

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Richard

Digitally signed by Richard
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SAIN ASSOCIATES, INC.
122 S. 1ST ST.
PULASKI, TN 38478

RICHARD HOLT, P.E. NO. 104329

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

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	ROADWAY-SIGN2
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
ESTIMATED ROADWAY QUANTITIES	2
PRESENT LAYOUT(S)	7

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

YEAR	PROJECT NO.	SHEET NO.
2026	STP/NH/HPP-28(32)	ROADWAY-SIGN2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Richard Holt

Digitally signed by Richard Holt
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SHEET NAME	SHEET NO.
SIGNATURE SHEETS	ROADWAY-SIGN1
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
STANDARD ROADWAY DRAWINGS	1A1
STANDARD STRUCTURE AND TRAFFIC DESIGN DRAWINGS	1A2
PROJECT COMMITMENTS	1B
ESTIMATED ROADWAY QUANTITIES	2, 2-1
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B, 2B1 – 2B4
GENERAL NOTES	2C, 2C1
SPECIAL NOTES	2D
ENVIRONMENTAL NOTES	2E
TABULATED QUANTITIES	2F, 2F1 – 2F4
RIGHT-OF-WAY NOTES, UTILITY NOTES, AND UTILITY OWNERS	3
PROPERTY MAP(S) AND RIGHT-OF-WAY ACQUISITION TABLE(S)	3A – 3G
PRESENT LAYOUT(S)	4 – 16
RIGHT-OF-WAY DETAILS	4A – 16A
PROPOSED LAYOUT(S)	4B – 16B
PROPOSED PROFILE(S)	4C – 16C
SIDE ROADS PROFILE(S)	17 – 23
PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILE(S)	24 – 34
DRAINAGE MAP(S)	35 – 38
CULVERT SECTION(S)	39 – 46
EROSION PREVENTION AND SEDIMENT CONTROL PLANS	47, 48-50M
SIGNING AND PAVEMENT MARKING PLAN(S)	51 - 63
SIGN SCHEDULE SHEET(S)	64 - 65
ROADWAY CROSS SECTIONS	66 - 173
SIDE ROAD CROSS SECTIONS	174 - 238
TRAFFIC CONTROL PLANS	T1 – T10P

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

YEAR	PROJECT NO.	SHEET NO.
2026	STP/NH/HPP-28(32)	ROADWAY-SIGN1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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Index Of Sheets
SEE SHEET 1A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

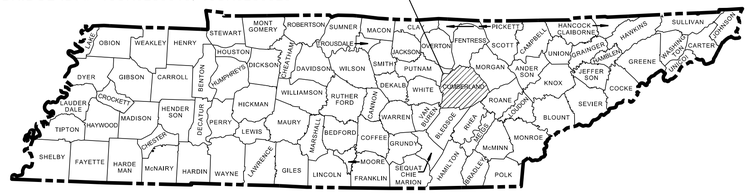
DOES THIS PROJECT QUALIFY FOR UTILITY CHAPTER 86	YES X	NO
WORK ZONE SIGNIFICANCE DETERMINATION		
SIGNIFICANT	YES	NO X
RAILROAD INVOLVEMENT	YES	NO X

TENN.	YEAR	SHEET NO.
	2026	1
FED. AID PROJ. NO.	STP/NH/HPP- 28(32)	
STATE PROJ. NO.	18008-3230-14	

CUMBERLAND COUNTY

SR-28 (US-127) FROM NEAR POTATO FARM ROAD
TO NEAR HOLLOW LANE (TMA) (EPD)

PROJECT LOCATION
1800-3226-14
BRIDGE ID. # 18SR0280015, 18SR0280020



N

NO EXCLUSIONS

PS&E
GRADE, DRAIN, BRIDGE, PAVE, SIGN, STRIPE

STATE HIGHWAY NO. 28 F.A.H.S. NO. 127

PIN 100260.03
18008-3230-14
END PROJECT NO. STP/NH/HPP-28(32) CONST.

P.L. ℄ S.R. 28 STA. 1431+00.00

N: 649475.7467 E: 2246176.8363

PIN 100260.03
18008-2226-14
END PROJECT NO. STP/NH/HPP-28(32) R.O.W.

P.L. ℄ S.R. 28 STA. 1431+03.64

N: 649478.8506 E: 2246178.7377

PIN 100260.03
18008-2226-14
BEGIN PROJECT NO. STP/NH/HPP-28(32) R.O.W.

P.L. ℄ S.R. 28 STA. 1286+53.01

N: 635551.9504 E: 2245093.2012

PIN 100260.03
18008-3230-14
BEGIN PROJECT NO. STP/NH/HPP-28(32) CONST.

P.L. ℄ S.R. 28 STA. 1282+00.00

N: 635100.2403 E: 2245126.0239



SCALE: 1"= 1 MILE

PIN 100260.04
18008-3229-14
BEGIN PROJECT NO. HPP/NH-28(37) CONST.

P.L. ℄ S.R. 28 STA. 431+07.40

N: 649494.5516 E: 2246146.1382

PIN 100260.04
18008-2227-14
BEGIN PROJECT NO. HPP/NH-28(37) R.O.W.

P.L. ℄ S.R. 28 STA. 428+42.14

N: 649268.3580 E: 2246007.5779

PIN 100260.01
18008-2221-14
END PROJECT NO. STP/NH-28(31) R.O.W.

P.L. ℄ S.R. 28 STA. 301+50.00

N: 636051.3087 E: 2245094.8085

PIN 100260.01
18008-3221-14
END PROJECT NO. STP/NH-28(31) CONST.

P.L. ℄ S.R. 28 STA. 298+45.00

N: 636738.6350 E: 2245060.6105

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
06.02.26
STATE OF TENNESSEE

APPROVED:
SHANE HESTER, CHIEF ENGINEER

DATE:

APPROVED:
WILL REID, COMMISSIONER

SPECIAL NOTES

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

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

TDOT TRANSPORTATION MANAGER 1 : CURT DUNCAN, P.E.

DESIGNED BY : SAIN ASSOCIATES, INC

DESIGNER : MARK RANDALL, P.E. CHECKED BY RICHARD R. HOLT, P.E.

P.E. NO. 18008-1218-14 (DESIGN)

PIN NO. 100260.03

R.O.W. LENGTH	2.736 MILES
ROADWAY LENGTH	2.715 MILES
BRIDGE LENGTH (NO. 18SR0280020)	0.031 MILES
BRIDGE LENGTH (NO. 18SR0280015)	0.075 MILES
PROJECT LENGTH	3.052 MILES

SURVEY 3-19-09	TRAFFIC DATA	
04-28-25 UPDATED	ADT (2026)	6,740
	ADT (2046)	7,390
	DHV (2046)	813
	D	65 - 35
	T (ADT)	5 %
	T (DHV)	3 %
	V	60 MPH

STATE PLANE COORDINATES ARE BASED ON GPS MEASUREMENTS OBTAINED 03-19-09 USING GEOID TGRN MODEL AND DATUM ADJUSTMENT FACTOR OF 1.00012

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	1A
PS&E	2026	STP/NH/HPP-28(32)	1A

PLAN-IN-HAND INDEX OF SHEETS

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	ROADWAY-SIGN1-2
TITLE SHEET	1
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STANDARD ROADWAY DRAWINGS	1A1
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SIDE ROAD CROSS SECTIONS	174 – 238
TRAFFIC CONTROL PLANS	T1 – T10P
BRIDGE PLANS	B1
GEOTECHNICAL PLANS	G1
STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PLANS	S-1
UTILITIES PLANS	U1–1

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

STANDARD ROADWAY DRAWINGS

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

DWG.	REV.	DESCRIPTION
RD-TP-1	09-26-16	STANDARD ROADWAY DRAWINGS TITLE SHEET
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
RD-L-2	02-20-20	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-5	07-30-24	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-7	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL

10-101.00 STANDARDS ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
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	06-28-19	DESIGN STANDARDS FOR LOW VOLUME LOCAL ROADS (ADT ≤ 400)
RD01-TS-3A	10-15-12	DESIGN STANDARDS FOR 4 AND 6 LANE ARTERIAL HIGHWAYS WITH DEPRESSED MEDIAN
RD01-S-11	04-04-03	DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD01-S-11A	10-15-12	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD11-SD-1		INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES
RD11-SD-2		INTERSECTION SIGHT DISTANCE LANDSCAPE AND OBSTRUCTION
RD11-SD-3		INTERSECTION SIGHT DISTANCE 2-LANE ROADWAYS
RD-UD-3	01-09-24	UNDERDRAIN DETAILS
RD-UD-4	06-28-19	UNDERDRAIN LATERAL DETAILS
RD-UD-6	06-28-19	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 1:1 & 2:1 SLOPES
RD-UD-7	06-28-19	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 3:1 & 4:1 SLOPES
RD-UD-8	06-28-19	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 5:1 SLOPES
RD-UD-9	06-28-19	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 6:1 SLOPES

10-102.00 AQUATIC ORGANISM PASSAGE (AOP) DESIGN, PIPE CULVERTS, AND ENDWALLS

DWG.	REV.	DESCRIPTION
D-FLU-2		BRIDGE END DRAIN FLUME DETAILS
D-FLU-2A		BRIDGE END DRAIN FLUME DETAILS
D-FLU-3	04-14-25	BRIDGE END DRAIN FLUME DETAILS
D-PB-1	03-01-23	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PO-1	06-28-19	STANDARD OVAL AND REINFORCED CONCRETE ARCH PIPE CULVERT
D-PE-18A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 18" PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-18B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 18" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-24A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 24" PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-24B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 24" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-30A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 30" PIPE WITH STEEL PIPE GRATE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-30B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 30" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-42A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 42" PIPE WITH STEEL PIPE GRATE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-42B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 42" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-99	03-04-21	TYPE "U" CROSS DRAIN ENDWALL DETAILS, PIPE GRATE & SKEWED CONNECTION
D-PEW-1		PROTECTED ENDWALLS FOR ROUND & OVAL PIPES (PIPE SIZES 18" TO 72", ALL SKEWS, 2:1 & 3:1 SLOPES)
D-PEW-2		PROTECTED ENDWALLS FOR ROUND PIPES DETAILS & QUANTITIES (PIPE SIZES 18" TO 72", ALL SKEWS, 2:1 & 3:1 SLOPES)
D-PEW-3		PROTECTED ENDWALLS FOR OVAL PIPES DETAILS & QUANTITIES (EQU. PIPE SIZES 18" TO 72", ALL SKEWS, 2:1 & 3:1 SLOPES)

10-104.00 CATCH BASINS AND MANHOLES

DWG.	REV.	DESCRIPTION
D-CB-99R	01-28-22	MISCELLANEOUS DETAILS FOR ROUND STRUCTURES
D-MH-2	02-20-20	STANDARD PRECAST NO. 3 MANHOLE
D-MH-3	02-20-20	TYPICAL DESIGN OF LIDS FOR NO. 3 MANHOLE
D-MH-4	02-20-20	STANDARD NO. 3 MANHOLE CASTINGS AND STEPS
D-MH-5	02-20-20	STANDARD 5' 2" X 5' 2" SQUARE CONCRETE NO. 3 MANHOLE
D-MH-6	02-20-20	STANDARD 7' X 7' SQUARE CONCRETE NO. 3 MANHOLE
D-MH-7	02-20-20	STANDARD 9' X 9' SQUARE CONCRETE NO. 3 MANHOLE
D-RMH-1		PRECAST MANHOLE STRUCTURES (48" THRU 120")
D-SDS-1	02-20-20	STANDARD 32" X 32" SQUARE CONCRETE NO. 1 SPRING DRAIN BOX
D-SDS-2A	02-20-20	STANDARD 4' X 4' SQUARE CONCRETE NO. 2A SPRING DRAIN BOX
D-RSB-1		PRECAST ROUND SPRING DRAIN BOX STRUCTURES (48" THRU 120")

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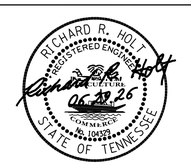

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	1A1
PS&E	2026	STP/NH/HPP-28(32)	1A1

10-106.00 ROADWAY, PAVEMENT APPURTENANCES, AND FENCES

RP-I-5	05-01-20	EXAMPLES OF STREET & ALLEY INTERSECTIONS
RP-R-1	04-21-25	STANDARD RAMP DETAILS FOR ROADWAYS AND DRIVEWAYS
S-F-1	03-01-23	HIGH VISIBILITY FENCE
S-F-10	07-17-20	STANDARD RIGHT-OF-WAY STOCK FENCE
S-F-10A	06-28-19	STANDARD RIGHT-OF-WAY STOCK FENCE WITH TIMBER POSTS
S-F-10C	06-28-19	RIGHT-OF-WAY FENCE AT BRIDGES AND BOX CULVERTS
S-FG-11	07-30-24	STOCK FENCE GATES AND CHAIN LINK FENCE CLOSURE
S-FG-20	06-28-19	EXAMPLES OF WATER GATES AND WATER CROSSINGS
S-RP-2	06-28-19	STANDARD CONCRETE RIGHT-OF-WAY MARKERS

10-108.00 SAFETY DESIGN AND GUARDRAILS

S-CZ-1	06-28-19	CLEAR ZONE CRITERIA
S-PL-1	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED
S-PL-1A	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED (FOR RIGID OBJECTS)
S-PL-3	03-01-23	SAFETY PLAN MINIMUM INSTALLATION AT BRIDGE ENDS
S-PL-6	07-30-24	SAFETY PLAN SAFETY HARDWARE PLACEMENT ON OUTSIDE EDGE
S-PL-7		SAFETY PLAN HARDWARE PLACEMENT AT INTERSECTIONS
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-GR1-1D	03-01-23	GUARDRAIL POST PLACEMENT IN ROCK
S-GRC-4	10-31-25	GUARDRAIL CONNECTION TO BRIDGE RAILING CONCRETE PARAPET
S-GRC-5	10-31-25	GUARDRAIL CONNECTION TO BRIDGE ENDS (TRAILING ENDS)
S-GRT-2	06-28-19	TYPE 38 GUARDRAIL END TERMINAL
S-GRT-2P	10-16-20	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINAL
S-GRA-3	01-09-24	TYPE 13 GUARDRAIL ANCHOR
S-GRA-4	03-01-23	IN-LINE GUARDRAIL ANCHOR TO PRIVATE DRIVE
S-GRA-5	06-28-19	FLARED GUARDRAIL ANCHOR

10-109.00 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-34	05-04-22	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION
EC-STR-6	11-30-20	ROCK CHECK DAM
EC-STR-6A	05-06-16	ENHANCED ROCK CHECK DAM
EC-STR-7	05-04-22	SEDIMENT TRAP WITH CHECK DAM
EC-STR-55	08-01-12	GABION CHECK DAM
EC-STR-56	04-01-08	GABION CHECK DAM DESIGN TABLES
EC-STR-57	04-01-08	GABION ASSEMBLY DETAILS
EC-STR-58	04-01-08	GABION ASSEMBLY DETAILS
EC-STR-59	08-01-12	GABION CHECK DAM GENERAL NOTES AND COMPONENT PROPERTIES
EC-STR-11	03-16-17	CULVERT PROTECTION TYPE 1
EC-STR-11A	08-01-12	CULVERT PROTECTION TYPE 2
EC-STR-25	08-01-12	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
EC-STR-31	05-04-22	TEMPORARY DIVERSION CHANNEL
EC-STR-32	08-01-12	TEMPORARY DIVERSION CULVERTS

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
04.01.26
COMMERCE
INJONES
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD ROADWAY DRAWINGS

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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-13	07-30-25	I-BEAM BREAK-AWAY LARGE SIGN SUPPORT DETAILS
T-S-14	07-30-25	WF-BEAM BREAK-AWAY LARGE SIGN SUPPORT DETAILS
T-S-15	07-30-25	STANDARD CONDUIT & GROUND DETAILS FOR OVERHEAD & CANTILEVER SIGN STRUCTURES
T-S-16	07-30-25	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-16A	07-02-15	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-17	07-30-25	STANDARD GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-18	07-30-25	END OF ROADWAY, DEAD END SIGNS, AND METAL BARRICADES (TYPE III)
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
10-204.00 DESIGN - TRAFFIC CONTROL		
T-M-1	01-24-25	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	01-24-25	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-4	01-24-25	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-15	01-24-25	ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR INTERSTATE AND ACCESS CONTROLLED ROUTES
T-M-16	01-24-25	RUMBLE STRIPE INSTALLATION LAYOUT
T-M-16A	01-24-25	RUMBLE STRIPE DETAILS FOR EDGE OF PAVEMENT AND CENTERLINE
T-WZ-10	03-26-25	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
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

STANDARD STRUCTURE DRAWINGS

DWG.	REV.	DESCRIPTION
10-300.00 NEW STRUCTURES		
STD-1-1SS	07-09-25	BRIDGE RAILING CONCRETE PARAPET
STD-1-2SS	05-31-24	STEEL SLIDER PLATE ASSEMBLIES FOR SINGLE SLOPE CONCRETE PARAPET AND BRIDGE DECK DRAIN DETAILS
STD-1-5	06-05-23	REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS
STD-1-6	05-10-21	BRIDGE END DRAIN DETAILS 2' X 8'-7" & 4' X 8'-7" WITH PAVEMENT AT BRIDGE ENDS
STD-1-7	05-10-21	BRIDGE END DRAIN DETAILS 2' X 8'-7" & 4' X 8'-7" WITH PAVEMENT AT BRIDGE ENDS
STD-1-8	05-10-21	BRIDGE END DRAIN DETAILS 2' X 8'-7" WITH PAVEMENT AT BRIDGE ENDS
STD-4-1	04-08-05	STANDARD PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS
STD-4-2	04-08-05	STANDARD PRECAST PRESTRESSED BRIDGE DECK PANELS DESIGN CRITERIA
STD-4-3	03-02-02	STANDARD PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS
STD-4-4	06-10-96	STANDARD PRECAST PRESTRESSED BRIDGE DECK PANELS CONSTRUCTION DETAILS
STD-5-1		STANDARD PILE DETAILS
STD-6-1	12-08-23	STANDARD SEISMIC DETAILS
STD-8-6	10-03-18	TRI-STAR STATE EMBLEM FINISH DETAILS
STD-9-1	10-07-08	STANDARD REINFORCING BAR SUPPORT DETAILS FOR CONCRETE SLABS
STD-10-1	06-05-23	MISCELLANEOUS ABUTMENT AND DRAINAGE DETAILS
STD-10-2	06-05-23	MISC. ABUTMENT & PAVEMENT AT BRIDGE ENDS BACKFILL DETAILS
STD-10-3	01-10-24	MISC. ABUTMENT & PAVEMENT AT BRIDGE ENDS DITCH DETAILS
STD-14-1	06-05-23	STANDARD DETAILS AND INTERMEDIATE DIAPHRAGM DETAILS FOR BULB-TEE BEAMS
10-301.00 LRFD BOX CULVERTS		
STD-17-1		INDEX OF DRAWINGS
STD-17-2		TERMINOLOGY OF DRAWINGS
STD-17-3		GENERAL NOTES
STD-17-4		DESIGN SECTION LIMITS
STD-17-5		TYPICAL SECTIONS AND DETAILS
STD-17-6		TYPICAL ELEVATION
STD-17-7		CURB, RAIL & EDGE BEAM DETAILS - SKEW NOT LESS THAN 45 DEG.
STD-17-8		EDGE BEAM DETAILS FOR FILLS GREATER THAN 3' - 6"
STD-17-9		INTERIOR WALL END TREATMENTS
STD-17-10		TYPICAL WINGWALL DETAILS AND NOTES
STD-17-11		WINGWALL DIMENSIONS AND QUANTITIES
STD-17-12		WINGWALL DIMENSIONS AND QUANTITIES
STD-17-13		WINGWALL DIMENSIONS AND QUANTITIES
STD-17-14		WINGWALL DIMENSIONS AND QUANTITIES
STD-17-15		WINGWALL AND SPECIAL RETAINING WALL DESIGN SECTIONS
STD-17-16		WINGWALL DESIGN SECTIONS
STD-17-17	06-01-11	BACKFILL AND DRAINAGE DETAILS
STD-17-18		BACKFILL DETAILS
STD-17-20		LOW FLOW CHANNEL CONSTRUCTION DETAILS FOR CULVERT INLET AND OUTLET
STD-17-24		WARPED SLOPE DETAIL
STD-17-25		STAGE CONSTRUCTION JOINT DETAIL (FILL ABOVE TOP OF SLAB NOT GREATER THAN 3'-6")
STD-17-29		PRECAST BOX CULVERT DETAILS
STD-17-51	05-01-14	BOX BRIDGE, 1 BARREL AT 6', CLEAR HTS. 3' - 6', 0 - 60' FILL
STD-17-52		BOX BRIDGE, 1 BARREL AT 8', CLEAR HTS. 3' - 5', 0 - 60' FILL

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	1A2
PS&E	2026	STP/NH/HPP-28(32)	1A2

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD TRAFFIC OPERATIONS & STRUCTURE DRAWINGS

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	1B
PIH	2026	STP/NH/HPP-28(32)	1B
PS&E	2026	STP/NH/HPP-28(32)	1B

PROJECT COMMITMENTS

COMMITMENT ID	SOURCE DIVISON	DESCRIPTION	STATION / LOCATION
EDEC001	ENVIRONMENTAL DIVISION, ECOLOGY	TDOT COMMITS TO PERFORM ALL TREE CLEARING DURING THE WINTER SEASON BETWEEN OCTOBER 1ST THROUGH MARCH 31ST.	ENTIRE PROJECT
EDHZ001	ENVIRONMENTAL DIVISION, HAZARDOUS MATERIALS	GROUNDWATER SUPPLY WELLS HAVE BEEN ENCOUNTERED IN OTHER SECTIONS OF THIS PROJECT; THEREFORE, ALL GROUNDWATER SUPPLY WELLS WITHIN THE CONSTRUCTION ZONE OR WITHIN A TRACT WITH RIGHT OF WAY ACQUISITION MUST BE INVENTORIED AND PROPERLY ABANDONED ACCORDING TO TDEC DWR WATER WELL STANDARDS CHAPTER 0400-45-09-.16 WELL ABANDONMENT.	PROJECT CORRIDOR
EDML001	ENVIRONMENTAL DIVISION, HAZARDOUS MATERIALS	AN ASBESTOS CONTAINING MATERIAL (ACM) SURVEY WAS CONDUCTED ON BRIDGE NO. 18SR0280015, SR-28 OVER LICK FORK CREEK, LM 25.44 (18-SR028-25.44). NO ACM WAS DETECTED. NO SPECIAL ACCOMMODATIONS FOR DEMOLITION AND WASTE DISPOSAL ARE ANTICIPATED FOR THESE STRUCTURES AND THE MATERIAL CAN BE DEPOSITED IN A C&D LANDFILL. 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).	BRIDGE
EDPL001	ENVIRONMENTAL DIVISION, PLANNING	THE OBED WILD AND SCENIC RIVER IS LOCATED DOWNSTREAM OF THE PROJECT CORRIDOR. TDOT WILL COORDINATE WITH THE NATIONAL PARK SERVICE TO ACQUIRE A SECTION 7(A) DETERMINATION AS REQUIRED BY THE WILD AND SCENIC RIVER ACT PRIOR TO CONSTRUCTION.	ENTIRE PROJECT

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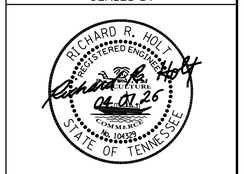

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROJECT
COMMITMENTS

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	2
PS&E	2026	STP/NH/HPP-28(32)	2

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 18008-3230-14
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	0.6
	108-03	CPM SCHEDULE	LS	0.6
	201-01	CLEARING AND GRUBBING	LS	0.6
(1)	202-01	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	0.6
	202-03	REMOVAL OF RIGID PAVEMENT, SIDEWALK, ETC.	S.Y.	100
	202-03.01	REMOVAL OF ASPHALT PAVEMENT	S.Y.	28717
(2) (3)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	639845
(2) (4) (5) 6)	203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	49596
	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	30414
(2) (4) (5) (7)	203-05	UNDERCUTTING	C.Y.	14979
	203-06	WATER	M.G.	936
	203-07	FURNISHING & SPREADING TOPSOIL	C.Y.	11705
	203-08	CHANNEL EXCAVATION (UNCLASSIFIED)	C.Y.	1637
(8)	203-20.01	CHANNEL SUBSTRATE	C.Y.	213
(9) (10)	203-50	CONSTRUCTION OF HAUL ROAD	LS	1
	204-08	FOUNDATION FILL MATERIAL	C.Y.	233
(1) (2)	209-02.07	18" TEMPORARY SLOPE DRAIN	L.F.	600
(4) (11)	209-03.23	FILTER SOCK (24 INCH)	L.F.	180
(4) (11)	209-05	SEDIMENT REMOVAL	C.Y.	3020
(4) (11)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	122355
(4) (11)	209-08.07	ROCK CHECK DAM	EACH	671
(4) (11)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	107
(4) (11)	209-09.01	SANDBAGS	BAG	2000
(4) (11)	209-09.03	SEDIMENT FILTER BAG (15' X 15')	EACH	10
(4) (11)	209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.	400
(4) (11)	209-65.03	TEMPORARY DIVERSION CHANNEL	L.F.	1690
(12)	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	120692
	303-01.01	GRANULAR BACKFILL (ROADWAY)	TON	3227
(4) (11) (13)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	885
	307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	3997
	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	4136
	307-01.21	ASP. CONC. MIX(PG70-22) (BPMB-HM) GR. A-S	TON	6750
	307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	7156
	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	4737
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	65
(4)	407-20.05	SAW CUTTING ASPHALT PAVEMENT	L.F.	1150
	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER	TON	2373
	411-01.10	ACS MIX(PG64-22) GRADING D	TON	2362
	411-02.10	ACS MIX(PG70-22) GRADING D	TON	4604
	411-12.02	SCORING SHOULDERS (NON-CONTINUOUS) (16IN WIDTH)	L.M.	6
	411-12.05	SCORING FOR CENTERLINE RUMBLE (4IN WIDTH-24IN SPACING)	L.M.	3
	604-01.01	CLASS A CONCRETE (ROADWAY)	C.Y.	638
	604-01.02	STEEL BAR REINFORCEMENT (ROADWAY)	LB.	145380
(14)	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	160
(14)	607-05.02	24" CONCRETE PIPE CULVERT (CLASS III)	L.F.	210
(14)	607-05.03	24" CONCRETE PIPE CULVERT (CLASS IV)	L.F.	100
(14)	607-06.02	30" CONCRETE PIPE CULVERT (CLASS III)	L.F.	161
(14)	607-07.02	36" CONCRETE PIPE CULVERT (CLASS III)	L.F.	112
(14)	607-08.02	42" CONCRETE PIPE CULVERT (CLASS III)	L.F.	180
(14)	607-39.02	18" PIPE CULVERT (SIDE DRAIN)	L.F.	980
(14)	607-39.03	24" PIPE CULVERT (SIDE DRAIN)	L.F.	306
(14)	607-39.04	30" PIPE CULVERT (SIDE DRAIN)	L.F.	169
(14)	607-39.05	36" PIPE CULVERT (SIDE DRAIN)	L.F.	75
(14)	607-57.01	REINFORCED CONCRETE PIPE ARCH (22" X 13")	L.F.	43
(14)	607-57.02	REINFORCED CONCRETE PIPE ARCH (29" X 18")	L.F.	16
(14)	607-57.09	REINFORCED CONCRETE PIPE ARCH (18" X 11")	L.F.	45
	611-01.04	MANHOLES, > 12' - 16' DEPTH	EACH	1
	611-02.02	SPRING DRAIN BOX, TYPE 2A	EACH	1
	611-07.31	18IN ENDWALL (SIDE DRAIN)	EACH	88
(23)	611-07.32	24IN ENDWALL (SIDE DRAIN)	EACH	38
	611-07.33	30IN ENDWALL (SIDE DRAIN)	EACH	12

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 18008-3230-14
	611-07.34	36IN ENDWALL (SIDE DRAIN)	EACH	4
	611-07.54	18IN ENDWALL (CROSS DRAIN) 3:1	EACH	4
	611-07.57	24IN ENDWALL (CROSS DRAIN) 3:1	EACH	5
	611-07.58	24IN ENDWALL (CROSS DRAIN) 4:1	EACH	4
	611-07.60	30IN ENDWALL (CROSS DRAIN) 3:1	EACH	1
	611-07.61	30IN ENDWALL (CROSS DRAIN) 4:1	EACH	1
	611-07.66	42IN ENDWALL (CROSS DRAIN) 3:1	EACH	2
	611-07.68	42IN ENDWALL (CROSS DRAIN) 6:1	EACH	2
(4) (15)	621-03.02	18" TEMPORARY DRAINAGE PIPE	L.F.	72
(4) (16)	621-03.03	24" TEMPORARY DRAINAGE PIPE	L.F.	20
(4)	621-03.05	36" TEMPORARY DRAINAGE PIPE	L.F.	146
(1) (2)	621-03.06	42" TEMPORARY DRAINAGE PIPE	L.F.	460
	705-04.09	EARTH PAD FOR TYPE 38 GR END TREATMENT	EACH	16
	705-04.50	PORTABLE BARRIER RAIL DELINEATOR	EACH	1258
	705-06.01	W BEAM GR (TYPE 2) MASH TL3	L.F.	3125
	705-06.10	GR TERMINAL TRAILING END (TYPE 13) MASH TL3	EACH	8
	705-06.11	GR TERMINAL (IN-INLINE) MASH TL3	EACH	8
	705-06.20	TANGENT ENERGY ABSORBING TERM MASH TL-3	EACH	16
	705-06.25	THRIE BEAM BRIDGE TRANSITION MASH TL-3	EACH	8
	706-06.03	RADIUS RAIL	L.F.	225
	706-10.26	ROUNDED END ELEMENT	EACH	8
	707-03.01	STOCK FENCE	L.F.	22570
	707-03.02	END, BRACED LINE, CORNER POST ASSEMBLY(STOCK FENCE)	EACH	223
	707-03.20	DRIVE GATE (STOCK FENCE) (DRIVEWAY ACCESS)	EACH	3
	707-04	WATER CROSSING	L.F.	360
	707-05	WATER GATE	S.F.	525
	707-06.05	REMOVAL OF FENCE (CHAIN LINK, WOODEN, AND WOVEN WIRE)	LS	1
(4)(11)	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	18174
	708-02.01	MARKERS (CONCRETE R.O.W. POSTS)	EACH	141
(17)	709-01.01	RUBBLE STONE RIP-RAP	C.Y.	3
(4) (11) (18)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	531
(4) (11) (19)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	12225
(4) (20)	709-05.08	MACHINED RIP-RAP (CLASS B)	TON	5585
(4) (21)	709-05.09	MACHINED RIP-RAP (CLASS C)	TON	3680
	709-10.01	GABIONS (DITCH LINING)	C.Y.	1939
	710-02	AGGREGATE UNDERDRAINS (WITH PIPE)	L.F.	24792
	710-05	LATERAL UNDERDRAIN	L.F.	3910
	710-06.12	LATERAL UNDERDRAIN ENDWALL (3:1)	EACH	6
	710-06.13	LATERAL UNDERDRAIN ENDWALL (4:1)	EACH	17
	710-06.15	LATERAL UNDERDRAIN ENDWALL (6:1)	EACH	101
	712-01	TRAFFIC CONTROL	LS	0.6
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	9930
(22)	712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH	14
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	274
	712-04.50	BARRIER RAIL DELINEATOR	EACH	500
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	64
	712-06	SIGNS (CONSTRUCTION)	S.F.	623
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	360
	712-09.02	REMOVABLE PAVEMENT MARKING (8" BARRIER LINE)	L.F.	12875
	713-01.01	CLASS A CONCRETE (FOUNDATION FOR SIGN SUPPORTS)	C.Y.	8
	713-01.02	STEEL BAR REINFORCEMENT(FOUNDATION FOR SIGN SUPPORTS)	LB.	1569
	713-02.04	DELINEATOR (MILE MARKER) & STEEL POST	EACH	6
	713-02.21	SIGN POST DELINEATION ENHANCEMENT	L.F.	366
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	3601
	713-11.21	P POST SLIP BASE	EACH	45
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	510
	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	0.6
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	4
	716-01.07	TEMPORARY RAISED PAVEMENT MARKER,YELLOW	EACH	170
	716-01.21	SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH	380
	716-01.22	SNOWPLOWABLE RAISED PAVMENT MARKERS (MONO-DIR)(1 COLOR)	EACH	18

SEE SHEET 2-1 FOR FOOTNOTES

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RICHARD R. HOLT REGISTERED ENGINEER 06.30.26 COMMERCE No. 104329 STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	2-1
PS&E	2026	STP/NH/HPP-28(32)	2-1

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 18008-3230-14
(24)	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	120
(24)	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	455
(24)	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	3
(24)	716-02.08	PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.	720
(24)	716-02.12	PLASTIC PAVEMENT MARKING (8IN LINE)	L.M.	1
(25)	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	15
	716-08.20	REMOVAL OF PAVEMENT MARKING (LINE)	L.M.	1
	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	13
	717-01	MOBILIZATION	LS	0.6
(4) (11) (26)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	16844
(5) (27)	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	53742
	801-01	SEEDING (WITH MULCH)	UNIT	1574
(28)	801-01.02	CROWN VETCH MIXTURE (WITH MULCH)	UNIT	333
(4) (11) (29)	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	685
(30)	801-01.36	SPECIAL WETLAND SEED MIXTURE	UNIT	16
(30)	801-01.38	NATVE SEED MX FINAL STABLIZATN OF SLOPES	UNIT	311
	801-03	WATER (SEEDING & SODDING)	M.G.	800
	803-01	SODDING (NEW SOD)	S.Y.	50647
	805-01.01	TURF REINFORCEMENT MAT (CLASS I)	S.Y.	20222
(4) (11)	805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.	65598
(31)	806-02.03	PROJECT MOWING	CYCL	6

FOOTNOTES

(1) PRICE INCLUDES ALL SALVAGE VALUE OF MATERIAL. INCLUDES REMOVAL OF PIPES AND ANY ADDITIONAL STRUCTURES OR DEBRIS AS DIRECTED BY THE ENGINEER. SEE TABULATED QUANTITIES SHEET NO. 2F REMOVAL OF STRUCTURES, BUILDINGS AND OBSTRUCTIONS.

(2) SEE GRADING SPECIAL NOTES ON SHEET 2F.

(3) INCLUDES 906 CY FOR EROSION AND SEDIMENT CONTROL

(4) TO BE USED AS DIRECTED BY THE ENGINEER

(5) SEE GEOTECHNICAL PLAN SHEETS FOR MORE INFORMATION

(6) 38,167 TONS TO BE USED PER GEOTECHNICAL SHEET G2
11,429 TONS TO BE USED IN WETLAND FILLS

(7) INCLUDES 9,994 CY FOR UNDERCUT AREAS PER GEOTECHNICAL SHEET G2 & 4,985 CY FOR PONDS AND WETLANDS.

(8) QUANTITY FOR BACKFILL MATERIAL PROPOSED FOR EMBEDDED CULVERTS

(9) ITEM NUMBER 203-50 SHALL INCLUDE GEOTEXTILE (TYPE IV), BORROW EXCAVATION (GRADED SOLID ROCK) OR MACHINED RIP-RAP (CLASS A-1, CLASS B, OR CLASS C), MINERAL AGGREGATE (SIZE 57), AND TEMPORARY DRAINAGE PIPE. THE MINERAL AGGREGATE INCLUDES AN ADDITIONAL TEN (10) PERCENT FOR MAINTENANCE.

(10) PRICE INCLUDES REMOVAL OF HAUL ROADS

(11) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE AND REPLACEMENT

(12) INCLUDES 5,912 TONS TO BE USED IN DRIVEWAYS

(13) INCLUDES 885 TONS TO BE USED FOR TEMPORARY EROSION CONTROL

(14) BEDDING MATERIAL SHALL BE INCLUDED IN THE COST OF THE PROPOSED PIPE CULVERT. SEE STANDARD DRAWING NO D-PB-1 AND D-PB-2 FOR ADDITIONAL DETAILS.

(15) 51 LF TO BE USED FOR TEMPORARY EROSION CONTROL
21 LF TO BE USED FOR TRAFFIC CONTROL

(16) TO BE USED FOR TRAFFIC CONTROL

FOOTNOTES

(17) STANDARD DRAWING STD-1-7 (OR STD-1-11) IS TO BE USED FOR BURIAL OF THE OUTLET PIPE AND FOR END TREATMENT DETAILS.

(18) 350 TONS TO BE USED FOR TEMPORARY EROSION CONTROL
181 TONS TO BE USED ON BRIDGE SLOPES AS FOLLOWS:
NO BUSINESS CREEK BRIDGE: 82 TONS
LICKFORK CREEK BRIDGE: 99 TONS

(19) 6,048 TONS TO BE USED FOR TEMPORARY EROSION CONTROL
407 TONS TO BE USED IN RELOCATED CHANNELS
5,681 TONS TO BE USED IN DITCHES
89 TONS TO BE USED IN DRAINAGE OUTLET PROTECTION

(20) 4,727 TONS TO BE USED IN RELOCATED CHANNELS
217 TONS TO BE USED IN DITCHES
254 TONS TO BE USED IN DRAINAGE OUTLET PROTECTION
387 TONS TO BE USED FOR TEMPORARY EROSION CONTROL

(21) 2,179 TONS TO BE USED IN DITCHES
40 TONS TO BE USED IN RELOCATED CHANNELS
253 TONS TO BE USED IN DRAINAGE OUTLET PROTECTION
1086 TONS TO BE USED FOR TEMPORARY EROSION CONTROL
122 TONS TO BE USED FOR TEMPORARY TRAFFIC CONTROL

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

(23) TO BE USED FOR TEMPORARY TRAFFIC CONTROL

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

(25) 11 MILES TO BE USED FOR TEMPORARY TRAFFIC CONTROL

(26) 14,891 SY TO BE USED FOR TEMPORARY EROSION CONTROL
1,953 SY TO BE USED IN DITCHES

(27) 38,786 SY TO BE USED ROADWAY STABILIZATION
14,956 SY TO BE USED IN POND AND WETLAND FILLS

(28) ITEM NO. 801-01.02, CROWN VETCH MIXTURE (WITH MULCH) SHALL BE USED ON USED ON SLOPES 3H:1V OR STEEPER AND OTHER AREAS, AS DIRECTED BY THE ENGINEER. CROWN VETCH MIXTURE MAY NOT BE USED WITHIN AREAS AUTHORIZED FOR TEMPORARY AND PERMANENT IMPACTS TO STREAMS AND REPARIAN AREAS, INCLUDING ADJACENT BUFFER ZONES WITHIN 60 FT OF THE EDGE OF WATER. REFER TO ITEM NO. 801-01.38 FOR ALLOWABLE SPECIES WITHIN THESE AREAS.

(29) THE COST OF FERTILIZER AND LIME USED IN INITIAL SEED BED PREPARATION IS TO BE INCLUDED IN THE COST OF SEEDING.

(30) PERMANENT STABILIZATION WITH NATIVE OR NATURALIZED PERENNIAL VEGETATION IS REQUIRED IN ALL AREAS AUTHORIZED FOR TEMPORARY AND PERMANENT IMPACTS TO STREAMS AND RIPARIAN AREAS, INCLUDING ADJACENT BUFFER ZONES WITHIN 60 FT OF THE EDGE OF WATER. THE APPROPRIATE SEED MIXTURE FOR THE REGION AND SITE CONDITIONS SHALL BE SELECTED FROM TABLE 7.9-1 (PREFERRED SEED MIXES USING NATIVES OR NATURALIZED PLANTS AND PLANTING DATES) FOUND IN CHAPTER 7.9 (PERMANENT VEGETATION) OF THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK 4TH EDITION

(31) 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

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DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

5/20/2026
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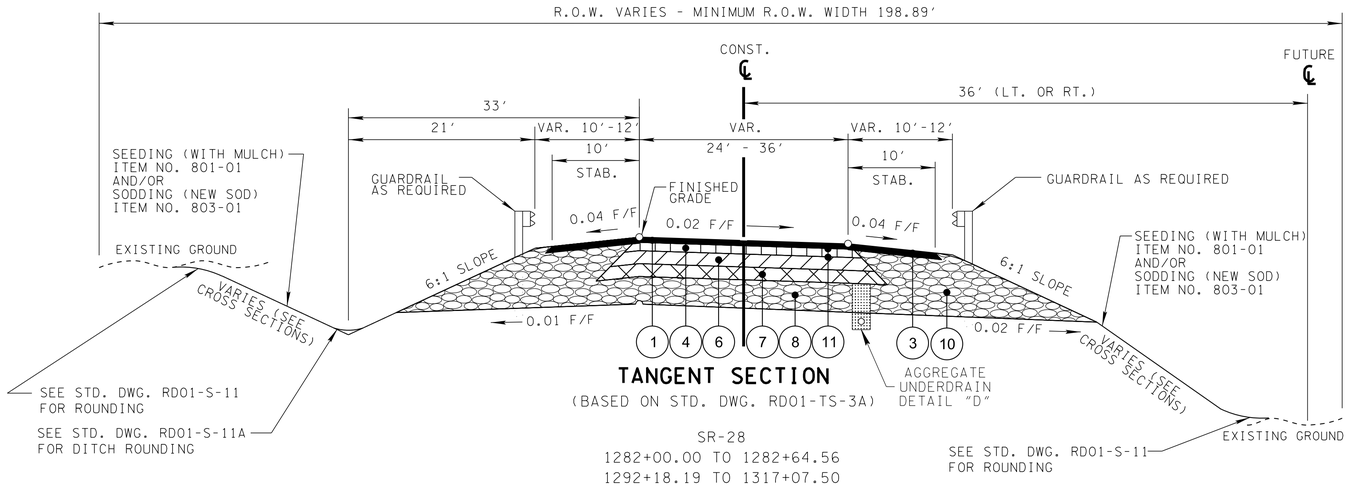
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP- 28(32)	2
PIH	2026	STP/NH/HPP- 28(32)	2B
PS&E	2026	STP/NH/HPP- 28(32)	2B



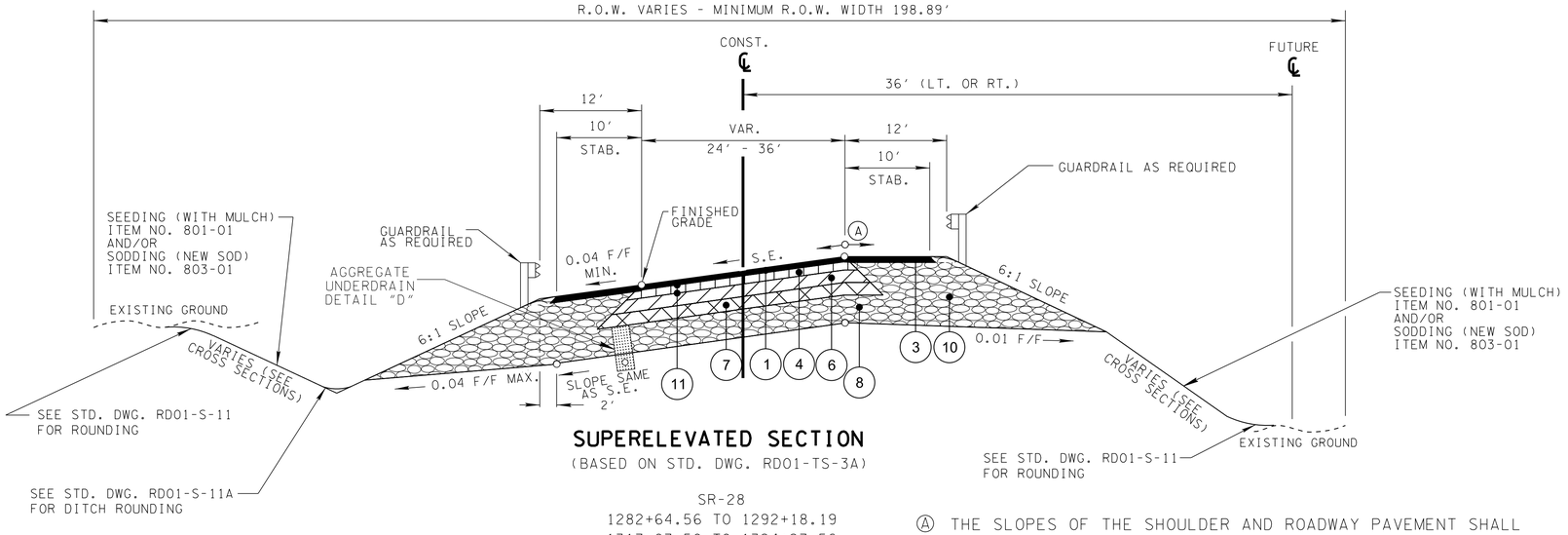
TANGENT SECTION

(BASED ON STD. DWG. RD01-TS-3A)

SR-28

1282+00.00 TO 1282+64.56
1292+18.19 TO 1317+07.50
1324+27.56 TO 1337+20.50
1347+15.85 TO 1352+15.85
1357+12.48 TO 1357+42.52
1362+39.16 TO 1368+63.84
1379+62.14 TO 1382+80.41
1409+61.67 TO 1431+00.00

TRANSITIONS TABLE								
LOCATION	STATION		SIDE		OFFSET FT.		TYPE	
	FROM	TO	LT	RT	FROM	TO	SHLDR.	PVMT.
SR 28	1282+00.00	1283+00.00	X		28.00	28.33	X	
SR 28	1282+00.00	1285+60.00	X		18.00	12.00		X
SR 28	1282+00.00	1283+00.00		X	28.00	28.33	X	
SR 28	1282+00.00	1285+60.00		X	18.00	12.00		X
SR 28	1321+90.00	1327+90.00	X		12.00	18.00		X
SR 28	1321+90.00	1325+50.00		X	12.00	18.00		X
SR 28	1331+14.00	1337+14.00		X	18.00	12.00		X
SR 28	1331+54.00	1337+14.00	X		18.00	12.00		X
SR 28	1348+17.00	1351+77.00		X	12.00	18.00		X
SR 28	1348+17.00	1354+17.00	X		12.00	18.00		X
SR 28	1356+44.00	1360+04.00	X		18.00	12.00		X
SR 28	1356+44.00	1360+04.00		X	18.00	12.00		X



SUPERELEVATED SECTION

(BASED ON STD. DWG. RD01-TS-3A)

SR-28

1282+64.56 TO 1292+18.19
1317+07.50 TO 1324+27.56
1337+20.50 TO 1347+15.85
1352+15.85 TO 1357+12.48
1357+42.52 TO 1362+39.16
1368+63.84 TO 1379+62.14
1382+80.41 TO 1409+61.67

Ⓐ THE SLOPES OF THE SHOULDER AND ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 0.07 FT/FT.

NOTE: SEE SHEET 2B4 FOR PAVEMENT SCHEDULE

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RICHARD R. HOLT REGISTERED ENGINEER 05.20.26 STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

TYPICAL SECTIONS

IB-17-03, IB-17-05 & IB-17-07

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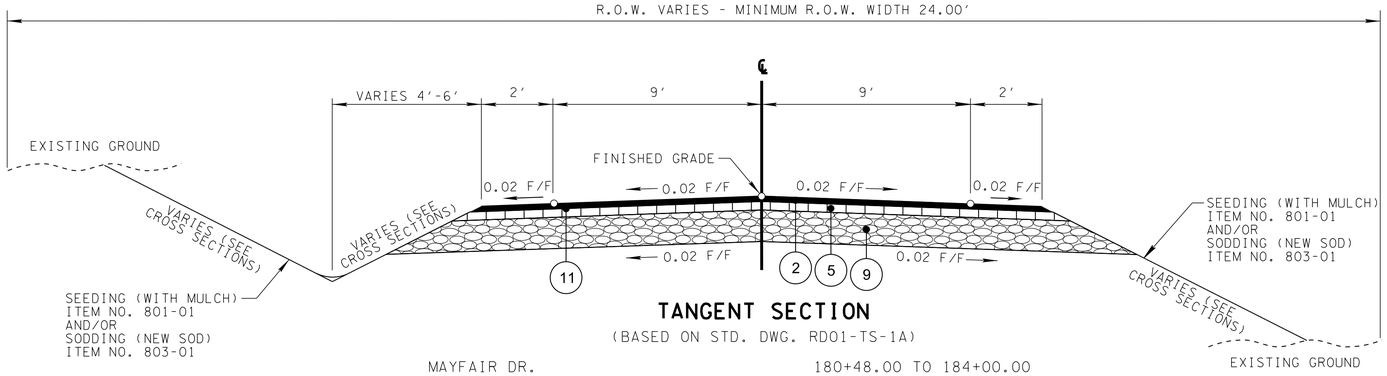
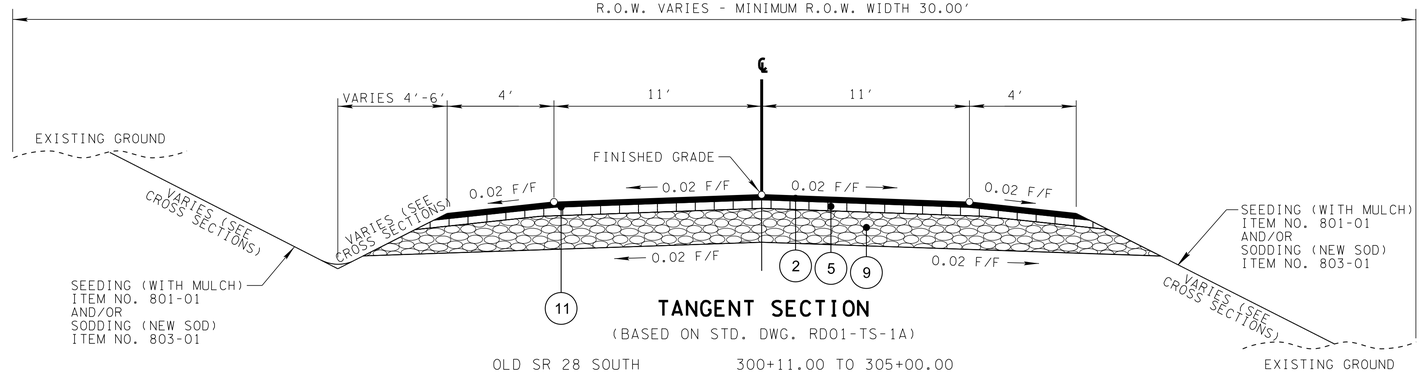
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP- 28(32)	2A
PIH	2026	STP/NH/HPP- 28(32)	2B1
PS&E	2026	STP/NH/HPP- 28(32)	2B1



TANGENT SECTION

(BASED ON STD. DWG. RD01-TS-1A)

MAYFAIR DR.	180+48.00 TO 184+00.00
BYERS LN.	211+00.00 TO 215+75.10
LELAND PRYOR RD.	260+16.95 TO 265+44.01
CONLEY RD.	290+48.03 TO 292+50.00
HOLLOW LN.	310+48.00 TO 313+45.74
OLD SR 28 EAST	330+12.00 TO 331+80.00



TANGENT SECTION

(BASED ON STD. DWG. RD01-TS-1A)

OLD SR 28 SOUTH	300+11.00 TO 305+00.00
OLD SR 28 WEST	320+15.08 TO 324+74.73
GOSS	240+18.00 TO 245+95.00

TRANSITIONS TABLE

LOCATION	STATION		SIDE		OFFSET (FT.)		TYPE	
	FROM	TO	LT	RT	FROM	TO	SHLDR.	PVMT.
HOLLOW	313+15.74	313+45.74		X	9.00	5.65		X
HOLLOW	313+15.24	313+45.74	X		9.00	5.95		X
OLD S.R. 28 EAST	331+40.00	331+80.00	X		8.16	5.33		X
OLD S.R. 28 EAST	331+40.00	331+80.00		X	9.00	5.30		X
OLD S.R. 28 WEST	320+15.08	320+40.08		X	10.44	11.00		X
OLD S.R. 28 WEST	320+15.08	320+40.08	X		10.20	11.00		X
CONLEY	291+95.00	292+50.00		X	9.00	4.06		X
CONLEY	291+95.00	292+50.00	X		9.00	4.72		X
PRYOR	260+16.95	260+41.95		X	7.15	9.00		X
PRYOR	260+16.95	260+41.95	X		7.11	9.00		X
GOSS	245+55.00	245+95.00		X	11.00	7.43		X
GOSS	245+55.00	245+95.00	X		11.00	7.39		X
OLD S.R. 28 SOUTH	304+75.00	305+00.00	X		15.00	13.45	X	
OLD S.R. 28 SOUTH	304+75.00	305+00.00		X	15.00	14.60	X	
BYERS	211+00.00	211+85.00		X	4.90	9.00		X
BYERS	211+00.00	211+85.00	X		4.91	9.00		X
MAYFAIR	183+70.00	184+00.00		X	9.00	4.66		X
MAYFAIR	183+70.00	184+00.00	X		9.00	4.66		X

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DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

NOTE: SEE SHEET 2B4 FOR PAVEMENT SCHEDULE

5/20/2026
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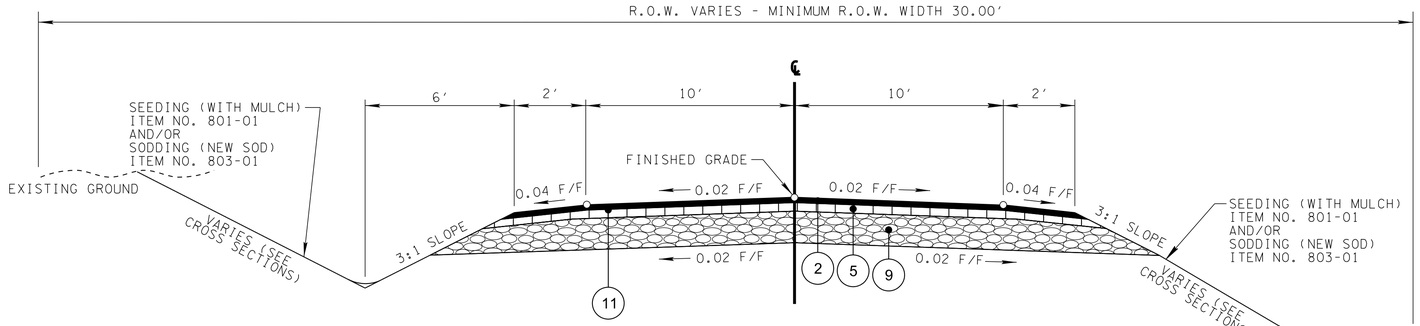
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP- 28(32)	2B
PIH	2026	STP/NH/HPP- 28(32)	2B2
PS&E	2026	STP/NH/HPP- 28(32)	2B2

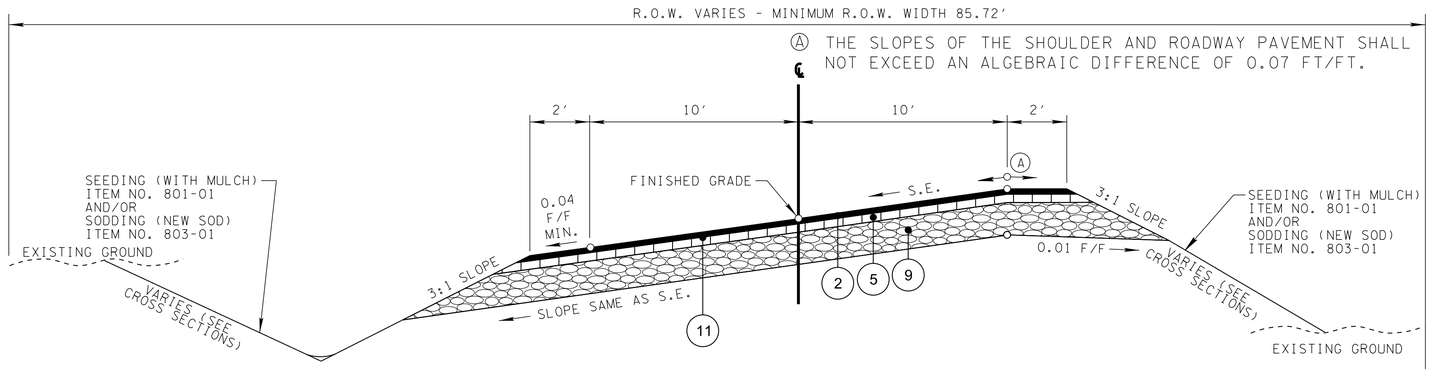


TANGENT SECTION

(BASED ON STD. DWG. RD01-TS-1)

RECTOR RD. 231+65.00 TO 233+45.78
CLEAR CREEK RD. 275+52.65 TO 278+66.79

TRANSITIONS TABLE								
LOCATION	STATION		SIDE		OFFSET		TYPE	
	FROM	TO	LT	RT	FROM	TO	SH.LDR.	PVMT.
RECTOR	231+65.00	231+90.00		X	8.12	10.00		X
RECTOR	231+65.00	231+90.00	X		8.12	10.00		X
CLEARCREEK	275+77.65	275+52.65		X	10.00	9.49		X
CLEARCREEK	275+77.65	275+52.65	X		10.00	9.49		X

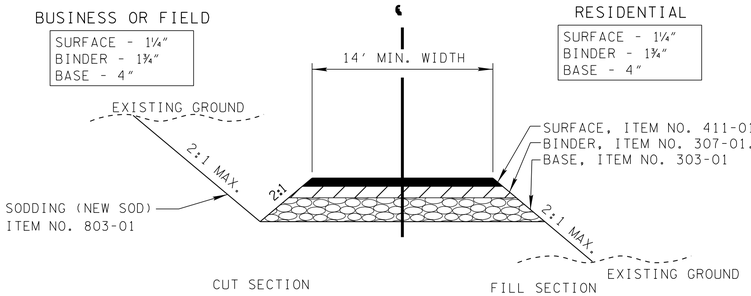


SUPERELEVATED SECTION

(BASED ON STD. DWG. RD01-TS-1)

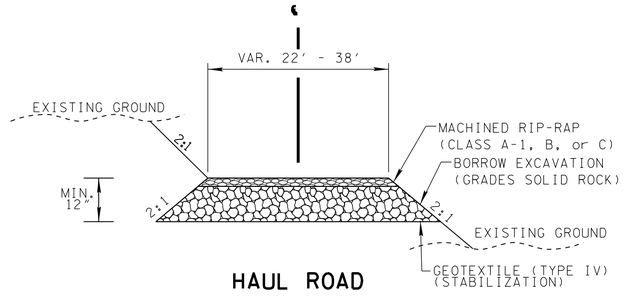
RECTOR RD. 232+07.45 TO 233+45.78

NOTE: DITCH TO BE CONSTRUCTED WHERE DIRECTED BY THE ENGINEER



TYPICAL SECTION

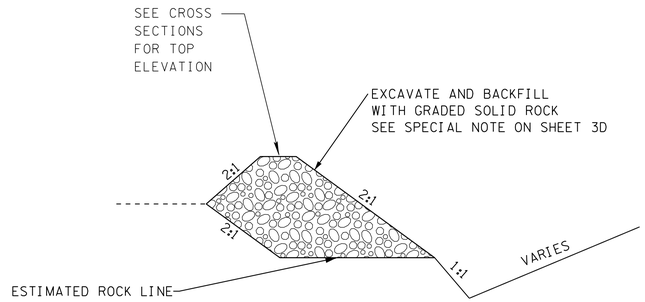
PRIVATE DRIVE TO BUSINESS, FIELD, OR RESIDENTIAL PROPERTY



HAUL ROAD

NO BUSINESS CREEK	0+00.00 TO 6+59.44
LICKFORK CREEK SOUTH	2+00.00 TO 7+47.00
LICKFORK CREEK NORTH	10+00.00 TO 17+15.49
LICKFORK CREEK NORTH 2	25+00.00 TO 26+51.95

NOTE: IF CONSTRUCTION IN AREAS THAT ARE EITHER DRY OR UNSATURATED, HAUL ROAD SHALL BE CONSTRUCTED OF MACHINED RIP-RAP (CLASS (A-1, B, or C)). IF CONSTRUCTED IN WATER OR IN AN AREA WITH THE FLOODPLAIN IN THE CASE OF A 5 YEAR STORM EVENT, THE BORROW EXCAVATION (GRADED SOLID ROCK) SHALL BE USED IN PLACE OF THE MACHINED RIP-RAP.



CLAY BERM DETAIL

SR-28
1334+22.54 TO 1335+37.46

NOTE: SEE SHEET 2B4 FOR PAVEMENT SCHEDULE

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
05.20.26
COMMERCE
NO. 130107
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

5/20/2026
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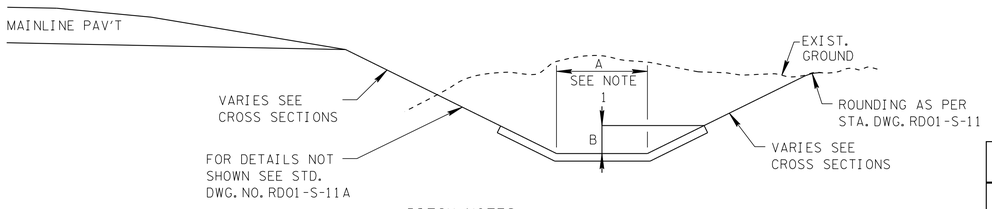
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP- 28(32)	2C
PIH	2026	STP/NH/HPP- 28(32)	2B3
PS&E	2026	STP/NH/HPP- 28(32)	2B3

DITCHES

ROADWAY	STATION FROM	STATION TO	SIDE LT	SIDE RT	DIMENSION "A" (FT.)	DIMENSION "B" (FT.)	GABIONS (DITCH LINING) 709-10.01 (C.Y.)	GEOTEXTILE (TYPE III) 740-10.03 (S.Y.)	TRM (CLASS I) 805-01.01 (S.Y.)	MACHINED RIPRAP CLASS A-1 709-05.06 (TON)	MACHINED RIPRAP CLASS B 709-05.08 (TON)	MACHINED RIPRAP CLASS C 709-05.09 (TON)	REMARKS
SR-28	1289+00	1289+00	X										SOD
SR-28	1284+00	1290+31.49		X	4	2.25			1583				
SR-28	1301+00	1306+12.66	X			1.75			936				
SR-28	1306+12.66	1308+50	X										SOD
BYERS	211+00	211+75		X									SOD
BYERS	213+00	215+42.10		X									SOD
SR-28	1317+50	1319+50		X	4								SOD
SR-28	1322+50	1325+79.32		X	4								SOD
SR-28	1325+90.59	1325+79.32		X		0.75			11				
SR-28	1326+50	1329+30.64		X									SOD
RECTOR	231+65	233+14.07		X		0.75			101				
GOSS	240+50	241+17		X									SOD
GOSS	241+17	242+00		X									SOD
GOSS	242+26.81	245+31.06	X										SOD
GOSS	240+50	241+75	X										SOD
SR-28	1329+78.17	1330+50		X									SOD
SR-28	1330+00	1337+50	X			1.25			1230				
SR-28	1337+50	1339+13.15	X			1.5	134	32		179			
SR-28	1337+50	1338+50		X		1.25			164				
SR-28	1338+50	1339+79.77		X		2	107	29		221			
SR-28	1339+32.73	1340+00	X			2	43	25		118			
SR-28	1339+96.29	1341+00		X		2	66	26		146			
SR-28	1341+00	1346+00		X		1.25			820				
SR-28	1340+00	1343+55	X			4			1392				
SR-28	1343+55	1344+04.55	X			3		149			217		
SR-28	1344+60	1347+50	X			2			723				
PRYOR	263+75	264+85	X			1.25			107				
PRYOR	263+75	264+85		X									SOD
SR-28	1354+50	1358+00	X										SOD
CLEARCREEK	277+25	278+23	X										SOD
CLEARCREEK	277+25	278+23		X									SOD
SR-28	1360+49.46	1360+39	X			1.5		17		13			
SR-28	1360+39	1358+00	X			1			273				
SR-28	1360+49.46	1360+60	X			1.75		20		29			
SR-28	1360+60	1363+00	X			1.25			394				
SR-28	1363+00	1366+00	X										SOD
SR-28	1370+00	1382+00	X			1.25			1968				
SR-28	1375+00	1382+00		X									SOD
CONLEY	291+75	292+50	X										SOD
CONLEY	291+75	292+50		X									SOD
SR-28	1378+50	1382+00	X			1.25			574				
OLD SR-28 WEST	321+50	324+25		X		1.25			303				
OLD SR-28 WEST	321+50	323+50	X			0.5			115				
OLD SR-28 WEST	323+50	324+25	X			3.5		315				551	
OLD SR-28 EAST	330+48.10	330+75		X									SOD
SR-28	1383+50	1392+15.65		X		2			2156				
SR-28	1392+15.65	1394+00		X									SOD
SR-28	1392+15.65	1393+29.57		X	6	2		284				586	
SR-28	1383+16.32	1390+61.60	X		4	2			2022				
SR-28	1390+61.60	1391+50	X			0.75			81				
SR-28	1394+50	1396+25.63	X			1.5	80	39		209			
SR-28	1395+52.10	1399+00		X		2	285	48		544			
SR-28	1399+00	1407+50		X		1.50			1635				
SUB TOTALS							715	984	16588	1459	217	1137	

DITCHES

ROADWAY	STATION FROM	STATION TO	SIDE LT	SIDE RT	DIMENSION "A" (FT.)	DIMENSION "B" (FT.)	GABIONS (DITCH LINING) 709-10.01 (C.Y.)	GEOTEXTILE (TYPE III) 740-10.03 (S.Y.)	TRM (CLASS I) 805-01.01 (S.Y.)	MACHINED RIPRAP CLASS A-1 709-05.06 (TON)	MACHINED RIPRAP CLASS B 709-05.08 (TON)	MACHINED RIPRAP CLASS C 709-05.09 (TON)	REMARKS
SR-28	1410+50	1418+50		X		1.33			1271				
SR-28	1396+82.10	1399+00	X		3	2	100	44		341			
SR-28	1397+50	1421+20	X		3	2	1078	239		3699			
SR-28	1398+00	1398+50	X		3	2	23	29		79			
SR-28	1398+50	1399+00	X		3	2	23	29		79			
SR-28	1399+00	1410+50	X			1.5			2212				
SR-28	1419+50	1421+00	X			1.5							SOD
SR-28	1421+00	1421+09.39	X			1.5		15		11			
SR-28	1421+09.39	1421+20	X			1.5		17		13			
SR-28	1421+20	1422+50	X			1			121				
SR-28	1422+50	1425+50	X										SOD
SR-28	1424+59.01	1427+68.44		X		1.5		596				1042	
SR-28	1426+60.25	1427+50.00				0.5			30				
HOLLOW	310+85.16	312+75	X										SOD
HOLLOW	310+97.51	312+75		X									SOD
SR-28	1428+18.49	1428+50		X									SOD
TOTALS							1939	1953	20222	5681	217	2179	



DITCH NOTES:

1. WHERE PROP. LAYOUT OR CROSS SECTIONS INDICATES "V" DITCH, THEN A=0, PROVIDE ROUNDING AS PER STD. DWG RD01-S-11A. WHERE PROP. LAYOUT OR CROSS SECTIONS INDICATES "T" (WITH A WIDTH) DITCH, THEN USE A TRAPEZOIDAL CHANNEL WITH "A" EQUAL TO THE INDICATED WIDTH.
2. WHERE PROP. LAYOUT INDICATES RIP-RAP, PROVIDE CLASS SHOWN ON PLANS UNDERLAIN WITH 6" THK. # 57 STONE. WHERE PROP. LAYOUT INDICATES PAVED, PROVIDE 4" THICK CEMENT CONCRETE DITCH PAVING UNDERLAIN WITH GEOTEXTILE FABRIC (TYPE III).

CHANNEL RELOCATIONS

ROAD	STATION FROM	STATION TO	SIDE LT	SIDE RT	DIMENSION (FT) "A"	DIMENSION (FT) "B"	DIMENSION (FT) SS (LT)	DIMENSION (FT) SS (RT)	TYPE	REMARKS
SR-28	1290+80.86	1294+32.44		X	1.25	1.7	3:1	3:1	CL B RIPRAP	STR-1
SR-28	1299+25.41	1300+33.33		X	1.25	1.5	3:1	3:1	CL B RIPRAP	STR-1
SR-28	1302+20.86	1306+62.82		X	1.25	2.4	3:1	3:1	CL B RIPRAP	STR-1
SR-28	1360+32.14	1360+42.01	X		1.25	1.2	3:1	3:1	CL A1 RIPRAP	STR-6
SR-28	1381+41.21	1382+00.00	X		4	2	3:1	2:1	CL B RIPRAP	STR-7
SR-28	1382+00.00	1382+77.02		X	4	2.5	3:1	2:1	CL B RIPRAP	STR-7
SR-28	1383+33.17	1384+61.65		X	4	2.7	3:1	2:1	CL B RIPRAP	STR-7
SR-28	1421+09.39	1421+24.38	X		3	2.6	2:1	2:1	CL B RIPRAP	STR-11
SR-28	1424+44.26	1427+71.09	X	X	1	0.75	3:1	3:1	CL A1 RIPRAP	STR-12

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL DITCH TYPICALS AND LOCATIONS

5/20/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP- 28(32)	2B4
PS&E	2026	STP/NH/HPP- 28(32)	2B4

(1) ASPHALTIC CONCRETE SURFACE @ 1.25" THICK (APPROX. 132.5 LB./S.Y.)

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

(2) ASPHALTIC CONCRETE SURFACE @ 1.25" THICK (APPROX. 132.5 LB./S.Y.)

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

(3) ASPHALTIC CONCRETE SURFACE @ 1.50" THICk (APPROX. 159 LB./S.Y.)

411-01.07 ACS MIX (PG64-22) GRADING "E" SHOULDER

(4) BITUMINOUS BINDER COURSE @ 2.00" THICK (APPROX. 226 LB./S.Y.)

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

(5) BITUMINOUS BINDER COURSE @ 2.00" THICK (APPROX. 226 LB./S.Y.)

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

(6) BITUMINOUS BINDER COURSE @ 3.00" THICK (APPROX. 345 LB./S.Y.)

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

(7) BITUMINOUS BINDER COURSE @ 3.00" THICK (APPROX. 318 LB./S.Y.)

307-01.21 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "A-5"

(8) MINERAL AGGREGATE 10" THICK (APPROX. 806 LB./S.Y.)

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

(9) MINERAL AGGREGATE 12" THICK (APPROX. 967 LB./S.Y.)

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

(10) MINERAL AGGREGATE 17.75" THICK (APPROX. 1431 LB./S.Y.)

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

(11) TACK COAT

403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)
NOTE: SEE 403.05 FOR DETERMINING APLICATION RATE IN THE FIELD

(12) PRIME COAT

402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) AT 0.30 - 0.35 GALLONS/S.Y.
402-02 AGGREGATE FOR COVER MATERIAL (PC) AT 8 - 12 LB./S.Y.

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PAVEMENT
SCHEDULE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	2C
PS&E	2026	STP/NH/HPP-28(32)	2C

GENERAL NOTES

GRADING

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

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

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

SEEDING AND SODDING

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

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

(3) ITEM NO. 801-01.02 SHALL BE USED ON SLOPES 3:1 OR STEEPER AND OTHER AREAS AS INDICATED IN THE PLANS THAT ARE INACCESSIBLE FOR MOWING.

(4) ITEM NO. 801-01.07, 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.

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

DRAINAGE

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

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

(3) CULVERT EXCAVATION FOR CONCRETE BOX OR SLAB TYPE CULVERTS OR BRIDGES WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN THE COST OF OTHER ITEMS.

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

(5) WHERE A CULVERT (PIPE 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.

FENCING

(1) LOCATION OF THE FENCE SHALL BE ONE FOOT INSIDE THE RIGHT-OF-WAY EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

(2) FENCES SHALL BE TURNED IN AT DRAINAGE STRUCTURES, STOCK PASSES AND BRIDGES WHERE DIRECTED BY THE ENGINEER SO AS TO ABUT WINGWALLS AND/OR ABUTMENTS.

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

(4) THE CONTRACTOR SHALL BE REQUIRED TO INSTALL ACCESS CONTROL FENCES PRIOR TO CUTTING EXISTING STOCK FENCES IN AREAS UTILIZED BY DOMESTIC LIVESTOCK OR OTHER AREAS AS DIRECTED BY THE ENGINEER.

MISCELLANEOUS

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

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

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

PAVEMENT MARKINGS

FINAL PAVEMENT MARKING

(1) 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.

(2) 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.

(3) 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. 716-05.20, PAINTED PAVEMENT MARKING (6IN LINE), L.M.

DETOURS, LANE SHIFTS AND MEDIAN CROSS-OVERS

(4) THE PAVEMENT MARKING ON THE DETOURS FOR CENTERLINES AND EDGE LINES WILL BE INSTALLED AND MAINTAINED TO THE SAME STANDARDS AS FOR PERMANENT MARKINGS ON THE MAIN ROADWAY. THESE MARKINGS SHALL BE IN PLACE PRIOR TO ALLOWING TRAFFIC ONTO THE PAVEMENT. THESE PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.20 L.M.

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

SNOWPLOWABLE REFLECTIVE PAVEMENT MARKERS

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

PAVEMENT

PAVING

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

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

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

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

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

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

(5) 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.

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

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GENERAL NOTES CONT.

(7) 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.

(8) 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.

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

(10) 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.

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.

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PIH	2026	STP/NH/HPP-28(32)	2C1
PS&E	2026	STP/NH/HPP-28(32)	2C1

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	2D
PS&E	2026	STP/NH/HPP-28(32)	2D

SPECIAL NOTES

GRADING

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

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

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

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

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

(6) THE CONTRACTOR SHALL CONSTRUCT AND COMPACT ALL EMBANKMENTS AND BRIDGE APPROACHES WITHIN THE PROJECT LIMITS AS PER 205.04.C IN THE STANDARD SPECIFICATIONS FOR DEGRADABLE ROCK. STOCKPILING OF NON-DEGRADABLE MATERIAL MAY BE REQUIRED FOR USE IN CAPPING EMBANKMENT. NO SEPARATE PAYMENT WILL BE MADE FOR STOCKPILING OR ADDITIONAL HANDLING OF NON-DEGRADABLE MATERIAL.

DEMOLITION

DEMOLITION OF BUILDINGS

(1) IF THE ASBESTOS SURVEY AND ABATEMENT IS NOT PART OF THE CONTRACT, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE TDOT HAZARDOUS MATERIALS OFFICE TO VERIFY THAT AN ASBESTOS SURVEY HAS BEEN COMPLETED FOR ANY BUILDING TO BE REMOVED. IN THE CASE THAT NO SURVEY HAS BEEN COMPLETED THE CONTRACTOR SHALL COORDINATE WITH THE HAZARDOUS MATERIAL OFFICE IN SCHEDULING A SURVEY.

(2) ASBESTOS-CONTAINING MATERIALS (ACM) ABATEMENT SHALL BE COMPLETED PRIOR TO ANY DEMOLITION ACTIVITIES FOR BUILDINGS INCLUDED IN THE PROJECT. ABATEMENT SHOULD BE ACCOMPLISHED PER SP202ACM SPECIAL PROVISION REGARDING REMOVAL OF ASBESTOS-CONTAINING MATERIALS. STATE OF TENNESSEE ASBESTOS ACCREDITATION REQUIREMENTS (TCA 1200-01-20) MANDATE THAT ACM ABATEMENT WORK BE PERFORMED BY AN ACCREDITED FIRM (CONTRACTOR) USING ACCREDITED ABATEMENT WORKERS AND SUPERVISORS.

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

GRADED SOLID ROCK

(1) UNDERCUT THE TOP 2 FEET OF EXISTING SOIL AND PLACE GRADED SOLID ROCK AS THE BOTTOM 3 FEET. GRADED SOLID ROCK SHOULD BE PLACED AND BORDERED BY GEOTEXTILE FABRIC ON THE TOP AND BOTTOM. THE UNDERCUT EXCAVATION CAN BE MADE ON A 1H:1V TEMPORARY EXCAVATION SLOPE RATIO.

HISTORICAL

(1) THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING AND COORDINATING WITH THE TDOT REGIONAL SIGN SHOP FOR STORING HISTORIC MARKER(S). AT THE TIME THE MARKER(S) IS TAKEN DOWN, LINDA WYNN WITH THE TENNESSEE HISTORICAL COMMISSION SHOULD BE NOTIFIED AT (615)-770-1093. AT THE END OF CONSTRUCTION, MARKER(S) WILL BE RESET BY THE SIGN SHOP AT THE DIRECTION OF THE REGIONAL TRAFFIC ENGINEER. IF THE MARKER CANNOT BE RESET OUTSIDE OF THE CLEAR ZONE, THE REGIONAL TRAFFIC ENGINEER WILL CONTACT THE TENNESSEE HISTORIC COMMISSION AND RETURN THE MARKER(S).

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	2E
PS&E	2026	STP/NH/HPP-28(32)	2E

ENVIRONMENTAL NOTES

SUBSECTION 1 – 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.

(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.

SUBSECTION 2 – ENVIRONMENTAL SPECIAL NOTES

ENVIRONMENTAL

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

ECOLOGY

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

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

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

PROJECT COMMITMENTS

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

SCOPE OF WORK

(6) GRADE, DRAIN, BASE, PAVE, SIGN AND STRIPE

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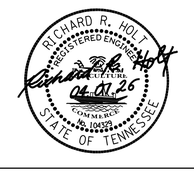

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL NOTES

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	2E1
PIH	2026	STP/NH/HPP-28(32)	2F
PS&E	2026	STP/NH/HPP-28(32)	2F

REMOVAL OF BUILDINGS AND OBSTRUCTIONS DESCRIPTION BLOCK

PAY ITEM	TRACT NO.	DESCRIPTION
202-01	TRACT 34	RESIDENTIAL TRAILER
202-01	TRACT 34	FRAMED GARAGE
202-01	TRACT 38	1 STORY FRAMED RESIDENTIAL BLDG.
202-01	TRACT 39A	FOUNDATION
202-01	TRACT 41	1 STORY FRAMED RESIDENTIAL BLDG.
202-01	TRACT 43	1 STORY FRAMED RESIDENTIAL BLDG.
202-01	TRACT 43	SHED
202-01	TRACT 43	SHED
202-01	TRACT 43	MOTORCYCLE PAD
202-01	TRACT 46	1 STORY FRAMED RESIDENTIAL BLDG.
202-01	TRACT 47	1 STORY BLOCK RESIDENTIAL BLDG.
202-01	TRACT 47	BLOCK SHED
202-01	TRACT 47	ABANDONED BLDG.
202-01	TRACT 47	1 STORY FRAMED RESIDENTIAL BLDG. (ABANDONED)
202-01	TRACT 51A	1 STORY FRAMED RESIDENTIAL BLDG.
202-01	TRACT 52	RESIDENTIAL TRAILER
202-01	TRACT 52	SHED
202-01	TRACT 55	1 STORY FRAMED RESIDENTIAL BLDG.
202-01	TRACT 55	CARPORT
202-01	TRACT 55	SHED
202-01	TRACT 56	ABANDONED BLDG.
202-01	TRACT 60	RESIDENTIAL TRAILER
202-01	TRACT 60	POOL
202-01	TRACT 61	1 STORY FRAMED RESIDENTIAL BLDG.
202-01	TRACT 61	DOUBLE WIDE RESIDENTIAL TRAILER
202-01	TRACT 64A	BARN
202-01	TRACT 64A	SHED
202-01	TRACT 64A	RESIDENTIAL TRAILER
202-01	TRACT 65	1 STORY DOUBLEWIDE RESIDENTIAL TRAILER
202-01	TRACT 65	SHED
202-01	TRACT 66	RESIDENTIAL TRAILER
202-01	TRACT 66	SHED
202-01	TRACT 71	1-METAL BARN
202-01	TRACT 73	SHED
202-01	TRACT 73	SHED
202-01	TRACT 73	SHED
202-01	TRACT 73	2 STORY FRAMED RESIDENTIAL BLDG.
202-01	TRACT 77	SHED
202-01	TRACT 77	1 STORY FRAMED RESIDENTIAL BLDG.
202-01	TRACT 79	SHED
202-01	TRACT 79	SHED
202-01	TRACT 79	SHED
202-01	TRACT 79	1 STORY FRAMED RESIDENTIAL BLDG.
202-01	TRACT 80	RESIDENTIAL TRAILER
202-01	TRACT 80	1 STORY FRAMED RESIDENTIAL BLDG.
202-01	TRACT 84	RESIDENTIAL TRAILER
202-01	TRACT 86	BARN
202-01	TRACT 86	BARN
202-01	TRACT 87	FOUNDATION
202-01	TRACT 94	RESIDENTIAL TRAILER
202-01	TRACT 94	SHED
202-01	TRACT 94	SHED
202-01	TRACT 94	SHED
202-01	TRACT 95	1 STORY FRAMED RESIDENTIAL BLDG.
202-01	TRACT 95	GARAGE
202-01	TRACT 95	SHED
202-01	TRACT 98	1 STORY METAL BUILDING
202-01	TRACT 100	RUIN
202-01	TRACT 101	SHED
202-01	TRACT 101	1 STORY FRAMED RESIDENTIAL BLDG.
202-01	TRACT 110	1 STORY FRAMED RESIDENTIAL BLDG.
202-01	TRACT 110	SHED
202-01	TRACT 110	SHED
202-01	TRACT 110	GARAGE
202-01	TRACT 113	SHED
202-01	TRACT 120	RUIN
202-01	TRACT 120	RUIN
202-01	TRACT 120	RUIN
202-01	TRACT 120	1-S-BLK. SHED
202-01	TRACT 120	1-S-FR. RES.
202-01	TRACT 120	1 STORY BLOCK SHED
202-01	TRACT 120	UNNAMED FEATURE
202-01	TRACT 120	UNNAMED FEATURE
202-01	TRACT 123	1 STORY LOG BUILDING
202-01	TRACT 123	1.5 STORY FRAMED RESIDENTIAL BLDG.
202-01	TRACT 123	1 STORY BRICK GARAGE
202-01	TRACT 126	1 STORY BRICK FIRE HALL

NO ADDITIONAL COMPENSATION WILL BE MADE FOR THESE REMOVALS.

REMOVAL OF STRUCTURES TABLE

SHEET NO.	LOCATION	STATION FROM	STATION TO	SIDE LT	SIDE RT	DESCRIPTION	REMOVAL OF PIPE (12") (LF)	REMOVAL OF PIPE (15") (LF)	REMOVAL OF PIPE (18") (LF)	REMOVAL OF PIPE (20") (LF)	REMOVAL OF RCBC (3'x5') (LF)
4	SR-28	1283+16.67	1283+46.10		X	CMP	30				
4	SR-28	1285+45.81	1285+65.64		X	CMP	20				
4	SR-28	1286+81.13	1286+99.94		X	CMP	20				
4	SR-28	1288+61.92	1288+80.70	X		CMP	20				
5	SR-28	1293+48.85	1293+68.55	X		CMP	20				
5	SR-28	1295+10.41	1295+40.06	X		CMP			30		
5	SR-28	1295+56.16	1295+76.00	X		CMP			20		
5	SR-28	1299+14.04	1299+53.66	X		CMP			40		
5	SR-28	1299+10.53	1299+40.31	X		CMP			29		
5	SR-28	1299+46.11	1299+93.87	X		CMP			48		
5	SR-28	1301+54.55	1301+74.76	X		CMP			21		
5	SR-28	1301+83.19	1302+21.25	X		CMP			38		
5	MAYFAIR DRIVE	182+36.29		X		CMP			21		
5	MAYFAIR DRIVE	182+99.08	183+19.08		X	PLASTIC	21				
6	SR-28	1303+31.36	1303+55.12	X		CMP	24				
6	SR-28	1303+43.27	1303+82.46	X		CMP			40		
6	SR-28	1303+91.62	1304+21.84	X		CMP			31		
6	SR-28	1304+53.41	1304+76.30	X		CMP	23				
6	SR-28	1307+01.68	1307+22.96	X		CMP			22		
6	SR-28	1307+85.94	1308+13.69	X		CMP	28				
6	SR-28	1312+83.80	1313+04.05	X		CMP	21				
7	SR-28	1316+41.45	1316+83.45	X		CMP	42				
7	SR-28	1318+24.57	1318+48.99	X		CMP	25				
7	SR-28	1318+93.04	1319+12.98	X	X	CMP			21		
7	SR-28	1319+77.57	1319+97.37	X		CMP	20				
7	SR-28	1324+97.74	1325+21.78		X	CMP	25				
7	SR-28	1325+26.89	1325+51.88		X	CMP	25				
7	SR-28	1325+71.72	1325+79.04		X	CMP			40		
7	SR-28	1327+13.39	1327+53.12		X	CMP		40			
7	BYERS LANE	213+03.06	213+08.74	X		CMP	20				
8	RECTOR ROAD	231+73.39	232+07.43	X		CMP	35				
8	OLD SR-28	301+30.34	301+73.44	X		RCP	44				
8	OLD SR-28	305+71.45	305+92.98	X		CMP	21				
8	OLD SR-28	306+16.50	306+50.80		X	CMP			37		
8	OLD SR-28	307+41.08	307+64.40		X	CMP	25				
9	SR-28	1342+94.51	1343+10.66		X	CMP		20			
9	SR-28	1343+15.18	1343+65.99		X	CMP	55				
9	SR-28	1345+78.39	1345+92.86	X	X	CMP			39		
9	SR-28	1347+23.96	1347+54.92	X		CMP	32				
9	SR-28	1347+37.01	1347+58.86	X		CMP			47		
9	SR-28	1349+73.36	1349+96.90	X		CMP	24				
9	SR-28	1350+35.79	1350+62.01	X		CMP	27				
9	SR-28	1351+76.06		X		END WALL					
9	SR-28	1354+33.75	1354+64.60	X		CMP			33		
9	LELAND PRYOR RD	260+40.84	260+61.80	X		CMP	21				
10	SR-28	1355+58.97	1356+24.02	X		CMP			68		
10	SR-28	1362+04.09	1362+44.40	X		CMP			41		
10	CLEAR CREEK RD	275+82.12	276+02.34	X		CMP	21				
11	SR-28	1369+07.19	1369+27.65	X		CMP	21				
11	SR-28	1371+56.16	1371+77.24	X		CMP		21			
11	SR-28	1372+63.58	1372+66.66	X		CMP				41	
11	SR-28	1374+34.20	1374+62.04	X		CMP	27				
11	SR-28	1375+45.90	1375+76.36	X		CMP			29		
11	SR-28	1376+77.82	1377+13.88	X		CMP	36				
11	SR-28	1377+48.49	1377+51.53	X		CMP				37	
13	SR-28	1404+44.04	1404+69.29	X		CMP		37			
13	SR-28	1405+21.14	1405+50.94	X		CMP			32		
14	SR-28	1409+39.22	1409+69.65	X		CMP			31		
14	SR-28	1410+97.14	1411+20.77	X		CMP			24		
14	SR-28	1411+97.93	1412+18.48	X		CMP		21			
14	SR-28	1412+46.78	1412+65.48	X		CMP			19		
14	SR-28	1412+62.54	1412+91.08	X		CMP			29		
14	SR-28	1415+25.10	1415+45.58	X		CMP			21		
14	SR-28	1415+67.91	1415+88.31	X		CMP		21			
14	SR-28	1417+26.59	1417+52.37	X		CMP	26				
14	SR-28	1417+42.88	1417+89.36	X		CMP	47				
15	SR-28	1422+44.38	1422+65.02	X		CMP			21		
15	SR-28	1425+33.74	1426+09.84	X	X	WOODEN FOOT BRIDGE					
15	SR-28	1426+11.66	1426+43.47	X		CMP			35		
15	SR-28	1426+75.79	1427+31.61	X		CONC. BOX CULVERT					83
15	SR-28	1429+41.43	1429+61.38	X		CMP			20		
TOTAL							846	160	927	78	83

NO ADDITIONAL COMPENSATION WILL BE MADE FOR THESE REMOVALS.

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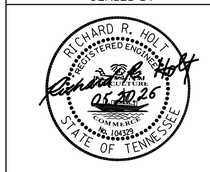

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

TABULATED QUANTITIES

5/20/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	2E2
PIH	2026	STP/NH/HPP-28(32)	2F1
PS&E	2026	STP/NH/HPP-28(32)	2F1

CROSS DRAIN TABULATION

STATION	LOCATION	SKEW	RCP CLASS III OR CMP 10 GA OR PVC OR SRTRP OR HDPE OR PP FILL HEIGHT ≤ 16 FT. (L.F.)						RCP CLASS IV OR PVC FILL HEIGHT > 16 FT. AND ≤ 24 FT (L.F.)						END TREATMENT				REMARKS
															INLET		OUTLET		
			18"	24"	30"	36"	42"	48"	18"	24"	30"	36"	42"	48"	TYPE	DRAWING NO.	TYPE	DRAWING. NO.	
1306+28.22	SR-28	78°			161										U	D-PE-30A	U	D-PE-30A	
1305+99.42	SR-28	90°								100							U	D-PE-24A	
213+00.00	BYERS	90°		31											U	D-PE-24A D-PE-99	U	D-PE-24A D-PE-99	SAFETY GRATES REQUIRED
1325+66.12	SR-28	79°		142											U	D-PE-24A	U	D-PE-24A D-PE-99	SAFETY GRATE REQUIRED ON OUTLET
241+17.00	GOSS	90°	39												U	D-PE-18A D-PE-99	U	D-PE-18A D-PE-99	SAFETY GRATES REQUIRED
264+85.00	PRYOR	86°					30								U	D-PE-42A D-PE-99	U	D-PE-42A D-PE-99	SAFETY GRATES REQUIRED
278+23.00	CLEARCREEK	90°	34												U	D-PE-18A D-PE-99	U	D-PE-18A D-PE-99	SAFETY GRATES REQUIRED
290+84.00	CONLEY	89°	37												U	D-PE-18A D-PE-99	U	D-PE-18A D-PE-99	SAFETY GRATES REQUIRED
1391+36.07	SR-28	41°					150								U	D-PE-42A	U	D-PE-42A	
310+90.06	HOLLOW	72°		37											U	D-PE-24A D-PE-99	U	D-PE-24A D-PE-99	SAFETY GRATES REQUIRED
TOTALS			160	210	161	112	180			100									

PROPOSED GUARDRAIL

SHEET NO.	LOCATION	SIDE		STATIONS		GUARDRAIL		TERMINAL ANCHORS			
		LT	RT	FROM	TO	THRIE BEAM BRIDGE TRAN. MASH TL-3 (20.65') 705-06.25 EACH	W BEAM GR (TYPE 2) MASH TL3 705-06.01 (L.F.)	TYPE 13 MASH TL3 (9.375') 705-06.10 (EACH)	IN-LINE MASH TL3 705-06.11 (EACH)	TYPE 38 MASH TL3 (46.875') 705-06.20 (EACH)	RADIUS RAIL 706-06.03 (L.F.)
5B - 6B	SR-28		X	1300+06.02	1305+38.14		485	1	1	1	28
6B	SR-28		X	1305+57.14	1308+13.14		258	2	2		57
6B	SR-28		X	1308+32.14	1309+03.80		28	1	1	1	28
7B	SR-28	X		1320+13.01	1324+08.74		345	1	1	1	28
7B	SR-28	X		1324+27.77	1325+63.20		88	1	1	1	28
8B	SR-28		X	1335+87.18	1338+27.17	1	173			1	
8B	SR-28	X		1336+34.75	1338+16.05	1	115			1	
8B - 9B	SR-28	X		1339+75.40	1342+40.78	1	201			1	
8B - 9B	SR-28		X	1339+86.87	1342+05.02	1	150			1	
10B	SR-28		X	1355+01.92	1355+73.93		28	1	1	1	28
10B	SR-28		X	1355+93.39	1361+52.76		519	1	1	1	28
10B	SR-28	X		1358+47.25	1363+90.92		447			2	
12B - 13B	SR-28		X	1392+48.17	1394+40.61	1	124			1	
13B	SR-28	X		1393+87.03	1394+72.04	1	20			1	
13B	SR-28		X	1398+82.64	1399+67.45	1	18			1	
13B	SR-28	X		1399+04.39	1400+96.83	1	126			1	
TOTALS						8	3125	8	8	16	225

BOX CULVERT \ BRIDGE TABULATION

STATION	LOCATION	TYPE		SKEW	NO. BARRELS	WIDTH	HEIGHT	LENGTH	DRAINAGE AREA ACRES	STANDARD DRAWING NO.	CULVERT ≤ 20 FT.		STD. DWG. STD-17-17 & 18		RIP-RAP CLASS A1 709-05.06 TON	RIP-RAP CLASS B 709-05.08 TON	CHANNEL EXC. 203-08 CU. YD.	CULVERT EXC. ▲ 204-01 CU. YD.	CHANNEL SUBSTRATE 203-20.01 CU. YD.
		BOX	SLAB								CLASS "A" CONCRETE 604-01.01 CU. YD.	STEEL BAR REINF. 604-01.02 LB.	FOUNDATION FILL MATERIAL 204-08 CU. YD.	GRANULAR BACKFILL 303-01.01 TONS					
1292+98.63	SR-28	X		80°	1	8	3	41	8		33	8611	10	113			62	752	12
182+37.00	MAYFAIR	X		90°	1	8	4	48	17		43	10044	12	126			124	109	14
1305+47.64	SR-28	X		90°	1	6	4	72			49	11033	15	207			122	115	16
1343+21.64	SR-28	X		60°	1	6	3	23	2		18	4175	5	72	46		28	31	5
1359+53.10	SR-28	X		41°	1	6	4	234	12		151	36014	67	1158	43		145	341	52
1382+00.00	SR-28	X		90°	1	8	4	70	32		61	13936	17	184			181	159	21
331+25.00	OLD SR-28 EAST	X		36°	1	8	4	56			54	11460	12	129			227	198	17
1421+65.84	SR-28	X		52°	1	6	4	145	42		98	21391	36	527		72	249	225	32
1425+53.55	SR-28	X		39°	1	6	4	197	23		131	28716	59	711			499	411	44
TOTALS											638	145380	233	3227	89	72	1637	2341	213

▲ ALL COST OF CULVERT EXCAVATION WILL BE INCLUDED IN THE COST OF OTHER ITEMS.

RIGHT OF WAY MARKERS

SHEET NO.	Item #: 708-02.01 QUANTITIES "A"	"B"	"C"	TOTALS
5A	2	1	3	6
6A	3	2	5	10
7A	10	3	9	22
8A	11	4	9	24
9A	8	3	4	15
10A	8	4	6	18
11A	6	3	5	14
12A	6	1	2	9
13A	2		5	7
14A	1	1	1	3
15A	2	5	6	13
TOTALS	59	27	55	141

PAVEMENT QUANTITIES

LOCATION (ROADWAY)	ALTERNATE	TYPE - GRADE - PAY ITEM (TON)									
		MINERAL AGG.	BITUMINOUS PLANT MIX BASE (HOT MIX)					TACK	ASPHALTIC CONCRETE SURFACE (HOT MIX)		
			PG-64-22		PG-70-22				PG-64-22		PG-70-22
		D	A	B-M2	A-S	A	B-M2	COAT	D	E	D
		303-01	307-01.01	307-01.08	307-01.21	307-02.01	307-02.08	403-01	411-01.10	411-01.07	411-02.10
SR-28		75554			6750	7156	4611	38		2373	2691
MAYFAIR		928		127				1	70		
BYERS		1170		160				1	89		
RECTOR		604		83					46		
GOSS		3316		454				2	252		
PRYOR		1318		180				1	100		
CLEARCREEK		921		126				1	70		
CONLEY		591		81					45		
OLD SR28 WEST		1537		210				1	117		
OLD SR28 EAST		499		68					38		
HOLLOW		818		112					62		
DETOURS		27523	3997	2534				22	1473		
DRIVEWAYS		5912					126				1913
TOTALS		120692	3997	4136	6750	7156	4737	65	2362	2373	4604

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

TABULATED QUANTITIES

5/20/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	2E3
PIH	2026	STP/NH/HPP-28(32)	2F2
PS&E	2026	STP/NH/HPP-28(32)	2F2

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.							END TREATMENT				REMARKS
													INLET		OUTLET		
	LT.	RT.				18"x11"	22"x13"	29"x18"	18"	24"	30"	36"	TYPE	DRAWING NO.	TYPE	DRAWING NO.	
1283+56.00	X		SR-28	14	90°				16				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1285+54.63	X		SR-28	14	90°				16				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1285+59.99		X	SR-28	14	90°				16				U	D-PE-18A	U	D-PE-18A	
1290+25.08	X		SR-28	14	90°				23				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1290+56.21		X	SR-28	14	75°						29		U	D-PE-30A	U	D-PE-30A	
1291+35.23	X		SR-28	14	90°				28				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1292+98.63		X	SR-28	14	-												SEE BOX QUANTITIES
1293+61.29	X		SR-28	14	90°					21			SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1294+67.83		X	SR-28	14	-												NO SIDE DRAIN REQUIRED
1294+67.83	X		SR-28	14	90°					16			SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1295+27.69	X		SR-28	14	90°					16			SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1297+97.64	X		SR-28	14	90°					19			SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
183+49.80		X	MAYFAIR	14	90°				28				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1299+63.65	X		SR-28	15	90°					24			SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1301+70.11	X		SR-28	14	85°								U	D-PE-30A			PIPE LF INCLUDED IN 1302+05.72
1302+05.72	X		SR-28	22	85°						67				U	D-PE-30A	PIPE LF INCLUDES 1301+70.11
1303+62.75	X		SR-28	22	85°								U	D-PE-36A			PIPE LF INCLUDED IN 1304+06.55
1304+06.55	X		SR-28	14	85°							44			U	D-PE-36A	PIPE LF INCLUDES 1303+62.75
1305+47.64		X	SR-28	14	-												SEE BOX QUANTITIES
1306+64.64	X		SR-28	14	82°				51				U	D-PE-18A	U	D-PE-18A	
1308+22.64		X	SR-28	14	-												NO SIDE DRAIN REQUIRED
1308+55.64	X		SR-28	14	-												NO SIDE DRAIN REQUIRED
1311+35.31		X	SR-28	14	90°				16				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1313+07.64	X		SR-28	20	90°				23				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1313+87.64		X	SR-28	14	90°				16				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1315+00.00		X	SR-28	16	90°				19				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1316+51.53		X	SR-28	14	90°				21				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1318+46.32		X	SR-28	14	90°				25				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1318+63.16	X		SR-28	18	90°				23				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1319+59.27		X	SR-28	14	88°				24				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1321+67.03		X	SR-28	14	-												NO SIDE DRAIN REQUIRED
1322+93.75		X	SR-28	14	90°				33				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1324+18.27	X		SR-28	14	-												NO SIDE DRAIN REQUIRED
1325+25.52		X	SR-28	14	88°								U	D-PE-18A			PIPE LF INCLUDED IN 1325+54.82
1325+54.82		X	SR-28	14	88°				71						U	D-PE-18A	PIPE LF INCLUDES 1325+25.52
1326+89.56	X		SR-28	14	84°				18				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1328+30.00		X	SR-28	24	90°				24				U	D-PE-18A	U	D-PE-18A	
232+20.00		X	RECTOR	14	90°	25							SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
243+78.45		X	GOSS	14	87°				19				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
301+53.06		X	OLD SR-28	14	87°				23				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
305+82.67	X		OLD SR-28	14	90°				20				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
309+00.00	X		OLD SR-28	14	90°		20						SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1333+01.56	X		SR-28	14	90°				16				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1343+21.64		X	SR-28	14	85°						18		U	D-PE-30A	U	D-PE-30A	
1343+21.64		X	SR-28	14	-												SEE BOX QUANTITIES
262+25.00		X	PRYOR	14	90°		23						SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D ARCH PIPE
1346+37.04		X	SR-28	14	89°					18			SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1347+38.14		X	SR-28	14	87°					16			SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1348+43.68	X		SR-28	14	90°					16			SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1348+43.68	X		SR-28	14	57°							31	U	D-PE-36A	U	D-PE-36A	
1349+09.14		X	SR-28	14	90°			16					SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1349+91.14		X	SR-28	14	88°				16				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1350+52.14	X		SR-28	14	88°					16			SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1351+64.14		X	SR-28	14	89°				16				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1354+54.78	X		SR-28	20	90°					22			SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1355+78.79		X	SR-28	14	-												NO SIDE DRAIN REQUIRED
275+91.97	X		CLEARCREEK	14	90°				22				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1356+77.97	X		SR-28	14	86°				20				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1362+07.99		X	SR-28	14	-												NO SIDE DRAIN REQUIRED
1364+32.99		X	SR-28	14	-												NO SIDE DRAIN REQUIRED
1366+98.99		X	SR-28	14	-												NO SIDE DRAIN REQUIRED
1367+06.99	X		SR-28	16	89°				20				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1368+12.99		X	SR-28	14	-												NO SIDE DRAIN REQUIRED
1369+06.02		X	SR-28	14	89°				16				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1371+64.45	X		SR-28	14	89°					18			U	D-PE-24A	U	D-PE-24A	
1375+61.39	X		SR-28	14	90°					31			U	D-PE-24A	U	D-PE-24A	
291+95.18		X	CONLEY	14	87°				28				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
291+75.16	X		CONLEY	14	86°				28				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1380+21.85		X	SR-28	14	81°				17				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
322+89.93		X	OLD SR-28 WEST	14	85°				35				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
320+87.78	X		OLD SR-28 WEST	14	71°					25			U	D-PE-24A	U	D-PE-24A	
333+64.02		X	OLD SR-28 EAST	14	-												SEE BOX QUANTITIES
1405+10.69		X	SR-28	14	90°					16			SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1405+45.45	X		SR-28	14	90°						16		SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1405+45.45	X		SR-28	14	74°						23		U	D-PE-30A	U	D-PE-30A	
1409+59.60	X		SR-28	14	90°						16		SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1411+10.60	X		SR-28	40	90°				42				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1412+05.60	X		SR-28	14	90°				16				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1412+47.60		X	SR-28	14	90°					16			SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
SUBTOTALS						25	43	16	845	290	169	75					

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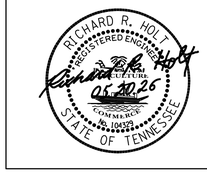

STATE OF TENNESSEE
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TABULATED QUANTITIES

5/20/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	2F3
PS&E	2026	STP/NH/HPP-28(32)	2F3

SIDE DRAIN TABULATION (CONT.)

STATION	LOCATION LT.	LOCATION RT.	DESCRIPTION	SURFACE WIDTH FT.	SKEW	RCP CLASS III OR CMP 16 GA OR PVC OR SRTRP OR HDPE OR PP (L.F.) FILL HEIGHT ≤ 10 FT. 18"x11"	22"x13"	29"x18"	18"	24"	30"	36"	END TREATMENT INLET TYPE	INLET DRAWING NO.	OUTLET TYPE	OUTLET DRAWING NO.	REMARKS
1412+80.08	X		SR-28	14	90°				16				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1415+53.60	X		SR-28	14	90°				16				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1417+54.74	X		SR-28	14	90°				16				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1417+92.60		X	SR-28	14	90°					16			SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1422+61.31	X		SR-28	14	86°				20				U	D-PE-18A	U	D-PE-18A	
1422+61.31		X	SR-28	14	-												NO SIDE DRAIN REQUIRED
1425+86.60	X		SR-28	14	79°				29				U	D-PE-18A	U	D-PE-18A	
311+36.98		X	HOLLOW	14	90°	20							SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
313+09.24		X	HOLLOW	14	90°				22				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
1429+53.60	X		SR-28	14	90°				16				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
TOTALS						45	43	16	980	306	169	75					

SEE SHEET 2F2 FOR SUBTOTALS

CROSS 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)	SAFETY ENDWALLS (ITEM NO. 611-07.54 THRU 611-07.71 SERIES) 18 IN. 3:1 07.54 (EACH)	24" IN. 3:1 07.57 (EACH)	24" IN. 4:1 07.58 (EACH)	30" IN. 3:1 07.60 (EACH)	30" IN. 4:1 07.61 (EACH)	42" IN. 3:1 07.66 (EACH)	42" IN. 6:1 07.68 (EACH)
SR-28	1306+28.22	-59.84, 101.23	78°	1,3	U	D-PE-30A						1	1		
SR-28	1305+99.42	98.57	90°	42	U	D-PE-24A		228		1					
BYERS	213+00.00	13.72, -16.77	90°	15,16	U	D-PE-24A D-PE-99				2					
SR-28	1325+66.12	-81.93, 57.24	79°	4,5	U	D-PE-24A D-PE-99		25			2				
GOSS	241+17.00	18.73, -19.59	90°	17,18	U	D-PE-18A D-PE-99	182		2						
PRYOR	264+85.00	15.02, -14.15	86°	19,20	U	D-PE-42A D-PE-99								2	
CLEARCREEK	278+23.00	17.14, -16.41	90°	22,21	U	D-PE-18A D-PE-99			2						
CONLEY	290+84.00	18.16, -18.52	89°	27,28	U	D-PE-18A D-PE-99				2					
SR-28	1391+36.07	-48.88, 49.05	41°	9,10	U	D-PE-42A									2
HOLLOW	310+90.06	17.36, -18.10	72°	26,25	U	D-PE-24A D-PE-99					2				
TOTALS							182	253	4	5	4	1	1	2	2

TOPSOIL

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.
2274426	21969	8445	30414	42119	30414	11705	0

MANHOLES

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/ TOP ELEV.	INVERT ELEV.	DEPTH (FT.)	STANDARD DRAWING NO.	PAY ITEMS TYPE 3 611-01.04 12' - 16'
6B	SR-28	1306+41.80	64	2	1847.91	1831.94	15.97	D-MH-2	1
TOTALS									1

ESTIMATED GRADING QUANTITIES

DESCRIPTION	UNADJUSTED VOLUMES (CY) EXC.	UNADJUSTED VOLUMES (CY) EMB.	ADJUSTED VOLUMES (CY) EXC.
MAINLINE	287838	155099	259055
SIDE ROADS	55626	3189	50064
HAUL ROADS	18734	6468	16861
STREAM RELOCATIONS	10803	0	9723
EROSION PREVENTION & SEDIMENT CONTROL	906	0	816
PAVEMENT REMOVALS	11837	3449	10654
TOPSOIL (EMB.)	8445		
TOPSOIL (EXC.)	21969		
TOPSOIL TOTALS (SEE TOPSOIL TABLE)			

ROCK (C.Y.) EXC.	ROCK (C.Y.) EMB.	TOTALS (C.Y.) EXC. (UNCL.)	EMB. (UNCL.)	EXC (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
223687	0	639845	168205	416158	385744	604410

BALANCE SUMMARY

SHRINK = 10 % SWELL = 15 %

EXC.		EMB.
604410	VS.	-168205
AVAILABLE	=	436205
WASTE MATERIAL	=	479826

SPRING DRAINS

STATION	LOCATION	STANDARD DRAWING NO.	OFFSET (FT.)	DEPTH (FT.)	TYPE 2A 611-02.02 EACH
1305+99.42	SR-28	D-SDS-1	0	3.33	1
TOTALS					1

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TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	2F4
PS&E	2026	STP/NH/HPP-28(32)	2F4

SIDE DRAIN ENDWALLS

LOCATION	DRIVE OR ENTRANCE STATION	OFFSET (FT.)	TYPE	STANDARD DRAWING NO.	SKEW	ENDWALLS 18 IN. 6:1 611-07.31 (EACH)	24 IN. 6:1 611-07.32 (EACH)	30" IN. 6:1 611-07.33 (EACH)	36" IN. 6:1 611-07.34 (EACH)
SR-28	1283+56.00	-48.4	SEW	D-SEW-1A	90°	2			
SR-28	1285+54.63	-45.08	SEW	D-SEW-1A	90°	2			
SR-28	1285+59.99	49.45	U	D-PE-18A	90°	2			
SR-28	1290+25.08	-44.99	SEW	D-SEW-1A	90°	2			
SR-28	1290+56.21	58.26	U	D-PE-30A	75°			2	
SR-28	1291+35.23	-49.47	SEW	D-SEW-1A	90°	2			
SR-28	1292+98.63		NA						
SR-28	1293+61.29	-45	SEW	D-SEW-1A	90°		2		
SR-28	1294+67.83		NA						
SR-28	1294+67.83	-45	SEW	D-SEW-1A	90°		2		
SR-28	1295+27.69	-44.94	SEW	D-SEW-1A	90°		2		
SR-28	1297+97.64	-44.97	SEW	D-SEW-1A	90°		2		
MAYFAIR	183+49.80	15.03	SEW	D-SEW-1A	90°	2			
SR-28	1299+63.65	-44.95	SEW	D-SEW-1A	90°		2		
SR-28	1301+70.11	-53.69	U	D-PE-30A	85°			1	
SR-28	1302+05.72	-58.45	U	D-PE-30A	85°			1	
SR-28	1303+62.75	-62.67	U	D-PE-36A	85°				1
SR-28	1304+06.55	-65.65	U	D-PE-36A	85°				1
SR-28	1305+47.64		NA						
SR-28	1306+64.64	-68.46	U	D-PE-18A	82°	2			
SR-28	1308+22.64		NA						
SR-28	1308+55.64		NA						
SR-28	1311+35.31	45	SEW	D-SEW-1A	90°	2			
SR-28	1313+07.64	-45	SEW	D-SEW-1A	90°	2			
SR-28	1313+87.64	45	SEW	D-SEW-1A	90°	2			
SR-28	1315+00.00	44.99	SEW	D-SEW-1A	90°	2			
SR-28	1316+51.53	45	SEW	D-SEW-1A	90°	2			
SR-28	1318+46.32	52.3	SEW	D-SEW-1A	90°	2			
SR-28	1318+63.16	-44.99	SEW	D-SEW-1A	90°	2			
SR-28	1319+59.27	59.98	SEW	D-SEW-1A	88°	2			
SR-28	1321+67.03		NA						
SR-28	1322+93.75	65.22	SEW	D-SEW-1A	90°	2			
SR-28	1324+18.27		NA						
SR-28	1325+25.52	70.25	U	D-PE-18A	88°	1			
SR-28	1325+54.82	69.49	U	D-PE-18A	88°	1			
SR-28	1326+89.56	-50.01	SEW	D-SEW-1A	84°	2			
SR-28	1328+30.00	55.01	U	D-PE-18A	90°	2			
RECTOR	232+20.00	17.23	SEW	D-SEW-1A	90°	2			
GOSS	243+78.45	-23.25	SEW	D-SEW-1A	87°	2			
OLD SR-28	301+53.06	21	SEW	D-SEW-1A	87°	2			
OLD SR-28	305+82.67	-26.51	SEW	D-SEW-1A	90°	2			
OLD SR-28	309+00.00	-20.51	SEW	D-SEW-1A	90°		2		
SR-28	1333+01.56	-51	SEW	D-SEW-1A	90°	2			
SR-28	1343+21.64	50.09	SEW	D-SEW-1A	85°			2	
SR-28	1343+21.64		NA						
PRYOR	262+25.00	16.93	SEW	D-SEW-1A	90°		2		
SR-28	1346+37.04	45	SEW	D-SEW-1A	89°		2		
SR-28	1347+38.14	45	SEW	D-SEW-1A	87°		2		
SR-28	1348+43.68	-45.27	SEW	D-SEW-1A	90°		2		
SR-28	1348+43.68	-118.41	U	D-PE-36A	57°				2
SR-28	1349+09.14	46.54	SEW	D-SEW-1A	90°		2		
SR-28	1349+91.14	47.9	SEW	D-SEW-1A	88°	2			
SR-28	1350+52.14	-47.35	SEW	D-SEW-1A	88°		2		
SR-28	1351+64.14	50.79	SEW	D-SEW-1A	89°	2			
SR-28	1354+54.78	-51	SEW	D-SEW-1A	90°		2		
SR-28	1355+78.79		NA						
CLEARCREEK	275+91.97	-17.92	SEW	D-SEW-1A	90°	2			
SR-28	1356+77.97	-53.01	SEW	D-SEW-1A	86°	2			
SR-28	1362+07.99		NA						
SR-28	1364+32.99		NA						
SR-28	1366+98.99		NA						
SR-28	1367+06.99	-45	SEW	D-SEW-1A	89°	2			
SR-28	1368+12.99		NA						
SR-28	1369+06.02	45	SEW	D-SEW-1A	89°	2			
SR-28	1371+64.45	-50.65	U	D-PE-24A	89°		2		
SR-28	1375+61.39	-54.29	U	D-PE-24A	90°		2		
CONLEY	291+95.18	14.22	SEW	D-SEW-1A	87°	2			
CONLEY	291+75.16	-15	SEW	D-SEW-1A	86°	2			
SR-28	1380+21.85	45	SEW	D-SEW-1A	81°	2			
OLD SR-28 WEST	322+89.93	22.78	SEW	D-SEW-1A	85°	2			
OLD SR-28 WEST	320+87.78	-58.27	U	D-PE-924A	71°		2		
SUBTOTALS						68	32	6	4

SIDE DRAIN ENDWALLS

LOCATION	DRIVE OR ENTRANCE STATION	OFFSET (FT.)	TYPE	STANDARD DRAWING NO.	SKEW	ENDWALLS 18 IN. 6:1 611-07.31 (EACH)	24 IN. 6:1 611-07.32 (EACH)	30" IN. 6:1 611-07.33 (EACH)	36" IN. 6:1 611-07.34 (EACH)
SR-28	1405+10.69	47.3	SEW	D-SEW-1A	90°		2		
SR-28	1405+45.45	-45.6	SEW	D-SEW-1A	90°			2	
SR-28	1405+45.45	-212.75	U	D-PE-30A	74°			2	
SR-28	1409+59.60	-46.97	SEW	D-SEW-1A	90°			2	
SR-28	1411+10.60	-45	SEW	D-SEW-1A	90°	2			
SR-28	1412+05.60	-45	SEW	D-SEW-1A	90°	2			
SR-28	1412+47.60	45	SEW	D-SEW-1A	90°		2		
SR-28	1412+80.08	-45	SEW	D-SEW-1A	90°	2			
SR-28	1415+53.60	-45	SEW	D-SEW-1A	90°	2			
SR-28	1417+54.74	-44.99	SEW	D-SEW-1A	90°	2			
SR-28	1417+92.60	45	SEW	D-SEW-1A	90°		2		
SR-28	1422+61.31	-62.32	U	D-PE-18A	86°	2			
SR-28	1422+61.31		NA						
SR-28	1425+86.60	-54.99	U	D-PE-18A	79°	2			
SR-28	1426+37.60		NA						
HOLLOW	311+36.98	-20	SEW	D-SEW-1A	90°	2			
HOLLOW	313+09.24	-16.43	SEW	D-SEW-1A	90°	2			
SR-28	1429+53.60	-45	SEW	D-SEW-1A	90°	2			
TOTALS						88	38	12	4

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

TABULATED QUANTITIES

5/20/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP- 28(32)	3
PIH	2026	STP/NH/HPP- 28(32)	3
PS&E	2026	STP/NH/HPP- 28(32)	3

RIGHT-OF-WAY

(1) 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 ROADWAY DRAWING RP-R-1, AND OTHER ACCEPTED DESIGN AND SAFETY STANDARDS.

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

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

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

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

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

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

UTILITY

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

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

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

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

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

(6) NO WORK SHALL OCCUR IN THE AREA MARKED ON THE PLANS AS STREAM/WETLAND MITIGATION RIGHT-OF-WAY OR MITIGATION AREA. NO UTILITY RELOCATION OR OTHER LAND DISTURBANCE IS AUTHORIZED. ONLY ACTIVITIES PERTAINING TO THE CONSTRUCTION OR MANAGEMENT OF THE STREAM/WETLAND MITIGATION SITE MAY OCCUR, WHICH WILL BE INDICATED ON THE STREAM MITIGATION PLANS **(ADD PLAN SHEET NUMBERS HERE)**. ANY VIOLATIONS OF THE ABOVE MENTIONED WILL RESULT IN NON-COMPLIANCE WITH THE ENVIRONMENTAL PERMIT REQUIREMENTS.

UTILITY OWNERS

CABLE:
COMCAST (XFINITY)
5720 ASHVILLE HIGHWAY
KNOXVILLE, TN 37924
CONTACT: MR JOSHUA JONES
PHONE: (865) 719 7590
EMAIL: JOSHUA_JONES@COMCAST.COM

CABLE:
SPIRIT BROADBAND
8279 HORTON HIGHWAY
COLLEGE GROVE, TN 37046
CONTACT: MR VINCE KING
PHONE: (615) 815-1599
EMAIL: VINCE@SPIRITBB.COM

ELECTRIC:
MIDDLE TENNESSEE ELECTRIC MC
555 NEW SALEM ROAD
MURFREESBORO, TN 37129-3390
CONTACT: MR MATHUE BEAN
PHONE: (615) 494-154
EMAIL: MATHUE.BEAN@MTEMC.COM

ELECTRIC:
TENNESSEE VALLEY AUTHORITY
1101 MARKET STREET MR-4G
CHATTANOOGA, TN 37402
CONTACT: MR CHAD BRANAM
PHONE: (423) 751-2843
EMAIL: CEBRANAM@TVA.GOV

ELECTRIC:
UPPER CUMBERLAND ELECTRIC MC
PO BOX 159
CARTHAGE, TN 37030-0159
CONTACT: MR JIMMY GREGORY
PHONE: (800) 261-2940
EMAIL: JGREGORY@UCEMC.COM

ELECTRIC:
VOLUNTEER ENERGY COOPERATIVE
PO BOX 277
DECATUR, TN 37322
CONTACT: VP MATTHEW TEAGUE
PHONE: (423) 334-7040
EMAIL: MTEAGUE@VEC.ORG

FIBER OPTIC:
AT&T
360 GEES MILL BUSINESS PARKWAY
CONYERS, GA 30013
CONTACT: MS TRINA IVEY
PHONE: (678) 641-5522
EMAIL: KI2863@ATT.COM

FIBER OPTIC:
VOLFIRST
PO BOX 670
MCMINNVILLE, TN 37111
CONTACT: MR RICHARD BOYD
PHONE: (931) 668-6692
EMAIL: RBOYD.BL@BLOMAND.NET

GAS:
ENBRIDGE (SPECTRA/EAST TN NAT GAS)
555 MARIOT DRIVE, SUITE 600
NASHVILLE, TN 37214
CONTACT: MR DOUG BARNES
PHONE: (615) 872-5145
EML: RDBARNES@SPECTRAENERGY.COM

GAS:
MIDDLE TENNESSEE NATURAL GAS
PO BOX 670
SMITHVILLE, TN 37166
CONTACT: MR MATTHEW WHITAKER
PHONE: (615) 597-0513
EMAIL: MWHITAKER@MTNG.COM

SEWER:
ADENUS WASTEWATER SOLUTIONS
849 AVIATION PARKWAY
SMYRNA, TN 37167
CONTACT: MR BRIAN CARTER
PHONE: (616) 220-7180
EMAIL: BRIAN.CARTER@ADENUS.COM

SEWER:
CITY OF CROSSVILLE
392 NORTH MAIN STREET
CROSSVILLE, TN 38555-4232
CONTACT: MR TIM BEGLEY
PHONE: (931) 456-6172
EMAIL: TIM.BEGLEY@CROSSVILLETN.GOV

SEWER:
FAIRFIELD GLADE COMMUNITY CLUB
PO BOX 2000
FAIRFIELD GLADE, TN 38558
CONTACT: MR SAM MCADOO
PHONE: (931) 707-2127
EMAIL: SMCADOO@FAIRFIELDGLADE.CC

PHONE:
BELLSOUTH DBA AT&T
307 DR. MARTIN LUTHER KING JR. PKWY
MORRISTOWN, TN 37813
CONTACT: MR SAM TRENT
PHONE: (423) 317-8804
EMAIL: ST3528@ATT.NET

PHONE:
FRONTIER/CITIZENS COMMUNICATIONS COMPANY
2104 WEST EMORY ROAD
POWELL, TN 37849
CONTACT: MR JIM HEATHERLY
PHONE: (865) 947-8260
EMAIL: JIMHEATHERLY@MSN.COM

PHONE:
SPRINT
411 HUGER STREET
COLUMBIA, SC 29201
CONTACT: MR STEVE THOMPSON
PHONE: (678) 852-2726
EMAIL: STEVE.R.THOMPSON@SPRINT.COM

PHONE:
WINDSTREAM KDL INC.
548 YORK ROAD
CLEVELAND, TN 37323
CONTACT: MANAGER RALPH TURNER
PHONE: (812) 259-1559
EMAIL: RALPH.TURNER@WINDSTREAM.COM

WATER:
CRAB ORCHARD UTILITY DISTRICT
2089 EAST 1ST STREET
CROSSVILLE, TN 38555-4659
CONTACT: MR EVERETT BOLIN
PHONE: (931) 484-6987
EMAIL: EBOLIN.COUD@FRONTEIRNET.NET

WATER:
CITY OF CROSSVILLE
392 NORTH MAIN STREET
CROSSVILLE, TN 38555-4232
CONTACT: MR TIM BEGLEY
PHONE: (931) 456-5680
EMAIL:

WATER:
CROSSVILLE/CATOOSA WATER DEPARTMENT
392 NORTH MAIN STREET
CROSSVILLE, TN 38555-4232
CONTACT: MR JEFF JOHNSON
PHONE: (931) 277-5126
EMAIL: JEFF.JOHNSON@CROSSVILLETN.GOV

WATER:
GRANDVIEW UTILITY DISTRICT
178 DURHAM LANE
GRANDVIEW, TN 37337
CONTACT: MR RICK BILBREY
PHONE: (931) 335-2018
CELL: (931) 544-0975

WATER:
SOUTH CUMBERLAND UTILITY DISTRICT
139 UTILITY DRIVE
CROSSVILLE, TN 38555
CONTACT: MR JACK DAVIS
PHONE: (931) 788-2612
EMAIL: SCUD@FRONTIERNET.NET

WATER:
WEST CUMBERLAND UTILITY DISTRICT
PO BOX 94
PLEASANT HILL, TN 38578
CONTACT: MR KYLE DAVIS
PHONE: (931) 277-5376

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

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

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP- 28(32)	3A
PIH	2026	STP/NH/HPP- 28(32)	3A
PS&E	2026	STP/NH/HPP- 28(32)	3A

REV. 01-11-22: UPDATED OWNERS FOR TRACTS 22, 23 & 40. UPDATED DEED BOOK & PAGE FOR TRACTS 22, 23, 24, 26, 27, 31 & 33. UPDATED ACREAGE ON TRACTS 23, 33, 39 & 47. STRIKED THROUGH TRACTS 33, 40 & 48.

REV. 02-14-24: REMOVED TRACTS 40 & 48. COMBINED TRACTS 46 & 49. UPDATED TEMPORARY CONSTRUCTION EASEMENT AREA TO TRACT 47 FOR COMBINATION W/ TRACT 48. ADDED TOTAL AREA LEFT FOR TRACT 50.

REV. 07-16-24: UPDATED TRACT 39 PROPERTY OWNER, DEED BOOK, & PAGE.

REV. 01-15-26: STRIKED THROUGH TRACT 23. REMOVED STRIKE THROUGH FROM TRACTS 26 AND 28 AND ADDED PERMANENT DRAINAGE EASEMENT AREAS. ADDED TRACT 36 PERMANENT DRAINAGE EASEMENT AREA.

REV. 03-16-26: ADDED TRACT 36-S. STRIKED THROUGH TRACTS 26 & 28. UPDATED TRACT 36 PERMANENT DRAINAGE EASEMENT. UPDATED TRACT 37 AQUIRED AREA. UPDATED TRACT 28 OWNER NAME & PARCEL NO.

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.	
~~19~~	~~HUEL S. NEAL AND WIFE HATTIE~~	~~38~~	~~49~~	~~381~~	~~243~~	~~86.714~~	~~5.873~~	~~92.587~~				~~86.714~~	~~5.873~~				(1)
~~20~~	~~JOHN T. BROWN AND WIFE IDEL I.~~	~~38~~	~~45~~	~~1170~~	~~710~~		~~1.000~~	~~1.000~~					~~1.000~~				
~~21~~	~~BETTY MYERS~~	~~38~~	~~44~~	~~269~~	~~26~~		~~8.936~~	~~8.936~~					~~8.936~~				
~~22~~	~~DEANN J. STONE, MELISSA GAIL STACK, AND TRACEY LEVON BALDWIN~~	~~38~~	~~28~~	~~1290~~	~~2122~~		~~50.757~~	~~50.757~~					~~50.757~~				
~~23~~	~~JOHN ALEXANDER TEEPLE~~	~~38~~	~~27~~	~~1464~~	~~676~~		~~48.557~~	~~48.557~~					~~48.557~~				
~~24~~	~~DENNIS BRANSTETTER AND WIFE MARGARET BRANSTETTER~~	~~38~~	~~18~~	~~1532~~	~~912~~	~~3.731~~		~~3.731~~				~~3.731~~					
~~25~~	~~DENNIS LEE BRANSTETTER AND WIFE MARGARET~~	~~38~~	~~18.03~~	~~1022~~	~~1734~~	~~2.571~~		~~2.571~~				~~2.571~~					
~~26~~	~~JAMES M. WICKER AND WIFE RENEE J.~~	~~38~~	~~25.03~~	~~1245~~	~~2217~~	~~0.603~~	~~4.552~~	~~5.155~~				~~0.603~~	~~4.552~~				
~~27~~	~~VAN A. LOCKE AND WIFE GEORGIA B.~~	~~38~~	~~19.00~~	~~1504~~	~~1802~~	~~2.724~~		~~2.724~~				~~2.724~~					
~~28~~	~~JAMES M. WICKER AND WIFE RENEE J.~~	~~38~~	~~25.03~~	~~1219~~	~~1635~~	~~0.618~~	~~4.363~~	~~4.981~~				~~0.618~~	~~4.363~~				
~~29~~	~~GEORGIA LOCKE~~	~~38~~	~~18.02~~	~~305~~	~~39~~	~~2.349~~		~~2.349~~				~~2.349~~					
~~30~~	~~VAN A. LOCKE AND WIFE GEORGIA B.~~	~~38~~	~~19~~	~~71~~	~~391~~	~~4.756~~		~~4.756~~				~~4.756~~					
~~31~~	~~PHILIP J. COUDRIET AND WIFE TERRI L.~~	~~38~~	~~25.02~~	~~1553~~	~~555~~	~~0.605~~	~~4.447~~	~~5.052~~				~~0.605~~	~~4.447~~				
~~32~~	~~VAN A. LOCKE AND WIFE GEORGIA B.~~	~~38~~	~~20~~	~~1166~~	~~2498~~	~~4.760~~		~~4.760~~				~~4.760~~					
~~33~~	~~AVERY CONLEY AND WIFE MICHELLE~~	~~38~~	~~22~~	~~1592~~	~~1627~~	~~5.116~~		~~5.116~~				~~5.116~~					
34	LINDA L. PRICHETT	38	24.02	482	85	0.259	0.739	0.998	0.259	0.739	0.998						
35	GENE BEYER AND WIFE LENOR A.	38	24.04	1050	1033		0.718	0.718		3304 S.F.	3304 S.F.		0.642				
36	CAROLYN LIGGETT AND WILMA WILLIAMS	38	24.05	1102	301	0.571	4.812	5.383	0.571	1.173	1.744		3.639	1143			
36-S	CAROLYN LIGGETT AND WILMA WILLIAMS	38	24.05	1102	301			3.639					3.639	1837			(3)
37	AVRON TRUSS CO.	38	21	220	23	4.880		4.880	0.125		0.125	4.755					
38	GENE BEYER AND WIFE LENOR A.	38	24	1429	233	0.478	0.727	1.205	0.478	0.727	1.205						
39	ROBERT LYNN BRADLEY	27	89	1674	113	5.538		5.538	0.279		0.279	5.259					
41	GENE BEYER AND WIFE LENOR A.	27	90.03	1085	1440	0.218	0.969	1.187	0.218	0.436	0.654		0.533	547			
~~42~~	~~JOHNNY NORRIS AND WIFE CHRISTY~~	~~27~~	~~90~~	~~456~~	~~26~~		~~0.717~~	~~0.717~~					~~0.717~~				
43	MICHAEL ROSE AND WIFE REBECCA	27	90.02	1073	1	0.293	0.801	1.094	0.293	0.801	1.094						
44	BOBBY J. HARVEL SR.	27	88	464	246	4.880		4.880	0.250		0.250	4.630					
45	FIRST MISSIONARY BAPTIST CHURCH OF ISOLINE	27	90.01	227	423	0.200	0.743	0.943	0.200	0.319	0.519		0.424				
46	AVERY LEE CONLEY AND WIFE MICHELLE	27	87 85	1158 1203	2052 1657	15.007		15.007	1.444		1.444	13.563				0.109 AC	(2)
47	EARL B. SEVIER	27	91	1514	659	0.289	47.484	47.773	0.289	0.754	1.043		46.730			0.037 AC	(2)
~~49~~	~~AVERY CONLEY AND WIFE MICHELLE~~	~~27~~	~~85~~	~~1203~~	~~1657~~	~~0.273~~		~~0.273~~	~~0.273~~		~~0.273~~						
50	FIRST MISSIONARY BAPTIST CHURCH OF ISOLINE	27	92	176	40	996 S.F.	0.863	0.886	996 S.F.	0.269	0.292		0.594			0.029 AC	

(1) FOR WORKING ROOM DURING CONSTRUCTION
(2) FOR STRUCTURE REMOVAL
(3) TRACT 36-S, ADDED PERM. DRAINAGE EASEMENT (ONLY)

DISTURBED AREA	
IN BETWEEN SLOPE LINES	68.43 (AC)
15 FOOT WIDE STRIP (OUTSIDE SLOPE LINES)	20.29 (AC)
TOTAL DISTURBED AREA	88.72 (AC)
TOTAL PROJECT AREA (DISTURBED + UNDISTURBED)	130.22 (AC)

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY ACQUISITION TABLE

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP- 28(32)	3B
PIH	2026	STP/NH/HPP- 28(32)	3B
PS&E	2026	STP/NH/HPP- 28(32)	3B

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. (1)	
51	JAMES A. HILTON AND WIFE, REBECCA L. HILTON	27	93	1580	1262		11.444	11.444		2005 S.F.	2005 S.F.		11.398				
52	TERRY L. KOPSIE	27	84	1374	2261	3.997	50 S.F.	3.998	1.229	50 S.F.	1.230	2.768				1350 S.F.	
53	JORDAN WINNINGHAM AND MARY ELIZABETH WINNINGHAM, HUSBAND AND WIFE	27	84.04	1426	952	2.038		2.038	707 S.F.		707 S.F.	2.022					
54	DENTON SHARP, ET. AL	27	94	1501	762		0.706	0.706		0.126	0.126		0.580				
55	JASON WILLIAMS	27	83.01	1634	174	0.219	2520 S.F.	0.277	0.219	2520 S.F.	0.277						
56	WILLIAM L. BARNWELL, PAUL BARNWELL, WILLIAM RAY BROWN	27	83	1607	316	4.973	0.461	5.434	1.271	0.461	1.732	3.702	0 S.F.			0.298 AC	(3)
57	CHRISTOPHER MILLER	27	95	1360	216		2.370	2.370		0.102	0.102		2.268				
58	CLIFFARD T. BEGLEY JR. AND AUTUMN ANDRALE KELSO BEGLEY	27	96	1449	901		0.919	0.919		2204 S.F.	2204 S.F.		0.868				
59	EARNEST LEE BEGLEY JR., ERICH LEE BEGLEY AND EMILY KAY BEGLEY	27	96.01	1014	678		1.676	1.676		1872 S.F.	1872 S.F.		1.633				
60	JOSH SHERRILL	27	82	1507	1660	0.633	0.179	0.812	0.240	0.179	0.419	0.393				0.079 AC	(2)
61	DAMON ALLRED AND WIFE, MELISSA ALLRED	27	81	1599	1405	1.288	0.513	1.801	0.509	0.513	1.022	0.779					
~~62~~	~~ELIZABETH P. HENRY~~	~~27~~	~~80~~	~~1204~~	~~965~~	~~2.154~~		~~2.154~~				~~2.154~~					
63	DALLAS MICHAEL COX	27	97	473	320		2.385	2.385		0.216	0.216		2.169				
64	LARRY R. WEST	27	78.02	1399	505	19.944	3.609	23.553	2.211	2.850	5.061	17.733	0.759	0.042 AC		0.357 AC	
65	JESSY L. KECK AND WIFE LILA F.	27	98	1170	1004		3.567	3.567		0.642	0.642		2.925			0.047 AC	(2)
66	SETH DAVENPORT	27	99	1637	28		3.002	3.002		0.373	0.373		2.629			0.101 AC	(2)
67	M.C. DECK JR. AND WIFE, ANNA RUTH DECK	27	100.01	1228	786		2.514	2.514		2445 S.F.	2445 S.F.		2.458				
~~68~~	~~M.C. DECK JR. AND WIFE, ANNA RUTH DECK~~	~~27~~	~~101~~	~~1538~~	~~1010~~		~~25.350~~	~~25.350~~					~~25.350~~				
69	THE GLORIA SMITH REVOCABLE LIVING TRUST	27	46.02	1674	989		2.732	2.732					2.732			0.012 AC	
70	CLAUDIA H. GOIN	27	47.13	1616	1781		0.935	0.935		0.935	0.935						
71	JASON S. SHARP	27	47.07	1364	1097	4.240	0.438	4.678	1.186	0.438	1.624	3.054					
72	MARY LOU BILBREY	27	46.01	1590	1846		4.504	4.504		924 S.F.	924 S.F.		4.483				
73	GARY SHARP AND WIFE BRENDA	27	47	1088	1965	2.017	0.199	2.216	1.788	0.199	1.987	0.229					
8073	STATE OF TENNESSEE	27	47	1088	1965	0.229		0.229				0.229					
74	BRENDA JOYCE SHARP	27	47.02	1258	1490	3.212		3.212	0.641		0.641	2.571					
75	LOUIS E. FRANKLIN AND ELSIE M. FRANKLIN, (WIFE)	27	46	1366	398	0.105	5.195	5.300	0.105	0.758	0.863		4.437				
76	CLAUDIA H. GOIN	27	48.03	1616	1781	6.004		6.004	0.151		0.151	5.853					
77	LOUIS E. FRANKLIN AND ELSIE M. FRANKLIN, (WIFE)	27	45	1656	2445	0.174	6.219	6.393	0.174	0.799	0.973		5.420				
78	PORTER DOUGLAS AND COOK CHERI	27	48.04	1218 1359 1500	1229 1045 1936	3.393		3.393	3124 S.F.		3124 S.F.	3.321					
79	JOHN M. DECK AND WIFE BONITA S.	27	44.01	1010	1915	3742 S.F.	0.904	0.990	3742 S.F.	0.393	0.479		0.511				
80	JOHN MICHAEL DECK	27	44	321	501	3885 S.F.	7.164	7.253	3885 S.F.	0.415	0.504		6.749			0.009 AC	(2)
81	GENE BARRINGER AND WIFE MARGIE	27	48.01	1345	790	5.382		5.382	0.186		0.186	5.196					
82	CLAUDIA H. GOIN	27	43	1616	1781	0.450	14.373	14.823	0.450	1.757	2.207		12.616				
83	RONALD FRANK WEBB	27	49.01	467	411	0.704		0.704	3599 S.F.		3599 S.F.	0.621					
84	CHARLOTTE J. JONES	27	42	1518	762	0.502	0.529	1.031	0.502	0.529	1.031						
85	ANJANETTE CONLEY	27	49.02	1467	762	9.628		9.628	0.211		0.211	9.417					
86	LAWRENCE PEIPER AND WIFE TERRY PEIPER	27	41	1485	1519	0.912	67.705	68.617	0.912	2.053	2.965		65.652			0.083 AC	(2)
87	LAWRENCE PEIPER AND WIFE TERRY PEIPER	27	38	1485	1519	1.295	10.670	11.965	1.295	0.938	2.233		9.732			0.051 AC	(2)
88	TWANA A. REAGAN	27	104	491	755	6.216		6.216			✳	6.216					
~~89~~	~~LAWRENCE PEIPER AND WIFE TERRY PEIPER~~	~~27~~	~~36~~	~~1485~~	~~1519~~	~~0.589~~	~~0.415~~	~~1.004~~	~~0.589~~	~~0.412~~	~~1.001~~		~~113 S.F.~~				
90	DAVID JUDD	27	37.01	1723	1661	2422 S.F.	0.949	1.005	2422 S.F.	1551 S.F.	3973 S.F.		0.913				
91	DAVID JUDD OR DEBORAH MARIE SMITH	27	37	1606 1616	1836 1903	0.512	13.237	13.749	0.512	0.375	0.887		12.862				
92	PALMA STOUT	18	67	1354 1354	269 271	222.577		222.577	0.184		0.184	222.393					
93	MURRELL THOMAS BRADY	27	35	1379	1526	1.350	19.424	20.774	1.350	1.053	2.403		18.371				
94	JAMES C. HOWARD AND WIFE EMMA J.	27	34	1228	1990	0.277	6.255	6.532	0.277	0.399	0.676		5.856				
95	GROVER ATKINSON AND WIFE WANDA	27	33	55	435	0.321	21.127	21.448	0.321	1.008	1.329		20.119				
96	PALMA STOUT	18	67	1354	271	0.121		0.121	0.121		0.121						
97	JOSHUA CASTLEN	27	31.00	1654	1428	2.164		2.164			✳	2.164					
98	AVIAGEN INC.	27	30.01	1604	2100	2.659	1.244	3.903	2.659	1.244	3.903						
99	JAMES HOWE AND WIFE LILLIAN B.	27	32	430	103		18.527	18.527		0.412	0.412		18.115				
100	PAUL VICKERS	27	30.02	1180	1922	1.236	0.580	1.816	1.236	0.580	1.816						

(1) FOR WORKING ROOM DURING CONSTRUCTION
(2) FOR STRUCTURE REMOVAL
(3) 648 S.F. FOR STRUCTURE REMOVAL

REV. 02-09-21: ADDED INCIDENTAL DAMAGES FOOTNOTE TO TRACTS 88,92,& 97. REMOVED STRIKE THROUGH FROM THESE TRACTS.
REV. 01-11-22: UPDATED OWNERS, DEED BOOK & PAGE FOR TRACTS 51,52,53,55,56,61,66, 68,75,78,91,92&97. UPDATED DEED BOOK & PAGE FOR TRACT 84. UPDATED OWNER FOR TRACT 67. UPDATED ACREAGE ON TRACTS 87, 97 & 100. STRIKED THROUGH TRACT 89.
REV. 02-14-24: UPDATED PROPERTY OWNER FOR TRACTS 52,55,56,66,70,76,82,& 97. UPDATED BOOK & PAGE NUMBERS FOR TRACTS 52,55,70,76,82,&97. REVISED TRACT 64 PARCEL NUMBER & ADDED DRAINAGE EASEMENT. REVISED TRACT 65 CONSTRUCTION EASEMENT. REVISED TRACTS 69, 72, & 97 TOTAL AREAS. UPDATED TRACT 70 PARCEL NO.
REV. 04-01-24: UPDATED DEED BOOK & PAGE FOR TRACT 66. UPDATED ACQ. ACREAGE ON TRACT 81 & REMOVED CONSTRUCTION EASEMENT.
REV. 07-16-24: UPDATED TRACT 56 CONST. EASE.ADDED TRACT 52 CONST. EASE.
REV. 10-29-24: UPDATED PROPERTY OWNER NAMES FOR TRACTS 69,70&77. UPDATED DEED REFERENCES ON TRACTS 69,72,74,&77. UPDATED TOTAL ACREAGE AND REMAINING ACRES ON TRACTS 68,69,72,74,75,77,79,84,86,90, &91.ACQUIRED AREAS UPDATED FOR TRACTS 72, 75,77,&79. CORRECTED STRIKE THROUGHS. UPDATED TRACT 52 ACQ'D & EASEMENT ACRES.
REV. 12-16-24: UPDATED TOTAL ACREAGE, REMAINING ACRES, AND ACQUIRED AREAS FOR TRACT 80.
REV. 04-01-25: REVISED TRACT 78 OWNER INFORMATION.
REV. 07-03-25: REVISED TRACT 84 REMAINING ACRES. REVISED TRACT 75 TOTAL & REMAINING ACRES. REMOVED TRACT 76 TEMP. CONST. ESMT.
REV. 10-20-25: REVISED TRACT 52 ACQ'D ACRES. REVISED TRACT 52 EASEMENT UNITS OF MEASURE. REVISED TRACT 75 & 77 AREA REMAINING LEFT. UPDATED TRACT 90 OWNER & TRACT INFORMATION.
REV. 03-16-26: REVISED TRACT 92 ACQ. ACRES.
REV. 05-06-26: ADDED TRACT 8073.

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RICHARD R. HOLT REGISTERED ENGINEER 05.20.26 COMMISSIONER 10459 STATE OF TENNESSEE

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. (1)	
101	WILLIAM E. BAUCUM AND WIFE VICTORIA Y. BAUCUM	27	30.03	1643	465	1.793	0.190	1.983	1.346	0.190	1.536	0.447					
8101	STATE OF TENNESSEE	27	30.03	1643	465	0.447		0.447				0.447					
102	RUSSELL SMITH AND WIFE CAROL SMITH	18	77.03	1643	103	1.954		1.954	0.336		0.336	1.618					
103	DOUGLAS S. CLARKSON AND WIFE ALEXANDRA	18	77.06	1220	864	0.107	2.240	2.347	0.107	0.929	1.036		1.311				
104	HOWARD D. MILLER AND WIFE SHARON M.	18	77.04	1217	1225	1.555		1.555	0.444		0.444	1.111					
105	RENEE PYLE AND CHARLOTTE M. JONES	18	77.01	1412	188	1.072	3.660	4.732	1.072	1.465	2.537		2.195			0.021 AC	
106	JACK W. REEDS AND SANDRA D. REEDS, HUSBAND AND WIFE	18	77	1596	1574	3.336		3.336	1.552		1.552	1.784					
107	BRETT PHILLIPS AND WIFE CHELSEA	27	32.01	1512	716	0.417	30.894	31.311	0.417	0.374	0.791		30.520			0.013 AC	
~~108~~	~~UNUSED~~																
109	GREG P. AND TERI A. TRANTANELLA	18	76.01	1613	253	0.506	21.025	21.531	0.506	1.075	1.581		19.950			0.024 AC	
110	CARL S. BRADY AND WIFE JOANNA	18	79	508	510	2.300	7.295	9.595	2.300	2.359	4.659		4.936			0.580 AC	(4)
111	CARL S. BRADY AND WIFE JOANNA	18	79	508	510	14.903		14.903			*	14.903					
112	REUEL T. ISHAM JR. AND WIFE JUDY K.	18	70	1343	968	9.759		9.759			*	9.759				0.338 AC	(3)
113	RAY ENGLAND AND WIFE JOYCE	18	71	171	85	1.719	10.990	12.709	1.719	3.451	5.170		7.539				
114	JOHN F. WEAVER AND WIFE CYNTHIA	18	70.01	1450	2068	6.561		6.561	0.151		0.151	6.410					
115	STANLEY H. BALDWIN AND WIFE TRACY L.	18	66	1056	1818	203.618		203.618	1961 S.F.		1961 S.F.	203.573					
116	JASON S. SHARP, PERSONAL REPRESENTATIVE OF ANGIE DENISE SHARP'S WILL	18	70.03	1390	872	0.967		0.967	2686 S.F.		2686 S.F.	0.905					
117	JACQUELINE M. TRUDELLE, UNMARRIED, AND PAUL NEWTON, UNMARRIED, AS TENANTS IN COMMON WITH RIGHTS OF SURVIVORSHIP	18	70.02	1633	258	10.247		10.247	0.192		0.192	10.055					
119	EVA L. MATTHEWS	18	69.02	454	166	0.622		0.622	3514 S.F.		3514 S.F.	0.541					
120	DONALD L. BRADY AND WIFE DONNA K.	18	69	1378	2036	0.910	4.355	5.265	0.910	1.714	2.624		2.641				
121	COURTNEY GRACE ALLRED	18	69.03	1618	1960	14.758		14.758	0.280		0.280	14.478					
122	ENRIQUE J. MENDEZ AND WIFE JOSEFINA GONZALEZ AND FRANCISCO A. CHAVES	18	34.03	1789	1755	7.522		7.522	0.109		0.109	7.413					
123	LYNN CAREY	18	34.01	1592	2137	1.127	2.964	4.091	1.127	1.841	2.968		1.123				
124	ENRIQUE J. MENDEZ AND WIFE JOSEFINA GONZALEZ AND FRANCISCO A. CHAVES	18	34.04	1654	2380	7.356		7.356	0.102		0.102	7.254					
125	GARY DOUGLAS RICHARDSON AND WIFE, AMIE LEAH RICHARDSON	18	34.05	1538	1370	5.070		5.070	0.120		0.120	4.950					
126	RINNIE VOLUNTEER FIRE DEPT. % PASSMAN SLAVIUS	18	34.02	397	319	0.264	1459 S.F.	0.297	0.264	1459 S.F.	0.297						
127	BENNIE A. BROWN AND WIFE GINGER L. BROWN	18	34.12	1663	1686	6.638		6.638	2260 S.F.		2260 S.F.	6.586					
~~128~~	~~GARRY MCNABB, ET. AL.~~	~~18L~~	~~A 001.00~~	~~1689~~	~~1559~~	~~0.154~~	~~2.419~~	~~2.573~~	~~0.154~~	~~0.691~~	~~0.845~~		~~1.728~~				~~(5)~~
~~129~~	~~BENNIE A. BROWN, AND WIFE, MARGIE BROWN~~	~~18~~	~~25.00~~	~~193~~	~~435~~	~~4.345~~		~~4.345~~			*	~~4.345~~					
~~130~~	~~JANELLE M. COOK AND ODES L. COOK~~	~~18~~	~~24.00~~	~~1316~~	~~455~~	~~0.432~~	~~0.582~~	~~1.014~~				~~0.432~~	~~0.582~~				
39A	BOBBY L. BAISLEY, DAMON ALLRED, AND LYNN DECK, TRUSTEE OF THE ISOLINE BAPTIST CHURCH (ONE AND THE SAME ENTITY AS THE ISOLINE MISSION)	27	89.01	1399	1298	5.014		5.014	0.220		0.220	4.794				0.034 AC	(2)
51A	CARL NORRIS	27	93.02	1579	2362		0.937	0.937		0.305	0.305		0.632			0.032 AC	(2)
64A	JEANINE L. WEST POTTER	27	78.00	1424	2375	0.165	2.561	2.726	0.165	1.597	1.762		0.964	0.045 AC		0.068 AC	(2)
~~72A~~	~~FILIPPO S. LIMANDRI AND WIFE, JULIE A~~	~~27~~	~~46.04~~	~~1666~~	~~1002~~		~~2.019~~	~~2.019~~					~~2.019~~				
72B	BOBBY MOORE	27	46.03	1667	453	15 S.F.	2.160	2.160	15 S.F.	0.891	0.891		1.269				
~~134~~	~~MILLARD V. OAKLEY~~	~~18L~~	~~2.00 "A"~~	~~1527~~	~~1344~~	~~0.333~~	~~2.715~~	~~3.048~~				~~0.333~~	~~2.715~~				
131	MARSON O. ROBERSON AND WIFE WANDA FAYE	27	30	1004	982	16.576		16.576			*	16.576				0.021 AC	
132	JEFFREY L. SWIFT AND WIFE, ANTONIA K. SWIFT	18	73.00	1640	2405		102.578	102.578		0.191	0.191		102.387				
~~150~~	~~HAROLD LAVON ALLRED~~	~~038~~	~~028.01~~	~~1305~~	~~1090~~		~~0.620~~	~~0.620~~					~~0.620~~				
~~74A~~	~~LIKES WILLIAM JOSEPH~~	~~027~~	~~047.11~~	~~1668~~	~~1479~~	~~0.821~~		~~0.821~~				~~0.821~~					
~~74B~~	~~BALLEW JAMES ALLEN~~	~~027~~	~~047.11~~	~~1668~~	~~1479~~	~~2.039~~		~~2.039~~				~~2.039~~					

(1) FOR WORKING ROOM DURING CONSTRUCTION
(2) FOR STRUCTURE REMOVAL
(3) FOR INCIDENTAL DAMAGES ONLY
(4) 0.56 AC FOR STRUCTURE REMOVAL
(5) AREAS TO BE ACQUIRED WILL BE ASSIGNED TO ADJACENT CUMBERLAND COUNTY PROJECT PIN 100260.04
* INCIDENTAL DAMAGES - CONTROLLED ACCESS FENCE

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP- 28(32)	3C
PIH	2026	STP/NH/HPP- 28(32)	3C
PS&E	2026	STP/NH/HPP- 28(32)	3C

REV. 02-09-21: ADDED INCIDENTAL DAMAGES FOOTNOTE TO TRACTS 111, 112, 127, 129, & 131. REMOVED STRIKE THROUGH FROM TRACTS 127 & 129.
REV. 01-11-22: UPDATED OWNERS FOR TRACTS 39A & 64A. UPDATED OWNERS, DEED BOOK & PAGE FOR TRACTS 51A, 72B, 101, 102, 106, 109, 123, 125 & 132. UPDATED DEED BOOK & PAGE FOR TRACT 72A. UPDATED ACREAGE ON TRACTS 72A, 113, 125, 131 & 132. REMOVED STRIKE THROUGH FROM TRACT 132. STRIKED THROUGH TRACTS 72A, 118, 127 & 129. ADDED MAP NO. & PARCEL NO. TO TRACTS 72A, 72B & 107. ADDED PARCEL NO. TO TRACTS 39A & 64A. ADDED TRACT 150.
REV. 02-14-24: ADDED TEMPORARY CONSTRUCTION EASMENT TO TRACT 51A. ADDED DRAINAGE EASEMENT TO TRACT 64A. UPDATED PROPERTY OWNER, BOOK & PAGE FOR TRACTS 101, 102, 117, 121, 124, 127, & 132. CORRECTED PROPERTY OWNER NAME ON TRACT 109. INCREASED TRACT 110 CONSTRUCTION EASEMENT. REMOVED TRACT 118. UPDATED TRACTS 121 & 127 PARCEL NUMBER. REVISED TRACTS 72A, 122, 124, 125, 127, 128, & 132 TOTAL AREAS. REVISED TRACTS 125 & 127 ACQUIRED AREAS. CHANGED TRACT 128A TO TRACT 134 & UPDATED AREAS. UPDATED TRACT 131 PARCEL NO., BOOK & PAGE.
REV. 04-01-24: UPDATED TRACT 116 & 117 OWNERS.
REV. 07-16-24: UPDATED TRACT 64A PROPERTY OWNER.
REV. 10-29-24: UPDATED PROPERTY OWNER NAMES, DEED REFERENCES, TOTAL ACREAGE, AND ACRES REMAINING FOR TRACTS 72A & 72B. ADDED TRACTS 74A & 74B. UPDATED ACQUIRED AREA FOR TRACT 72B.
REV. 07-03-25: UPDATED TRACT 127 DEED BOOK AND PAGE. UPDATED TRACT 128 OWNER. UPDATED TRACT 110 CONSTRUCTION EASMENT AREA. ADDED FOOTNOTE 4 TO TRACT 110. STRIKED THROUGH & ADDED FOOTNOTE 5 TO TRACT 128.
REV. 05-06-26: ADDED TRACT 8101.

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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.	2020	STP/NH/HPP- 28(32)	3D
PIH	2026	STP/NH/HPP- 28(32)	3D
PS&E	2026	STP/NH/HPP- 28(32)	3D

REV. 01-11-22: ADDED TRACT 150. ADDED Z-BAR BETWEEN TRACTS 39 & 40, AND 47 & 48. STRIKED THROUGH TRACTS 33, 40 & 48.

REV. 02-14-24: UPDATED TEMPORARY CONSTRUCTION EASEMENT HATCHING & LINESTYLE. REMOVED (C.A.) FENCE (BY OTHERS) REFERENCE PRIOR TO STA. 1299+55.00. REMOVED TRACTS 40 & 48.

REV. 01-15-26: REMOVED TEMP. CONST. EASEMENT AND STRIKED THROUGH TRACT 23. REMOVED STRIKE THROUGH FROM TRACTS 26 AND 28 AND ADDED PERM. DRAINAGE EASEMENT. ADDED PERM. DRAINAGE EASEMENT TO TRACT 36.

REV. 03-16-26: ADDED TRACT 36-S. STRIKED THROUGH TRACTS 26 & 28.

MAYFAIR STA. 180+36.00 =
MAINLINE STA. 1299+55.00
N 636849.9398
E 2245185.3912

PIN 100260.01
END PROJ. NO. STP/NH-28(31);
18008-3221-14 (CONST.)
STA. 298+45.00 S.R. 28 (U.S. 127)
N: 636738.6350
E: 2245060.6105

PIN 100260.01
END PROJ. NO. STP/NH-28(31);
18008-2221-14 (R.O.W.)
STA. 301+50.00 S.R. 28 (U.S. 127)
N: 637051.3087
E: 2245094.8085

PIN 100260.03
BEGIN PROJ. NO. STP/NH/HPP-28(32);
18008-3230-14 (CONST.)
STA. 1282+00.00 S.R. 28
N:635100.2403
E:2245126.0239

PIN 100260.03
BEGIN PROJ. NO. STP/NH/HPP-28(32);
18008-2226-14 (R.O.W.)
STA. 1286+53.01 S.R. 28
N:635551.9504
E:2245093.2012

1280 1285 1290 1295 1300 1305 1310 1315

MATCH LINE STA. 1316+00 SEE SHT. NO. 3E

POND
UNNAMED TRIBUTARY
PERM. DRAINAGE ESMT. (BY OTHERS)
PROP. ROW (BY OTHERS)
PRESENT ROW
WETLAND
P.L. S.R. 28
PROP. ROW (C.A.) & FENCE
PERM. DRAINAGE ESMT.
TEMP. CONST. ESMT.
PROP. ROW
EXIST. ESMT.
MAYFAIR DR.
HUBERT CONLEY

LEGEND

- TEMPORARY CONSTRUCTION EASEMENT
- PERMANENT DRAINAGE EASEMENT
- WETLAND

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RICHARD R. HOLT
REGISTERED ENGINEER
No. 104329
STATE OF TENNESSEE
04.07.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 1282+00 TO STA.1316+00

SCALE: 1"=200'

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP- 28(32)	3E
PIH	2026	STP/NH/HPP- 28(32)	3E
PS&E	2026	STP/NH/HPP- 28(32)	3E

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD. UPDATED PROPOSED R.O.W. TO EXCLUDE TRACT 72A. STRIKED THROUGH TRACT 72A.

REV. 02-14-24: UPDATED TEMPORARY CONSTRUCTION EASEMENT HATCHING & LINESTYLE. COMBINED TRACTS 46 & 49. REVISED TRACT 65 CONSTRUCTION EASEMENT. REVISED TRACTS 72, 72A, & 72B.

REV. 04-01-24: REMOVED TRACT 81 CONSTRUCTION EASEMENT.

REV. 07-16-24: UPDATED TRACT 56 CONSTRUCTION EASEMENT. ADDED TRACT 52 CONSTRUCTION EASEMENT.

REV. 10-29-24: UPDATED PROPERTY LINES ON TRACTS 68, 69, 72, 72A, 72B, 75, 77, 79, 80, & 84. ADDED TRACTS 74A, & 74B. UPDATED TRACT 52 PROPOSED ROW & EASEMENT LINEWORK.

REV. 07-03-25: REMOVED TRACT 76 TEMP. CONST. ESMT.

REV. 05-06-26: ADDED TRACT 8073.

N

LELAND PRYOR STA. 265+56.01 =
S.R. 28 CONST. ℄ STA. 1344+33.00
N 641271.2678
E 2244893.7124

CLEARCREEK STA. 280+84.82 =
S.R. 28 CONST. ℄ STA. 1355+80.00
N 642417.6422
E 2244888.5095

RECTOR STA. 233+63.98 =
S.R. 28 CONST. ℄ STA. 1329+51.00
N 639818.9754
E 2245178.8082

GOSS STA. 240+00.00 =
S.R. 28 CONST. ℄ STA. 1329+51.00
N 639818.9754
E 2245178.8082

BYERS STA. 215+87.10 =
S.R. 28 CONST. ℄ STA. 1316+55.00
N 638542.8901
E 2245340.0505

OLD S.R. 28 SOUTH STA. 300+00.00 =
GOSS STA. 242+05.00
N 639858.3600
E 2245379.7285

MATCH LINE STA. 1316+00 SEE SHT. NO. 3D

MATCH LINE STA. 1363+00 SEE SHT. NO. 3F

LELAND PRYOR

CLEARCREEK RD.

BYERS RD.

GOSS ROAD

RECTOR RD.

OLD S.R. 28

PRESENT ROW

PROP. ROW (C.A.) & FENCE

P.L. & S.R. 28

NO BUSINESS CREEK

UNNAMED TRIBUTARY

POND

WETLAND

PERM. DRAINAGE ESMT.

TEMP. CONST. ESMT.

1320 1325 1330 1335 1340 1345 1350 1355 1360

47 49 50 51 51A 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 72A 72B 73 74 74A 74B 75 76 77 78 79 80 81 82 83 84 85 86 87 8073

LEGEND	
	TEMPORARY CONSTRUCTION EASEMENT
	WETLAND

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
05.20.26
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA.1316+00 TO STA.1363+00

SCALE: 1"=200'

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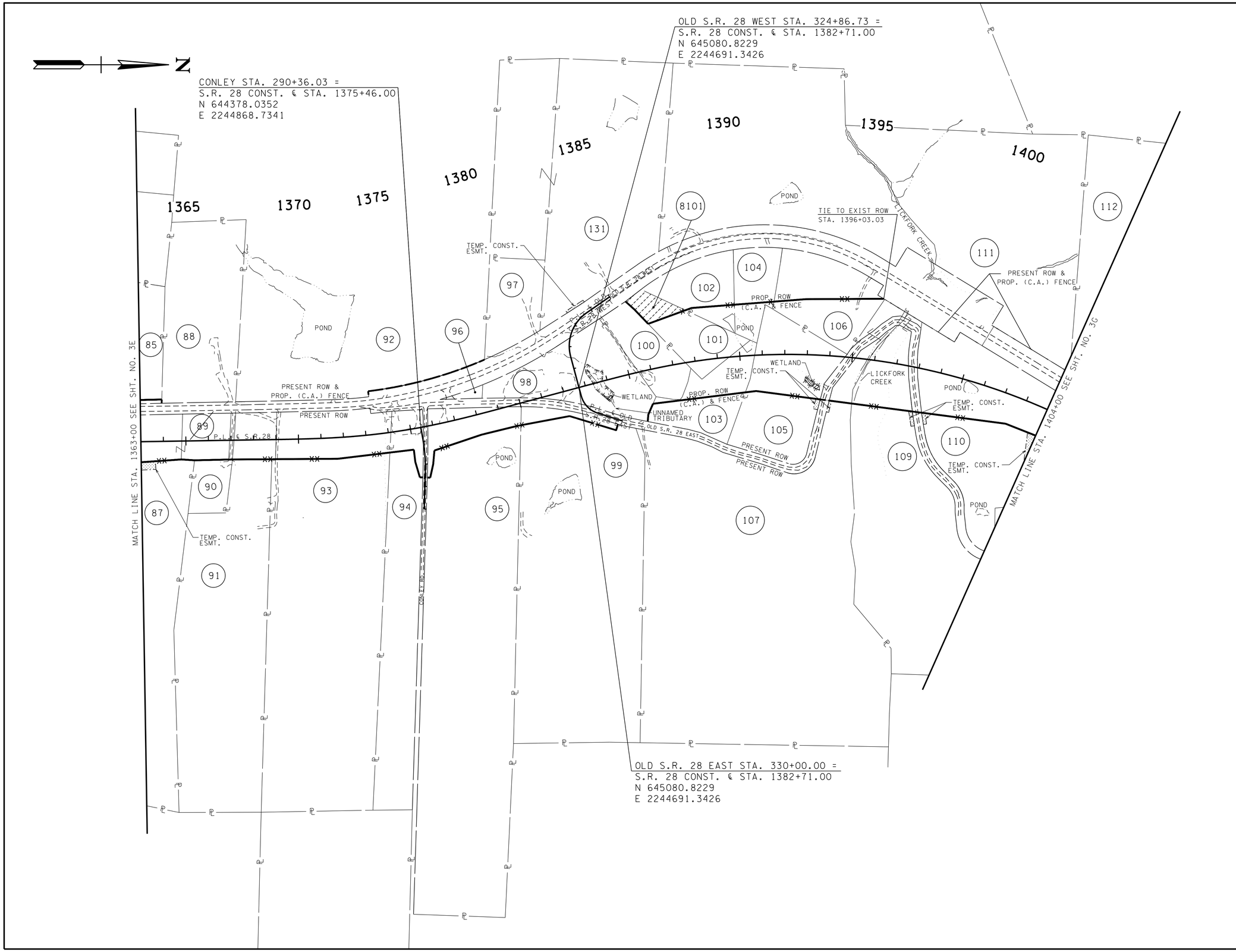
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP- 28(32)	3F
PIH	2026	STP/NH/HPP- 28(32)	3F
PS&E	2026	STP/NH/HPP- 28(32)	3F

REV. 02-09-21: REMOVED STRIKE THROUGH FROM TRACTS 88, 92, & 97. ADDED TRACT NUMBER FOR TRACT 131.
REV. 01-11-22: UPDATED EXISTING R.O.W. ON OLD S.R. 28 NEAR TRACTS 107 & 109. UPDATED PROPERTY LINE BETWEEN TRACTS 97 & 131. ADDED Z-BAR BETWEEN TRACTS 87 & 89. STRIKED THROUGH TRACT 89.
REV. 02-14-24: UPDATED TEMPORARY CONSTRUCTION EASEMENT HATCHING & LINESTYLE. ADDED CONSTRUCTION EASEMENT TO TRACT 110.
REV. 04-01-24: REMOVED TRACT 110 & 111 Z-BAR.
REV. 10-29-24: UPDATED TRACT 90 & 91 PROPERTY LINES.
REV. 07-03-25: REVISED TRACT 110 CONSTRUCTION EASEMENT.
REV. 05-06-26: ADDED TRACT 8101.



LEGEND

TEMPORARY CONSTRUCTION EASEMENT

WETLAND

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RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
05.20.26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA.1363+00 TO STA.1404+00

SCALE: 1"=200'

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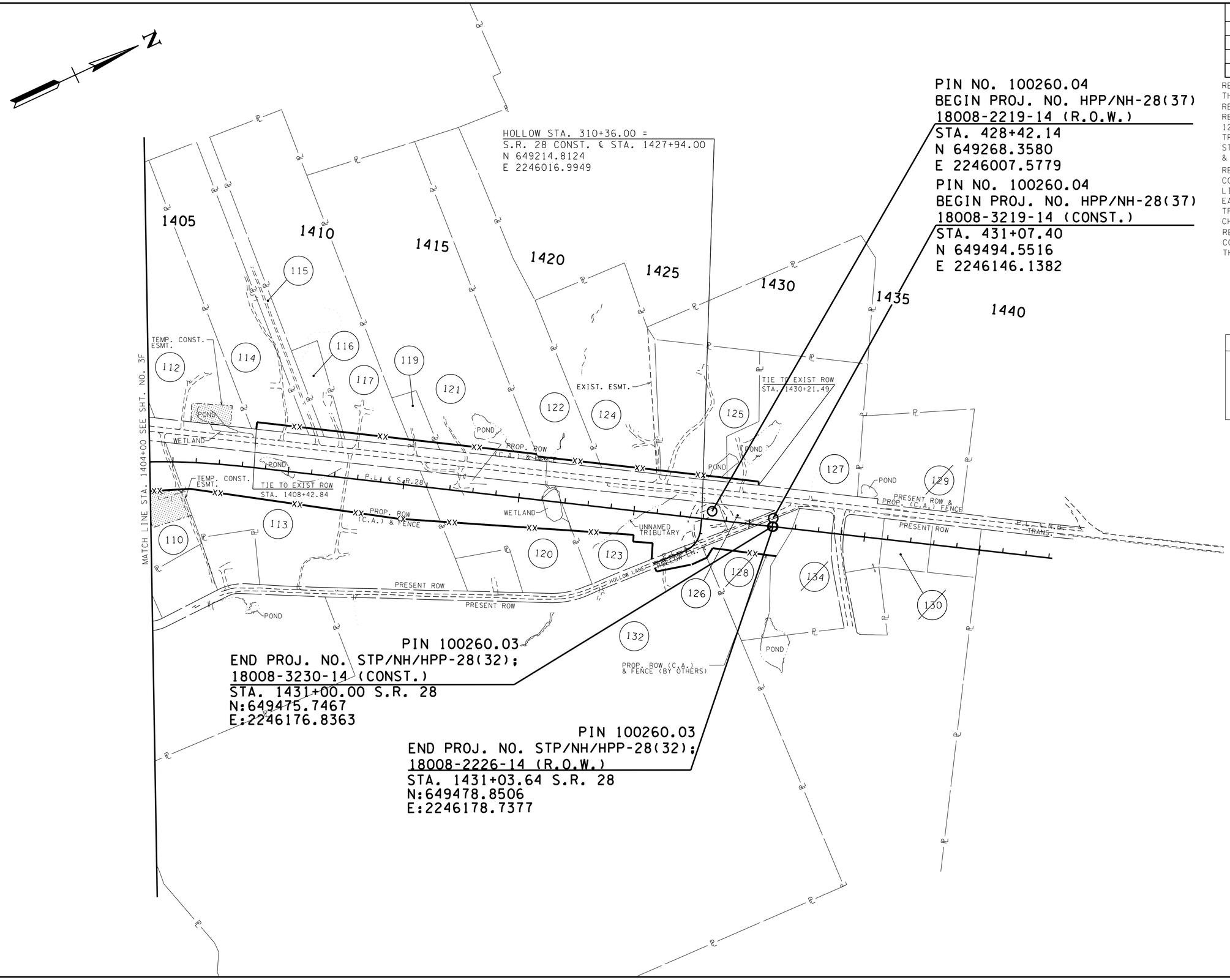
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP- 28(32)	3G
PIH	2026	STP/NH/HPP- 28(32)	3G
PS&E	2026	STP/NH/HPP- 28(32)	3G

REV. 02-09-21: REMOVED STRIKE THROUGH FROM TRACTS 127 & 129.
REV. 01-11-22: CLOSED TRACT 124. REMOVED Z-BAR BETWEEN TRACTS 124 & 125. ADDED Z-BAR BETWEEN TRACTS 113 & 118, AND 125 & 127. STRIKED THROUGH TRACTS 118, 127 & 129. DISPLAYED TRACT NUMBER 132.
REV. 02-14-24: UPDATED TEMPORARY CONSTRUCTION EASEMENT HATCHING & LINESTYLE. ADDED CONSTRUCTION EASEMENT TO TRACT 110. REMOVED TRACT 118.REVISED TRACTS 125 & 127. CHANGED TRACT 128A TO 134.
REV. 07-03-25: REVISED TRACT 110 CONSTRUCTION EASEMENT. STRIKED THROUGH TRACT 128.



LEGEND

TEMPORARY CONSTRUCTION EASEMENT

WETLAND

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RICHARD R. HOLT
REGISTERED ENGINEER
CULTURE
COMMERCE
No. 104529
STATE OF TENNESSEE
06.02.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA.1404+00 TO STA. 1443+15

SCALE: 1"=200'

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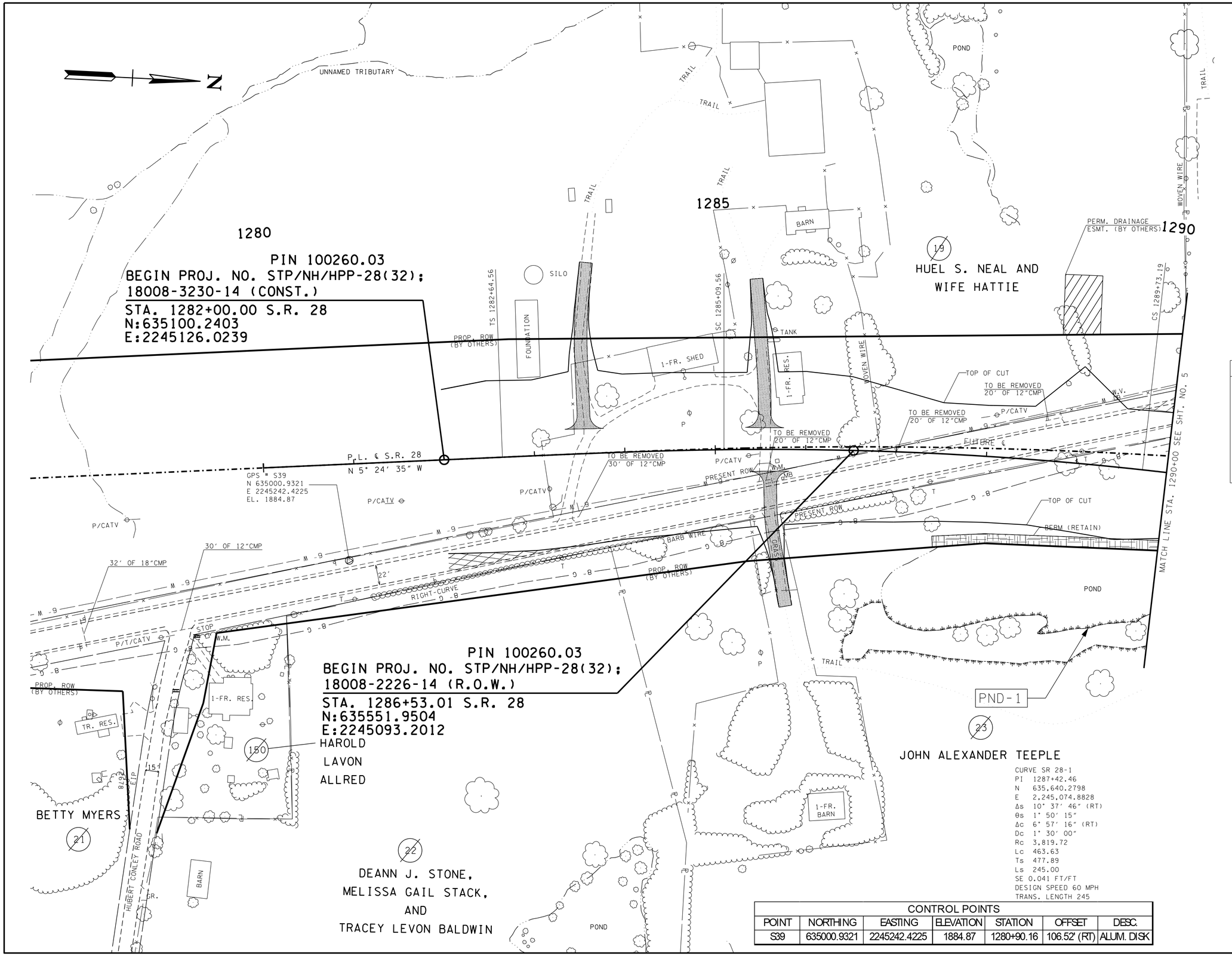
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	4
PIH	2026	STP/NH/HPP-28(32)	4
PS&E	2026	STP/NH/HPP-28(32)	4

REV. 01-11-22: UPDATED OWNERS FOR TRACTS 22 & 23. ADDED TRACT 150.

REV. 02-14-24: UPDATED TEMP. CONST. EASEMENT HATCHING & LINESTYLE.

REV. 01-15-26: REMOVED TEMPORARY CONSTRUCTION EASEMENT AND STRIKED THROUGH TRACT 23.



NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

LEGEND

- AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.
- TEMPORARY CONSTRUCTION EASEMENT
- PERMANENT DRAINAGE EASEMENT

CURVE SR 28-1
PI 1287+42.46
N 635,640.2798
E 2,245,074.8828
Δs 10° 37' 46" (RT)
θs 1° 50' 15"
Δc 6° 57' 16" (RT)
Dc 1° 30' 00"
Rc 3,819.72
Lc 463.63
Ts 477.89
Ls 245.00
SE 0.041 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 245

CONTROL POINTS

POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESC.
S39	635000.9321	2245242.4225	1884.87	1280+90.16	106.52' (RT)	ALUM. DISK

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CULTURE
COMMERCE
No. 104329
STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 1282+00 TO STA. 1290+00

SCALE: 1"= 50'

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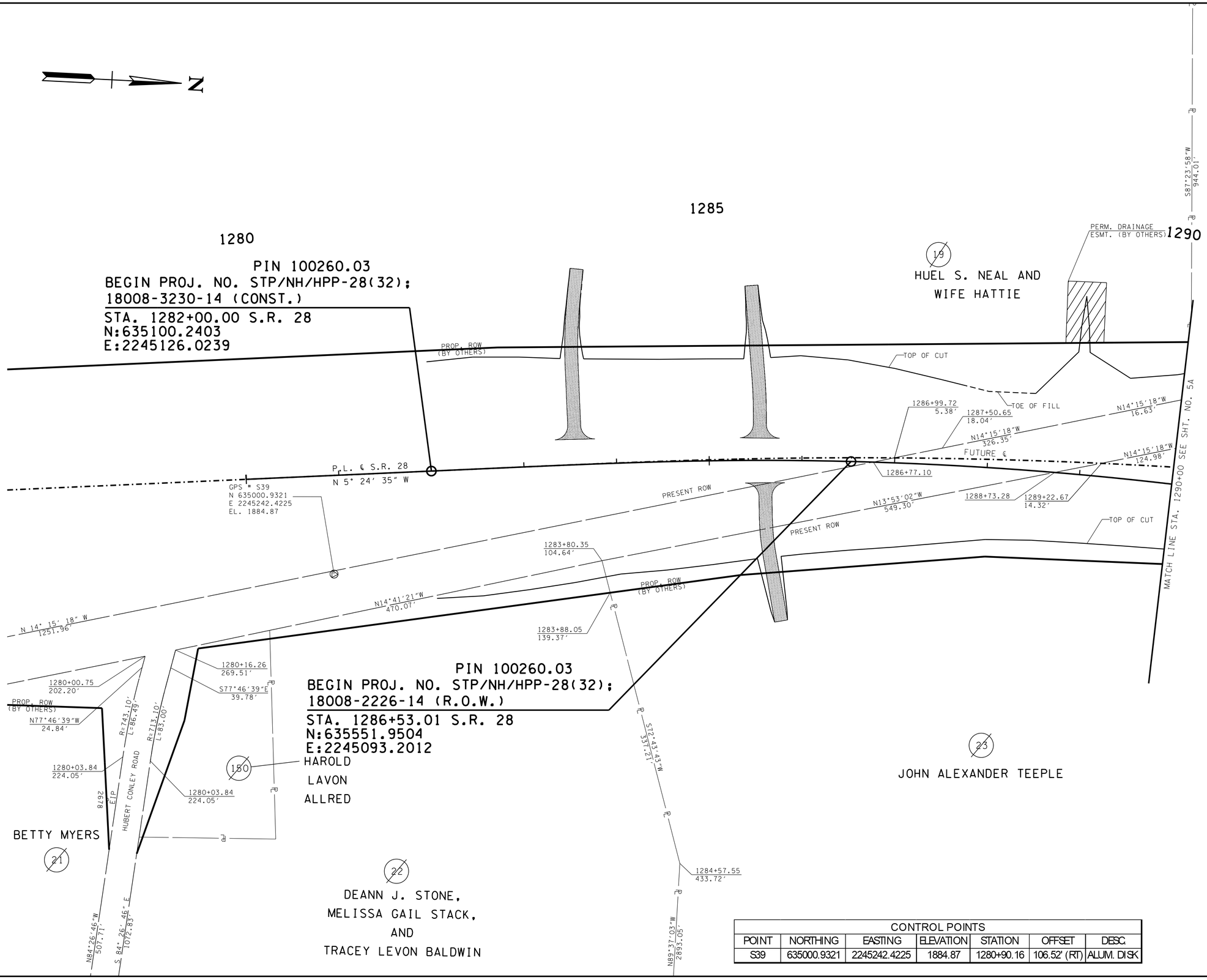
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	STP/NH/HPP-28(32)	4A
PIH	2026	STP/NH/HPP-28(32)	4A
PS&E	2026	STP/NH/HPP-28(32)	4A

REV. 01-11-22: UPDATED OWNERS FOR TRACTS 22 & 23. ADDED TRACT 150.

REV. 02-14-24: UPDATED TEMP. CONST. EASEMENT HATCHING & LINESTYLE.

REV. 01-15-26: REMOVED TEMPORARY CONSTRUCTION EASEMENT AND STRIKED THROUGH TRACT 23.



NOTE:
SLOPE LINES SHOWN TO REPRESENT THE ULTIMATE SECTION

LEGEND

TEMPORARY CONSTRUCTION EASEMENT

PERMANENT DRAINAGE EASEMENT

CONTROL POINTS

POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESC.
S39	635000.9321	2245242.4225	1884.87	1280+90.16	106.52' (RT)	ALUM. DISK

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STATE OF TENNESSEE
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 1282+00 TO STA. 1290+00

SCALE: 1"= 50'

3/30/2026
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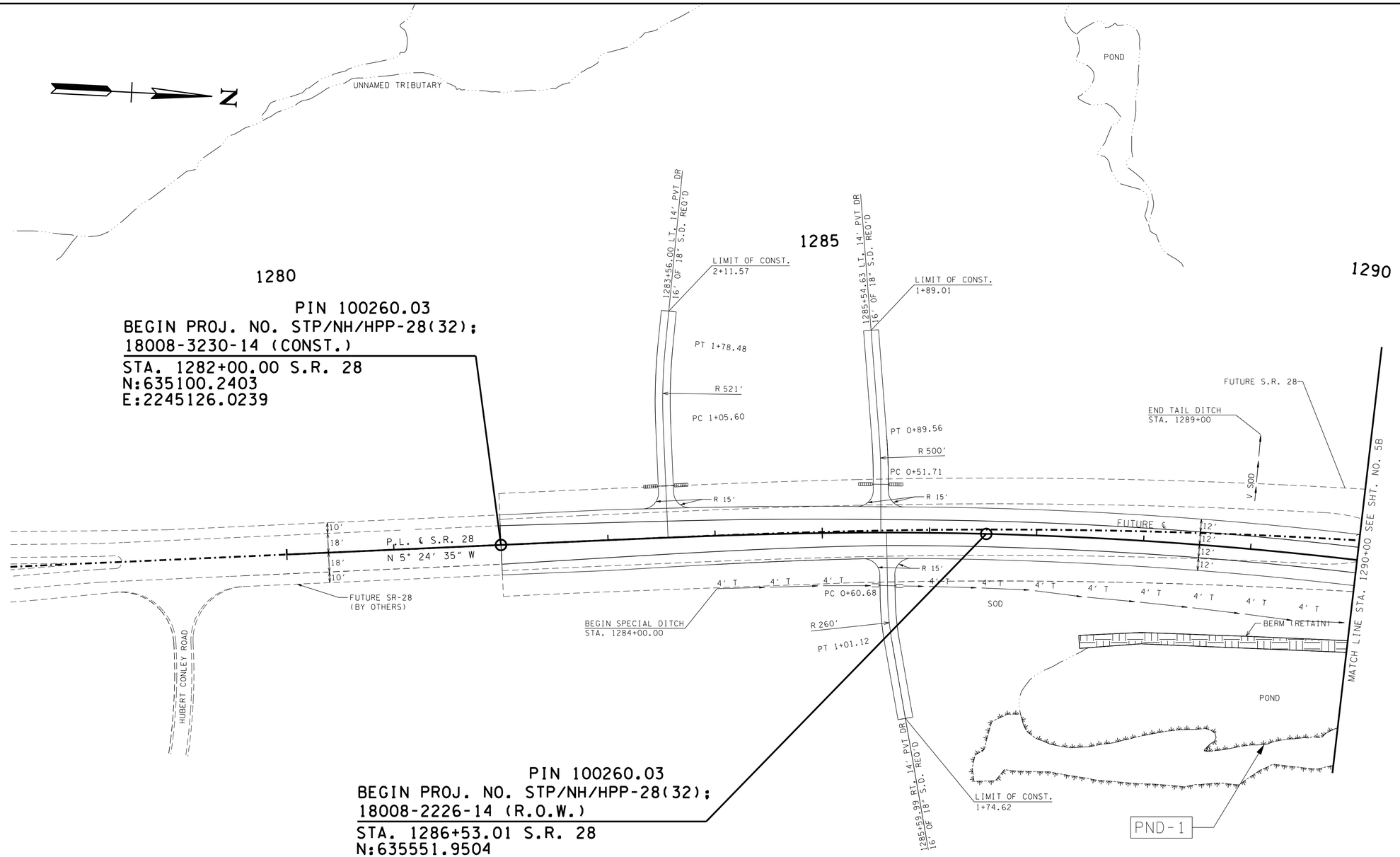
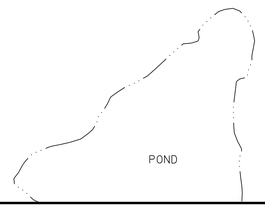
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	4B
PIH	2026	STP/NH/HPP-28(32)	4B
PS&E	2026	STP/NH/HPP-28(32)	4B



PIN 100260.03
BEGIN PROJ. NO. STP/NH/HPP-28(32);
18008-2226-14 (R.O.W.)
STA. 1286+53.01 S.R. 28
N:635551.9504
E:2245093.2012



NOTE:
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY OR EQUIPMENT WILL ENTER ANY PORTION OF PND-1 AND THAT THE FEATURE AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT PERMITTED LOCATIONS.

TRANSITIONS TABLE

LOCATION	STATION		SIDE		OFFSET (FT.)		TYPE	
	FROM	TO	LT	RT	FROM	TO	SHLDR.	PVMT.
S.R. 28	1282+00.00	1283+00.00	X		28	28.33	X	
S.R. 28	1282+00.00	1285+60.00	X		18	12		X
S.R. 28	1282+00.00	1283+00.00		X	28	28.33	X	
S.R. 28	1282+00.00	1285+60.00		X	18	12		X

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 1282+00 TO STA. 1290+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	4C
PIH	2026	STP/NH/HPP-28(32)	4C
PS&E	2026	STP/NH/HPP-28(32)	4C

EXC. (UNCL.) COMMON 364,603 C.Y. (INCL. 23,171 C.Y. TOPSOIL EXC. AREAS & 8,757 C.Y. FROM EMBANKMENT AREAS ; 54,132 C.Y. FROM SIDE ROADS; 9,994 C.Y. UNDERCUTTING) 18,734 C.Y. FROM HAUL ROADS

EXC. EMB. ROCK 223,687 C.Y.

EMB. 161,846 C.Y. (INCL. 2,762 C.Y. FROM SIDE ROADS; 9,994 C.Y. BACKFILLING) 6,468 C.Y. FROM HAUL ROADS

SHR. 10%
SW. 15%

PIN 100260.03
BEGIN PROJ. NO. STP/NH/HPP-28(32);
18008-3230-14 (CONST.)
STA. 1282+00.00 S.R. 28
ELEV. 1876.83

PIN 100260.03
BEGIN PROJ. NO. STP/NH/HPP-28(32);
18008-2226-14 (R.O.W.)
STA. 1286+53.01 S.R. 28
ELEV. 1874.57

XCP S39 (18-127-39)
STA. 1280+90.16, 106.52'(RT)
N 635000.9321
E 2245242.4225
ELEV 1884.87
ALUM. DISK

OH WIRE
STA. 1286+26.51
LOW WIRE EL.1903.20'
4 POWER
2 CABLE

OH WIRE
STA. 1289+06.96
LOW WIRE EL.1893.90'

EXISTING GROUND

FINISHED GRADE

(FUTURE S.R. 28 BY OTHERS)

6" WATER CROSSING
1286+71

VPC 1288+90.08
EL. 1873.38

-0.50%

-0.90% RT

-1.05% RT

SOD

8" GAS CROSSING
1289+15

BEGIN SPEC. DITCH RT
STA. 1284+00.00
EL. 1871.56

VPI RT 1285+50.00
EL. 1870.21

245 FT TRANS.
STA 1282+64.56
SE = N.C.

245 FT TRANS.

245 FT TRANS.
STA 1285+09.56
SE = 0.041

SE = 0.041

245 FT TRANS.
STA 1289+73.19
SE = 0.041

1920 1915 1910 1905 1900 1895 1890 1885 1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825

1280+00 1281+00 1282+00 1283+00 1284+00 1285+00 1286+00 1287+00 1288+00 1289+00 1290+00

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RICHARD R. HOLT
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No. 104329
STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 1282+00 TO STA.1290+00

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

3/30/2026
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NOTE:
1. REMOVE TOP 12 INCHES OF TOPSOIL AND STOCKPILE IT UNTIL CONSTRUCTION IS COMPLETE.
2. ONCE CONSTRUCTION ACTIVITIES ARE COMPLETED, RESTORE ALL TEMPORARY WETLAND IMPACT AREAS TO PRECONSTRUCTION CONDITIONS. THIS INCLUDES REMOVING HAUL ROADS (IF APPLICABLE), RESTORING THE SITE TO THE ORIGINAL (PRECONSTRUCTION) ELEVATION, AND SPREADING STOCKPILED TOPSOIL BACK OVER THE WETLAND SITE.
3. THE AREA OF TEMPORARY IMPACTS WILL BE STABILIZED WITH WETLAND SEED MIXTURE (ITEM NO. 801-01.36) AND VEGETATION ACCORDING TO THE GIVEN PLANTING SCHEME.
4. WETLAND AREA LOCATED OUTSIDE OF THE PROPOSED RIGHT OF WAY AND CONSTRUCTION EASEMENTS ARE TO BE CLEARLY MARKED AND NOT TO BE DISTURBED.

LEGEND	WETLAND IMPACTS	WTL-1	WTL-2	WTL-3
	AREA OF PERMANENT IMPACT	0.071 AC.	0.018 AC.	0.185 AC.
	VOLUME OF PERMANENT IMPACT	115 C.Y.	28 C.Y.	299 C.Y.
	AREA OF TEMPORARY IMPACT	0 AC.	0 AC.	0.113 AC.
	VOLUME OF TEMPORARY IMPACT	0 C.Y.	0 C.Y.	183 C.Y.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	5
PIH	2026	STP/NH/HPP-28(32)	5
PS&E	2026	STP/NH/HPP-28(32)	5

REV. 02-09-21: ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: UPDATED OWNERS FOR TRACTS 23 & 24. STRIKED THROUGH TRACT 33.
REV. 02-14-24: UPDATED TEMP. CONST. EASEMENT HATCHING & LINESTYLE.
REV. 07-16-24: REVISED TRACT 37 END FENCE LABEL.
REV. 10-29-24: TRACT 37 (C.A.) & FENCE REVISED TO BY OTHERS.
REV. 10-29-24: TRACT 37 (C.A.) & FENCE REVISED TO BY OTHERS.
REV. 01-15-26: REMOVED TEMP. CONST. EASEMENT AND STRIKED THROUGH TRACT 23. ADDED PERM. DRAIN. EASEMENT TO TRACTS 26, 28, AND 36. REMOVED STRIKE THROUGH FROM TRACTS 26 AND 28.
REV. 03-16-26:STRIKED THROUGH TRACTS 26 AND 28. UPDATED TRACT 37 PROPOSED ROW LINEWORK. ADDED TRACT 36-S LABEL. UPDATED TRACT 28 OWNER

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

LEGEND
- AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.
- TEMPORARY CONSTRUCTION EASEMENT
- PERMANENT DRAINAGE EASEMENT

DENNIS LEE BRANSTETTER AND WIFE MARGARET (25)
VAN A. LOCKE AND WIFE GEORGIA B. (27)
GEORGIA LOCKE (29)
DENNIS BRANSTETTER AND WIFE, MARGARET BRANSTETTER (24)
VAN A. LOCKE AND WIFE GEORGIA B. (30)
VAN A. LOCKE AND WIFE GEORGIA B. (32)
AVERY CONLEY AND WIFE MICHELLE (33)
AVRON TRUSS CO. (37)
THESE ARE TRACTS FOR MOVING TRUSSES TO TRUCKS
LINDA L. PRICHETT (34)
GENE BEYER AND WIFE LENOR A. (35)
PHILIP J. COUDRIET AND WIFE TERRI L. (31)
JAMES M. WICKER AND WIFE, RENEE J.WICKER (28)
JAMES M. WICKER AND WIFE, RENEE J.WICKER (26)
JOHN ALEXANDER TEEPLE (23)

PIN 100260.01
END PROJ. NO. STP/NH-28(31);
18008-2221-14 (R.O.W.)
STA. 301+81.03 S.R. 28 (U.S. 127)
N: 636072.3819
E: 2245099.7492

MAYFAIR STA. 180+36.00 =
MAINLINE STA. 1299+55.00
N 636849.9398
E 2245185.3912

GPS = S40
N 636198.3641
E 2244974.6222
EL. 1875.40

GPS = S41
N 636887.5668
E 2245098.8460
EL. 1863.33

CURVE SR 28-1
PI 1287+42.46
N 635,640.2798
E 2,245,074.8828
Δs 10° 37' 46" (RT)
θs 1° 50' 15"
Δc 6° 57' 16" (RT)
Dc 1° 30' 00"
Rc 3,819.72
Lc 463.63
Ts 477.89
Ls 245.00
SE 0.041 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 245

CURVE MAYFAIR-1
PI 181+53.90
N 636,839.2142
E 2,245,302.7977
Δ 7° 48' 09" (LT)
D 8° 00' 08"
R 716.00
L 97.50
T 48.83

CURVE MAYFAIR-2
PI 183+21.95
N 636,846.7938
E 2,245,470.8315
Δ 1° 05' 42" (RT)
D 0° 46' 39"
R 7,369.00
L 140.82
T 70.41

CONTROL POINTS						
POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESC.
S40	636198.3641	2244974.6222	1875.40	1292+86.95	150.62' (LT)	ALUM. DISK
S41	636887.5668	2245098.8461	1863.33	1299+84.60	89.61' (LT)	ALUM. DISK

SEALED BY
RICHARD R. HOLT, REGISTERED ENGINEER, 102439, STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 1290+00 TO STA. 1303+00

SCALE: 1"= 50'

3/30/2026
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CONTROL POINTS						
POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESC.
S40	636198.3641	2244974.6222	1875.40	1292+86.95	150.62' (LT)	ALUM. DISK
S41	636887.5668	2245098.8461	1863.33	1299+84.60	89.61' (LT)	ALUM. DISK

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	5A
PIH	2026	STP/NH/HPP-28(32)	5A
PS&E	2026	STP/NH/HPP-28(32)	5A

REV. 02-09-21: ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: UPDATED OWNERS FOR TRACTS 23 & 24. STRIKED THROUGH TRACT 33.
REV. 02-14-24: UPDATED TEMP. CONST. EASEMENT HATCHING & LINESTYLE. REMOVED STATION & OFFSET FROM TRACT 36.
REV. 07-16-24: REVISED TRACT 37 END FENCE LABEL.
REV. 10-29-24: TRACT 37 (C.A.) & FENCE REVISED TO BY OTHERS.
REV. 01-15-26: REMOVED TEMP. CONST. EASEMENT AND STRIKED THROUGH TRACT 23. ADDED PERM. DRAIN. EASEMENT TO TRACTS 26, 28, AND 36. REMOVED STRIKE THROUGH FROM TRACTS 26 AND 28.
REV. 03-16-26: STRIKED THROUGH TRACTS 26 & 28. UPDATED TRACT 37 PROPOSED ROW LINEWORK. ADDED TRACT 36-S LABEL. UPDATED TRACT 28 OWNER
REV. 03-24-26: CORRECTED TRACT 37 PROPOSED ROW LABELS.

NOTE:
SLOPE LINES SHOWN TO REPRESENT THE ULTIMATE SECTION

LEGEND
- TEMPORARY CONSTRUCTION EASEMENT
- PERMANENT DRAINAGE EASEMENT

DENNIS LEE BRANSTETTER AND WIFE MARGARET (25)
DENNIS BRANSTETTER AND WIFE, MARGARET BRANSTETTER (24)
VAN A. LOCKE AND WIFE GEORGIA B. (27)
GEORGIA LOCKE (29)
VAN A. LOCKE AND WIFE GEORGIA B. (30)
VAN A. LOCKE AND WIFE GEORGIA B. (32)
AVERY CONLEY AND WIFE MICHELLE (33)
AVRON TRUSS CO. (37)
1300
1295
JOHN ALEXANDER TEEPLE (23)
JAMES M. WICKER AND WIFE, RENEE J.WICKER (26)
JAMES M. WICKER AND WIFE, RENEE J.WICKER (28)
PHILIP J. COUDRIET AND WIFE TERRI L. (31)
GENE BEYER AND WIFE LENOR A. (35)
LINDA L. PRICHETT (34)
(36)
(36-S)
(38)

PIN 100260.01
END PROJ. NO. STP/NH-28(31);
18008-2221-14 (R.O.W.)
STA. 301+81.03 S.R. 28 (U.S. 127)
N: 636072.3819
E: 2245099.7492

MAYFAIR STA. 180+36.00 =
MAINLINE STA. 1299+55.00
N 636849.9398
E 2245185.3912

GPS = S40
N 636198.3641
E 2244974.6222
EL. 1875.40

GPS = S41
N 636887.5668
E 2245098.8460
EL. 1863.33

PIN 100260.01
END PROJ. NO. STP/NH-28(31);
18008-3225-14 (CONST.)
STA. 298+45.00 S.R. 28 (U.S. 127)
N: 636738.6350
E: 2245060.6105

Element	Direction	Distance
L1	N88°47'34"W	50.50'
R2	R=1120.42'	L=74.11'
R3	R=9143.12'	L=6.59'
L4	N87°49'38"E	48.90'
L5	N88°54'27"E	46.85'
L6	N06°01'04"E	51.90'
R7	R=17786.30'	L=206.54'
L8	N06°01'04"E	96.45'

MATCH LINE STA. 1290+00 SEE SHT. NO. 4A
MATCH LINE STA. 1303+00 SEE SHT. NO. 6A

SEALED BY
RICHARD R. HOLT REGISTERED ENGINEER 04.07.26 STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 1290+00 TO STA. 1303+00

SCALE: 1"= 50'

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NOTE:
THE STREAM AT THE INLET AND OUTLET OF PROPOSED EMBEDDED STREAM CONVEYANCE STRUCTURES SHALL BE RESTORED TO THE PRECONSTRUCTION STREAM CHANNEL CROSS-SECTION MATCHING THE CHANNEL BOTTOM WIDTH AND BANK HEIGHT AND WIDTH. THE RESTORED STREAM CHANNEL WILL BE CONSTRUCTED FROM THE EXCAVATED STREAM AND STREAM BANK MATERIALS, OR OTHER MATERIALS IF SPECIFIED, ONCE THE CONSTRUCTION OF THE STREAM CONVEYANCE STRUCTURE IS COMPLETE. REFER TO THE "EMBEDDING OF STRUCTURES" NOTE FOR SPECIFICATIONS OF EXCAVATED STREAM MATERIALS TO BE USED, IF APPLICABLE. WHEN RECONSTRUCTING THE STREAM BANK, USE A COIR FIBER ROLL AT THE TOE OF THE BANK TO PROVIDE BANK STABILITY WHILE NATIVE VEGETATION ESTABLISHES. STANDARD DRAWING D-NSD-33 MUST BE USED FOR COIR ROLL INSTALLATION. STREAM BANK MATERIALS EXCAVATED DURING THE CONSTRUCTION OF THE STREAM CONVEYANCE STRUCTURE, OR OTHER MATERIALS IF SPECIFIED, SHOULD BE USED WHEN RECONSTRUCTING THE STREAM BANK ONCE THE STRUCTURE IS COMPLETE. NATIVE SEED MIXTURES AS SPECIFIED IN STANDARD DRAWING STD-17-20 SHALL BE PLANTED ONCE THE BANK CONSTRUCTION IS COMPLETE. IF NATURAL CHANNEL DESIGN IS PROPOSED AT THE STRUCTURE INLET, OUTLET, OR BOTH, IMPLEMENT THE DESIGN AS SHOWN IN THE NATURAL CHANNEL DESIGN PLANS INSTEAD OF RESTORING THE CHANNEL TO THE PRECONSTRUCTION CROSS-SECTION.

NOTE:
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY OR EQUIPMENT WILL ENTER ANY PORTION OF PND-1 WTL-1, STR-1, PND-2, WTL-2, AND WTL-3; AND THAT THESE FEATURES AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT PERMITTED LOCATIONS.

NOTE:
SEE SHEET 5 FOR WETLAND IMPACT NOTES

NOTE:
RIPRAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIPRAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIPRAP SHALL BE FILLED WITH STREAM BED SUBSTRATE, IF AVAILABLE, TO PREVENT LOSS OF STREAM WITHIN RIP-RAP AREAS. STREAM BED SUBSTRATE MAY BE REMOVED FROM THE RIP-RAP EMBEDMENT AREA. IF STREAM BED SUBSTRATE IS NOT AVAILABLE, THE FOLLOWING MIXTURE SHOULD BE USED. RIPRAP SHOULD BE MIXED WITH 70 PERCENT CREEK GRAVEL AND 30 PERCENT SAND TO FILL VOIDS PRIOR TO PLACEMENT. ONCE THE RIPRAP MIXTURE IS INSTALLED, THE AREA SHOULD BE THOROUGHLY COMPACTED. ONCE COMPACTED, AN ADDITIONAL 1 TO 2 INCHES OF SAND AND CREEK GRAVEL MAY BE ADDED TO FILL IN THE REMAINING VOIDS, IF NEEDED. THE CONTRACTOR SHALL ENSURE THAT WATER WILL FLOW OVER THE RIPRAP AND THAT FLOW IS NOT LOST BELOW OR WITHIN THE ROCK.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	5B
PIH	2026	STP/NH/HPP-28(32)	5B
PS&E	2026	STP/NH/HPP-28(32)	5B

PIN 100260.01
END PROJ. NO. STP/NH-28(31);
18008-2221-14 (R.O.W.)
STA. 301+81.03 S.R. 28 (U.S. 127)
N: 636072.3819
E: 2245099.7492

MAYFAIR STA. 180+36.00 =
MAINLINE STA. 1299+55.00
N 636849.9398
E 2245185.3912

PIN 100260.01
END PROJ. NO. STP/NH-28(31);
18008-3225-14 (CONST.)
STA. 298+45.00 S.R. 28 (U.S. 127)
N: 636738.6350
E: 2245060.6105

PIN 100260.01
END PROJ. NO. STP/NH-28(31);
18008-2221-14 (R.O.W.)
STA. 301+81.03 S.R. 28 (U.S. 127)
N: 636072.3819
E: 2245099.7492

1290+25.08 LT. 14' PVT DR 23' OF 18" S.D. REQ'D
LIMIT OF CONST. 2+62.11
1291+35.23 LT. 14' PVT DR 28' OF 18" S.D. REQ'D
LIMIT OF CONST. 2+40.00
PT 2+39.89
PC 1+62.45
PT 1+51.80
R 100'
PT 1+31.09
R 400'
PC 0+95.11
PC 0+80.40
R 100'
MATCH LINE STA. 1290+00 SEE SHT. NO. 4B
GRADED SOLID ROCK
SEE SPECIAL NOTE OF SHEET 2D
R 15'
P.L. ℄ S.R. 28
4' T
R 200
PC 0+56.80
BEGIN PROPOSED STR-1 CHANNEL RELOCATION STA. 1290+80.86
PT 0+90.53
EXIST. BERM (RETAIN)
STR-1
33 EW
INV. 1856.14
LIMIT OF CONST. 1+37.04
1290+56.21 RT. 14' PVT DR 29' OF 30" S.D. REQ'D
END SPECIAL DITCH STA. 1290+31.49
PND-1
1292+98.63 RT. 14' PVT DR 41' OF 8' X 3' RCBC REQ'D 1' EMBEDMENT
END STR-1 IMPACT STA. 1294+32.44
34 EW
INV. 1855.12
END PROPOSED STR-1 CHANNEL RELOCATION STA. 1294+32.44
LIMIT OF CONST. 2+22.76
1293+61.29 LT. 14' PVT DR 21' OF 24" S.D. REQ'D
LIMIT OF CONST. 2+20.00
1294+67.83 LT. 14' PVT DR 16' OF 24" S.D. REQ'D
LIMIT OF CONST. 2+02.11
1294+67.83 RT. 14' PVT DR NO S.D. REQ'D
LIMIT OF CONST. 1+09.15
UNNAMED TRIBUTARY
1295+27.69 LT. 14' PVT DR 16' OF 24" S.D. REQ'D
LIMIT OF CONST. 2+00.00
1295
PT 1+75.84
R 260'
PC 1+58.00
LIMIT OF CONST. 1+94.80
1297+97.64 LT. 14' PVT DR 19' OF 24" S.D. REQ'D
PND-2
GRADED SOLID ROCK
SEE SPECIAL NOTE OF SHEET 2D
STR-1
POND
BEGIN PROPOSED STR-1 CHANNEL RELOCATION STA. 1299+25.41
INV. 1845.53
35 EW
P.L. ℄ MAYFAIR DR.
N 87° 25' 02" E
PC 0+20.88
R 15'
PT 0+77.63
R 60'
LIMIT OF CONST. 0+82.72
183+49.80 RT. MAYFAIR 14' PVT DR 28' OF 18" S.D. REQ'D
1299+63.65 LT. 15' PVT DR 24' OF 24" S.D. REQ'D
1300
LIMIT OF CONST. 2+00.00
PT 2+12.06
R 521'
PC 1+64.29
LIMIT OF CONST. 1+87.83
1301+70.11 LT. 14' PVT DR 67' OF 30" S.D. REQ'D
1302+05.72 LT. 22' BUS ENT 67' OF 30" S.D. REQ'D
LIMIT OF CONST. 1+95.72
FUTURE S.R. 28
BEGIN SPECIAL DITCH STA. 1301+00.00
TRM I
P.L. ℄ S.R. 28
N 5° 13' 11" E
12'
S 84° 46' 49" W
R 50'
TYPE 38
GRADED SOLID ROCK
SEE SPECIAL NOTE OF SHEET 2D
STR-1
BEGIN PROPOSED STR-1 CHANNEL RELOCATION STA. 1302+20.86
SEE SHT 2B3 FOR LINER DETAILS
36 EW
INV. 1843.77
WTL3
END PROPOSED STR-1 CHANNEL RELOCATION STA. 1300+33.33
WTL-3
48' OF 8' X 4' RCBC 1' EMBEDMENT
2 LANES AT 9' WITH 2' SHOULDERS
N 88° 30' 44" E
LIMIT OF CONST. 184+00.00
MATCH LINE STA. 1303+00 SEE SHT. NO. 6B
SEE SHEET #17 FOR SIDE ROAD PROFILE

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

TRANSITIONS TABLE

LOCATION	STATION FROM	STATION TO	SIDE LT	SIDE RT	OFFSET (FT.) FROM	OFFSET (FT.) TO	TYPE SHLDR.	TYPE PVMT.
MAYFAIR	183+70.00	184+00.00		X	9.00	4.66		X
MAYFAIR	183+70.00	184+00.00	X		9.00	4.66		X

NOTE:
SEE CHANNEL RELOCATION TABLE ON SHEET 2B3 FOR CHANNEL DIMENSIONS AND LINING

SEALED BY
RICHARD R. HOLT REGISTERED ENGINEER 04.01.26 COMMERCE NO. 109529 STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 1290+00 TO STA. 1303+00

SCALE: 1"= 50'

3/30/2026
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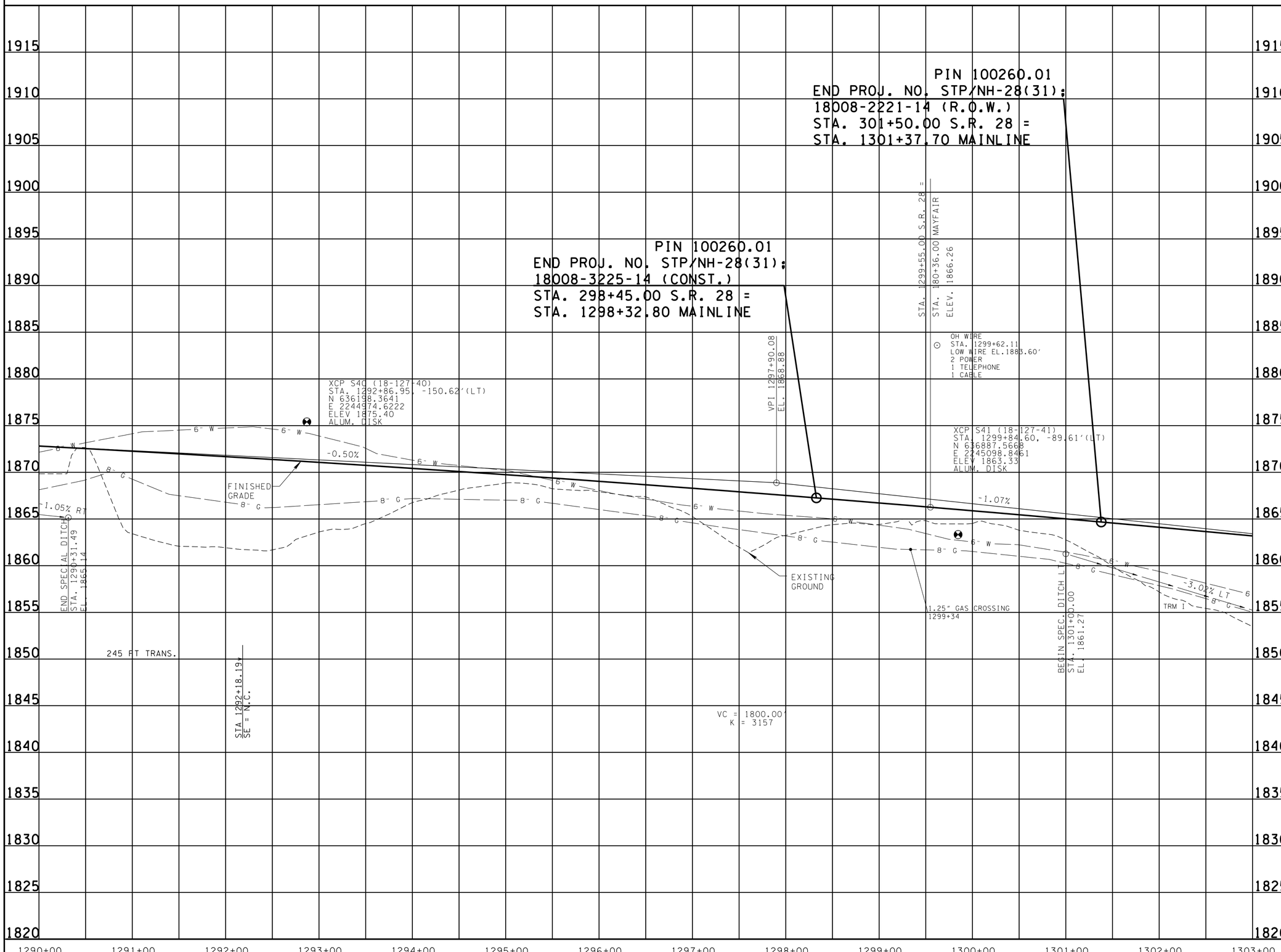
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	5C
PIH	2026	STP/NH/HPP-28(32)	5C
PS&E	2026	STP/NH/HPP-28(32)	5C



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RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA.1290+00 TO STA.1303+00

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

3/30/2026
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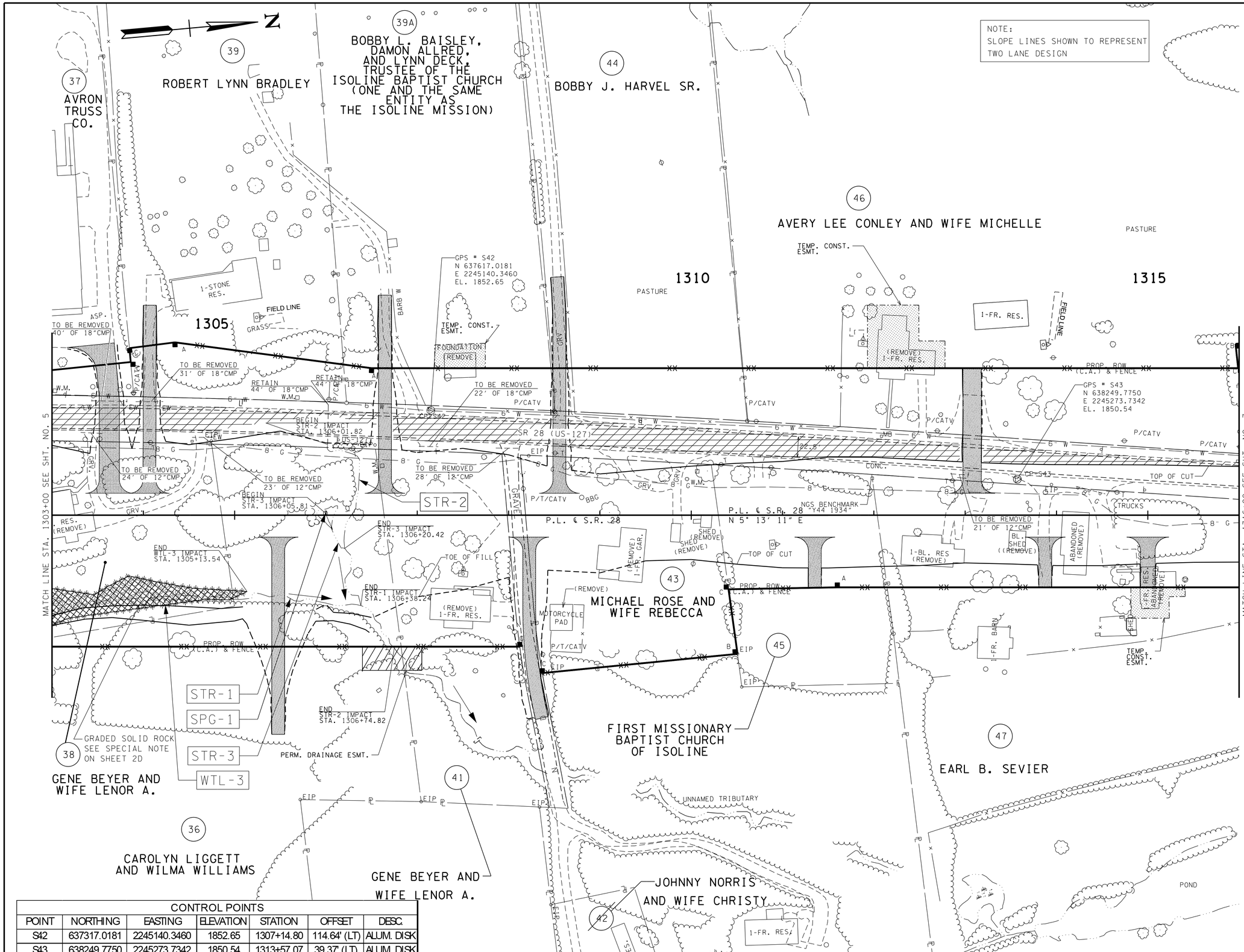
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	6
PIH	2026	STP/NH/HPP-28(32)	6
PS&E	2026	STP/NH/HPP-28(32)	6



REV. 02-09-21: ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: UPDATED OWNERS FOR TRACTS 39A, 40, 47 & 48. ADDED Z-BAR BETWEEN TRACTS 47 & 48, AND 39 & 40. STRIKED THROUGH TRACTS 40 & 48.
REV. 02-14-24: UPDATED TEMP. CONST. EASEMENT HATCHING & LINESTYLE. REMOVED TRACTS 40 & 48.
REV. 07-16-24: REVISED TRACT 37 END FENCE LABEL. UPDATED TRACT 39 PROPERTY OWNER & ADDED DRIVEWAY AT STATION 1303+62.75.
REV. 10-29-24: TRACT 37 (C.A.) & FENCE REVISED TO BY OTHERS. ADDED REVISED TRACT 39 SEPTIC FIELD LINES. LABELED PRIOR SEPTIC FIELD LINES.
REV. 12-16-24: REMOVED TRACT 46 SHEDS AND TREES. SPOTTED TRACT MOBILE HOME AND FIELD LINES.
REV. 04-02-25: REMOVED TRACT 39 OWNER LOCATED SEPTIC FIELD LINE.
REV. 03-16-26: UPDATED TRACT 37 PROPOSED ROW LINEWORK.

LEGEND

- AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.
- TEMPORARY CONSTRUCTION EASEMENT
- PERMANENT DRAINAGE EASEMENT

CONTROL POINTS

POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESC.
S42	637317.0181	2245140.3460	1852.65	1307+14.80	114.64' (LT)	ALUM. DISK
S43	638249.7750	2245273.7342	1850.54	1313+57.07	39.37' (LT)	ALUM. DISK

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
CIVIL
COMMERCE
No. 104329
STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 1303+00 TO STA. 1316+00

SCALE: 1"= 50'

3/30/2026
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Element	Direction	Distance
L1	S87°50'34"W	36.58'
L2	N89°46'10"W	30.92'
L3	N89°46'10"W	30.03'
L4	S87°19'59"W	19.54'
L5	N87°26'50"E	8.65'
L6	S87°26'50"W	116.07'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	6A
PIH	2026	STP/NH/HPP-28(32)	6A
PS&E	2026	STP/NH/HPP-28(32)	6A

REV. 02-09-21: ADDED BEGIN & END C.A. FENCE LABELS.

REV. 01-11-22: UPDATED OWNERS FOR TRACTS 39A, 40, 47 & 48. ADDED Z-BAR BETWEEN TRACTS 47 & 48, AND 39 & 40. STRIKED THROUGH TRACTS 40 & 48.

REV. 02-14-24: UPDATED TEMP. CONST. EASEMENT HATCHING & LINESTYLE. REVISED BEARINGS & DISTANCES. REMOVED TRACTS 40 & 48.

REV. 07-16-24: REVISED TRACT 37 END FENCE LABEL. UPDATED TRACT 39 PROPERTY OWNER & ADDED DRIVEWAY AT STATION 1303+62.75.

REV. 10-29-24: REVISED TRACT 39A PROPERTY LINE BEARING LABEL. TRACT 37 (C.A.) & FENCE REVISED TO BY OTHERS.

REV. 03-16-26: UPDATED TRACT 37 PROPOSED ROW LINEWORK.

REV. 03-24-26: CORRECTED TRACT 37 PROPOSED ROW LABELS.

NOTE:
SLOPE LINES SHOWN TO REPRESENT THE ULTIMATE SECTION

LEGEND

TEMPORARY CONSTRUCTION EASEMENT

PERMANENT DRAINAGE EASEMENT

39

ROBERT LYNN BRADLEY

39A

BOBBY L. BAISLEY, DAMON ALLRED, AND LYNN DECK, TRUSTEE OF THE ISOLINE BAPTIST CHURCH (ONE AND THE SAME ENTITY AS THE ISOLINE MISSION)

44

BOBBY J. HARVEL SR.

37

AVRON TRUSS CO.

46

AVERY LEE CONLEY AND WIFE MICHELLE

1310

1315

1305

43

MICHAEL ROSE AND WIFE REBECCA

45

FIRST MISSIONARY BAPTIST CHURCH OF ISOLINE

47

EARL B. SEVIER

38

GENE BEYER AND WIFE LENOR A.

41

GENE BEYER AND WIFE LENOR A.

36

CAROLYN LIGGETT AND WILMA WILLIAMS

42

JOHNNY NORRIS AND WIFE CHRISTY

P.L. ℄ S.R. 28

PROP. ROW

PRESENT ROW

FUTURE ℄

TOE OF FILL

TOP OF CUT

EIP

EIPo

CP-S42

CP-S43

GPS " S42
N 637617.0181
E 2245140.3460
EL. 1852.65

GPS " S43
N 638249.7750
E 2245273.7342
EL. 1850.54

NGS BENCHMARK
"Y44 1934"

TEMP. CONST. ESMT.

PERM. DRAINAGE ESMT.

BEGIN FENCE 1304+32.03

END FENCE 1305+22.64

BEGIN FENCE 1305+72.64

END FENCE 1306+39.64

BEGIN FENCE 1306+89.64

END FENCE 1307+99.14

BEGIN FENCE 1308+80.64

END FENCE 1308+30.64

BEGIN FENCE 1308+52.31

BEGIN FENCE 1311+60.00

END FENCE 1311+10.31

BEGIN FENCE 1311+60.31

END FENCE 1312+82.64

BEGIN FENCE 1313+32.64

END FENCE 1313+62.64

BEGIN FENCE 1314+12.64

END FENCE 1314+75.00

BEGIN FENCE 1315+25.00

MATCH LINE STA. 1303+00 SEE SHT. NO. 5A

MATCH LINE STA. 1316+00 SEE SHT. NO. 7A

CONTROL POINTS						
POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESC.
S42	637317.0181	2245140.3460	1852.65	1307+14.80	114.64' (LT)	ALUM. DISK
S43	638249.7750	2245273.7342	1850.54	1313+57.07	39.37' (LT)	ALUM. DISK

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RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 1303+00 TO STA. 1316+00

SCALE: 1"= 50'

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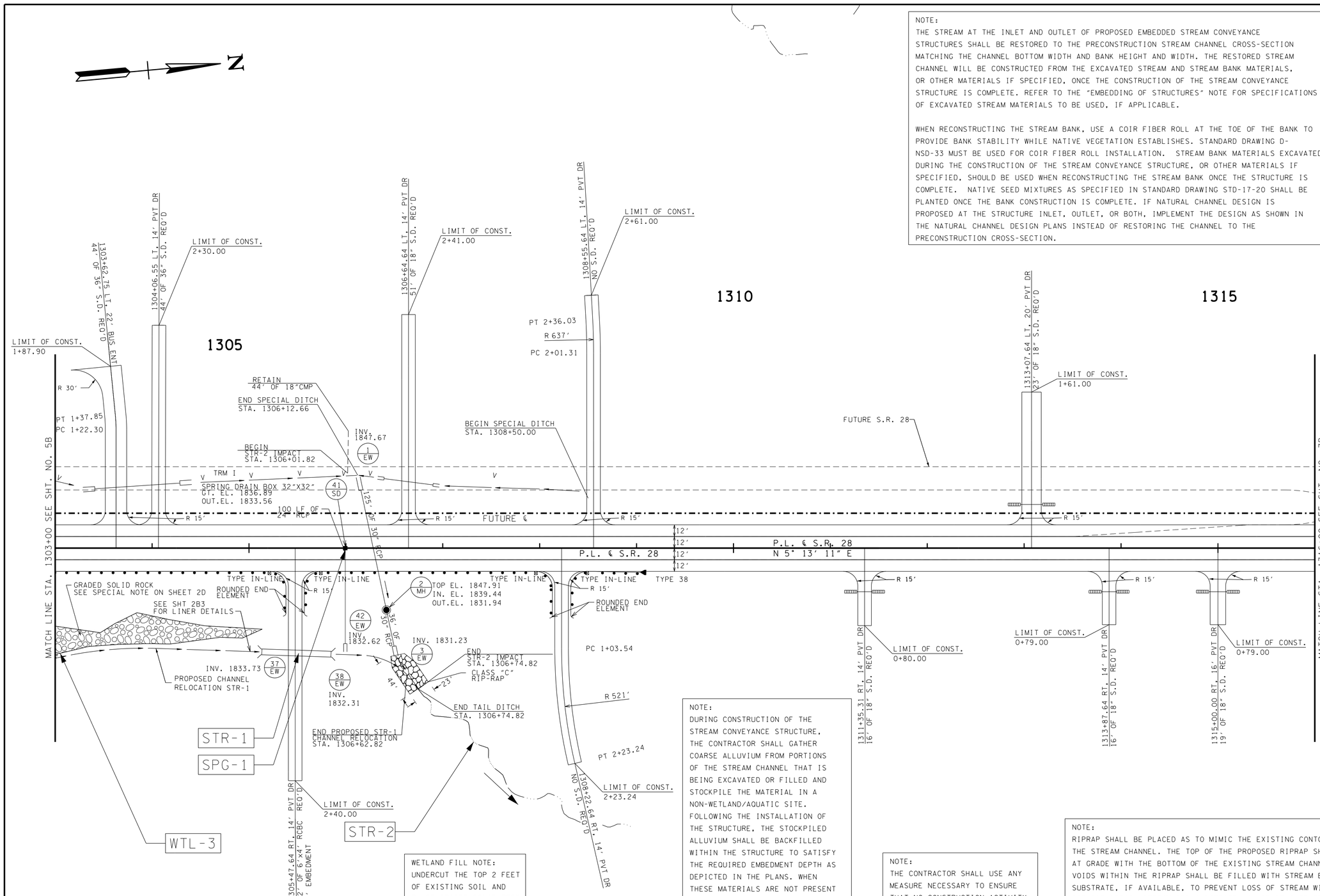
NOTE:
THE STREAM AT THE INLET AND OUTLET OF PROPOSED EMBEDDED STREAM CONVEYANCE STRUCTURES SHALL BE RESTORED TO THE PRECONSTRUCTION STREAM CHANNEL CROSS-SECTION MATCHING THE CHANNEL BOTTOM WIDTH AND BANK HEIGHT AND WIDTH. THE RESTORED STREAM CHANNEL WILL BE CONSTRUCTED FROM THE EXCAVATED STREAM AND STREAM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

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	6B
PIH	2026	STP/NH/HPP-28(32)	6B
PS&E	2026	STP/NH/HPP-28(32)	6B

REV. 07-16-24: ADDED DRIVEWAY AT STATION 1303+62.75.



NOTE:
SEE CHANNEL RELOCATION TABLE ON SHEET 2B3 FOR CHANNEL DIMENSIONS AND LINING

WETLAND FILL NOTE:
UNDERCUT THE TOP 2 FEET OF EXISTING SOIL AND PLACE GRADED SOLID ROCK AS THE BOTTOM 3 FEET OF FILL. GRADED SOLID ROCK SHOULD BE PLACED AND BORDERED BY GEOTEXTILE FABRIC ON THE TOP AND BOTTOM. THE UNDERCUT EXCAVATION CAN BE MADE ON A 1H:1V TEMPORARY EXCAVATION SLOPE RATIO.

NOTE:
SPG-1 HEAD SHALL BE FIELD VERIFIED BY TDOT ECOLOGY STAFF PRIOR TO INSTALLATION OF SPRING BOX.

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

NOTE:
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY OR EQUIPMENT WILL ENTER ANY PORTION OF PND-1 WTL-1, STR-1, PND-2, WTL-2, AND WTL-3; AND THAT THESE FEATURES AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT PERMITTED LOCATIONS.

NOTE:
RIPRAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIPRAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIPRAP SHALL BE FILLED WITH STREAM BED SUBSTRATE, IF AVAILABLE, TO PREVENT LOSS OF STREAM WITHIN RIP-RAP AREAS. STREAM BED SUBSTRATE MAY BE REMOVED FROM THE RIP-RAP EMBEDMENT AREA. IF STREAM BED SUBSTRATE IS NOT AVAILABLE, THE FOLLOWING MIXTURE SHOULD BE USED. RIPRAP SHOULD BE MIXED WITH 70 PERCENT CREEK GRAVEL AND 30 PERCENT SAND TO FILL VOIDS PRIOR TO PLACEMENT. ONCE THE RIPRAP MIXTURE IS INSTALLED, THE AREA SHOULD BE THOROUGHLY COMPACTED. ONCE COMPACTED, AN ADDITIONAL 1 TO 2 INCHES OF SAND AND CREEK GRAVEL MAY BE ADDED TO FILL IN THE REMAINING VOIDS, IF NEEDED. THE CONTRACTOR SHALL ENSURE THAT WATER WILL FLOW OVER THE RIPRAP AND THAT FLOW IS NOT LOST BELOW OR WITHIN THE ROCK.

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 1303+00 TO STA. 1316+00

SCALE: 1"= 50'

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	6C
PIH	2026	STP/NH/HPP-28(32)	6C
PS&E	2026	STP/NH/HPP-28(32)	6C

BALANCE PT. NO. 1
STA. 1304+43.33
EXC. 26,099 y³
EMB. 26,099 y³

VPT 1306+90.08
EL. 1859.25

OH WIRE
STA. 1308+07.98
LOW WIRE EL.1875.80'
3 TELEPHONE

OH WIRE
STA. 1313+26.46
LOW WIRE EL.1871.20'
3 TELEPHONE

FINISHED GRADE

EXISTING GROUND

XCP S43 (18-127-43)
STA. 1313+57.07, -39.37'(LT)
N 638249.7750
E 2245273.7342
ELEV 1850.54
ALUM. DISK

XCP S42 (18-127-42)
STA. 1307+14.80, -114.64'(LT)
N 637617.0181
E 2245140.3460
ELEV 1852.65
ALUM. DISK

-3.02% LT
-2.13% LT
-2.13% LT
-1.07%

TRM I
SOD

VPI LT 1304+00.00
EL. 1852.421

VPI LT 1306+12.66
EL. 1847.67

END SPEC. DITCH LT
1308+50.00
EL. 1852.72

125 LF OF 30" RCP,
36 LF OF 30" RCP

8" GAS CROSSING
1314+65

100 LF OF 24" RCP

PIPE CULVERT

STATION:	**1306+28.22**	
STRUCTURE:125 LF OF 30" RCP, 36 LF OF 30" RCP		
SKEW	**78**	**DEG.**
DRAINAGE AREA	**12.94**	**AC.**
DESIGN DISCHARGE (Q50)	**30.06**	**CFS**
DESIGN DISCHARGE (Q100)	**34.11**	**CFS**
Q50 HEADWATER ELEV.	**1850.76**	
Q100 HEADWATER ELEV.	**1851.17**	
VELOCITY (Q50)	**10.33**	**FT/S**
VELOCITY (Q100)	**10.67**	**FT/S**

ENDWALLS REQUIRED: "U" ENDWALL (2)

STANDARD DRAWING NOS.:
D-PB-1, D-PE-30A, & D-PE-30B

PIPE CULVERT

STATION:	**1305+99.42**	
STRUCTURE: 100 LF OF 24" RCP		
SKEW	**90**	**DEG.**
DESIGN DISCHARGE (Q50)	**22.00**	**CFS**
DESIGN DISCHARGE (Q100)	**27.00**	**CFS**
OVERTOPPING ELEV.	**1859.49**	
ALLOWABLE HEADWATER ELEV.	**1858.06**	
Q50 HEADWATER ELEV.	**1836.82**	
Q100 HEADWATER ELEV.	**1837.81**	
VELOCITY (Q50)	**9.13**	**FT/S**
VELOCITY (Q100)	**9.38**	**FT/S**

ENDWALLS REQUIRED: "U" ENDWALL (1)
STANDARD DRAWING NOS.:
D-PB-1, D-PE-24A, & D-PE-24B

1900 1895 1890 1885 1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825 1820 1815 1810 1805

1303+00 1304+00 1305+00 1306+00 1307+00 1308+00 1309+00 1310+00 1311+00 1312+00 1313+00 1314+00 1315+00 1316+00

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REGISTERED ENGINEER
04.07.26
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA.1303+00 TO STA.1316+00

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

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	7
PIH	2026	STP/NH/HPP-28(32)	7
PS&E	2026	STP/NH/HPP-28(32)	7

REV. 02-09-21: ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD. UPDATED OWNERS FOR TRACTS 48, 49, 51, 51A, 52, 53, 55, 56 & 61. UPDATED TRACT 55 TO SHOW CARPORT & TRACT 61 TO SHOW DOUBLEWIDE MANUFACTURED HOME. STRIKED THROUGH TRACT 48.
REV. 02-14-24: UPDATED TEMPORARY CONSTRUCTION EASEMENT HATCHING & LINESTYLE. COMBINED TRACTS 46 & 49. SPOTTED NEW SHED ON TRACT 51A & ADDED TEMPORARY CONSTRUCTION EASEMENT FOR REMOVAL OF HOUSE. REMOVED SHED & TREES FROM TRACT 52. UPDATED PROPERTY OWNER FOR TRACTS 52 & 55. SPOTTED GARAGE ON TRACT 58. ADDED DRIVEWAY FOR TRACT 61. SPOTTED GARAGE, GRAVEL DRIVEWAY, & POWER ON TRACT 63.REMOVED TRACT48.
REV. 04-01-24: SPOTTED SHED ON TRACT 52. SPOTTED UNDERGROUND TANKS ON TRACT 60. ADDED DRIVEWAY FOR TRACT 63.
REV. 07-16-24: ADDED BEGIN/END FENCE LABELS TO TRACT 63. UPDATED TRACT 56 CONSTRUCTION EASEMENT. ADDED TRACT 52 CONSTRUCTION EASEMENT.
REV. 10-29-24: ADDED NOTE TO TRACT 51A TCE. ADDED SHED TO TRACT 60. ADJUSTED AND ROTATED TRACT 52 SHEDS AND MOBILE HOME. UPDATED TRACT 52 PROPOSED ROW AND EASEMENT LINEWORK.
REV. 07-03-25: UPDATED TRACT 63 DRIVEWAY.
REV. 06-29-26: ADDED TRACT 56 WELL.

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

CONTROL POINTS						
POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESC.
S44	639325.6888	2245402.9511	1831.56	1324+19.98	107.59' (RT)	ALUM. DISK

LEGEND	POND IMPACTS	PND-3
	AREA OF PERMANENT IMPACT	0.002 AC.
	VOLUME OF PERMANENT IMPACT	15 C.Y.
	AREA OF TEMPORARY IMPACT	0 AC.
	VOLUME OF TEMPORARY IMPACT	0 C.Y.

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RICHARD R. HOLT
REGISTERED ENGINEER
No. 102426
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 1316+00 TO STA. 1329+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	7A
PIH	2026	STP/NH/HPP-28(32)	7A
PS&E	2026	STP/NH/HPP-28(32)	7A

REV. 02-09-21: ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: UPDATED OWNERS FOR TRACTS 48, 49, 51, 51A, 52, 53, 55, 56 & 61. STRIKED THROUGH TRACT 48.
REV. 02-14-24: UPDATED TEMPORARY CONSTRUCTION EASEMENT HATCHING & LINESTYLE. COMBINED TRACTS 46 & 49. ADDED BEGIN FENCE LABEL ON TRACT 50. ADDED TEMPORARY CONSTRUCTION EASEMENT ON TRACT 51A. UPDATED PROPERTY OWNER FOR TRACTS 52 & 55. ADDED DRIVEWAY FOR TRACT 61. ADDED TRACT 47. REMOVED TRACT 48.
REV. 04-01-24: SPOTTED SHED ON TRACT 52. ADDED DRIVEWAY FOR TRACT 63
REV. 07-16-24: ADDED BEGIN/END FENCE LABELS TO TRACT 63. UPDATED TRACT 56 CONSTRUCTION EASEMENT. ADDED TRACT 52 CONSTRUCTION EASEMENT.
REV. 10-29-24: UPDATED TRACT 52 PROPOSED ROW & EASEMENT LABELS & LINEWORK
REV. 07-03-25: UPDATED TRACT 63 DRIVEWAY.

NOTE:
SLOPE LINES SHOWN TO REPRESENT ULTIMATE SECTION

LEGEND
TEMPORARY CONSTRUCTION EASEMENT

AVERY LEE CONLEY AND WIFE MICHELLE (46)
JORDAN WINNINGHAM AND MARY ELIZABETH WINNINGHAM, HUSBAND AND WIFE (53)
ELIZABETH P. HENRY (62)
TERRY L. KOPSIE (52)
WILLIAM L. BARNWELL, PAUL BARNWELL, AND WILLIAM RAY BROWN (56)
DAMON ALLRED AND WIFE, MELISSA ALLRED (61)
JOSH SHERRILL (60)
JASON WILLIAMS 1320 (49)
AVERY CONLEY AND WIFE MICHELLE CONLEY (49)
1325 (60)
EARL B. SEVIER (47)
FIRST MISSIONARY BAPTIST CHURCH OF ISOLINE (50)
CARL NORRIS (51A)
DENTON SHARP, ET. AL (54)
CLIFFARD T BEGLEY JR. AND AUTUMN ANDRALE KELSO BEGLEY (58)
CHRISTOPHER MILLER (57)
JAMES A. HILTON AND WIFE, REBECCA L. HILTON (51)
EARNEST LEE BEGLEY JR., ERICH LEE BEGLEY AND EMILY KAY BEGLEY (59)
DALLAS MICHAEL COX (63)

BYERS STA. 215+87.10 = S.R. 28 CONST. ℄ STA. 1316+55.00
N 638542.8901
E 2245340.0505

GPS = S101
N 638620.2933
E 2244849.9502
EL. 1842.99

GPS = S2219
N 638874.8340
E 2245389.4090
EL. 1840.53

GPS = S44
N 639325.6888
E 2245402.9511
EL. 1831.56

CONTROL POINTS						
POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESC.
S44	639325.6888	2245402.9511	1831.56	1324+19.98	107.59' (RT)	ALUM. DISK

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RICHARD R. HOLT
REGISTERED ENGINEER
LICENSE NO. 120276
COMMERCE
STATE OF TENNESSEE
04.01.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 1316+00 TO STA. 1329+00

SCALE: 1"= 50'

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NOTE:
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY OR EQUIPMENT WILL ENTER ANY PORTION OF PND-3 OR PND-4; AND THAT THESE FEATURES AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT PERMITTED LOCATIONS.

POND FILL NOTE:
UNDERCUT THE TOP 2 FEET OF EXISTING SOIL AND PLACE GRADED SOLID ROCK AS THE BOTTOM 3 FEET OF FILL. GRADED SOLID ROCK SHOULD BE PLACED AND BORDERED BY GEOTEXTILE FABRIC ON THE TOP AND BOTTOM. THE UNDERCUT EXCAVATION CN BE MADE ON A 1H:1V TEMPORARY EXCAVATION SLOPE RATIO.

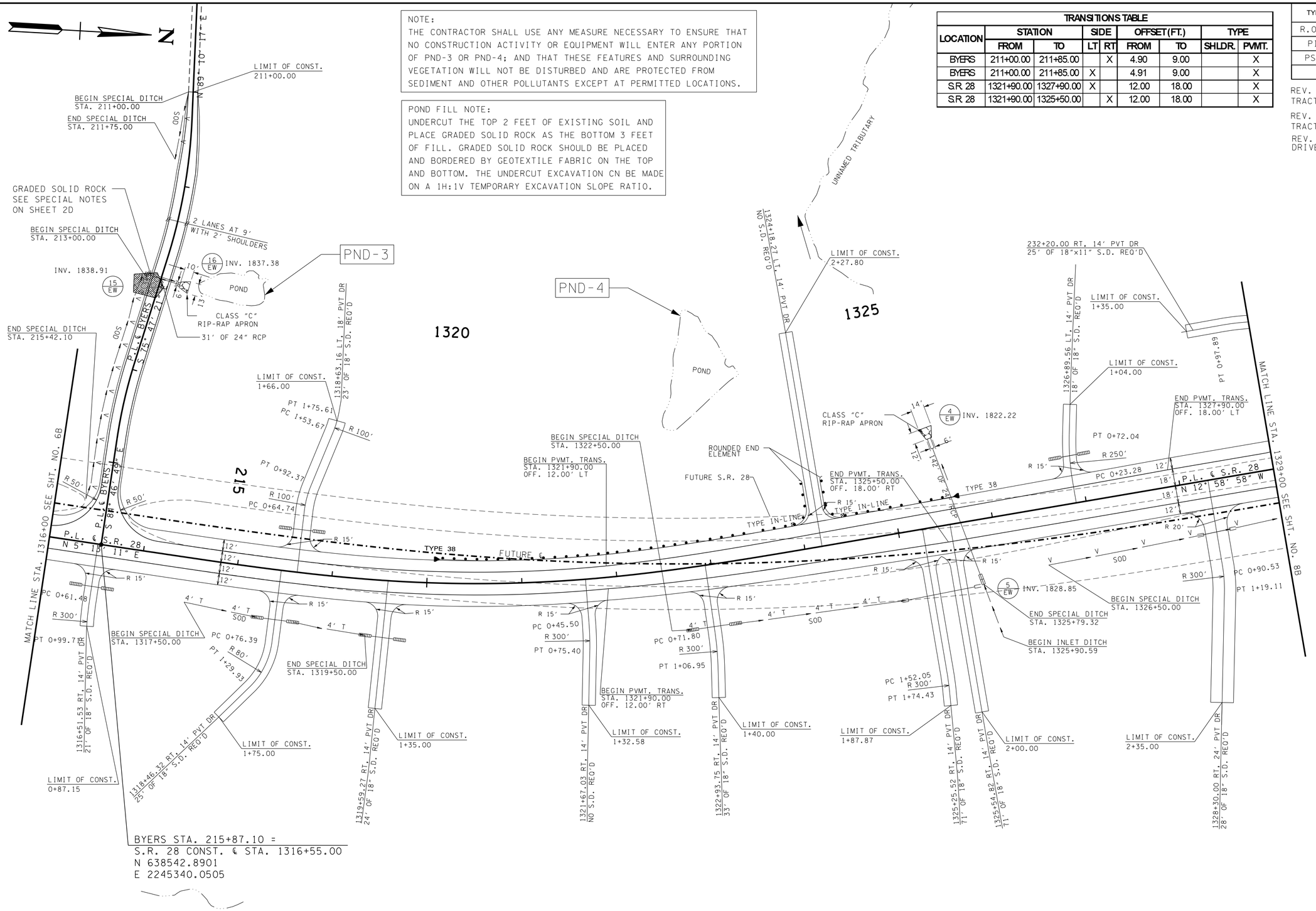
TRANSITIONS TABLE								
LOCATION	STATION		SIDE		OFFSET (FT.)		TYPE	
	FROM	TO	LT	RT	FROM	TO	SHLDR.	PVMT.
BYERS	211+00.00	211+85.00		X	4.90	9.00		X
BYERS	211+00.00	211+85.00	X		4.91	9.00		X
S.R. 28	1321+90.00	1327+90.00	X		12.00	18.00		X
S.R. 28	1321+90.00	1325+50.00		X	12.00	18.00		X

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	7B
PIH	2026	STP/NH/HPP-28(32)	7B
PS&E	2026	STP/NH/HPP-28(32)	7B

REV. 02-14-24: ADDED DRIVEWAY FOR TRACT 61.

REV. 04-01-24: ADDED DRIVEWAY FOR TRACT 63.

REV. 07-03-25: UPDATED TRACT 63 DRIVEWAY.



SEE SHEET #17 FOR SIDE ROAD PROFILE

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RICHARD R. HOLT REGISTERED ENGINEER 04.07.26 COMMISSION NO. 104329 STATE OF TENNESSEE

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 1316+00 TO STA. 1329+00

SCALE: 1"= 50'

3/30/2026
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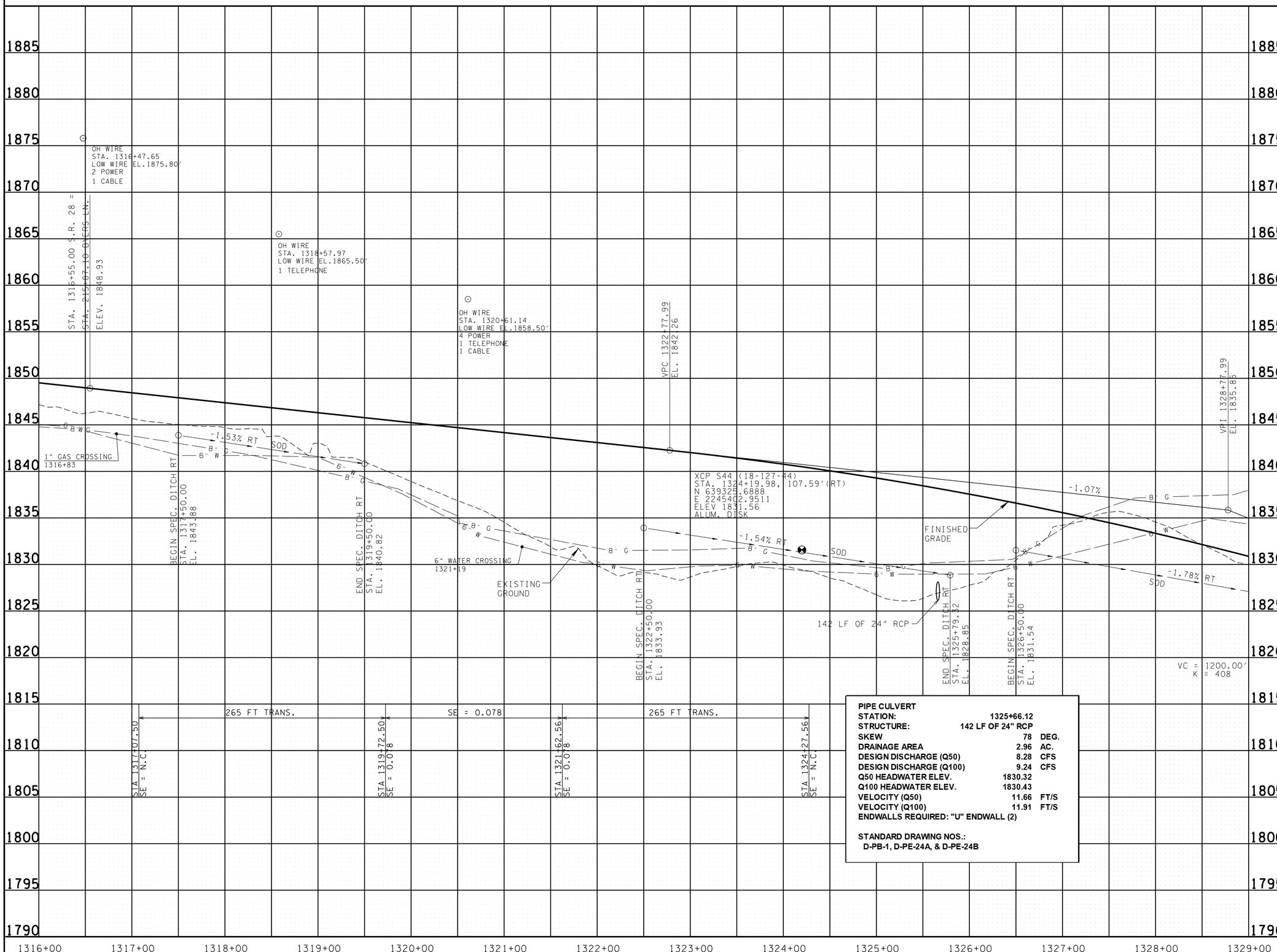
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	7C
PIH	2026	STP/NH/HPP-28(32)	7C
PS&E	2026	STP/NH/HPP-28(32)	7C



PIPE CULVERT

STATION:	**1325+66.12**	
STRUCTURE:	**142 LF OF 24" RCP**	
SKEW	**78**	**DEG.**
DRAINAGE AREA	**2.96**	**AC.**
DESIGN DISCHARGE (Q50)	**8.28**	**CFS**
DESIGN DISCHARGE (Q100)	**9.24**	**CFS**
Q50 HEADWATER ELEV.	**1830.32**	
Q100 HEADWATER ELEV.	**1830.43**	
VELOCITY (Q50)	**11.66**	**FT/S**
VELOCITY (Q100)	**11.91**	**FT/S**

ENDWALLS REQUIRED: "U" ENDWALL (2)

STANDARD DRAWING NOS.:
D-PB-1, D-PE-24A, & D-PE-24B

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RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA.1316+00 TO STA.1329+00

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

3/30/2026
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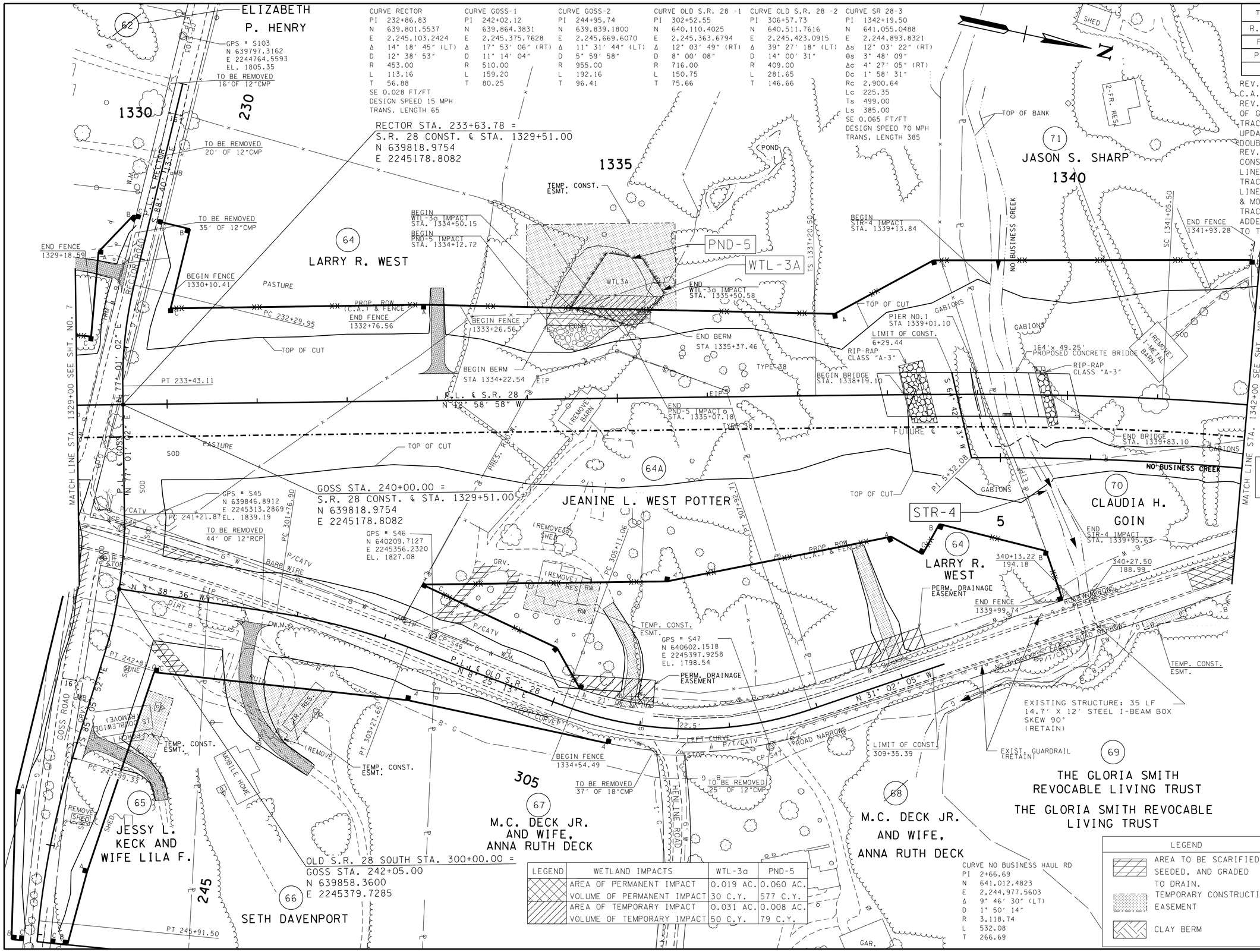

CURVE RECTOR	CURVE GOSS-1	CURVE GOSS-2	CURVE OLD S.R. 28 -1	CURVE OLD S.R. 28 -2	CURVE SR 28-3
PI 232+86.83	PI 242+02.12	PI 244+95.74	PI 302+52.55	PI 306+57.73	PI 1342+19.50
N 639,801.5537	N 639,864.3831	N 639,839.1800	N 640,110.4025	N 640,511.7616	N 641,055.0488
E 2,245,103.2424	E 2,245,375.7628	E 2,245,669.6070	E 2,245,363.6794	E 2,245,423.0915	E 2,244,893.8321
Δ 14° 18' 45" (LT)	Δ 17° 53' 06" (RT)	Δ 11° 31' 44" (LT)	Δ 12° 03' 49" (RT)	Δ 39° 27' 18" (LT)	Δs 12° 03' 22" (RT)
D 12° 38' 53"	D 11° 14' 04"	D 5° 59' 58"	D 8° 00' 08"	D 14° 00' 31"	Θs 3° 48' 09"
R 453.00	R 510.00	R 955.00	R 716.00	R 409.00	Δc 4° 27' 05" (RT)
L 113.16	L 159.20	L 192.16	L 150.75	L 281.65	Dc 1° 58' 31"
T 56.88	T 80.25	T 96.41	T 75.66	T 146.66	Rc 2,900.64
SE 0.028 FT/FT					Lc 225.35
DESIGN SPEED 15 MPH					Ts 499.00
TRANS. LENGTH 65					Ls 385.00
					SE 0.065 FT/FT
					DESIGN SPEED 70 MPH
					TRANS. LENGTH 385

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	8
PIH	2026	STP/NH/HPP-28(32)	8
PS&E	2026	STP/NH/HPP-28(32)	8

REV. 02-09-21: ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD. UPDATED OWNERS FOR TRACTS 61, 64A, 66, 67 & 68. UPDATED TRACT 65 TO SHOW DOUBLEWIDE MANUFACTURED HOME.
REV. 02-14-24: UPDATED TEMPORARY CONSTRUCTION EASEMENT HATCHING & LINESTYLE. ADDED DRIVEWAY FOR TRACT 61. ADDED MISSING R.O.W. LINE ON TRACT 65. LOCATED TRAILER & MOBILE HOME ON TRACT 66. CHANGED TRACTS 66 & 70 PROPERTY OWNERS. ADDED DRIVEWAY & DRAINAGE EASEMENT TO TRACTS 64 & 64A.
REV. 07-16-24: UPDATED TRACT 64A PROPERTY OWNER. SPOTTED TRACT 65 SHEDS & PORCH. SPOTTED TRACT 66 SHED.
REV. 10-29-24: UPDATED TRACT 69 PROPERTY OWNER.

NOTE:
SEE SHEET 8A FOR CONTROL POINTS TABLE

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

LEGEND	WETLAND IMPACTS	WTL-3a	PND-5
	AREA OF PERMANENT IMPACT	0.019 AC.	0.060 AC.
	VOLUME OF PERMANENT IMPACT	30 C.Y.	577 C.Y.
	AREA OF TEMPORARY IMPACT	0.031 AC.	0.008 AC.
	VOLUME OF TEMPORARY IMPACT	50 C.Y.	79 C.Y.

CURVE NO BUSINESS HAUL RD
PI 2+66.69
N 641,012.4823
E 2,244,977.5603
Δ 9° 46' 30" (LT)
D 1° 50' 14"
R 3,118.74
L 532.08
T 266.69

LEGEND
- AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.
- TEMPORARY CONSTRUCTION EASEMENT
- CLAY BERM

SEALED BY
RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 1329+00 TO STA. 1342+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	8A
PIH	2026	STP/NH/HPP-28(32)	8A
PS&E	2026	STP/NH/HPP-28(32)	8A

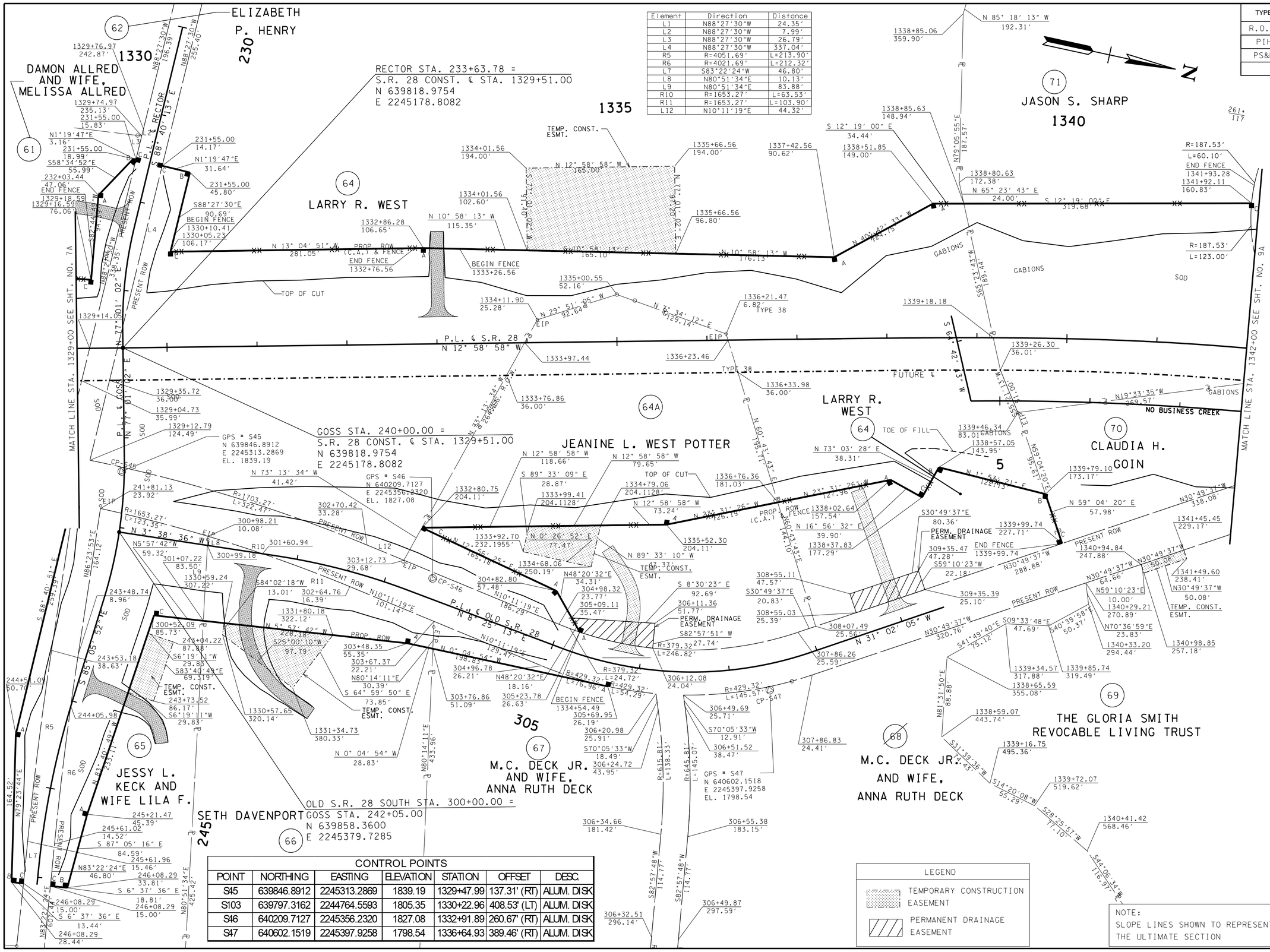
REV. 02-09-21: ADDED BEGIN & END C.A. FENCE LABELS.

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD. UPDATED OWNERS FOR TRACTS 61, 64A, 66, 67 & 68.

REV. 02-14-24: UPDATED TEMP. CONST. EASEMENT HATCHING & LINESTYLE. ADDED DRIVEWAY FOR TRACT 61. UPDATED STATION & OFFSET, BEARINGS & DISTANCES. ADDED MISSING R.O.W. LINE ON TRACT 65. CHANGED TRACTS 66 & 70 PROPERTY OWNERS. ADDED DRIVEWAY & DRAINAGE EASEMENT TO TRACTS 64 & 64A.

REV. 07-16-24: UPDATED TRACT 64A PROPERTY OWNER.

REV. 10-29-24: UPDATED TRACT 69 PROPERTY OWNER.



Element	Direction	Distance
L1	N88°27'30"W	24.35'
L2	N88°27'30"W	7.99'
L3	N88°27'30"W	26.79'
L4	N88°27'30"W	337.04'
R5	R=4051.69'	L=213.90'
R6	R=4021.69'	L=212.32'
L7	S83°22'24"W	46.80'
L8	N80°51'34"E	10.13'
L9	N80°51'34"E	83.88'
R10	R=1653.27'	L=63.53'
R11	R=1653.27'	L=103.90'
L12	N10°11'19"E	44.32'

CONTROL POINTS

POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESC.
S45	639846.8912	2245313.2869	1839.19	1329+47.99	137.31' (RT)	ALUM. DISK
S103	639797.3162	2244764.5593	1805.35	1330+22.96	408.53' (LT)	ALUM. DISK
S46	640209.7127	2245356.2320	1827.08	1332+91.89	260.67' (RT)	ALUM. DISK
S47	640602.1519	2245397.9258	1798.54	1336+64.93	389.46' (RT)	ALUM. DISK

LEGEND

TEMPORARY CONSTRUCTION EASEMENT

PERMANENT DRAINAGE EASEMENT

NOTE: SLOPE LINES SHOWN TO REPRESENT THE ULTIMATE SECTION

SEALED BY

RICHARD R. HOLT REGISTERED ENGINEER STATE OF TENNESSEE 04.07.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 1329+00 TO STA. 1342+00

SCALE: 1"= 50'

3/30/2026

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	8B
PIH	2026	STP/NH/HPP-28(32)	8B
PS&E	2026	STP/NH/HPP-28(32)	8B

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.

REV. 02-14-24: ADDED DRIVEWAY FOR TRACT 61. ADDED DRIVEWAY TO TRACTS 64 & 64A.

POND FILL NOTE:
UNDERCUT THE TOP 2 FEET OF EXISTING SOIL AND PLACE GRADED SOLID ROCK AS THE BOTTOM 3 FEET OF FILL. GRADED SOLID ROCK SHOULD BE PLACED AND BORDERED BY GEOTEXTILE FABRIC ON THE TOP AND BOTTOM. THE UNDERCUT EXCAVATION CN BE MADE ON A 1H:1V TEMPORARY EXCAVATION SLOPE RATIO.

POND FILL NOTE:
UNDERCUT THE TOP 2 FEET OF EXISTING SOIL AND PLACE GRADED SOLID ROCK AS THE BOTTOM 3 FEET OF FILL. GRADED SOLID ROCK SHOULD BE PLACED AND BORDERED BY GEOTEXTILE FABRIC ON THE TOP AND BOTTOM. THE UNDERCUT EXCAVATION CN BE MADE ON A 1H:1V TEMPORARY EXCAVATION SLOPE RATIO.

NOTE:
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY OR EQUIPMENT WILL ENTER ANY PORTION OF PND-5, WTL-3a, & STR-4; AND THAT THESE FEATURES AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT PERMITTED LOCATIONS.

230
1330
1335
1340
245
305
5

RECTOR STA. 233+63.78 =
S.R. 28 CONST. ℄ STA. 1329+51.00
N 639818.9754
E 2245178.8082

GOSS STA. 240+00.00 =
S.R. 28 CONST. ℄ STA. 1329+51.00
N 639818.9754
E 2245178.8082

OLD S.R. 28 SOUTH STA. 300+00.00 =
GOSS STA. 242+05.00
N 639858.3600
E 2245379.7285

P.I. ℄ RECTOR
S 88° 40' 43" E

LIMIT OF CONST. 231+65.00
BEGIN SPECIAL DITCH STA. 231+65.00
END SPECIAL DITCH STA. 233+14.07
R 15'
R 250'
Pc 0+33.46
TRM 1
2 LANES AT 10' WITH 2' SHOULDERS
R 50'
N 77° 01' 02" E
R 50'
MATCH LINE STA. 1329+00 SEE SHT. NO. 7B
P.I. ℄ GOSS
N 77° 01' 02" E
R 50'
V SOD V
R 50'
GOSS
17 EW
18 EW
39' OF 18" RCP
INV. 1824.58
INV. 1824.87
SOD
END SPECIAL DITCH STA. 241+75.00
R 30'
BEGIN SPECIAL DITCH STA. 242+26.81
END SPECIAL DITCH STA. 242+00.00
N 3° 38' 36" W
R 30'
S 85° 05' 52" E
R 110'
PC 0+20.51
PT 0+44.47
PC 0+69.78
R 15'
R 50'
PT 1+18.93
2 LANES AT 9' WITH 2' SHOULDERS
PVT DR
LIMIT OF CONST. 1+23.50
BEGIN SPECIAL DITCH STA. 245+31.06
243+78.45 RT GOSS 14' PVT DR 19' OF 18" S.D. REQ'D
LIMIT OF CONST. 245+95.00

1333+01.56 LT. 14' PVT DR 16' OF 18" S.D. REQ'D
LIMIT OF CONST. 1+25.00
POND
PND-5
WTL-3a
BEGIN BERM STA 1334+22.54
END BERM STA 1335+37.46
GRADED SOLID ROCK SEE SPECIAL NOTE ON SHEET 2D
BEGIN PVMT. TRANS. STA. 1331+14.00 OFF. 18.00' RT
BEGIN PVMT. TRANS. STA. 1331+54.00 OFF. 18.00' LT
END PVMT. TRANS. STA. 1337+14.00 OFF. 12.00' LT
R 15'
P.L. ℄ S.R. 28
N 12° 58' 58" W
12'
18'
18'
12'
TYPE 38
TYPE 38

LIMIT OF CONST. 6+29.44
164' x 49.25' PROPOSED CONC. BRIDGE
BEGIN SPECIAL DITCH STA. 1337+50.00
72'X27.5' APPROXIMATE DIMENSIONS. SEE BRIDGE DRAWINGS FOR MORE INFORMATION
2' T 2' T 2' T
GABIONS
CLASS A-3 RIPRAP
BEGIN BRIDGE STA. 1338+19.10
12'
12'
12'
12'
FUTURE ℄
PIER NO. 1 STA 1339+01.10
22' HAUL ROAD
38' HAUL ROAD
GABIONS
NO BUSINESS CREEK
BEGIN SPECIAL DITCH STA. 1337+50.00
END PVMT. TRANS. STA. 1337+14.00 OFF. 12.00' RT
FUTURE S.R. 28
305+82.67 LT OLD SR28 S. 14' PVT DR 20' OF 18" S.D. REQ'D
305+00.00 LT OLD SR28 S. 14' PVT DR 25' x 14' S.D. REQ'D
LIMIT OF CONST. 1+53.91

TOP OF BANK
NO BUSINESS CREEK
END SPECIAL DITCH STA. 1339+13.15
68'X11' APPROXIMATE DIMENSIONS. SEE BRIDGE DRAWINGS FOR MORE INFORMATION
GABIONS
V V V V V V V
SOD
BEGIN SPECIAL DITCH STA. 1339+32.73
CLASS A-3 RIPRAP
END BRIDGE STA. 1339+83.10
GABIONS
NO BUSINESS CREEK
65 LF OF 48" TEMP. DRAINAGE PIPE 4 BARRELS
BEGIN SPECIAL DITCH STA. 1339+96.29
160 LF OF 24" TEMP. DRAINAGE PIPE
END SPECIAL DITCH STA. 1339+79.77
MATCH LINE STA. 1342+00 SEE SHT. NO. 9B

2 LANES AT 11' WITH 4' SHOULDERS
LIMIT OF CONST. 1+38.20
PT 1+06.44
R 70'
PC 0+52.58
R 15'
END SPECIAL DITCH STA. 306+00.00 EL. 1806.59
BEGIN SPECIAL DITCH STA. 305+40.00 EL. 1822.83
P.I. ℄ OLD S.R. 28
N 8° 25' 13" E
R 110'
PC 0+50.26
PT 1+76.49
LIMIT OF CONST. 2+08.68
301+53.06 RT OLD SR28 S. 14' PVT DR 23' OF 18" S.D. REQ'D
LIMIT OF PAVING 305+00.00

BEGIN SPECIAL DITCH STA. 308+70.00 EL. 1793.75
R 15'
N 31° 02' 05" W
END SPECIAL DITCH STA. 309+10.00 EL. 1786.54
50'
20'
EXISTING STRUCTURE: 35 LF 14.7' X 12' STEEL I-BEAM BOX SKEW 90° (RETAIN)
EXIST. GUARDRAIL (RETAIN)

SEE SHEET #17 AND #18 FOR SIDE ROAD PROFILES

TRANSITIONS TABLE

LOCATION	STATION FROM	STATION TO	SIDE LT	SIDE RT	OFFSET(FT.) FROM	OFFSET(FT.) TO	TYPE SHLDR.	TYPE PVMT.
RECTOR	231+65.00	231+90.00		X	8.12	10.00		X
RECTOR	231+65.00	231+90.00	X		8.12	10.00		X
GOSS	245+55.00	245+95.00		X	11.00	7.43		X
GOSS	245+55.00	245+95.00	X		11.00	7.39		X
S.R. 28	1331+14.00	1337+14.00		X	18.00	12.00		X
S.R. 28	1331+54.00	1337+14.00	X		18.00	12.00		X
OLD S.R. 28 SOUTH	304+75.00	305+00.00	X		15.00	13.45	X	
OLD S.R. 28 SOUTH	304+75.00	305+00.00		X	15.00	14.60	X	

TEMPORARY HAUL ROADS AND HAUL ROAD CULVERTS ARE TO BE REMOVED FOLLOWING COMPLETION OF BRIDGE CONSTRUCTION ACTIVITIES. ONCE CONSTRUCTION ACTIVITIES ARE COMPLETE, RESTORE ALL TEMPORARY IMPACT AREAS TO PRECONSTRUCTION CONDITIONS.

SEALED BY

RICHARD R. HOLT REGISTERED ENGINEER 115813 CERTIFICATE NUMBER 04.07.26 STATE OF TENNESSEE

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 1329+00 TO STA. 1342+00

SCALE: 1"= 50'

3/30/2026
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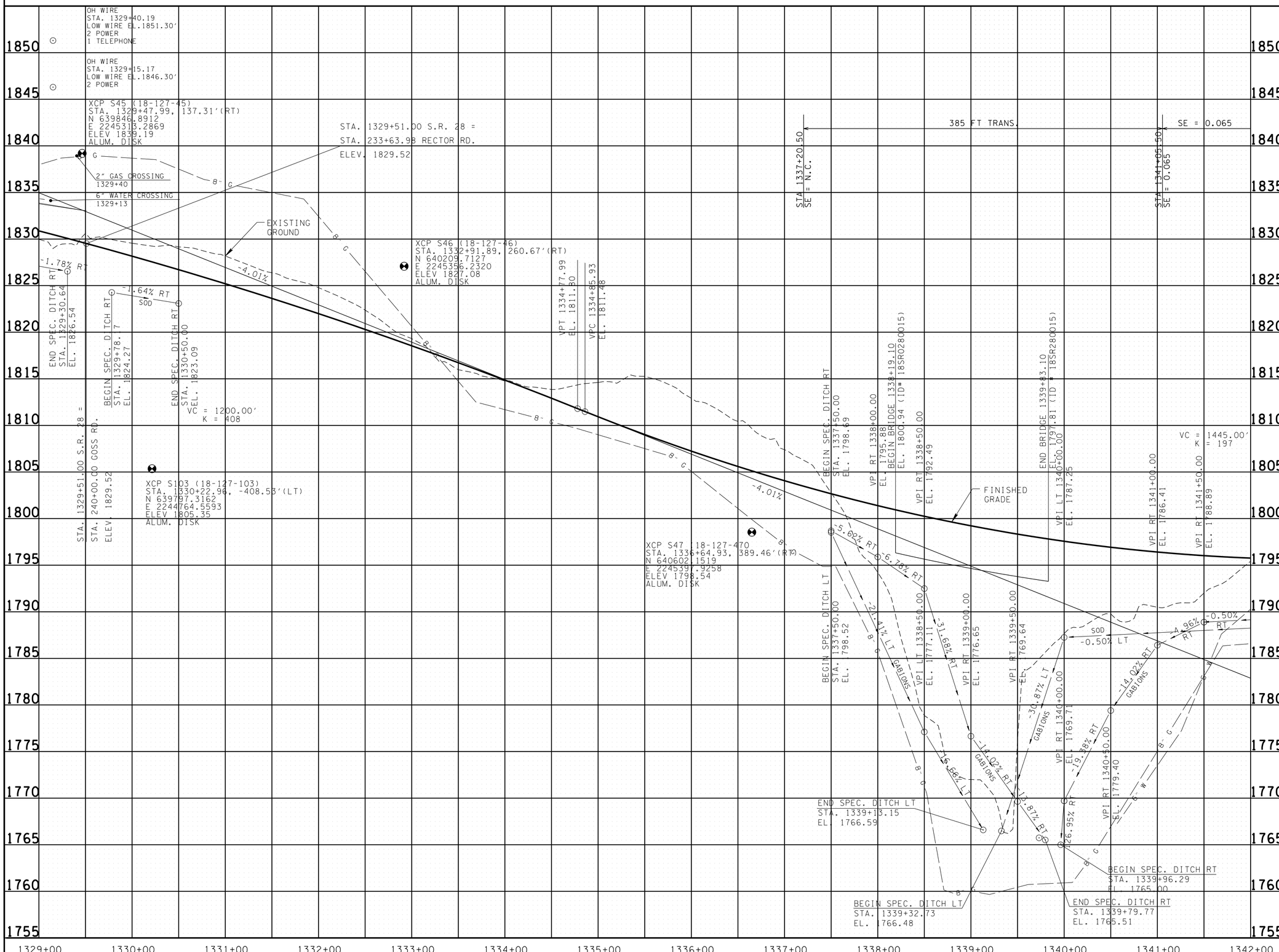
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	8C
PIH	2026	STP/NH/HPP-28(32)	8C
PS&E	2026	STP/NH/HPP-28(32)	8C

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.



SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA.1329+00 TO STA.1342+00

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

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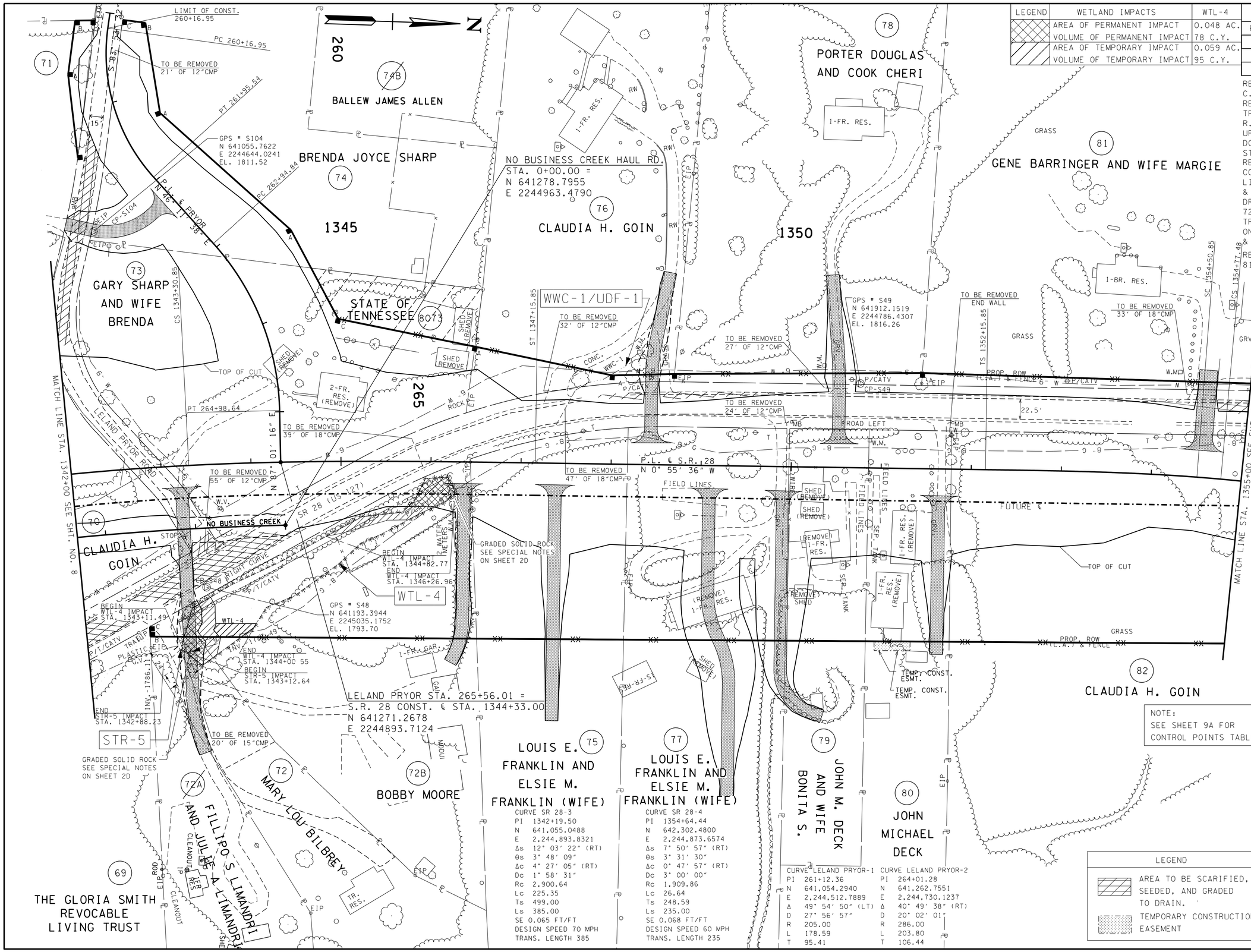

LEGEND	WETLAND IMPACTS	WTL-4
	AREA OF PERMANENT IMPACT	0.048 AC.
	VOLUME OF PERMANENT IMPACT	78 C.Y.
	AREA OF TEMPORARY IMPACT	0.059 AC.
	VOLUME OF TEMPORARY IMPACT	95 C.Y.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	9
PIH	2026	STP/NH/HPP-28(32)	9
PS&E	2026	STP/NH/HPP-28(32)	9

REV. 02-09-21: ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: UPDATED OWNERS FOR TRACTS 75 & 78. UPDATED PROPOSED R.O.W. TO EXCLUDE TRACT 72A. UPDATED TRACT 72B TO SHOW DOUBLEWIDE MANUFACTURED HOME. STRIKED THROUGH TRACT 72A.
REV. 02-14-24: UPDATED TEMPORARY CONSTRUCTION EASEMENT HATCHING & LINESTYLE. REVISED TRACTS 69, 72, & 72A PROPERTY LINES. SPOTTED DRIVEWAY & MODULAR HOME ON TRACT 72B. SPOTTED OUT BUILDINGS ON TRACT 77. SPOTTED FENCE & SHEDS ON TRACT 79. CHANGED TRACTS 76 & 82 PROPERTY OWNER.
REV. 04-01-24: REMOVED TRACT 81 CONST. EASEMENT.
REV. 10-29-24: UPDATED PROPERTY LINES FOR TRACTS 69, 72, 72A, 72B, 74, 75, 77, 79, & 80. UPDATED PROPERTY OWNER NAMES FOR TRACTS 69, 72A, 72B, & 77. ADDED TRACT 74B. ADDED EXISTING EASEMENT LINEWORK, BEARING AND DISTANCE FOR TRACT 72.
REV. 04-01-25: REVISED TRACT 78 OWNER NAMES.
REV. 07-03-25: REMOVED TRACT 76 TEMP. CONST. ESMT.
REV. 05-06-26: ADDED TRACT 8073.

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

NOTE:
SEE SHEET 9A FOR CONTROL POINTS TABLE

CURVE SR 28-3
PI 1342+19.50
N 641,055.0488
E 2,244,893.8321
Δs 12° 03' 22" (RT)
θs 3° 48' 09"
Δc 4° 27' 05" (RT)
Dc 1° 58' 31"
Rc 2,900.64
Lc 225.35
Ts 499.00
Ls 385.00
SE 0.065 FT/FT
DESIGN SPEED 70 MPH
TRANS. LENGTH 385

CURVE SR 28-4
PI 1354+64.44
N 642,302.4800
E 2,244,873.6574
Δs 7° 50' 57" (RT)
θs 3° 31' 30"
Δc 0° 47' 57" (RT)
Dc 3° 00' 00"
Rc 1,909.86
Lc 26.64
Ts 248.59
Ls 235.00
SE 0.068 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 235

CURVE LELAND PRYOR-1
PI 261+12.36
N 641,054.2940
E 2,244,512.7889
Δ 49° 54' 50" (LT)
D 27° 56' 57"
R 205.00
L 178.59
T 95.41

CURVE LELAND PRYOR-2
PI 264+01.28
N 641,262.7551
E 2,244,730.1237
Δ 40° 49' 38" (RT)
D 20° 02' 01"
R 286.00
L 203.80
T 106.44

LEGEND
AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.
TEMPORARY CONSTRUCTION EASEMENT

SEALED BY
RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
05.20.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 1342+00 TO STA. 1355+00

SCALE: 1"= 50'

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CONTROL POINTS						
POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESC.
S104	641055.7622	2244644.0241	1811.52	1342+46.52	266.30' (LT)	ALUM. DISK
S105	641086.5587	2244274.1965	1820.45	1343+05.49	631.13' (LT)	ALUM. DISK
S48	641193.3944	2245035.1753	1793.70	1343+44.33	136.17' (RT)	ALUM. DISK
S49	641912.1519	2244786.4307	1816.26	1350+75.57	93.53' (LT)	ALUM. DISK

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	9A
PIH	2026	STP/NH/HPP-28(32)	9A
PS&E	2026	STP/NH/HPP-28(32)	9A

REV. 02-09-21: ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: UPDATED OWNERS FOR TRACTS 75 & 78. UPDATED PROPOSED R.O.W. TO EXCLUDE TRACT 72A. STRIKED THROUGH TRACT 72A.
REV. 02-14-24: UPDATED TEMPORARY CONSTRUCTION EASEMENT HATCHING & LINESTYLE. CHANGED TRACTS 76 & 82 PROPERTY OWNER.REVISED TRACTS 69, 72, & 72A PROPERTY LINES. CORRECTED LABEL STATIONING & DISTANCES.
REV. 04-01-24: REMOVED TRACT 81 CONST. EASEMENT.
REV. 10-29-24: UPDATED PROPERTY LINES FOR TRACTS 69, 72, 72A, 72B, 74, 75, 77, 79, & 80. UPDATED PROPERTY OWNER NAMES FOR TRACTS 69, 72A, 72B, & 77. ADDED TRACT 74B. ADDED EXISTING EASEMENT LINEWORK, BEARING AND DISTANCE TO TRACT 72.
REV. 04-01-25: REVISED TRACT 78 OWNER NAMES.
REV. 07-03-25: REMOVED TRACT 76 TEMP. CONST. ESMT.
REV. 05-06-26: ADDED TRACT 8073.

Element	Direction	Distance
L1	N02°30'19"W	359.76'
L2	N2°30'19"W	22.44'
L3	N84°33'47"W	138.15'
R4	R=994.14'	L=15.71'
L5	S87°21'19"E	58.42'
L6	N84°33'47"W	142.44'
L7	N78°40'32"W	48.79'
L8	N45°22'53"E	72.01'
L9	N45°22'53"E	94.30'
L10	N30°55'32"W	62.55'
L11	N45°22'53"E	22.29'
R12	R=132.04'	L=25.79'
R13	R=162.04'	L=31.65'
L14	N56°34'27"E	55.31'
L15	N56°34'27"E	53.95'
L16	N30°49'37"W	36.02'

71 — 73 — GARY SHARP AND WIFE BRENDA — 74 — BRENDA JOYCE SHARP — 74B — BALLEW JAMES ALLEN — 76 — CLAUDIA H. GOIN — 78 — PORTER DOUGLAS AND COOK CHERI — 81 — GENE BARRINGER AND WIFE MARGIE — 1345 — 1350 — 1355 — 8073 — STATE OF TENNESSEE — 70 — CLAUDIA H. GOIN — 72 — MARY LOU BILBREY — 72A — FILLIPO S LIMANDRI AND JULIE A LIMANDRI — 72B — BOBBY MOORE — 75 — LOUIS E. FRANKLIN AND ELSIE M. FRANKLIN (WIFE) — 77 — LOUIS E. FRANKLIN AND ELSIE M. FRANKLIN (WIFE) — 79 — JOHN M. DECK AND WIFE BONITA S. — 80 — JOHN MICHAEL DECK — 82 — CLAUDIA H. GOIN — 69 — THE GLORIA SMITH REVOCABLE LIVING TRUST

NO BUSINESS CREEK HAUL RD. STA. 0+00.00 = N 641278.7955 E 2244963.4790

LELAND PRYOR STA. 265+56.01 = S.R. 28 CONST. ℄ STA. 1344+33.00 N 641271.2678 E 2244893.7124

NO BUSINESS CREEK

P.L. & S.R. 28 N 0° 55' 36" W

PRESENT ROW

PROP. ROW (C.A.) & FENCE

FUTURE ℄

TEMP. CONST. ESMT.

BEGIN WTL-4 IMPACT STA. 1343+11.49

END WTL-4 IMPACT STA. 1342+88.23

BEGIN STR-5 IMPACT STA. 1343+12.64

END STR-5 IMPACT STA. 1342+88.23

ACCESS AND UTILITY EASEMENT BK.1686 PG.1002

MATCH LINE STA. 1342+00 SEE SHT. NO. 8A

MATCH LINE STA. 1355+00 SEE SHT. NO. 10A

GPS ⌀ S104 N 641055.7622 E 2244644.0241 EL. 1811.52

GPS ⌀ S48 N 641193.3944 E 2245035.1752 EL. 1793.70

GPS ⌀ S49 N 641912.1519 E 2244786.4307 EL. 1816.26

CP-S104 — CP-S48 — CP-S49

TOP OF CUT — TOE OF FILL

LEGEND

TEMPORARY CONSTRUCTION EASEMENT

NOTE: SLOPE LINES SHOWN TO REPRESENT THE ULTIMATE SECTION

SEALED BY

RICHARD R. HOLT REGISTERED ENGINEER 05.20.26 STATE OF TENNESSEE

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 1342+00 TO STA. 1355+00

SCALE: 1"= 50'

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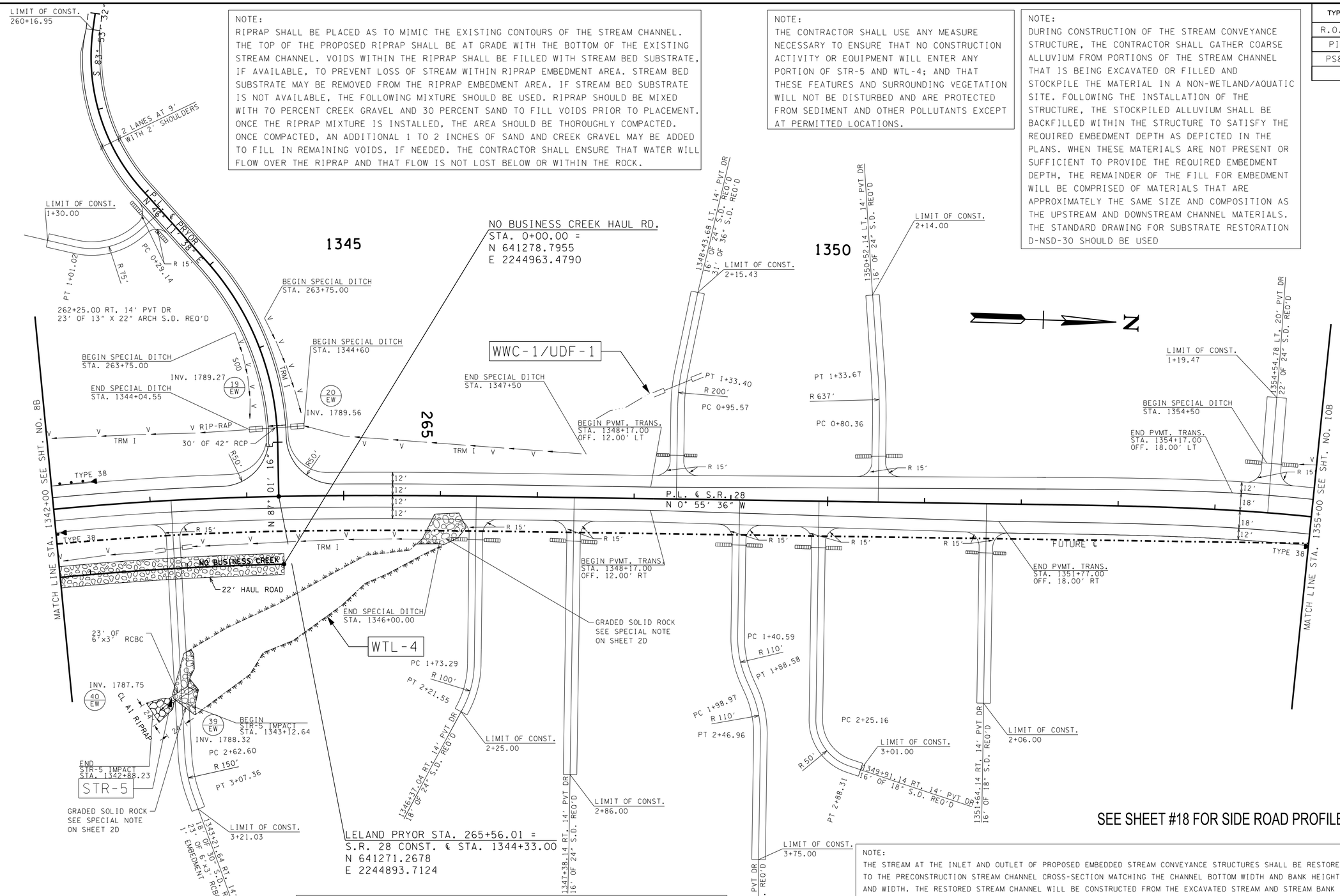
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	9B
PIH	2026	STP/NH/HPP-28(32)	9B
PS&E	2026	STP/NH/HPP-28(32)	9B

NOTE:
RIPRAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIPRAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIPRAP SHALL BE FILLED WITH STREAM BED SUBSTRATE, IF AVAILABLE, TO PREVENT LOSS OF STREAM WITHIN RIPRAP EMBEDMENT AREA. STREAM BED SUBSTRATE MAY BE REMOVED FROM THE RIPRAP EMBEDMENT AREA. IF STREAM BED SUBSTRATE IS NOT AVAILABLE, THE FOLLOWING MIXTURE SHOULD BE USED. RIPRAP SHOULD BE MIXED WITH 70 PERCENT CREEK GRAVEL AND 30 PERCENT SAND TO FILL VOIDS PRIOR TO PLACEMENT. ONCE THE RIPRAP MIXTURE IS INSTALLED, THE AREA SHOULD BE THOROUGHLY COMPACTED. ONCE COMPACTED, AN ADDITIONAL 1 TO 2 INCHES OF SAND AND CREEK GRAVEL MAY BE ADDED TO FILL IN REMAINING VOIDS, IF NEEDED. THE CONTRACTOR SHALL ENSURE THAT WATER WILL FLOW OVER THE RIPRAP AND THAT FLOW IS NOT LOST BELOW OR WITHIN THE ROCK.

NOTE:
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY OR EQUIPMENT WILL ENTER ANY PORTION OF STR-5 AND WTL-4; AND THAT THESE FEATURES AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT PERMITTED LOCATIONS.

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



SEE SHEET #18 FOR SIDE ROAD PROFILE

TRANSITIONS TABLE								
LOCATION	STATION		SIDE		OFFSET (FT.)		TYPE	
	FROM	TO	LT	RT	FROM	TO	SHLDR.	PVMT.
PRYOR	260+16.95	260+41.95		X	7.15	9.00		X
PRYOR	260+16.95	260+41.95	X		7.11	9.00		X
S.R. 28	1348+17.00	1351+77.00		X	12.00	18.00		X
S.R. 28	1348+17.00	1354+17.00	X		12.00	18.00		X

NOTE:
1. REMOVE THE TOP 12 INCHES OF TOPSOIL AND STOCKPILE IT UNTIL CONSTRUCTION IS COMPLETE.
2. ONCE CONSTRUCTION ACTIVITIES ARE COMPLETED, RESTORE ALL TEMPORARY WETLAND IMPACT AREAS TO PRE-CONSTRUCTION CONDITIONS. THIS INCLUDES REMOVING HAUL ROADS (IF APPLICABLE), RESTORING THE SITE TO THE ORIGINAL (PRE-CONSTRUCTION) ELEVATION, AND SPREADING STOCKPILED TOPSOIL BACK OVER THE WETLAND SITE.
3. THE AREA OF TEMPORARY IMPACTS WILL BE STABILIZED WITH WETLAND SEED MIXTURE (ITEM NO. 801-01.36) AND VEGETATION ACCORDING TO THE GIVEN PLANTING SCHEME.
4. WETLAND AREA LOCATED OUTSIDE OR PROPOSED RIGHT-OF-WAY AND CONSTRUCTION EASEMENTS ARE TO BE CLEARLY MARKED AND NOT TO BE DISTURBED.

NOTE:
THE STREAM AT THE INLET AND OUTLET OF PROPOSED EMBEDDED STREAM CONVEYANCE STRUCTURES SHALL BE RESTORED TO THE PRECONSTRUCTION STREAM CHANNEL CROSS-SECTION MATCHING THE CHANNEL BOTTOM WIDTH AND BANK HEIGHT AND WIDTH. THE RESTORED STREAM CHANNEL WILL BE CONSTRUCTED FROM THE EXCAVATED STREAM AND STREAM BANK MATERIALS, OR OTHER MATERIALS IF SPECIFIED, ONCE THE CONSTRUCTION OF THE STREAM CONVEYANCE STRUCTURE IS COMPLETE. REFER TO THE "EMBEDDING OF STRUCTURES" NOTE FOR SPECIFICATIONS OF EXCAVATED STREAM MATERIALS TO BE USED, IF APPLICABLE. WHEN RECONSTRUCTING THE STREAM BANK, USE A COIR FIBER ROLL AT THE TOE OF THE BANK TO PROVIDE BANK STABILITY WHILE NATIVE VEGETATION ESTABLISHES. STANDARD DRAWING D-NSD-33 MUST BE USED FOR COIR FIBER ROLL INSTALLATION. STREAM BANK MATERIALS EXCAVATED DURING THE CONSTRUCTION OF THE STREAM CONVEYANCE STRUCTURE, OR OTHER MATERIALS IF SPECIFIED, SHOULD BE USED WHEN RECONSTRUCTING THE STREAM BANK ONCE THE STRUCTURE IS COMPLETE. NATIVE SEED MIXTURES AS SPECIFIED IN STANDARD DRAWING STD-17-20 SHALL BE PLANTED ONCE THE BANK CONSTRUCTION IS COMPLETE. IF NATURAL CHANNEL DESIGN IS PROPOSED AT THE STRUCTURE INLET, OUTLET, OR BOTH, IMPLEMENT THE DESIGN AS SHOWN IN THE NATURAL CHANNEL DESIGN PLANS INSTEAD OF RESTORING THE CHANNEL TO THE PRECONSTRUCTION CROSS-SECTION.

SEALED BY

RICHARD R. HOLT REGISTERED ENGINEER 04.07.26 STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 1342+00 TO STA. 1355+00

SCALE: 1"= 50'

3/30/2026
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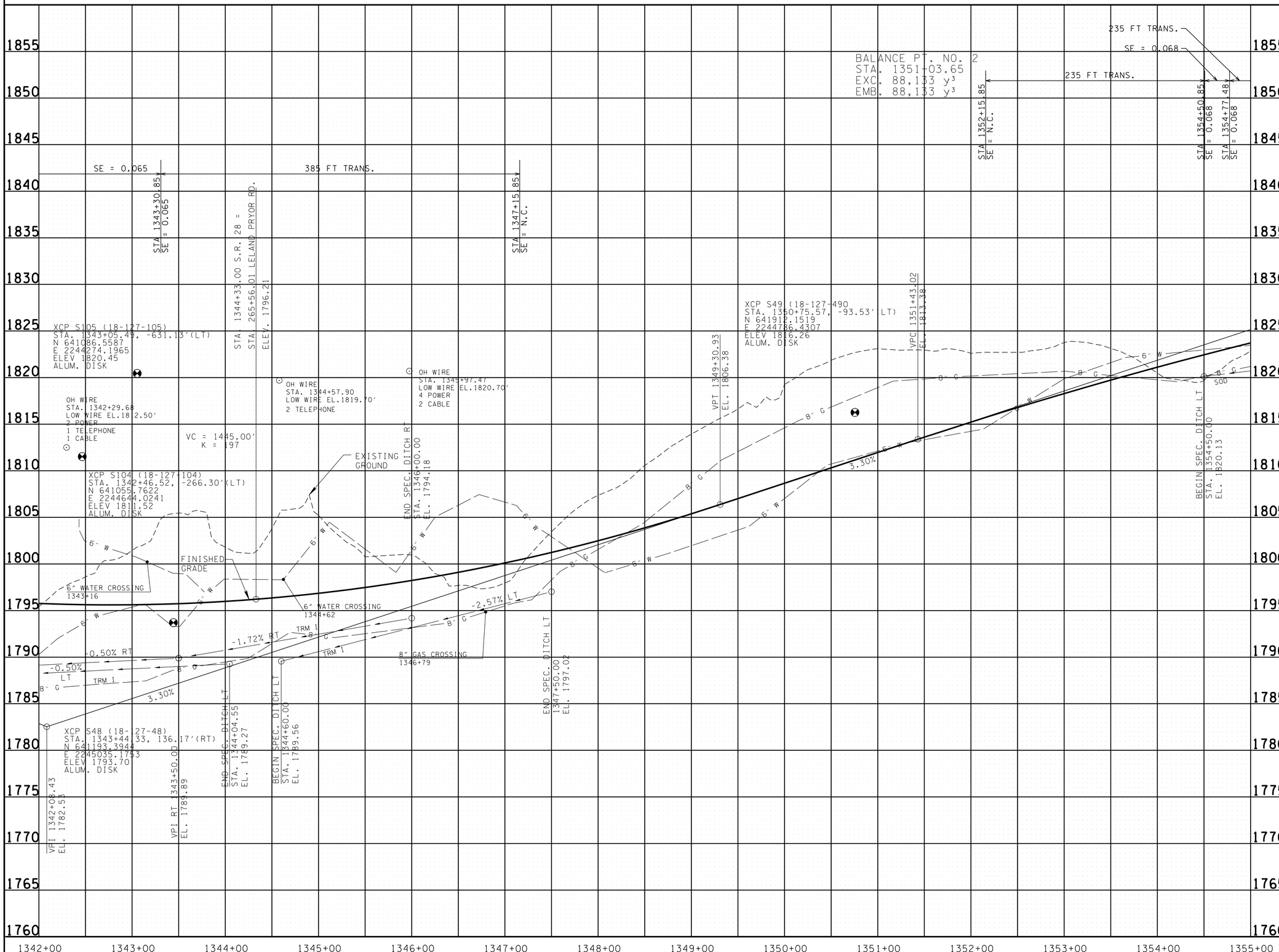
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	9C
PIH	2026	STP/NH/HPP-28(32)	9C
PS&E	2026	STP/NH/HPP-28(32)	9C



SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
04.07.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA.1342+00 TO STA.1355+00

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

3/30/2026
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GENE BARRINGER AND WIFE MARGIE

81

ASP

CLEAR CREEK ROAD

N

CURVE CLEARCREEK-1
PI 277+23.50
N 642,433.9532
E 2,244,727.9928
Δ 3° 43′ 48″ (RT)
D 2° 29′ 59″
R 2,292.00
L 149.21
T 74.63

CURVE SR 28-5
PI 1359+91.11
N 642,825.8559
E 2,244,937.2022
Δs 7° 50′ 57″ (LT)
θs 3° 31′ 30″
Δc 0° 47′ 57″ (LT)
Dc 3° 00′ 00″
Rc 1,909.86
Lc 26.64
Ts 248.59
Ls 235.00
SE 0.068 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 235

LIMIT OF CONST. 275+52.65

TO BE REMOVED 21′ OF 12″CMP

WOOD

GRV.

P.L. ℄ CLEARCREEK S 8° 55′ 40″ E

CUMBERLAND MOUNTAIN WOOD CHUCK

1355

PC 276+48.87

GENES GARAGE 1-BL. BUS.

END FENCE 1355+34.39

P/CATV

W.M.

PT 277+98.08

SR 28 (US 127)

MBMB

TOP OF CUT

GRV.

S 84° 11′ 52″ E

(REMOVE) TR. RES.

P.L. ℄ S.R. 28 N 6° 55′ 21″ E

84

CHARLOTTE J. JONES

WOOD

GPS = S50
N 642519.5463
E 2244823.1258
EL. 1827.44

MATCH LINE STA. 1355+00 SEE SHT. NO. 9

ST 1357+12.48

BEGIN WTL-5 IMPACT STA. 1358+02.76

END FENCE 1355+63.84

WTL-5

STR-6

PROP. ROW & PERM. (C.A.) FENCE

CLEARCREEK STA. 278+84.79 =
S.R. 28 CONST. ℄ STA. 1355+80.00
N 642417.6422
E 2244888.5095

18″CMP TO REMAIN

BEGIN FENCE 1356+22.72

86

LAWRENCE PEIPER AND WIFE TERRY PEIPER

CLAUDIA H. GOIN

82

UNNAMED TRIBUTARY

83

RONALD FRANK WEBB

TR. RES.

BEGIN FENCE 1356+25.78

END FENCE 1356+53.28

BEGIN FENCE 1357+02.82

ANJANETTE CONLEY

85

WTL-6

24″CMP TO REMAIN

1360

BEGIN WTL-6 IMPACT STA. 1360+86.00

END WTL-6 IMPACT STA. 1361+19.83

SC 1359+77.52

CS 1360+04.16

ST 1362+39.16

WTL-6

P/CATV

PROP. ROW

PRES. ROW & PROP. (C.A.) FENCE

W.M.

22.5

COPPERHEAD LANE

END WTL-5 IMPACT STA. 1360+68.18

BEGIN TEMPORARY STR-6 IMPACT STA. 1360+59.56

WOVEN WIRE

COPPER ROAD

FUTURE ℄

TOE OF FILL

TEMP. CONST. ESMT.

END TEMPORARY STR-6 IMPACT STA. 1360+42.01

BARN (REMOVE)

GRADED SOLID ROCK SEE SPECIAL NOTE ON SHEET 2D

TEMP. CONST. ESMT.

END FENCE 1361+79.61

87

LAWRENCE PEIPER AND WIFE TERRY PEIPER

88

TWANA A. REAGAN

OBSCURED

NO INFORMATION

WELL

1365

BEGIN FENCE 1367+30.37

END FENCE 1366+79.29

EIP

TO BE REMOVED 41′ OF 18″CMP

TOP OF CUT

FUTURE ℄

P.L. ℄ S.R. 28 N 0° 55′ 36″ W

BEGIN FENCE 1362+29.56

END FENCE 1364+07.99

BEGIN FENCE 1364+57.99

89

LAWRENCE PEIPER AND WIFE TERRY PEIPER

GATE

FOUNDATION (REMOVE)

METAL STAKE

END FENCE 1366+73.99

TR. RES.

BEGIN FENCE 1367+23.90

90

DAVID JUDD

91

DAVID JUDD OR DEBORAH MARIE SMITH

MATCH LINE STA. 1367+50 SEE SHT. NO. 11

LEGEND	WETLAND IMPACTS	WTL-5	WTL-6
	AREA OF PERMANENT IMPACT	0.306 AC.	0 AC.
	VOLUME OF PERMANENT IMPACT	493 C.Y.	0 C.Y.
	AREA OF TEMPORARY IMPACT	0.023 AC.	0.003 AC.
	VOLUME OF TEMPORARY IMPACT	37 C.Y.	5 C.Y.

CONTROL POINTS

POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESC.
S104	641055.7622	2244644.0241	1811.52	1342+46.52	266.30′ (LT)	ALUM. DISK
S105	641086.5587	2244274.1965	1820.45	1343+05.49	631.13′ (LT)	ALUM. DISK
S48	641193.3944	2245035.1753	1793.70	1343+44.33	136.17′ (RT)	ALUM. DISK
S49	641912.1519	2244786.4307	1816.26	1350+75.57	93.53′ (LT)	ALUM. DISK

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	10
PIH	2026	STP/NH/HPP-28(32)	10
PS&E	2026	STP/NH/HPP-28(32)	10

REV. 02-09-21: REMOVED STRIKE THROUGH FROM TRACT 88. ADDED BEGIN & END C.A. FENCE LABELS.

REV. 01-11-22: UPDATED OWNER FOR TRACT 91. ADDED Z-BAR BETWEEN TRACTS 87 & 89. STRIKED THROUGH TRACT 89.

REV. 02-14-24: UPDATED TEMPORARY CONSTRUCTION EASEMENT HATCHING & LINESTYLE. CHANGED TRACT 82 PROPERTY OWNER. ADDED GATE TO TRACT 86. UPDATED SURVEY FOR TRACT 88. TO REMOVE IMPROVEMENTS NO LONGER ON THE PROPERTY.

REV. 04-01-24: REVISED TRACT 81 ROW. REMOVED TRACT 81 CONST. EASEMENT.

REV. 10-29-24: REVISED TRACT 84, 86, 90, & 91 PROPERTY LINES.

REV. 10-20-25: UPDATED TRACT 90 OWNER.

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

LEGEND

AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.

TEMPORARY CONSTRUCTION EASEMENT

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 1355+00 TO STA. 1367+50

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	10A
PIH	2026	STP/NH/HPP-28(32)	10A
PS&E	2026	STP/NH/HPP-28(32)	10A

REV. 02-09-21: REMOVED STRIKE THROUGH FROM TRACT 88. ADDED BEGIN & END C.A. FENCE LABELS.

REV. 01-11-22: UPDATED OWNER FOR TRACT 91. ADDED Z-BAR BETWEEN TRACTS 87 & 89. STRIKED THROUGH TRACT 89.

REV. 02-14-24: UPDATED TEMPORARY CONSTRUCTION EASEMENT HATCHING & LINESTYLE. CHANGED TRACT 82 PROPERTY OWNER.

REV. 04-01-24: REVISED TRACT 81 ROW. REMOVED TRACT 81 CONST. EASEMENT.

REV. 10-29-24: REVISED TRACT 84, 86, 90, & 91 PROPERTY LINES.

REV. 07-03-25: REVISED SLOPE LINES & TRACT 84 PROPERTY LINE INFORMATION.

REV. 10-20-25: UPDATED TRACT 90 OWNER.

NOTE:
SLOPE LINES SHOWN TO REPRESENT THE ULTIMATE SECTION

LEGEND

TEMPORARY CONSTRUCTION EASEMENT

81
GENE BARRINGER AND WIFE MARGIE

88
TWANA A. REAGAN

85
ANJANETTE CONLEY

83
RONALD FRANK WEBB

84
CHARLOTTE J. JONES

89
LAWRENCE PEIPER AND WIFE TERRY PEIPER

86
LAWRENCE PEIPER AND WIFE TERRY PEIPER

87
LAWRENCE PEIPER AND WIFE TERRY PEIPER

90
DAVID JUDD

91
DAVID JUDD OR DEBORAH MARIE SMITH

82
CLAUDIA H. GOIN

1355
1360
1365

275

P.L. ℄ CLEARCREEK
S 84° 55' 40" E

PRESENT ROW N88°00'52"W 422.61'
PRESENT ROW N88°06'26"W 318.77'
LIMIT OF CONST. 275+52.65
275+42.00 24.19'
275+46.00 25.17'
N 88° 06' 26" W 230.04'
275+42.00 40.91'
N 2°4' 20" E 16.72'
S 89° 12' 33" W 63.24'
N11°16'31"W 89.76'
N01°49'06"W 59.16'
1356+69.81 291.11'
1357+54.55 319.11'
276+05.16 44.06'
276+06.50 24.29'
277+00.00 49.45'
1356+07.87 113.68'
277+07.93 49.44'
N79°4'44"W 162.58'
S89°12'33"W 96.90'
N88°21'22"W 166.54'
N0°03' 05"E 402.22'
N88°36'3"W 63.59'
BEGIN FENCE 1356+25.78
S 84° 11' 52" E 70.90'
1356+26.00 116.25'
R=9800.20' L=28.63'
END FENCE 1356+53.28
1356+53.80 120.38'
END FENCE 1355+34.39
1355+35.43 111.83'
R=9800.20' L=51.68'
1355+10.17 102.00'
278+25.25
R=9850.20' L=78.59'
1355+14.61 52.21'
1355+59.71 107.39'
R=9850.20' L=71.50'
1355+91.18 60.98'
R=9800.20' L=18.75'
1356+61.11 70.93'
N01°13'16"W 143.39'
TOE OF FILL
S 84° 39' 37" E 16.88'
1359+00.00 170.48'
N84°03'11"E 183.10'
1357+95.72 140.56'
1359+00.00 153.60'
N 1° 13' 16" W 101.49'
PROP. ROW (C.A.) & FENCE
N 1° 13' 16" W 476.89'
N01°13'16"W 427.97'
1363+95.99 185.79'
N88°19'39"W 16.79'
N88°19'39"W 501.29'
1366+15.72 170.15'
END FENCE 1366+79.29
BEGIN FENCE 1367+30.37
1367+24.41 177.63'
N86°40'46"W 7.49'
1367+23.85 170.16'
N86°40'46"W 802.88'
EIP
PRES. ROW & PROP (C.A.) FENCE
N01°13'16"W 220.50'
TOP OF CUT
1363+95.23 169.02'
R=16241.75' L=20.40'
Rs=16191.75' L=108.13'
R6
N01°13'16"W 363.50'
N01°13'16"W 192.21'
N01°13'16"W 258.64'
N01°13'16"W 128.08'
R=16241.75' L=87.43'
R7
1364+87.48 119.50'
1366+15.56 120.15'
1367+02.99 120.11'
1367+23.39 120.16'
1358+52.50 97.62'
1362+28.83 118.17'
N88°13'06"W 213.75'
N88°20'10"W 201.43'
L8
1366+97.17 36.00'
1367+17.42 36.00'
N86°58'11"W 206.02'
1366+94.68
1367+13.97
L9
L10
1366+88.77 85.42'
N03°34'25"E 59.15'
METAL STAKE
NO1°17'03"W 151.43'
1365+37.34 86.37'
END FENCE 1366+73.99
N 0° 24' 00" W 16.98'
1367+05.75 85.58'
1367+05.54 87.74'
BEGIN FENCE 1367+23.90
N 0° 24' 00" W 191.09'
N83°02'07"W 236.91'
N83°02'26"W 237.88'
N 0° 47' 17" W 168.31'
MATCH LINE STA. 1355+00 SEE SHT. NO. 9A
MATCH LINE STA. 1367+50 SEE SHT. NO. 11A

P.L. ℄ S.R. 28
N 6° 55' 21" E
1355+96.10
1355+97.53 17.32'
1356+02.69 101.22'
S 87° 21' 19" E 68.54'
N 1° 24' 27" W 406.74'
END FENCE 1355+63.84
S 87° 21' 19" E 88.92'
1356+12.95 258.38'
N87°21'19"W 156.30'
1356+07.07 169.63'
BEGIN FENCE 1356+22.72
PROP. ROW (C.A.) & FENCE N 1° 24' 27" W 269.15'
CLEARCREEK STA. 278+84.79 =
S.R. 28 CONST. ℄ STA. 1355+80.00
N 642417.6422
E 2244888.5095
S 1° 42' 22" E 293.45'
1357+61.04
1358+92.71 58.95'
S 81°29'22" W
GPS = S50
N 642519.5463
E 2244823.1258
EL. 1827.44
FUTURE ℄
1362+24.95 36.00'
1362+23.25
P.L. ℄ S.R. 28
N 0° 55' 36" W
1364+83.70 36.00'
1364+82.08
BEGIN FENCE 1364+57.99
END FENCE 1364+07.99
TOE OF FILL
BEGIN FENCE 1362+29.56
TEMP. CONST. ESMT.
N 3° 55' 43" W 84.04'
N27°11'21"W 50.10'
1360+15.00 130.61'
N3°55'43"W 82.23'
N 3° 55' 43" W 115.31'
S 3° 55' 43" E 62.55'
1363+63.23 87.77'
N 3° 55' 43" W 82.13'
1363+00.76 91.04'
1362+18.79 95.35'
END FENCE 1361+79.61
1361+37.77 100.04'
S 86° 04' 17" W 36.18'
1363+65.12 123.89'
N 86° 04' 17" E 34.89'
1363+02.59 125.89'
N 2° 45' 12" W 62.56'
TEMP. CONST. ESMT.
N 86° 04' 17" E 24.37'
1364+78.38 81.73'
N27°11'21"W 76.94'
1359+53.35 169.52'
N27°11'21"W 96.11'
S76°55'23"W 74.62'
S76°55'23"W 12.47'
1359+56.73 181.44'
1358+77.63 220.70'
1360+22.67 160.73'
1361+39.28 124.37'
S86°04'17"W 23.21'
1360+56.62 106.38'
S 3° 08' 02" E 84.05'
1360+58.59 129.50'
N88°13'06"W 422.19'

Element	Direction	Distance
L1	N88°37'46"W	78.56'
L2	N87°21'19"W	84.05'
L3	N88°00'52"W	64.50'
L4	S1°49'06"E	19.82'
R6	R=16191.75'	L=43.59'
R7	R=16241.75'	L=44.36'
L8	N86°52'22"W	84.37'
L9	N85°26'30"W	122.14'
L10	N85°26'30"W	2.17'

CONTROL POINTS

POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESC.
S104	641055.7622	2244644.0241	1811.52	1342+46.52	266.30' (LT)	ALUM. DISK
S105	641086.5587	2244274.1965	1820.45	1343+05.49	631.13' (LT)	ALUM. DISK
S48	641193.3944	2245035.1753	1793.70	1343+44.33	136.17' (RT)	ALUM. DISK
S49	641912.1519	2244786.4307	1816.26	1350+75.57	93.53' (LT)	ALUM. DISK

SEALED BY

RICHARD R. HOLT
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04.07.26
COMMERCE
NO. 109252
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 1355+00 TO STA. 1367+50

SCALE: 1"= 50'

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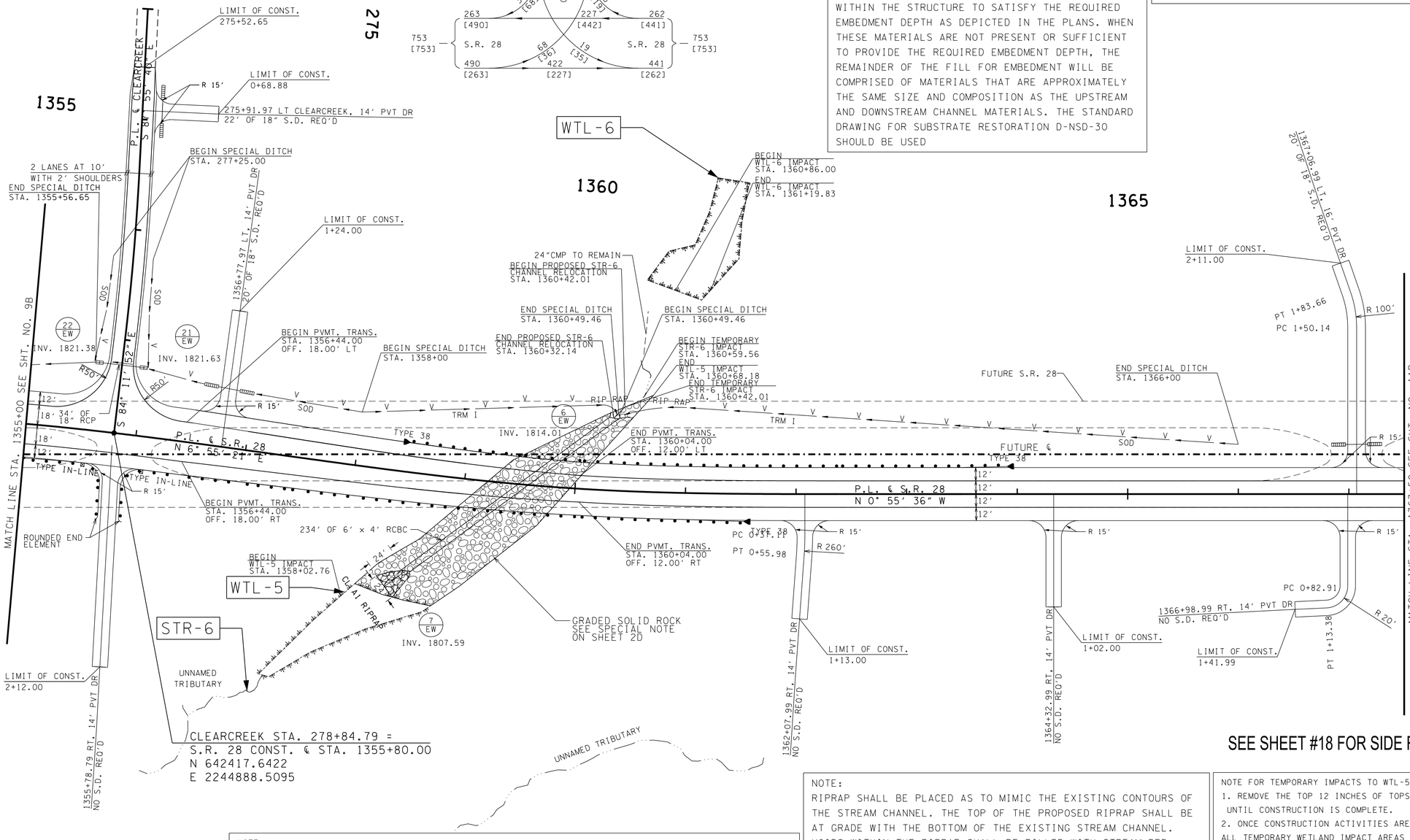
TRANSITIONS TABLE								
LOCATION	STATION		SIDE		OFFSET (FT.)		TYPE	
	FROM	TO	LT	RT	FROM	TO	SHLDR.	PVMT.
CLEARCREEK	275+77.65	275+52.65		X	10.00	9.49		X
CLEARCREEK	275+77.65	275+52.65	X		10.00	9.49		X
S.R. 28	1356+44.00	1360+04.00	X		18.00	12.00		X
S.R. 28	1356+44.00	1360+04.00		X	18.00	12.00		X

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

NOTE:
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY OR EQUIPMENT WILL ENTER ANY PORTION OF STR-6, WTL-5, AND WTL-6; AND THAT THESE FEATURES AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT PERMITTED LOCATIONS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	10B
PIH	2026	STP/NH/HPP-28(32)	10B
PS&E	2026	STP/NH/HPP-28(32)	10B



SEE SHEET #18 FOR SIDE ROAD PROFILE

NOTE:
THE STREAM AT THE INLET AND OUTLET OF PROPOSED EMBEDDED STREAM CONVEYANCE STRUCTURES SHALL BE RESTORED TO THE PRECONSTRUCTION STREAM CHANNEL CROSS-SECTION MATCHING THE CHANNEL BOTTOM WIDTH AND BANK HEIGHT AND WIDTH. THE RESTORED STREAM CHANNEL WILL BE CONSTRUCTED FROM THE EXCAVATED STREAM AND STREAM BANK MATERIALS, OR OTHER MATERIALS IF SPECIFIED, ONCE THE CONSTRUCTION OF THE STREAM CONVEYANCE STRUCTURE IS COMPLETE. REFER TO THE "EMBEDDING OF STRUCTURES" NOTE FOR SPECIFICATIONS OF EXCAVATED STREAM MATERIALS TO BE USED, IF APPLICABLE. WHEN RECONSTRUCTING THE STREAM BANK, USE A COIR FIBER ROLL AT THE TOE OF THE BANK TO PROVIDE BANK STABILITY WHILE NATIVE VEGETATION ESTABLISHES. STANDARD DRAWING D-NSD-33 MUST BE USED FOR COIR FIBER ROLL INSTALLATION. STREAM BANK MATERIALS EXCAVATED DURING THE CONSTRUCTION OF THE STREAM CONVEYANCE STRUCTURE, OR OTHER MATERIALS IF SPECIFIED, SHOULD BE USED WHEN RECONSTRUCTING THE STREAM BANK ONCE THE STRUCTURE IS COMPLETE. NATIVE SEED MIXTURES AS SPECIFIED IN STANDARD DRAWING STD-17-20 SHALL BE PLANTED ONCE THE BANK CONSTRUCTION IS COMPLETE. IF NATURAL CHANNEL DESIGN IS PROPOSED AT THE STRUCTURE INLET, OUTLET, OR BOTH, IMPLEMENT THE DESIGN AS SHOWN IN THE NATURAL CHANNEL DESIGN PLANS INSTEAD OF RESTORING THE CHANNEL TO THE PRECONSTRUCTION CROSS-SECTION.

NOTE:
RIPRAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIPRAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIPRAP SHALL BE FILLED WITH STREAM BED SUBSTRATE, IF AVAILABLE, TO PREVENT LOSS OF STREAM WITHIN RIP-RAP AREAS. STREAM BED SUBSTRATE MAY BE REMOVED FROM THE RIP-RAP EMBEDMENT AREA. IF STREAM BED SUBSTRATE IS NOT AVAILABLE, THE FOLLOWING MIXTURE SHOULD BE USED. RIPRAP SHOULD BE MIXED WITH 70 PERCENT CREEK GRAVEL AND 30 PERCENT SAND TO FILL VOIDS PRIOR TO PLACEMENT. ONCE THE RIPRAP MIXTURE IS INSTALLED, THE AREA SHOULD BE THOROUGHLY COMPACTED. ONCE COMPACTED, AN ADDITIONAL 1 TO 2 INCHES OF SAND AND CREEK GRAVEL MAY BE ADDED TO FILL IN THE REMAINING VOIDS, IF NEEDED. THE CONTRACTOR SHALL ENSURE THAT WATER WILL FLOW OVER THE RIPRAP AND THAT FLOW IS NOT LOST BELOW OR WITHIN THE ROCK.

NOTE FOR TEMPORARY IMPACTS TO WTL-5:
1. REMOVE THE TOP 12 INCHES OF TOPSOIL AND STOCKPILE IT UNTIL CONSTRUCTION IS COMPLETE.
2. ONCE CONSTRUCTION ACTIVITIES ARE COMPLETED, RESTORE ALL TEMPORARY WETLAND IMPACT AREAS TO PRE-CONSTRUCTION CONDITIONS. THIS INCLUDES REMOVING HAUL ROADS (IF APPLICABLE), RESTORING THE SITE TO THE ORIGINAL (PRE-CONSTRUCTION) ELEVATION, AND SPREADING STOCKPILED TOPSOIL BACK OVER THE WETLAND SITE.
3. THE AREA OF TEMPORARY IMPACTS WILL BE STABILIZED WITH WETLAND SEED MIXTURE (ITEM NO. 801-01.36) AND VEGETATION ACCORDING TO THE GIVEN PLANTING SCHEME.
4. WETLAND AREA LOCATED OUTSIDE OF PROPOSED RIGHT-OF-WAY AND CONSTRUCTION EASEMENTS ARE TO BE CLEARLY MARKED AND NOT TO BE DISTURBED.

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 1355+00 TO STA. 1367+50

SCALE: 1"= 50'

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	10C
PIH	2026	STP/NH/HPP-28(32)	10C
PS&E	2026	STP/NH/HPP-28(32)	10C

SE = 0.068

235 FT TRANS.

235 FT TRANS.

235 FT TRANS.

STA 1357+42.52
SE = N.C.

STA 1359+77.52
SE = 0.068

STA 1360+04.16
SE = N.C.

STA 1362+39.16
SE = 0.068

STA 1357+12.48
SE = N.C.

BALANCE PT. NO. 3
STA. 1359+32.00
EXC. 100,294 y³
EMB. 100,294 y³

STA 1355+80.00 S.R. 28 =
STA 280+84.82 CLEARCREEK RD.
ELEV. 1825.64

XCP S50 (18-127-50)
STA. 1356+73.47, -76.35'(LT)
N 642511.5463
E 2244823.1258
ELEV 1827.44
ALUM. DISK

3.30%

FINISHED GRADE

EXISTING GROUND

-1.17% LT

-0.54% LT

-2.16% LT

-4.36% LT

-3.00% LT

-4.67% LT

-3.31% LT

6" W

8" G

SOD

TRM 1

RIP RAP

234 LF OF 6'X4' RCBC

VPI LT 1355+56.65
EL. 1821.38

VPI LT 1356+02.70
EL. 1821.63

SPEC. DITCH LT
STA. 1358+00.00
EL. 1825.88

SPEC. DITCH LT
STA. 1360+49.46
EL. 1815.01

VPI LT 1362+00.00
EL. 1820.00

VPI LT 1363+02.00
EL. 1824.67

END SPEC. DITCH LT
STA. 1366+00.00
EL. 1833.67

BOX CULVERT

STATION:	**1359+53.10**	
STRUCTURE:	**234 LF OF 6'x4' RCBC AT 2.75%**	
SKEW	**41**	**DEG.**
DRAINAGE AREA	**11.87**	**AC.**
DESIGN DISCHARGE (Q50)	**13.35**	**CFS**
DESIGN DISCHARGE (Q100)	**15.31**	**CFS**
Q50 HEADWATER ELEV.	**1817.51**	
Q100 HEADWATER ELEV.	**1817.60**	
VELOCITY (Q50)	**4.70**	**FT/S**
VELOCITY (Q100)	**4.96**	**FT/S**
ENDWALLS REQUIRED:	**4**	**EA.**

STANDARD DRAWING NOS.:
STD-17-08, STD-17-11, STD-17-14, STD-17-17, STD-17-18 STD-17-20, STD-17-51

1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825 1820 1815 1810 1805 1800 1795 1790 1785 1780

1355+00 1356+00 1357+00 1358+00 1359+00 1360+00 1361+00 1362+00 1363+00 1364+00 1365+00 1366+00 1367+00 1368+00

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
04.01.26
COMMISSION
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 1355+00 TO STA.1367+50

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

3/30/2026
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CURVE SR 28-6		CURVE CONLEY-1	
PI	1374+15.03	PI	291+57.71
N	644,250.1368	N	644,400.4159
E	2,244,914.1673	E	2,244,988.3441
Δs	14° 05′ 21″ (LT)	Δ	12° 11′ 44″ (RT)
θs	3° 48′ 08″	D	8° 00′ 08″
Δc	6° 29′ 05″ (LT)	R	716.00
Dc	1° 58′ 31″	L	152.40
Rc	2,900.79	T	76.49
Lc	328.31		
Ts	551.20		
Ls	385.00		
SE	0.065 FT/FT		
DESIGN SPEED	70 MPH		
TRANS. LENGTH	385		

CONLEY STA. 290+36.03 =
S.R. 28 CONST. ℄ STA. 1375+46.00
N 644378.0352
E 2244868.7341

GPS * S51
N 643601.9306
E 2244751.4537
EL. 1841.42

GPS * S52
N 644142.0043
E 2244791.2837
EL. 1829.02

GPS * S53
N 644743.3716
E 2244614.9415
EL. 1816.33

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	11
PIH	2026	STP/NH/HPP-28(32)	11
PS&E	2026	STP/NH/HPP-28(32)	11

REV. 02-09-21: REMOVED STRIKE THROUGH FROM TRACTS 92 & 97. ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: UPDATED OWNERS FOR TRACTS 91, 92 & 97. UPDATED TRACT 95 BARN AS GONE.
REV. 02-14-24: REMOVED RUIN & SPOTTED SHED DRIVEWAY ON TRACT 91. REVISED TRACTS 92 & 97 PROPERTY LINES. REVISED PROP. (C.A.) FENCE ON TRACT 95. CHANGED TRACT 97 PROPERTY OWNER.
REV. 03-16-26: UPDATED TRACT 92 PRESENT AND PROPOSED ROW LINEWORK. UPDATED SLOPE LINES.
REV. 05-06-26: UPDATED TRACT 92 SURVEY. ADDED DRIVEWAY AT STA. 1375+61.39.

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

LEGEND
AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.

SEALED BY
RICHARD R. HOLT REGISTERED ENGINEER 118784 COMMISSION No. 104329 STATE OF TENNESSEE
05-10-26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 1367+50 TO STA. 1380+50

SCALE: 1"= 50'

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Element	Direction	Distance
L1	N84°42'50"E	40.69'
L2	S89°10'45"W	66.61'
L3	N89°45'51"W	104.52'
L4	N88°42'29"W	89.68'
L5	N89°10'45"E	109.72'
L6	N89°45'51"W	105.26'
L7	N88°42'27"W	89.86'
L8	N3°24'25"W	33.05'
L9	S2°58'14"W	23.85'
L10	N42°49'08"W	30.60'
L11	N44°21'30"W	20.52'
L12	N06°54'18"E	3.04'
L13	N01°55'38"E	11.09'
L14	N31°03'48"E	16.39'
L15	N06°29'46"W	28.74'
L16	N05°27'09"W	46.79'
L17	N14°56'42"W	32.35'
L18	N13°32'44"W	48.19'
L19	N12°35'53"W	35.53'
L20	N14°25'24"W	45.26'
L21	N13°51'32"W	62.92'
L22	N24°17'17"W	57.07'
L23	N24°21'10"W	51.68'
L24	S87°49'59"W	19.89'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	11A
PIH	2026	STP/NH/HPP-28(32)	11A
PS&E	2026	STP/NH/HPP-28(32)	11A

REV. 02-09-21: REMOVED STRIKE THROUGH FROM TRACTS 92 & 97. ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: UPDATED OWNERS FOR TRACTS 91, 92 & 97.
REV. 02-14-24: REVISED TRACTS 92 & 97 PROPERTY LINES. CHANGED TRACT 97 PROPERTY OWNER. ADDED MISSING STATION LABELS.
REV. 03-16-26: UPDATED TRACT 92 PRESENT AND PROPOSED ROW LINEWORK.
REV. 03-24-26: ADDED PROPOSED ROW LABELS.
REV. 05-06-26: ADDED DRIVEWAY AT STA. 1375+61.39.

NOTE:
SLOPE LINES SHOWN TO REPRESENT THE ULTIMATE SECTION

92
PALMA STOUT

CONLEY STA. 290+36.03 =
S.R. 28 CONST. ℄ STA. 1375+46.00
N 644378.0352
E 2244868.7341

97
JOSHUA CASTLEN

PALMA STOUT
96

1370
1375
1380

R=16191.75'
L=43.59'
1367+67.44
170.37'
NO1°16'37"W
362.00'
PRES. ROW & PROP. (C.A.) FENCE
END FENCE
1371+38.29
1371+35.05
169.70'
BEGIN FENCE
1371+90.67
R=1888.48'
L=186.19'
1374+23.75
194.94'
1374+18.77
191.53'
1373+92.02
173.98'
1373+66.71
175.78'
1373+31.41
193.46'
1373+31.58
177.69'
N83°04'26"E
9.22'
1373+31.66
168.48'
B
C
L8
L9
L10
L11
L12
L13
L14
L15
L16
N83°04'26"E
15.78'
1374+36.56
203.62'
1374+39.71
202.81'
1374+51.43
200.78'
1374+64.91
190.27'
1374+57.85
195.79'
1374+95.61
188.86'
END FENCE
1375+36.39
1375+79.94
187.34'
1377+81.40
189.93'
1377+16.11
189.91'
1376+68.70
188.90'
1376+31.18
188.85'
PROP. ROW (C.A.)
& FENCE
L17
L18
L19
L20
L21
L22
L23
L24
BEGIN FENCE
1375+86.39
1375+45.46
185.07'
R=1863.48'
L=535.34'
1378+97.61
228.04'
R=1863.48'
L=2.14'
A
1378+95.47
227.72'
1378+91.03
208.32'
R=1863.48'
L=278.14'
1378+39.15
199.72'
R=1963.48'
L=365.49'
TOP OF CUT
1378+61.17
122.12'
R=1963.48'
L=201.22'
1376+56.69
104.07'
SO1°43'52"E
187.33'
N87°13'15"W
59.96'
1379+56.33
36.00'
1380+16.71
20.40'
NO0°31'36"W
116.64'
R=1123.88'
L=344.84'
1379+36.78
1379+85.28
11.74'
NO0°20'54"W
17.10'
1380+01.83
16.07'
N 88° 40' 22" W
82.53'
BEGIN FENCE
1380+27.51
R=1115.17'
L=335.13'
1380+01.83
16.07'
S 10° 36' 48" E
220.07'
1379+62.15
94.00'
S 10° 36' 48" E
16.50'
END FENCE
1379+75.92
1379+78.60
95.27'
S 13° 46' 59" E
163.25'
1378+00.00
91.13'
N86°49'51"W
456.81'
MATCH LINE STA. 1380+50 SEE SHT. NO. 12A
MATCH LINE STA. 1367+50 SEE SHT. NO. 10A
FUTURE ℄
N 88° 15' 37" W
123.48'
P.L. ℄ S.R. 28
N 0° 55' 36" W
1369+02.60
36.00'
N88°19'05"W
85.30'
1369+00.90
1368+96.79
87.34'
BEGIN FENCE
1368+37.99
N 0° 24' 0" W
191.09'
END FENCE
1368+80.09
END FENCE
1367+87.99
TOE OF FILL
1368+80.10
91.81'
BEGIN FENCE
1369+29.92
N 88° 15' 37" W
4.47'
1368+96.58
91.80'
S 0° 56' 51" E
16.51'
N 0° 24' 0" W
277.62'
PROP. ROW (C.A.) & FENCE
A
1371+70.53
94.27'
N 6° 49' 25" W
232.26'
1373+95.92
88.61'
N 6° 49' 25" W
106.72'
1374+99.37
92.03'
END FENCE
1374+98.42
N 83° 10' 35" E
54.52'
291+69.36
7.31'
291+89.10
44.08'
N 73° 28' 35" E
71.41'
1373+32.18
118.47'
N83°04'26"E
25.00'
1373+32.43
93.47'
1371+33.67
119.72'
R=1938.48'
L=191.12'
NO6°18'11"W
94.33'
1374+29.87
91.76'
1374+19.02
36.03'
N87°24'59"W
56.73'
1374+12.13
N 87° 16' 17" W
126.80'
NO3°13'15"W
135.61'
1375+68.65
76.51'
1375+64.52
36.03'
1375+58.07
1375+52.90
29.57'
291+03.91
1375+92.51
74.81'
NO1°24'24"W
399.27'
1378+42.99
64.93'
1377+83.97
36.03'
1375+85.10
36.03'
1375+78.39
1375+72.38
33.08'
1375+85.55
112.45'
S 18° 35' 24" E
220.80'
BEGIN FENCE
1375+83.61
N 84° 51' 46" W
61.02'
291+71.02
12.62'
292+01.62
35.12'
S 77° 35' 09" E
60.93'
292+59.91
22.94'
S 1° 48' 53" W
12.62'
292+59.86
10.32'
292+59.73
23.17'
S 1° 48' 53" W
13.49'
292+59.78
9.68'
P.L. ℄ CONLEY
S 88° 24' 10" E
PRESENT ROW
N 79° 24' 06" E
P.L. ℄ S.R. 28
N 15° 00' 56" W
N88°19'05"W
1563.44'
N87°16'17"W
1589.58'
S 88° 11' 07" E
1476.47'
S 88° 11' 07" E
1939.95'
N88°40'22"W
1413.78'

91
DAVID JUDD
OR DEBORAH
MARIE SMITH

93
MURRELL THOMAS BRADY

94
JAMES C. HOWARD
AND WIFE EMMA J.

95
GROVER ATKINSON
AND WIFE WANDA

99
JAMES HOWE
AND WIFE
LILLIAN B.

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
LICENSE NUMBER
COMMERCE
STATE OF TENNESSEE
05.30.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 1367+50 TO STA. 1380+50

SCALE: 1"= 50'

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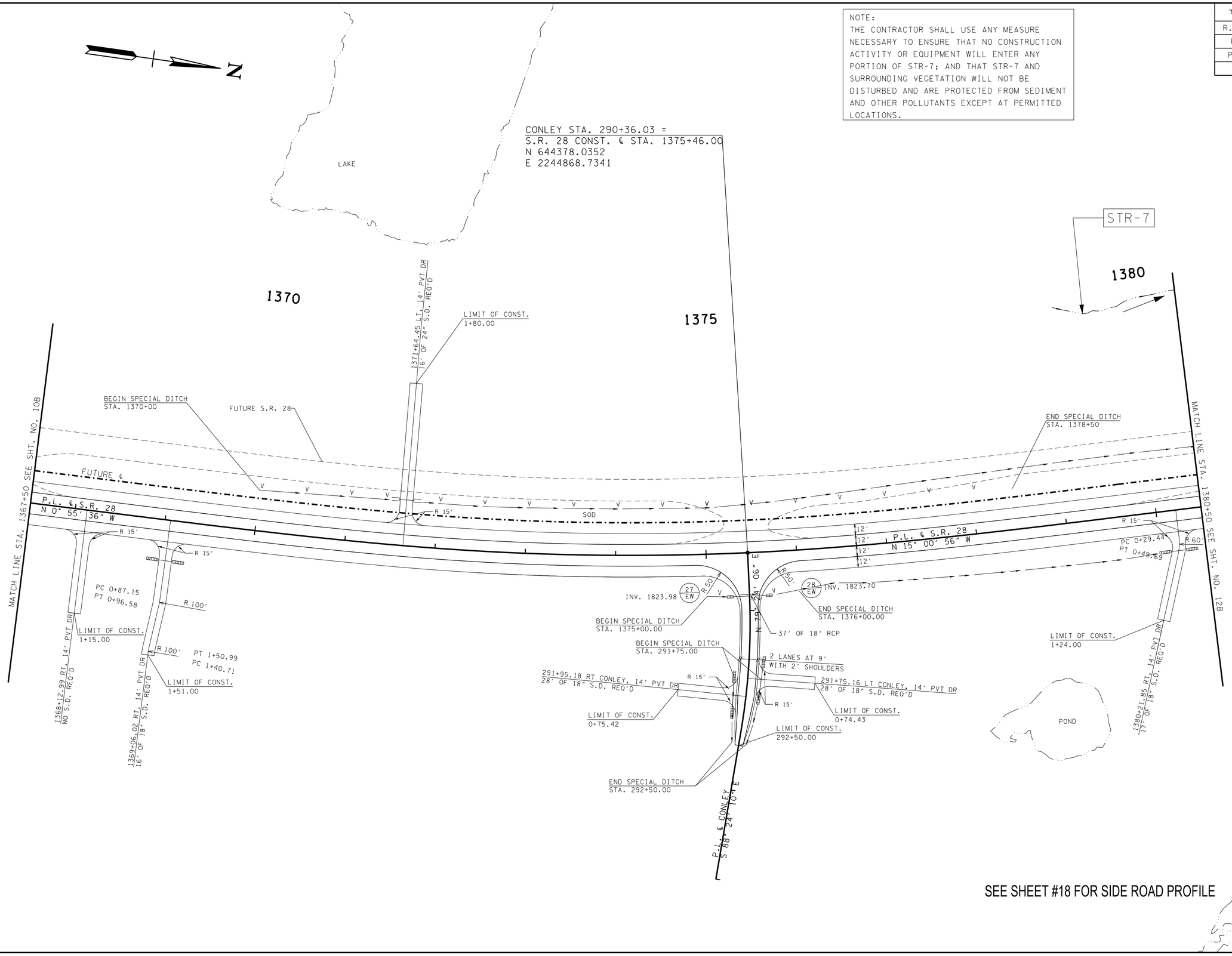
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	11B
PIH	2026	STP/NH/HPP-28(32)	11B
PS&E	2026	STP/NH/HPP-28(32)	11B

NOTE:
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY OR EQUIPMENT WILL ENTER ANY PORTION OF STR-7; AND THAT STR-7 AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT PERMITTED LOCATIONS.



SEE SHEET #18 FOR SIDE ROAD PROFILE

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
COMMERCE
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 1367+50 TO STA. 1380+50

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	11C
PIH	2026	STP/NH/HPP-28(32)	11C
PS&E	2026	STP/NH/HPP-28(32)	11C

VPI 1367+93.02
EL. 1867.84

385 FT TRANS.

STA 1368+63.84
SE = N.C.

SE = 0.065

STA 1372+48.84
SE = 0.065

STA 1375+77.14
SE = 0.065

385 FT TRANS.

STA 1379+62.14
SE = N.C.

STA. 1375+46.00 S.R. 28 =
STA. 290+36.03 CONLEY RD.
ELEV. 1827.45

XCP S51 (18-127-51)
STA. 1367+69.54, -173.17'(LT)
N 643601.9306
E 2244751.4537
ELEV 1841.42
ALUM. DISK

XCP S52 (18-127-52)
STA. 1373+19.34, -111.03'(LT)
N 644142.0044
E 2244791.2837
ELEV 1829.02
ALUM. DISK

XCP S53 (18-127-53)
STA. 1379+64.87, -161.22'(LT)
N 644743.3716
E 2244614.9415
ELEV 1816.33
ALUM. DISK

EXISTING GROUND

FINISHED GRADE

-4.18%

VC = 3300.00'
K = 441

BEGIN SPEC. DITCH LT
STA. 1370+00.00
EL. 1831.49

-1.86% LT

-0.56% RT

-2.93% LT

-3.56% RT

BEGIN SPEC. DITCH RT
STA. 1375+00.00
EL. 1825.43

VPI LT 1375+00.00
EL. 1822.17

VPI RT 1375+21.56
EL. 1823.98

VPI RT 1375+70.77
EL. 1823.70

8" GAS CROSSING
1379+22

1890 1885 1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825 1820 1815 1810 1805 1800 1795

1368+00 1369+00 1370+00 1371+00 1372+00 1373+00 1374+00 1375+00 1376+00 1377+00 1378+00 1379+00 1380+00

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA.1367+50 TO STA.1380+50

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

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	12
PIH	2026	STP/NH/HPP-28(32)	12
PS&E	2026	STP/NH/HPP-28(32)	12

REV. 02-09-21: REMOVED STRIKE THROUGH FROM TRACT 97. ADDED TRACT NUMBER AND PROPERTY OWNER FOR TRACT 131. ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: UPDATED OWNERS FOR TRACTS 101, 102 & 106. UPDATE TRACT 100 BUILDING AS RUIN, TRACT 102 HOUSE WAS REMOVED, TRACT 104 HOUSE SPOTTED. ADDED PVT. DR. LT 320+87.78 OLD S.R. 28 WEST. UPDATED PROP. R.O.W. TO ACQUIRE TRACT 100.
REV. 02-14-24: UPDATED TEMPORARY CONSTRUCTION EASEMENT HATCHING & LINESTYLE. CHANGED TRACTS 97, 101, & 102 PROPERTY OWNERS. LENGTHENED DRIVEWAY TIEDOWN OFF OF OLD S.R. 28 TO TRACT 101. SPOTTED NEW HOUSE, FENCE, DRIVEWAY, CARPORT, FIELD LINES, & POWER ON TRACT 106. CORRECTED TRACT 131 PROPERTY OWNER.
REV. 04-01-25: ADDED GAS LINE.
REV. 01-15-26: REVISED TRACT 97 DRIVEWAY.
REV. 05-06-26: ADDED TRACT 8101.

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

LEGEND

- AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.
- TEMPORARY CONSTRUCTION EASEMENT

MARSON O. ROBERSON AND WIFE WANDA FAYE (131)
JOSHUA CASTLEN (97)
RUSSELL SMITH AND WIFE CAROL SMITH (102)
HOWARD D. MILLER AND WIFE SHARON M. (104)
JACK W. REEDS AND SANDRA D. REEDS, HUSBAND AND WIFE (106)
STATE OF TENNESSEE (8101)
PAUL VICKERS (100)
WILLIAM E. BAUCUM AND WIFE VICTORIA Y. BAUCUM (101)
AVIAGEN INC. (98)
DOUGLAS S. CLARKSON AND WIFE ALEXANDRA (103)
RENEE PYLE AND CHARLOTTE M. JONES (105)
JAMES HOWE AND WIFE LILLIAN B. (99)
BRETT PHILLIPS AND WIFE CHELSEA (107)

LIMIT OF CONST. 320+15.08
TEMP. CONST. ESMT.
BEGIN STR-7 IMPACT STA. 1381+41.64
END FENCE 1384+05.29
BEGIN FENCE 1381+71.66
END FENCE 1381+23.21
P.L. & OLD SR 28 WEST
PROP. ROW & PROP. (C.A.) FENCE
POT 320+00.00
PC 321+24.40
PT 323+43.96
STR-7
78' EXIST RCBC (RETAIN)
1-S-M BUSS. (REMOVE)
BEGIN WTL-7 IMPACT STA. 1383+17.91
GRADED SOLID ROCK SEE SPECIAL NOTE ONSHEET 2D
SC 1386+65.41
(REMOVE) RUIN
END WTL-7 IMPACT STA. 1384+18.12
WTL-7
PC 330+38.68
PT 331+49.17
SC 1382+49.24
STR-7
TOP OF CUT
END STR-7 IMPACT STA. 1384+61.65
BEGIN FENCE 1383+33.99
21' EXIST 24" CMP (RETAIN)
30' EXIST 18" HDPE (RETAIN)
POT 335+15.36
TS 1382+80.41
LIMIT OF CONST. 331+80.00
LICKFORK CREEK HAUL RD. SOUTH STA. 2+00.00 = N 646012.2050 E 2244434.1460
PROP. ROW (C.A.) & FENCE
PND-6
BEGIN PND-6 IMPACT STA. 1386+33.39
END PND-6 IMPACT STA. 1390+67.09
TOP OF CUT
1-S-FR. RES. (REMOVE)
(REMOVE) FENCE
2-S-FR GARAGE
NO SEPTIC FOR BUILDING AS OF 04-28-2021
1-S-FR GARAGE
1-S-FR RES.
SHED
GATE
WOVEN
1-S-RES
AIRPORT
GATE
BEGIN WTL-8 IMPACT STA. 1392+93.61
WTL-8
TEMP. CC ESMT.
FUTURE ℄
GRADED SOLID ROCK SEE SPECIAL NOTE ONSHEET 2D
FN. POST
POND
CAVE
APPROXIMATE
MATCH LINE STA. 1380+50 SEE SHT. NO. 11
MATCH LINE STA. 1393+00 SEE SHT. NO. 13
P.L. & S.R. 28 N 15° 00' 56" W
P.L. & OLD SR 28 EAST N 14° 58' 04" E
N 74° 59' 04" E
N 10° 39' 36" E
N 15° 38' 45" W
1390
1385

OLD S.R. 28 WEST STA. 324+86.73 =
S.R. 28 CONST. ℄ STA. 1382+71.00
N 645080.8229
E 2244691.3426

OLD S.R. 28 EAST STA. 330+00.00 =
S.R. 28 CONST. ℄ STA. 1382+71.00
N 645080.8229
E 2244691.3426

NOTE: THE STREAM AT THE INLET AND OUTLET OF PROPOSED EMBEDDED STREAM CONVEYANCE STRUCTURES SHALL BE RESTORED TO THE PRECONSTRUCTION STREAM CHANNEL CROSS-SECTION MATCHING THE CHANNEL BOTTOM WIDTH AND BANK HEIGHT AND WIDTH. THE RESTORED STREAM CHANNEL WILL BE CONSTRUCTED FROM THE EXCAVATED STREAM AND STREAM BANK MATERIALS, OR OTHER MATERIALS IF SPECIFIED. ONCE THE CONSTRUCTION OF THE STREAM CONVEYANCE STRUCTURE IS COMPLETE. REFER TO THE "EMBEDDING OF STRUCTURES" NOTE FOR SPECIFICATIONS OF EXCAVATED STREAM MATERIALS TO BE USED, IF APPLICABLE. WHEN RECONSTRUCTING THE STREAM BANK, USE A COIR FIBER ROLL AT THE TOE OF THE BANK TO PROVIDE BANK STABILITY WHILE NATIVE VEGETATION ESTABLISHES. STANDARD DRAWING D-NSD-33 MUST BE USED FOR COIR FIBER ROLL INSTALLATION. STREAM BANK MATERIALS EXCAVATED DURING THE CONSTRUCTION OF THE STREAM CONVEYANCE STRUCTURE, OR OTHER MATERIALS IF SPECIFIED, SHOULD BE USED WHEN RECONSTRUCTING THE STREAM BANK ONCE THE STRUCTURE IS COMPLETE. NATIVE SEED MIXTURES AS SPECIFIED IN STANDARD DRAWING STD-17-20 SHALL BE PLANTED ONCE THE BANK CONSTRUCTION IS COMPLETE. IF NATURAL CHANNEL DESIGN IS PROPOSED AT THE STRUCTURE INLET, OUTLET, OR BOTH, IMPLEMENT THE DESIGN AS SHOWN IN THE NATURAL CHANNEL DESIGN PLANS INSTEAD OF RESTORING THE CHANNEL TO THE PRECONSTRUCTION CROSS-SECTION.

LEGEND	POND IMPACTS	POND-6
	AREA OF PERMANENT IMPACT	0.225 AC.
	VOLUME OF PERMANENT IMPACT	2541 C.Y.

LEGEND	WETLAND IMPACTS	WTL-7	WTL-8
	AREA OF PERMANENT IMPACT	0.190 AC.	0.014 AC.
	VOLUME OF PERMANENT IMPACT	307 C.Y.	23 C.Y.
	AREA OF TEMPORARY IMPACT	0.000 AC.	0.006 AC.
	VOLUME OF TEMPORARY IMPACT	0 C.Y.	9 C.Y.

CURVE SR 28-7
PI 1396+89.44
N 646,450.8262
E 2,244,323.8504
Δs 46° 30' 22" (RT)
θs 3° 53' 55"
Δc 38° 42' 32" (RT)
Dc 2° 01' 31"
Rc 2,829.00
Lc 1,911.26
Ts 1,409.02
Ls 385.00
SE 0.065 FT/FT
DESIGN SPEED 70 MPH
TRANS. LENGTH 385

CURVE OLD SR28 EAST-1		CURVE OLD SR28 EAST-2		CURVE OLD SR28 WEST		CURVE LICKFORK SOUTH	
PI	330+99.05	PI	332+83.44	PI	322+50.39	PI	5+39.61
N	645,106.4855	N	645,292.2101	N	645,011.1913	N	646,339.2358
E	2,244,787.0119	E	2,244,845.4516	E	2,244,431.7572	E	2,244,342.5557
Δ	57° 31' 04" (LT)	Δ	6° 48' 24" (LT)	Δ	70° 16' 45" (LT)	Δ	112° 19' 22" (RT)
D	52° 05' 13"	D	9° 57' 52"	D	32° 00' 32"	D	143° 14' 22"
R	110.00	R	575.00	R	179.00	R	40.00
L	110.43	L	68.31	L	219.56	L	78.42
T	60.37	T	34.20	T	125.99	T	59.66

NOTE:
SEE SHEET 12A FOR CONTROL POINTS TABLE

SEALED BY
RICHARD R. HOLT REGISTERED ENGINEER 120326 COMMISSION No. 104252 STATE OF TENNESSEE
05-20-26

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 1380+50 TO STA. 1393+00

SCALE: 1"= 50'

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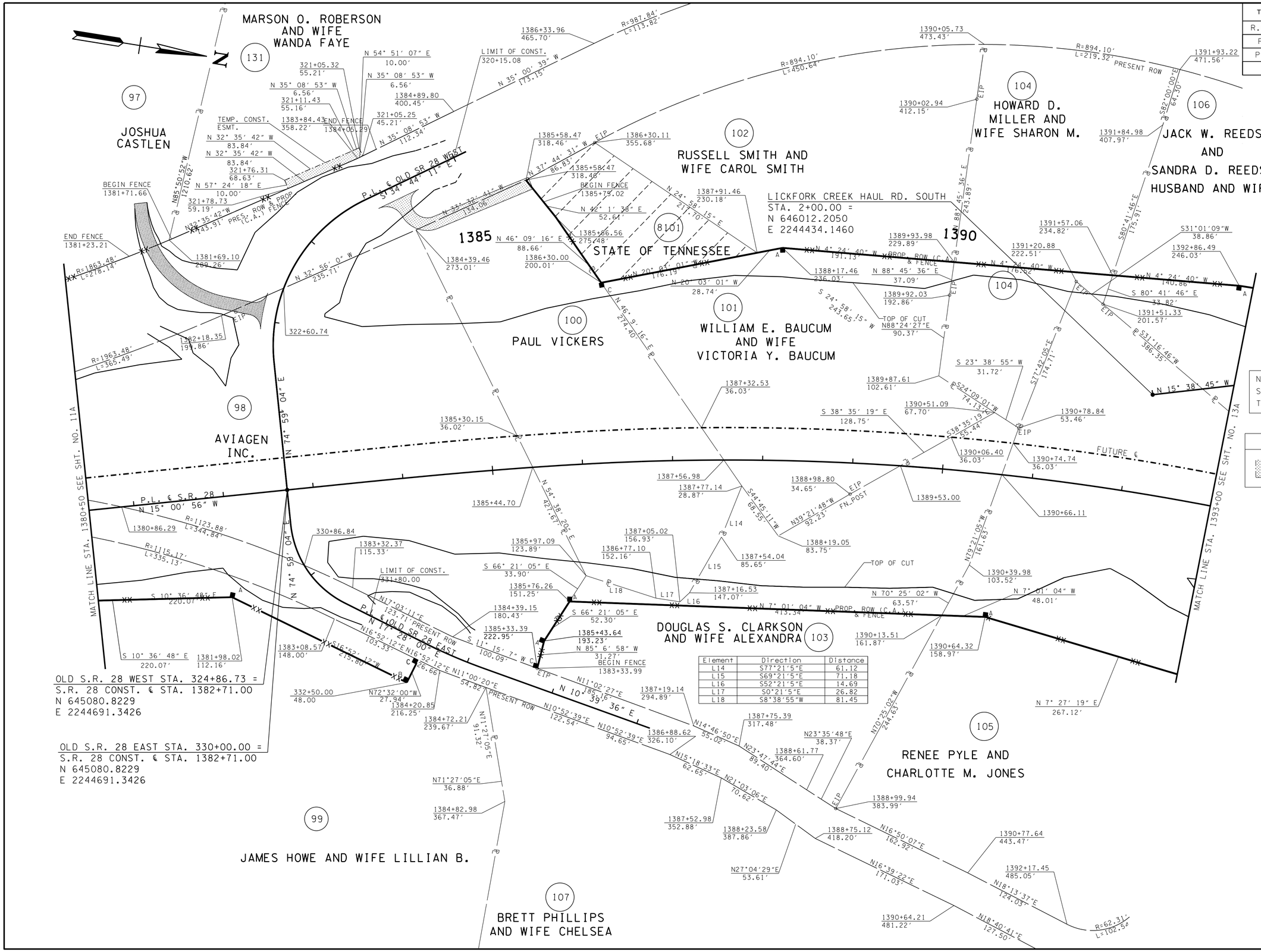
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	12A
PIH	2026	STP/NH/HPP-28(32)	12A
PS&E	2026	STP/NH/HPP-28(32)	12A

REV. 02-09-21: REMOVED STRIKE THROUGH FROM TRACT 97. ADDED TRACT NUMBER AND PROPERTY OWNER FOR TRACT 131. ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: UPDATED OWNERS FOR TRACTS 101, 102 & 106. ADDED PVT. DR. LT 320+87.78 OLD S.R. 28 WEST. UPDATED PROP. R.O.W. TO ACQUIRE TRACT 100.
REV. 02-14-24: UPDATED TEMPORARY CONSTRUCTION EASEMENT HATCHING & LINESTYLE. CHANGED TRACTS 97, 101, & 102 PROPERTY OWNERS. CORRECTED TRACT 131 PROPERTY OWNER.
REV. 01-15-26: REVISED TRACT 97 DRIVEWAY.
REV. 05-06-26: ADDED TRACT 8101.



Element	Direction	Distance
L14	S77°21'5"E	61.12
L15	S69°21'5"E	71.18
L16	S52°21'5"E	14.69
L17	S0°21'5"E	26.82
L18	S8°38'55"W	81.45

NOTE:
SLOPE LINES SHOWN TO REPRESENT THE ULTIMATE SECTION

LEGEND

TEMPORARY CONSTRUCTION EASEMENT

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
CERTIFICATE NO. 105320
COMMERCE
STATE OF TENNESSEE
05.20.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 1380+50 TO STA. 1393+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	12B
PIH	2026	STP/NH/HPP-28(32)	12B
PS&E	2026	STP/NH/HPP-28(32)	12B

REV. 01-11-22: ADDED PVT. DR. LT 320+87.78 OLD S.R. 28 WEST.

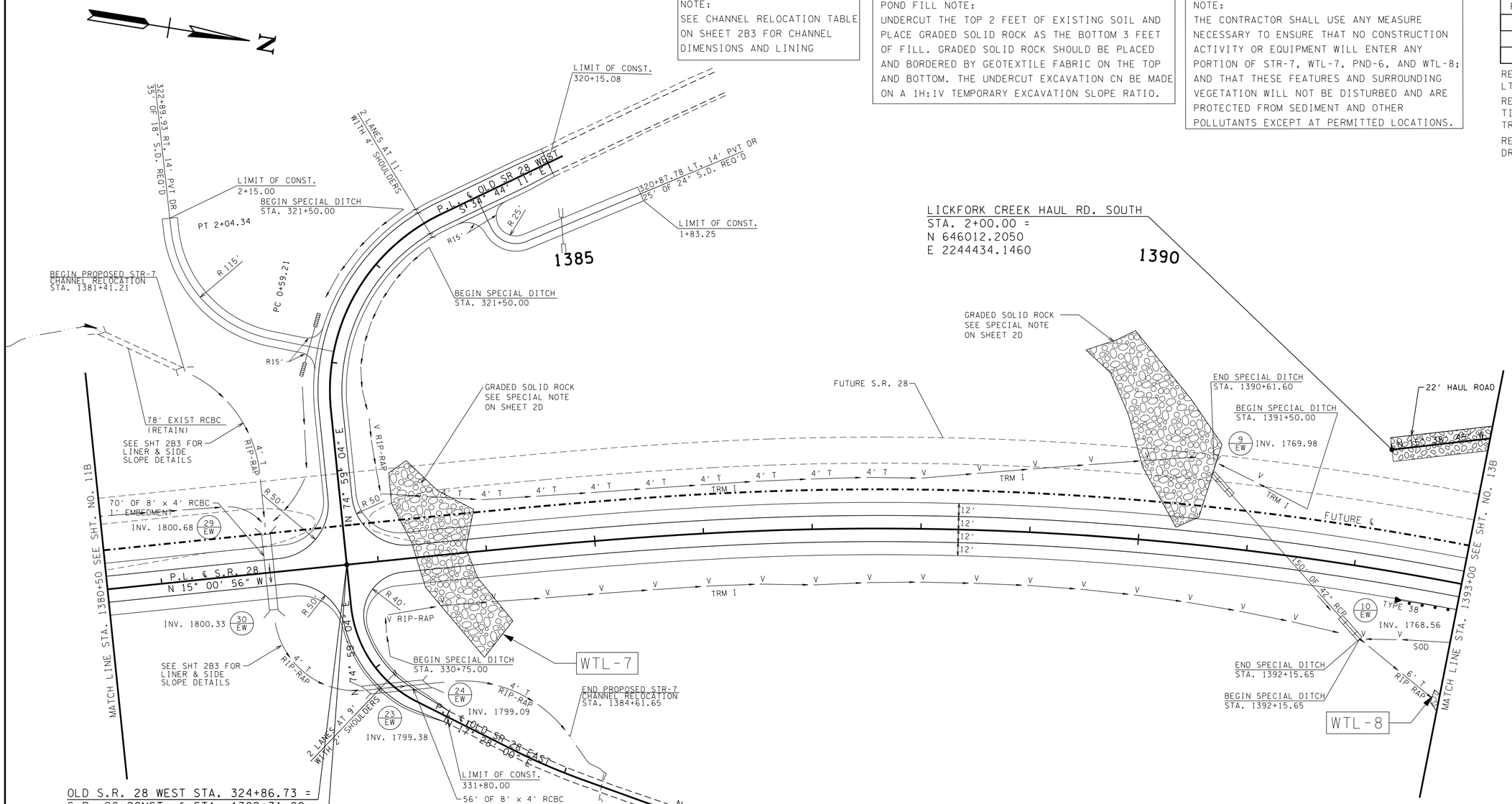
REV. 02-14-24: LENGTHENED DRIVEWAY TIEDOWN OFF OF OLD S.R. 28 TO TRACT 101.

REV. 01-15-26: REVISED TRACT 97 DRIVEWAY.

NOTE:
SEE CHANNEL RELOCATION TABLE ON SHEET 2B3 FOR CHANNEL DIMENSIONS AND LINING

POND FILL NOTE:
UNDERCUT THE TOP 2 FEET OF EXISTING SOIL AND PLACE GRADED SOLID ROCK AS THE BOTTOM 3 FEET OF FILL. GRADED SOLID ROCK SHOULD BE PLACED AND BORDERED BY GEOTEXTILE FABRIC ON THE TOP AND BOTTOM. THE UNDERCUT EXCAVATION CN BE MADE ON A 1H:1V TEMPORARY EXCAVATION SLOPE RATIO.

NOTE:
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY OR EQUIPMENT WILL ENTER ANY PORTION OF STR-7, WTL-7, PND-6, AND WTL-8; AND THAT THESE FEATURES AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT PERMITTED LOCATIONS.



OLD S.R. 28 WEST STA. 324+86.73 =
S.R. 28 CONST. ℄ STA. 1382+71.00
N 645080.8229
E 2244691.3426

OLD S.R. 28 EAST STA. 330+00.00 =
S.R. 28 CONST. ℄ STA. 1382+71.00
N 645080.8229
E 2244691.3426

SEE SHEET #19 FOR SIDE ROAD PROFILES

NOTE:
RIPRAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIPRAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIPRAP SHALL BE FILLED WITH STREAM BED SUBSTRATE, IF AVAILABLE, TO PREVENT LOSS OF STREAM WITHIN RIP-RAP AREAS. STREAM BED SUBSTRATE MAY BE REMOVED FROM THE RIP-RAP EMBEDMENT AREA. IF STREAM BED SUBSTRATE IS NOT AVAILABLE, THE FOLLOWING MIXTURE SHOULD BE USED. RIPRAP SHOULD BE MIXED WITH 70 PERCENT CREEK GRAVEL AND 30 PERCENT SAND TO FILL VOIDS PRIOR TO PLACEMENT. ONCE THE RIPRAP MIXTURE IS INSTALLED, THE AREA SHOULD BE THOROUGHLY COMPACTED. ONCE COMPACTED, AN ADDITIONAL 1 TO 2 INCHES OF SAND AND CREEK GRAVEL MAY BE ADDED TO FILL IN THE REMAINING VOIDS, IF NEEDED. THE CONTRACTOR SHALL ENSURE THAT WATER WILL FLOW OVER THE RIPRAP AND THAT FLOW IS NOT LOST BELOW OR WITHIN THE ROCK.

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

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 1380+50 TO STA. 1393+00

SCALE: 1"= 50'

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	12C
PIH	2026	STP/NH/HPP-28(32)	12C
PS&E	2026	STP/NH/HPP-28(32)	12C

385 FT TRANS.

SE = 0.065

BALANCE PT. NO. 4
STA. 1384+54.27
EXC. 127,393 y^3
EMB. 127,393 y^3

STA. 1386+65.41
SE = 0.065

XCP S54 (18-127-54)
STA. 1384+09.03, -351.84'(LT)
N 645125.6510
E 2244315.3922
ELEV 1825.29
ALUM. DISK

XCP S55 (18-127-55)
STA. 1387+33.16, -495.15'(LT)
N 645446.6763
E 2244097.3586
ELEV 1829.51
ALUM. DISK

STA. 1382+71.00 S.R. 28 ~
STA. 324+86.73 S.R. 28 NORTH
ELEV. 1805.73
STA 1382+80.41
SE = N.C.

EXISTING GROUND

END SPEC. DITCH LT
STA. 1382+00.00
EL. 1801.68

70 LF OF 8'x4' RCBC

BEGIN SPEC. DITCH RT
STA. 1383+00.00
EL. 1799.39

VPI RT 1383+50.00
EL. 1798.31

VPT 1384+43.02
EL. 1798.87

VPC 1385+61.49
EL. 1793.92

END SPEC. DITCH RT
STA. 1382+00.00
EL. 1801.33

BEGIN SPEC. DITCH LT
STA. 1381+16.32
EL. 1798.05

VPI LT 1384+00.00
EL. 1796.91

VPI RT 1385+50.00
EL. 1789.34

VPI RT 1387+00.00
EL. 1782.52

VPI LT 1388+00.00
EL. 1782.29

VPI RT 1388+50.00
EL. 1778.17

VPI RT 1391+00.00
EL. 1771.55

END SPEC. DITCH LT
STA. 1391+50.00
EL. 1774.97

SPEC. DITCH RT
STA. 1392+15.65
EL. 1768.56

SPEC. DITCH LT
STA. 1390+61.60
EL. 1769.98

FINISHED GRADE

-1.36% LT
-4.48% RT
TRM I
-3.65% LT
-4.55% RT
-2.90% RT
-4.18%
-2.65% RT
-4.71% LT
5.64% LT
TRM I
-2.59% RT
SOD
-1.28% RT
-4.16%

150 LF OF 42" RCP

6" W

BOX CULVERT

STATION:	1382+00.00	
STRUCTURE:	70 LF OF 8'x4' RCBC AT 0.50%	
SKEW	90	DEG.
DRAINAGE AREA	31.46	AC.
DESIGN DISCHARGE (Q50)	48.78	CFS
DESIGN DISCHARGE (Q100)	55.64	CFS
OVERTOPPING ELEV.	1808.60	
ALLOWABLE HEADWATER ELEV.	1805.91	
Q50 HEADWATER ELEV.	1803.47	
Q100 HEADWATER ELEV.	1803.63	
VELOCITY (Q50)	6.68	FT/S
VELOCITY (Q100)	6.99	FT/S
ENDWALLS REQUIRED:	4	EA.

STANDARD DRAWING NOS.:
STD-17-08, STD-17-11, STD-17-14, STD-17-17
STD-17-18, STD-17-20, STD-17-52

QUANTITIES:

CLASS "A" CONCRETE	59	C.Y.
STEEL BAR REINFORCING	14,144	LB.
BEDDING MATERIAL	17	C.Y.
GRANULAR BACKFILL	184	TN.
CHANNEL EXC.	181	C.Y.
CULVERT EXC.	159	C.Y.

PIPE CULVERT

STATION:	1391+36.07	
STRUCTURE:	150 LF OF 42" RCP	
SKEW	41	DEG.
DRAINAGE AREA	31.46	AC.
DESIGN DISCHARGE (Q50)	48.78	CFS
DESIGN DISCHARGE (Q100)	55.61	CFS
Q50 HEADWATER ELEV.	1773.33	
Q100 HEADWATER ELEV.	1773.66	
VELOCITY (Q50)	10.18	FT/S
VELOCITY (Q100)	10.49	FT/S

ENDWALLS REQUIRED: "U" ENDWALL (2)

STANDARD DRAWING NOS.:
D-PB-1, D-PE-42A, & D-PE-42B

1840 1835 1830 1825 1820 1815 1810 1805 1800 1795 1790 1785 1780 1775 1770 1765 1760 1755 1750 1745

1381+00 1382+00 1383+00 1384+00 1385+00 1386+00 1387+00 1388+00 1389+00 1390+00 1391+00 1392+00 1393+00

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RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA.1380+50 TO STA.1393+00

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

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	13
PIH	2026	STP/NH/HPP-28(32)	13
PS&E	2026	STP/NH/HPP-28(32)	13

REV. 02-09-21: ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: UPDATED EXISTING R.O.W FOR OLD S.R. 28 NEAR TRACTS 107 & 109. UPDATED OWNERS FOR TRACTS 106 & 109.
REV. 02-14-24: UPDATED TEMPORARY CONSTRUCTION EASEMENT HATCHING & LINESTYLE. CORRECTED PROPERTY OWNER NAME ON TRACT 109. ADDED CONSTRUCTION EASEMENT TO TRACT 110.
REV. 04-01-24: REMOVED TRACT 110 & 111 Z-BAR.
REV. 04-01-25: ADDED GAS LINE.
REV. 07-03-25: REVISED TRACT 110 CONSTRUCTION EASEMENT. ADDED SEPTIC SYSTEM NOTE.

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

CARL S. BRADY AND WIFE JOANNA
111

JACK W. REEDS AND SANDRA D. REEDS, HUSBAND AND WIFE
106

RENEE PYLE AND CHARLOTTE M. JONES
105

GREG P. AND TERI A. TRANTANELLA
109

BRETT PHILLIPS AND WIFE CHELSEA
107

CARL S. BRADY AND WIFE JOANNA
110

REUEL T. ISHAM JR. AND WIFE JUDY K.
112

EXISTING STRUCTURE
CONCRETE ARCH TYPE WITH ABUTMENTS SUPPORTED BY ROCKS. (NO PILES OR COLUMNS)
SKEW 90° (24'x130')
L.M. 25.440
(RETAIN)

LICKFORK CREEK HAUL RD. NORTH STA. 12+64.46 = LICKFORK CREEK HAUL RD. NORTH 2 STA. 25+00.00
N 646630.5894
E 2244486.8799

LICKFORK CREEK HAUL RD. NORTH
STA. 10+00.00 =
N 646468.9045
E 2244609.8386

CURVE LICKFORK SOUTH
PI 5+39.61
N 646,339.2358
E 2,244,342.5557
Δ 112° 19' 22" (RT)
D 143° 14' 22"
R 40.00
L 78.42
T 59.66

CURVE SR 28-7
PI 1396+89.44
N 646,450.8262
E 2,244,323.8504
Δs 46° 30' 22" (RT)
θs 3° 53' 55"
Δc 38° 42' 32" (RT)
Dc 2° 01' 31"
Rc 2,829.00
Lc 1,911.26
Ts 1,409.02
Ls 385.00
SE 0.065 FT/FT
DESIGN SPEED 70 MPH
TRANS. LENGTH 385

CURVE HLICKN-1
PI 11+59.24
N 646,492.8029
E 2,244,452.4039
Δ 95° 04' 10" (RT)
D 81° 51' 04"
R 70.00
L 116.15
T 76.48

CURVE HLICKN-2
PI 16+31.43
N 646,987.3347
E 2,244,572.9674
Δ 19° 37' 53" (RT)
D 2° 17' 31"
R 2,500.00
L 856.58
T 432.53

LEGEND	POND IMPACTS	PND-7
	AREA OF PERMANENT IMPACT	0.056 AC.
	VOLUME OF PERMANENT IMPACT	627 C.Y.

LEGEND	WETLAND IMPACTS	WTL-8
	AREA OF PERMANENT IMPACT	0.014 AC.
	VOLUME OF PERMANENT IMPACT	23 C.Y.
	AREA OF TEMPORARY IMPACT	0.006 AC.
	VOLUME OF TEMPORARY IMPACT	9 C.Y.

LEGEND
AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.
TEMPORARY CONSTRUCTION EASEMENT

SEALED BY
RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 1393+00 TO STA. 1406+00

SCALE: 1"= 50'

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Element	Direction	Distance
L1	N33°29'36"W	92.96'
L2	N34°02'48"W	65.86'
L3	N40°15'41"W	52.01'
L4	N40°15'41"W	51.87'
L5	N33°40'29"W	58.06'
L6	N32°14'34"W	22.93'
L7	N35°05'39"W	23.14'
L8	N06°24'07"W	8.86'
L9	N06°24'07"W	7.86'
L10	N06°24'07"W	36.21'
L11	N26°37'19"W	20.04'
L12	N26°37'19"E	62.68'
L13	N28°39'48"E	60.66'
L14	N47°05'07"E	24.56'
L15	N46°34'04"W	24.35'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	13A
PIH	2026	STP/NH/HPP-28(32)	13A
PS&E	2026	STP/NH/HPP-28(32)	13A

REV. 02-09-21: ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: UPDATED EXISTING R.O.W FOR OLD S.R. 28 NEAR TRACTS 107 & 109. UPDATED OWNERS FOR TRACTS 106 & 109.
REV. 02-14-24: UPDATED TEMPORARY CONSTRUCTION EASEMENT HATCHING & LINESTYLE. CORRECTED PROPERTY OWNER NAME ON TRACT 109. REVISED PROP. (C.A.) FENCE ON TRACT 111. ADDED & CORRECTED STATION & OFFSETS, BEARINGS & DISTANCES. ADDED CONSTRUCTION EASEMENT TO TRACT 110.
REV. 04-01-24: REMOVED TRACT 110 & 111 Z-BAR.
REV. 07-03-25: REVISED TRACT 110 CONSTRUCTION EASEMENT.

NOTE:
SLOPE LINES SHOWN TO REPRESENT THE ULTIMATE SECTION

CARL S. BRADY AND WIFE JOANNA (111)

REUEL T. ISHAM JR. AND WIFE JUDY K. (112)

JACK W. REEDS AND SANDRA D. REEDS, HUSBAND AND WIFE (106)

RENEE PYLE AND CHARLOTTE M. JONES (105)

BRETT PHILLIPS AND WIFE CHELSEA (107)

GREG P. AND TERI A. TRANTANELLA (109)

CARL S. BRADY AND WIFE JOANNA (110)

LICKFORK CREEK HAUL RD. NORTH STA. 12+64.46 = LICKFORK CREEK HAUL RD. NORTH 2 STA. 25+00.00
N 646630.5894
E 2244486.8799

LICKFORK CREEK HAUL RD. NORTH STA. 10+00.00 =
N 646468.9045
E 2244609.8386

LICKFORK CREEK, NORTH

LICKFORK CREEK, SOUTH

P.I. & S.R. 28

FUTURE ℄

PRESENT ROW

PROP. ROW & FENCE

PROP. (C.A.) FENCE

EXIST. ROW & PROP. (C.A.) FENCE

TOP OF CUT

TIE TO EXIST. ROW 1396+03.03

MATCH LINE STA. 1393+00 SEE SHT. NO. 12A

MATCH LINE STA. 1406+00 SEE SHT. NO. 14A

LEGEND

TEMPORARY CONSTRUCTION EASEMENT

SEALED BY

RICHARD R. HOLT REGISTERED ENGINEER 102015 STATE OF TENNESSEE 04.07.25

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 1393+00 TO STA. 1406+00

SCALE: 1"= 50'

3/30/2026
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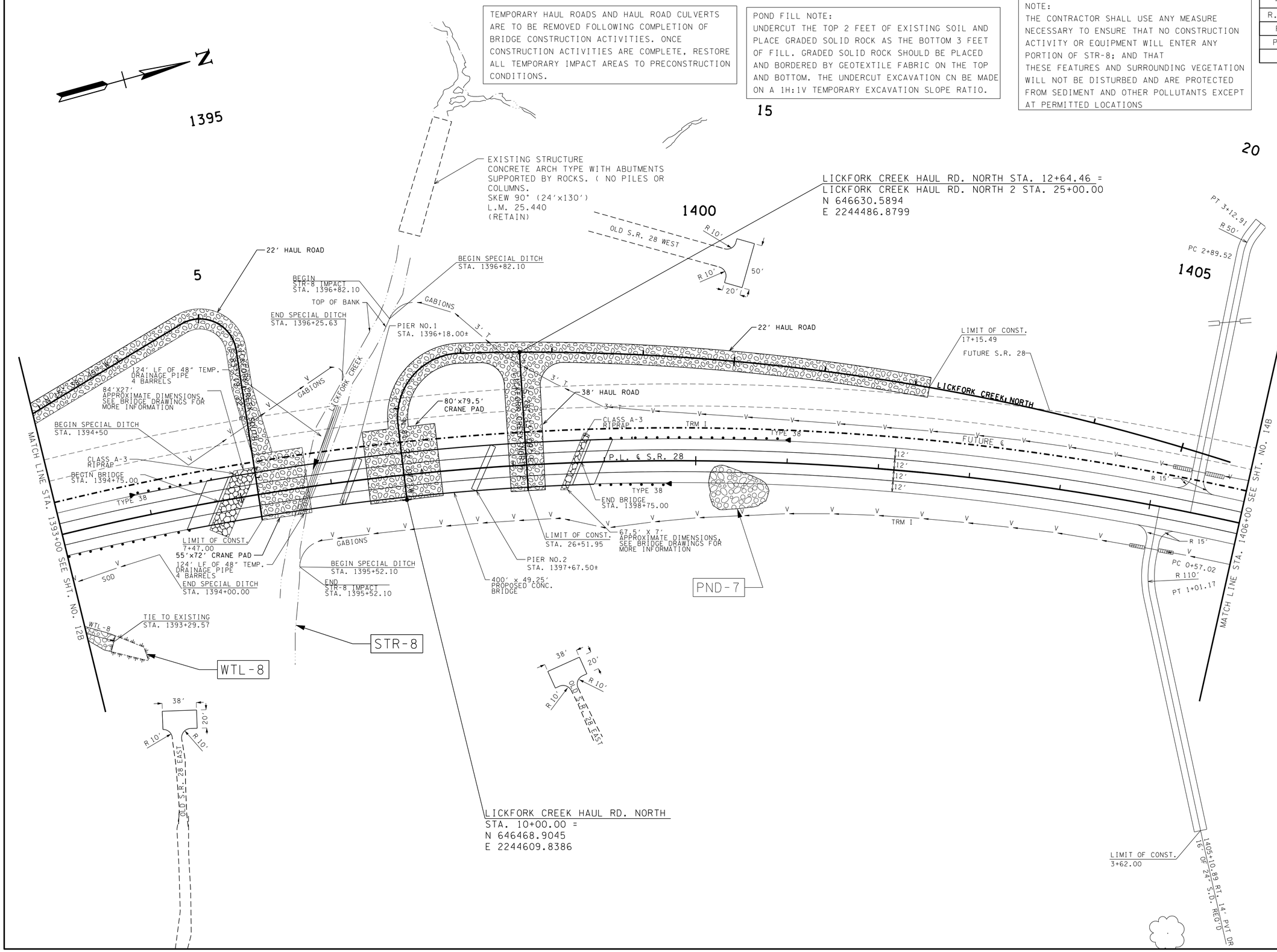
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	13B
PIH	2026	STP/NH/HPP-28(32)	13B
PS&E	2026	STP/NH/HPP-28(32)	13B

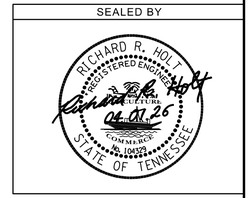
TEMPORARY HAUL ROADS AND HAUL ROAD CULVERTS ARE TO BE REMOVED FOLLOWING COMPLETION OF BRIDGE CONSTRUCTION ACTIVITIES. ONCE CONSTRUCTION ACTIVITIES ARE COMPLETE, RESTORE ALL TEMPORARY IMPACT AREAS TO PRECONSTRUCTION CONDITIONS.

POND FILL NOTE:
UNDERCUT THE TOP 2 FEET OF EXISTING SOIL AND PLACE GRADED SOLID ROCK AS THE BOTTOM 3 FEET OF FILL. GRADED SOLID ROCK SHOULD BE PLACED AND BORDERED BY GEOTEXTILE FABRIC ON THE TOP AND BOTTOM. THE UNDERCUT EXCAVATION CN BE MADE ON A 1H:1V TEMPORARY EXCAVATION SLOPE RATIO.

NOTE:
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY OR EQUIPMENT WILL ENTER ANY PORTION OF STR-8; AND THAT THESE FEATURES AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT PERMITTED LOCATIONS



SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 1393+00 TO STA. 1406+00

SCALE: 1"= 50'

3/30/2026
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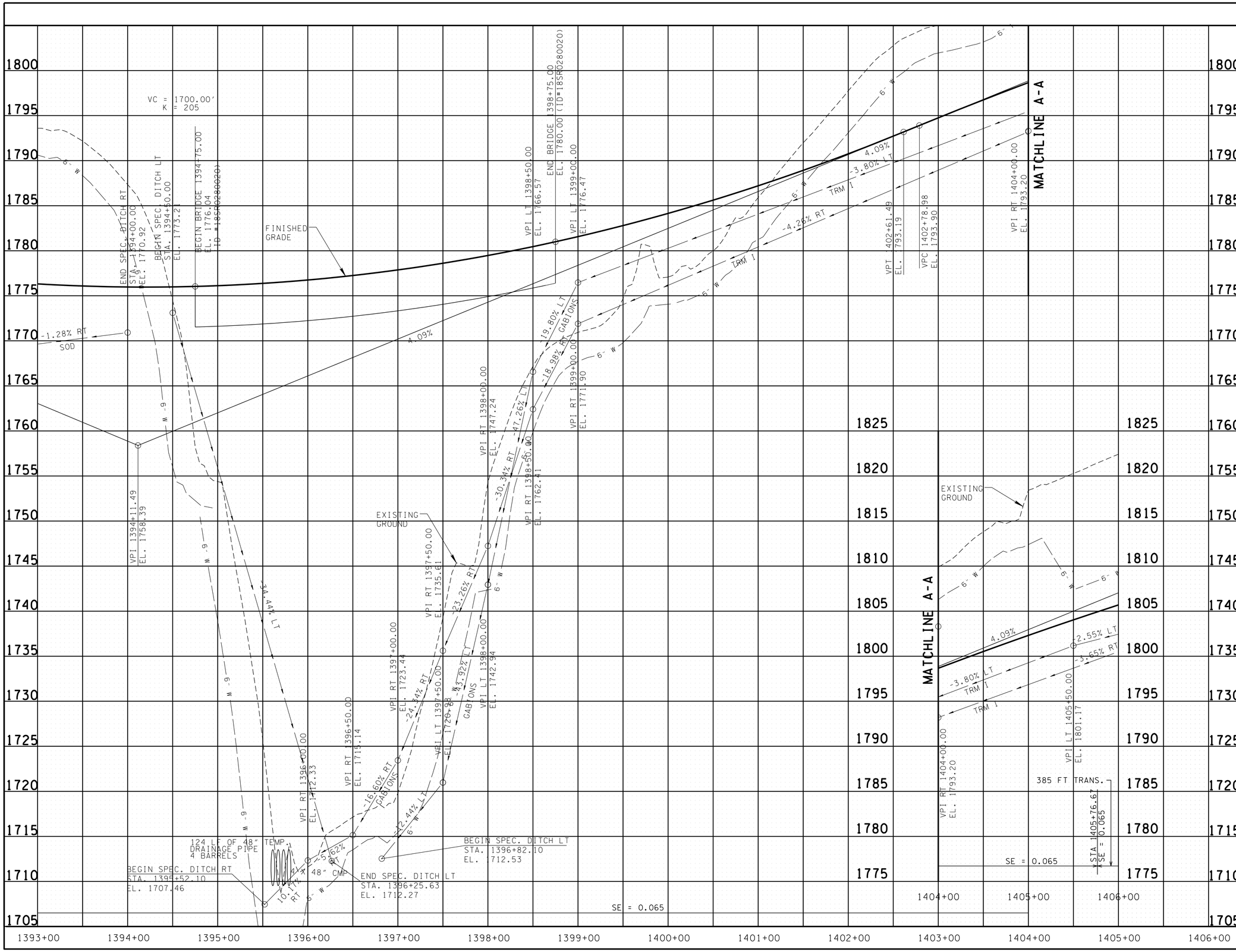
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	13C
PIH	2026	STP/NH/HPP-28(32)	13C
PS&E	2026	STP/NH/HPP-28(32)	13C



SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
04.07.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA.1393+00 TO STA.1406+00

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

3/30/2026
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LEGEND	WETLAND IMPACTS	WTL-9a
	AREA OF PERMANENT IMPACT	0.029 AC.
	VOLUME OF PERMANENT IMPACT	46 C.Y.
	AREA OF TEMPORARY IMPACT	0 AC.
	VOLUME OF TEMPORARY IMPACT	0 C.Y.

LEGEND	POND IMPACTS	PND-9
	AREA OF PERMANENT IMPACT	0.120 AC.
	VOLUME OF PERMANENT IMPACT	965 C.Y.
	AREA OF TEMPORARY IMPACT	0 AC.
	VOLUME OF TEMPORARY IMPACT	0 C.Y.

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	14
PIH	2026	STP/NH/HPP-28(32)	14
PS&E	2026	STP/NH/HPP-28(32)	14

REV. 02-09-21: ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: ADDED Z-BAR BETWEEN TRACTS 113 & 118. STRIKED THROUGH TRACT 118.
REV. 02-14-24: UPDATED TEMPORARY CONSTRUCTION EASEMENT HATCHING & LINESTYLE. REMOVED C.A. FENCE BETWEEN BEGIN/END FENCE LABELS ON TRACT 115. CHANGED TRACTS 117 & 121 PROPERTY OWNERS. REMOVED TRACT 118. SPOTTED DRIVEWAY ON TRACT 119 & REVISED PROPOSED DRIVEWAY. SPOTTED IMPROVEMENTS ON TRACT 120 & UPDATED PROPERTY OWNER. SPOTTED DRIVEWAY, RAIL FENCE & GATE ON TRACT 121, & REVISED PROPOSED DRIVEWAY.
REV. 04-01-24: UPDATED TRACTS 116 & 117 OWNERS.
REV. 10-29-24: ADDED SHED TO TRACT 113.
REV. 04-01-25: REVISED TRACT 115 DRIVEWAY. ADDED GAS LINE.
REV. 07-03-25: REVISED TRACT 113 DRIVEWAY.

LEGEND
- AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.
- TEMPORARY CONSTRUCTION EASEMENT

JASON S. SHARP, PERSONAL REPRESENTATIVE OF ANGIE DENISE SHARP'S WILL (116)
JACQUELINE M. TRUDELLE, UNMARRIED, AND PAUL NEWTON, UNMARRIED, AS TENANTS IN COMMON WITH RIGHTS OF SURVIVORSHIP (117)
JOHN F. WEAVER AND WIFE CYNTHIA (114)
REUEL T. ISHAM JR. AND WIFE JUDY K. (112)
STANLEY H. BALDWIN AND WIFE TRACY L. (115)
EVA L. MATTHEWS (119)
COURTNEY GRACE ALLRED (121)
RAY ENGLAND AND WIFE JOYCE (113)
DONALD L. BRADY AND WIFE DONNA K. (120)
1410
1415
PND-8
WTL-9
STR-9
PND-9
WTL-9a
WWC-2/UDF-2
TEMP. CONST. ESMT.
BEGIN FENCE 1409+84.60
END FENCE 1409+34.67
BEGIN FENCE 1411+18.14
END FENCE 1410+61.62
TIE TO EXIST. ROW 1408+42.84
END FENCE 1411+65.11
BEGIN FENCE 1412+20.54
END FENCE 1412+57.94
BEGIN FENCE 1413+07.95
END FENCE 1414+97.90
BEGIN FENCE 1415+52.83
END FENCE 1417+29.05
BEGIN FENCE 1417+79.25
PROP. ROW (C.A.) & FENCE
PRES. ROW & PROP. (C.A.) FENCE
SR 25/US 127
(RETAIN)
TOP OF CUT
FUTURE ℄
P.L. ℄ S.R. 28 N 31° 29' 26" E
BEGIN PND-9 IMPACT STA. 1408+72.75
END PND-9 IMPACT STA. 1410+28.08
END WTL-9a WTL-9a IMPACT STA. 1411+82.69
BEGIN WTL-9a WTL-9a IMPACT STA. 1410+43.01
GRADED SOLID ROCK SEE SPECIAL NOTE ON SHEET 2D
ST 1409+61.67
END FENCE 1412+22.60
BEGIN FENCE 1412+72.60
END FENCE 1417+67.60
BEGIN FENCE 1418+17.60
MATCH LINE STA. 1406+00 SEE SHT. NO. 13
MATCH LINE STA. 1419+00 SEE SHT. NO. 15
1-S-FR. RES.
1-S-BRK. RES.
DOUBLEWIDE RES.
1-S-FR. RES. (REMOVE)
SHED
SHED (REMOVE)
1-S-BLK. SHED (REMOVE)
METAL SHED
CHICKEN COOP
GARAGE
POND
RUIN (REMOVE)
CUMBERLAND PLATEAU NURSERY
RUSTY GATE
3RAIL WOOD FENCE
20"APPLE
36"WALNUT
24"SPRUCE
CYPRESS
36"MAPLE
FIELD LINE
WELL
NO INFORMATION ON WELL.
AIRPORT
METAL P
CURVE SR 28-7
PI 1396+89.44
N 646,450.8262
E 2,244,323.8504
Δs 46° 30' 22" (RT)
θs 3° 53' 55"
Δc 38° 42' 32" (RT)
Dc 2° 01' 31"
Rc 2,829.00
Lc 1,911.26
Ts 1,409.02
Ls 385.00
SE 0.065 FT/FT
DESIGN SPEED 70 MPH
TRANS. LENGTH 385

SEALED BY
RICHARD R. HOLT REGISTERED ENGINEER 04.07.26 COMMERCE No. 104529 STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 1406+00 TO STA. 1419+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	14A
PIH	2026	STP/NH/HPP-28(32)	14A
PS&E	2026	STP/NH/HPP-28(32)	14A

REV. 02-09-21: ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: ADDED Z-BAR BETWEEN TRACTS 113 & 118. STRIKED THROUGH TRACT 118.
REV. 02-14-24: UPDATED TEMPORARY CONSTRUCTION EASEMENT HATCHING & LINESTYLE. CHANGED TRACTS 117 & 121 PROPERTY OWNERS. UPDATED TRACT 120 PROPERTY OWNER. REVISED PROPOSED DRIVEWAY ON TRACTS 119 & 121. ADDED MISSING STATION & OFFSET LABELS. REMOVED TRACT 118. REVISED AND REMOVED STATION & OFFSET LABELS.
REV. 04-01-24: UPDATED TRACT 116 & 117 OWNERS.
REV. 04-01-25: REVISED TRACT 115 DRIVEWAY.
REV. 07-03-25: REVISED TRACT 113 DRIVEWAY.

NOTE:
SLOPE LINES SHOWN TO REPRESENT THE ULTIMATE SECTION

LEGEND
TEMPORARY CONSTRUCTION EASEMENT

SEALED BY
RICHARD R. HOLT
REGISTERED ENGINEER
04.01.26
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 1406+00 TO STA. 1419+00

SCALE: 1"= 50'

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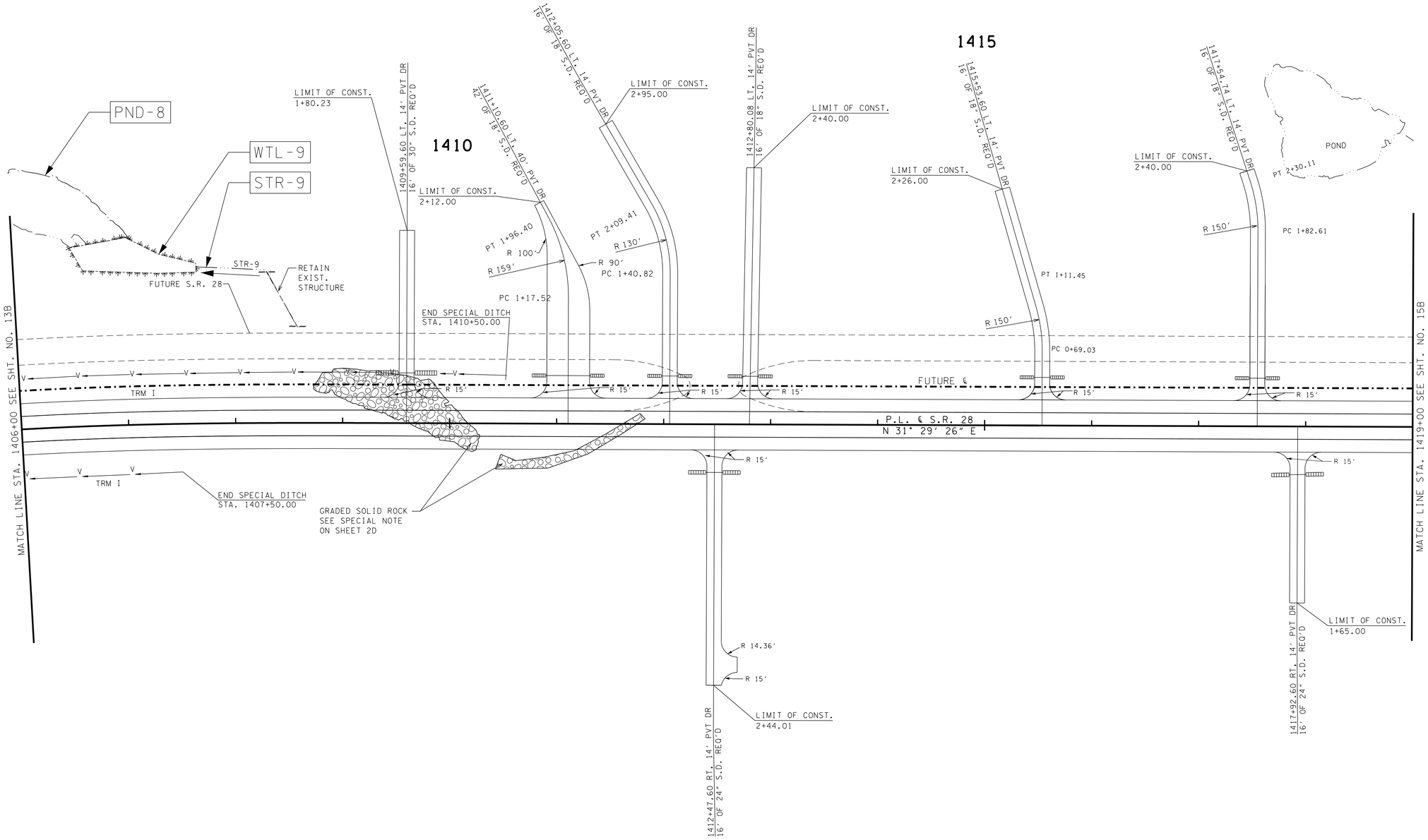
POND FILL NOTE:
UNDERCUT THE TOP 2 FEET OF EXISTING SOIL AND PLACE GRADED SOLID ROCK AS THE BOTTOM 3 FEET OF FILL. GRADED SOLID ROCK SHOULD BE PLACED AND BORDERED BY GEOTEXTILE FABRIC ON THE TOP AND BOTTOM. THE UNDERCUT EXCAVATION CN BE MADE ON A 1H:1V TEMPORARY EXCAVATION SLOPE RATIO.

NOTE:
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY OR EQUIPMENT WILL ENTER ANY PORTION OF POND-8, STR-9, WTL-9, POND-9, AND WTL-9a; AND THAT THESE FEATURES AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT PERMITTED LOCATIONS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	14B
PIH	2026	STP/NH/HPP-28(32)	14B
PS&E	2026	STP/NH/HPP-28(32)	14B

REV. 02-24-23: REVISED PROPOSED DRIVEWAY ON TRACTS 119 & 121.
REV. 04-01-25: REVISED TRACT 115 DRIVEWAY.
REV. 07-03-25: REVISED TRACT 113 DRIVEWAY.



SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 1406+00 TO STA. 1419+00

SCALE: 1"= 50'

3/30/2026
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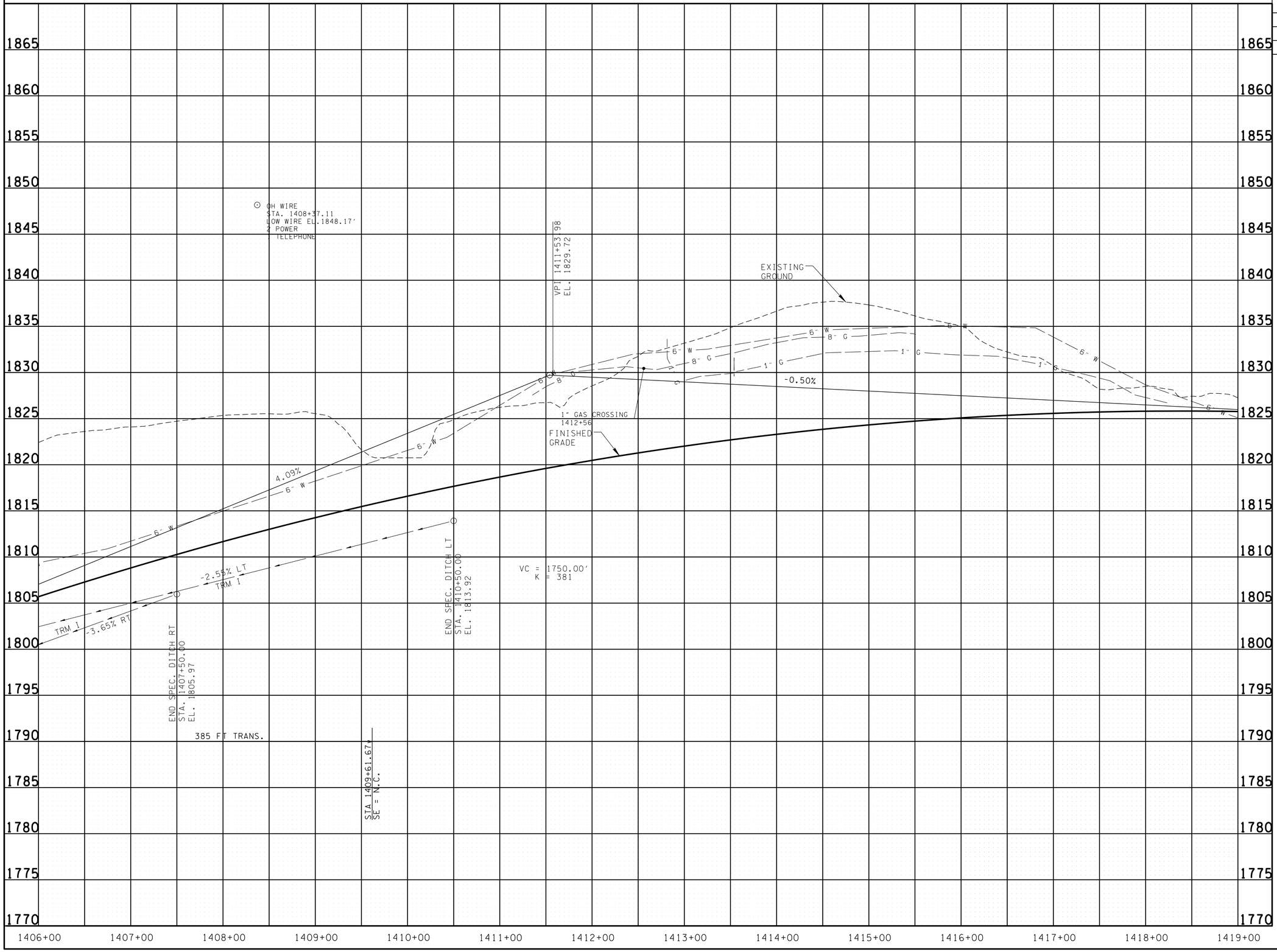
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	14C
PIH	2026	STP/NH/HPP-28(32)	14C
PS&E	2026	STP/NH/HPP-28(32)	14C



3/30/2026
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SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA.1406+00 TO STA.1419+00

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

LEGEND	WETLAND IMPACTS	WTL-10	WTL-11
	AREA OF PERMANENT IMPACT	0.194 AC.	0 AC.
	VOLUME OF PERMANENT IMPACT	313 C.Y.	0 C.Y.
	AREA OF TEMPORARY IMPACT	0 AC.	0.001 AC.
	VOLUME OF TEMPORARY IMPACT	0 C.Y.	1 C.Y.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	15
PIH	2026	STP/NH/HPP-28(32)	15
PS&E	2026	STP/NH/HPP-28(32)	15

REV. 02-09-21: REMOVED STRIKE THROUGH FROM TRACT 127. ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: UPDATED OWNERS FOR TRACTS 123 & 132. ADDED Z-BAR BETWEEN TRACTS 125 & 127. STRIKED THROUGH TRACT 127.
REV. 02-14-24: SPOTTED IMPROVEMENTS ON TRACT 120. CHANGED TRACTS 121, 124, & 132 PROPERTY OWNERS. REVISED TRACTS 122 & 124 PROPERTY LINES. COMBINED TRACTS 125 & 127. STRUCK THROUGH TRACT 127 & CHANGED PROPERTY OWNER. CHANGED TRACT 128A TO 134.
REV. 04-01-25: REVISED TRACT 128 BEGIN FENCE LABEL. ADDED TRACT 128 DRIVEWAY.
REV. 07-03-25: REVISED TRACT 128 OWNER. STRIKED THROUGH TRACT 128. REVISED TRACT 128 PROPOSED ROW LABEL.

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-2227-14 (R.O.W.)
STA. 428+42.14
N 649268.3580
E 2246007.5779

HOLLOW LANE STA. 310+36.00 =
S.R. 28 CONST. ℄ STA. 1427+94.00
N 649214.8124
E 2246016.9949

ENRIQUE J. MENDEZ AND WIFE JOSEFINA GONZALEZ AND FRANCISCO A. CHAVES (122)

ENRIQUE J. MENDEZ AND WIFE JOSEFINA GONZALEZ AND FRANCISCO A. CHAVES (124)

COURTNEY GRACE ALLRED (121) 1420

GARY DOUGLAS RICHARDSON AND WIFE, AMIE LEAH RICHARDSON (125) 1425

BENNIE A. BROWN AND WIFE GINGER L. BROWN (127) 1430

RINNIE VOLUNTEER FIRE DEPT. % PASSMAN SLAVIUS (126)

DONALD L. BRADY AND WIFE DONNA K.BRADY (120)

LYNN CAREY (123)

JEFFREY L. SWIFT AND WIFE, ANTONIA K. SWIFT (132)

GARRY MCNABB, ET. AL. (128)

WWC-3 PROP. ROW (C.A.) & FENCE
WWC-3
STR-11
STR-10
STR-12
SPG-2
WTL-10
WTL-11
TO BE REMOVED 21' OF 18"CMP
BEGIN FENCE 1422+83.01
END FENCE 1422+30.68
58' OF RCBC 4'x4' RCBC (RETAIN)
END FENCE 1425+58.03
BEGIN WTL-11 IMPACT STA. 1428+18.04
TO BE REMOVED 35' OF 18"CMP
BEGIN FENCE 1426+63.49
BEGIN STR-12 IMPACT STA. 1427+71.09
TO BE REMOVED 83' OF 3X5 RCBC
END WTL-11 IMPACT STA. 1428+57.20
END FENCE 1429+28.60
BEGIN FENCE 1429+78.60
TO BE REMOVED 20' OF 18"CMP
TIE TO EXIST. (C.A.) FENCE 1430+21.49
END FENCE 1431+00.00
UNNAMED TRIBUTARY TO WET-11
POND
1-S-FR. BARN
1-S-FR. RES.
SHED
CONCRETE PAD
1.5-S-FR. BARN
1-S-BR. FIRE HALL (REMOVE)
SIGN CUMBERLAND COUNTY FIRE STATION RINNIE STA.
CP-S60
(REMOVE) 1-S-BR. GARAGE
(REMOVE) 1-S-BLK. SHED.
(REMOVE) WTL-10
(REMOVE) 1-S-LOG. BUSS.
BEGIN STR-11 IMPACT STA. 1421+09.39
BEGIN WTL-10 IMPACT STA. 1421+01.00
END STR-11 IMPACT STA. 1422+29.40
END WTL-10 IMPACT STA. 1421+96.28
END STR-12 IMPACT STA. 1424+44.26
TOP OF CUT
TOE OF FILL
TO BE REMOVED WOODEN FOOT BRIDGE
GRADED SOLID ROCK SEE SPECIAL NOTE ON SHEET 2D
24"CYPRESS
20"& 24"CYPRESS
P.L. ℄ S.R. 28 N 31° 29' 26" E
FUTURE ℄
S 58° 30' 34" E
PC 310+87.25
P.I. HOLLOW LINE S 58° 45' W
HOLLOW LANE
BEGIN FENCE 1428+54.82
PROP. ROW (C.A.) & FENCE (BY OTHERS)
END FENCE 1431+00.00
END FENCE 1425+98.84
LIMIT OF CONST. 313+45.74
RETAIN 28' OF 12"CMP
RETAIN 30' OF 12"CMP
PT 312+05.30
CURVE HOLLOW
PI 311+52.68
N 649,153.8655
E 2,246,116.4881
Δ 61° 29' 19" (RT)
D 52° 05' 13"
R 110.00
L 118.05
T 65.43
MATCH LINE STA. 1419+00 SEE SHT. NO. 14
MATCH LINE STA. 1431+50 SEE SHT. NO. 16

PIN 100260.03
END PROJ. NO. STP/NH/HPP-28(32);
18008-3230-14 (CONST.)
STA. 1431+00.00 S.R. 28
N:649475.7467
E:2246176.8363

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-3229-14 (CONST.)
STA. 431+07.40
N 649494.5516
E 2246146.1382

PIN 100260.03
END PROJ. NO. STP/NH/HPP-28(32);
18008-2226-14 (R.O.W.)
STA. 1431+03.64 S.R. 28
N:649478.8506
E:2246178.7377

LEGEND
- AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.
- TEMPORARY CONSTRUCTION EASEMENT
- PERM. DRAINAGE EASEMENT

SEALED BY
RICHARD R. HOLT REGISTERED ENGINEER 130295 STATE OF TENNESSEE
06.02.26

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 1419+00 TO STA. 1431+50

SCALE: 1"= 50'

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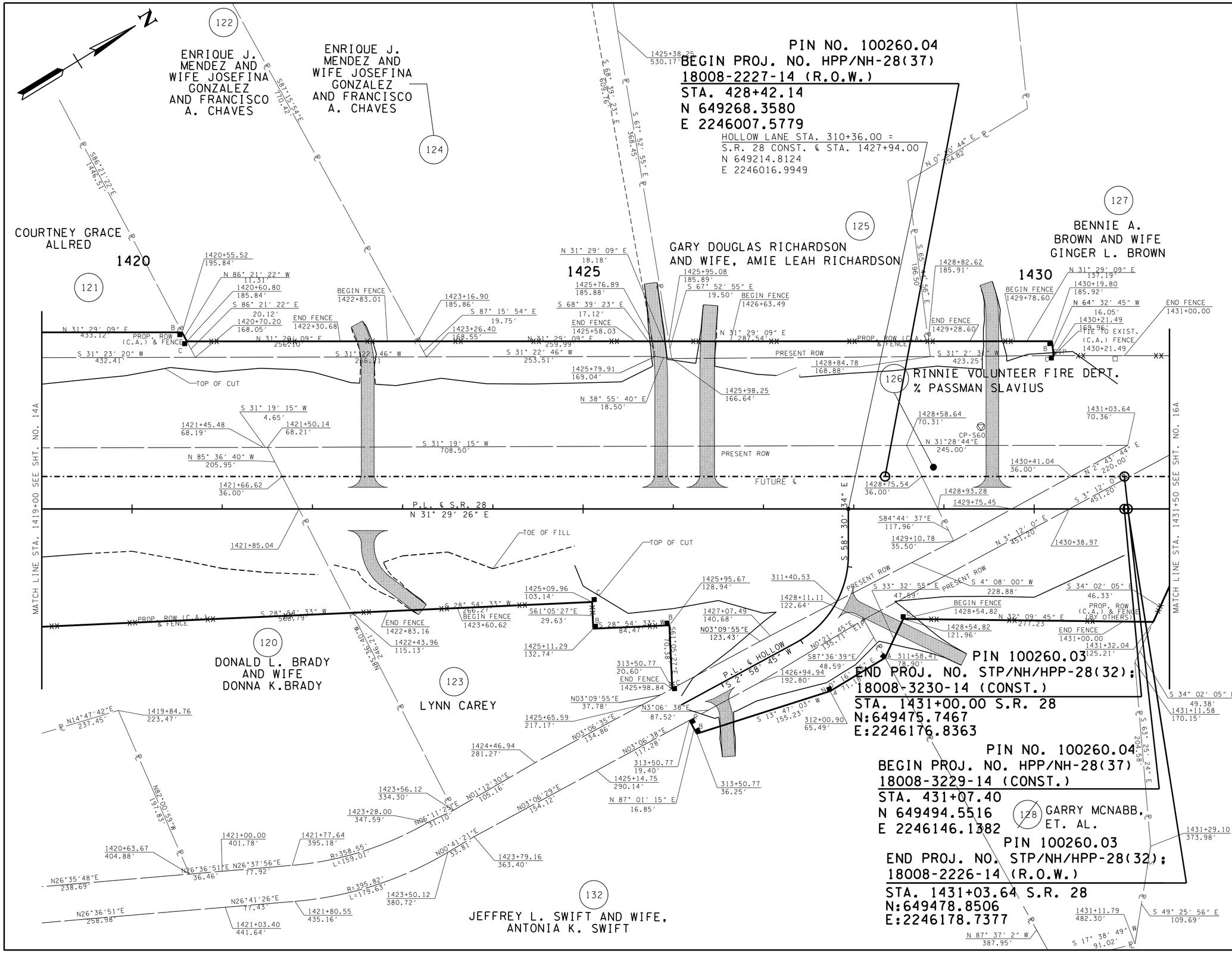

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	15A
PIH	2026	STP/NH/HPP-28(32)	15A
PS&E	2026	STP/NH/HPP-28(32)	15A

REV. 02-09-21: REMOVED STRIKE THROUGH FROM TRACT 127. ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: UPDATED OWNERS FOR TRACTS 123 & 132. ADDED Z-BAR BETWEEN TRACTS 125 & 127. STRIKED THROUGH TRACT 127.
REV. 02-14-24: CHANGED TRACTS 121, 124, & 132 PROPERTY OWNERS. REVISED TRACTS 122 & 124 PROPERTY LINES. COMBINED TRACTS 125 &127. STRUCK THROUGH TRACT 127. CORRECTED BEARINGS & DISTANCES, STATIONS & OFFSET. RENAMED TRACT 128A TO 134. REVISED TRACT 127 PROPERTY OWNER.
REV. 04-01-25: REVISED TRACT 128 BEGIN FENCE LABEL. ADDED TRACT 128 DRIVEWAY.
REV. 07-03-25: REVISED TRACT 128 OWNER. STRIKED THROUGH TRACT 128

NOTE:
SLOPE LINES SHOWN TO REPRESENT THE ULTIMATE SECTION

LEGEND

TEMPORARY CONSTRUCTION EASEMENT

PERM. DRAINAGE EASEMENT

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
06.02.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 1419+00 TO STA. 1431+50

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	15B
PIH	2026	STP/NH/HPP-28(32)	15B
PS&E	2026	STP/NH/HPP-28(32)	15B

REV. 04-01-25: ADDED TRACT 128 DRIVEWAY.

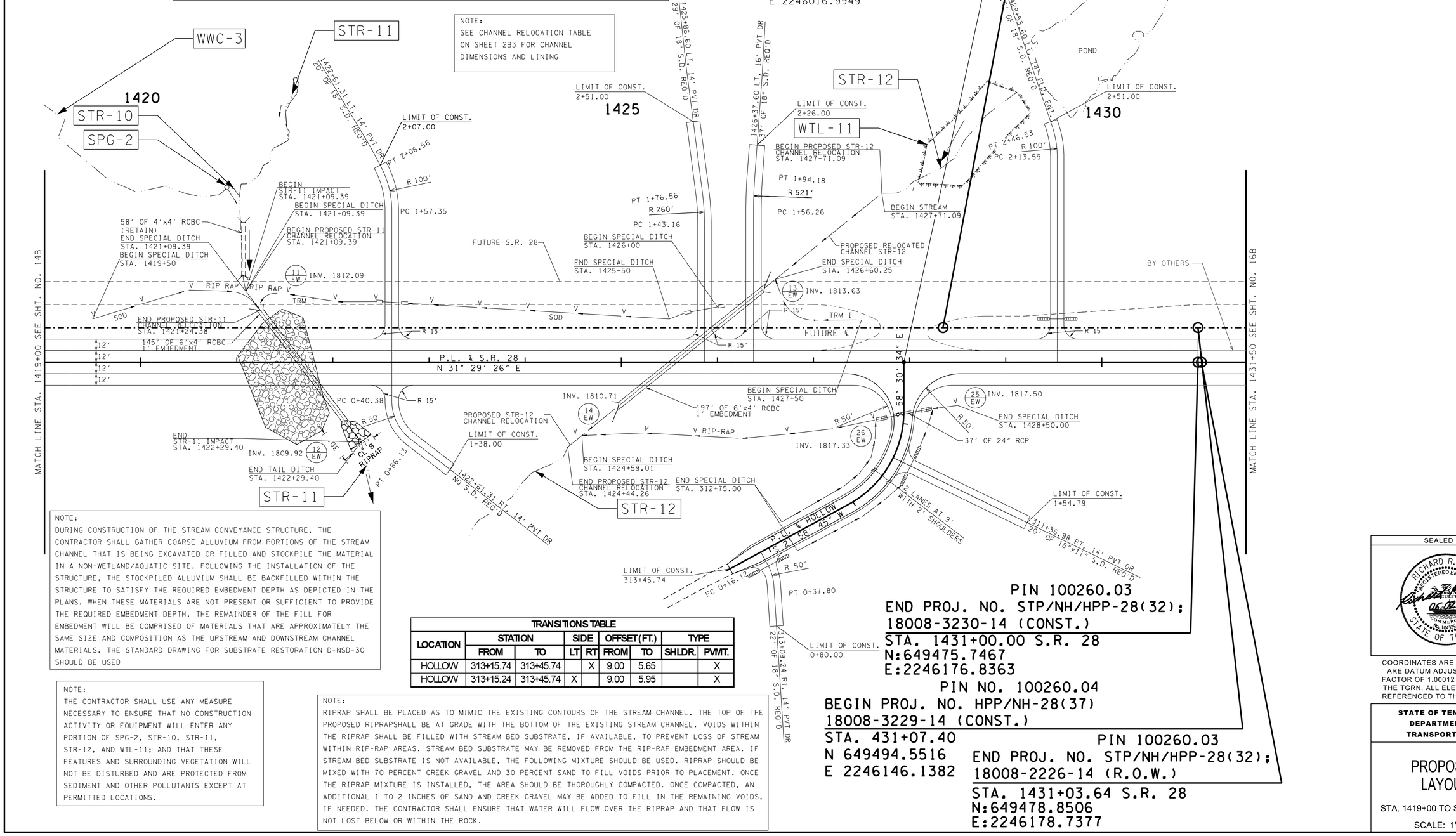
NOTE:
THE STREAM AT THE INLET AND OUTLET OF PROPOSED EMBEDDED STREAM CONVEYANCE STRUCTURES SHALL BE RESTORED TO THE PRECONSTRUCTION STREAM CHANNEL CROSS-SECTION MATCHING THE CHANNEL BOTTOM WIDTH AND BANK HEIGHT AND WIDTH. THE RESTORED STREAM CHANNEL WILL BE CONSTRUCTED FROM THE EXCAVATED STREAM AND STREAM BANK MATERIALS, OR OTHER MATERIALS IF SPECIFIED, ONCE THE CONSTRUCTION OF THE STREAM CONVEYANCE STRUCTURE IS COMPLETE. REFER TO THE "EMBEDDING OF STRUCTURES" NOTE FOR SPECIFICATIONS OF EXCAVATED STREAM MATERIALS TO BE USED, IF APPLICABLE. WHEN RECONSTRUCTING THE STREAM BANK, USE A COIR FIBER ROLL AT THE TOE OF THE BANK TO PROVIDE BANK STABILITY WHILE NATIVE VEGETATION ESTABLISHES. STANDARD DRAWING D-NSD-33 MUST BE USED FOR COIR FIBER ROLL INSTALLATION. STREAM BANK MATERIALS EXCAVATED DURING THE CONSTRUCTION OF THE STREAM CONVEYANCE STRUCTURE, OR OTHER MATERIALS IF SPECIFIED, SHOULD BE USED WHEN RECONSTRUCTING THE STREAM BANK ONCE THE STRUCTURE IS COMPLETE. NATIVE SEED MIXTURES AS SPECIFIED IN STANDARD DRAWING STD-17-20 SHALL BE PLANTED ONCE THE BANK CONSTRUCTION IS COMPLETE. IF NATURAL CHANNEL DESIGN IS PROPOSED AT THE STRUCTURE INLET, OUTLET, OR BOTH, IMPLEMENT THE DESIGN AS SHOWN IN THE NATURAL CHANNEL DESIGN PLANS INSTEAD OF RESTORING THE CHANNEL TO THE PRECONSTRUCTION CROSS-SECTION.

SEE SHEET #19 FOR SIDE ROAD PROFILE

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-2227-14 (R.O.W.)
STA. 428+42.14
N 649268.3580
E 2246007.5779

HOLLOW LANE STA. 310+36.00 =
S.R. 28 CONST. ℄ STA. 1427+94.00
N 649214.8124
E 2246016.9949

NOTE:
SEE CHANNEL RELOCATION TABLE ON SHEET 2B3 FOR CHANNEL DIMENSIONS AND LINING



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

TRANSITIONS TABLE								
LOCATION	STATION		SIDE		OFFSET (FT.)		TYPE	
	FROM	TO	LT	RT	FROM	TO	SHLDR.	PVMT.
HOLLOW	313+15.74	313+45.74		X	9.00	5.65		X
HOLLOW	313+15.24	313+45.74	X		9.00	5.95		X

NOTE:
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY OR EQUIPMENT WILL ENTER ANY PORTION OF SPG-2, STR-10, STR-11, STR-12, AND WTL-11; AND THAT THESE FEATURES AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT PERMITTED LOCATIONS.

NOTE:
RIPRAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIPRAPSHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIPRAP SHALL BE FILLED WITH STREAM BED SUBSTRATE, IF AVAILABLE, TO PREVENT LOSS OF STREAM WITHIN RIP-RAP AREAS. STREAM BED SUBSTRATE MAY BE REMOVED FROM THE RIP-RAP EMBEDMENT AREA. IF STREAM BED SUBSTRATE IS NOT AVAILABLE, THE FOLLOWING MIXTURE SHOULD BE USED. RIPRAP SHOULD BE MIXED WITH 70 PERCENT CREEK GRAVEL AND 30 PERCENT SAND TO FILL VOIDS PRIOR TO PLACEMENT. ONCE THE RIPRAP MIXTURE IS INSTALLED, THE AREA SHOULD BE THOROUGHLY COMPACTED. ONCE COMPACTED, AN ADDITIONAL 1 TO 2 INCHES OF SAND AND CREEK GRAVEL MAY BE ADDED TO FILL IN THE REMAINING VOIDS, IF NEEDED. THE CONTRACTOR SHALL ENSURE THAT WATER WILL FLOW OVER THE RIPRAP AND THAT FLOW IS NOT LOST BELOW OR WITHIN THE ROCK.

PIN 100260.03
END PROJ. NO. STP/NH/HPP-28(32);
18008-3230-14 (CONST.)
STA. 1431+00.00 S.R. 28
N:649475.7467
E:2246176.8363

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-3229-14 (CONST.)
STA. 431+07.40
N 649494.5516
E 2246146.1382

PIN 100260.03
END PROJ. NO. STP/NH/HPP-28(32);
18008-2226-14 (R.O.W.)
STA. 1431+03.64 S.R. 28
N:649478.8506
E:2246178.7377

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 1419+00 TO STA. 1431+50

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	15C
PIH	2026	STP/NH/HPP-28(32)	15C
PS&E	2026	STP/NH/HPP-28(32)	15C

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-2227-14 (R.O.W.)
STA. 428+42.14 S.R. 28

PIN 100260.03
END PROJ. NO. STP/NH/HPP-28(32);
18008-2226-14 (R.O.W.)
STA. 1431+03.64 S.R. 28
ELEV. 1826.29

PIN 100260.03
END PROJ. NO. STP/NH/HPP-28(32);
18008-3230-14 (CONST.)
STA. 1431+00.00 S.R. 28

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-3229-14 (CONST.)
STA. 431+07.40 S.R. 28

STA. 1427+94.00 S.R. 28 =
STA. 310+36.00 HOLLOW LANE
ELEV. 1822.81

VC = 650.00'
K = 251

VPT 1420+28.98
EL. 1825.35

VPC 1425+39.34
EL. 1822.79

BEGIN SPEC. DITCH LT
STA. 426+60.25
EL. 1814.91

END SPEC. DITCH LT
STA. 1427+50.00
EL. 1818.88

END SPEC. DITCH RT
STA. 1428+50.00
EL. 1818.94

EXISTING GROUND

8" GAS CROSSING
1430+55

BY OTHERS

FUTURE

FINISHED GRADE

-0.50%

2.08%

145 LF OF 6'x4' RCBC

-3.13% LT

-5.54% LT

-0.50% LT

SOD

-1.42% RT

RIP-RAP

-4.42% LT

TRM

-5.83% RT

-5.31% RT

197 LF OF 6'x4' RCBC

BEGIN SPEC. DITCH LT
STA. 1419+50.00
EL. 1821.92

SPEC. DITCH LT
STA. 1421+09.29
EL. 1813.09

VPI LT 1422+50.00
EL. 1817.50

END SPEC. DITCH LT
STA. 1425+50.00
EL. 1819.00

BEGIN SPEC. DITCH RT
STA. 1424+59.01
EL. 1810.44

VPI RT 1427+00.00
EL. 1813.55

END SPEC. DITCH RT
STA. 1427+64.84
EL. 1817.33

BEGIN SPEC. DITCH RT
STA. 1428+22.89
EL. 1817.50

VPI 1428+64.34
EL. 1821.17

BOX CULVERT

STATION:	**1421+65.84**	
STRUCTURE:	**145 LF OF 6'x4' RCBC**	
SKEW	**52**	**DEG.**
DRAINAGE AREA	**41.55**	**AC.**
DESIGN DISCHARGE (Q50)	**55.00**	**CFS**
DESIGN DISCHARGE (Q100)	**66.00**	**CFS**
Q50 HEADWATER ELEV.	**1815.70**	
Q100 HEADWATER ELEV.	**1815.89**	
VELOCITY (Q50)	**6.83**	**FT/S**
VELOCITY (Q100)	**7.14**	**FT/S**
ENDWALLS REQUIRED:	**4**	**EA.**

STANDARD DRAWING NOS.:
A-17-08, STA-17-11, STA-17-14, STA-17-17, STA-17-18 STA-17-20, STA-17-51

BOX CULVERT

STATION:	**1425+53.55**	
STRUCTURE:	**197 LF OF 6'x4' RCBC**	
SKEW	**39**	**DEG.**
DRAINAGE AREA	**22.87**	**AC.**
DESIGN DISCHARGE (Q50)	**38.00**	**CFS**
DESIGN DISCHARGE (Q100)	**43.00**	**CFS**
Q50 HEADWATER ELEV.	**1816.37**	
Q100 HEADWATER ELEV.	**1816.60**	
VELOCITY (Q50)	**5.92**	**FT/S**
VELOCITY (Q100)	**6.21**	**FT/S**
ENDWALLS REQUIRED:	**4**	**EA.**

STANDARD DRAWING NOS.:
R-17-08, STR-17-11, STR-17-14, STR-17-17, STR-17-18 STR-17-20, STR-17-51

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
06.02.26
No. 104329
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA.1419+00 TO STA.1431+50

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	16
PIH	2026	STP/NH/HPP-28(32)	16
PS&E	2026	STP/NH/HPP-28(32)	16

REV. 02-09-21: REMOVED STRIKE THROUGH FROM TRACTS 127 & 129. ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: STRIKED THROUGH TRACTS 127 & 129.
REV. 02-14-24: STRUCK THROUGH TRACTS 127 & 129. REMOVED "Z" BAR FROM TRACT 128. RENAMED TRACT 128A TO 134. REVISED TRACT 127 PROPERTY OWNER.

N

127
BENNIE A. BROWN
AND WIFE
GINGER L. BROWN

1435

129
BENNIE A. BROWN,
AND WIFE,
MARGIE BROWN

1440

ELMORE RD.

POND

TRAIL

PRES. ROW & PROP.
(C.A.) FENCE (BY OTHERS)

6" W

22.5'

EIP

8" G

ASP.

61' W

FUTURE ℄

WOOD

P.L. ℄ S.R. 28
N 31° 29' 26" E

MATCH LINE STA. 1431+50 SEE SHT. NO. 15

130
ODES L. COOK
AND
JANELLE M. COOK

PROP. ROW (C.A.)
& FENCE (BY OTHERS)

CATOOSA RIDGE DRIVE

6" W

OOOM

P (UG)

PROP. ROW
(BY OTHERS)

134
MILLARD V. OAKLEY

LEGEND

AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
COMMISSION NO. 104329

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PRESENT LAYOUT

STA. 1431+50 TO STA. 1443+15

SCALE: 1"= 50'

NOTE:
THIS SHEET SHOWN FOR INFORMATIONAL PURPOSES ONLY. REFER TO PIN 100260.04 PLANS FOR ADDITIONAL DETAILS.

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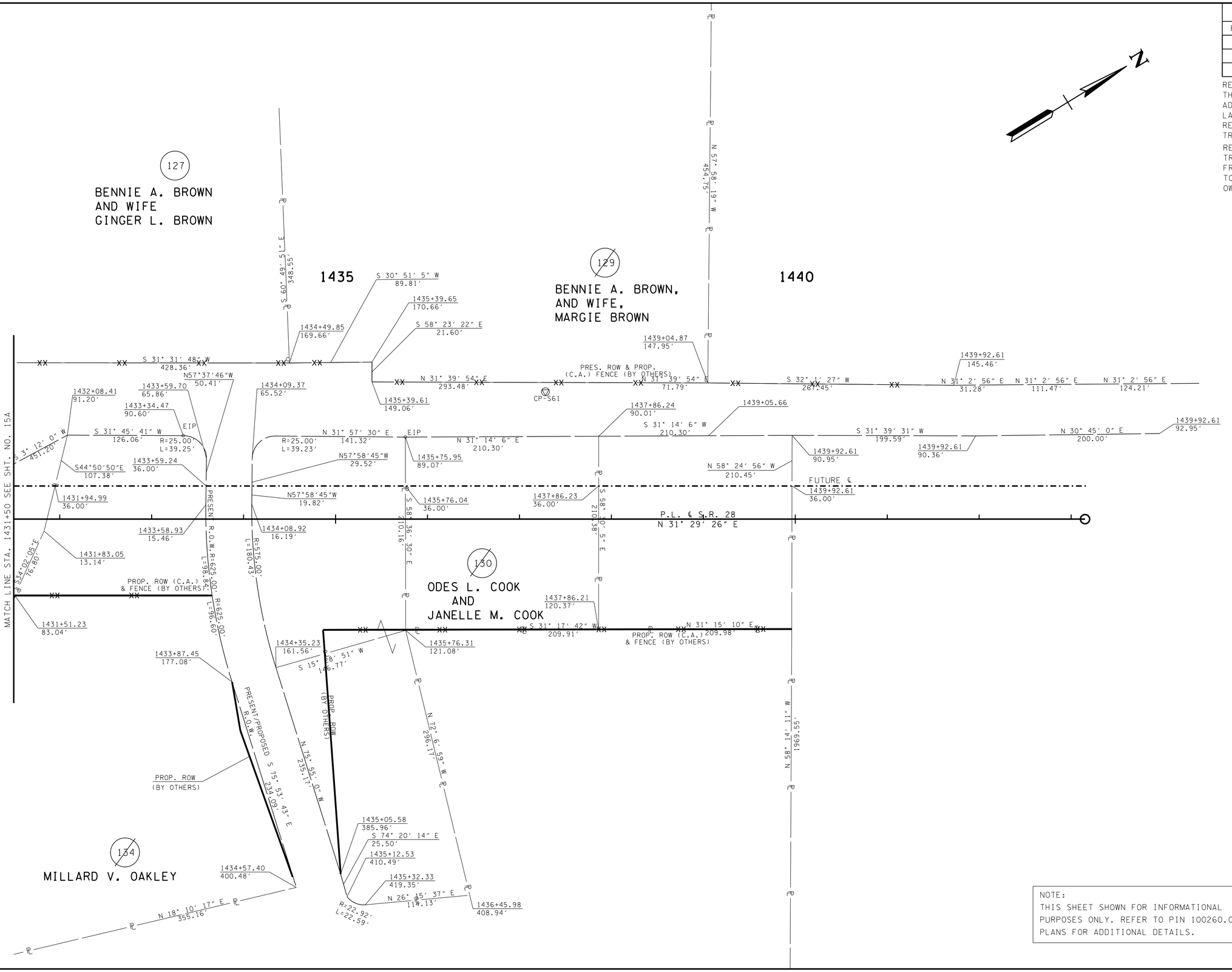
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	16A
PIH	2026	STP/NH/HPP-28(32)	16A
PS&E	2026	STP/NH/HPP-28(32)	16A

REV. 02-09-21: REMOVED STRIKE THROUGH FROM TRACTS 127 & 129. ADDED BEGIN & END C.A. FENCE LABELS.
REV. 01-11-22: STRIKED THROUGH TRACTS 127 & 129.
REV. 02-14-24: STRUCK THROUGH TRACTS 127 & 129. REMOVED "Z" BAR FROM TRACT 128. CHANGED TRACT 128A TO 134. REVISED TRACT 127 PROPERTY OWNER.



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SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
No. 104329
STATE OF TENNESSEE
06.02.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 1431+50 TO STA. 1443+15

SCALE: 1"= 50'

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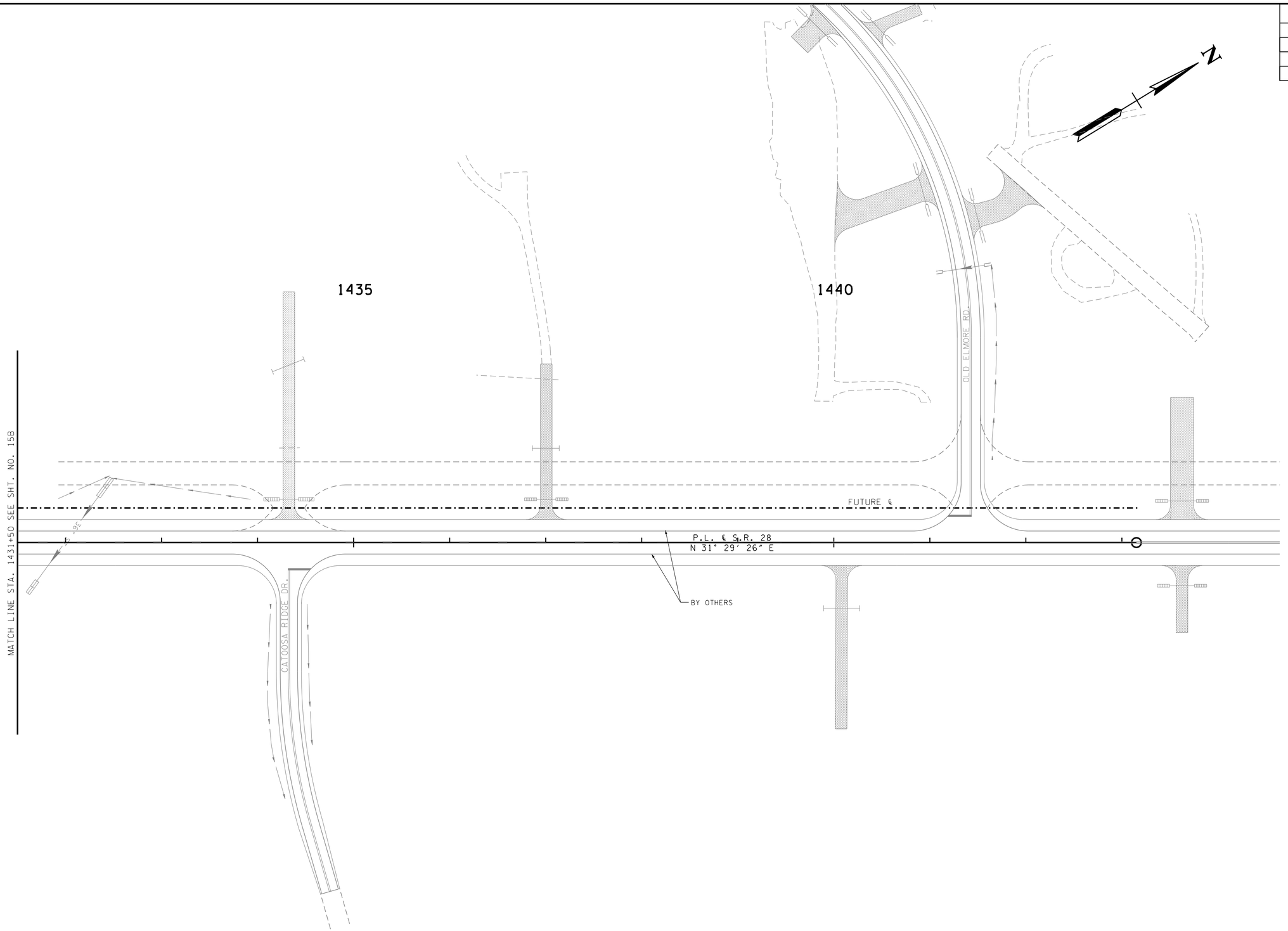
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	16B
PIH	2026	STP/NH/HPP-28(32)	16B
PS&E	2026	STP/NH/HPP-28(32)	16B



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SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
No. 104329
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 1431+50 TO STA. 1443+15

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	16C
PIH	2026	STP/NH/HPP-28(32)	16C
PS&E	2026	STP/NH/HPP-28(32)	16C



NOTE:
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SEALED BY

RICHARD R. HOLT
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CULTURE
COMMERCE
No. 104329
STATE OF TENNESSEE
06.02.26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA.1431+50 TO STA. 1443+15

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	17
PIH	2026	STP/NH/HPP-28(32)	17
PS&E	2026	STP/NH/HPP-28(32)	17

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.

BOX CULVERT

STATION:	182+37	
STRUCTURE:	48 LF OF 8'x4' RCBC	
SKEW	90	DEG.
DRAINAGE AREA	17.20	AC.
DESIGN DISCHARGE (Q50)	39.15	CFS
DESIGN DISCHARGE (Q100)	43.71	CFS
Q50 HEADWATER ELEV.	1850.22	
Q100 HEADWATER ELEV.	1850.33	
VELOCITY (Q50)	7.59	FT/S
VELOCITY (Q100)	7.84	FT/S

ENDWALLS REQUIRED:

STANDARD DRAWING NOS.:

PIPE CULVERT

STATION:	213+00	
STRUCTURE:	31 LF OF 24" RCP	
SKEW	90	DEG.
DRAINAGE AREA	4.57	AC.
DESIGN DISCHARGE (Q50)	10.40	CFS
DESIGN DISCHARGE (Q100)	11.75	CFS
Q50 HEADWATER ELEV.	1840.61	
Q100 HEADWATER ELEV.	1840.75	
VELOCITY (Q50)	10.81	FT/S
VELOCITY (Q100)	11.06	FT/S

ENDWALLS REQUIRED: "B" ENDWALL (2)

STANDARD DRAWING NOS.:
D-PB-1, DPE-9, D-PE-9A, D-PE-C,& D-PE-9E

PIPE CULVERT

STATION:	241+17	
STRUCTURE:	39 LF OF 18" RCP	
SKEW	90	DEG.
DRAINAGE AREA	1.72	AC.
DESIGN DISCHARGE (Q50)	4.32	CFS
DESIGN DISCHARGE (Q100)	4.85	CFS
Q50 HEADWATER ELEV.	1826.12	
Q100 HEADWATER ELEV.	1826.22	
VELOCITY (Q50)	2.76	FT/S
VELOCITY (Q100)	2.97	FT/S

ENDWALLS REQUIRED: "U" ENDWALL (2)

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

STA. 1299+55.00 S.R. 28 =
STA. 180+36.00 MAYFAIR DR.

STA. 1316+55.00 S.R. 28 =
STA. 215+87.10 BYERS LN.

STA. 1329+51.00 S.R. 28 =
STA. 233+63.78 RECTOR RD.

STA. 1329+51.00 S.R. 28 =
STA. 240+00.00 GOSS RD.

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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

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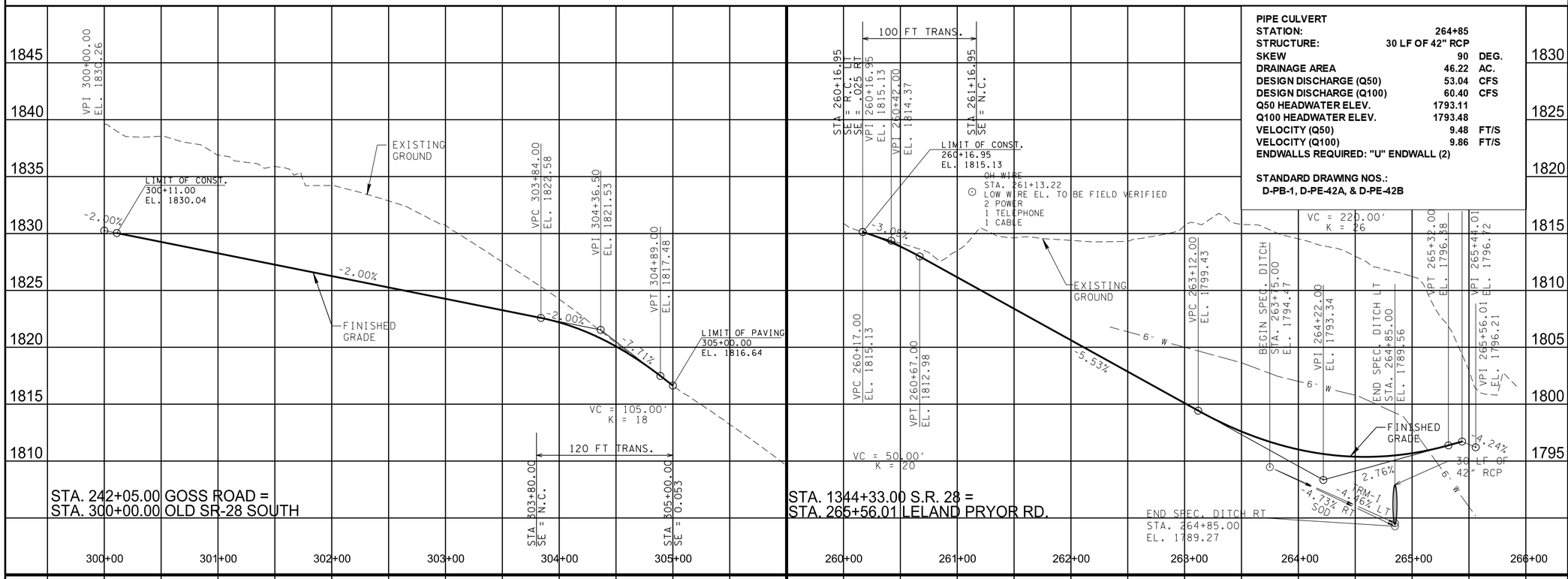
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	18
PIH	2026	STP/NH/HPP-28(32)	18
PS&E	2026	STP/NH/HPP-28(32)	18

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.



SEALED BY

RICHARD R. HOLT REGISTERED ENGINEER 04.07.26 STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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

3/30/2026
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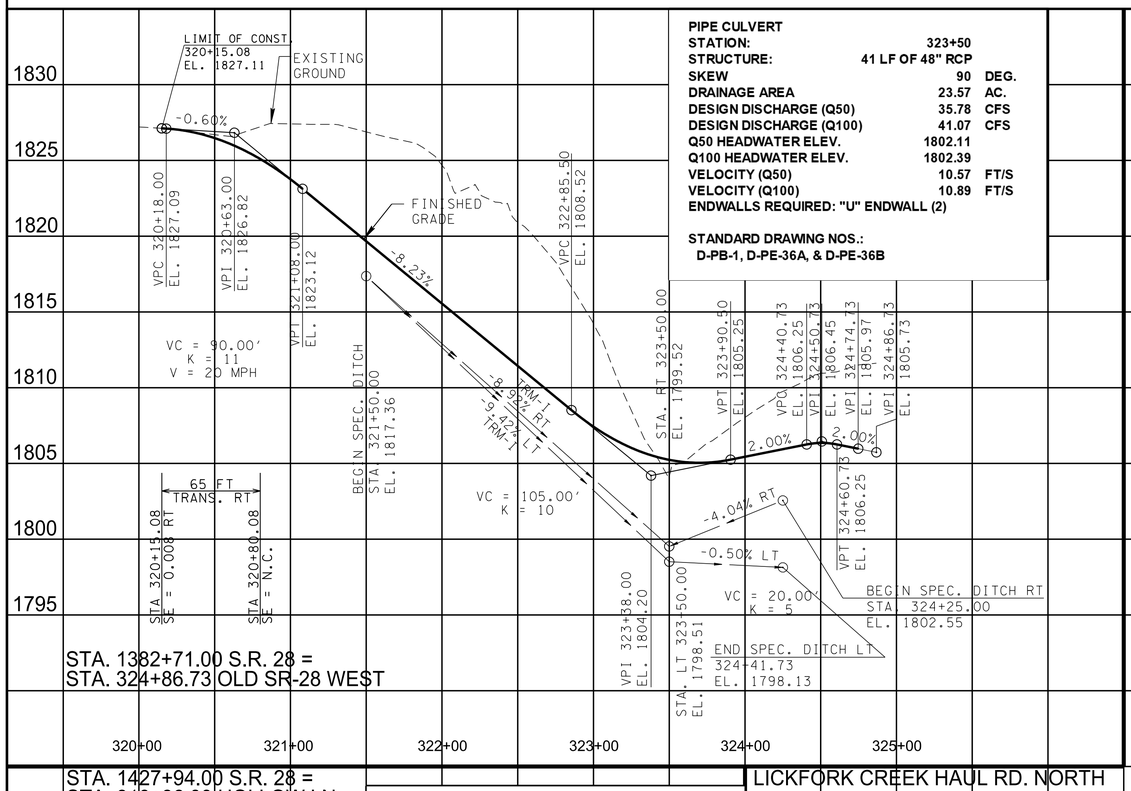
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	19
PIH	2026	STP/NH/HPP-28(32)	19
PS&E	2026	STP/NH/HPP-28(32)	19

PIPE CULVERT
STATION: 323+50
STRUCTURE: 41 LF OF 48" RCP

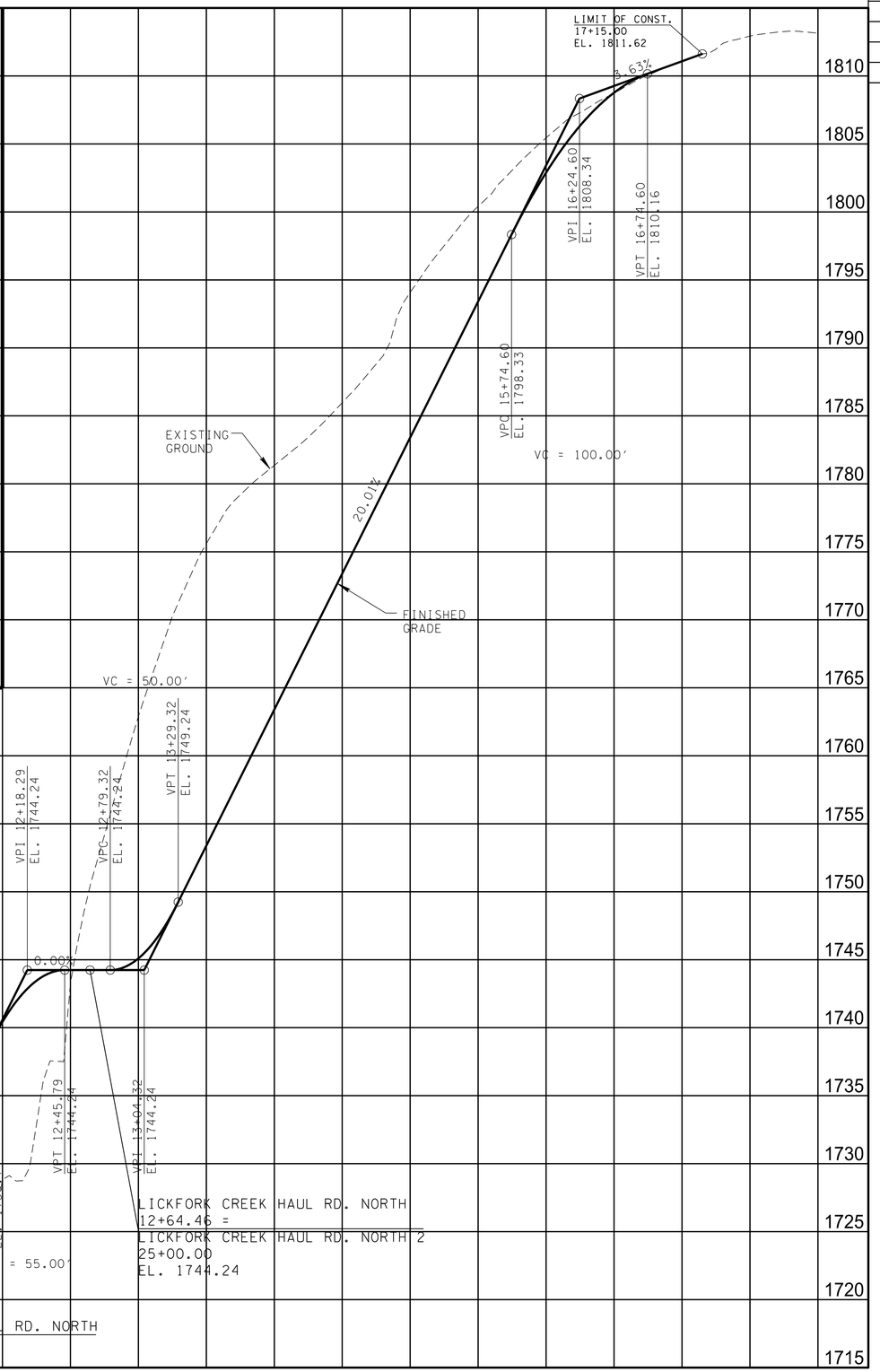
SKEW	90	DEG.
DRAINAGE AREA	23.57	AC.
DESIGN DISCHARGE (Q50)	35.78	CFS
DESIGN DISCHARGE (Q100)	41.07	CFS
Q50 HEADWATER ELEV.	1802.11	
Q100 HEADWATER ELEV.	1802.39	
VELOCITY (Q50)	10.57	FT/S
VELOCITY (Q100)	10.89	FT/S

ENDWALLS REQUIRED: "U" ENDWALL (2)

STANDARD DRAWING NOS.:
D-PB-1, D-PE-36A, & D-PE-36B



STA. 1382+71.00 S.R. 28 =
STA. 324+86.73 OLD SR-28 WEST



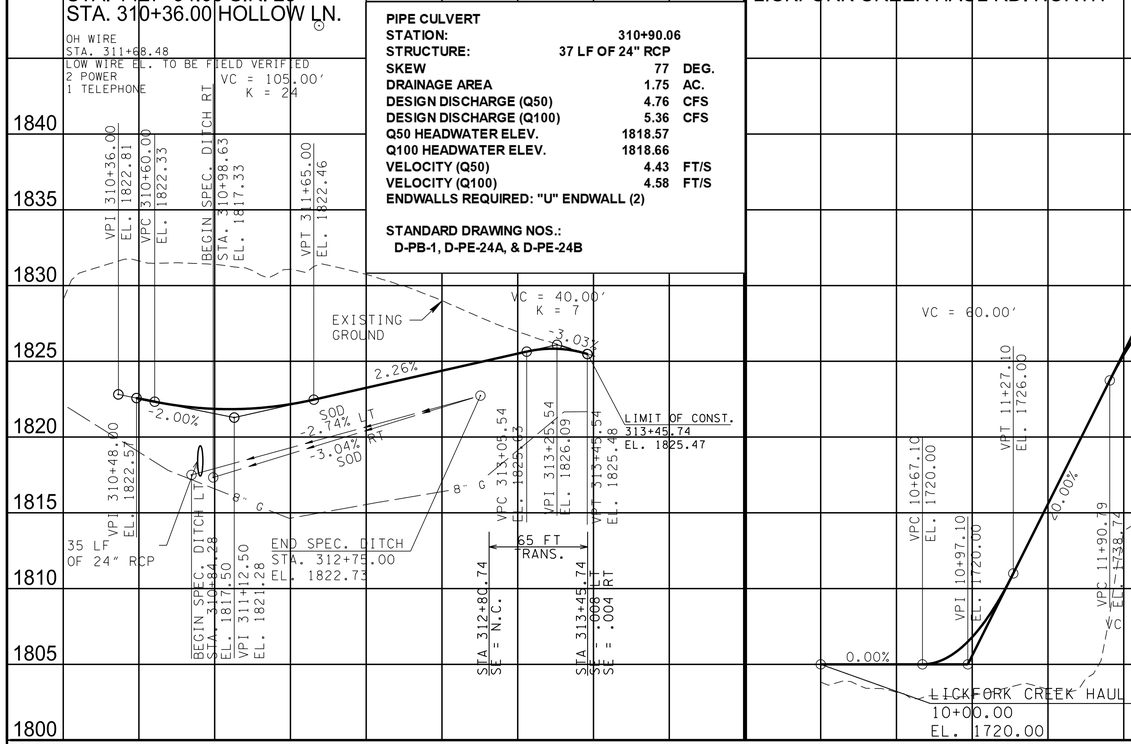
STA. 1427+94.00 S.R. 28 =
STA. 310+36.00 HOLLOW LN.

PIPE CULVERT
STATION: 310+90.06
STRUCTURE: 37 LF OF 24" RCP

SKEW	77	DEG.
DRAINAGE AREA	1.75	AC.
DESIGN DISCHARGE (Q50)	4.76	CFS
DESIGN DISCHARGE (Q100)	5.36	CFS
Q50 HEADWATER ELEV.	1818.57	
Q100 HEADWATER ELEV.	1818.66	
VELOCITY (Q50)	4.43	FT/S
VELOCITY (Q100)	4.58	FT/S

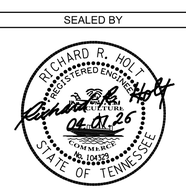
ENDWALLS REQUIRED: "U" ENDWALL (2)

STANDARD DRAWING NOS.:
D-PB-1, D-PE-24A, & D-PE-24B



LICKFORK CREEK HAUL RD. NORTH

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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

3/30/2026
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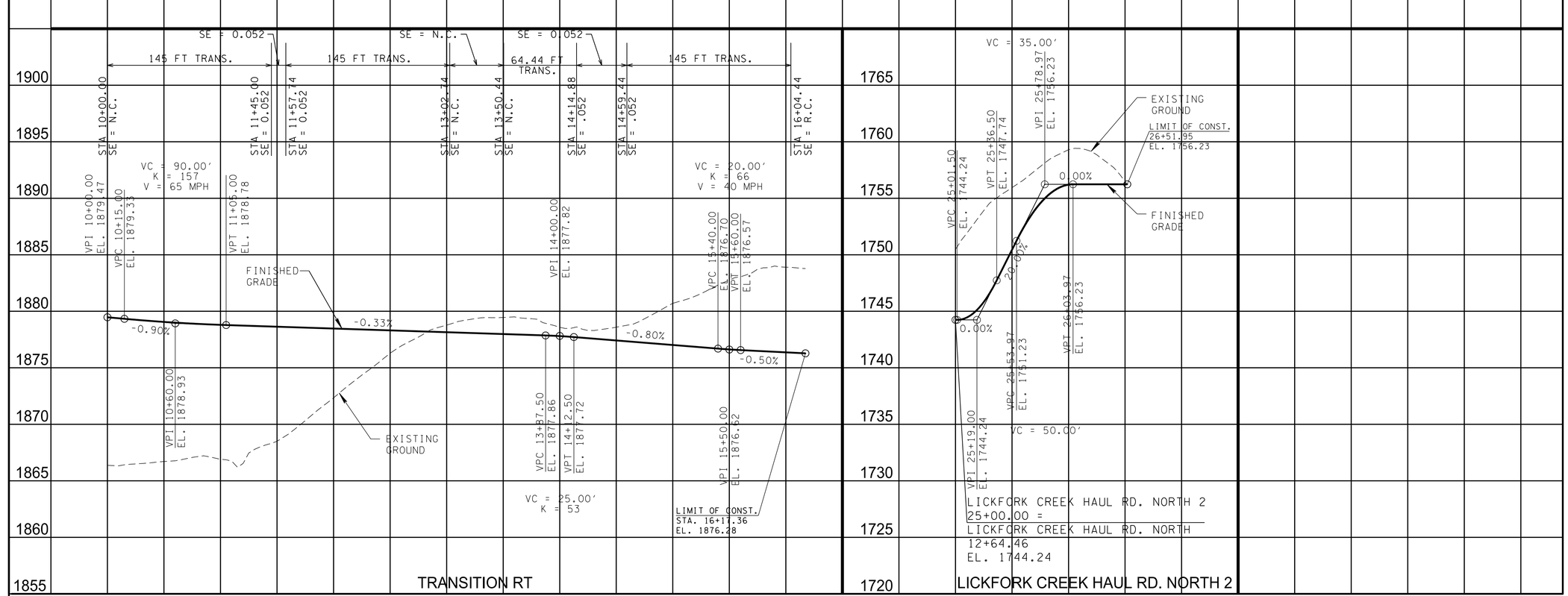
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	20
PIH	2026	STP/NH/HPP-28(32)	20
PS&E	2026	STP/NH/HPP-28(32)	20



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RICHARD R. HOLT REGISTERED ENGINEER No. 104329 COMMERCE STATE OF TENNESSEE
05.20.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

16+00SCALE: 1"= 50' HORIZ. 1"= 5' VERT.

CELL MGRID

5/20/2026

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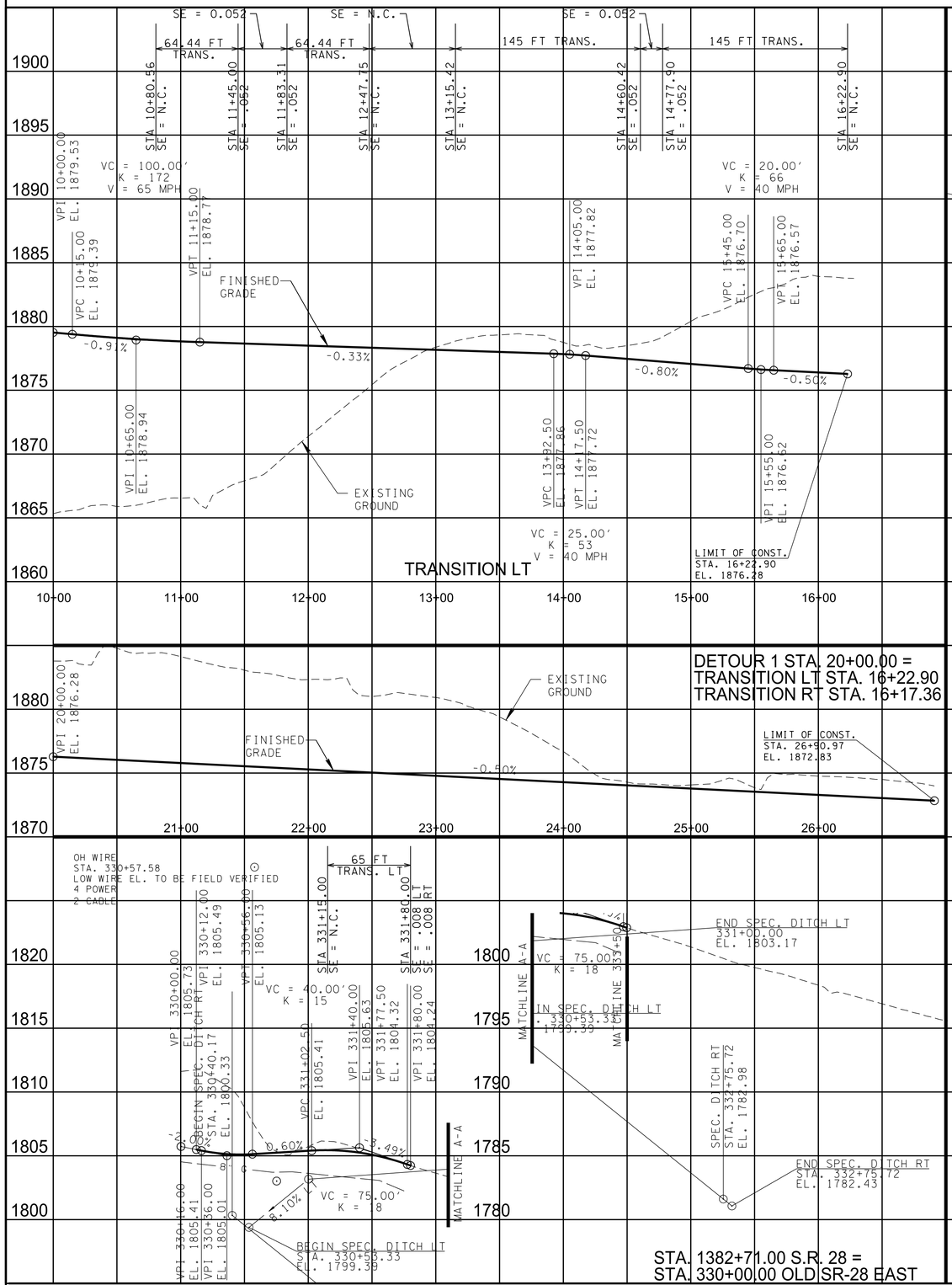
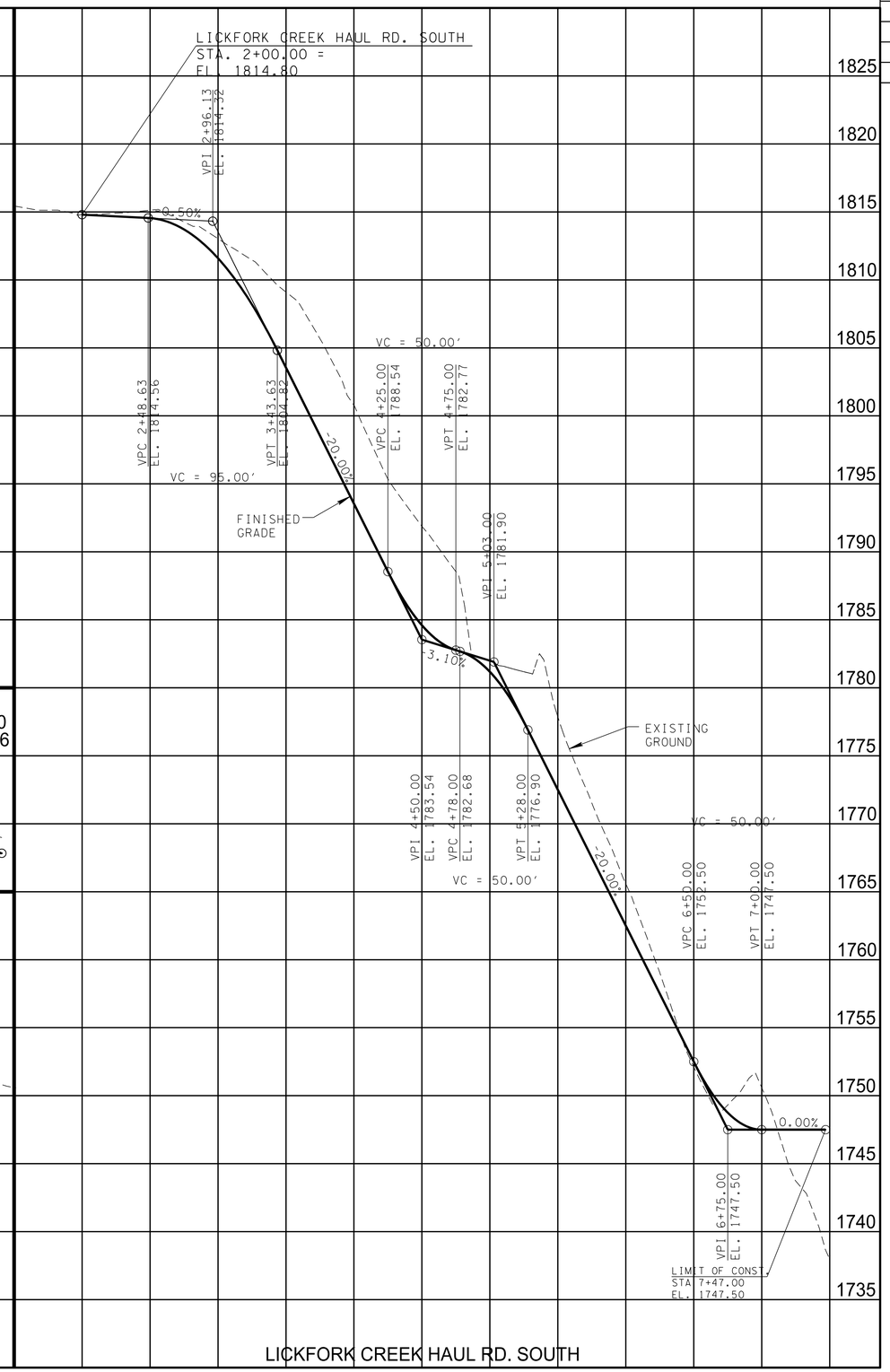
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	21
PIH	2026	STP/NH/HPP-28(32)	21
PS&E	2026	STP/NH/HPP-28(32)	21





STA. 1382+71.00 S.R. 28 = STA. 330+00.00 OLD SR-28 EAST

LICKFORK CREEK HAUL RD. SOUTH

2+00 3+00 4+00 5+00 6+00 7+00

SEALED BY

RICHARD R. HOLT REGISTERED ENGINEER 04.17.26 COMMISSION NO. 130929 STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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

CELL MGRID

3/30/2026

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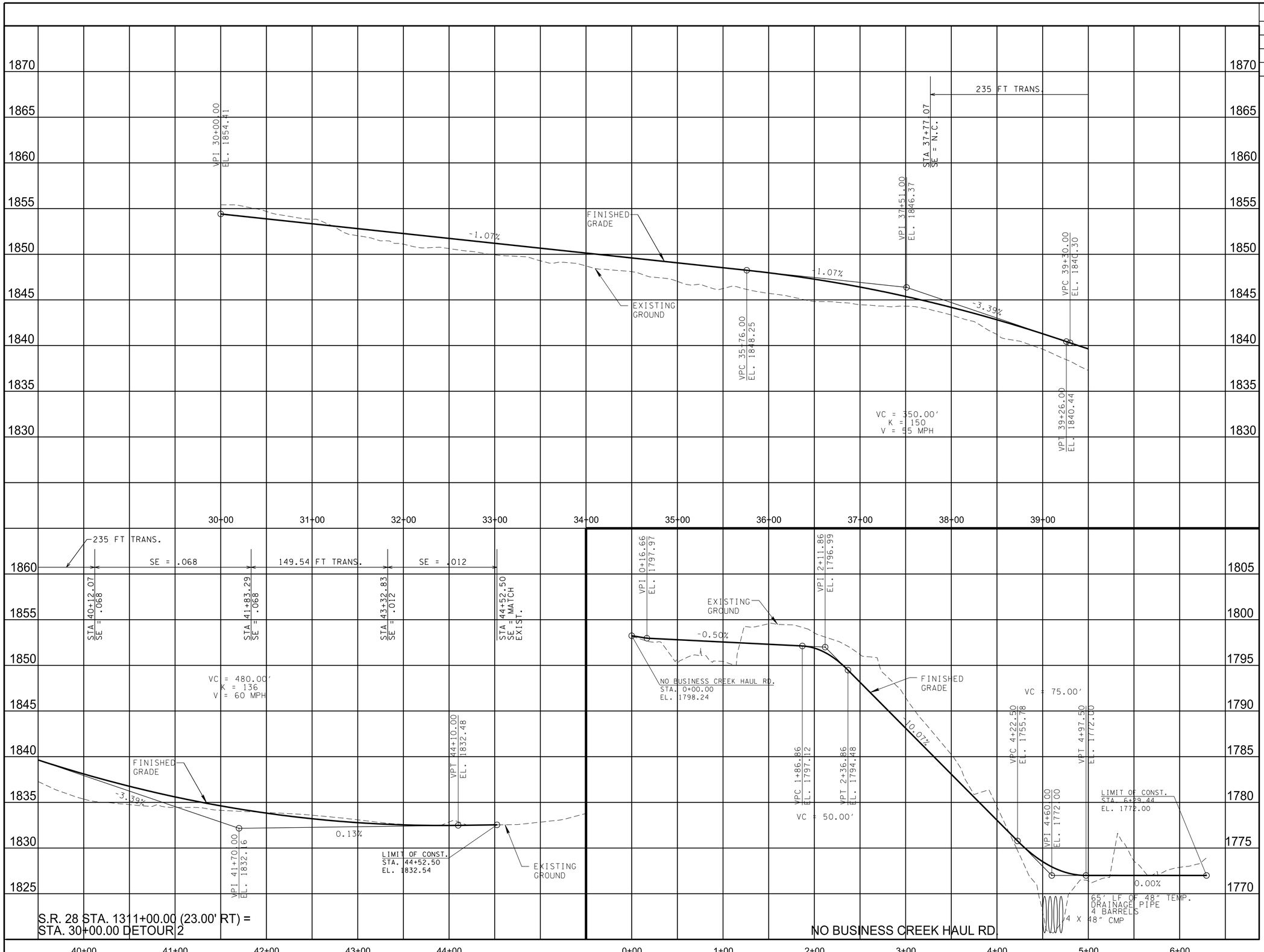
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	22
PIH	2026	STP/NH/HPP-28(32)	22
PS&E	2026	STP/NH/HPP-28(32)	22



SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
04.07.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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

CELL MGRID
3/30/2026
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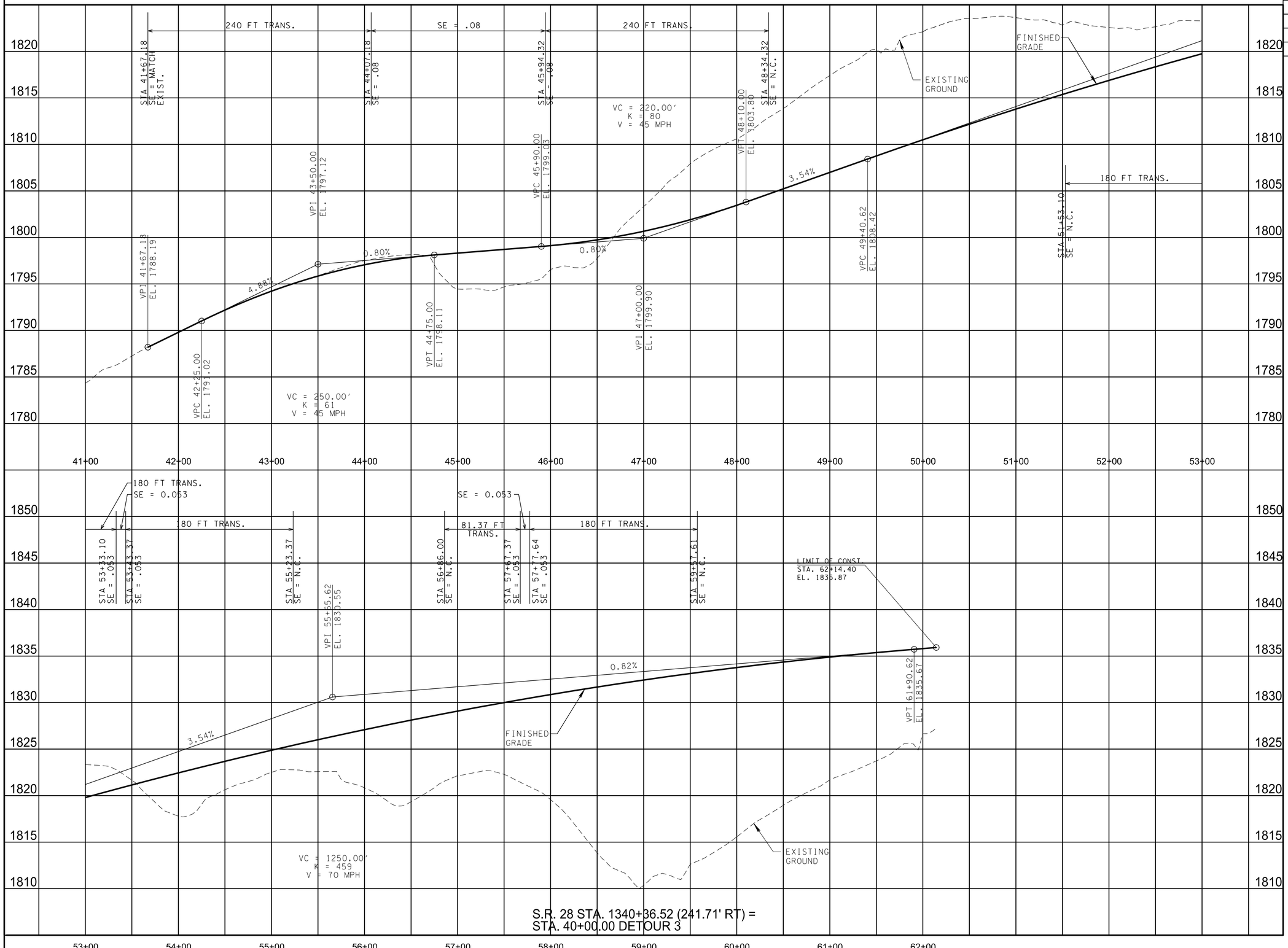
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	23
PIH	2026	STP/NH/HPP-28(32)	23
PS&E	2026	STP/NH/HPP-28(32)	23



S.R. 28 STA. 1340+36.52 (241.71' RT) =
STA. 40+00.00 DETOUR 3

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RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
04.07.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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

CELL MGRID
3/30/2026
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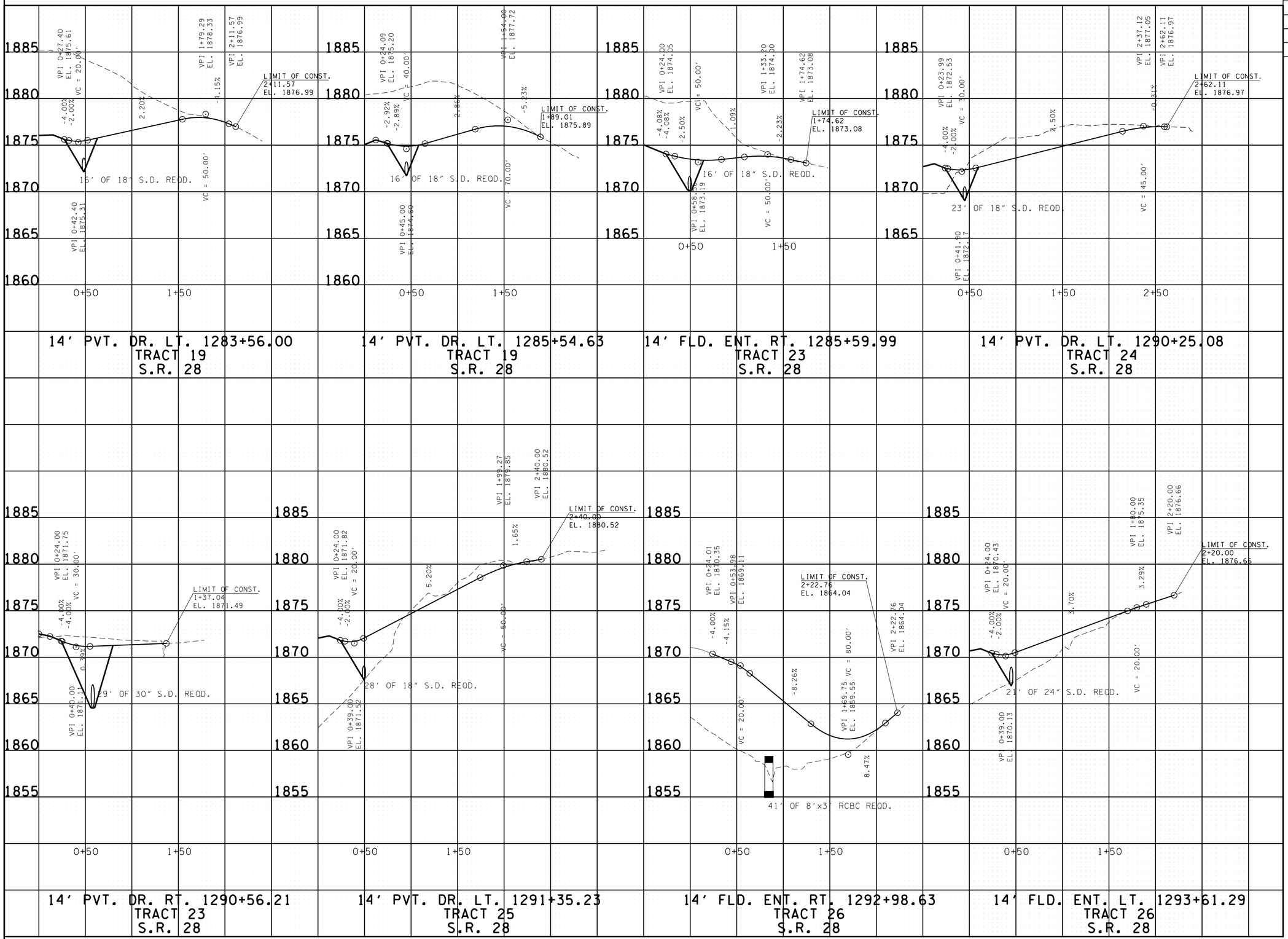
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	24
PIH	2026	STP/NH/HPP-28(32)	24
PS&E	2026	STP/NH/HPP-28(32)	24



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RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

3/30/2026
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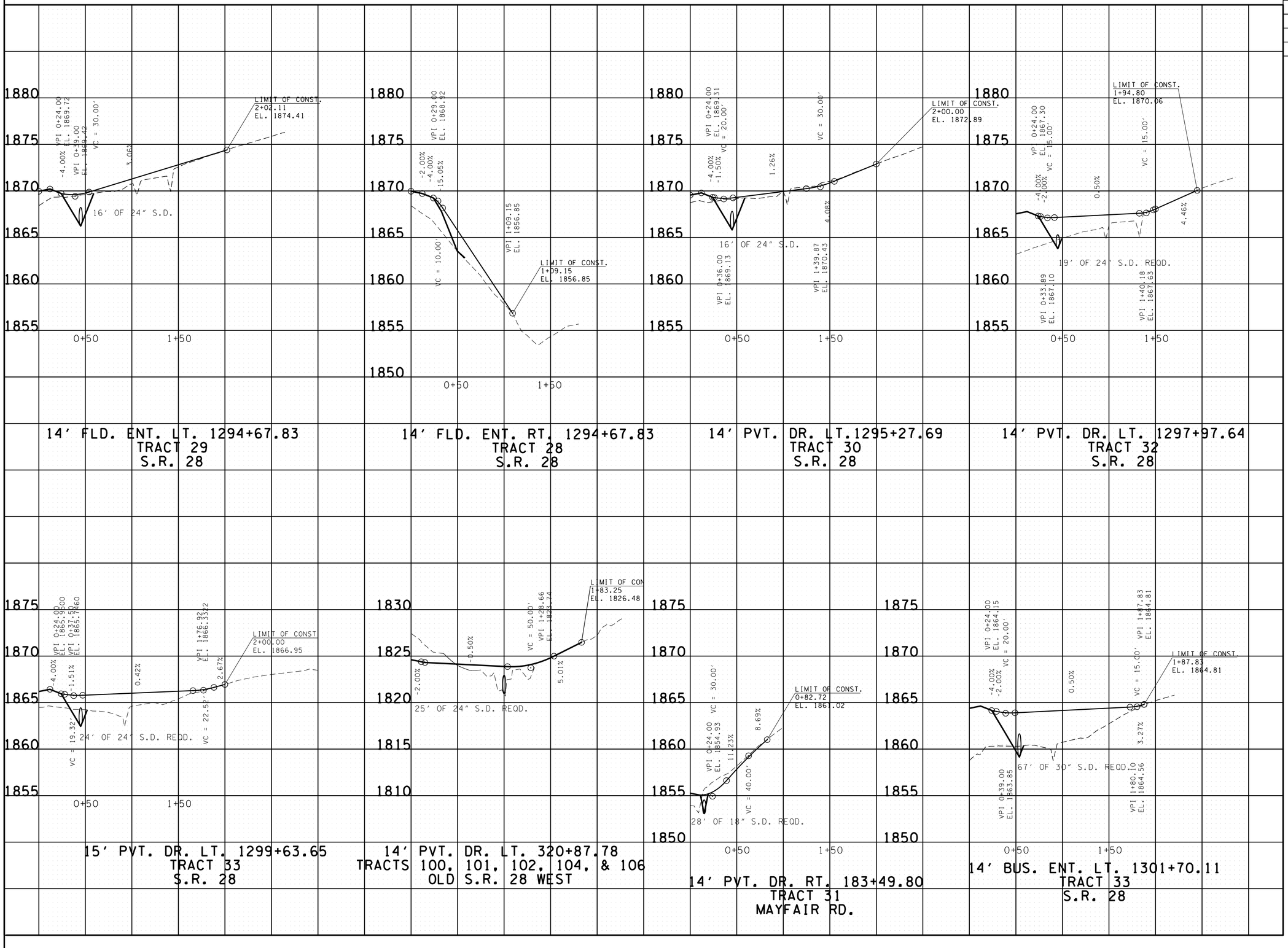

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	25
PIH	2026	STP/NH/HPP-28(32)	25
PS&E	2026	STP/NH/HPP-28(32)	25

REV. 01-11-22: ADDED PROFILE FOR 14' PVT. DR. LT 320+87.78 OLD S.R. 28 WEST.

REV. 02-14-24: REVISED TRACT 101 DRIVEWAY PROFILE.

SEALED BY



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

3/30/2026
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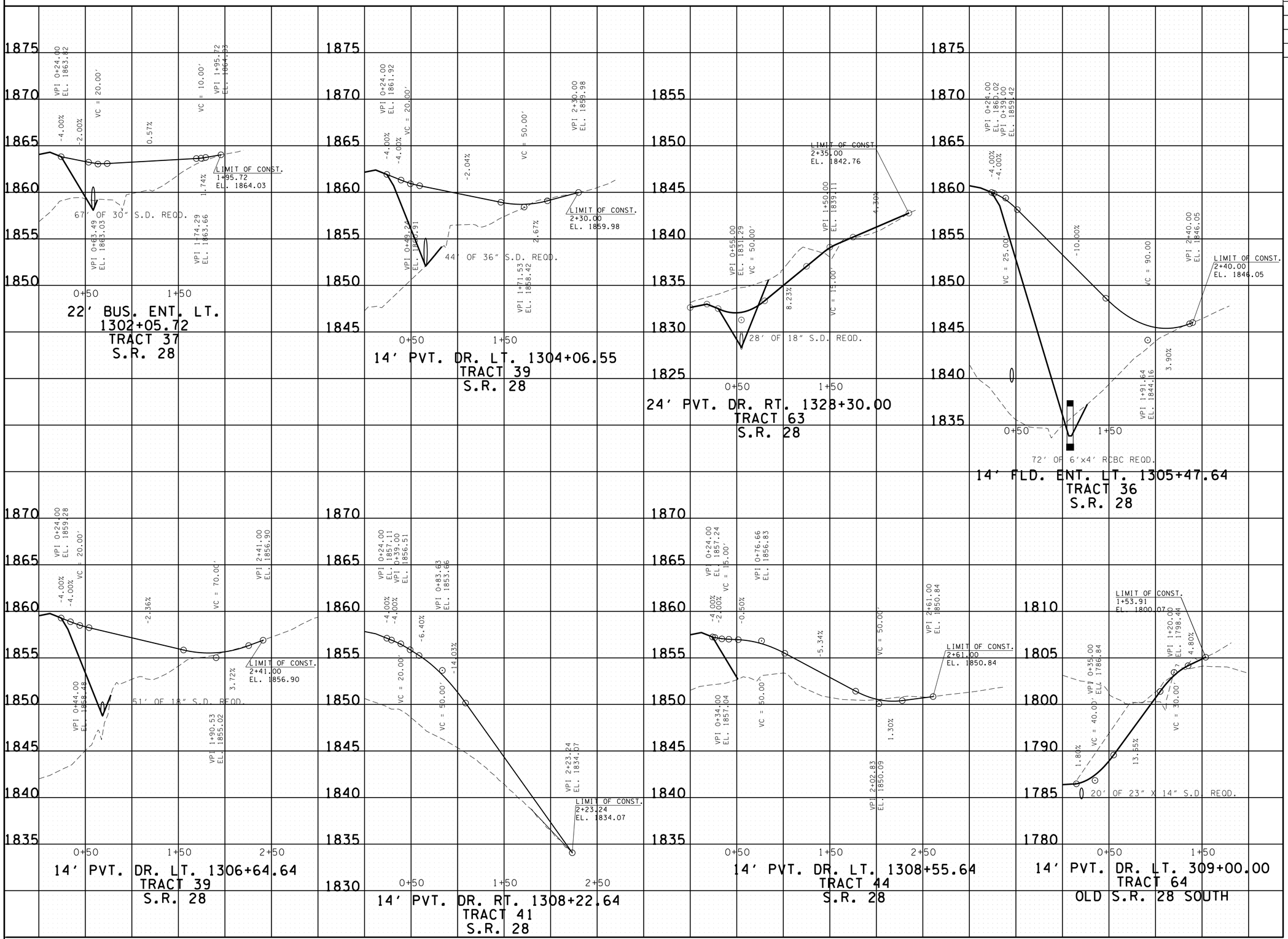
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	26
PIH	2026	STP/NH/HPP-28(32)	26
PS&E	2026	STP/NH/HPP-28(32)	26

REV. 02-14-24: ADDED TRACT 64 DRIVEWAY PROFILE.
REV. 04-01-24: ADDED TRACT 63 DRIVEWAY PROFILE.



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RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

3/30/2026
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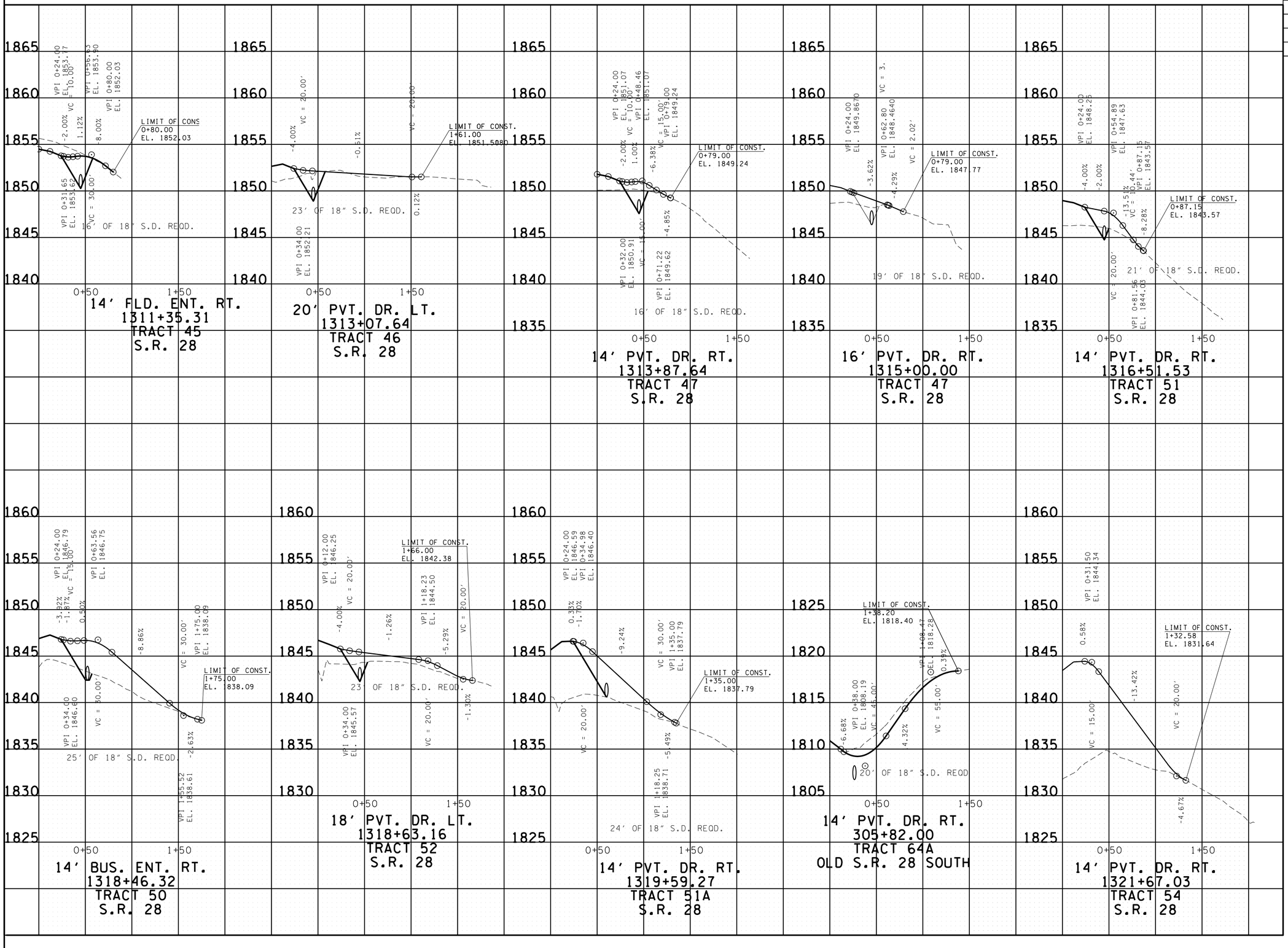

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	27
PIH	2026	STP/NH/HPP-28(32)	27
PS&E	2026	STP/NH/HPP-28(32)	27

REV. 02-14-24: ADDED TRACT 64A DRIVEWAY PROFILE. CHANGED TRACT 48 PVT. DR. LABEL TO TRACT 47.

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

3/30/2026
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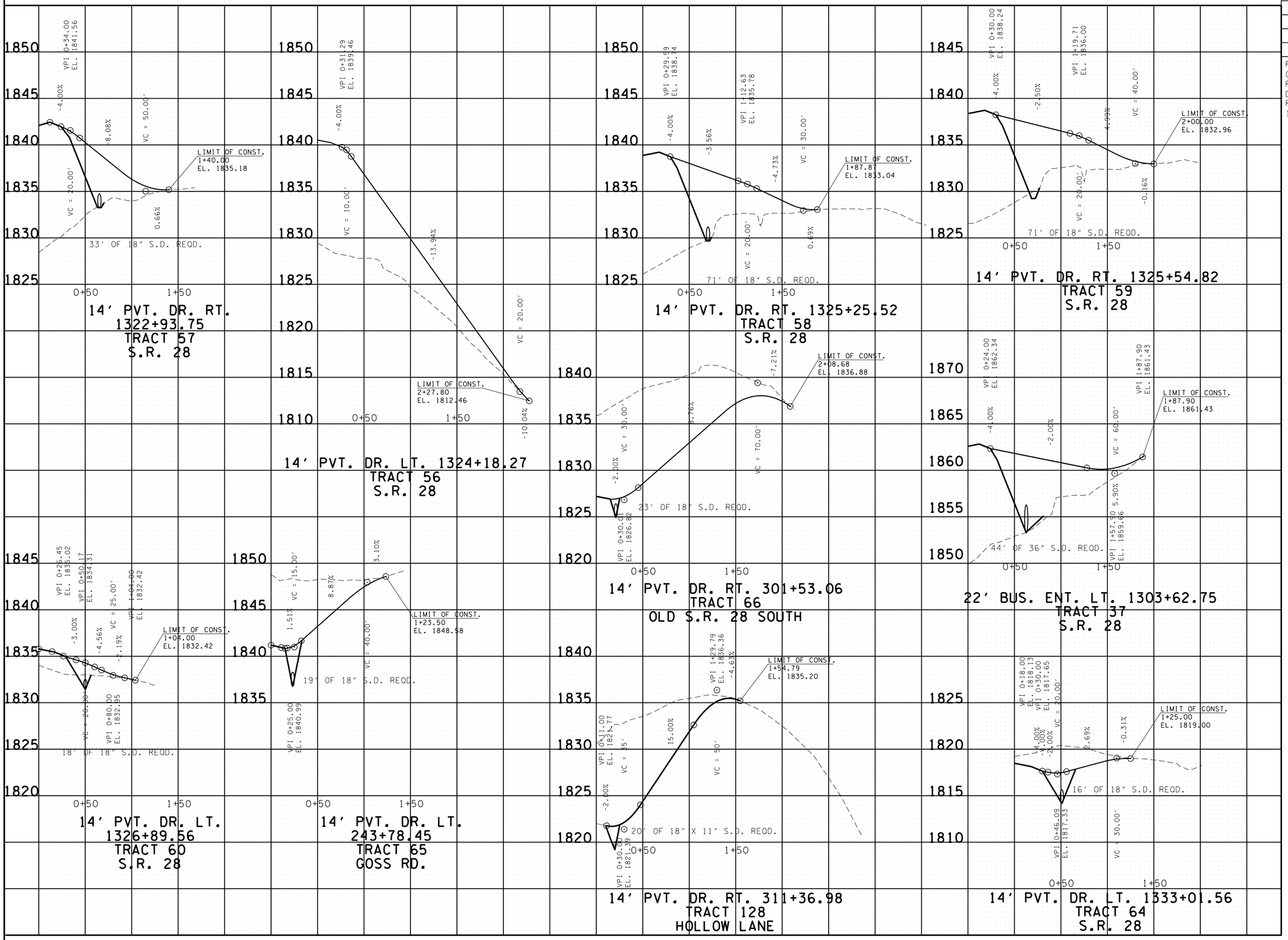

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	28
PIH	2026	STP/NH/HPP-28(32)	28
PS&E	2026	STP/NH/HPP-28(32)	28

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.
REV. 07-16-24: ADDED TRACT 37 DRIVEWAY PROFILE.
REV. 04-01-25: ADDED TRACT 128 DRIVEWAY.

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RICHARD R. HOLT
REGISTERED ENGINEER
CERTIFICATE NO. 109251
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

3/30/2026
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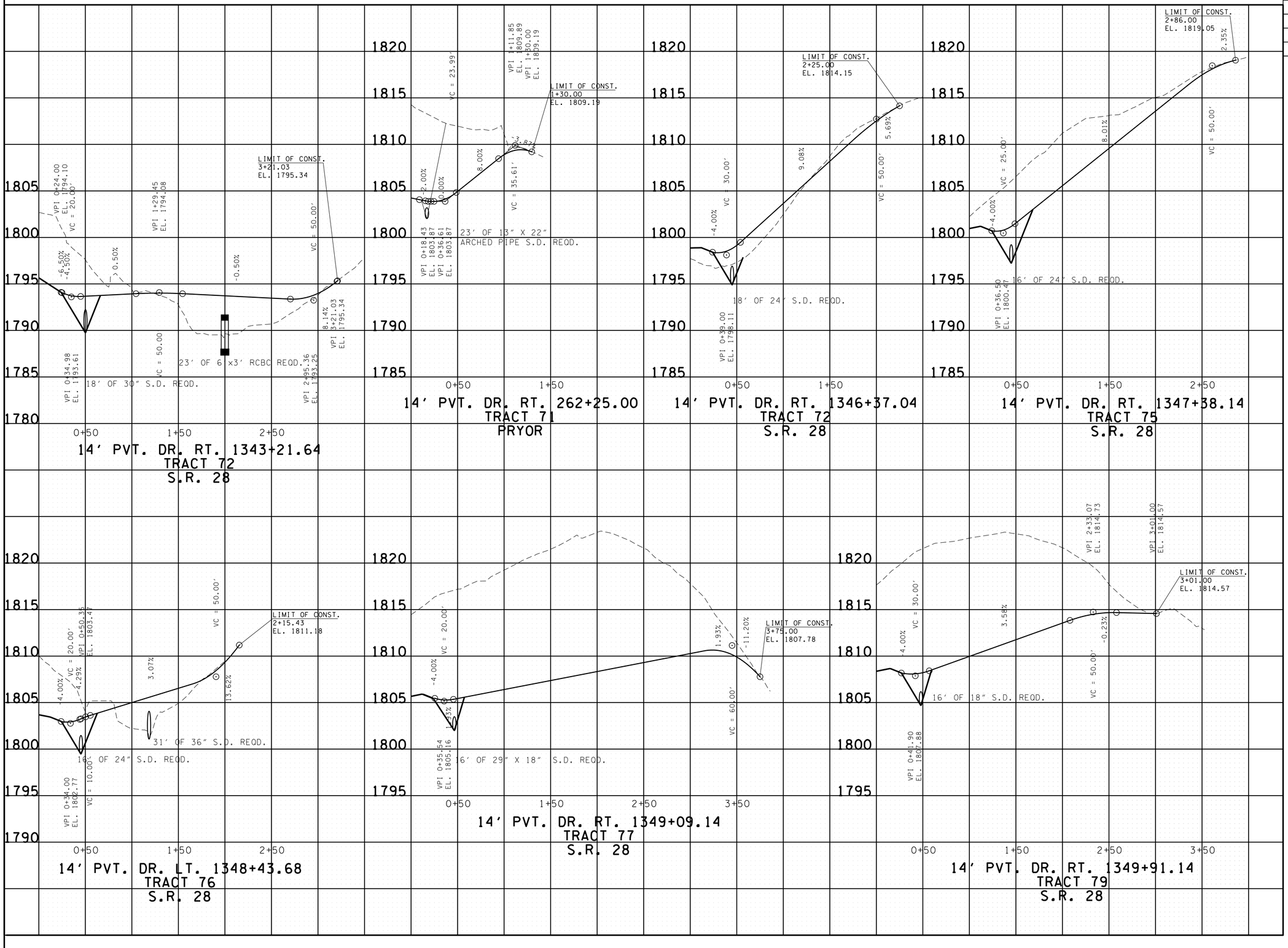
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	29
PIH	2026	STP/NH/HPP-28(32)	29
PS&E	2026	STP/NH/HPP-28(32)	29



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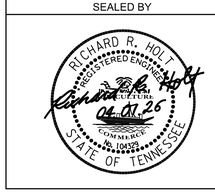

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

3/30/2026
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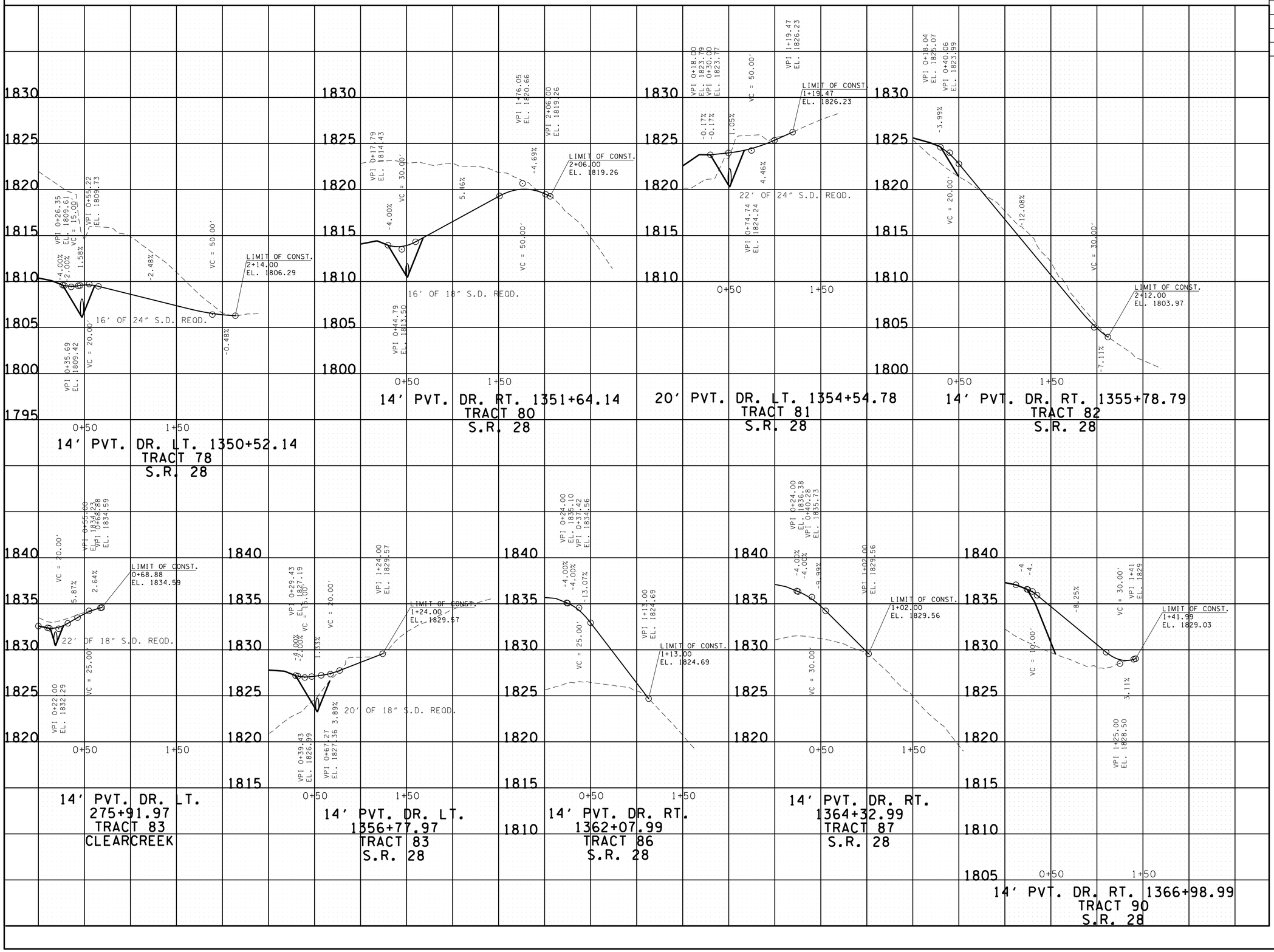
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	30
PIH	2026	STP/NH/HPP-28(32)	30
PS&E	2026	STP/NH/HPP-28(32)	30



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RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

3/30/2026
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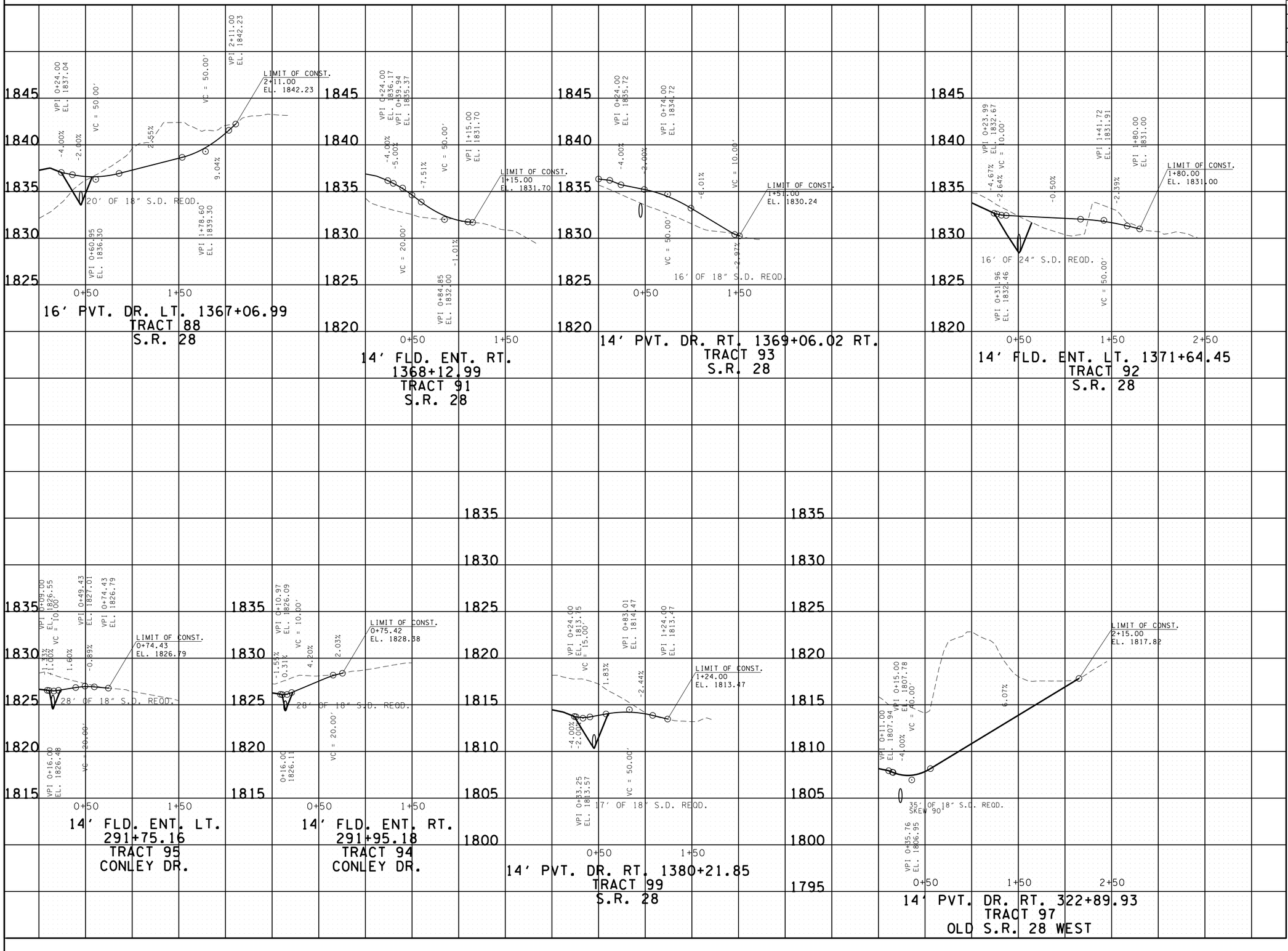
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	31
PIH	2026	STP/NH/HPP-28(32)	31
PS&E	2026	STP/NH/HPP-28(32)	31

REV. 03-16-26: REVISED TRACT 97 DRIVEWAY PROFILE.



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REGISTERED ENGINEER
STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

3/30/2026
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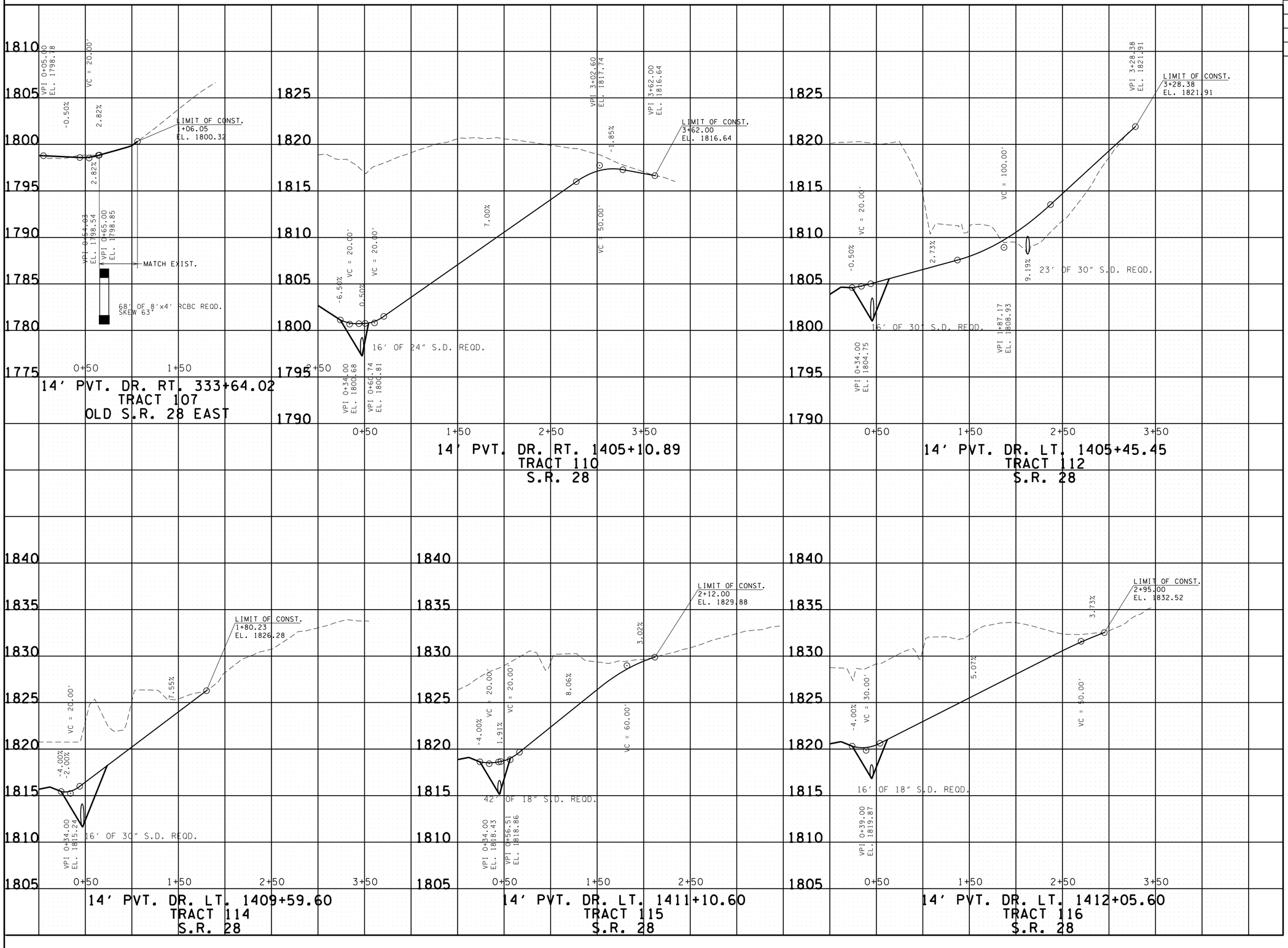
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	32
PIH	2026	STP/NH/HPP-28(32)	32
PS&E	2026	STP/NH/HPP-28(32)	32

REV. 04-01-25: REVISED TRACT 115 DRIVEWAY PROPOSED SIDE DRAIN.



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RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

3/30/2026
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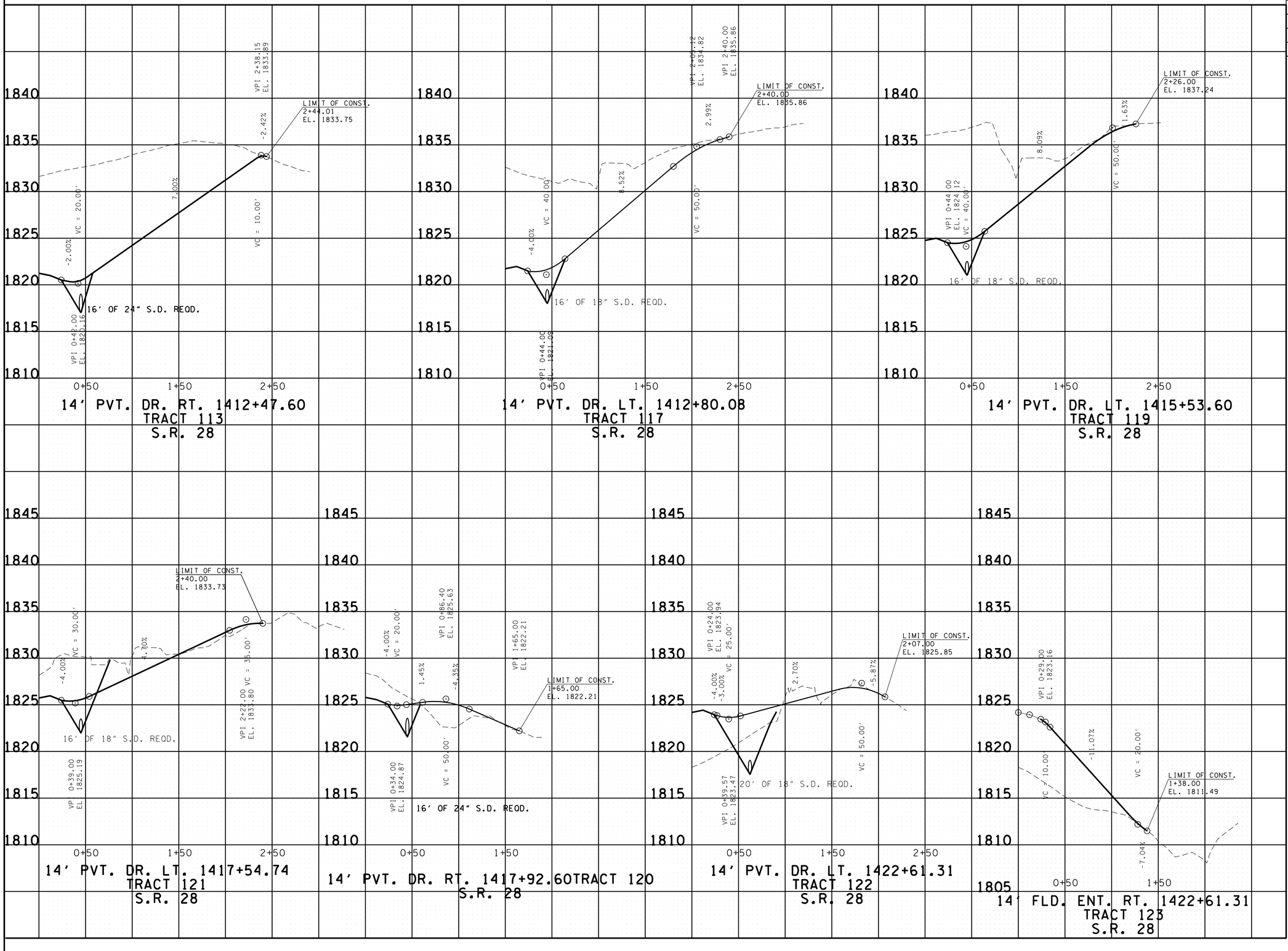

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	33
PIH	2026	STP/NH/HPP-28(32)	33
PS&E	2026	STP/NH/HPP-28(32)	33

REV. 02-14-24: REVISED TRACT 119 & 121 DRIVEWAY PROFILES.
CHANGED TRACT 118 PVT. DR. LABEL
REV. 07-03-25: REVISED TRACT 113 DRIVEWAY PROFILE.

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

3/30/2026
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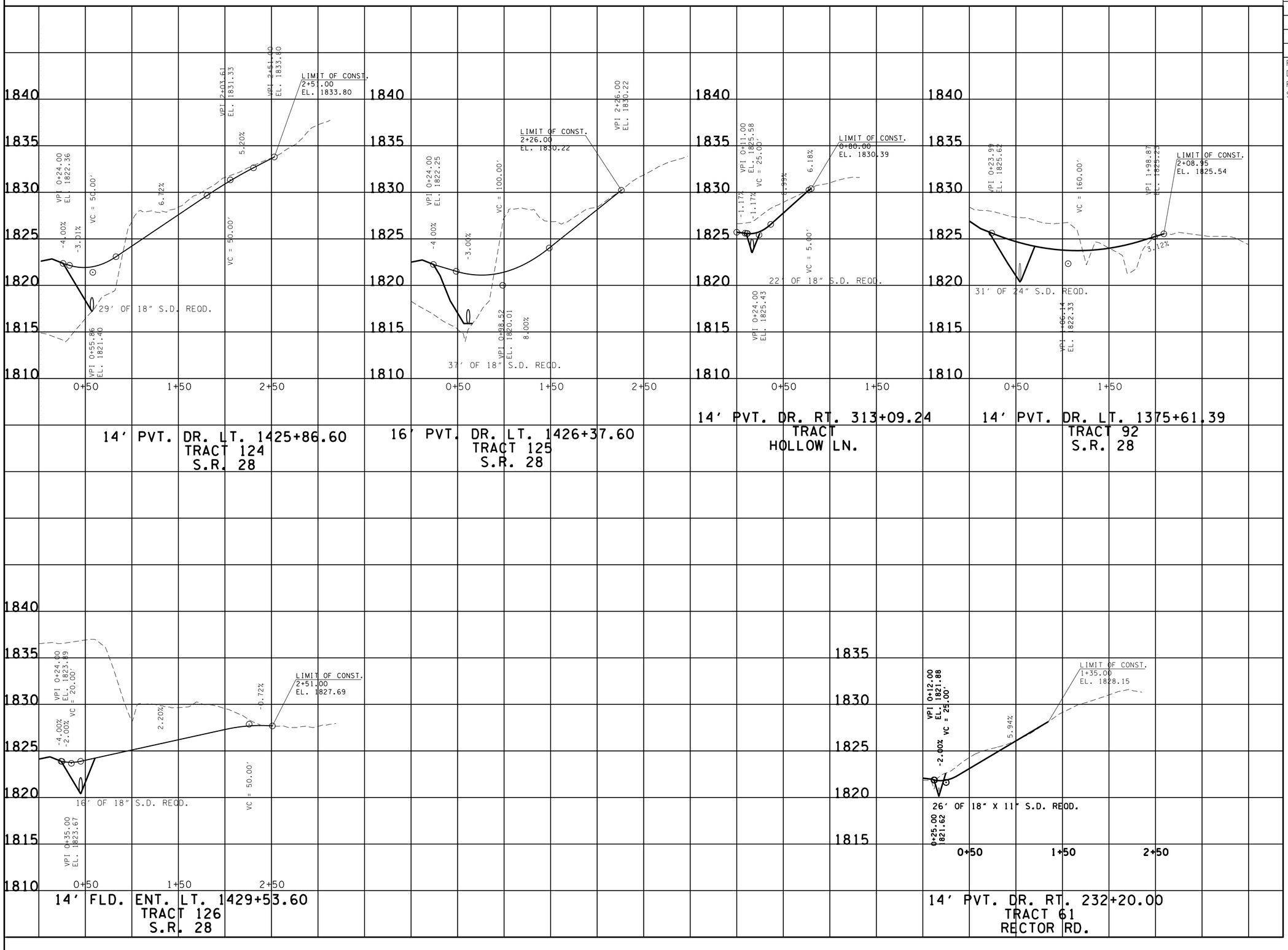

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	34
PIH	2026	STP/NH/HPP-28(32)	34
PS&E	2026	STP/NH/HPP-28(32)	34

REV. 02-14-24: ADDED TRACT 61 DRIVEWAY PROFILE.
REV. 05-06-26: ADDED DRIVEWAY AT STA. 1375+61.39.

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
05.30.26
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

5/20/2026
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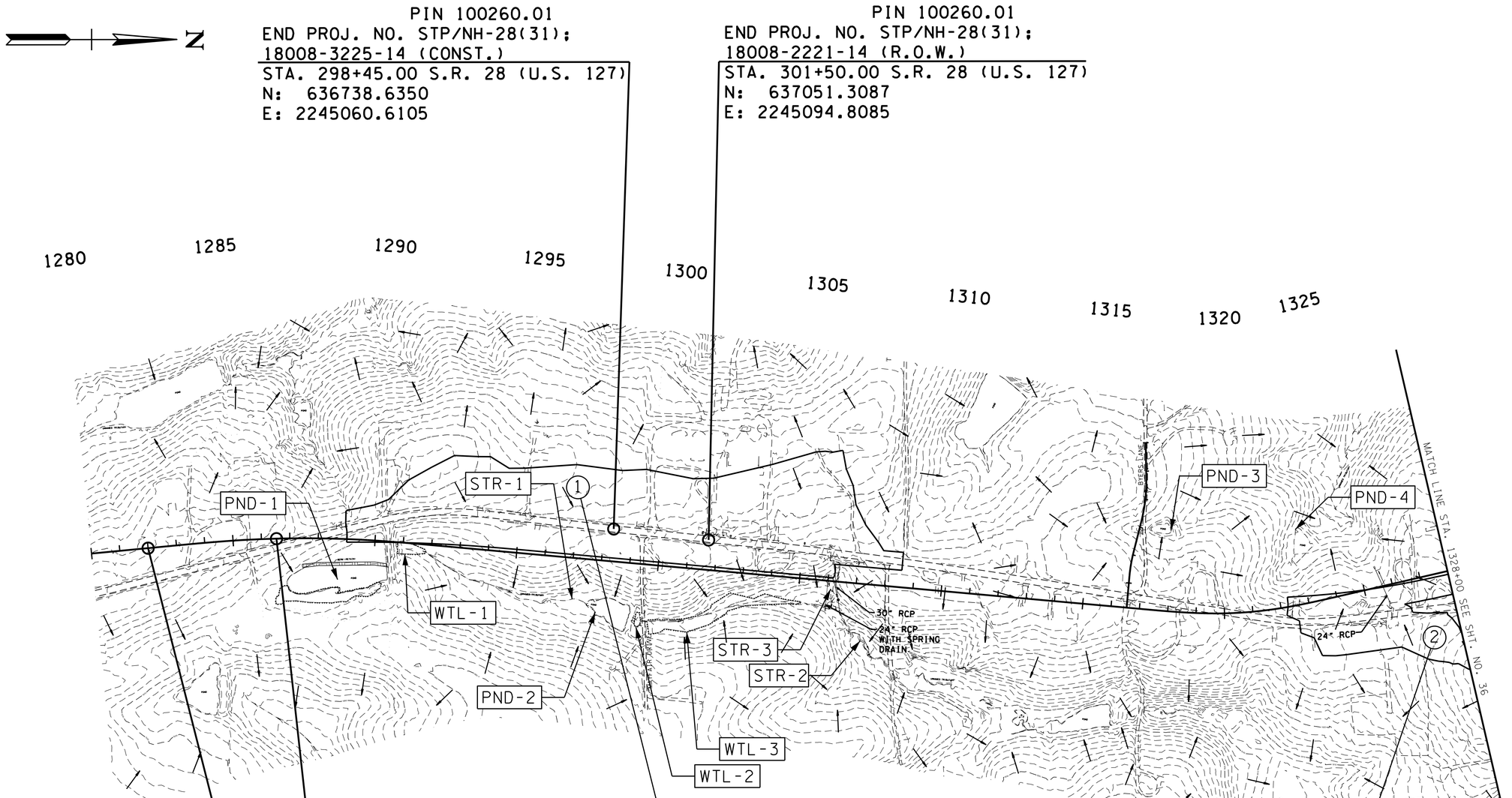
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	35
PIH	2026	STP/NH/HPP-28(32)	35
PS&E	2026	STP/NH/HPP-28(32)	35



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REGISTERED ENGINEER
STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

DRAINAGE MAPS

STA. 1282+00 TO STA.1328+00

SCALE: 1"=200'

3/30/2026
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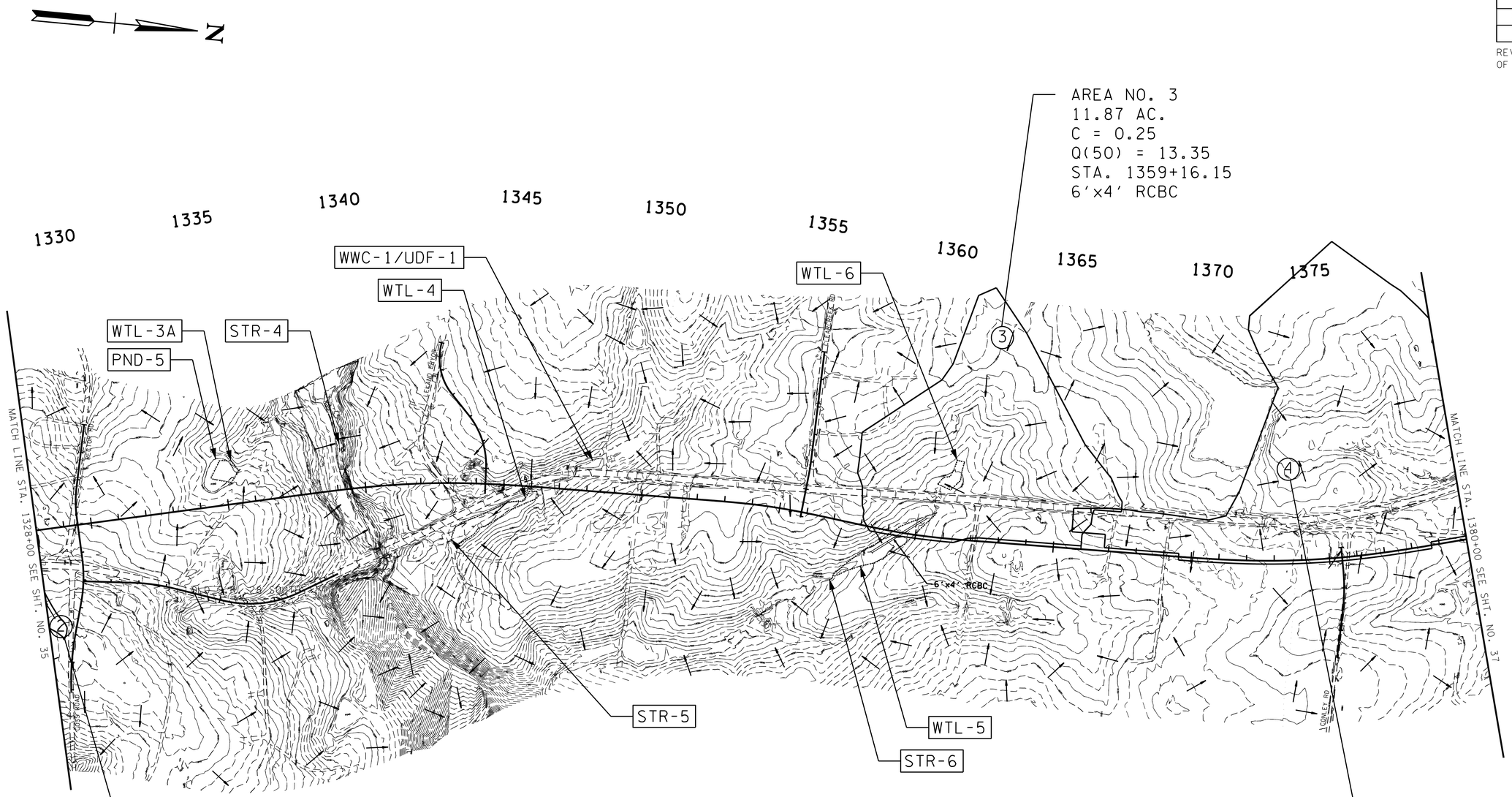
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	36
PIH	2026	STP/NH/HPP-28(32)	36
PS&E	2026	STP/NH/HPP-28(32)	36

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.



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RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
No. 104329
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAPS

STA. 1328+00 TO STA.1380+00

SCALE: 1"=200'

3/30/2026
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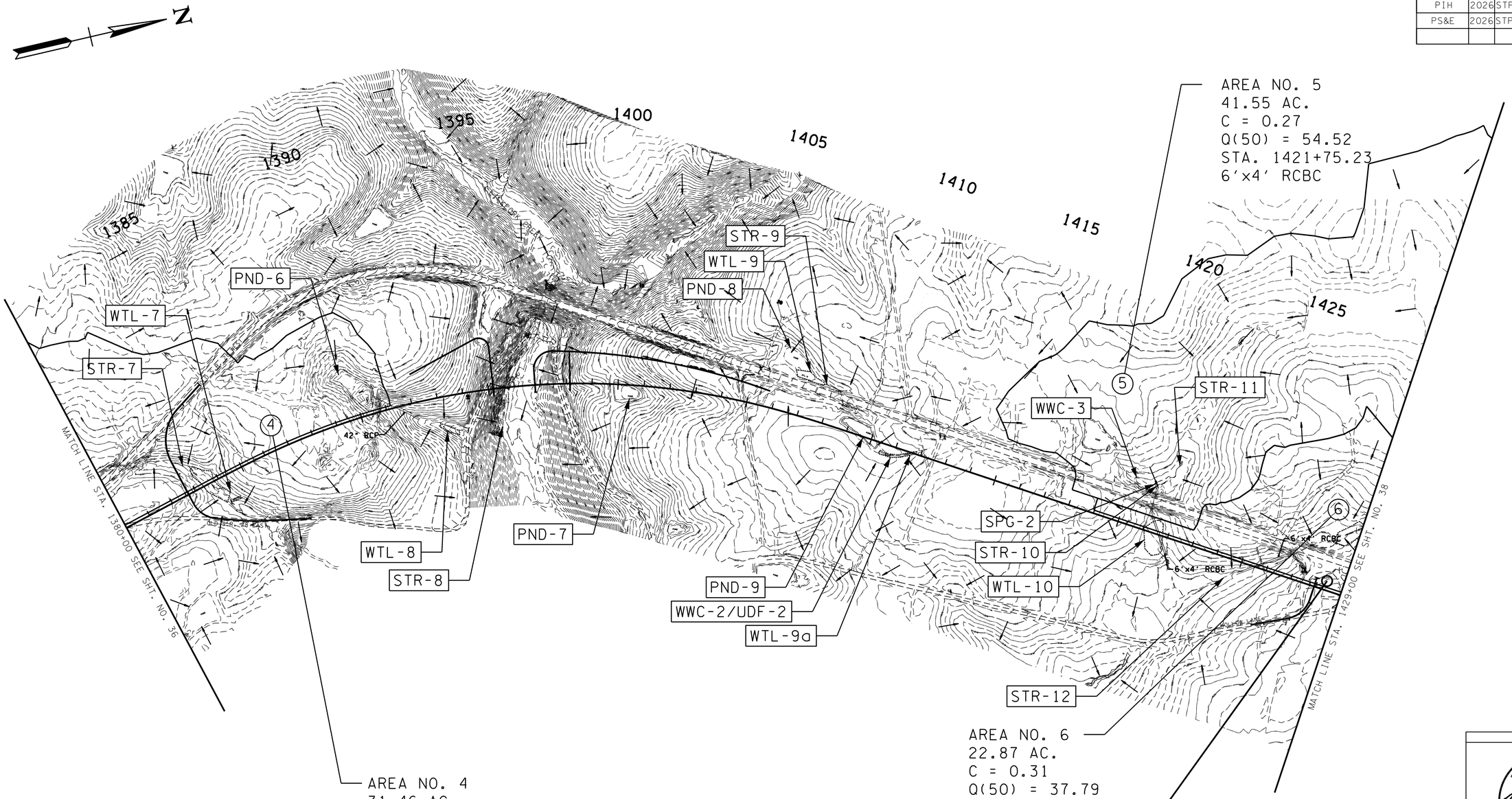
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	37
PIH	2026	STP/NH/HPP-28(32)	37
PS&E	2026	STP/NH/HPP-28(32)	37



PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-2227-14 (R.O.W.)
STA. 428+42.14
N 649268.3580
E 2246007.5779

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAPS

1380+00 TO 1429+00

SCALE: 1"=200'

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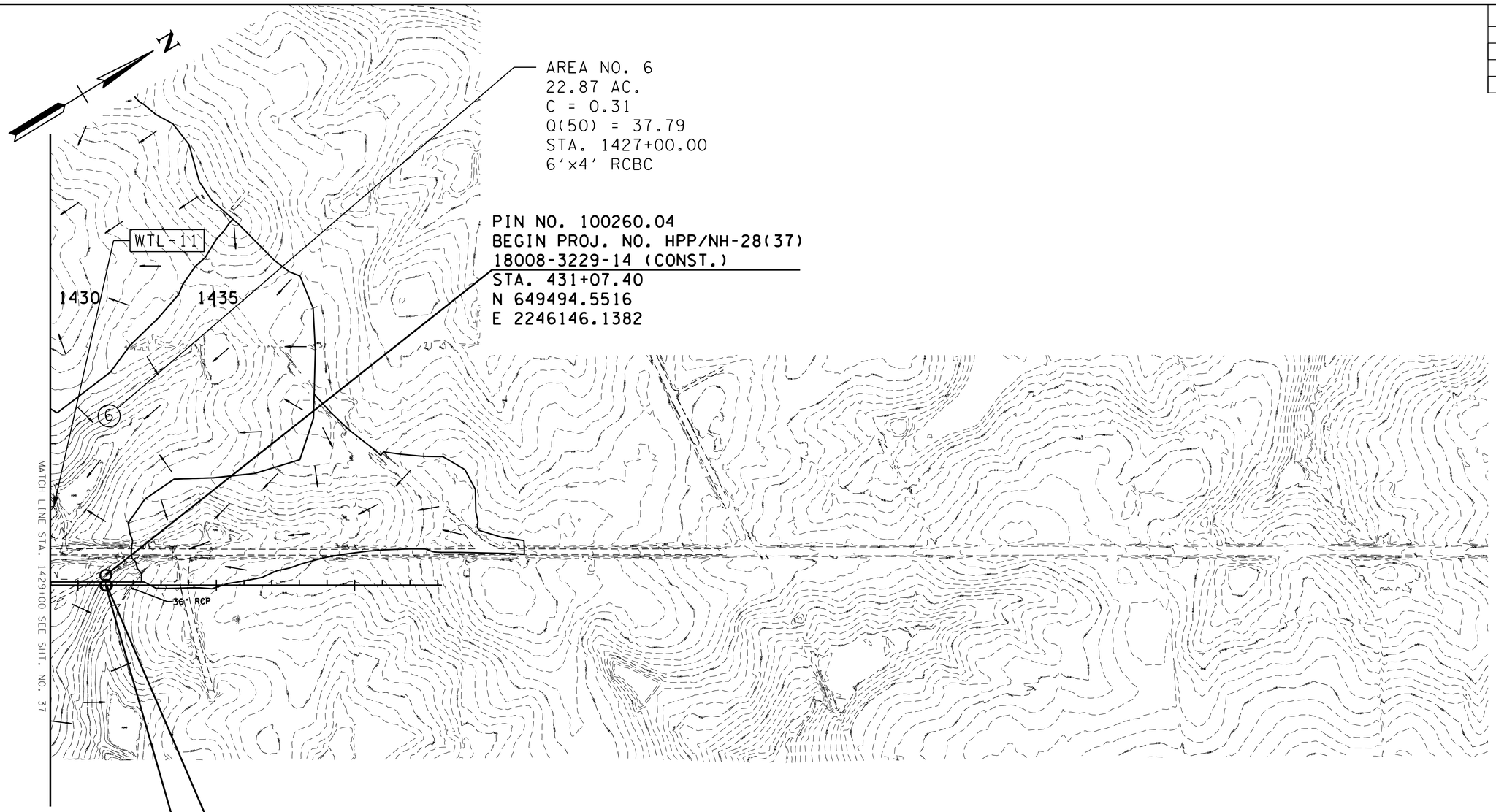
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	38
PIH	2026	STP/NH/HPP-28(32)	38
PS&E	2026	STP/NH/HPP-28(32)	38



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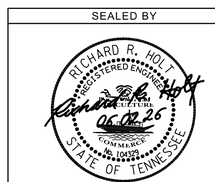

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

DRAINAGE MAPS

1429+00 TO 1443+15

SCALE: 1"=200'

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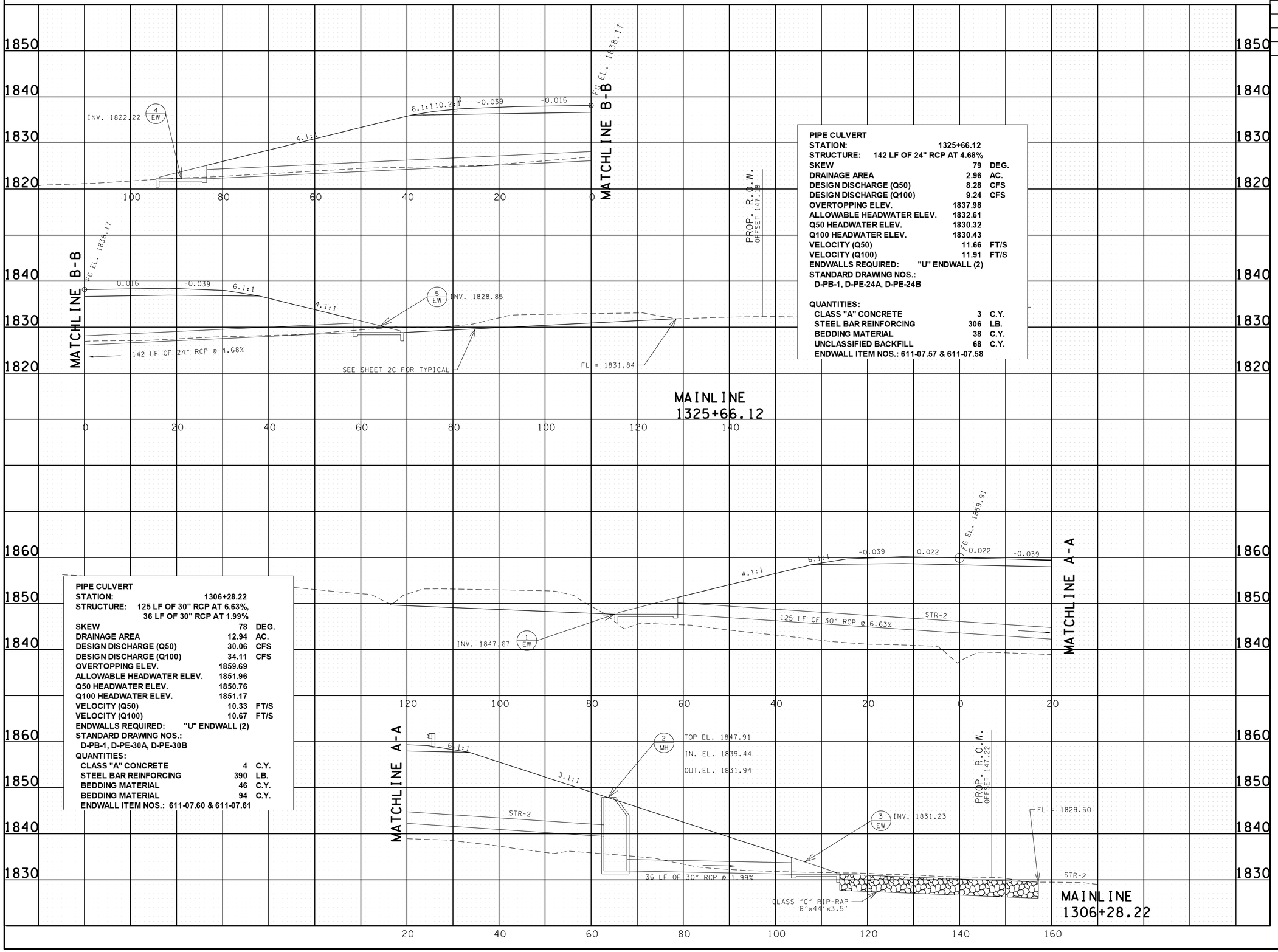
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	39
PIH	2026	STP/NH/HPP-28(32)	39
PS&E	2026	STP/NH/HPP-28(32)	39



PIPE CULVERT

STATION:	1325+66.12	
STRUCTURE:	142 LF OF 24" RCP AT 4.68%	
SKEW	79	DEG.
DRAINAGE AREA	2.96	AC.
DESIGN DISCHARGE (Q50)	8.28	CFS
DESIGN DISCHARGE (Q100)	9.24	CFS
OVERTOPPING ELEV.	1837.98	
ALLOWABLE HEADWATER ELEV.	1832.61	
Q50 HEADWATER ELEV.	1830.32	
Q100 HEADWATER ELEV.	1830.43	
VELOCITY (Q50)	11.66	FT/S
VELOCITY (Q100)	11.91	FT/S
ENDWALLS REQUIRED:	"U" ENDWALL (2)	
STANDARD DRAWING NOS.:	D-PB-1, D-PE-24A, D-PE-24B	

QUANTITIES:

CLASS "A" CONCRETE	3	C.Y.
STEEL BAR REINFORCING	306	LB.
BEDDING MATERIAL	38	C.Y.
UNCLASSIFIED BACKFILL	68	C.Y.
ENDWALL ITEM NOS.:	611-07.57 & 611-07.58	

PIPE CULVERT

STATION:	1306+28.22	
STRUCTURE:	125 LF OF 30" RCP AT 6.63%, 36 LF OF 30" RCP AT 1.99%	
SKEW	78	DEG.
DRAINAGE AREA	12.94	AC.
DESIGN DISCHARGE (Q50)	30.06	CFS
DESIGN DISCHARGE (Q100)	34.11	CFS
OVERTOPPING ELEV.	1859.69	
ALLOWABLE HEADWATER ELEV.	1851.96	
Q50 HEADWATER ELEV.	1850.76	
Q100 HEADWATER ELEV.	1851.17	
VELOCITY (Q50)	10.33	FT/S
VELOCITY (Q100)	10.67	FT/S
ENDWALLS REQUIRED:	"U" ENDWALL (2)	
STANDARD DRAWING NOS.:	D-PB-1, D-PE-30A, D-PE-30B	

QUANTITIES:

CLASS "A" CONCRETE	4	C.Y.
STEEL BAR REINFORCING	390	LB.
BEDDING MATERIAL	46	C.Y.
BEDDING MATERIAL	94	C.Y.
ENDWALL ITEM NOS.:	611-07.60 & 611-07.61	

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RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
STATE OF TENNESSEE

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

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

CELL MGRID
3/30/2026
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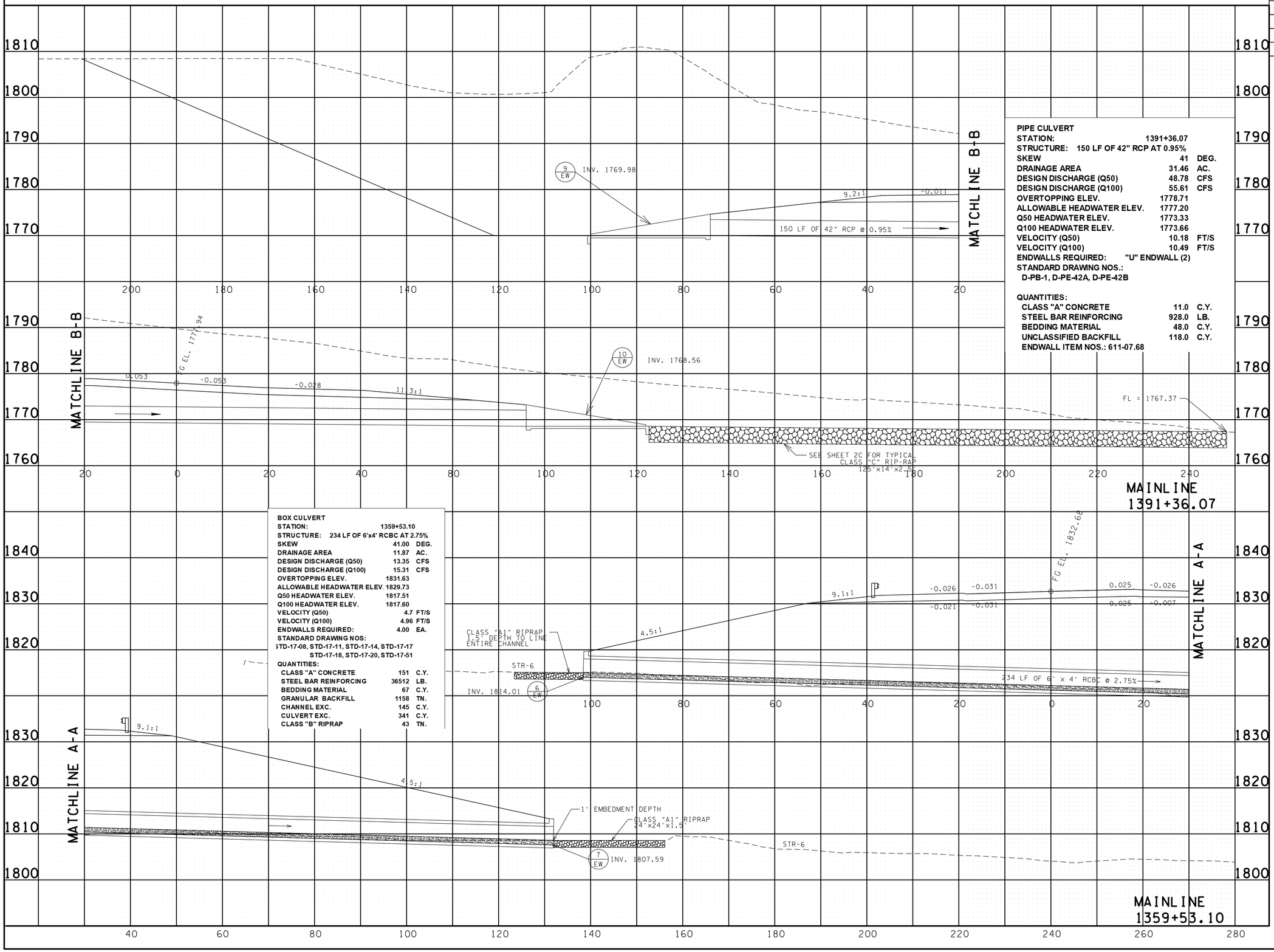
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	40
PIH	2026	STP/NH/HPP-28(32)	40
PS&E	2026	STP/NH/HPP-28(32)	40



PIPE CULVERT

STATION:	1391+36.07	
STRUCTURE:	150 LF OF 42" RCP AT 0.95%	
SKEW	41	DEG.
DRAINAGE AREA	31.46	AC.
DESIGN DISCHARGE (Q50)	48.78	CFS
DESIGN DISCHARGE (Q100)	55.61	CFS
OVERTOPPING ELEV.	1778.71	
ALLOWABLE HEADWATER ELEV.	1777.20	
Q50 HEADWATER ELEV.	1773.33	
Q100 HEADWATER ELEV.	1773.66	
VELOCITY (Q50)	10.18	FT/S
VELOCITY (Q100)	10.49	FT/S
ENDWALLS REQUIRED:	"U" ENDWALL (2)	
STANDARD DRAWING NOS.:	D-PB-1, D-PE-42A, D-PE-42B	

QUANTITIES:

CLASS "A" CONCRETE	11.0	C.Y.
STEEL BAR REINFORCING	928.0	LB.
BEDDING MATERIAL	48.0	C.Y.
UNCLASSIFIED BACKFILL	118.0	C.Y.
ENDWALL ITEM NOS.: 611-07.68		

BOX CULVERT

STATION:	1359+53.10	
STRUCTURE:	234 LF OF 6'x4' RCBC AT 2.75%	
SKEW	41.00	DEG.
DRAINAGE AREA	11.87	AC.
DESIGN DISCHARGE (Q50)	13.35	CFS
DESIGN DISCHARGE (Q100)	15.31	CFS
OVERTOPPING ELEV.	1831.63	
ALLOWABLE HEADWATER ELEV.	1829.73	
Q50 HEADWATER ELEV.	1817.51	
Q100 HEADWATER ELEV.	1817.60	
VELOCITY (Q50)	4.7	FT/S
VELOCITY (Q100)	4.96	FT/S
ENDWALLS REQUIRED:	4.00	EA.
STANDARD DRAWING NOS:	STD-17-08, STD-17-11, STD-17-14, STD-17-17 STD-17-18, STD-17-20, STD-17-51	

QUANTITIES:

CLASS "A" CONCRETE	151	C.Y.
STEEL BAR REINFORCING	36512	LB.
BEDDING MATERIAL	67	C.Y.
GRANULAR BACKFILL	1158	TN.
CHANNEL EXC.	145	C.Y.
CULVERT EXC.	341	C.Y.
CLASS "B" RIPRAP	43	TN.

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CULTURE
COMMERCE
No. 104329
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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

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

CELL MGRID

3/30/2026

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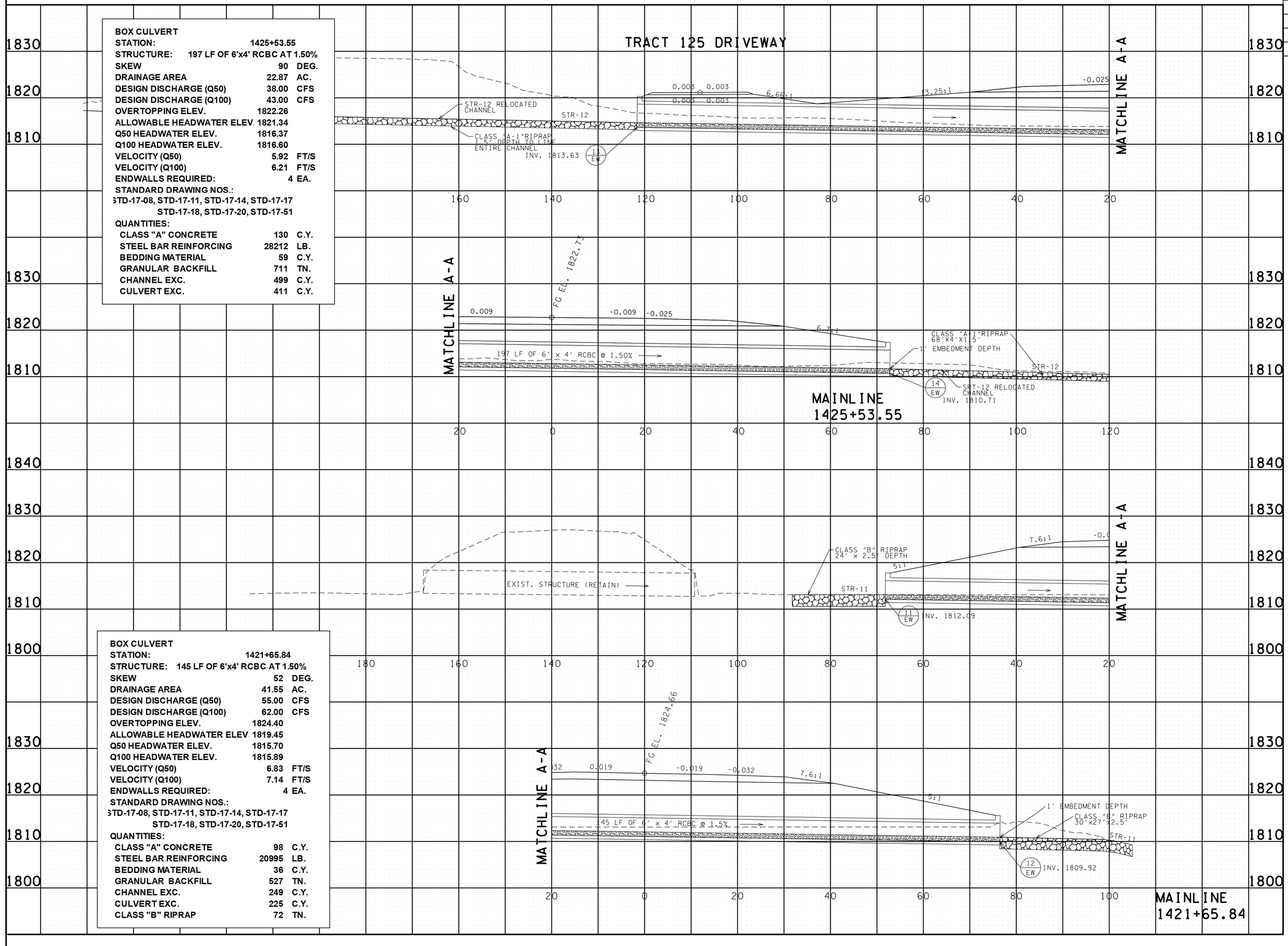
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	41
PIH	2026	STP/NH/HPP-28(32)	41
PS&E	2026	STP/NH/HPP-28(32)	41



BOX CULVERT

STATION:	1425+53.55	
STRUCTURE:	197 LF OF 6'x4' RCBC AT 1.50%	
SKEW	90	DEG.
DRAINAGE AREA	22.87	AC.
DESIGN DISCHARGE (Q50)	38.00	CFS
DESIGN DISCHARGE (Q100)	43.00	CFS
OVERTOPPING ELEV.	1822.26	
ALLOWABLE HEADWATER ELEV.	1821.34	
Q50 HEADWATER ELEV.	1816.37	
Q100 HEADWATER ELEV.	1816.60	
VELOCITY (Q50)	5.92	FT/S
VELOCITY (Q100)	6.21	FT/S
ENDWALLS REQUIRED:	4	EA.

STANDARD DRAWING NOS.:
STD-17-08, STD-17-11, STD-17-14, STD-17-17
STD-17-18, STD-17-20, STD-17-51

QUANTITIES:

CLASS "A" CONCRETE	130	C.Y.
STEEL BAR REINFORCING	28212	LB.
BEDDING MATERIAL	59	C.Y.
GRANULAR BACKFILL	711	TN.
CHANNEL EXC.	499	C.Y.
CULVERT EXC.	411	C.Y.

BOX CULVERT

STATION:	1421+65.84	
STRUCTURE:	145 LF OF 6'x4' RCBC AT 1.50%	
SKEW	52	DEG.
DRAINAGE AREA	41.55	AC.
DESIGN DISCHARGE (Q50)	55.00	CFS
DESIGN DISCHARGE (Q100)	62.00	CFS
OVERTOPPING ELEV.	1824.40	
ALLOWABLE HEADWATER ELEV.	1819.45	
Q50 HEADWATER ELEV.	1815.70	
Q100 HEADWATER ELEV.	1815.89	
VELOCITY (Q50)	6.83	FT/S
VELOCITY (Q100)	7.14	FT/S
ENDWALLS REQUIRED:	4	EA.

STANDARD DRAWING NOS.:
STD-17-08, STD-17-11, STD-17-14, STD-17-17
STD-17-18, STD-17-20, STD-17-51

QUANTITIES:

CLASS "A" CONCRETE	98	C.Y.
STEEL BAR REINFORCING	20995	LB.
BEDDING MATERIAL	36	C.Y.
GRANULAR BACKFILL	527	TN.
CHANNEL EXC.	249	C.Y.
CULVERT EXC.	225	C.Y.
CLASS "B" RIPRAP	72	TN.

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

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

CELL MGRID
3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	43
PIH	2026	STP/NH/HPP-28(32)	42
PS&E	2026	STP/NH/HPP-28(32)	42

PIPE CULVERT

STATION:	213+00	
STRUCTURE:	31 LF OF 24" RCP AT 5.00%	
SKEW	90	DEG.
DRAINAGE AREA	4.57	AC.
DESIGN DISCHARGE (Q50)	10.40	CFS
DESIGN DISCHARGE (Q100)	11.75	CFS
OVERTOPPING ELEV.	1843.19	
ALLOWABLE HEADWATER ELEV.	1842.75	
Q50 HEADWATER ELEV.	1840.61	
Q100 HEADWATER ELEV.	1840.75	
VELOCITY (Q50)	10.81	FT/S
VELOCITY (Q100)	11.06	FT/S
ENDWALLS REQUIRED:	"B" ENDWALL (2)	

STANDARD DRAWING NOS.:
D-PB-1, D-PEW-1, D-PEW-2, D-PEW-3

QUANTITIES:

CLASS "A" CONCRETE	C.Y.
STEEL BAR REINFORCING	LB.
BEDDING MATERIAL	C.Y.

ENDWALL ITEM NOS.: 611-07.01 & 611-07.02

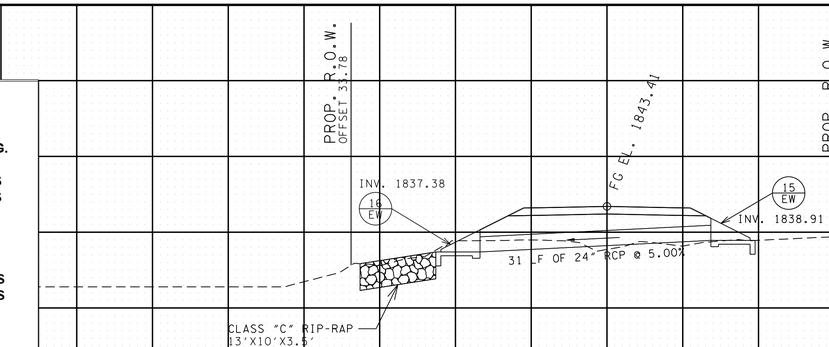
BOX CULVERT

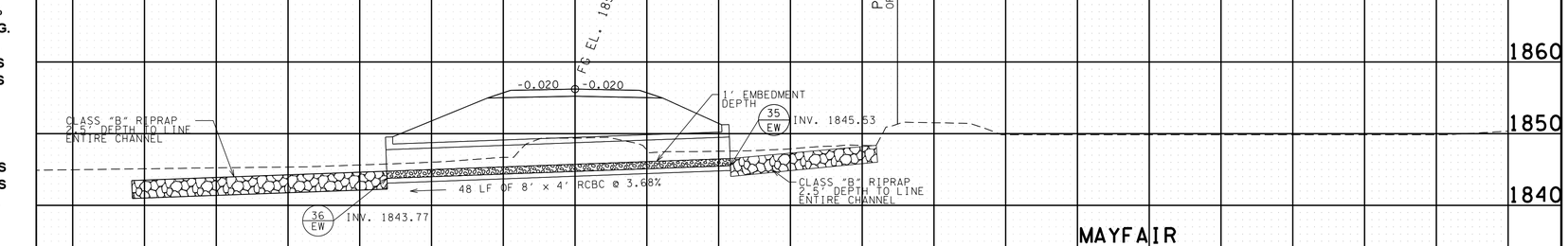
STATION:	182+37	
STRUCTURE:	48 LF OF 8'x4' RCBC AT 3.68%	
SKEW	90	DEG.
DRAINAGE AREA	17.2	AC.
DESIGN DISCHARGE (Q50)	39.15	CFS
DESIGN DISCHARGE (Q100)	43.71	CFS
OVERTOPPING ELEV.	1856.04	
ALLOWABLE HEADWATER ELEV	1852.00	
Q50 HEADWATER ELEV.	1850.22	
Q100 HEADWATER ELEV.	1850.33	
VELOCITY (Q50)	7.59	FT/S
VELOCITY (Q100)	7.84	FT/S
ENDWALLS REQUIRED:	4	EA.

STANDARD DRAWING NOS.:
STD-17-08, STD-17-11, STD-17-14, STD-17-17
STD-17-18, STD-17-20, STD-17-52

QUANTITIES:

CLASS "A" CONCRETE	43	C.Y.
STEEL BAR REINFORCING	9986	LB.
BEDDING MATERIAL	5	C.Y.
GRANULAR BACKFILL	72	TN.
CHANNEL EXC.	28	C.Y.
CULVERT EXC.	31	C.Y.





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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

SIDEROADS

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

5/20/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	44
PIH	2026	STP/NH/HPP-28(32)	43
PS&E	2026	STP/NH/HPP-28(32)	43

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.

PIPE CULVERT
STATION: 278+23
STRUCTURE: 34 LF OF 18" RCP AT 0.75%

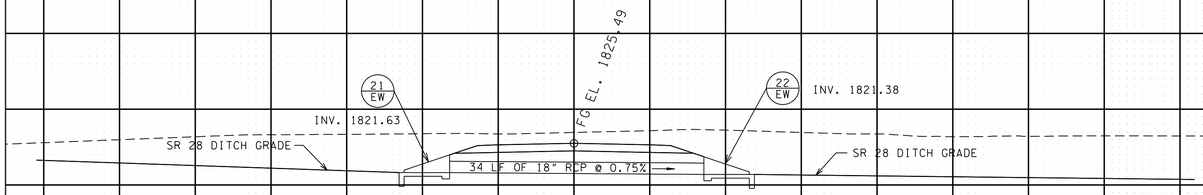
SKEW	90	DEG.
DRAINAGE AREA	1.91	AC.
DESIGN DISCHARGE (Q50)	4.27	CFS
DESIGN DISCHARGE (Q100)	4.80	CFS
OVERTOPPING ELEV.	1825.19	
ALLOWABLE HEADWATER ELEV.	1824.17	
Q50 HEADWATER ELEV.	1822.80	
Q100 HEADWATER ELEV.	1822.89	
VELOCITY (Q50)	5.06	FT/S
VELOCITY (Q100)	5.21	FT/S

ENDWALLS REQUIRED: "U" ENDWALL (2)
STANDARD DRAWING NOS.:
D-PB-1, D-PE-18A, D-PE-18B, D-PE-99

QUANTITIES:

CLASS "A" CONCRETE	2	C.Y.
STEEL BAR REINFORCING	158	LB.
BEDDING MATERIAL	7	C.Y.
UNCLASSIFIED EXCAVATION	12	C.Y.

ENDWALL ITEM NOS.: 611-07.54



CLEARCREEK
278+23.00

PIPE CULVERT
STATION: 264+85
STRUCTURE: 30 LF OF 42" RCP AT 1.00%

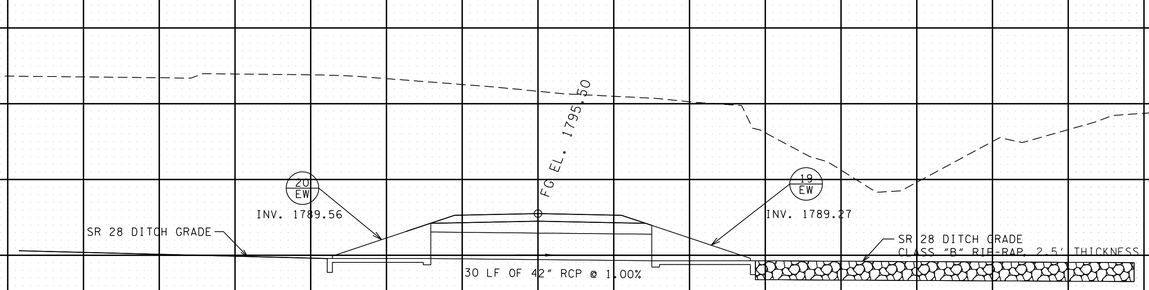
SKEW	90	DEG.
DRAINAGE AREA	46.22	AC.
DESIGN DISCHARGE (Q50)	53.04	CFS
DESIGN DISCHARGE (Q100)	60.40	CFS
OVERTOPPING ELEV.	1795.28	
ALLOWABLE HEADWATER ELEV.	1794.22	
Q50 HEADWATER ELEV.	1793.11	
Q100 HEADWATER ELEV.	1793.48	
VELOCITY (Q50)	9.48	FT/S
VELOCITY (Q100)	9.86	FT/S

ENDWALLS REQUIRED: "U" ENDWALL (2)
STANDARD DRAWING NOS.:
D-PB-1, D-PE-42A, D-PE-42B, D-PE-99

QUANTITIES:

CLASS "A" CONCRETE	6	C.Y.
STEEL BAR REINFORCING	522	LB.
BEDDING MATERIAL	10	C.Y.
UNCLASSIFIED EXCAVATION	24	C.Y.

ENDWALL ITEM NOS.: 611-07.66



LELAND PRYOR
264+85.00

PIPE CULVERT
STATION: 241+17
STRUCTURE: 39 LF OF 18" RCP AT 0.75%

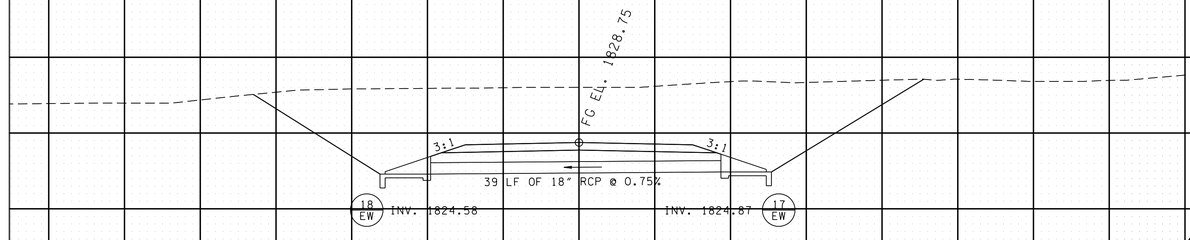
SKEW	90	DEG.
DRAINAGE AREA	1.72	AC.
DESIGN DISCHARGE (Q50)	4.32	CFS
DESIGN DISCHARGE (Q100)	4.85	CFS
OVERTOPPING ELEV.	1828.53	
ALLOWABLE HEADWATER ELEV.	1827.46	
Q50 HEADWATER ELEV.	1826.12	
Q100 HEADWATER ELEV.	1826.22	
VELOCITY (Q50)	2.76	FT/S
VELOCITY (Q100)	2.97	FT/S

ENDWALLS REQUIRED: "U" ENDWALL (2)
STANDARD DRAWING NOS.:
D-PB-1, D-PE-18A, D-PE-18B, D-PE-99

QUANTITIES:

CLASS "A" CONCRETE	5	C.Y.
STEEL BAR REINFORCING	158	LB.
BEDDING MATERIAL	8	C.Y.
UNCLASSIFIED EXCAVATION	13	C.Y.

ENDWALL ITEM NOS.: 611-07.54



GOSS
241+17.00

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

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RICHARD R. HOLT REGISTERED ENGINEER 115824 LICENSE COMMERCE STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

SIDEROADS

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

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	45
PIH	2026	STP/NH/HPP-28(32)	44
PS&E	2026	STP/NH/HPP-28(32)	44

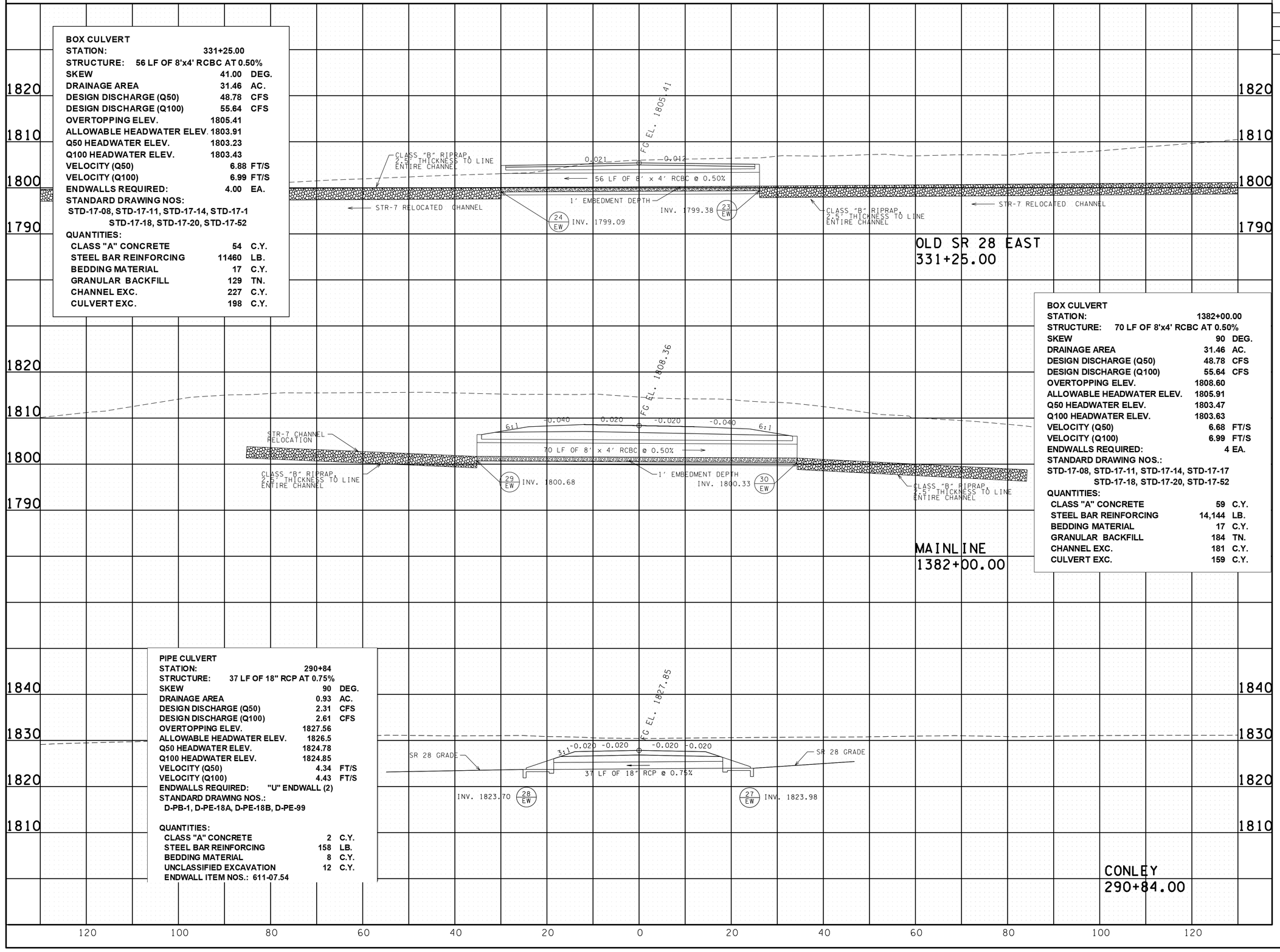
BOX CULVERT

STATION:	331+25.00	
STRUCTURE:	56 LF OF 8'x4' RCBC AT 0.50%	
SKEW	41.00	DEG.
DRAINAGE AREA	31.46	AC.
DESIGN DISCHARGE (Q50)	48.78	CFS
DESIGN DISCHARGE (Q100)	55.64	CFS
OVERTOPPING ELEV.	1805.41	
ALLOWABLE HEADWATER ELEV.	1803.91	
Q50 HEADWATER ELEV.	1803.23	
Q100 HEADWATER ELEV.	1803.43	
VELOCITY (Q50)	6.88	FT/S
VELOCITY (Q100)	6.99	FT/S
ENDWALLS REQUIRED:	4.00	EA.

STANDARD DRAWING NOS:
STD-17-08, STD-17-11, STD-17-14, STD-17-1
STD-17-18, STD-17-20, STD-17-52

QUANTITIES:

CLASS "A" CONCRETE	54	C.Y.
STEEL BAR REINFORCING	11460	LB.
BEDDING MATERIAL	17	C.Y.
GRANULAR BACKFILL	129	TN.
CHANNEL EXC.	227	C.Y.
CULVERT EXC.	198	C.Y.



BOX CULVERT

STATION:	1382+00.00	
STRUCTURE:	70 LF OF 8'x4' RCBC AT 0.50%	
SKEW	90	DEG.
DRAINAGE AREA	31.46	AC.
DESIGN DISCHARGE (Q50)	48.78	CFS
DESIGN DISCHARGE (Q100)	55.64	CFS
OVERTOPPING ELEV.	1808.60	
ALLOWABLE HEADWATER ELEV.	1805.91	
Q50 HEADWATER ELEV.	1803.47	
Q100 HEADWATER ELEV.	1803.63	
VELOCITY (Q50)	6.68	FT/S
VELOCITY (Q100)	6.99	FT/S
ENDWALLS REQUIRED:	4	EA.

STANDARD DRAWING NOS.:
STD-17-08, STD-17-11, STD-17-14, STD-17-17
STD-17-18, STD-17-20, STD-17-52

QUANTITIES:

CLASS "A" CONCRETE	59	C.Y.
STEEL BAR REINFORCING	14,144	LB.
BEDDING MATERIAL	17	C.Y.
GRANULAR BACKFILL	184	TN.
CHANNEL EXC.	181	C.Y.
CULVERT EXC.	159	C.Y.

PIPE CULVERT

STATION:	290+84	
STRUCTURE:	37 LF OF 18" RCP AT 0.75%	
SKEW	90	DEG.
DRAINAGE AREA	0.93	AC.
DESIGN DISCHARGE (Q50)	2.31	CFS
DESIGN DISCHARGE (Q100)	2.61	CFS
OVERTOPPING ELEV.	1827.56	
ALLOWABLE HEADWATER ELEV.	1826.5	
Q50 HEADWATER ELEV.	1824.78	
Q100 HEADWATER ELEV.	1824.85	
VELOCITY (Q50)	4.34	FT/S
VELOCITY (Q100)	4.43	FT/S
ENDWALLS REQUIRED:	"U" ENDWALL (2)	

STANDARD DRAWING NOS.:
D-PB-1, D-PE-18A, D-PE-18B, D-PE-99

QUANTITIES:

CLASS "A" CONCRETE	2	C.Y.
STEEL BAR REINFORCING	158	LB.
BEDDING MATERIAL	8	C.Y.
UNCLASSIFIED EXCAVATION	12	C.Y.
ENDWALL ITEM NOS.:	611-07.54	

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

SIDEROADS

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

3/30/2026
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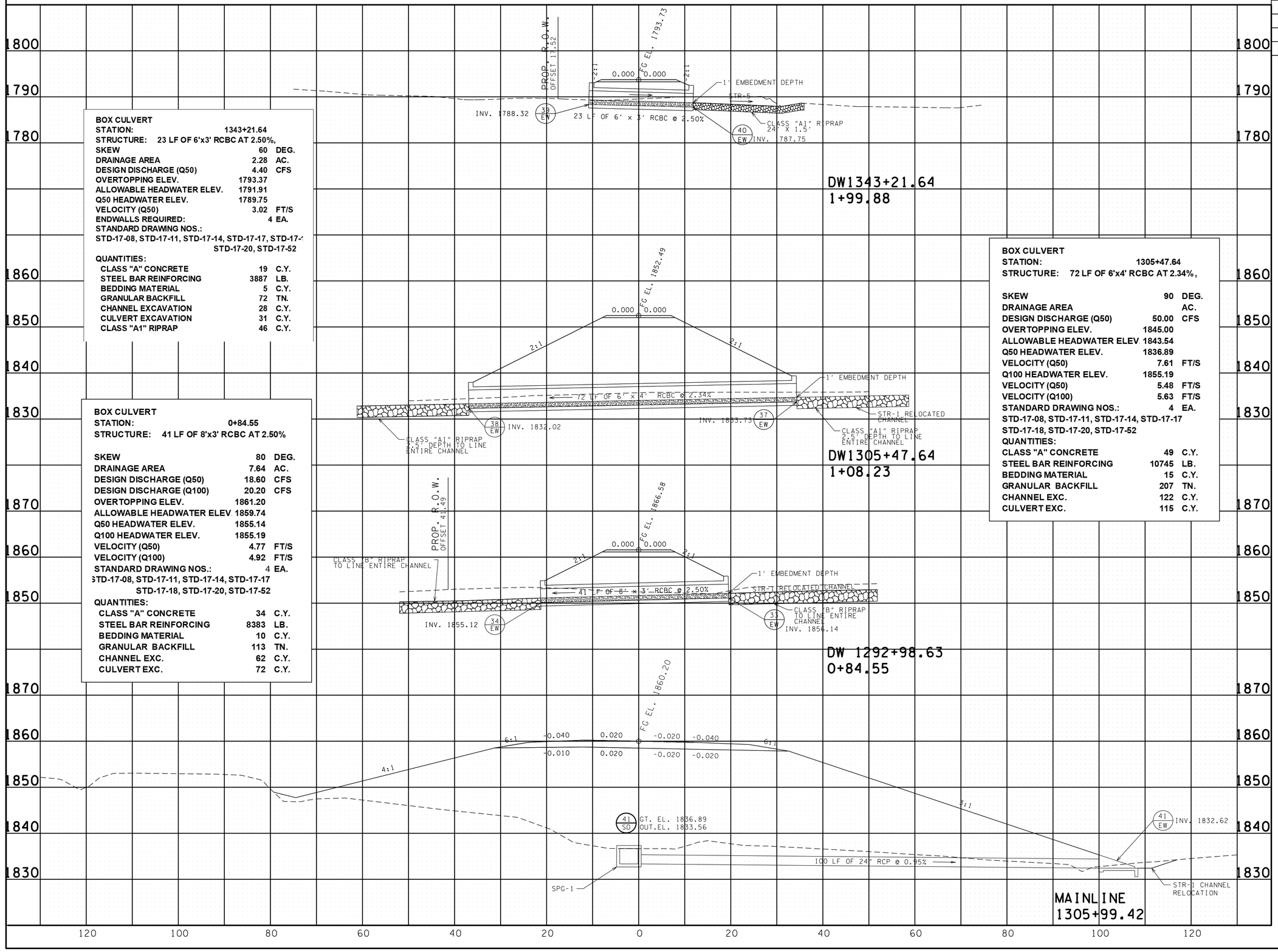
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	42
PIH	2026	STP/NH/HPP-28(32)	45
PS&E	2026	STP/NH/HPP-28(32)	45



BOX CULVERT
STATION: 1343+21.64
STRUCTURE: 23 LF OF 6'x3' RCBC AT 2.50%,

SKEW	60	DEG.
DRAINAGE AREA	2.28	AC.
DESIGN DISCHARGE (Q50)	4.40	CFS
OVERTOPPING ELEV.	1793.37	
ALLOWABLE HEADWATER ELEV.	1791.91	
Q50 HEADWATER ELEV.	1789.75	
VELOCITY (Q50)	3.02	FT/S
ENDWALLS REQUIRED:	4	EA.

STANDARD DRAWING NOS.:
STD-17-08, STD-17-11, STD-17-14, STD-17-17, STD-17-
STD-17-20, STD-17-52

QUANTITIES:

CLASS "A" CONCRETE	19	C.Y.
STEEL BAR REINFORCING	3887	LB.
BEDDING MATERIAL	5	C.Y.
GRANULAR BACKFILL	72	TN.
CHANNEL EXCAVATION	28	C.Y.
CULVERT EXCAVATION	31	C.Y.
CLASS "A1" RIPRAP	46	C.Y.

BOX CULVERT
STATION: 1305+47.64
STRUCTURE: 72 LF OF 6'x4' RCBC AT 2.34%,

SKEW	90	DEG.
DRAINAGE AREA		AC.
DESIGN DISCHARGE (Q50)	50.00	CFS
OVERTOPPING ELEV.	1845.00	
ALLOWABLE HEADWATER ELEV	1843.54	
Q50 HEADWATER ELEV.	1836.89	
VELOCITY (Q50)	7.61	FT/S
Q100 HEADWATER ELEV.	1855.19	
VELOCITY (Q50)	5.48	FT/S
VELOCITY (Q100)	5.63	FT/S
STANDARD DRAWING NOS.:	4	EA.

STD-17-08, STD-17-11, STD-17-14, STD-17-17
STD-17-18, STD-17-20, STD-17-52

QUANTITIES:

CLASS "A" CONCRETE	49	C.Y.
STEEL BAR REINFORCING	10745	LB.
BEDDING MATERIAL	15	C.Y.
GRANULAR BACKFILL	207	TN.
CHANNEL EXC.	122	C.Y.
CULVERT EXC.	115	C.Y.

BOX CULVERT
STATION: 0+84.55
STRUCTURE: 41 LF OF 8'x3' RCBC AT 2.50%

SKEW	80	DEG.
DRAINAGE AREA	7.64	AC.
DESIGN DISCHARGE (Q50)	18.60	CFS
DESIGN DISCHARGE (Q100)	20.20	CFS
OVERTOPPING ELEV.	1861.20	
ALLOWABLE HEADWATER ELEV	1859.74	
Q50 HEADWATER ELEV.	1855.14	
Q100 HEADWATER ELEV.	1855.19	
VELOCITY (Q50)	4.77	FT/S
VELOCITY (Q100)	4.92	FT/S
STANDARD DRAWING NOS.:	4	EA.

STD-17-08, STD-17-11, STD-17-14, STD-17-17
STD-17-18, STD-17-20, STD-17-52

QUANTITIES:

CLASS "A" CONCRETE	34	C.Y.
STEEL BAR REINFORCING	8383	LB.
BEDDING MATERIAL	10	C.Y.
GRANULAR BACKFILL	113	TN.
CHANNEL EXC.	62	C.Y.
CULVERT EXC.	72	C.Y.

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RICHARD R. HOLT REGISTERED ENGINEER 04.01.26 STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

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

CELL MGRID
3/30/2026
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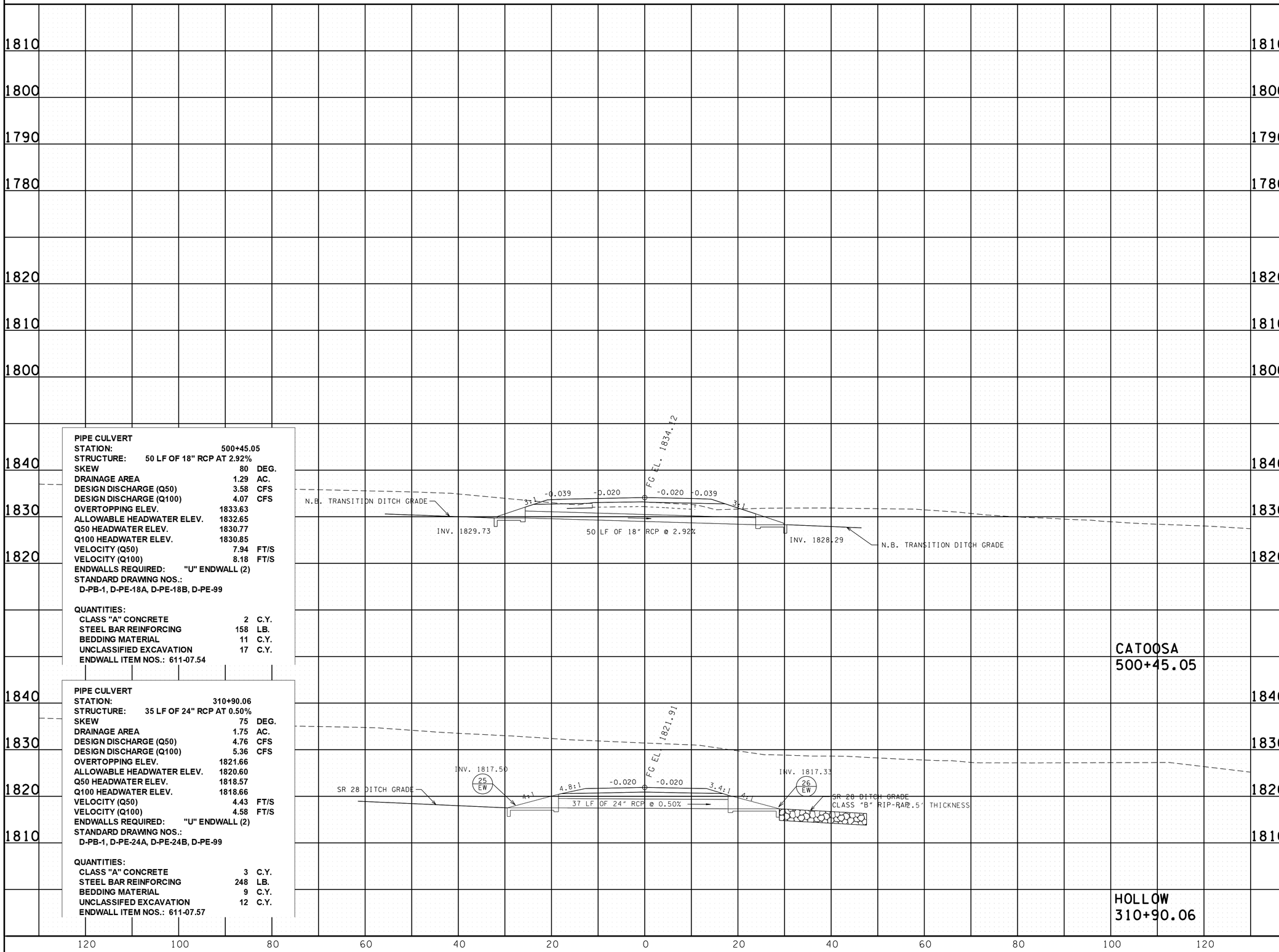
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	46
PIH	2026	STP/NH/HPP-28(32)	46
PS&E	2026	STP/NH/HPP-28(32)	46



PIPE CULVERT

STATION:	500+45.05	
STRUCTURE:	50 LF OF 18" RCP AT 2.92%	
SKEW	80	DEG.
DRAINAGE AREA	1.29	AC.
DESIGN DISCHARGE (Q50)	3.58	CFS
DESIGN DISCHARGE (Q100)	4.07	CFS
OVERTOPPING ELEV.	1833.63	
ALLOWABLE HEADWATER ELEV.	1832.65	
Q50 HEADWATER ELEV.	1830.77	
Q100 HEADWATER ELEV.	1830.85	
VELOCITY (Q50)	7.94	FT/S
VELOCITY (Q100)	8.18	FT/S
ENDWALLS REQUIRED:	"U" ENDWALL (2)	
STANDARD DRAWING NOS.:	D-PB-1, D-PE-18A, D-PE-18B, D-PE-99	

QUANTITIES:

CLASS "A" CONCRETE	2	C.Y.
STEEL BAR REINFORCING	158	LB.
BEDDING MATERIAL	11	C.Y.
UNCLASSIFIED EXCAVATION	17	C.Y.
ENDWALL ITEM NOS.: 611-07.54		

PIPE CULVERT

STATION:	310+90.06	
STRUCTURE:	35 LF OF 24" RCP AT 0.50%	
SKEW	75	DEG.
DRAINAGE AREA	1.75	AC.
DESIGN DISCHARGE (Q50)	4.76	CFS
DESIGN DISCHARGE (Q100)	5.36	CFS
OVERTOPPING ELEV.	1821.66	
ALLOWABLE HEADWATER ELEV.	1820.60	
Q50 HEADWATER ELEV.	1818.57	
Q100 HEADWATER ELEV.	1818.66	
VELOCITY (Q50)	4.43	FT/S
VELOCITY (Q100)	4.58	FT/S
ENDWALLS REQUIRED:	"U" ENDWALL (2)	
STANDARD DRAWING NOS.:	D-PB-1, D-PE-24A, D-PE-24B, D-PE-99	

QUANTITIES:

CLASS "A" CONCRETE	3	C.Y.
STEEL BAR REINFORCING	248	LB.
BEDDING MATERIAL	9	C.Y.
UNCLASSIFED EXCAVATION	12	C.Y.
ENDWALL ITEM NOS.: 611-07.57		

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
CULTURE
COMMERCE
No. 104329
STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

SIDEROADS

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

CELL MGRID
3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	47
PIH	2026	STP/NH/HPP-28(32)	47
PS&E	2026	STP/NH/HPP-28(32)	47

SUBSECTION 3 – EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

(1) IF DISTURBED ACREAGE IS EQUAL TO ONE ACRE OR MORE, PLEASE CONTACT TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION AS SOON AS POSSIBLE BECAUSE AN NPDES PERMIT WILL BE REQUIRED.

(2) AREAS TO BE UNDISTURBED SHALL BE CLEARLY MARKED IN THE FIELD BEFORE CONSTRUCTION ACTIVITIES BEGIN.

(3) UNLESS OTHERWISE NOTED IN THE PLANS, THE CONTRACTOR SHALL NOT CLEAR/DISTURB ANY AREA BEYOND 15 FEET FROM SLOPE LINES.

(4) PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED (I.E. CLEARING AND GRUBBING INITIATED) MORE THAN 14 CALENDAR DAYS PRIOR TO GRADING OR EARTH MOVING ACTIVITIES UNLESS THE AREA IS MULCHED, SEEDED WITH MULCH, OR OTHER TEMPORARY COVER IS APPLIED.

(5) 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.

INSPECTION, MAINTENANCE & REPAIR

(11) REFER TO THE STORM WATER POLLUTION AND PREVENTION PLAN SHEET

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

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

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

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

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

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

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

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

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

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

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

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

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

STREAMS, WETLANDS & BUFFER ZONES

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

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB	SEDIMENT FILTER BAG	EC-STR-2
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
	TEMPORARY BERM	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27
	TEMPORARY DIVERSION CHANNEL	EC-STR-31
	TEMPORARY DIVERSION CULVERT	EC-STR-32
	EROSION CONTROL BLANKET	EC-STR-34
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
	BUFFER ZONE	

STAGE 1 OUTFALL TABULATION

OUTFALL	AREA	SLOPE
1	0.95 AC.	4.5%
2	0.58 AC.	7.7%
3	0.12 AC.	10.1%
4	2.33 AC.	7.4%
5	0.25 AC.	12.2%
6	0.25 AC.	6.1%
7	6.96 AC.	2.2%
8	1.24 AC.	1.6%
9	1.50 AC.	3.9%
10	0.51 AC.	2.4%
11	3.31 AC.	4.6%
12	2.24 AC.	5.9%
13	1.36 AC.	5.6%
14	1.08 AC.	5.8%
15	0.78 AC.	4.7%
16	0.57 AC.	7.8%
17	1.41 AC.	6.3%
18	1.76 AC.	8.8%
19	1.60 AC.	4.6%
20	3.00 AC.	8.4%
21	0.30 AC.	3.9%
22	1.25 AC.	8.1%
23	3.12 AC.	3.7%
24	0.89 AC.	2.8%
25	1.27 AC.	5.2%
26	0.25 AC.	4.1%
27	8.81 AC.	3.4%
28	1.53 AC.	4.1%
29	1.21 AC.	2.2%
30	1.02 AC.	1.9%
31	6.15 AC.	2.3%
32	1.16 ac.	3.4%
33	5.98 ac.	10.2%
34	0.87 AC.	23.4%
35	3.19 AC.	13.1%
36	3.40 AC.	9.9%
37	1.50 AC.	20.1%
38	9.02 AC.	10.4%
39	2.67 AC.	3.2%
40	0.98 AC.	3.2%
41	2.81 AC.	2.3%
42	0.55 AC.	2.4%
43	0.60 AC.	2.6%
44	0.19 AC.	2.9%
45	0.97 AC.	3.0%
46	1.14 AC.	6.5%
47	OMIT	
48	OMIT	
49	OMIT	

STAGE 2 & 3 OUTFALL TABULATION

OUTFALL	AREA	SLOPE
1	1.11 AC.	3.2%
50	3.23 AC.	2.9%
2	1.18 AC.	6.2%
51	0.12 AC.	9.6%
52	2.33 AC.	3.7%
53	0.25 AC.	10.0%
54	0.28 AC.	9.1%
55	3.70 AC.	1.9%
56	0.71 AC.	5.2%
11	3.91 AC.	2.8%
57	1.72 AC.	1.7%
13	1.00 AC.	8.9%
14	0.81 AC.	6.4%
15	0.21 AC.	6.9%
16	0.63 AC.	3.5%
17	0.70 AC.	3.9%
58	4.23 AC.	14.1%
59	1.90 AC.	3.7%
60	2.29 AC.	2.1%
61	8.61 AC.	4.8%
20	4.29 AC.	3.7%
64	0.04 AC.	4.1%
65	0.04 AC.	5.0%
66	6.02 AC.	2.2%
67	1.57 AC.	5.0%
68	1.03 AC.	2.2%
69	5.22 AC.	4.2%
70	5.47 AC.	3.4%
70A	7.10 AC.	15.4%
70B	0.21 AC.	8.9%
71	6.35 AC.	28.4%
72	2.05 AC.	26.7%
73	7.02 AC.	30.6%
39	2.67 AC.	3.2%
40	0.98 AC.	3.2%
41	2.81 AC.	2.3%
74	0.83 AC.	5.4%
75	0.66 AC.	3.3%
76	1.03 AC.	2.5%
77	1.55 AC.	2.7%
78	1.51 AC.	2.3%
79	OMIT	
80	OMIT	

FOOTNOTES

(1) TO BE USED AS DIRECTED BY THE ENGINEER

(2) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE AND REPLACEMENT

(3) ALL SILT FENCE & SILT FENCE WITH BACKING NOT INSTALLED ON CONTOURS SHALL BE INSTALLED WITH J-HOOKS.

TABULATED EPSC QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	STAGE I QUANTITY 18008-3230-14	STAGE II QUANTITY	STAGE III QUANTITY	TOTAL QUANTITY
	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	183	723		906
(1)(2)	209-02.07	18" TEMPORARY SLOPE DRAIN	L.F.	274	326		600
(1)(2)	209-05	SEDIMENT REMOVAL	C.Y.	3020			3020
(1)(2)(3)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	56469	36381	29505	122355
(1)(2)	209-08.07	ROCK CHECK DAM PER	EACH	191	480		671
(1)(2)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	51	47		107
(1)(2)	209-09.01	SANDBAGS	BAG	2000	2000	2000	2000
(1)(2)	209-09.03	SEDIMENT FILTER BAG (15' X 15')	EACH		10		10
(1)(2)	209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.		400		400
(1)(2)	209-65.03	TEMPORARY DIVERSION CHANNEL	L.F.		1690		1690
(1)(2)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	198	642	45	885
(1)(2)	621-03.02	18" TEMPORARY DRAINAGE PIPE	L.F.		51		51
(1)(2)	621-03.05	36" TEMPORARY DRAINAGE PIPE	L.F.		146		146
(1)(2)	621-03.06	42" TEMPORARY DRAINAGE PIPE	L.F.		460		460
(1)(2)	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	12481	2106	3587	18174
(1)(2)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	350			350
(1)(2)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	1806	4214	28	6048
(1)(2)	709-05.08	MACHINED RIP-RAP (CLASS B)	TON		387		387
(1)(2)	709-05.09	MACHINED RIP-RAP (CLASS C)	TON		1086		1086
(1)(2)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	3714	10959	218	14891
(1)(2)	805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.		65598		65598

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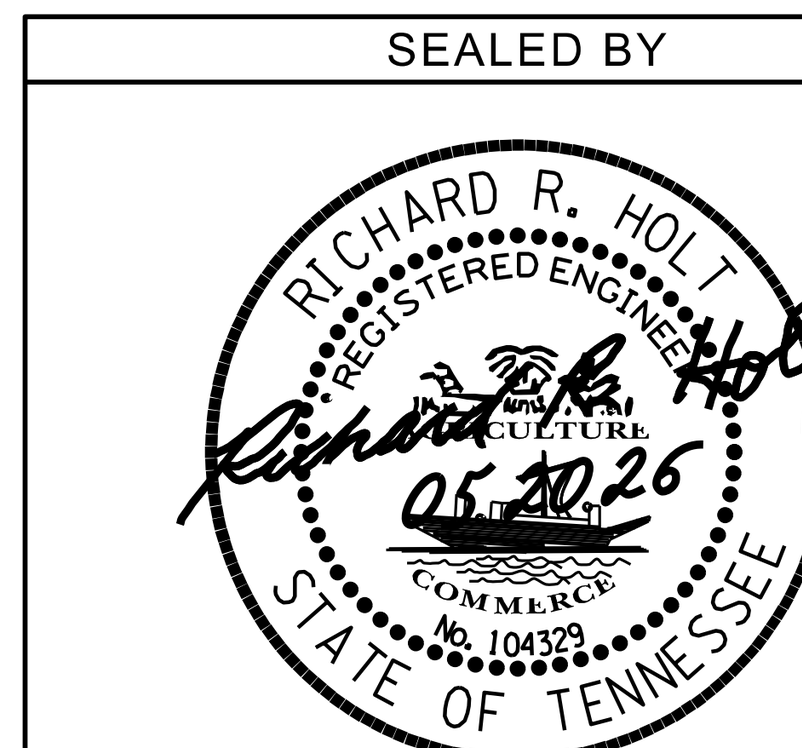

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) NOTES

IB-17-08

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	48
PIH	2026	STP/NH/HPP-28(32)	48
PS&E	2026	STP/NH/HPP-28(32)	48

N

UNNAMED TRIBUTARY

POND

1280

1285

1290

PERM. DRAINAGE ESMT. (BY OTHERS)

PIN 100260.03
BEGIN PROJ. NO. STP/NH/HPP-28(32);
18008-3230-14 (CONST.)
STA. 1282+00.00 S.R. 28
N:635100.2403
E:2245126.0239

PROP. ROW (BY OTHERS)

OUT - 1

HVF

SF

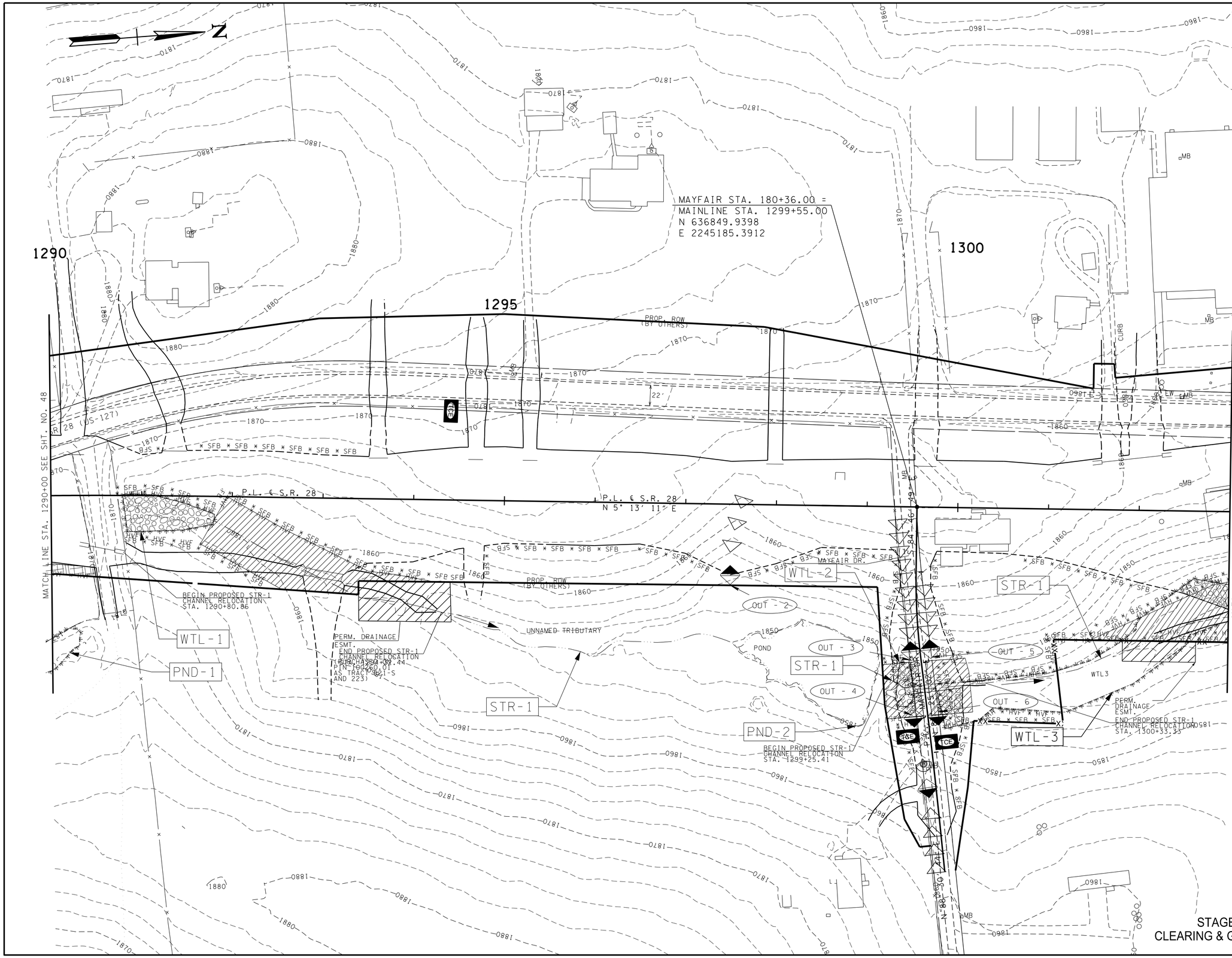
HVF

SF

HVF

SF

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	48A
PIH	2026	STP/NH/HPP-28(32)	48A
PS&E	2026	STP/NH/HPP-28(32)	48A



STAGE 1 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
2	0.58 AC.	7.7%
3	0.12 AC.	10.1%
4	2.33 AC.	7.4%
5	0.25 AC.	12.2%
6	0.25 AC.	6.1%

EXISTING CONTOURS SHOWN

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
CIVIL
STATE OF TENNESSEE
03.06.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 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

SCALE: 1"= 50'

STAGE I
CLEARING & GRUBBING

3/30/2026
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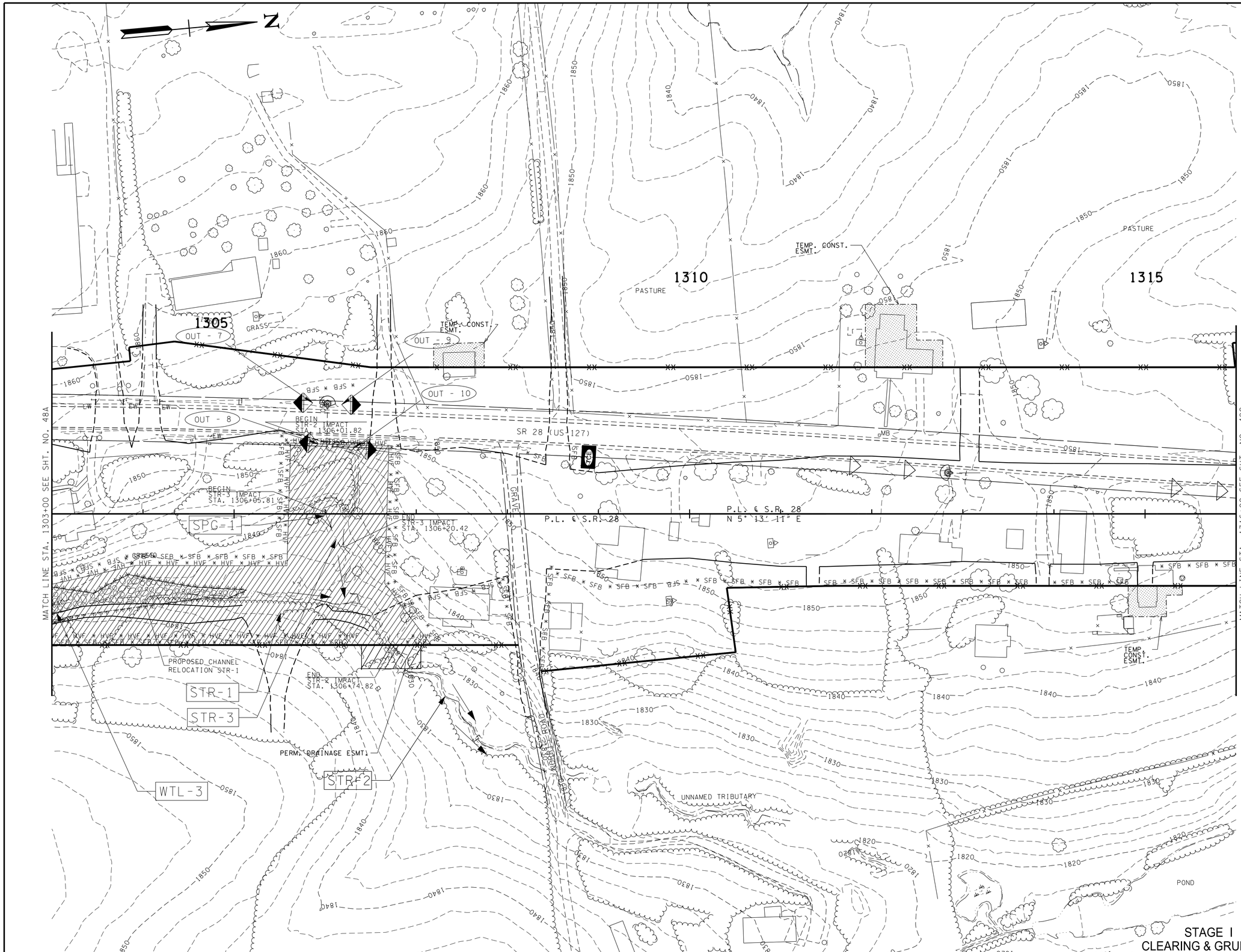
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	48B
PIH	2026	STP/NH/HPP-28(32)	48B
PS&E	2026	STP/NH/HPP-28(32)	48B



STAGE I
CLEARING & GRUBBING

STAGE 1
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
7	6.96 AC.	2.2%
8	1.24 AC.	1.6%
9	1.50 AC.	3.9%
10	0.51 AC.	2.4%

EXISTING CONTOURS SHOWN

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
CULTURE
COMMERCE
No. 104329
STATE OF TENNESSEE
Richard R. Holt
03.06.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 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

SCALE: 1"= 50'

3/30/2026
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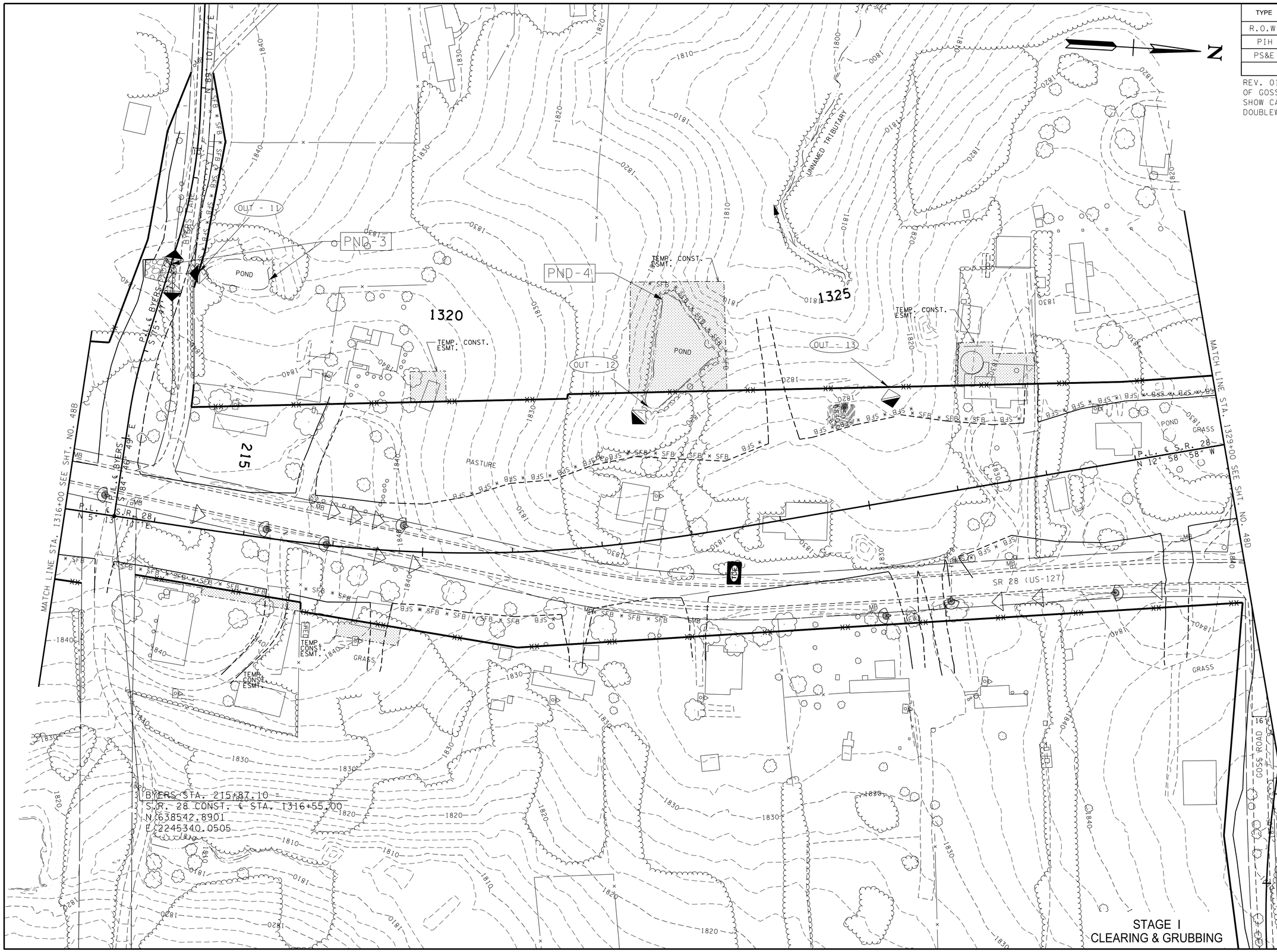
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	48C
PIH	2026	STP/NH/HPP-28(32)	48C
PS&E	2026	STP/NH/HPP-28(32)	48C

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD. UPDATED TRACT 55 TO SHOW CARPORT & TRACT 61 TO SHOW DOUBLEWIDE MANUFACTURED HOME.



STAGE I
CLEARING & GRUBBING

STAGE 1
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
11	3.31 AC.	4.6%
12	2.24 AC.	5.9%
13	1.36 AC.	5.6%

EXISTING CONTOURS SHOWN

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
03.06.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 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

SCALE: 1"= 50'

3/30/2026
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NOTE:
WTL-3 / PND-5 BERM TO BE INSTALLED IN STAGE I

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	48D
PIH	2026	STP/NH/HPP-28(32)	48D
PS&E	2026	STP/NH/HPP-28(32)	48D

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD. UPDATED TRACT 65 TO SHOW DOUBLEWIDE MANUFACTURED HOME.

STAGE 1
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
14	1.08 AC.	5.8%
15	0.78 AC.	4.7%
16	0.57 AC.	7.8%
17	1.41 AC.	6.3%
18	1.76 AC.	8.8%
19	1.60 AC.	4.6%
20	3.00 AC.	8.4%

EXISTING CONTOURS SHOWN

RECTOR STA. 233+63.78 =
S.R. 28 CONST. ℄ STA. 1329+51.00
N 639818.9754
E 2245178.8082

GOSS STA. 240+00.00 =
S.R. 28 CONST. ℄ STA. 1329+51.00
N 639818.9754
E 2245178.8082

OLD S.R. 28 SOUTH STA. 300+00.00 =
GOSS STA. 242+05.00
N 639858.3600
E 2245379.7285

P.I. ℄ RECTOR S 88° 40' 13" E 1329.51'

P.I. ℄ GOSS N 47° 01' 02" E 1329.22'

P.I. ℄ OLD S.R. 28 N 9° 25' 13" E 1382.28'

℄ S.R. 28 N 12° 58' 58" W

P.I. ℄ GOSS N 47° 01' 02" E

N 3° 38' 36" W

S 85° 05' 52" E

N 31° 02' 05" W

S 64° 42' 13" W

PND-5

WTL-3A

STR-4

BEGIN STR-4 IMPACT STA. 1339+13.84

END STR-4 IMPACT STA. 1339+05.63

340+27.50

340+13.72

194.18

194.59

OUT - 14

OUT - 15

OUT - 16

OUT - 17

OUT - 18

OUT - 19

OUT - 20

TO BE REMOVED

TEMP. CONST. ESMT.

PERM. DRAINAGE EASEMENT

EXIST. GUARDRAIL (RETAIN)

NO BUSINESS CREEK

TOP OF BANK

TOP OF CUT

PASTURE

SOD

POND

GABIONS

TYPE S8

MATCH LINE STA. 1329+00 SEE SHT. NO. 48C

MATCH LINE STA. 1342+00 SEE SHT. NO. 48E

1330 1335 1340 230 305 245

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
103429
STATE OF TENNESSEE
3.05.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE I
CLEARING & GRUBBING

3/30/2026
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S.R. 28:
PROPOSED LEFT ROADSIDE DITCH INCLUDING AREAS FROM ROW TO CENTERLINE FROM STA. 1344+60.00 TO STA. 1347+50.00 TO BE CONSTRUCTED IN THE DRY AND FINAL STABILIZED (INCLUDING CHECK DAM REMOVAL) FIRST DURING STAGE I AND USED FOR CLEAN RUN-ON DIVERSION

LELAND PRYOR ROAD:
PROPOSED LEFT ROADSIDE DITCH TO BE CONSTRUCTED IN THE DRY AND FINAL STABILIZED FIRST DURING STAGE I AND USED FOR CLEAN RUN-ON DIVERSION

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	48E
PIH	2026	STP/NH/HPP-28(32)	48E
PS&E	2026	STP/NH/HPP-28(32)	48E

REV. 01-11-22: UPDATED PROPOSED R.O.W. TO EXCLUDE TRACT 72A. UPDATED TRACT 72B TO SHOW DOUBLEWIDE MANUFACTURED HOME.

NO BUSINESS CREEK HAUL RD.
STA. 0+00.00
N 641278.7955
E 2244963.4790

LELAND PRYOR STA. 265+56.01 = S.R. 28 CONST. ℄ STA. 1344+33.00
N 641271.2678
E 2244893.7124

P.B. ℄ S.R.28 N 0° 55' 36" W

P.I. ℄ PRYOR N 46° 11' 38" E

N 87° 01' 10" E

STAGE 1 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
21	0.30 AC.	3.9%
22	1.25 AC.	8.1%
23	3.12 AC.	3.7%
24	0.89 AC.	2.8%

EXISTING CONTOURS SHOWN

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
03.18.26
STATE OF TENNESSEE

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE I
CLEARING & GRUBBING

3/30/2026
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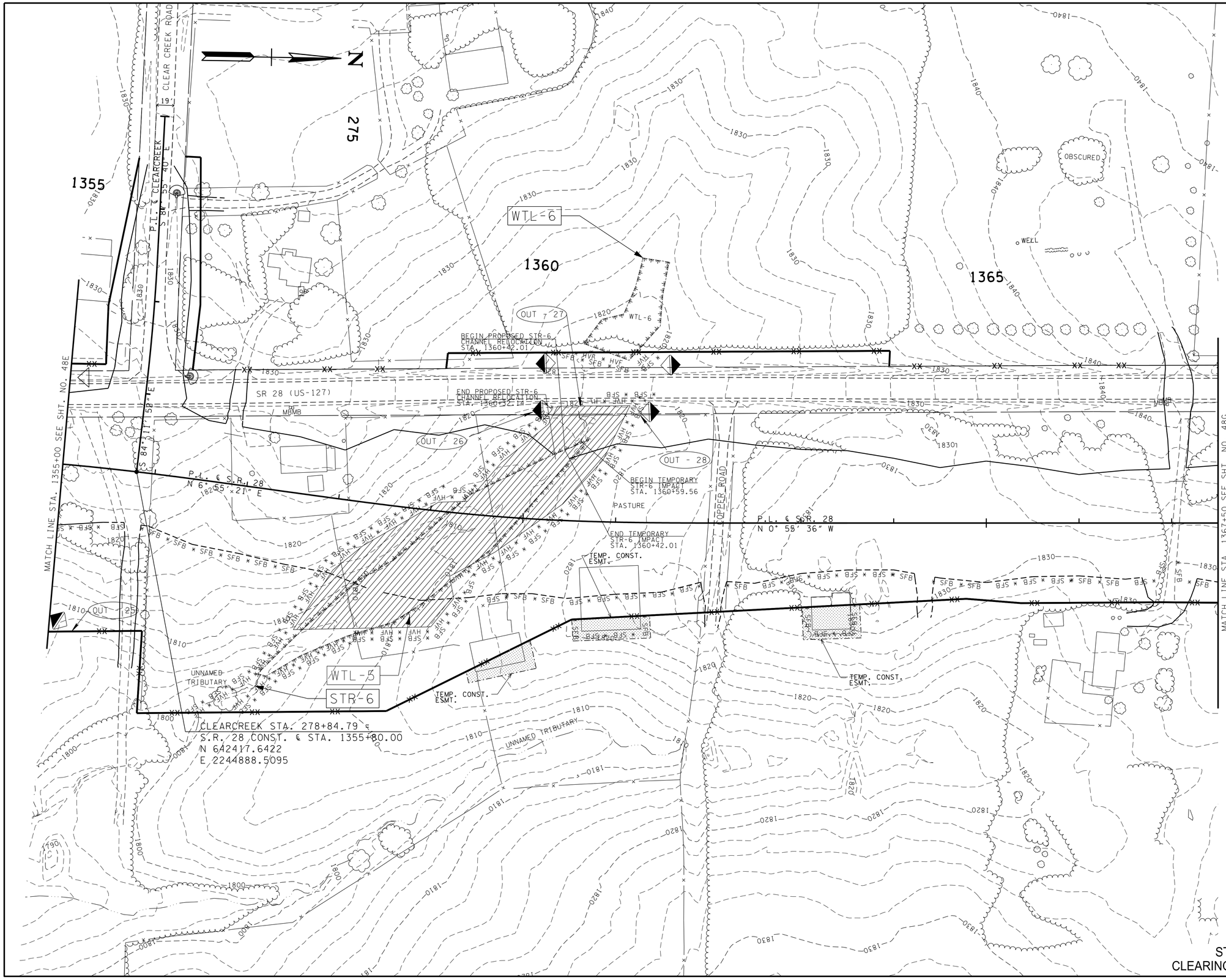
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	48F
PIH	2026	STP/NH/HPP-28(32)	48F
PS&E	2026	STP/NH/HPP-28(32)	48F

STAGE 1
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
25	1.27 AC.	5.2%
26	0.25 AC.	4.1%
27	8.81 AC.	3.4%
28	1.53 AC.	4.1%

EXISTING CONTOURS SHOWN



STAGE I
CLEARING & GRUBBING

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 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

SCALE: 1"= 50'

3/30/2026
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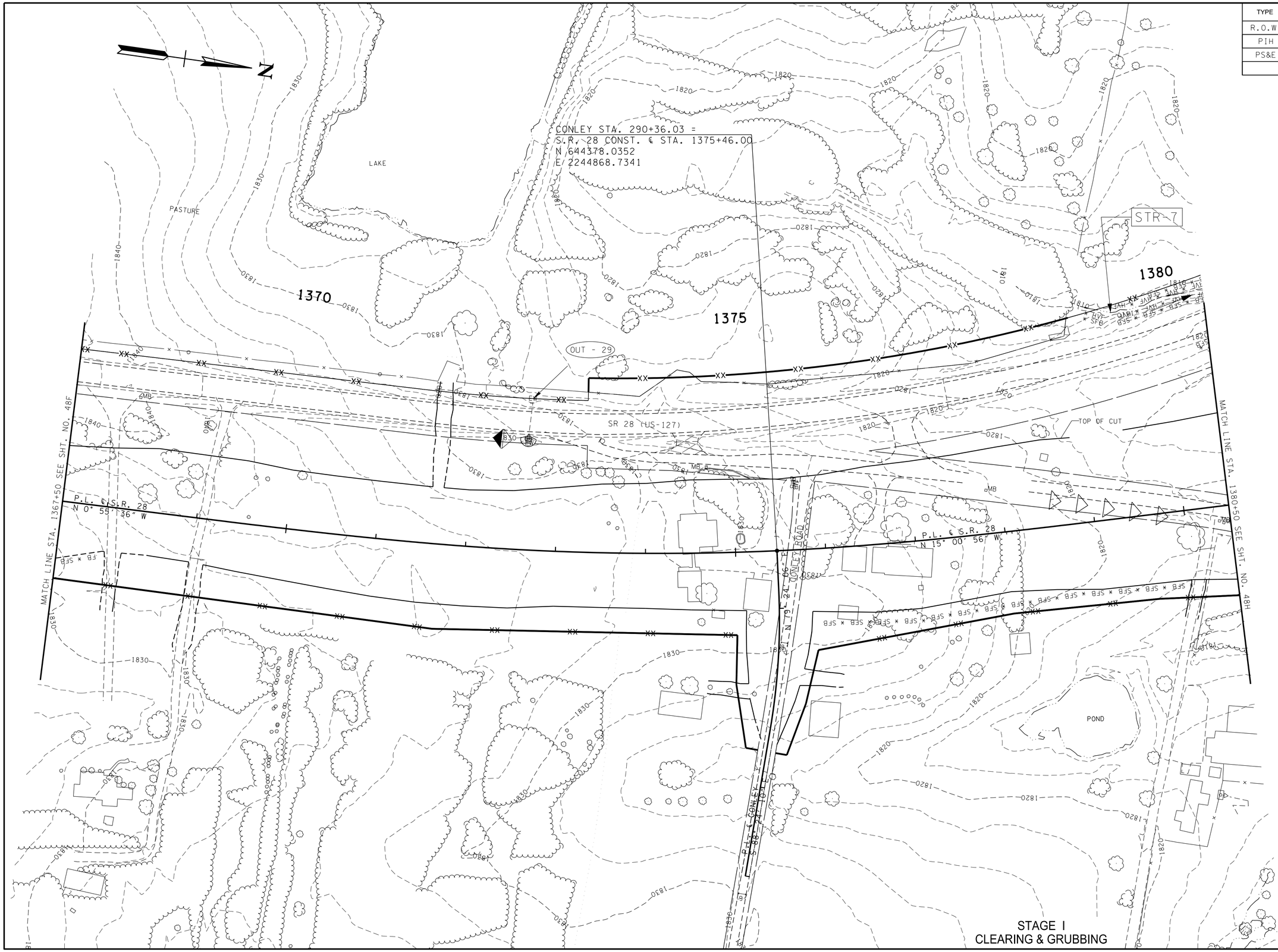
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	48G
PIH	2026	STP/NH/HPP-28(32)	48G
PS&E	2026	STP/NH/HPP-28(32)	48G



STAGE I
CLEARING & GRUBBING

STAGE 1 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
29	1.21 AC.	2.2%

EXISTING CONTOURS SHOWN

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
03.06.26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

3/30/2026
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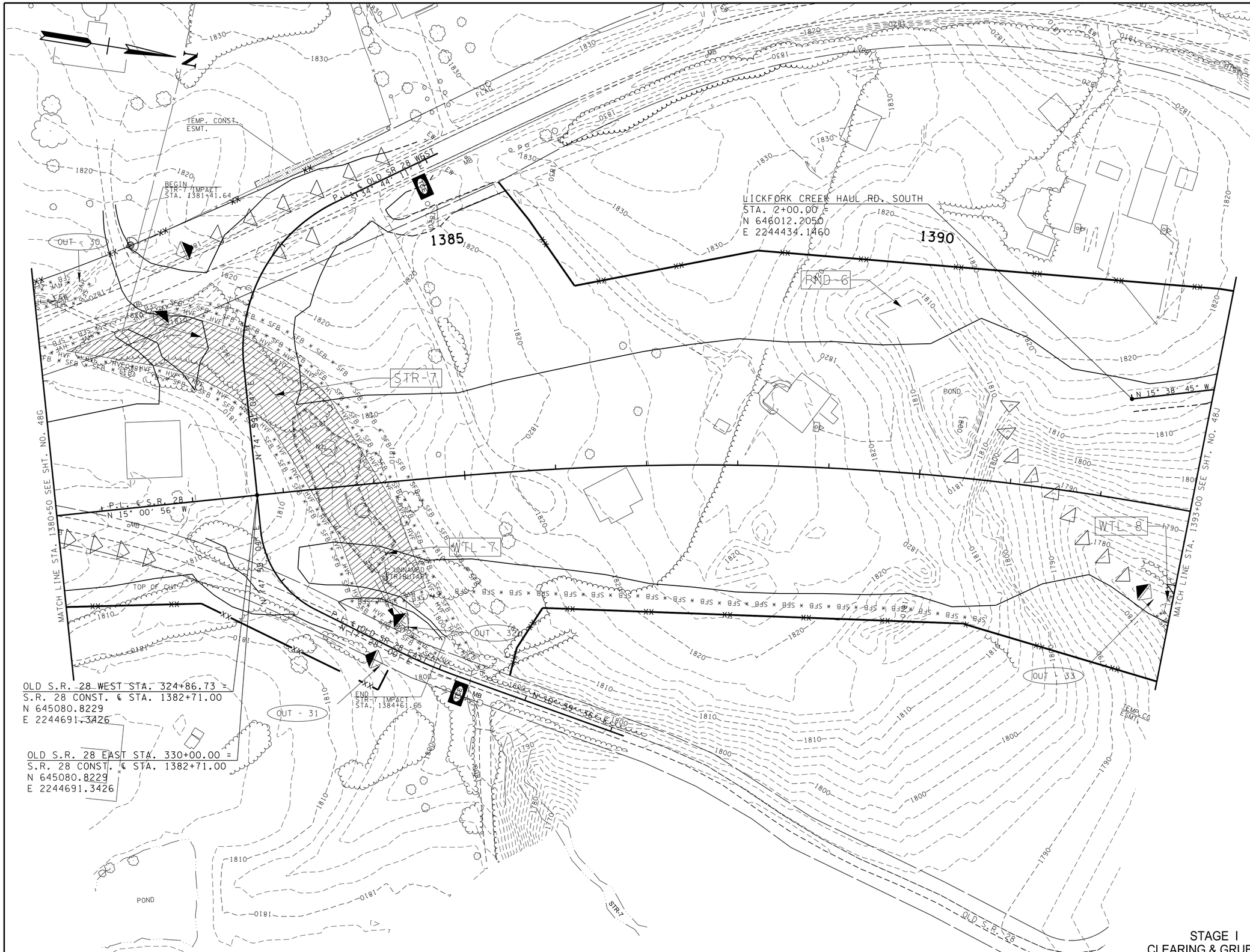

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	48H
PIH	2026	STP/NH/HPP-28(32)	48H
PS&E	2026	STP/NH/HPP-28(32)	48H

REV. 01-11-22: UPDATE TRACT 100 BUILDING AS RUIN, TRACT 102 HOUSE WAS REMOVED, & TRACT 104 HOUSE SPOTTED. ADDED PVT. DR. LT 320+87.78 OLD S.R. 28 WEST. UPDATED PROP. R.O.W. TO ACQUIRE TRACT 100.

STAGE 1
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
30	1.02 AC.	1.9%
31	6.15 AC.	2.3%
32	1.16 ac.	3.4%
33	5.98 ac.	10.2%

EXISTING CONTOURS SHOWN

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
03.06.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE I
CLEARING & GRUBBING

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	48J
PIH	2026	STP/NH/HPP-28(32)	48J
PS&E	2026	STP/NH/HPP-28(32)	48J

REV. 01-11-22: UPDATED EXISTING R.O.W FOR OLD S.R. 28 NEAR TRACTS 107 & 109.

LICKFORK CREEK HAUL RD. NORTH STA. 12+64.46 =
LICKFORK CREEK HAUL RD. NORTH 2 STA. 25+00.00
N 646630.5894
E 2244486.8799

LICKFORK CREEK HAUL RD. NORTH
STA. 10+00.00 =
N 646468.9045
E 2244609.8386

STAGE 1 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
34	0.87 AC.	23.4%
35	3.19 AC.	13.1%
36	3.40 AC.	9.9%
37	1.50 AC.	20.1%
38	9.02 AC.	10.4%

EXISTING CONTOURS SHOWN

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
10429
COMMISSION
STATE OF TENNESSEE
3.05.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 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

SCALE: 1"= 50'

STAGE I
CLEARING & GRUBBING

3/30/2026
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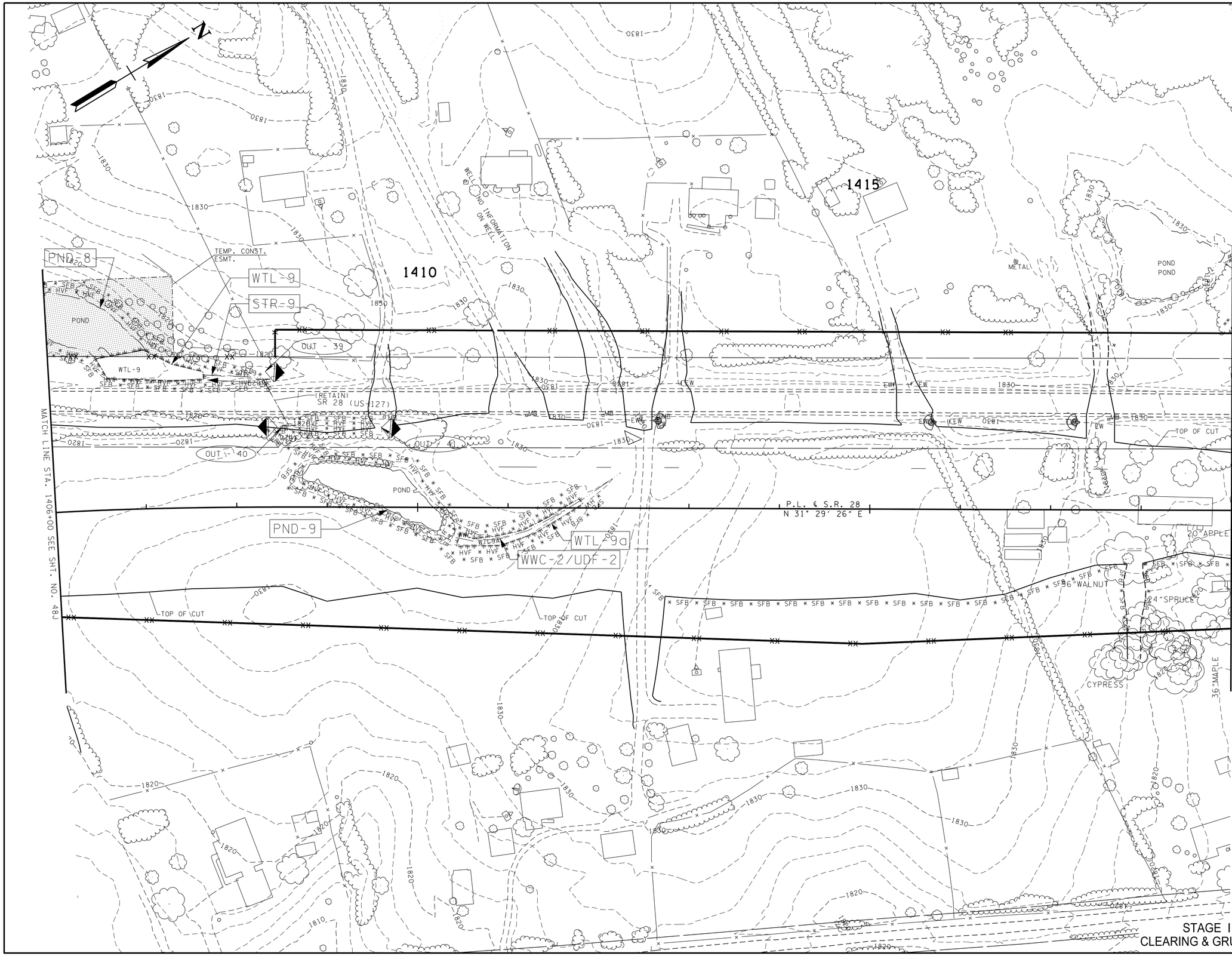
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	48K
PIH	2026	STP/NH/HPP-28(32)	48K
PS&E	2026	STP/NH/HPP-28(32)	48K



STAGE I
CLEARING & GRUBBING

STAGE 1 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
39	2.67 AC.	3.2%
40	0.98 AC.	3.2%
41	2.81 AC.	2.3%

EXISTING CONTOURS SHOWN

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 104329
STATE OF TENNESSEE

03.06.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 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

SCALE: 1"= 50'

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	48L
PIH	2026	STP/NH/HPP-28(32)	48L
PS&E	2026	STP/NH/HPP-28(32)	48L

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-2227-14 (R.O.W.)
STA. 428+42.14
N 649268.3580
E 2246007.5779

HOLLOW LANE STA. 310+36.00 =
S.R. 28 CONST. ℄ STA. 1427+94.00
N 649214.8124
E 2246016.9949

PIN 100260.03
END PROJ. NO. STP/NH/HPP-28(32):
18008-3230-14 (CONST.)
STA. 1431+00.00 S.R. 28
N:649475.7467
E:2246176.8363

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-3229-14 (CONST.)
STA. 431+07.40
N 649494.5516
E 2246146.1382

PIN 100260.03
END PROJ. NO. STP/NH/HPP-28(32):
18008-2226-14 (R.O.W.)
STA. 1431+03.64 S.R. 28
N:649478.8506
E:2246178.7376

STAGE 1 OUTFALL TABULATION

OUTFALL	AREA	SLOPE
42	0.55 AC.	2.4%
43	0.60 AC.	2.6%
44	0.19 AC.	2.9%
45	0.97 AC.	3.0%
46	1.14 AC.	6.5%

EXISTING CONTOURS SHOWN

SEALED BY

RICHARD R. HOLT REGISTERED ENGINEER 05.02.26 STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000012 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

SCALE: 1"= 50'

STAGE I
CLEARING & GRUBBING

MATCH LINE STA. 1419+00 SEE SHT. NO. 48K

MATCH LINE STA. 1431+50 SEE SHT. NO. 48M

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	48M
PIH	2026	STP/NH/HPP-28(32)	48M
PS&E	2026	STP/NH/HPP-28(32)	48M

1435

1440

POND

PRES. ROW & PROP. (C.A.) FENCE (BY OTHERS)

EW

FUTURE ℄

P.L. & S.R. 28
N 31° 29' 26" E

CATOOSA RIDGE DRIVE

PROP. ROW (C.A.)
& FENCE (BY OTHERS)

PROP. ROW (C.A.)
& FENCE (BY OTHERS)

PROP. ROW
(BY OTHERS)

PROP. ROW
(BY OTHERS)

MATCH LINE STA. 1431+50 SEE SHT. NO. 48L

EXISTING CONTOURS SHOWN

NOTE:
THIS SHEET SHOWN FOR INFORMATIONAL PURPOSES ONLY. REFER TO PIN 100260.04 PLANS FOR ADDITIONAL DETAILS.

STAGE I
CLEARING & GRUBBING

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
No. 104329
STATE OF TENNESSEE

Richard R. Holt
06.02.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 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

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	49
PIH	2026	STP/NH/HPP-28(32)	49
PS&E	2026	STP/NH/HPP-28(32)	49

N

UNNAMED TRIBUTARY

POND

PERM. DRAINAGE ESMT. (BY OTHERS)

OUT - 1

PROP. ROW (BY OTHERS)

P.L. ℄ S.R. 28
N 5° 24' 35" W

PIN 100260.03
BEGIN PROJ. NO. STP/NH/HPP-28(32);
18008-3230-14 (CONST.)
STA. 1282+00.00 S.R. 28
N:635100.2403
E:2245126.0239

PIN 100260.03
BEGIN PROJ. NO. STP/NH/HPP-28(32);
18008-2226-14 (R.O.W.)
STA. 1286+53.01 S.R. 28
N:635551.9504
E:2245093.2012

MATCH LINE STA. 1290+00 SEE SHT. NO. 49A

TOP OF

POND

PND-1

HUBERT CONLEY ROAD

POND

STAGE II
INTERMEDIATE GRADING

STAGE 2
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
1	1.11 AC.	3.2%

----	EXISTING CONTOURS
———	PROPOSED CONTOURS

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
03.06.26
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

3/30/2026
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NOTE:
EROSION CONTROL BLANKET TO BE INSTALLED FOR FINAL STABILIZATION

NOTE:
SEE CHANNEL RELOCATION TABLE ON SHEET 2B3 FOR CHANNEL DIMENSIONS AND LINING

STREAM SEQUENCING NOTE:
PROPOSED STREAM CONVEYANCE STRUCTURES SHALL BE CONSTRUCTED IN THE DRY WITH FINAL STABILIZATION COMPLETE AND IN PLACE PRIOR TO RECEIVING WATER.
STEP 1:
CONSTRUCT TEMPORARY STREAM DIVERSION OR INSTALL TEMPORARY PIPE AND DIVERT FLOW INTO TEMPORARY CHANNEL OR PIPE.
STEP 2:
CONSTRUCT NEW BOX CULVERT OR INSTALL NEW PIPE AND STABILIZE NEW CHANNEL
STEP 3:
REMOVE TEMPORARY STREAM DIVERSION AND DIVERT FLOW INTO PROPOSED STREAM RELOCATION

LEGEND	WETLAND IMPACTS	WTL-1	WTL-2	WTL-3
	AREA OF PERMANENT IMPACT	0.071 AC.	0.018 AC.	0.185 AC.
	VOLUME OF PERMANENT IMPACT	115 C.Y.	28 C.Y.	299 C.Y.
	AREA OF TEMPORARY IMPACT	0 AC.	0 AC.	0.113 AC.
	VOLUME OF TEMPORARY IMPACT	0 C.Y.	0 C.Y.	183 C.Y.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	49A
PIH	2026	STP/NH/HPP-28(32)	49A
PS&E	2026	STP/NH/HPP-28(32)	49A

MAYFAIR STA. 180+36.00 =
MAINLINE STA. 1299+55.00
N 636849.9398
E 2245185.3912

1290 1295 1300

MATCH LINE STA. 1290+00 SEE SHT. NO. 49

MATCH LINE STA. 1303+00 SEE SHT. NO. 49B

PROP. ROW (BY OTHERS)

P.L. & S.R. 28

P.L. & S.R. 28
N 5° 13' 11" E

OUT - 50

WTL - 1

BEGIN PROPOSED STR-1 CHANNEL RELOCATION STA. 1290+80.86

BEGIN 1292+49.95

STR-1

PERM. DRAINAGE ESMT. (PURCHASED ON PIN 100260.01 AS TRACTS 221-S AND 223)

END 1294+39.00
END PROPOSED STR-1 CHANNEL RELOCATION STA. 1294+32.44

OUT - 2

OUT - 51

POND BEGIN 1299+21.03

OUT - 52

PND-2

BEGIN PROPOSED STR-1 CHANNEL RELOCATION STA. 1299+25.41

MAYFAIR DR.

TOE OF FILL

BEGIN PROPOSED STR-1 CHANNEL RELOCATION STA. 1302+20.86

SIR-1

BEGIN 1302+08.03

OUT - 53

146' 36" TEMP PIPE

END 1300+48.22

PERM. DRAINAGE ESMT.

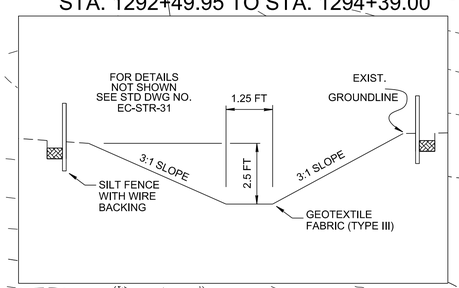
OUT - 54

END PROPOSED STR-1 CHANNEL RELOCATION STA. 1300+33.33

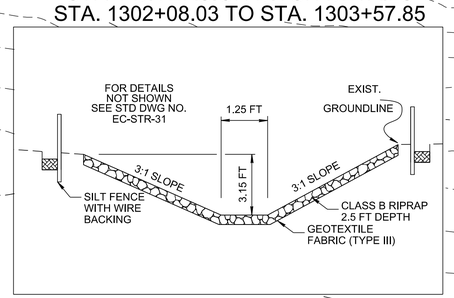
WTL-3

CURB

STR-1 DIVERSION DITCH DETAILS
STA. 1292+49.95 TO STA. 1294+39.00



STR-1 DIVERSION DITCH DETAILS
STA. 1302+08.03 TO STA. 1303+57.85



NOTE:
CONSTRUCTION OF BOX CULVERT ON MAYFAIR DR. SHALL BE PHASED TO MAINTAIN INGRESS AND EGRESS FOR THE DURATION OF CONSTRUCTION. CONSTRUCTING THE PORTION OUTSIDE OF THE EXISTING ROADWAY WIDTH FIRST FOR LOCAL TRAFFIC TO CROSS DURING CONSTRUCTION.

STAGE II
INTERMEDIATE GRADING

STAGE 2
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
50	3.23 AC.	2.9%
2	1.18 AC.	6.2%
51	0.12 AC.	9.6%
52	2.33 AC.	3.7%
53	0.25 AC.	10.0%
54	0.28 AC.	9.1%

----	EXISTING CONTOURS
———	PROPOSED CONTOURS

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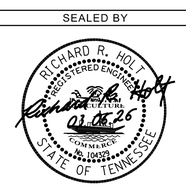

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

3/30/2026
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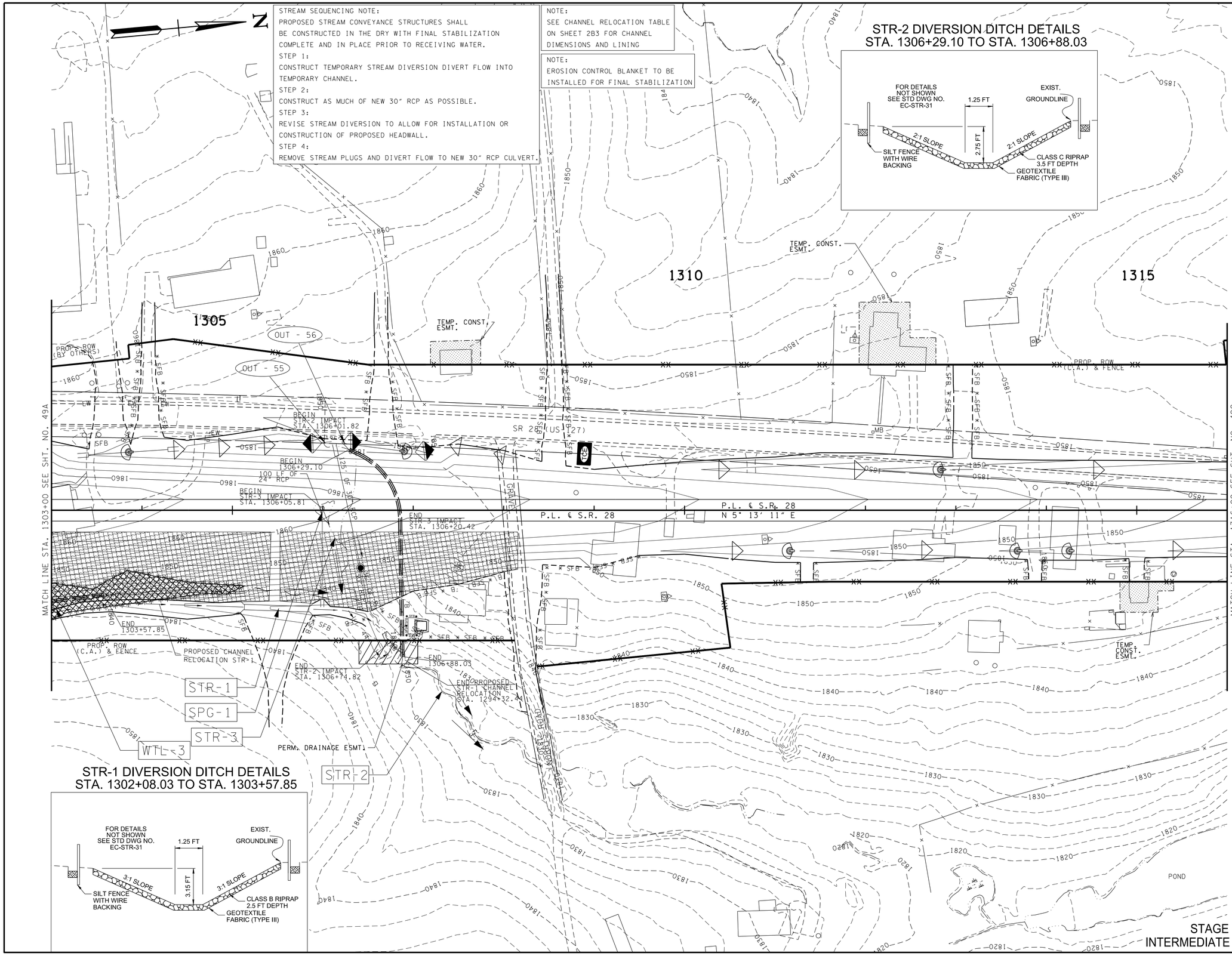
STREAM SEQUENCING NOTE:
PROPOSED STREAM CONVEYANCE STRUCTURES SHALL BE CONSTRUCTED IN THE DRY WITH FINAL STABILIZATION COMPLETE AND IN PLACE PRIOR TO RECEIVING WATER.
STEP 1:
CONSTRUCT TEMPORARY STREAM DIVERSION DIVERT FLOW INTO TEMPORARY CHANNEL.
STEP 2:
CONSTRUCT AS MUCH OF NEW 30" RCP AS POSSIBLE.
STEP 3:
REVISE STREAM DIVERSION TO ALLOW FOR INSTALLATION OR CONSTRUCTION OF PROPOSED HEADWALL.
STEP 4:
REMOVE STREAM PLUGS AND DIVERT FLOW TO NEW 30" RCP CULVERT.

NOTE:
SEE CHANNEL RELOCATION TABLE ON SHEET 2B3 FOR CHANNEL DIMENSIONS AND LINING

NOTE:
EROSION CONTROL BLANKET TO BE INSTALLED FOR FINAL STABILIZATION

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	49B
PIH	2026	STP/NH/HPP-28(32)	49B
PS&E	2026	STP/NH/HPP-28(32)	49B



STR-2 DIVERSION DITCH DETAILS
STA. 1306+29.10 TO STA. 1306+88.03

STR-1 DIVERSION DITCH DETAILS
STA. 1302+08.03 TO STA. 1303+57.85

STAGE II
INTERMEDIATE GRADING

STAGE 2 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
55	3.70 AC.	1.9%
56	0.71 AC.	5.2%

- - - -	EXISTING CONTOURS
———	PROPOSED CONTOURS

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 104329
STATE OF TENNESSEE
03.06.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

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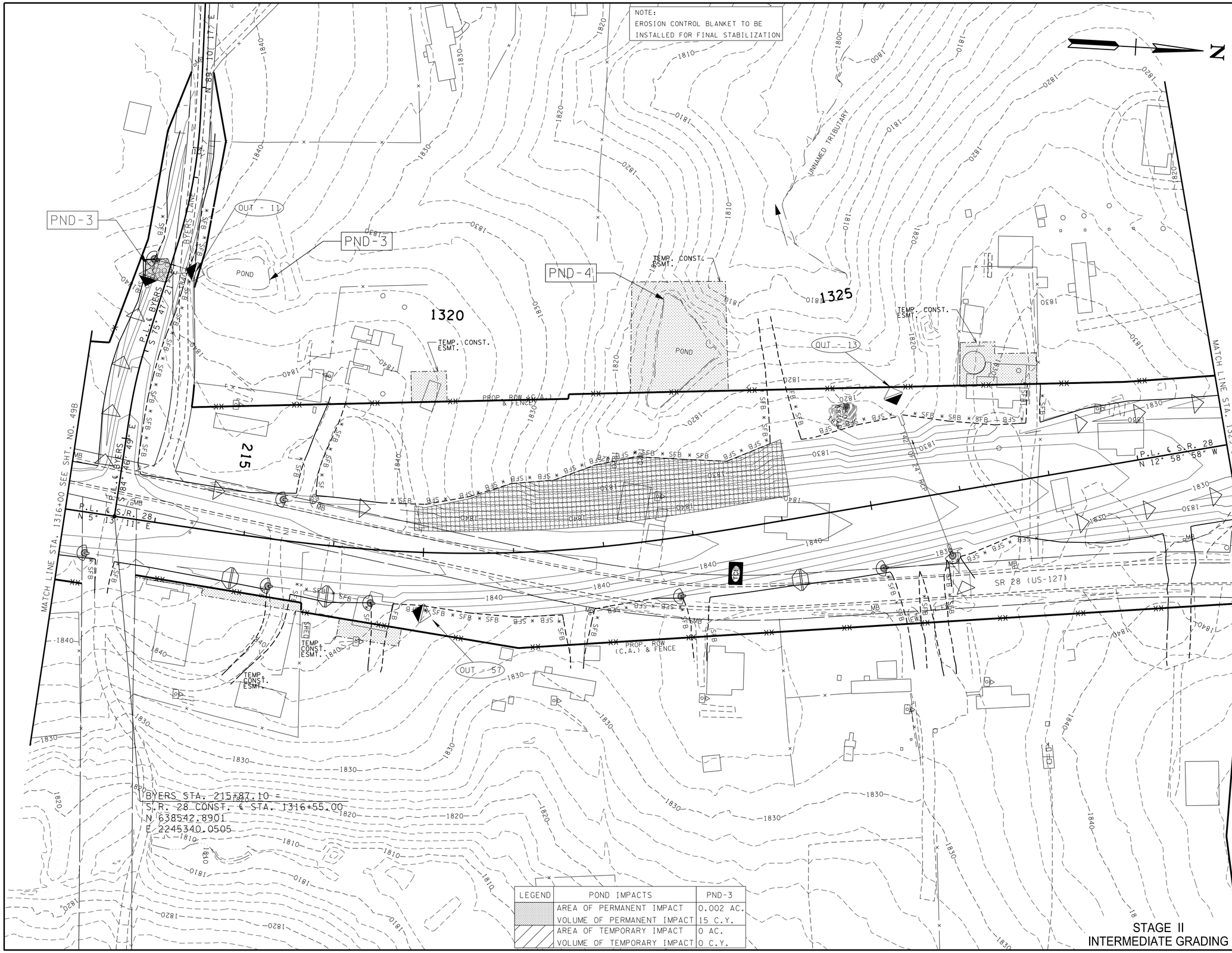

LEGEND	POND IMPACTS	PND-3
	AREA OF PERMANENT IMPACT	0.002 AC.
	VOLUME OF PERMANENT IMPACT	15 C.Y.
	AREA OF TEMPORARY IMPACT	0 AC.
	VOLUME OF TEMPORARY IMPACT	0 C.Y.

STAGE II
INTERMEDIATE GRADING

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	49C
PIH	2026	STP/NH/HPP-28(32)	49C
PS&E	2026	STP/NH/HPP-28(32)	49C

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD. UPDATED TRACT 55 TO SHOW CARPORT & TRACT 61 TO SHOW DOUBLEWIDE MANUFACTURED HOME.

STAGE 2
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
11	3.91 AC.	2.8%
57	1.72 AC.	1.7%
13	1.00 AC.	8.9%

- - - -	EXISTING CONTOURS
———	PROPOSED CONTOURS

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
03.06.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

3/30/2026
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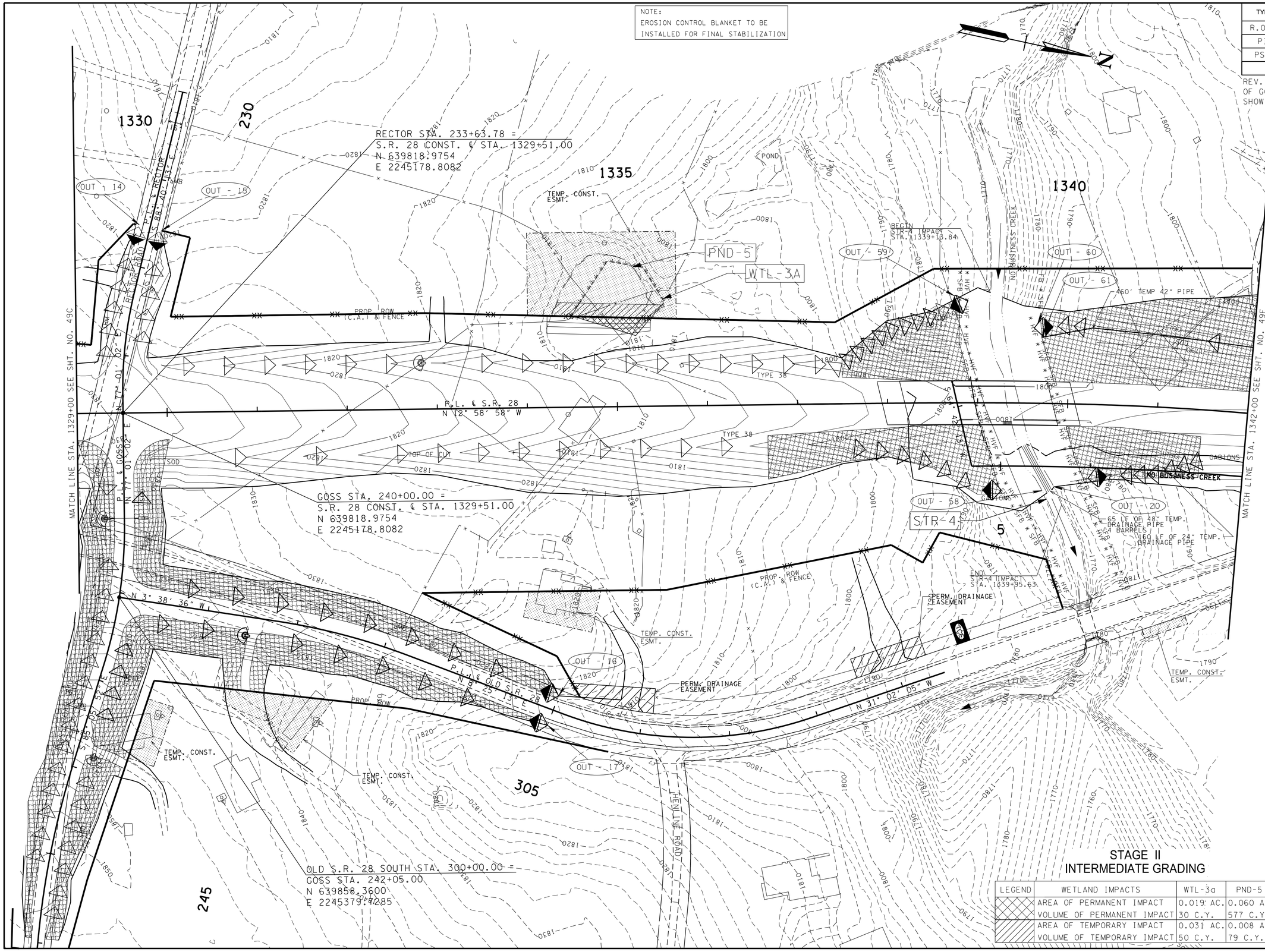
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	49D
PIH	2026	STP/NH/HPP-28(32)	49D
PS&E	2026	STP/NH/HPP-28(32)	49D

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD. UPDATED TRACT 65 TO SHOW DOUBLEWIDE MANUFACTURED HOME.

NOTE:
EROSION CONTROL BLANKET TO BE INSTALLED FOR FINAL STABILIZATION



STAGE 2 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
14	0.81 AC.	6.4%
15	0.21 AC.	6.9%
16	0.63 AC.	3.5%
17	0.70 AC.	3.9%
58	4.23 AC.	14.1%
59	1.90 AC.	3.7%
60	2.29 AC.	2.1%
61	8.61 AC.	4.8%
20	4.29 AC.	3.7%

- - - -	EXISTING CONTOURS
———	PROPOSED CONTOURS

STAGE II
INTERMEDIATE GRADING

LEGEND	WETLAND IMPACTS	WTL-3a	PND-5
	AREA OF PERMANENT IMPACT	0.019 AC.	0.060 AC.
	VOLUME OF PERMANENT IMPACT	30 C.Y.	577 C.Y.
	AREA OF TEMPORARY IMPACT	0.031 AC.	0.008 AC.
	VOLUME OF TEMPORARY IMPACT	50 C.Y.	79 C.Y.

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RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
03.06.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

3/30/2026
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NOTE:
EROSION CONTROL BLANKET TO BE INSTALLED FOR FINAL STABILIZATION

LEGEND	WETLAND IMPACTS	WTL-4
	AREA OF PERMANENT IMPACT	0.048 AC.
	VOLUME OF PERMANENT IMPACT	78 C.Y.
	AREA OF TEMPORARY IMPACT	0.059 AC.
	VOLUME OF TEMPORARY IMPACT	95 C.Y.

S.R. 28:
PROPOSED LEFT ROADSIDE DITCH INCLUDING AREAS FROM ROW TO CENTERLINE FROM STA. 1344+60.00 TO STA. 1347+50.00 TO BE CONSTRUCTED IN THE DRY AND FINAL STABILIZED (INCLUDING CHECK DAM REMOVAL) FIRST DURING STAGE I AND USED FOR CLEAN RUN-ON DIVERSION

LELAND PRYOR ROAD:
PROPOSED LEFT ROADSIDE DITCH TO BE CONSTRUCTED IN THE DRY AND FINAL STABILIZED FIRST DURING STAGE I AND USED FOR CLEAN RUN-ON DIVERSION

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	49E
PIH	2026	STP/NH/HPP-28(32)	49E
PS&E	2026	STP/NH/HPP-28(32)	49E

REV. 01-11-22: UPDATED PROPOSED R.O.W. TO EXCLUDE TRACT 72A. UPDATED TRACT 72B TO SHOW DOUBLEWIDE MANUFACTURED HOME.

N

NO BUSINESS CREEK HAUL RD.
STA. 0+00.00 =
N 641278.7955
E 2244963.4790

TEMP. CONST. ESMT.

WWC-1/UDF-1

460' TEMP 42" PIRE

PROP. ROW (CPROP & FENCE

MATCH LINE STA. 1342+00 SEE SHT. NO. 49D

MATCH LINE STA. 1355+00 SEE SHT. NO. 49F

P.L. & S.R. 28
N 0° 55' 36" W

SR 28 (US-27)

NO BUSINESS CREEK

WTL-4

STR-5

BEGIN
1343+52.97

BEGIN
STR-5 IMPACT
STA. 1343+12.64

END
1342+79.20

END
STR-5 IMPACT
STA. 1342+88.23

LELAND PRYOR STA. 265+56.01 =
S.R. 28 CONST. & STA. 1344+33.00
N 641271.2678
E 2244893.7124

PROP. ROW (C.A.) & FENCE

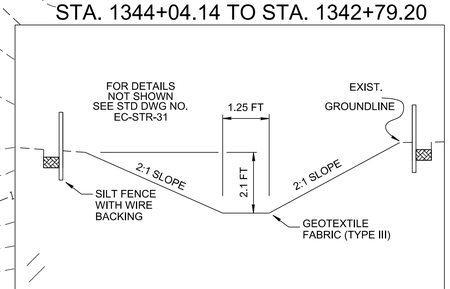
TEMP. CONST. ESMT.

----	EXISTING CONTOURS
———	PROPOSED CONTOURS

STREAM SEQUENCING NOTE:
PROPOSED STREAM CONVEYANCE STRUCTURES SHALL BE CONSTRUCTED IN THE DRY WITH FINAL STABILIZATION COMPLETE AND IN PLACE PRIOR TO RECEIVING WATER.
STEP 1:
CONSTRUCT TEMPORARY STREAM DIVERSION OR INSTALL TEMPORARY PIPE AND DIVERT FLOW INTO TEMPORARY CHANNEL OR PIPE.
STEP 2:
CONSTRUCT NEW BOX CULVERT OR INSTALL NEW PIPE AND STABILIZE NEW CHANNEL
STEP 3:
REMOVE TEMPORARY STREAM DIVERSION AND DIVERT FLOW INTO PROPOSED STREAM RELOCATION

STAGE II
INTERMEDIATE GRADING

STR-5 DIVERSION DITCH DETAILS
STA. 1344+04.14 TO STA. 1342+79.20



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RICHARD R. HOLT
REGISTERED ENGINEER
03.06.26
No. 104329
COMMERCE
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

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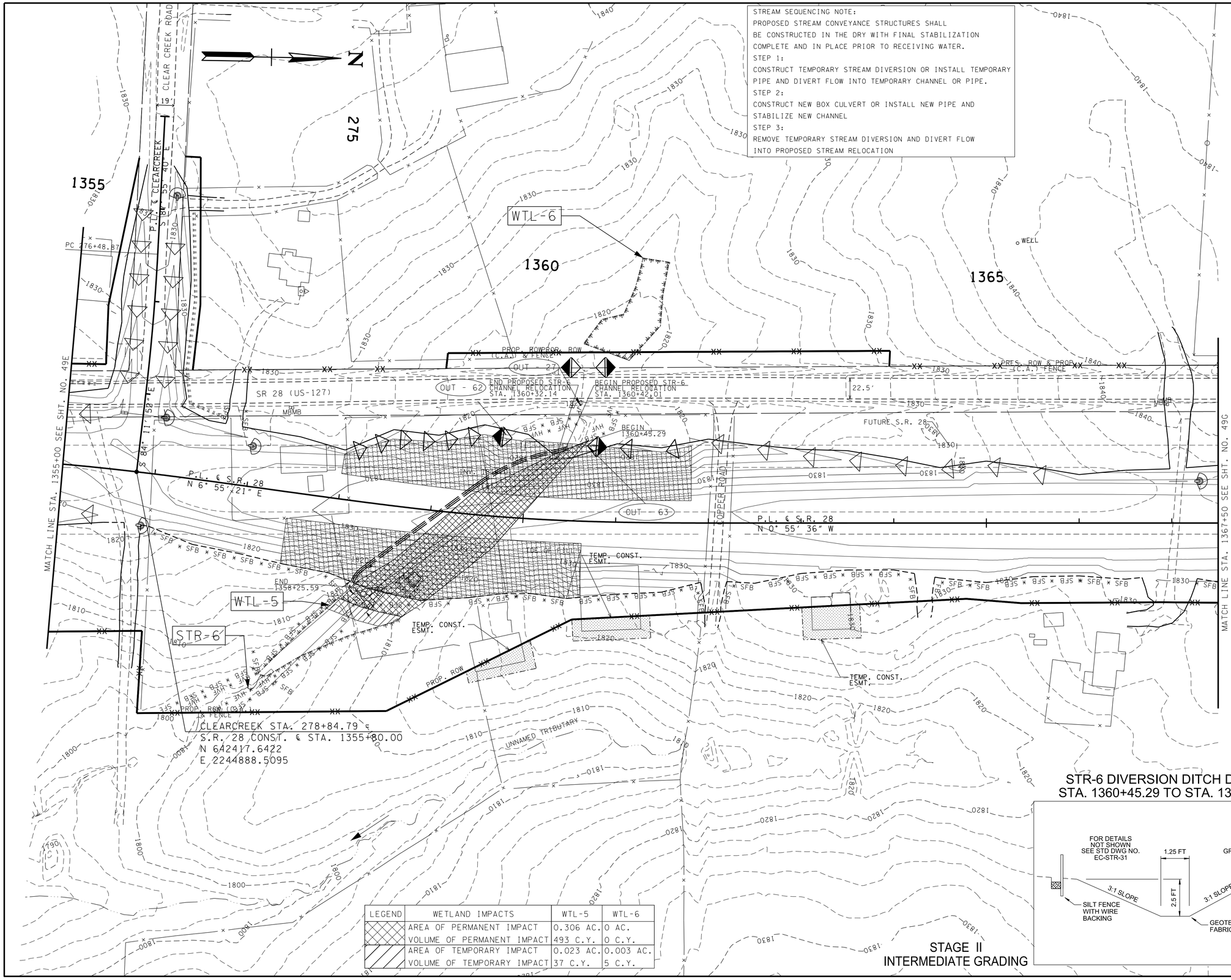
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	49F
PIH	2026	STP/NH/HPP-28(32)	49F
PS&E	2026	STP/NH/HPP-28(32)	49F

STREAM SEQUENCING NOTE:
PROPOSED STREAM CONVEYANCE STRUCTURES SHALL BE CONSTRUCTED IN THE DRY WITH FINAL STABILIZATION COMPLETE AND IN PLACE PRIOR TO RECEIVING WATER.
STEP 1:
CONSTRUCT TEMPORARY STREAM DIVERSION OR INSTALL TEMPORARY PIPE AND DIVERT FLOW INTO TEMPORARY CHANNEL OR PIPE.
STEP 2:
CONSTRUCT NEW BOX CULVERT OR INSTALL NEW PIPE AND STABILIZE NEW CHANNEL
STEP 3:
REMOVE TEMPORARY STREAM DIVERSION AND DIVERT FLOW INTO PROPOSED STREAM RELOCATION



LEGEND	WETLAND IMPACTS	WTL-5	WTL-6
	AREA OF PERMANENT IMPACT	0.306 AC.	0 AC.
	VOLUME OF PERMANENT IMPACT	493 C.Y.	0 C.Y.
	AREA OF TEMPORARY IMPACT	0.023 AC.	0.003 AC.
	VOLUME OF TEMPORARY IMPACT	37 C.Y.	5 C.Y.

STAGE II
INTERMEDIATE GRADING

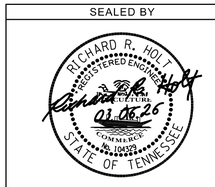
STR-6 DIVERSION DITCH DETAILS
STA. 1360+45.29 TO STA. 1358+25.59

STAGE 2 OUTFALL TABULATION

OUTFALL	AREA	SLOPE
62	0.68 AC.	8.1%
27	8.81 AC.	4.0%
63	2.13 AC.	4.1%

----	EXISTING CONTOURS
———	PROPOSED CONTOURS

SEALED BY



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	49G
PIH	2026	STP/NH/HPP-28(32)	49G
PS&E	2026	STP/NH/HPP-28(32)	49G

NOTE:
EROSION CONTROL BLANKET TO BE INSTALLED FOR FINAL STABILIZATION

CONLEY STA. 290+36.03 =
S.R. 28 CONST. ℄ STA. 1375+46.00
N 644378.0352
E 2244868.7341

N

LAKE

STR-7

1370 1375 1380

SR 28 (US-127)

P.L. ℄ S.R. 28
N 0° 58' 36" W

P.L. ℄ S.R. 28
N 15° 00' 56" W

CONLEY ROAD

MATCH LINE STA. 1367+50 SEE SHT. NO. 49F

MATCH LINE STA. 1380+50 SEE SHT. NO. 49H

PROP. ROW (C.A.) & FENCE

PRES. ROW & PROP. (C.A.) FENCE

TOE OF FILL

TOP OF CUT

POND

OUT - 64

OUT - 65

STAGE II
INTERMEDIATE GRADING

STAGE 2 OUTFALL TABULATION

OUTFALL	AREA	SLOPE
64	0.04 AC.	4.1%
65	0.04 AC.	5.0%

-----	EXISTING CONTOURS
———	PROPOSED CONTOURS

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
03.06.26
COMMERCE
No. 104329
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

3/30/2026
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NOTE:
EROSION CONTROL BLANKET TO BE INSTALLED FOR FINAL STABILIZATION

LEGEND	WETLAND IMPACTS	WTL-7	WTL-8
	AREA OF PERMANENT IMPACT	0.190 AC.	0.014 AC.
	VOLUME OF PERMANENT IMPACT	307 C.Y.	23 C.Y.
	AREA OF TEMPORARY IMPACT	0.000 AC.	0.006 AC.
	VOLUME OF TEMPORARY IMPACT	0 C.Y.	9 C.Y.

LEGEND	POND IMPACTS	PND-6
	AREA OF PERMANENT IMPACT	0.225 AC.
	VOLUME OF PERMANENT IMPACT	2541 C.Y.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	49H
PIH	2026	STP/NH/HPP-28(32)	49H
PS&E	2026	STP/NH/HPP-28(32)	49H

REV. 01-11-22: UPDATE TRACT 100 BUILDING AS RUIN, TRACT 102 HOUSE WAS REMOVED, & TRACT 104 HOUSE SPOTTED. ADDED PVT. DR. LT 320+87.78 OLD S.R. 28 WEST. UPDATED PROP. R.O.W. TO ACQUIRE TRACT 100.

TEMP. CONST. ESMT.

PRES. ROW & PROP FENCE (C.A.)

BEGIN PROPOSED STR-7 CHANNEL RELOCATION STA. 1381+41.21

BEGIN 1381+41.64

END 1383+23.56

STR-7

P.L. OLD SR 28 EAST N 17° 28' 00" E

P.L. OLD S.R. 28 WEST N 34° 47' 17" E

P.L. & S.R. 28 N 15° 00' 56" W

N 74° 59' 04" E 85.47'

N 10° 39' 36" E

S 15° 38' 45" W

WICKFORK CREEK HAUL RD. SOUTH
STA. 2+00.00 =
N 646012.2050
E 2244434.1460

RND-6

OUT - 66

OUT - 67

OUT - 68

OUT - 69

OUT - 70A

OUT - 70B

OUT - 70

70' OF 8' x 4' RCBC
1' EMBEDMENT

56' OF 8' x 4' RCBC
1' EMBEDMENT

150' OF 42" RCP

UNNAMED TRIBUTARY

WTL-7

WTL-8

TOP OF CUT

END PROPOSED STR-7 CHANNEL RELOCATION STA. 1384+61.65

PROP. ROW (C.A.) & FENCE

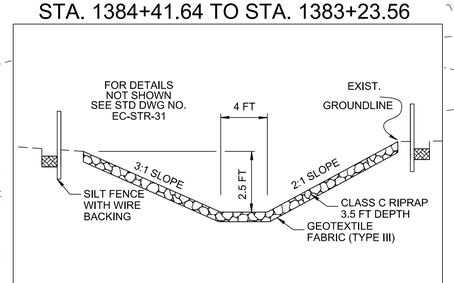
MATCH LINE STA. 1380+50 SEE SHT. NO. 49G

MATCH LINE STA. 1393+00 SEE SHT. NO. 49J

OLD S.R. 28 WEST STA. 324+86.73 =
S.R. 28 CONST. ℄ STA. 1382+71.00
N 645080.8229
E 2244691.3426

OLD S.R. 28 EAST STA. 330+00.00 =
S.R. 28 CONST. ℄ STA. 1382+71.00
N 645080.8229
E 2244691.3426

STR-7 DIVERSION DITCH DETAILS
STA. 1384+41.64 TO STA. 1383+23.56



POND

STAGE 2 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
66	6.02 AC.	2.2%
67	1.57 AC.	5.0%
68	1.03 AC.	2.2%
69	5.22 AC.	4.2%
70	5.47 AC.	3.4%
70A	7.10 AC.	15.4%
70B	0.21 AC.	8.9%

-----	EXISTING CONTOURS
———	PROPOSED CONTOURS

STREAM SEQUENCING NOTE:
PROPOSED STREAM CONVEYANCE STRUCTURES SHALL BE CONSTRUCTED IN THE DRY WITH FINAL STABILIZATION COMPLETE AND IN PLACE PRIOR TO RECEIVING WATER.
STEP 1:
CONSTRUCT TEMPORARY STREAM DIVERSION AND DIVERT FLOW FROM EXISTING CULVERT UNDER SR-28 TO STR-7.
STEP 2:
CONSTRUCT NEW BOX CULVERTS AND PROPOSED STREAM CHANNEL. STABILIZE NEW CHANNEL WITH RIP-RAP.
STEP 3:
REMOVE STREAM PLUGS AND DIVERT FLOW INTO PROPOSED STREAM RELOCATION.

STAGE II
INTERMEDIATE GRADING

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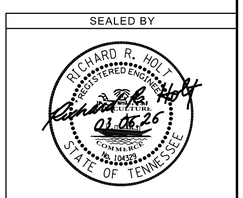

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

3/30/2026
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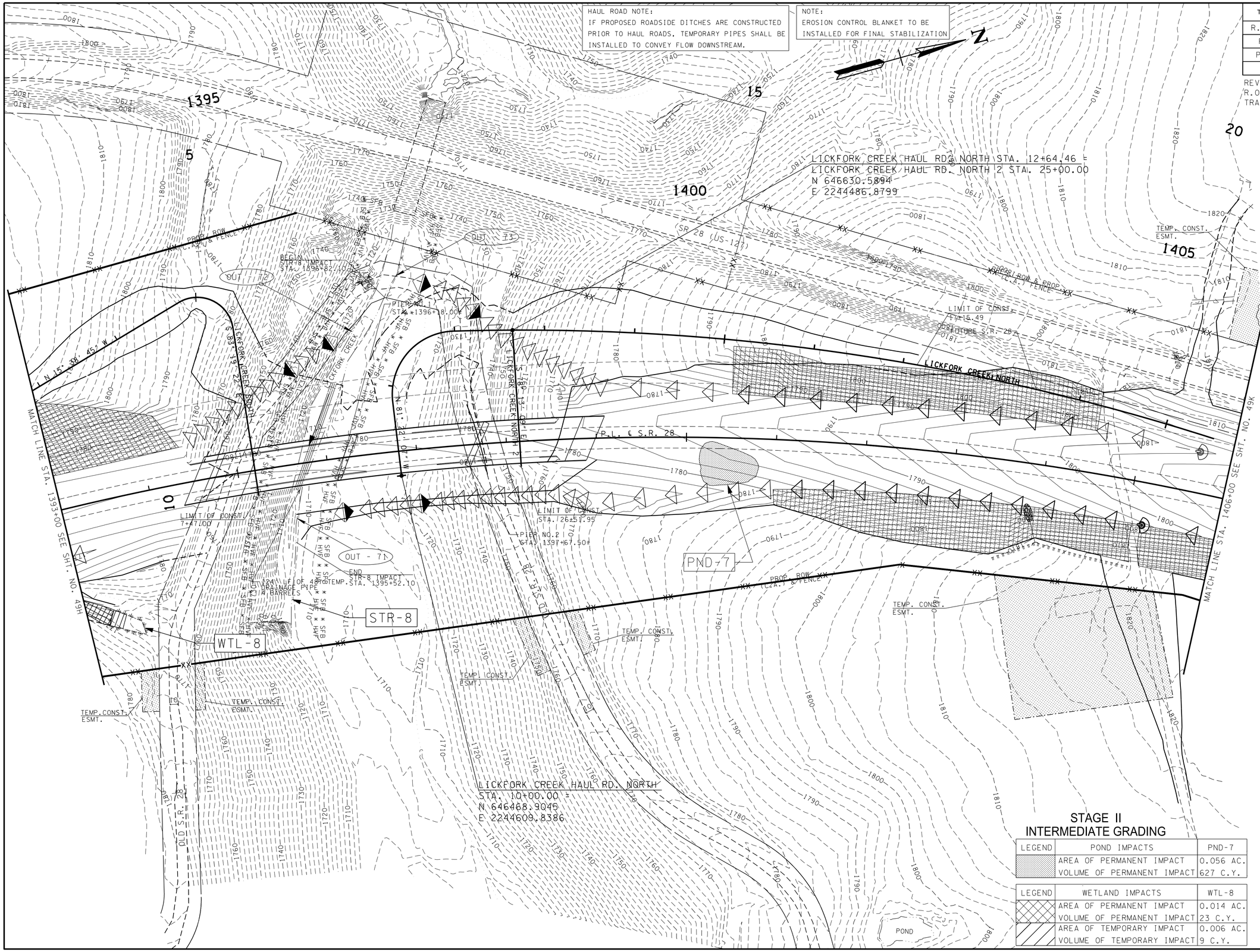
HAUL ROAD NOTE:
IF PROPOSED ROADSIDE DITCHES ARE CONSTRUCTED PRIOR TO HAUL ROADS, TEMPORARY PIPES SHALL BE INSTALLED TO CONVEY FLOW DOWNSTREAM.

NOTE:
EROSION CONTROL BLANKET TO BE INSTALLED FOR FINAL STABILIZATION

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	49J
PIH	2026	STP/NH/HPP-28(32)	49J
PS&E	2026	STP/NH/HPP-28(32)	49J

REV. 01-11-22: UPDATED EXISTING R.O.W FOR OLD S.R. 28 NEAR TRACTS 107 & 109.



STAGE 2 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
71	6.35 AC.	28.4%
72	2.05 AC.	26.7%
73	7.02 AC.	30.6%

- - - -	EXISTING CONTOURS
———	PROPOSED CONTOURS

STAGE II INTERMEDIATE GRADING

LEGEND	POND IMPACTS	PND-7
	AREA OF PERMANENT IMPACT	0.056 AC.
	VOLUME OF PERMANENT IMPACT	627 C.Y.

LEGEND	WETLAND IMPACTS	WTL-8
	AREA OF PERMANENT IMPACT	0.014 AC.
	VOLUME OF PERMANENT IMPACT	23 C.Y.
	AREA OF TEMPORARY IMPACT	0.006 AC.
	VOLUME OF TEMPORARY IMPACT	9 C.Y.

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
PROFESSIONAL ENGINEER
COMMERCE
No. 104329
STATE OF TENNESSEE
03.06.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 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

SCALE: 1"= 50'

3/30/2026
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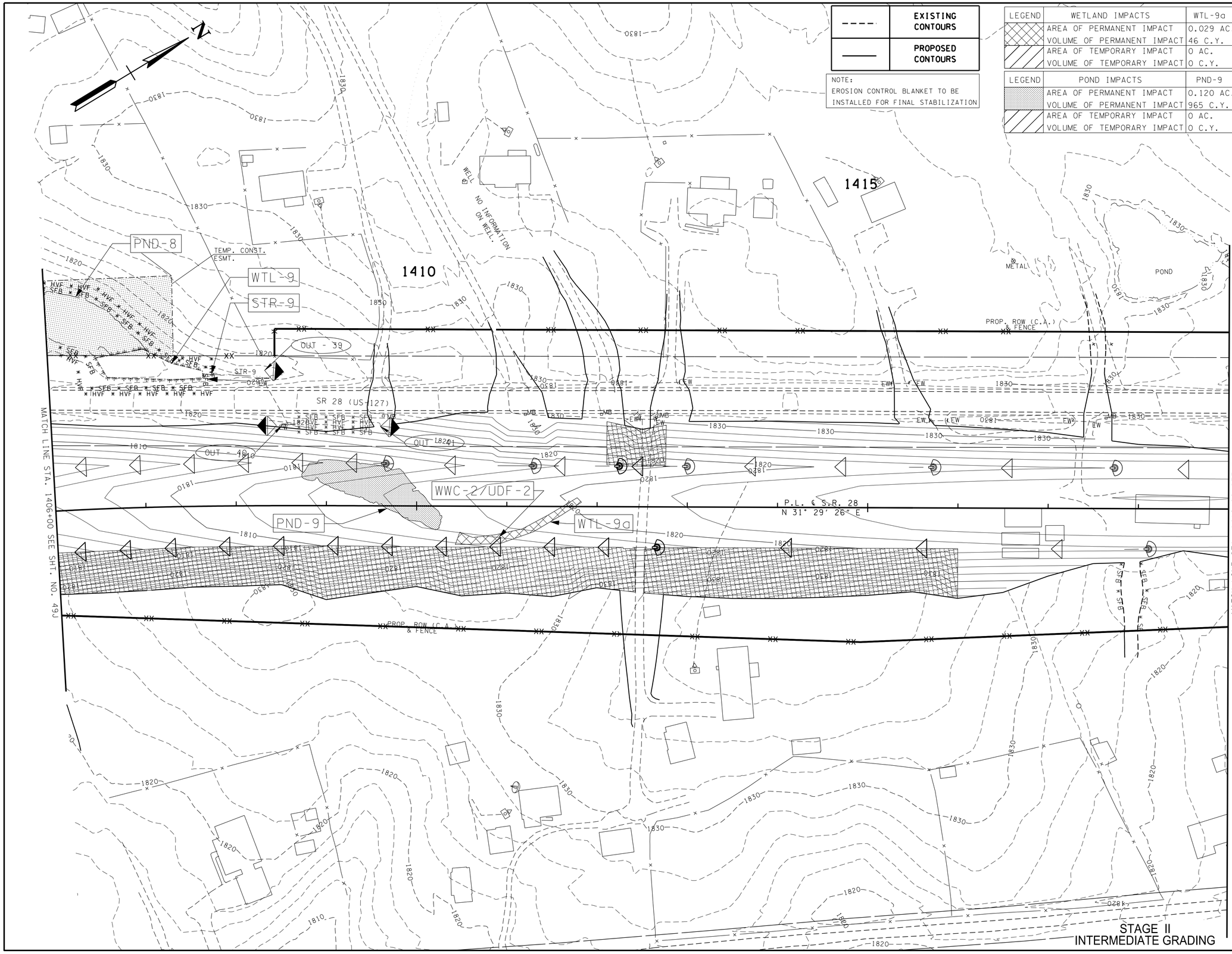
- - - -	EXISTING CONTOURS
———	PROPOSED CONTOURS

NOTE:
EROSION CONTROL BLANKET TO BE INSTALLED FOR FINAL STABILIZATION

LEGEND	WETLAND IMPACTS	WTL-9a
	AREA OF PERMANENT IMPACT	0.029 AC.
	VOLUME OF PERMANENT IMPACT	46 C.Y.
	AREA OF TEMPORARY IMPACT	0 AC.
	VOLUME OF TEMPORARY IMPACT	0 C.Y.

LEGEND	POND IMPACTS	PND-9
	AREA OF PERMANENT IMPACT	0.120 AC.
	VOLUME OF PERMANENT IMPACT	965 C.Y.
	AREA OF TEMPORARY IMPACT	0 AC.
	VOLUME OF TEMPORARY IMPACT	0 C.Y.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	49K
PIH	2026	STP/NH/HPP-28(32)	49K
PS&E	2026	STP/NH/HPP-28(32)	49K



STAGE II
INTERMEDIATE GRADING

STAGE 2 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
39	2.67 AC.	3.2%
40	0.98 AC.	3.2%
41	2.81 AC.	2.3%

- - - -	EXISTING CONTOURS
———	PROPOSED CONTOURS

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
03.06.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

3/30/2026
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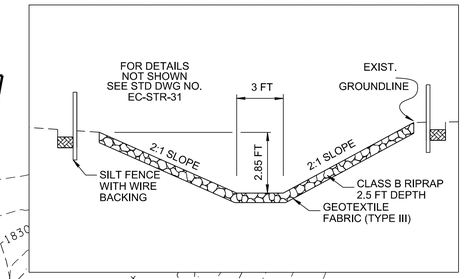
NOTE:
EROSION CONTROL BLANKET TO BE INSTALLED FOR FINAL STABILIZATION

STREAM SEQUENCING NOTE:
PROPOSED STREAM CONVEYANCE STRUCTURES SHALL BE CONSTRUCTED IN THE DRY WITH FINAL STABILIZATION COMPLETE AND IN PLACE PRIOR TO RECEIVING WATER.
STEP 1:
CONSTRUCT TEMPORARY STREAM DIVERSION OR INSTALL TEMPORARY PIPE AND DIVERT FLOW INTO TEMPORARY CHANNEL OR PIPE.
STEP 2:
CONSTRUCT NEW BOX CULVERT OR INSTALL NEW PIPE AND STABILIZE NEW CHANNEL
STEP 3:
REMOVE TEMPORARY STREAM DIVERSION AND DIVERT FLOW INTO PROPOSED STREAM RELOCATION

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-2227-14 (R.O.W.)
STA. 428+42.14
N 649268.3580
E 2246007.5779

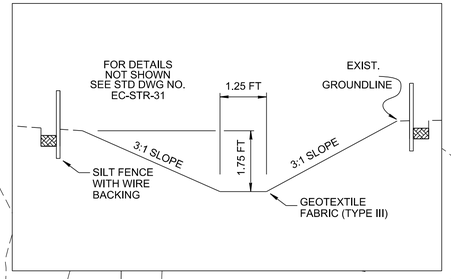
HOLLOW LANE STA. 310+36.00 =
S.R. 28 CONST. ℄ STA. 1427+94.00
N 649214.8124
E 2246016.9949

STR-11 DIVERSION DITCH DETAILS
STA. 1421+10.95 TO STA. 1422+35.28



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	49L
PIH	2026	STP/NH/HPP-28(32)	49L
PS&E	2026	STP/NH/HPP-28(32)	49L

STR-12 DIVERSION DITCH DETAILS
STA. 1426+75.41 TO STA. 1424+39.49



STAGE II
INTERMEDIATE GRADING

LEGEND	WETLAND IMPACTS	WTL-10	WTL-11
	AREA OF PERMANENT IMPACT	0.194 AC.	0 AC.
	VOLUME OF PERMANENT IMPACT	313 C.Y.	0 C.Y.
	AREA OF TEMPORARY IMPACT	0 AC.	0.001 AC.
	VOLUME OF TEMPORARY IMPACT	0 C.Y.	1 C.Y.

PIN 100260.03
END PROJ. NO. STP/NH/HPP-28(32);
18008-3230-14 (CONST.)
STA. 1431+00.00 S.R. 28
N:649475.7467
E:2246176.8363

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-3229-14 (CONST.)
STA. 431+07.40
N 649494.5516
E 2246146.1382

PIN 100260.03
END PROJ. NO. STP/NH/HPP-28(32);
18008-2226-14 (R.O.W.)
STA. 1431+03.64 S.R. 28
N:649478.8506
E:2246178.7377

STAGE 2 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
74	0.83 AC.	5.4%
75	0.66 AC.	3.3%
76	1.03 AC.	2.5%
77	1.55 AC.	2.7%
78	1.51 AC.	2.3%

-----	EXISTING CONTOURS
———	PROPOSED CONTOURS

SEALED BY
RICHARD R. HOLT
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 109999
STATE OF TENNESSEE
05.02.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	49M
PIH	2026	STP/NH/HPP-28(32)	49M
PS&E	2026	STP/NH/HPP-28(32)	49M

1435

1440

POND

PRES. ROW & PROP. (C.A.) FENCE (BY OTHERS)

EW

FUTURE ℄

P.L. ℄ S.R. 28
N 31° 29' 26" E

MATCH LINE STA. 1431+50 SEE SHT. NO. 49L

CATOOSA RIDGE DRIVE

PROP. ROW (C.A.) & FENCE (BY OTHERS)

PROP. ROW (BY OTHERS)

PROP. ROW (C.A.) & FENCE (BY OTHERS)

PROP. ROW (BY OTHERS)

NOTE:
THIS SHEET SHOWN FOR INFORMATIONAL PURPOSES ONLY. REFER TO PIN 100260.04 PLANS FOR ADDITIONAL DETAILS.

STAGE II
INTERMEDIATE GRADING

EXISTING CONTOURS

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
06.02.26
COMMISSION NO. 109259
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

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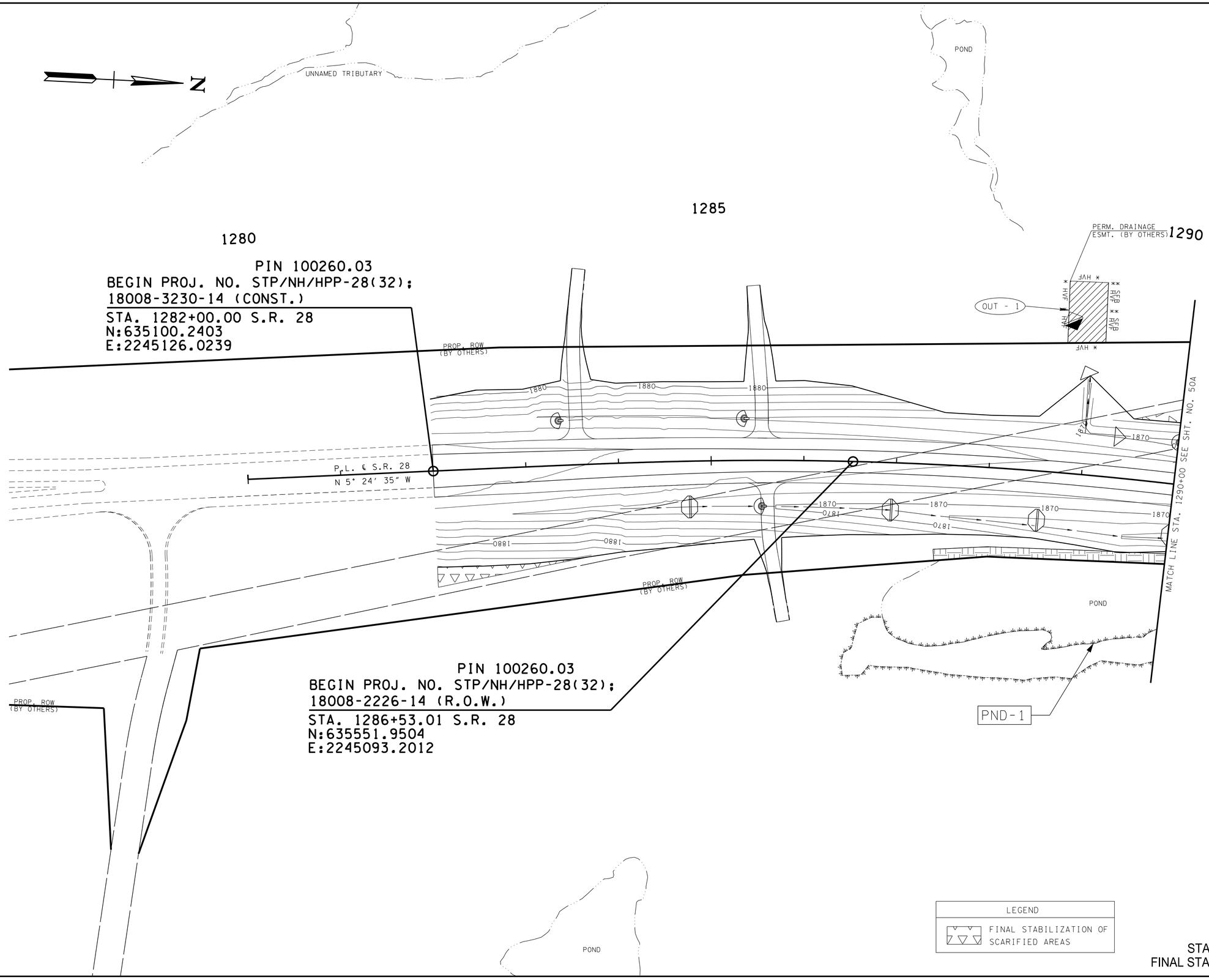
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	50
PIH	2026	STP/NH/HPP-28(32)	50
PS&E	2026	STP/NH/HPP-28(32)	50



NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

STAGE 3 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
1	1.11 AC.	3.2%

PROPOSED CONTOURS SHOWN

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
03.06.26

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LEGEND

FINAL STABILIZATION OF SCARIFIED AREAS

STAGE III
FINAL STABLILIZATION

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

3/30/2026
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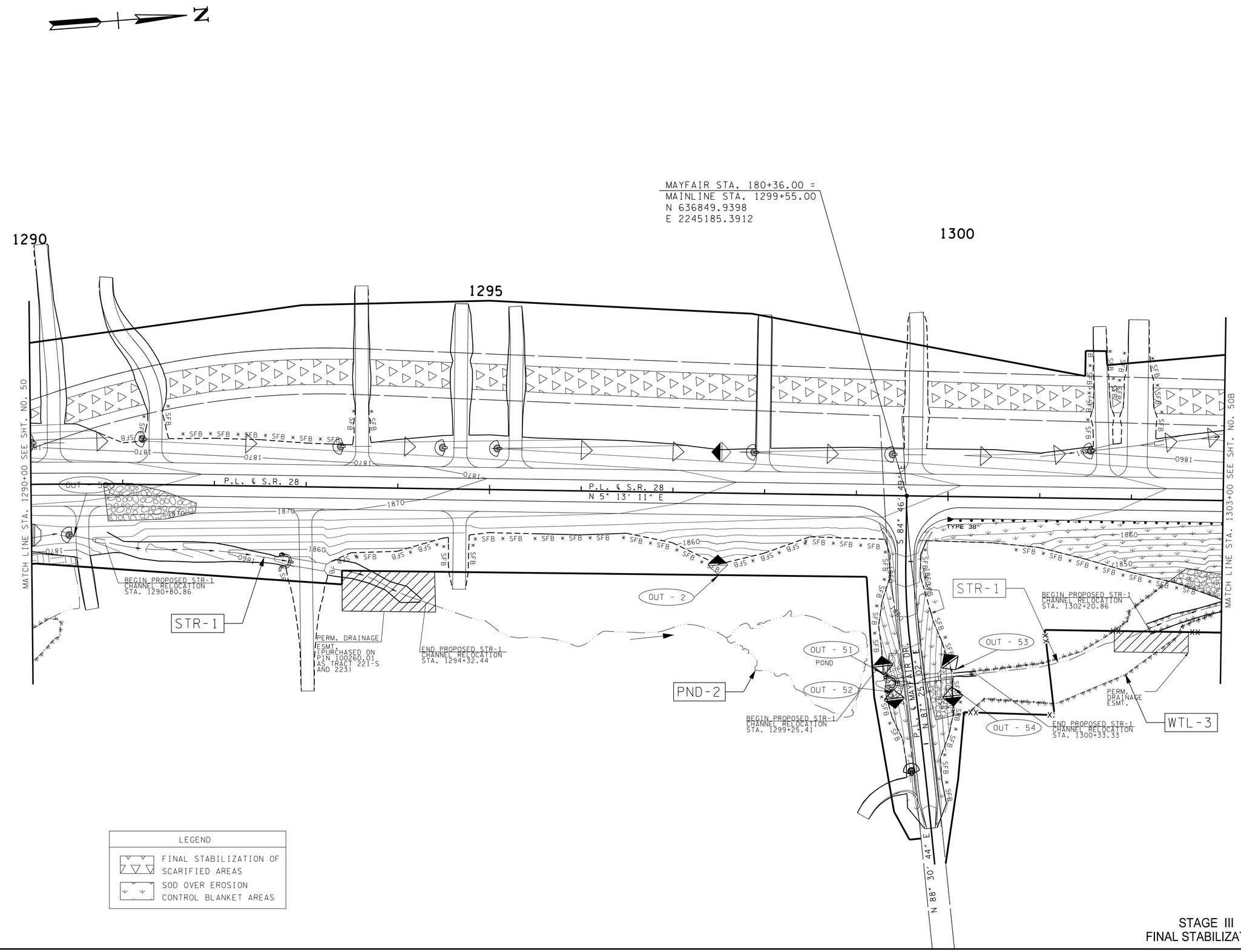
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	50A
PIH	2026	STP/NH/HPP-28(32)	50A
PS&E	2026	STP/NH/HPP-28(32)	50A



NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

STAGE 3
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
50	3.23 AC.	2.9%
2	1.18 AC.	6.2%
51	0.12 AC.	9.6%
52	2.33 AC.	3.7%
53	0.25 AC.	10.0%
54	0.28 AC.	9.1%

PROPOSED CONTOURS SHOWN

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
03.06.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE III
FINAL STABILIZATION

3/30/2026
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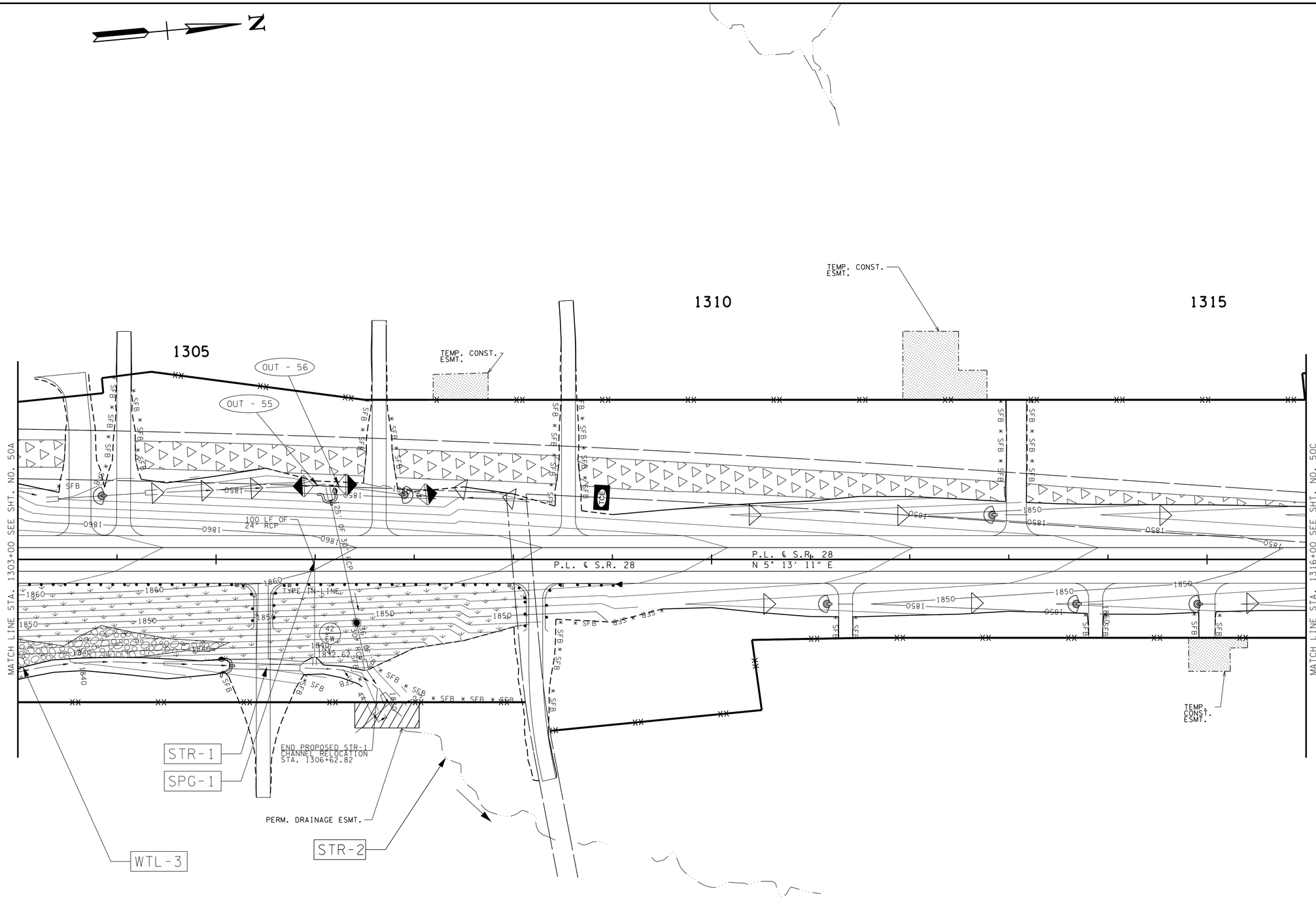
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	50B
PIH	2026	STP/NH/HPP-28(32)	50B
PS&E	2026	STP/NH/HPP-28(32)	50B



NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

STAGE 3
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
55	3.70 AC.	1.9%
56	0.71 AC.	5.2%

PROPOSED CONTOURS SHOWN

LEGEND

- FINAL STABILIZATION OF SCARIFIED AREAS
- SOD OVER EROSION CONTROL BLANKET AREAS

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
03.06.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE III
FINAL STABILIZATION

3/30/2026
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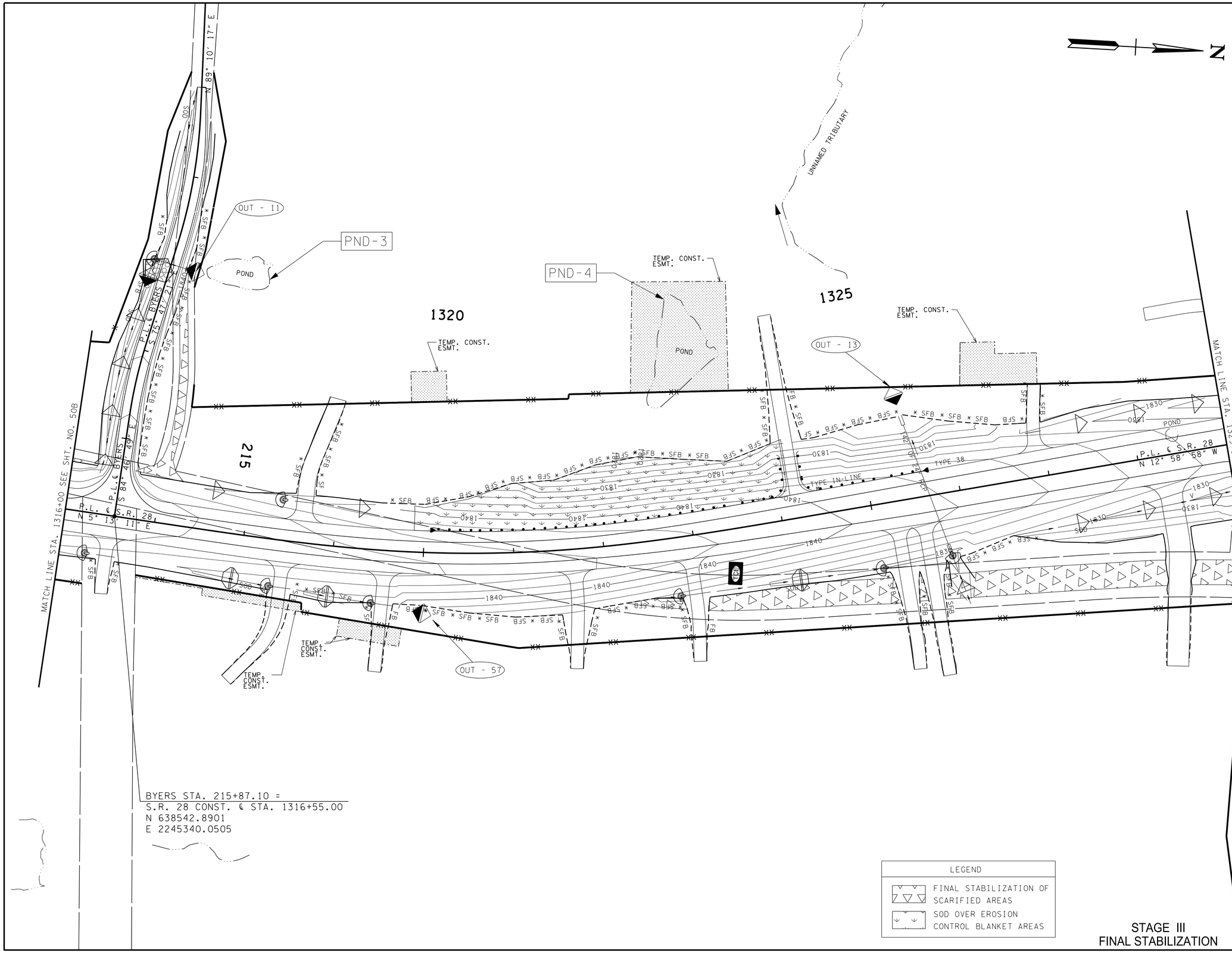
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	50C
PIH	2026	STP/NH/HPP-28(32)	50C
PS&E	2026	STP/NH/HPP-28(32)	50C



NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

STAGE 3
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
11	3.91 AC.	2.8%
57	1.72 AC.	1.7%
13	1.00 AC.	8.9%

PROPOSED CONTOURS SHOWN

LEGEND

- FINAL STABILIZATION OF SCARIFIED AREAS
- SOD OVER EROSION CONTROL BLANKET AREAS

STAGE III
FINAL STABILIZATION

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
03.06.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	50D
PIH	2026	STP/NH/HPP-28(32)	50D
PS&E	2026	STP/NH/HPP-28(32)	50D

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.

N

1330

230

1335

1340

RECTOR STA. 233+63.78 =
S.R. 28 CONST. ℄ STA. 1329+51.00
N 639818.9754
E 2245178.8082

P.I. ℄ RECTOR
S 88° 40' 13" E

OUT - 14

OUT - 15

TEMP. CONST. ESMT.

POND

PND-5

WTL-3A

TOP OF BANK

BEGIN STR-4 IMPACT STA. 1339+13.84

NO BUSINESS CREEK

OUT - 59

OUT - 60

OUT - 61

BEGIN BERM STA 1334+22.54

END BERM STA 1335+37.46

TYPE 38

P.I. ℄ S.R. 28
N 12° 58' 58" W

GABIONS

SOD

MATCH LINE STA. 1329+00 SEE SHT. NO. 50C

MATCH LINE STA. 1342+00 SEE SHT. NO. 50E

P.I. ℄ GOSS
N 77° 01' 02" E

P.I. ℄ GOSS
N 77° 01' 02" E

GOSS STA. 240+00.00 =
S.R. 28 CONST. ℄ STA. 1329+51.00
N 639818.9754
E 2245178.8082

OUT - 58

STR-4

OUT - 20

5

END STR-4 IMPACT STA. 1339+95.63

PERM. DRAINAGE EASEMENT

N 3° 38' 36" W

P.I. ℄ OLD S.R. 28
N 8° 25' 13" E

OUT - 16

TEMP. CONST. ESMT.

PERM. DRAINAGE EASEMENT

N 31° 02' 05" W

TEMP. CONST. ESMT.

P.I. ℄ OLD S.R. 28
S 85° 05' 52" E

TEMP. CONST. ESMT.

TEMP. CONST. ESMT.

OUT - 17

305

245

OLD S.R. 28 SOUTH STA. 300+00.00 =
GOSS STA. 242+05.00
N 639858.3600
E 2245379.7285

NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

STAGE 3 OUTFALL TABULATION

OUTFALL	AREA	SLOPE
14	0.81 AC.	6.4%
15	0.21 AC.	6.9%
16	0.63 AC.	3.5%
17	0.70 AC.	3.9%
58	4.23 AC.	14.1%
59	1.90 AC.	3.7%
60	2.29 AC.	2.1%
61	8.61 AC.	4.8%
20	4.29 AC.	3.7%

PROPOSED CONTOURS SHOWN

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
03.06.26
STATE OF TENNESSEE

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

LEGEND

FINAL STABILIZATION OF SCARIFIED AREAS

SOD OVER EROSION CONTROL BLANKET AREAS

STAGE III
FINAL STABILIZATION

3/30/2026
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S.R. 28:
PROPOSED LEFT ROADSIDE DITCH INCLUDING AREAS FROM ROW TO CENTERLINE FROM STA. 1344+60.00 TO STA. 1347+50.00 TO BE CONSTRUCTED IN THE DRY AND FINAL STABILIZED (INCLUDING CHECK DAM REMOVAL) FIRST DURING STAGE I AND USED FOR CLEAN RUN-ON DIVERSION

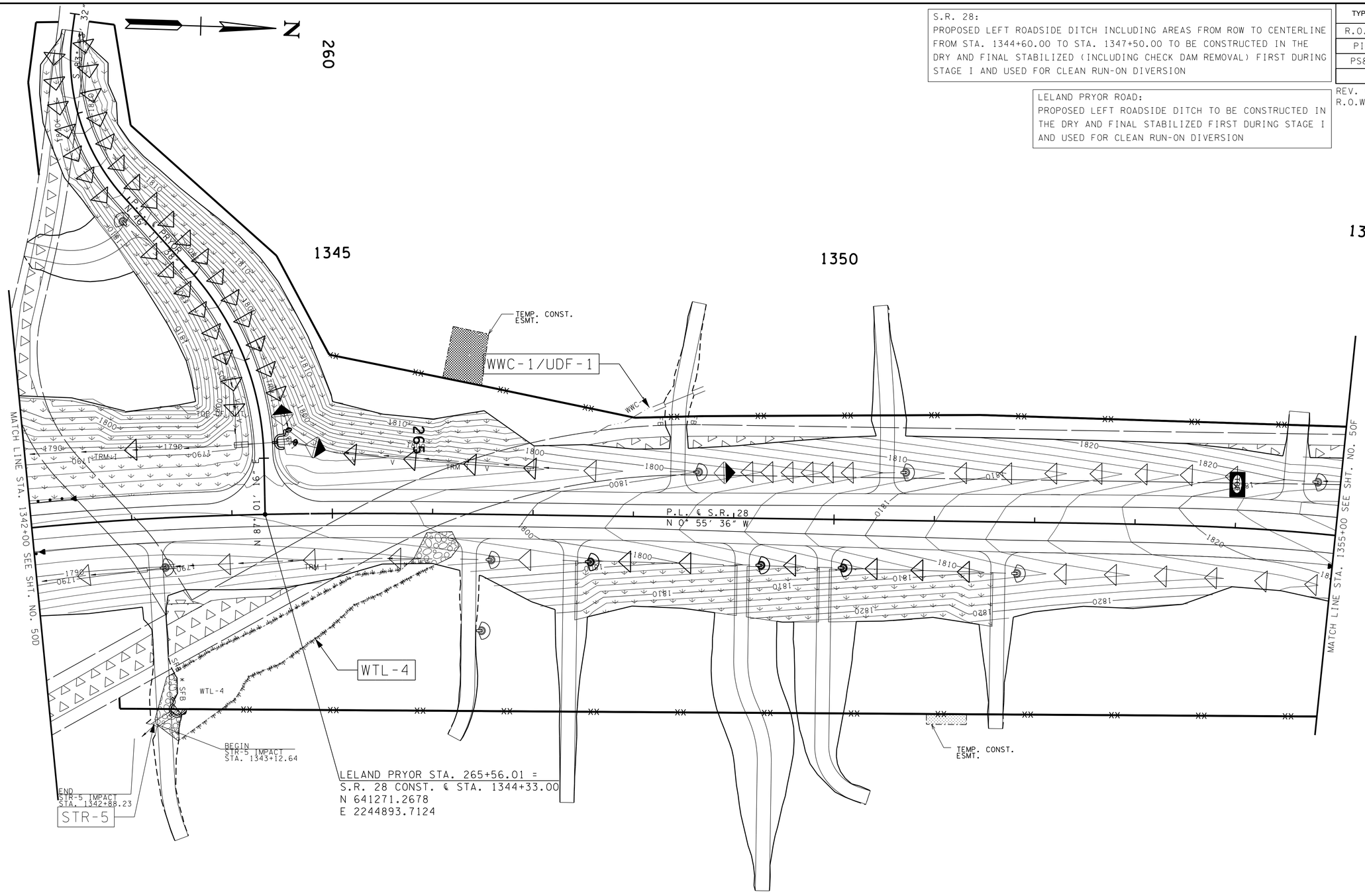
LELAND PRYOR ROAD:
PROPOSED LEFT ROADSIDE DITCH TO BE CONSTRUCTED IN THE DRY AND FINAL STABILIZED FIRST DURING STAGE I AND USED FOR CLEAN RUN-ON DIVERSION

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	50E
PIH	2026	STP/NH/HPP-28(32)	50E
PS&E	2026	STP/NH/HPP-28(32)	50E

REV. 01-11-22: UPDATED PROPOSED R.O.W. TO EXCLUDE TRACT 72A.

NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

PROPOSED CONTOURS SHOWN



LEGEND

- FINAL STABILIZATION OF SCARIFIED AREAS
- SOD OVER EROSION CONTROL BLANKET AREAS

STAGE III
FINAL STABILIZATION

SEALED BY

RICHARD R. HOLT
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03.06.26
COMMERCE
No. 104329
STATE OF TENNESSEE

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DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	50F
PIH	2026	STP/NH/HPP-28(32)	50F
PS&E	2026	STP/NH/HPP-28(32)	50F

N 275

1355

1360

1365

P.L. ℄ CLEARCREEK
S 84° 55' 40" E

P.L. ℄ S.R. 28
N 6° 55' 21" E

P.L. ℄ S.R. 28
N 0° 55' 36" W

S 84° 11' 52" E

WTL-6

WTL-5

STR-6

OUT - 27

OUT - 62

OUT - 63

END PROPOSED STR-6
CHANNEL RELOCATION
STA. 1360+32.14

BEGIN PROPOSED STR-6
CHANNEL RELOCATION
STA. 1360+42.01

INV. 1814.01

TYPE IN-LINE

TOE OF FILL

TEMP. CONST. ESMT.

UNNAMED TRIBUTARY

MATCH LINE STA. 1355+00 SEE SHT. NO. 50E

MATCH LINE STA. 1367+50 SEE SHT. NO. 50G

CLEARCREEK STA. 278+84.79 =
S.R. 28 CONST. ℄ STA. 1355+80.00
N 642417.6422
E 2244888.5095

UNNAMED TRIBUTARY

NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

STAGE 3 OUTFALL TABULATION

OUTFALL	AREA	SLOPE
62	0.68 AC.	8.1%
27	8.81 AC.	4.0%
63	2.13 AC.	4.1%

PROPOSED CONTOURS SHOWN

LEGEND

- FINAL STABILIZATION OF SCARIFIED AREAS
- SOD OVER EROSION CONTROL BLANKET AREAS

STAGE III
FINAL STABILIZATION

SEALED BY

RICHARD R. HOLT
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03.06.26
STATE OF TENNESSEE

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DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

3/30/2026
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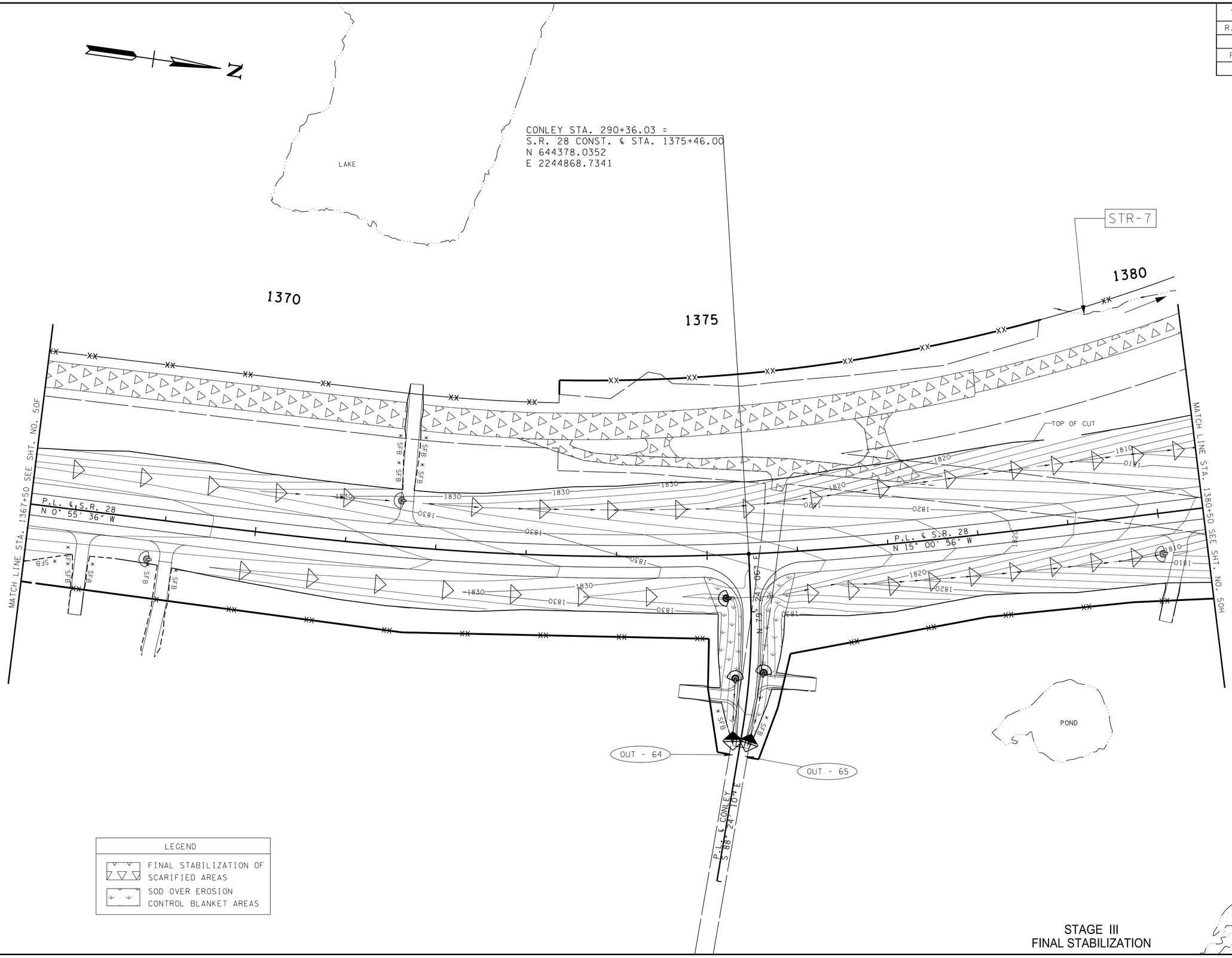
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	50G
PIH	2026	STP/NH/HPP-28(32)	50G
PS&E	2026	STP/NH/HPP-28(32)	50G



NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

STAGE 3
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
64	0.04 AC.	4.1%
65	0.04 AC.	5.0%

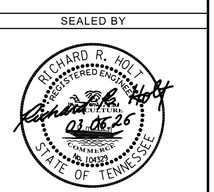
PROPOSED CONTOURS SHOWN

LEGEND

- FINAL STABILIZATION OF SCARIFIED AREAS
- SOD OVER EROSION CONTROL BLANKET AREAS

STAGE III
FINAL STABILIZATION

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 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

SCALE: 1"= 50'

3/30/2026
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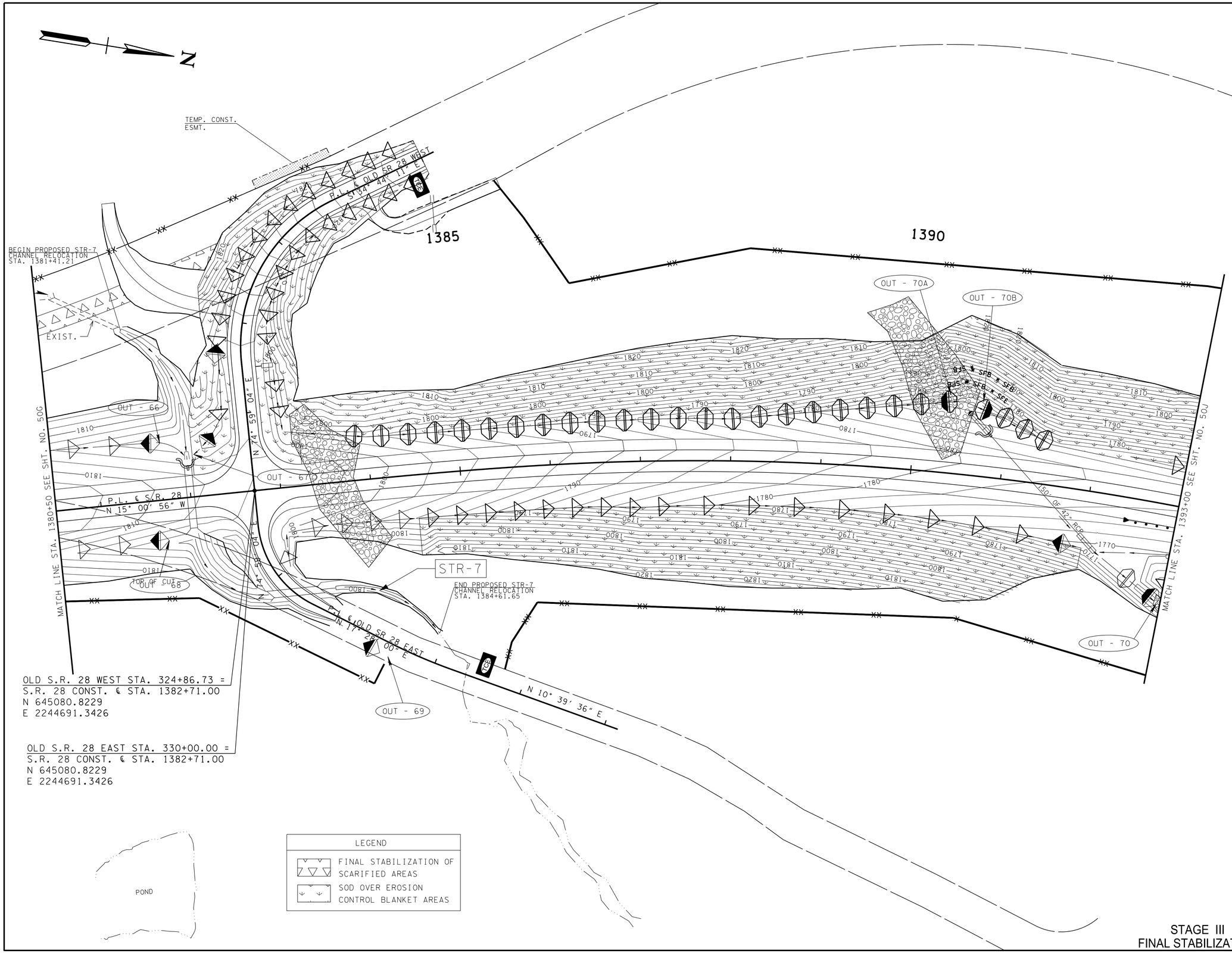
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	50H
PIH	2026	STP/NH/HPP-28(32)	50H
PS&E	2026	STP/NH/HPP-28(32)	50H

REV. 01-11-22: ADDED PVT. DR. LT 320+87.78 OLD S.R. 28 WEST. UPDATED PROP. R.O.W. TO ACQUIRE TRACT 100.



NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

STAGE 3
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
66	6.02 AC.	2.2%
67	1.57 AC.	5.0%
68	1.03 AC.	2.2%
69	5.22 AC.	4.2%
70	5.47 AC.	3.4%
70A	7.10 AC.	15.4%
70B	0.21 AC.	8.9%

PROPOSED CONTOURS SHOWN

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
CULTURE
COMMERCE
No. 104329
STATE OF TENNESSEE
03.06.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 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

SCALE: 1"= 50'

STAGE III
FINAL STABILIZATION

3/30/2026
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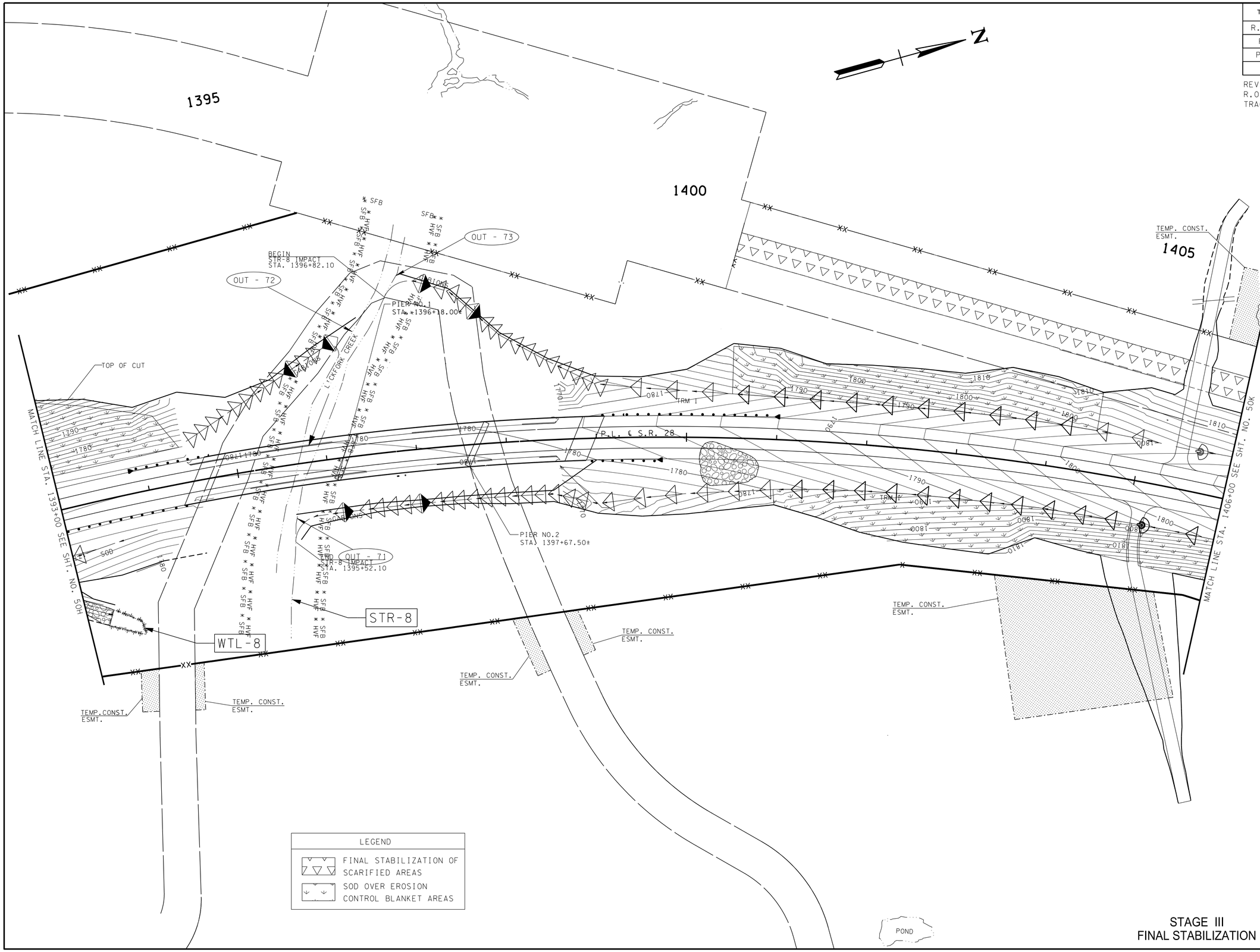
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	50J
PIH	2026	STP/NH/HPP-28(32)	50J
PS&E	2026	STP/NH/HPP-28(32)	50J

REV. 01-11-22: UPDATED EXISTING R.O.W FOR OLD S.R. 28 NEAR TRACTS 107 & 109.



NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

STAGE 3 OUTFALL TABULATION

OUTFALL	AREA	SLOPE
71	6.35 AC.	28.4%
72	2.05 AC.	26.7%
73	7.02 AC.	30.6%

PROPOSED CONTOURS SHOWN

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
03.06.26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE III
FINAL STABILIZATION

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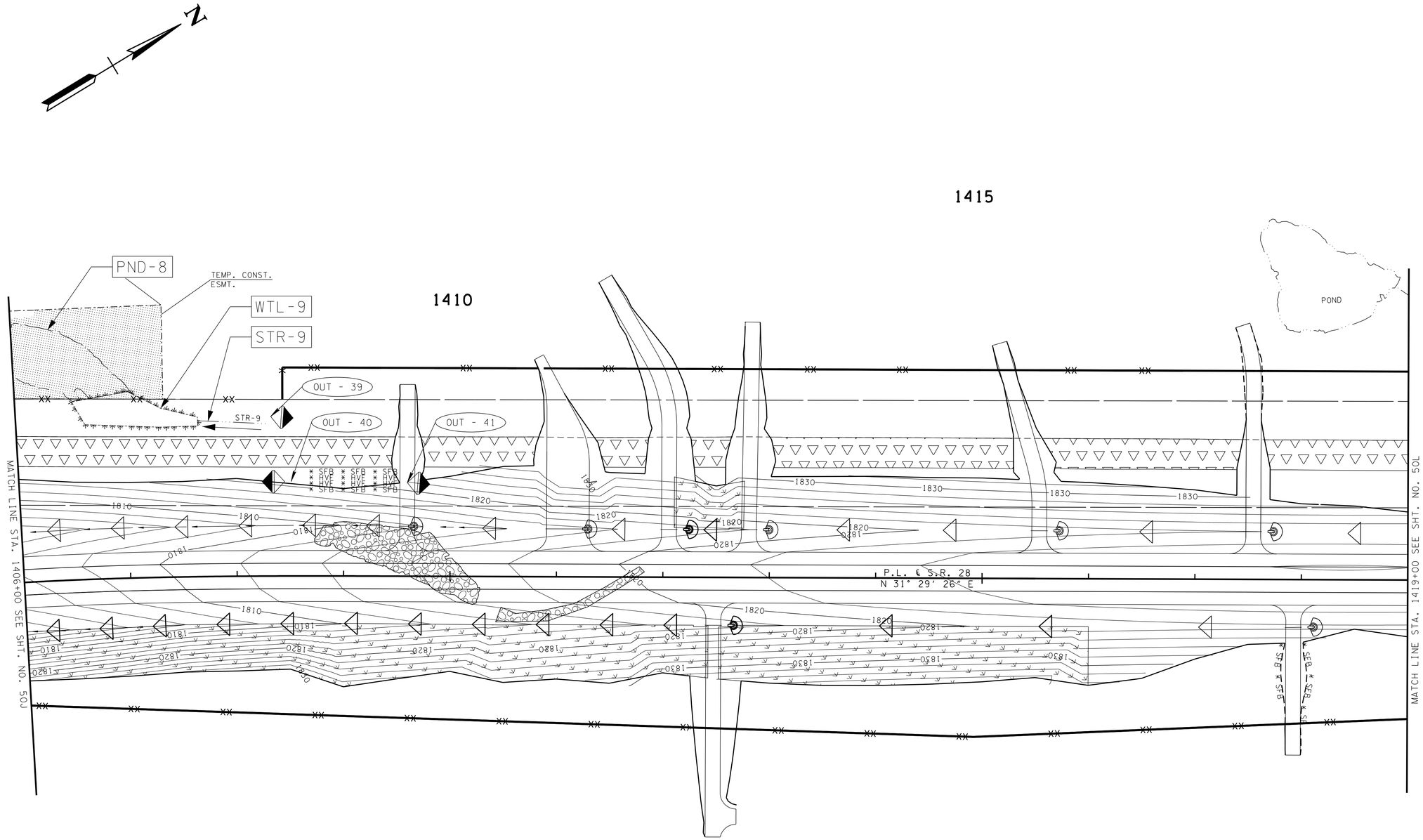
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	50K
PIH	2026	STP/NH/HPP-28(32)	50K
PS&E	2026	STP/NH/HPP-28(32)	50K



STAGE 3 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
39	2.67 AC.	3.2%
40	0.98 AC.	3.2%
41	2.81 AC.	2.3%

NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

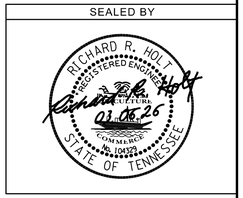
PROPOSED CONTOURS SHOWN

LEGEND

- FINAL STABILIZATION OF SCARIFIED AREAS
- SOD OVER EROSION CONTROL BLANKET AREAS

STAGE III
FINAL STABILIZATION

SEALED BY



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

3/30/2026
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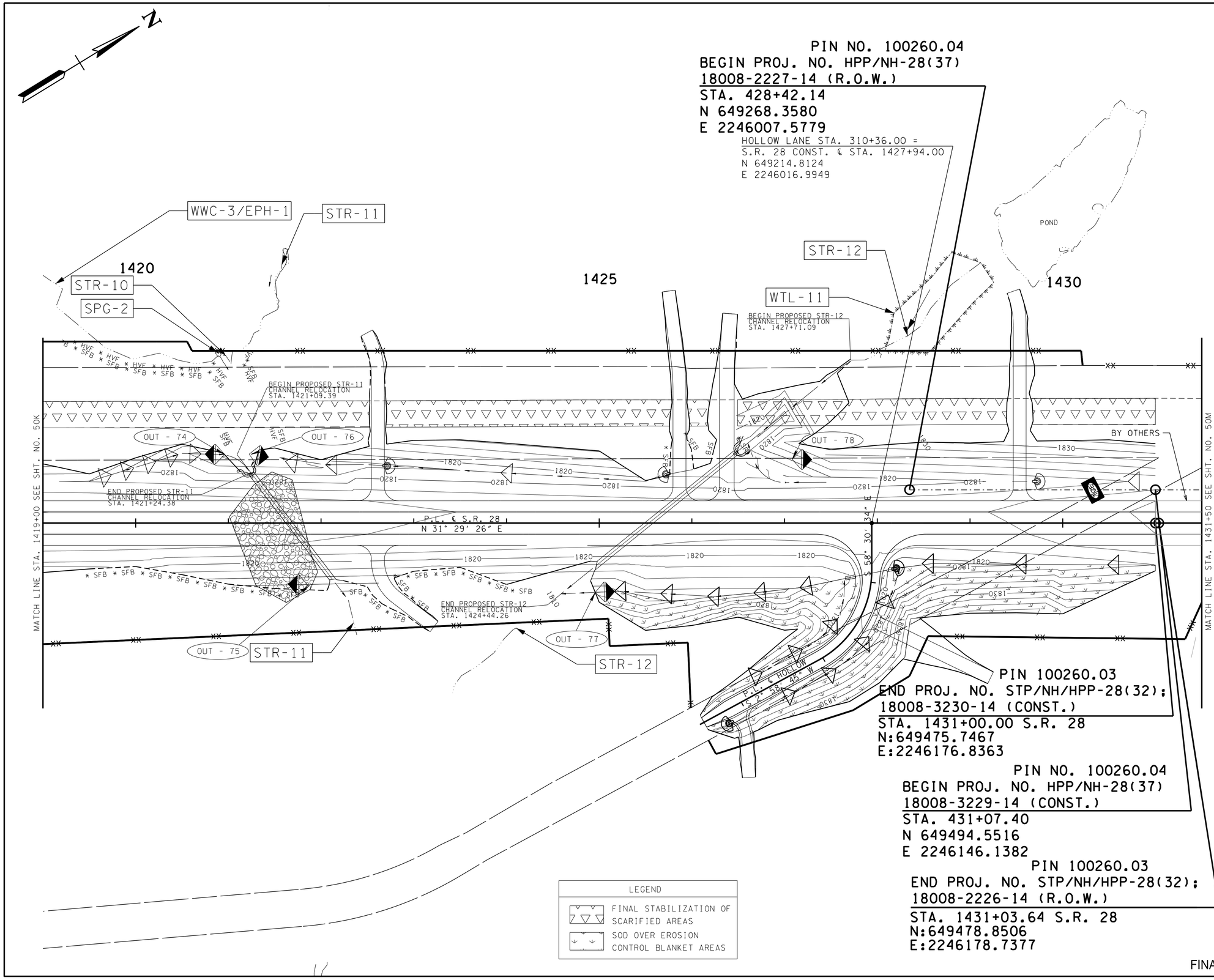
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	50L
PIH	2026	STP/NH/HPP-28(32)	50L
PS&E	2026	STP/NH/HPP-28(32)	50L

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-2227-14 (R.O.W.)
STA. 428+42.14
N 649268.3580
E 2246007.5779

HOLLOW LANE STA. 310+36.00 =
S.R. 28 CONST. ℄ STA. 1427+94.00
N 649214.8124
E 2246016.9949



PIN 100260.03
END PROJ. NO. STP/NH/HPP-28(32);
18008-3230-14 (CONST.)
STA. 1431+00.00 S.R. 28
N:649475.7467
E:2246176.8363

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-3229-14 (CONST.)
STA. 431+07.40
N 649494.5516
E 2246146.1382

PIN 100260.03
END PROJ. NO. STP/NH/HPP-28(32);
18008-2226-14 (R.O.W.)
STA. 1431+03.64 S.R. 28
N:649478.8506
E:2246178.7377

LEGEND

FINAL STABILIZATION OF SCARIFIED AREAS

SOD OVER EROSION CONTROL BLANKET AREAS

NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

STAGE 3
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
74	0.83 AC.	5.4%
75	0.66 AC.	3.3%
76	1.03 AC.	2.5%
77	1.55 AC.	2.7%
78	1.51 AC.	2.3%

PROPOSED CONTOURS SHOWN

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
06.02.26
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 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

SCALE: 1"= 50'

STAGE III
FINAL STABILIZATION

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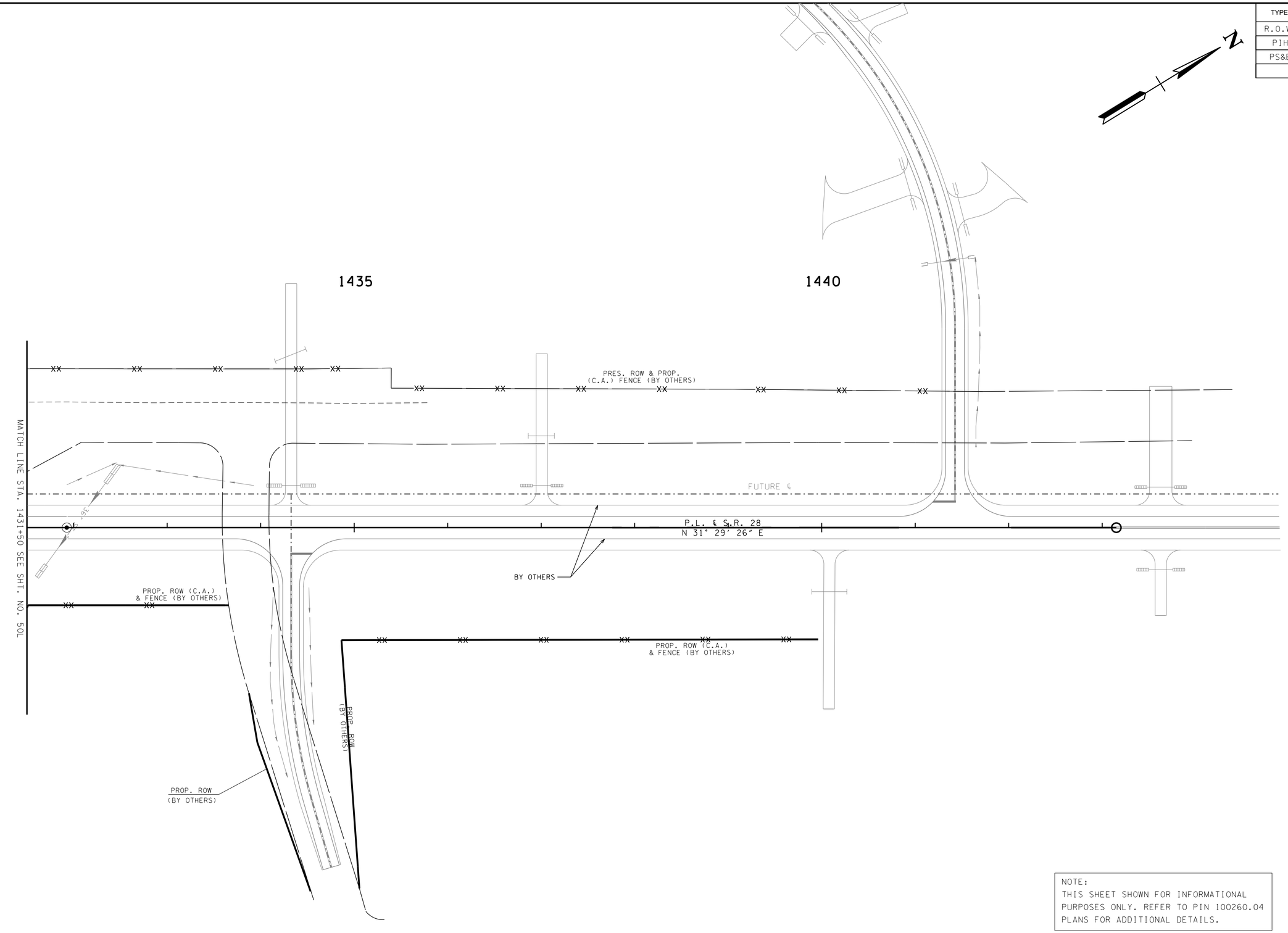
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	50M
PIH	2026	STP/NH/HPP-28(32)	50M
PS&E	2026	STP/NH/HPP-28(32)	50M



NOTE:
THIS SHEET SHOWN FOR INFORMATIONAL PURPOSES ONLY. REFER TO PIN 100260.04 PLANS FOR ADDITIONAL DETAILS.

STAGE III
FINAL STABILIZATION

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
No. 104329
STATE OF TENNESSEE
06.02.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

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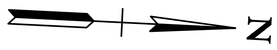
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	51
PS&E	2026	STP/NH/HPP-28(32)	51

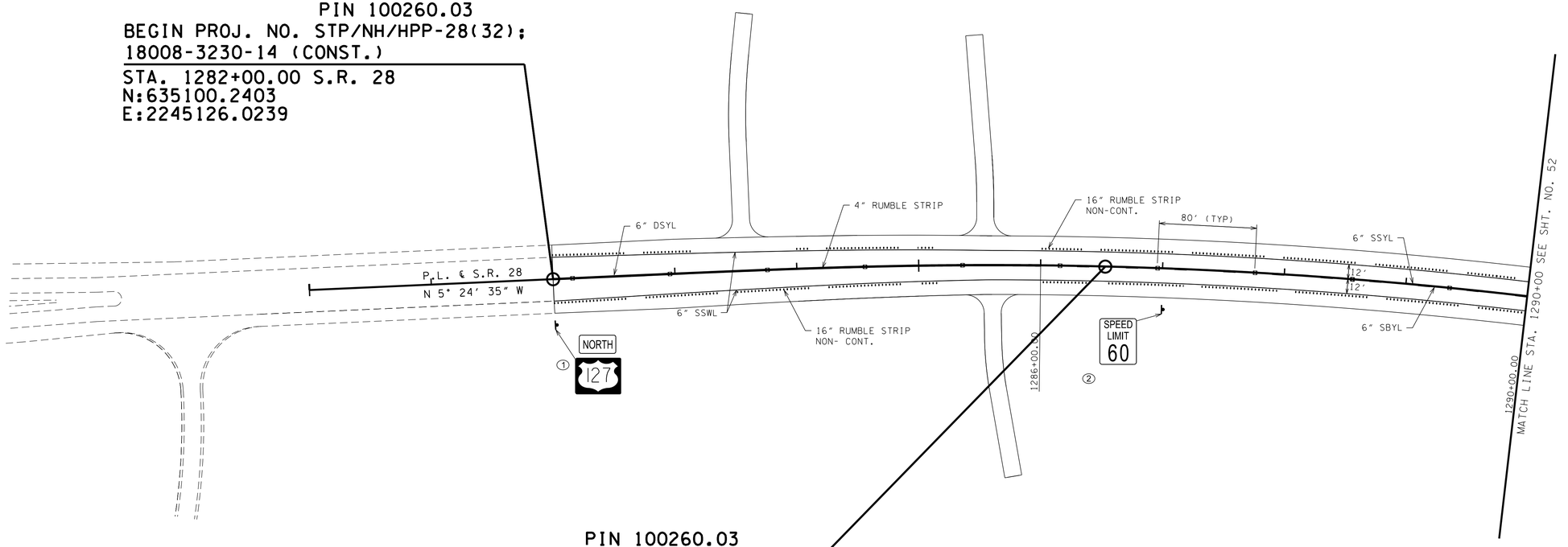


1280

1285

1290

PIN 100260.03
BEGIN PROJ. NO. STP/NH/HPP-28(32);
18008-3230-14 (CONST.)
STA. 1282+00.00 S.R. 28
N:635100.2403
E:2245126.0239



PIN 100260.03
BEGIN PROJ. NO. STP/NH/HPP-28(32);
18008-2226-14 (R.O.W.)
STA. 1286+53.01 S.R. 28
N:635551.9504
E:2245093.2012

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 1282+00 TO STA. 1290+00

SCALE: 1"= 50'

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	52
PS&E	2026	STP/NH/HPP-28(32)	52

N

MAYFAIR STA. 180+36.00 =
MAINLINE STA. 1299+55.00
N 636849.9398
E 2245185.3912

1295

1300

MATCH LINE STA. 1290+00 SEE SHT. NO. 51

MATCH LINE STA. 1303+00 SEE SHT. NO. 53

6" SSWL

6" SBYL

16" RUMBLE STRIP
NON-CONT.

P.L. & S.R. 28
N 5° 13' 11" E

12'

12'

6" SSWL

16" RUMBLE STRIP
NON-CONT.

3

S 84° 46' 49" E

STOP 4

80' (TYP)

24" STOP BAR

4" SSWL

4" SSWL

4" DSYL

5

P.L. & MAYFAIR DR.
N 87° 25' 02" E

2 LANES AT 9'

N 88° 30' 44" E

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
COMMISSION
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 1290+00 TO STA. 1303+00

SCALE: 1"= 50'

3/30/2026
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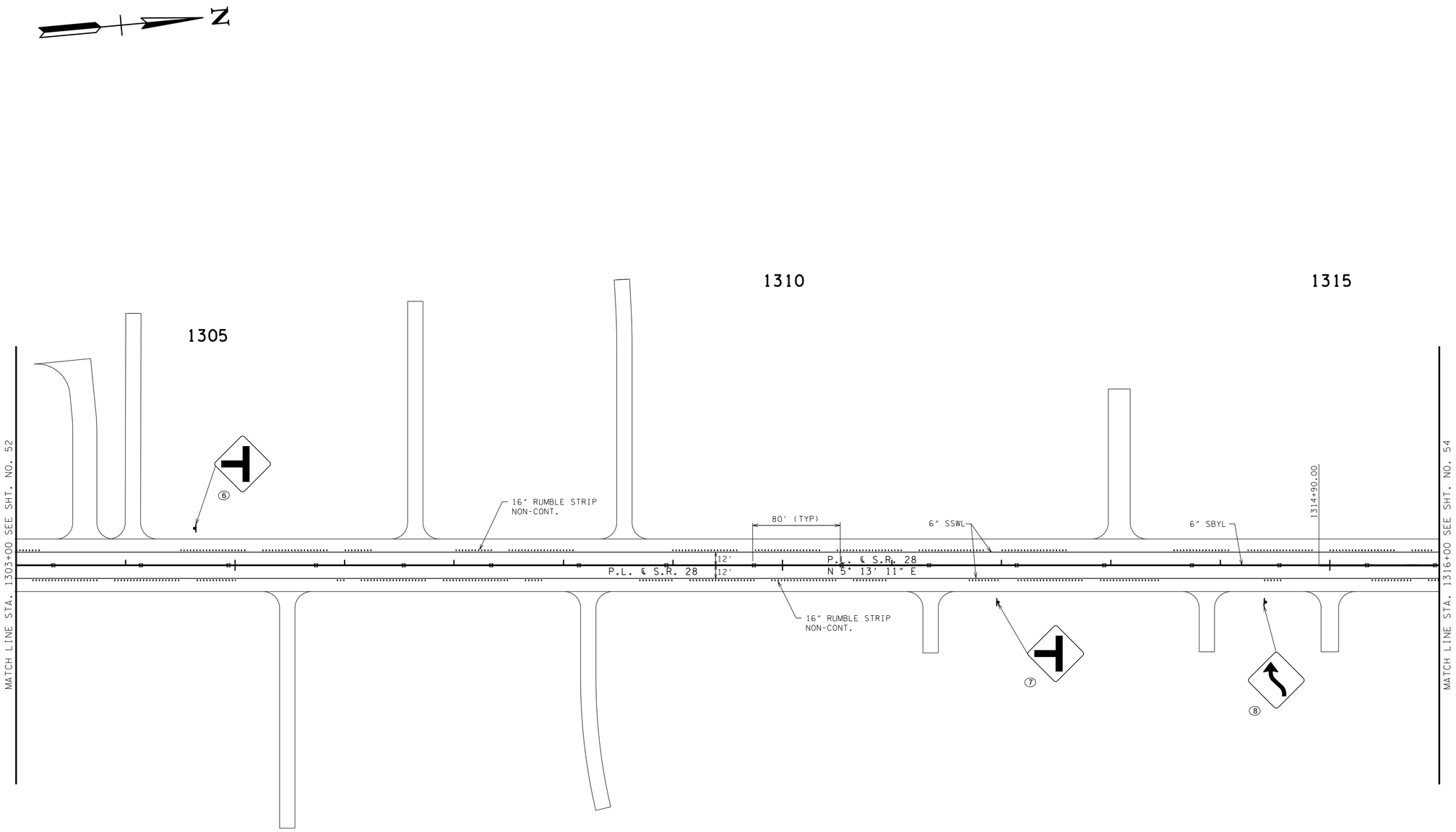
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	53
PS&E	2026	STP/NH/HPP-28(32)	53



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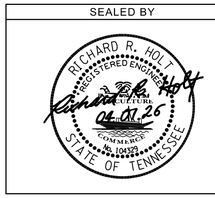

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 1303+00 TO STA. 1316+00

SCALE: 1"= 50'

3/30/2026
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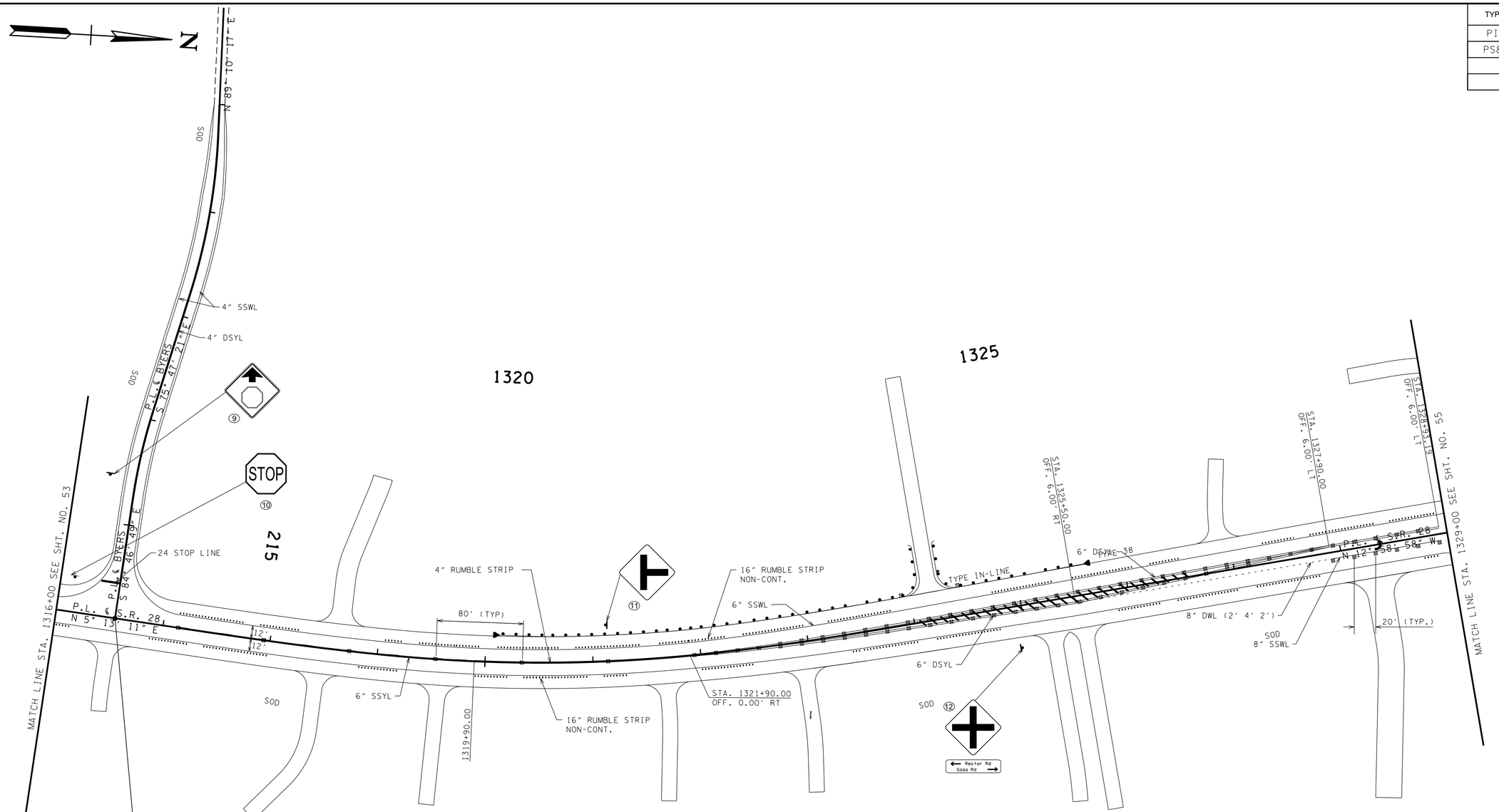
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	54
PS&E	2026	STP/NH/HPP-28(32)	54



BYERS STA. 215+87.10 =
S.R. 28 CONST. ℄ STA. 1316+55.00
N 638542.8901
E 2245340.0505

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 1316+00 TO STA. 1329+00

SCALE: 1"= 50'

3/30/2026
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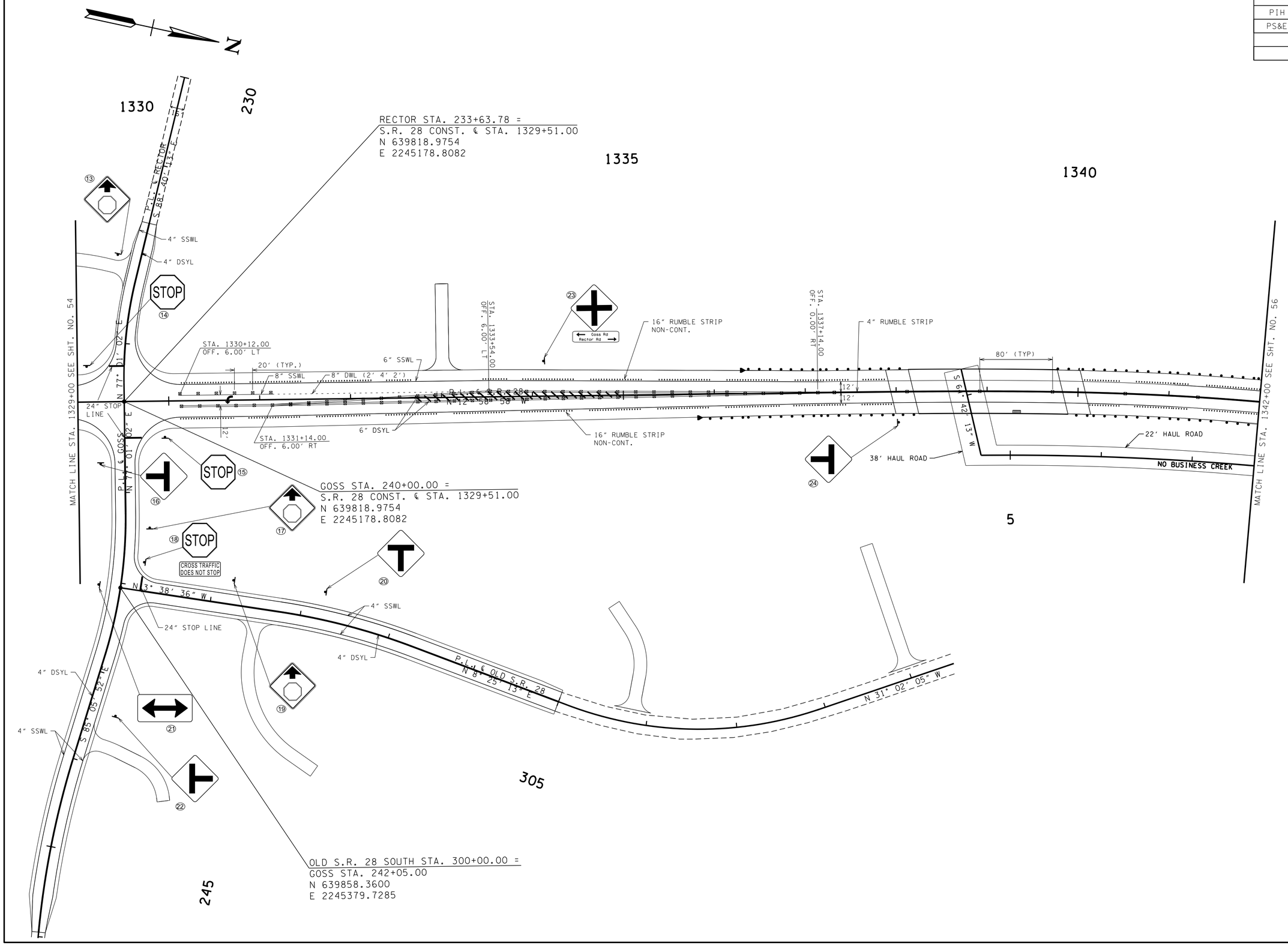
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	55
PS&E	2026	STP/NH/HPP-28(32)	55



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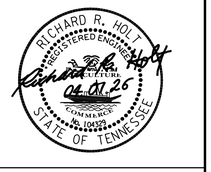

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 1329+00 TO STA. 1342+00

SCALE: 1"= 50'

3/30/2026
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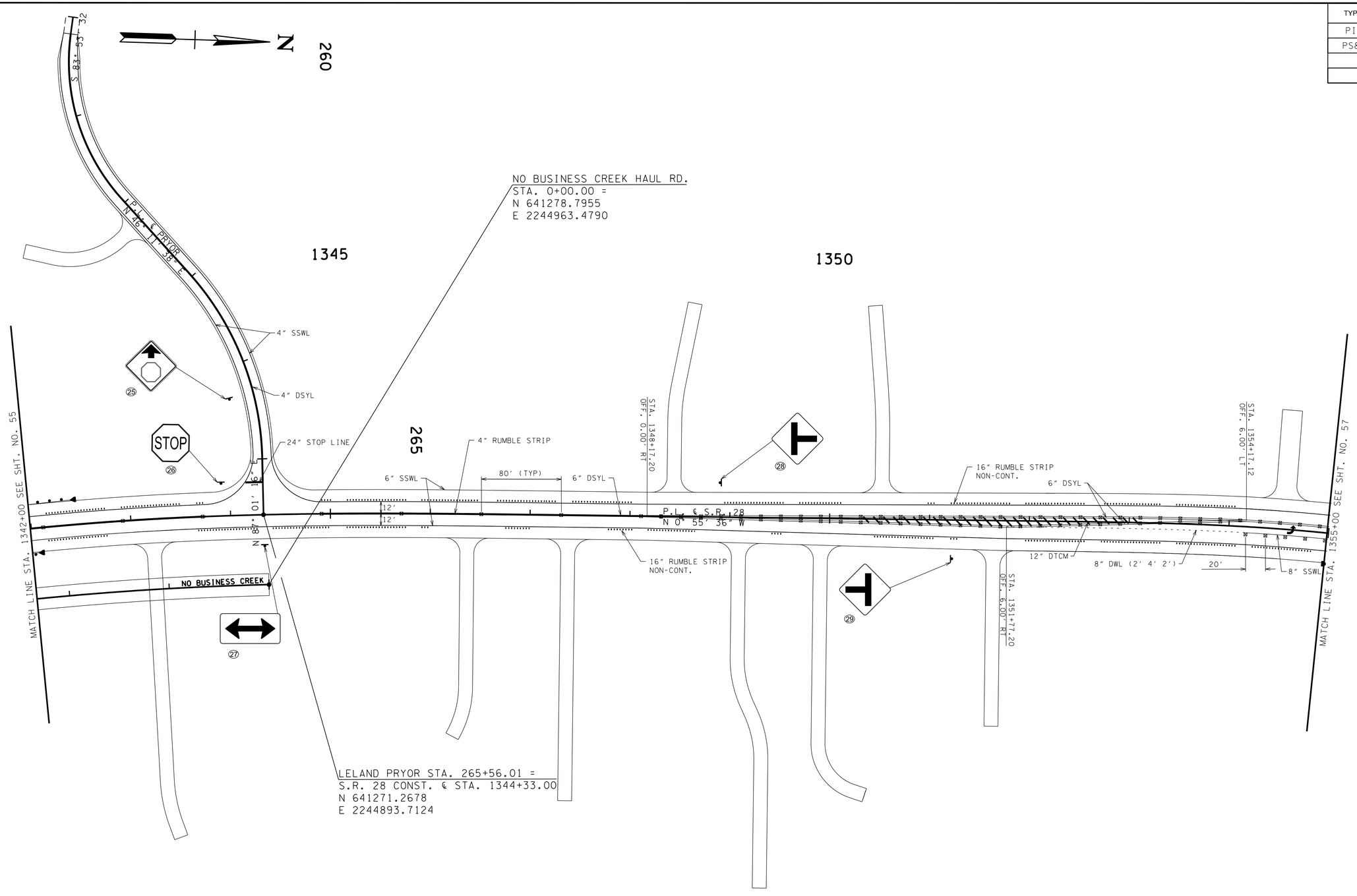
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	56
PS&E	2026	STP/NH/HPP-28(32)	56



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 1342+00 TO STA. 1355+00

SCALE: 1"= 50'

3/30/2026
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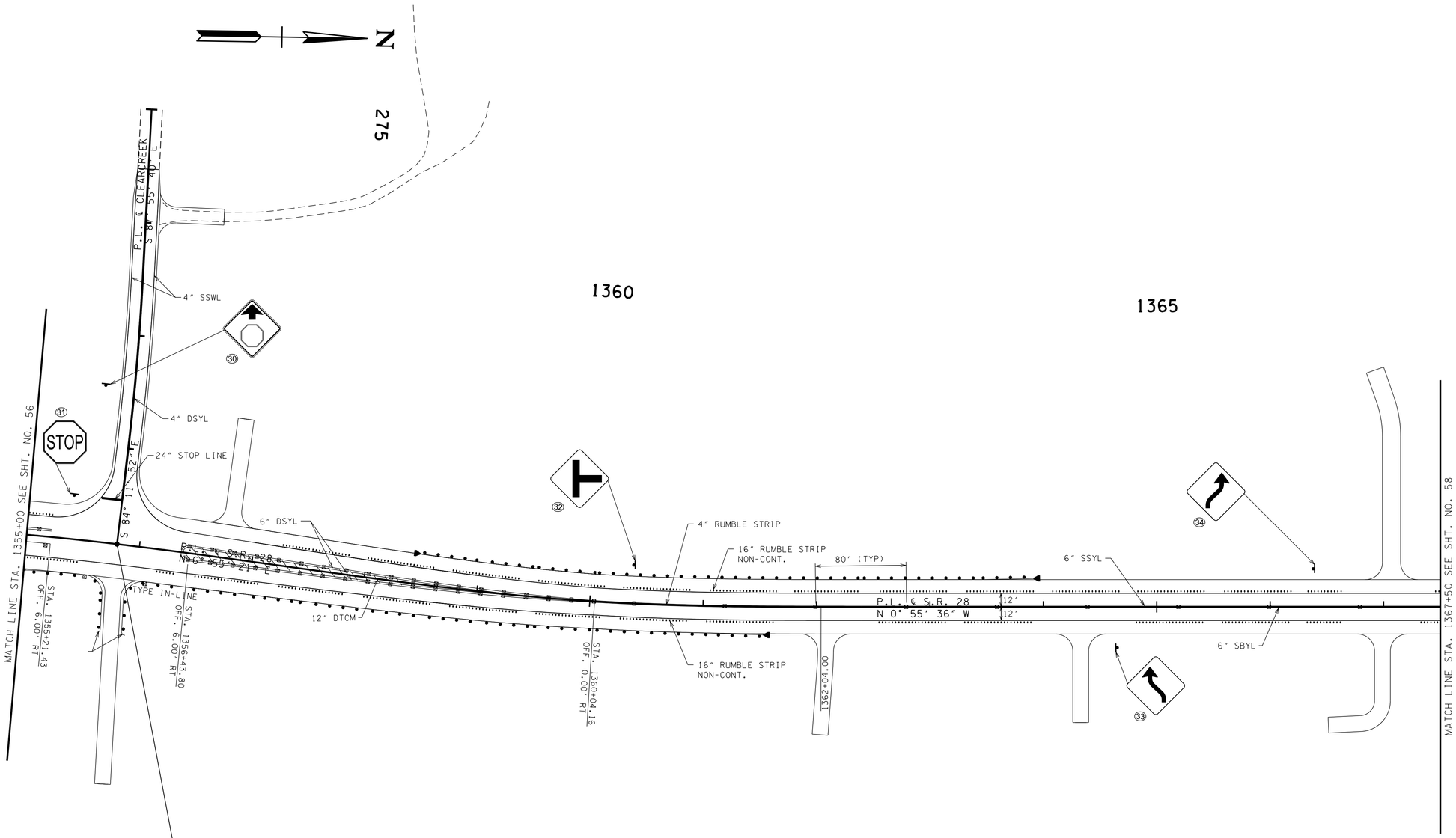
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	57
PS&E	2026	STP/NH/HPP-28(32)	57



SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
SIGNATURE
04.07.26
COMMENCE
No. 104329
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 1355+00 TO STA. 1367+50

SCALE: 1"= 50'

3/30/2026
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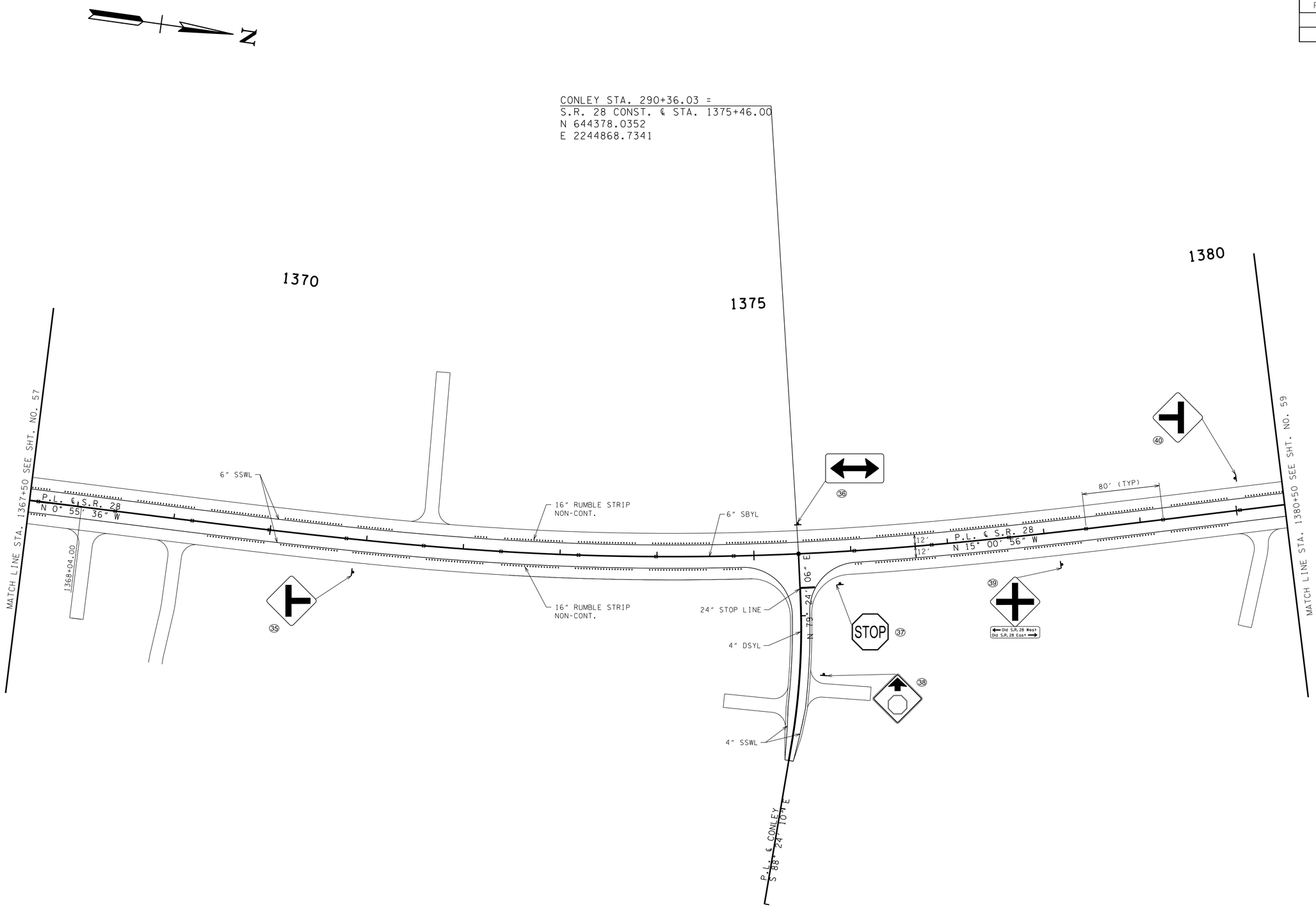
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	58
PS&E	2026	STP/NH/HPP-28(32)	58



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RICHARD R. HOLT
REGISTERED ENGINEER
LICENSE NO. 104329
STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 1367+50 TO STA. 1380+50

SCALE: 1"= 50'

3/30/2026
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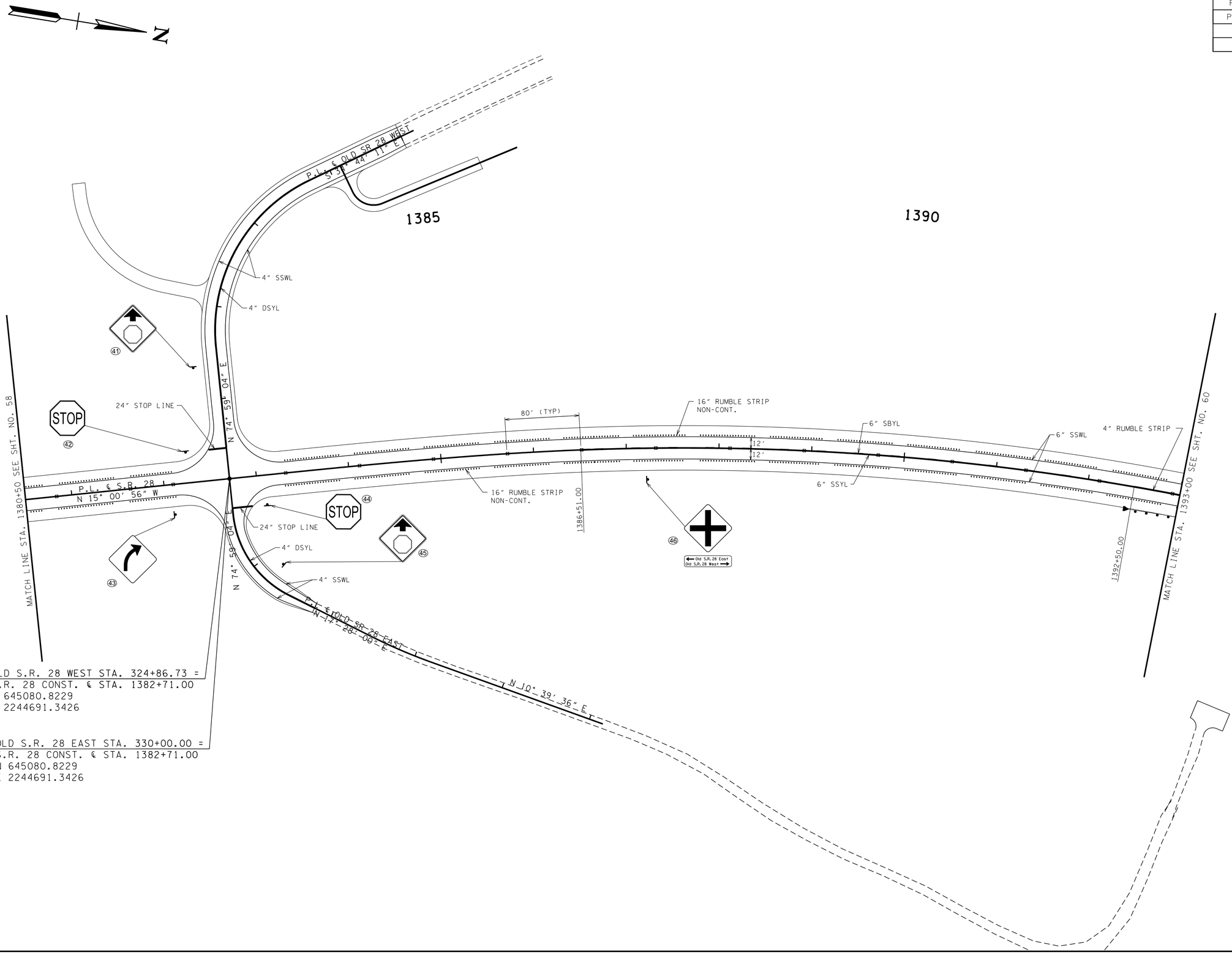
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	59
PS&E	2026	STP/NH/HPP-28(32)	59



OLD S.R. 28 WEST STA. 324+86.73 =
S.R. 28 CONST. ℄ STA. 1382+71.00
N 645080.8229
E 2244691.3426

OLD S.R. 28 EAST STA. 330+00.00 =
S.R. 28 CONST. ℄ STA. 1382+71.00
N 645080.8229
E 2244691.3426

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RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 1380+50 TO STA. 1393+00

SCALE: 1"= 50'

3/30/2026
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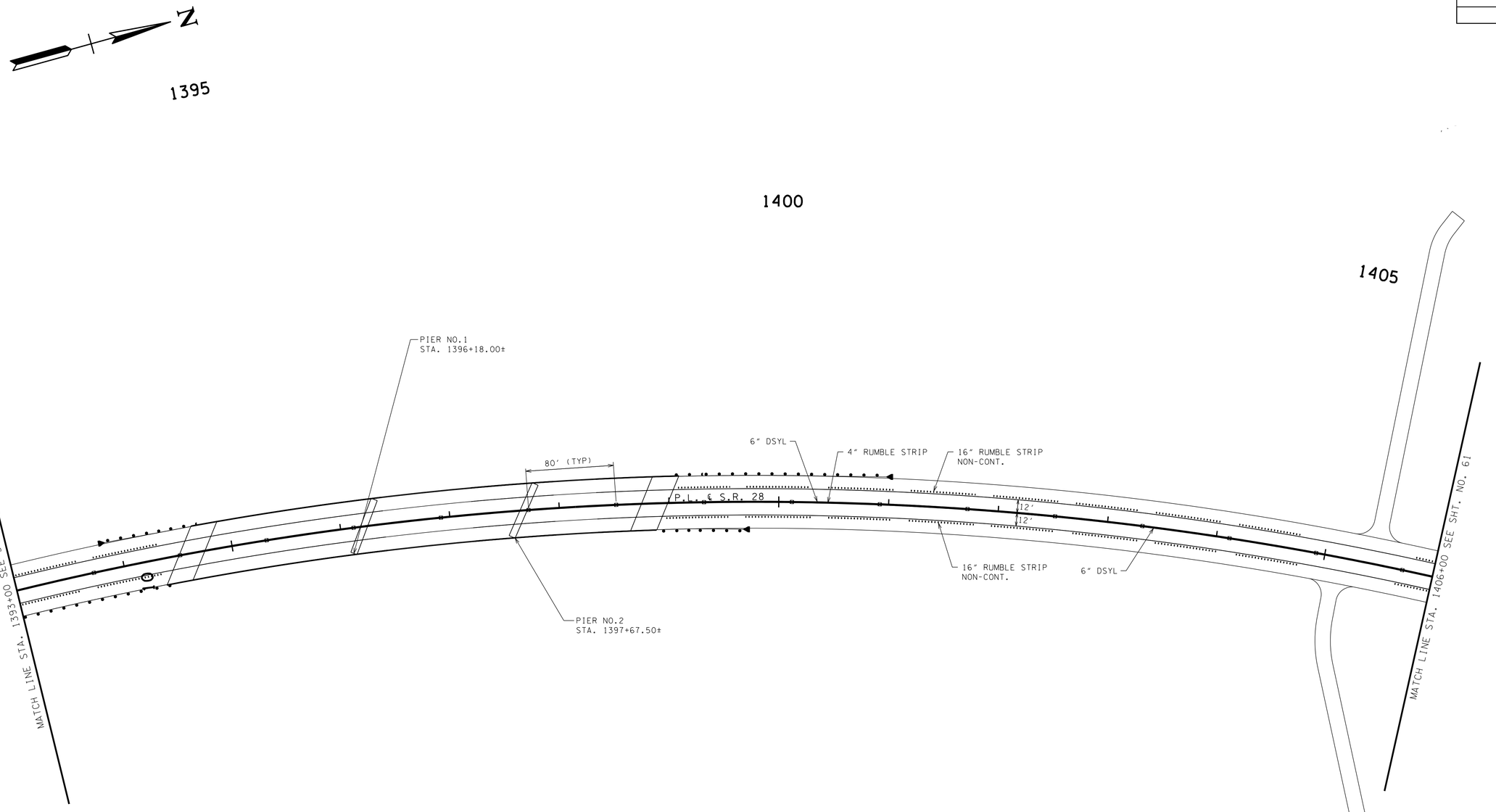
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	60
PS&E	2026	STP/NH/HPP-28(32)	60



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 1393+00 TO STA. 1406+00

SCALE: 1"= 50'

3/30/2026
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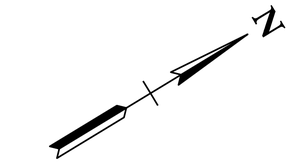
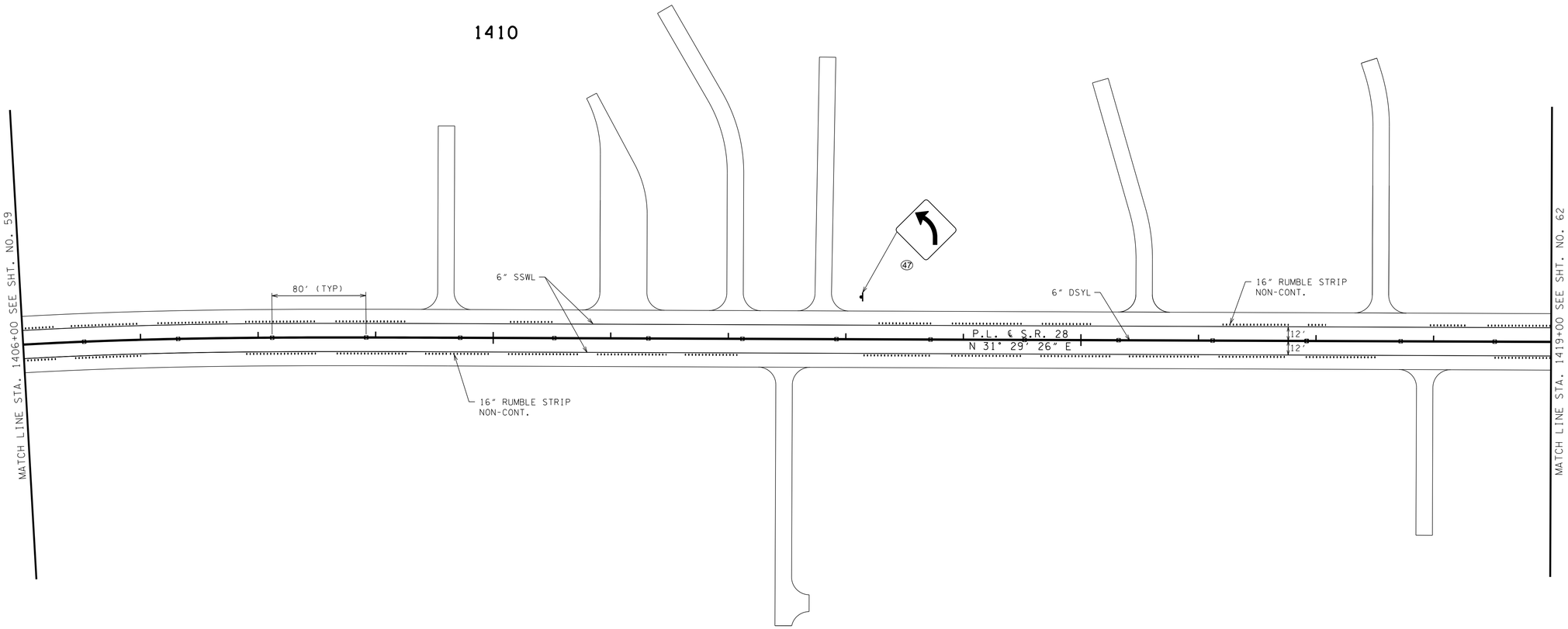
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	61
PS&E	2026	STP/NH/HPP-28(32)	61



1415

1410



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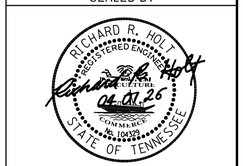

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 1406+00 TO STA. 1419+00

SCALE: 1"= 50'

3/30/2026
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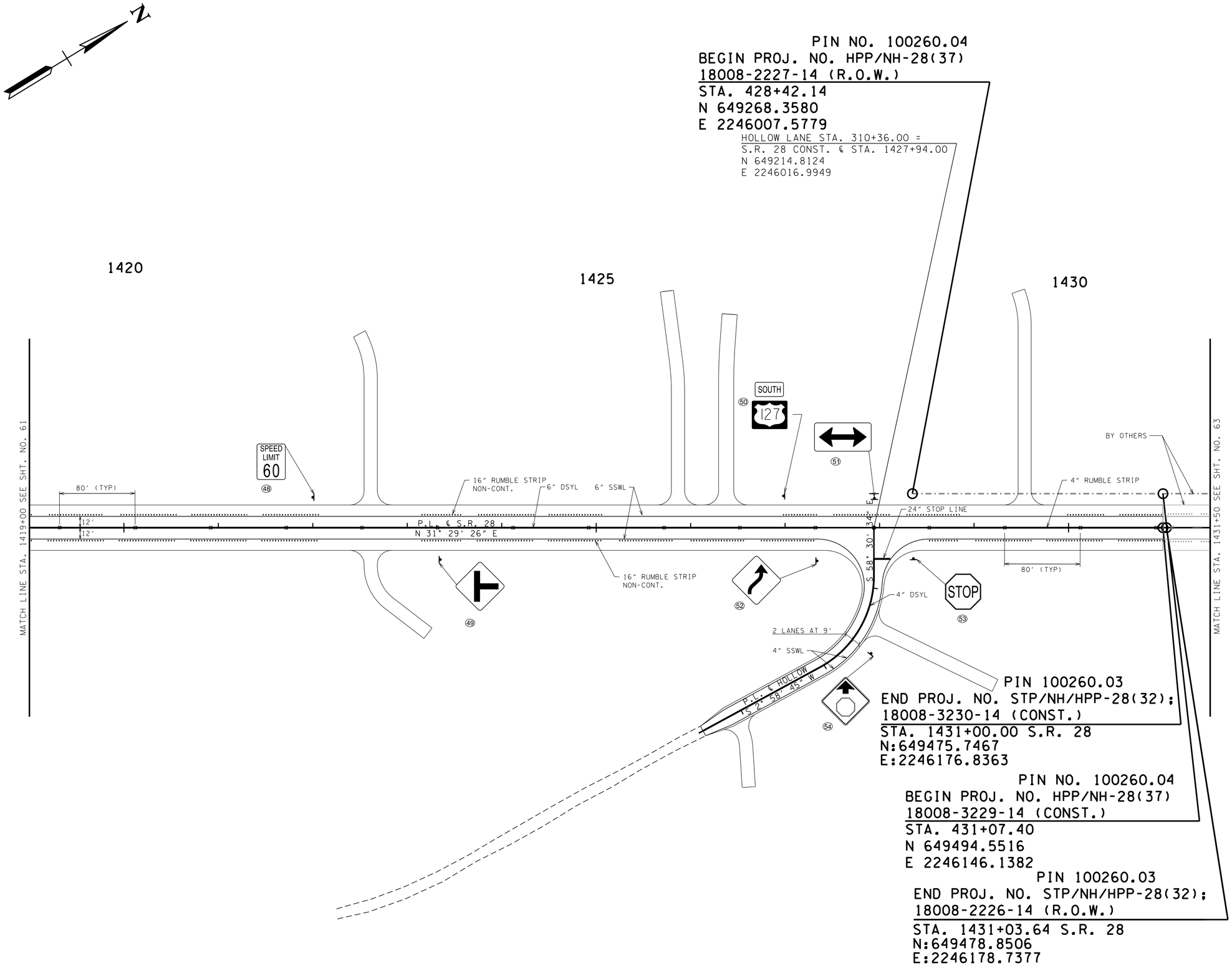
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	62
PS&E	2026	STP/NH/HPP-28(32)	62



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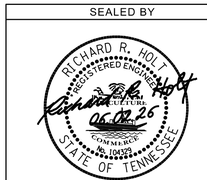

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 1419+00 TO STA. 1431+50

SCALE: 1"= 50'

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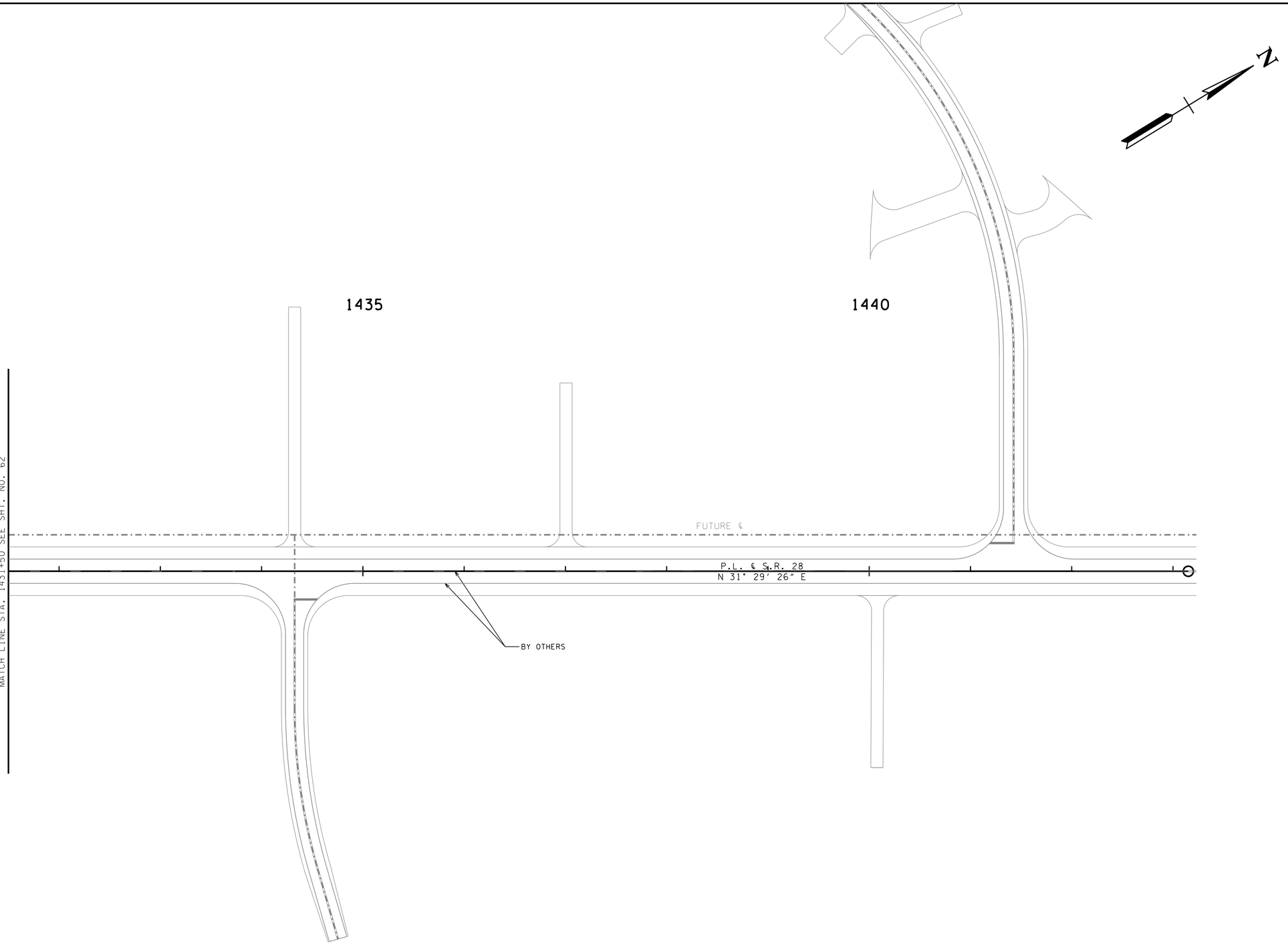
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	63
PS&E	2026	STP/NH/HPP-28(32)	63
_____	__	_____	___
_____	__	_____	___



NOTE:
THIS SHEET SHOWN FOR INFORMATIONAL PURPOSES ONLY. REFER TO PIN 100260.04 PLANS FOR ADDITIONAL DETAILS.

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
06.02.26
COMMERCE
No. 104329
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 1431+50 TO STA. 1443+15

SCALE: 1"= 50'

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

SEE STD. DWG. NO. T-S-19

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	NORTH / 127 M3-1 M1-4	51	24" 30"	12" 24"									BLACK	WHITE (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-3"				5'0"	REQUIRES P POST SLIP BASE
2	SPEED LIMIT 60 R2-1	51	30"	36"									BLACK	WHITE (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-0"				5'0"	REQUIRES P POST SLIP BASE
48		62																			
3	W2-2R	52	36"	36"									BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-0"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.) REQUIRES P POST SLIP BASE
11		54																			
28		56																			
32		57																			
35		58																			
49		62																			
22		55																			REFLECTIVE STRIP (YELLOW) (FLOUR.)
4	STOP R1-1	52	36"	36"									WHITE (REF.)	RED (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-0"				5'0"	REFLECTIVE STRIP (RED) (FLOUR.) REQUIRES P POST SLIP BASE
10		54																			
14		55																			
15		55																			
26		56																			
31		57																			
37		58																			
42		59																			
44		59																			
53		62																			
5	W3-1	52	36"	36"									BLACK RED (REF.)	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-0"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.)
9		54																			
13		55																			
17		55																			
19		55																			
25		56																			
30		57																			
38		58																			
41		59																			
45		59																			
54		62																			
6	W2-2L	53	36"	36"									BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-0"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.) REQUIRES P POST SLIP BASE
7		53																			
24		55																			
29		56																			
40		58																			
16		55																			REFLECTIVE STRIP (YELLOW) (FLOUR.)
8	W1-4L	53	36"	36"									BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-0"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.) REQUIRES P POST SLIP BASE
33		57																			
12	W2-1 Rector Rd / Goss Rd W16-8aP	54	36" 56"	36" 18"			6"	4"		EMOD		TYPE "A"	BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	14'-9"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.) REQUIRES P POST SLIP BASE
18	STOP R1-1 / CROSS TRAFFIC DOES NOT STOP W4-4P	55	36" 24"	36" 12"									WHITE (REF.) BLACK	RED (REF.) FLOUR YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	14'-3"				5'0"	REFLECTIVE STRIP (RED) (FLOUR.)
20	W2-4	55	36"	36"									BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-0"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.)
21	W1-7	55	48"	24"									BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	12'-0"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.)
27		56																			REFLECTIVE STRIP (YELLOW) (FLOUR.) REQUIRES P POST SLIP BASE
36		58																			
51		62																			
23	W2-1 Goss Rd / Rector Rd W16-8aP	55	36" 56"	36" 18"			6"	4"		EMOD		TYPE "A"	BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	14'-9"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.) REQUIRES P POST SLIP BASE
34	W1-4R	56	36"	36"									BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-0"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.) REQUIRES P POST SLIP BASE
52		62																			

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	64
PS&E	2026	STP/NH/HPP-28(32)	64

U-POST SUBSTITUTION TABLE

BID ITEM 713-11.01	SUBSTITUTION ALLOWED
2 #/FT. U1	2 #/FT. MU1 OR 2 #/FT. R1
2.5 #/FT. U3	2.5 #/FT. MU3 OR 3 #/FT. R2•
3 #/FT. U6	
4 #/FT. U7	NO SUBSTITUTES

• PAID AT A RATE OF 2.5 #/FT.

SEALED BY

RICHARD R. HOLT REGISTERED ENGINEER 25.10.26 No. 104529 STATE OF TENNESSEE

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

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

SEE STD. DWG. NO. T-S-19

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.	
39	W2-1 W16-8aP (Old S.R. 28 West / Old S.R. 28 East)	58	36" 76"	36" 18"			6"	4"		EMOD		TYPE "A"	BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P6	14'-9"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.) REQUIRES P POST SLIP BASE
43	W1-2R	59	36"	36"									BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-0"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.) REQUIRES P POST SLIP BASE
46	W2-1 W16-8aP (Old S.R. 28 East / Old S.R. 28 West)	59	36" 76"	36" 18"			6"	4"		EMOD		TYPE "A"	BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P6	14'-9"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.) REQUIRES P POST SLIP BASE
47	W1-2L	61	36"	36"									BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-0"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.) REQUIRES P POST SLIP BASE
50	M3-3 (SOUTH) M1-4 (127)	62	24" 30"	12" 24"									BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-3"				5'0"	REQUIRES P POST SLIP BASE

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	65
PS&E	2026	STP/NH/HPP-28(32)	65

U-POST SUBSTITUTION TABLE	
BID ITEM 713-11.01	SUBSTITUTION ALLOWED
2"/FT. U1	2"/FT. MU1 OR 2"/FT. R1
2.5"/FT. U3	2.5"/FT. MU3 OR 3"/FT. R2•
3"/FT. U6	
4"/FT. U7	NO SUBSTITUTES

• PAID AT A RATE OF 2.5"/FT.

SEALED BY

RICHARD R. HOLT REGISTERED ENGINEER 04.01.26 STATE OF TENNESSEE

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

3/30/2026
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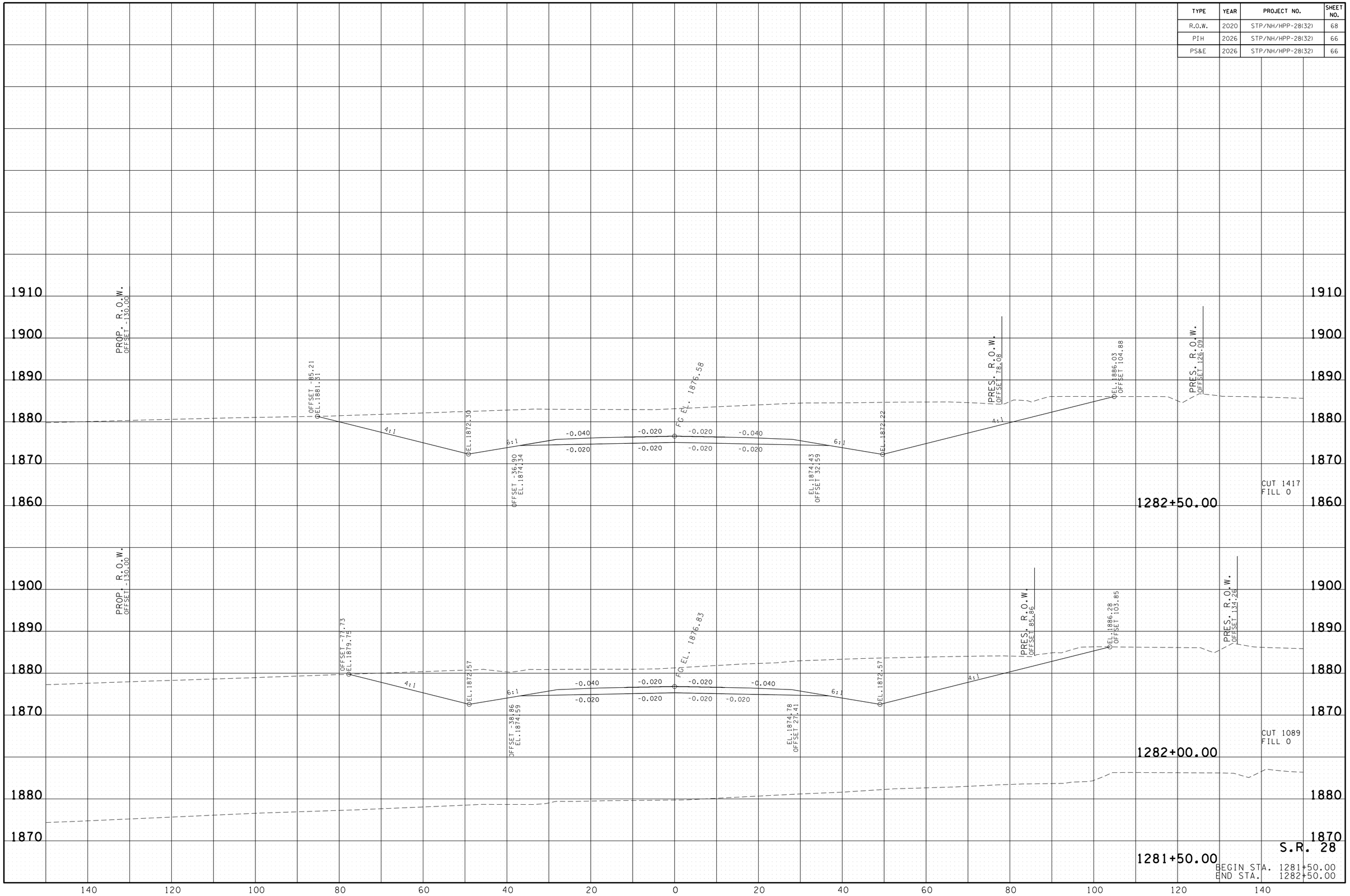
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	68
PIH	2026	STP/NH/HPP-28(32)	66
PS&E	2026	STP/NH/HPP-28(32)	66



S.R. 28

BEGIN STA. 1281+50.00
END STA. 1282+50.00

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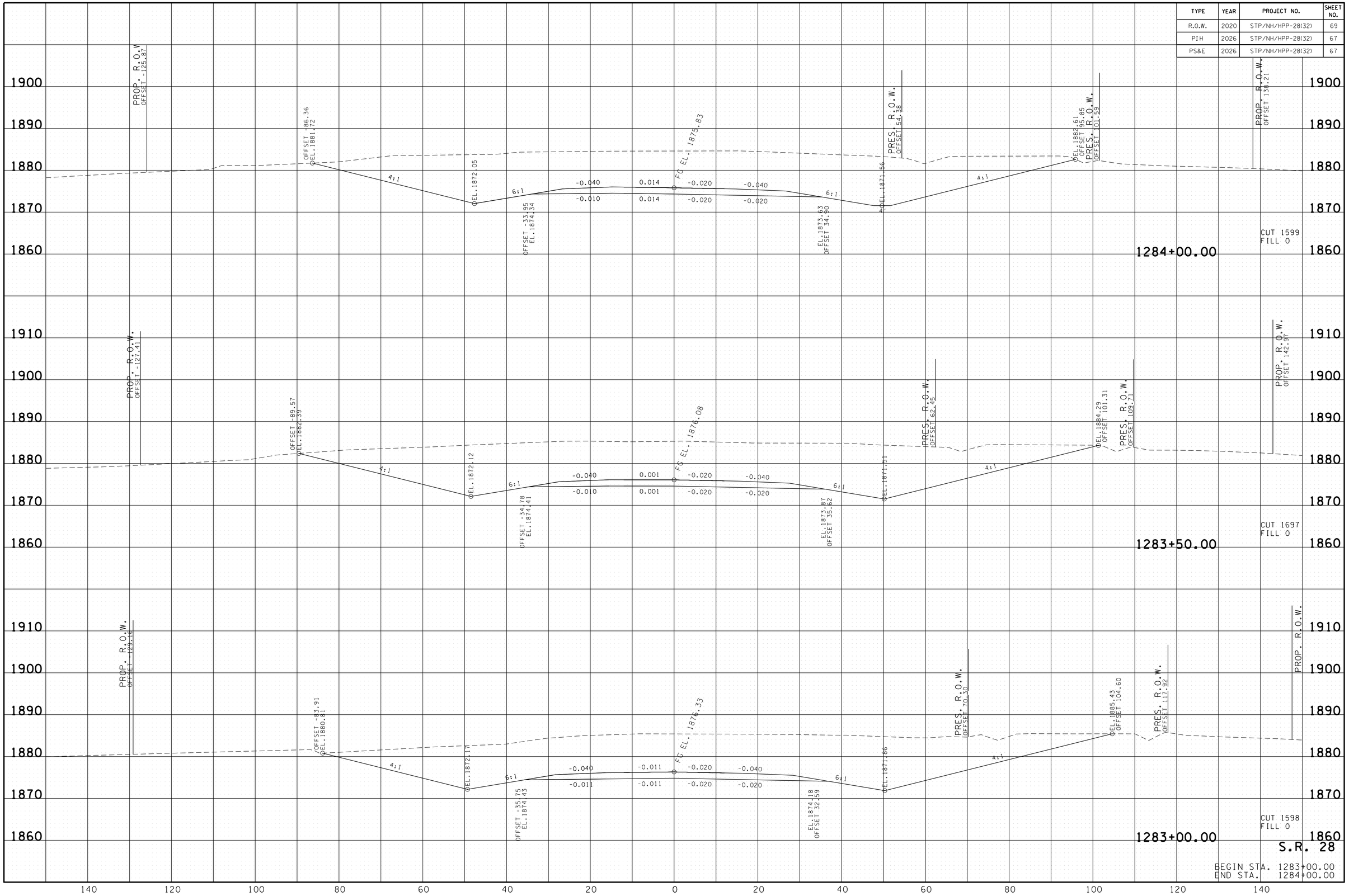
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	69
PIH	2026	STP/NH/HPP-28(32)	67
PS&E	2026	STP/NH/HPP-28(32)	67



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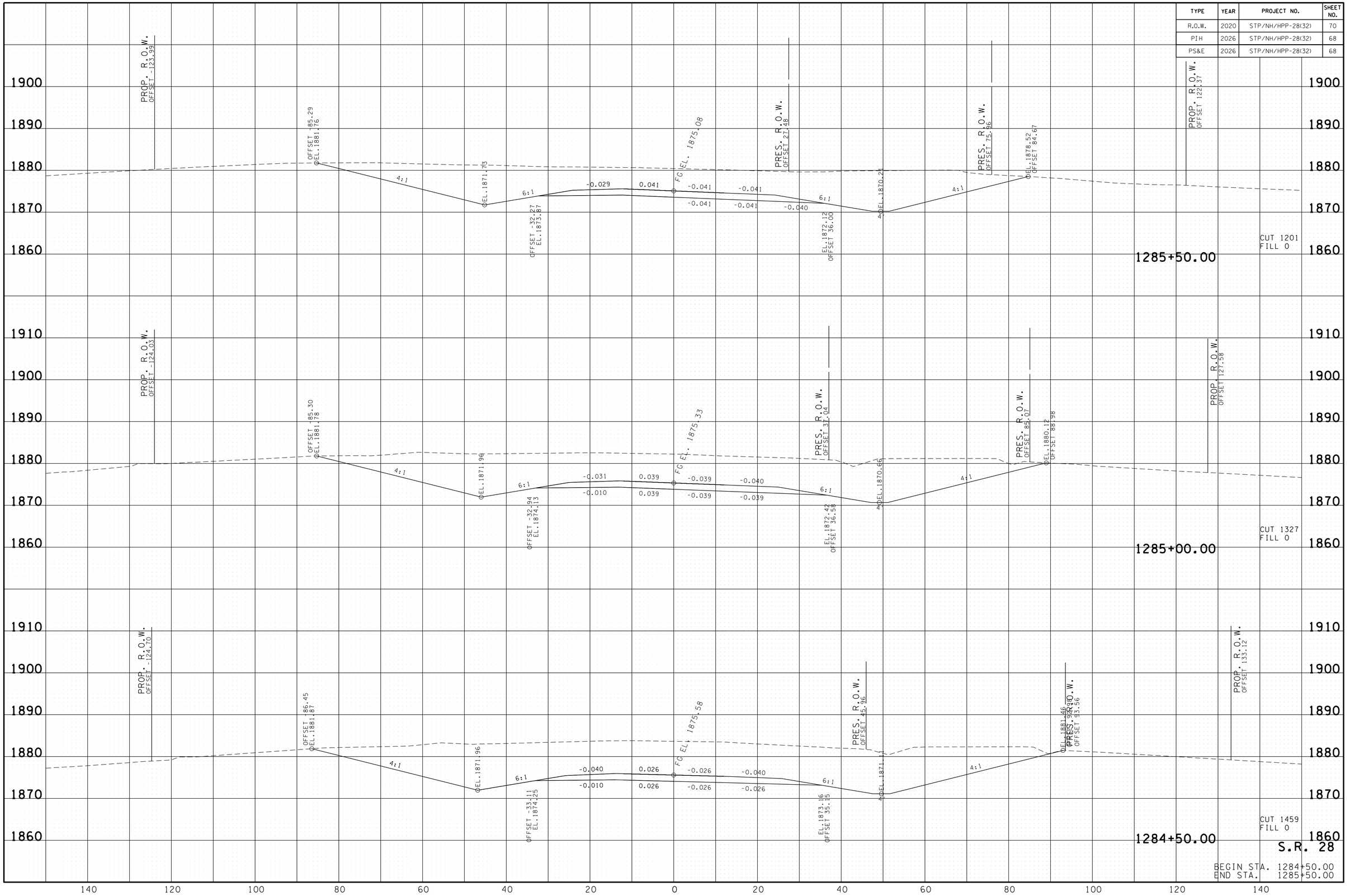
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	70
PIH	2026	STP/NH/HPP-28(32)	68
PS&E	2026	STP/NH/HPP-28(32)	68



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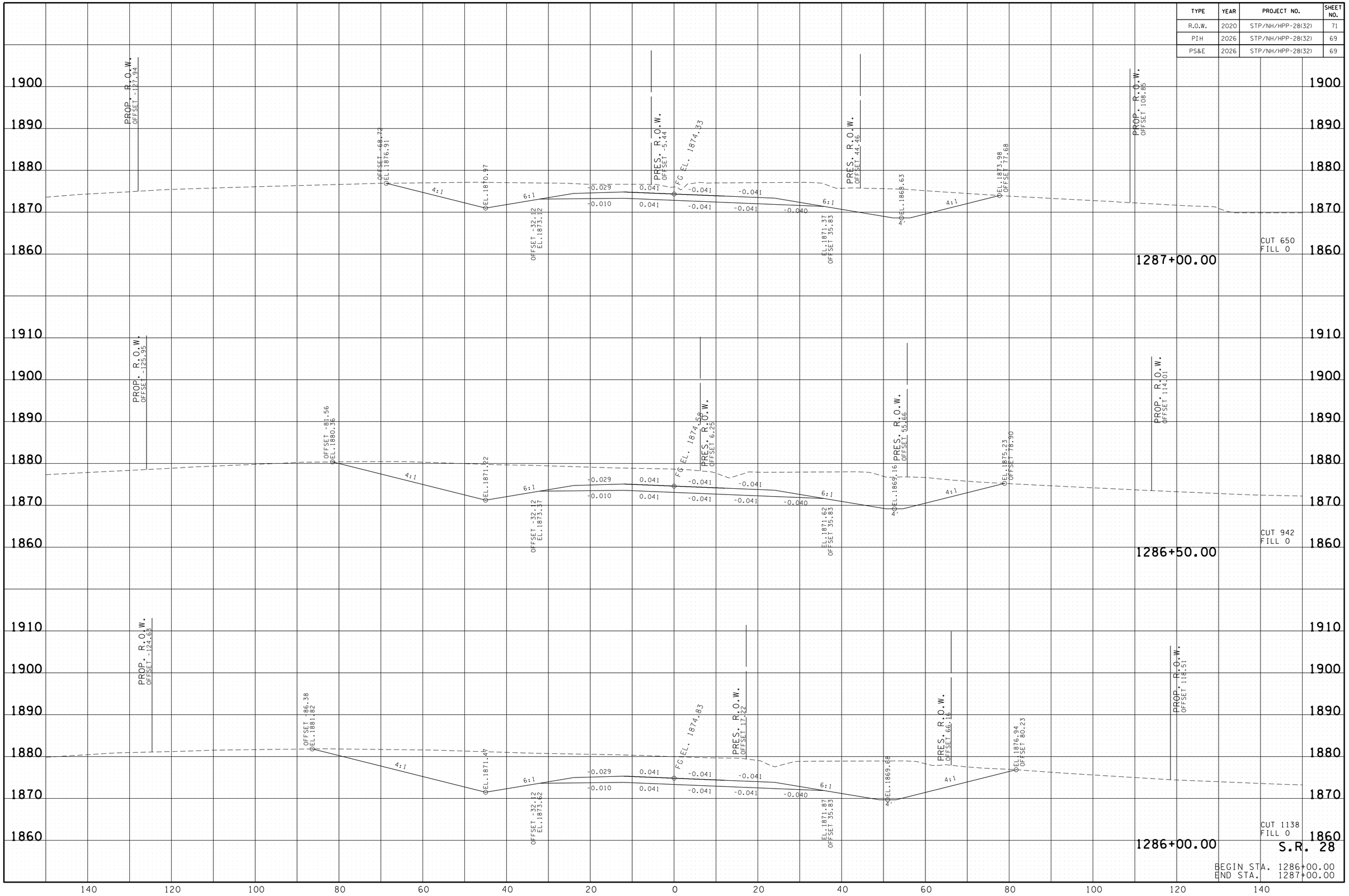
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	71
PIH	2026	STP/NH/HPP-28(32)	69
PS&E	2026	STP/NH/HPP-28(32)	69



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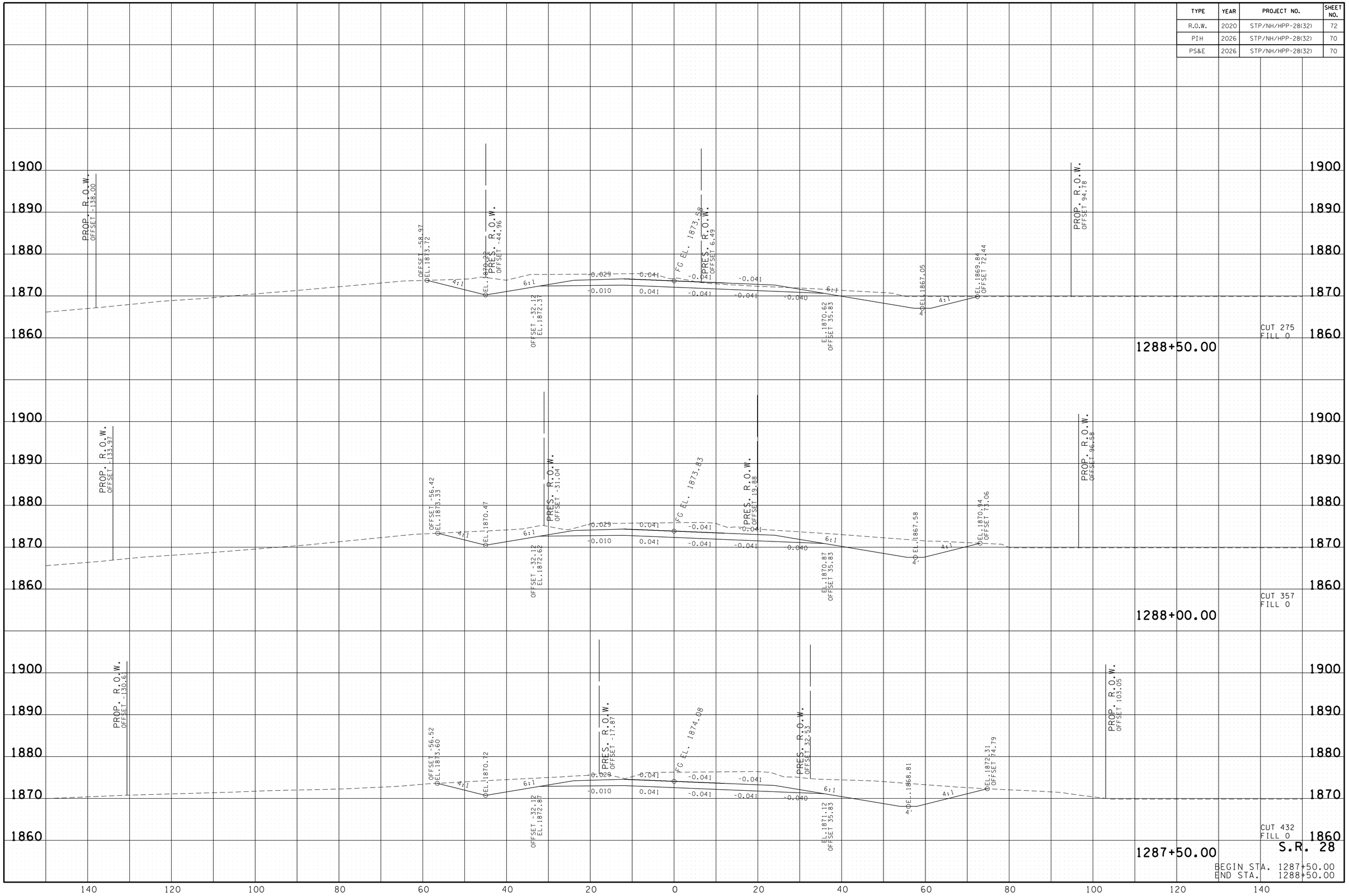
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	72
PIH	2026	STP/NH/HPP-28(32)	70
PS&E	2026	STP/NH/HPP-28(32)	70



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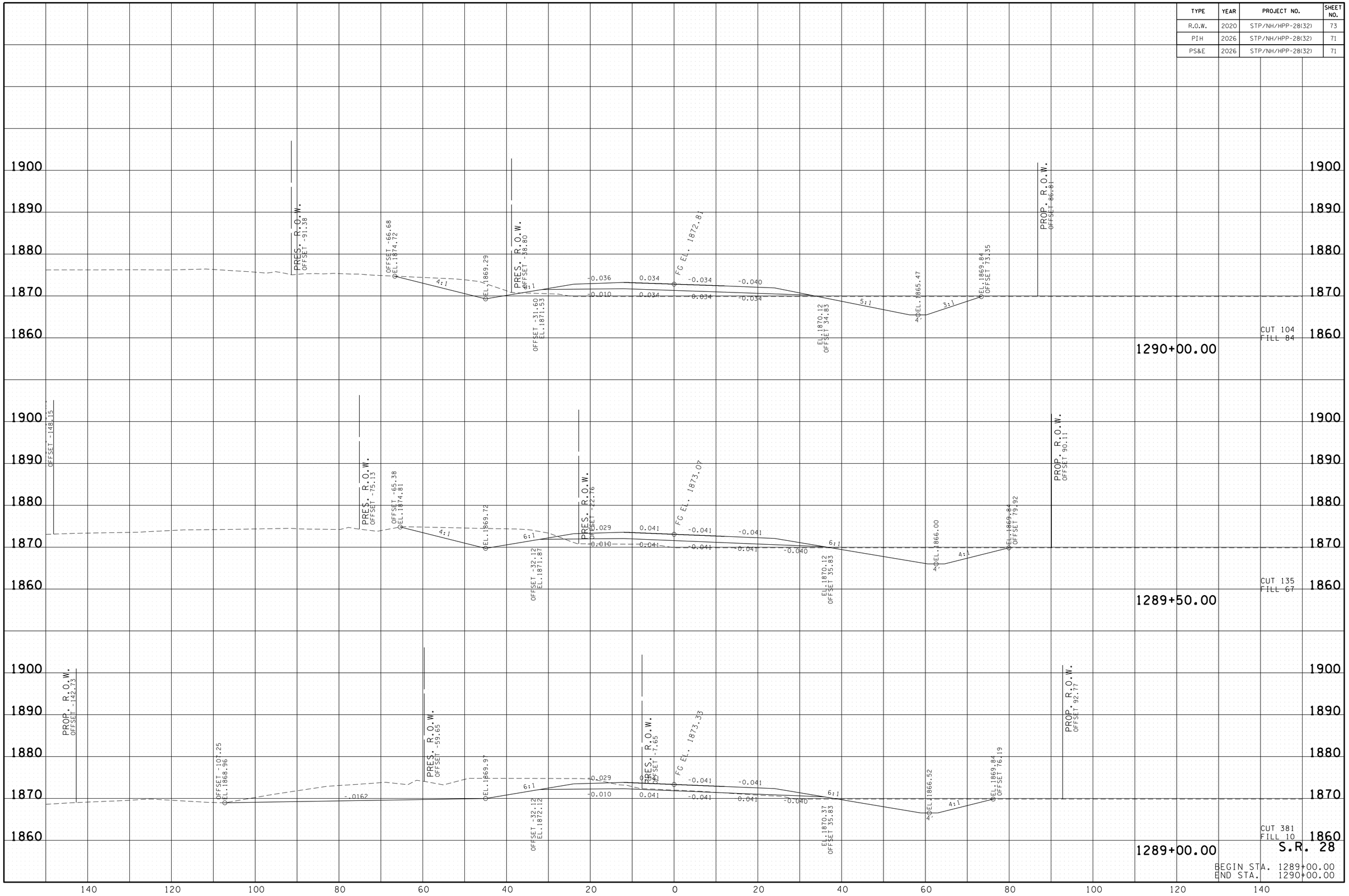
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	73
PIH	2026	STP/NH/HPP-28(32)	71
PS&E	2026	STP/NH/HPP-28(32)	71



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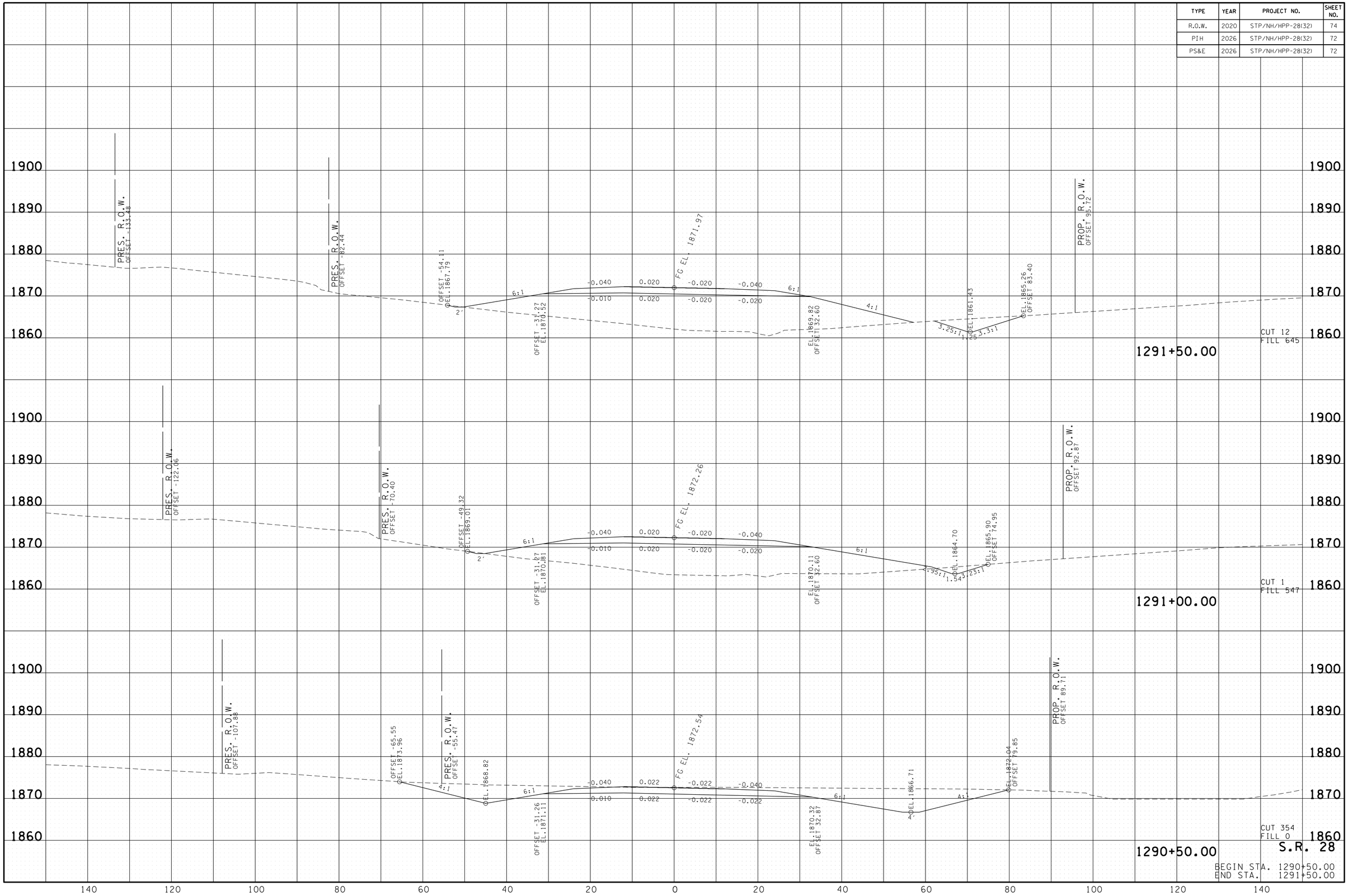
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	74
PIH	2026	STP/NH/HPP-28(32)	72
PS&E	2026	STP/NH/HPP-28(32)	72



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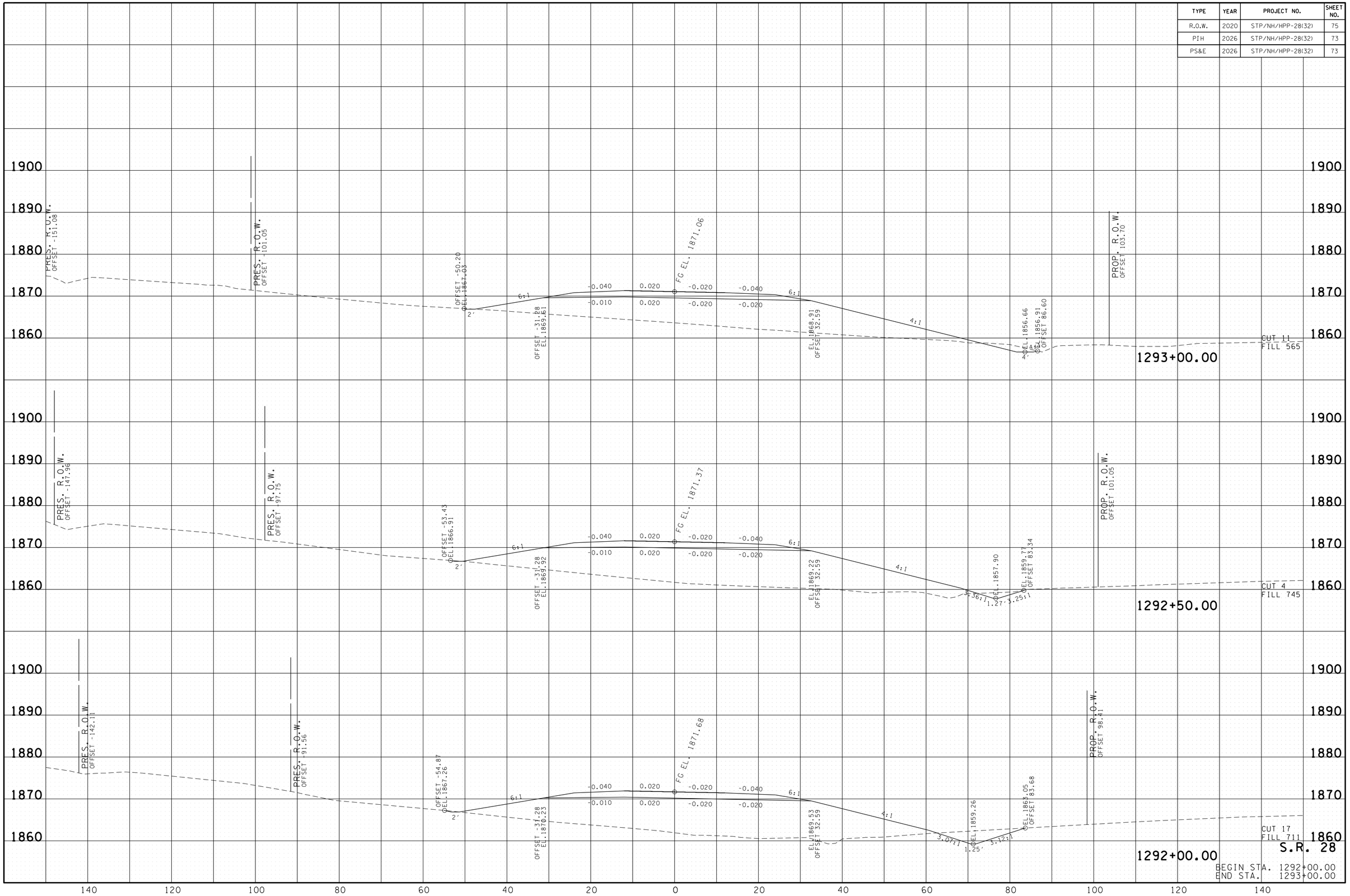
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	75
PIH	2026	STP/NH/HPP-28(32)	73
PS&E	2026	STP/NH/HPP-28(32)	73



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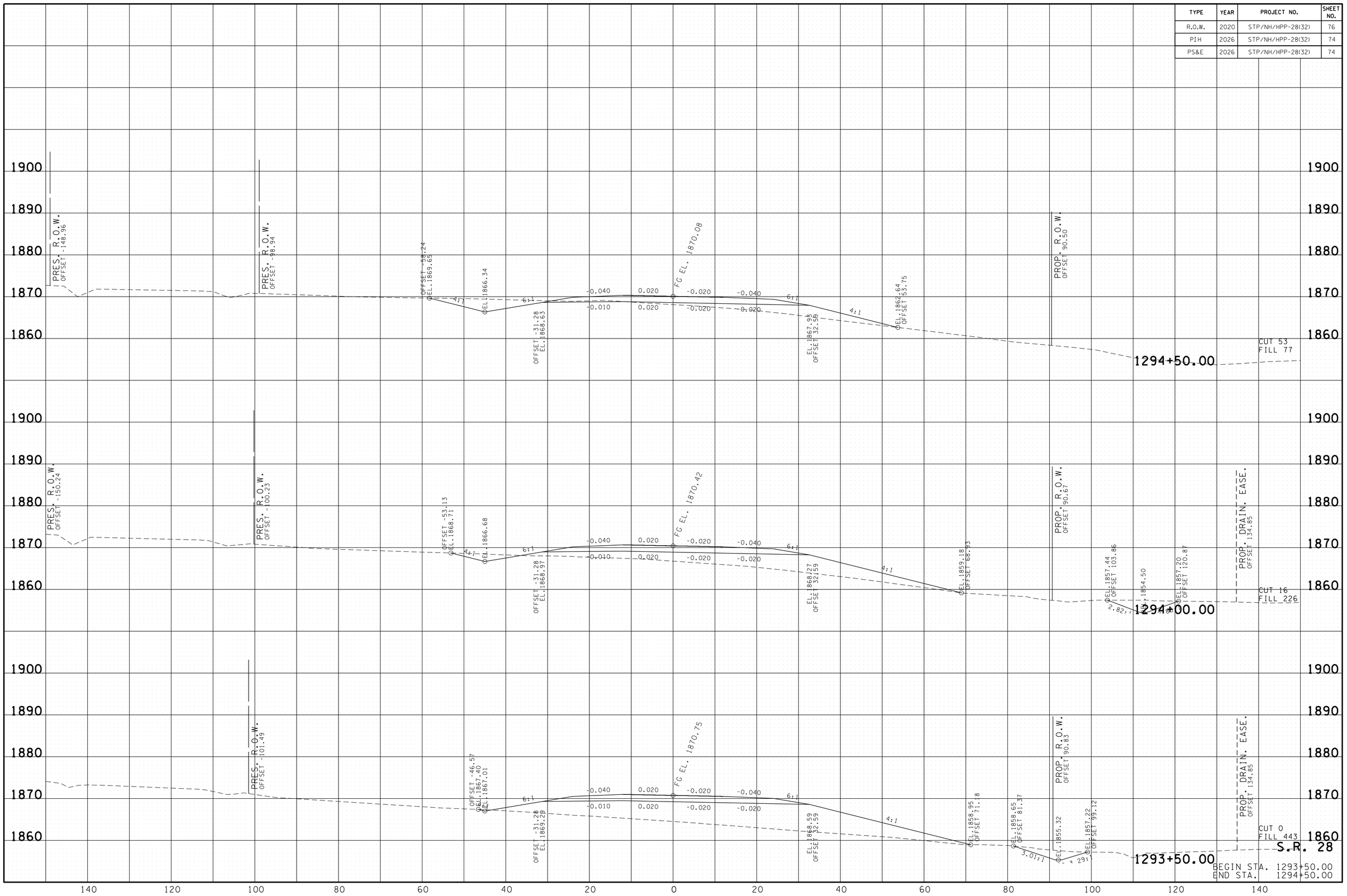
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	76
PIH	2026	STP/NH/HPP-28(32)	74
PS&E	2026	STP/NH/HPP-28(32)	74



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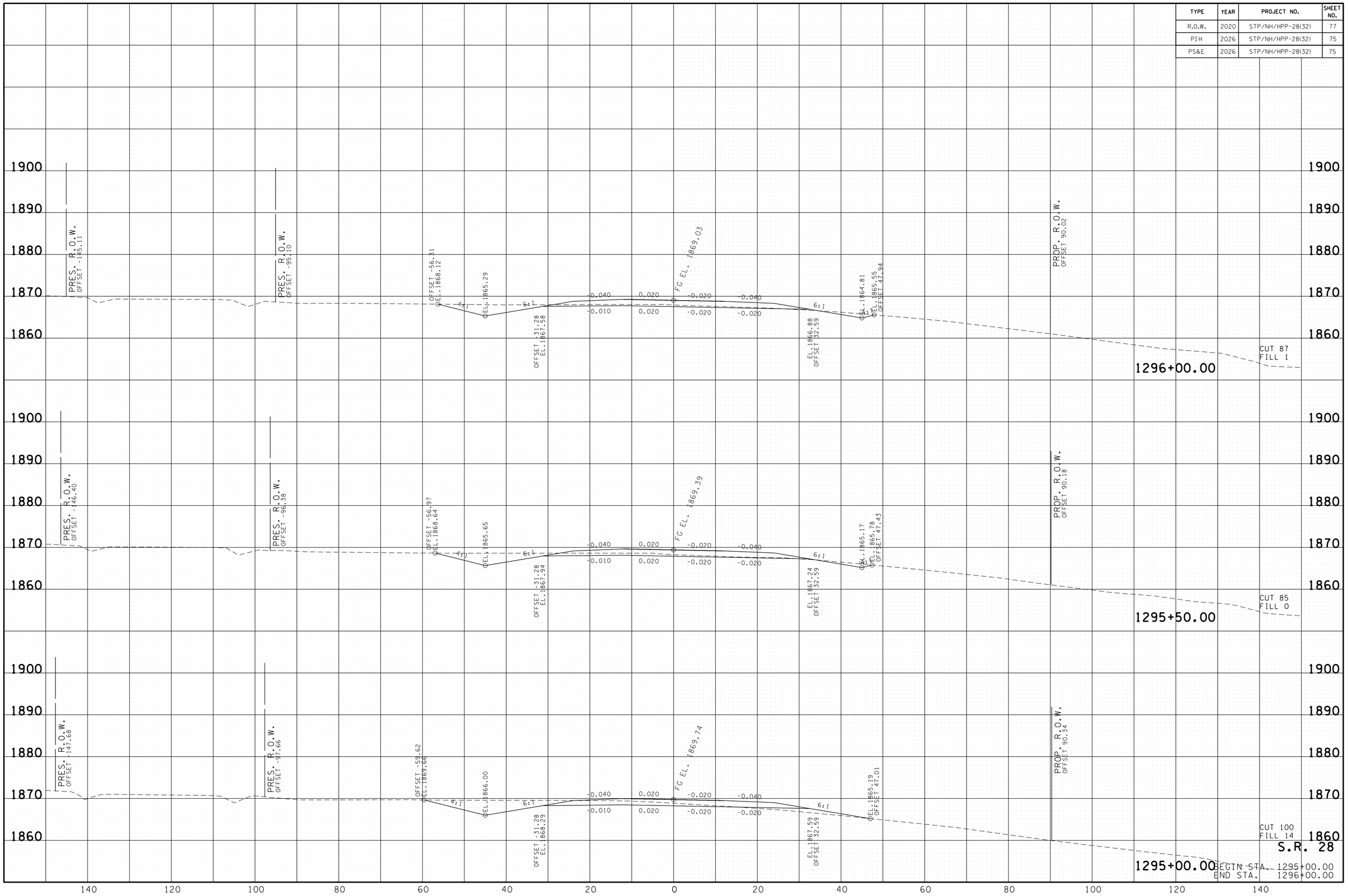
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	77
PIH	2026	STP/NH/HPP-28(32)	75
PS&E	2026	STP/NH/HPP-28(32)	75



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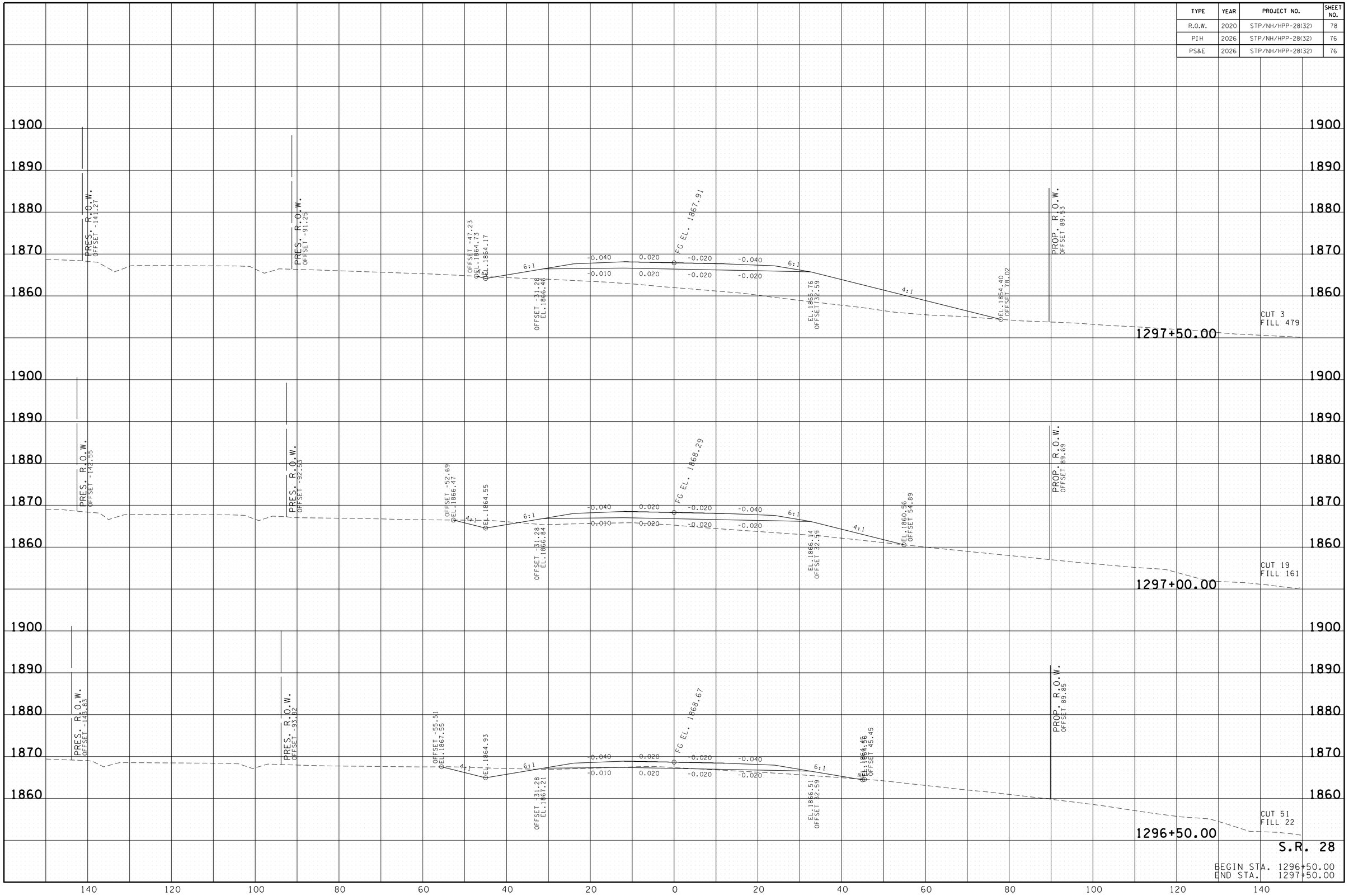
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	78
PIH	2026	STP/NH/HPP-28(32)	76
PS&E	2026	STP/NH/HPP-28(32)	76



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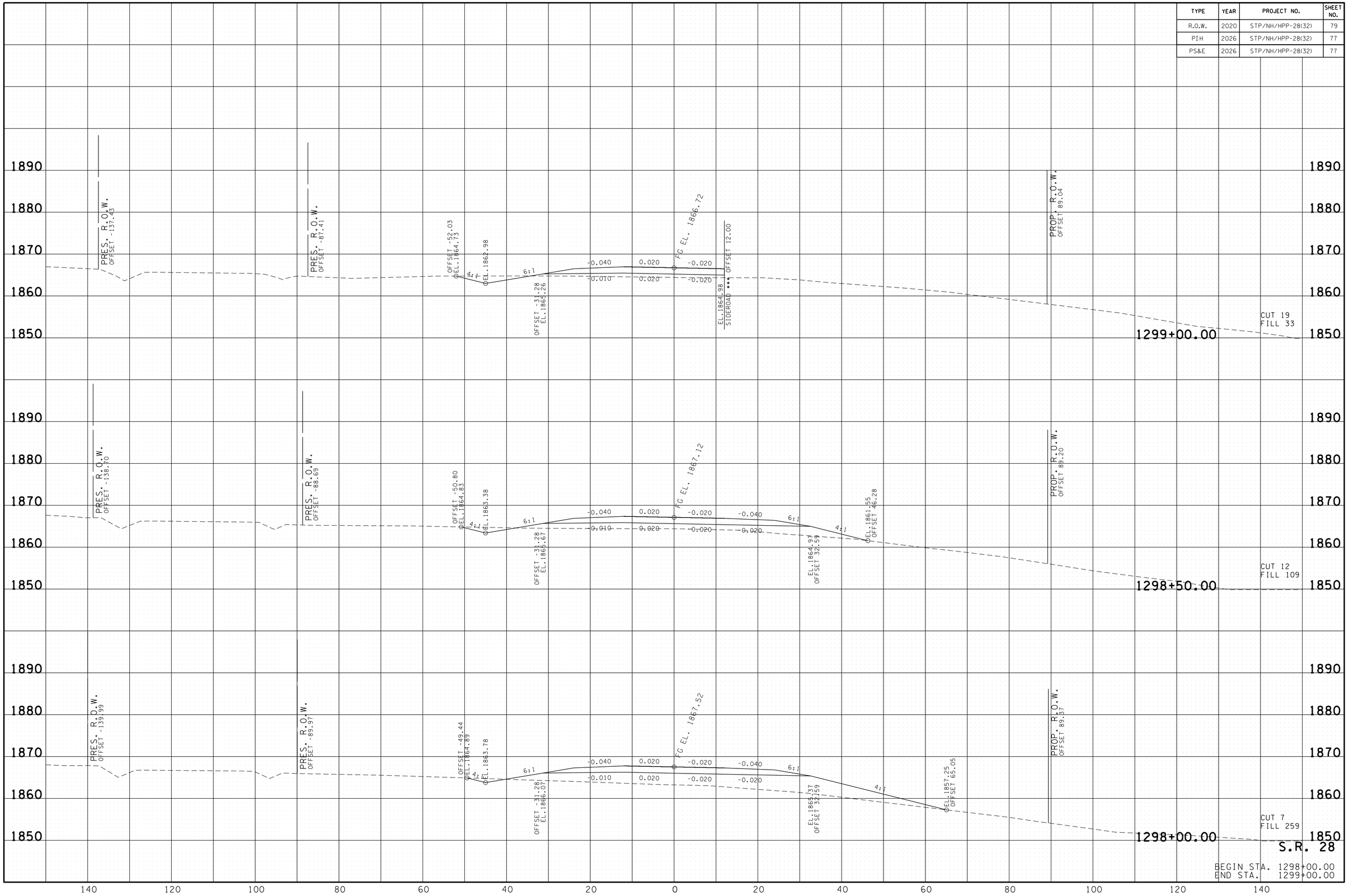
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	79
PIH	2026	STP/NH/HPP-28(32)	77
PS&E	2026	STP/NH/HPP-28(32)	77



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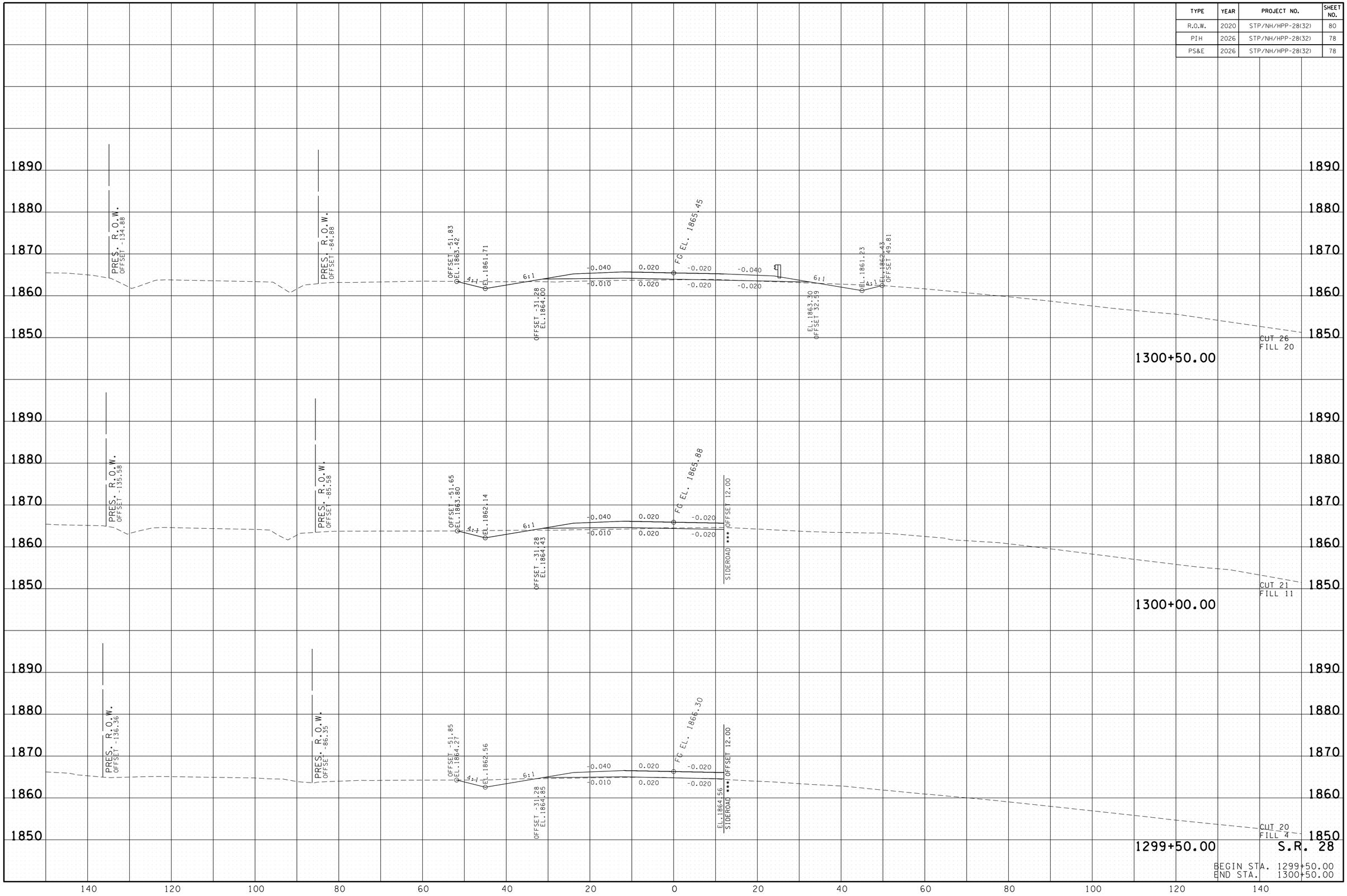
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	80
PIH	2026	STP/NH/HPP-28(32)	78
PS&E	2026	STP/NH/HPP-28(32)	78



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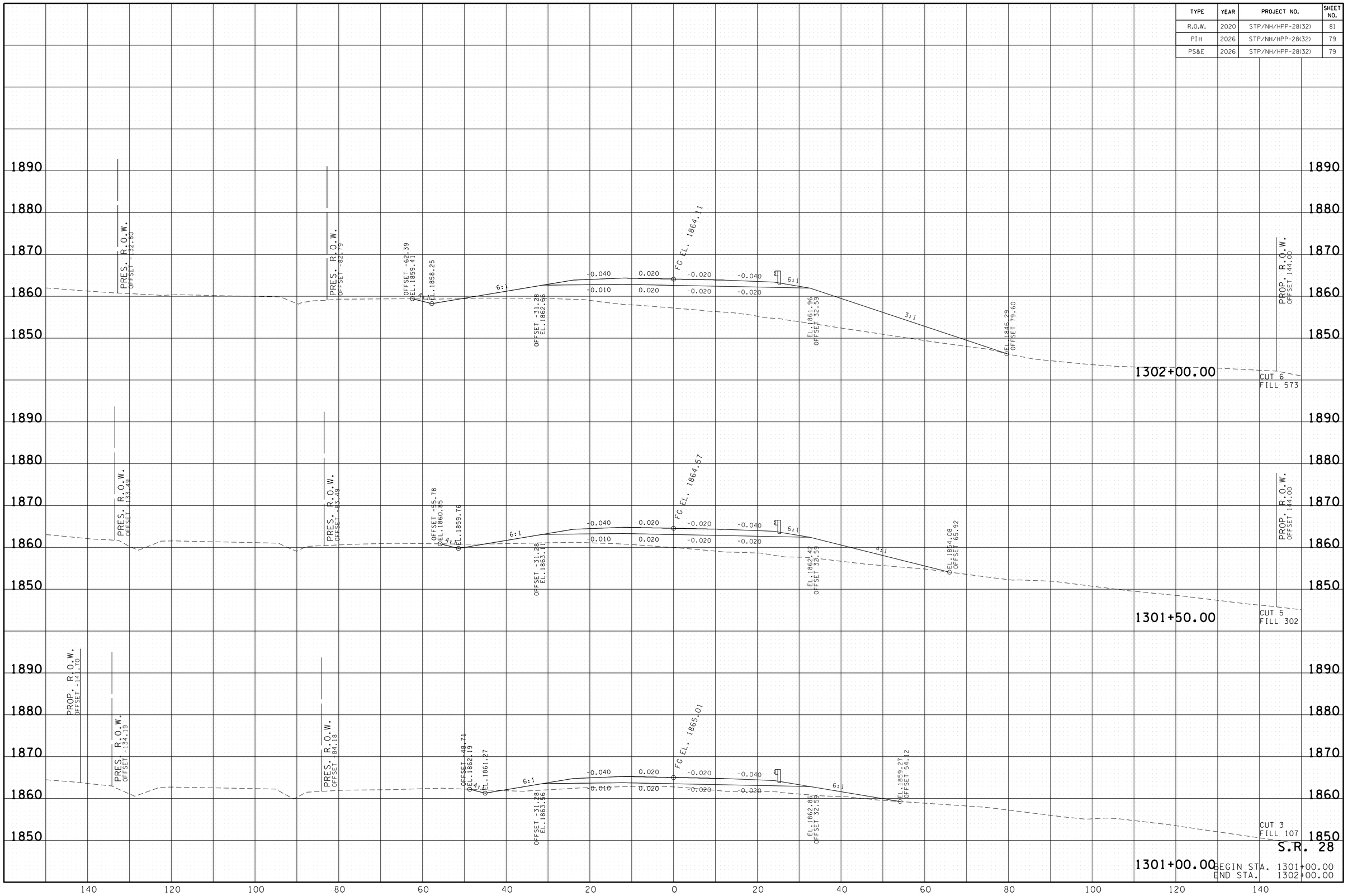
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	81
PIH	2026	STP/NH/HPP-28(32)	79
PS&E	2026	STP/NH/HPP-28(32)	79



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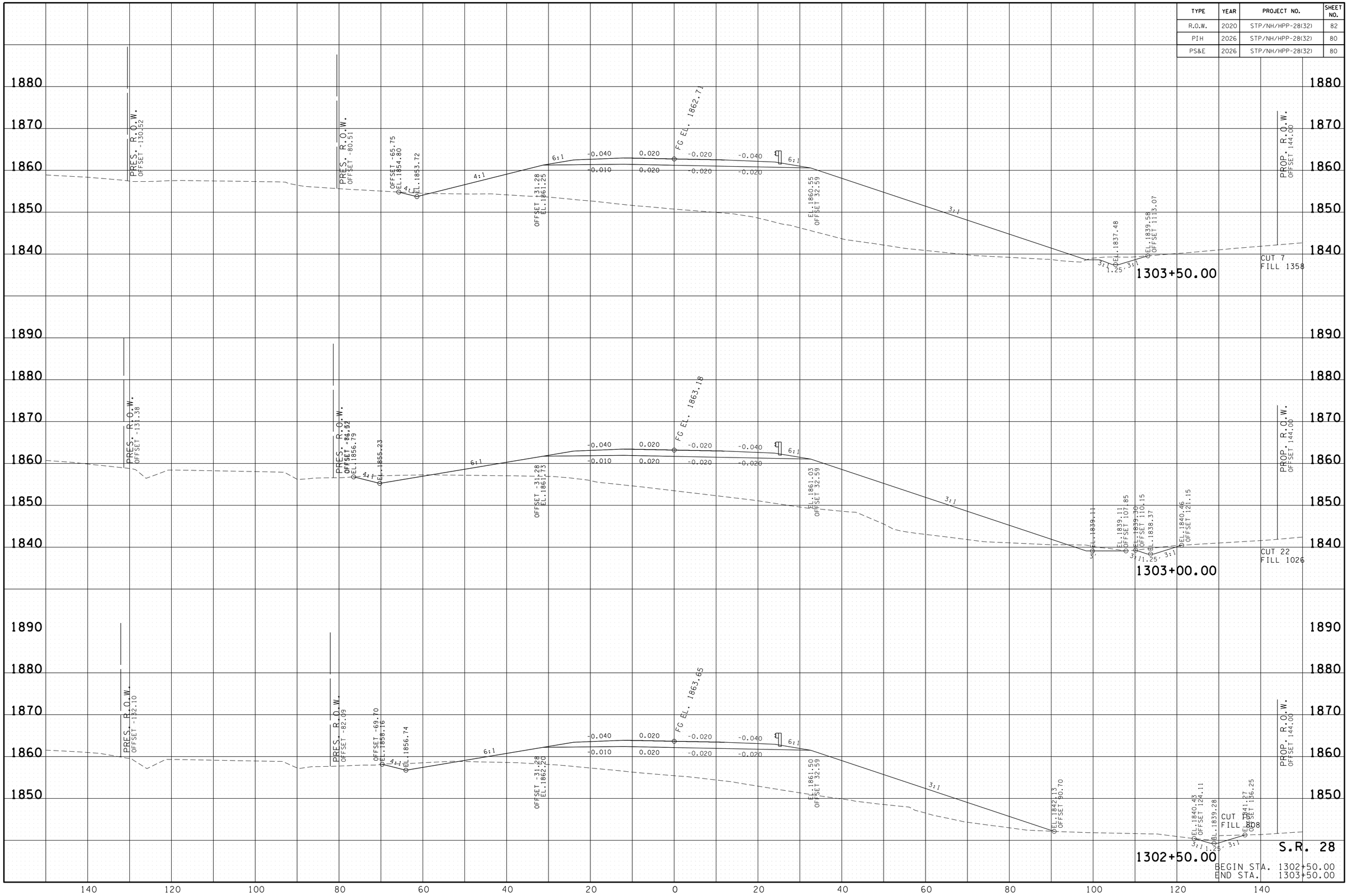
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	82
PIH	2026	STP/NH/HPP-28(32)	80
PS&E	2026	STP/NH/HPP-28(32)	80



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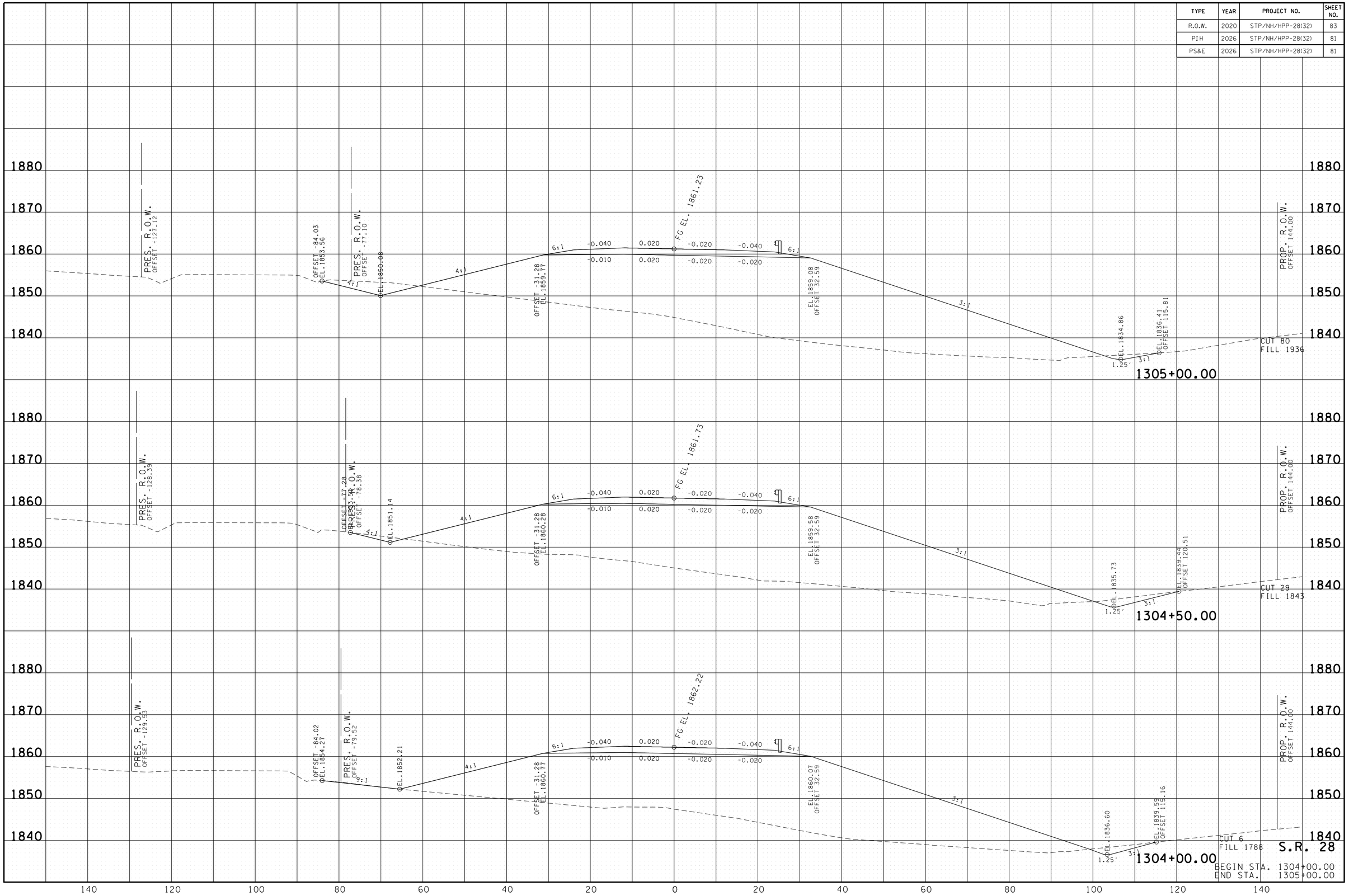
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	83
PIH	2026	STP/NH/HPP-28(32)	81
PS&E	2026	STP/NH/HPP-28(32)	81



5/18/2026
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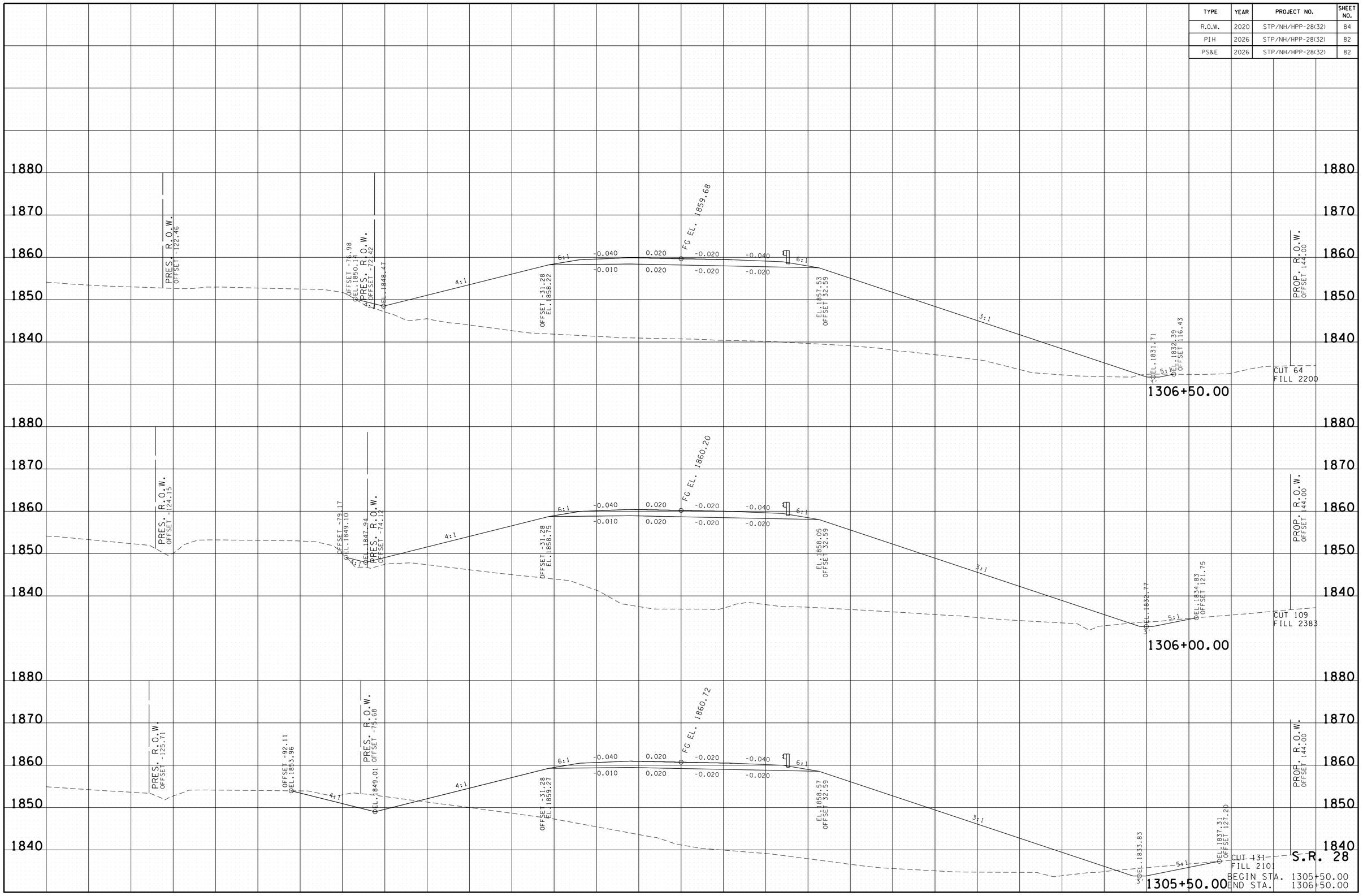
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	84
PIH	2026	STP/NH/HPP-28(32)	82
PS&E	2026	STP/NH/HPP-28(32)	82



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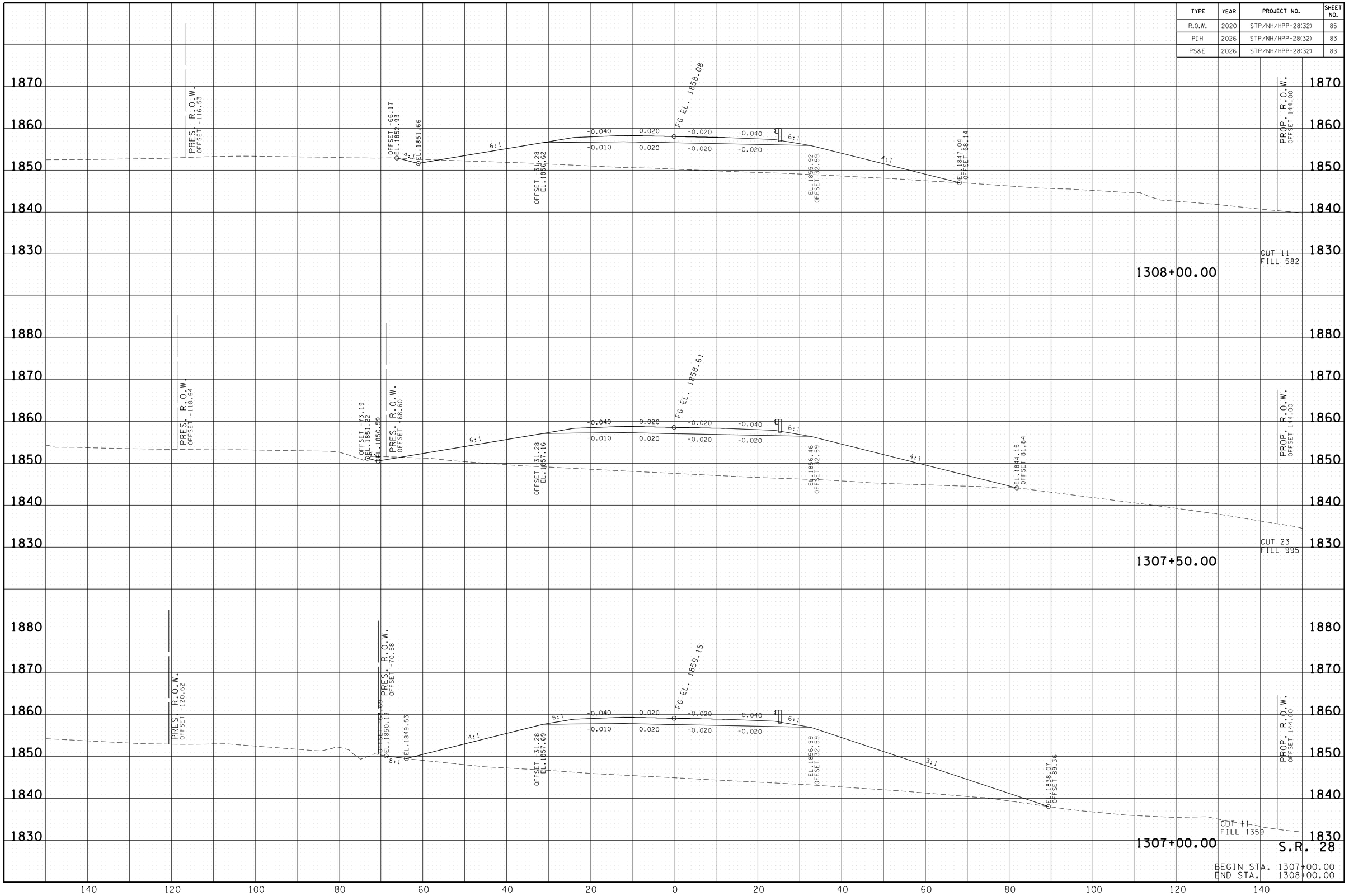
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	85
PIH	2026	STP/NH/HPP-28(32)	83
PS&E	2026	STP/NH/HPP-28(32)	83



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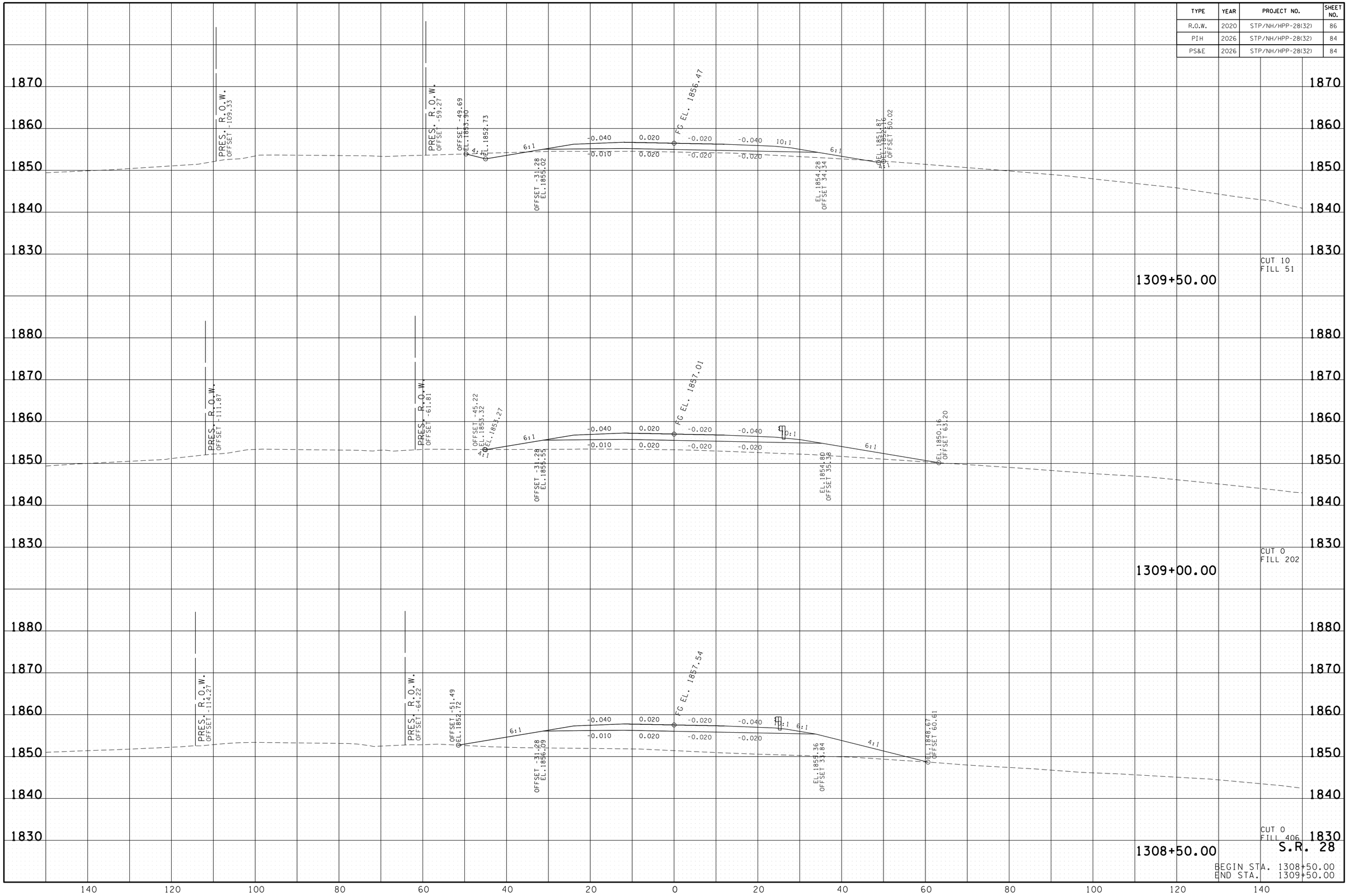
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	86
PIH	2026	STP/NH/HPP-28(32)	84
PS&E	2026	STP/NH/HPP-28(32)	84



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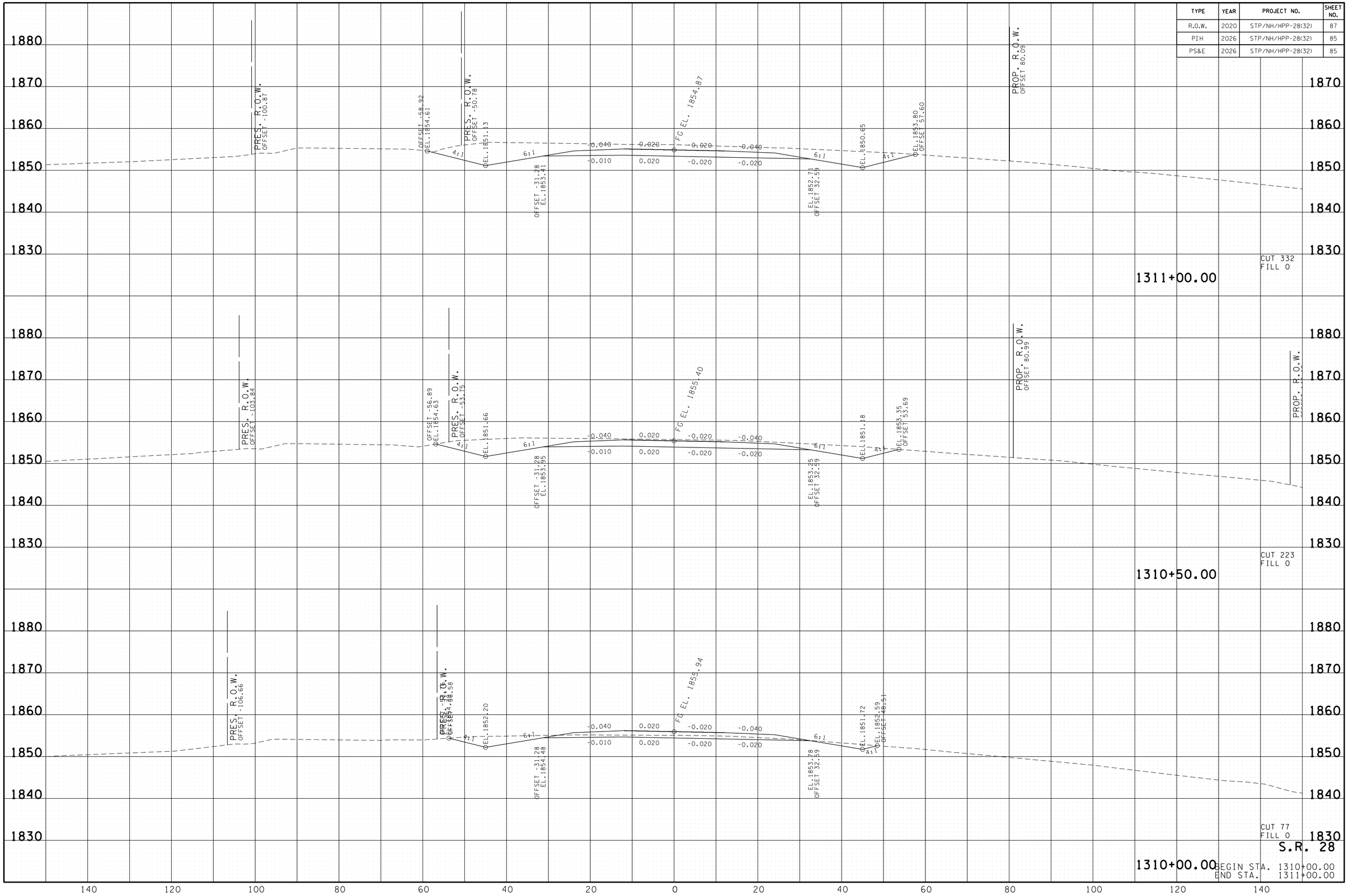
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	87
PIH	2026	STP/NH/HPP-28(32)	85
PS&E	2026	STP/NH/HPP-28(32)	85



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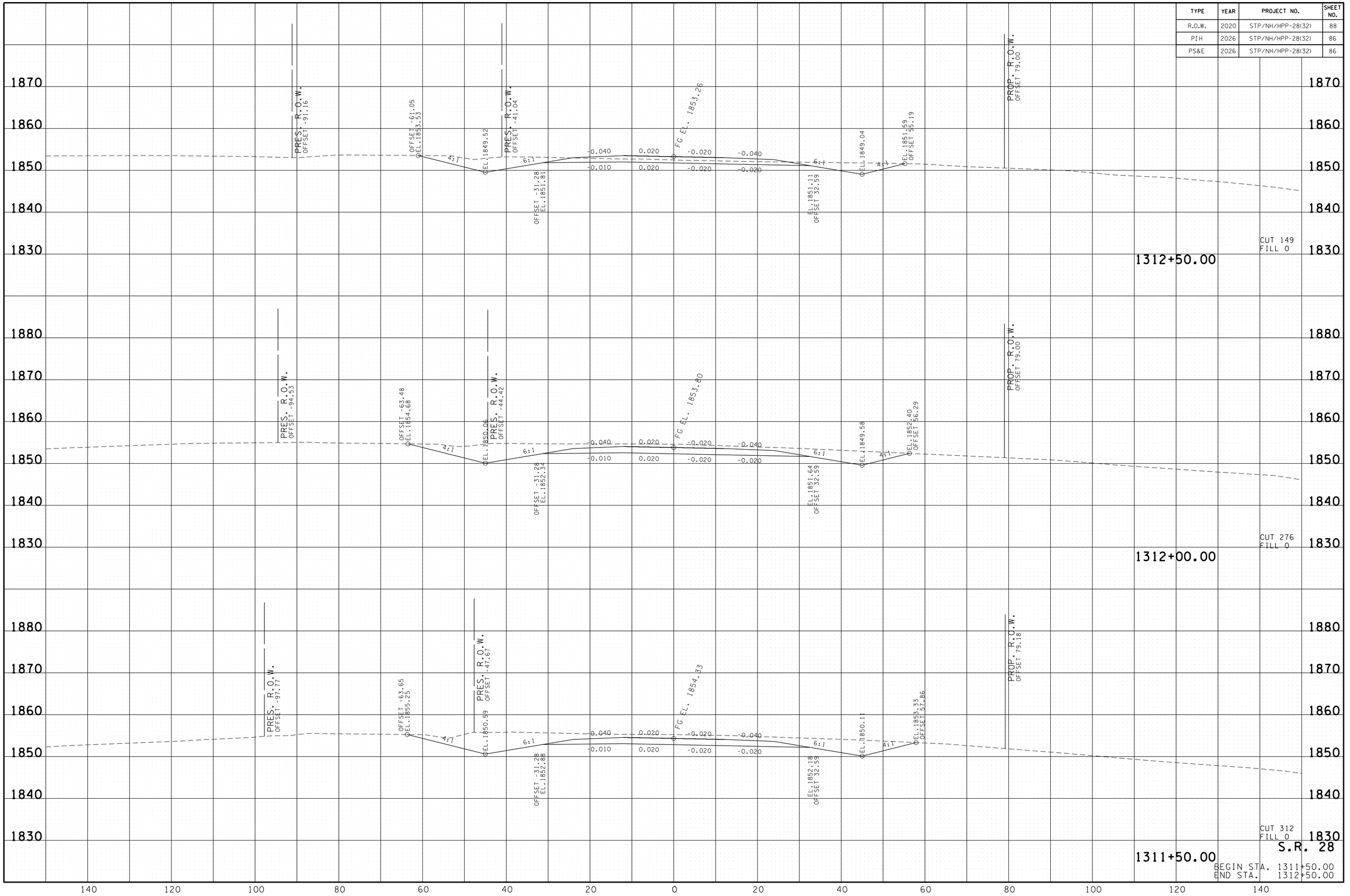
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	88
PIH	2026	STP/NH/HPP-28(32)	86
PS&E	2026	STP/NH/HPP-28(32)	86



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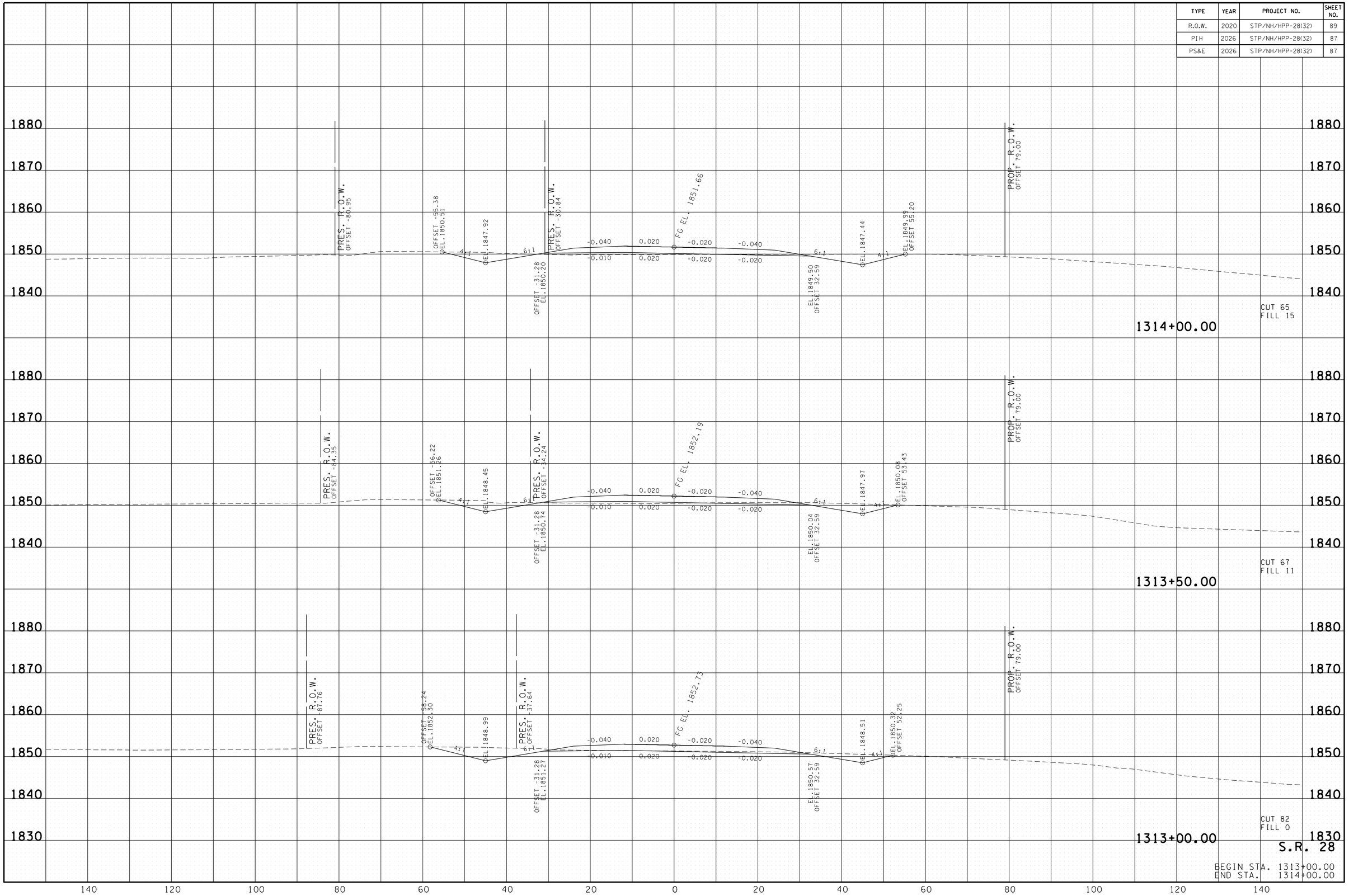
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	89
PIH	2026	STP/NH/HPP-28(32)	87
PS&E	2026	STP/NH/HPP-28(32)	87



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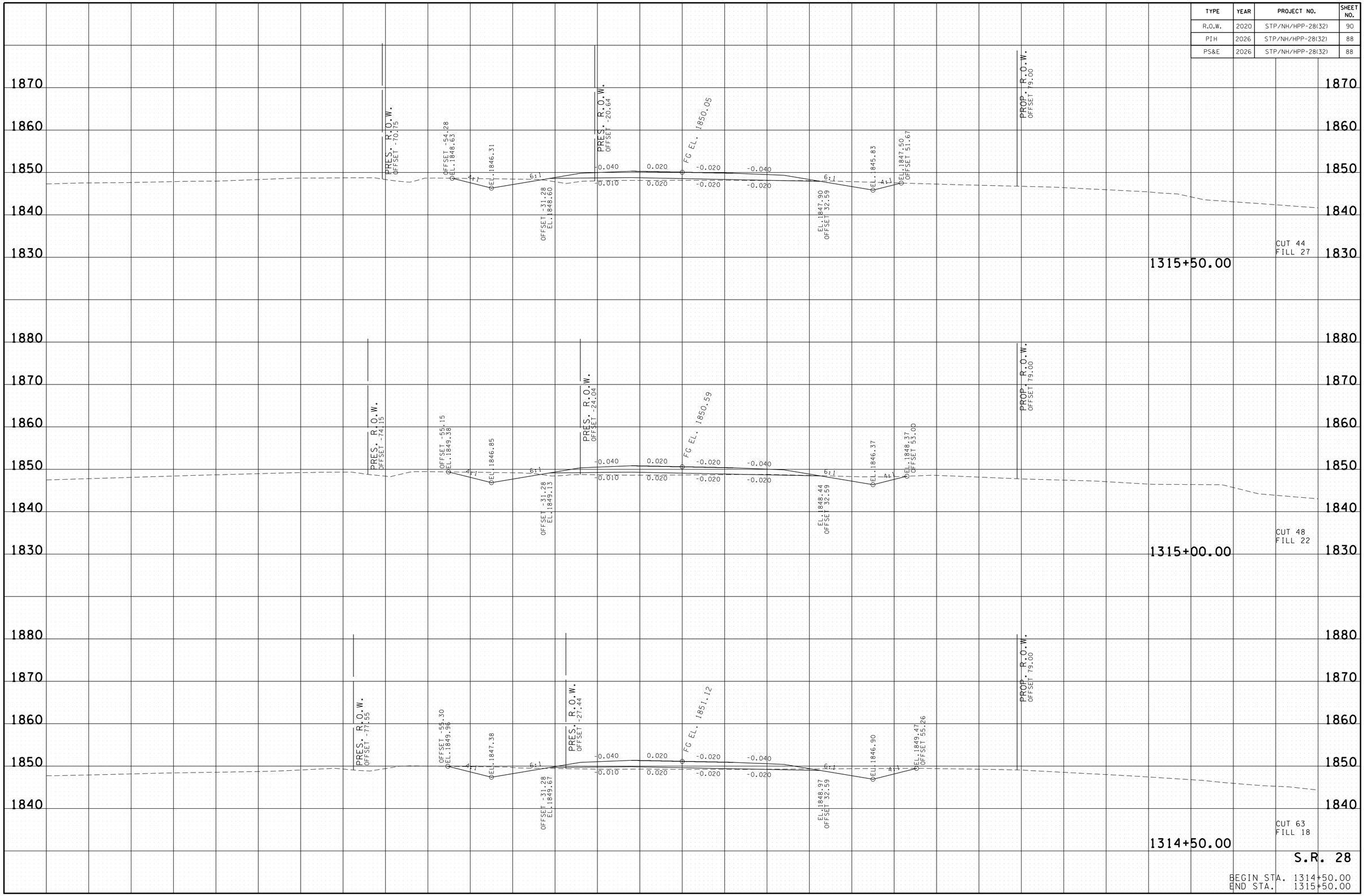
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	90
PIH	2026	STP/NH/HPP-28(32)	88
PS&E	2026	STP/NH/HPP-28(32)	88



S.R. 28

BEGIN STA. 1314+50.00
END STA. 1315+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	91
PIH	2026	STP/NH/HPP-28(32)	89
PS&E	2026	STP/NH/HPP-28(32)	89

1317+00.00

CUT 10
FILL 47

PRES. R.O.W.
OFFSET -10.43

PROP. R.O.W.
OFFSET 61.33

SIDEROAD
OFFSET -12.00

FG EL. 1848.45

0.020 -0.020 -0.040
0.020 -0.020 -0.020

6:1

EL. 1846.30
OFFSET 32.59

4:1

OEL. 1844.23

OEL. 1845.53
OFFSET 50.21

1316+50.00

CUT 9
FILL 47

PRES. R.O.W.
OFFSET -13.83

PRES. R.O.W.
OFFSET -63.95

SIDEROAD
OFFSET -12.00
EL. 1847.72

FG EL. 1848.98

0.020 -0.020 -0.040
0.020 -0.020 -0.020

6:1

EL. 1846.83
OFFSET 32.59

4:1

OEL. 1844.76

OEL. 1845.95
OFFSET 49.76

1316+00.00

CUT 15
FILL 32

PRES. R.O.W.
OFFSET -7.23

PRES. R.O.W.
OFFSET -67.35

PROP. R.O.W.
OFFSET 79.00

SIDEROAD
OFFSET -12.00

FG EL. 1849.52

0.020 -0.020 -0.040
0.020 -0.020 -0.020

6:1

EL. 1847.37
OFFSET 32.59

4:1

OEL. 1845.30

OEL. 1846.90
OFFSET 51.39

S.R. 28

BEGIN STA. 1316+00.00
END STA. 1317+00.00

1870
1860
1850
1840
1830
1820

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

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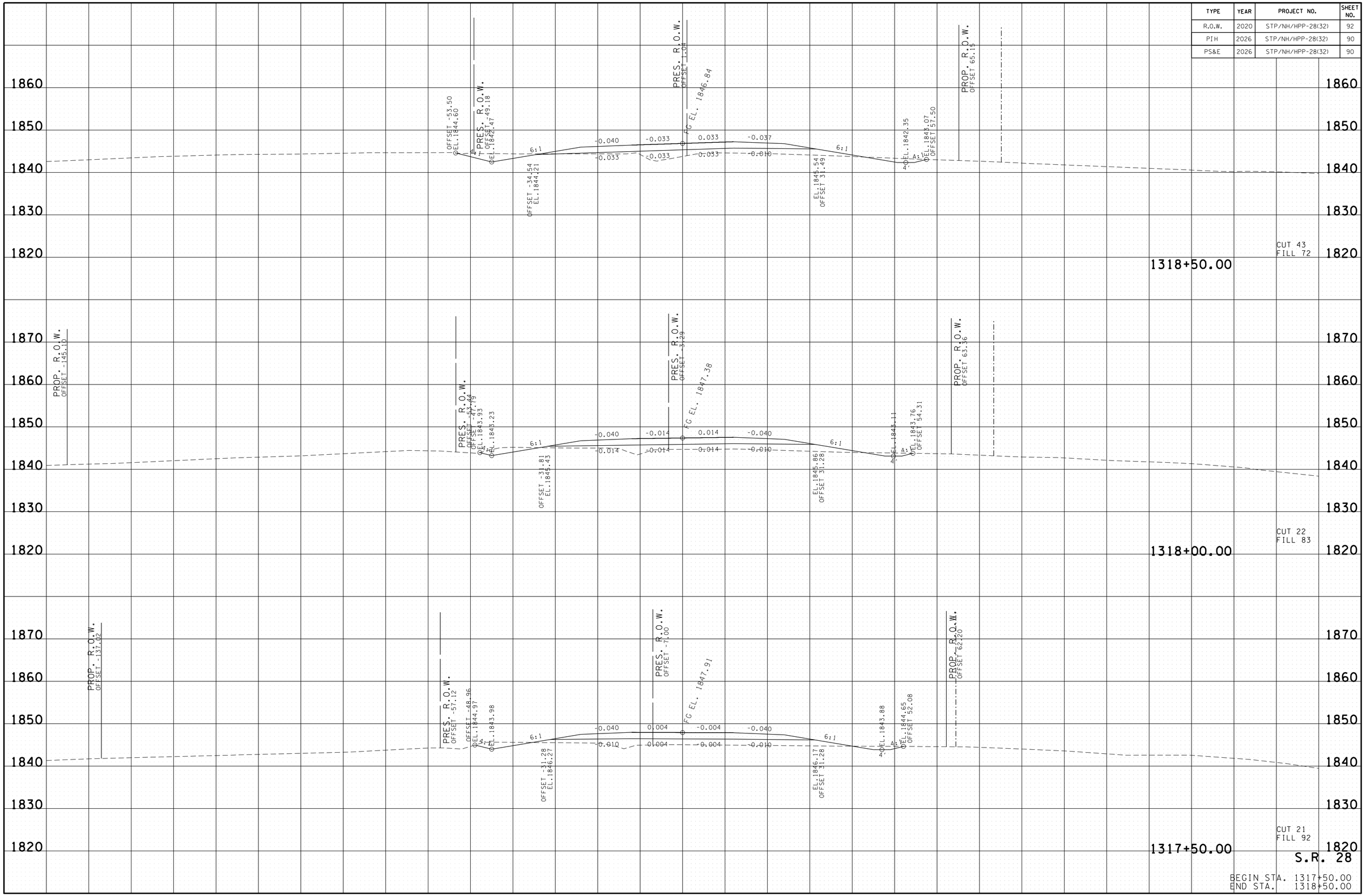
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	92
PIH	2026	STP/NH/HPP-28(32)	90
PS&E	2026	STP/NH/HPP-28(32)	90



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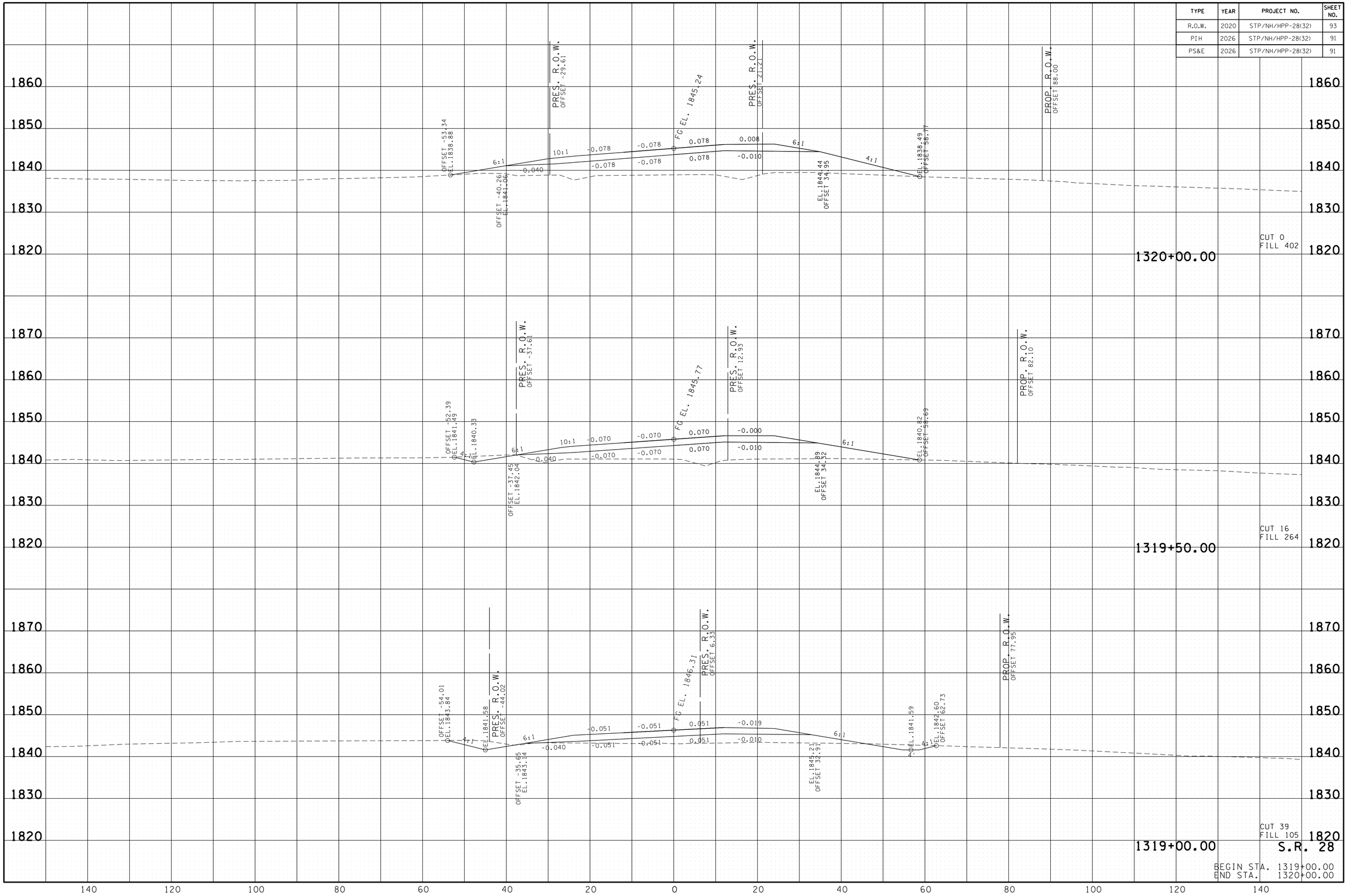
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	93
PIH	2026	STP/NH/HPP-28(32)	91
PS&E	2026	STP/NH/HPP-28(32)	91



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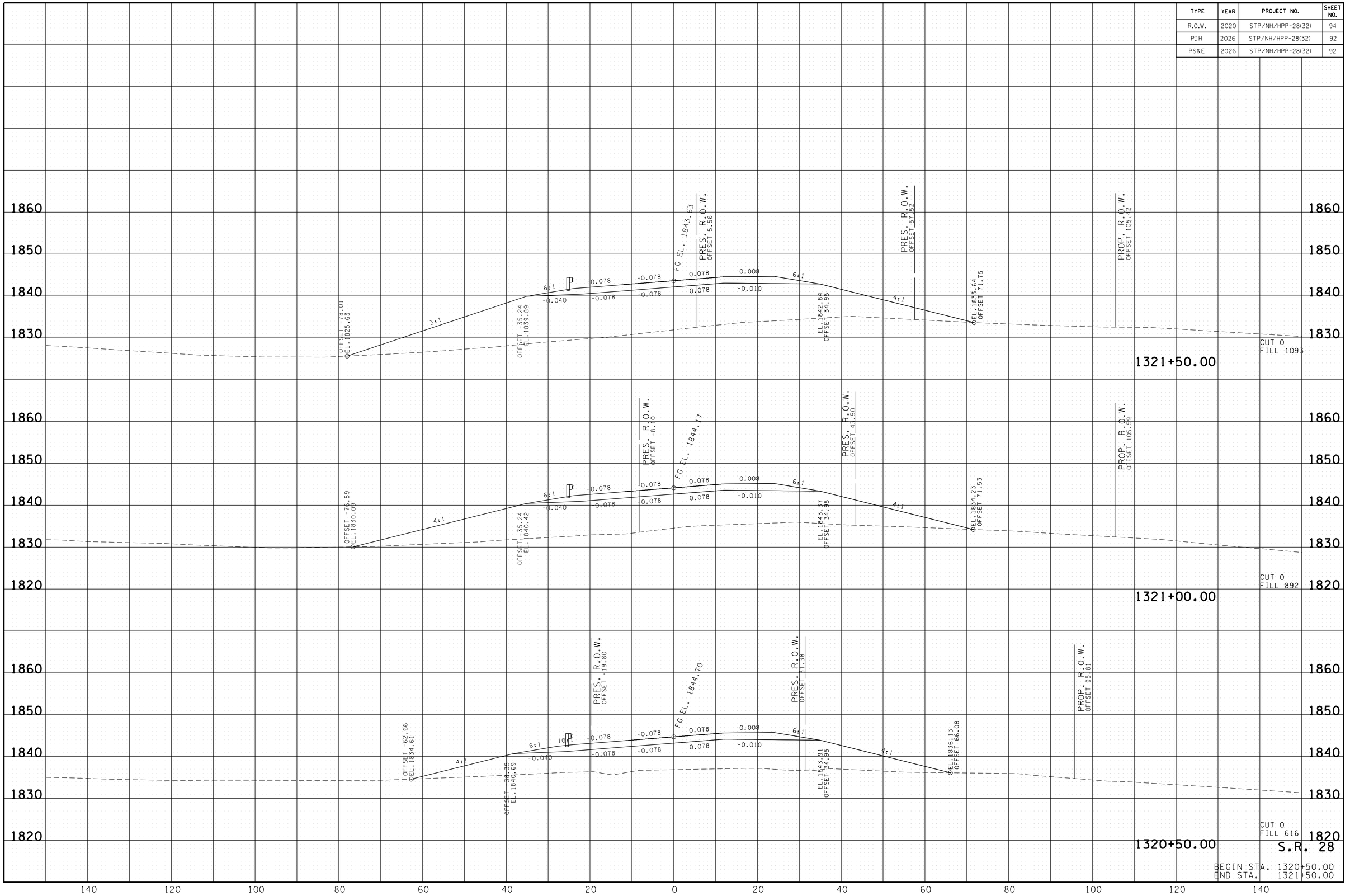
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	94
PIH	2026	STP/NH/HPP-28(32)	92
PS&E	2026	STP/NH/HPP-28(32)	92



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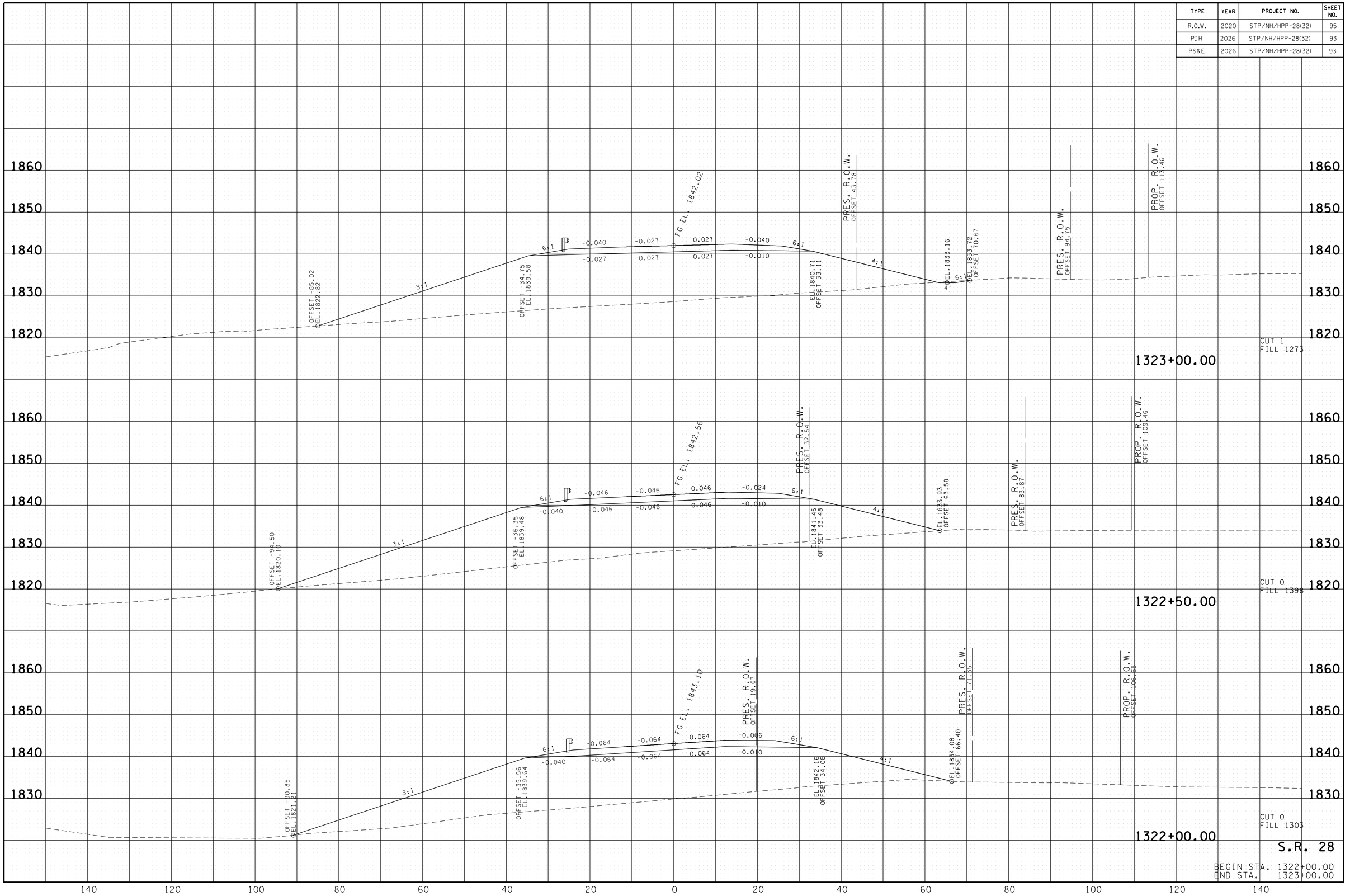
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	95
PIH	2026	STP/NH/HPP-28(32)	93
PS&E	2026	STP/NH/HPP-28(32)	93



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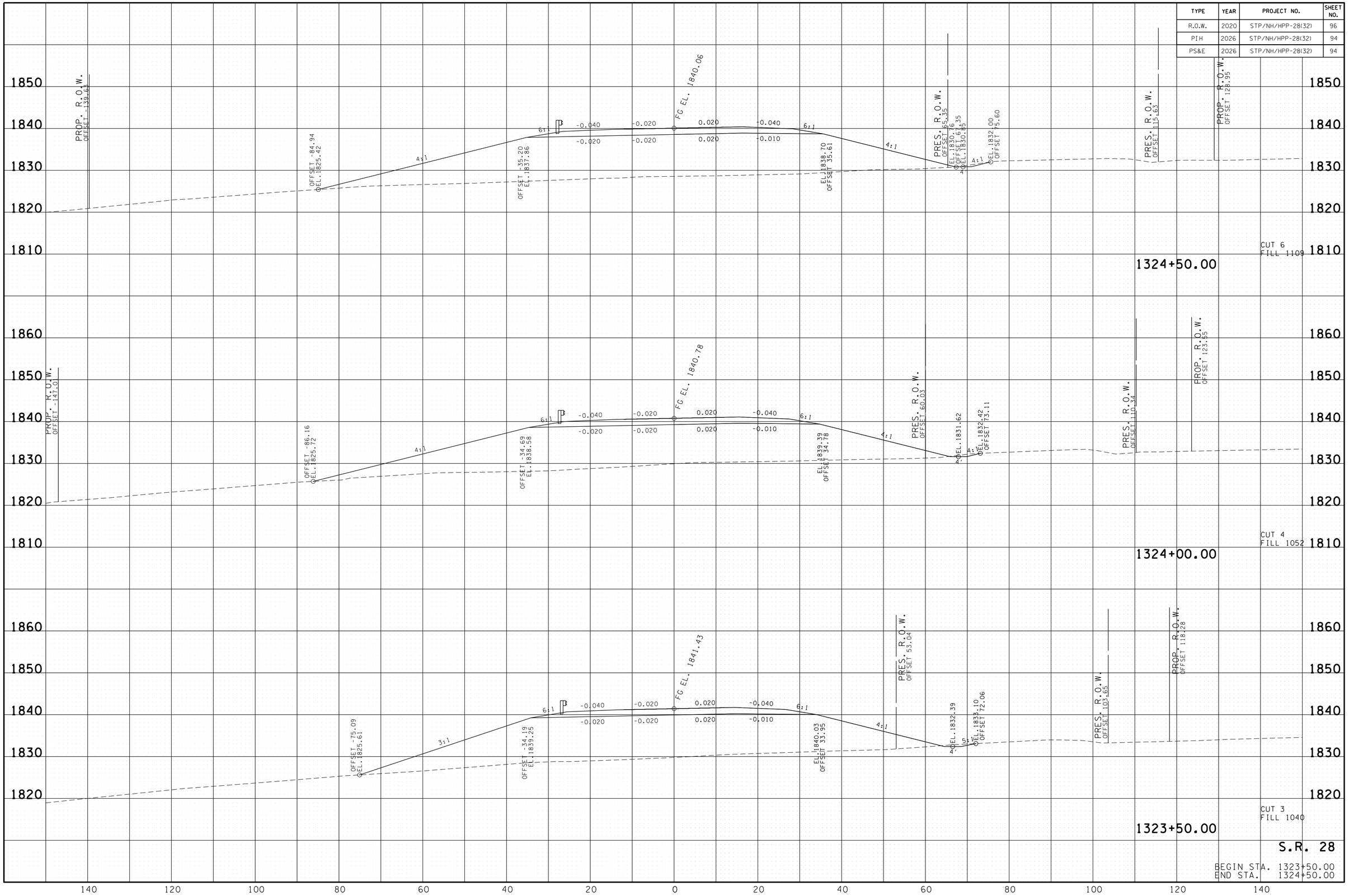
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	96
PIH	2026	STP/NH/HPP-28(32)	94
PS&E	2026	STP/NH/HPP-28(32)	94



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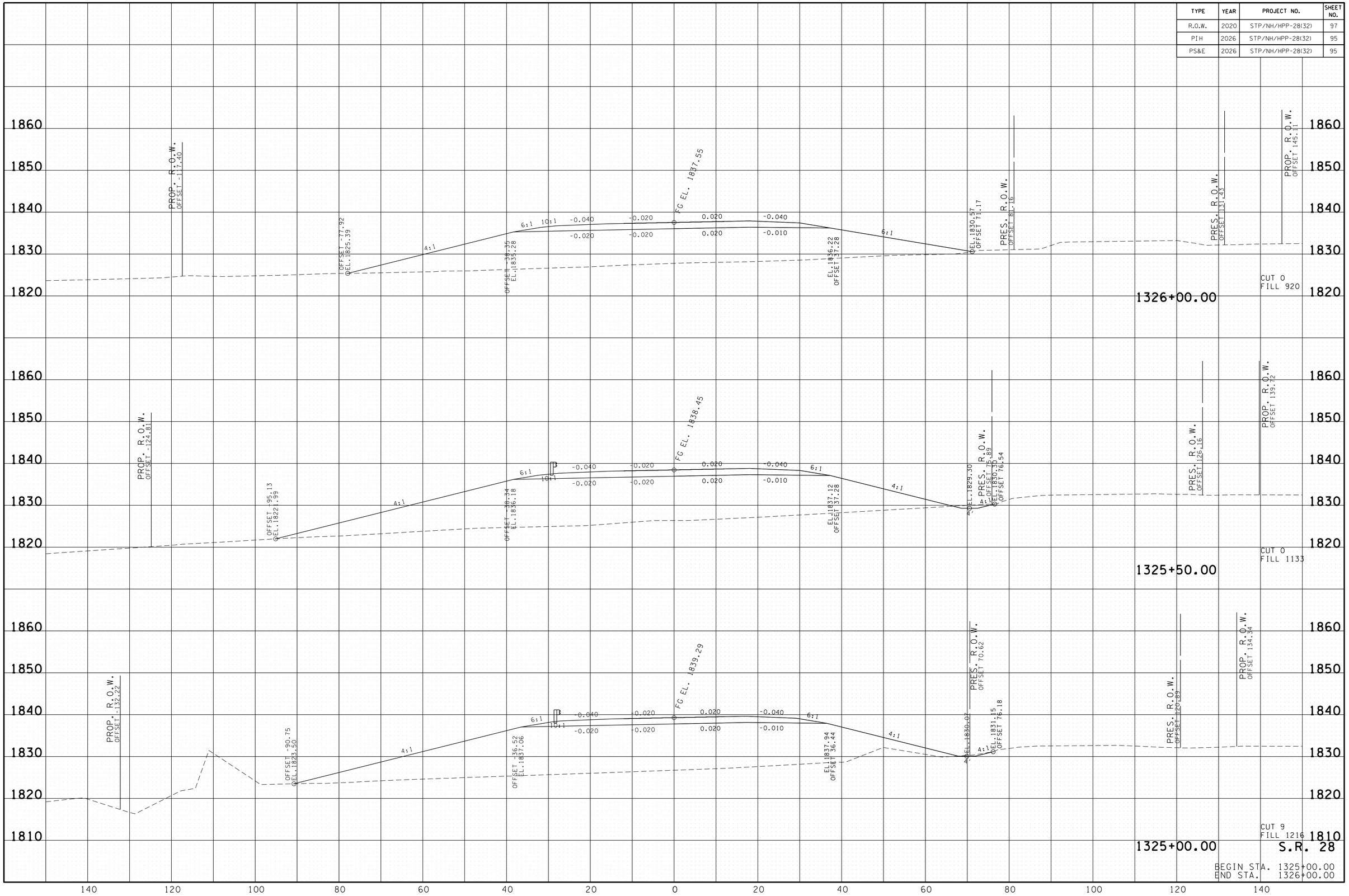
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	97
PIH	2026	STP/NH/HPP-28(32)	95
PS&E	2026	STP/NH/HPP-28(32)	95



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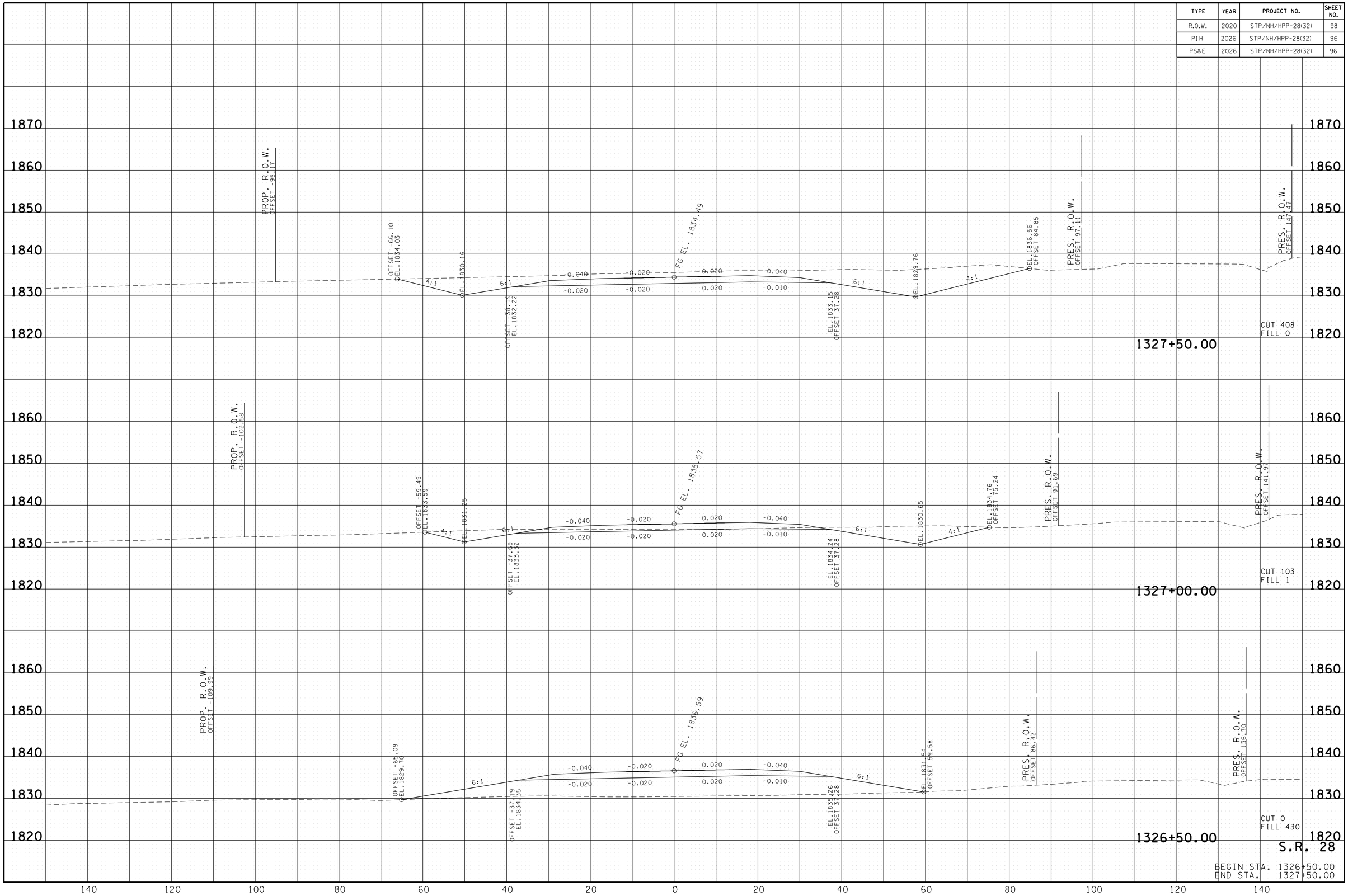
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	98
PIH	2026	STP/NH/HPP-28(32)	96
PS&E	2026	STP/NH/HPP-28(32)	96



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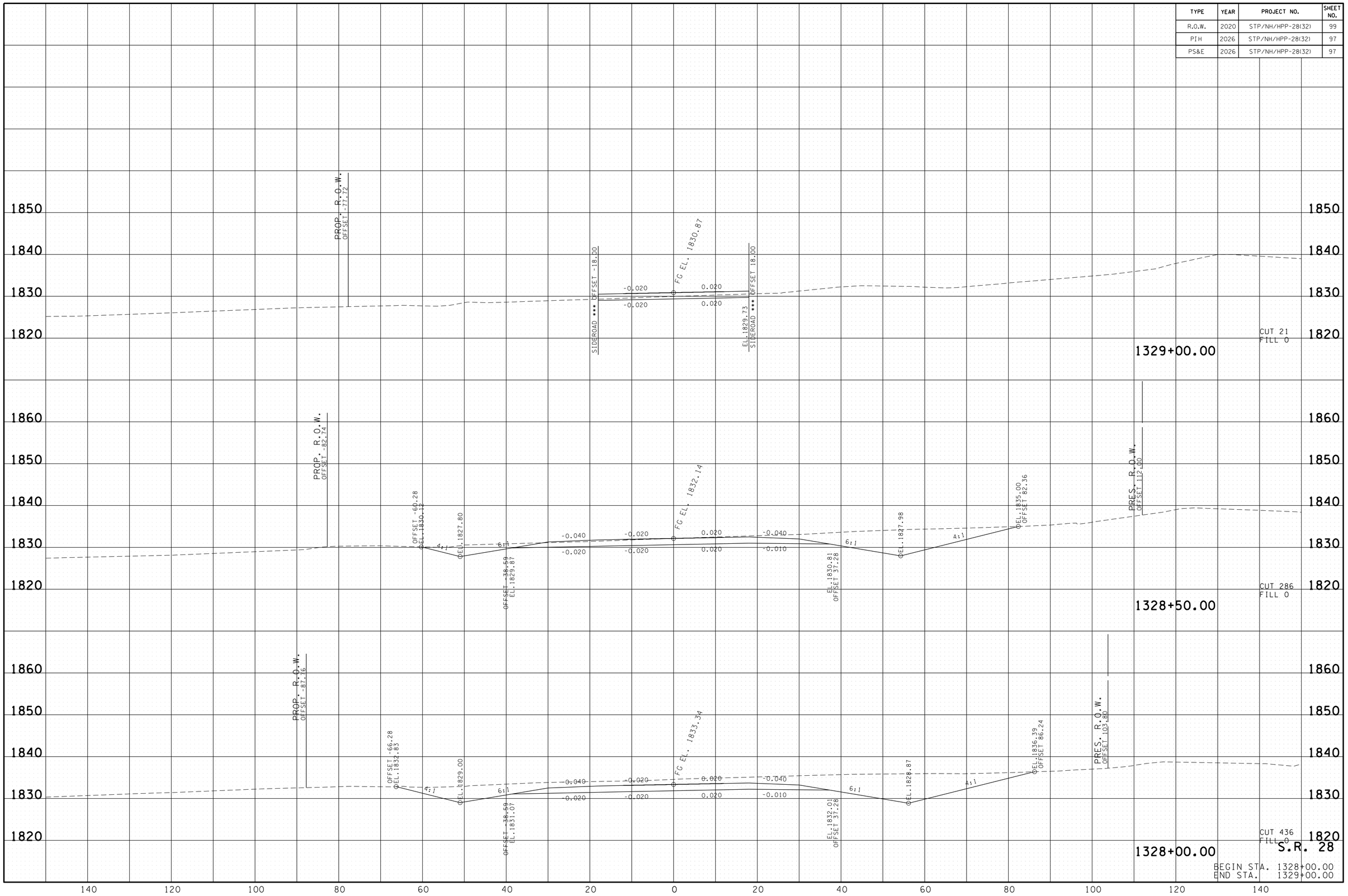
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	99
PIH	2026	STP/NH/HPP-28(32)	97
PS&E	2026	STP/NH/HPP-28(32)	97



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	100
PIH	2026	STP/NH/HPP-28(32)	98
PS&E	2026	STP/NH/HPP-28(32)	98

PROP. R.O.W.
OFFSET -106.24

OFFSET -69.03
EL. 1826.88

4:1

EL. 1822.37

6:1

OFFSET -38.59
EL. 1824.44

-0.040
-0.020
-0.020

FG EL. 1826.71

-0.020
-0.020
0.020
0.020
-0.040
-0.010

6:1

EL. 1825.38
OFFSET 37.28

EL. 1823.09

4:1

EL. 1831.51
OFFSET 84.69

CUT 679
FILL 0

1330+50.00

PRES. R.O.W.
OFFSET 145.96

SIDEROAD *** OFFSET -18.00

-0.020
-0.020

FG EL. 1828.16

0.020
0.020

SIDEROAD *** OFFSET 18.00

EL. 1827.02

CUT 104
FILL 0

1330+00.00

PRES. R.O.W.
OFFSET 133.05

SIDEROAD *** OFFSET -18.00
EL. 1827.69

-0.020
-0.020

FG EL. 1829.55

0.020
0.020

SIDEROAD *** OFFSET 18.00
EL. 1828.41

CUT 88
FILL 0

1329+50.00

S.R. 28

BEGIN STA. 1329+50.00
END STA. 1330+50.00

1850 1840 1830 1820 1810 1860 1870

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

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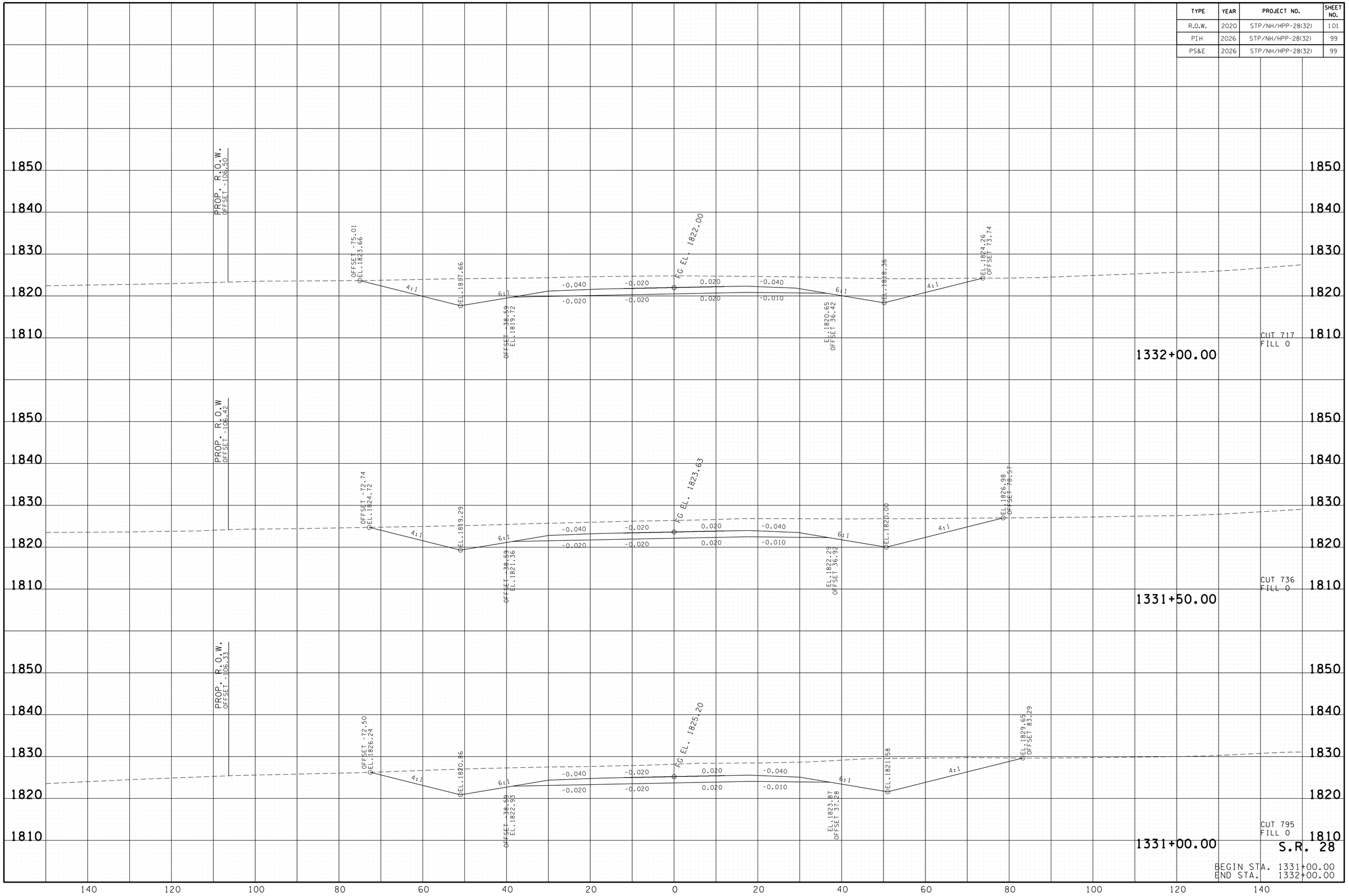
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	101
PIH	2026	STP/NH/HPP-28(32)	99
PS&E	2026	STP/NH/HPP-28(32)	99



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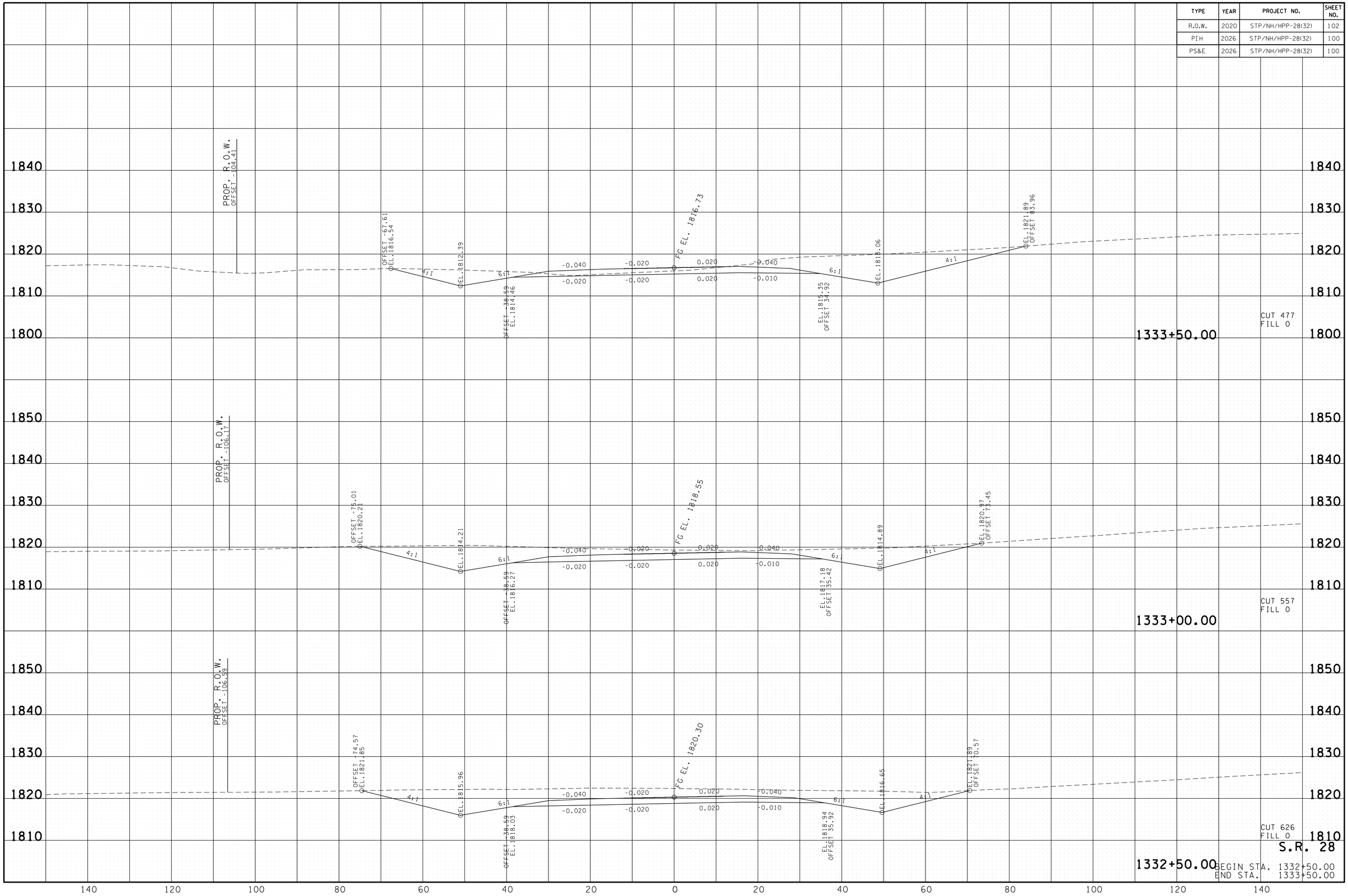
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	102
PIH	2026	STP/NH/HPP-28(32)	100
PS&E	2026	STP/NH/HPP-28(32)	100



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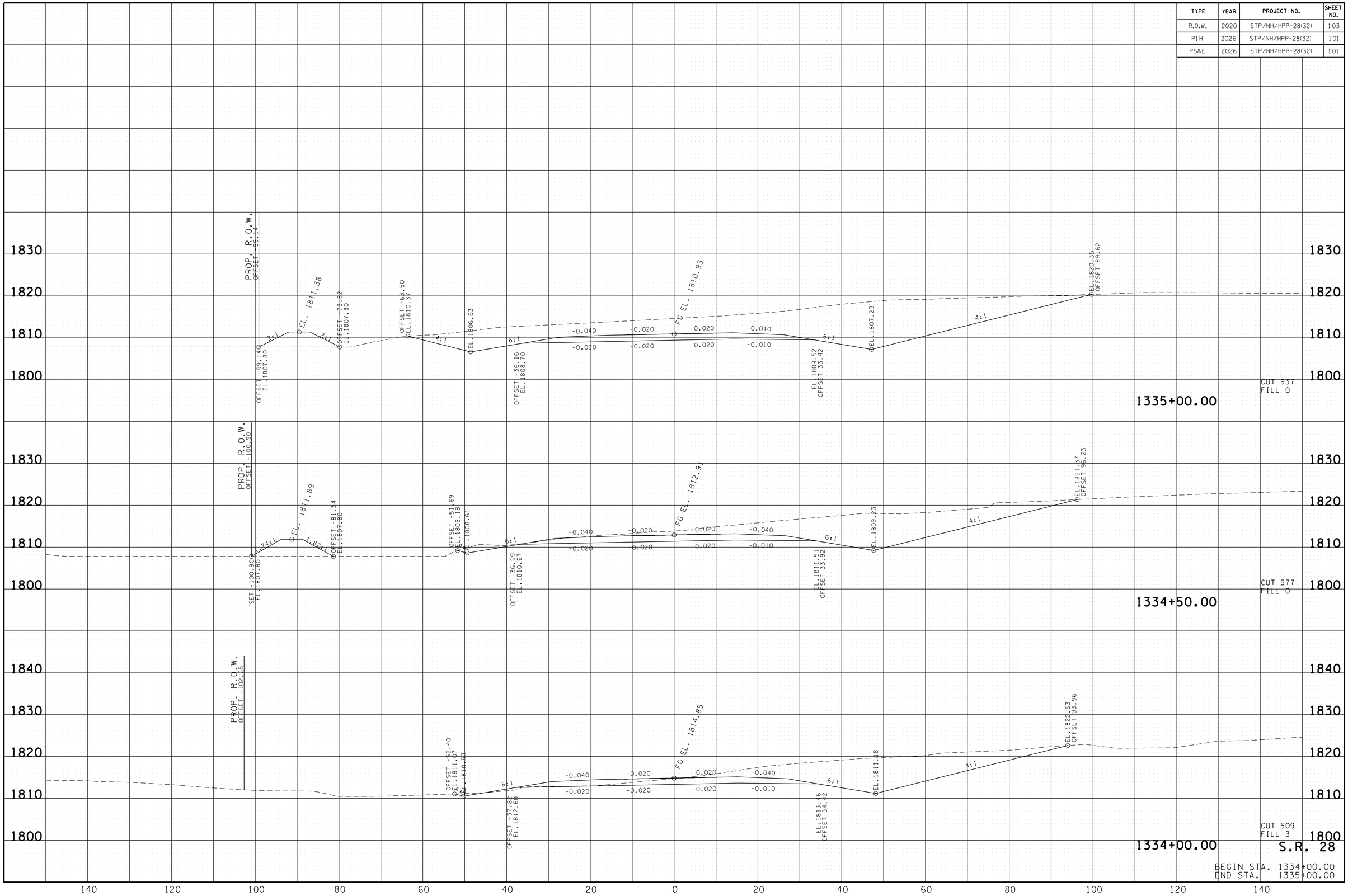
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	103
PIH	2026	STP/NH/HPP-28(32)	101
PS&E	2026	STP/NH/HPP-28(32)	101



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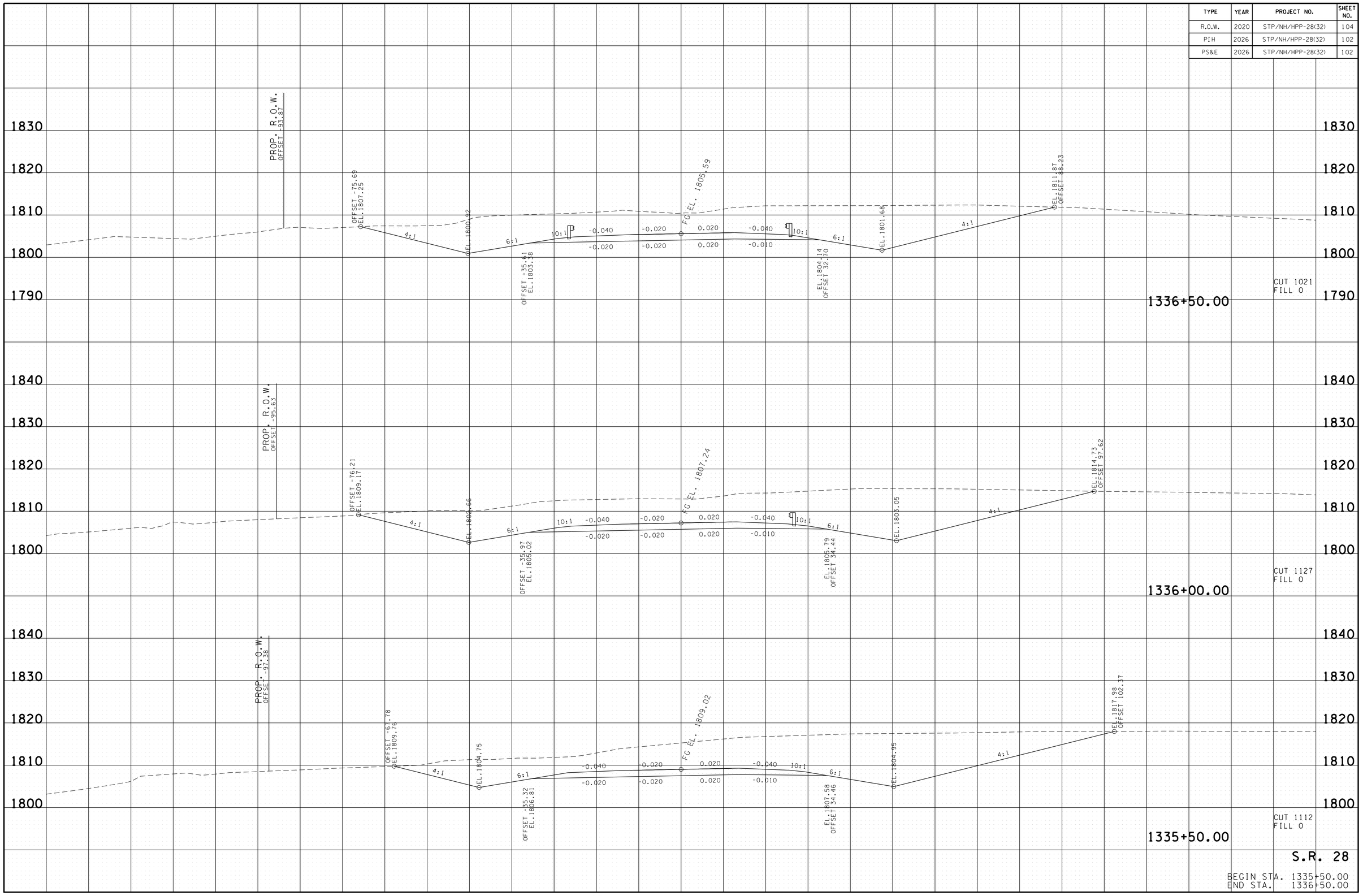
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	104
PIH	2026	STP/NH/HPP-28(32)	102
PS&E	2026	STP/NH/HPP-28(32)	102



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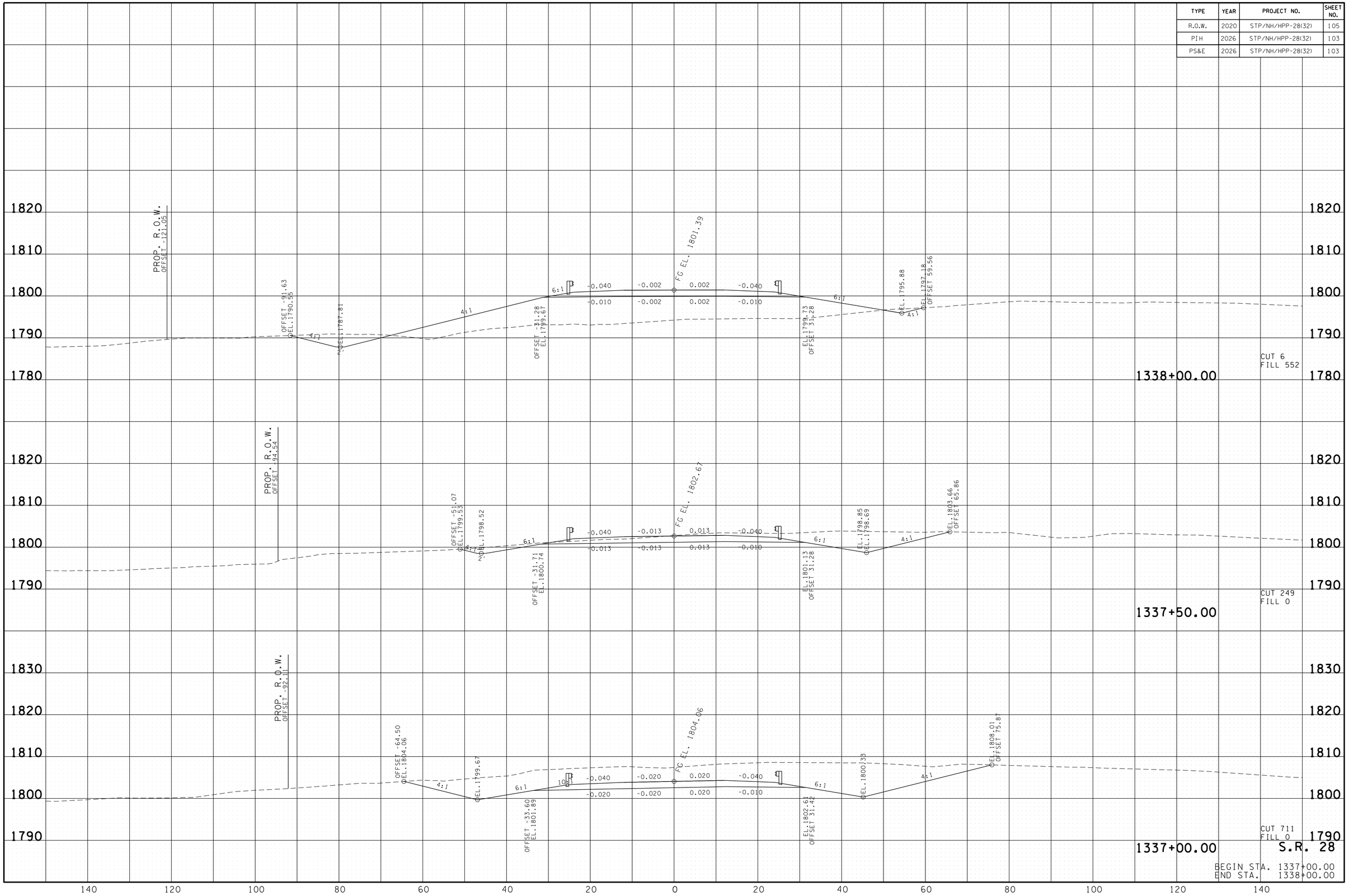
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	105
PIH	2026	STP/NH/HPP-28(32)	103
PS&E	2026	STP/NH/HPP-28(32)	103



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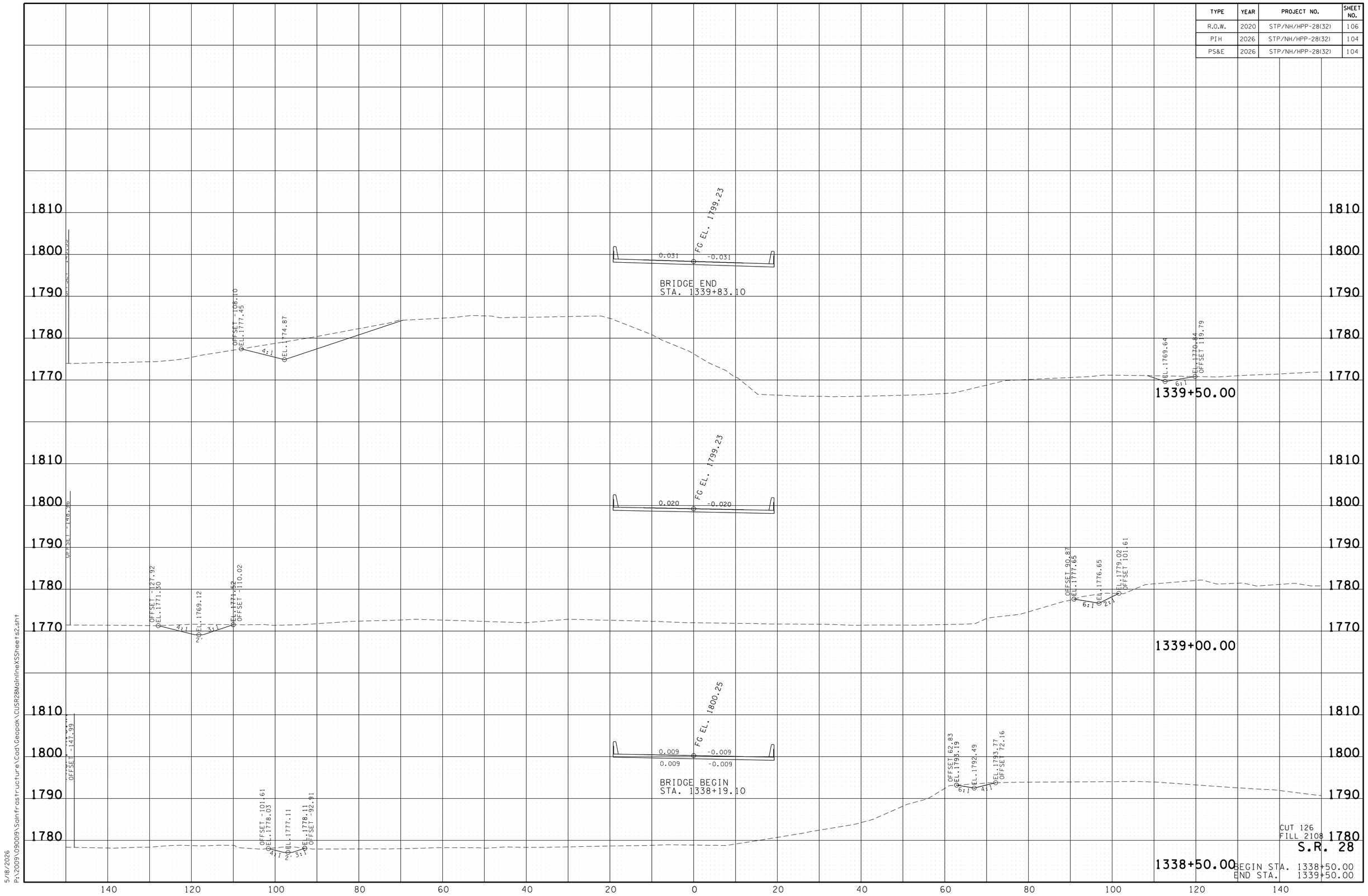
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	106
PIH	2026	STP/NH/HPP-28(32)	104
PS&E	2026	STP/NH/HPP-28(32)	104



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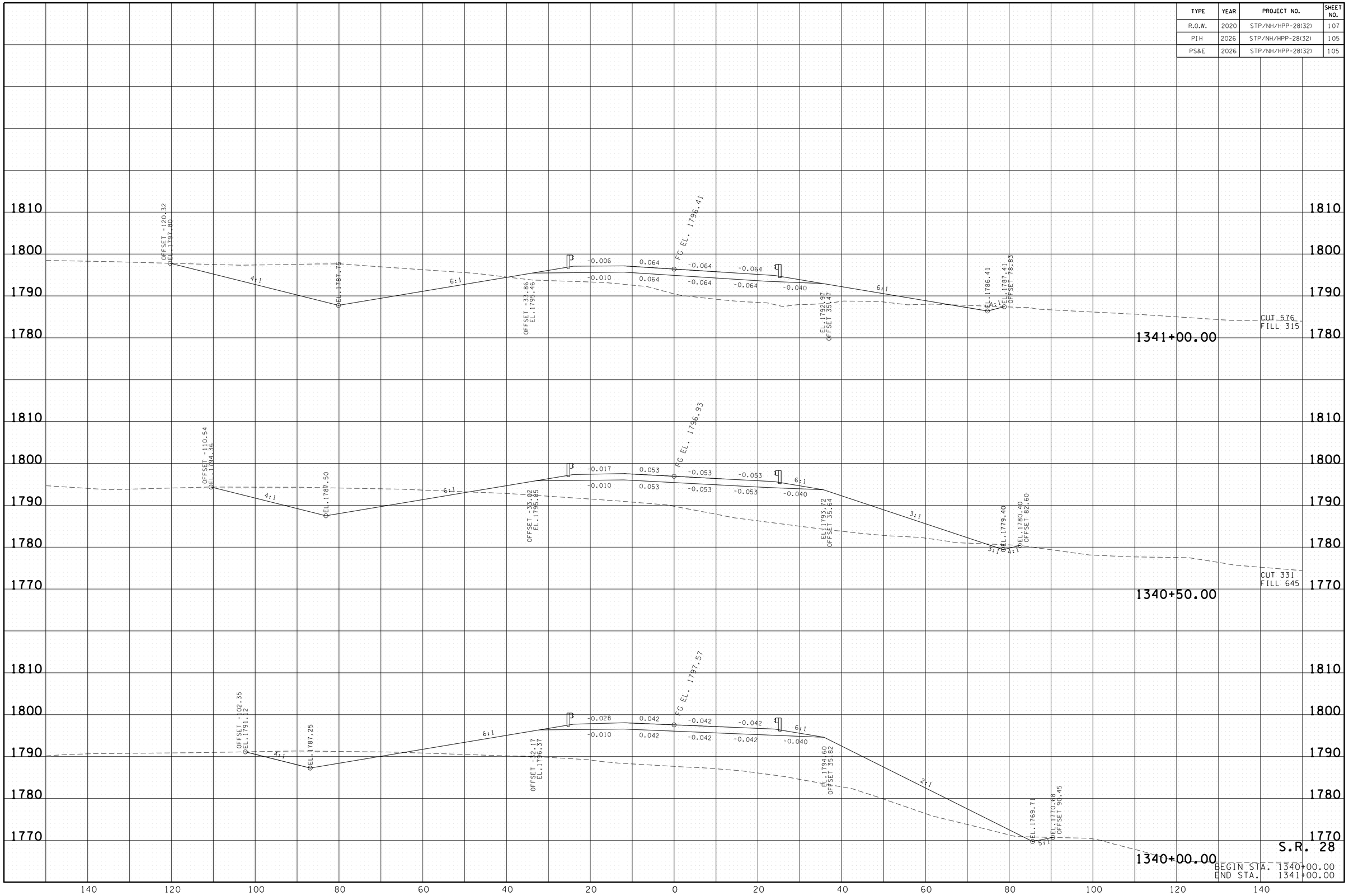
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	107
PIH	2026	STP/NH/HPP-28(32)	105
PS&E	2026	STP/NH/HPP-28(32)	105



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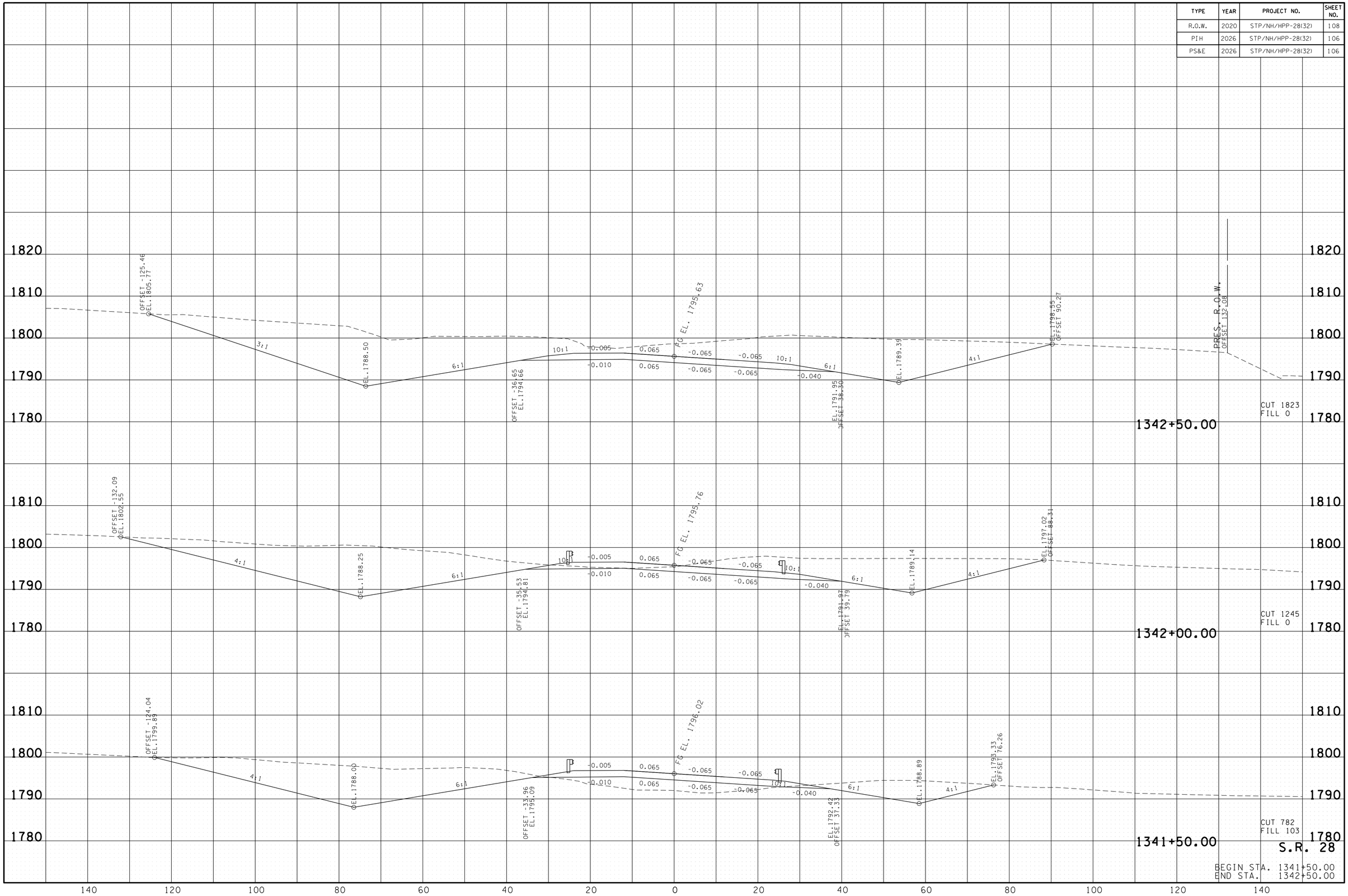
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	108
PIH	2026	STP/NH/HPP-28(32)	106
PS&E	2026	STP/NH/HPP-28(32)	106



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	109
PIH	2026	STP/NH/HPP-28(32)	107
PS&E	2026	STP/NH/HPP-28(32)	107

1344+00.00

SIDEROAD *** OFFSET 12.00
FG EL. 1795.98
0.050 0.050 -0.050 -0.050 -0.050 -0.050 -0.040
6:1
EL.1792.84 OFFSET 35.68
℄EL.1790.15
PRES. R.O.W. OFFSET 61.38
4:1
℄EL.1797.26 OFFSET 74.29
PRES. R.O.W. OFFSET 117.67
CUT 581 FILL 0

1343+50.00

OFFSET -111.4
℄EL.1810.72
2:1
℄EL.1789.00
6:1
OFFSET -33.64 EL.1794.75
-0.009 -0.010 0.061 0.061 -0.061 -0.061 -0.061 -0.061 -0.040
FG EL. 1795.74
EL.1792.36 OFFSET 35.51
6:1
℄EL.1789.89
4:1
℄EL.1795.41 OFFSET 72.41
PRES. R.O.W. OFFSET 42.05
CUT 2751 FILL 0

1343+00.00

OFFSET -108.60
℄EL.1807.68
2:1
℄EL.1788.75
6:1
OFFSET -35.23 EL.1794.67
10:1 10:1 -0.005 -0.010 0.065 0.065 -0.065 -0.065 -0.065 -0.065 -0.040
FG EL. 1795.62
EL.1792.12 OFFSET 35.89
6:1
℄EL.1789.64
4:1
℄EL.1798.63 OFFSET 86.73
PRES. R.O.W. OFFSET 109.74
CUT 2354 FILL 0

S.R. 28

BEGIN STA. 1343+00.00
END STA. 1344+00.00

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

5/8/2026
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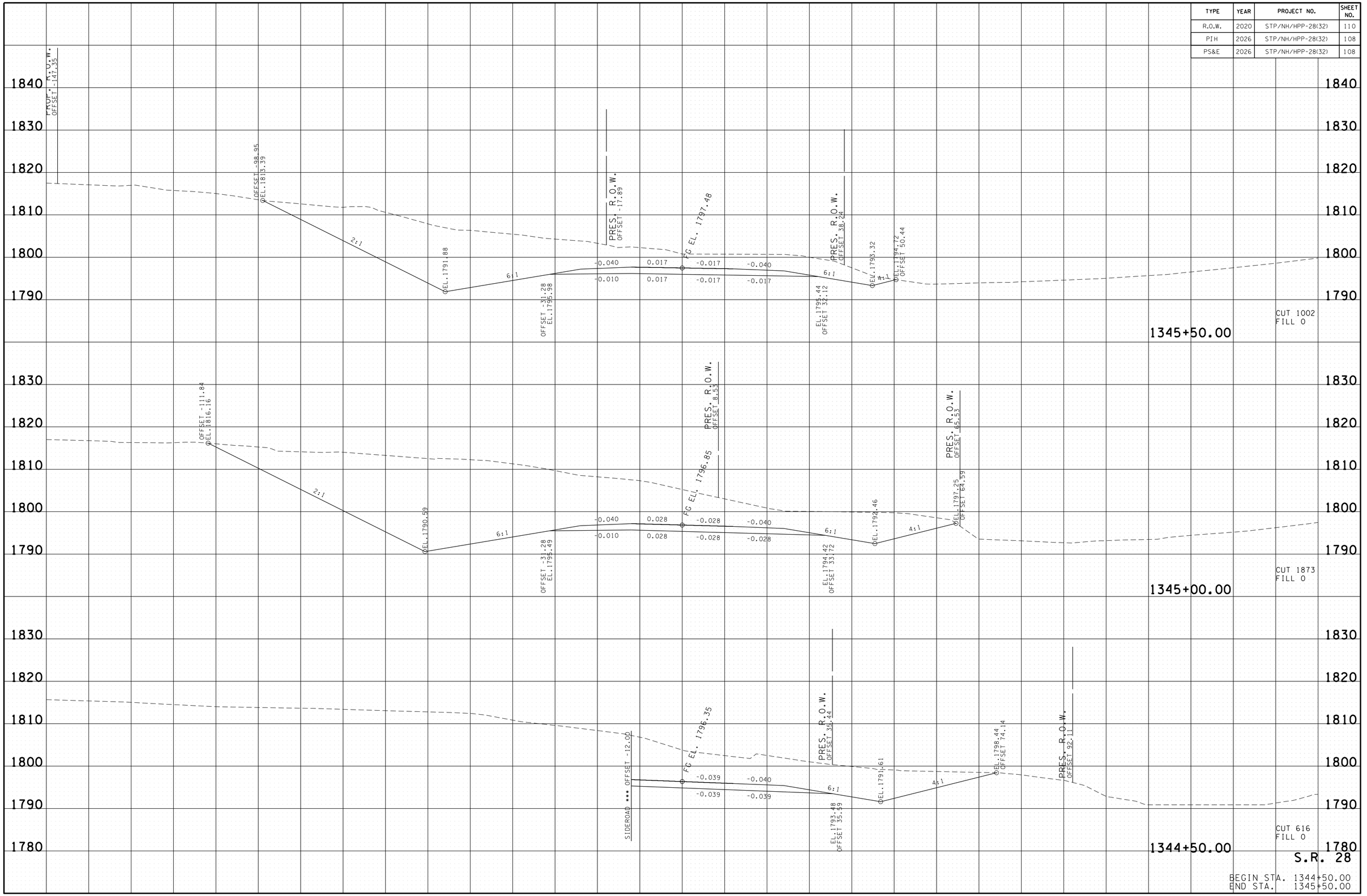
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	110
PIH	2026	STP/NH/HPP-28(32)	108
PS&E	2026	STP/NH/HPP-28(32)	108



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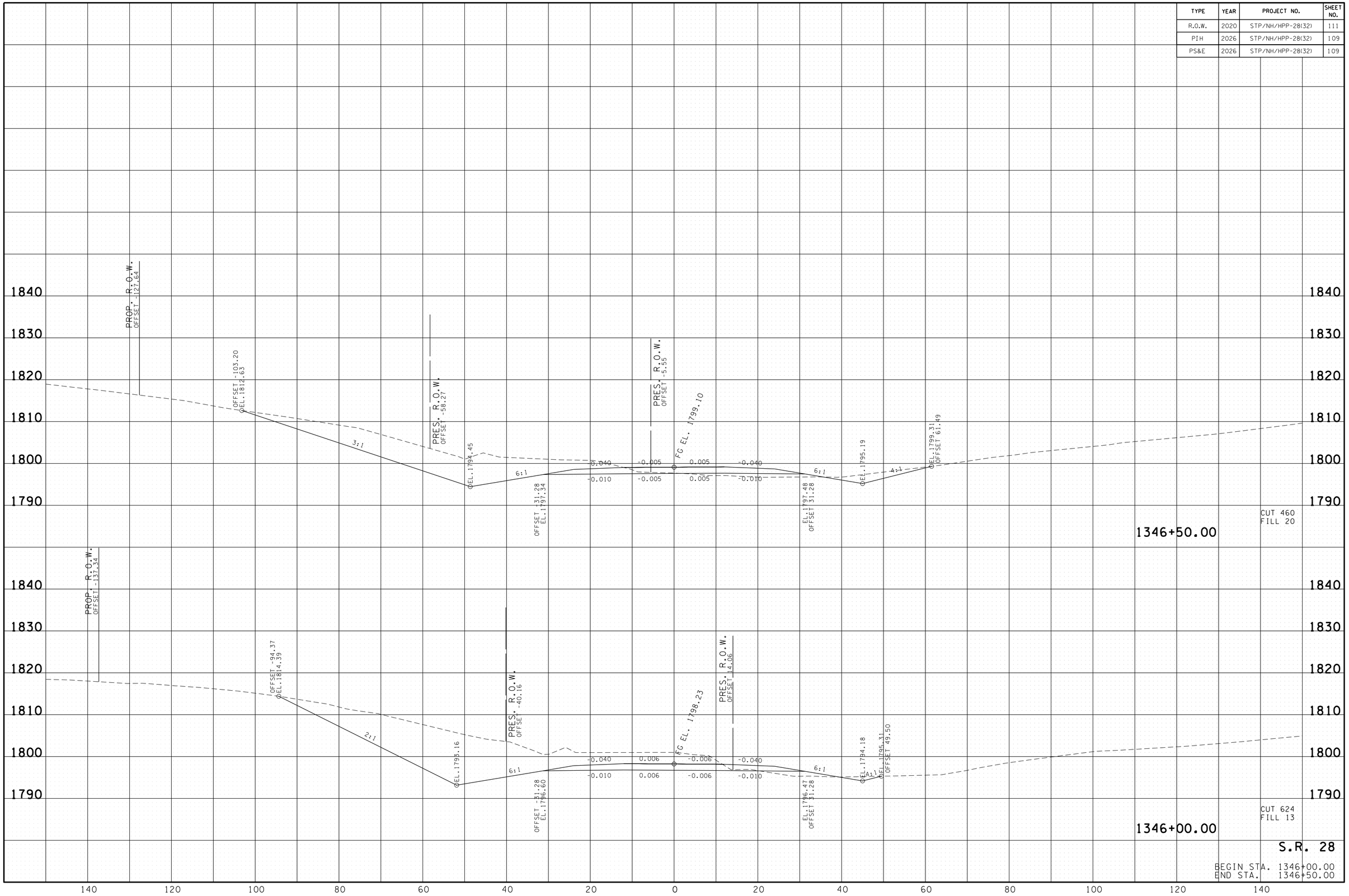
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	111
PIH	2026	STP/NH/HPP-28(32)	109
PS&E	2026	STP/NH/HPP-28(32)	109



S.R. 28

BEGIN STA. 1346+00.00
END STA. 1346+50.00

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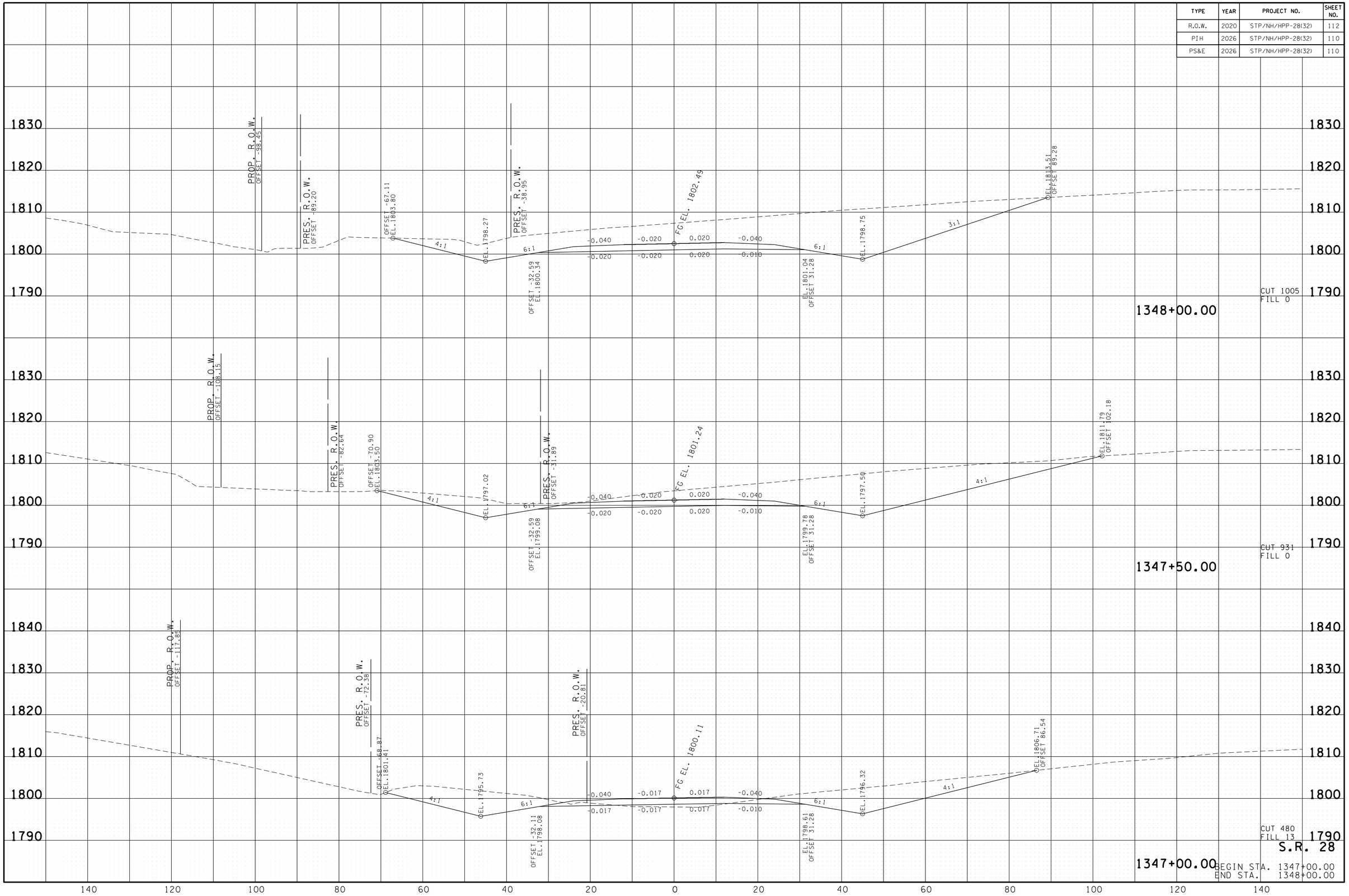
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	112
PIH	2026	STP/NH/HPP-28(32)	110
PS&E	2026	STP/NH/HPP-28(32)	110



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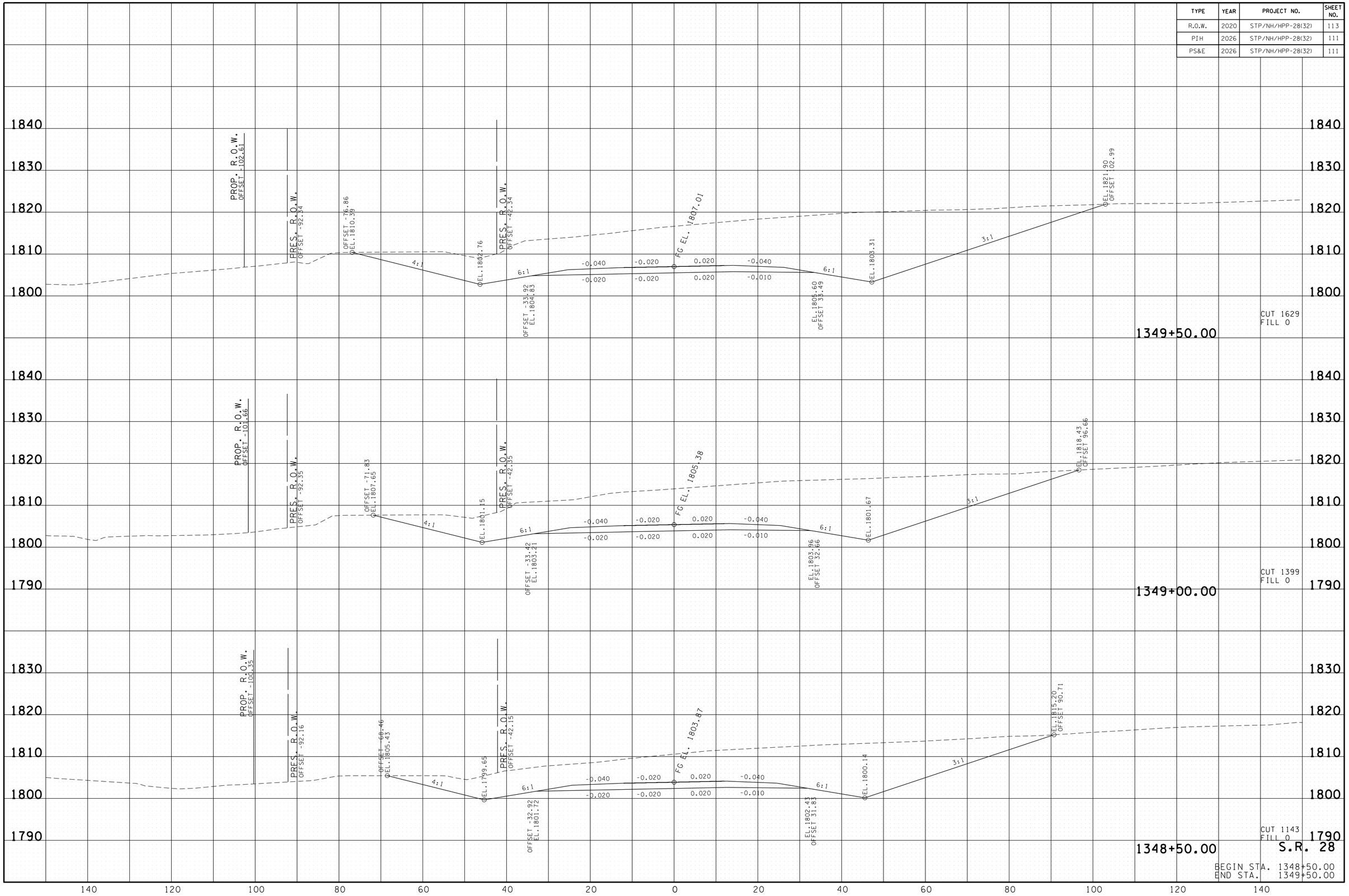
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	113
PIH	2026	STP/NH/HPP-28(32)	111
PS&E	2026	STP/NH/HPP-28(32)	111



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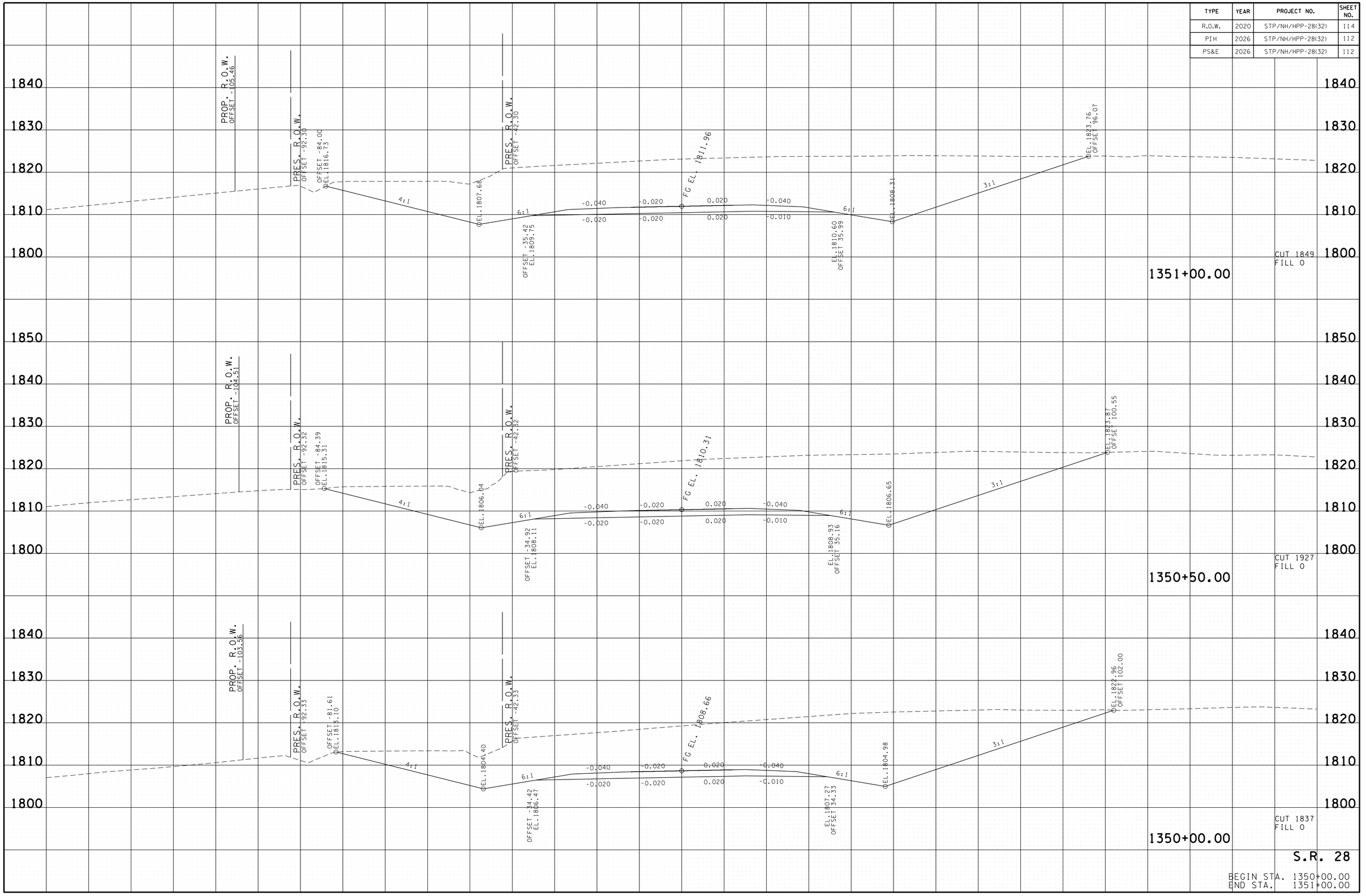
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	114
PIH	2026	STP/NH/HPP-28(32)	112
PS&E	2026	STP/NH/HPP-28(32)	112



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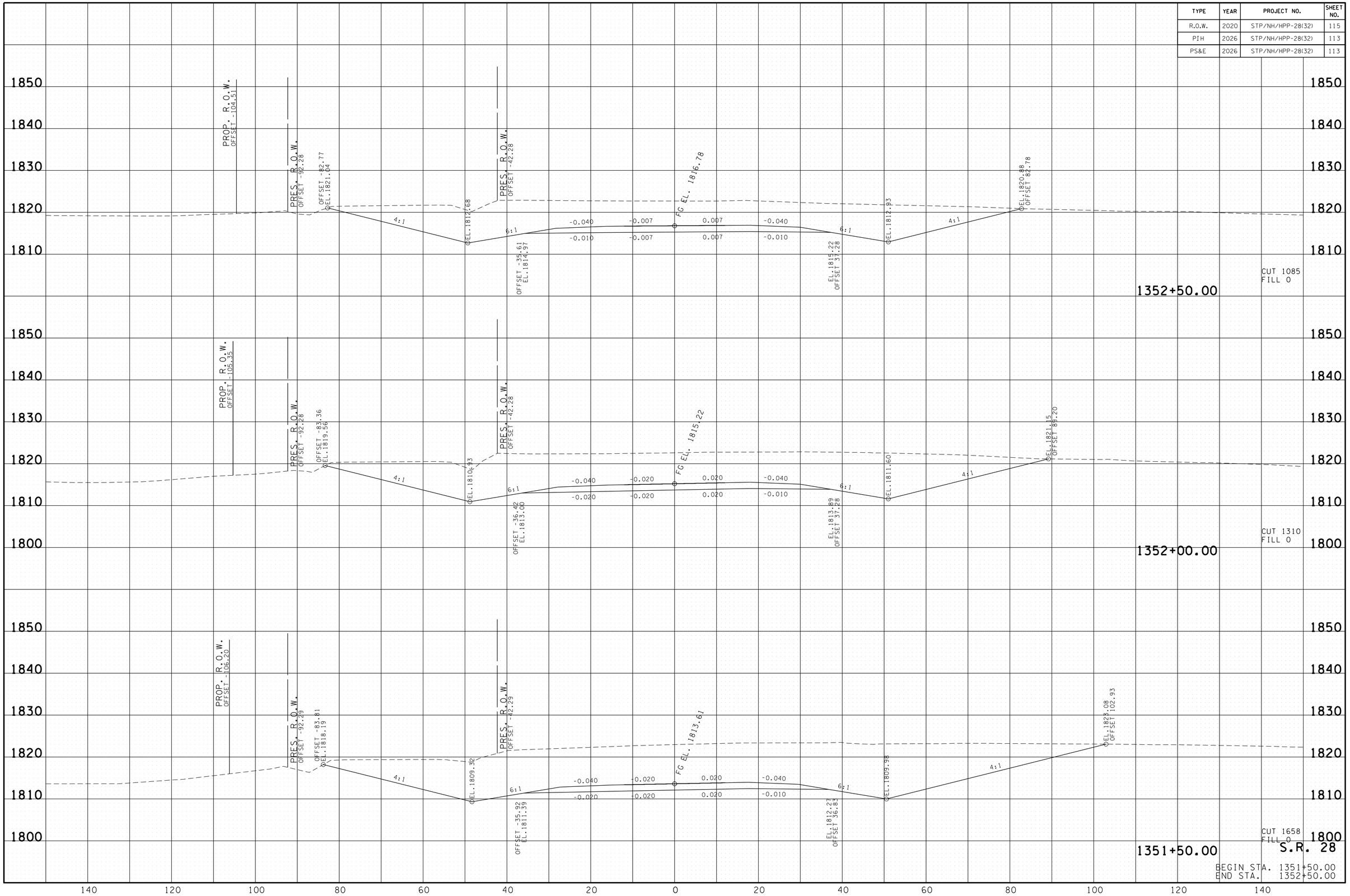
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	115
PIH	2026	STP/NH/HPP-28(32)	113
PS&E	2026	STP/NH/HPP-28(32)	113



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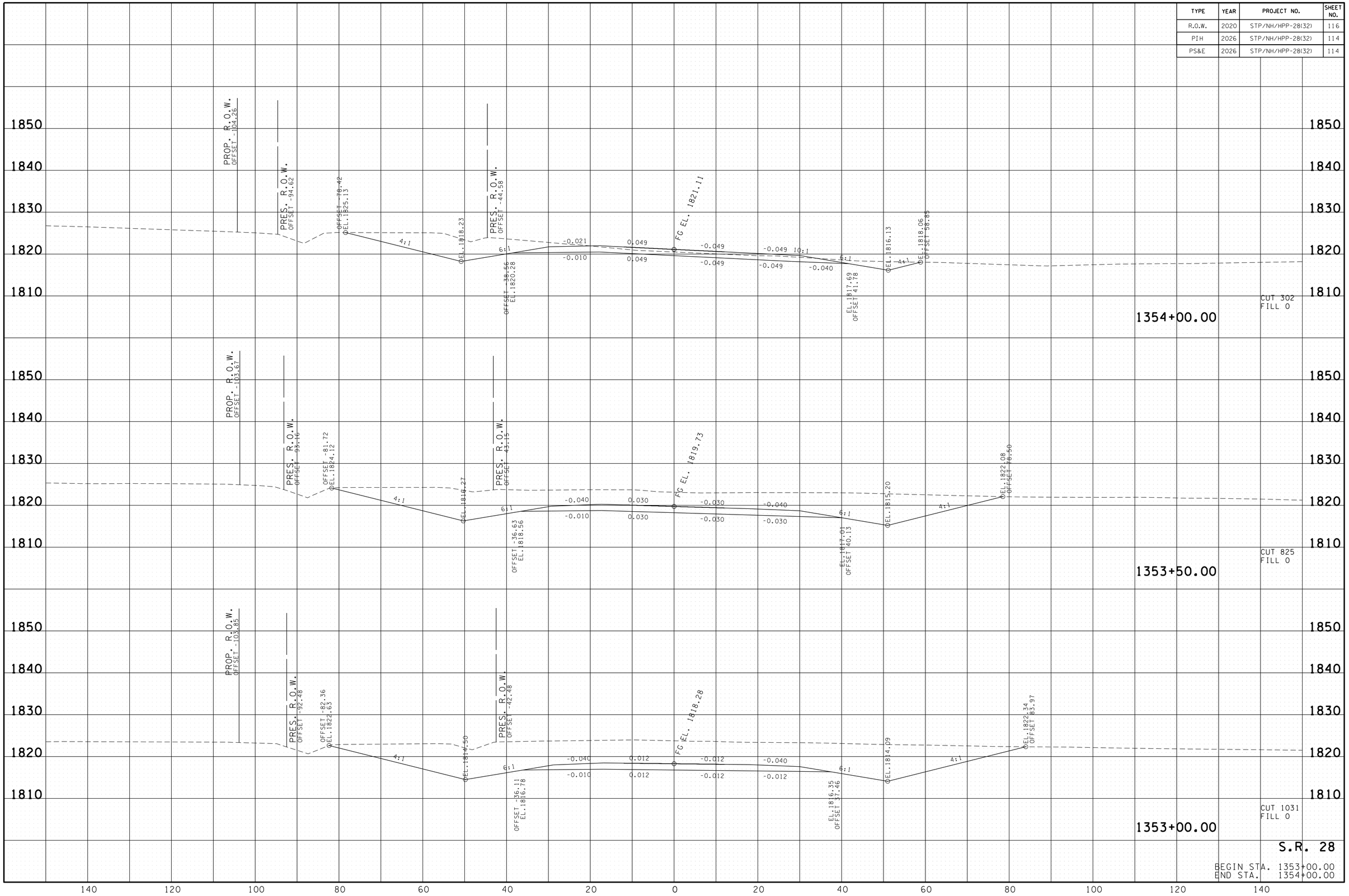
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	116
PIH	2026	STP/NH/HPP-28(32)	114
PS&E	2026	STP/NH/HPP-28(32)	114



S.R. 28

BEGIN STA. 1353+00.00
END STA. 1354+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	117
PIH	2026	STP/NH/HPP-28(32)	115
PS&E	2026	STP/NH/HPP-28(32)	115

1850
1840
1830
1820
1810
1800

PRES. R.O.W. OFFSET -106.23
PRES. R.O.W. OFFSET -55.92
SIDEROAD *** OFFSET -18.01
0.041
0.041
FG EL. 1824.94
-0.041
-0.041
-0.041
-0.041
10:1
6:1
-0.040
EL. 1821.66 OFFSET 43.65
EL. 1819.87
EL. 1820.80 OFFSET 58.15
4:1
CUT 58
FILL 0
1355+50.00

1850
1840
1830
1820
1810

PROP. R.O.W. OFFSET -108.94
PRES. R.O.W. OFFSET -101.05
OFFSET -77.49 EL. 1826.67
4:1
EL. 1820.72
6:1
PRES. R.O.W. OFFSET -50.86
OFFSET -39.55 EL. 1823.08
-0.010
-0.010
0.060
0.060
FG EL. 1823.72
-0.060
-0.060
-0.060
-0.060
10:1
6:1
-0.040
EL. 1819.69 OFFSET 46.17
EL. 1817.75
4:1
EL. 1819.76 OFFSET 65.84
CUT 157
FILL 0
1355+00.00

1850
1840
1830
1820
1810

PROP. R.O.W. OFFSET -105.93
PRES. R.O.W. OFFSET -97.17
OFFSET -73.73 EL. 1825.82
4:1
EL. 1820.13
6:1
PRES. R.O.W. OFFSET -47.07
OFFSET -40.16 EL. 1821.94
-0.002
-0.010
0.068
0.068
FG EL. 1822.44
-0.068
-0.068
-0.068
-0.068
10:1
6:1
-0.040
EL. 1818.31 OFFSET 43.99
EL. 1816.57
4:1
EL. 1817.85 OFFSET 59.61
CUT 134
FILL 58
1354+50.00

S.R. 28
BEGIN STA. 1354+50.00
END STA. 1355+50.00

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

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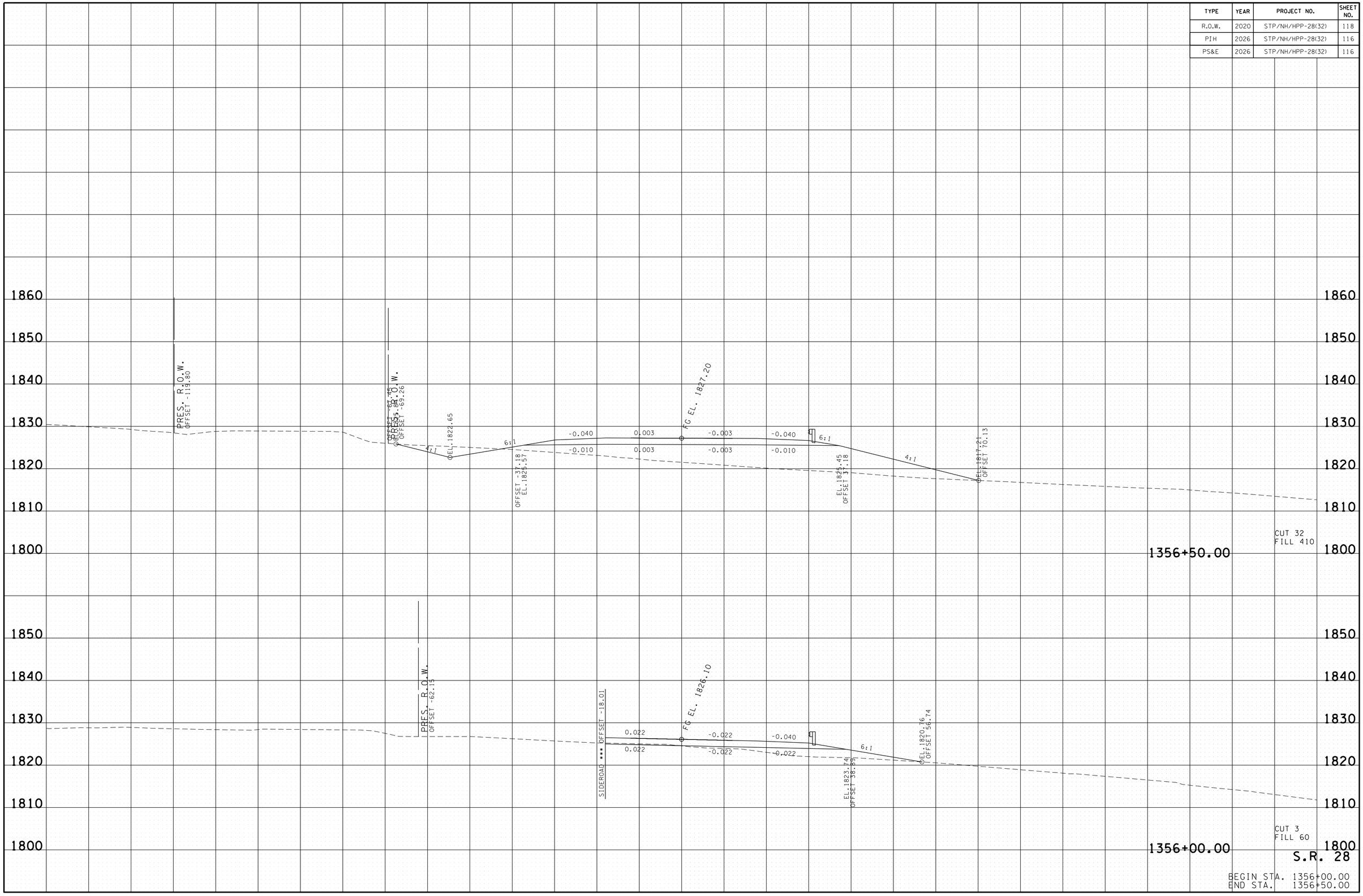
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	118
PIH	2026	STP/NH/HPP-28(32)	116
PS&E	2026	STP/NH/HPP-28(32)	116



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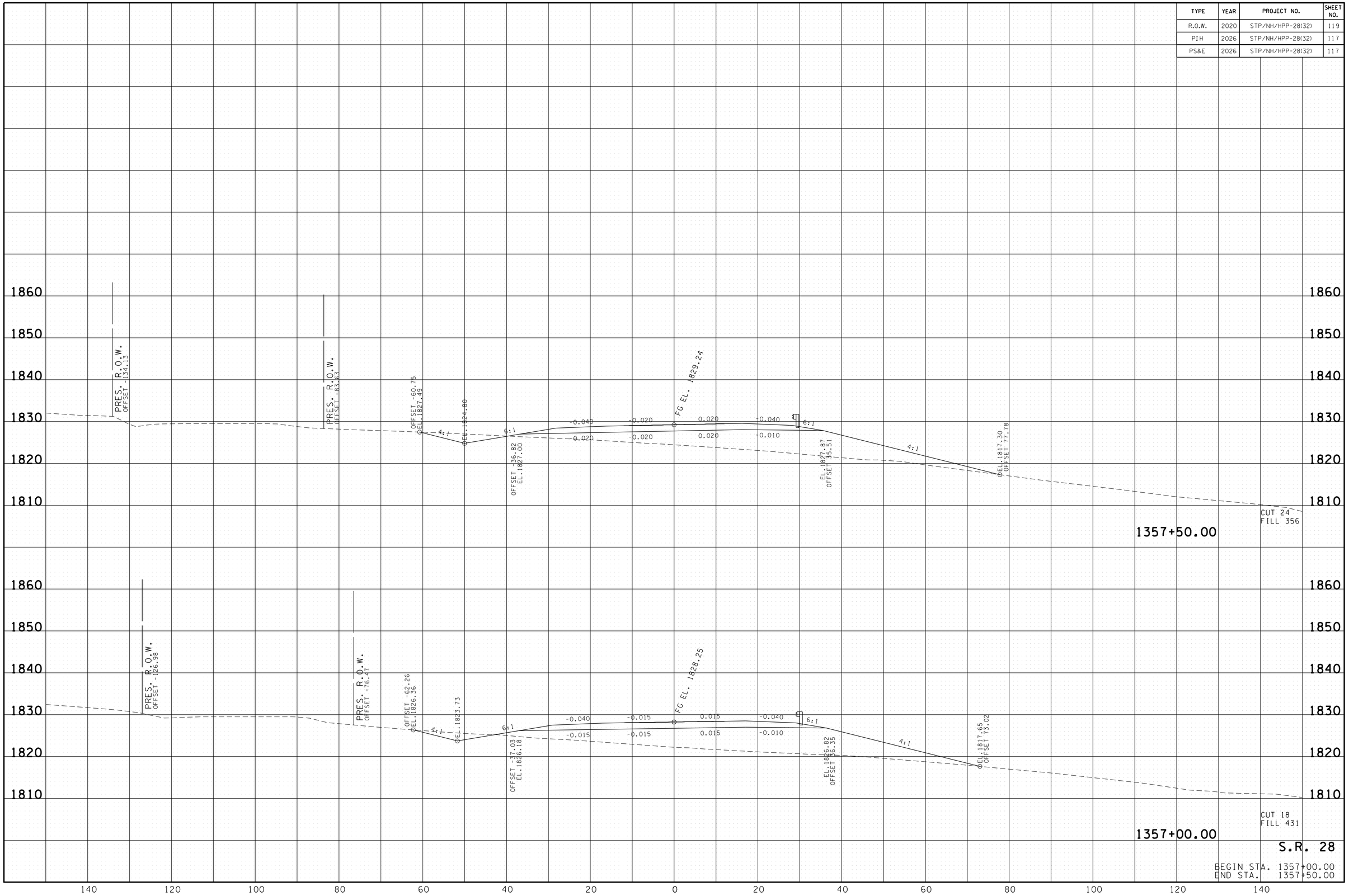
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	119
PIH	2026	STP/NH/HPP-28(32)	117
PS&E	2026	STP/NH/HPP-28(32)	117



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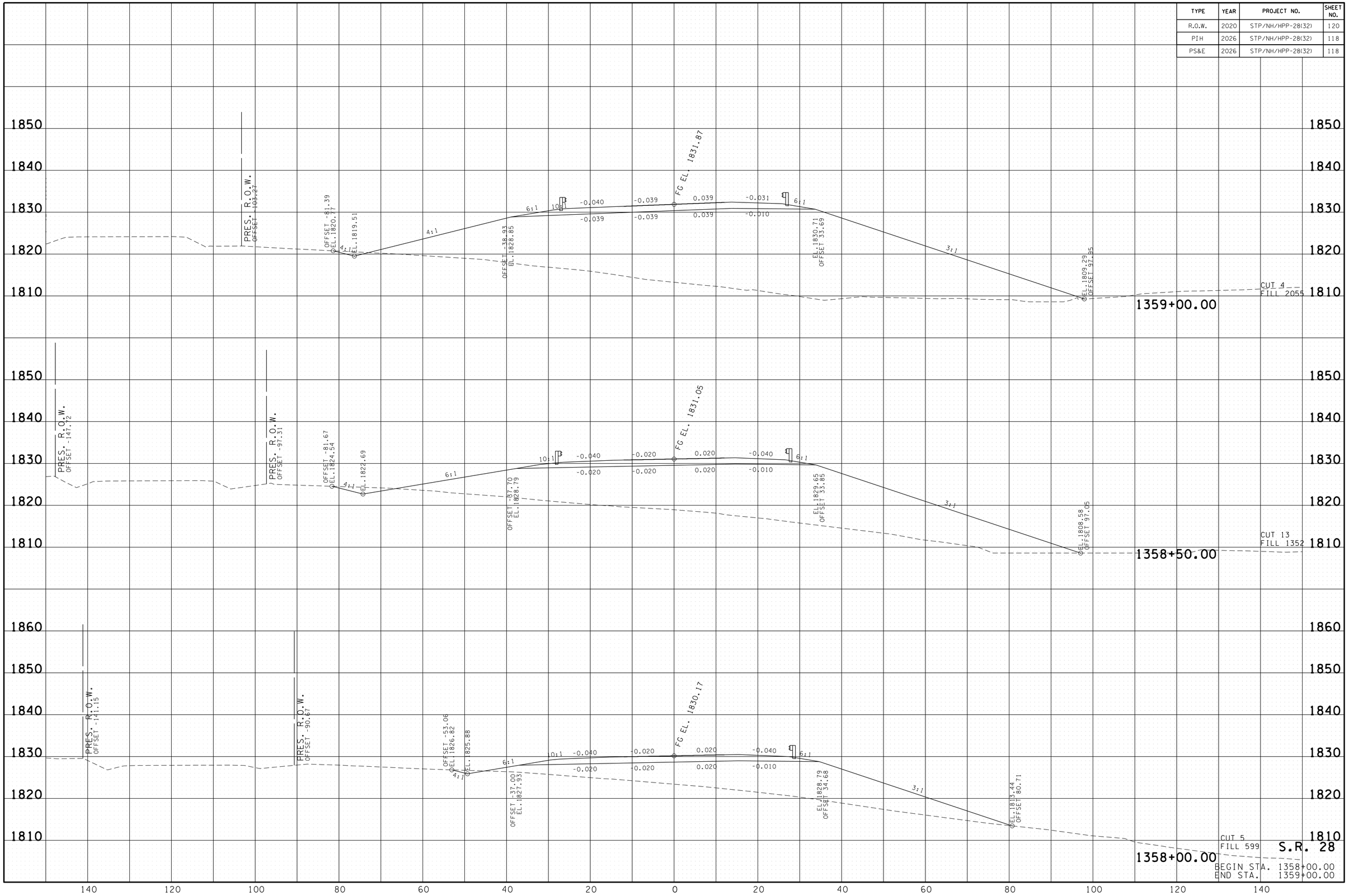
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	120
PIH	2026	STP/NH/HPP-28(32)	118
PS&E	2026	STP/NH/HPP-28(32)	118



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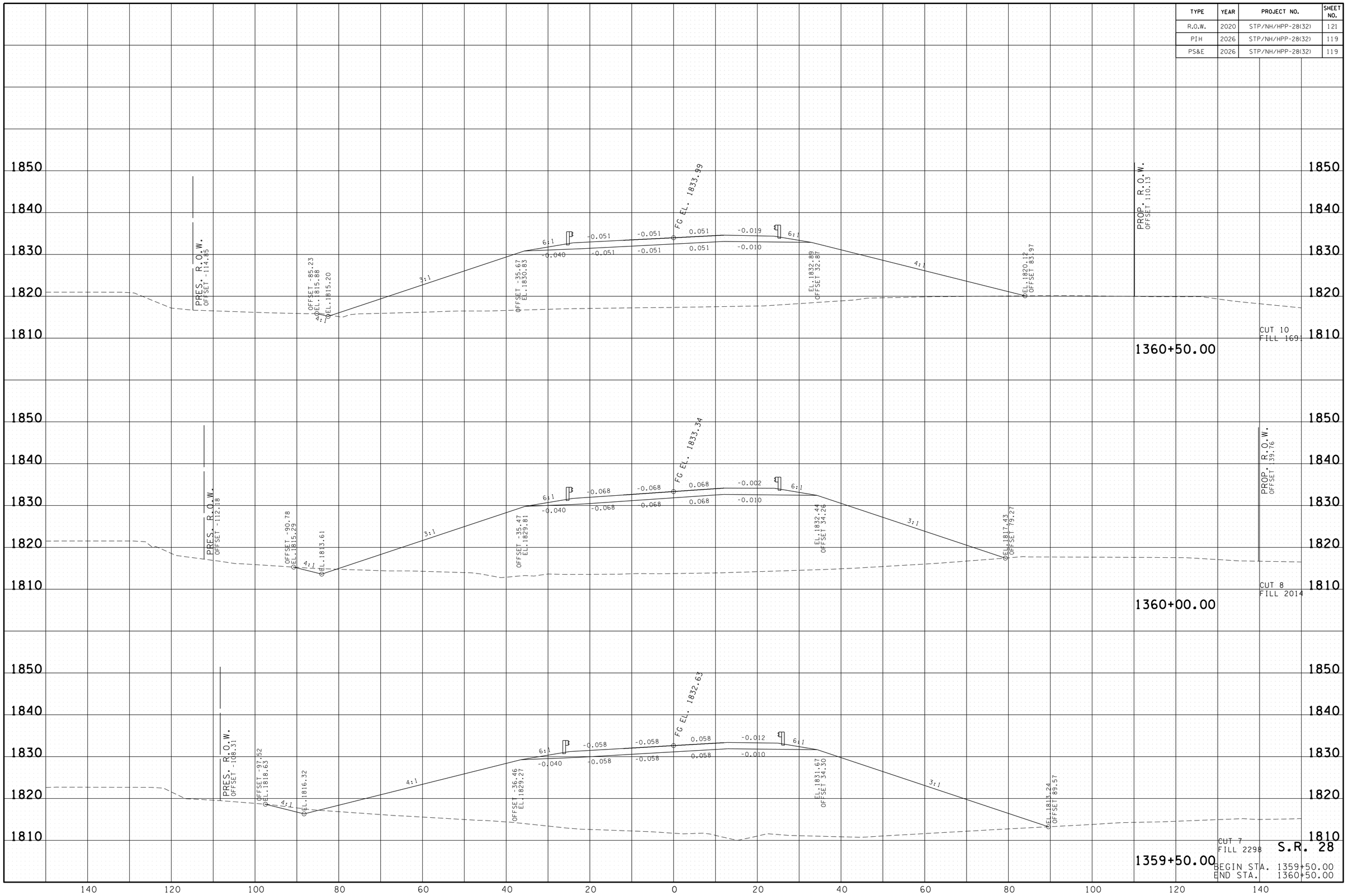
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	121
PIH	2026	STP/NH/HPP-28(32)	119
PS&E	2026	STP/NH/HPP-28(32)	119



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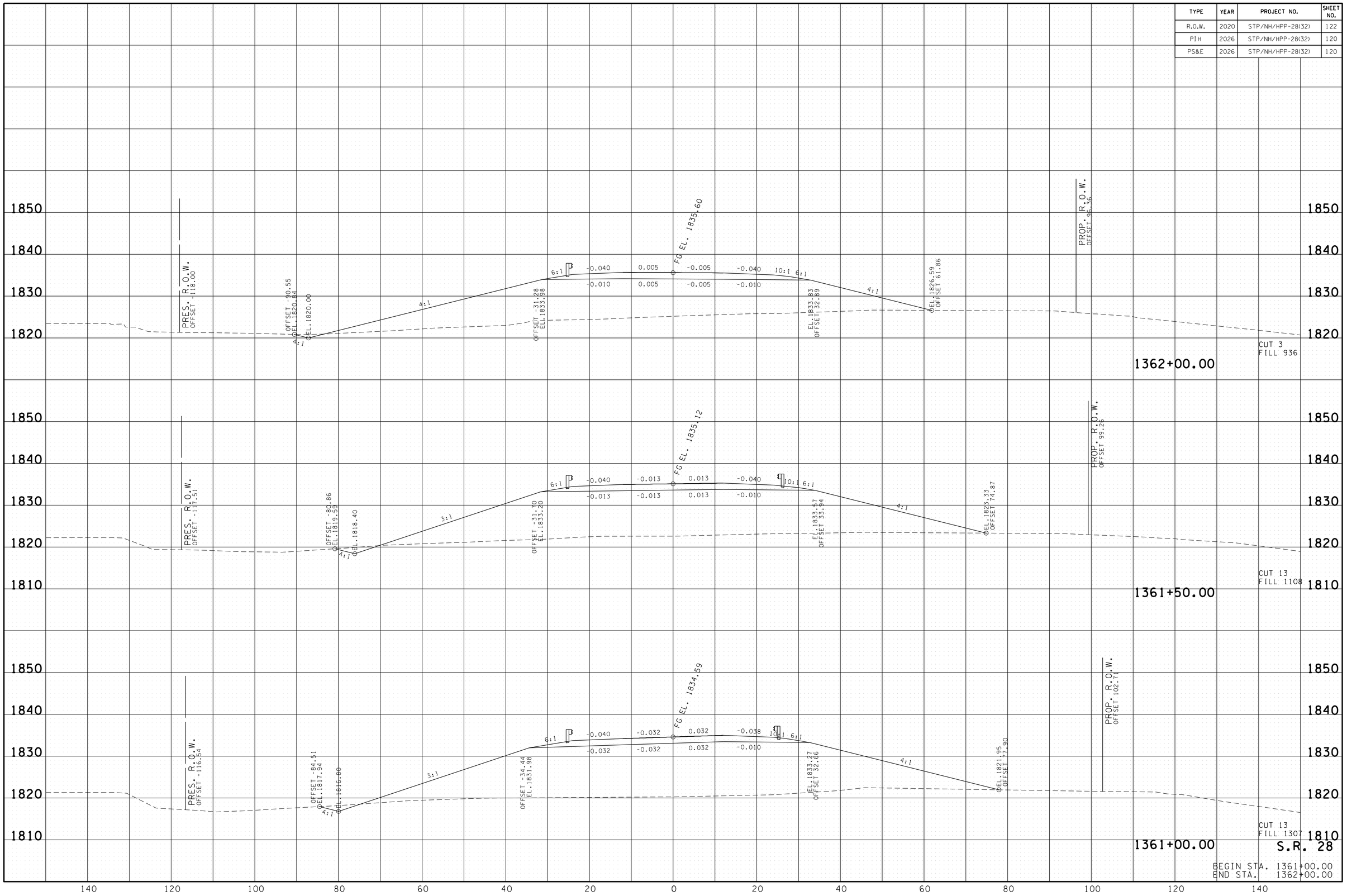
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	122
PIH	2026	STP/NH/HPP-28(32)	120
PS&E	2026	STP/NH/HPP-28(32)	120



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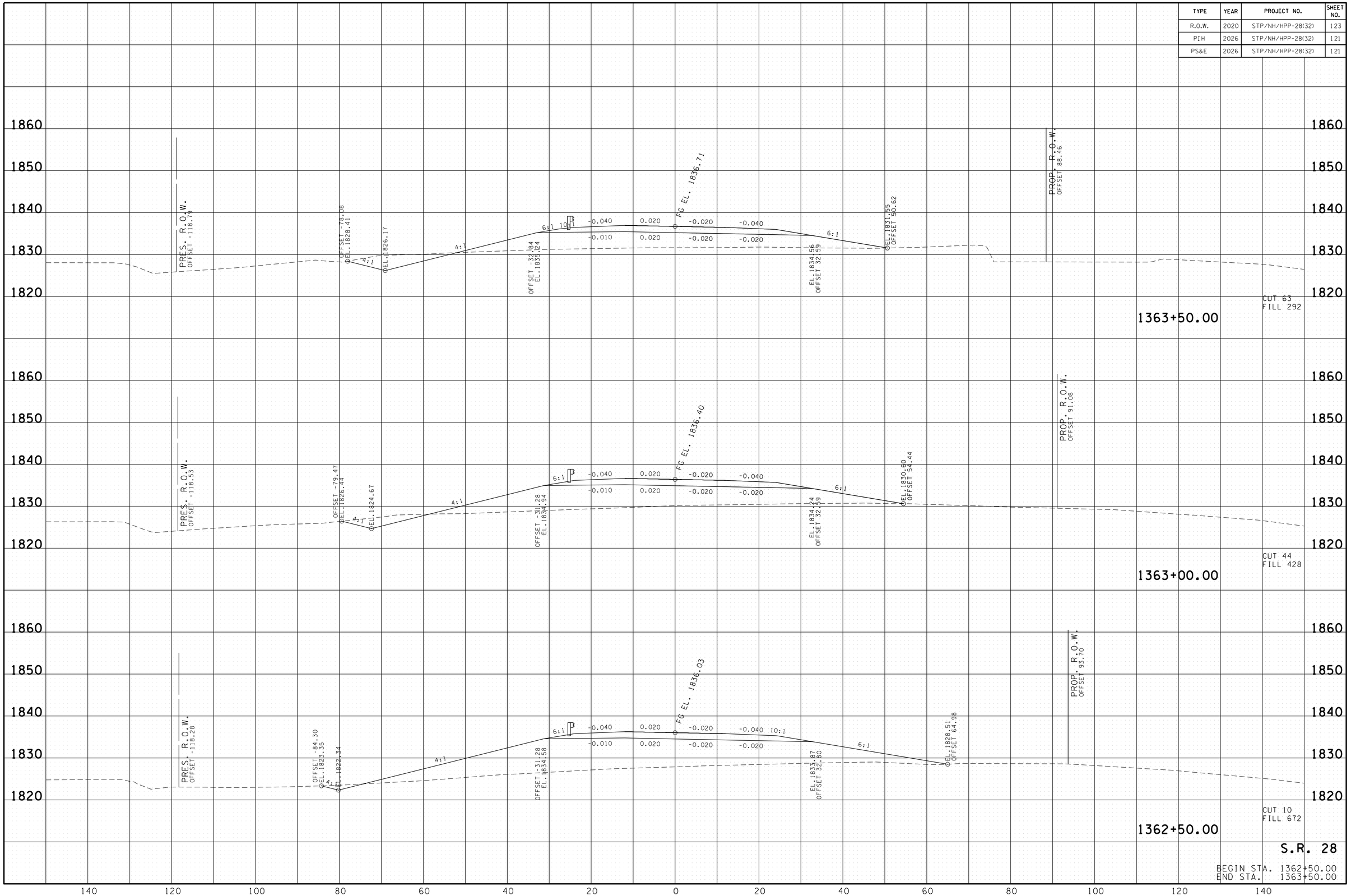
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	123
PIH	2026	STP/NH/HPP-28(32)	121
PS&E	2026	STP/NH/HPP-28(32)	121



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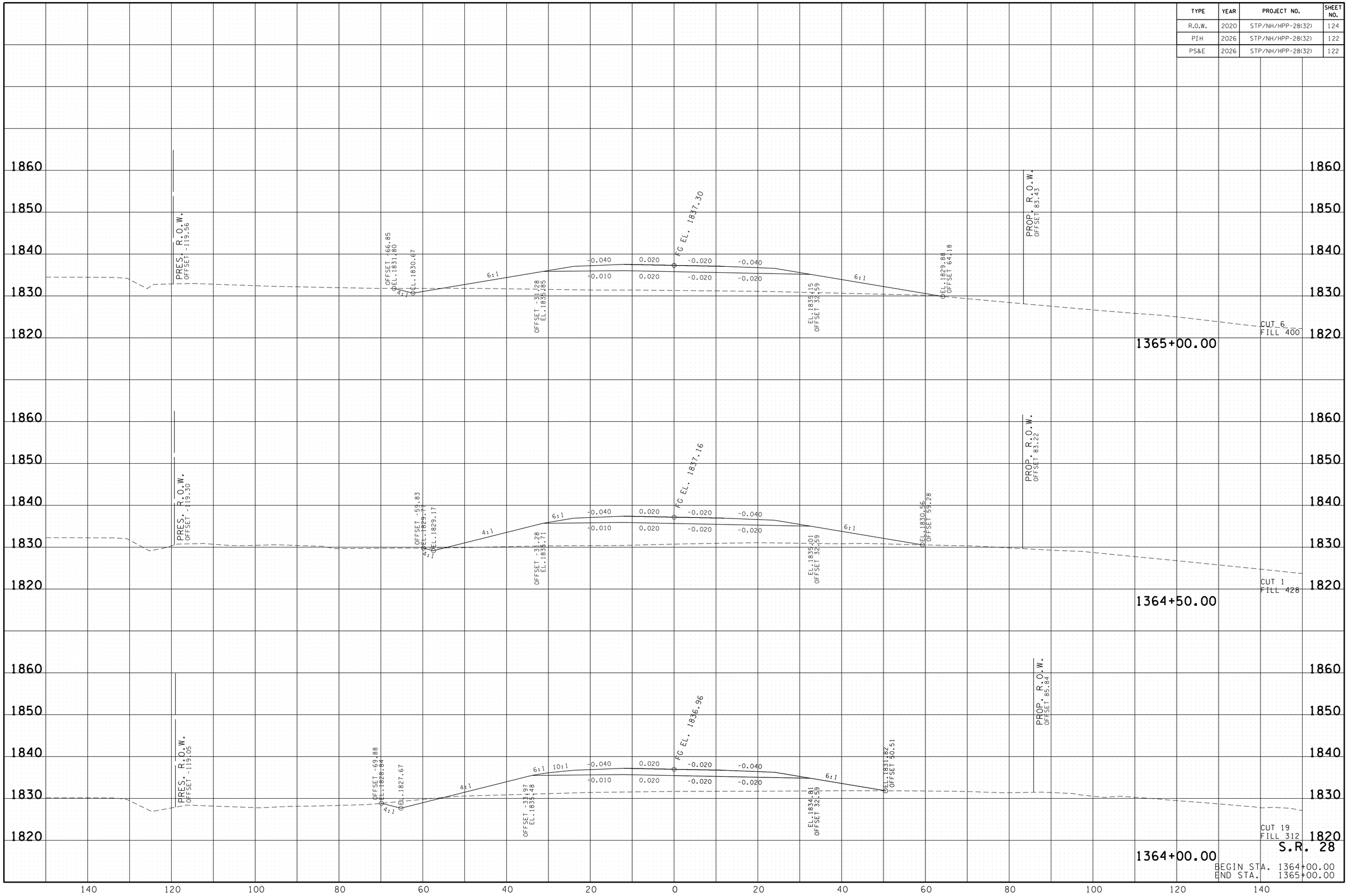
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	124
PIH	2026	STP/NH/HPP-28(32)	122
PS&E	2026	STP/NH/HPP-28(32)	122



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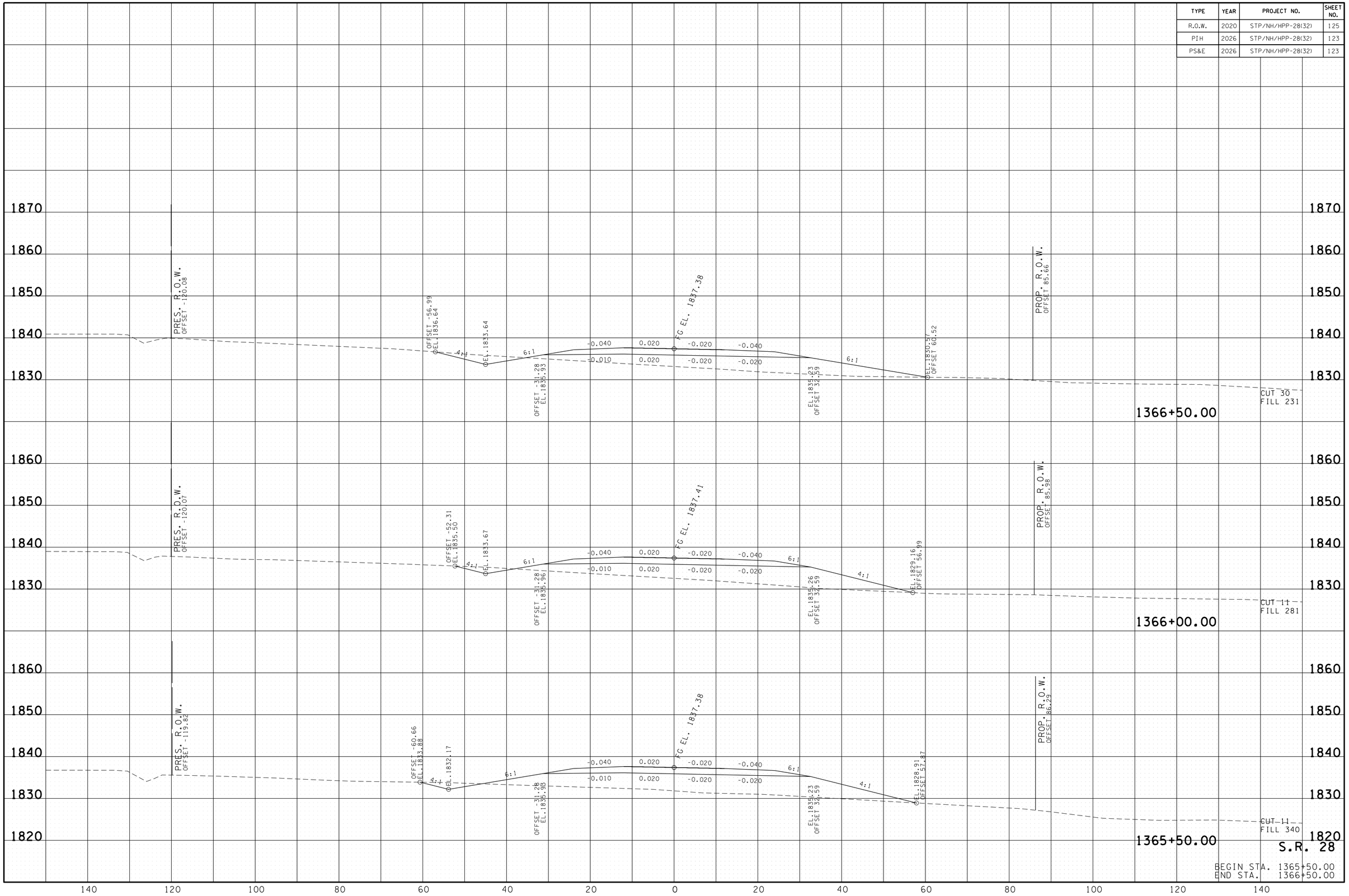
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	125
PIH	2026	STP/NH/HPP-28(32)	123
PS&E	2026	STP/NH/HPP-28(32)	123



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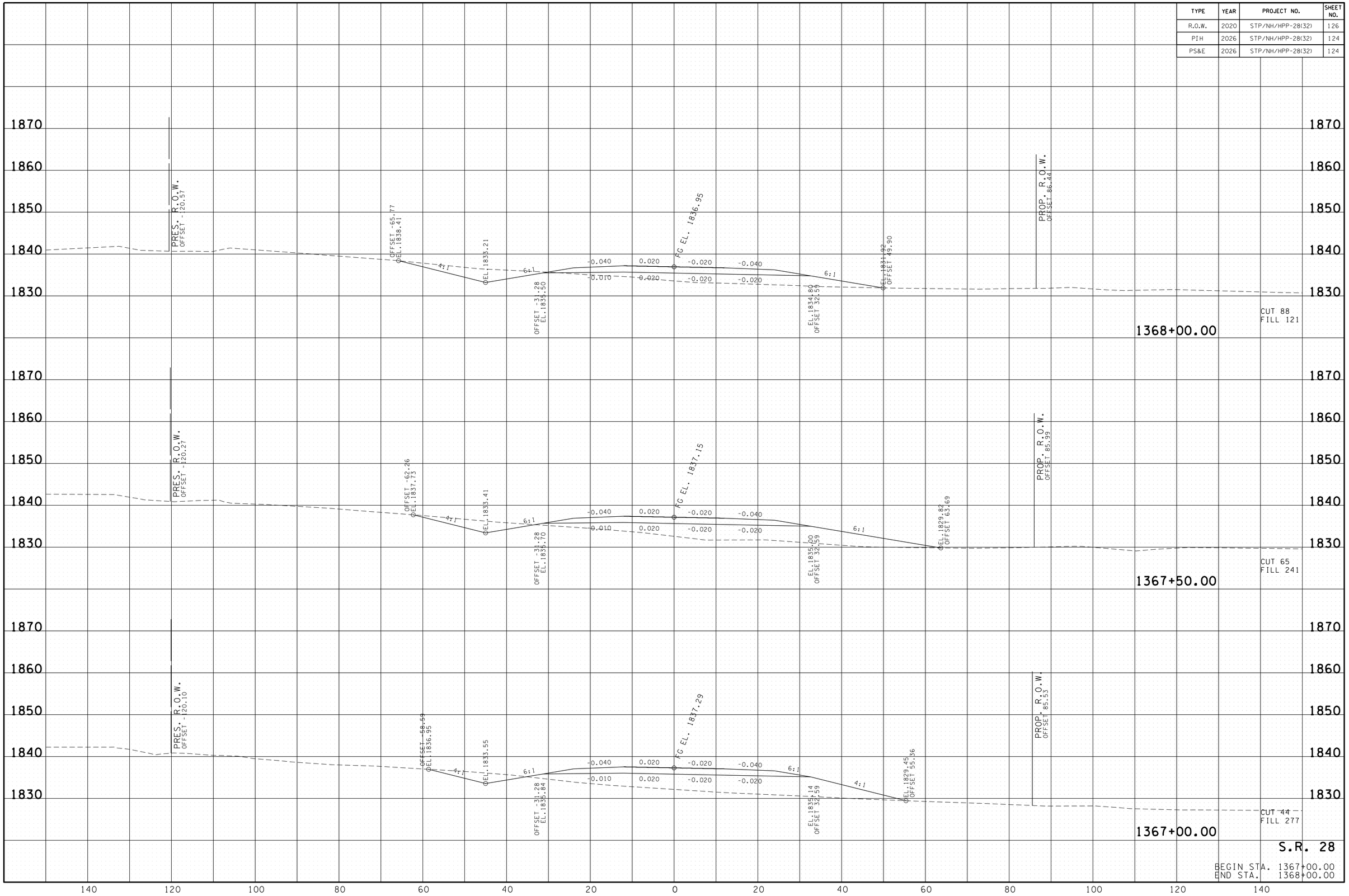
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	126
PIH	2026	STP/NH/HPP-28(32)	124
PS&E	2026	STP/NH/HPP-28(32)	124



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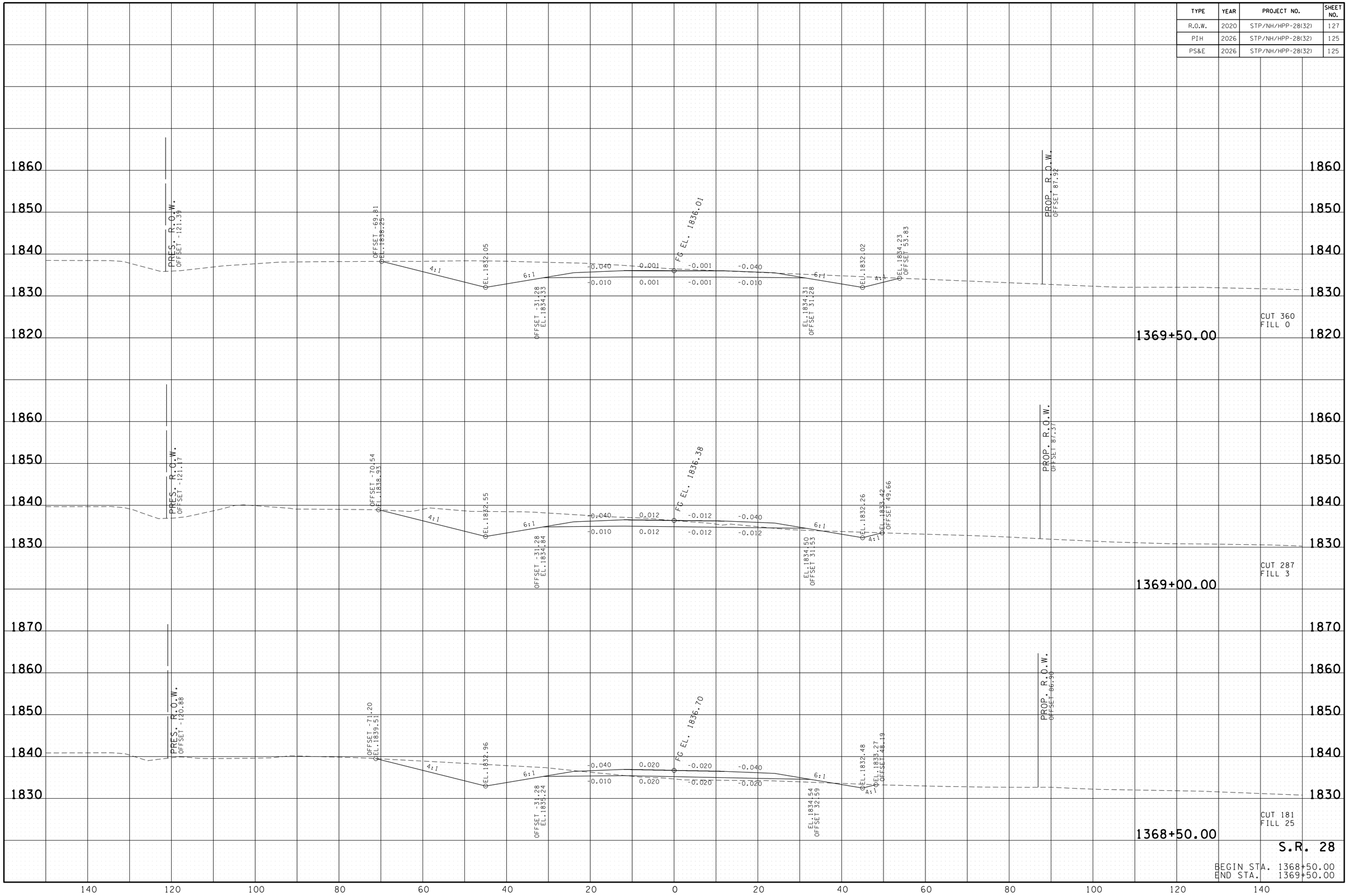
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	127
PIH	2026	STP/NH/HPP-28(32)	125
PS&E	2026	STP/NH/HPP-28(32)	125



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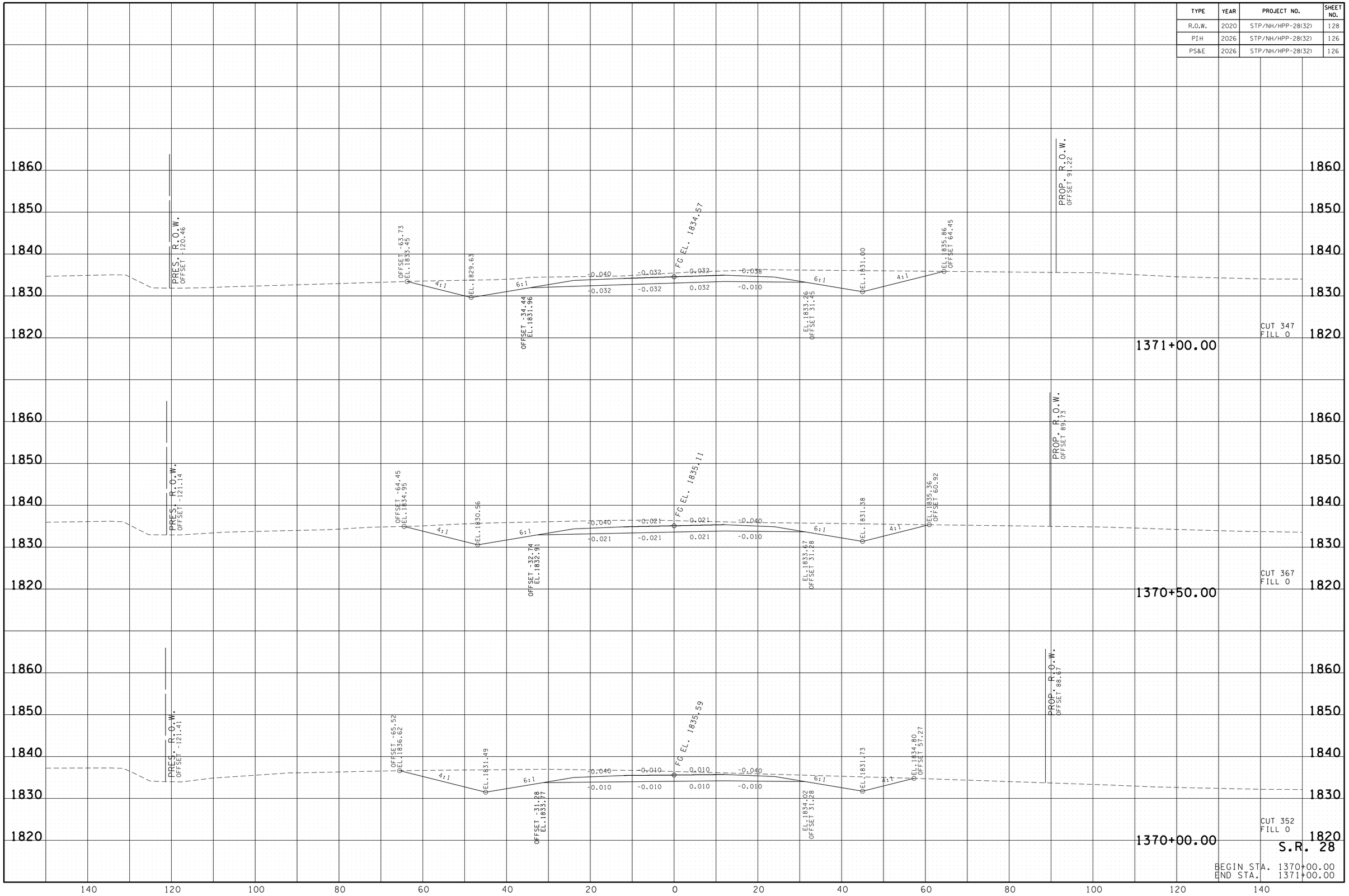
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	128
PIH	2026	STP/NH/HPP-28(32)	126
PS&E	2026	STP/NH/HPP-28(32)	126



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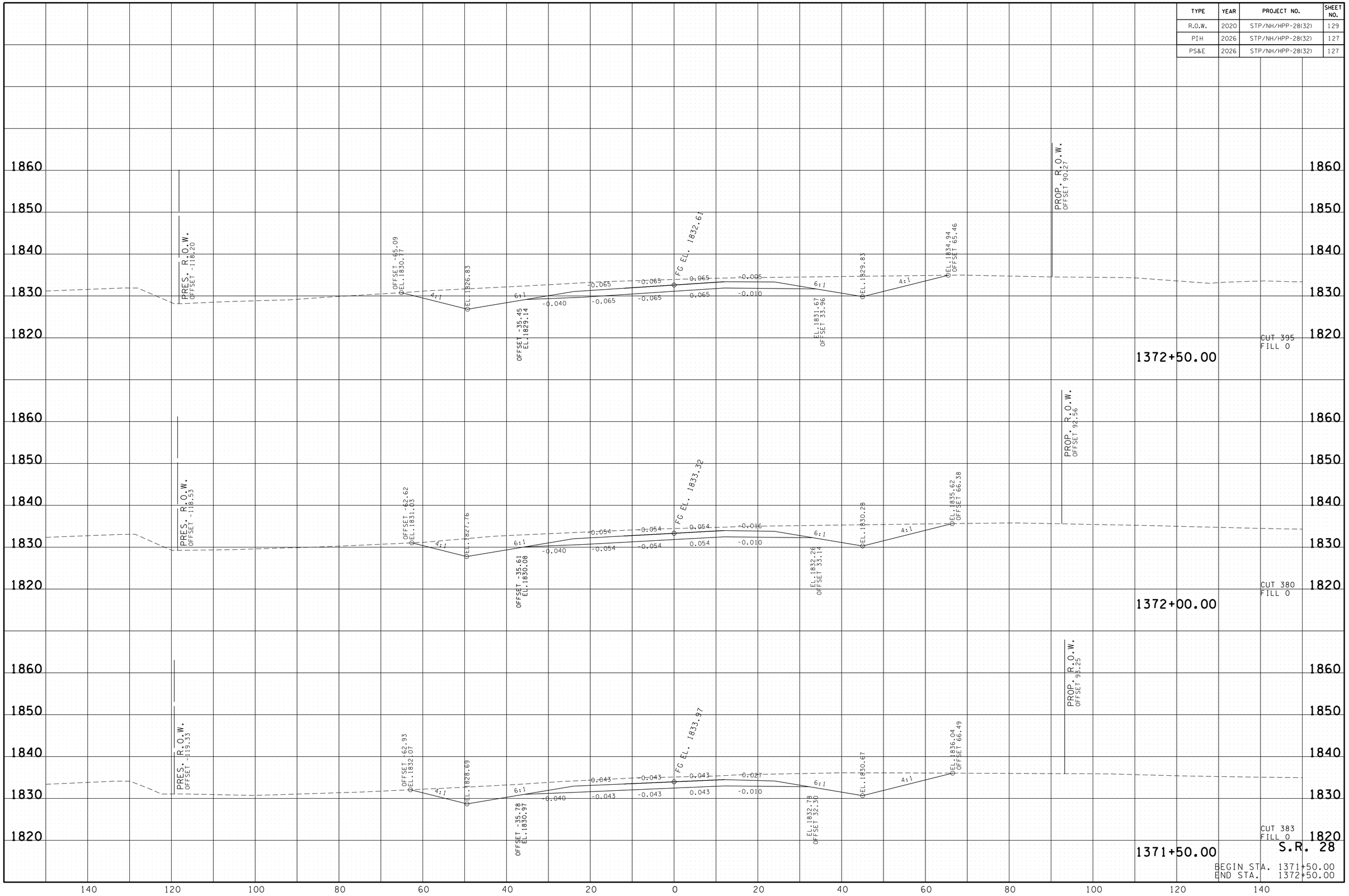
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	129
PIH	2026	STP/NH/HPP-28(32)	127
PS&E	2026	STP/NH/HPP-28(32)	127



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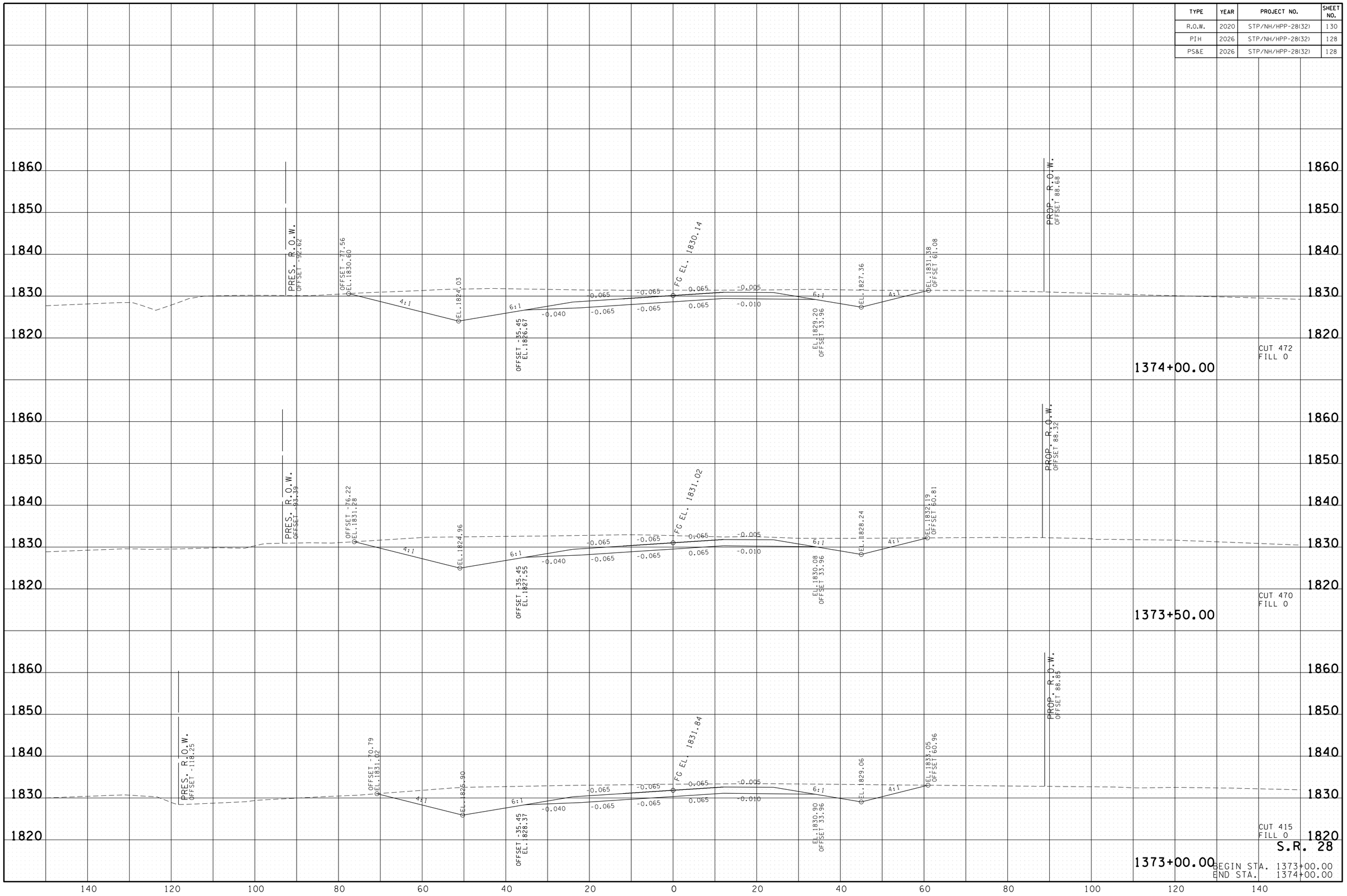
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	130
PIH	2026	STP/NH/HPP-28(32)	128
PS&E	2026	STP/NH/HPP-28(32)	128



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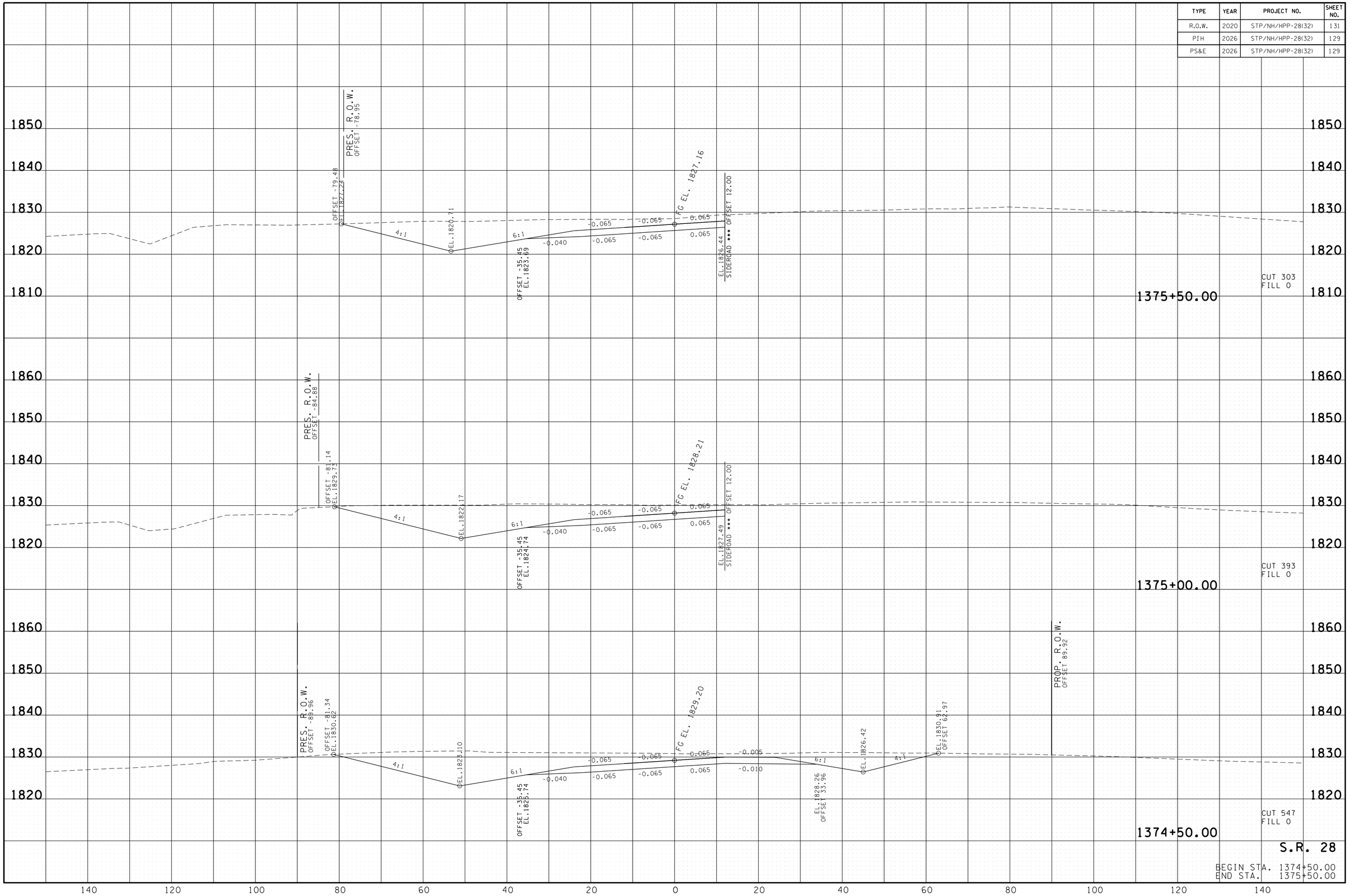
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	131
PIH	2026	STP/NH/HPP-28(32)	129
PS&E	2026	STP/NH/HPP-28(32)	129



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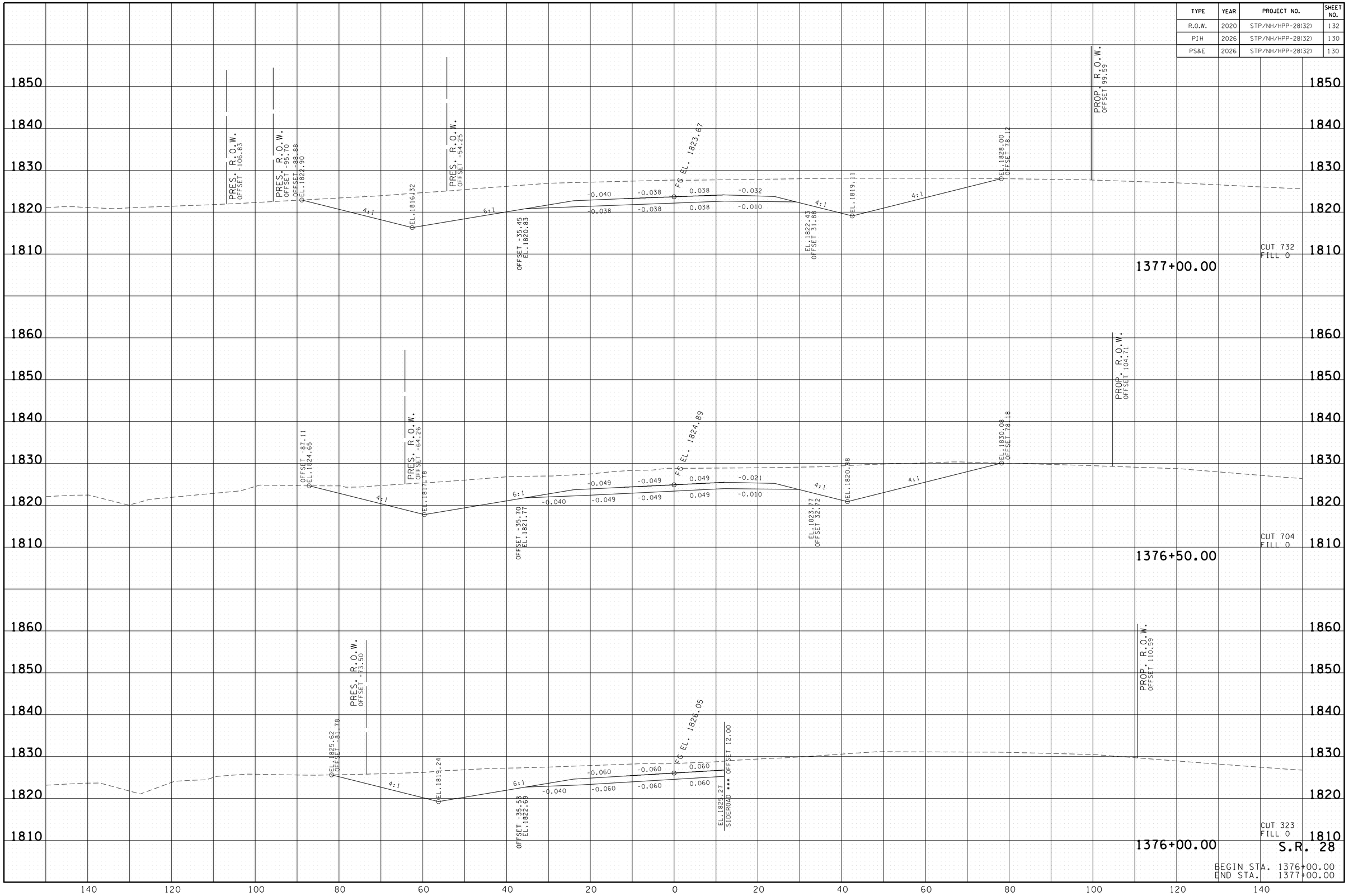
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	132
PIH	2026	STP/NH/HPP-28(32)	130
PS&E	2026	STP/NH/HPP-28(32)	130



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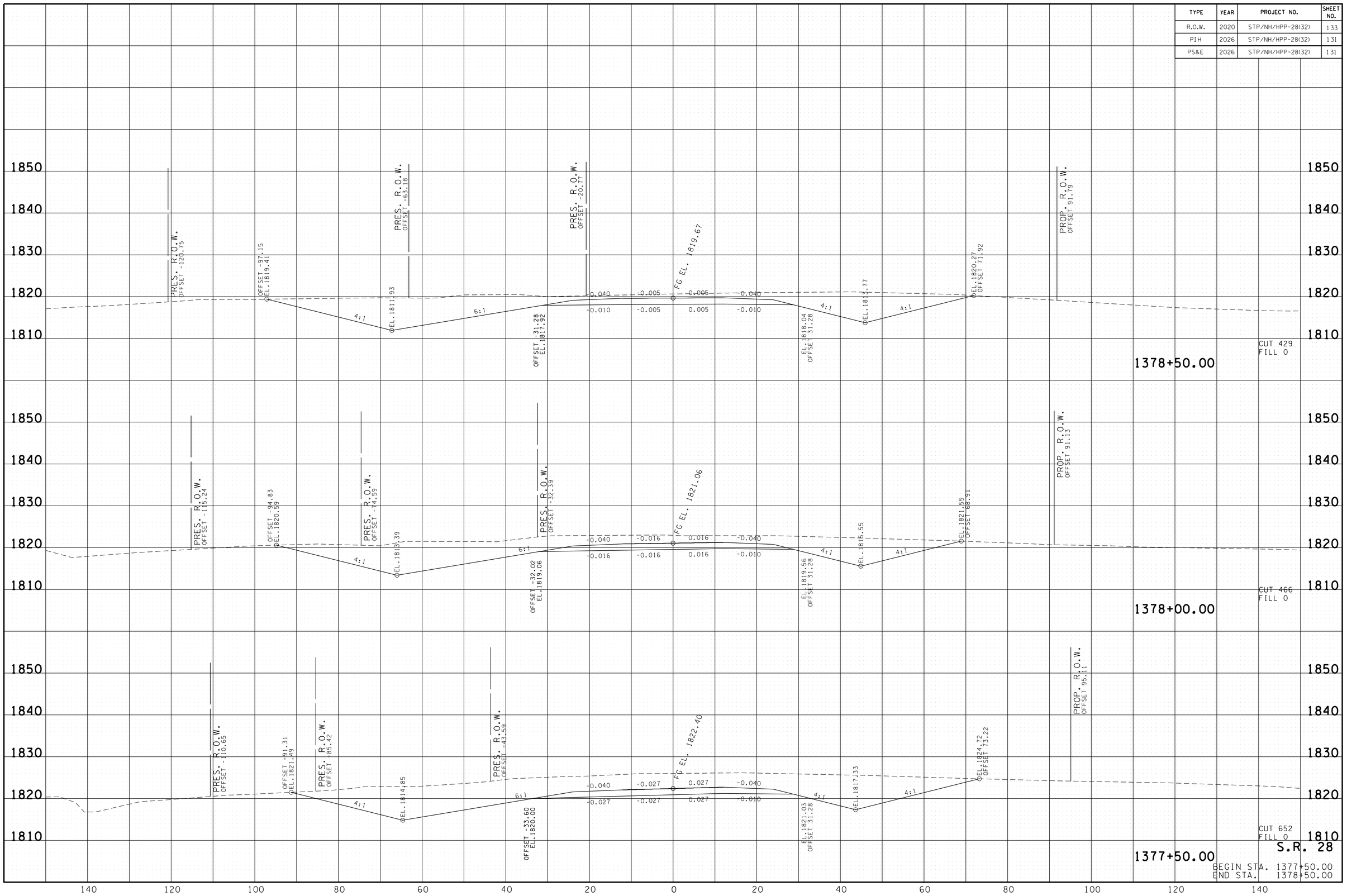
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	133
PIH	2026	STP/NH/HPP-28(32)	131
PS&E	2026	STP/NH/HPP-28(32)	131



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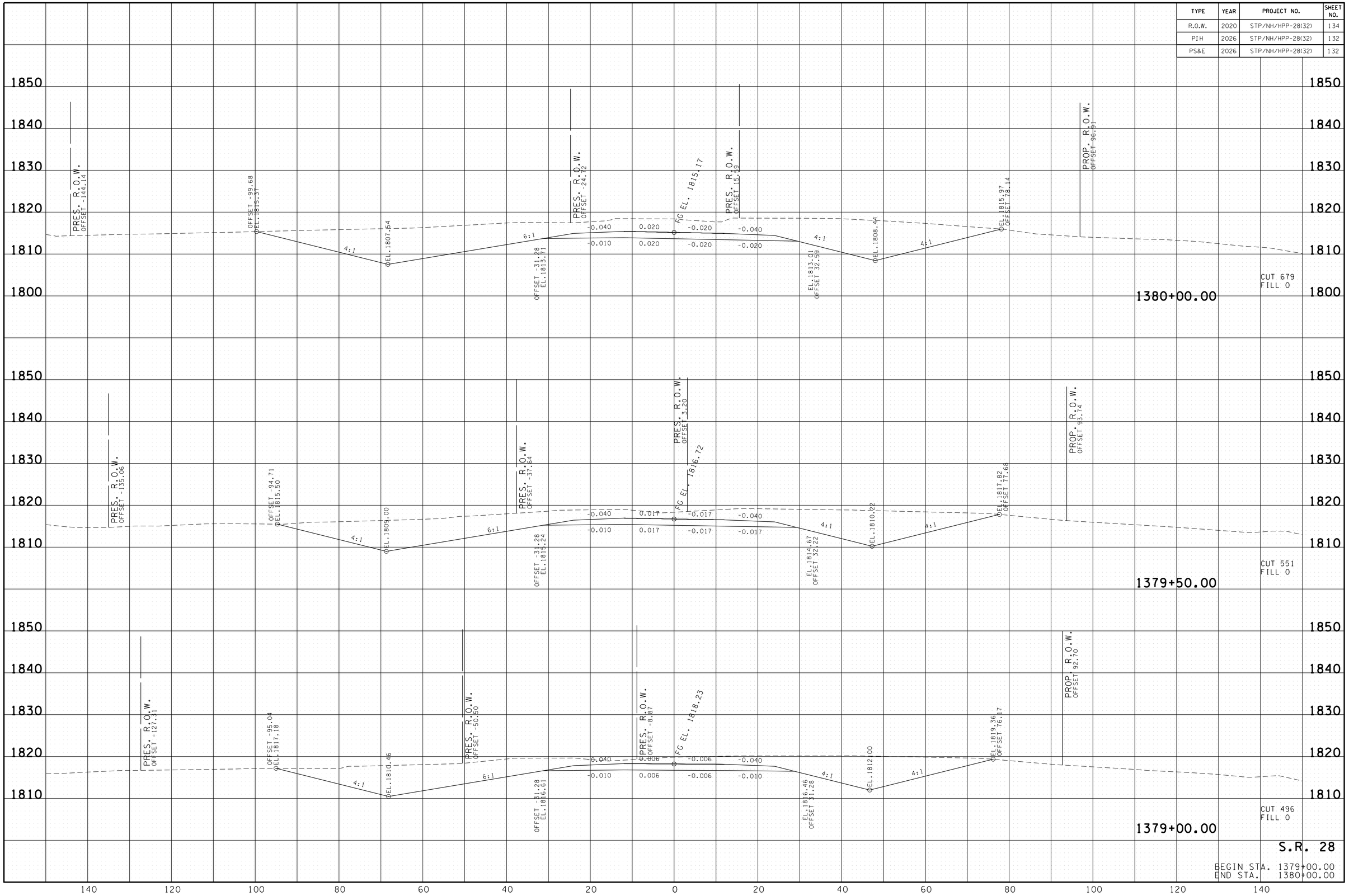
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	134
PIH	2026	STP/NH/HPP-28(32)	132
PS&E	2026	STP/NH/HPP-28(32)	132



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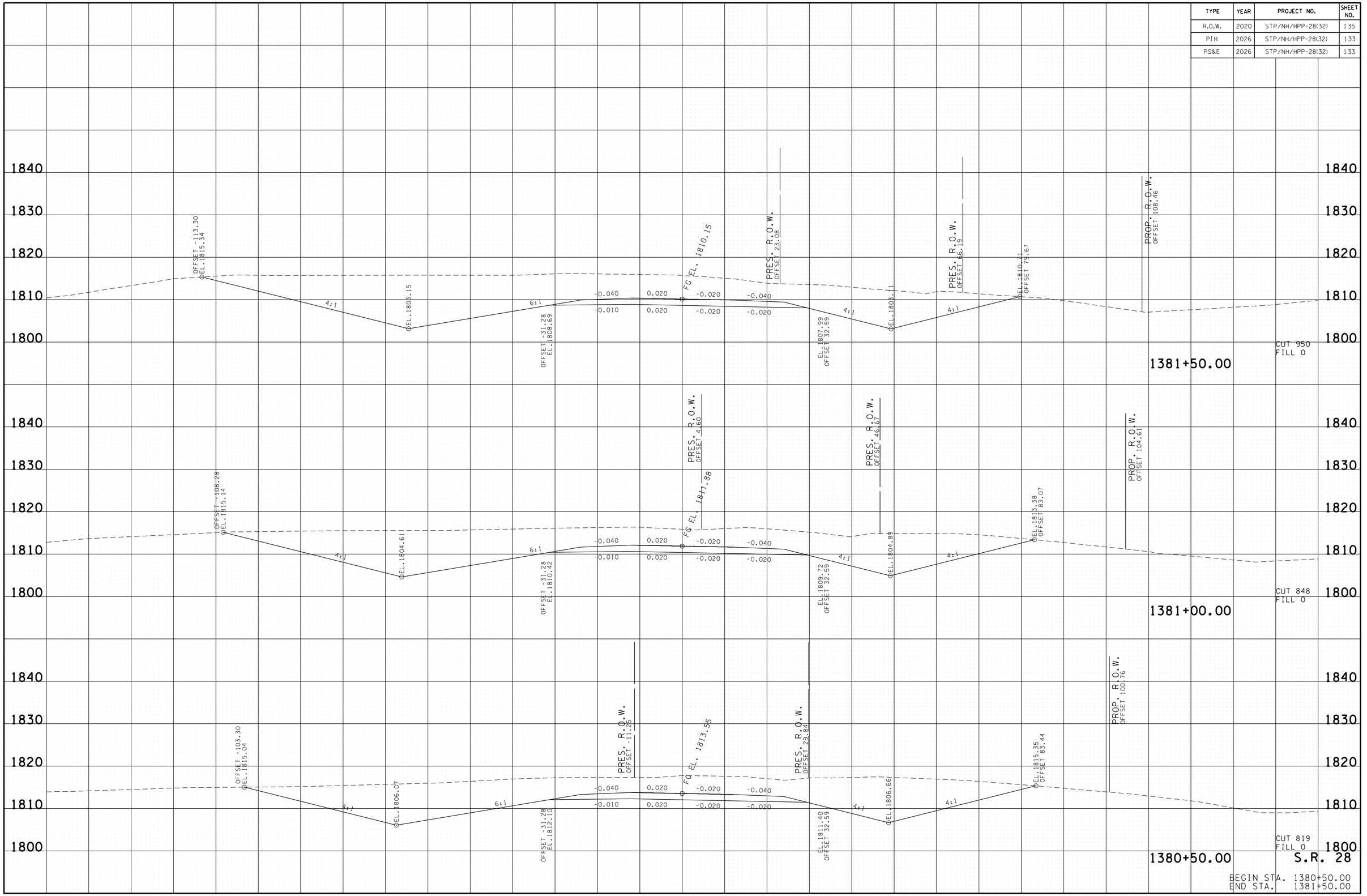
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	135
PIH	2026	STP/NH/HPP-28(32)	133
PS&E	2026	STP/NH/HPP-28(32)	133



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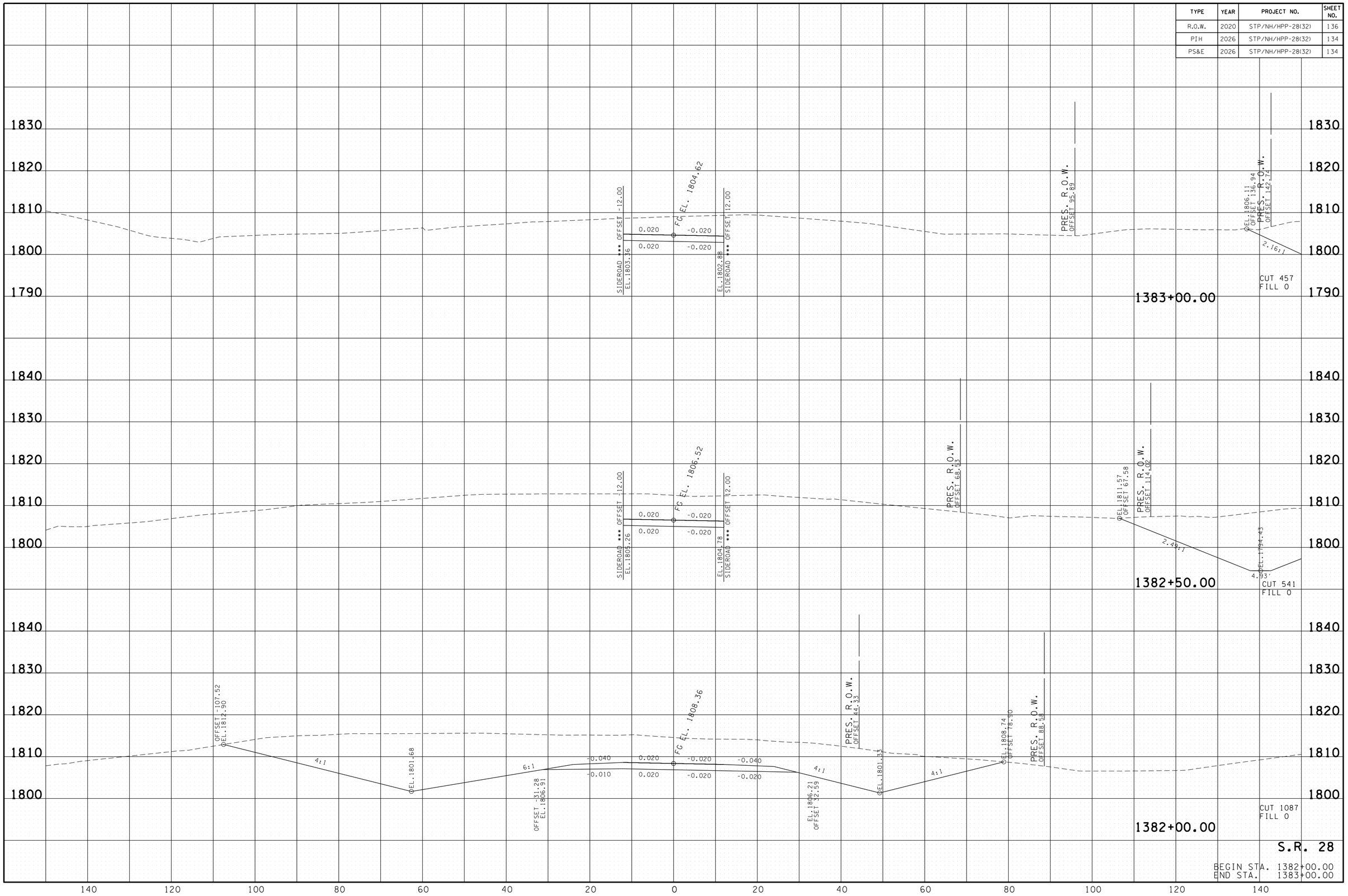
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	136
PIH	2026	STP/NH/HPP-28(32)	134
PS&E	2026	STP/NH/HPP-28(32)	134



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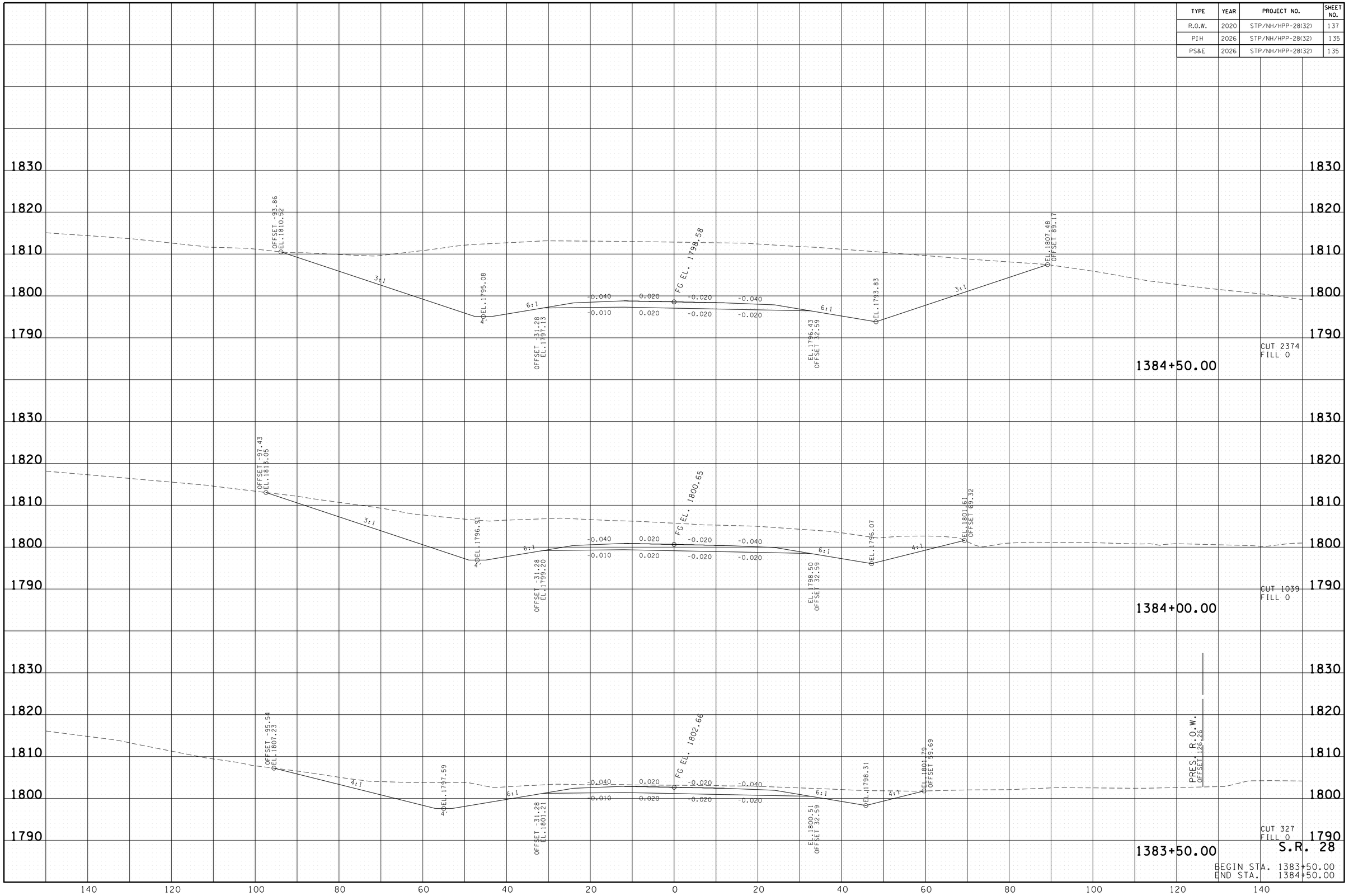
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	137
PIH	2026	STP/NH/HPP-28(32)	135
PS&E	2026	STP/NH/HPP-28(32)	135



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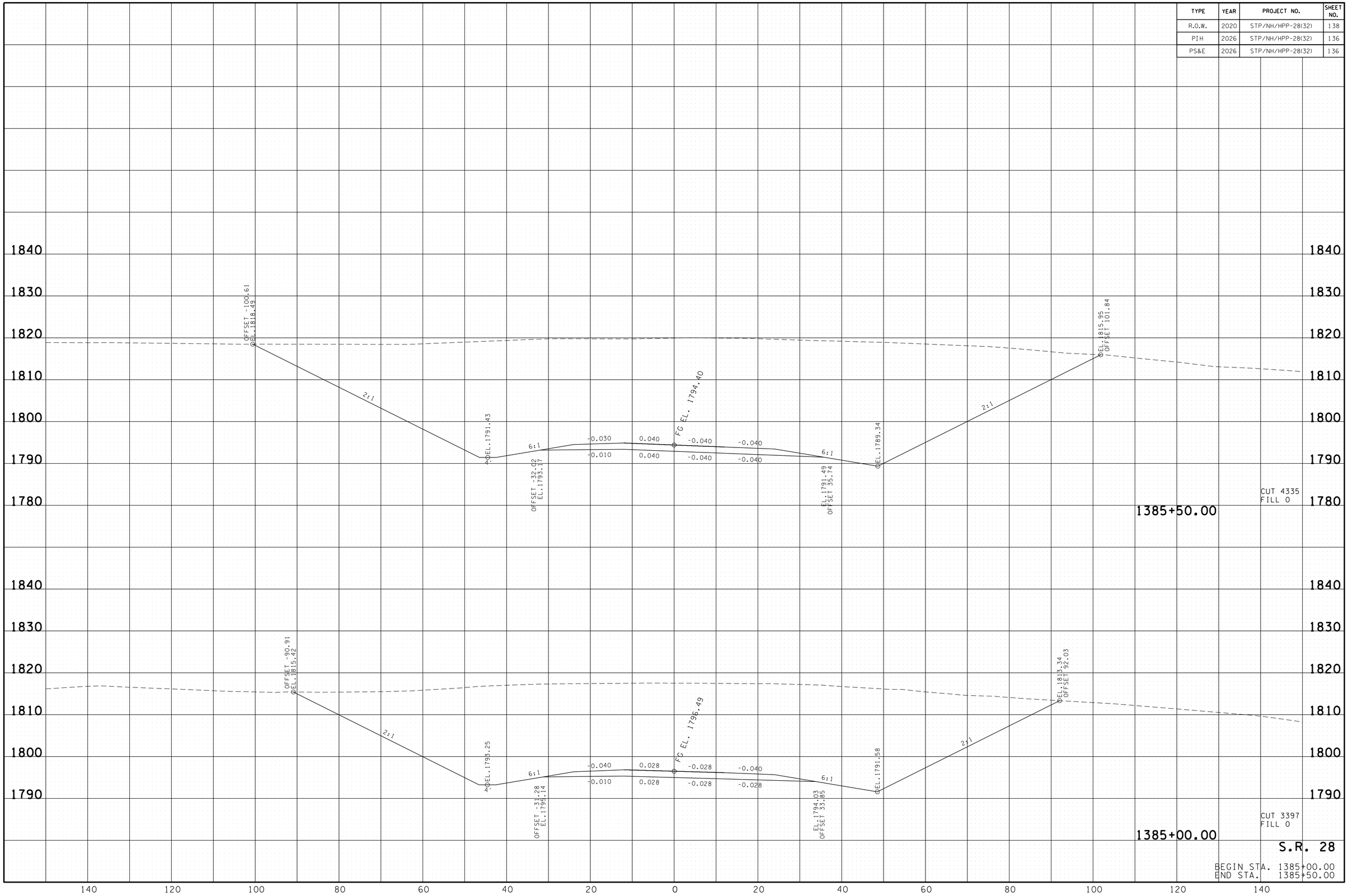
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	138
PIH	2026	STP/NH/HPP-28(32)	136
PS&E	2026	STP/NH/HPP-28(32)	136



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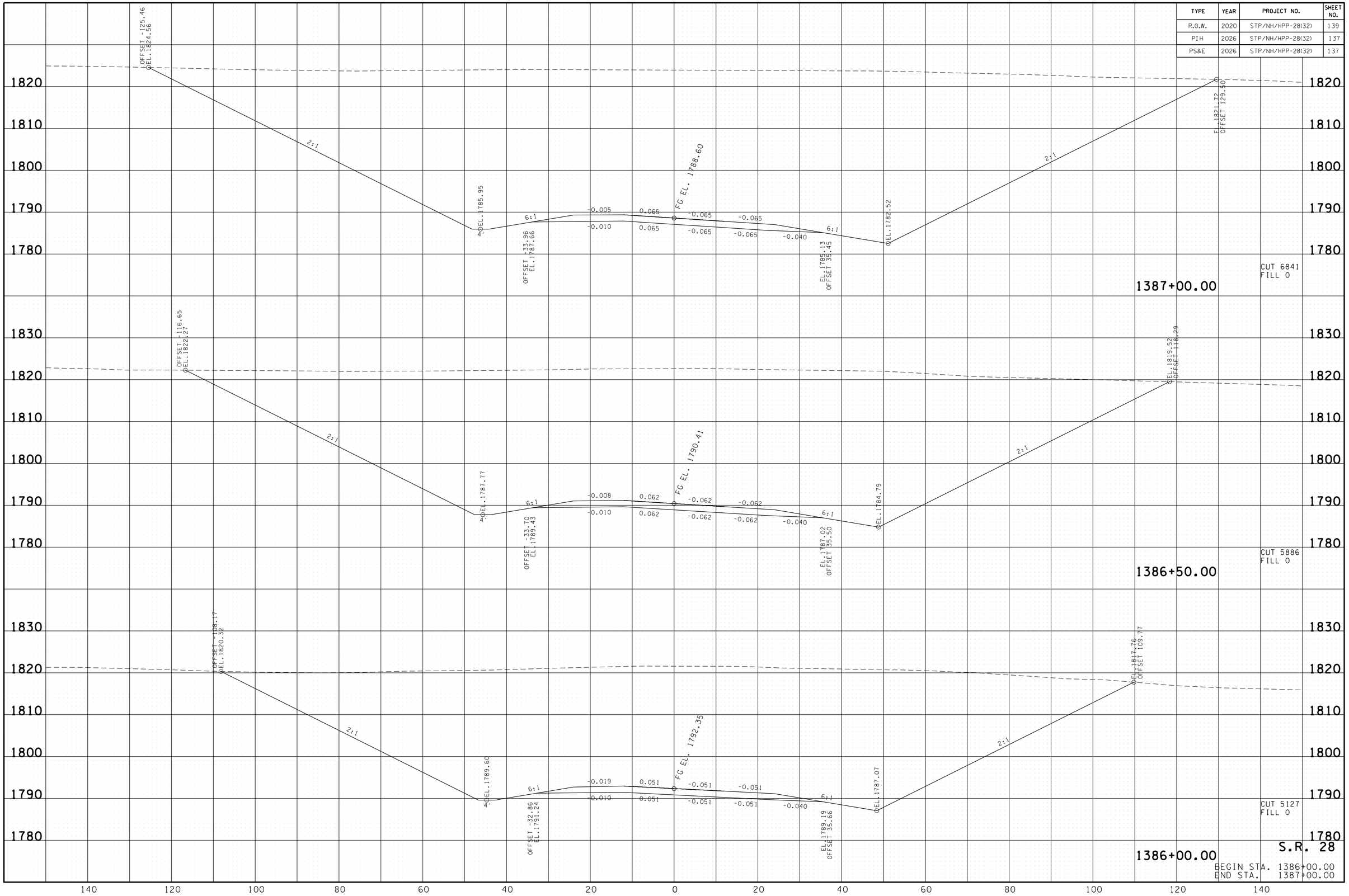
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	139
PIH	2026	STP/NH/HPP-28(32)	137
PS&E	2026	STP/NH/HPP-28(32)	137



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	140
PIH	2026	STP/NH/HPP-28(32)	138
PS&E	2026	STP/NH/HPP-28(32)	138

1388+00.00

CUT 8284
FILL 0

OFFSET -138.95
EL.1826.47

2:1

EL.1782.29

6:1

-0.005
-0.010
0.065
0.065

FG EL. 1785.33

-0.065
-0.065
-0.065
-0.065
-0.040

6:1

EL.1779.62

2:1

EL.1824.74
OFFSET 139.27

OFFSET -33.96
EL.1784.39

EL.1781.87
OFFSET 35.45

1387+50.00

CUT 7756
FILL 0

OFFSET -132.50
EL. 825.85

2:1

EL.1784.12

6:1

-0.005
-0.010
0.065
0.065

FG EL. 1786.90

-0.065
-0.065
-0.065
-0.065
-0.040

6:1

EL.1781.07

2:1

EL.1823.28
OFFSET 134.07

OFFSET -33.96
EL.1785.96

EL.1783.44
OFFSET 35.45

S.R. 28

BEGIN STA. 1387+50.00
END STA. 1388+00.00

1840
1830
1820
1810
1800
1790
1780
1770

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

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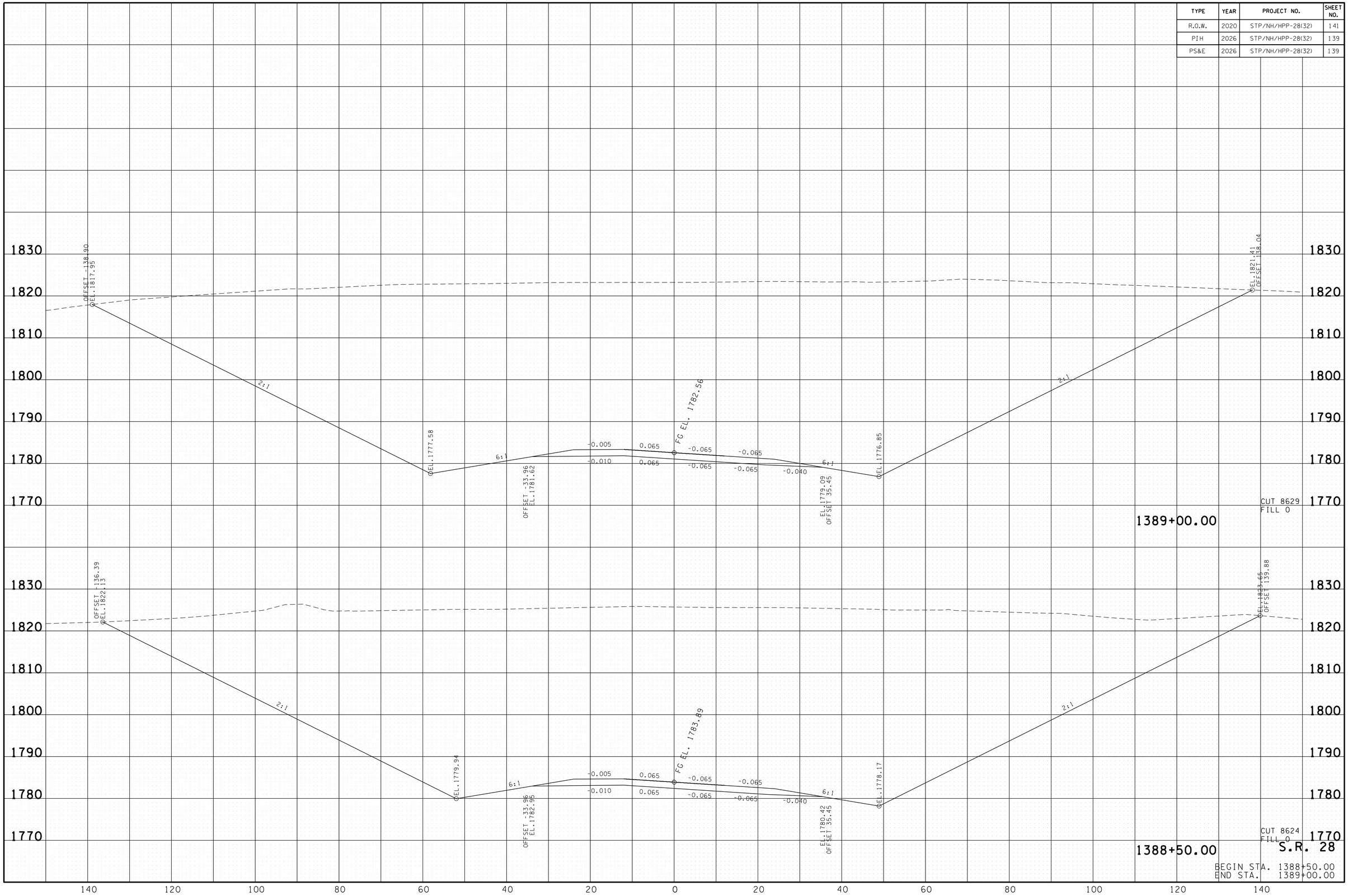
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	141
PIH	2026	STP/NH/HPP-28(32)	139
PS&E	2026	STP/NH/HPP-28(32)	139



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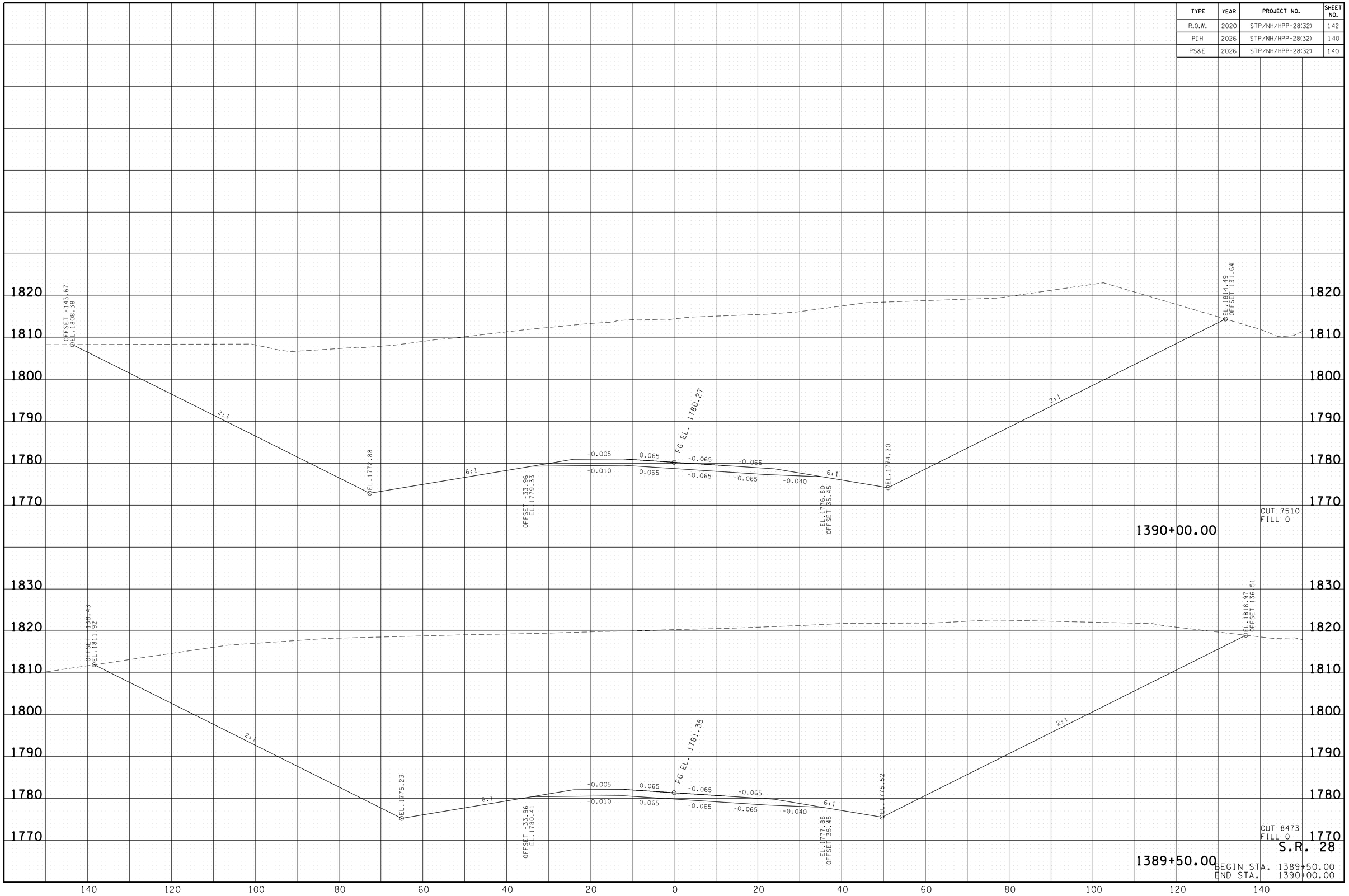
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	142
PIH	2026	STP/NH/HPP-28(32)	140
PS&E	2026	STP/NH/HPP-28(32)	140



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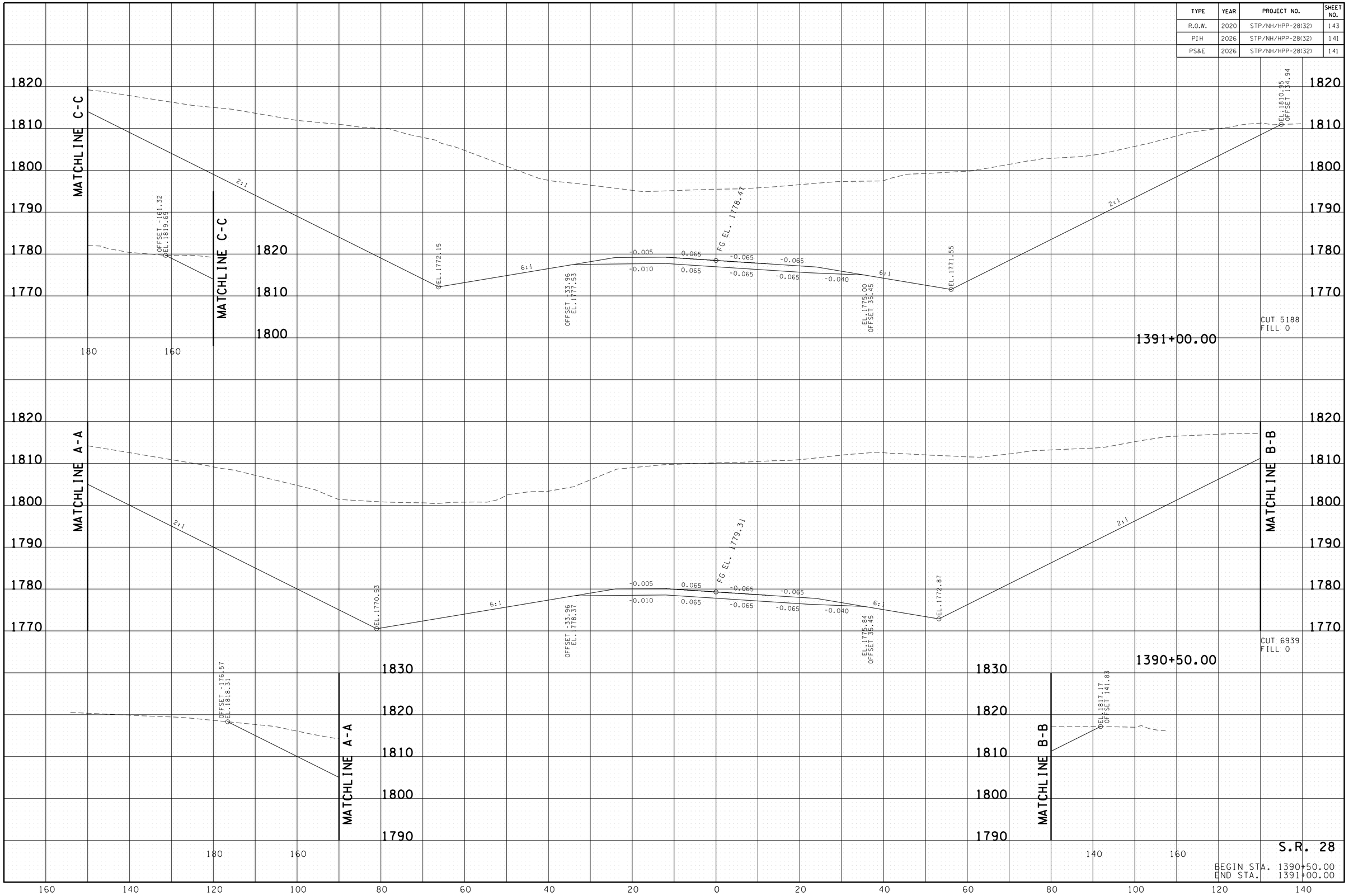
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	143
PIH	2026	STP/NH/HPP-28(32)	141
PS&E	2026	STP/NH/HPP-28(32)	141



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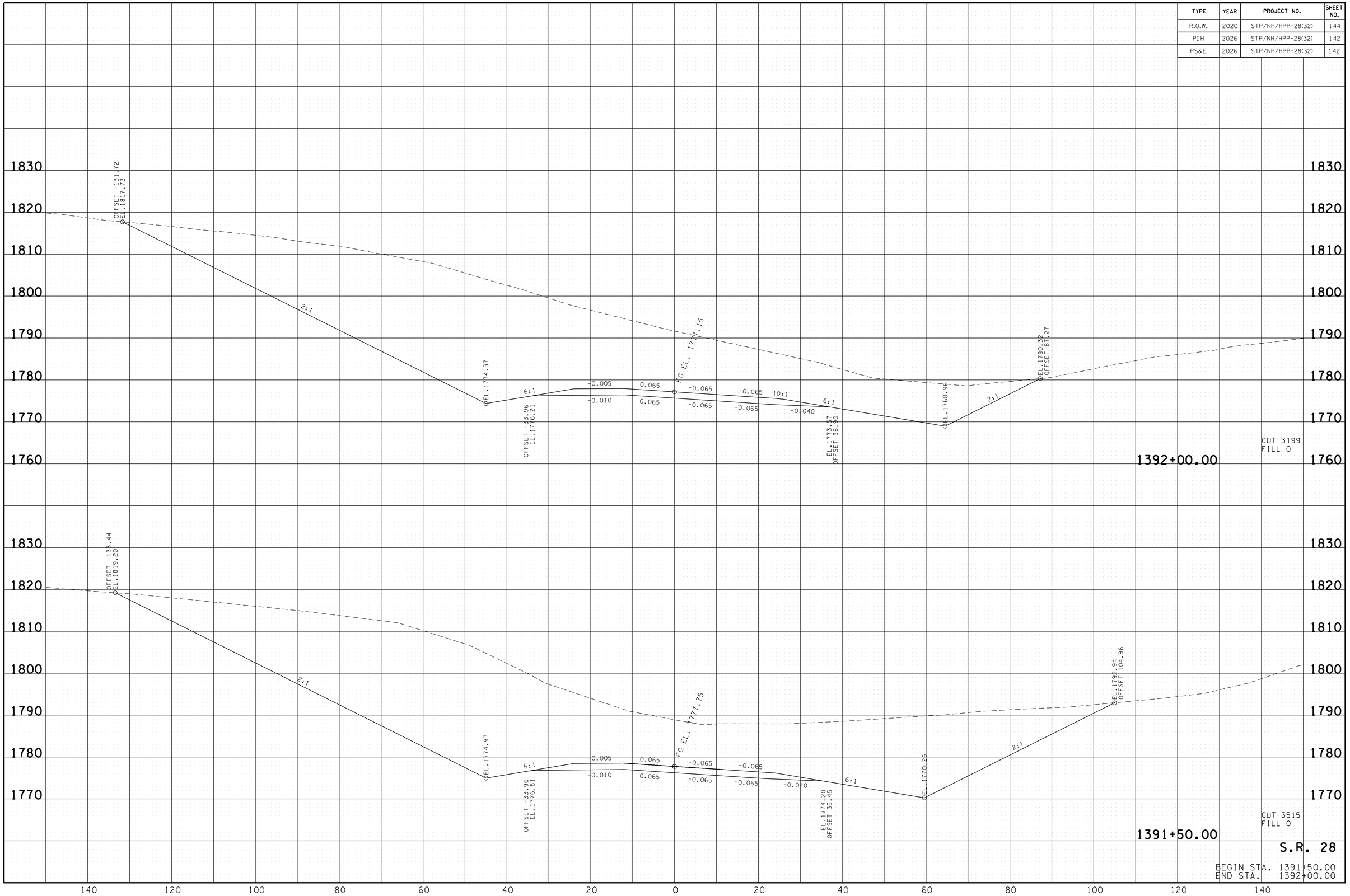
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	144
PIH	2026	STP/NH/HPP-28(32)	142
PS&E	2026	STP/NH/HPP-28(32)	142



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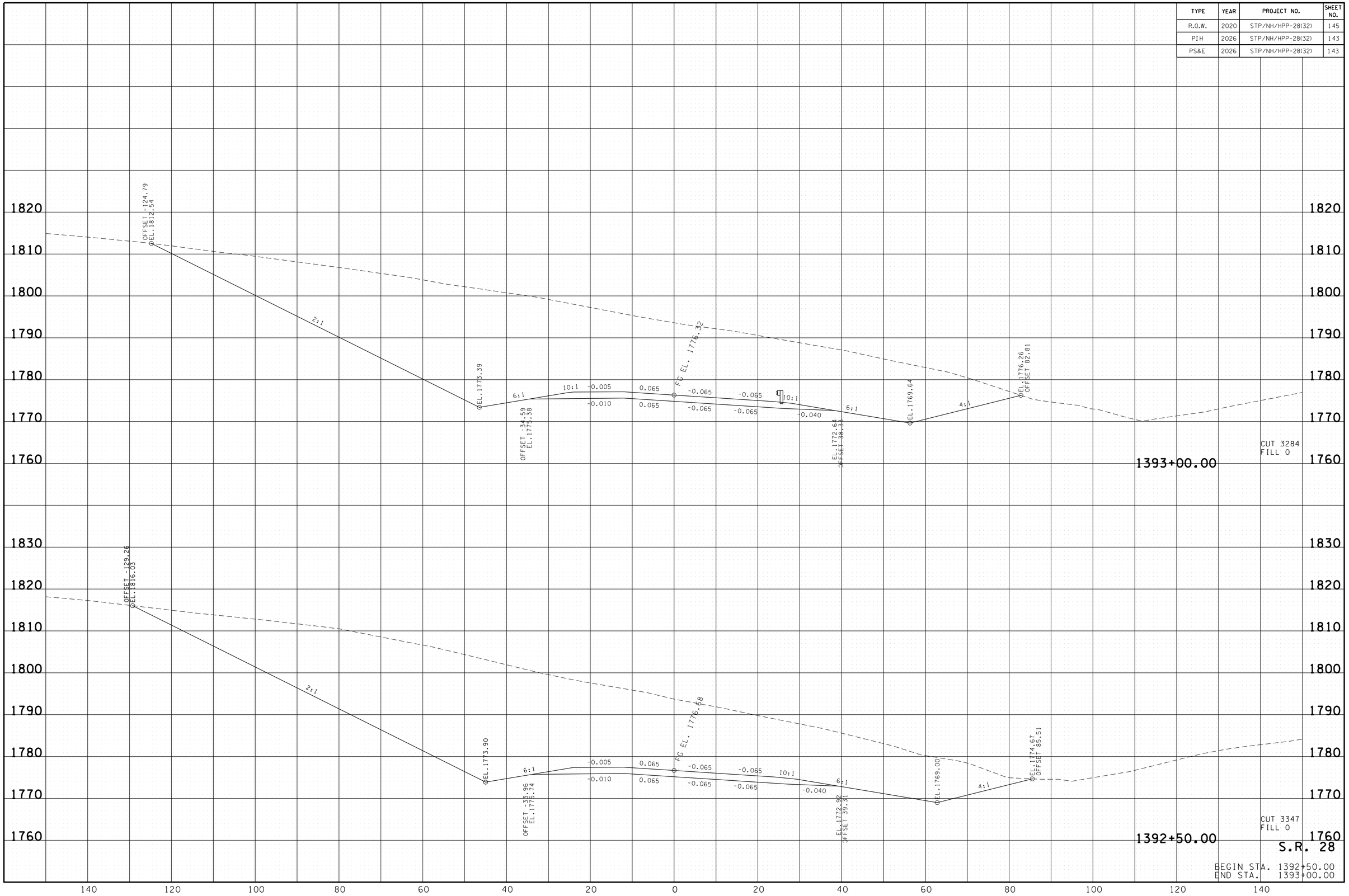
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	145
PIH	2026	STP/NH/HPP-28(32)	143
PS&E	2026	STP/NH/HPP-28(32)	143



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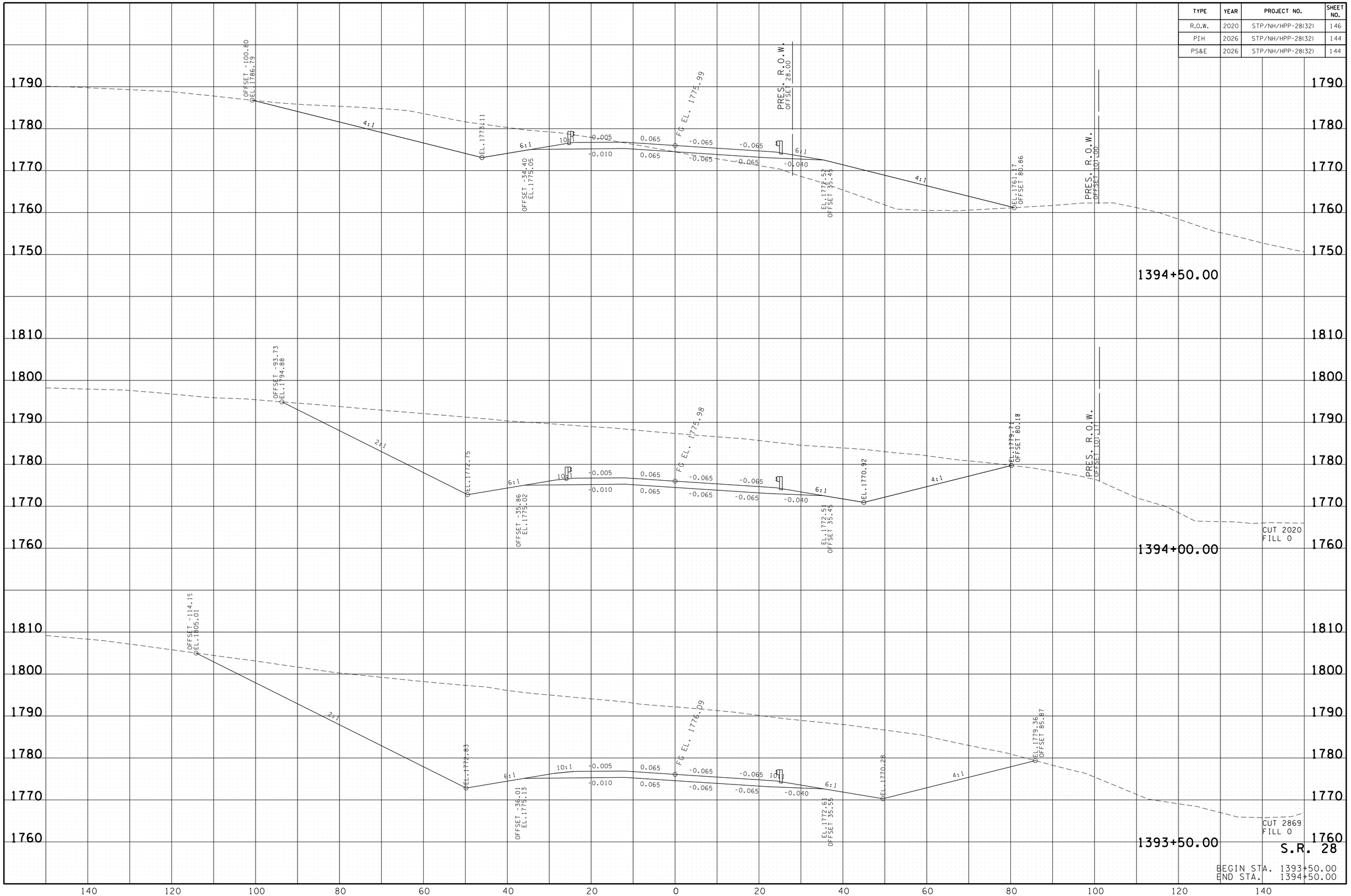
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	146
PIH	2026	STP/NH/HPP-28(32)	144
PS&E	2026	STP/NH/HPP-28(32)	144



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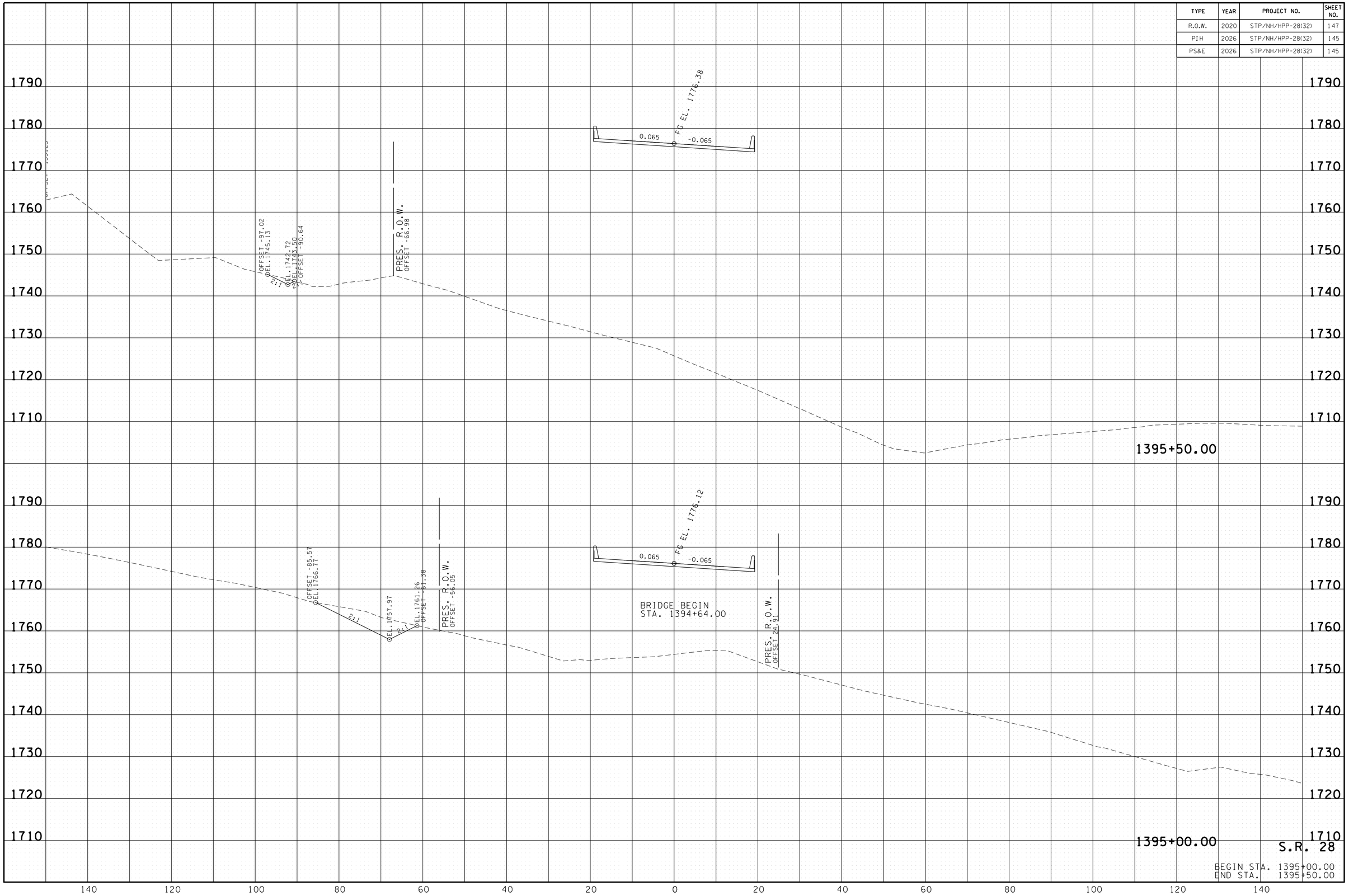
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	147
PIH	2026	STP/NH/HPP-28(32)	145
PS&E	2026	STP/NH/HPP-28(32)	145



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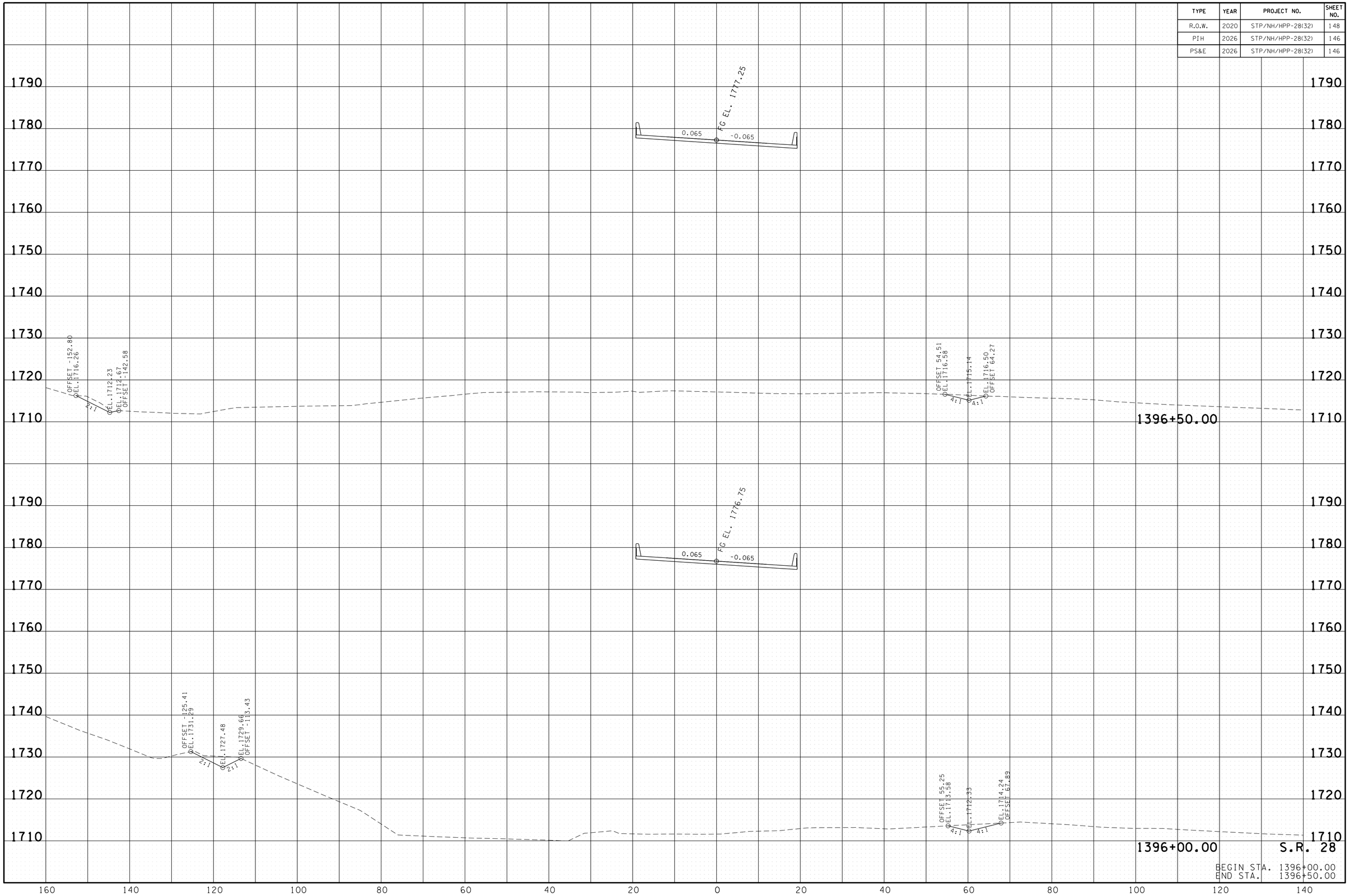
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	148
PIH	2026	STP/NH/HPP-28(32)	146
PS&E	2026	STP/NH/HPP-28(32)	146



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	149
PIH	2026	STP/NH/HPP-28(32)	147
PS&E	2026	STP/NH/HPP-28(32)	147

1397+50.00

FG EL. 1778.61
0.065
-0.065
PRES. R.O.W.
OFFSET -13.40
OFFSET -174.38
EL. 1721.61
4:1
EL. 1720.58
OFFSET -167.15
EL. 1721.89
4:1
OFFSET 56.21
EL. 1736.61
4:1
EL. 1735.61
OFFSET 63.46
EL. 1736.41

FG EL. 1777.87
0.065
-0.065
OFFSET -196.05
EL. 1715.15
4:1
EL. 1713.67
OFFSET -189.43
EL. 1714.92
4:1
OFFSET 56.21
EL. 1724.45
4:1
EL. 1723.44
OFFSET 63.61
EL. 1724.28

1397+00.00

S.R. 28

BEGIN STA. 1397+00.00
END STA. 1397+50.00

1790 1780 1770 1760 1750 1740 1730 1720 1710

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

5/18/2026
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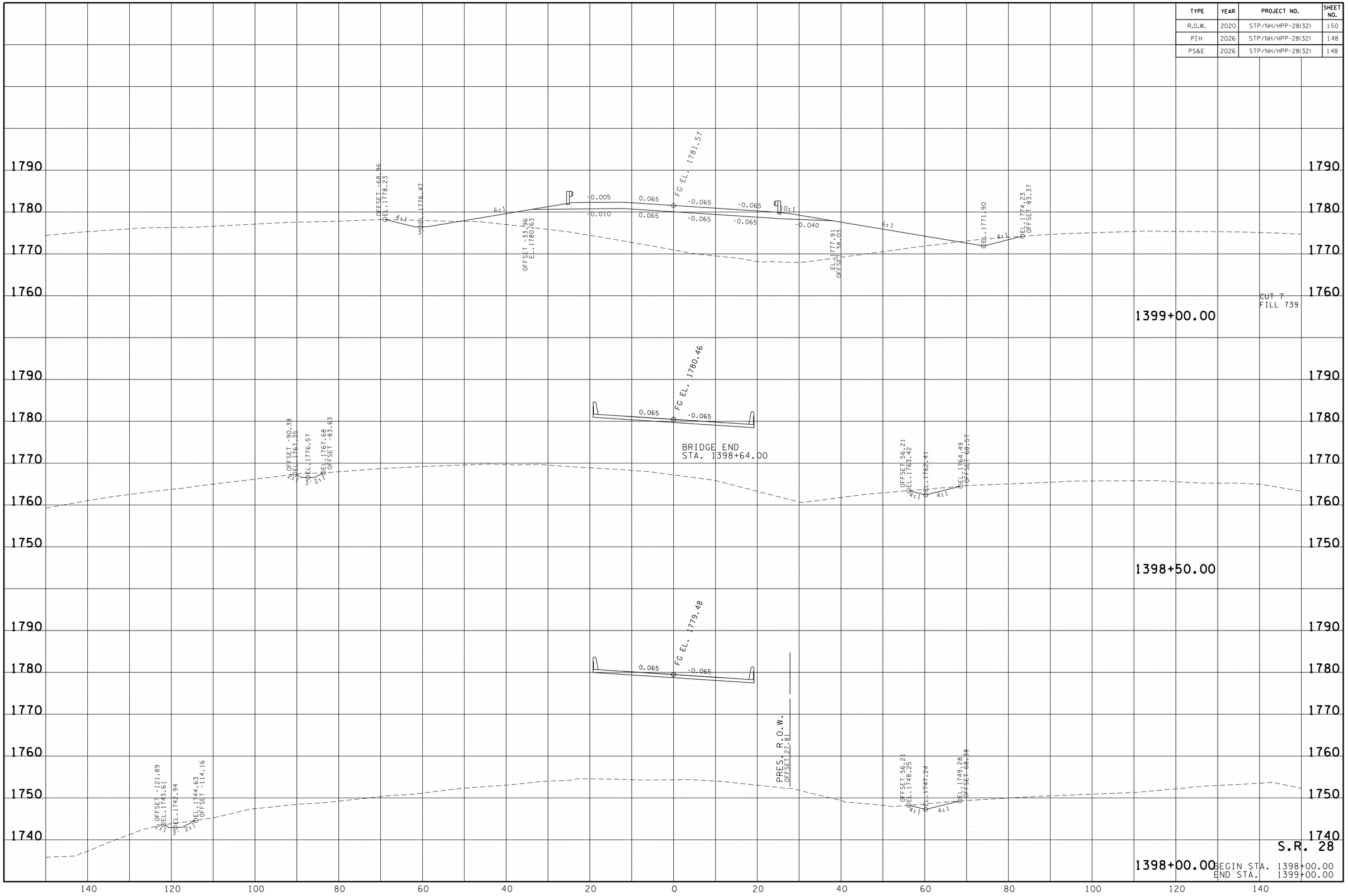
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	150
PIH	2026	STP/NH/HPP-28(32)	148
PS&E	2026	STP/NH/HPP-28(32)	148



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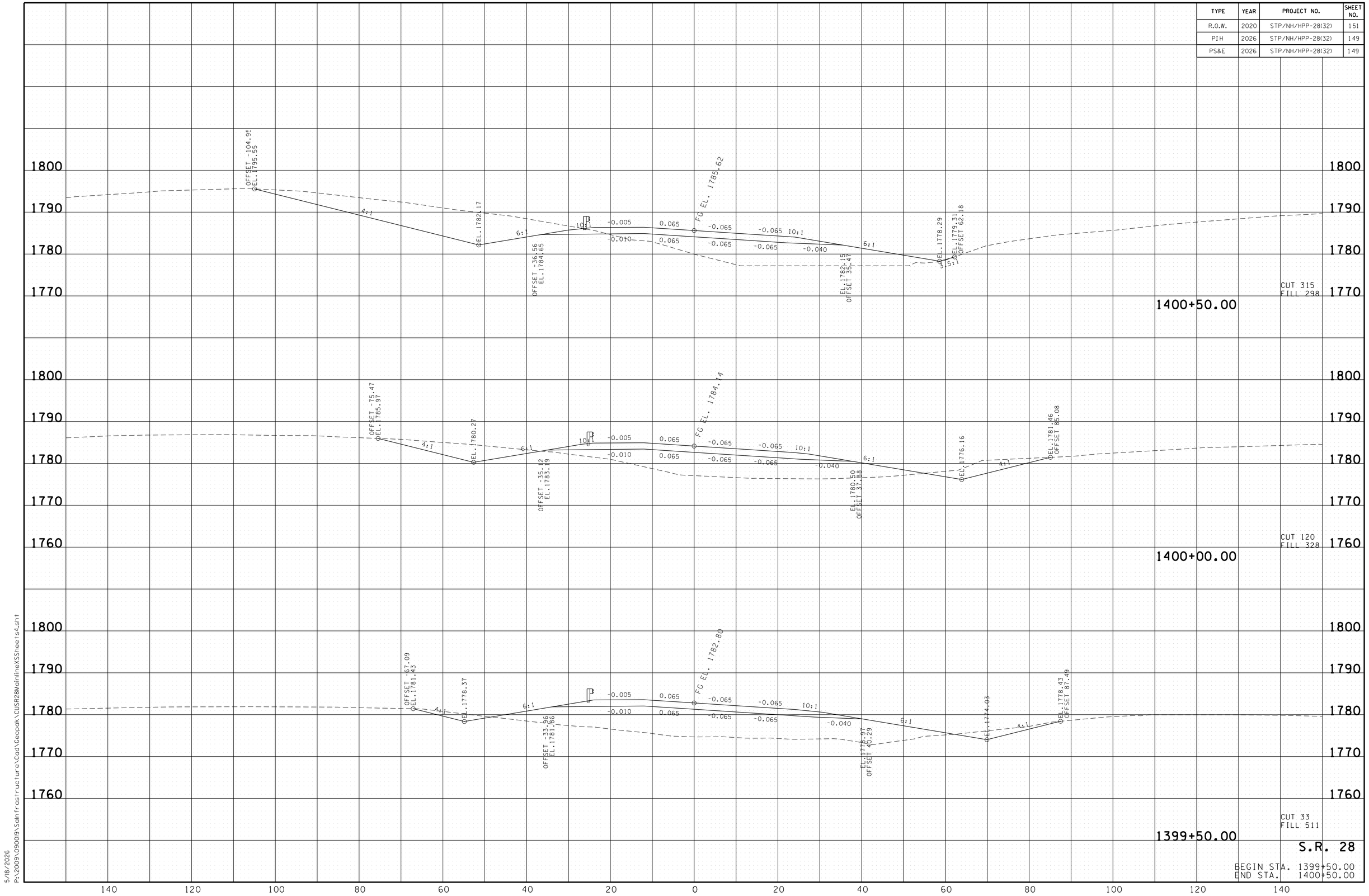
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	151
PIH	2026	STP/NH/HPP-28(32)	149
PS&E	2026	STP/NH/HPP-28(32)	149



S.R. 28

BEGIN STA. 1399+50.00
END STA. 1400+50.00

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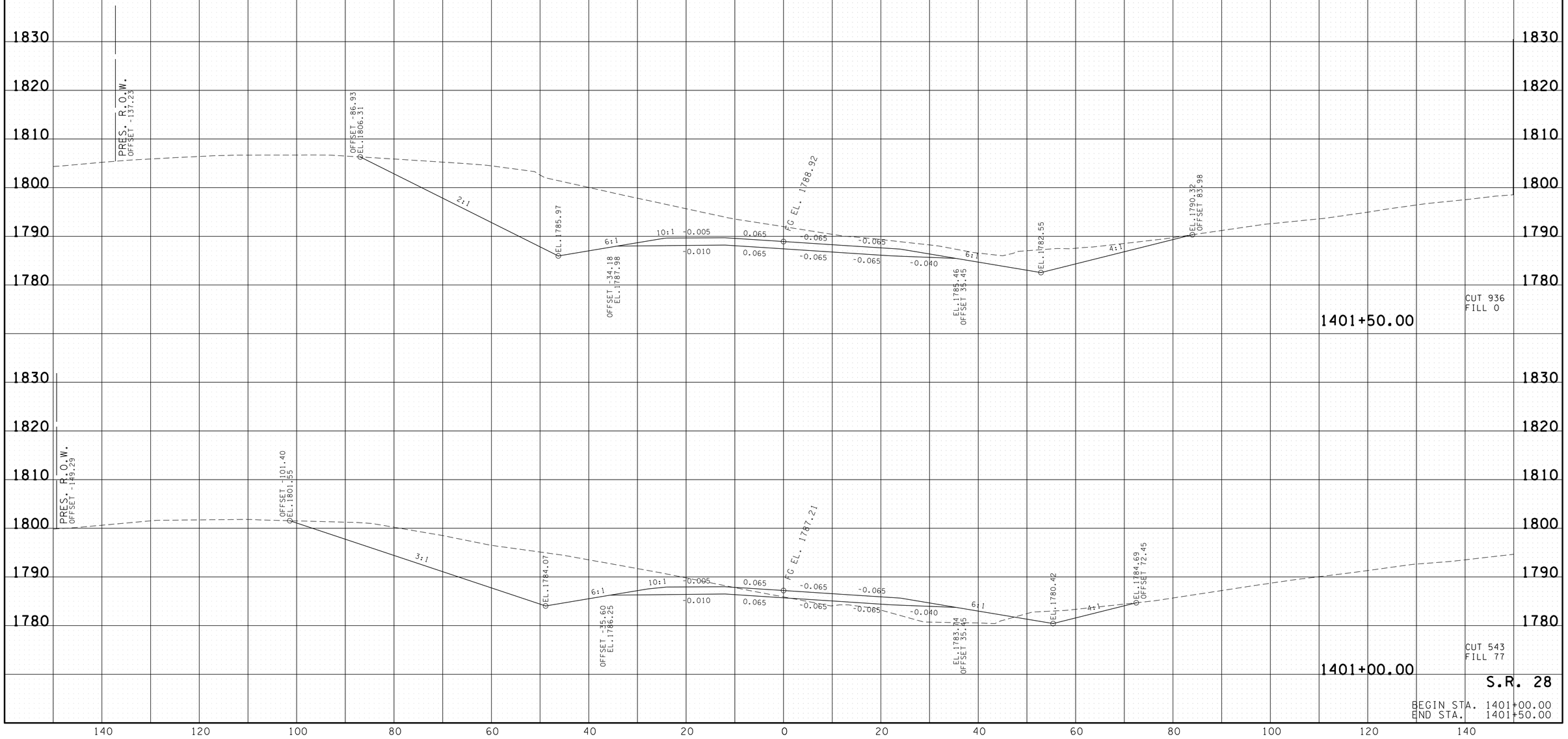
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	152
PIH	2026	STP/NH/HPP-28(32)	150
PS&E	2026	STP/NH/HPP-28(32)	150



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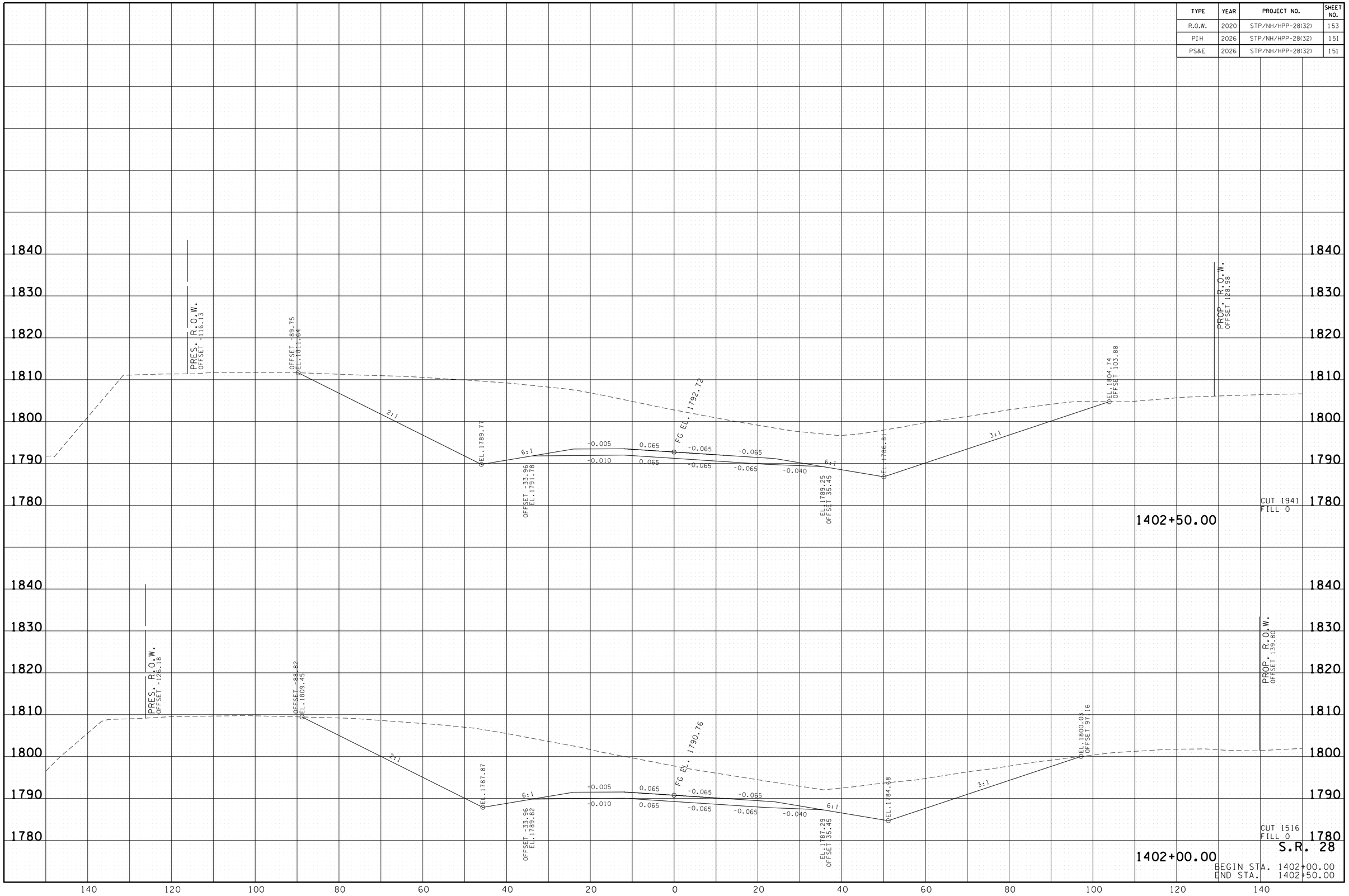
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	153
PIH	2026	STP/NH/HPP-28(32)	151
PS&E	2026	STP/NH/HPP-28(32)	151



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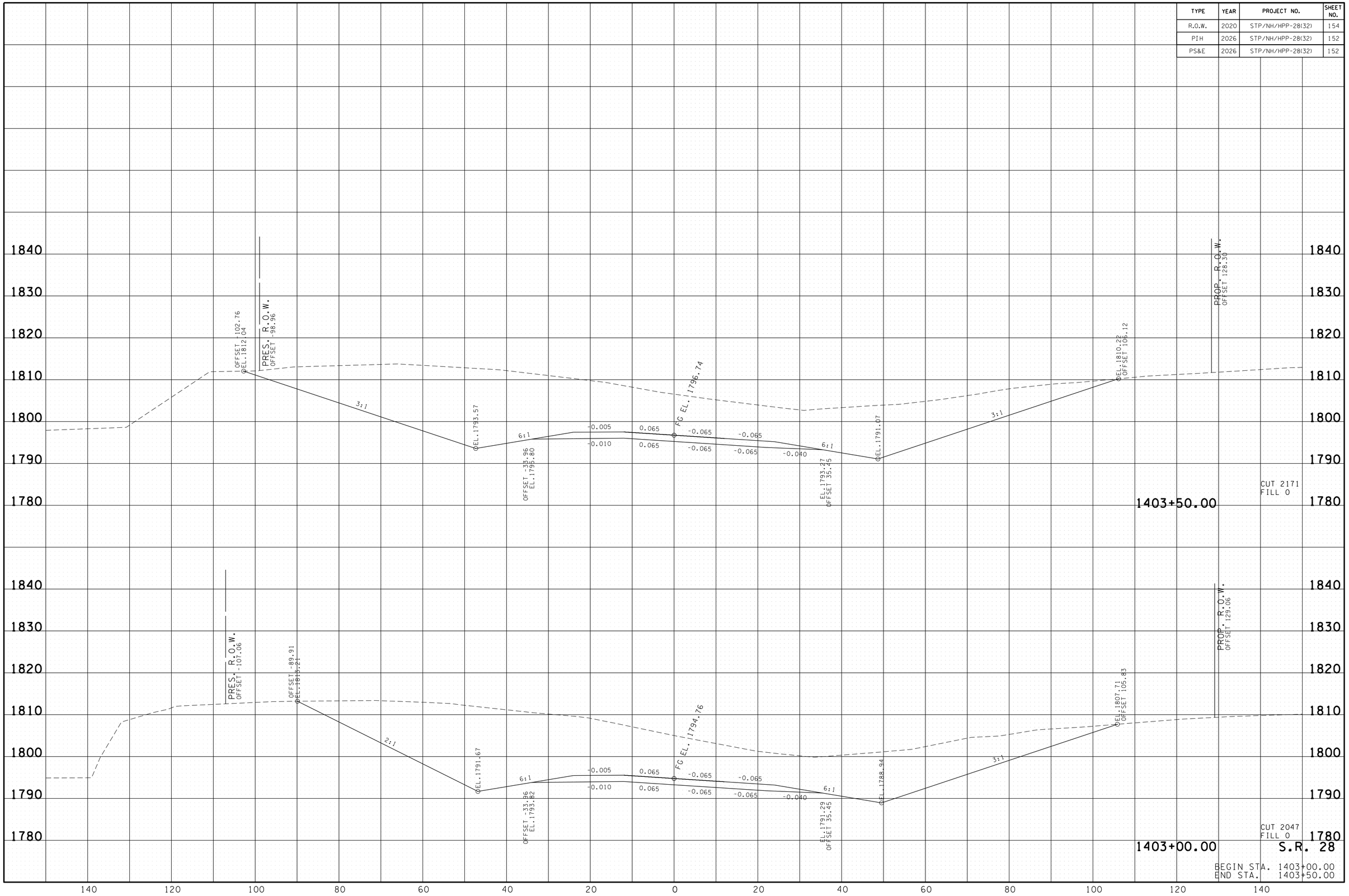
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	154
PIH	2026	STP/NH/HPP-28(32)	152
PS&E	2026	STP/NH/HPP-28(32)	152



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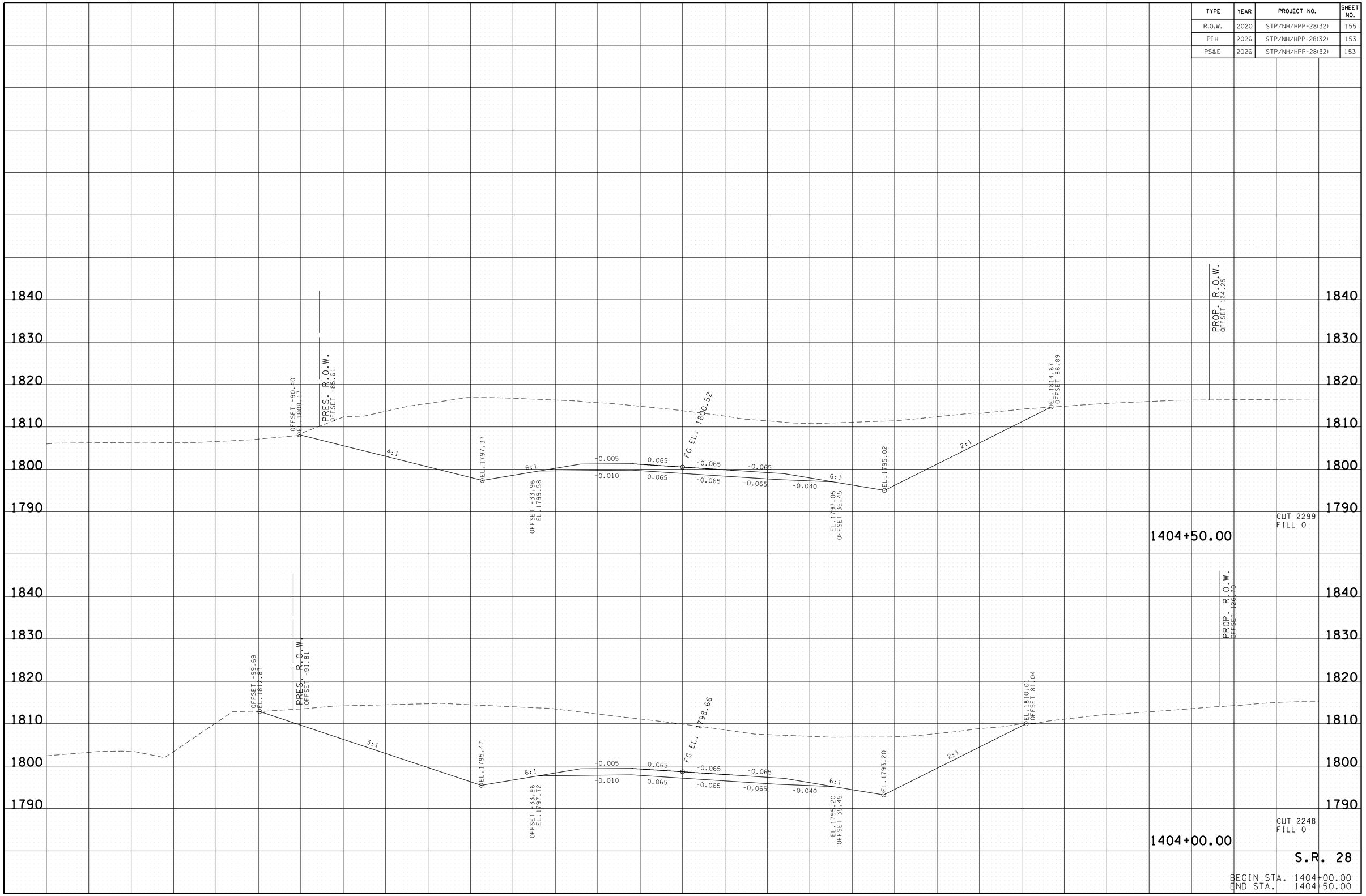
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	155
PIH	2026	STP/NH/HPP-28(32)	153
PS&E	2026	STP/NH/HPP-28(32)	153



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	156
PIH	2026	STP/NH/HPP-28(32)	154
PS&E	2026	STP/NH/HPP-28(32)	154

1405+50.00

PRES. R.O.W.
OFFSET -76.99

OFFSET -99.78
EL. 1814.74

EL. 1801.17

OFFSET -33.96
EL. 1803.09

FG EL. 1804.03

EL. 1800.56
OFFSET 35.45

EL. 1798.67

EL. 1821.57
OFFSET 32.58

PROP. R.O.W.
OFFSET 116.93

4:1 6:1 -0.005 -0.010 0.065 0.065 -0.065 -0.065 -0.065 -0.065 -0.040 6:1 2:1

CUT 2874
FILL 0

1405+00.00

PRES. R.O.W.
OFFSET -80.34

OFFSET -104.74
EL. 1813.82

EL. 1799.27

OFFSET -33.96
EL. 1801.37

FG EL. 1802.51

EL. 1798.84
OFFSET 35.45

EL. 1796.85

EL. 1817.95
OFFSET 89.60

PROP. R.O.W.
OFFSET 120.95

4:1 6:1 -0.005 -0.010 0.065 0.065 -0.065 -0.065 -0.065 -0.065 -0.040 6:1 2:1

CUT 2794
FILL 0

S.R. 28

BEGIN STA. 1405+00.00
END STA. 1405+50.00

1850 1840 1830 1820 1810 1800 1790

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

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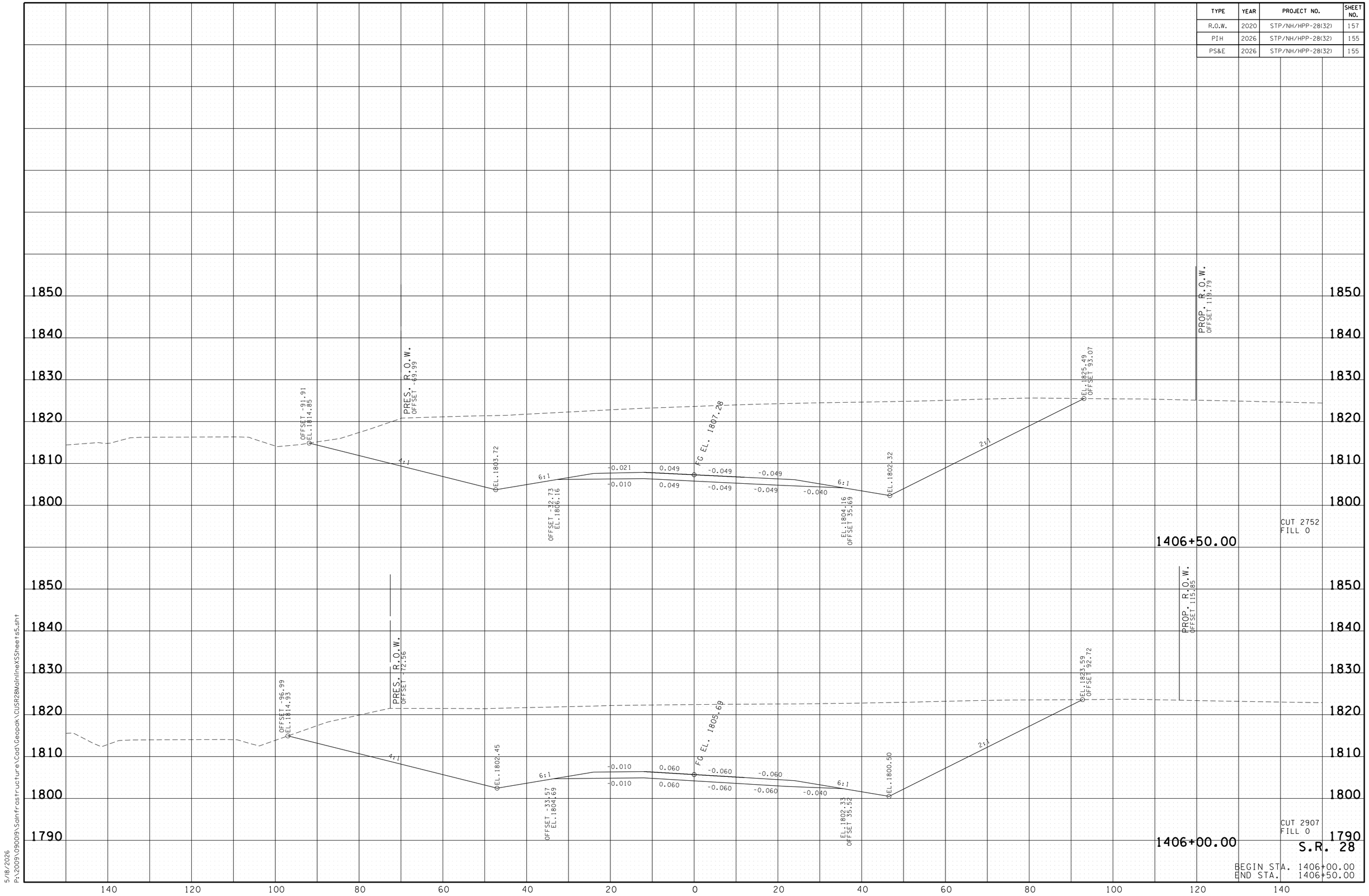
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	157
PIH	2026	STP/NH/HPP-28(32)	155
PS&E	2026	STP/NH/HPP-28(32)	155



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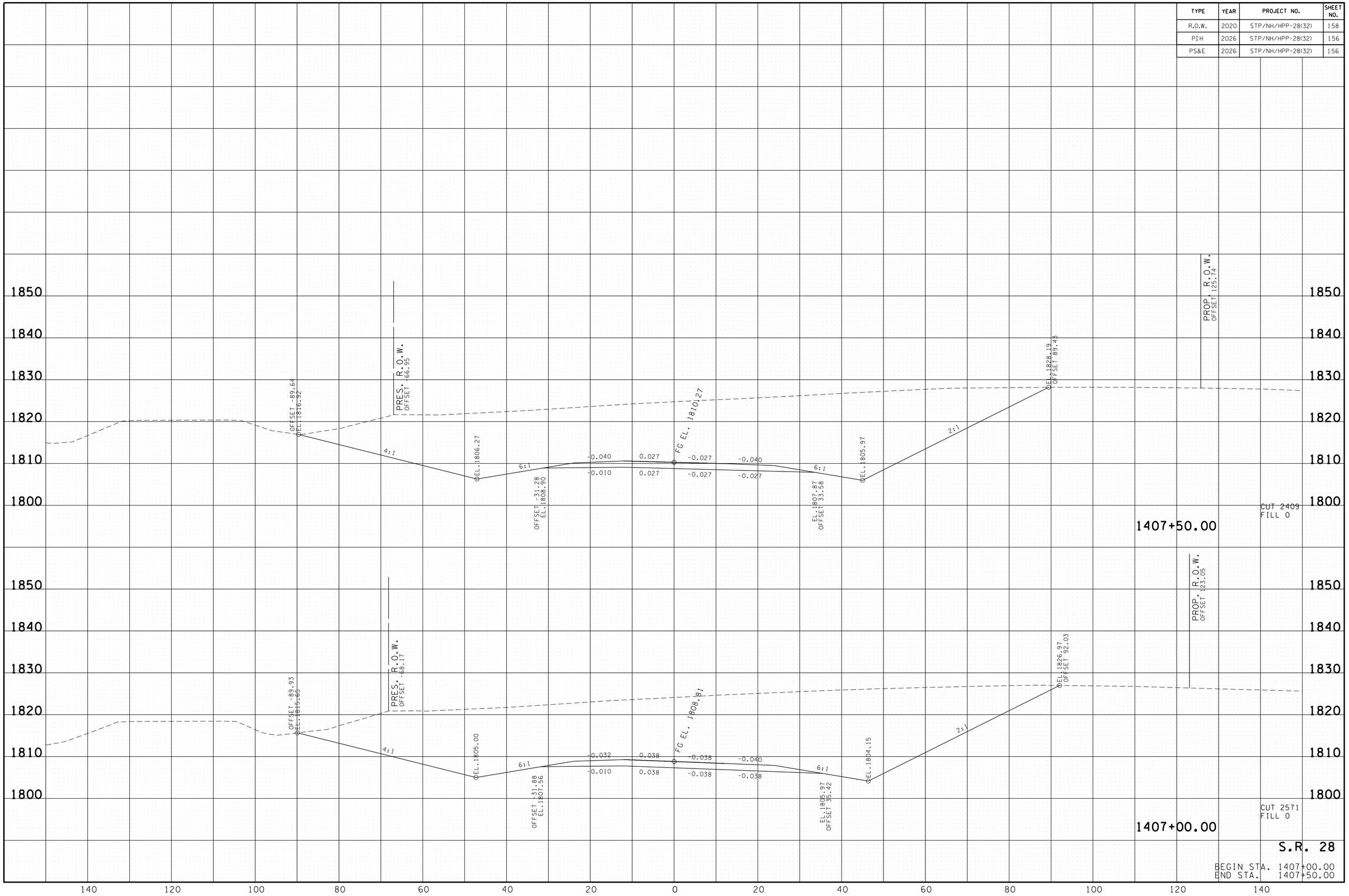
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	158
PIH	2026	STP/NH/HPP-28(32)	156
PS&E	2026	STP/NH/HPP-28(32)	156



S.R. 28

BEGIN STA. 1407+00.00
END STA. 1407+50.00

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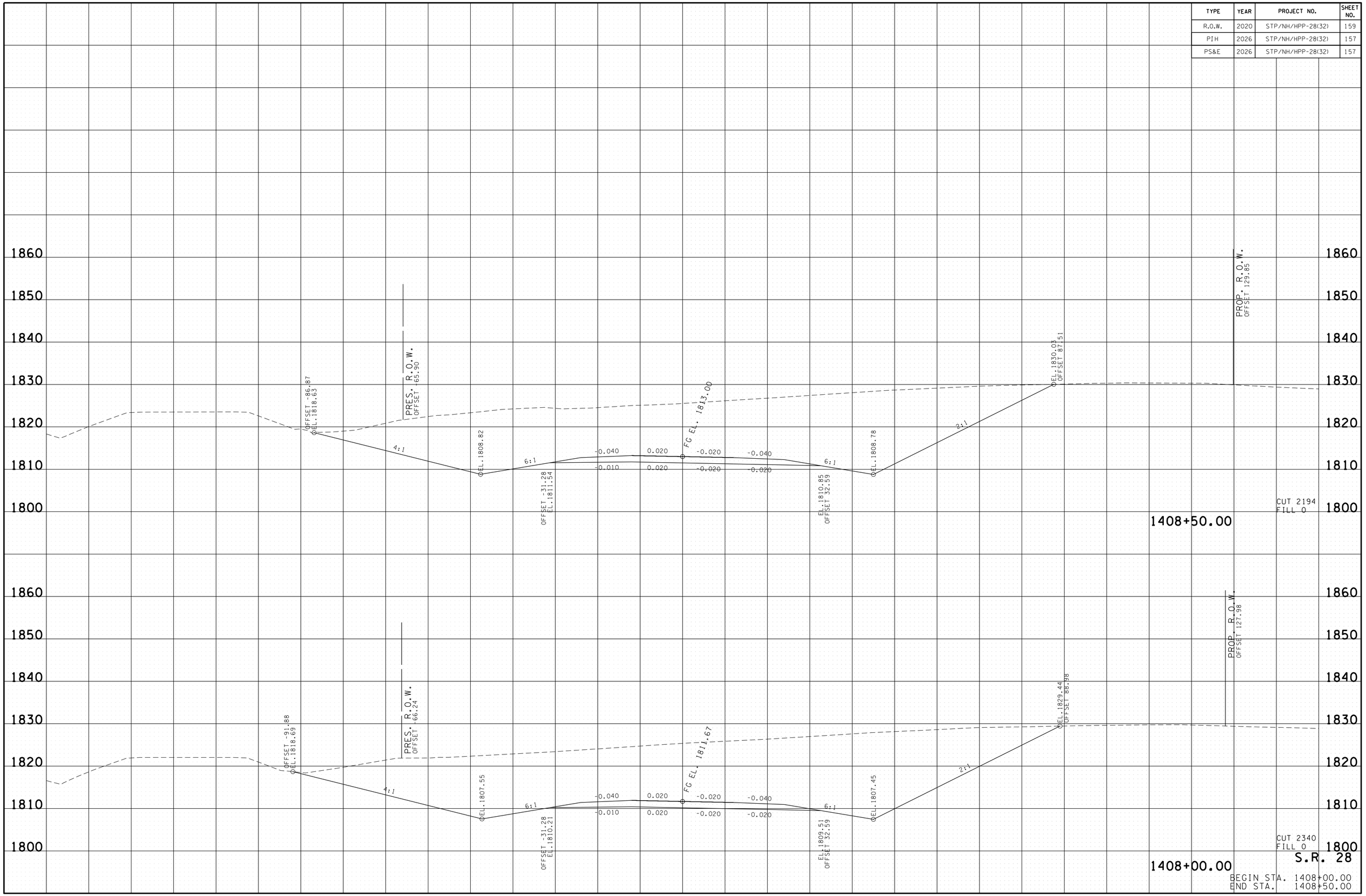
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	159
PIH	2026	STP/NH/HPP-28(32)	157
PS&E	2026	STP/NH/HPP-28(32)	157



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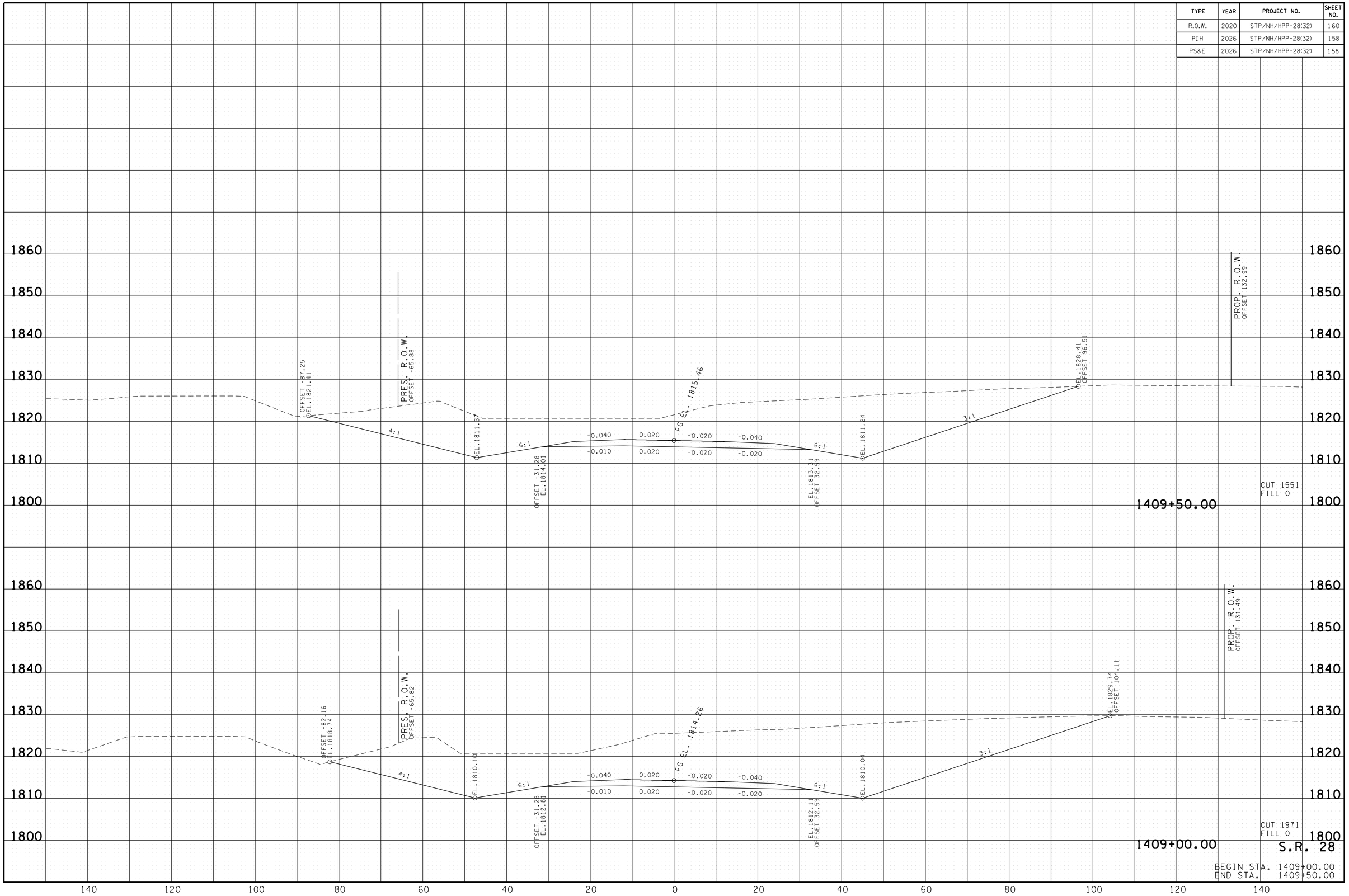
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	160
PIH	2026	STP/NH/HPP-28(32)	158
PS&E	2026	STP/NH/HPP-28(32)	158



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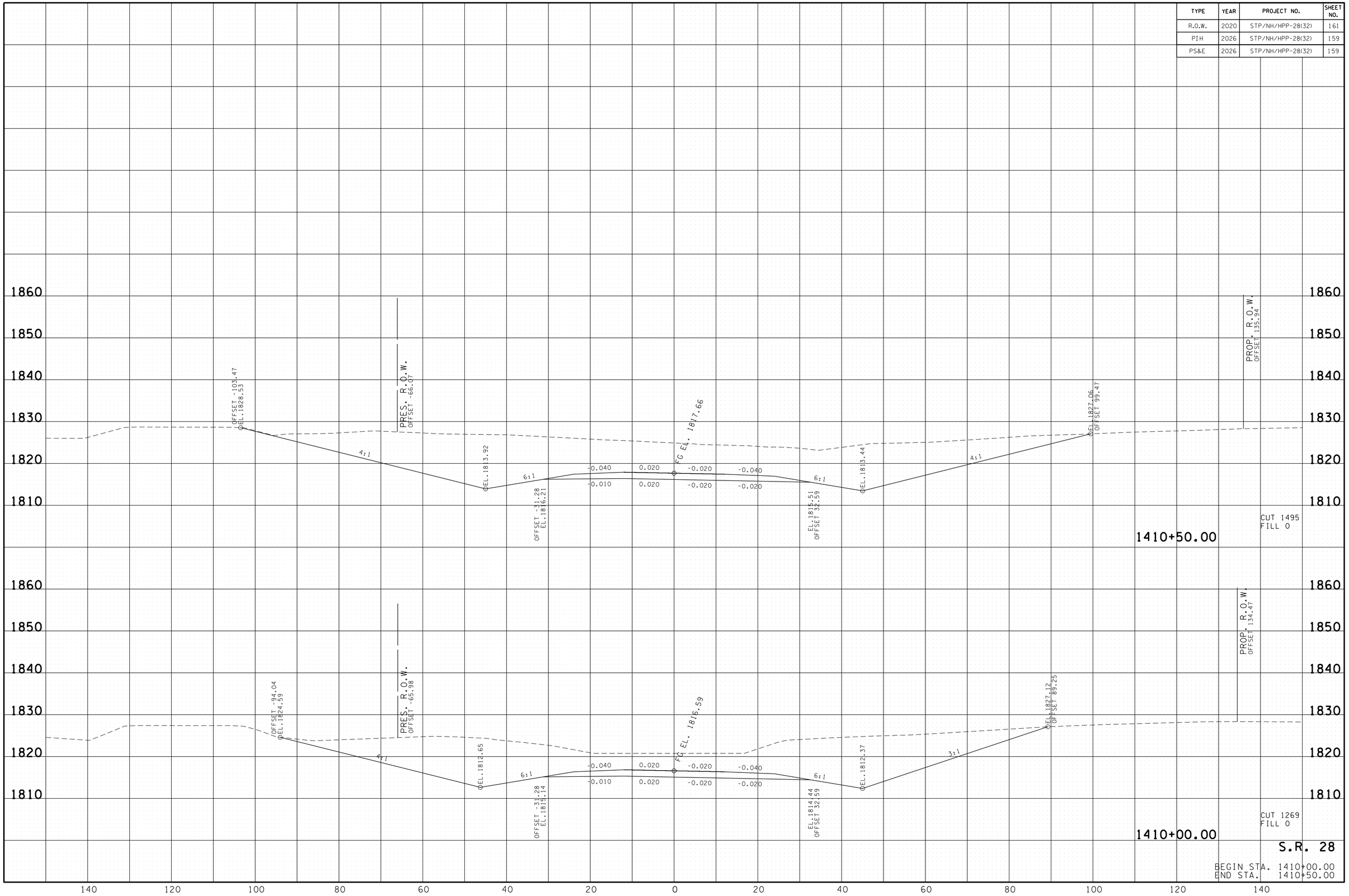
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	161
PIH	2026	STP/NH/HPP-28(32)	159
PS&E	2026	STP/NH/HPP-28(32)	159



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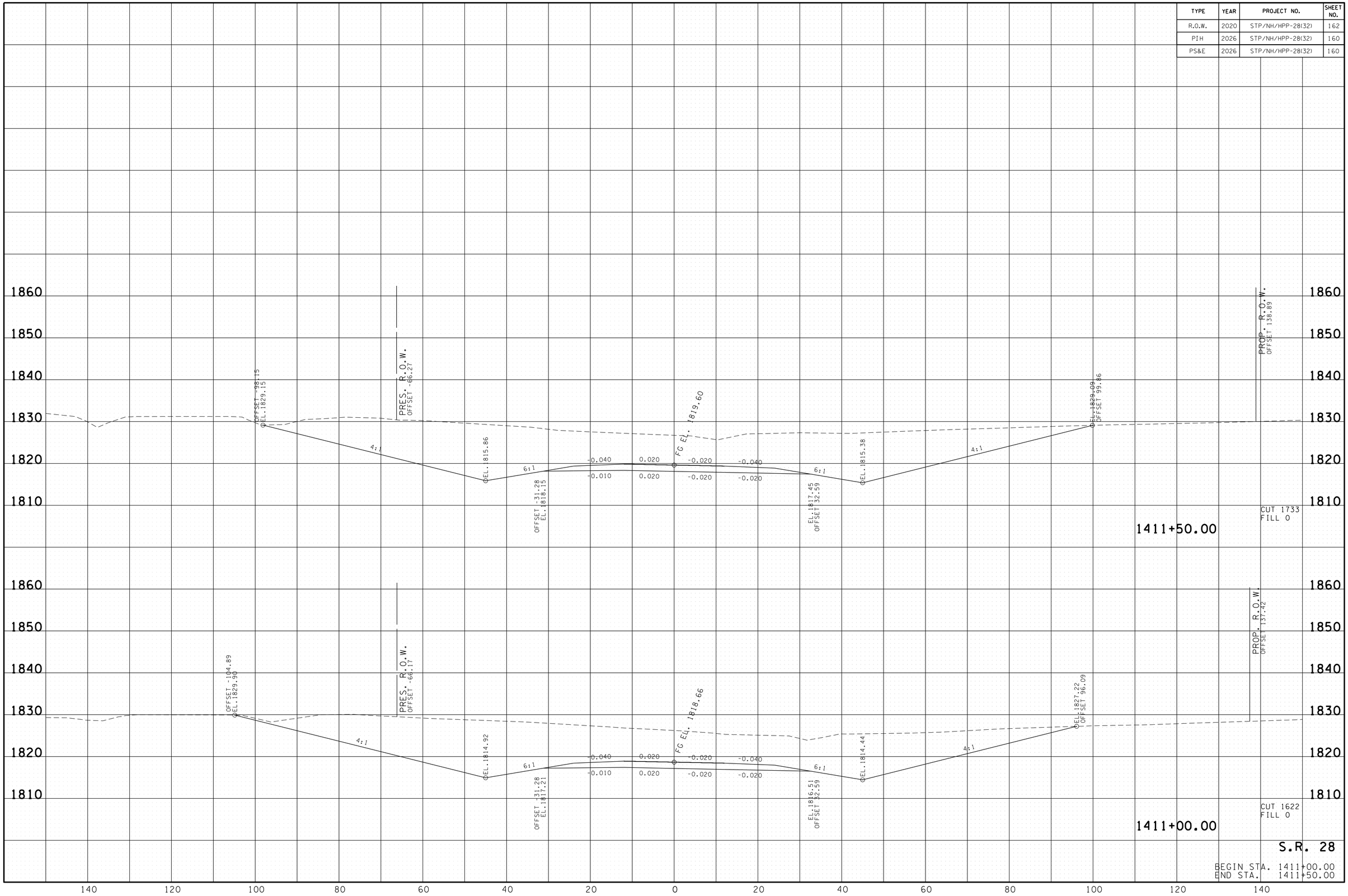
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	162
PIH	2026	STP/NH/HPP-28(32)	160
PS&E	2026	STP/NH/HPP-28(32)	160



S.R. 28

BEGIN STA. 1411+00.00
END STA. 1411+50.00

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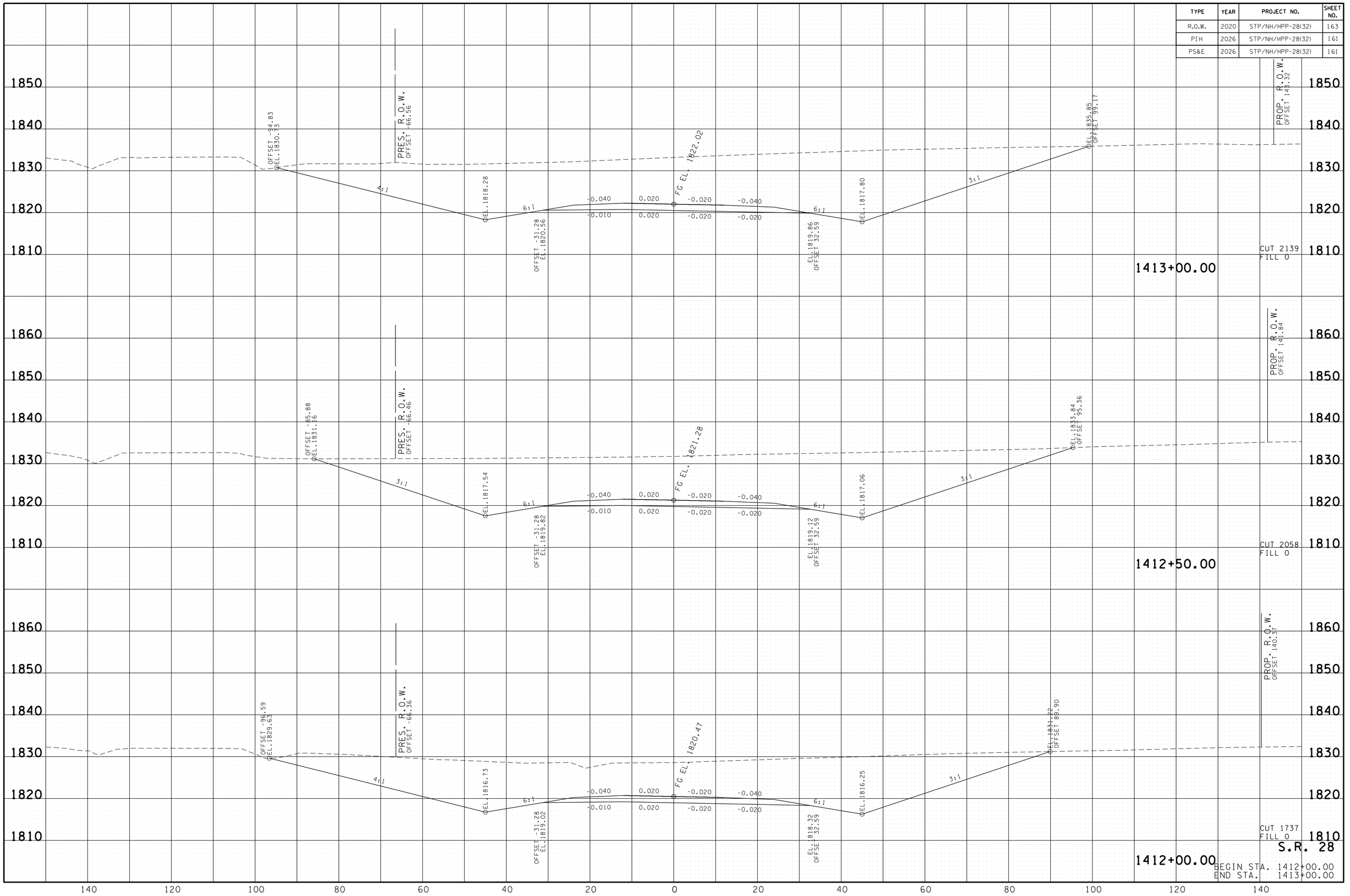
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	163
PIH	2026	STP/NH/HPP-28(32)	161
PS&E	2026	STP/NH/HPP-28(32)	161



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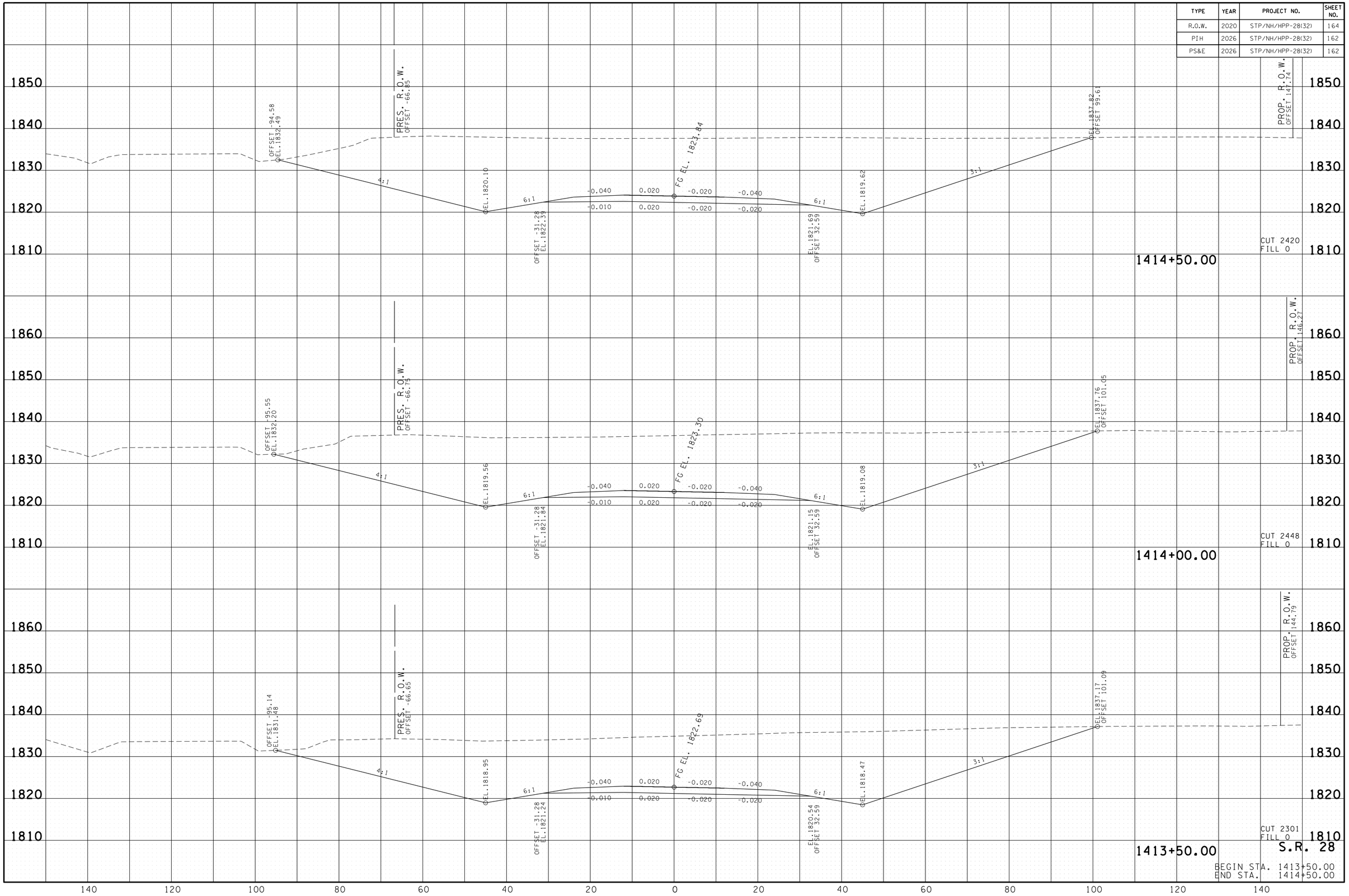
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	164
PIH	2026	STP/NH/HPP-28(32)	162
PS&E	2026	STP/NH/HPP-28(32)	162



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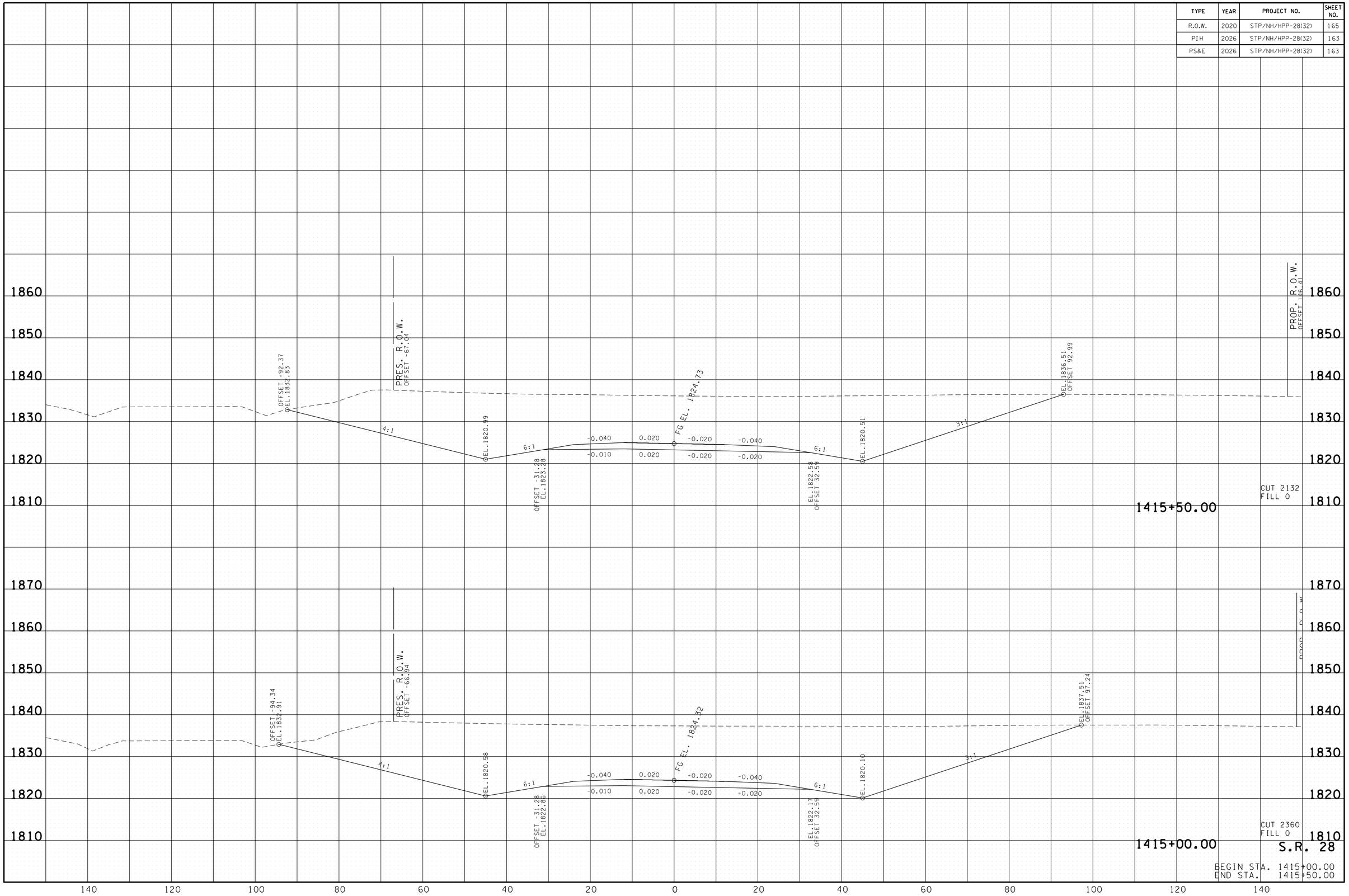
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	165
PIH	2026	STP/NH/HPP-28(32)	163
PS&E	2026	STP/NH/HPP-28(32)	163



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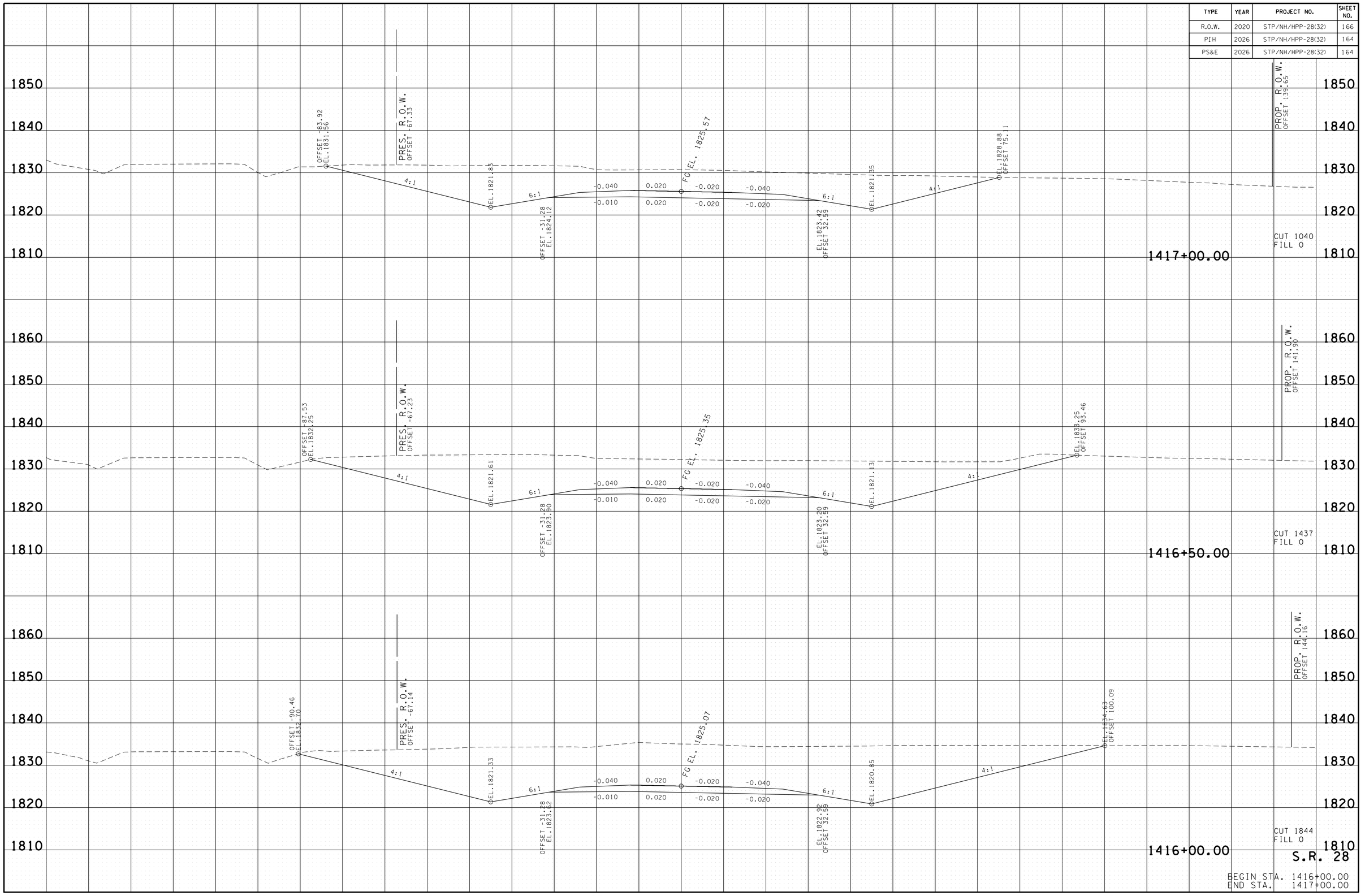
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	166
PIH	2026	STP/NH/HPP-28(32)	164
PS&E	2026	STP/NH/HPP-28(32)	164



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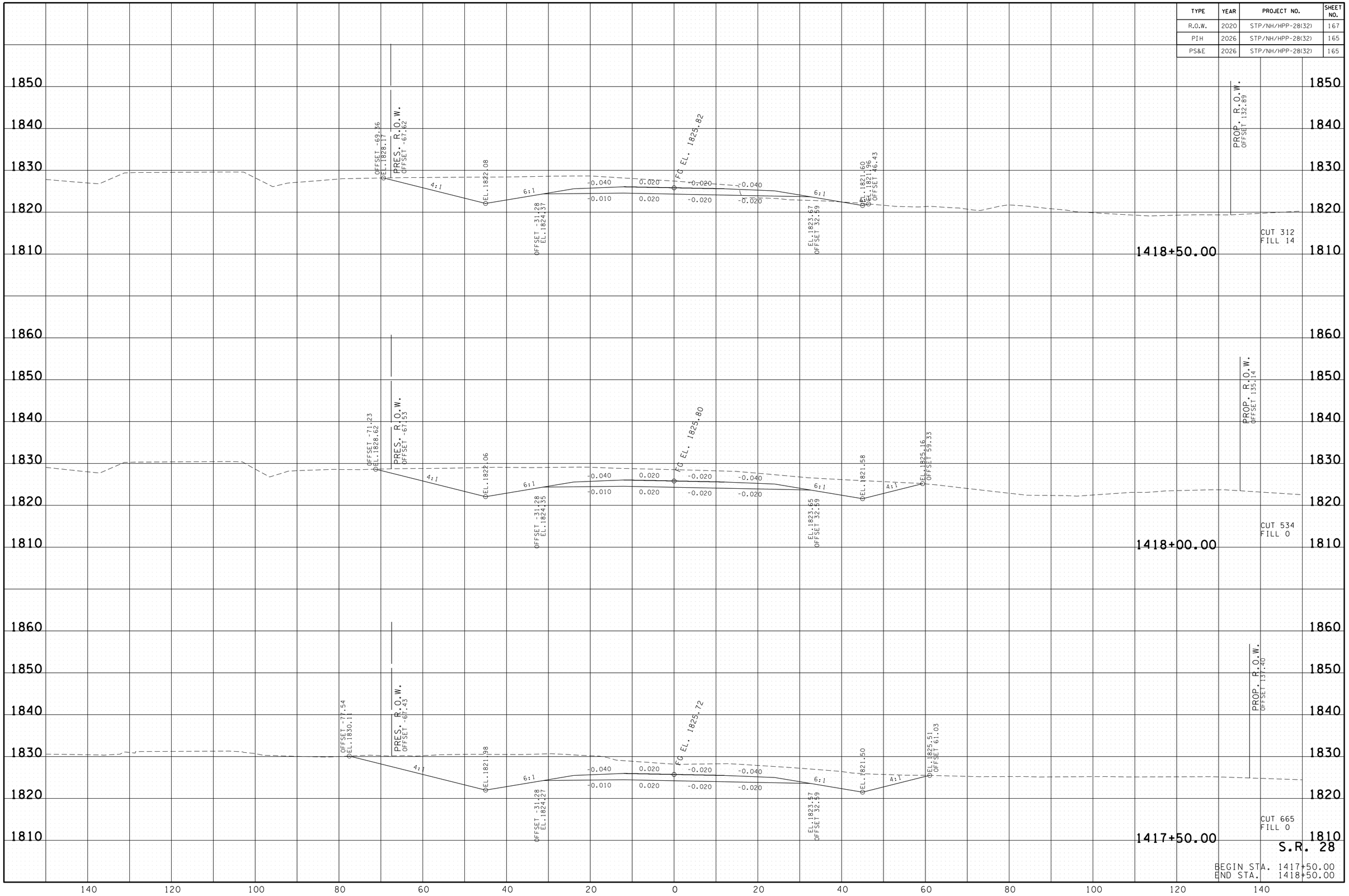
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	167
PIH	2026	STP/NH/HPP-28(32)	165
PS&E	2026	STP/NH/HPP-28(32)	165



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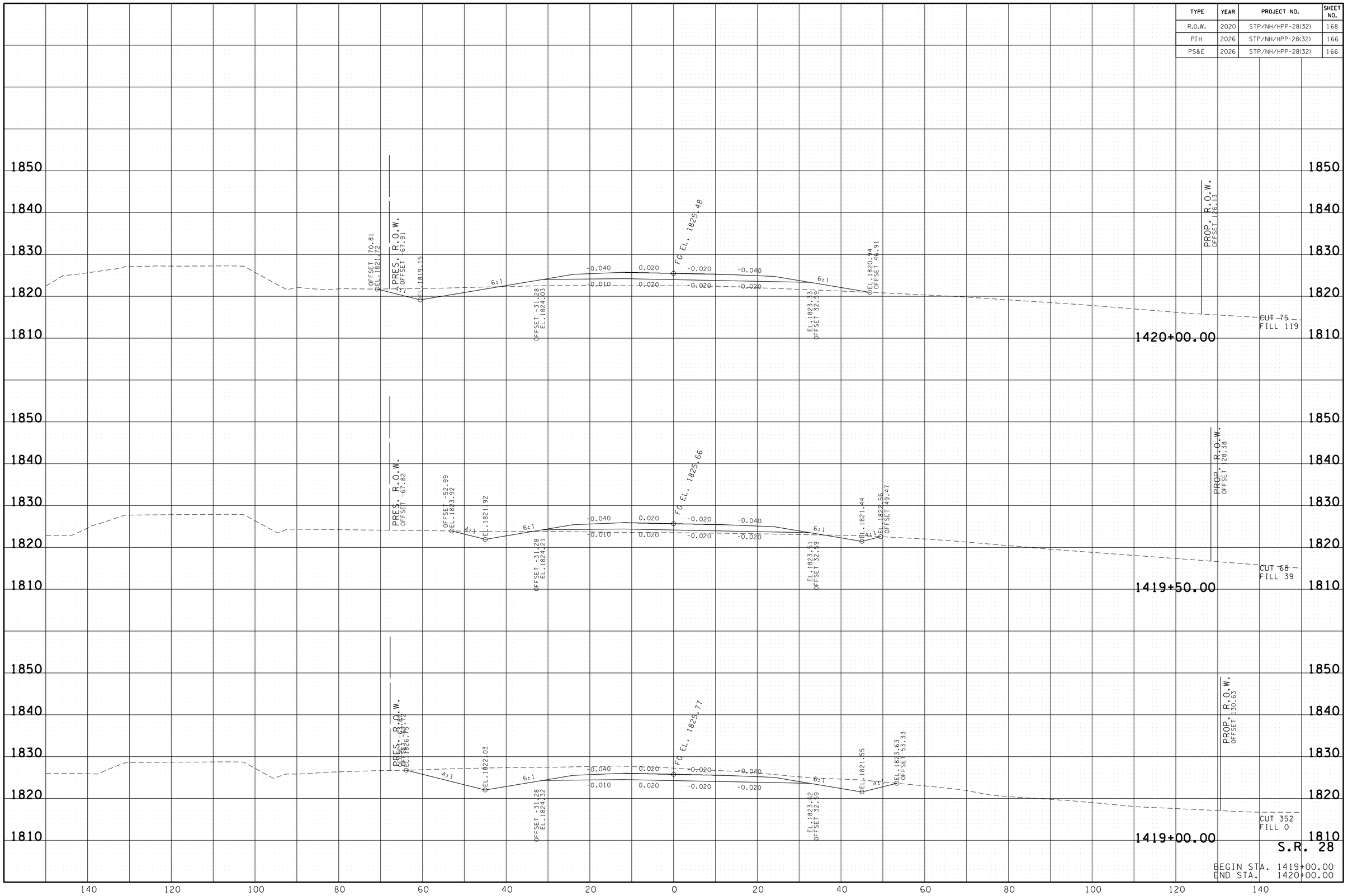
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	168
PIH	2026	STP/NH/HPP-28(32)	166
PS&E	2026	STP/NH/HPP-28(32)	166



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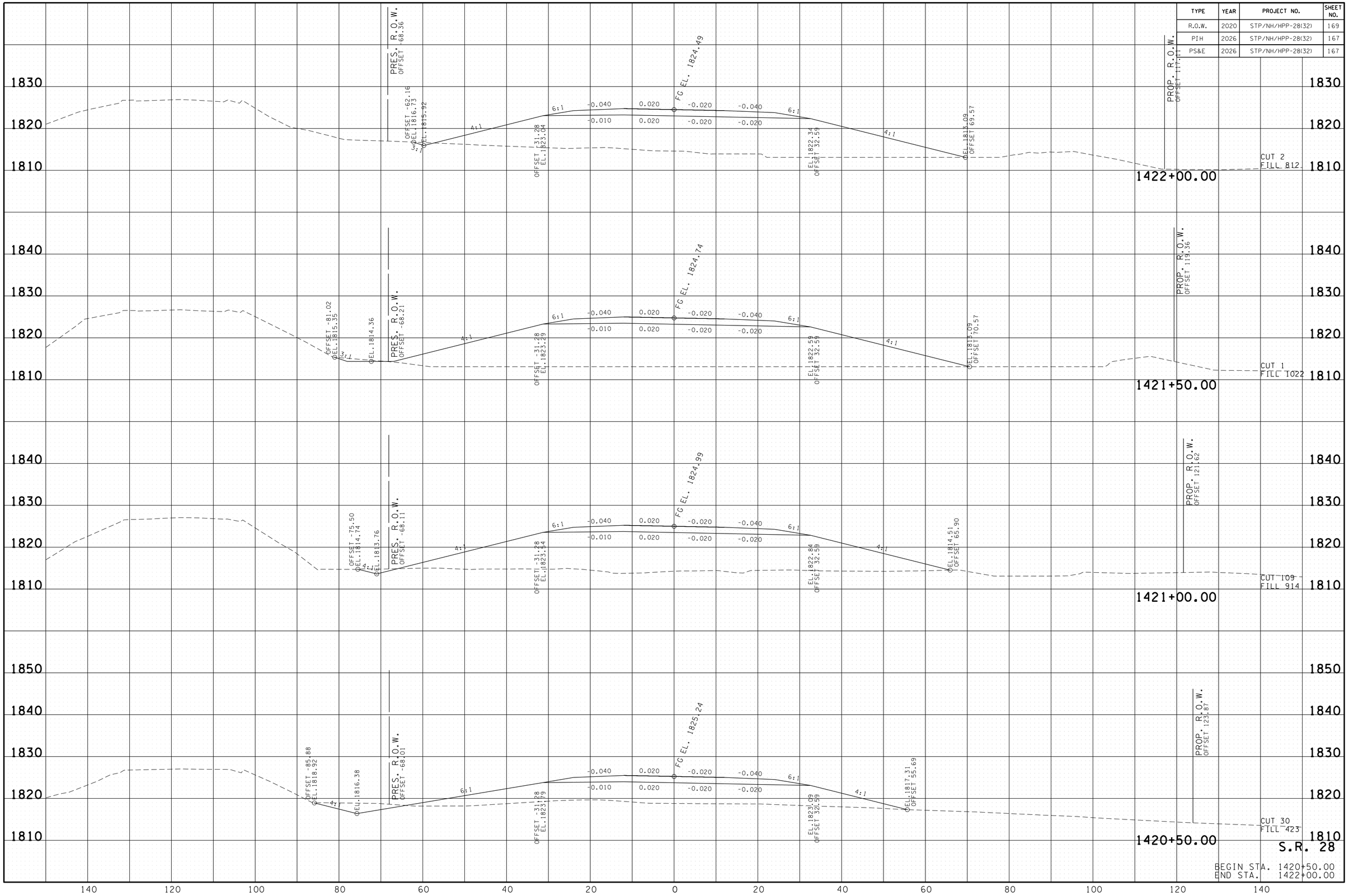
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	169
PIH	2026	STP/NH/HPP-28(32)	167
PS&E	2026	STP/NH/HPP-28(32)	167



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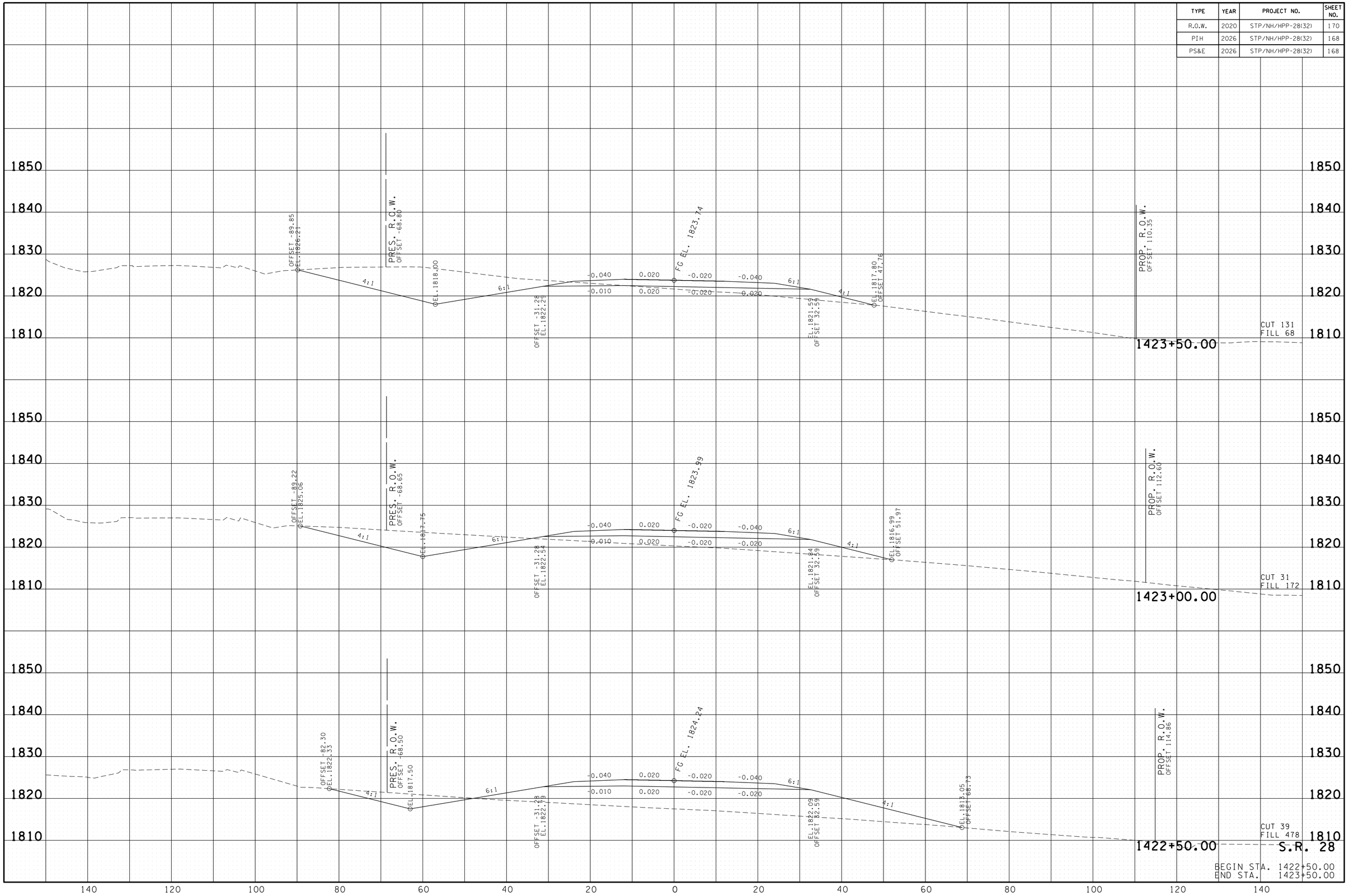
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	170
PIH	2026	STP/NH/HPP-28(32)	168
PS&E	2026	STP/NH/HPP-28(32)	168



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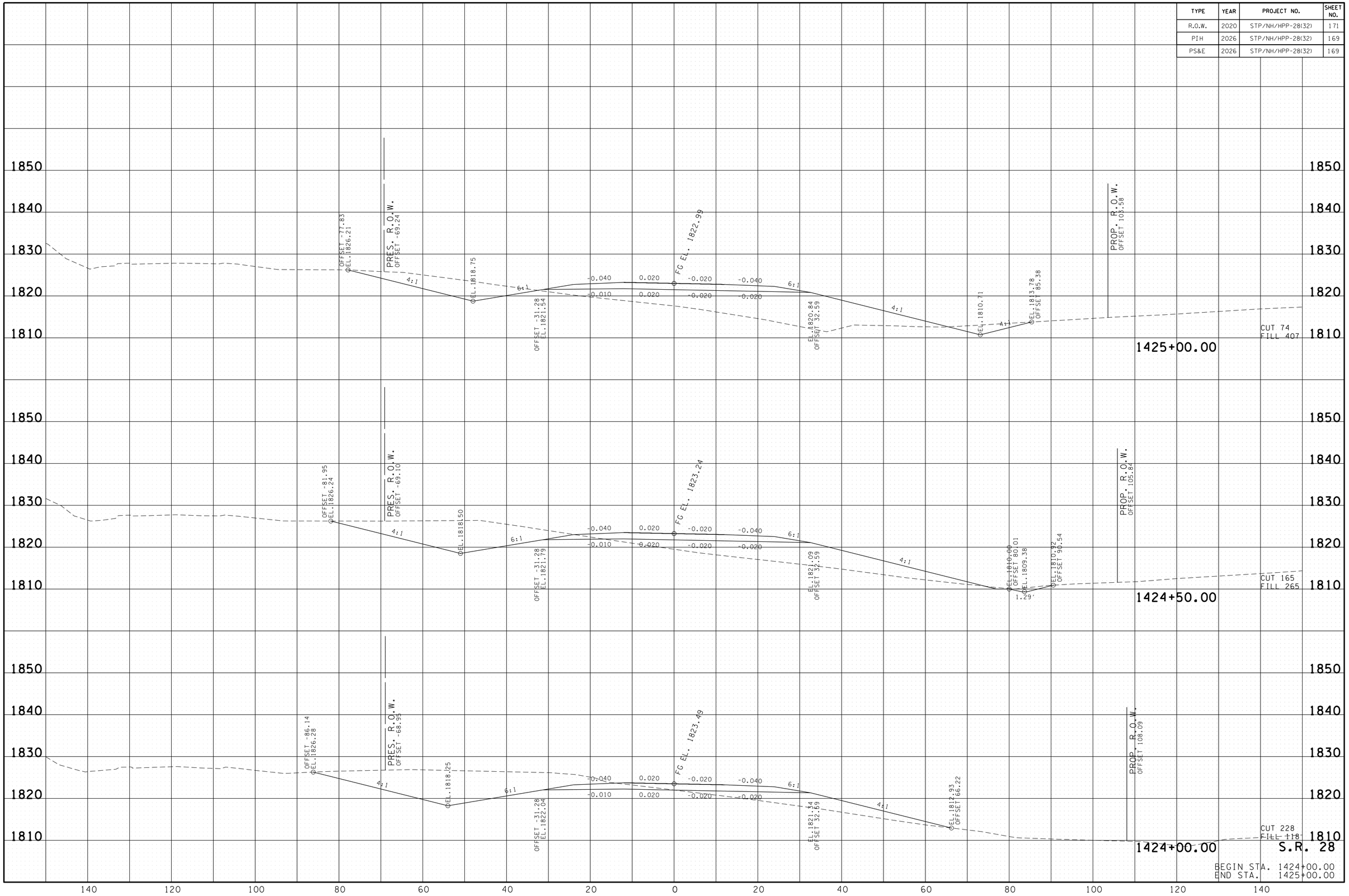
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	171
PIH	2026	STP/NH/HPP-28(32)	169
PS&E	2026	STP/NH/HPP-28(32)	169



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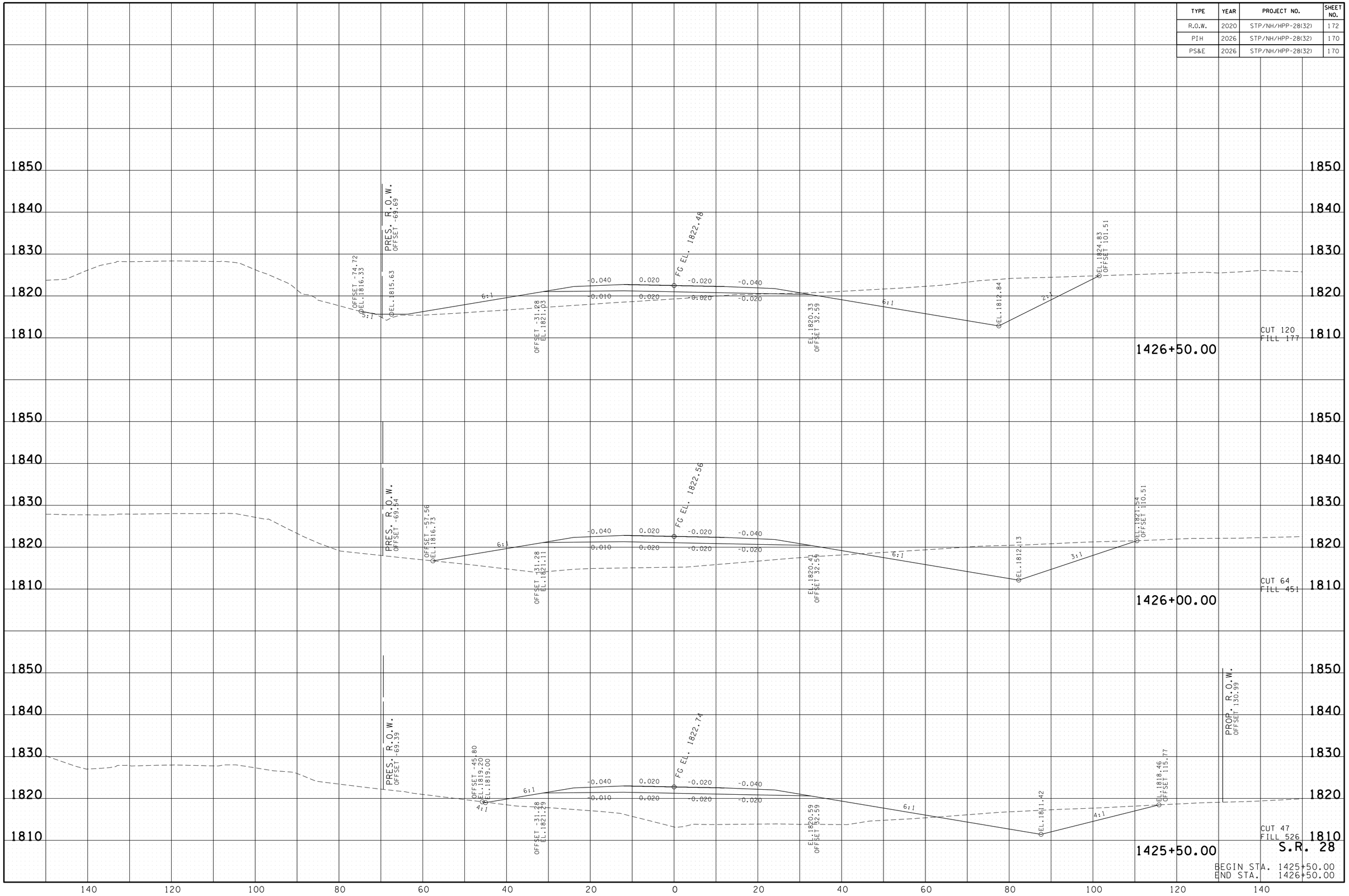
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	172
PIH	2026	STP/NH/HPP-28(32)	170
PS&E	2026	STP/NH/HPP-28(32)	170



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	173
PIH	2026	STP/NH/HPP-28(32)	171
PS&E	2026	STP/NH/HPP-28(32)	171

1428+00.00

CUT 754
FILL 0

PRES. R.O.W.
OFFSET 92.82

PRES. R.O.W.
OFFSET 129.35

OFFSET -83.88
EL.1828.82

PRES. R.O.W.
OFFSET -70.13

4:1

EL.1819.10

6:1

-0.040 0.020 -0.020
-0.010 0.020 0.020

FG EL. 1822.84

OFFSET 31.28
EL.1821.39

EL.1821.10
SIDEROAD *** OFFSET 12.00

1427+50.00

CUT 591
FILL 0

OFFSET -110.19
EL.1828.81

4.32:1

OFFSET -79.13
EL.1827.41

PRES. R.O.W.
OFFSET -69.99

4:1

EL.1818.88

6:1

-0.040 0.020 -0.020
-0.010 0.020 -0.020

FG EL. 1822.62

OFFSET 31.28
EL.1821.17

EL.1820.88
SIDEROAD *** OFFSET 12.00

PRES. R.O.W.
OFFSET 115.69

1427+00.00

CUT 360
FILL 1

OFFSET -145.62
EL.1822.74

3.7:1

EL.1815.54

3.5:1

OFFSET -87.03
EL.1824.04

4:1

PRES. R.O.W.
OFFSET -69.84

EL.1816.67

6:1

-0.040 0.020 -0.020 -0.040
-0.010 0.020 -0.020 -0.020

FG EL. 1822.50

OFFSET -31.28
EL.1821.05

EL.1820.35
OFFSET 32.59

6:1

EL.1813.55

3:1

EL.1827.62
OFFSET 115.59

PRES. R.O.W.
OFFSET 144.72

S.R. 28

BEGIN STA. 1427+00.00
END STA. 1428+00.00

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

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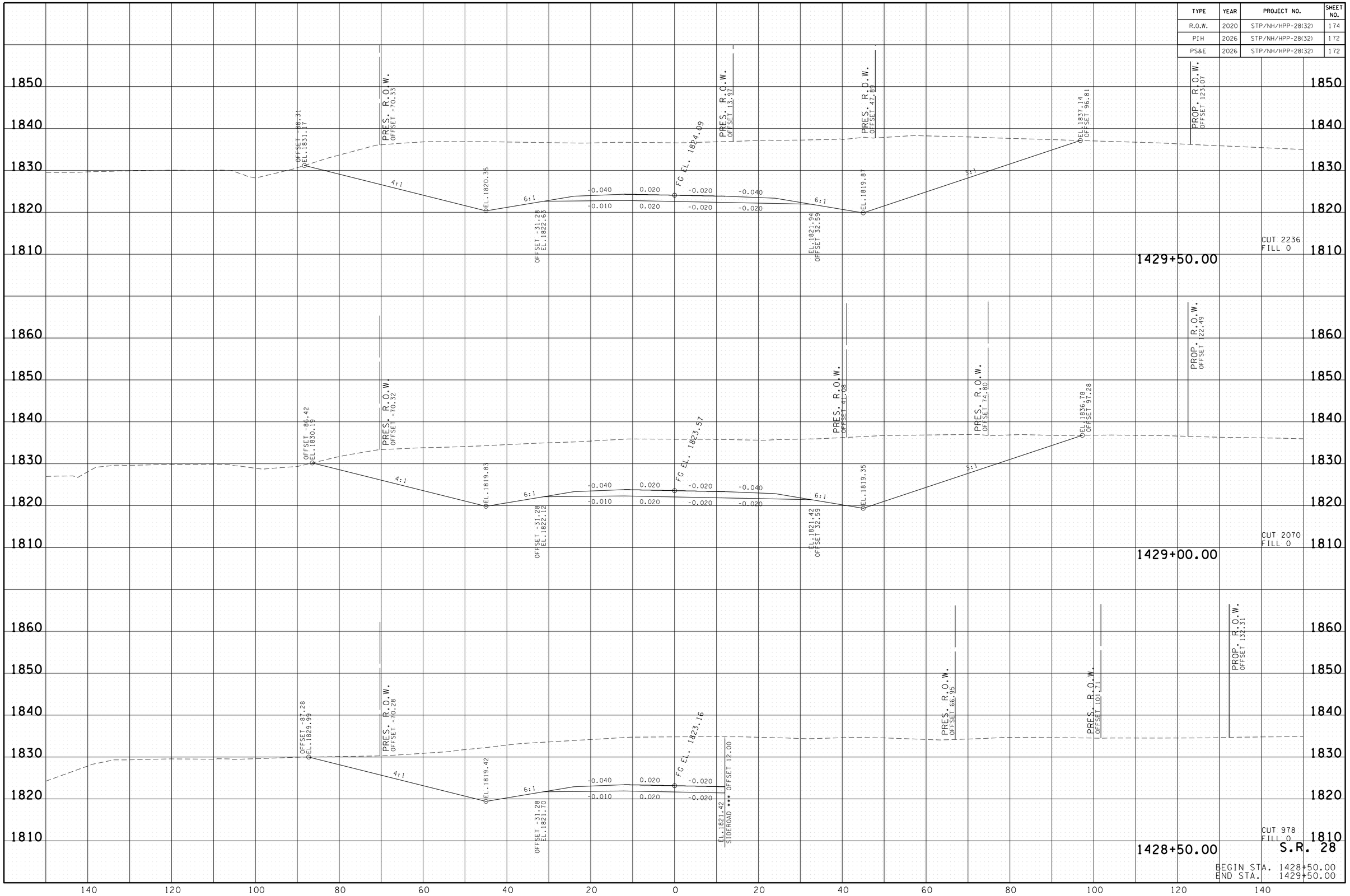
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	174
PIH	2026	STP/NH/HPP-28(32)	172
PS&E	2026	STP/NH/HPP-28(32)	172



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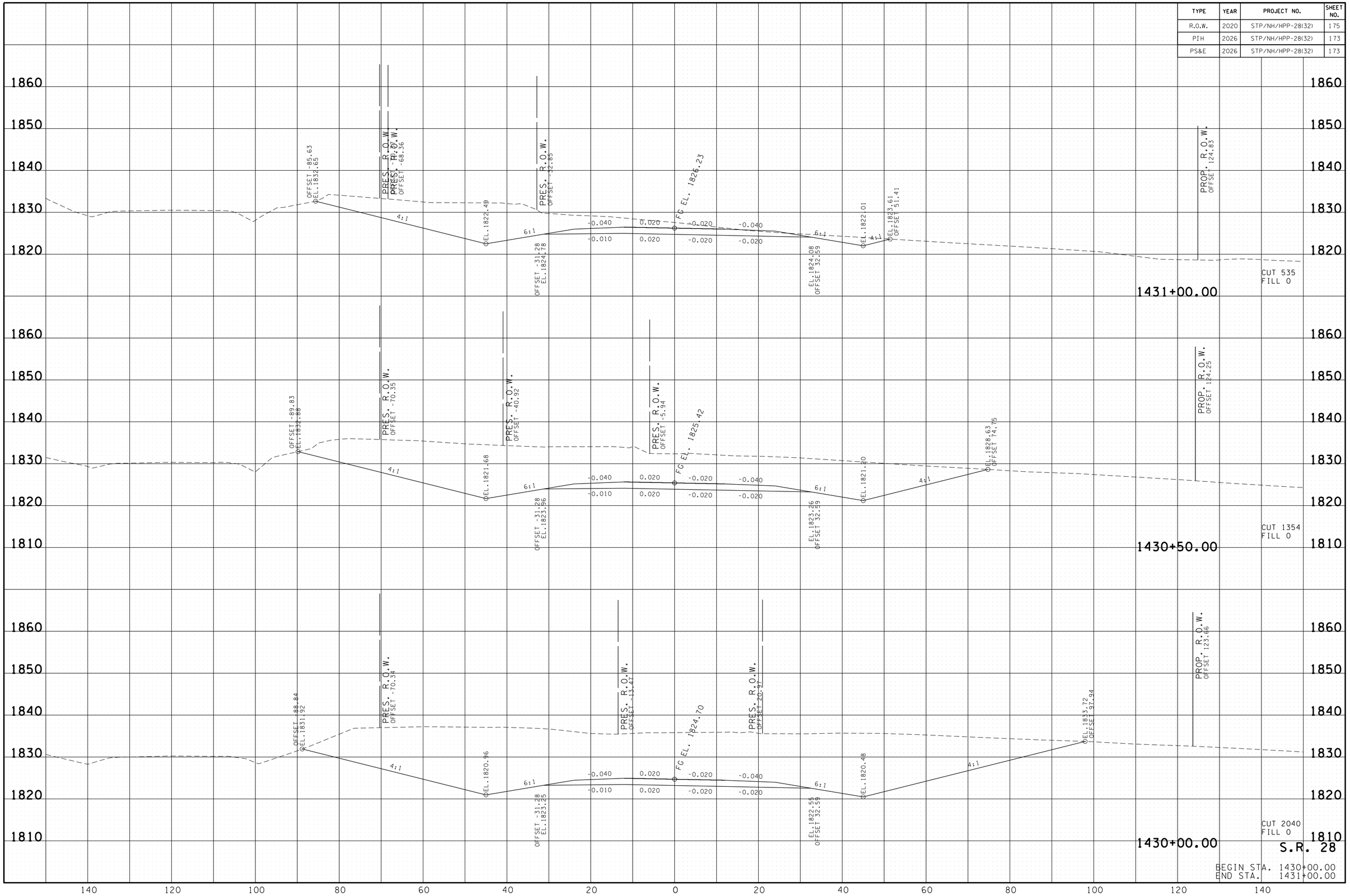
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	175
PIH	2026	STP/NH/HPP-28(32)	173
PS&E	2026	STP/NH/HPP-28(32)	173



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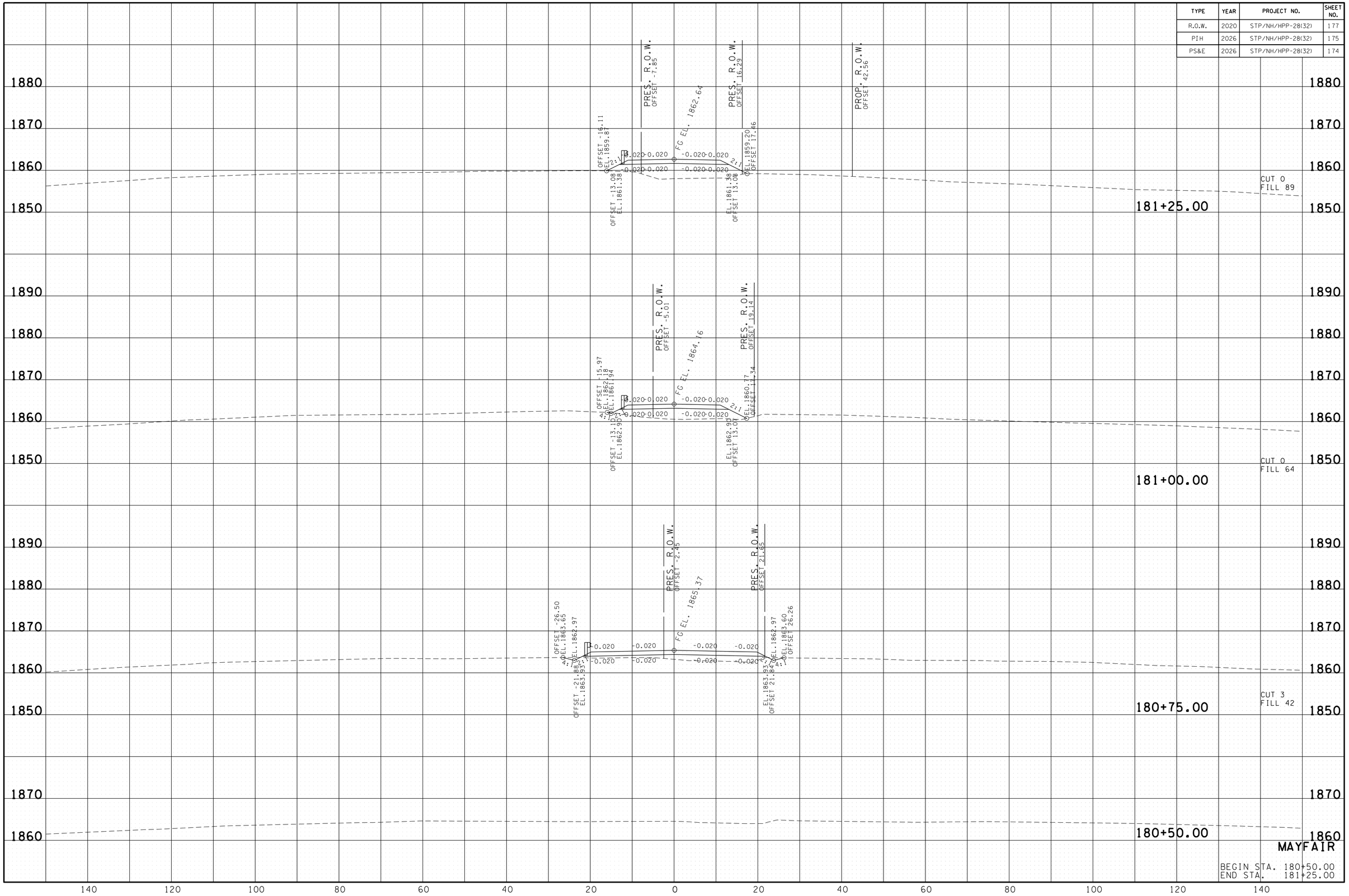
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	177
PIH	2026	STP/NH/HPP-28(32)	175
PS&E	2026	STP/NH/HPP-28(32)	174



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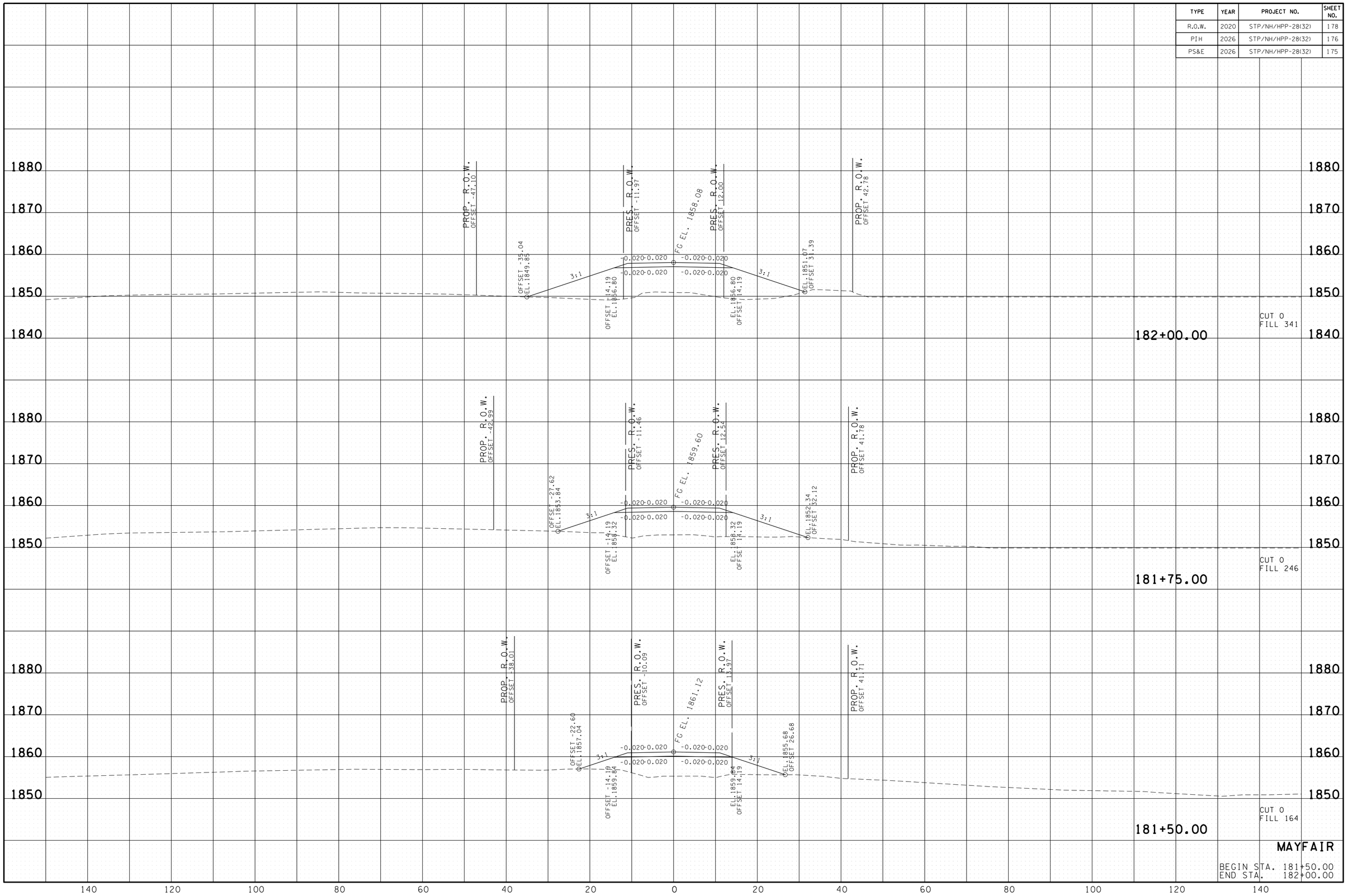
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	178
PIH	2026	STP/NH/HPP-28(32)	176
PS&E	2026	STP/NH/HPP-28(32)	175



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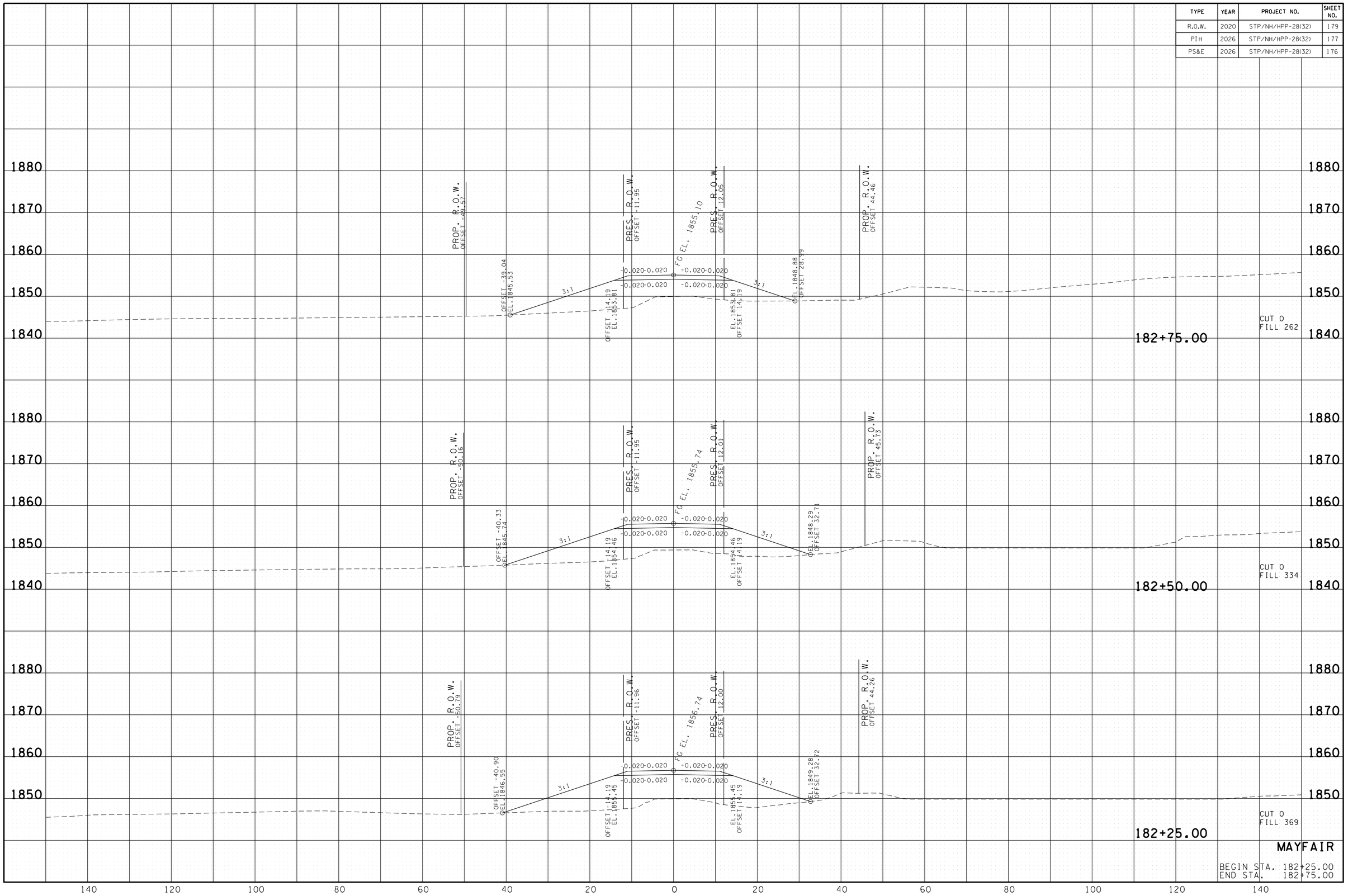
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	179
PIH	2026	STP/NH/HPP-28(32)	177
PS&E	2026	STP/NH/HPP-28(32)	176



MAYFAIR

BEGIN STA. 182+25.00
END STA. 182+75.00

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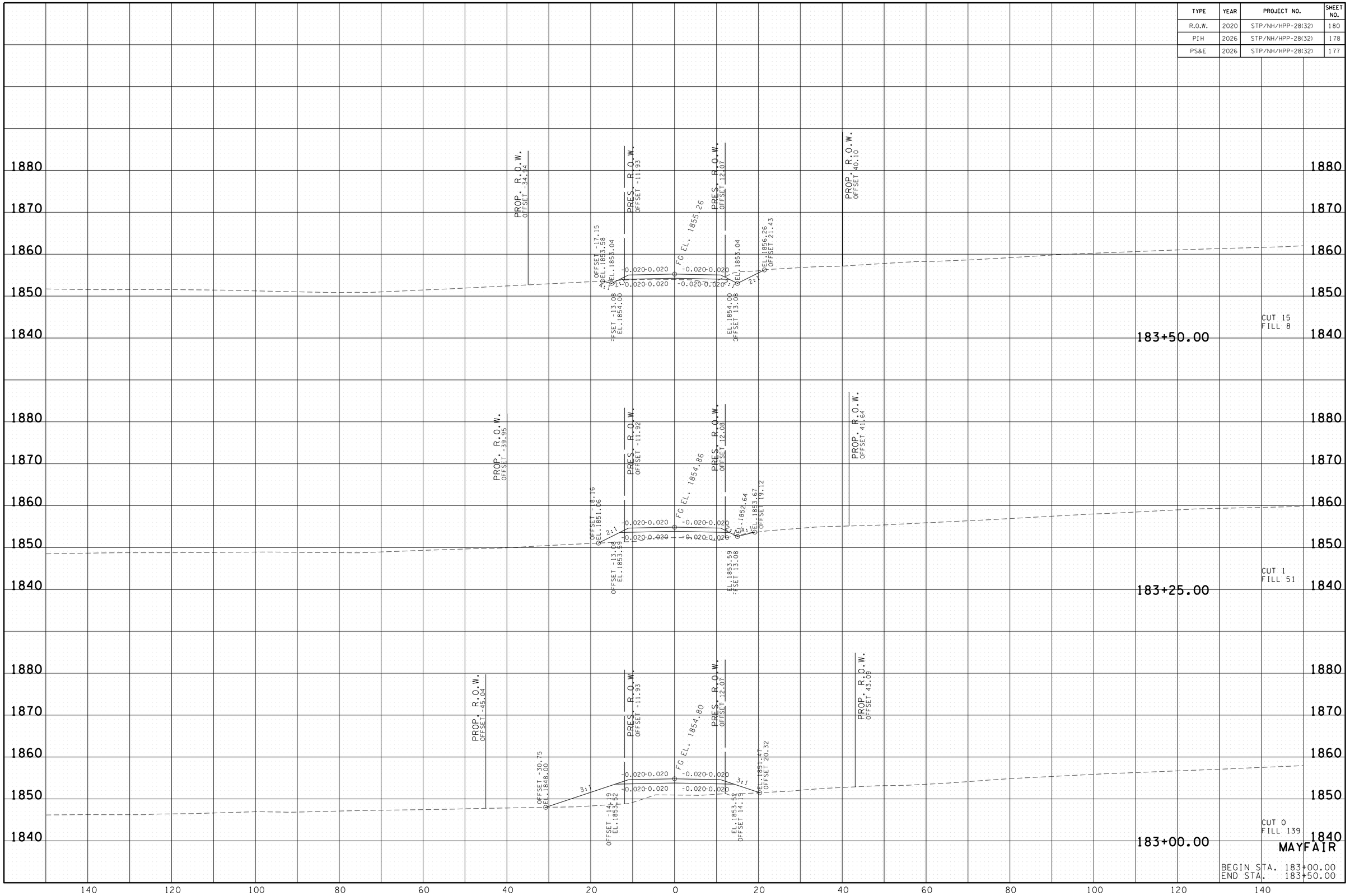
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	180
PIH	2026	STP/NH/HPP-28(32)	178
PS&E	2026	STP/NH/HPP-28(32)	177



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	181
PIH	2026	STP/NH/HPP-28(32)	179
PS&E	2026	STP/NH/HPP-28(32)	178

1870
1860
1890
1880
1870
1860
1890
1880
1870
1860
1850

184+25.00

PROP. R.O.W.
OFFSET -22.09

PRES. R.O.W.
OFFSET -12.00

PRES. R.O.W.
OFFSET 12.00

PROP. R.O.W.
OFFSET 28.91

FG EL. 1857.12

-0.020 -0.020
-0.020 -0.020

CUT 14
FILL 0

184+00.00

PROP. R.O.W.
OFFSET -28.46

PRES. R.O.W.
OFFSET -11.96

PRES. R.O.W.
OFFSET 12.04

PROP. R.O.W.
OFFSET 38.47

OFFSET -19.42
EL. 1855.19

FFSET -12.35
EL. 1854.77

EL. 1853.82

FG EL. 1856.01

EL. 1853.82

EL. 1854.77
OFFSET 12.37

EL. 1858.46
OFFSET 23.24

4:1
2:1

-0.020 0.020
-0.020 0.020
-0.020 0.020
-0.020 0.020

CUT 47
FILL 0

183+75.00

MAYFAIR

BEGIN STA. 183+75.00
END STA. 184+25.00

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

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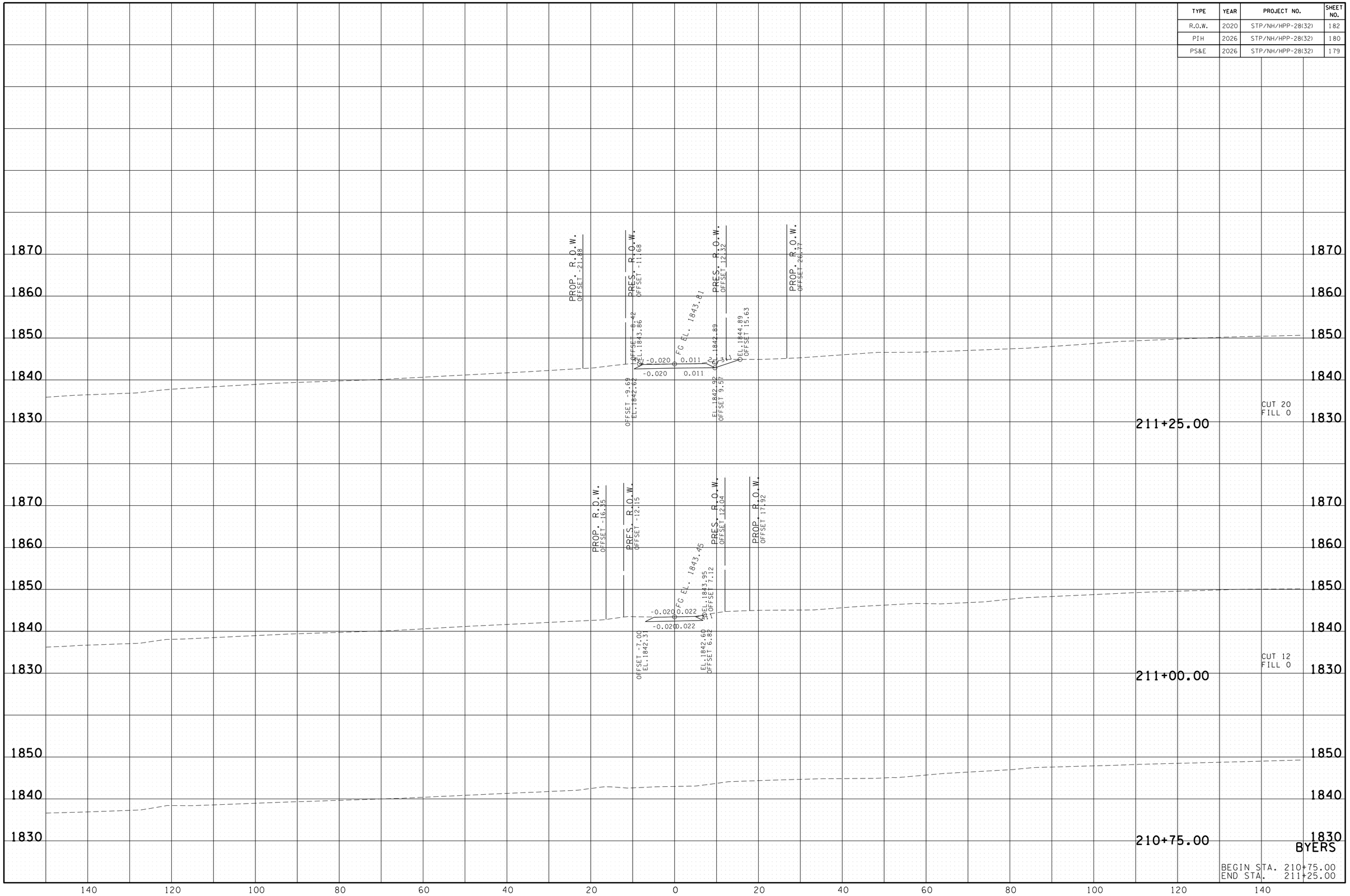
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	182
PIH	2026	STP/NH/HPP-28(32)	180
PS&E	2026	STP/NH/HPP-28(32)	179



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	183
PIH	2026	STP/NH/HPP-28(32)	181
PS&E	2026	STP/NH/HPP-28(32)	18D

BYERS

BEGIN STA. 211+50.00
END STA. 212+00.00

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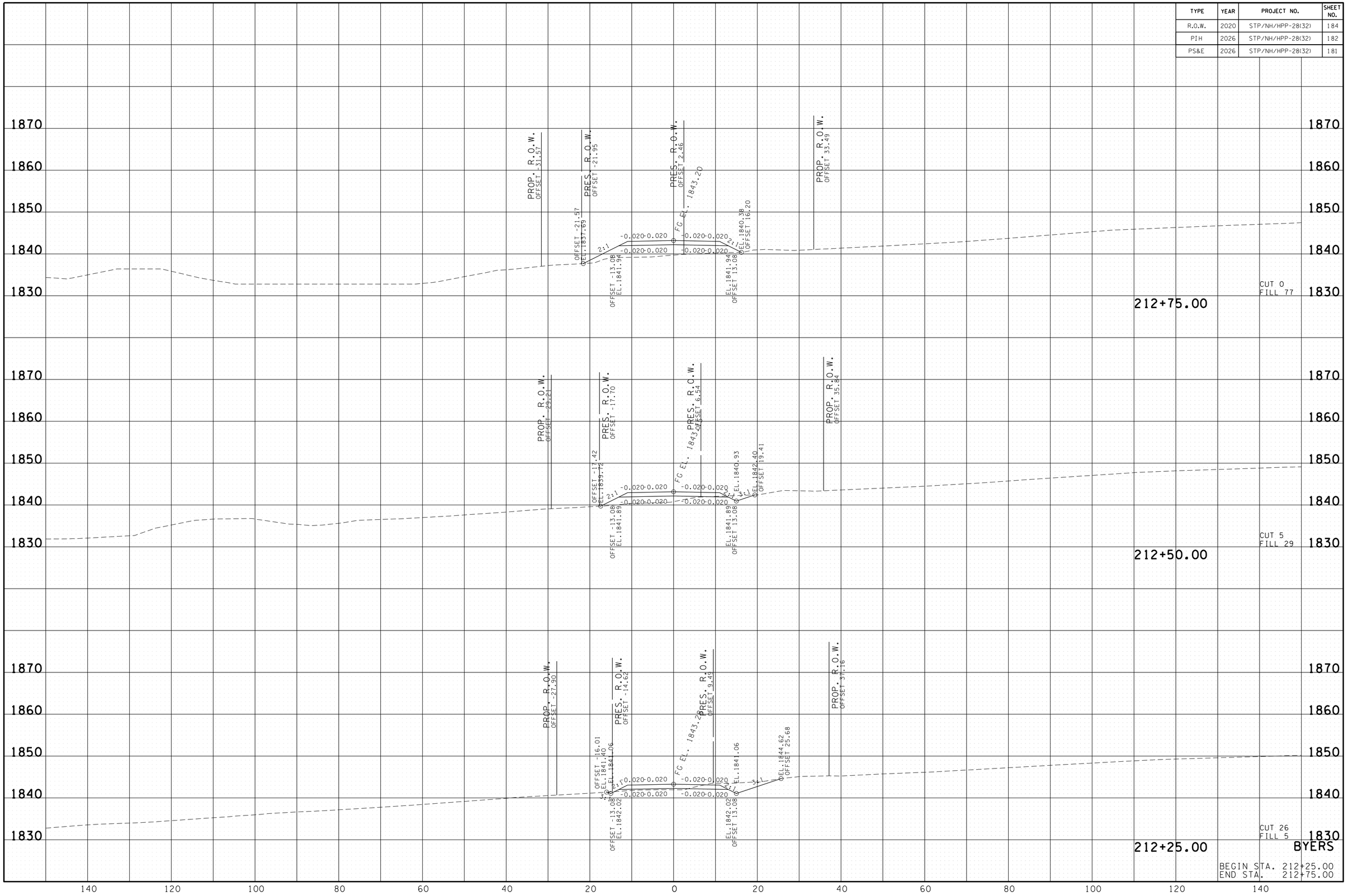
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	184
PIH	2026	STP/NH/HPP-28(32)	182
PS&E	2026	STP/NH/HPP-28(32)	181



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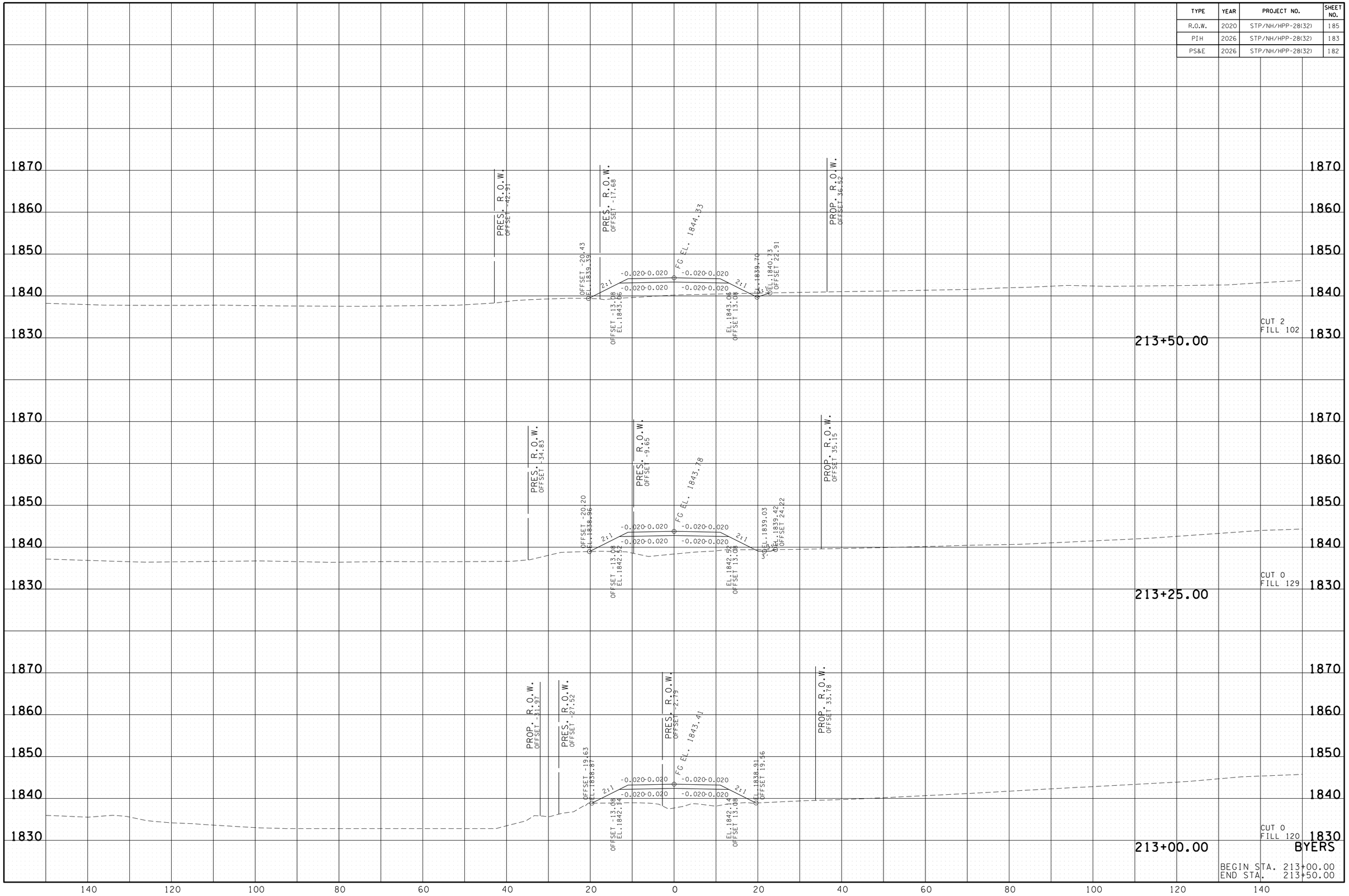
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	185
PIH	2026	STP/NH/HPP-28(32)	183
PS&E	2026	STP/NH/HPP-28(32)	182



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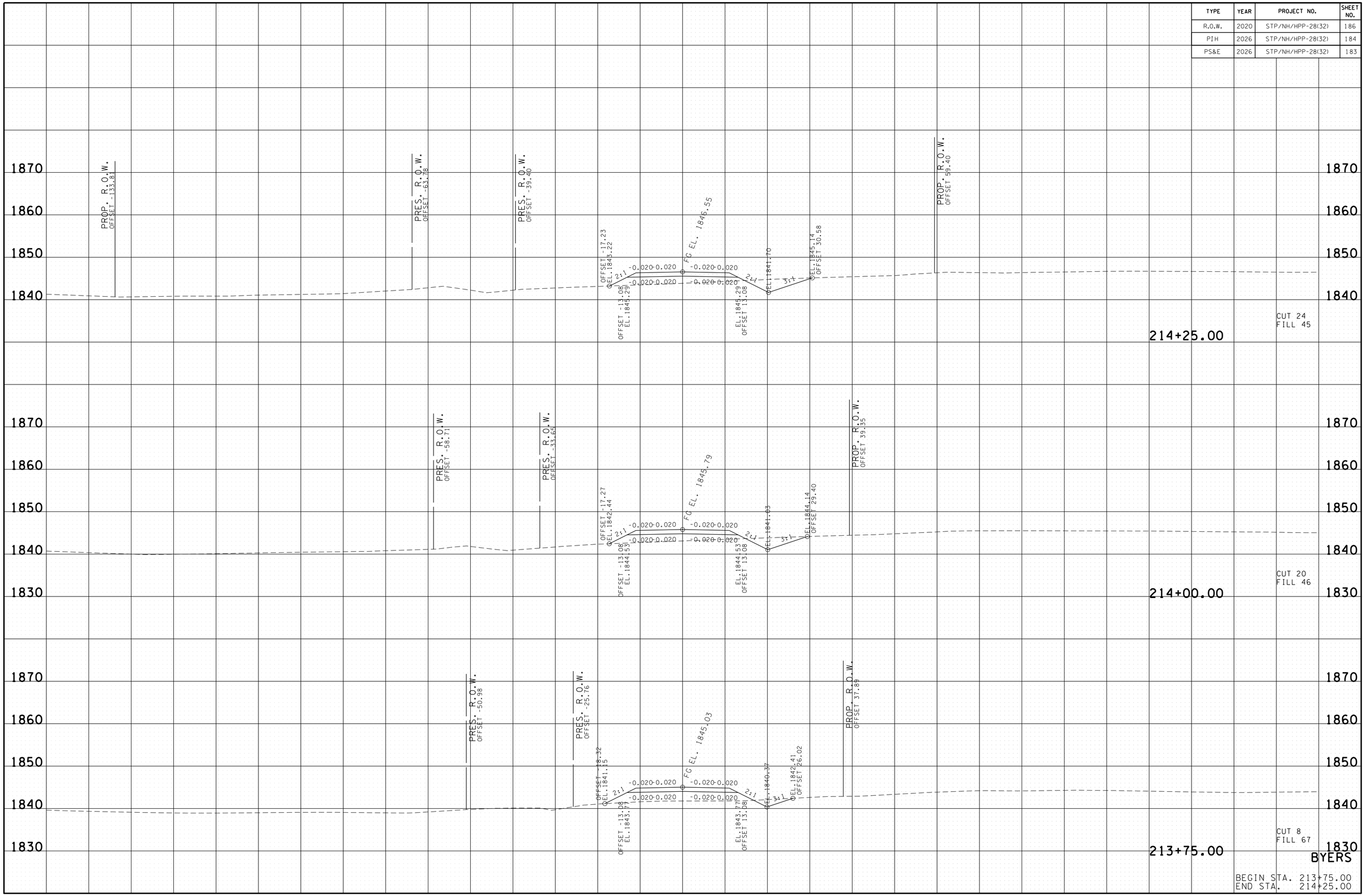
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	186
PIH	2026	STP/NH/HPP-28(32)	184
PS&E	2026	STP/NH/HPP-28(32)	183



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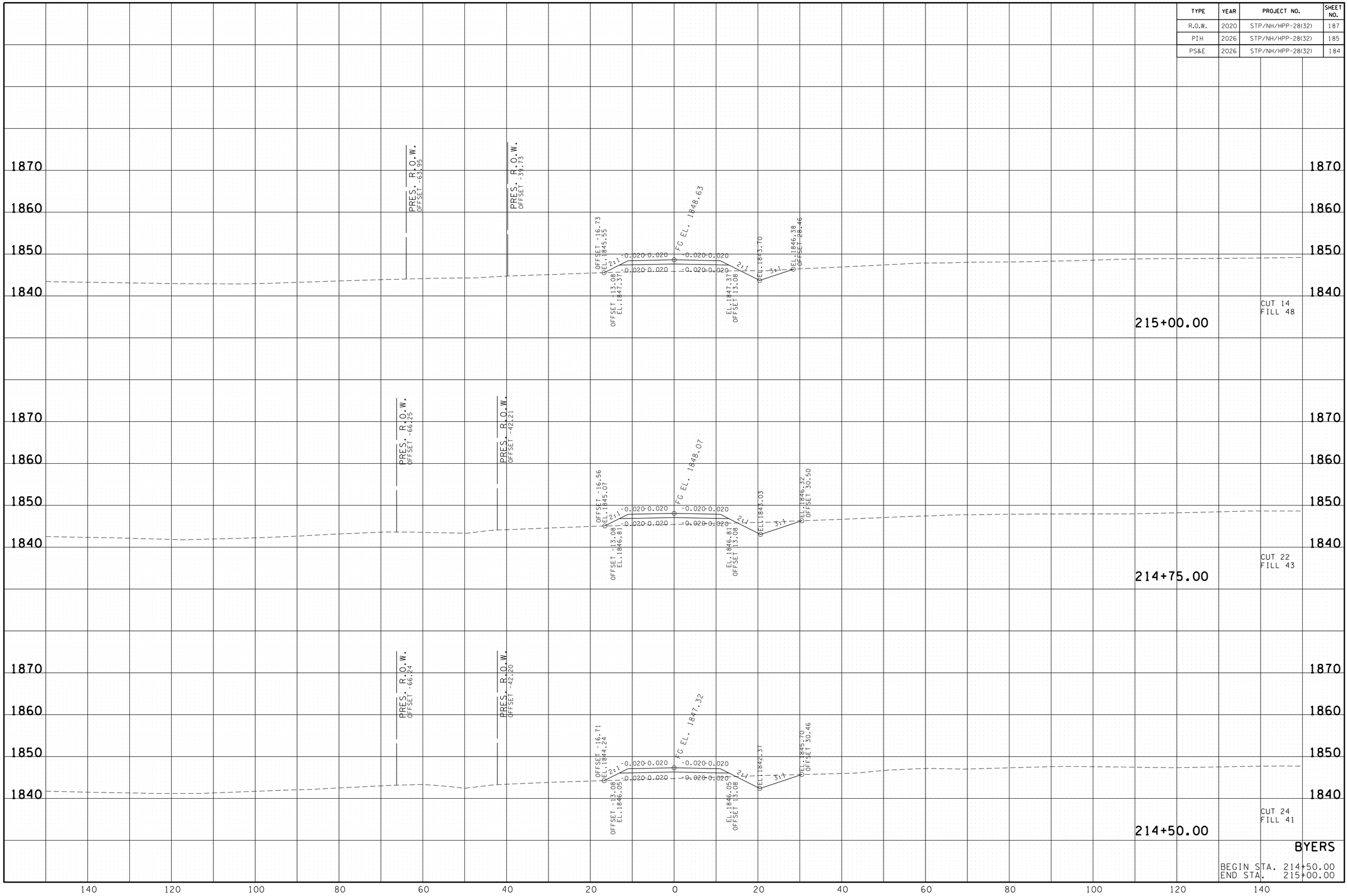
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	187
PIH	2026	STP/NH/HPP-28(32)	185
PS&E	2026	STP/NH/HPP-28(32)	184



BYERS

BEGIN STA. 214+50.00
END STA. 215+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	188
PIH	2026	STP/NH/HPP-28(32)	186
PS&E	2026	STP/NH/HPP-28(32)	185

1850
1840

215+80.00

1860
1850
1840

215+50.00

CUT 0
FILL 87

OFFSET -27.35
EL. 1846.17
2:1
OFFSET -23.48
EL. 1848.10
-0.020
FG EL. 1849.57
EL. 1848.10
OFFSET 23.48
3:1
EL. 1847.00
OFFSET 25.69

1870
1860
1850
1840

PRES. R.O.W.
OFFSET -59.87
PRES. R.O.W.
OFFSET -35.48

OFFSET -16.99
EL. 1845.94
2:1
OFFSET -13.17
EL. 1847.87
-0.020
FG EL. 1849.13
EL. 1847.87
OFFSET 13.13
2:1
EL. 1844.36
3:1
EL. 1846.65
OFFSET 27.00

215+25.00

CUT 12
FILL 51

BEGIN STA. 215+25.00
END STA. 215+80.00

BYERS

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

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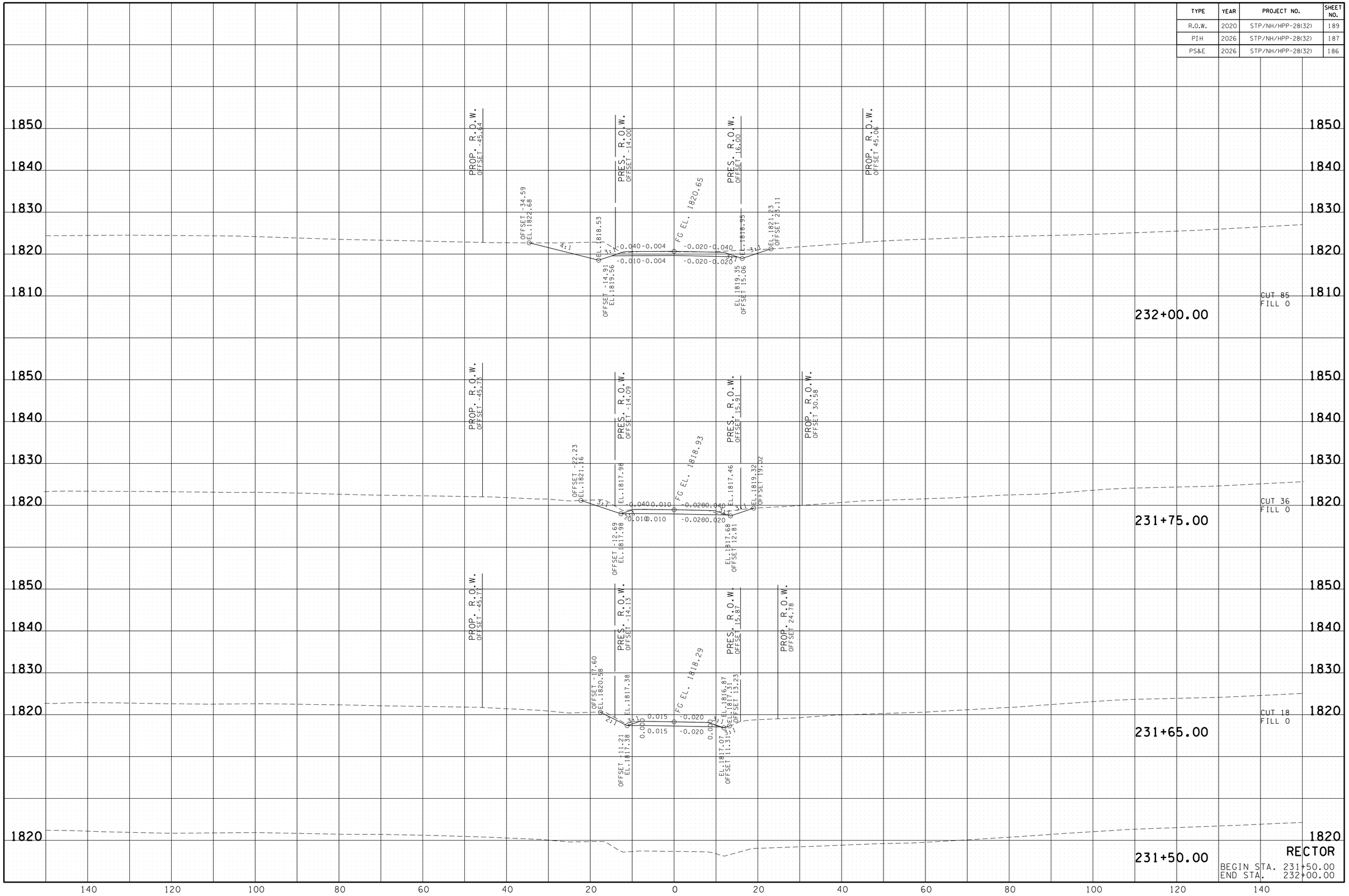
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	189
PIH	2026	STP/NH/HPP-28(32)	187
PS&E	2026	STP/NH/HPP-28(32)	186



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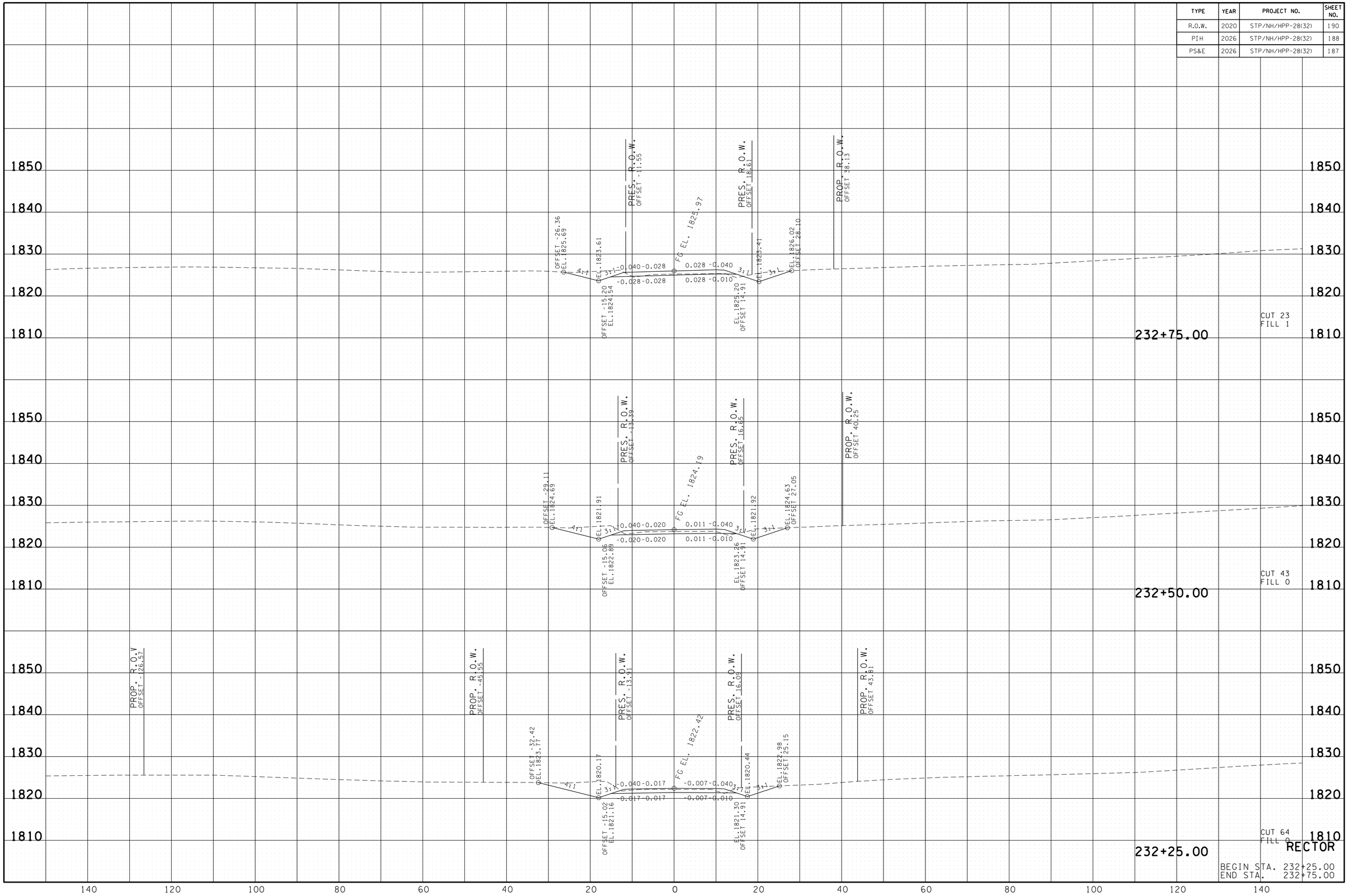
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	190
PIH	2026	STP/NH/HPP-28(32)	188
PS&E	2026	STP/NH/HPP-28(32)	187



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	191
PIH	2026	STP/NH/HPP-28(32)	189
PS&E	2026	STP/NH/HPP-28(32)	188

233+50.00

233+25.00

CUT 39
FILL 1

PRES. R.O.W.
OFFSET -3.69

PRES. R.O.W.
OFFSET 27.01

FG EL. 1828.74

OFFSET -45.23
EL. 1827.73

OFFSET -34.29
EL. 1826.78

EL. 1825.76

-0.040 -0.028 0.028 -0.040
-0.028 -0.028 0.028 -0.010

EL. 1828.13
OFFSET 26.29

EL. 1826.96

EL. 1827.99
OFFSET 33.98

233+00.00

CUT 14
FILL 3

PRES. R.O.W.
OFFSET 8.33

PRES. R.O.W.
OFFSET 22.05

FG EL. 1827.70

OFFSET -25.30
EL. 1826.66

OFFSET -16.96
EL. 1826.22

EL. 1825.28

-0.040 -0.028 0.028 -0.040
-0.028 -0.028 0.028 -0.010

EL. 1826.93
OFFSET 14.93

EL. 1824.89

EL. 1826.83
OFFSET 26.83

RECTOR

BEGIN STA. 233+00.00
END STA. 233+50.00

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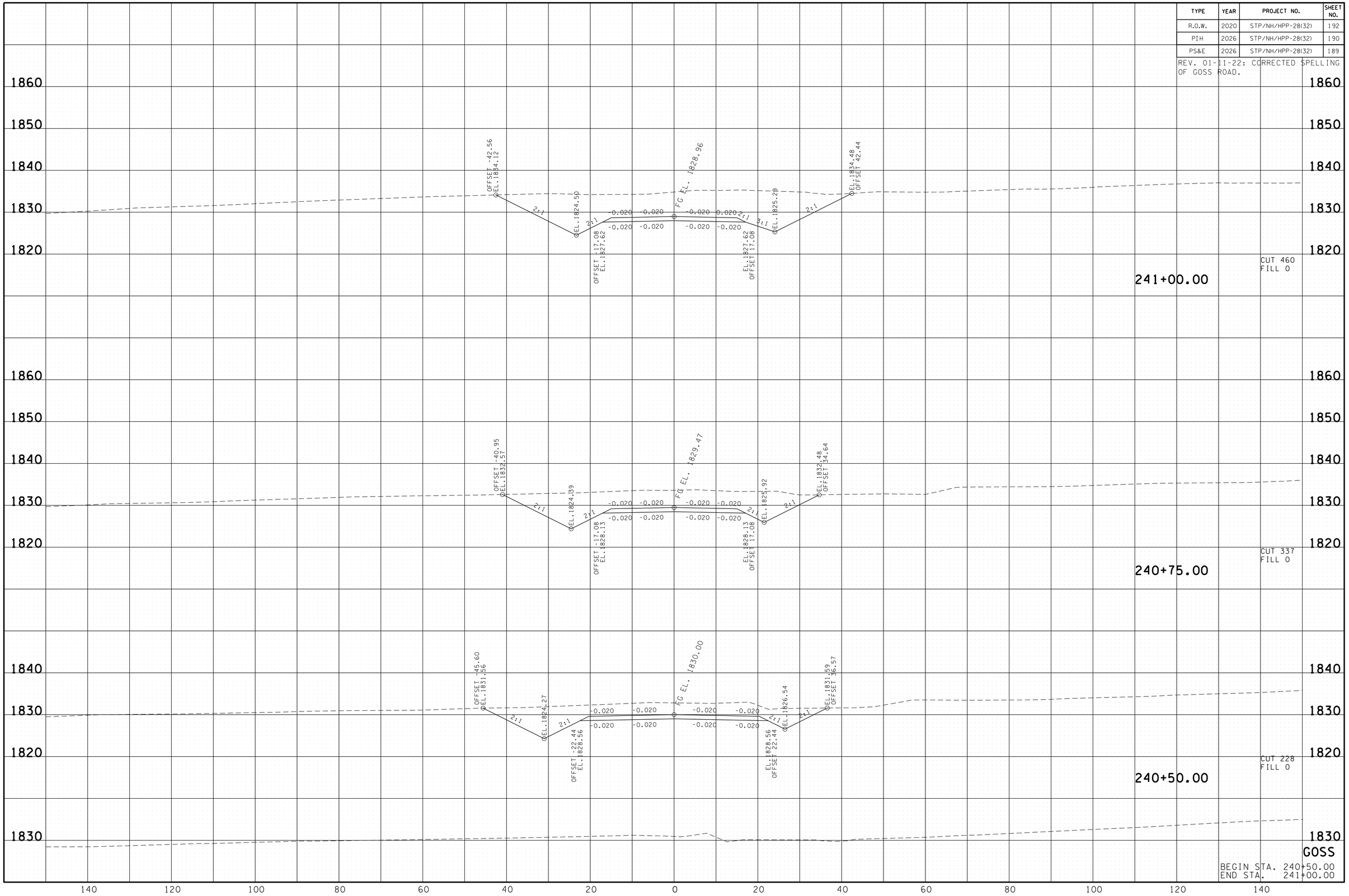
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	192
PIH	2026	STP/NH/HPP-28(32)	190
PS&E	2026	STP/NH/HPP-28(32)	189

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.



GOSS

BEGIN STA. 240+50.00
END STA. 241+00.00

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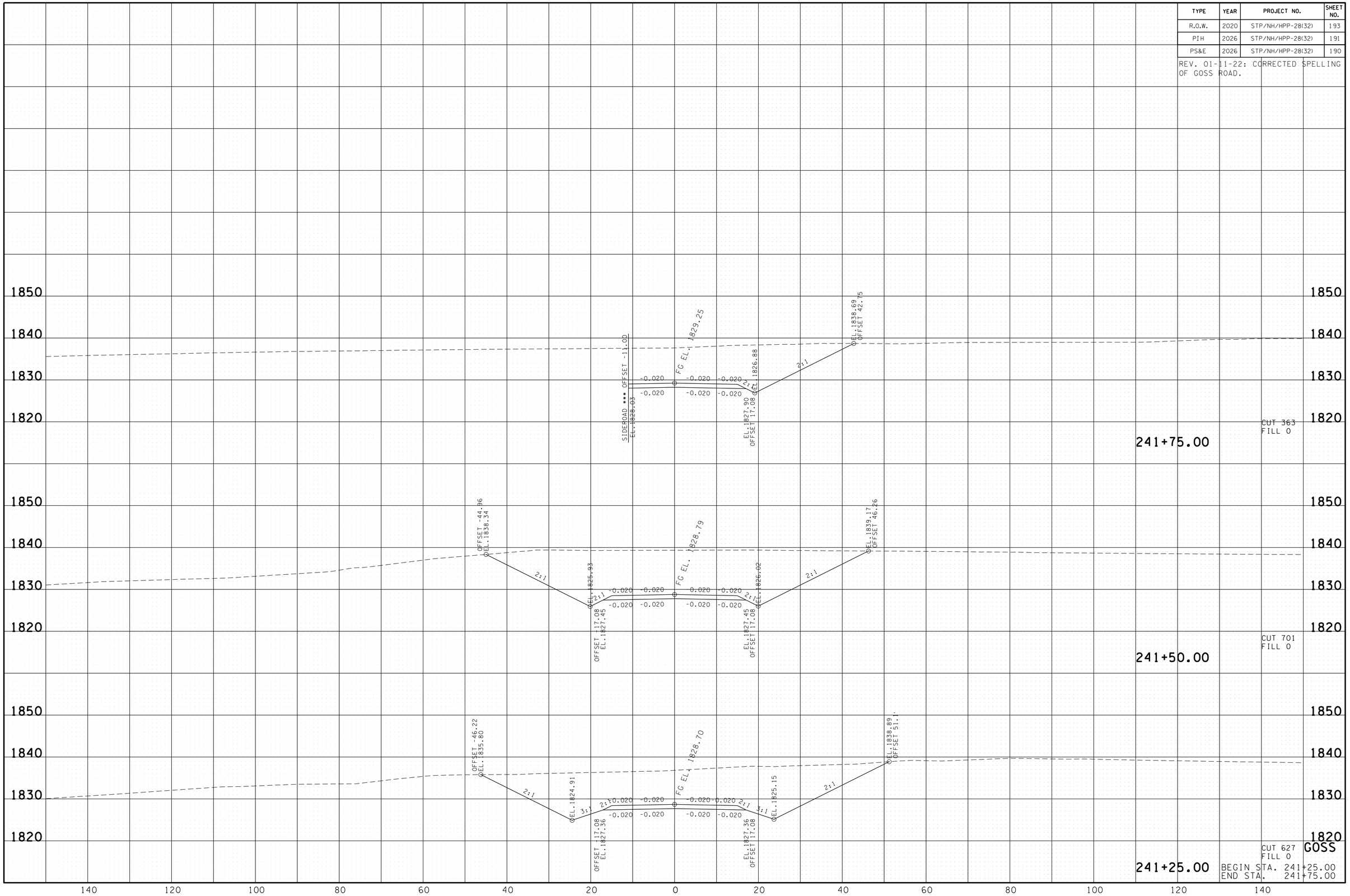
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	193
PIH	2026	STP/NH/HPP-28(32)	191
PS&E	2026	STP/NH/HPP-28(32)	190

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.



5/18/2026
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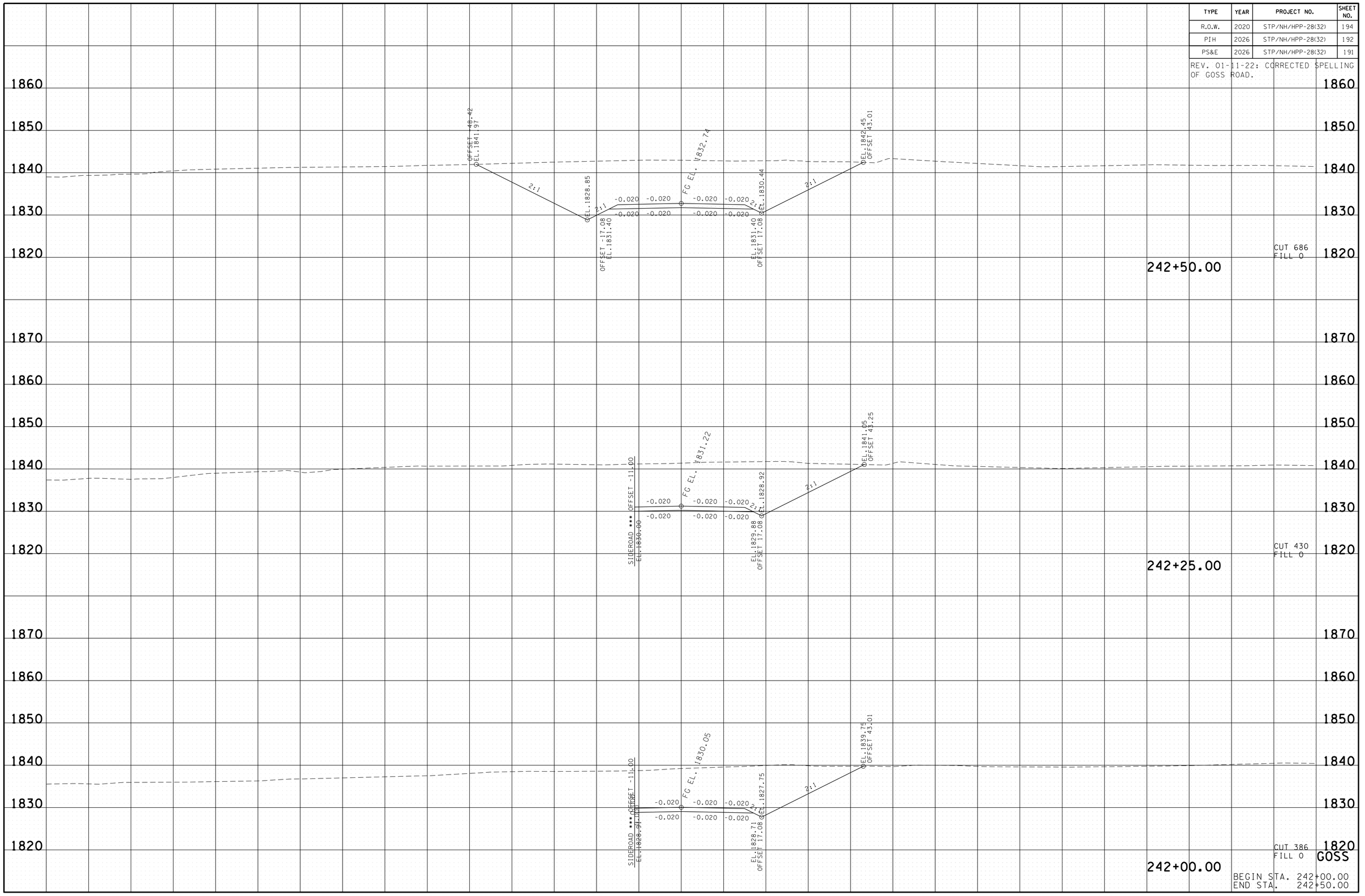
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	194
PIH	2026	STP/NH/HPP-28(32)	192
PS&E	2026	STP/NH/HPP-28(32)	191

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.



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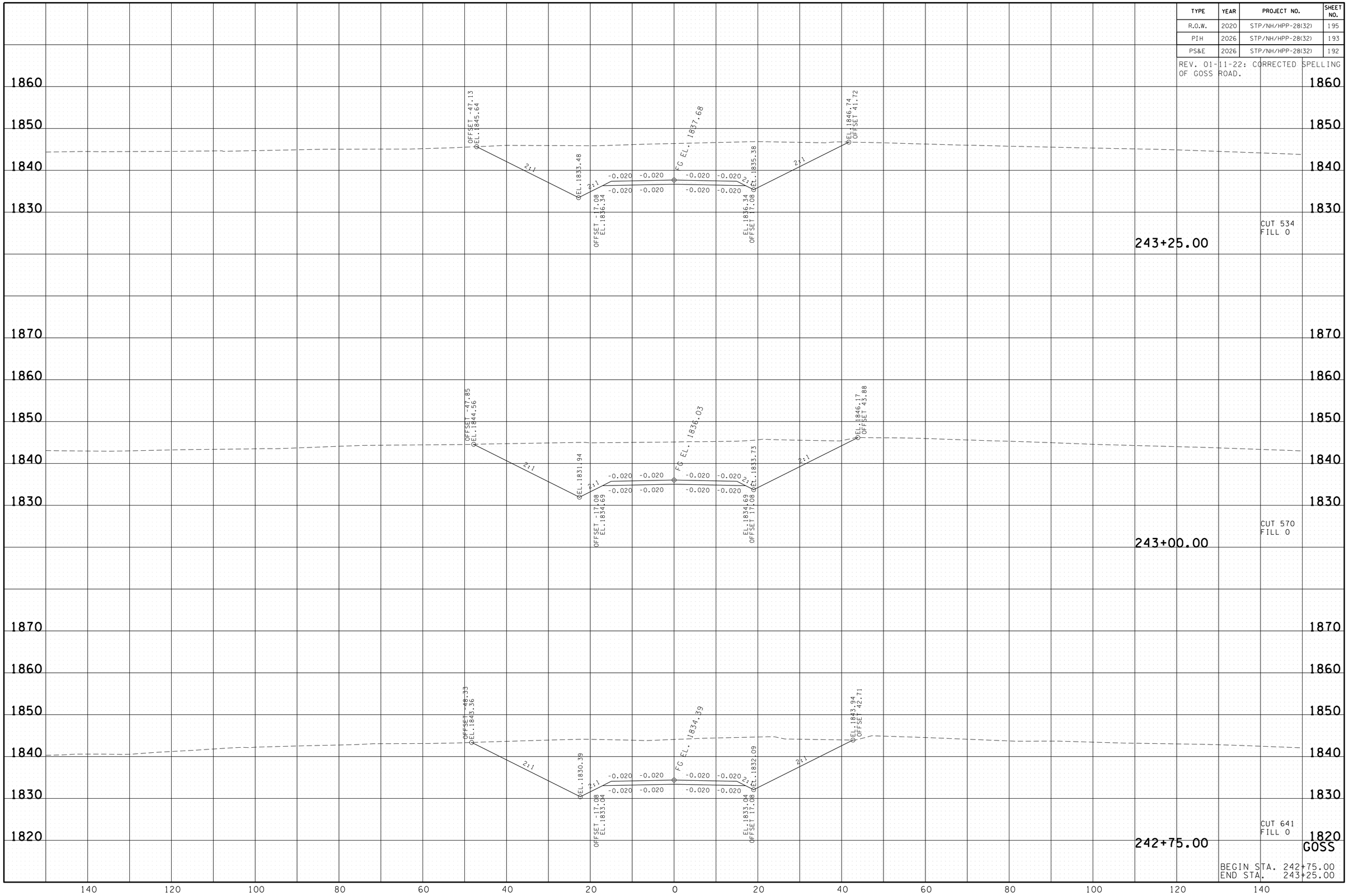
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	195
PIH	2026	STP/NH/HPP-28(32)	193
PS&E	2026	STP/NH/HPP-28(32)	192

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.



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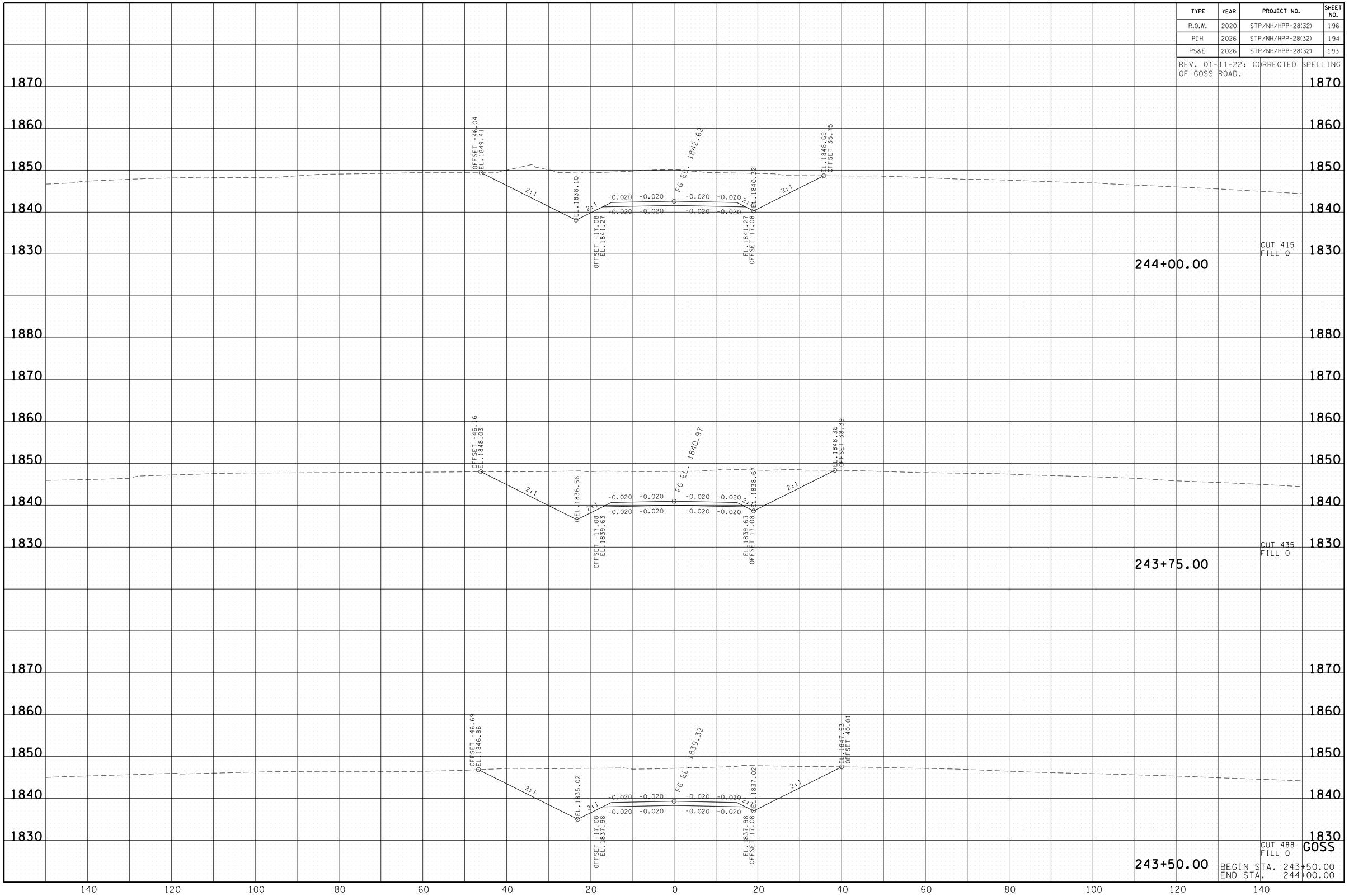
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	196
PIH	2026	STP/NH/HPP-28(32)	194
PS&E	2026	STP/NH/HPP-28(32)	193

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.



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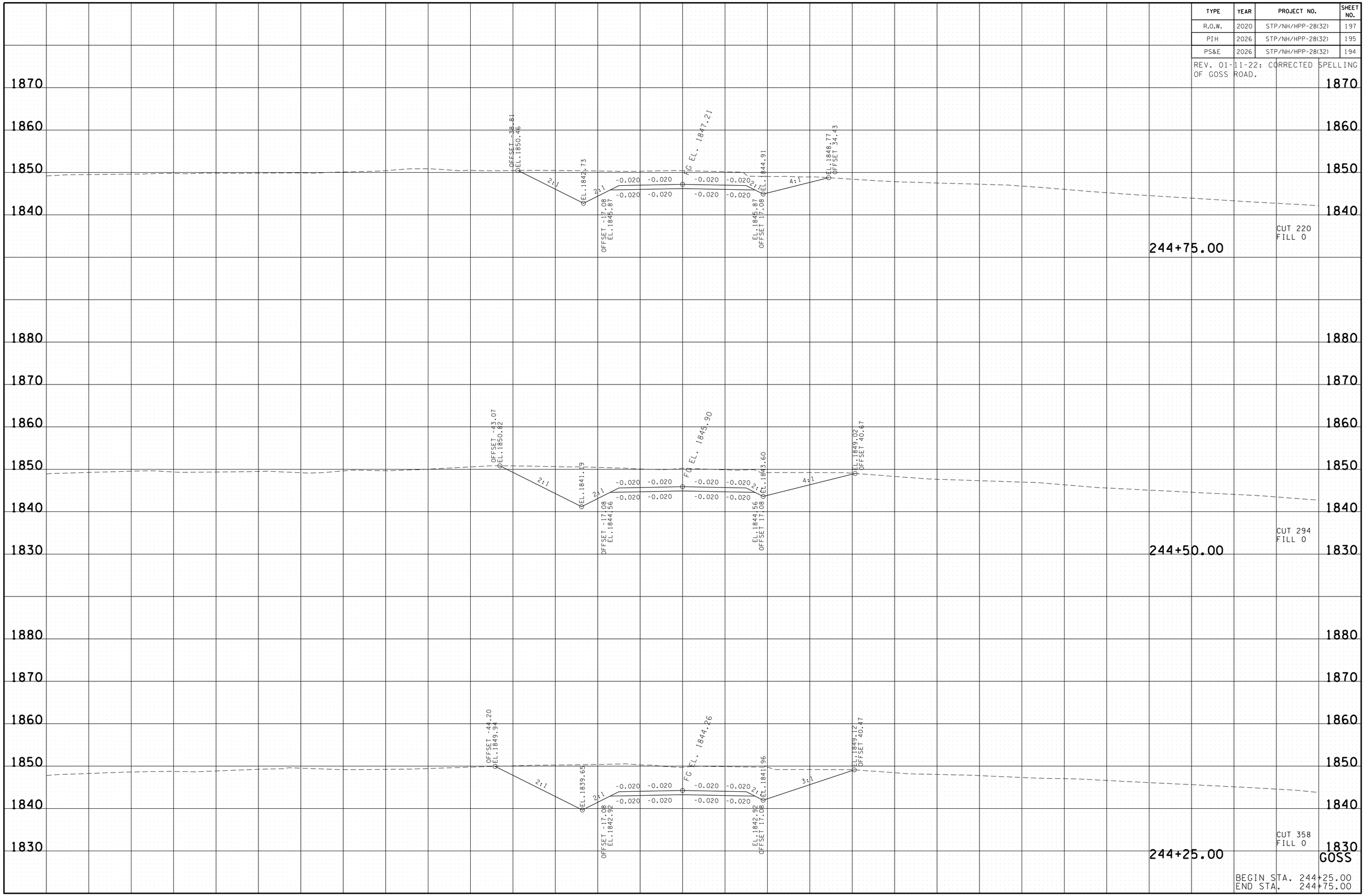
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	197
PIH	2026	STP/NH/HPP-28(32)	195
PS&E	2026	STP/NH/HPP-28(32)	194

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.



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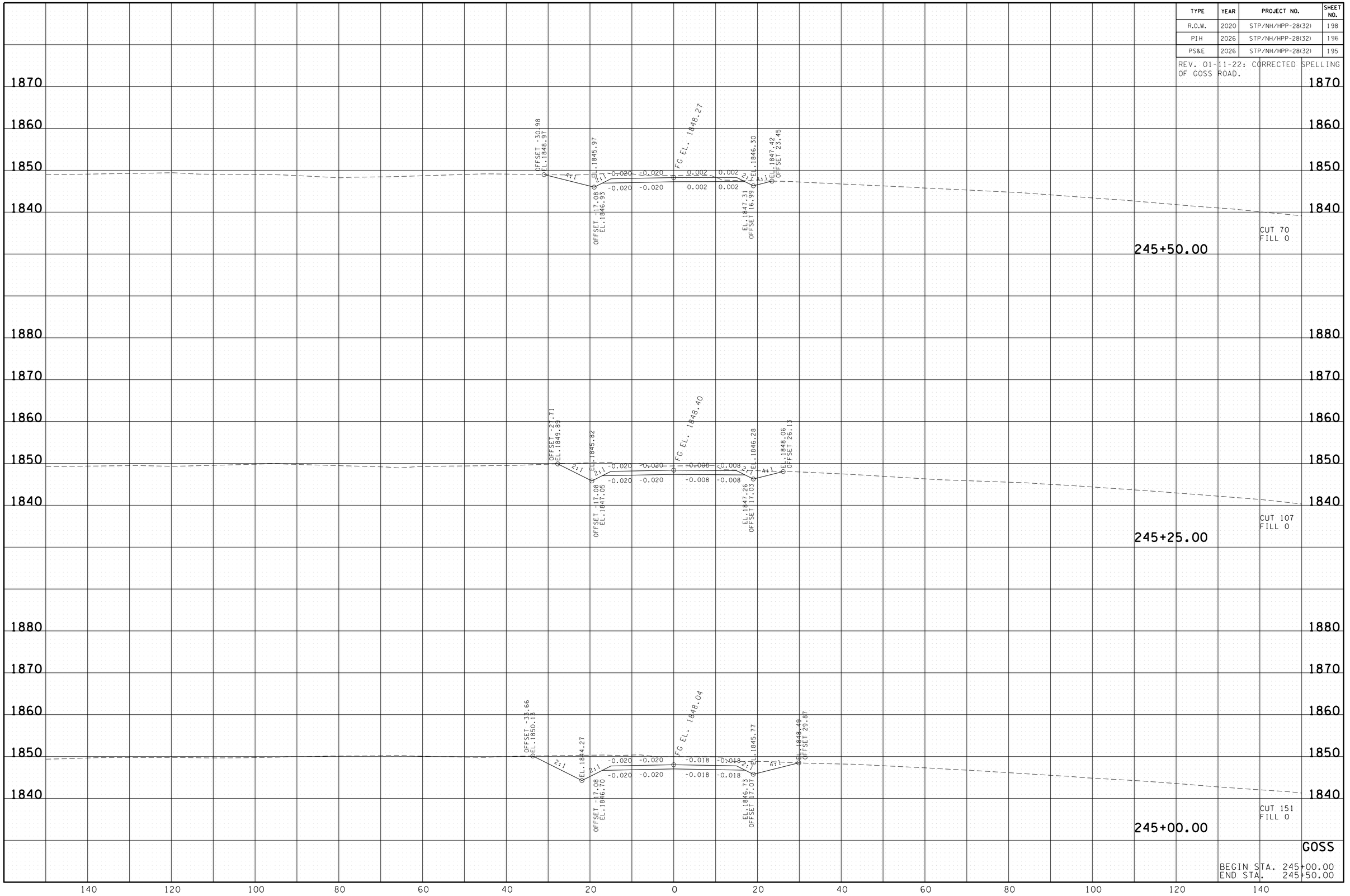
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	198
PIH	2026	STP/NH/HPP-28(32)	196
PS&E	2026	STP/NH/HPP-28(32)	195

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.



GOSS

BEGIN STA. 245+00.00
END STA. 245+50.00

5/18/2026
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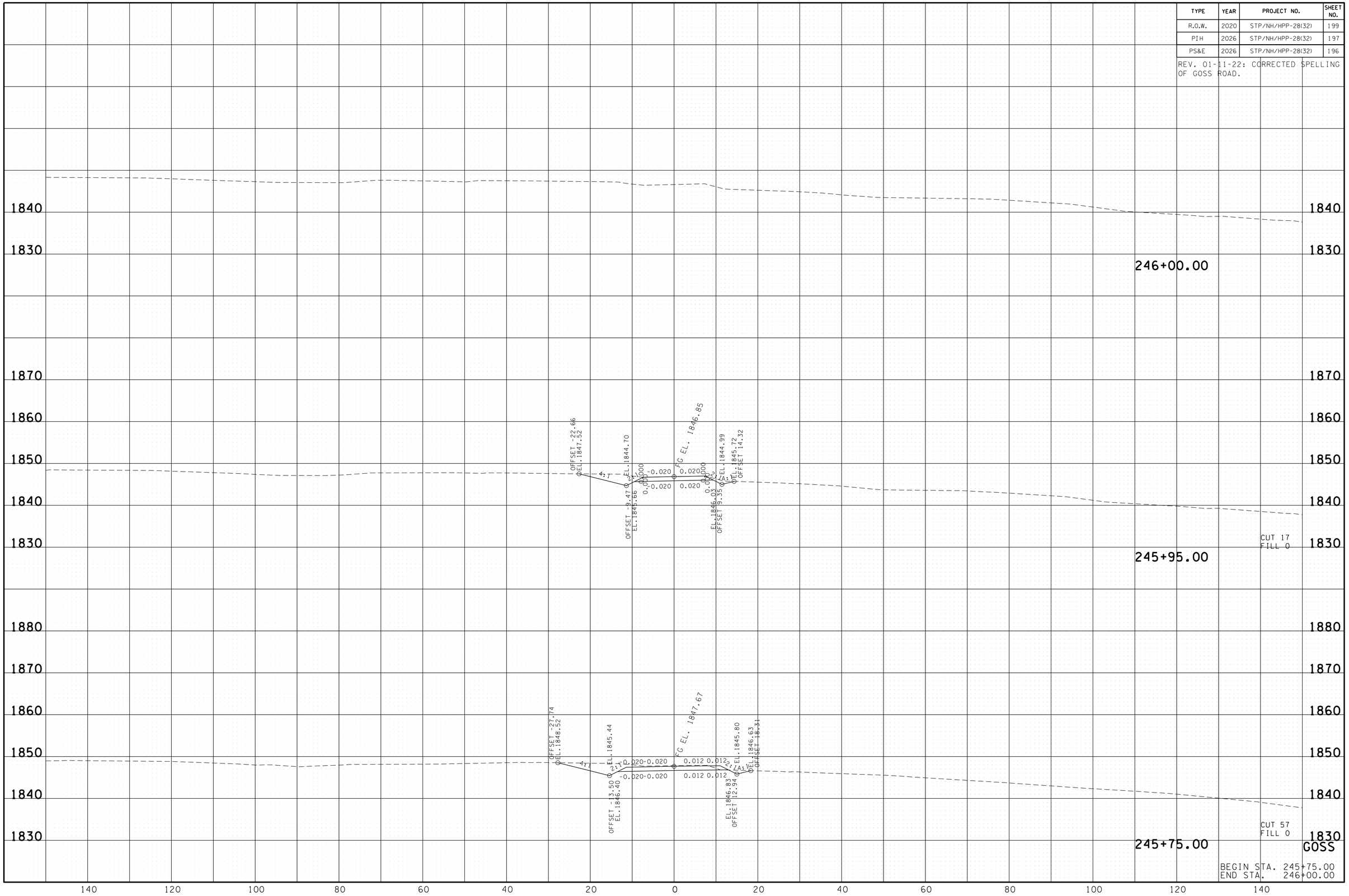
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	199
PIH	2026	STP/NH/HPP-28(32)	197
PS&E	2026	STP/NH/HPP-28(32)	196

REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.



BEGIN STA. 245+75.00
END STA. 246+00.00

GOSS

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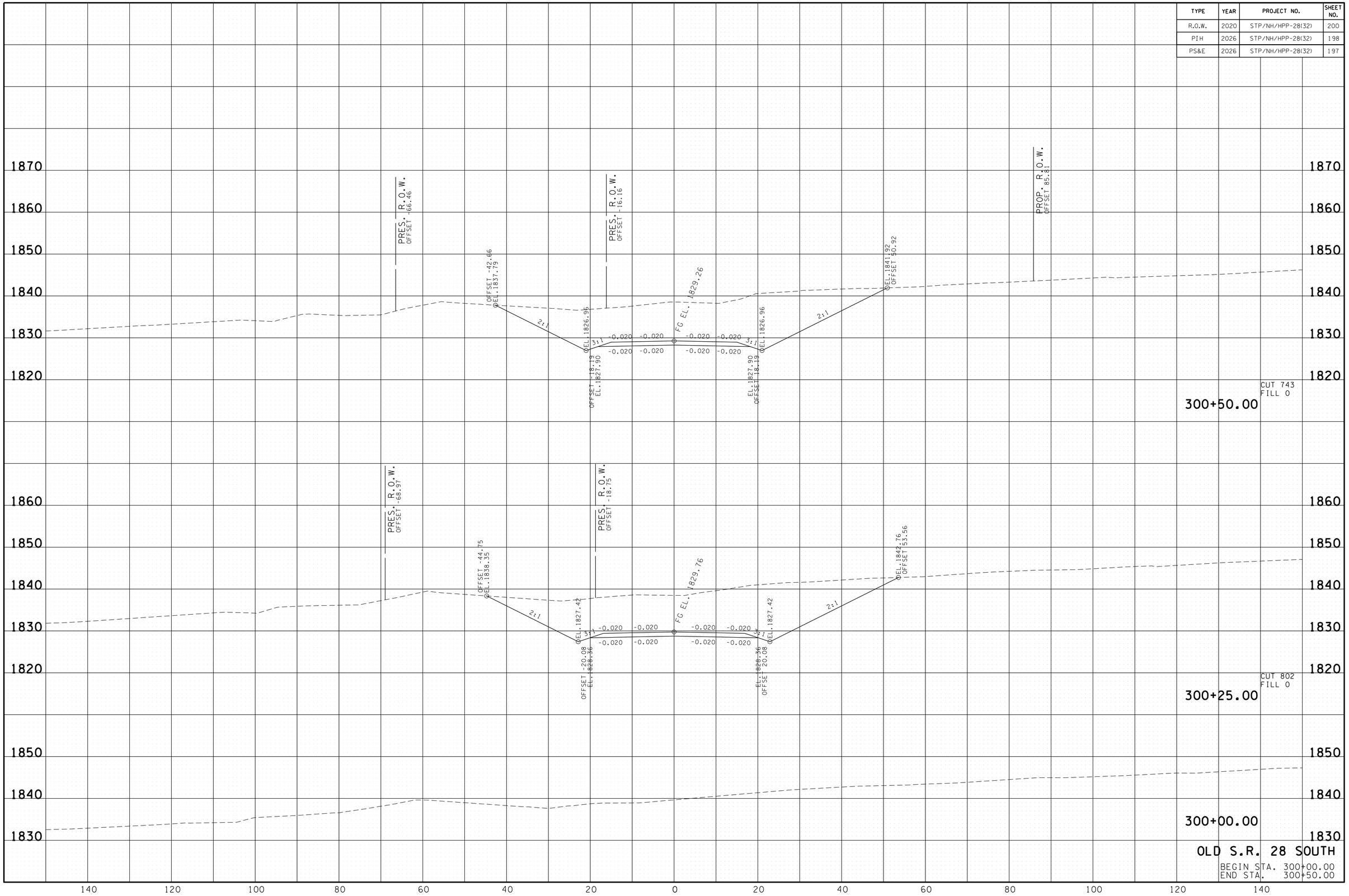
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	200
PIH	2026	STP/NH/HPP-28(32)	198
PS&E	2026	STP/NH/HPP-28(32)	197



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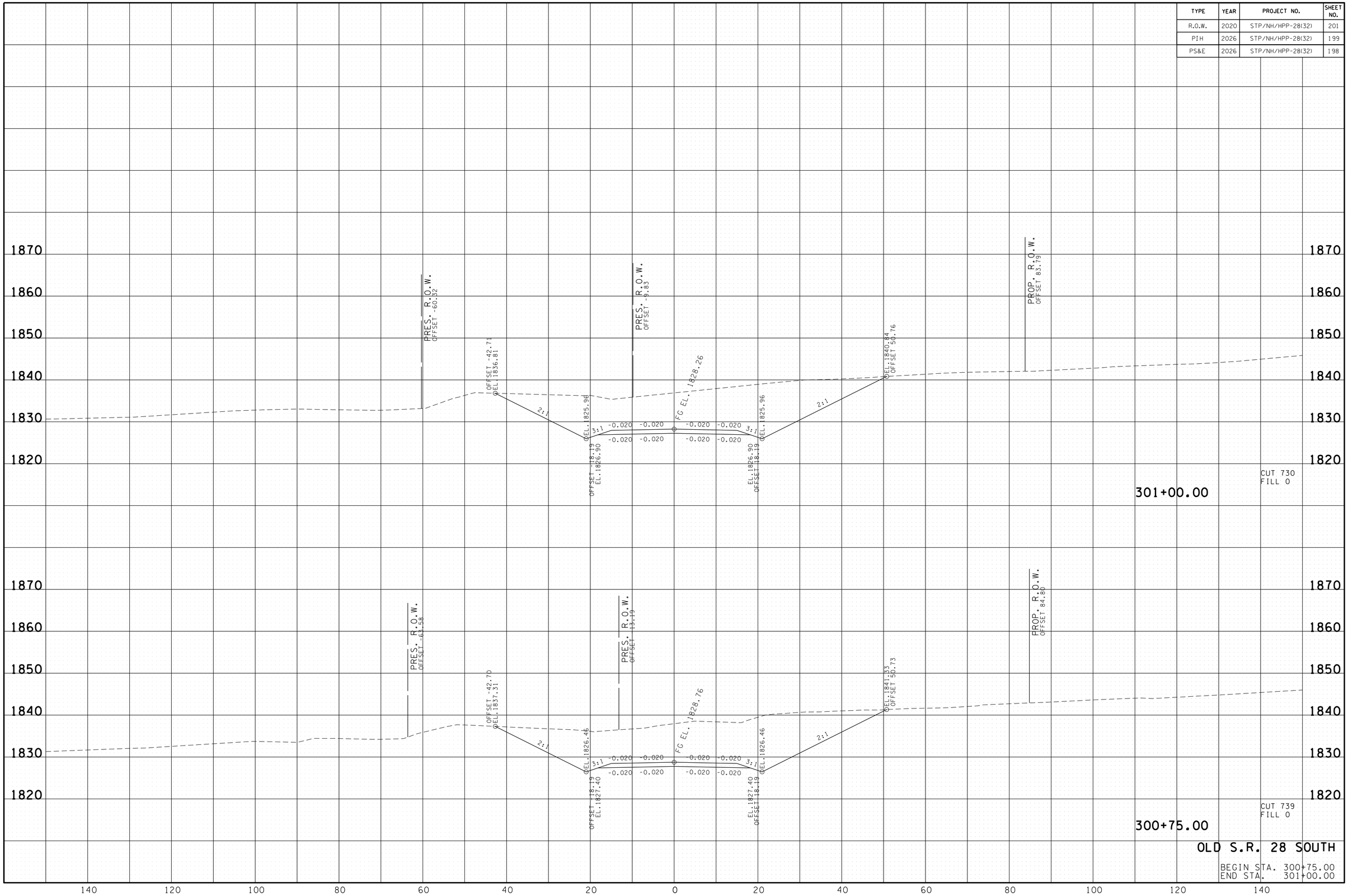
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	201
PIH	2026	STP/NH/HPP-28(32)	199
PS&E	2026	STP/NH/HPP-28(32)	198



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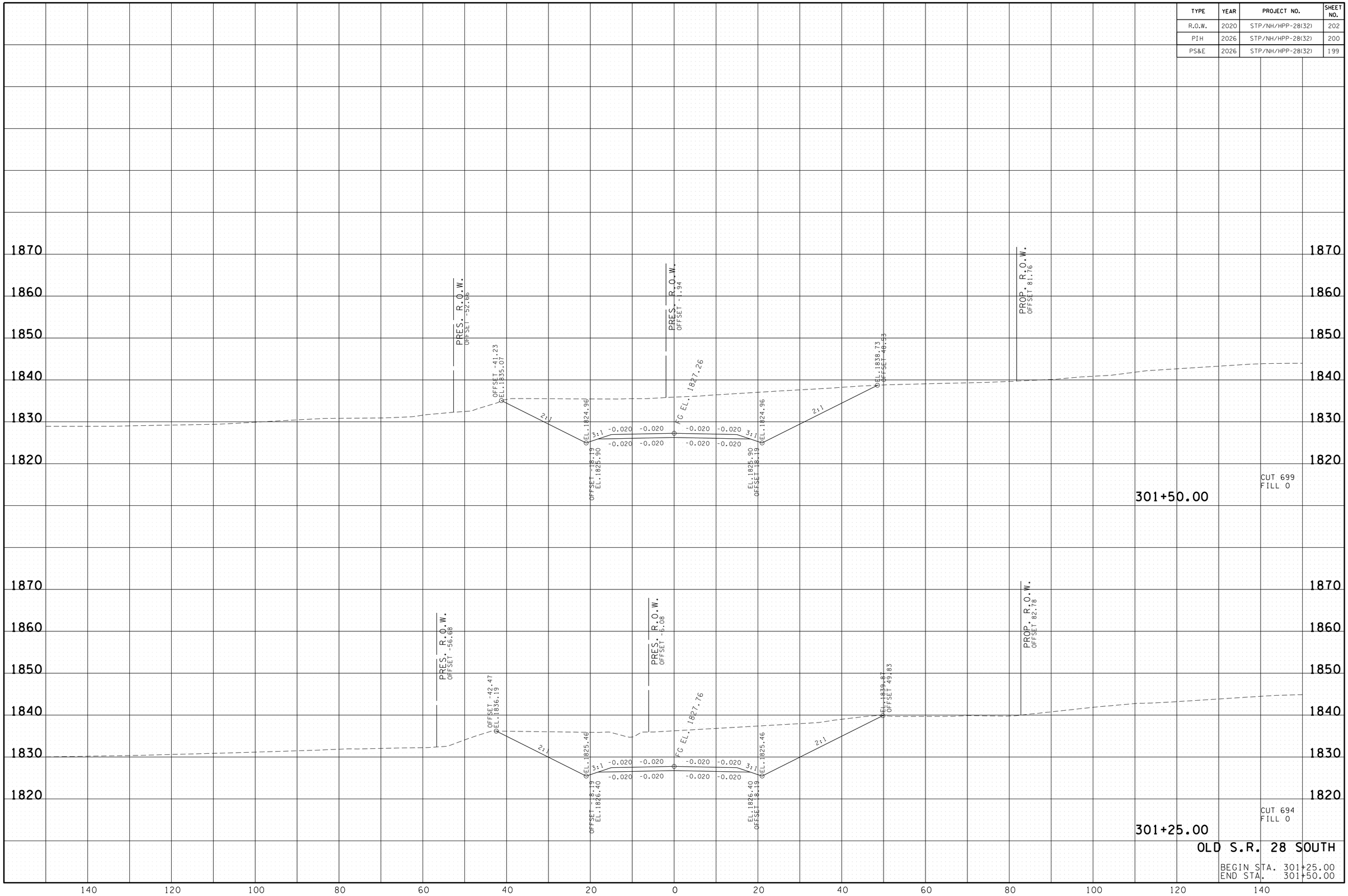
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	202
PIH	2026	STP/NH/HPP-28(32)	200
PS&E	2026	STP/NH/HPP-28(32)	199



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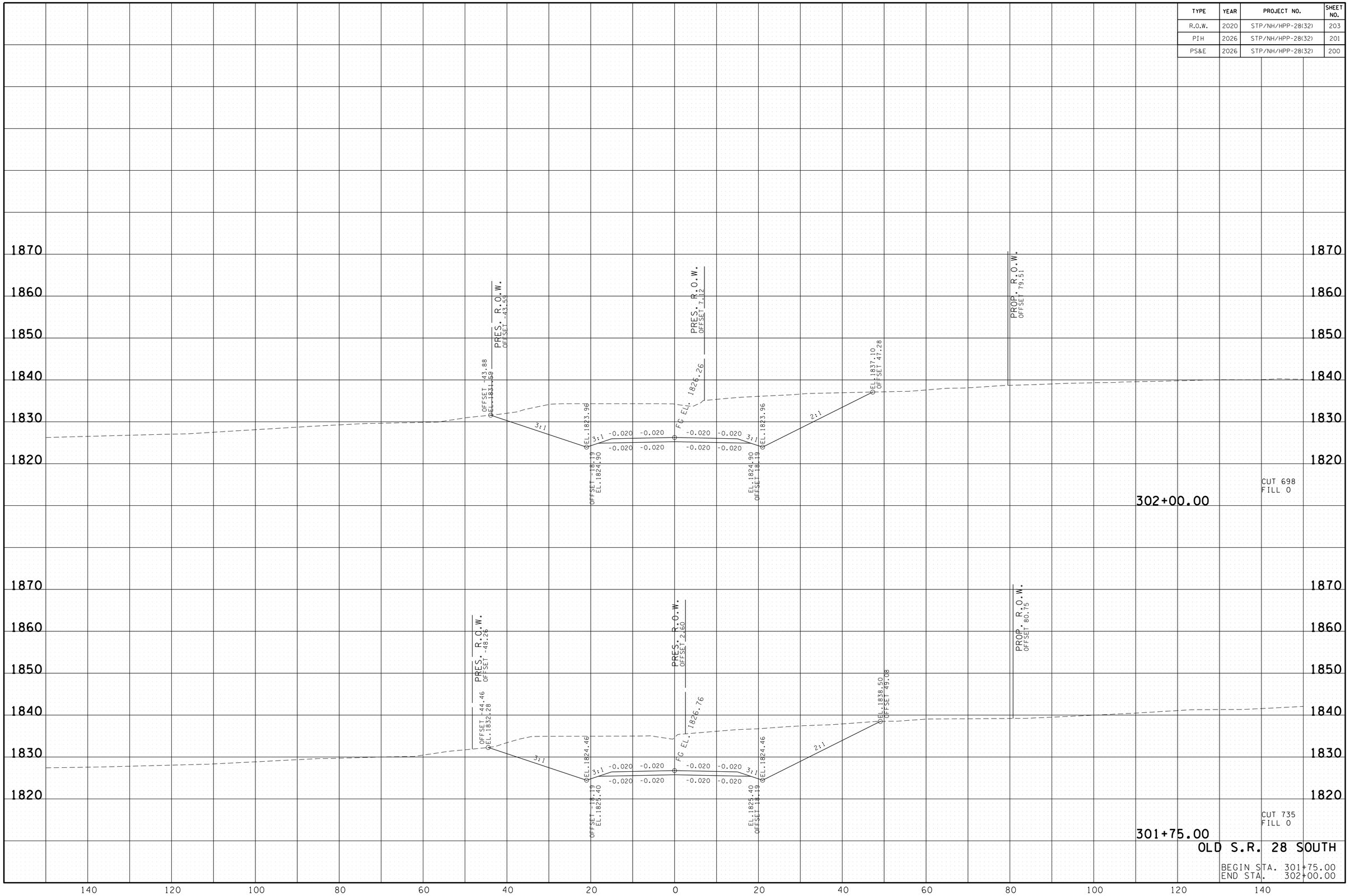
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	203
PIH	2026	STP/NH/HPP-28(32)	201
PS&E	2026	STP/NH/HPP-28(32)	200



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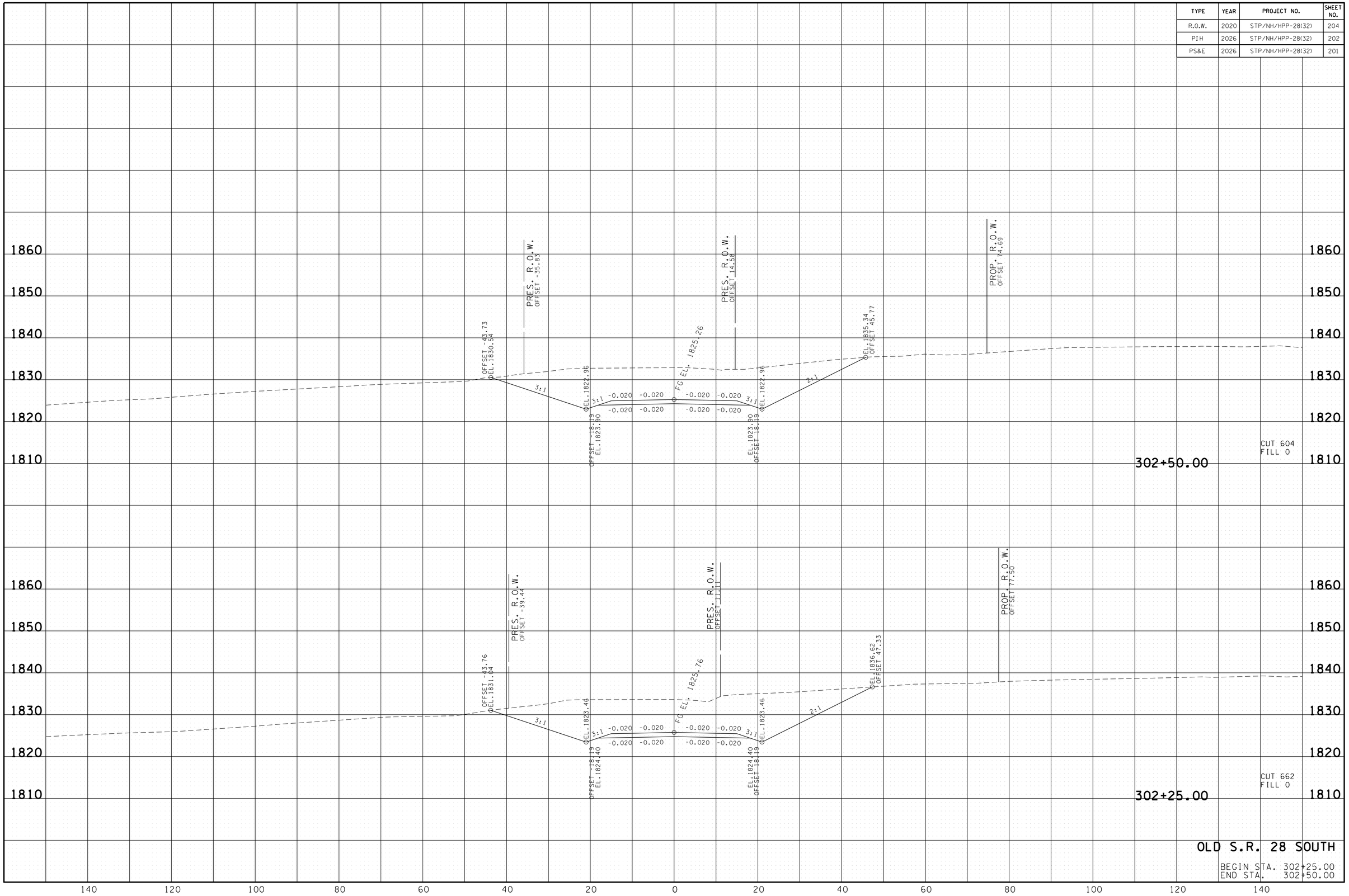
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	204
PIH	2026	STP/NH/HPP-28(32)	202
PS&E	2026	STP/NH/HPP-28(32)	201



OLD S.R. 28 SOUTH

BEGIN STA. 302+25.00
END STA. 302+50.00

5/18/2026
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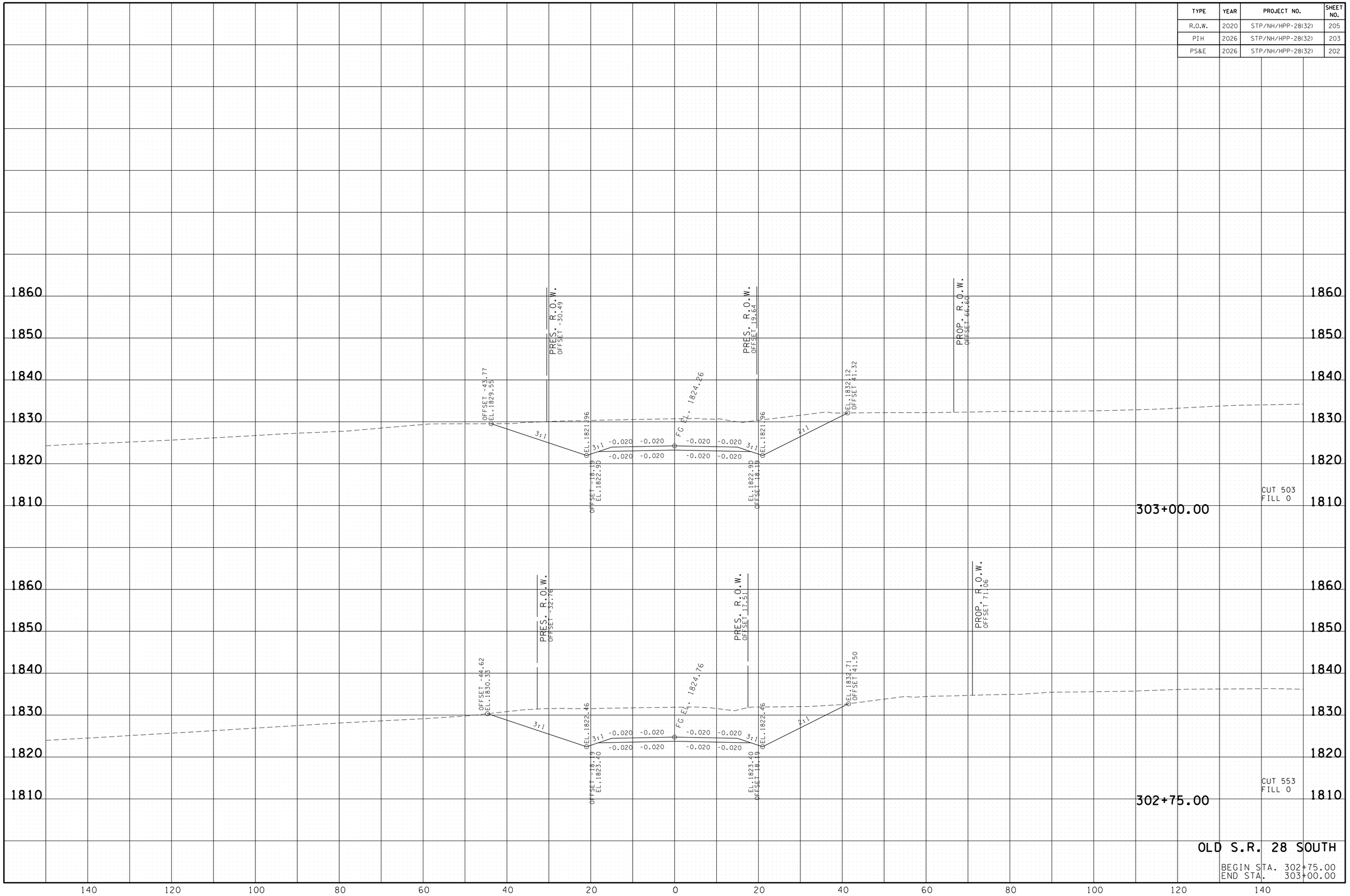
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	205
PIH	2026	STP/NH/HPP-28(32)	203
PS&E	2026	STP/NH/HPP-28(32)	202



OLD S.R. 28 SOUTH

BEGIN STA. 302+75.00
END STA. 303+00.00

5/8/2026
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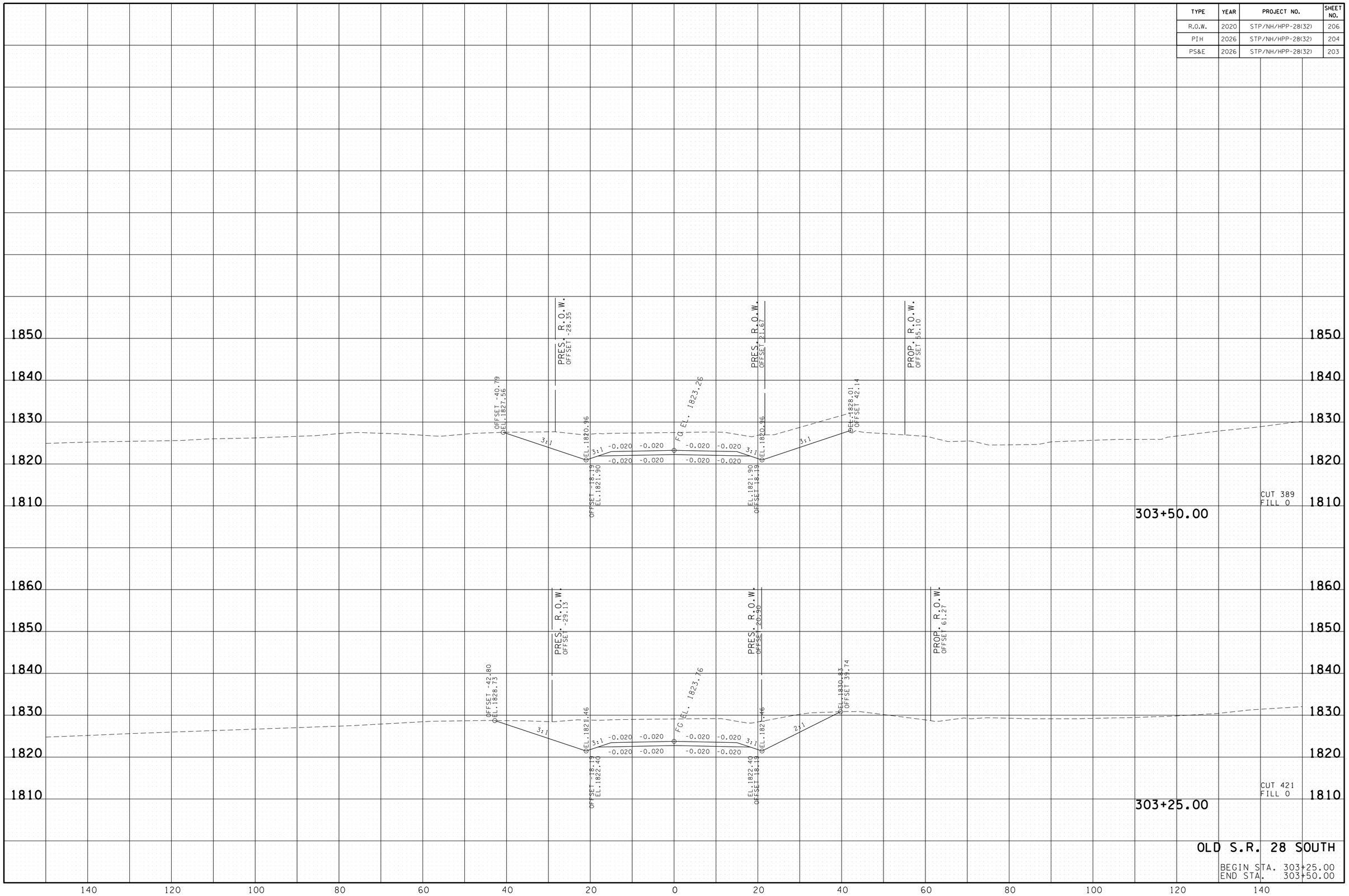
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	206
PIH	2026	STP/NH/HPP-28(32)	204
PS&E	2026	STP/NH/HPP-28(32)	203



OLD S.R. 28 SOUTH

BEGIN STA. 303+25.00
END STA. 303+50.00

5/8/2026
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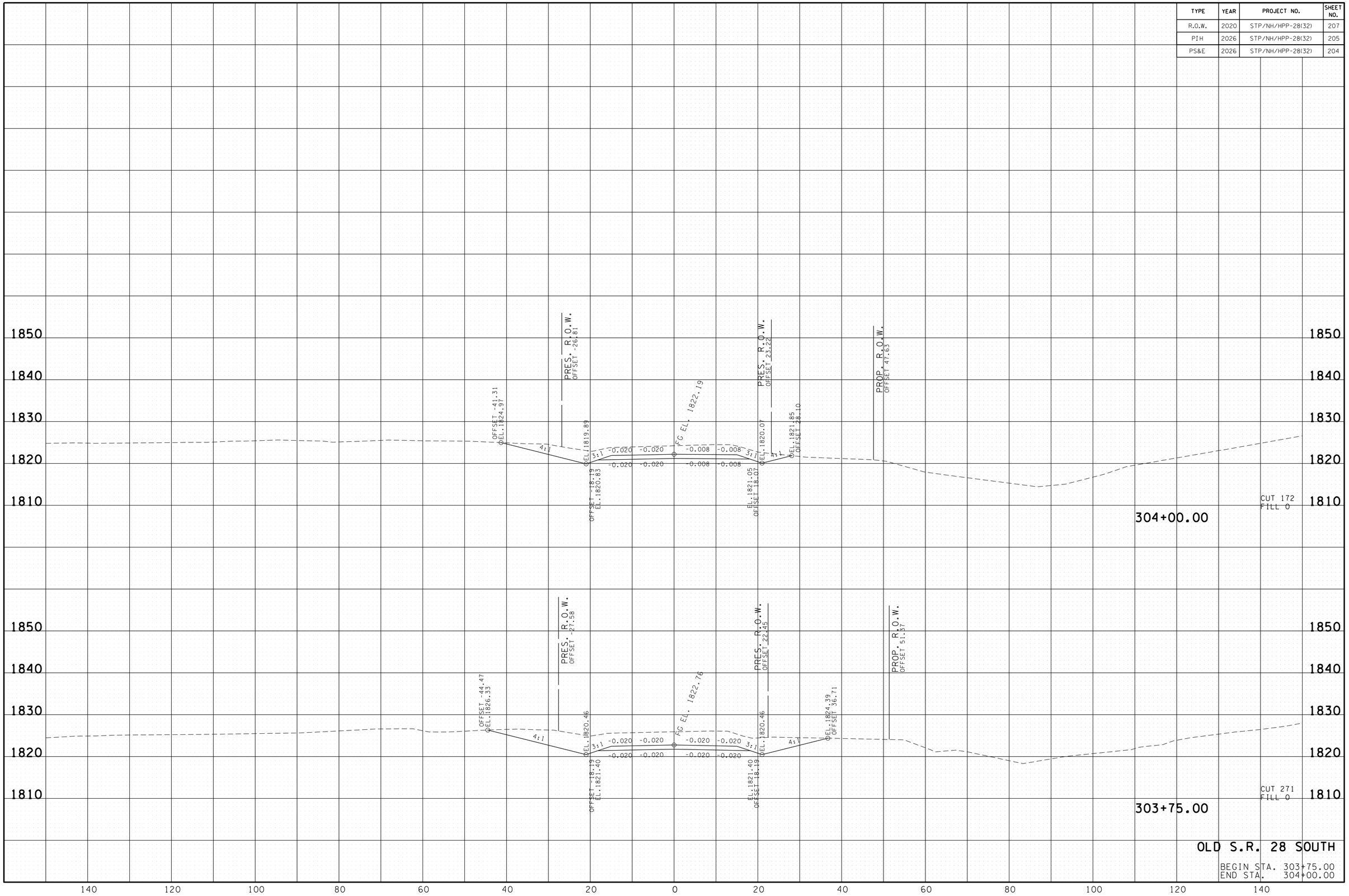
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	207
PIH	2026	STP/NH/HPP-28(32)	205
PS&E	2026	STP/NH/HPP-28(32)	204



OLD S.R. 28 SOUTH

BEGIN STA. 303+75.00
END STA. 304+00.00

5/18/2026
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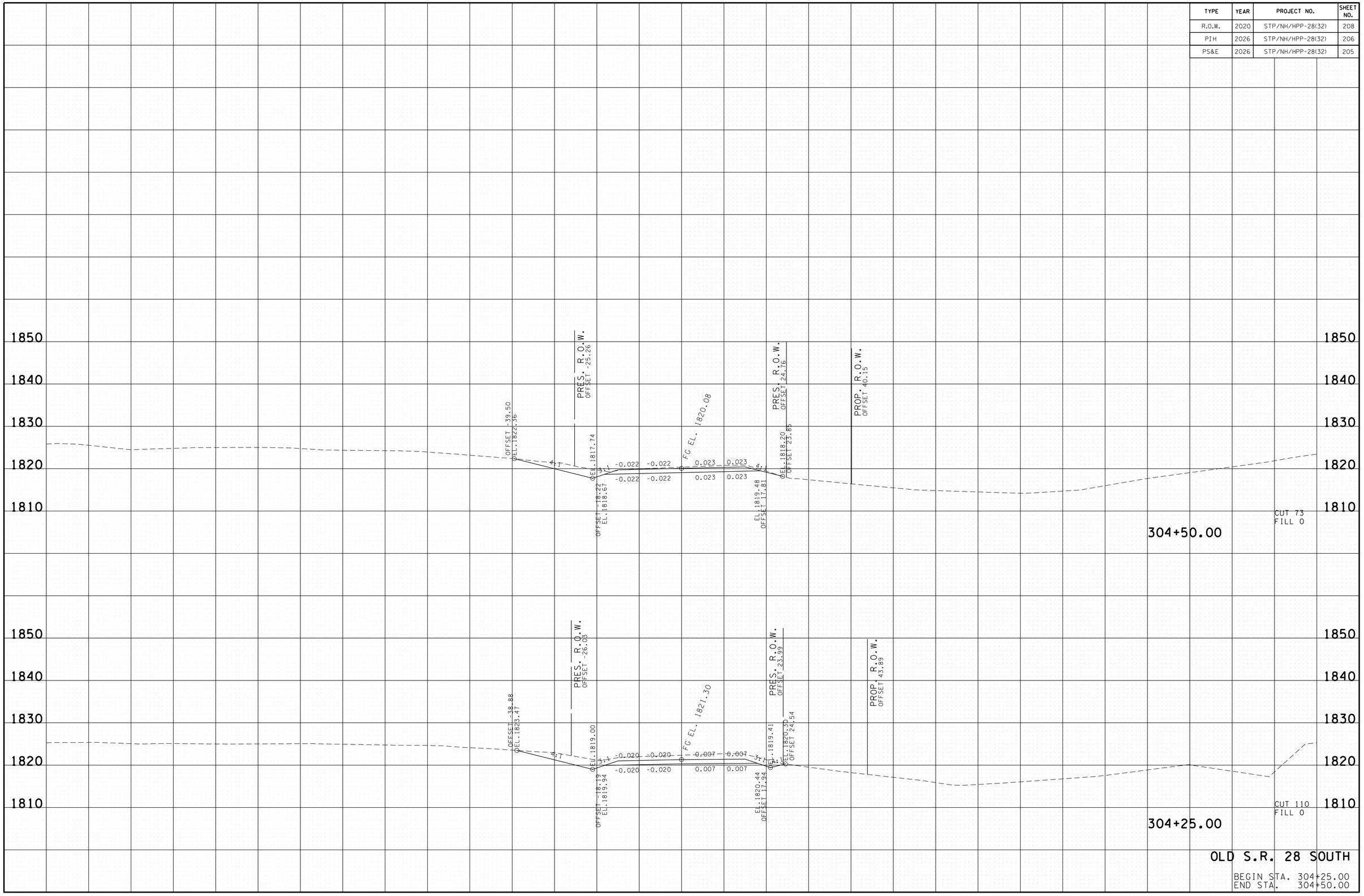
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	208
PIH	2026	STP/NH/HPP-28(32)	206
PS&E	2026	STP/NH/HPP-28(32)	205



OLD S.R. 28 SOUTH

BEGIN STA. 304+25.00
END STA. 304+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	209
PIH	2026	STP/NH/HPP-28(32)	207
PS&E	2026	STP/NH/HPP-28(32)	206

1830
1820
1840
1830
1820
1810
1800
1850
1840
1830
1820
1810

PRES. R.O.W.
OFFSET -23.72

PRES. R.O.W.
OFFSET 26.29

PROP. R.O.W.
OFFSET 32.68

FG EL. 1816.64

3:1 -0.053 -0.053 0.053 0.053 4:1
-0.053 -0.053 0.053 0.053

OFFSET -18.57
EL.1814.65

EL.1816.57
OFFSET 17.59

305+25.00

CUT 75
FILL 0

305+00.00

PRES. R.O.W.
OFFSET -24.49

PRES. R.O.W.
OFFSET 25.53

PROP. R.O.W.
OFFSET 36.42

OFFSET -37.93
EL.1821.59

FG EL. 1818.51

3:1 -0.038 -0.038 0.038 0.038 4:1
-0.038 -0.038 0.038 0.038

EL. 1815.94

OFFSET -18.38
EL.1816.82

EL.1817.59
OFFSET 20.93

EL.1818.18
OFFSET 17.69

CUT 69
FILL 0

304+75.00

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

OLD S.R. 28 SOUTH

BEGIN STA. 304+75.00
END STA. 305+25.00

5/18/2026
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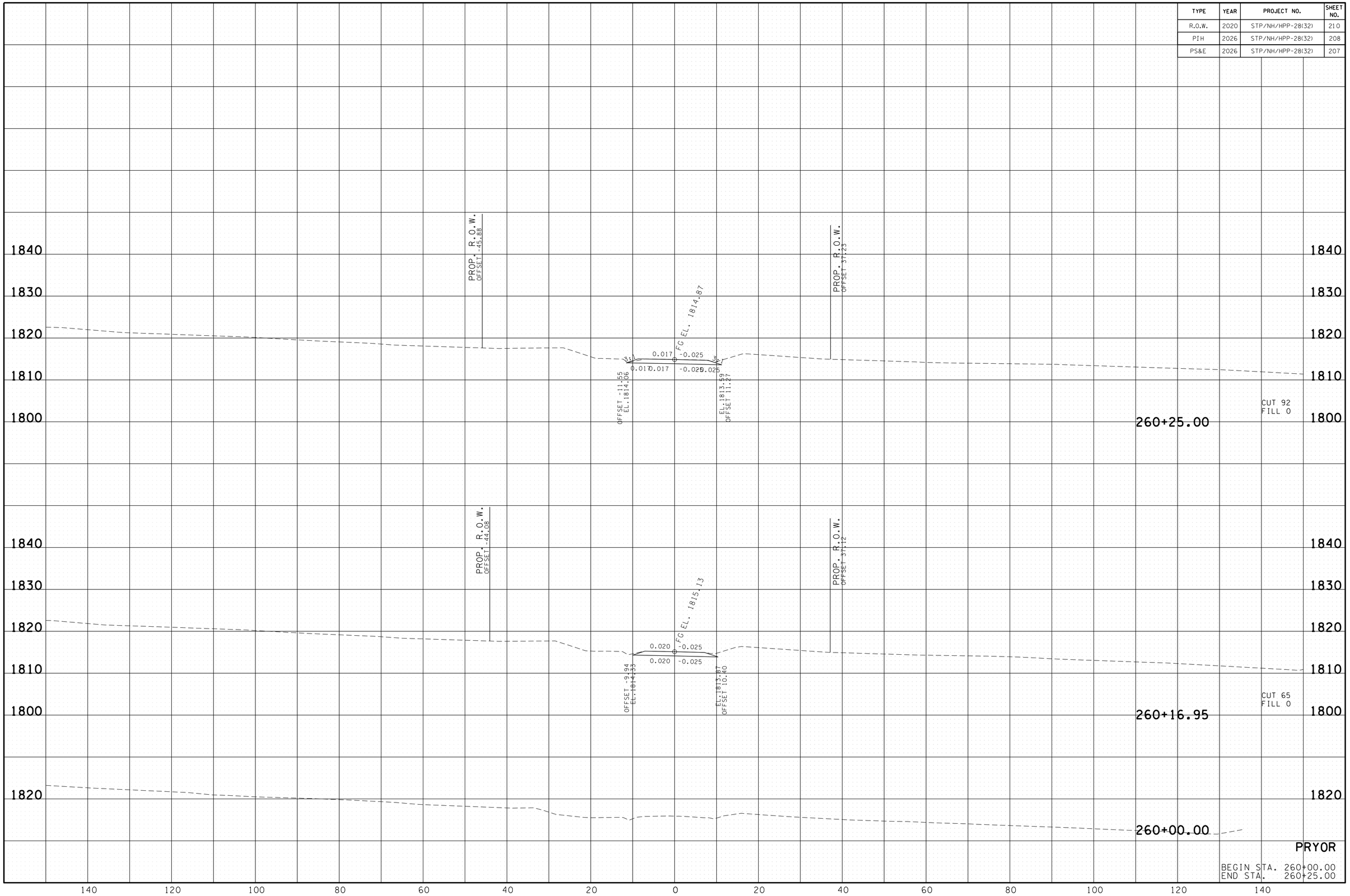
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	210
PIH	2026	STP/NH/HPP-28(32)	208
PS&E	2026	STP/NH/HPP-28(32)	207



PRYOR

BEGIN STA. 260+00.00
END STA. 260+25.00

5/18/2026
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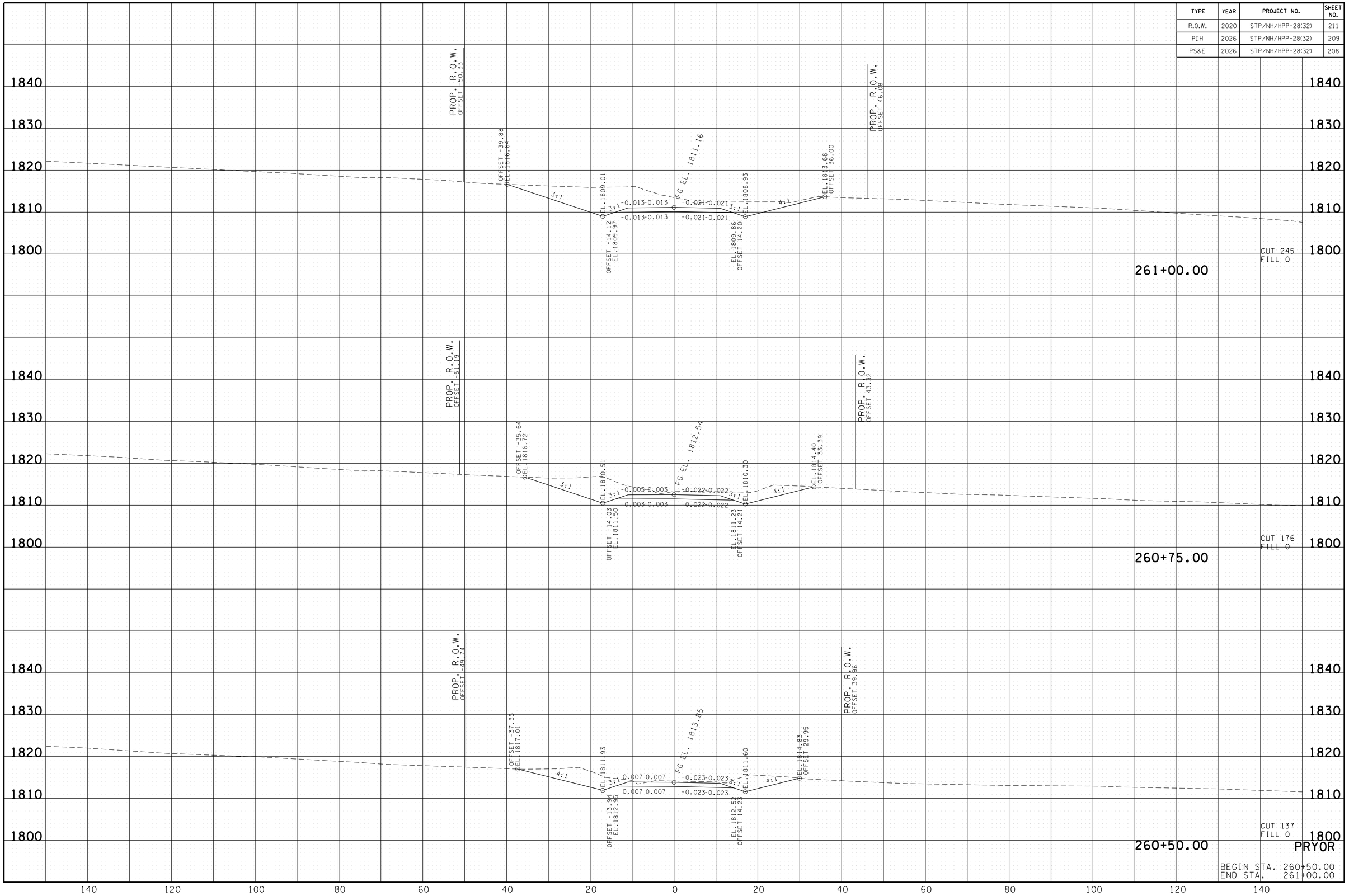
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	211
PIH	2026	STP/NH/HPP-28(32)	209
PS&E	2026	STP/NH/HPP-28(32)	208



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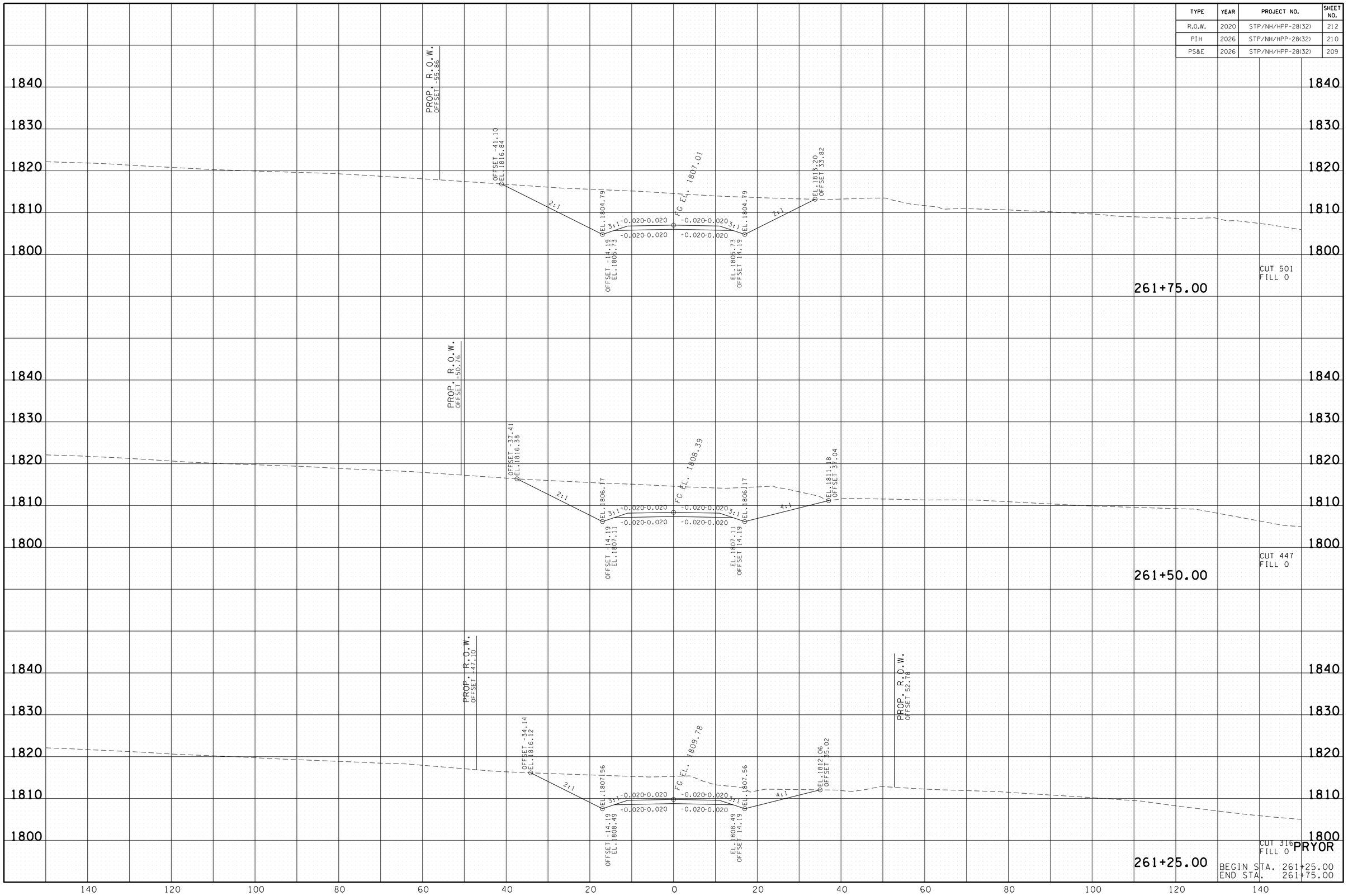
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	212
PIH	2026	STP/NH/HPP-28(32)	210
PS&E	2026	STP/NH/HPP-28(32)	209



PRYOR

BEGIN STA. 261+25.00
END STA. 261+75.00

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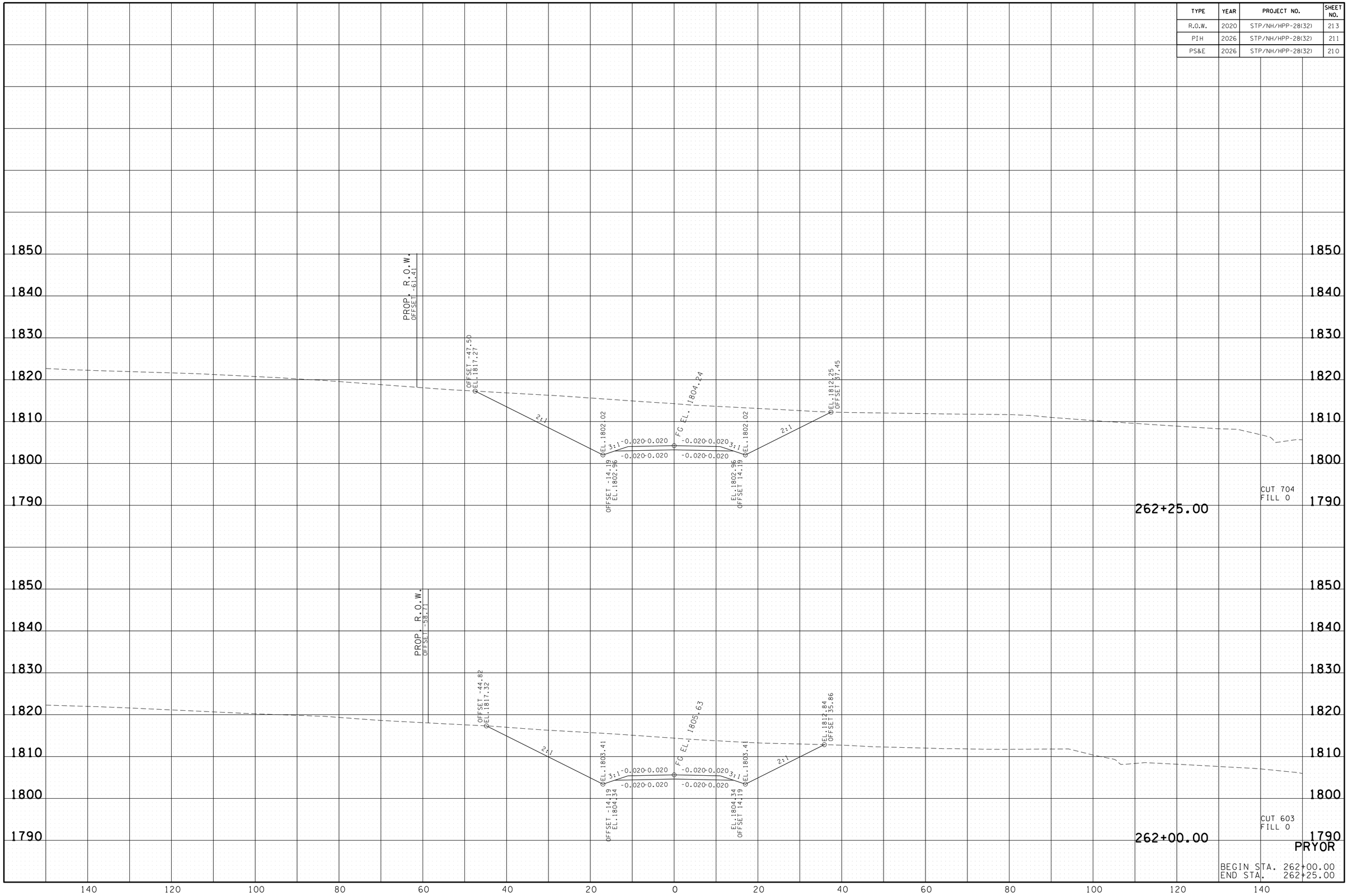
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	213
PIH	2026	STP/NH/HPP-28(32)	211
PS&E	2026	STP/NH/HPP-28(32)	210



PRYOR

BEGIN STA. 262+00.00
END STA. 262+25.00

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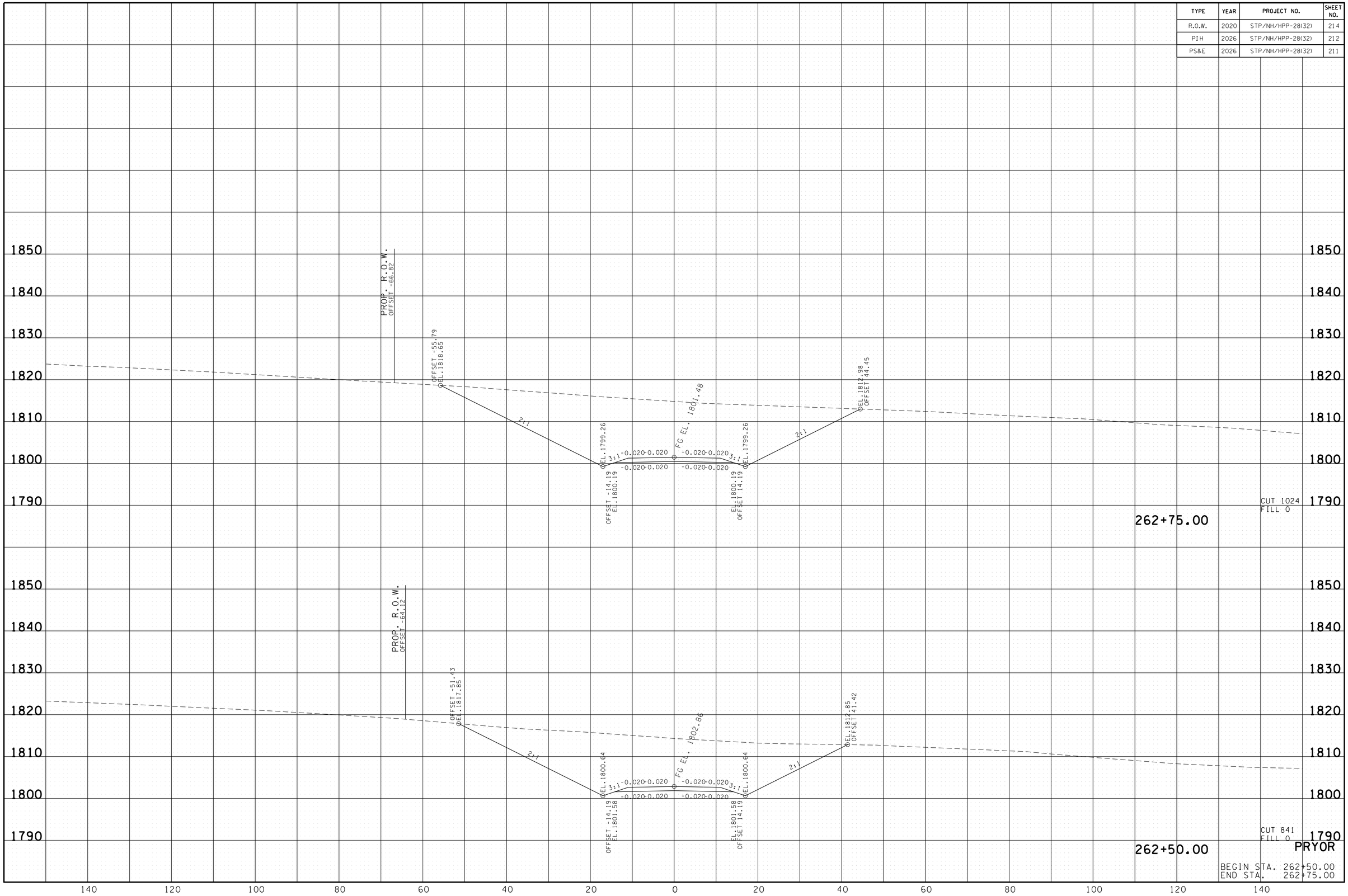
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	214
PIH	2026	STP/NH/HPP-28(32)	212
PS&E	2026	STP/NH/HPP-28(32)	211



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	215
PIH	2026	STP/NH/HPP-28(32)	213
PS&E	2026	STP/NH/HPP-28(32)	212

PROP. R.O.W.
OFFSET -75.08

OFFSET -62.50
EL. 1819.27

2:1

EL. 1796.52

3:1 -0.020 0.020

-0.020 0.020

FG EL. 1798.74

-0.020 0.020

3:1

EL. 1796.52

2:1

EL. 1813.61
OFFSET 51.17

OFFSET -14.19
EL. 1797.46

EL. 1797.46
OFFSET 14.19

263+25.00

CUT 1425
FILL 0

PROP. R.O.W.
OFFSET -69.72

OFFSET -59.62
EL. 1819.19

2:1

EL. 1797.87

3:1 -0.020 0.020

-0.020 0.020

FG EL. 1800.09

-0.020 0.020

3:1

EL. 1797.87

2:1

EL. 1813.66
OFFSET 48.58

OFFSET -14.19
EL. 1798.81

EL. 1798.81
OFFSET 14.19

263+00.00

CUT 1243
FILL 0

PRYOR

BEGIN STA. 263+00.00
END STA. 263+25.00

1850
1840
1830
1820
1810
1800
1790

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

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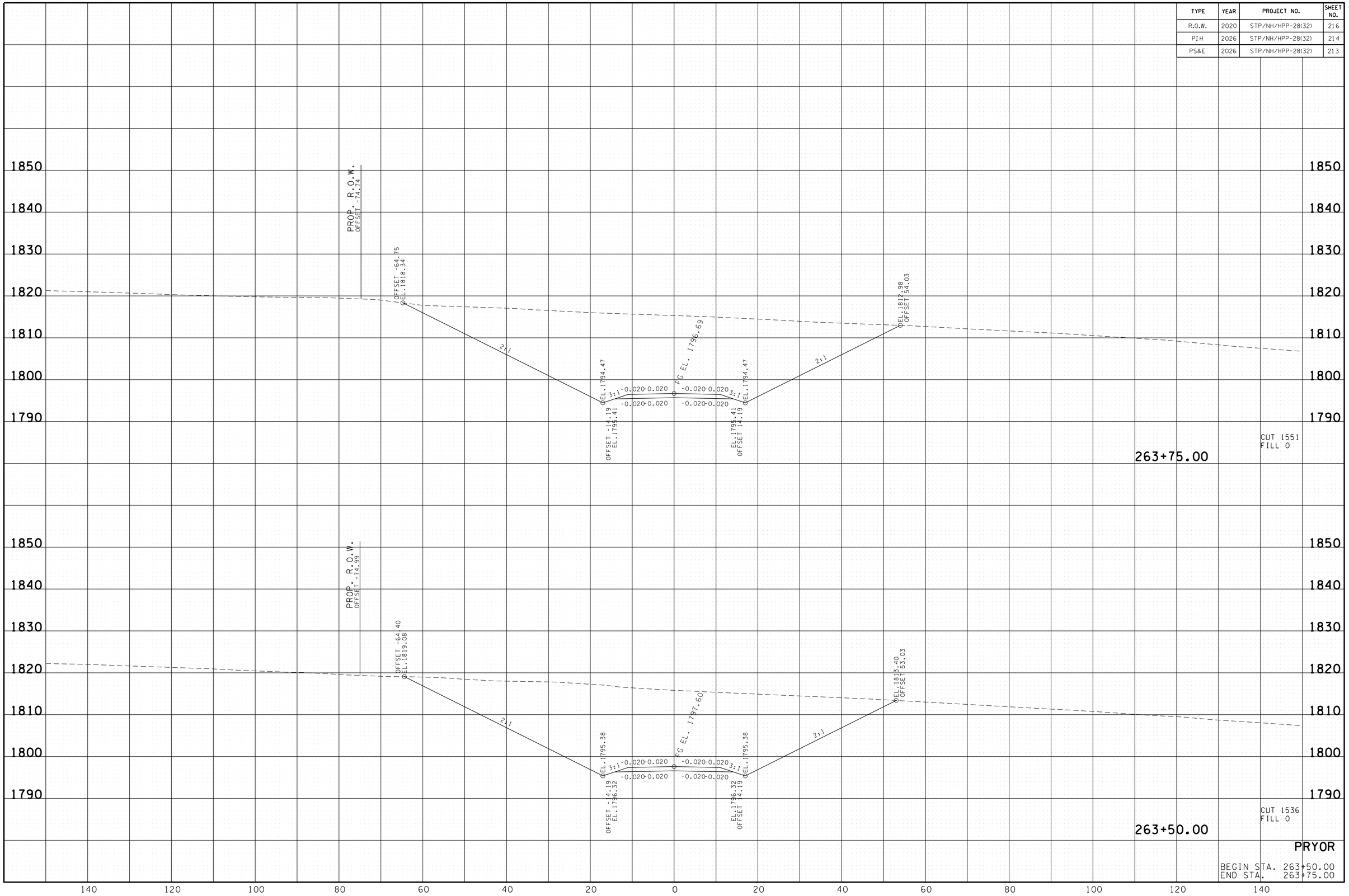
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	216
PIH	2026	STP/NH/HPP-28(32)	214
PS&E	2026	STP/NH/HPP-28(32)	213



PRYOR

BEGIN STA. 263+50.00
END STA. 263+75.00

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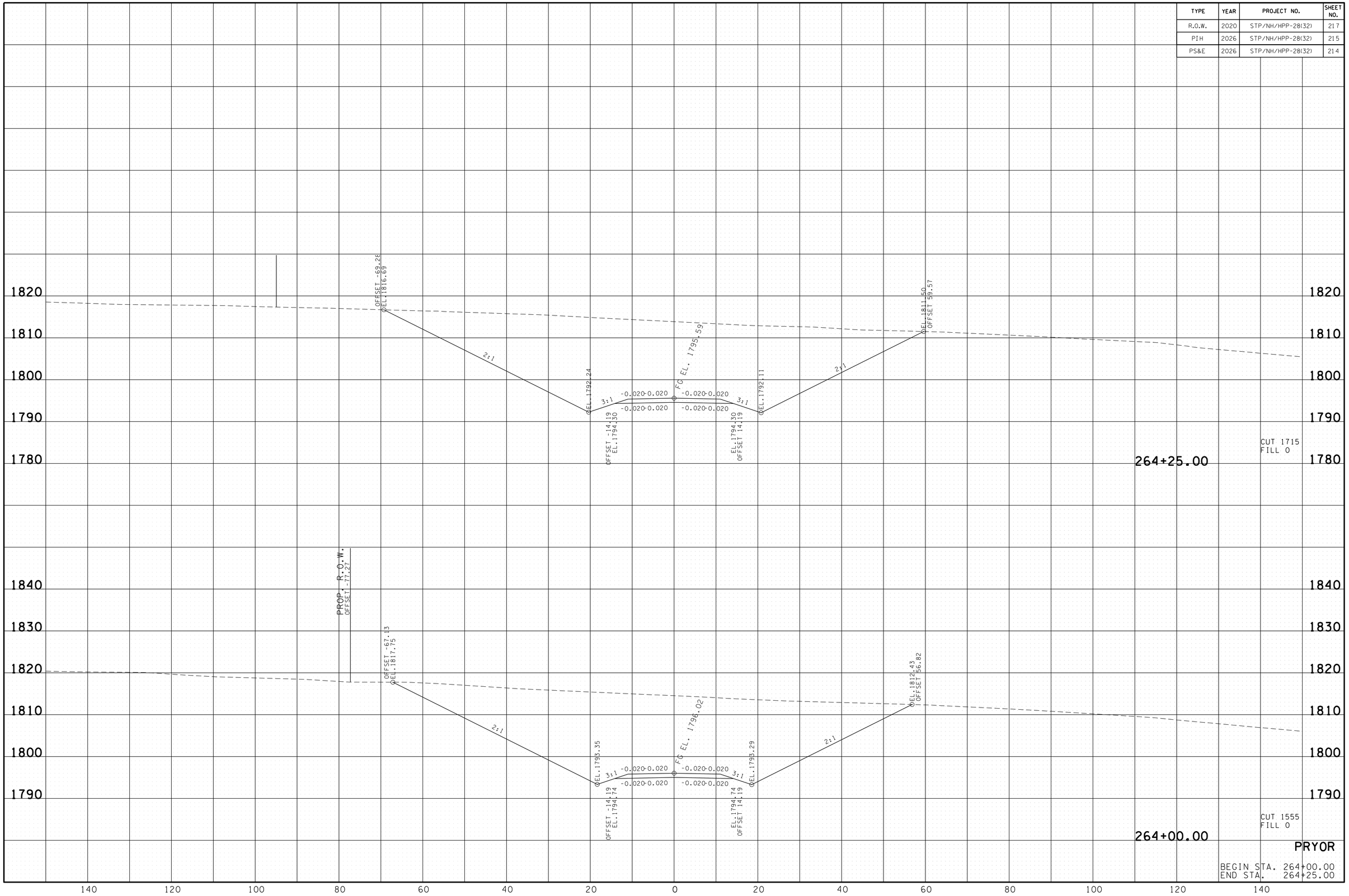
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	217
PIH	2026	STP/NH/HPP-28(32)	215
PS&E	2026	STP/NH/HPP-28(32)	214



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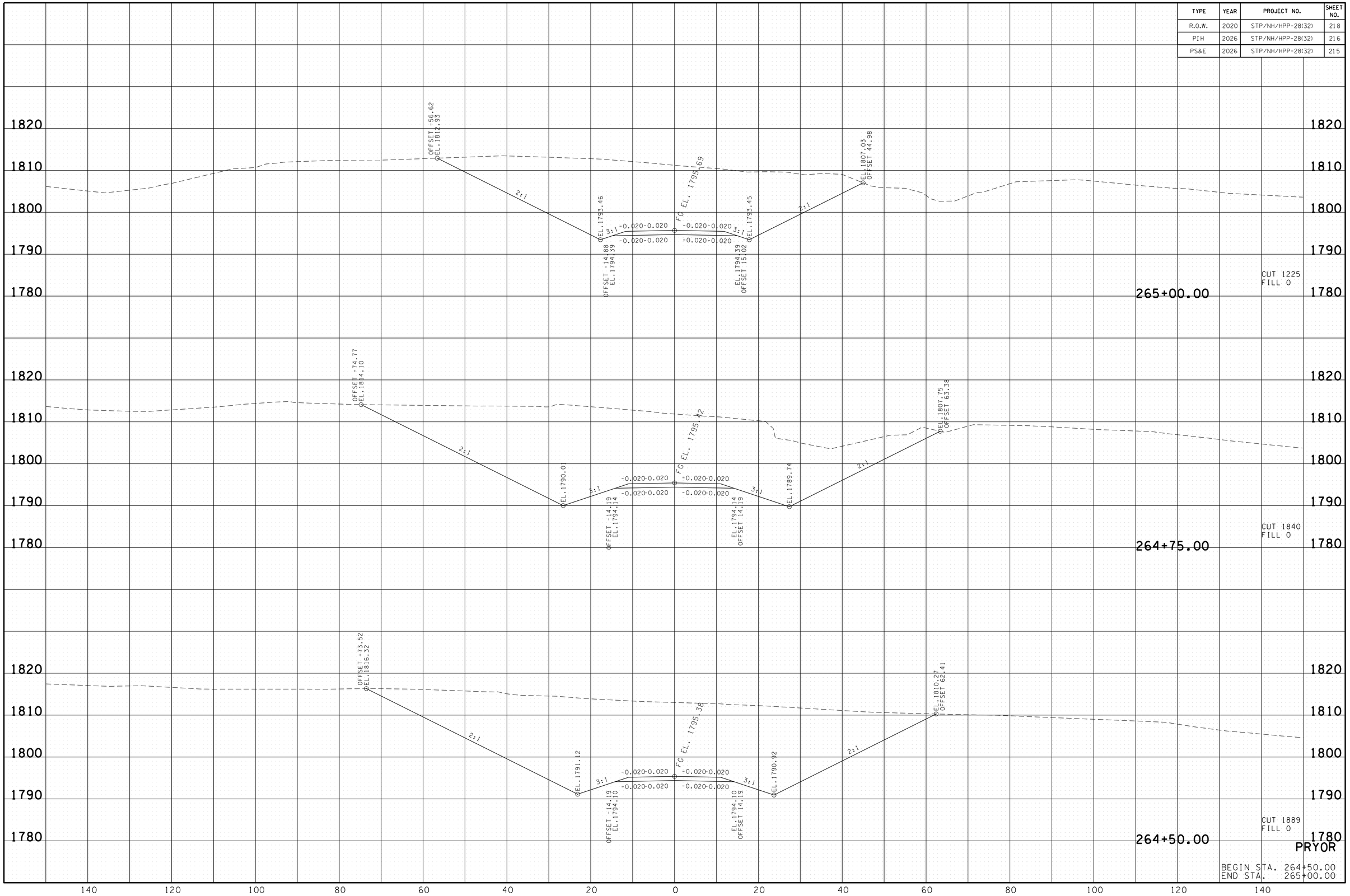
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	218
PIH	2026	STP/NH/HPP-28(32)	216
PS&E	2026	STP/NH/HPP-28(32)	215



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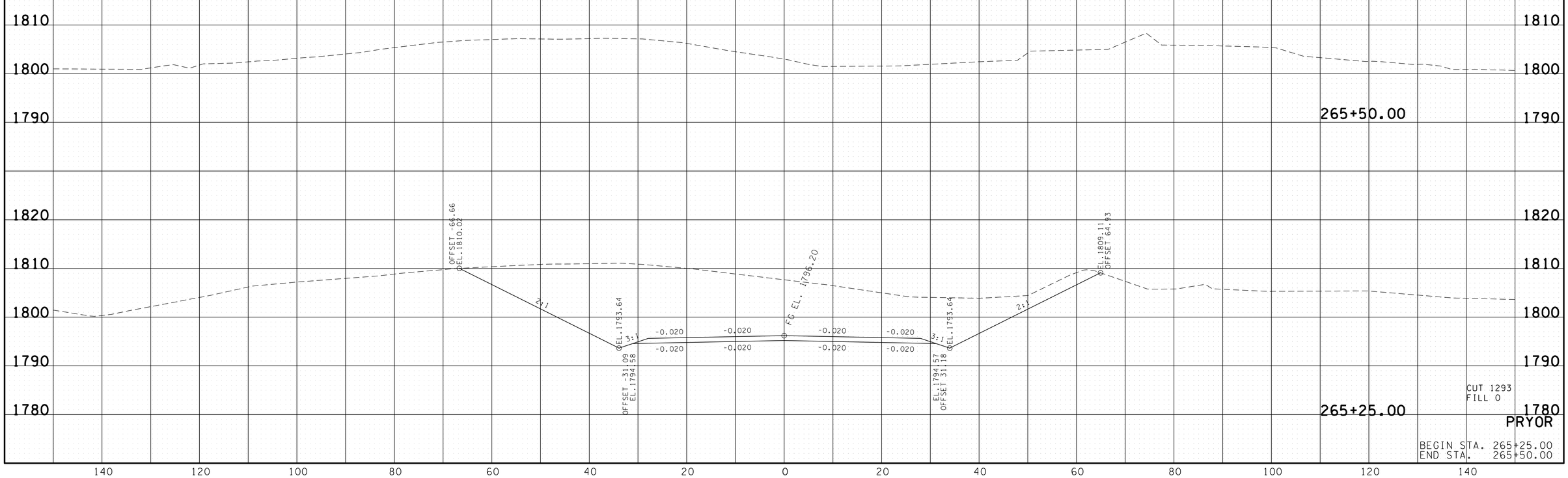
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	219
PIH	2026	STP/NH/HPP-28(32)	217
PS&E	2026	STP/NH/HPP-28(32)	216



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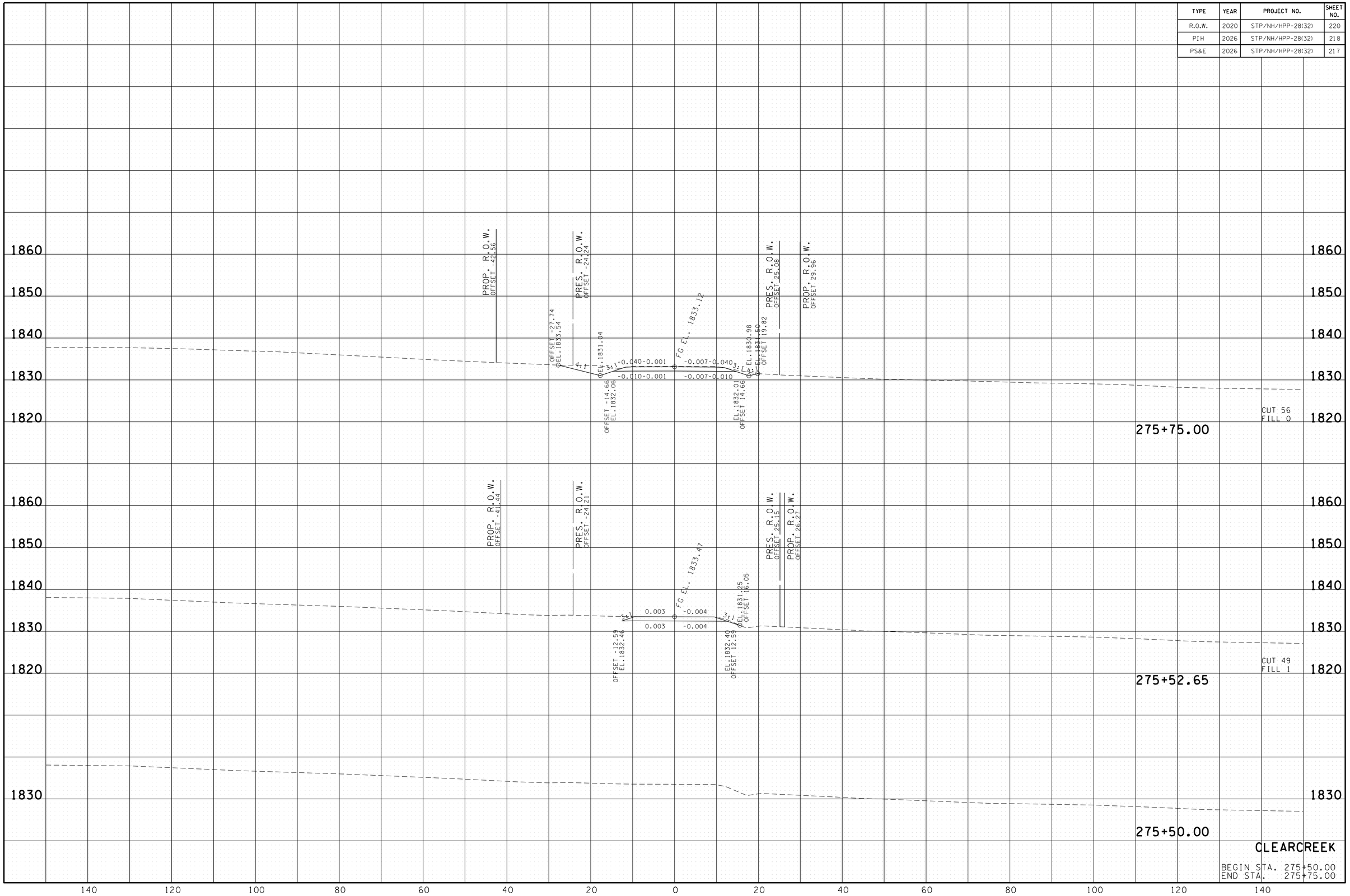
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	220
PIH	2026	STP/NH/HPP-28(32)	218
PS&E	2026	STP/NH/HPP-28(32)	217



5/18/2026
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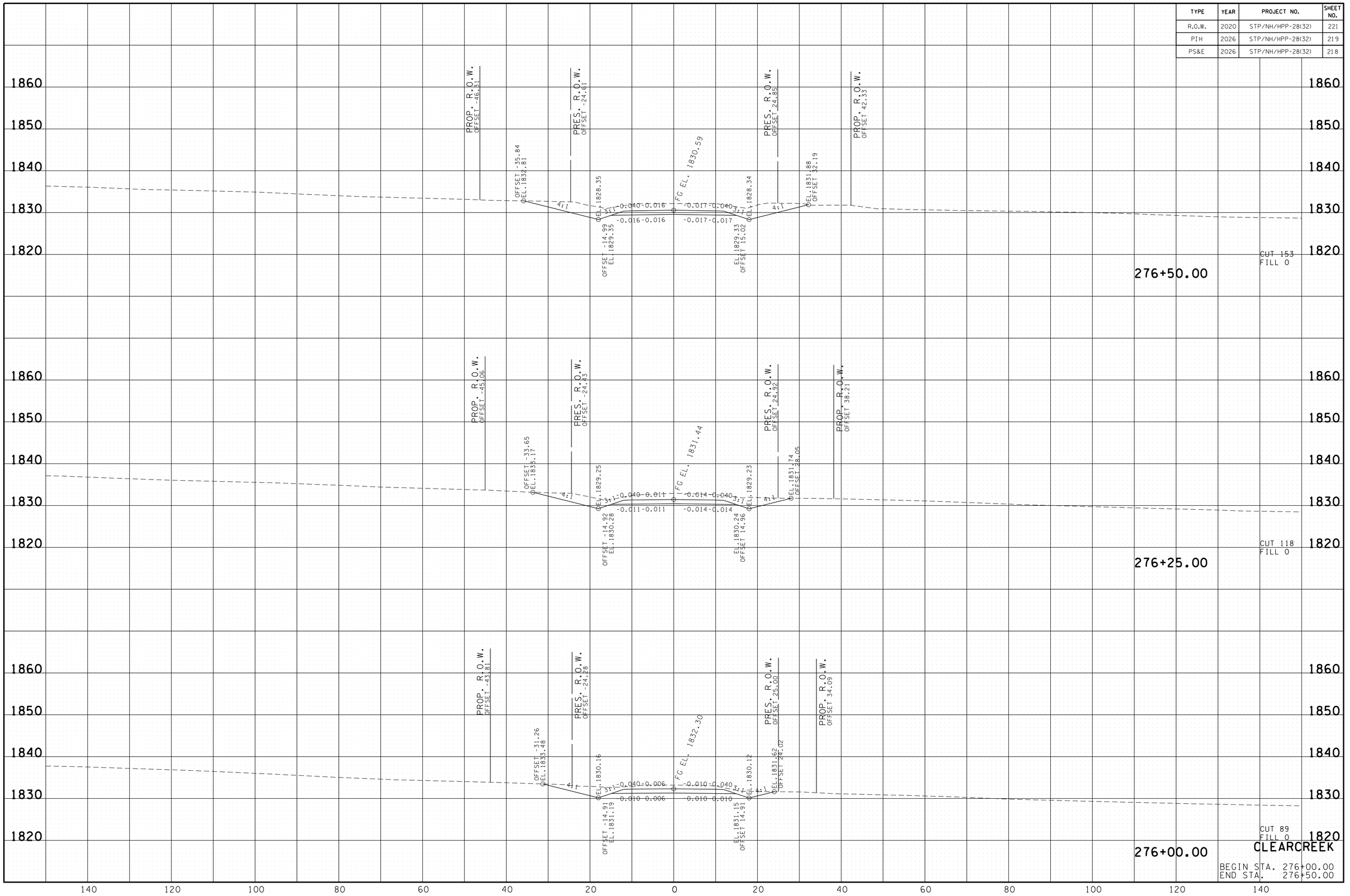
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	221
PIH	2026	STP/NH/HPP-28(32)	219
PS&E	2026	STP/NH/HPP-28(32)	218



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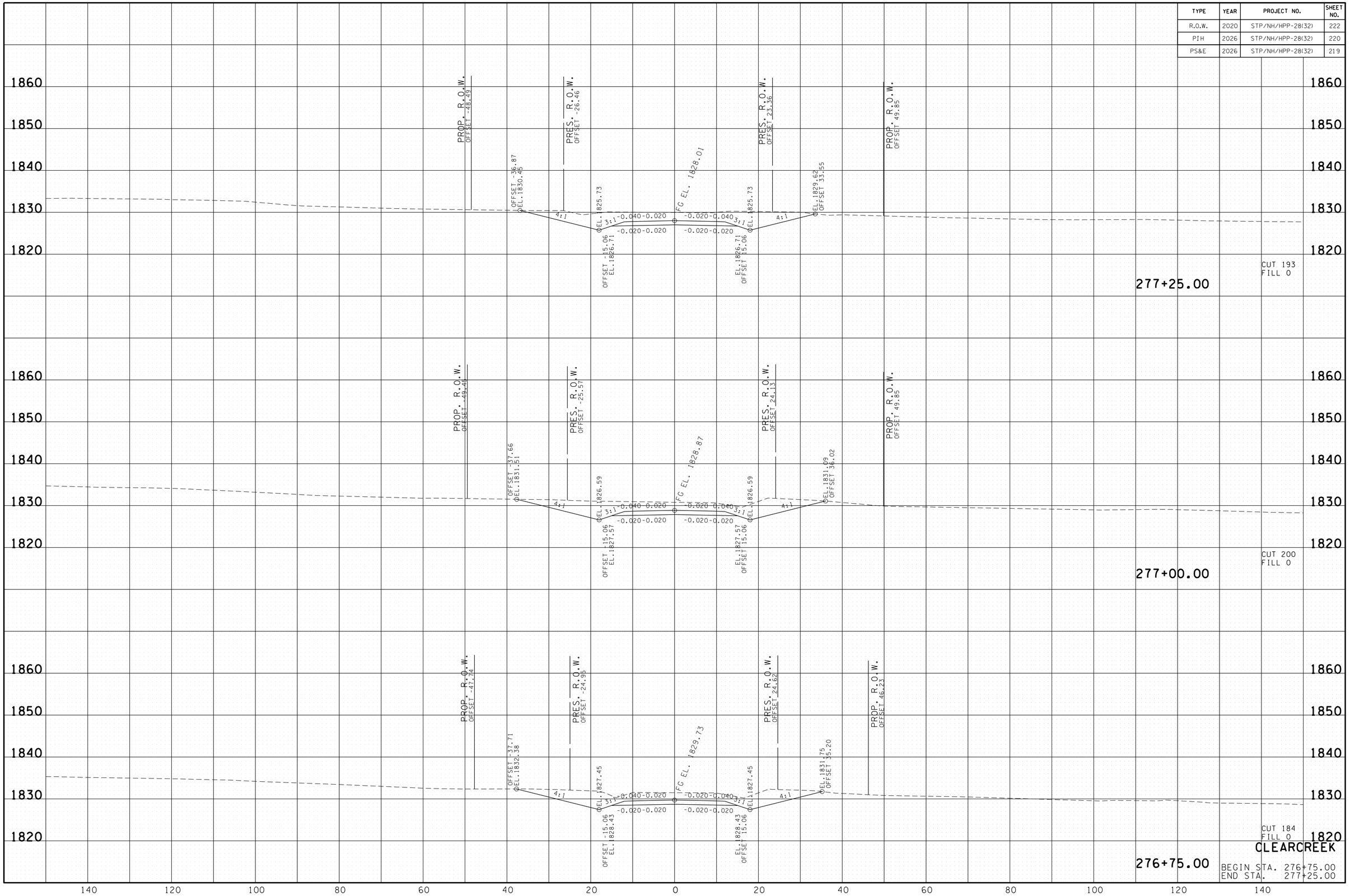
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	222
PIH	2026	STP/NH/HPP-28(32)	220
PS&E	2026	STP/NH/HPP-28(32)	219



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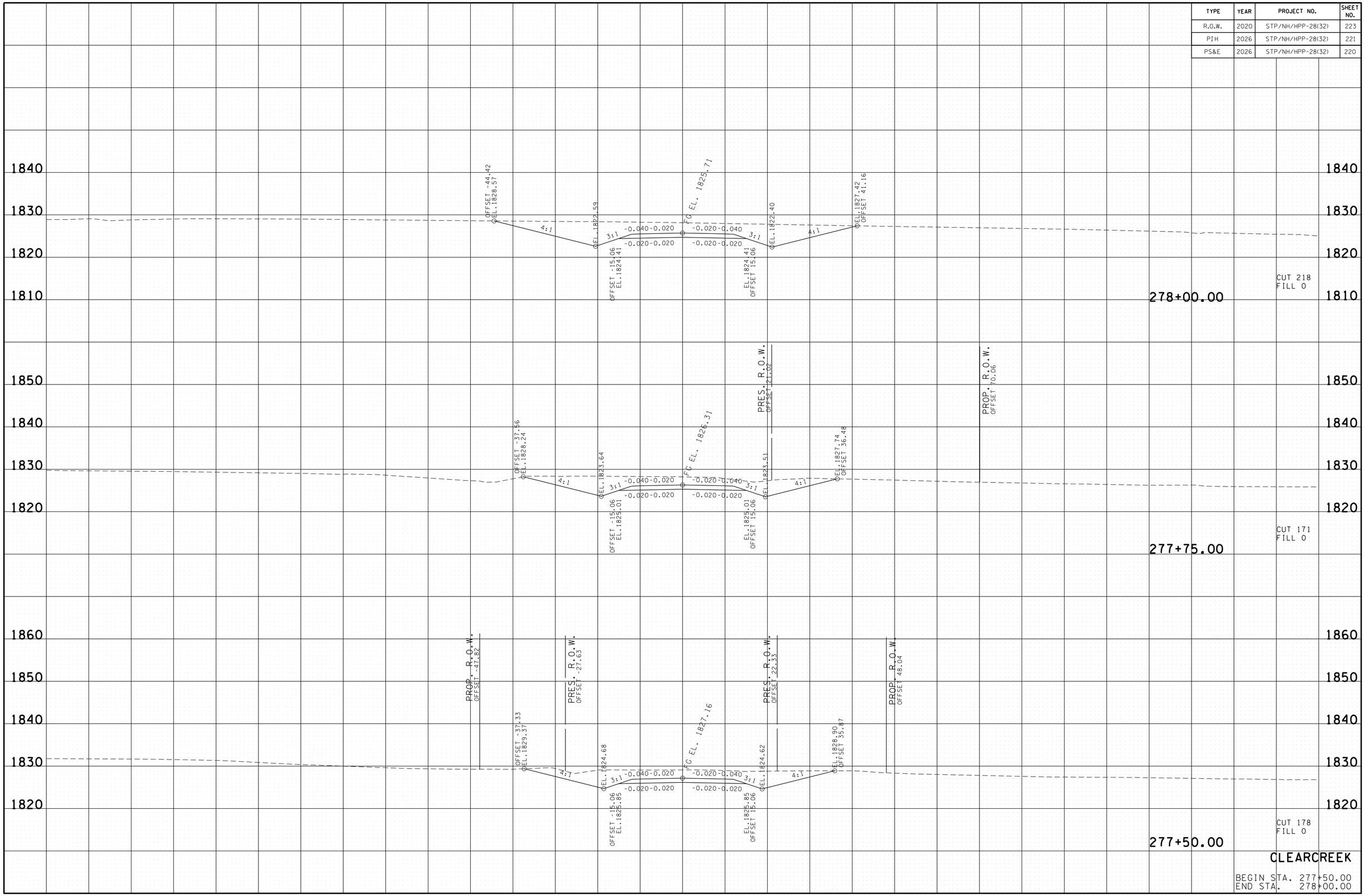
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	223
PIH	2026	STP/NH/HPP-28(32)	221
PS&E	2026	STP/NH/HPP-28(32)	220



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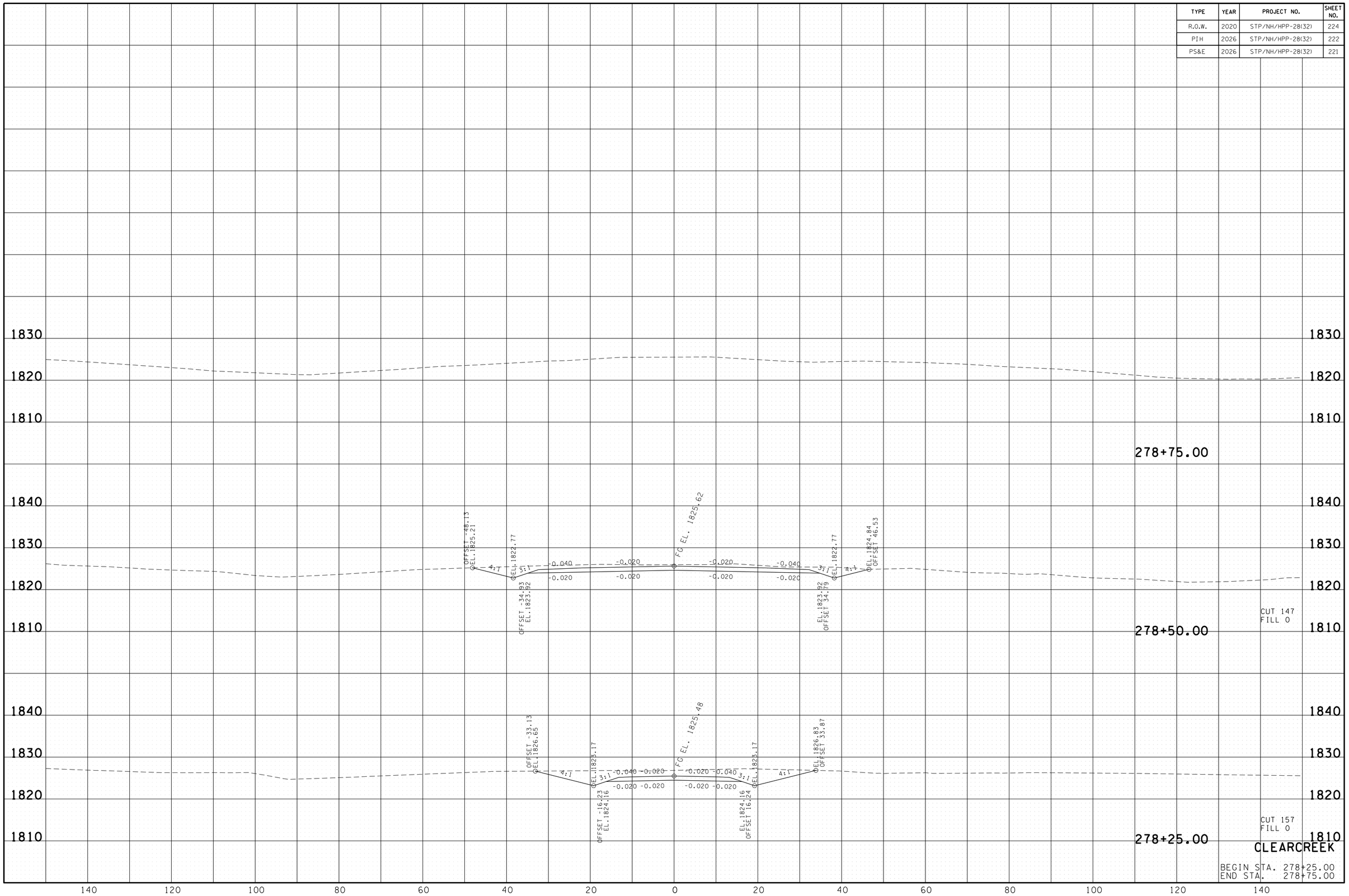
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	224
PIH	2026	STP/NH/HPP-28(32)	222
PS&E	2026	STP/NH/HPP-28(32)	221



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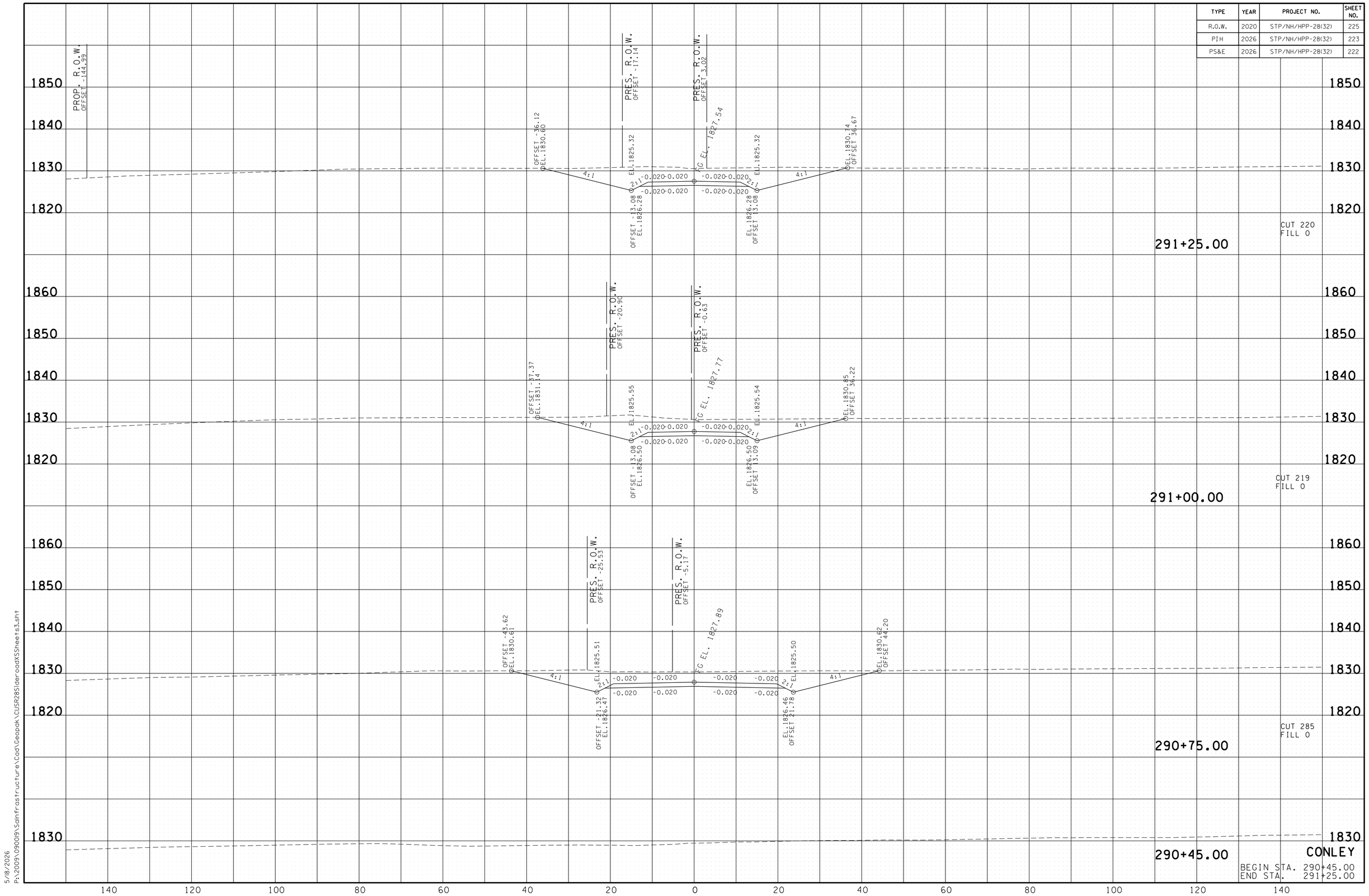
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	225
PIH	2026	STP/NH/HPP-28(32)	223
PS&E	2026	STP/NH/HPP-28(32)	222



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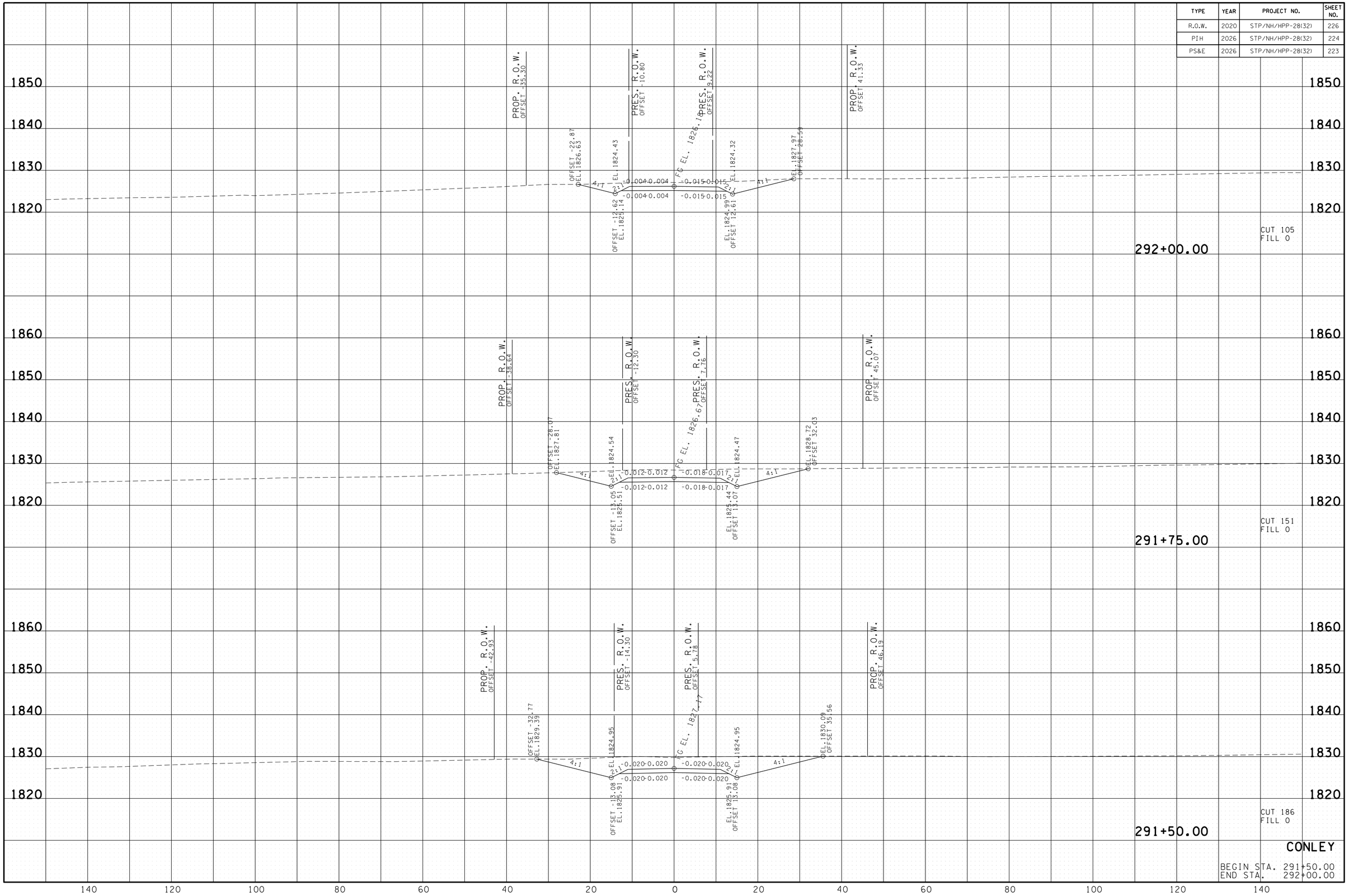
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	226
PIH	2026	STP/NH/HPP-28(32)	224
PS&E	2026	STP/NH/HPP-28(32)	223



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	227
PIH	2026	STP/NH/HPP-28(32)	225
PS&E	2026	STP/NH/HPP-28(32)	224

1830
1820
1850
1840
1830
1820
1810

292+75.00

PROP. R.O.W.
OFFSET -24.83

PRES. R.O.W.
OFFSET -10.26

PRES. R.O.W.
OFFSET 9.74

PROP. R.O.W.
OFFSET 26.35

OFFSET -10.27
EL. 1824.01

FG EL. 1825.71

0.013 -0.010
0.013 -0.010

OFFSET -6.67
EL. 1824.80

EL. 1824.65
OFFSET 6.10

292+50.00

CUT 18
FILL 0

PROP. R.O.W.
OFFSET -28.73

PRES. R.O.W.
OFFSET -10.18

PRES. R.O.W.
OFFSET 9.82

PROP. R.O.W.
OFFSET 34.35

OFFSET -16.48
EL. 1825.47

EL. 1824.31

FG EL. 1825.87

0.005 0.005 -0.013 -0.012
0.005 0.005 -0.013 -0.012

EL. 1824.16

EL. 1826.12
OFFSET 19.35

OFFSET -10.65
EL. 1824.32

EL. 1824.74
OFFSET 10.36

292+25.00

CUT 54
FILL 0

CONLEY

BEGIN STA. 292+25.00
END STA. 292+75.00

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

5/18/2026
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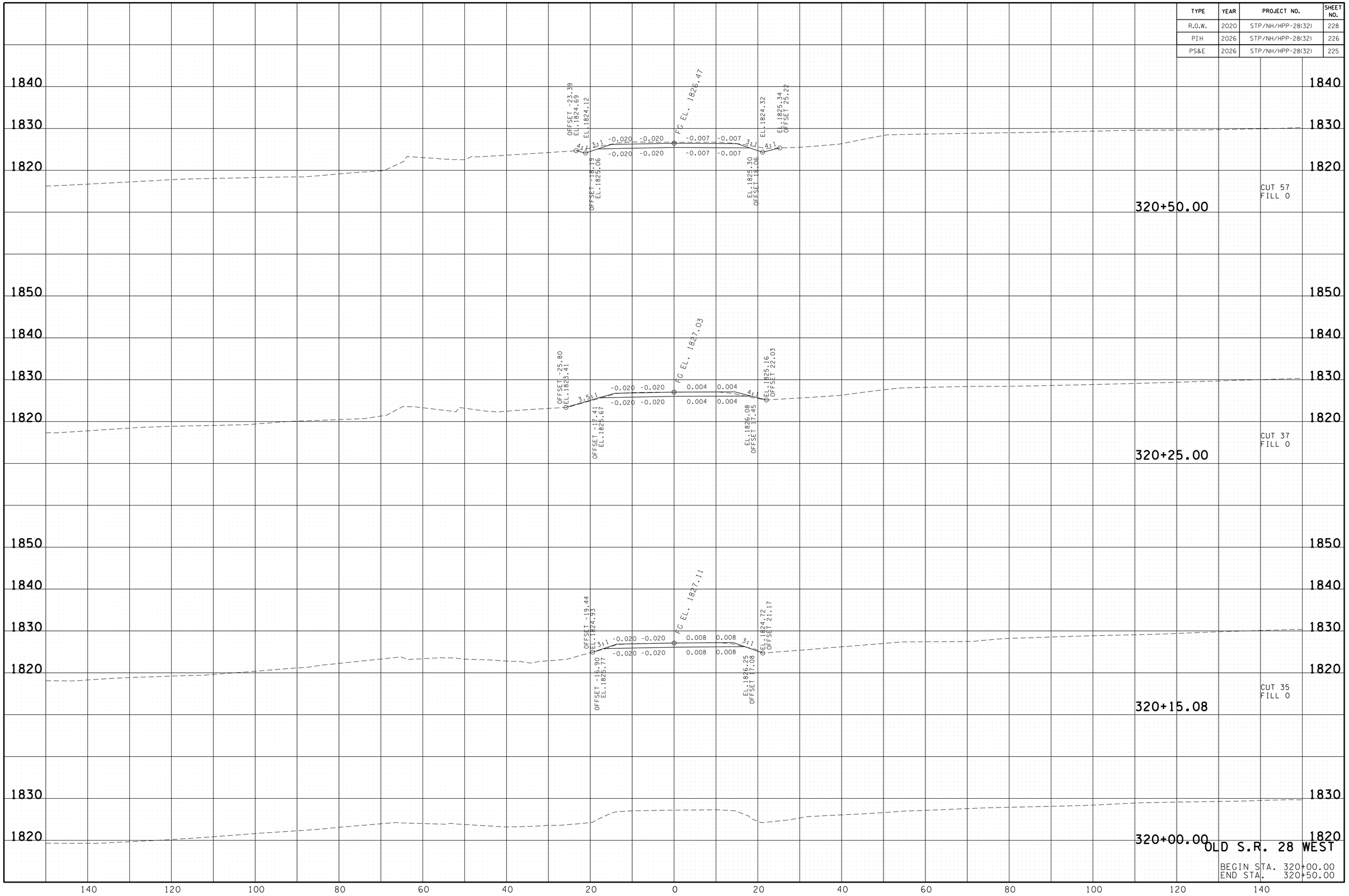
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	228
PIH	2026	STP/NH/HPP-28(32)	226
PS&E	2026	STP/NH/HPP-28(32)	225



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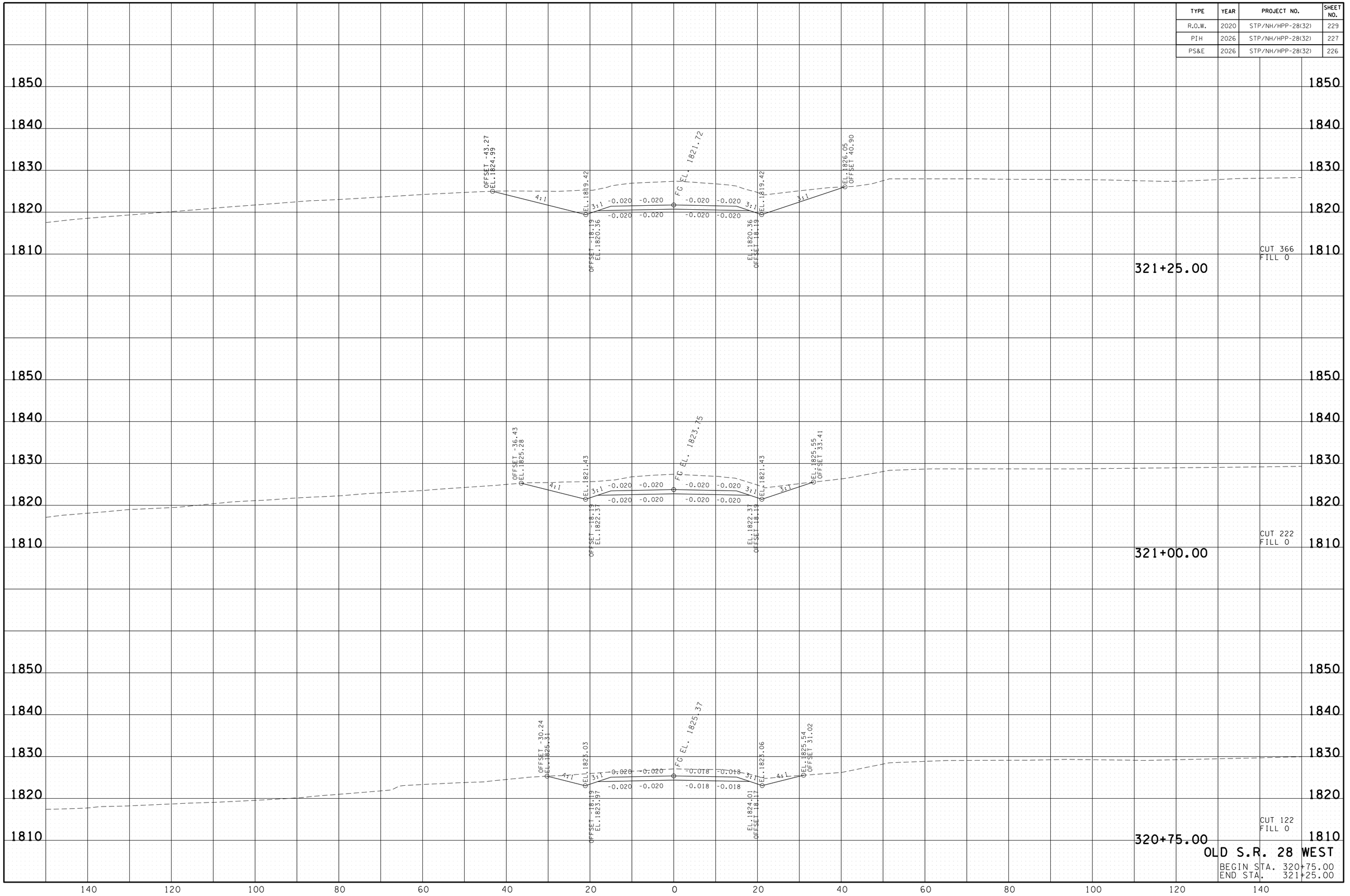
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	229
PIH	2026	STP/NH/HPP-28(32)	227
PS&E	2026	STP/NH/HPP-28(32)	226



OLD S.R. 28 WEST

BEGIN STA. 320+75.00
END STA. 321+25.00

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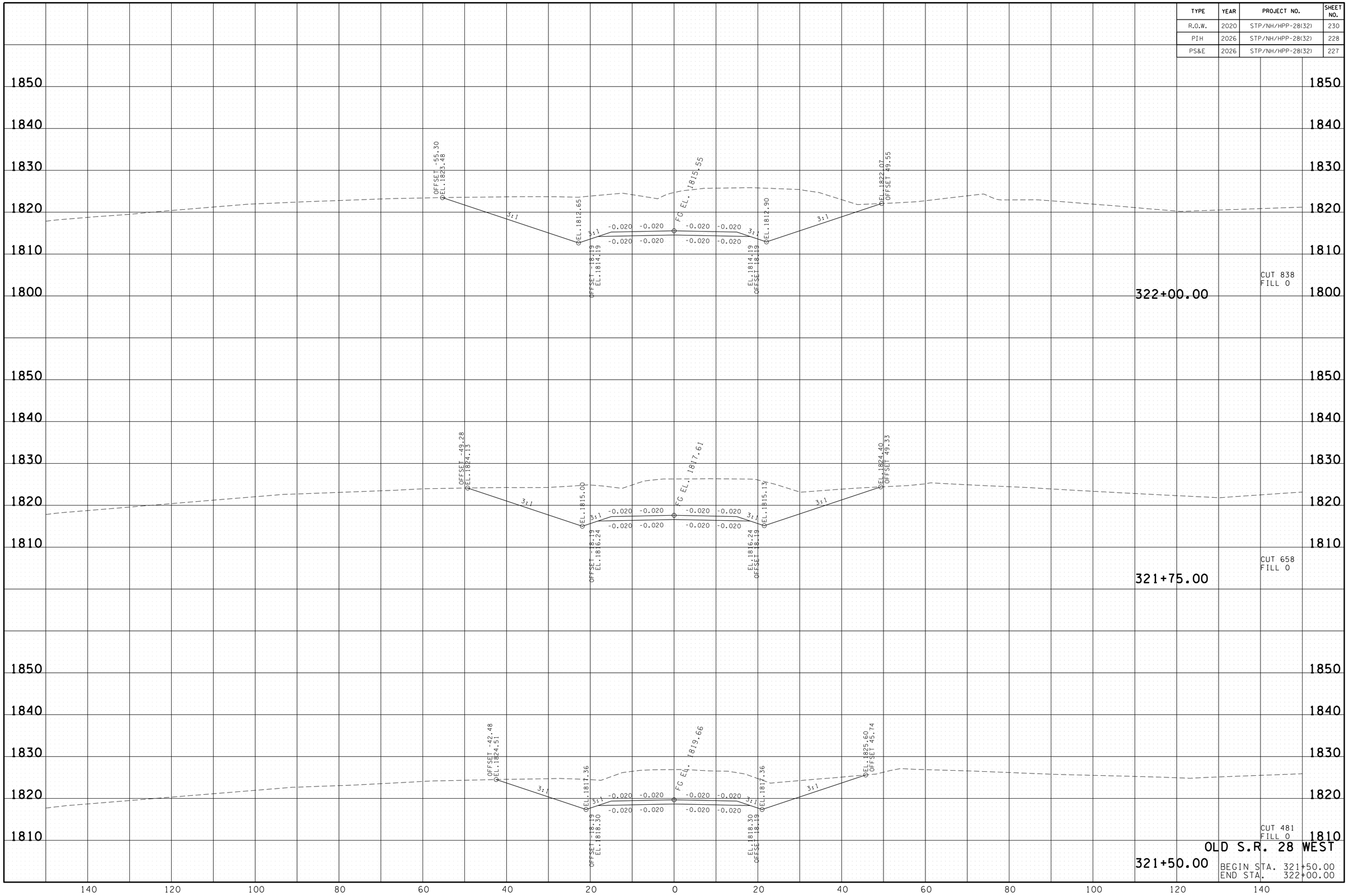
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	230
PIH	2026	STP/NH/HPP-28(32)	228
PS&E	2026	STP/NH/HPP-28(32)	227



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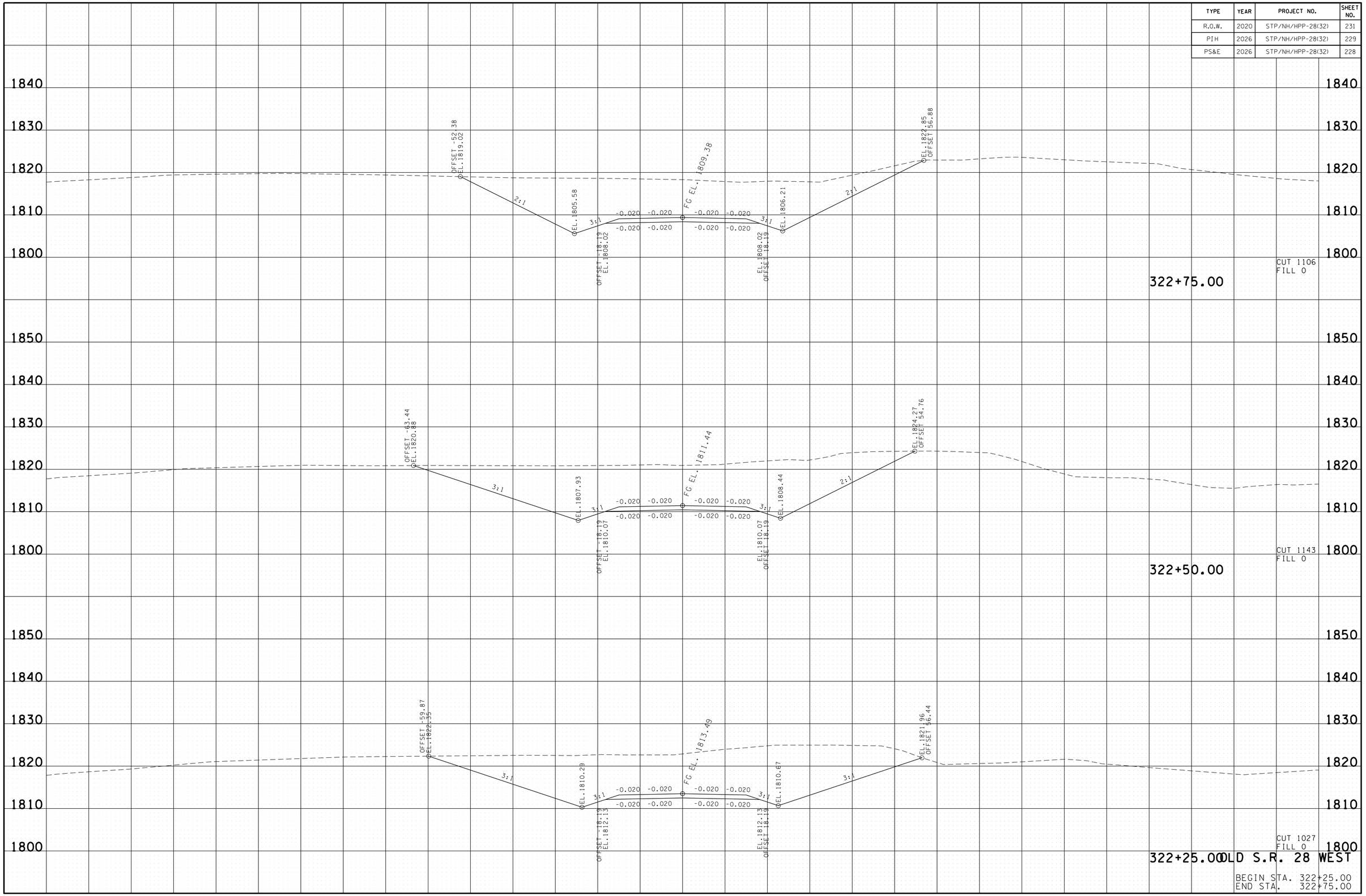
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	231
PIH	2026	STP/NH/HPP-28(32)	229
PS&E	2026	STP/NH/HPP-28(32)	228



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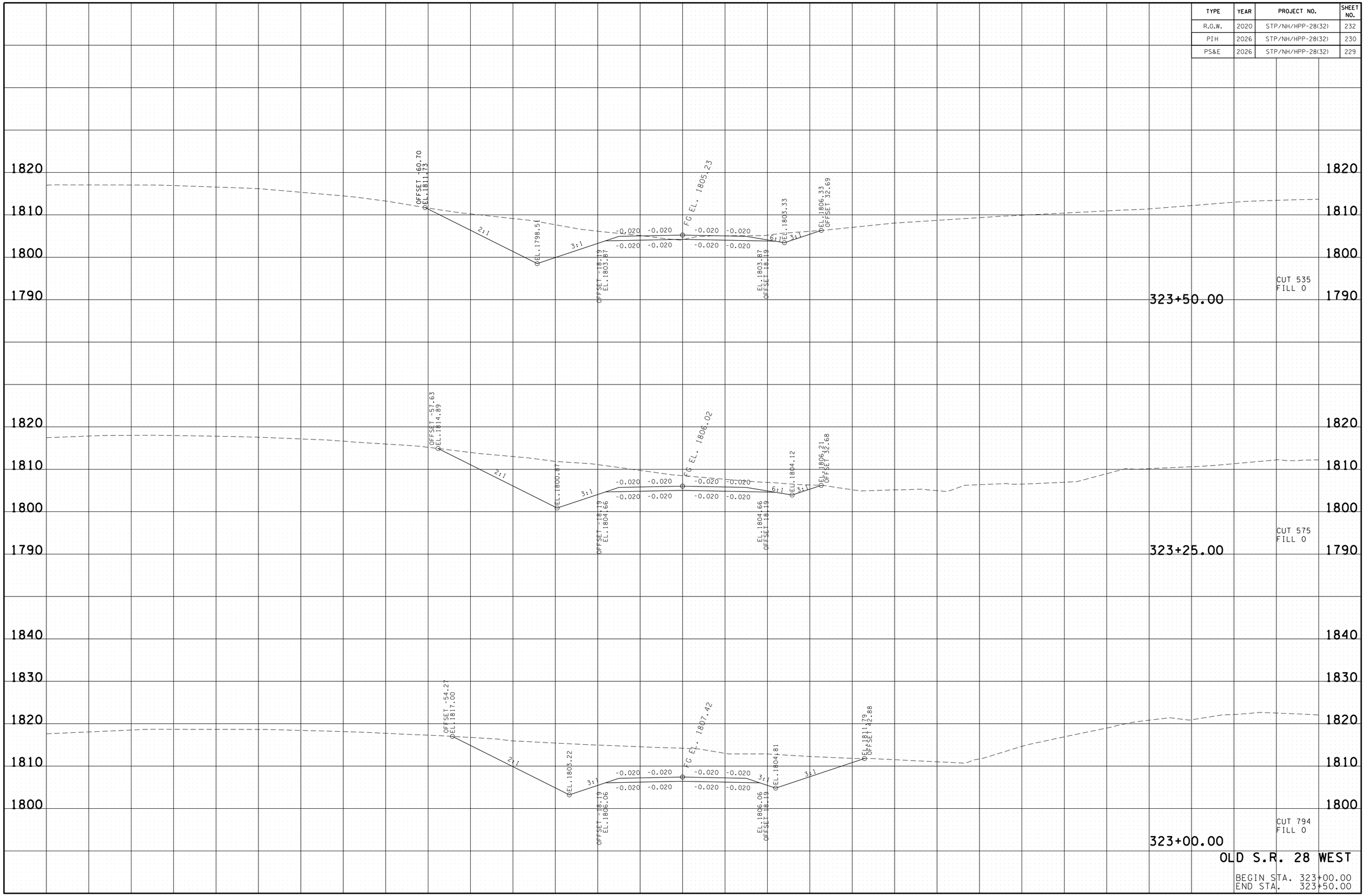
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	232
PIH	2026	STP/NH/HPP-28(32)	230
PS&E	2026	STP/NH/HPP-28(32)	229



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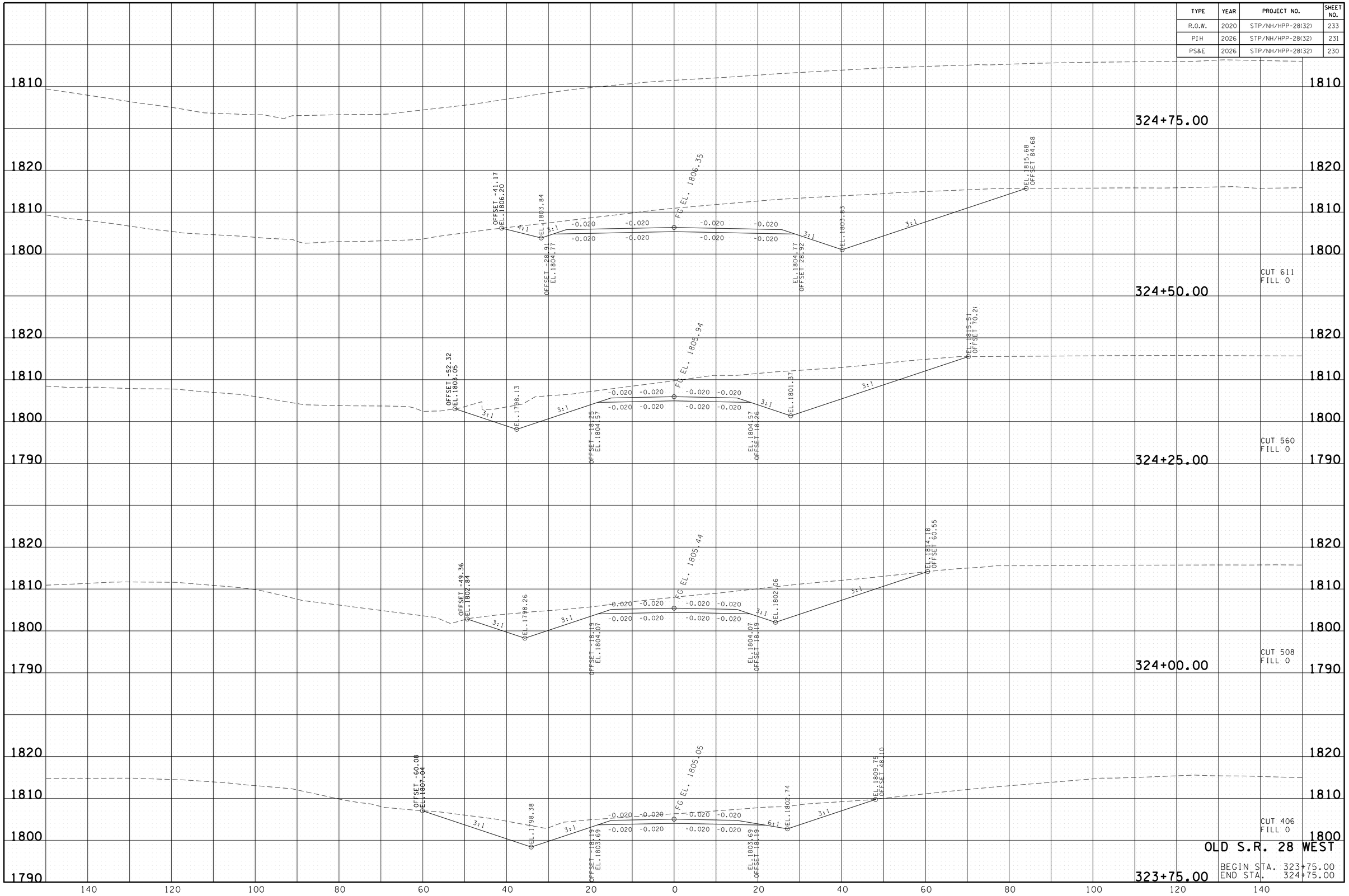
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	233
PIH	2026	STP/NH/HPP-28(32)	231
PS&E	2026	STP/NH/HPP-28(32)	230



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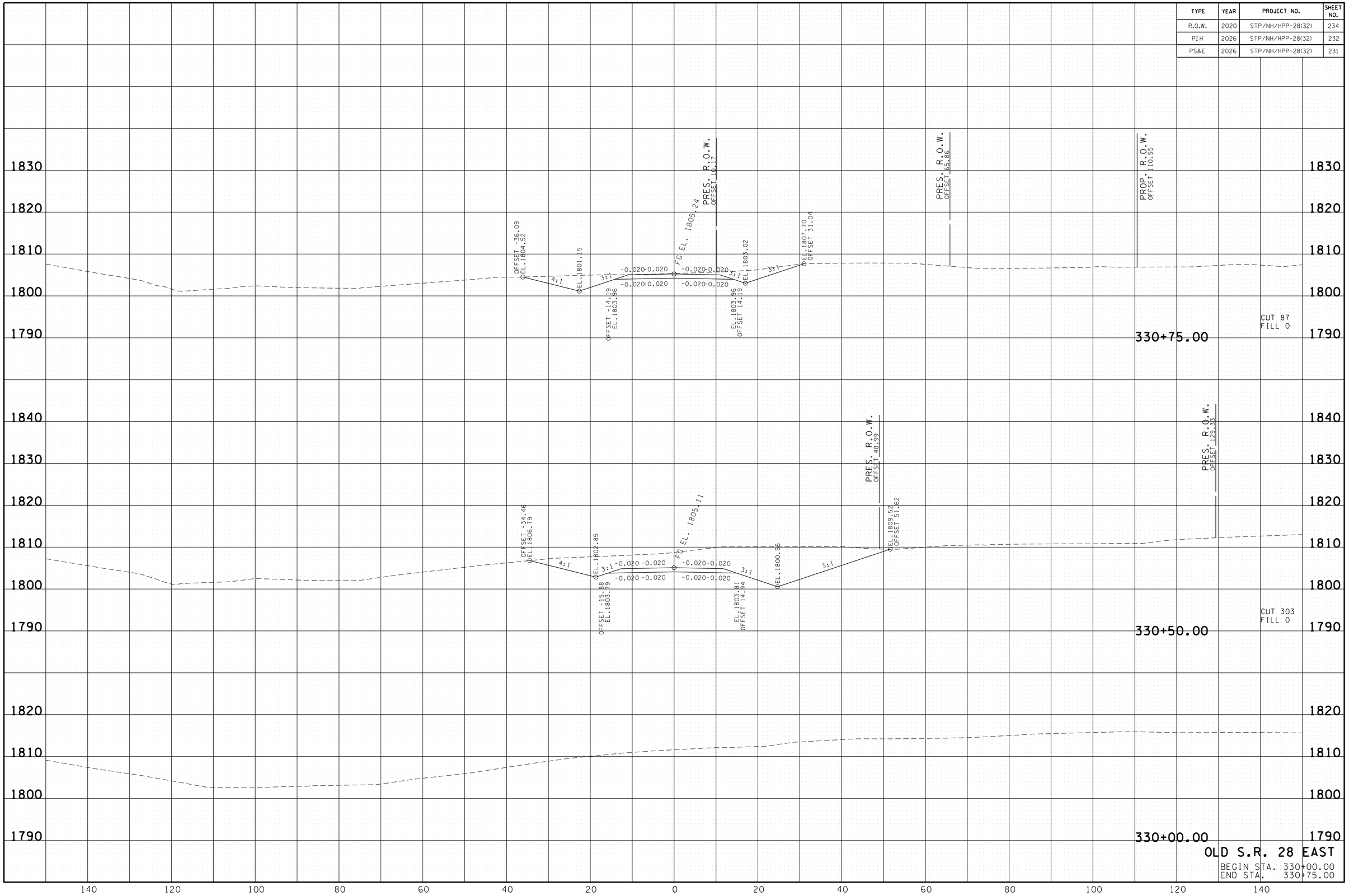
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	234
PIH	2026	STP/NH/HPP-28(32)	232
PS&E	2026	STP/NH/HPP-28(32)	231



OLD S.R. 28 EAST

BEGIN STA. 330+00.00
END STA. 330+75.00

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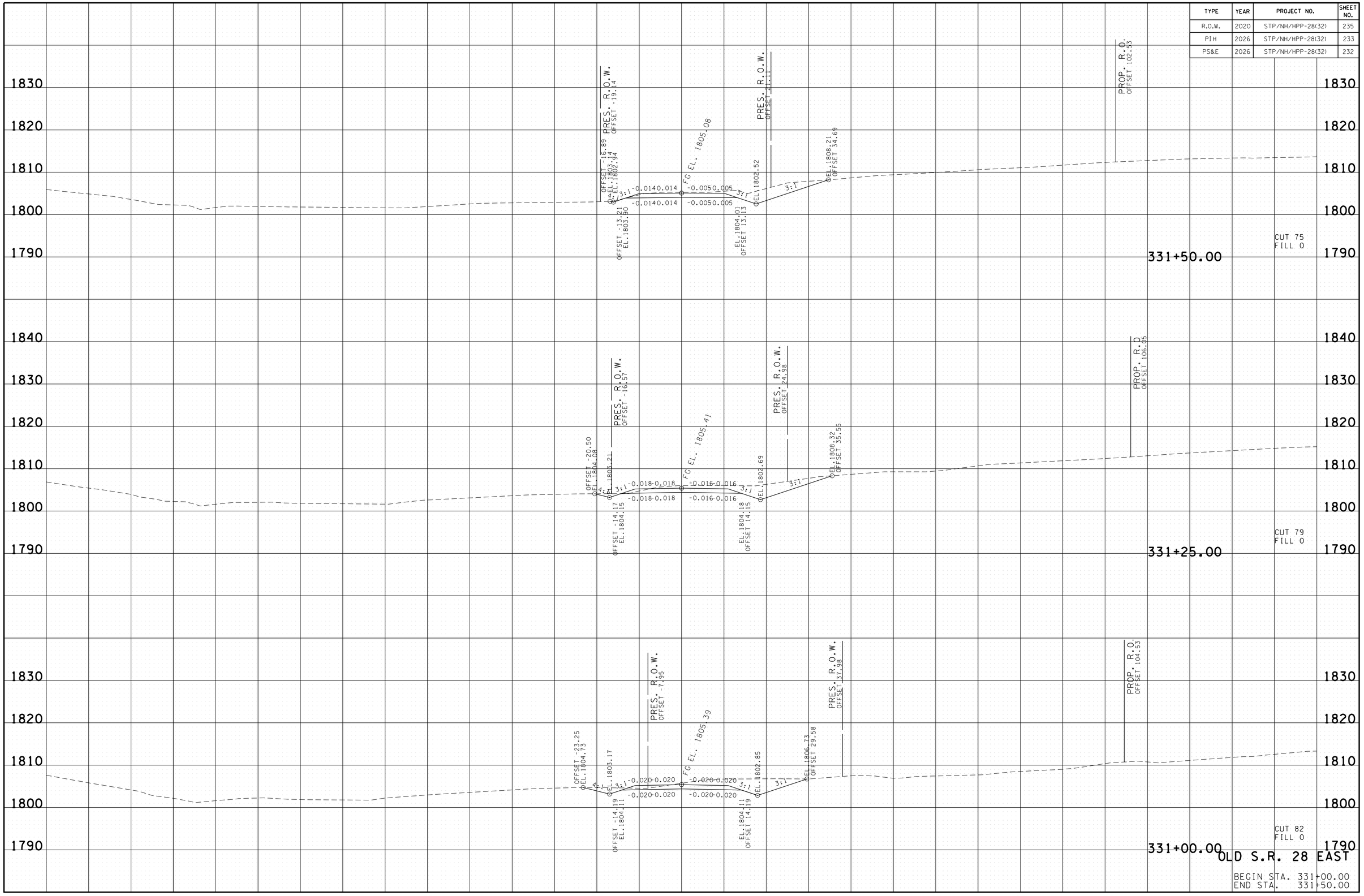
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	235
PIH	2026	STP/NH/HPP-28(32)	233
PS&E	2026	STP/NH/HPP-28(32)	232



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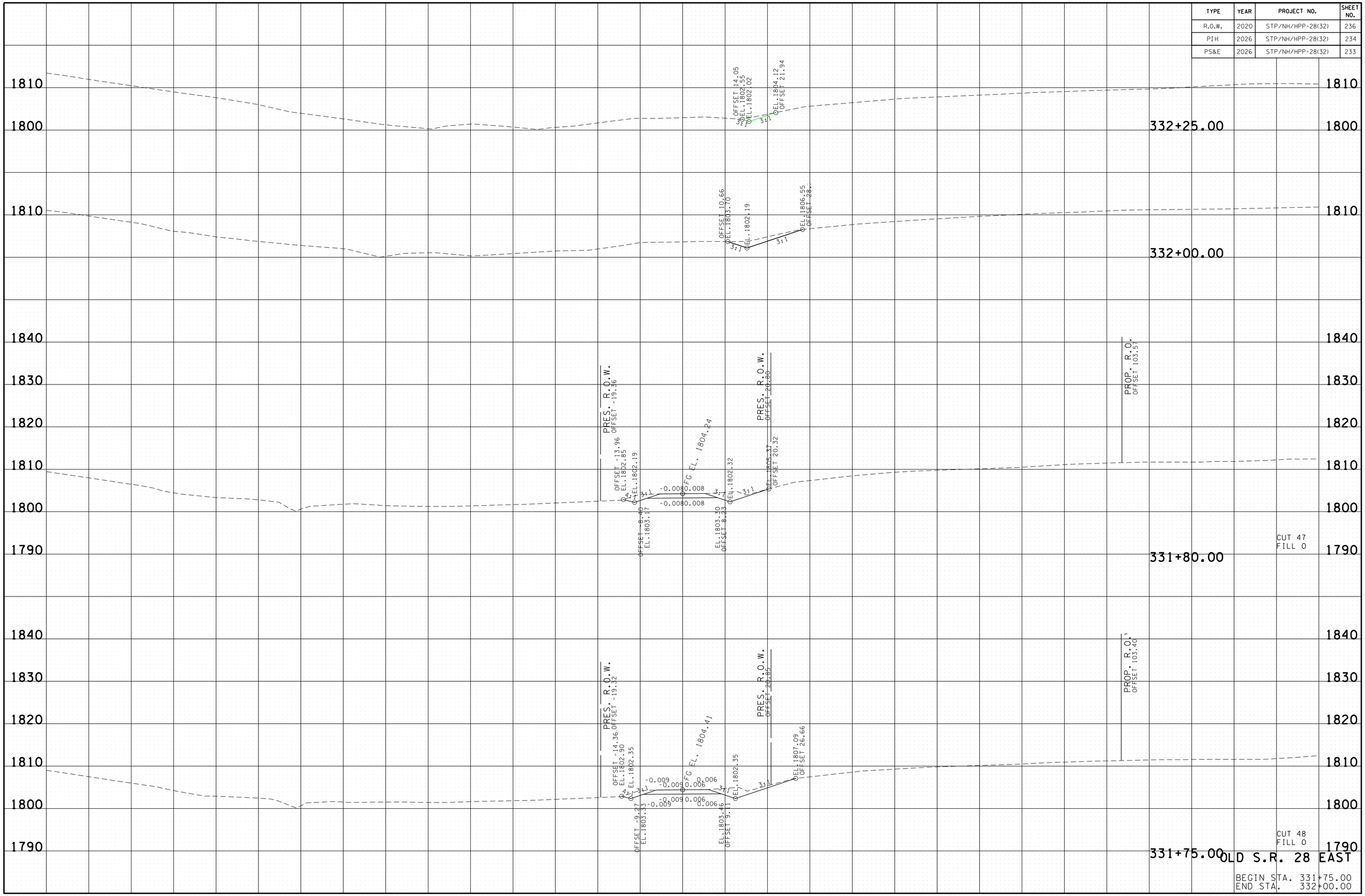
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	236
PIH	2026	STP/NH/HPP-28(32)	234
PS&E	2026	STP/NH/HPP-28(32)	233



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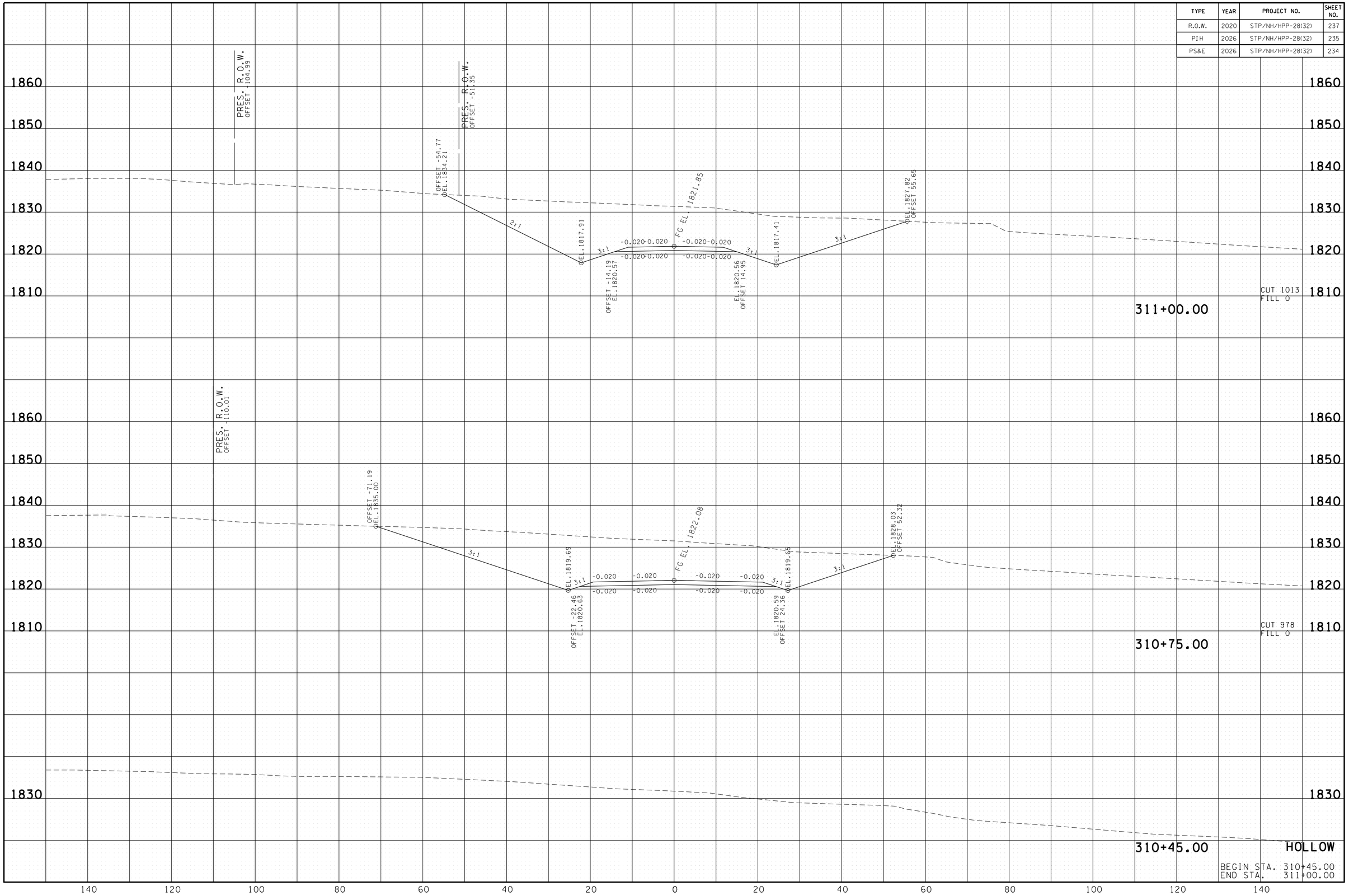
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	237
PIH	2026	STP/NH/HPP-28(32)	235
PS&E	2026	STP/NH/HPP-28(32)	234



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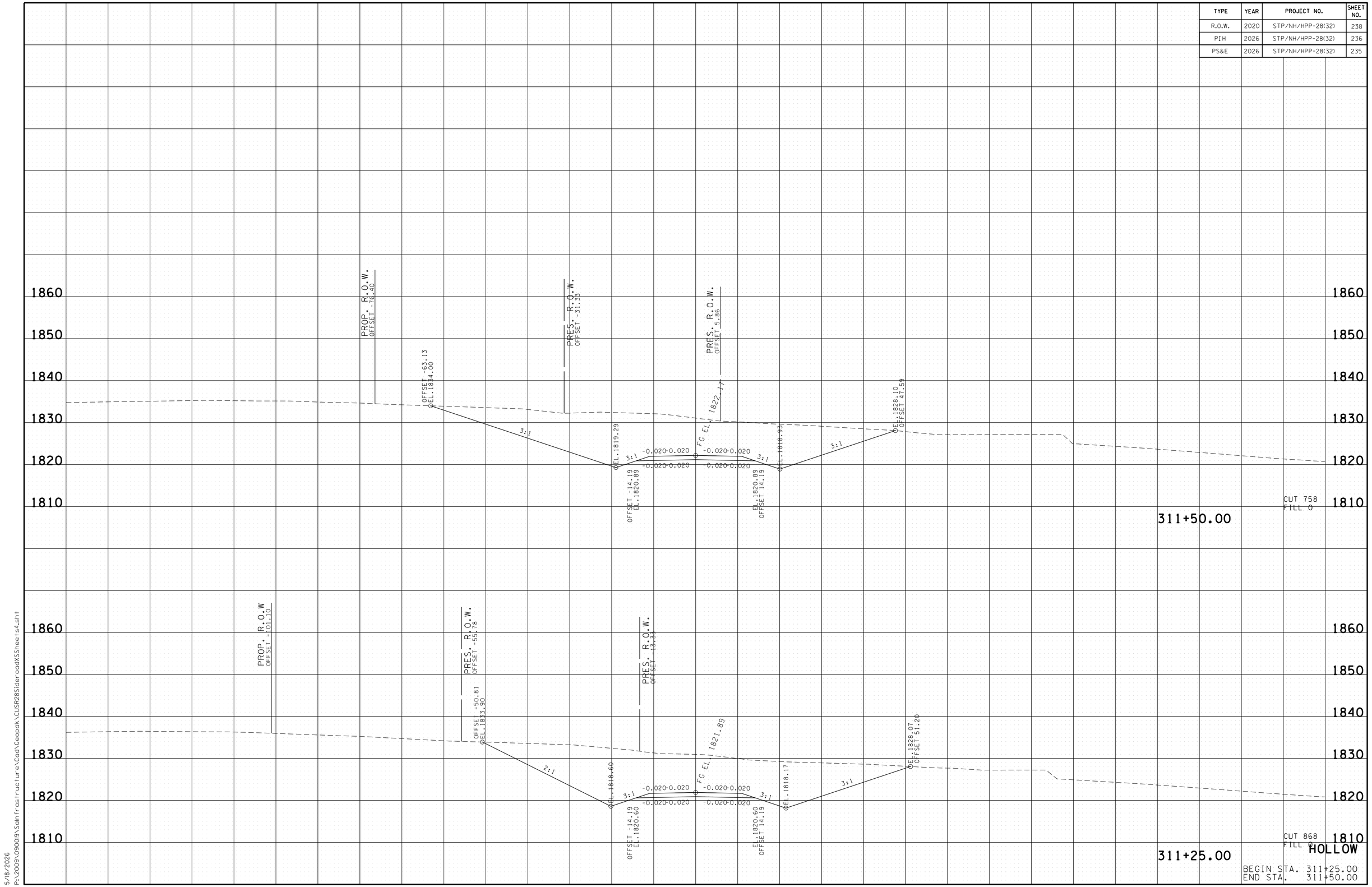
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	238
PIH	2026	STP/NH/HPP-28(32)	236
PS&E	2026	STP/NH/HPP-28(32)	235



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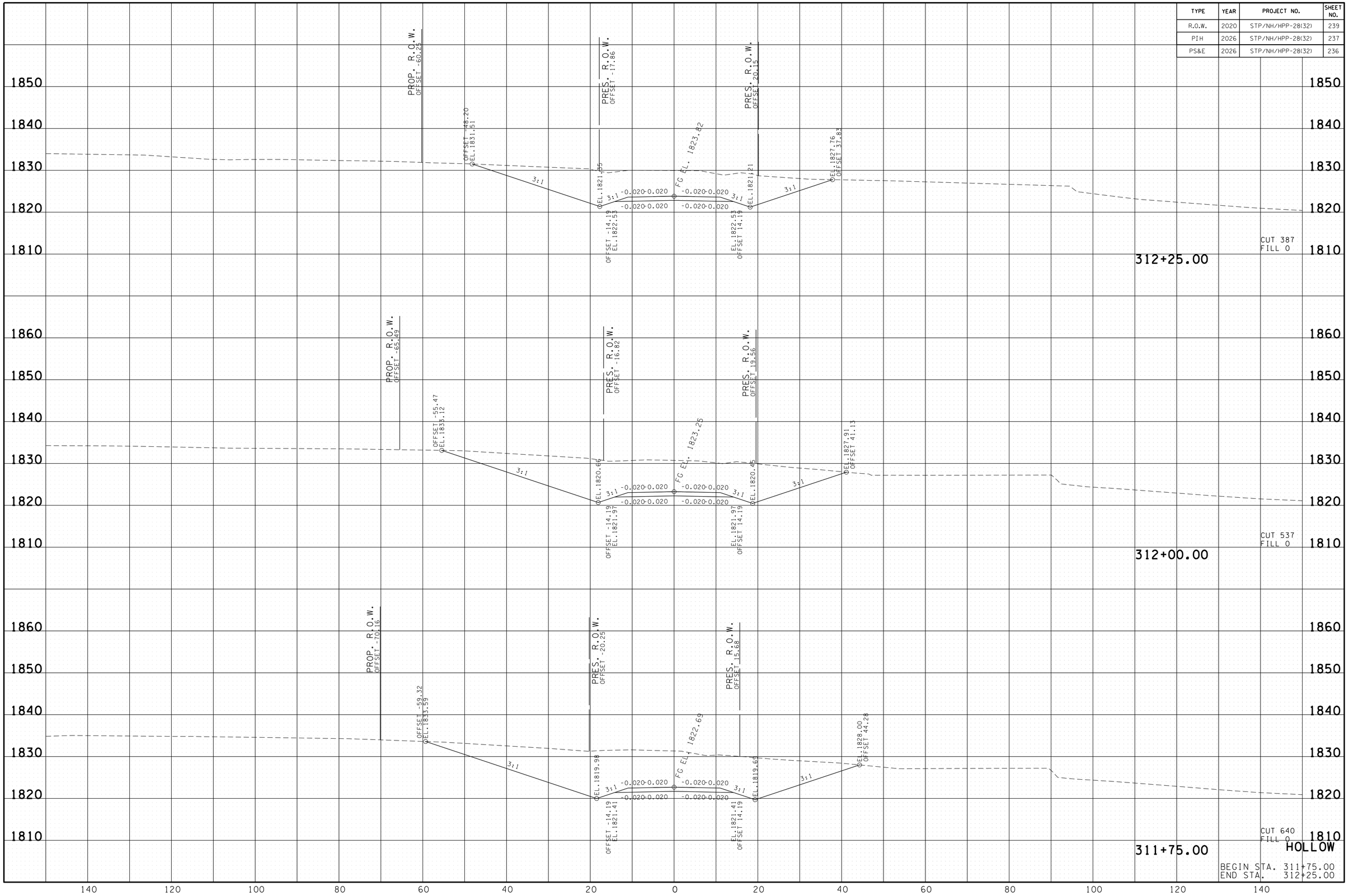
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	239
PIH	2026	STP/NH/HPP-28(32)	237
PS&E	2026	STP/NH/HPP-28(32)	236



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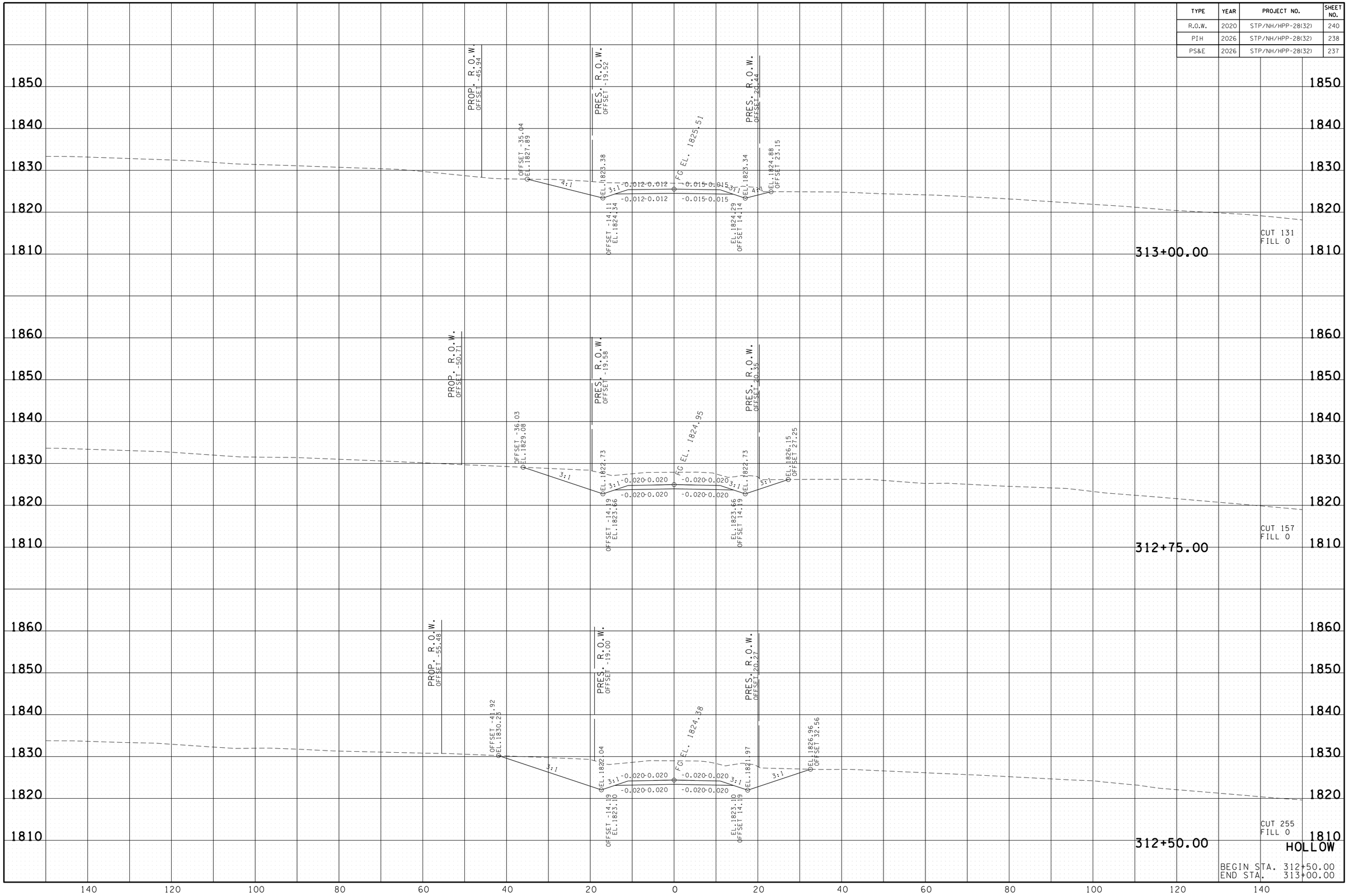
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	240
PIH	2026	STP/NH/HPP-28(32)	238
PS&E	2026	STP/NH/HPP-28(32)	237



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	241
PIH	2026	STP/NH/HPP-28(32)	239
PS&E	2026	STP/NH/HPP-28(32)	238

313+50.00

313+45.74

313+25.00

PROP. R.O.W.
OFFSET -37.21

PROP. R.O.W.
OFFSET 30.95

PROP. R.O.W.
OFFSET -41.17

PROP. R.O.W.
OFFSET 73.60

FG EL. 1825.47

FG EL. 1825.82

0.008 -0.004

0.008 -0.004

OFFSET 8.89
EL. 1824.54

EL. 1824.44
OFFSET 8.69

OFFSET -30.56
EL. 1827.59

OFFSET -12.45
EL. 1824.81

EL. 1823.81

EL. 1823.74

EL. 1824.71
OFFSET 12.43

EL. 1824.88
OFFSET 19.93

4:1

3:1

-0.001 0.001

-0.001 0.001

-0.009 0.009

-0.009 0.009

CUT 121
FILL 0

HOLLOW

BEGIN STA. 313+25.00
END STA. 313+50.00

1840 1830 1820 1810 1850 1840 1830 1820 1860 1850 1840 1830 1820 1810

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.	2020	STP/NH/HPP-28(32)	51
PIH	2026	STP/NH/HPP-28(32)	T1
PS&E	2026	STP/NH/HPP-28(32)	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 3.5 INCHES, THE CONTRACTOR MAY USE WARNING SIGNS AND/OR PROTECTIVE DEVICES AS APPLICABLE AND APPROVED BY THE ENGINEER. SEE PARAGRAPH a REGARDING USE OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) WILL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

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

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

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

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

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

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

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

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

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

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

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

   SEPARATION WILL BE PROVIDED BY USE OF PORTABLE BARRIER RAIL.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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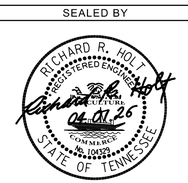

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL

IB-17-11

3/31/2026

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TRAFFIC CONTROL PHASING NOTES

PHASE 1

1) INSTALL PHASE 1 TRAFFIC CONTROL SIGNS AND PORTABLE BARRIER RAIL.
2) CONSTRUCT THE LEFT AND RIGHT TRANSITIONS.
3) CONSTRUCT DETOUR 1.
4) INSTALL TEMPORARY STRIPING ON THE TRANSITIONS AND DETOUR 1.

PHASE 2

1) INSTALL PHASE 2 TRAFFIC CONTROL SIGNS, CHANNELIZING DRUMS, AND PORTABLE BARRIER RAIL.
2) MAINTAIN TRAFFIC ON THE TEMPORARY TRANSITIONS, DETOUR 1, AND THE EXISTING FACILITY.
3) CONSTRUCT THE PROPOSED FACILITY FROM THE BEGINNING OF PROJECT THROUGH STA. 1311+00.00.
4) CONSTRUCT THE PROPOSED FACILITY FROM STA. 1347+00.00 THROUGH THE END OF PROJECT.
5) CONSTRUCT DETOUR 2 AND DETOUR 3.
6) INSTALL TEMPORARY STRIPING ON DETOUR 2 AND DETOUR 3.

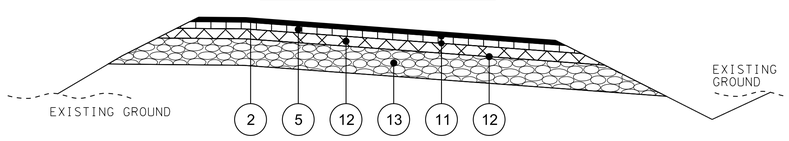
PHASE 3

1) INSTALL PHASE 3 TRAFFIC CONTROL SIGNS, CHANNELIZING DRUMS, AND PORTABLE BARRIER RAIL.
2) MAINTAIN TRAFFIC ON THE NEWLY CONSTRUCTED FACILITY, DETOUR 1, AND DETOUR 2.
3) REMOVE THE LEFT AND RIGHT TRANSITIONS.
4) REMOVE DETOUR 1.
5) CONSTRUCT THE REMAINDER OF THE PROPOSED FACILITY FROM STA. 1311+00.00 TO STA. 1347+00.00.
6) REMOVE DETOUR 2 AND 3.

NOTES

1) ACCESS TO RESIDENCES AND BUSINESS MUST BE PROVIDED AT ALL TIMES.

DETOUR PAVEMENT SCHEDULE



TRANSITION LT
TRANSITION RT
DETOUR 1
DETOUR 2
DETOUR 3

(2) **ASPHALTIC CONCRETE SURFACE @ 1.25" THICK (APPROX. 132.5 LB./S.Y.)** 411-01.10 ACS MIX (PG64-22) GRADING "D"
(5) **BITUMINOUS BINDER COURSE @ 2.00" THICK (APPROX. 226 LB./S.Y.)** 307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "B-M2"
(11) **TACK COAT** 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) NOTE: SEE 403.05 FOR DETERMINING APLICATION RATE IN THE FIELD
(12) **BITUMINOUS BINDER COURSE @ 3.00" THICK (APPROX. 345 LB./S.Y.)** 307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "A"
(13) **MINERAL AGGREGATE 8" THICK (APPROX. 645 LB./S.Y.)** 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"



(1) W20-1 48" X 48"
(2) W20-1 48" X 48"
(3) W20-1 48" X 48"
(4) G20-2 48" X 24"
(5) W1-4L 48" X 48"
(6) G20-1 36" X 18"
(7) W13-1P 24" X 24"
(8) R2-1 30" X 36"
(9) W1-4R 48" X 48"
(10) W20-1 36" X 36"
(11) G20-2 36" X 18"
(12) R1-1 36" X 36"



(13) TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS
SEE TDOT STANDARD DRAWING T-S-18

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER
TEMP. PIPE (AS DIRECTED BY ENGINEER)	TEMPORARY CONNECTIONS FOR ALL DRIVEWAYS AND SIDEROADS SHALL BE MAINTAINED AT ALL TIMES WITH DRIVEABLE GRADES & SURFACES

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	51A
PIH	2026	STP/NH/HPP-28(32)	T2
PS&E	2026	STP/NH/HPP-28(32)	T2

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	M.U.T.C.D. NO.	UNITS	PHASE 1	PHASE 2	PHASE 3	MAX. OR TOTAL
621-03.02	18" TEMPORARY DRAINAGE PIPE	------	L.F.		21		21
621-03.03	24" TEMPORARY DRAINAGE PIPE	------	L.F.		20		20
712-01	TRAFFIC CONTROL	------	L.S.	0.6	0.6	0.6	0.6
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	------	L.F.	445	2500	9930	9930
712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	------	EA.	2	4	14	14
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	------	EA.		274	140	274
712-04.50	PORTABLE BARRIER RAIL DELINEATOR	------	EA.	25	130	500	500
712-05.01	WARNING LIGHTS (TYPE A)	------	EA.	4	64	40	64
712-06	SIGNS (CONSTRUCTION)	G20-1	S.F.	9			9
		G20-2	S.F.	8	41	23	41
		R1-1	S.F.		6	6	6
		R2-1	S.F.		23	8	23
		R11-2	S.F.	20	320	240	320
		W13-1P	S.F.		16		16
		W1-4L	S.F.		48		48
		W1-4R	S.F.		32		32
		W20-1	S.F.	96	129	45	129
712-06	TOTAL SQUARE FOOTAGE SIGNS						623
712-07.03	TEMPORARY BARRICADES (TYPE III)	------	L.F.	24	360	240	360
712-09.02	REMOVABLE PAVEMENT MARKING (8" BARRIER LINE)	------	L.F.	445	2500	9930	12875
713-16.01	CHANGEABLE MESSAGE SIGN UNIT	------	EA.	4	4	4	4
716-01.07	TEMPORARY RAISED PAVEMENT MARKER, YELLOW	------	EA.		45	125	170
716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	------	L.M		1	10	11

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PHASING NOTES, LEGEND AND TABULATION

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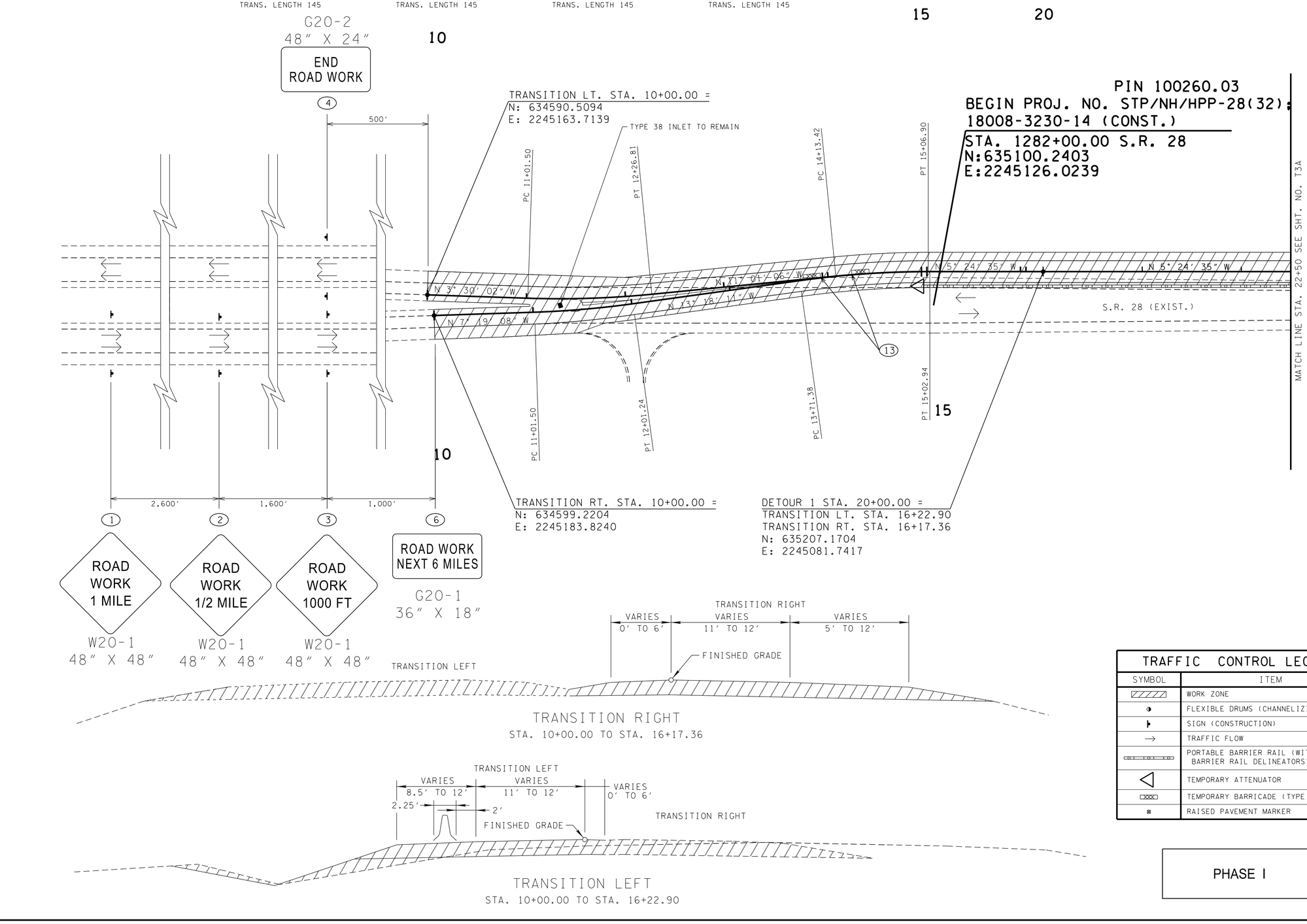
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	52
PIH	2026	STP/NH/HPP-28(32)	T3
PS&E	2026	STP/NH/HPP-28(32)	T3

CURVE SB_TRANSLT-1
PI 11+64.24
N 634,754.4477
E 2,245,153.6854
Δ 7° 31′ 04″ (LT)
D 5° 59′ 58″
R 955.00
L 125.31
T 62.74
SE 0.052 FT/FT
DESIGN SPEED 35 MPH
TRANS. LENGTH 145

CURVE SB_TRANSLT-2
PI 14+60.20
N 635,045.1212
E 2,245,097.0875
Δ 5° 36′ 31″ (RT)
D 5° 59′ 58″
R 955.00
L 93.48
T 46.78
SE 0.052 FT/FT
DESIGN SPEED 35 MPH
TRANS. LENGTH 145

CURVE SB_TRANSRT-1
PI 11+51.42
N 634,749.4030
E 2,245,164.5349
Δ 5° 59′ 03″ (LT)
D 5° 59′ 58″
R 955.00
L 99.74
T 49.92
SE 0.052 FT/FT
DESIGN SPEED 35 MPH
TRANS. LENGTH 145

CURVE SB_TRANSRT-2
PI 14+37.26
N 635,027.6679
E 2,245,098.7403
Δ 7° 53′ 36″ (RT)
D 5° 59′ 58″
R 955.00
L 131.56
T 65.89
SE 0.052 FT/FT
DESIGN SPEED 35 MPH
TRANS. LENGTH 145



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER

PHASE I

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
05.30.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

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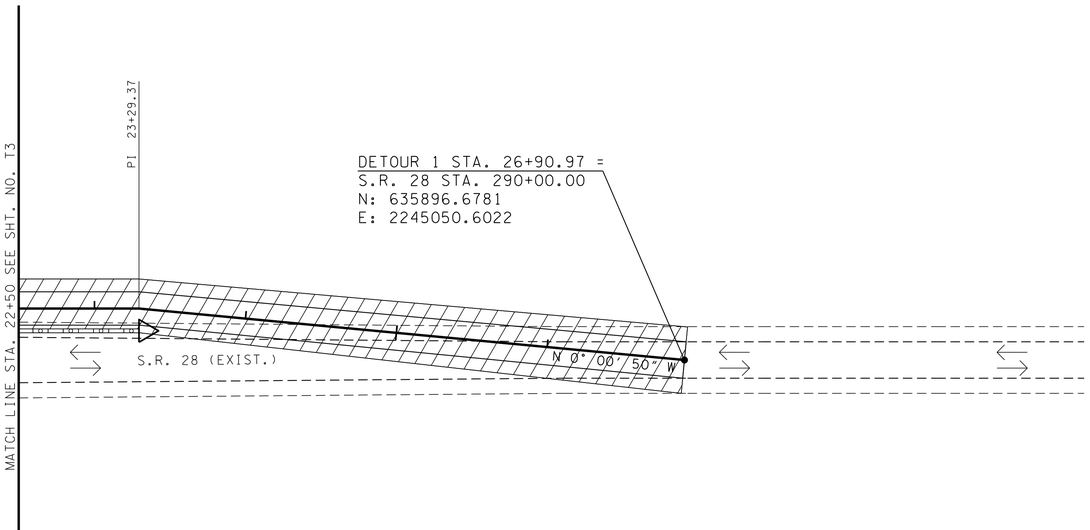
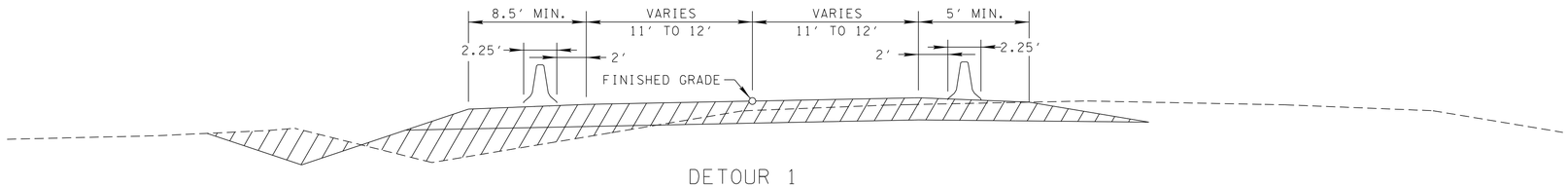
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	52A
PIH	2026	STP/NH/HPP-28(32)	T3A
PS&E	2026	STP/NH/HPP-28(32)	T3A

N

25





DETOUR 1

STA. 20+00.00 TO STA. 26+90.97

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

PHASE I

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
05.20.26
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

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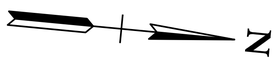
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53
PIH	2026	STP/NH/HPP-28(32)	T4
PS&E	2026	STP/NH/HPP-28(32)	T4



PIN 100260.03 1280

BEGIN PROJ. NO. STP/NH/HPP-28(32);
18008-3230-14 (CONST.)

STA. 1282+00.00 S.R. 28
N:635100.2403
E:2245126.0239

SPEED LIMIT 55

END ROAD WORK

R2-1
30" X 36"

G20-2
48" X 24"

TRANSITION LT. STA. 10+00.00 =
N: 634590.5094
E: 2245163.7139

TRANSITION RT. STA. 10+00.00 =
N: 634599.2204
E: 2245183.8240

DETOUR 1 STA. 20+00.00 =
TRANSITION LT. STA. 16+22.90
TRANSITION RT. STA. 16+17.36
N: 635207.1704
E: 2245081.7417

TYPE 38 INLET TO REMAIN

4" SSYL

8" SSWL

4" DSYL

N 3° 30' 02" W

N 7° 19' 08" W

N 11° 01' 06" W

N 13° 18' 11" W

N 5° 24' 35" W

P.L. & S.R. 28

HUBERT CONLEY RD.

35' TYP.

40' TYP.

500'

300'

2,600'

1,600'

MATCH LINE STA. 1284+00 SEE SHT. NO. T4A

ROAD WORK 1 MILE

W20-1
48" X 48"

ROAD WORK 1/2 MILE

W20-1
48" X 48"

ROAD WORK 1000 FT

W20-1
48" X 48"

W1-4L
48" X 48"

35 MPH

W13-1P
24" X 24"

ROAD WORK NEXT 6 MILES

G20-1
36" X 18"

W1-4R
48" X 48"

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER
TEMP. SIDE (AS DIRECTED BY ENGINEER)	TEMPORARY CONNECTIONS FOR ALL DRIVEWAYS AND SIDEROADS SHALL BE MAINTAINED AT ALL TIMES WITH DRIVEABLE GRADES & SURFACES

PHASE II

SEALED BY

RICHARD R. HOLT REGISTERED ENGINEER LICENSED TO PRACTICE IN TENNESSEE No. 109253 STATE OF TENNESSEE
05.20.26

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

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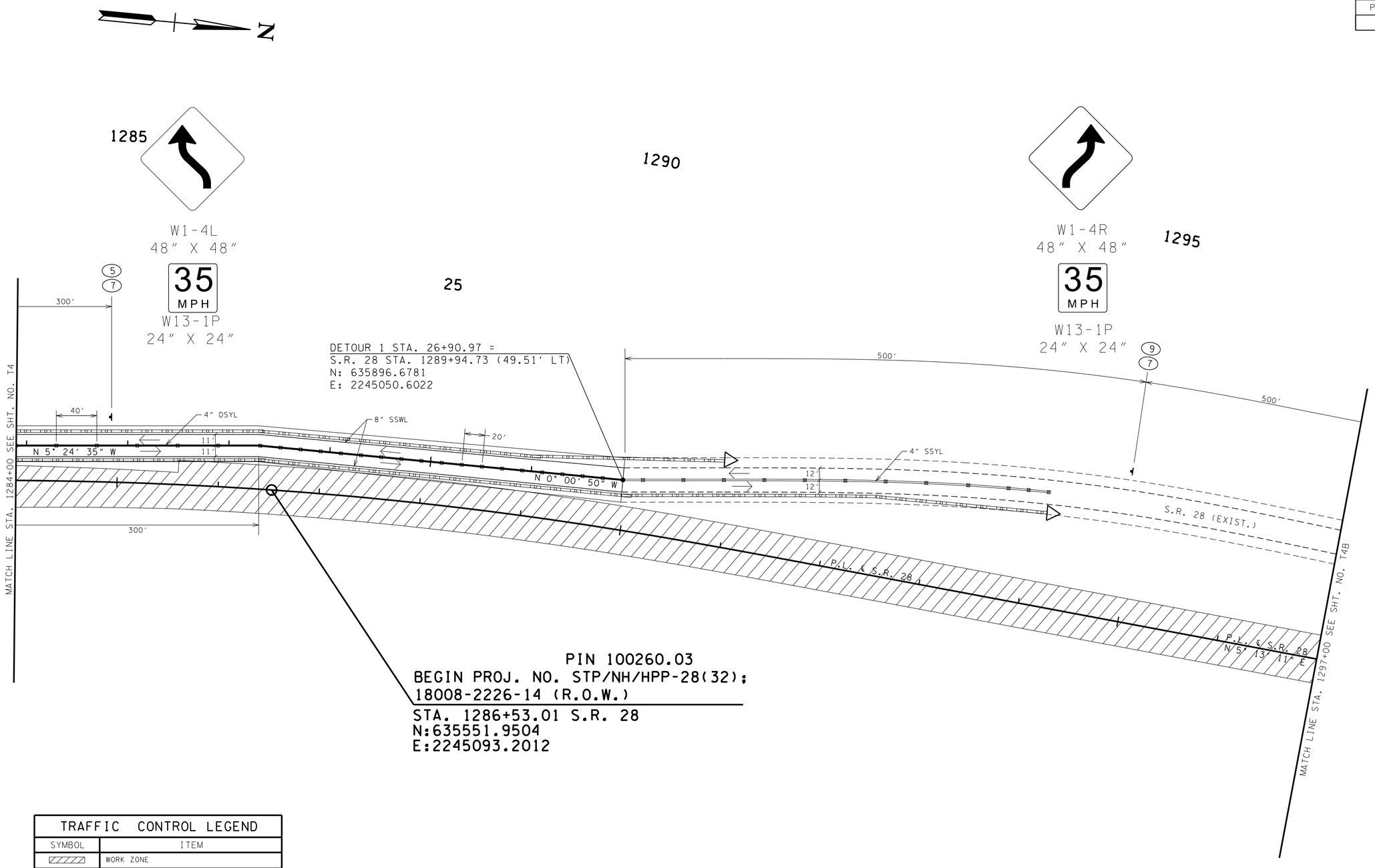
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53A
PIH	2026	STP/NH/HPP-28(32)	T4A
PS&E	2026	STP/NH/HPP-28(32)	T4A



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

PHASE II

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
CULTURE
COMMERCE
No. 104329
STATE OF TENNESSEE
04.07.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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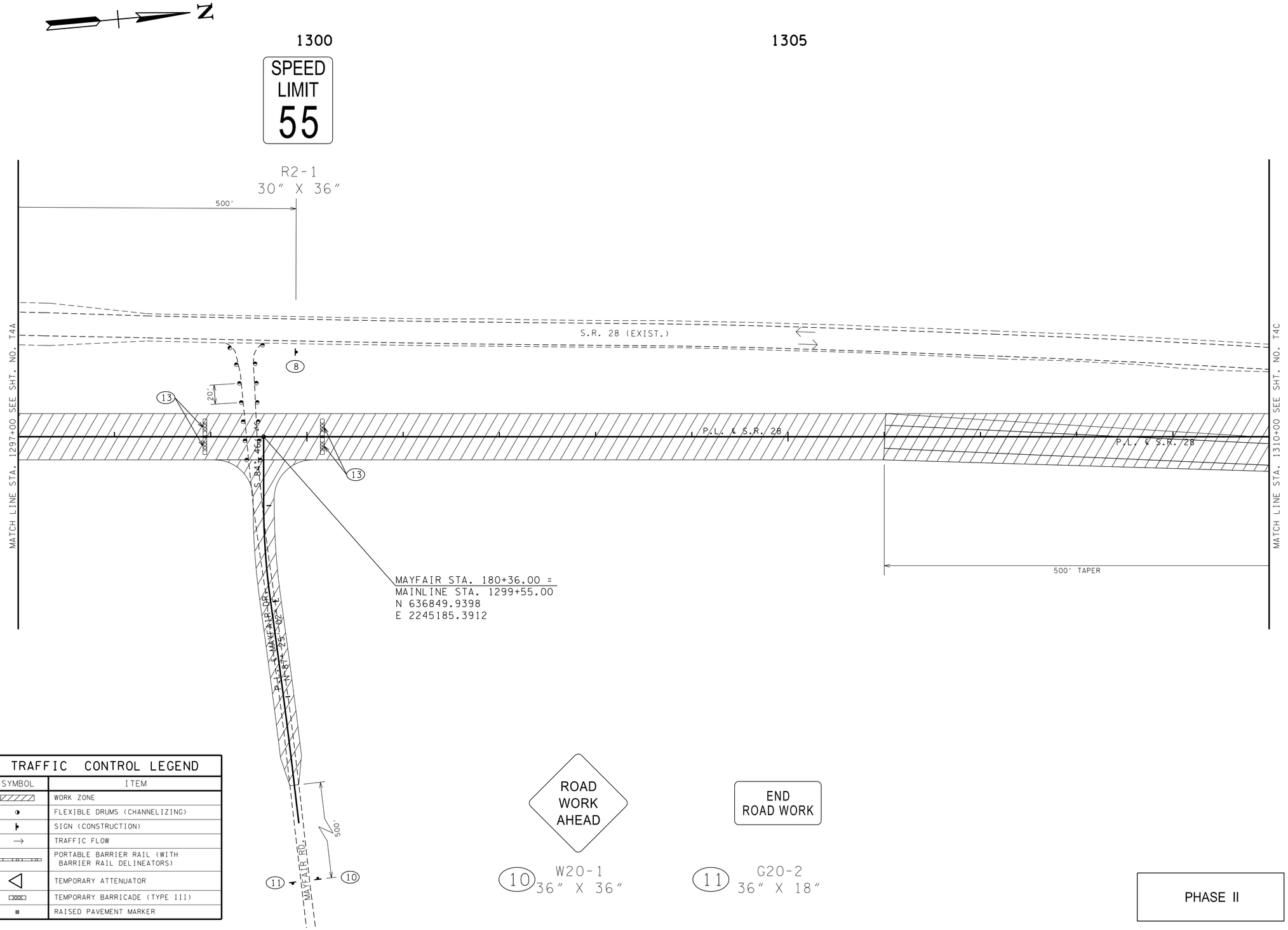
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53B
PIH	2026	STP/NH/HPP-28(32)	T4B
PS&E	2026	STP/NH/HPP-28(32)	T4B



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER

PHASE II

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
No. 104329
STATE OF TENNESSEE
04.07.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53C
PIH	2026	STP/NH/HPP-28(32)	T4C
PS&E	2026	STP/NH/HPP-28(32)	T4C

CURVE DETOUR 2
PI 40+98.56
N 639,082.1076
E 2,245,412.4064
Δs 12° 11′ 12″ (LT)
θs 3° 31′ 30″
Δc 5° 08′ 12″ (LT)
Dc 3° 00′ 00″
Rc 1,909.86
Lc 171.22
Ts 321.49
Ls 235.00
SE 0.068 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 235

ROAD WORK AHEAD

(10) W20-1
36″ X 36″

END ROAD WORK

(11) G20-2
36″ X 18″

1315

1320

30

35

40

215

MATCH LINE STA. 1310+00 SEE SHT. NO. T4B

MATCH LINE STA. 1323+00 SEE SHT. NO. T4D

S.R. 28 (EXIST.)

P.L. ℄ BYERS
S 75° 47′ 21″ E

BYERS RD.

N 89° 10′ 17″ E

P.L. ℄ BYERS
S 84° 46′ 49″ E

500′

55′ TYP.

P.L. ℄ S.R. 28
N 5° 13′ 11″ E

P.L. ℄ DETOUR 2
N 5° 13′ 11″ E

500′ TAPER

DETOUR 2 STA. 30+00.00 =
S.R. 28 STA. 1311+00.00 (23.00′ RT)
N: 637988.0992
E: 2245312.4634

BYERS STA. 215+87.10 =
S.R. 28 CONST. ℄ STA. 1316+55.00
N 638542.8901
E 2245340.0505

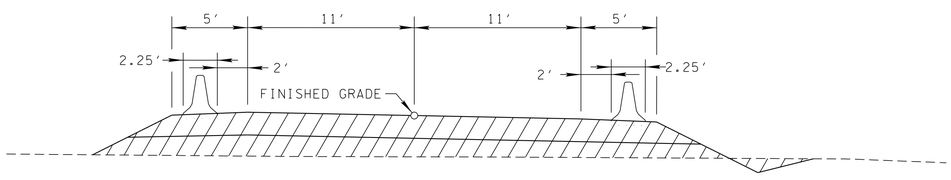
TS 37+77.07

SC 40+12.07

CS 41+83.29

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER



DETOUR 2
STA. 30+00.00 TO STA. 44+52.50

PHASE II

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53D
PIH	2026	STP/NH/HPP-28(32)	T4D
PS&E	2026	STP/NH/HPP-28(32)	T4D

N

1330

230

1325

1335

45

RECTOR STA. 233+63.78 =
S.R. 28 CONST. ℄ STA. 1329+51.00
N 639818.9754
E 2245178.8082

P.I. ℄ RECTOR
S 88° 40' 13" E

MATCH LINE STA. 1323+00 SEE SHT. NO. T4C

MATCH LINE STA. 1336+00 SEE SHT. NO. T4E

11

10

500'

RECTOR RD.

P.L. ℄ S.R. 28
N 12° 58' 58" W

P.I. ℄ GOSS
N 77° 01' 02" E

55' TYP.

P.L. ℄ DETOUR 2
N 6° 58' 01" W

GOSS STA. 240+00.00 =
S.R. 28 CONST. ℄ STA. 1329+51.00
N 639818.9754
E 2245178.8082

ST 44+18.29

DETOUR 2 STA. 44+52.50 =
S.R. 28 STA. 1325+34.23 (99.36' RT)
N: 639435.1831
E: 2245369.2610

GOSS RD.

500'

S.R. 28 (EXIST.)

N 3° 38' 36" W

P.I. ℄ OLD S.R. 28
N 84° 25' 13" E

11

10

S 85° 05' 52" E

305

OLD S.R. 28 SOUTH STA. 300+00.00 =
GOSS STA. 242+05.00
N 639858.3600
E 2245379.7285

245

ROAD WORK AHEAD

END ROAD WORK

10 W20-1 36" X 36"

11 G20-2 36" X 18"

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

PHASE II

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
No. 120295
STATE OF TENNESSEE

04.01.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER

ROAD WORK AHEAD

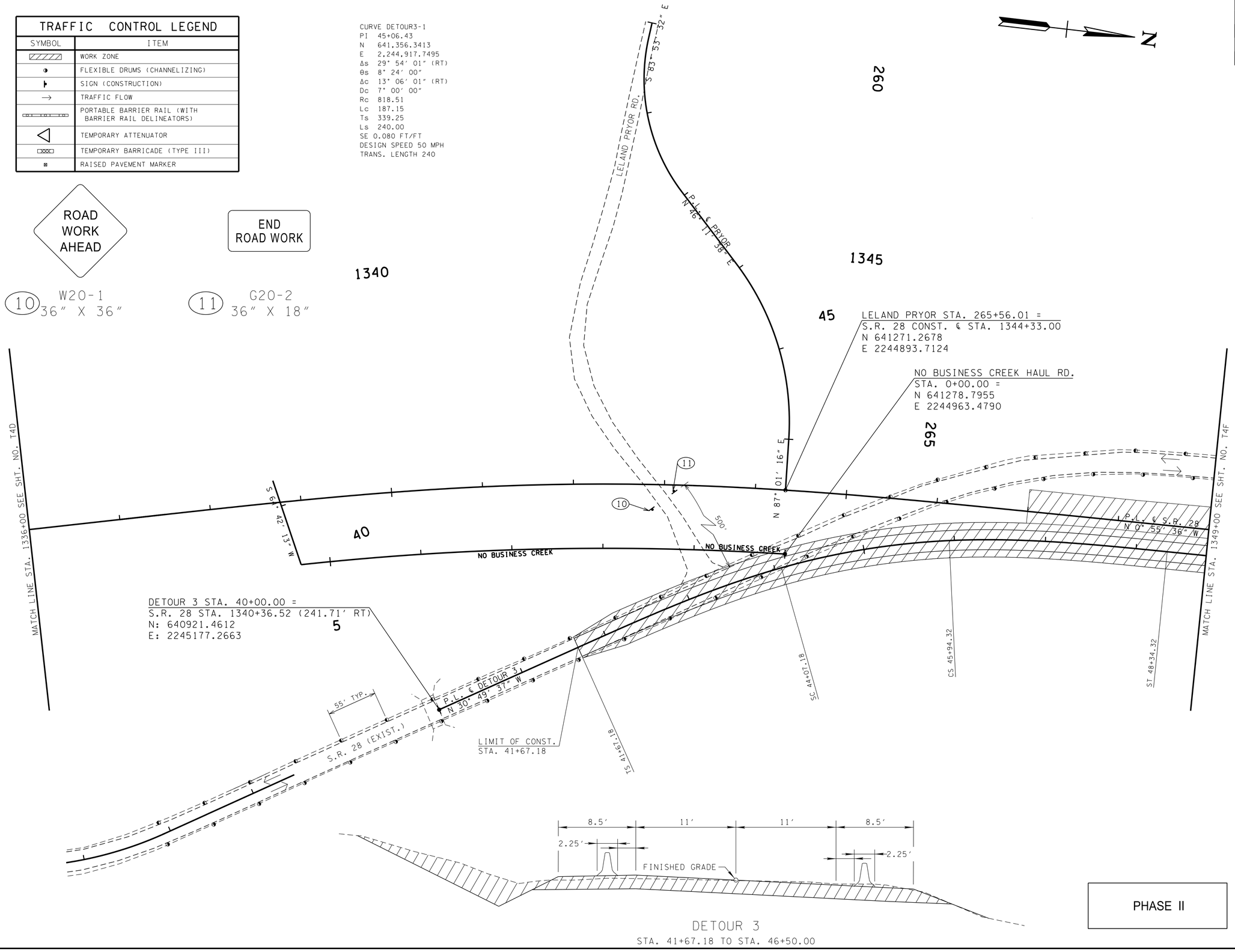
(10) W20-1 36" X 36"

END ROAD WORK

(11) G20-2 36" X 18"

CURVE DETOUR3-1
PI 45+06.43
N 641,356.3413
E 2,244,917.7495
Δs 29° 54' 01" (RT)
θs 8° 24' 00"
Δc 13° 06' 01" (RT)
Dc 7° 00' 00"
Rc 818.51
Lc 187.15
Ts 339.25
Ls 240.00
SE 0.080 FT/FT
DESIGN SPEED 50 MPH
TRANS. LENGTH 240

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53E
PIH	2026	STP/NH/HPP-28(32)	T4E
PS&E	2026	STP/NH/HPP-28(32)	T4E



DETOUR 3
STA. 41+67.18 TO STA. 46+50.00

PHASE II

SEALED BY

RICHARD R. HOLT REGISTERED ENGINEER 04.07.26 STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53F
PIH	2026	STP/NH/HPP-28(32)	T4F
PS&E	2026	STP/NH/HPP-28(32)	T4F

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER

CURVE DETOUR3-2
PI 53+38.34
N 642,199.5024
E 2,244,904.1130
Δs 5° 42′ 29″ (RT)
θs 2° 42′ 00″
Δc 0° 18′ 29″ (RT)
Dc 3° 00′ 00″
Rc 1,909.86
Lc 10.27
Ts 185.24
Ls 180.00
SE 0.053 FT/FT
DESIGN SPEED 50 MPH
TRANS. LENGTH 180

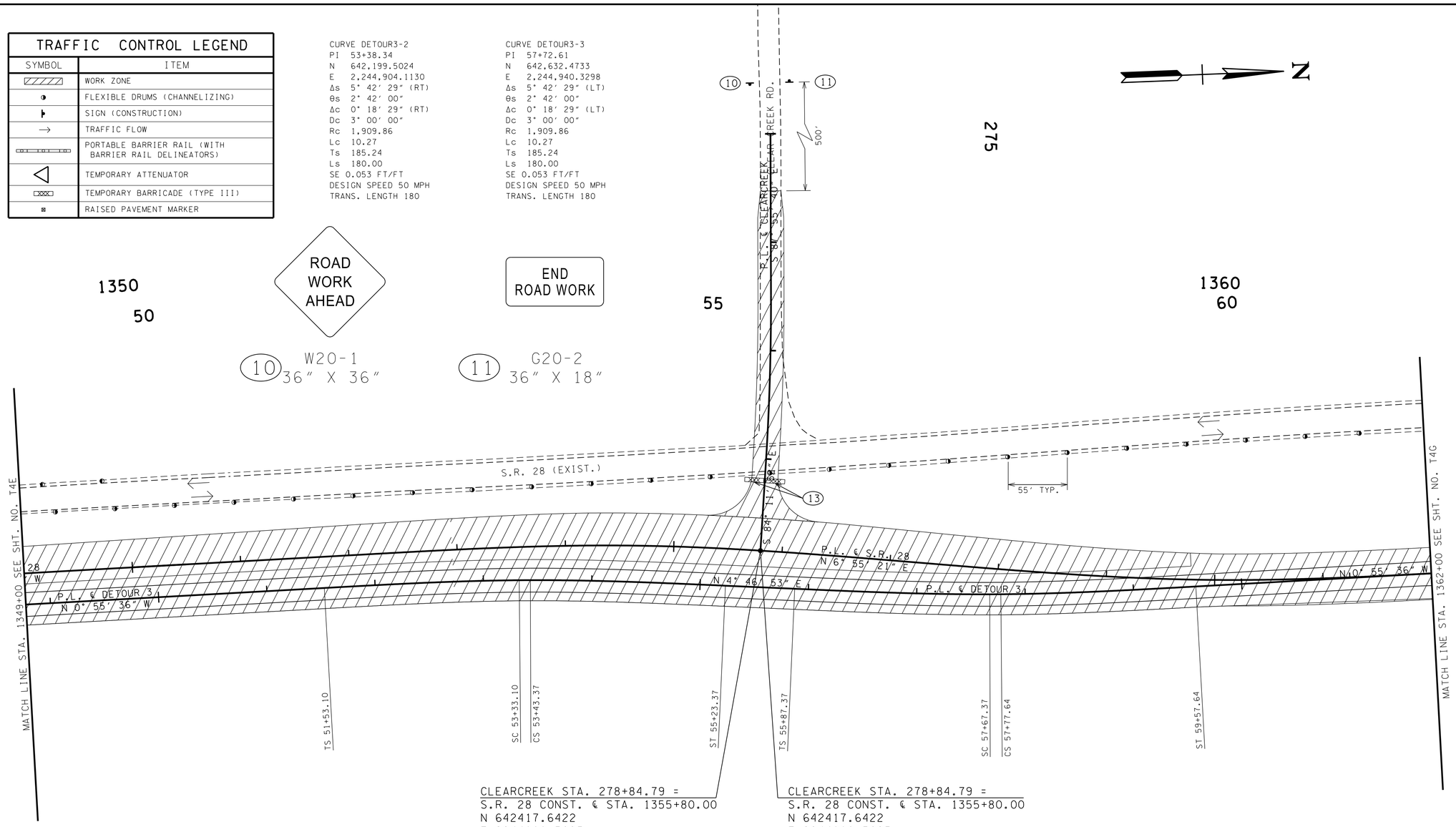
CURVE DETOUR3-3
PI 57+72.61
N 642,632.4733
E 2,244,940.3298
Δs 5° 42′ 29″ (LT)
θs 2° 42′ 00″
Δc 0° 18′ 29″ (LT)
Dc 3° 00′ 00″
Rc 1,909.86
Lc 10.27
Ts 185.24
Ls 180.00
SE 0.053 FT/FT
DESIGN SPEED 50 MPH
TRANS. LENGTH 180

ROAD WORK AHEAD

END ROAD WORK

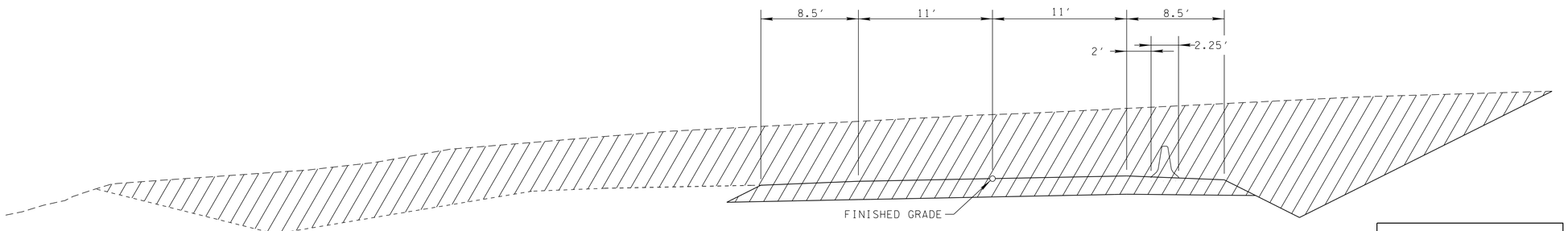
(10) W20-1 36″ X 36″

(11) G20-2 36″ X 18″



CLEARCREEK STA. 278+84.79 =
S.R. 28 CONST. ℄ STA. 1355+80.00
N 642417.6422
E 2244888.5095

CLEARCREEK STA. 278+84.79 =
S.R. 28 CONST. ℄ STA. 1355+80.00
N 642417.6422
E 2244888.5095



DETOUR 3
STA. 46+50.00 TO STA. 62+14.40

PHASE II

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
COMMERCE
NO. 104329
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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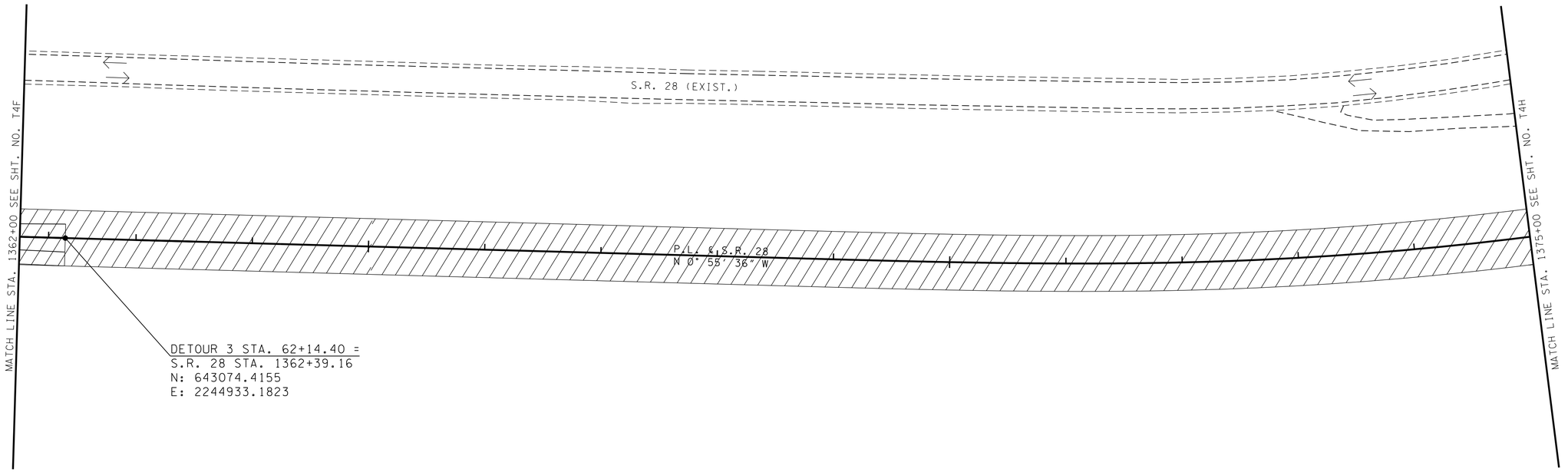
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53G
PIH	2026	STP/NH/HPP-28(32)	T4G
PS&E	2026	STP/NH/HPP-28(32)	T4G

N

1365

1370



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER

PHASE II

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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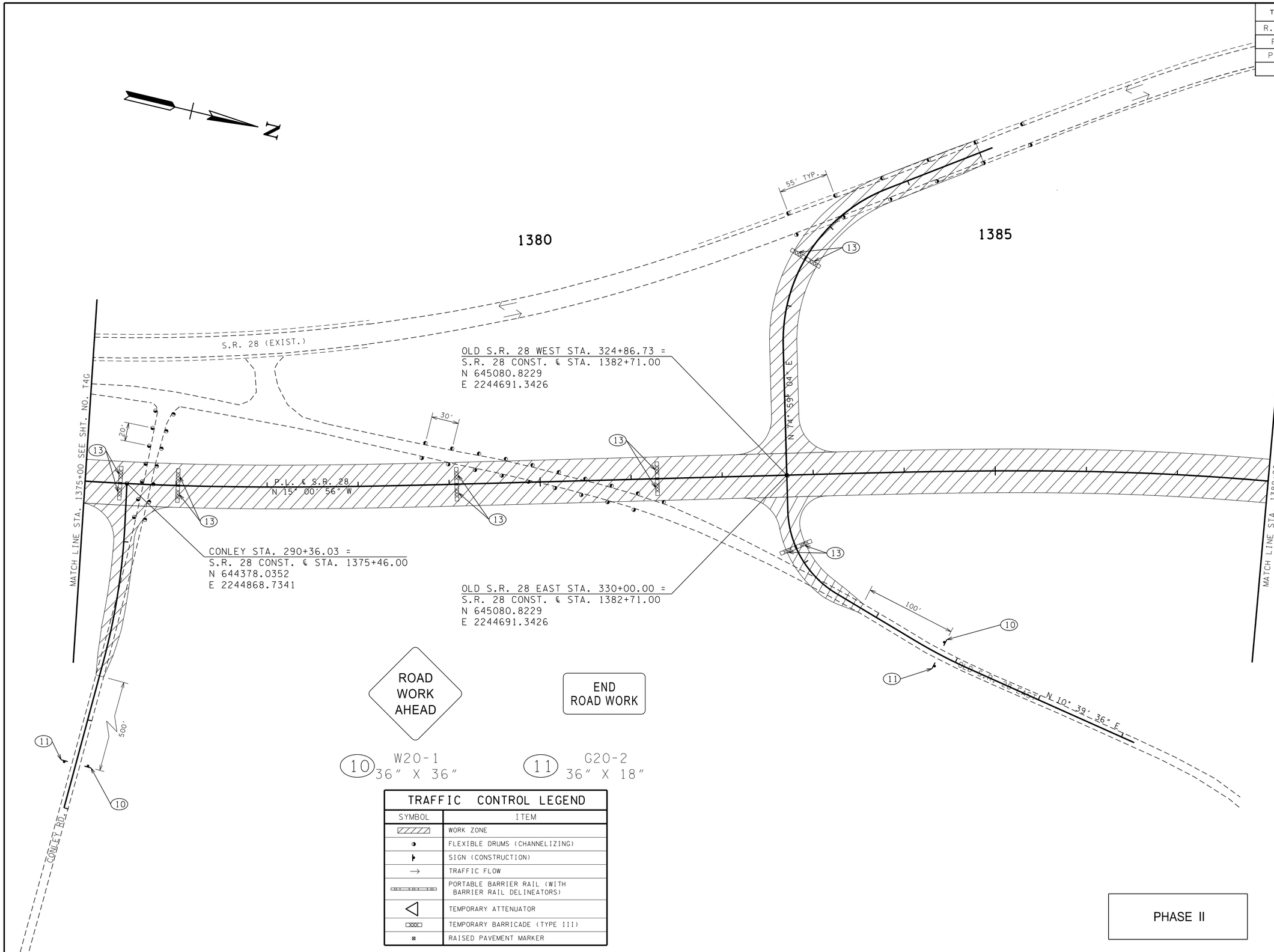
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53H
PIH	2026	STP/NH/HPP-28(32)	T4H
PS&E	2026	STP/NH/HPP-28(32)	T4H



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

PHASE II

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
04.07.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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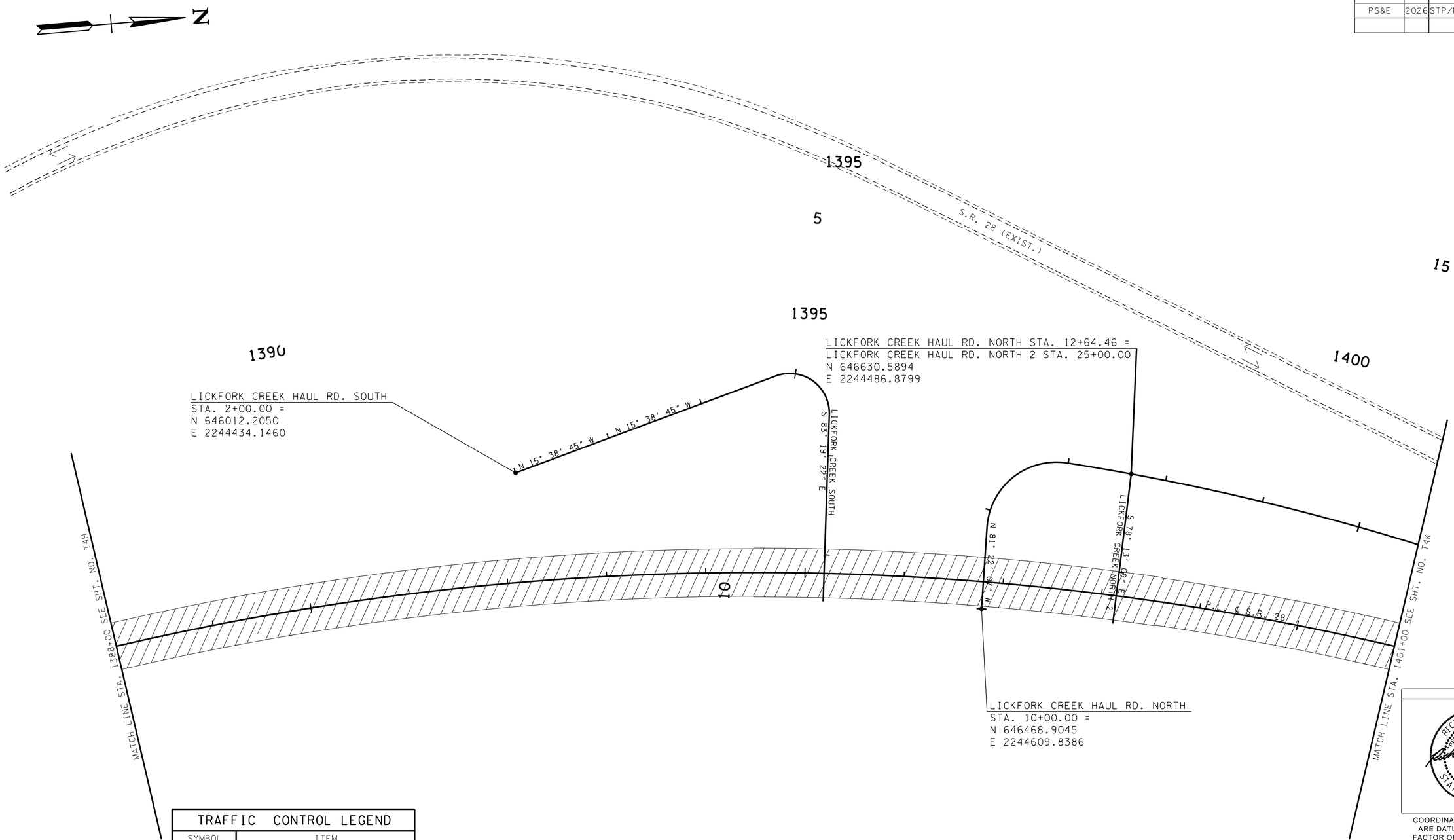
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53J
PIH	2026	STP/NH/HPP-28(32)	T4J
PS&E	2026	STP/NH/HPP-28(32)	T4J



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER

PHASE II

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
04.07.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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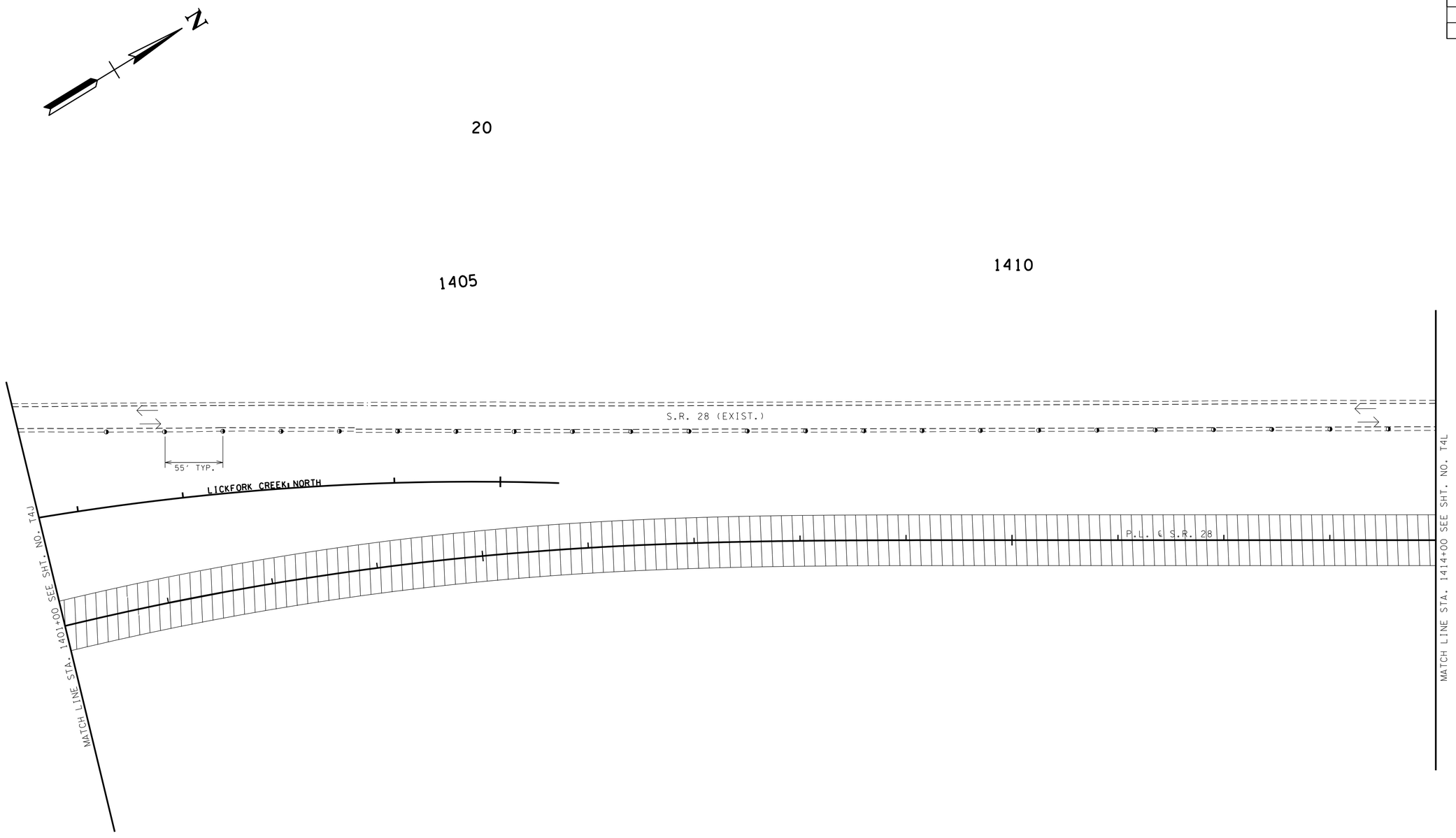
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53K
PIH	2026	STP/NH/HPP-28(32)	T4K
PS&E	2026	STP/NH/HPP-28(32)	T4K



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
◁	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER

PHASE II

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
CIVIL
COMMERCE
No. 104329
STATE OF TENNESSEE
04.07.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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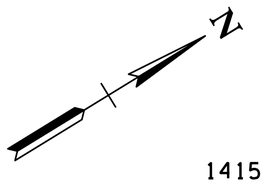
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53L
PIH	2026	STP/NH/HPP-28(32)	T4L
PS&E	2026	STP/NH/HPP-28(32)	T4L



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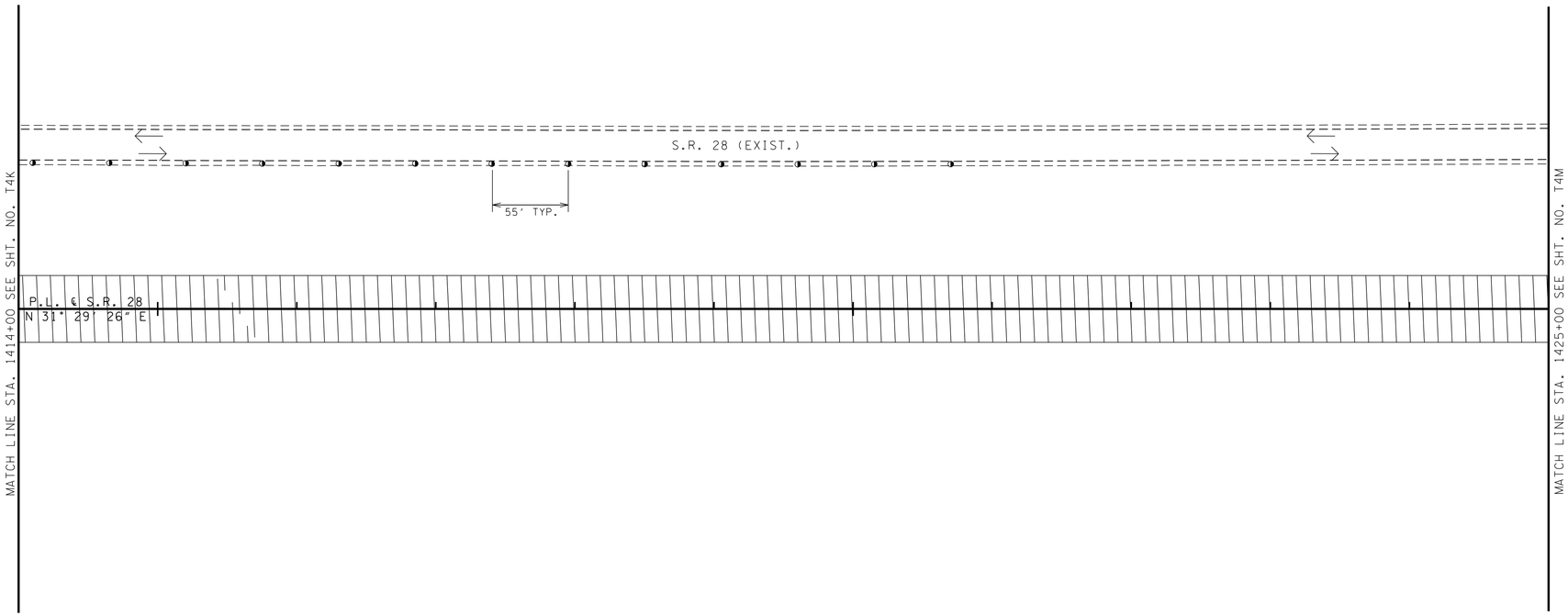

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER

PHASE II

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
04.01.26
No. 109351
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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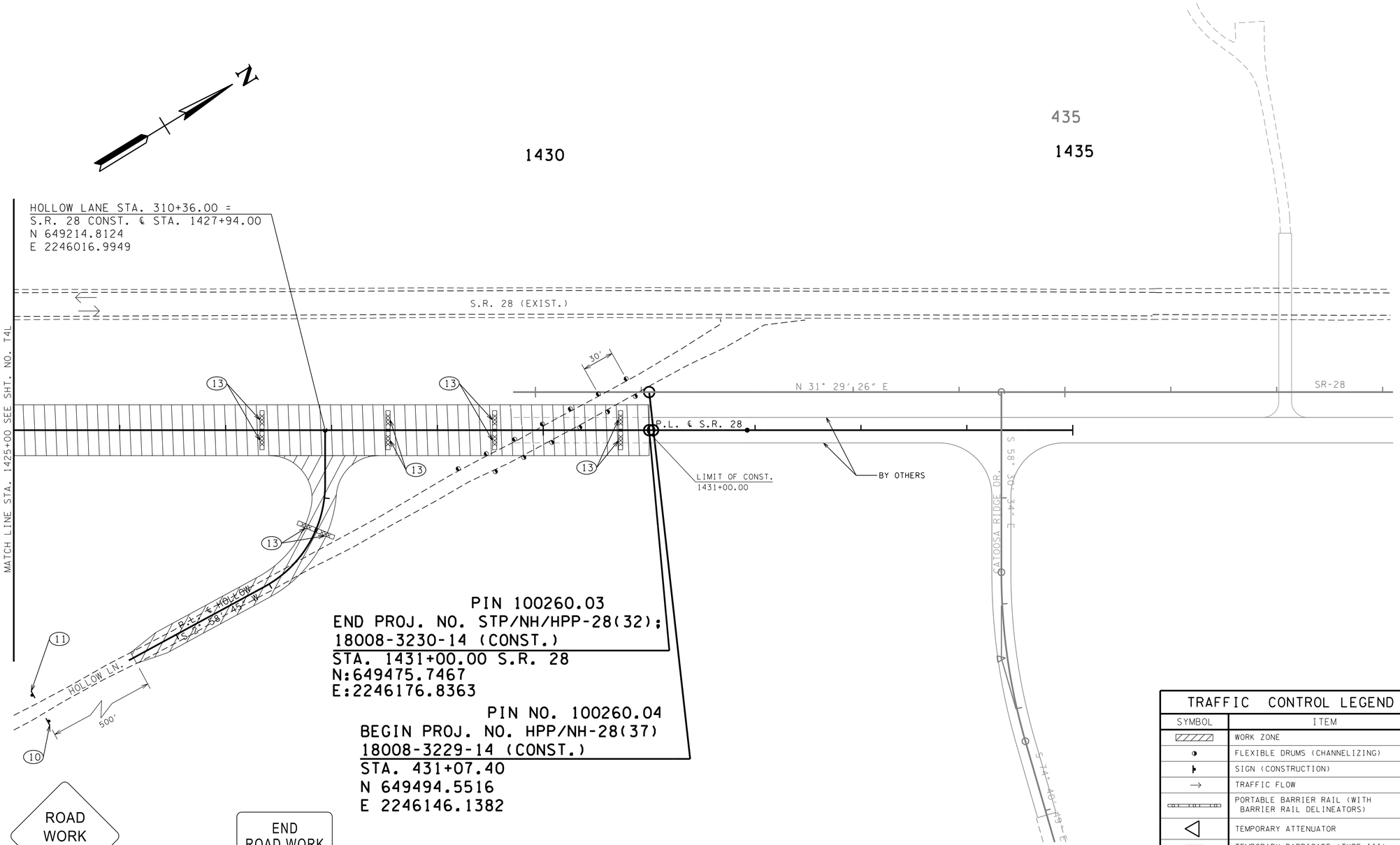
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53M
PIH	2026	STP/NH/HPP-28(32)	T4M
PS&E	2026	STP/NH/HPP-28(32)	T4M



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

PHASE II

SEALED BY

RICHARD R. HOLT REGISTERED ENGINEER 06.02.26 STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

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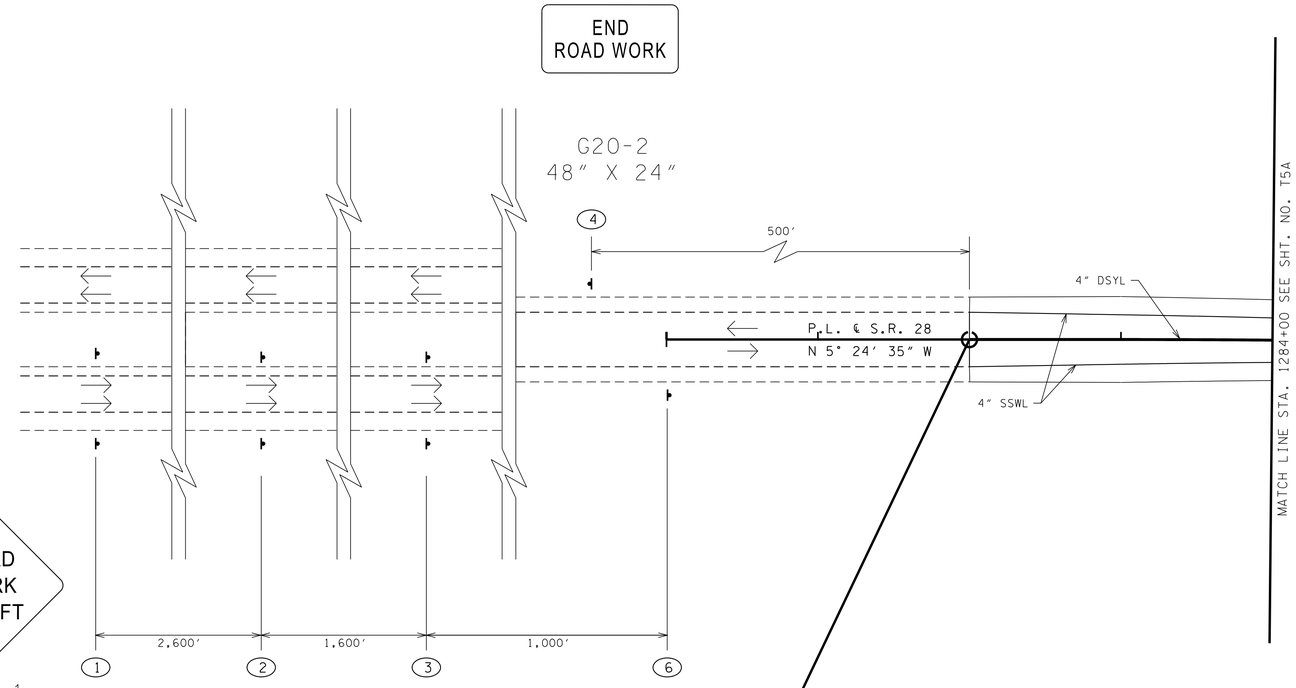
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54
PIH	2026	STP/NH/HPP-28(32)	T5
PS&E	2026	STP/NH/HPP-28(32)	T5

N

1280



ROAD WORK 1 MILE

1 W20-1 48" X 48"

ROAD WORK 1/2 MILE

2 W20-1 48" X 48"

ROAD WORK 1000 FT

3 W20-1 48" X 48"

ROAD WORK NEXT 6 MILES

6 G20-1 36" X 18"

PIN 100260.03
BEGIN PROJ. NO. STP/NH/HPP-28(32);
18008-3230-14 (CONST.)
STA. 1282+00.00 S.R. 28
N:635100.2403
E:2245126.0239

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

PHASE III

SEALED BY

RICHARD R. HOLT REGISTERED ENGINEER 05.20.26 STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

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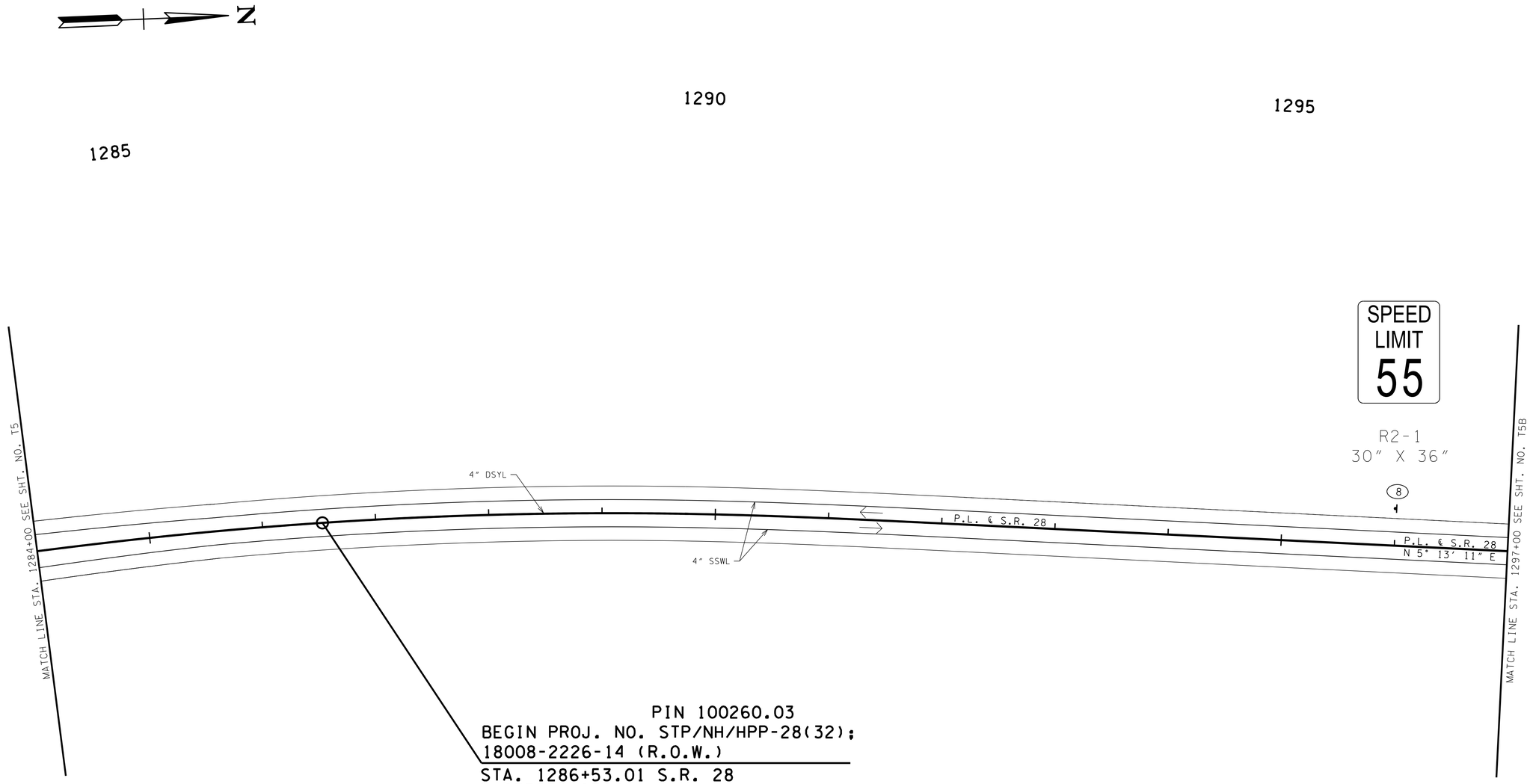
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54A
PIH	2026	STP/NH/HPP-28(32)	T5A
PS&E	2026	STP/NH/HPP-28(32)	T5A



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

PHASE III

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
ARCHITECTURE & ENGINEERING
COMMERCE
No. 104329
STATE OF TENNESSEE
04.07.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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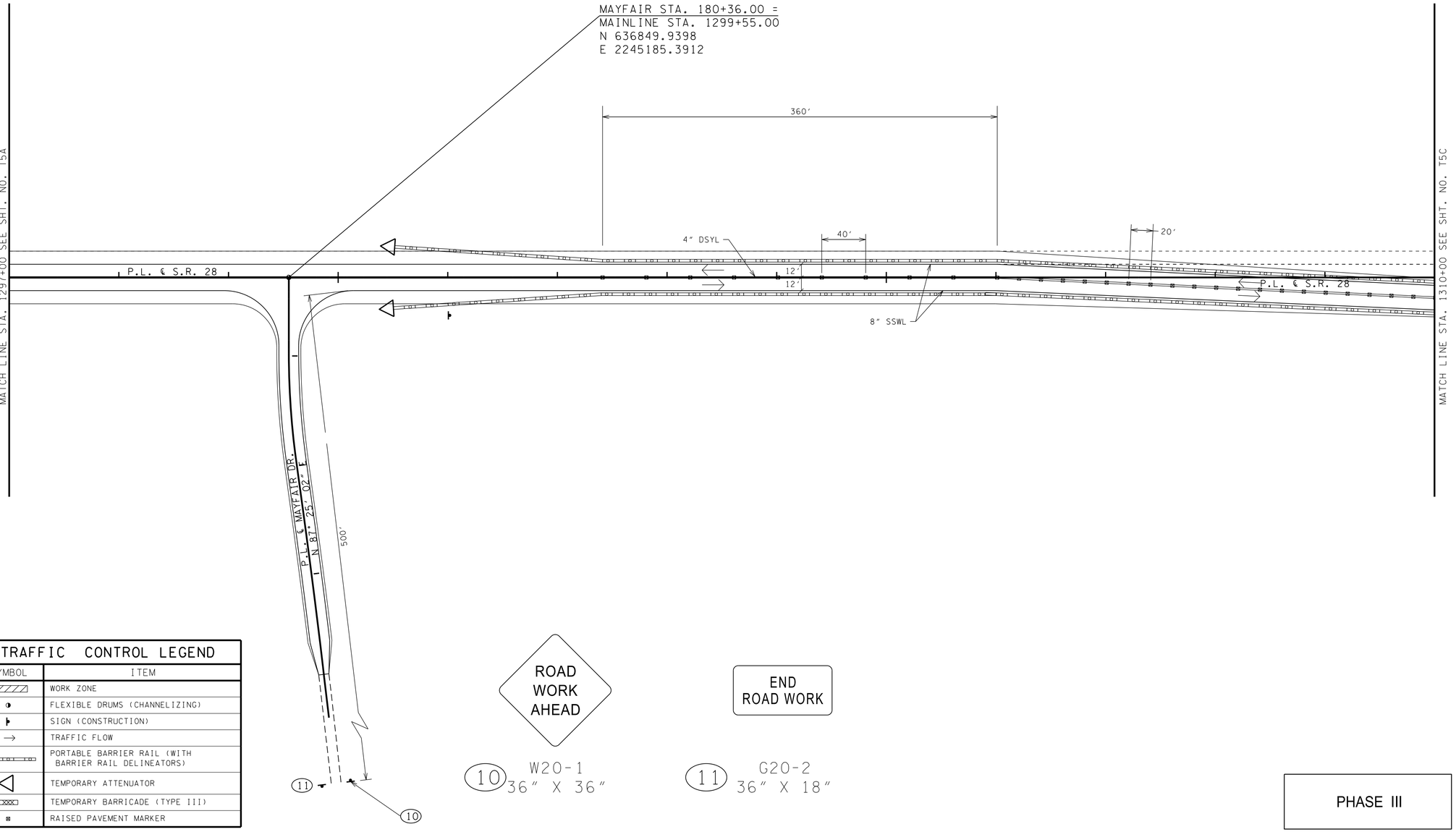
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54B
PIH	2026	STP/NH/HPP-28(32)	T5B
PS&E	2026	STP/NH/HPP-28(32)	T5B

1300

1305

1300



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

ROAD WORK AHEAD

(10) W20-1
36" X 36"

END ROAD WORK

(11) G20-2
36" X 18"

PHASE III

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
No. 104329
STATE OF TENNESSEE
04.07.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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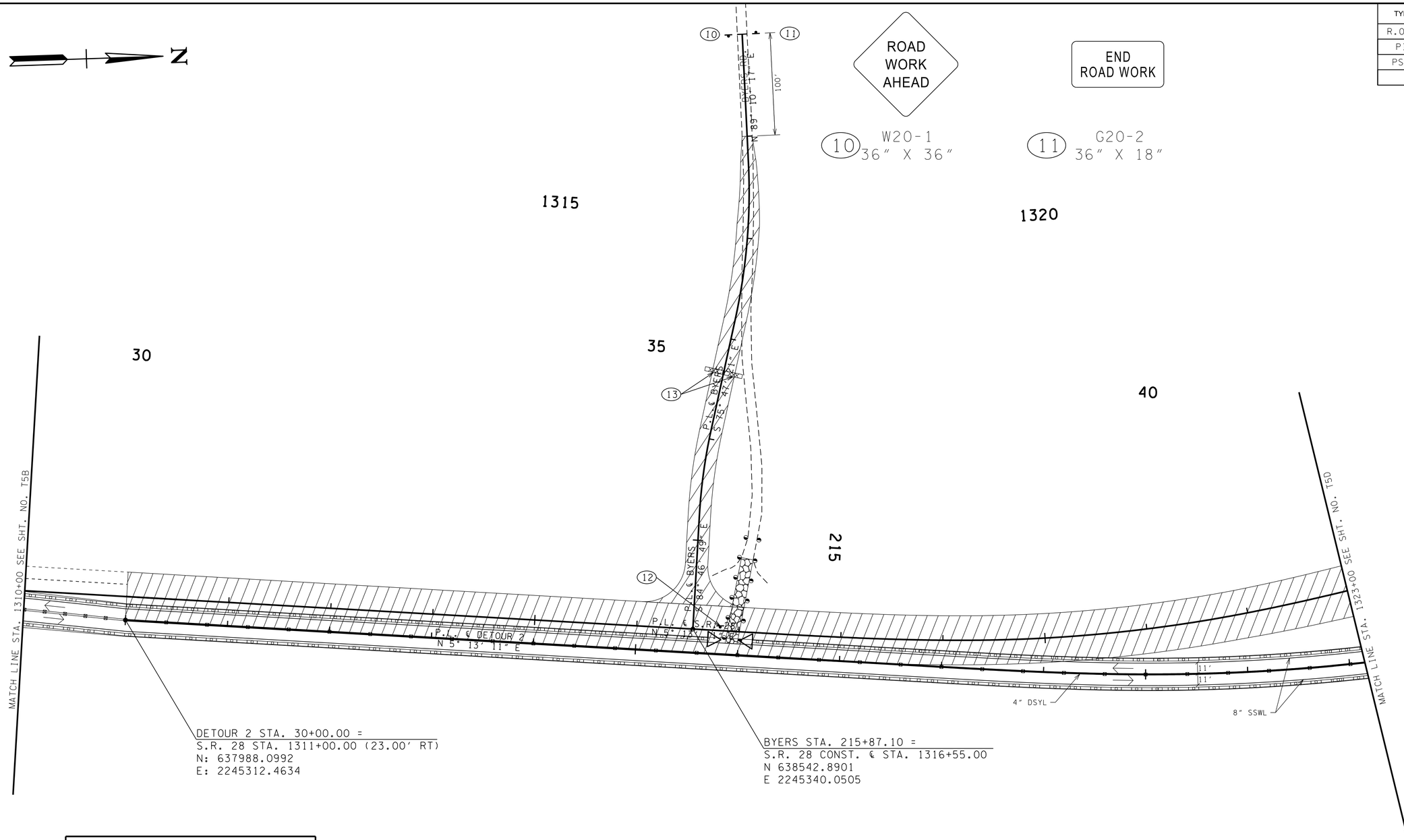
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54C
PIH	2026	STP/NH/HPP-28(32)	T5C
PS&E	2026	STP/NH/HPP-28(32)	T5C



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER
TEMP. PIPE (AS DIRECTED BY ENGINEER)	TEMPORARY CONNECTIONS FOR ALL DRIVEWAYS AND SIDEROADS SHALL BE MAINTAINED AT ALL TIMES WITH DRIVEABLE GRADES & SURFACES

PHASE III

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
LICENSED PROFESSIONAL ENGINEER
04.07.26
COMMERCE
No. 104329
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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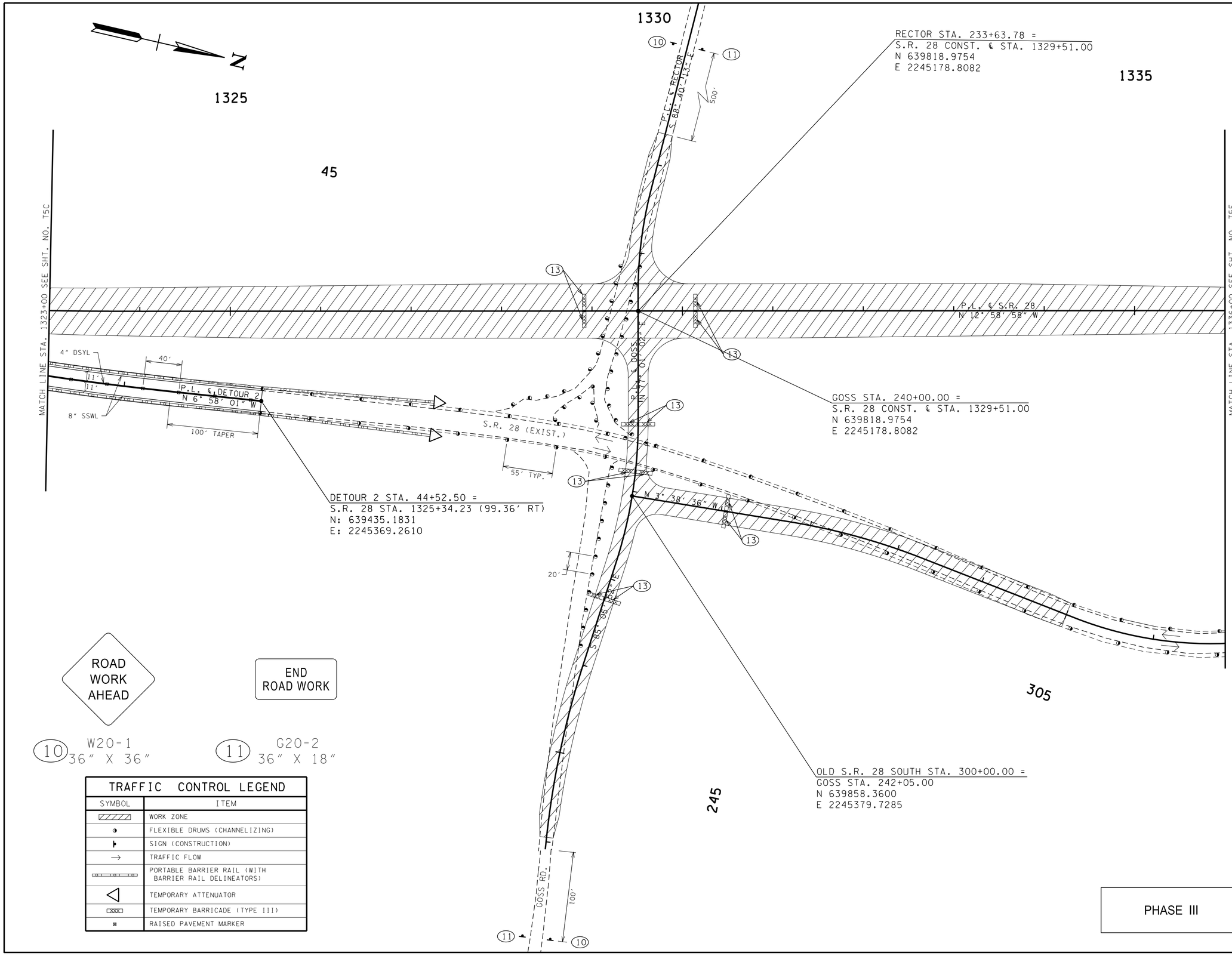
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54D
PIH	2026	STP/NH/HPP-28(32)	T5D
PS&E	2026	STP/NH/HPP-28(32)	T5D



ROAD WORK AHEAD

END ROAD WORK

10 W20-1 36" X 36"

11 G20-2 36" X 18"

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

PHASE III

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER

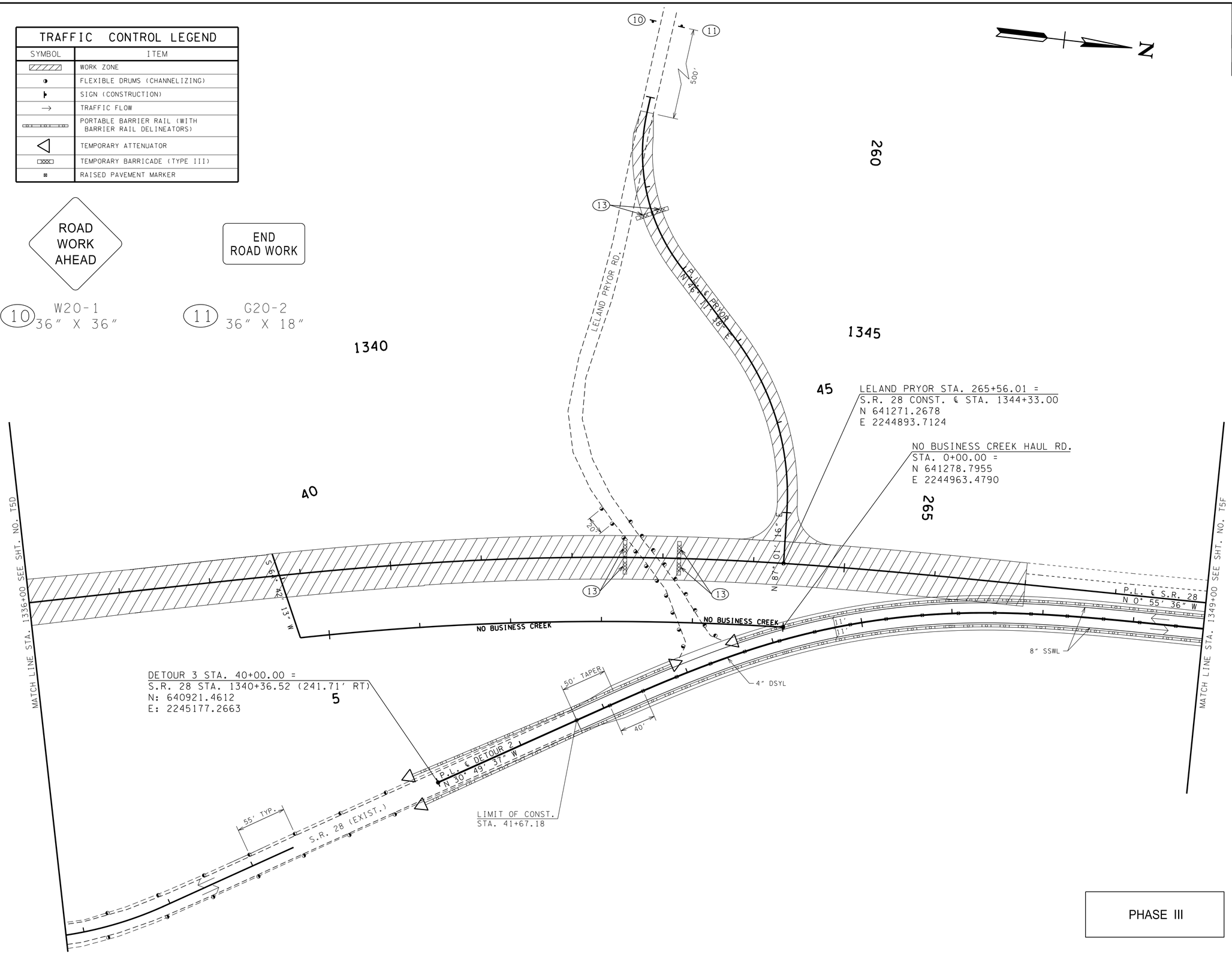
ROAD WORK AHEAD

(10) W20-1 36" X 36"

END ROAD WORK

(11) G20-2 36" X 18"

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54E
PIH	2026	STP/NH/HPP-28(32)	T5E
PS&E	2026	STP/NH/HPP-28(32)	T5E



PHASE III

SEALED BY

RICHARD R. HOLT REGISTERED ENGINEER 04.07.26 STATE OF TENNESSEE

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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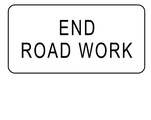
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54F
PIH	2026	STP/NH/HPP-28(32)	T5F
PS&E	2026	STP/NH/HPP-28(32)	T5F

TRAFFIC CONTROL LEGEND

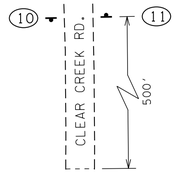
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER

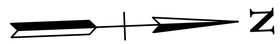


(10) W20-1
36" X 36"



(11) G20-2
36" X 18"

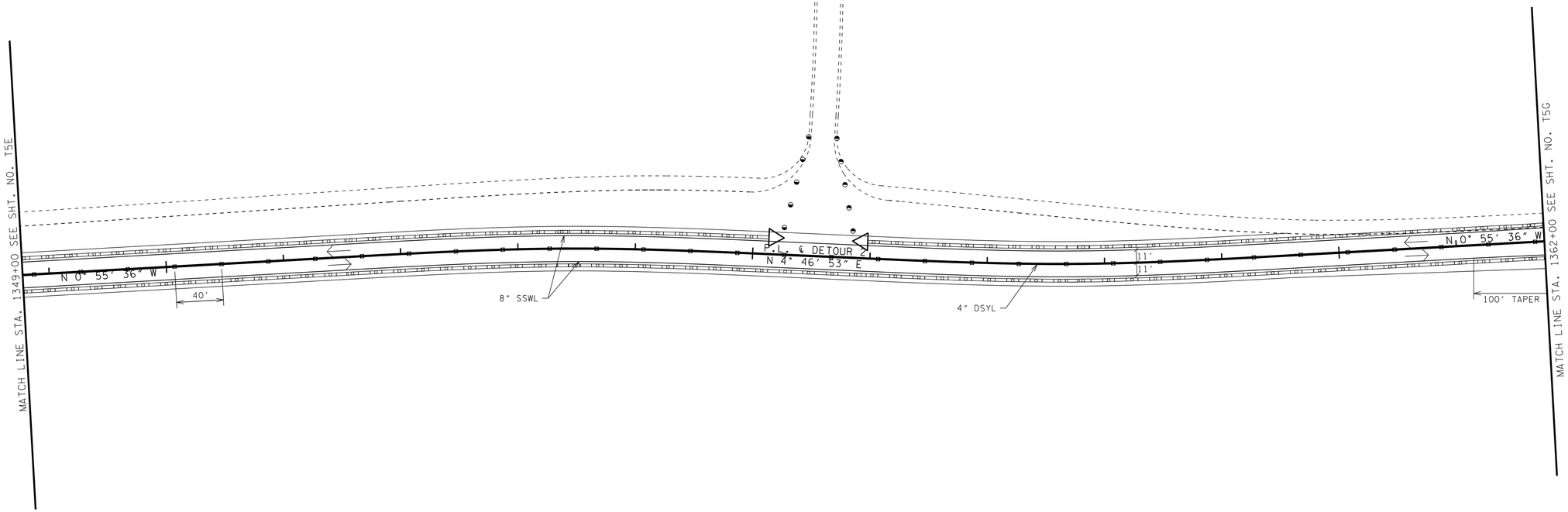




50

55

60



PHASE III

SEALED BY



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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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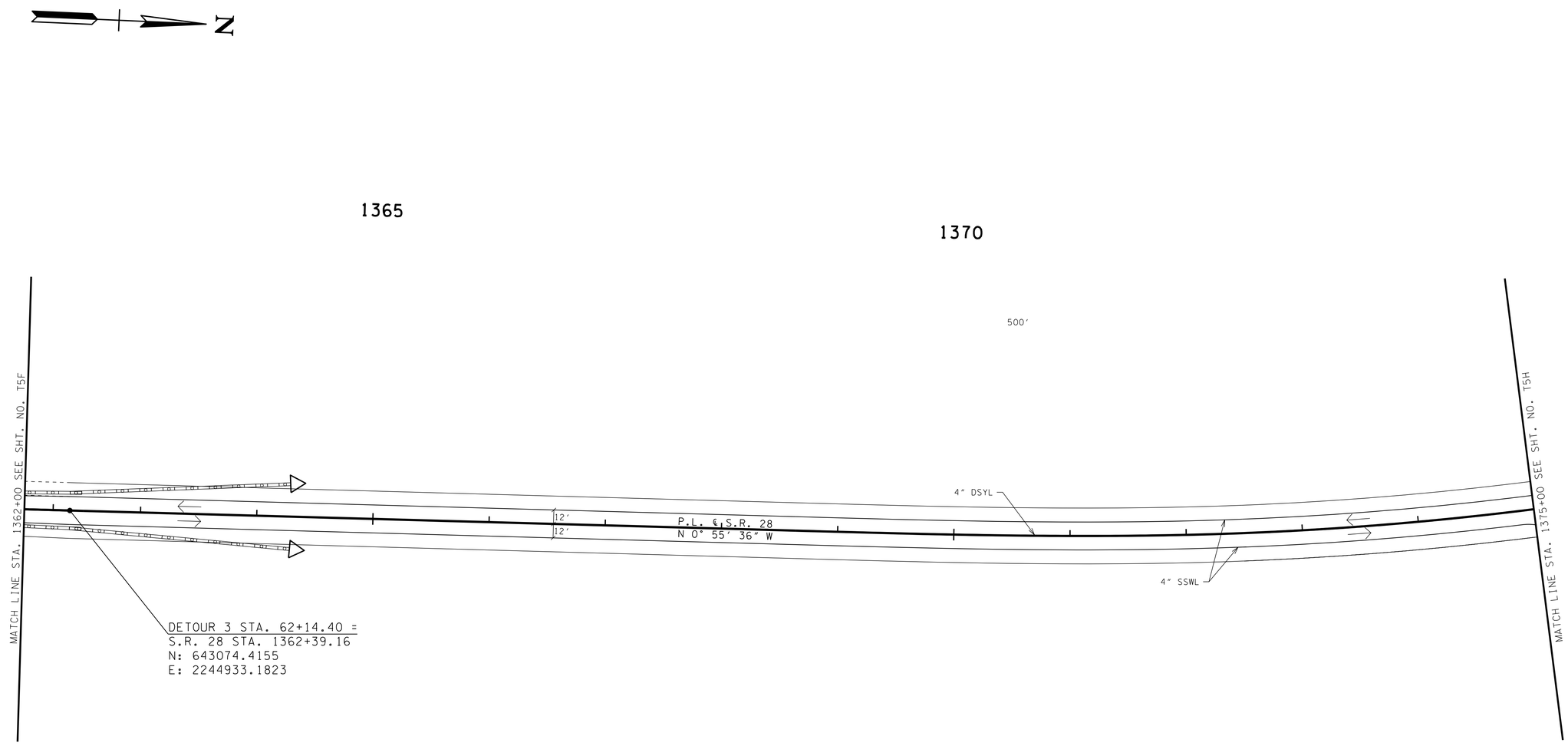
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54G
PIH	2026	STP/NH/HPP-28(32)	T5G
PS&E	2026	STP/NH/HPP-28(32)	T5G



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER

PHASE III

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 104329
STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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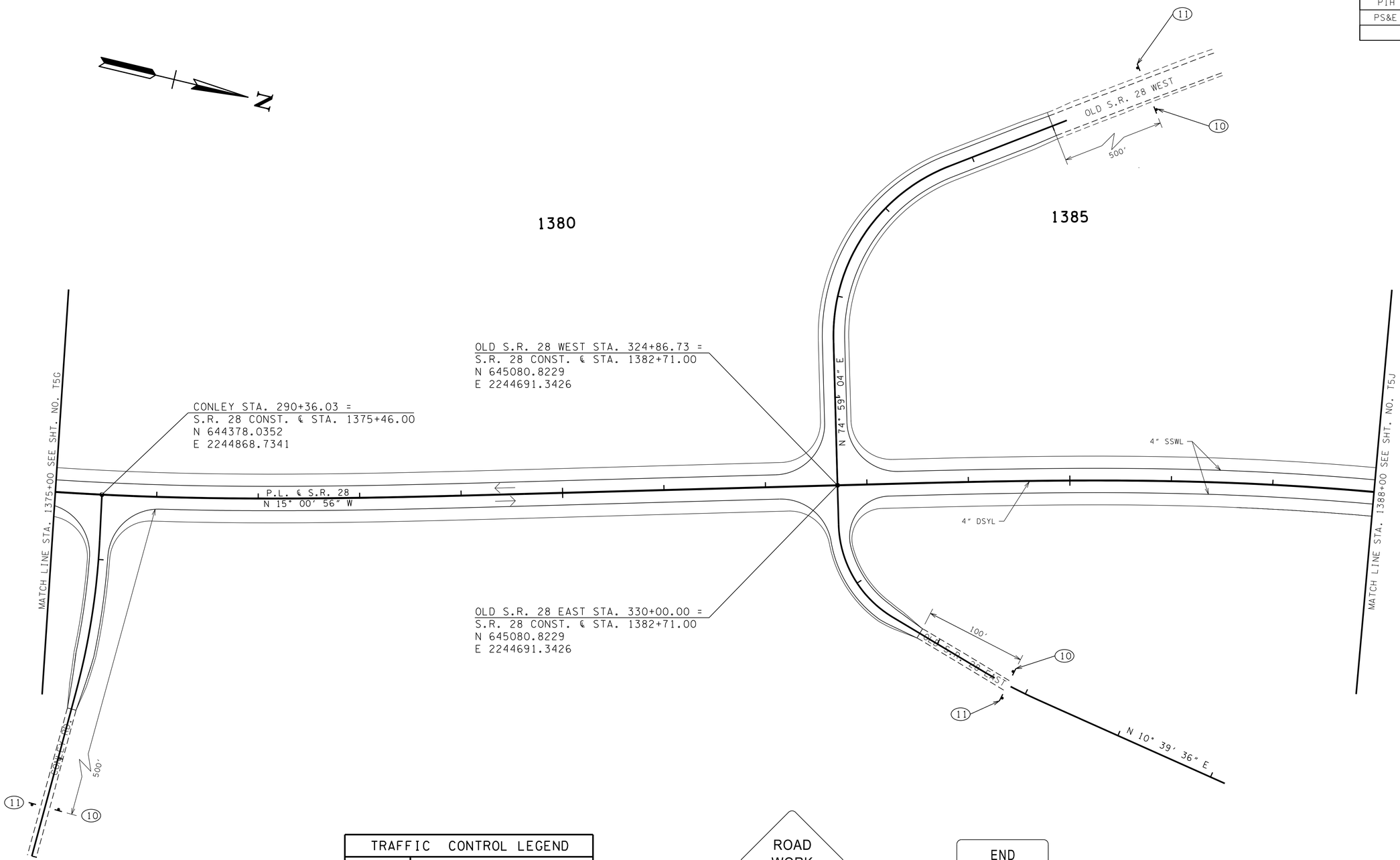
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54H
PIH	2026	STP/NH/HPP-28(32)	T5H
PS&E	2026	STP/NH/HPP-28(32)	T5H



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER

12 W20-1
36" X 36"

13 G20-2
36" X 18"

PHASE III

SEALED BY



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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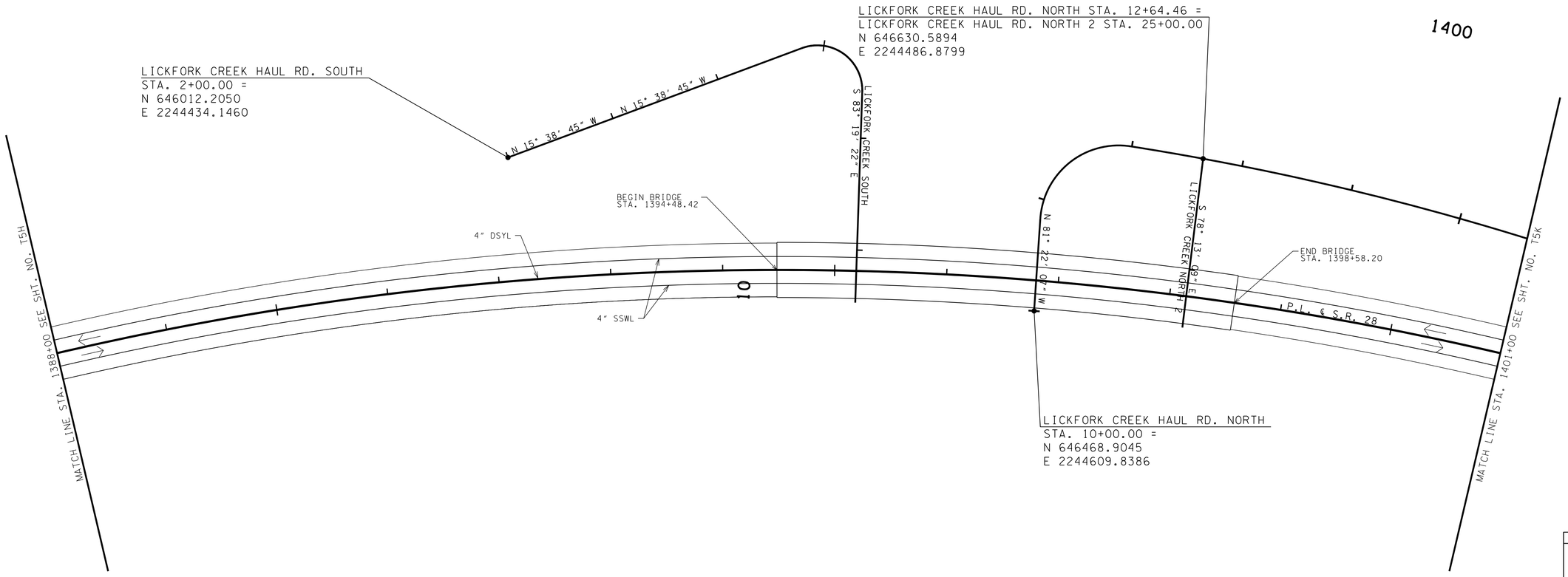
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54J
PIH	2026	STP/NH/HPP-28(32)	T5J
PS&E	2026	STP/NH/HPP-28(32)	T5J

1395

5

1400



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER

PHASE III

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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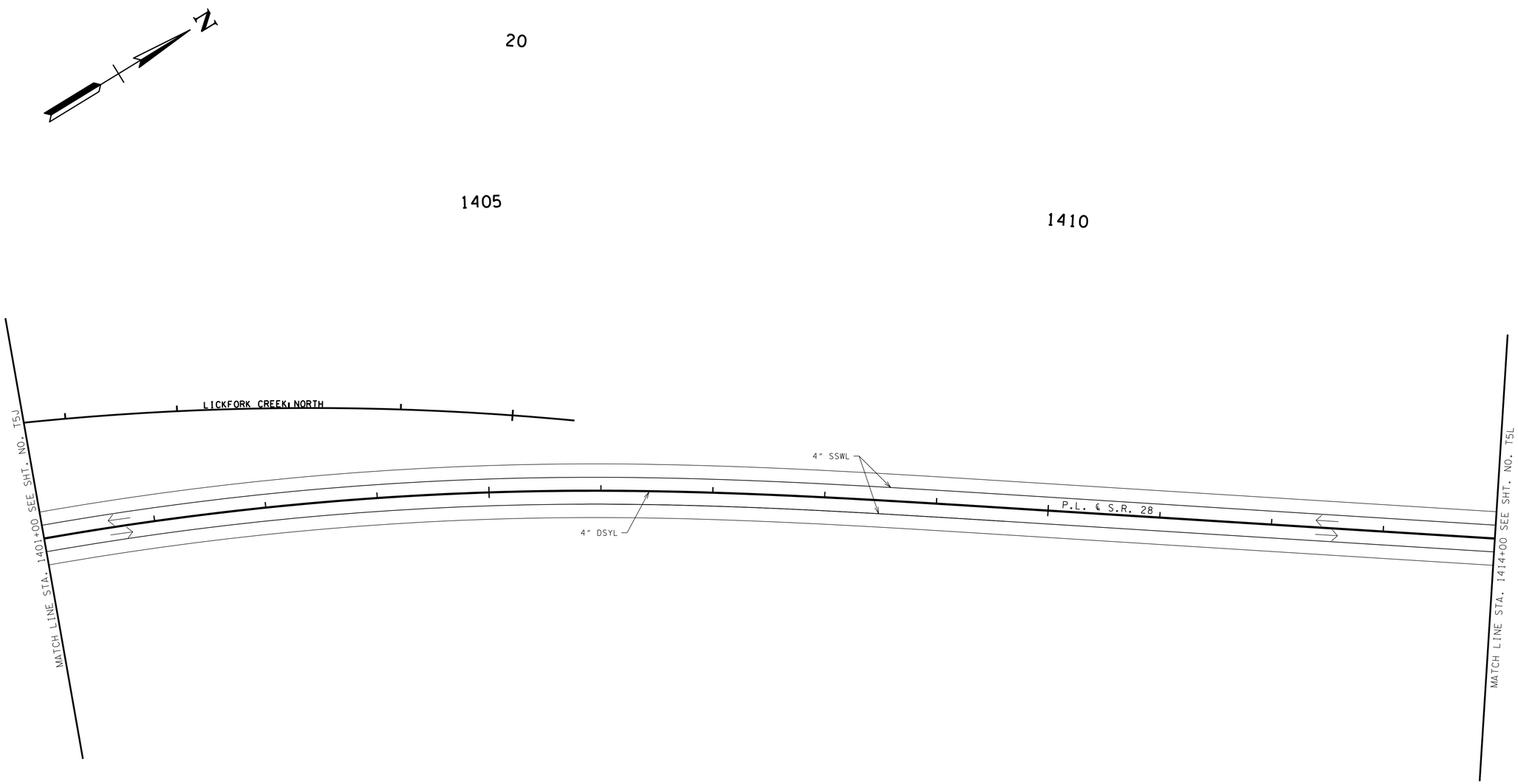
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54K
PIH	2026	STP/NH/HPP-28(32)	T5K
PS&E	2026	STP/NH/HPP-28(32)	T5K



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)
	RAISED PAVEMENT MARKER

PHASE III

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
STATE OF TENNESSEE
04.07.26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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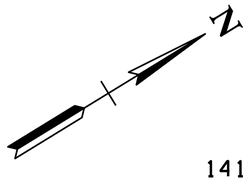
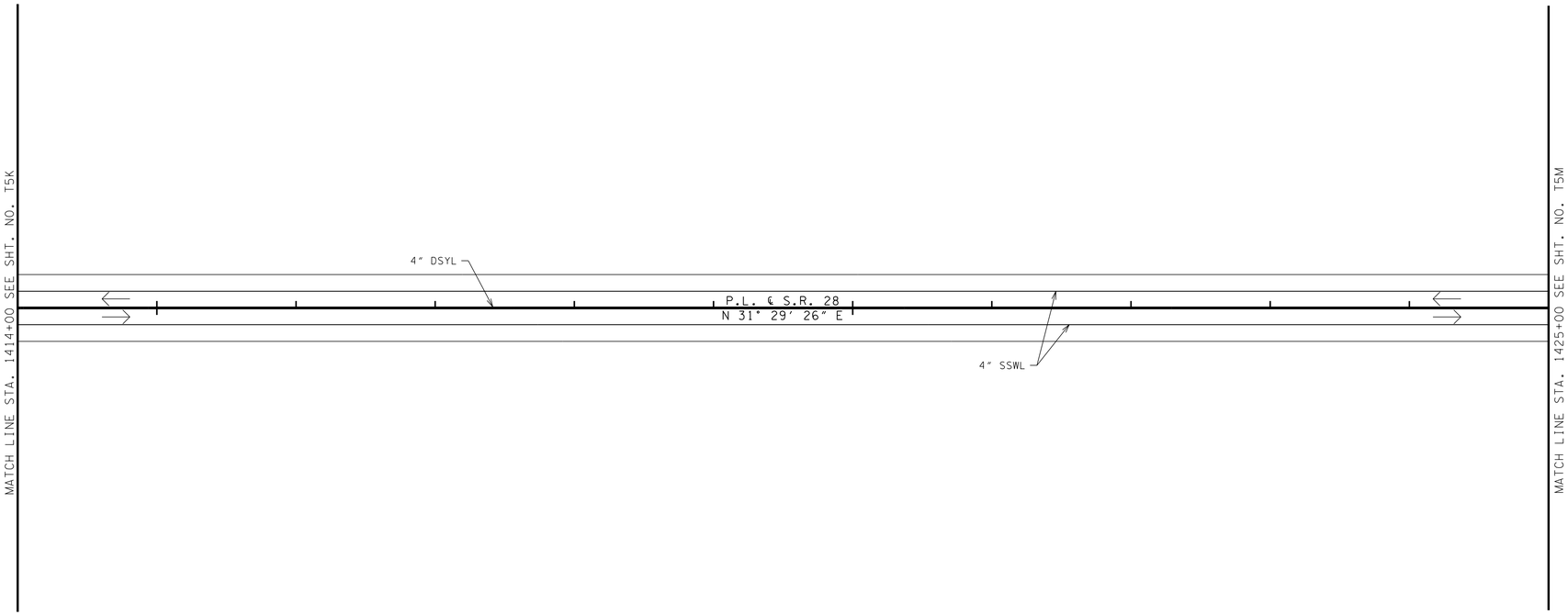
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54L
PIH	2026	STP/NH/HPP-28(32)	T5L
PS&E	2026	STP/NH/HPP-28(32)	T5L



1415

1420



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

PHASE III

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
04.07.26
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

3/31/2026
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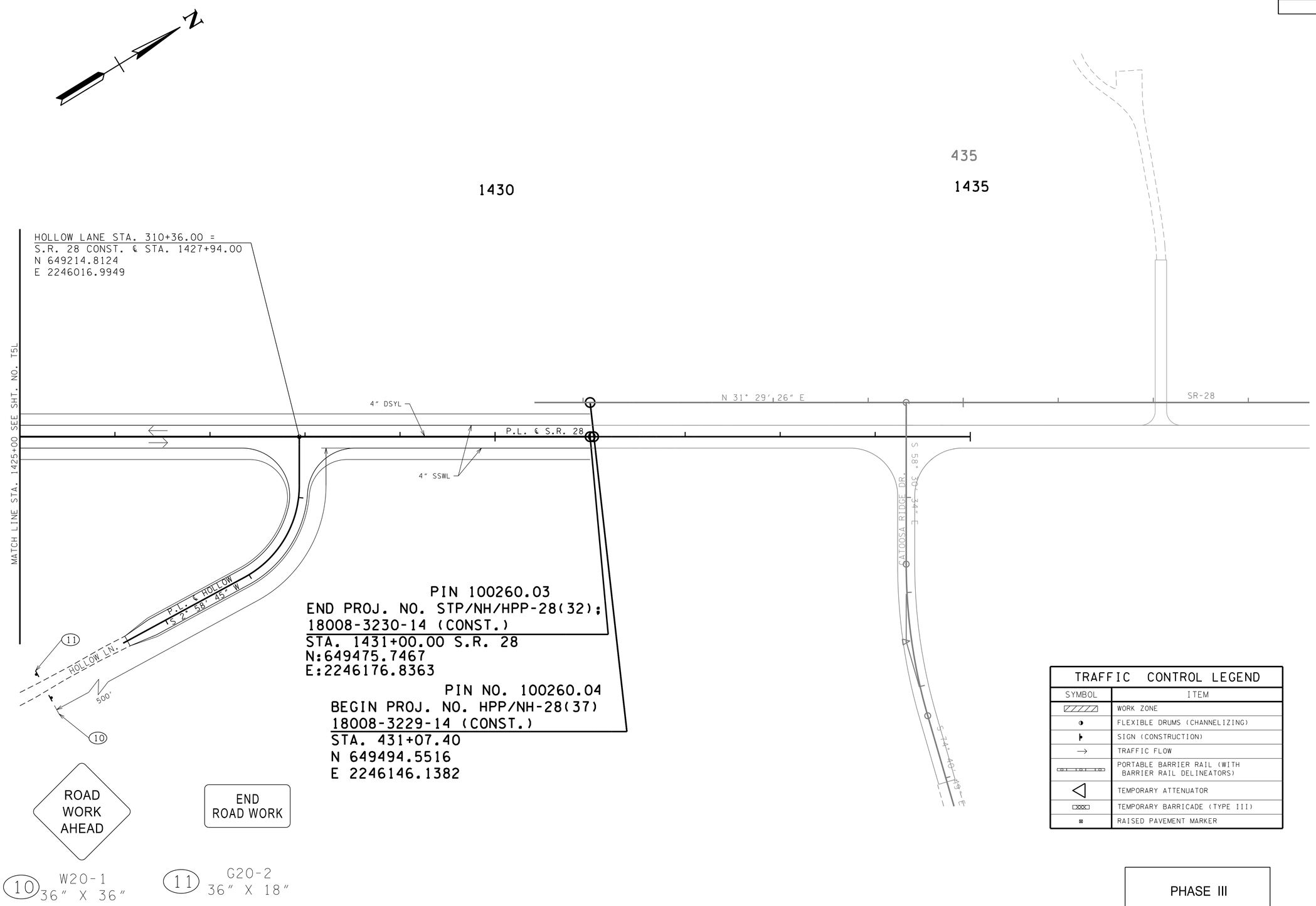
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54M
PIH	2026	STP/NH/HPP-28(32)	T5M
PS&E	2026	STP/NH/HPP-28(32)	T5M



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

PHASE III

SEALED BY

RICHARD R. HOLT
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 104329
STATE OF TENNESSEE
06.02.26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

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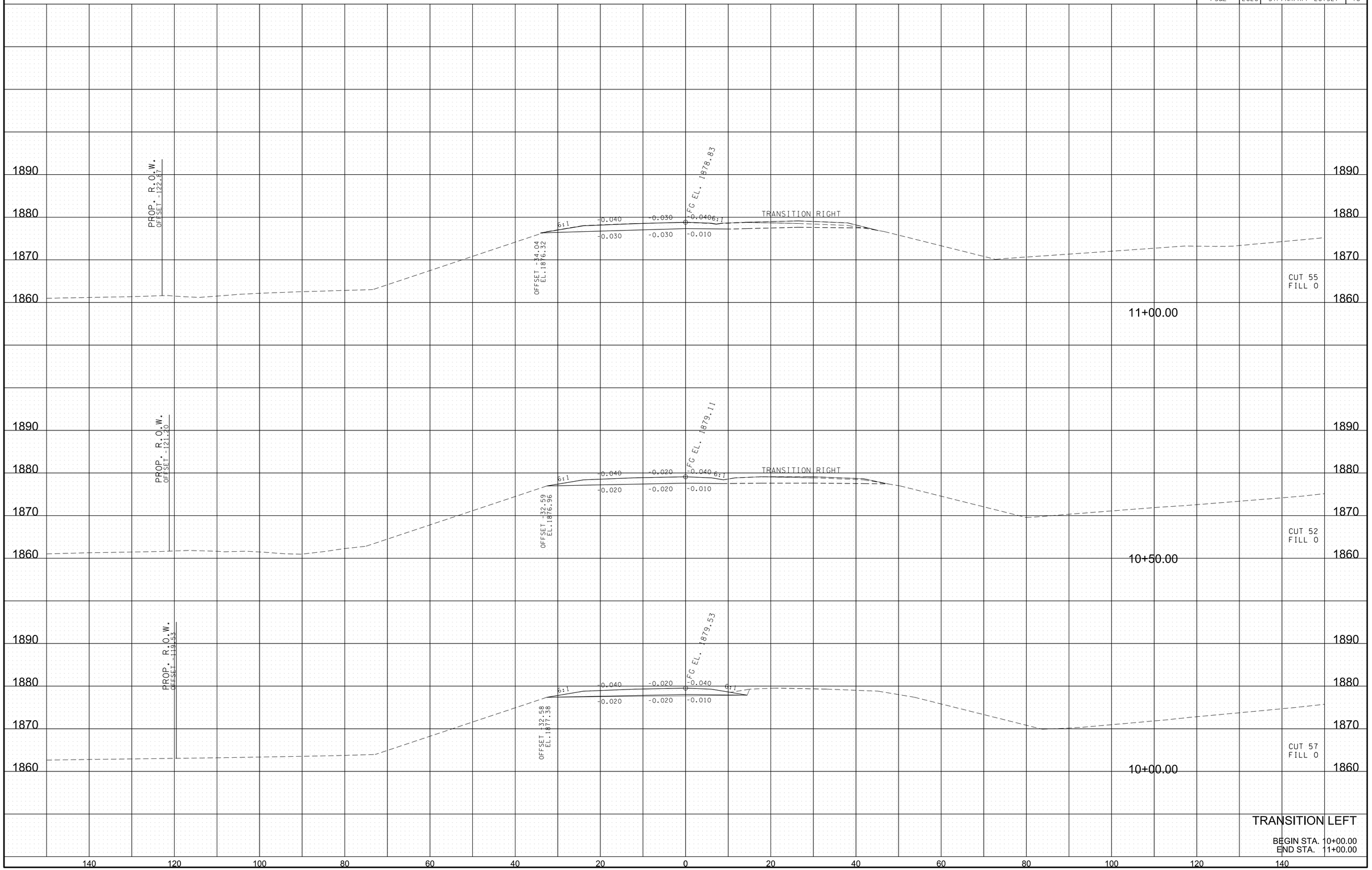
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T6
PS&E	2026	STP/NH/HPP-28(32)	T6



TRANSITION LEFT

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

3/30/2026
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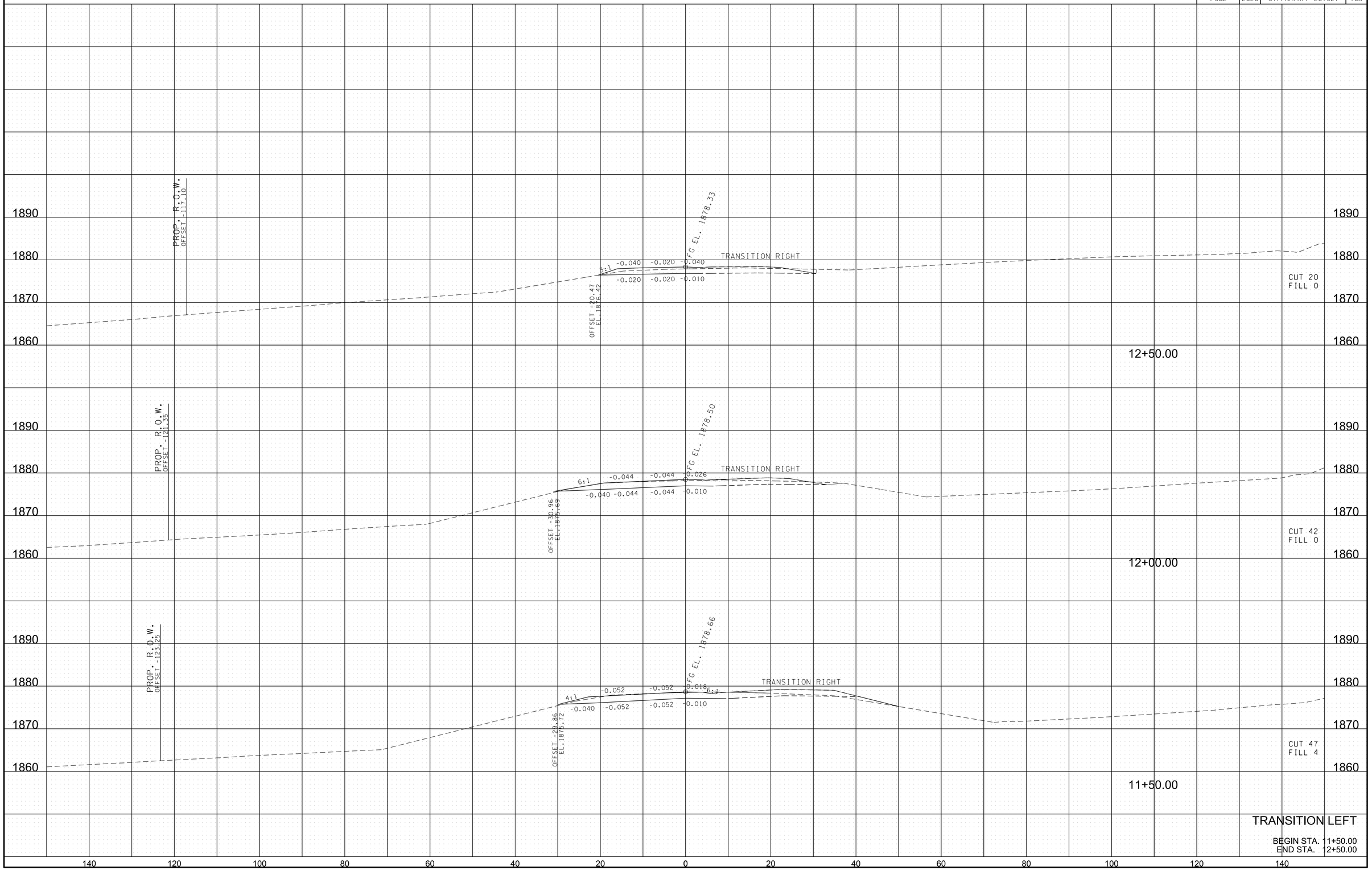
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T6A
PS&E	2026	STP/NH/HPP-28(32)	T6A



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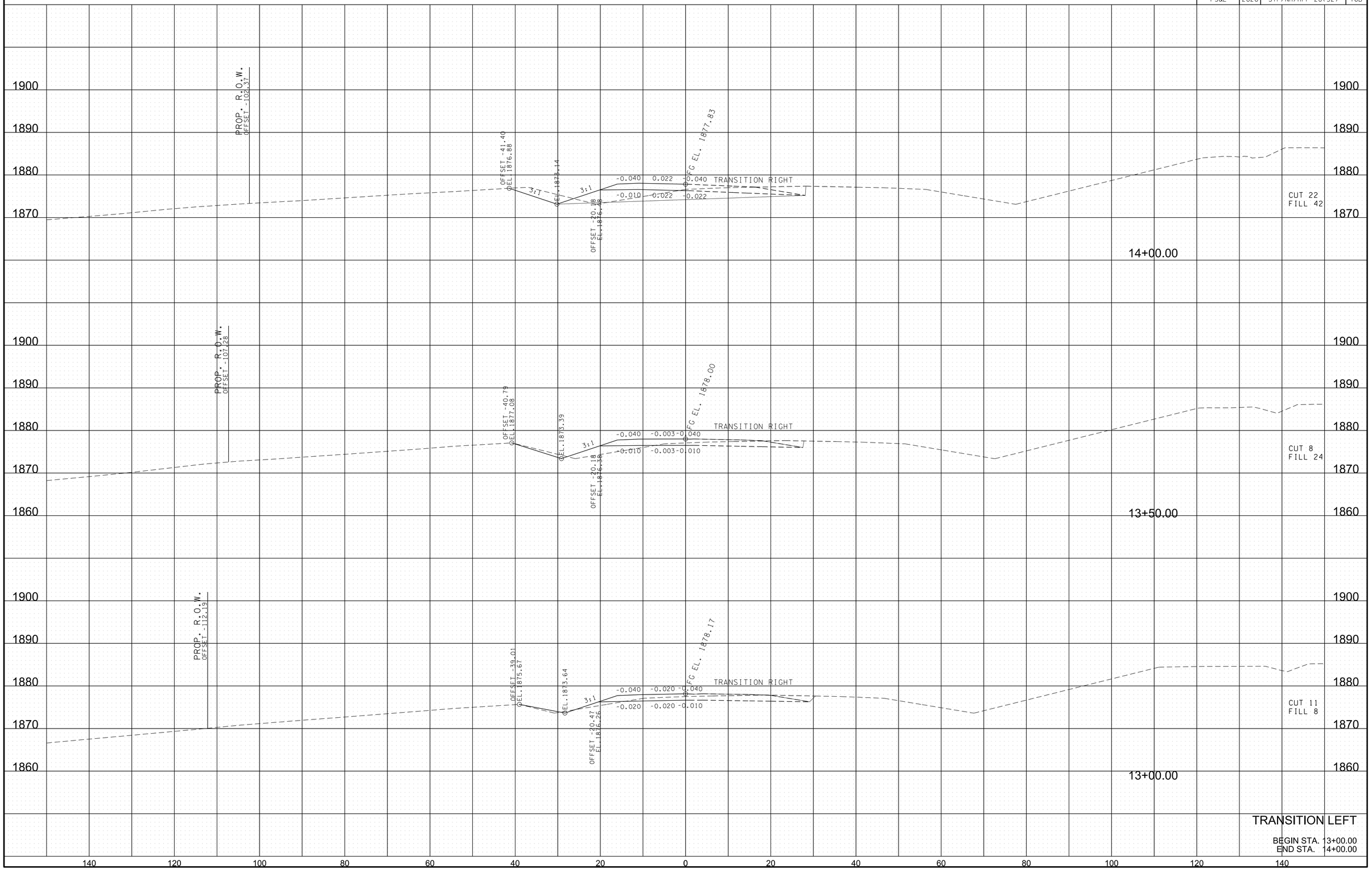
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T6B
PS&E	2026	STP/NH/HPP-28(32)	T6B



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3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T6C
PS&E	2026	STP/NH/HPP-28(32)	T6C

1910 1900 1890 1880 1870

PROP. R.O.W.
OFFSET -96.00

OFFSET -54.34
@EL.1880.33

3:1

@EL.1872.39

3:1

-0.040 0.016

-0.010 0.016

FG EL. 1876.66

TRANSITION RIGHT

OFFSET -20.18
EL.1874.28

CUT 70
FILL 38

15+50.00

1910 1900 1890 1880 1870

PROP. R.O.W.
OFFSET -96.02

OFFSET -49.16
@EL.1878.97

3:1

@EL.1872.64

3:1

-0.029 0.041

-0.010 0.041

FG EL. 1877.06

TRANSITION RIGHT

OFFSET -20.35
EL.1875.07

CUT 60
FILL 47

15+00.00

1900 1890 1880 1870

PROP. R.O.W.
OFFSET -97.86

OFFSET -42.41
@EL.1876.73

3:1

@EL.1872.89

3:1

-0.023 0.047

-0.010 0.047

FG EL. 1877.46

TRANSITION RIGHT

OFFSET -20.44
EL.1875.34

CUT 35
FILL 51

14+50.00

TRANSITION LEFT

BEGIN STA. 14+50.00
END STA. 15+50.00

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

3/30/2026
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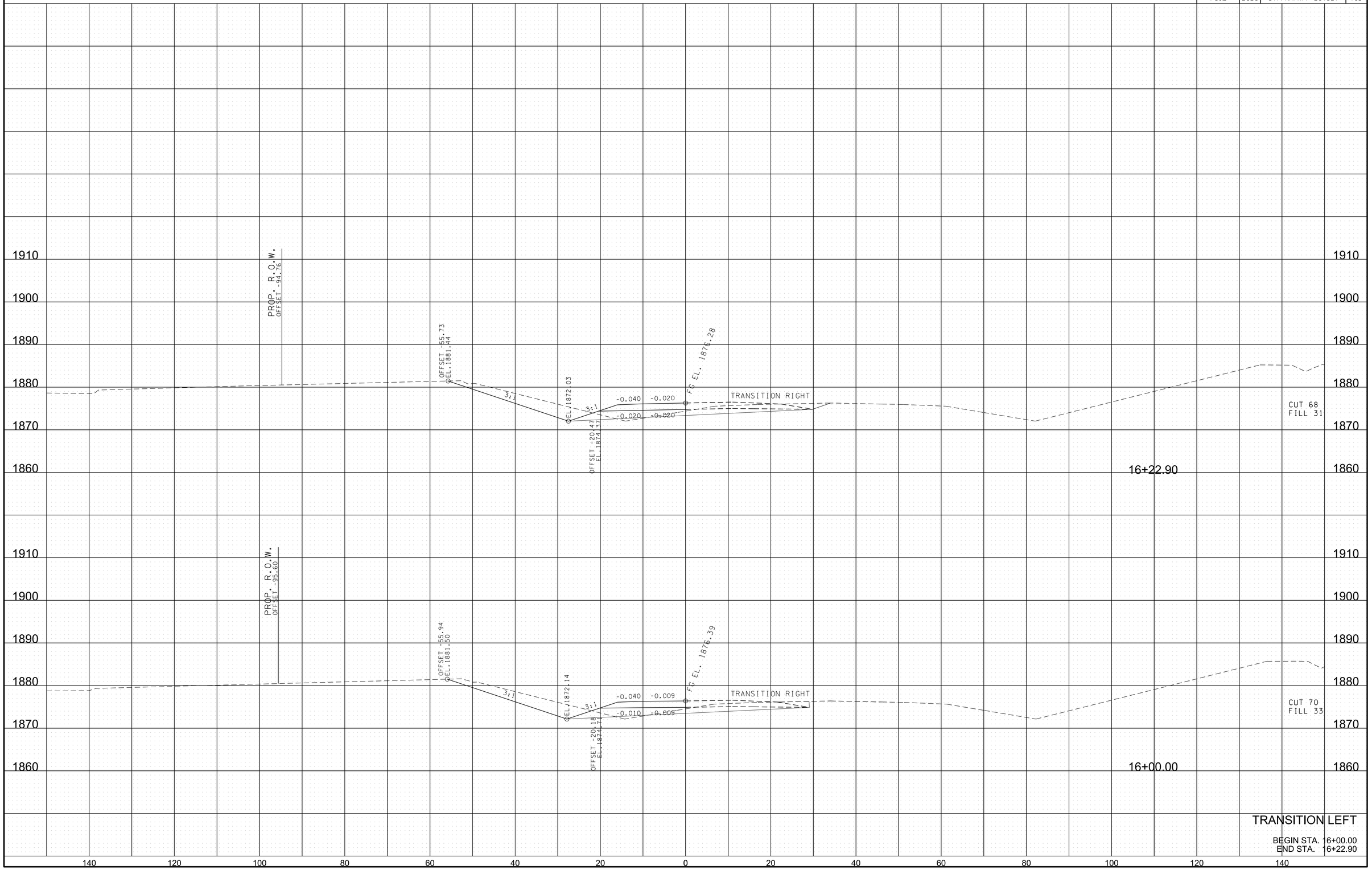
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T6D
PS&E	2026	STP/NH/HPP-28(32)	T6D



TRANSITION LEFT

BEGIN STA. 16+00.00
END STA. 16+22.90

3/30/2026
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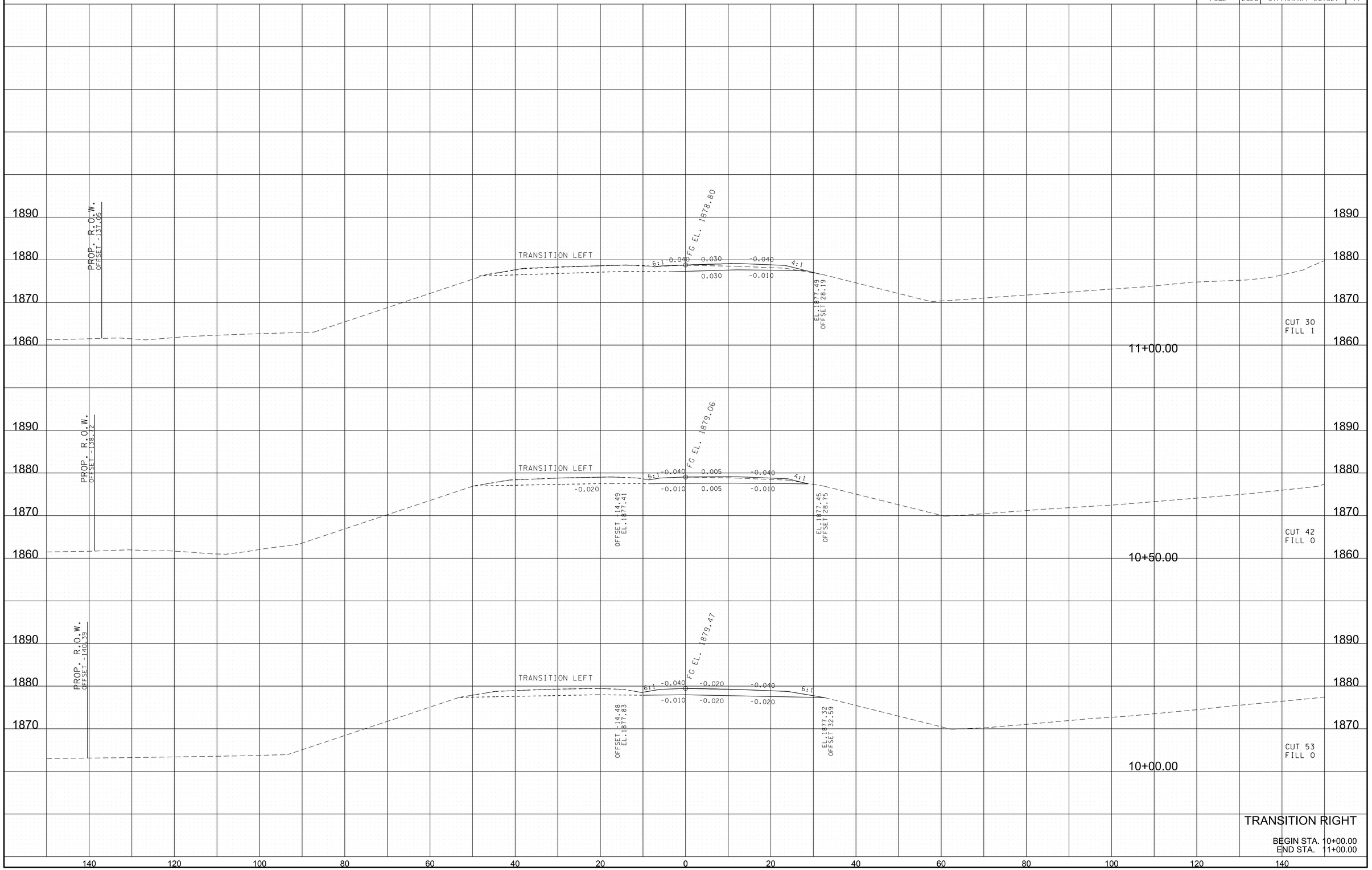
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T7
PS&E	2026	STP/NH/HPP-28(32)	T7



TRANSITION RIGHT

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

3/30/2026
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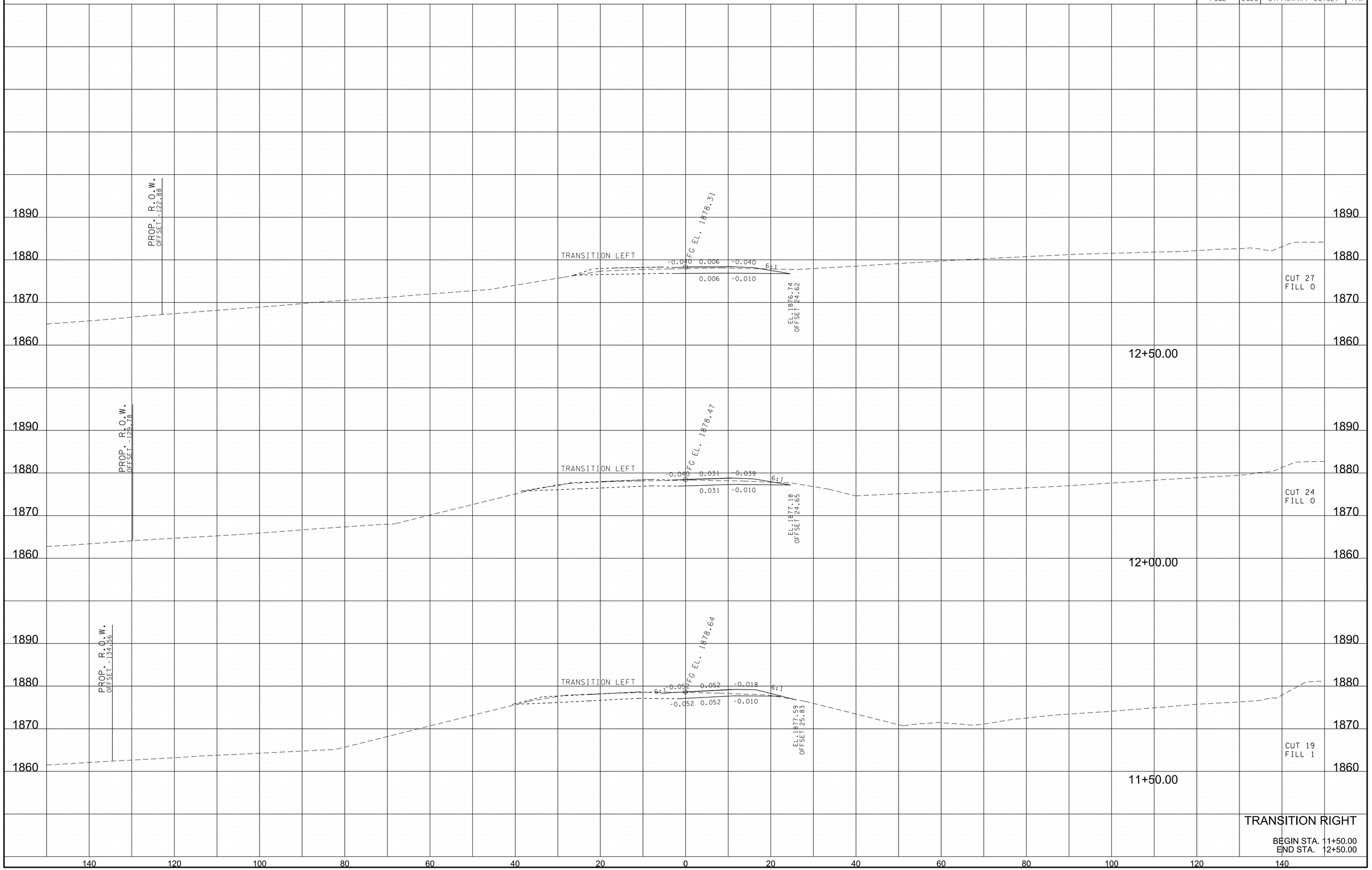
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T7A
PS&E	2026	STP/NH/HPP-28(32)	T7A



TRANSITION RIGHT

BEGIN STA. 11+50.00
END STA. 12+50.00

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T7B
PS&E	2026	STP/NH/HPP-28(32)	T7B

PROP. R.O.W.
OFFSET -102.13

TRANSITION LEFT

-0.025 -0.045 -0.045 6:1
-0.045 -0.045 -0.040

EOFG EL. 1877.81

EL.1875.13
OFFSET 27.17

14+00.00

CUT 24
FILL 0

PROP. R.O.W.
OFFSET -109.01

TRANSITION LEFT

-0.040 -0.020 -0.040 6:1
-0.020 -0.020

EOFG EL. 1877.98

EL.1875.97
OFFSET 26.55

13+50.00

CUT 23
FILL 0

PROP. R.O.W.
OFFSET -115.94

TRANSITION LEFT

-0.040 -0.019 -0.040 6:1
-0.010 -0.019 -0.019

EOFG EL. 1878.15

EL.1876.17
OFFSET 25.41

13+00.00

CUT 27
FILL 0

TRANSITION RIGHT

BEGIN STA. 13+00.00
END STA. 14+00.00

1900 1890 1880 1870 1860

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

3/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T7C
PS&E	2026	STP/NH/HPP-28(32)	T7C

1910
1900
1890
1880
1870

PROP. R.O.W.
OFFSET -96.00

TRANSITION LEFT

FG EL. 1876.62

-0.007 -0.040
-0.007 -0.010

6:1

EL.1874.91
OFFSET 24.62

15+50.00

CUT 17
FILL 0

1910
1900
1890
1880
1870

PROP. R.O.W.
OFFSET -96.00

TRANSITION LEFT

FG EL. 1877.02

-0.032 -0.040
-0.032 -0.032

6:1

EL.1874.66
OFFSET 28.83

15+00.00

CUT 21
FILL 0

1900
1890
1880
1870

PROP. R.O.W.
OFFSET -91.61

TRANSITION LEFT

FG EL. 1877.42

-0.052 -0.052
-0.052 -0.052 -0.040

6:1

EL.1874.64
OFFSET 27.65

14+50.00

CUT 23
FILL 0

TRANSITION RIGHT

BEGIN STA. 14+50.00
END STA. 15+50.00

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

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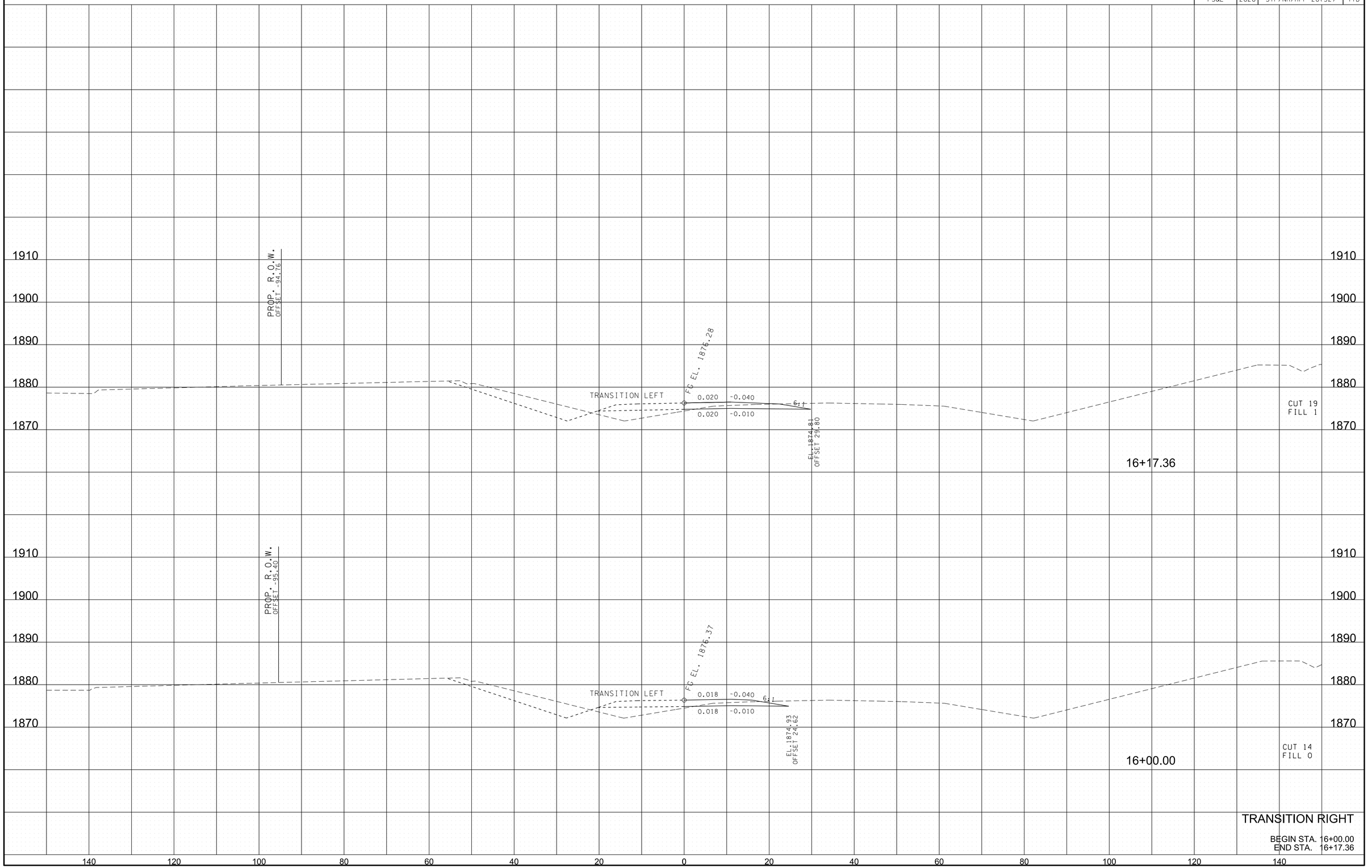
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T7D
PS&E	2026	STP/NH/HPP-28(32)	T7D



TRANSITION RIGHT

BEGIN STA. 16+00.00
END STA. 16+17.36

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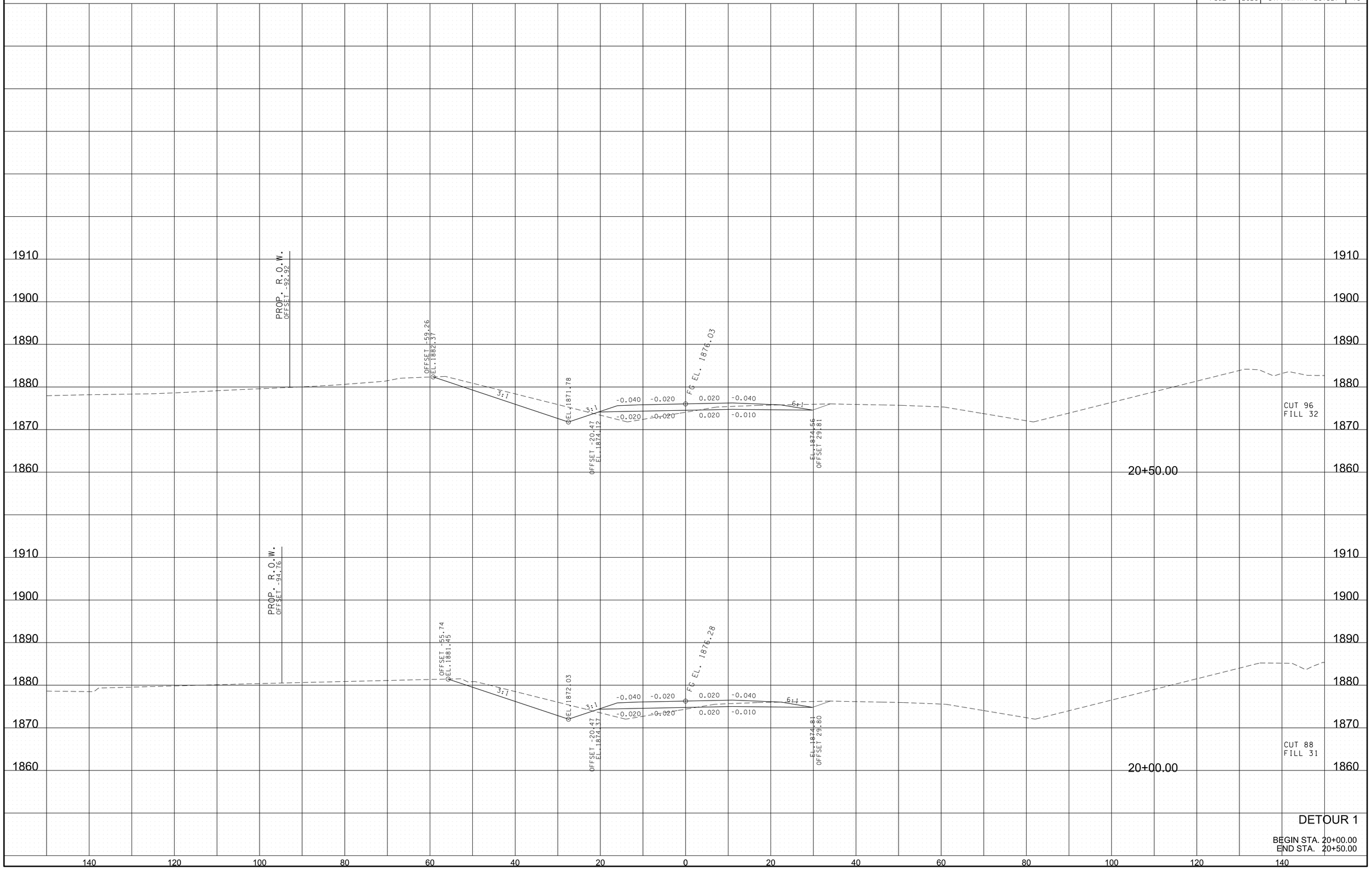
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T8
PS&E	2026	STP/NH/HPP-28(32)	T8



DETOUR 1

BEGIN STA. 20+00.00
END STA. 20+50.00

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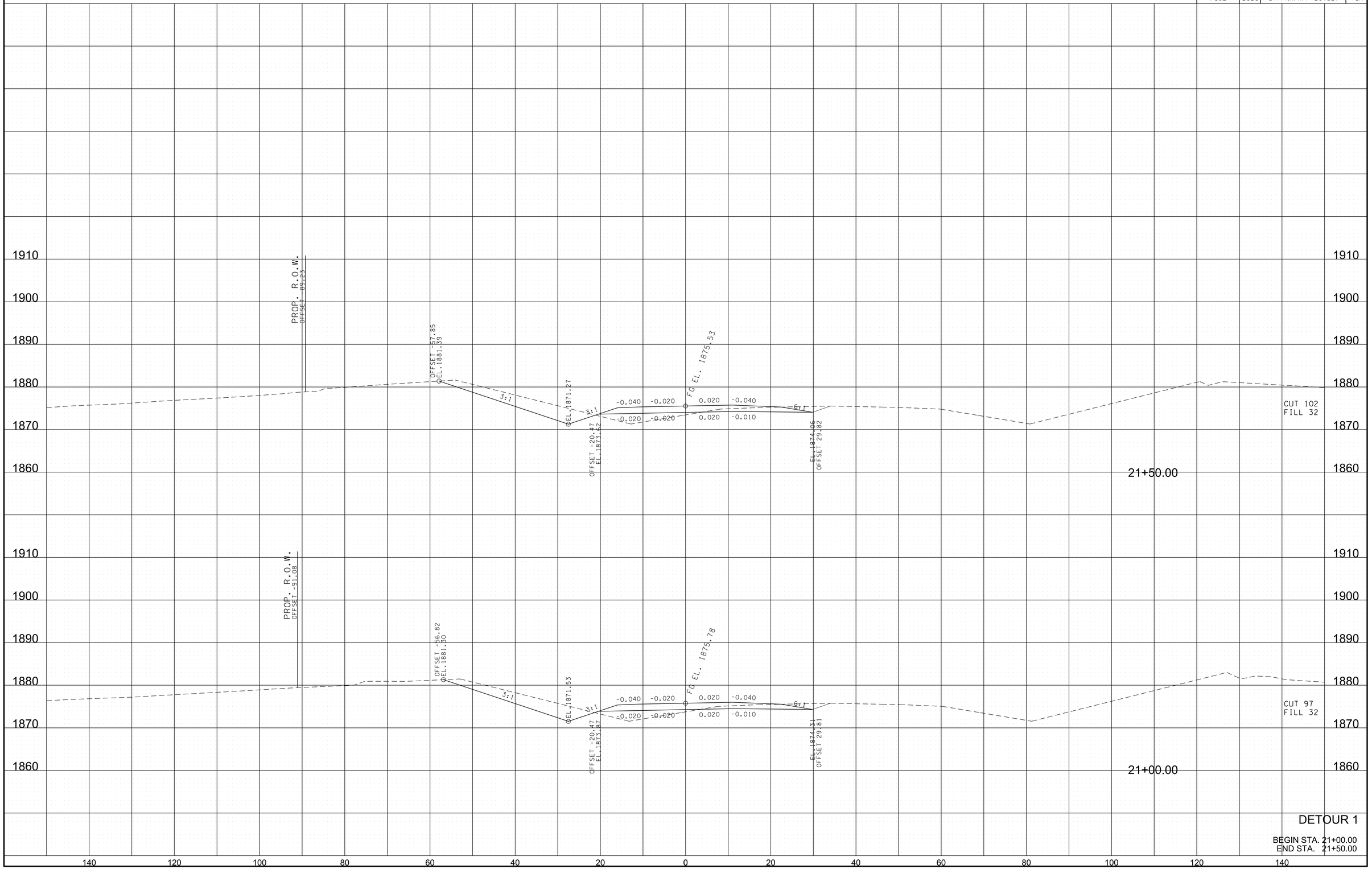
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T8A
PS&E	2026	STP/NH/HPP-28(32)	T8A



DETOUR 1

BEGIN STA. 21+00.00
END STA. 21+50.00

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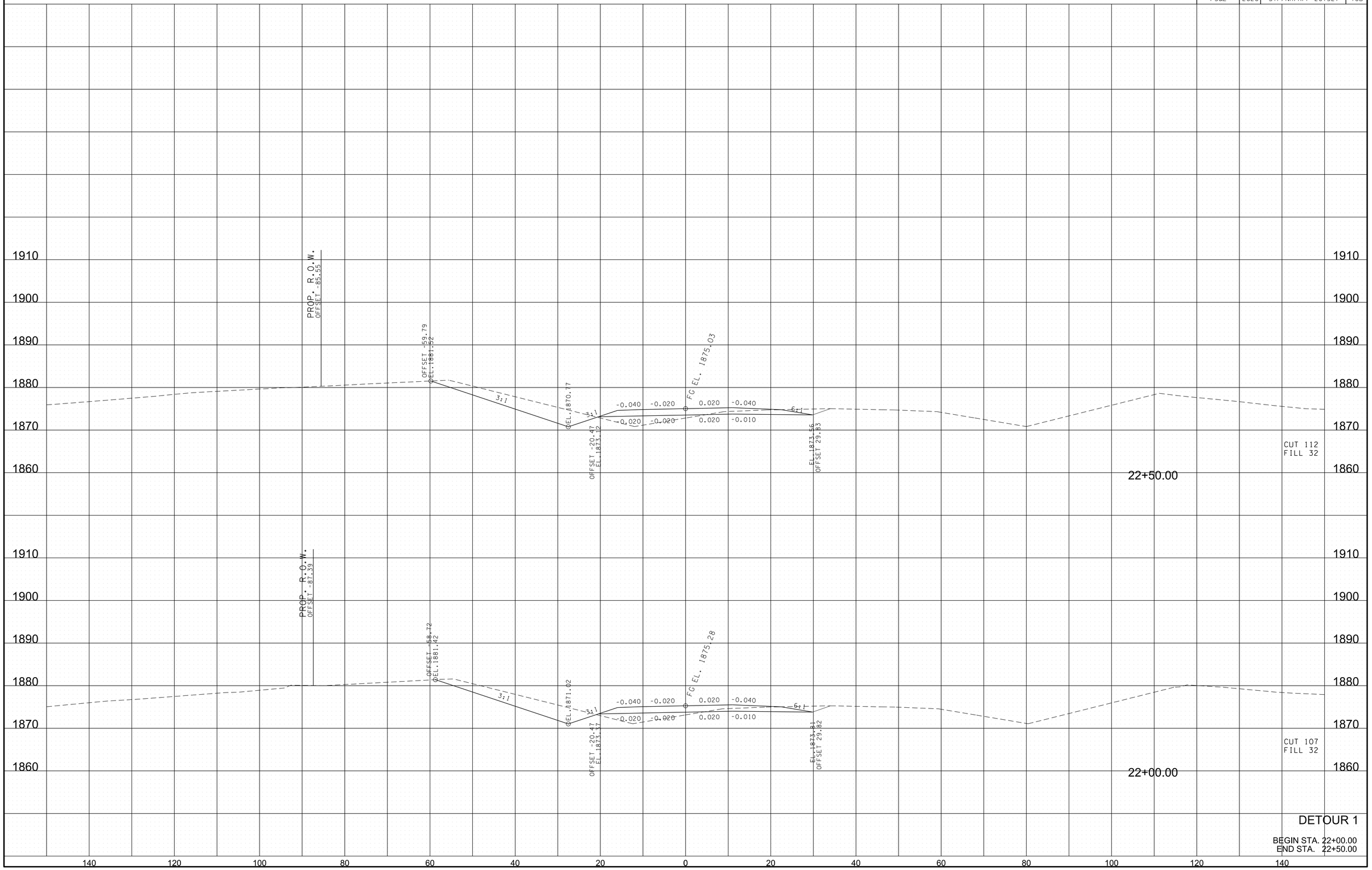
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T8B
PS&E	2026	STP/NH/HPP-28(32)	T8B



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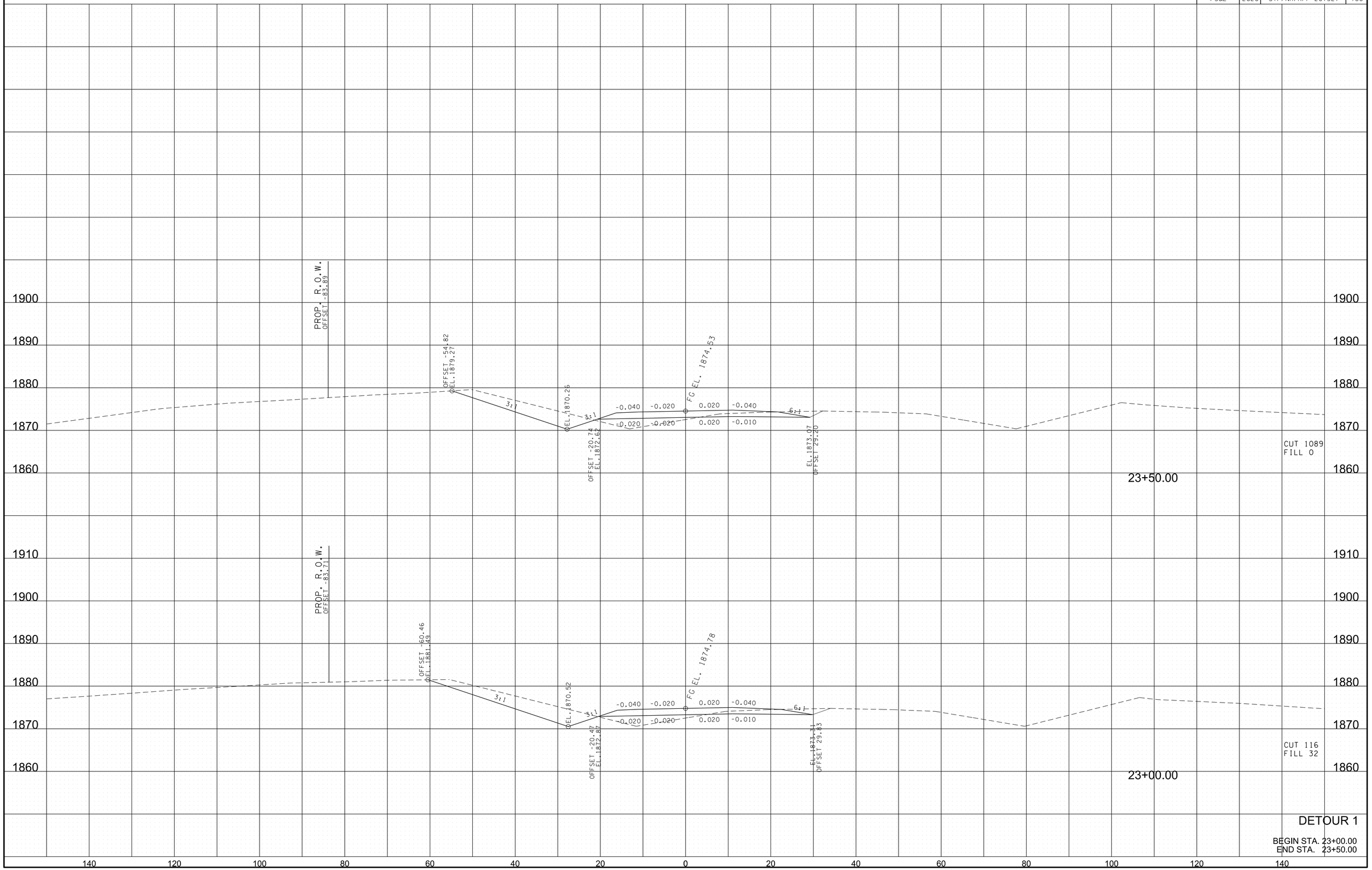
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T8C
PS&E	2026	STP/NH/HPP-28(32)	T8C



DETOUR 1

BEGIN STA. 23+00.00
END STA. 23+50.00

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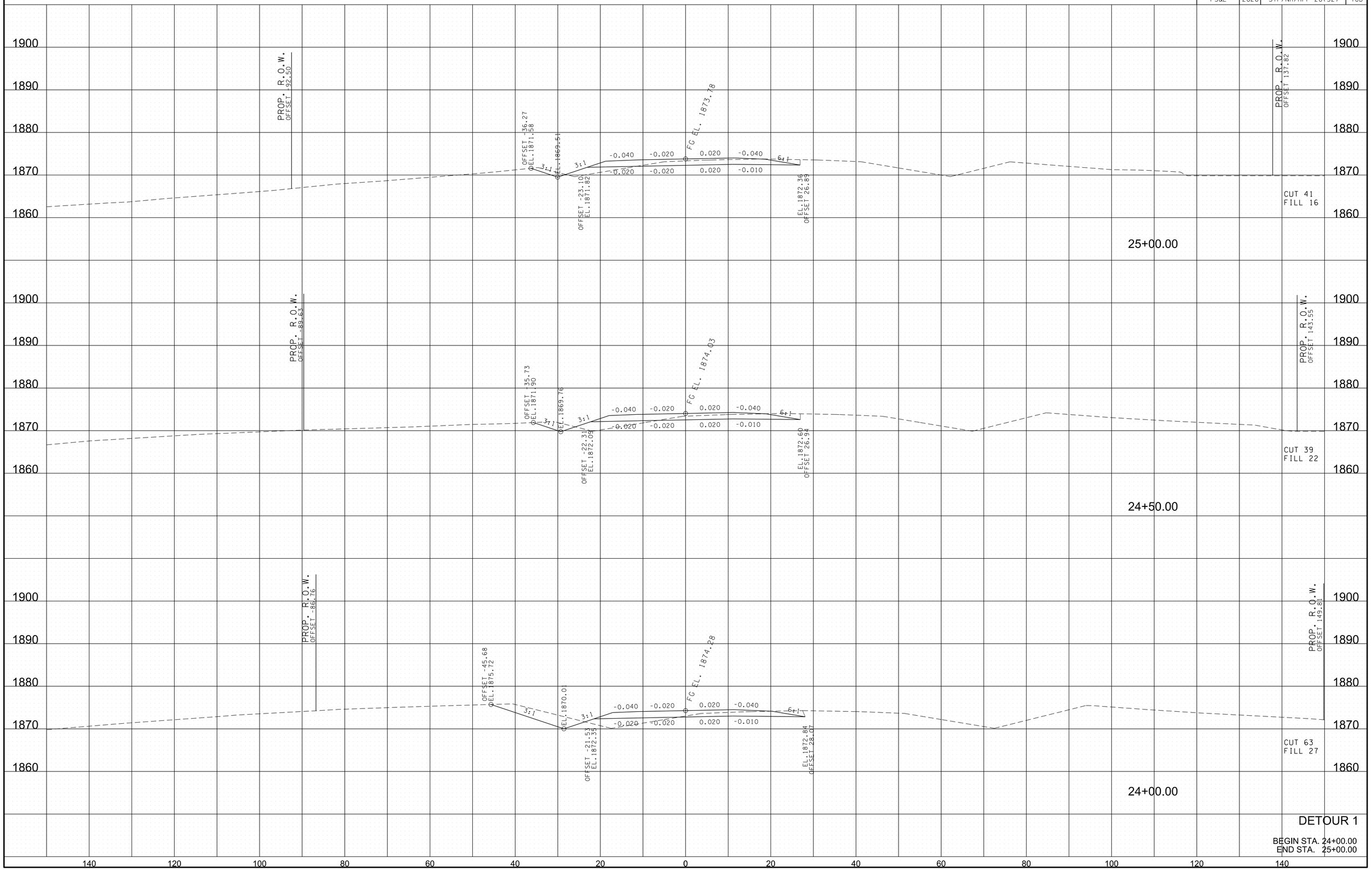
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T8D
PS&E	2026	STP/NH/HPP-28(32)	T8D



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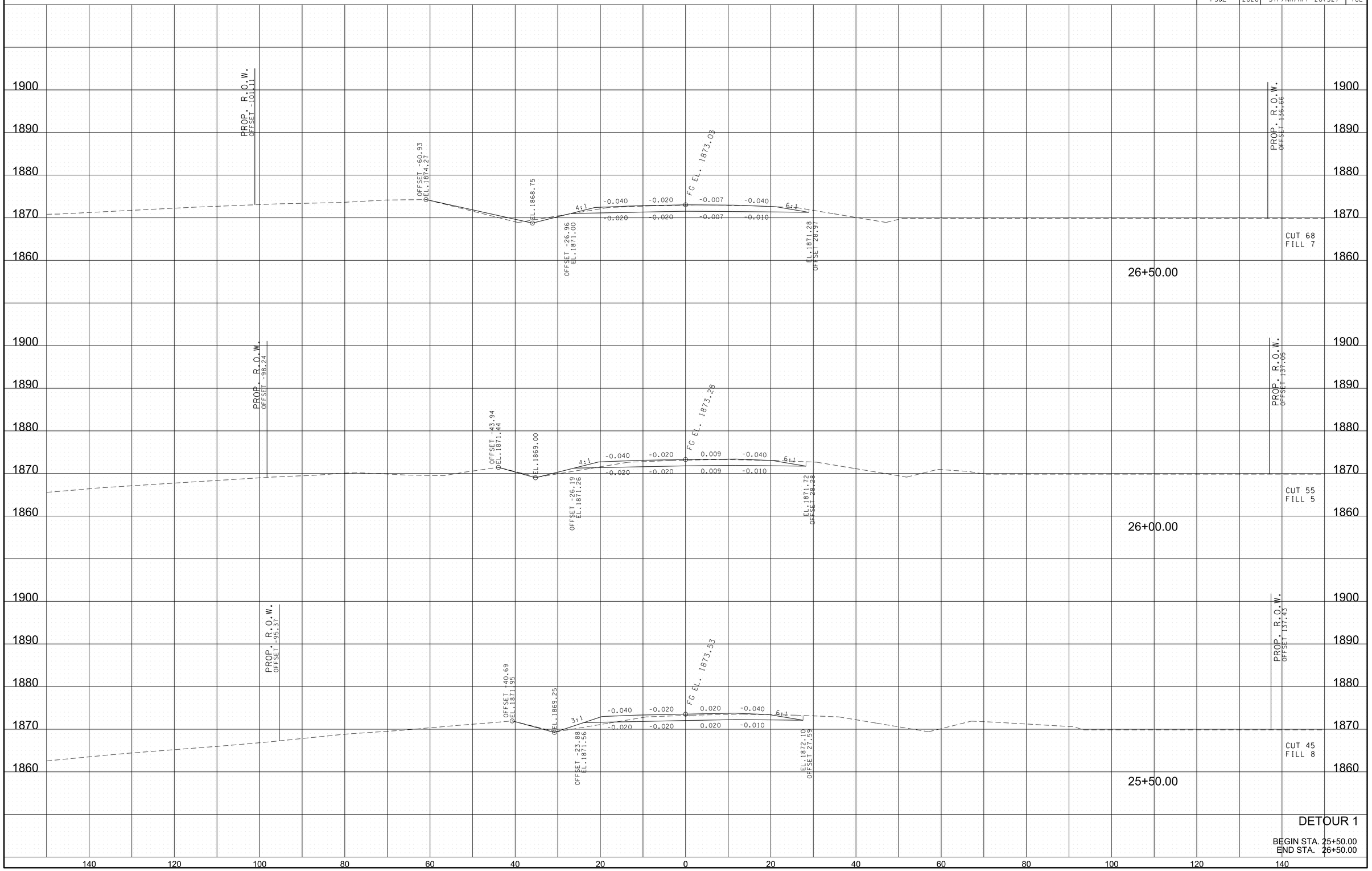
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T8E
PS&E	2026	STP/NH/HPP-28(32)	T8E



DETOUR 1

BEGIN STA. 25+50.00
END STA. 26+50.00

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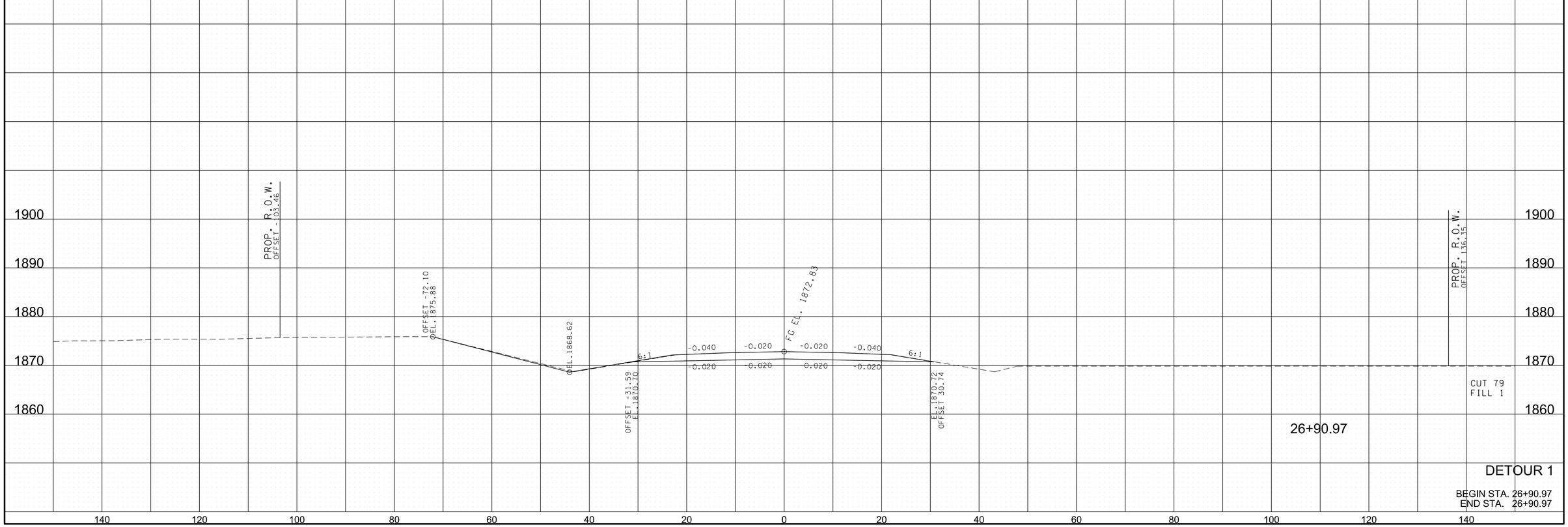
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T8F
PS&E	2026	STP/NH/HPP-28(32)	T8F



DETOUR 1

BEGIN STA. 26+90.97
END STA. 26+90.97

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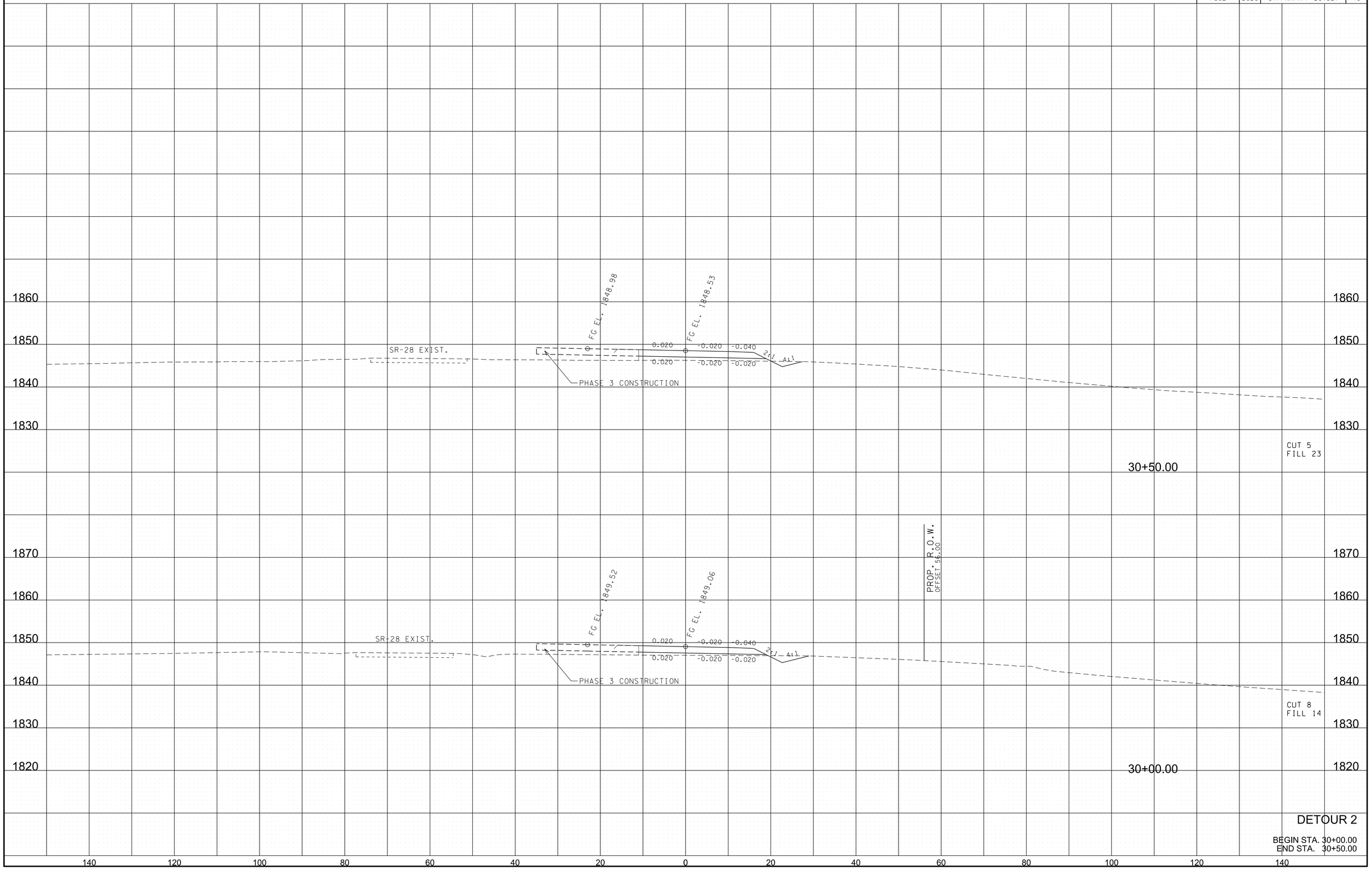
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T9
PS&E	2026	STP/NH/HPP-28(32)	T9



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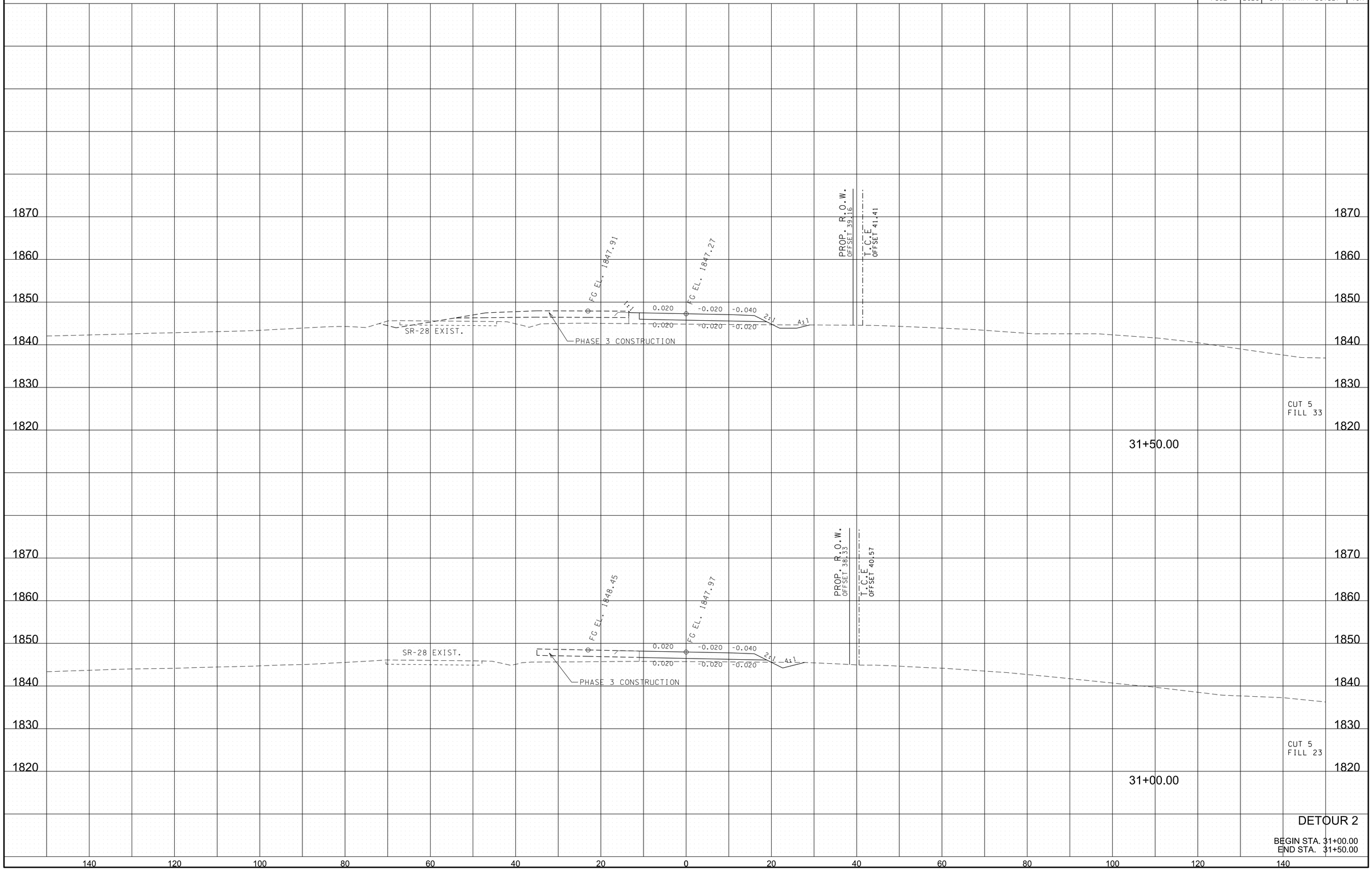
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T9A
PS&E	2026	STP/NH/HPP-28(32)	T9A



DETOUR 2

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

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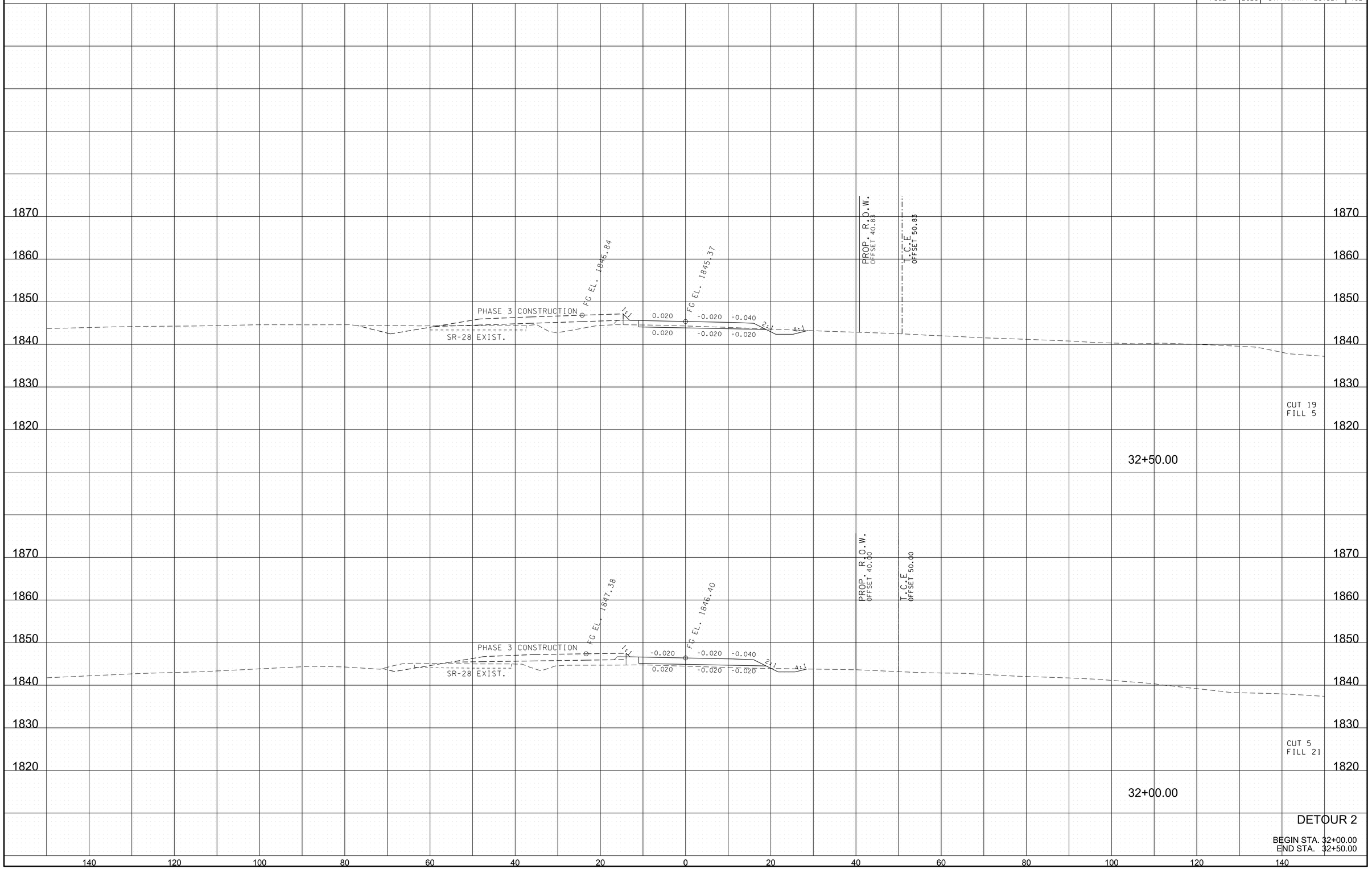
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T9B
PS&E	2026	STP/NH/HPP-28(32)	T9B



DETOUR 2

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

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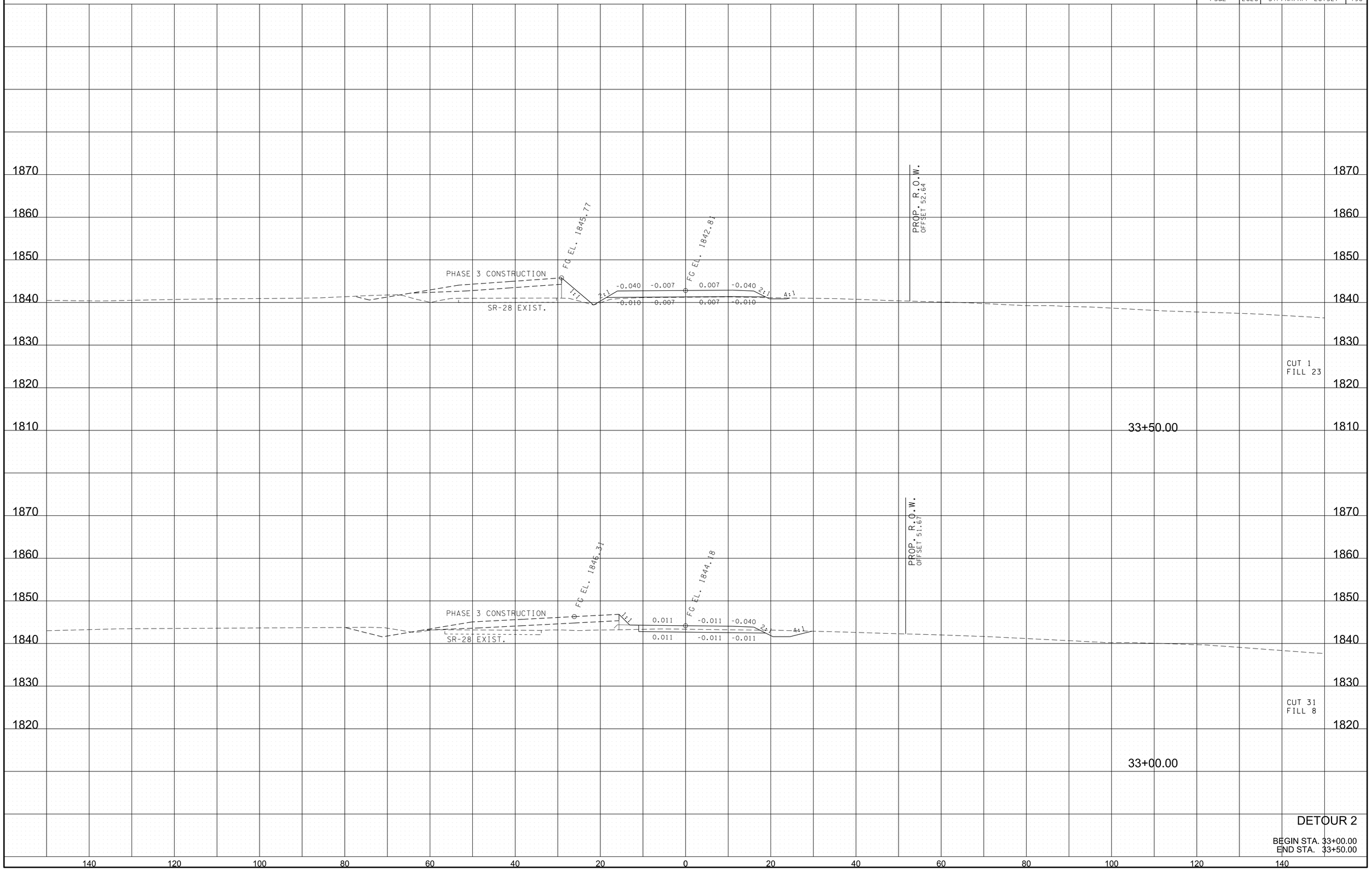
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T9C
PS&E	2026	STP/NH/HPP-28(32)	T9C



DETOUR 2

BEGIN STA. 33+00.00
END STA. 33+50.00

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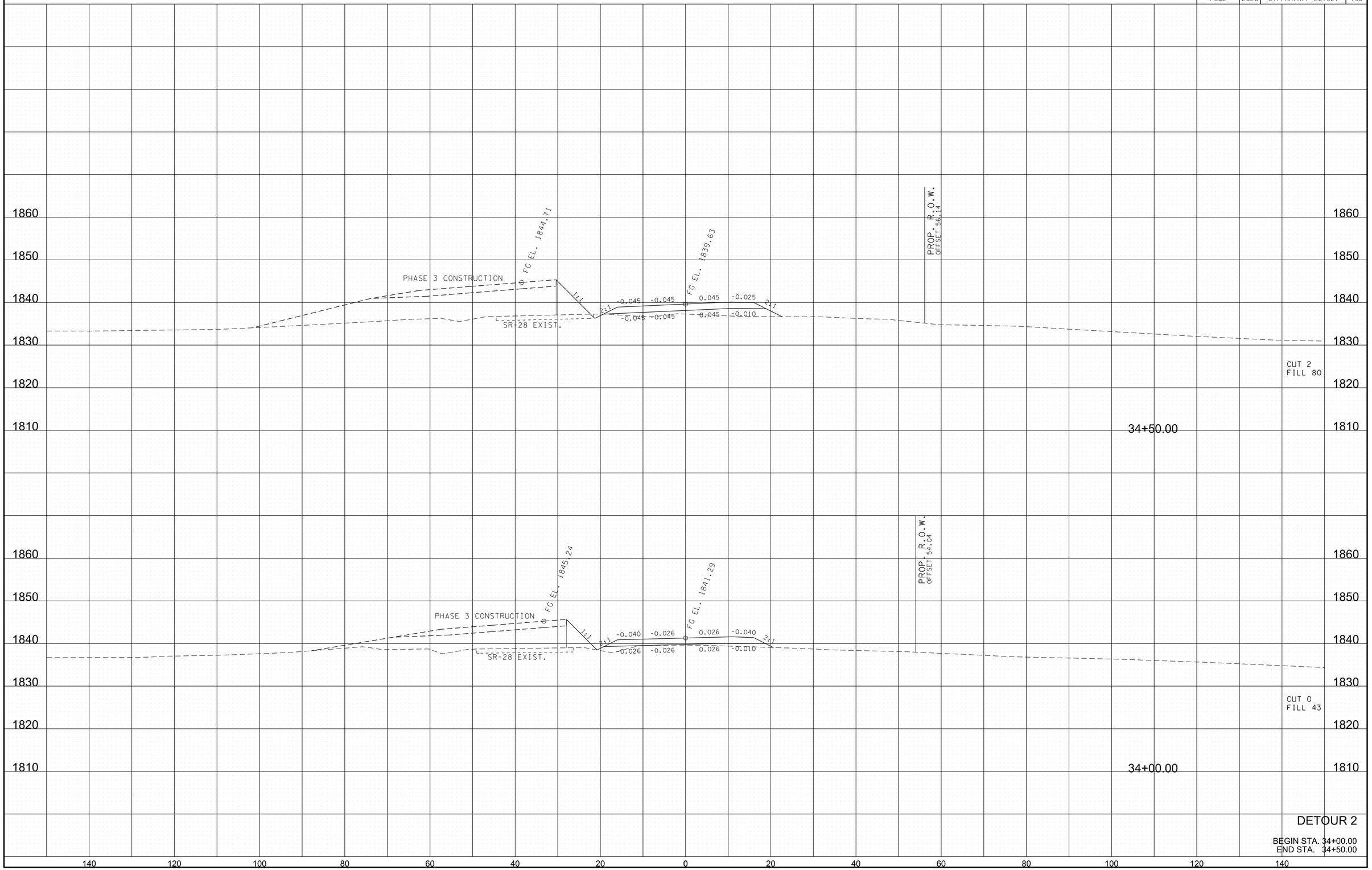
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T9D
PS&E	2026	STP/NH/HPP-28(32)	T9D



DETOUR 2

BEGIN STA. 34+00.00
END STA. 34+50.00

3/30/2026
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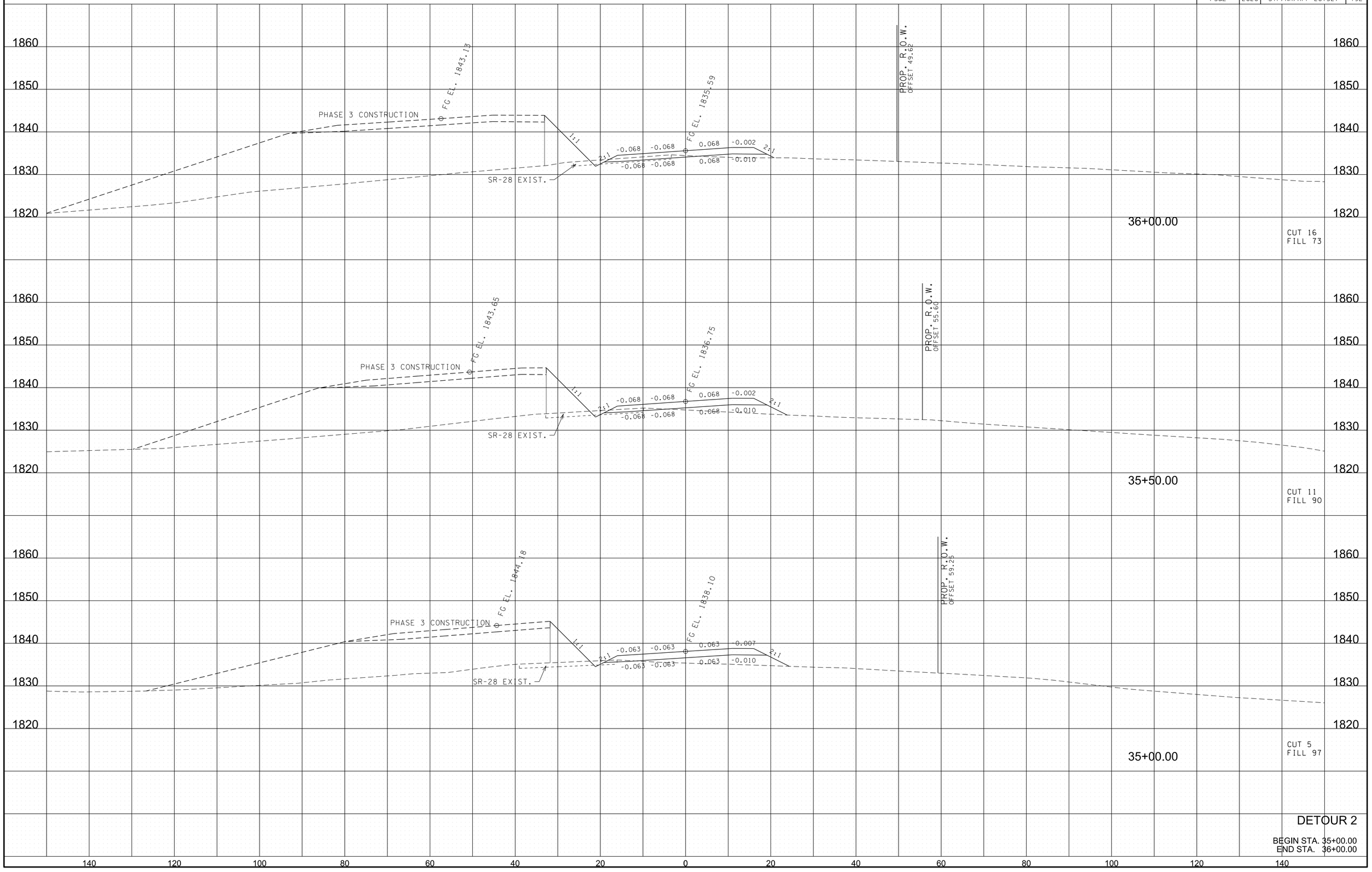
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T9E
PS&E	2026	STP/NH/HPP-28(32)	T9E



DETOUR 2

BEGIN STA. 35+00.00
END STA. 36+00.00

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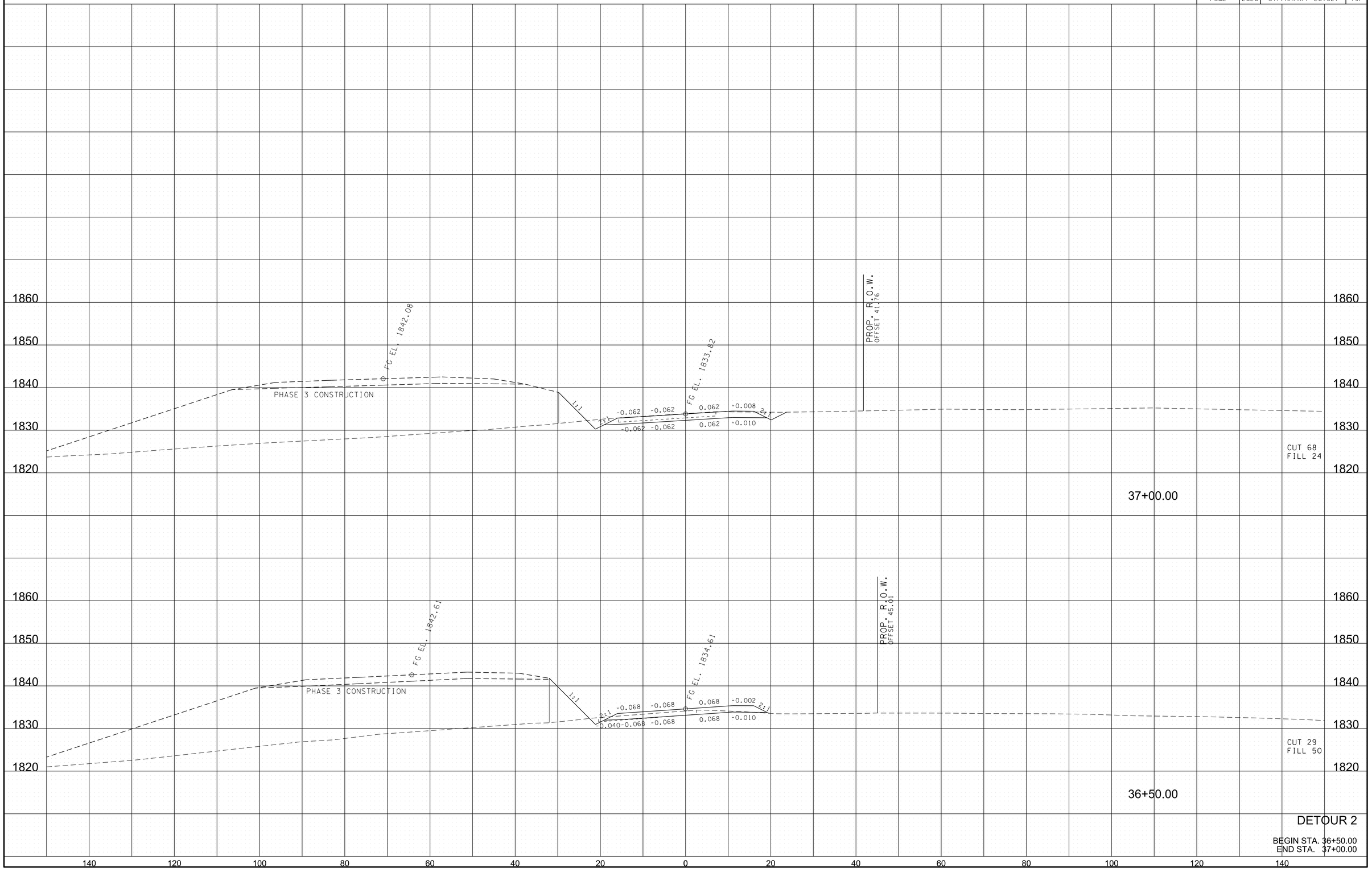
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T9F
PS&E	2026	STP/NH/HPP-28(32)	T9F



DETOUR 2

BEGIN STA. 36+50.00
END STA. 37+00.00

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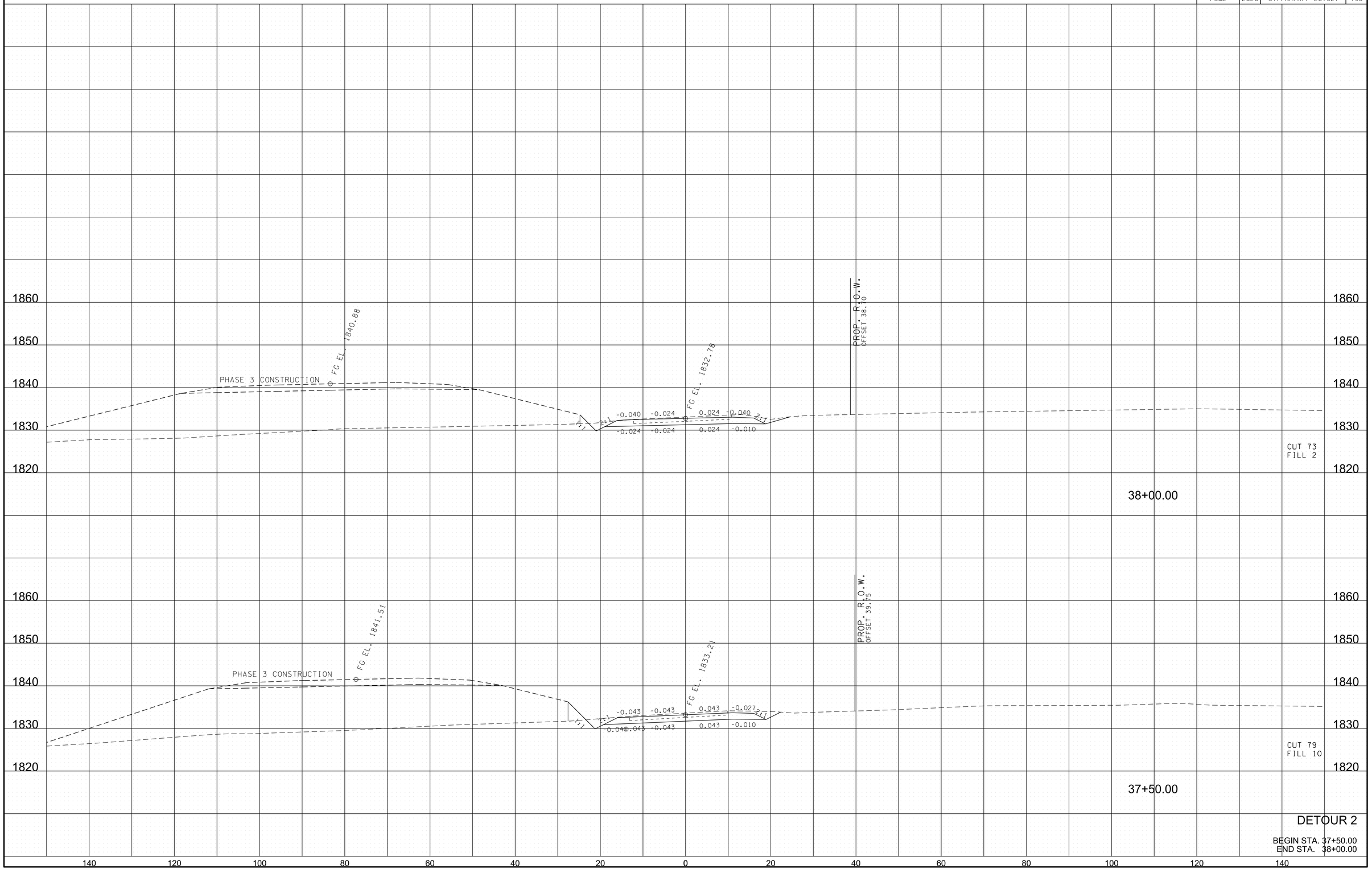
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T9G
PS&E	2026	STP/NH/HPP-28(32)	T9G



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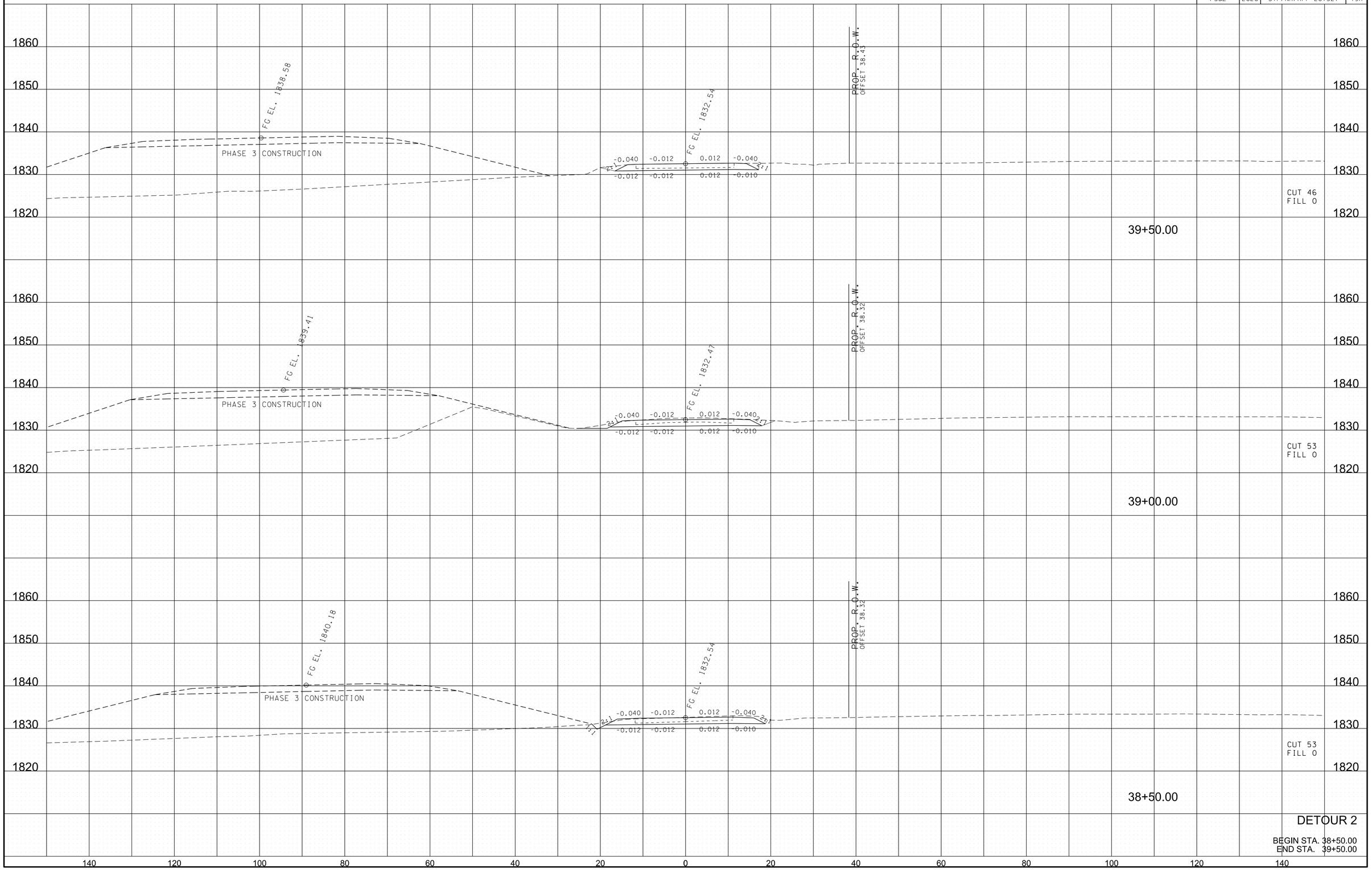
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T9H
PS&E	2026	STP/NH/HPP-28(32)	T9H



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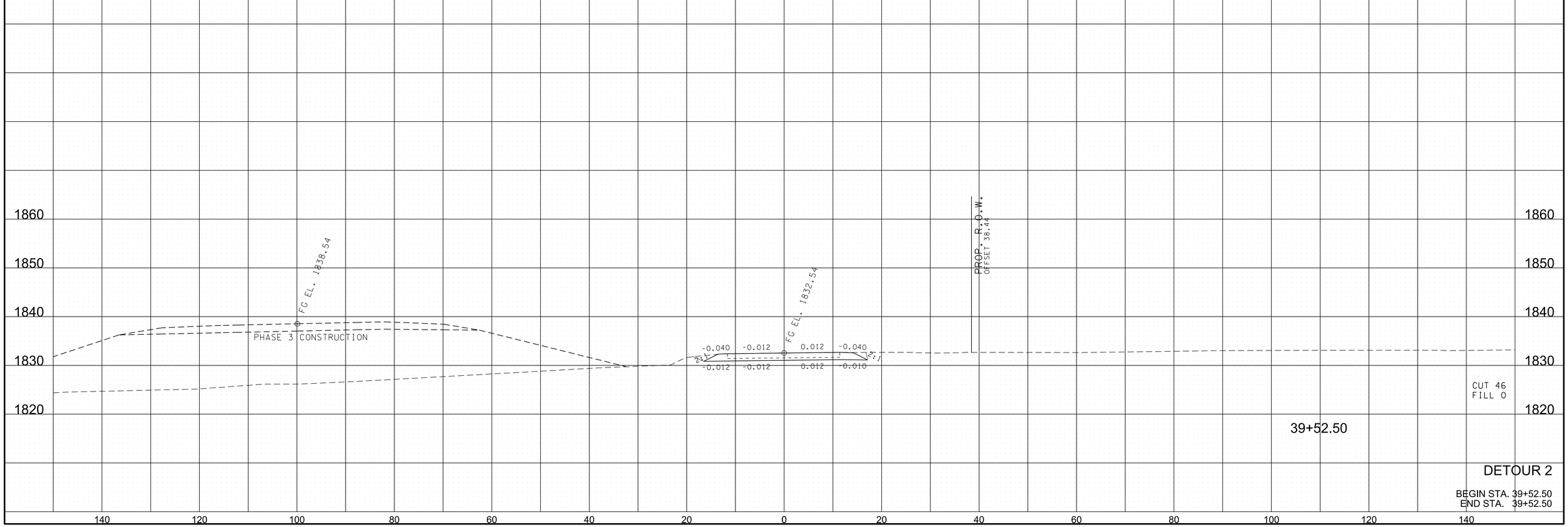
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T9J
PS&E	2026	STP/NH/HPP-28(32)	T9J



DETOUR 2

BEGIN STA. 39+52.50
END STA. 39+52.50

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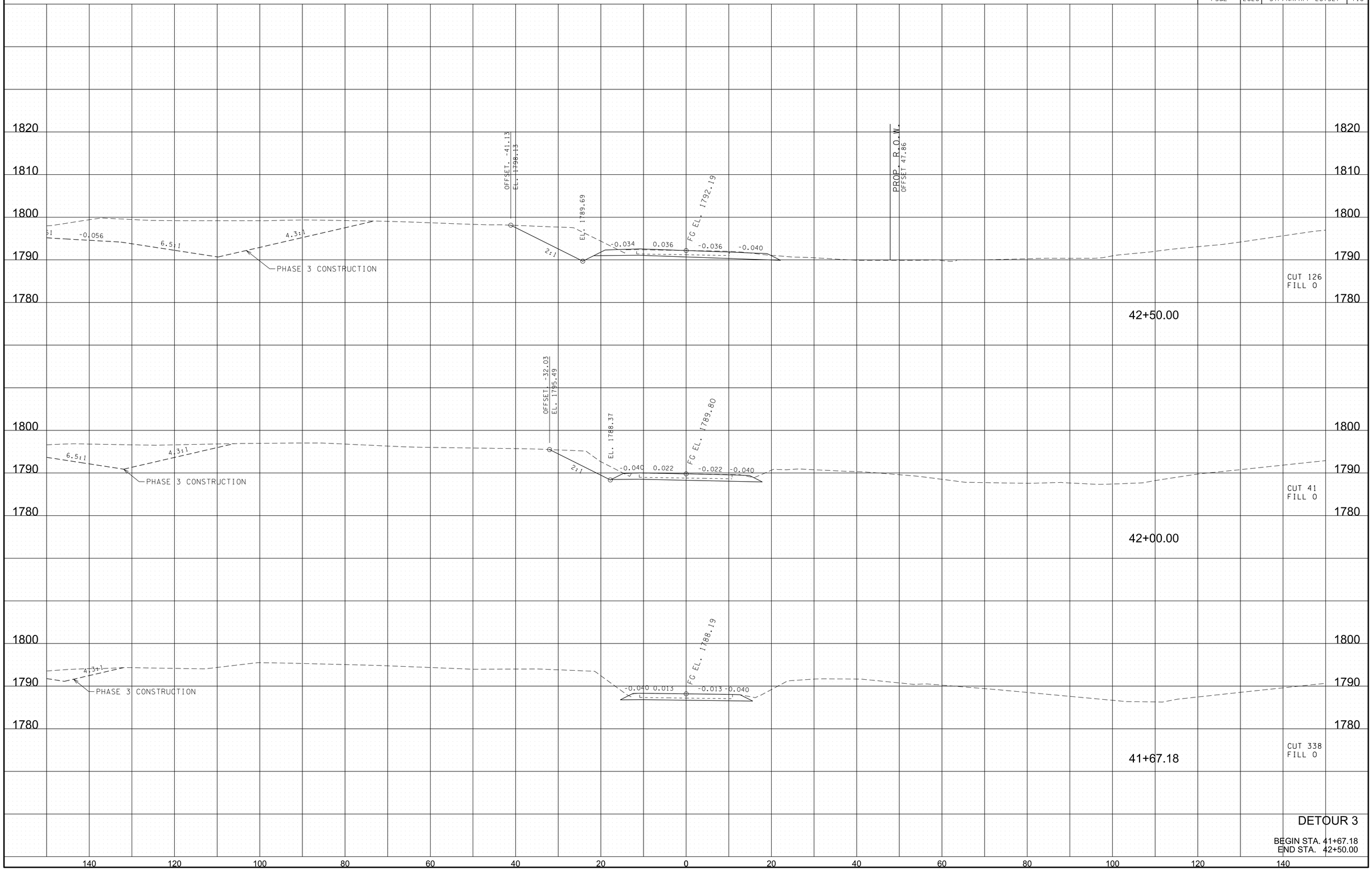
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T10
PS&E	2026	STP/NH/HPP-28(32)	T10



DETOUR 3

BEGIN STA. 41+67.18
END STA. 42+50.00

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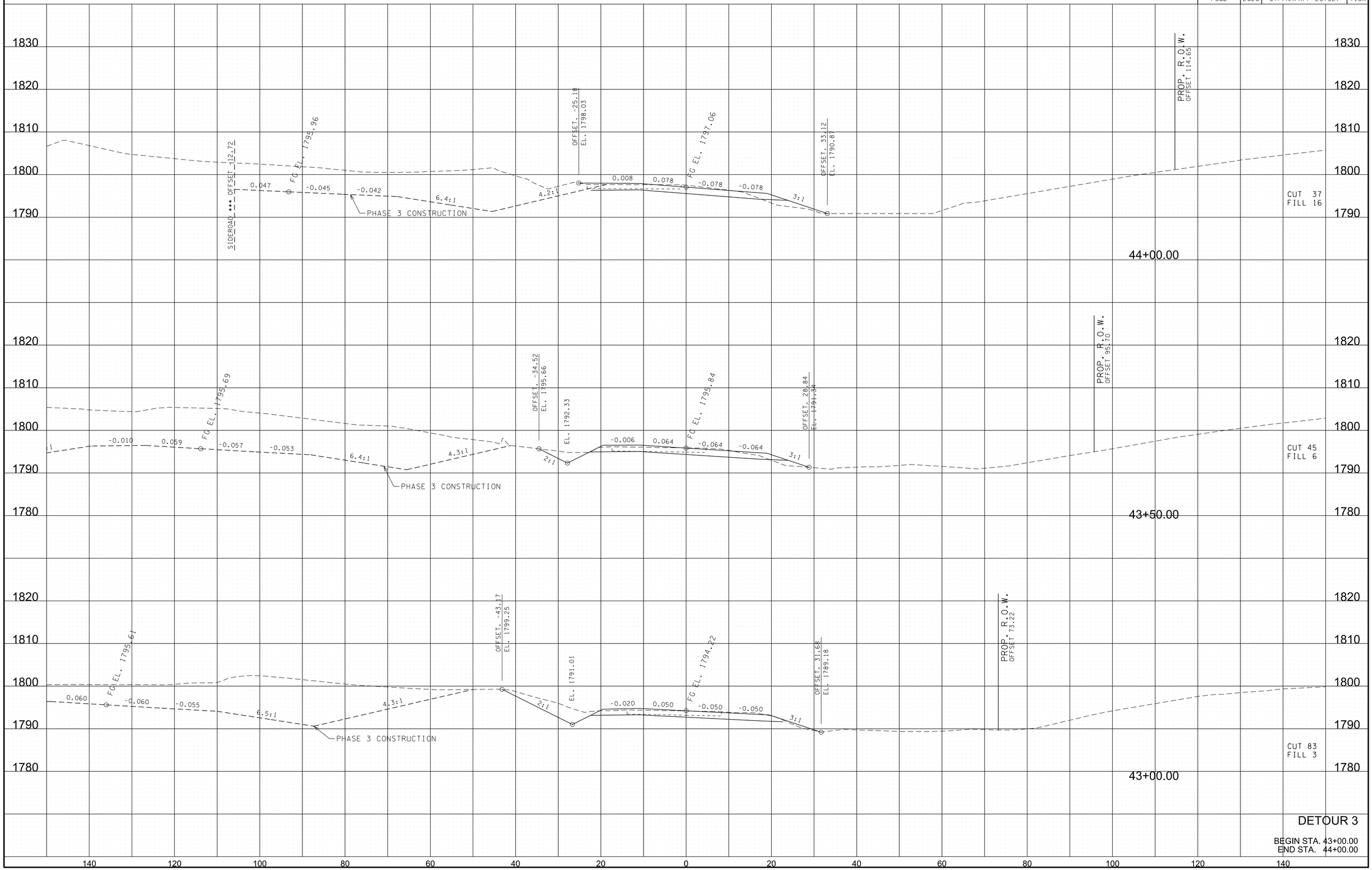
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T10A
PS&E	2026	STP/NH/HPP-28(32)	T10A



DETOUR 3

BEGIN STA. 43+00.00
END STA. 44+00.00

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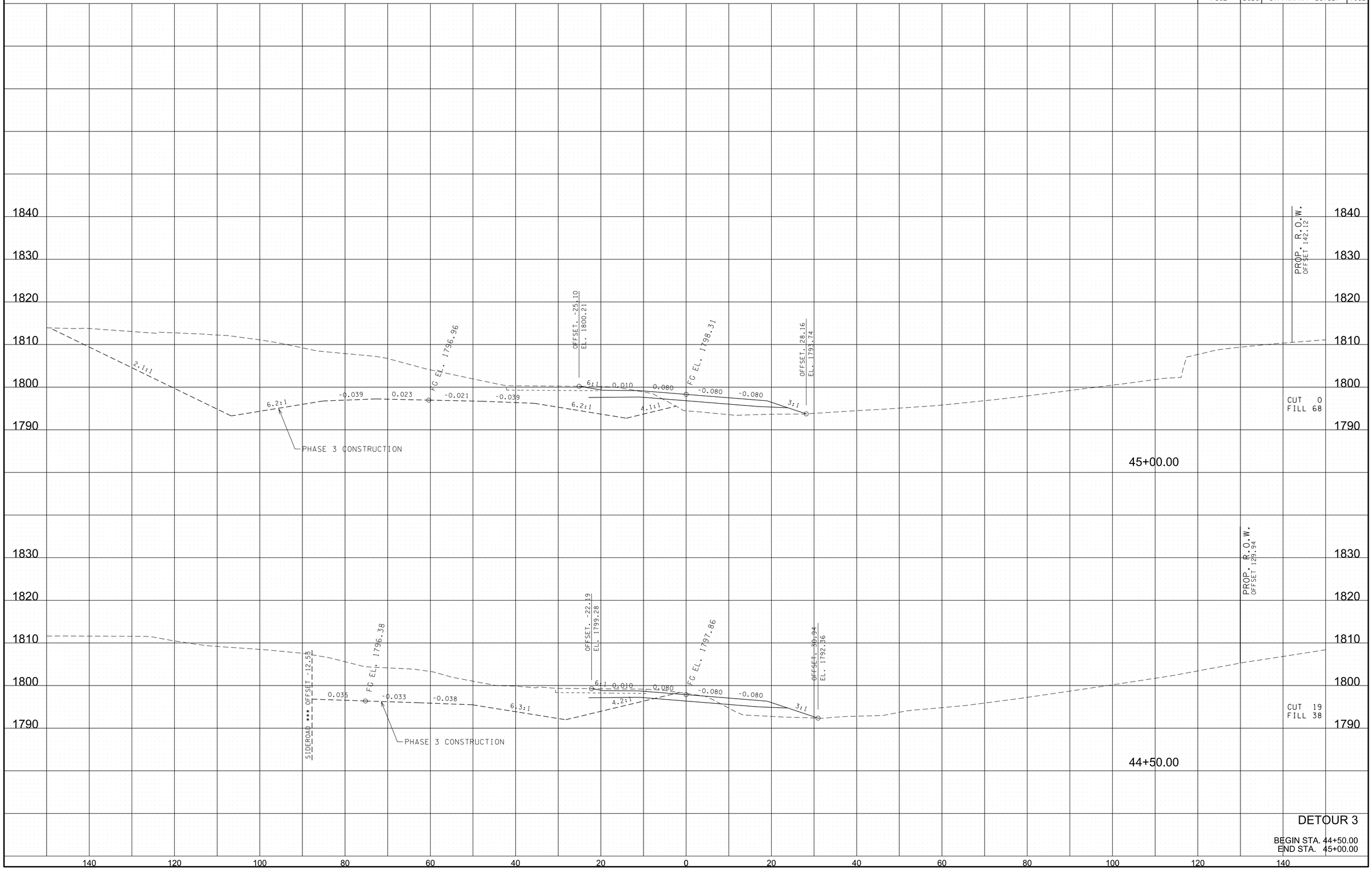
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T10B
PS&E	2026	STP/NH/HPP-28(32)	T10B



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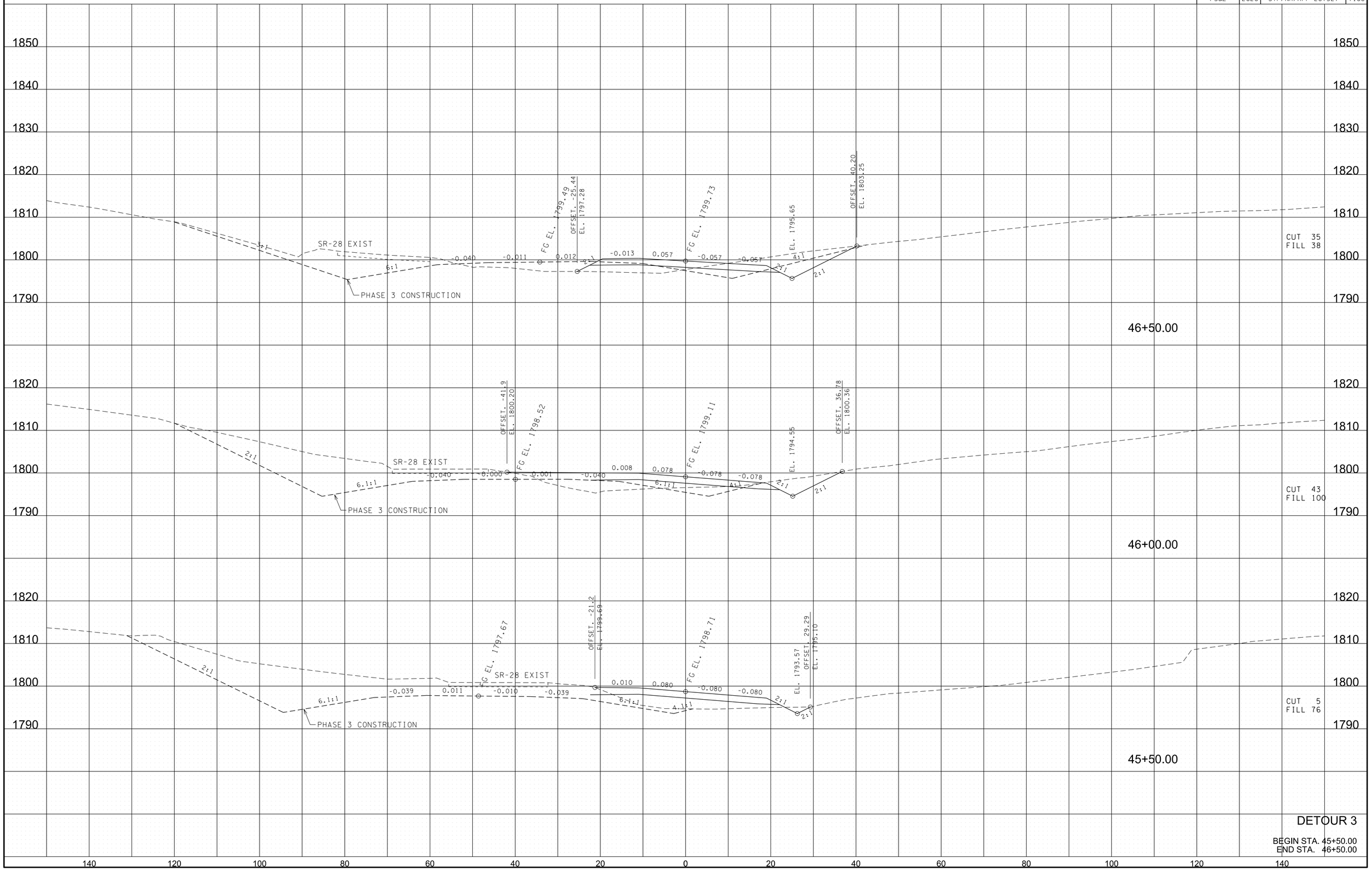
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T10C
PS&E	2026	STP/NH/HPP-28(32)	T10C



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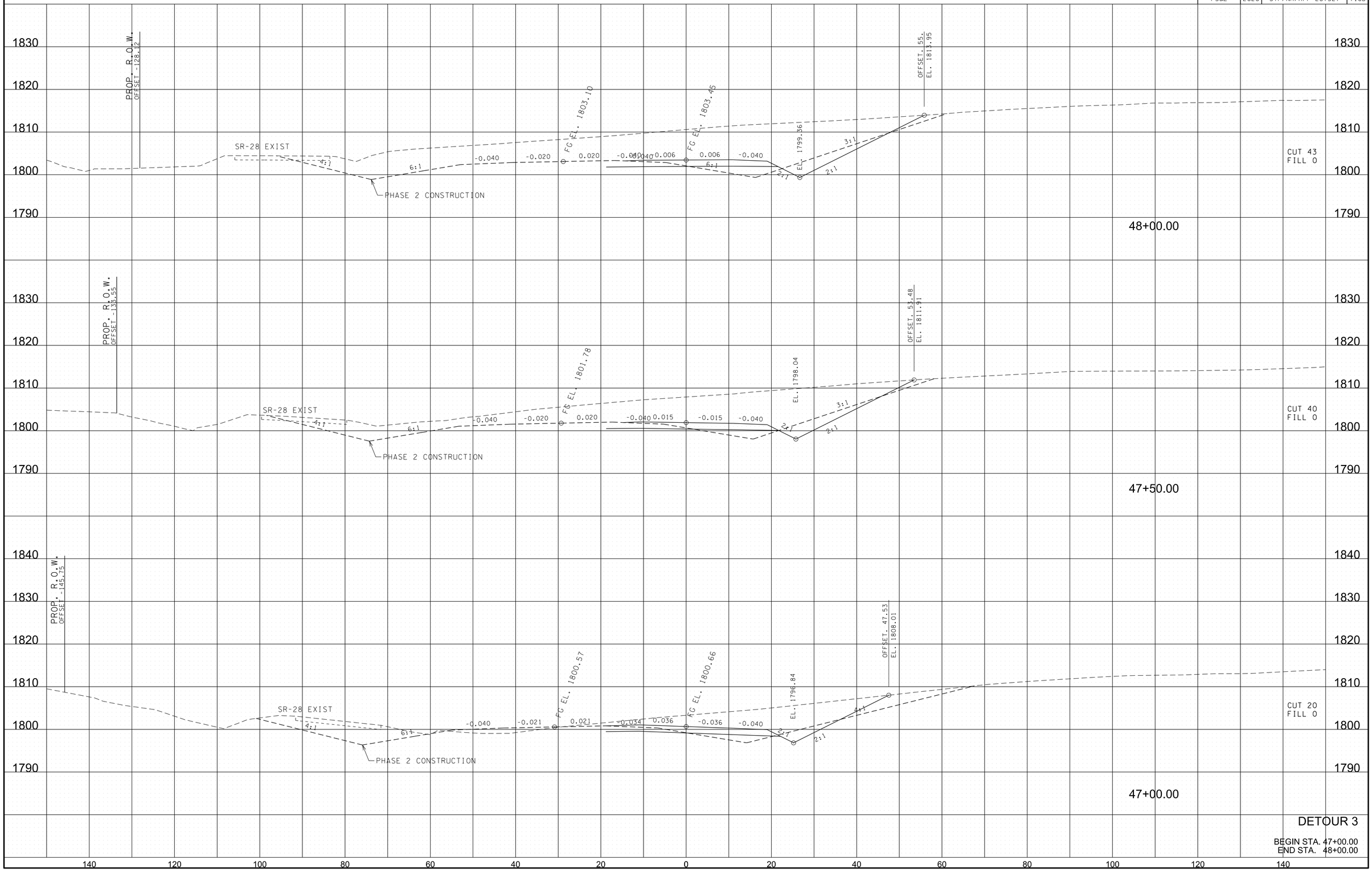
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T10D
PS&E	2026	STP/NH/HPP-28(32)	T10D



DETOUR 3

BEGIN STA. 47+00.00
END STA. 48+00.00

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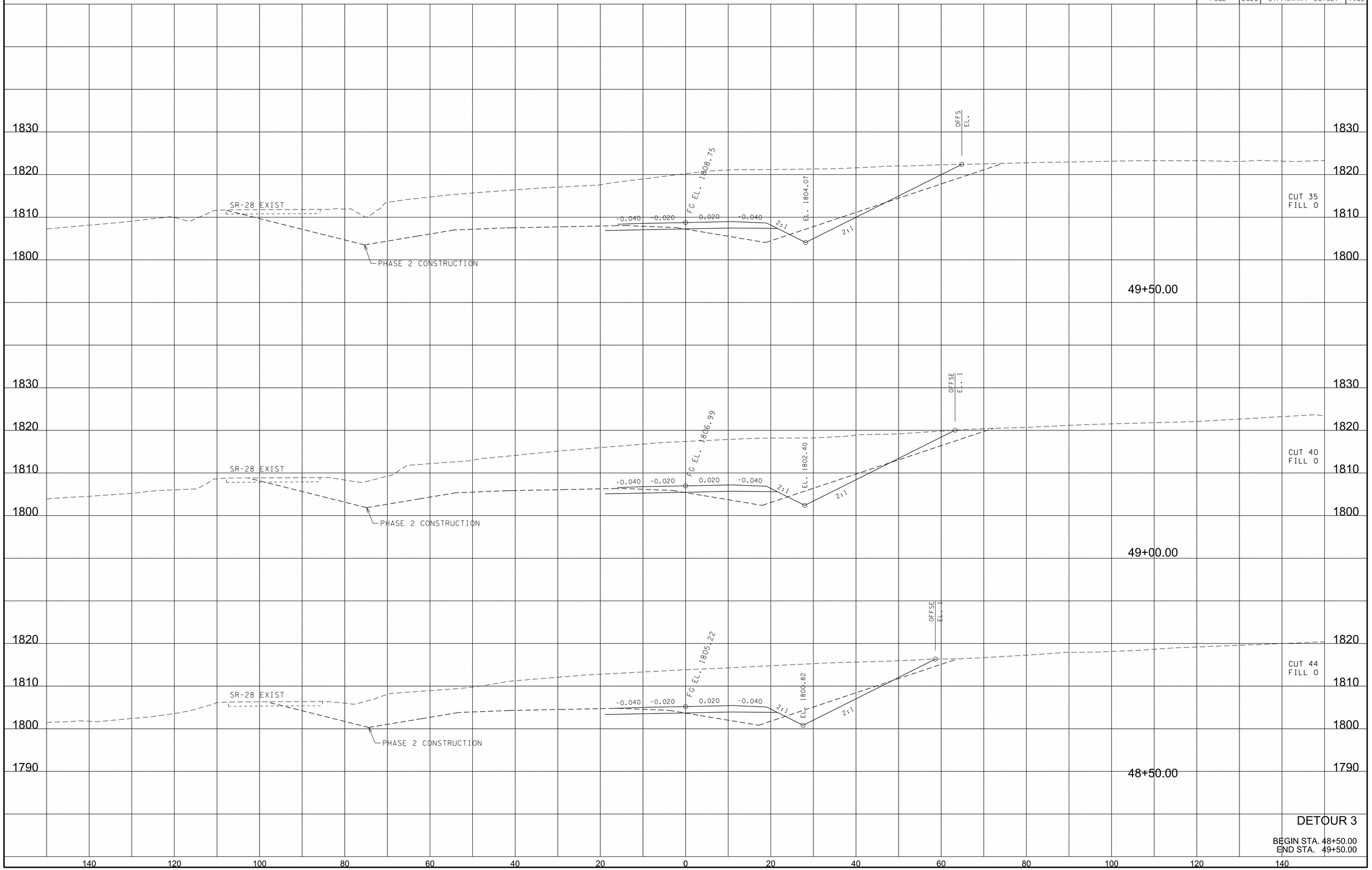
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T10E
PS&E	2026	STP/NH/HPP-28(32)	T10E



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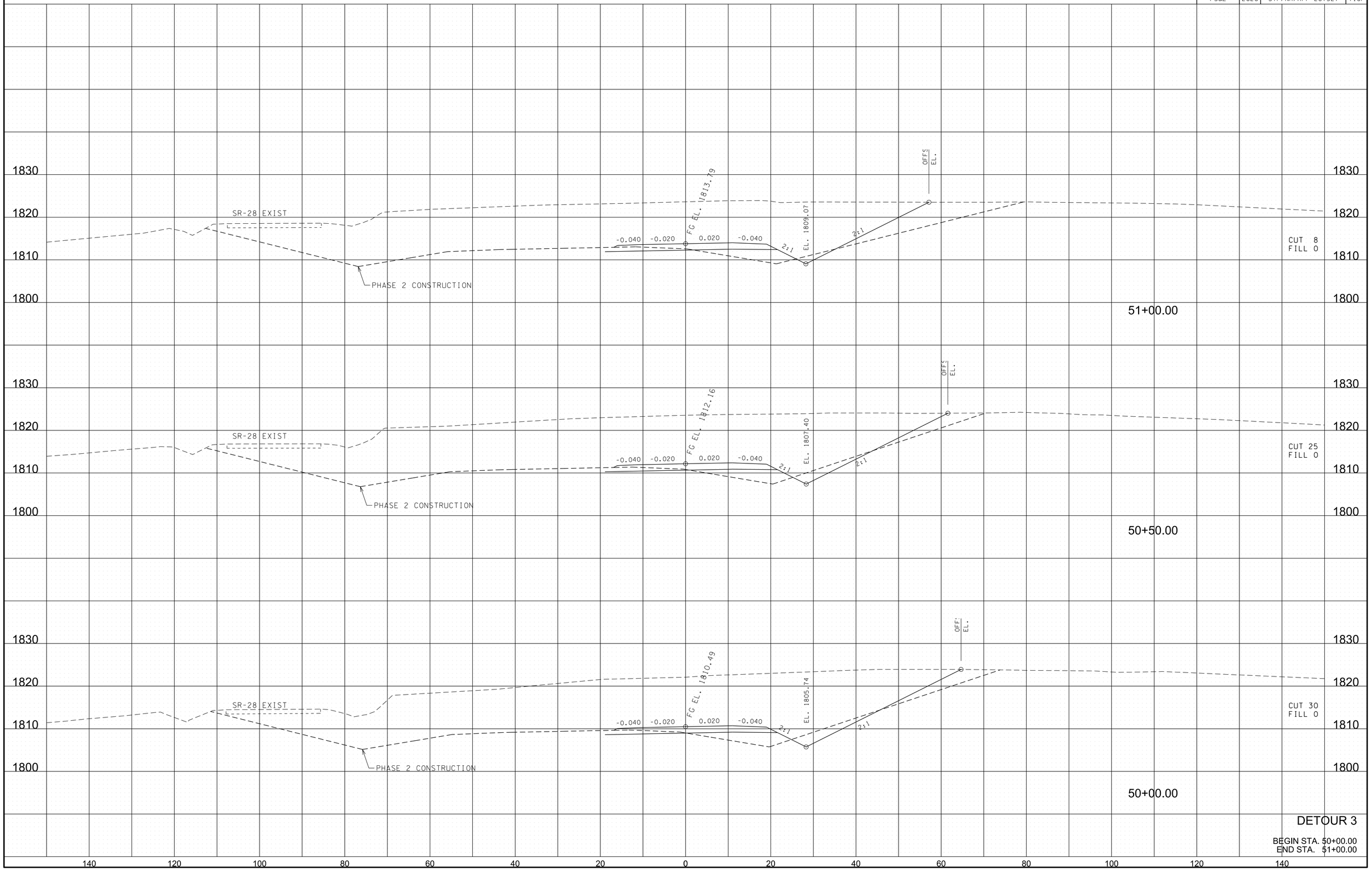
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T10F
PS&E	2026	STP/NH/HPP-28(32)	T10F



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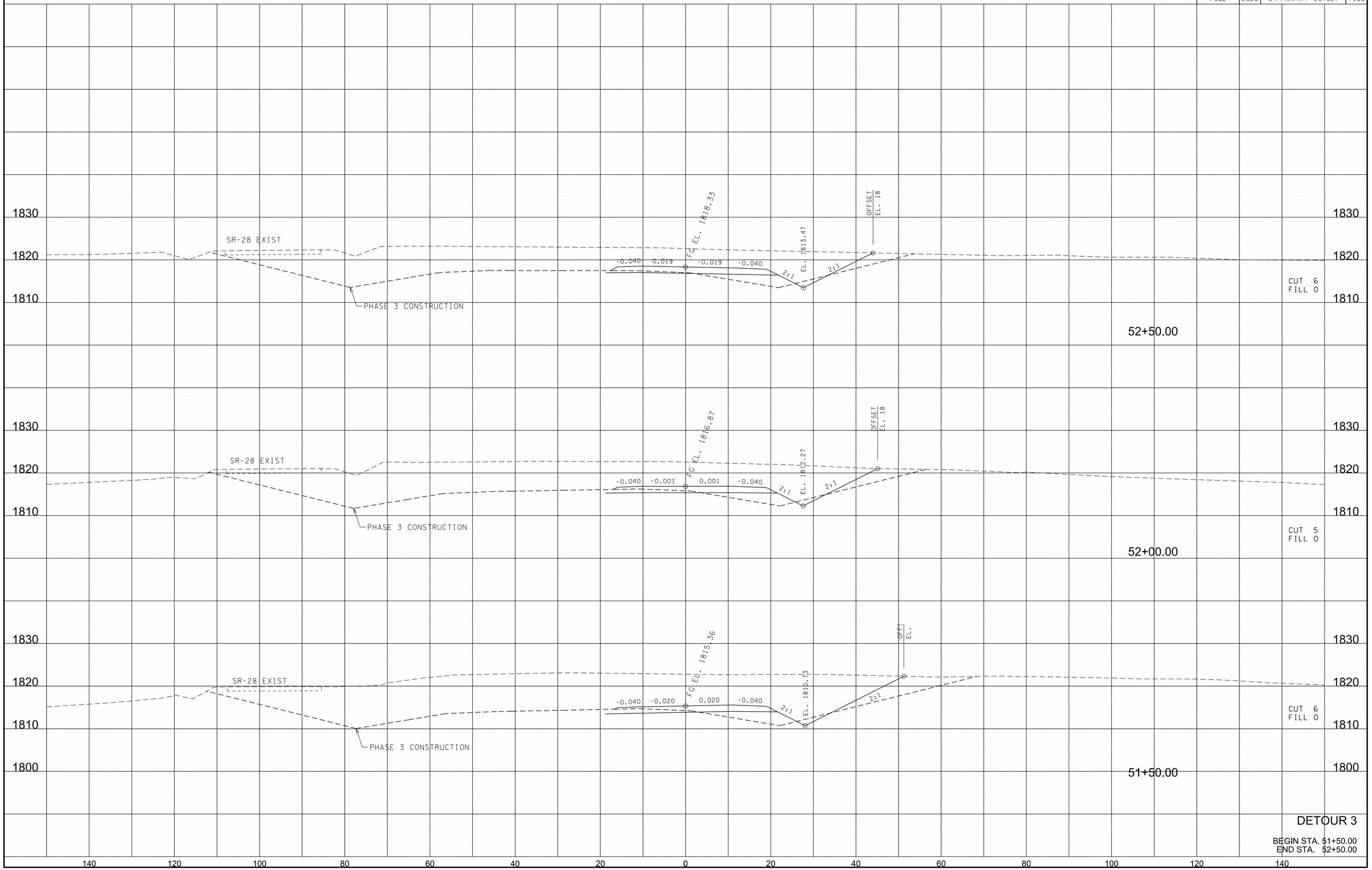
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T10G
PS&E	2026	STP/NH/HPP-28(32)	T10G



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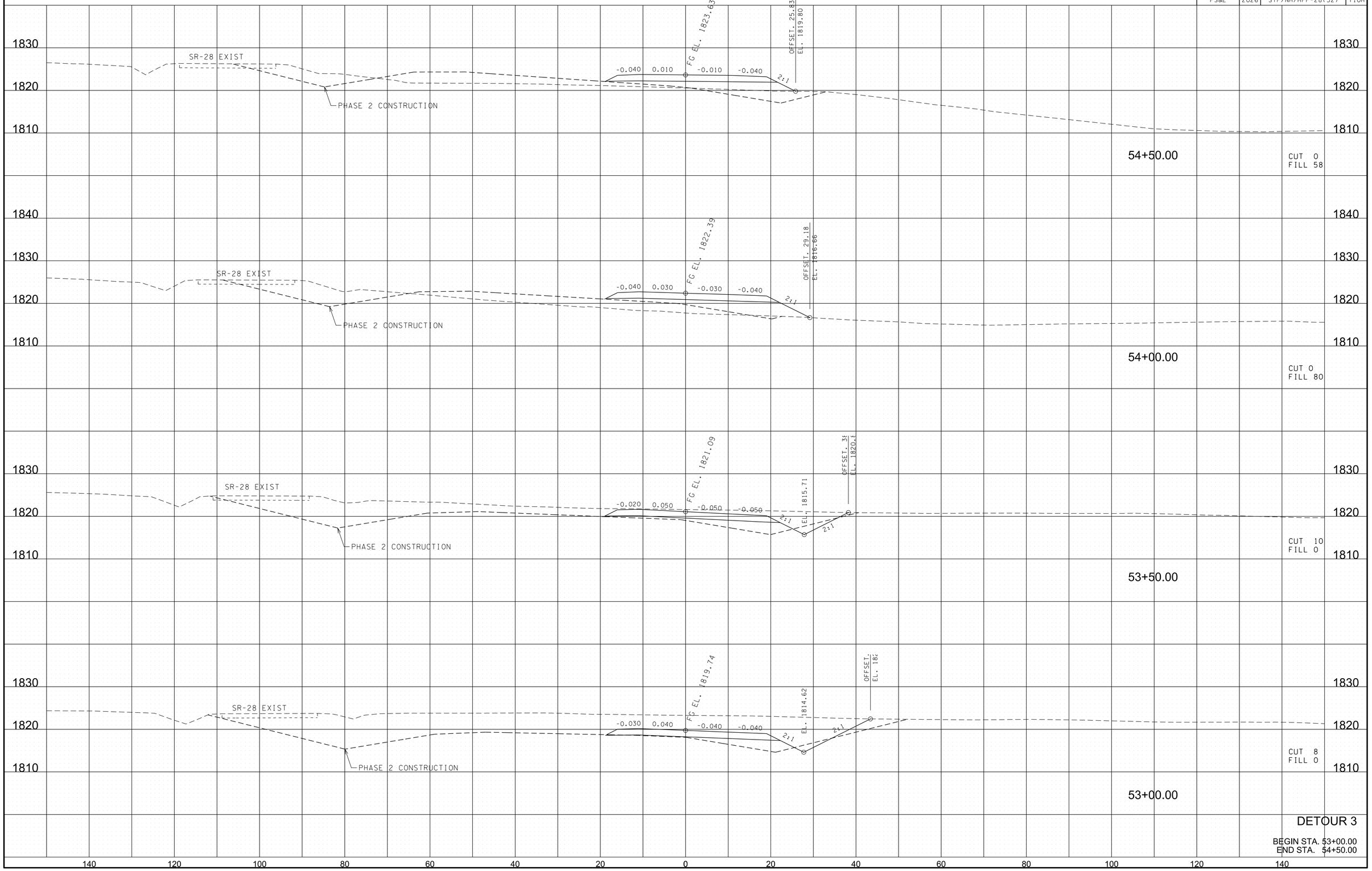
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T10H
PS&E	2026	STP/NH/HPP-28(32)	T10H



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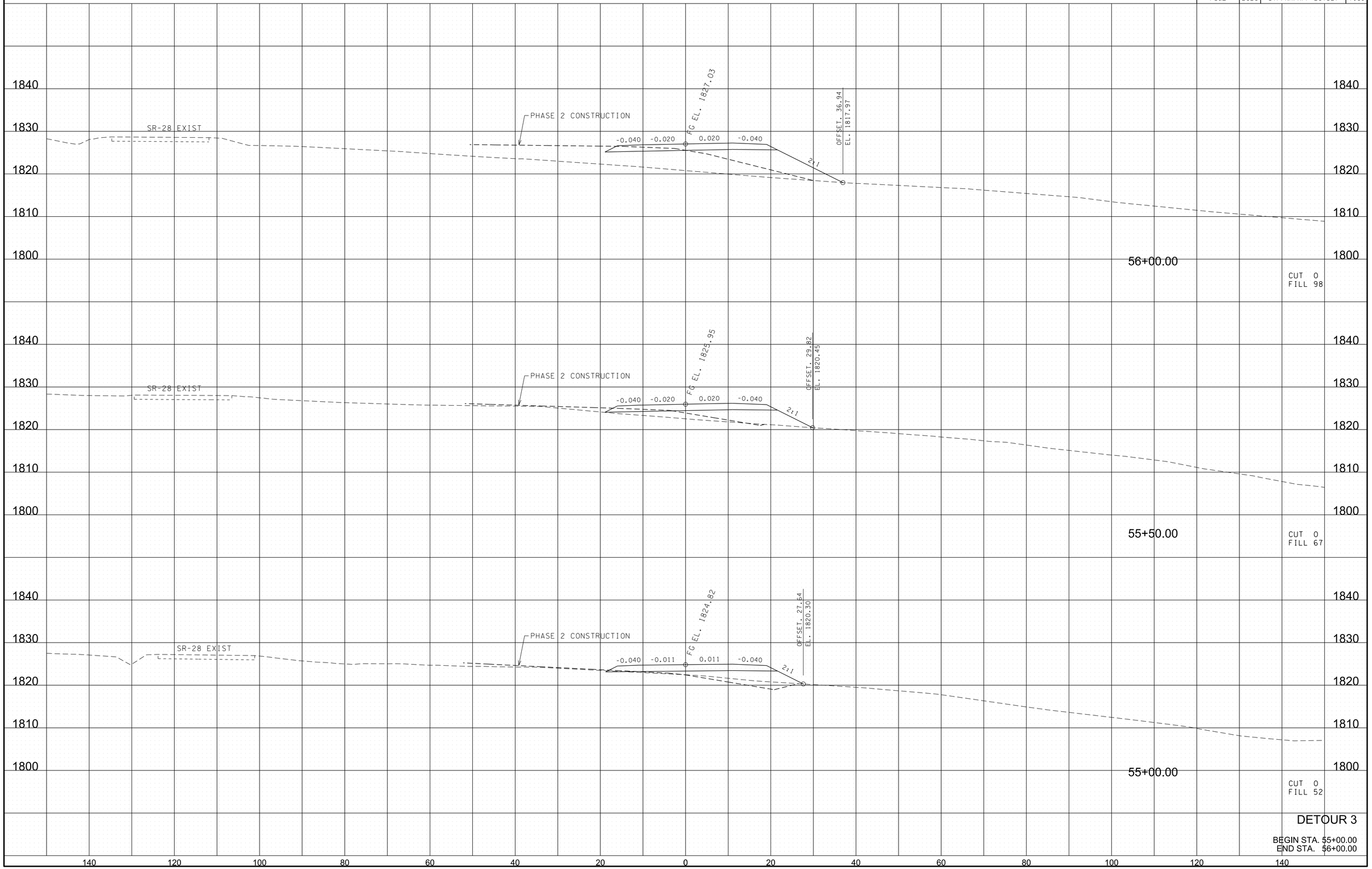
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T10J
PS&E	2026	STP/NH/HPP-28(32)	T10J



DETOUR 3

BEGIN STA. 55+00.00
END STA. 56+00.00

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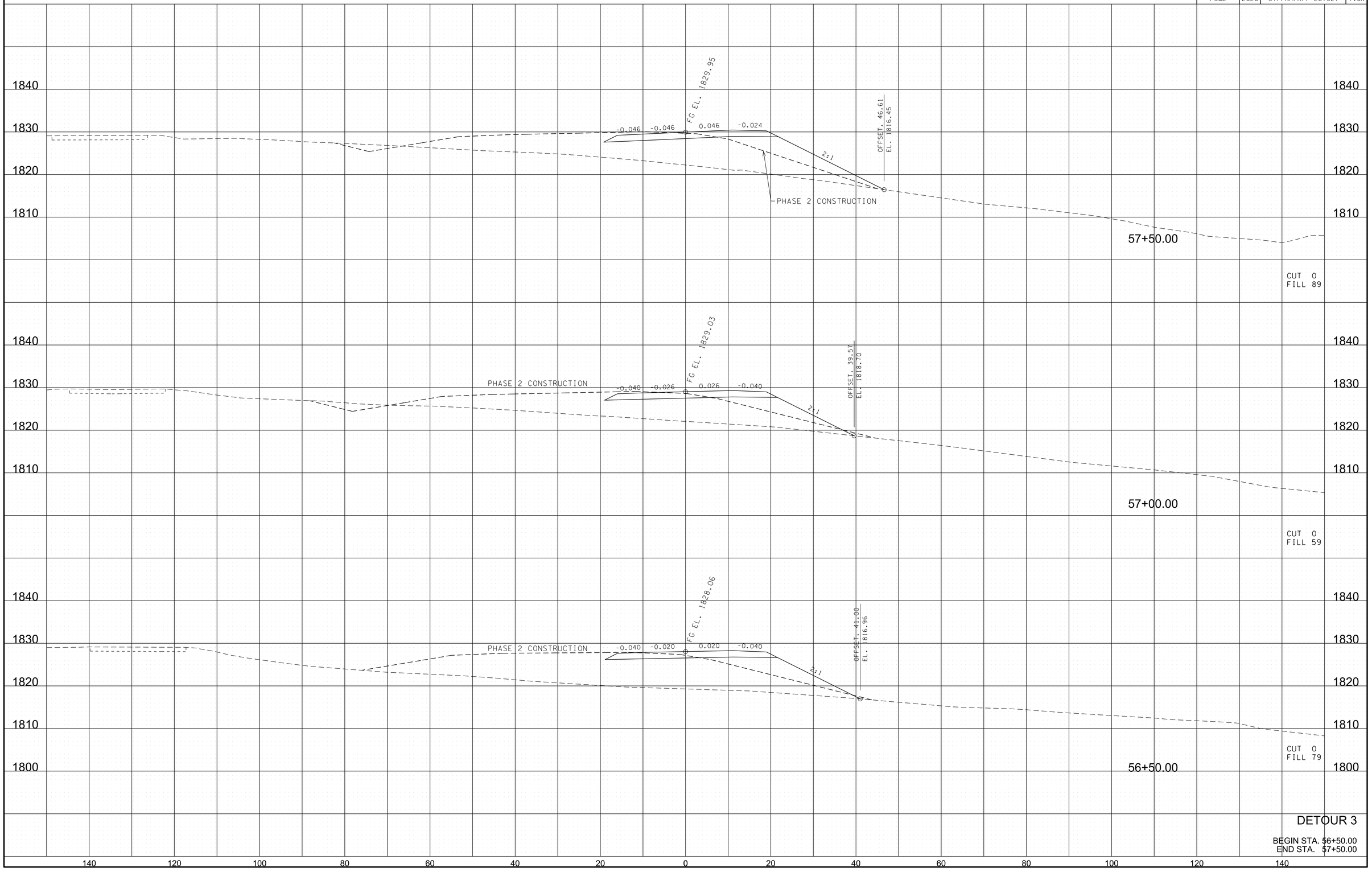
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T10K
PS&E	2026	STP/NH/HPP-28(32)	T10K



DETOUR 3

BEGIN STA. 56+50.00
END STA. 57+50.00

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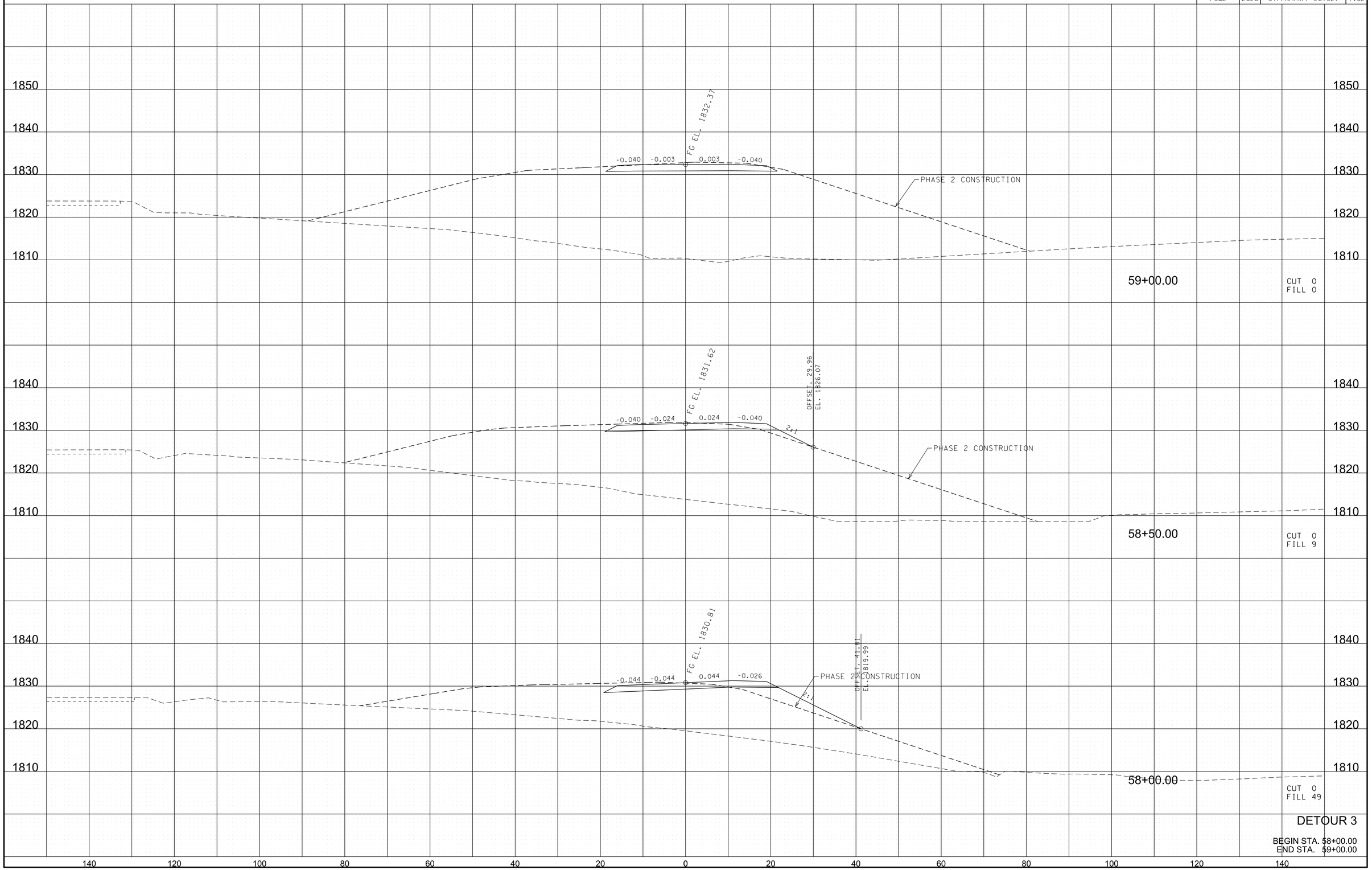
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T10L
PS&E	2026	STP/NH/HPP-28(32)	T10L



DETOUR 3

BEGIN STA. 58+00.00
END STA. 59+00.00

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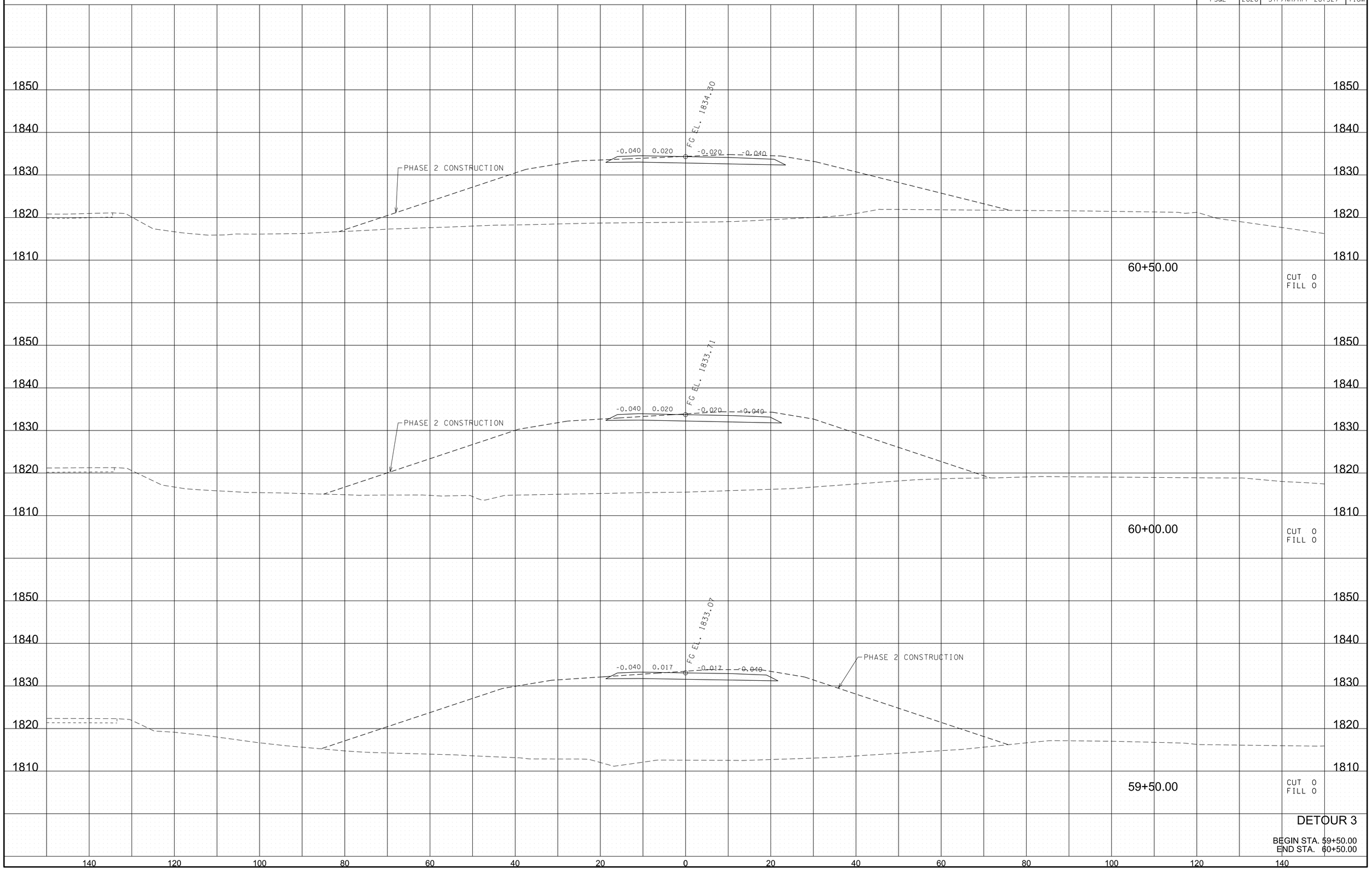
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T10M
PS&E	2026	STP/NH/HPP-28(32)	T10M



DETOUR 3

BEGIN STA. 59+50.00
END STA. 60+50.00

3/30/2026
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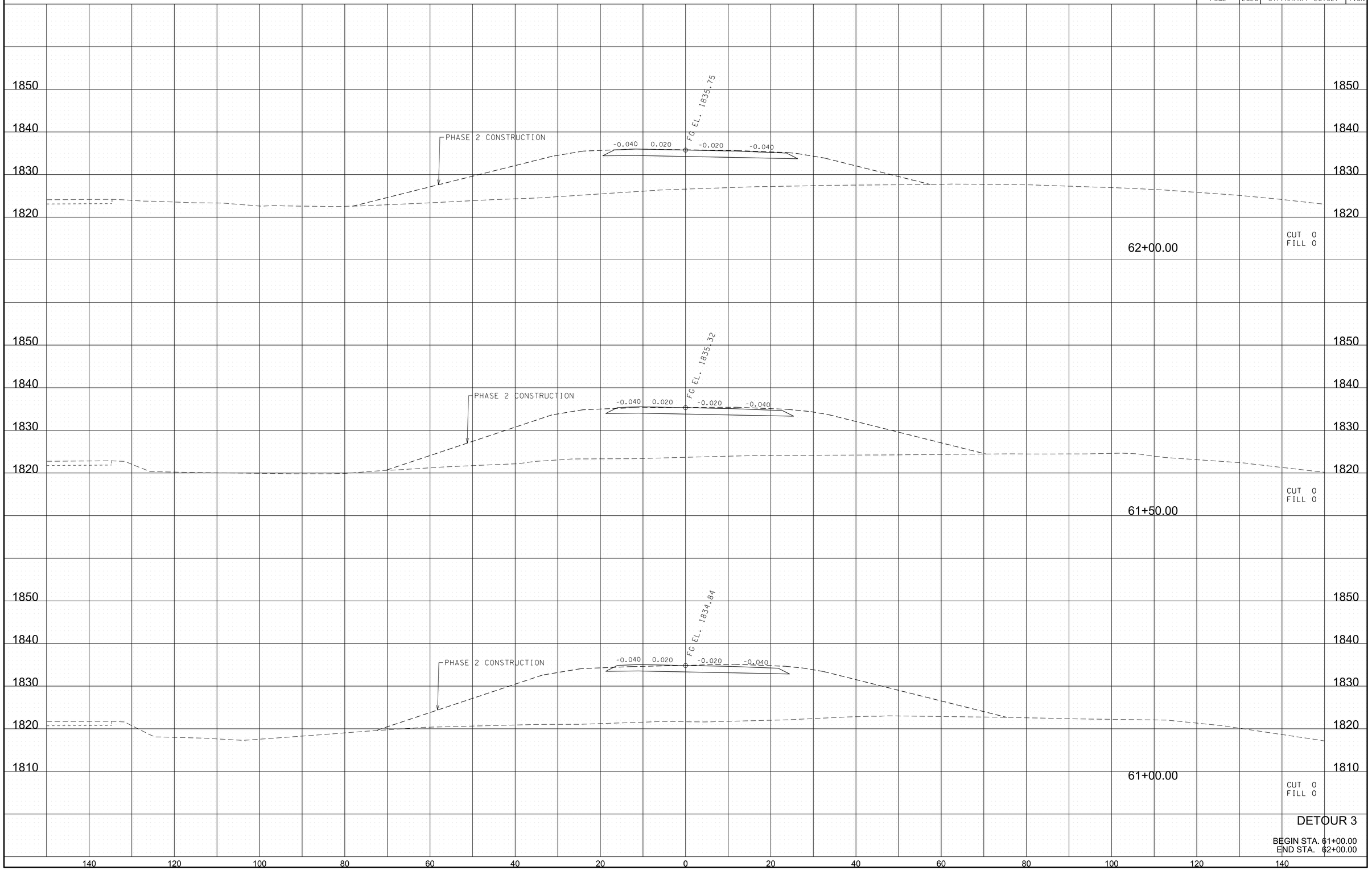
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T10N
PS&E	2026	STP/NH/HPP-28(32)	T10N



DETOUR 3

BEGIN STA. 61+00.00
END STA. 62+00.00

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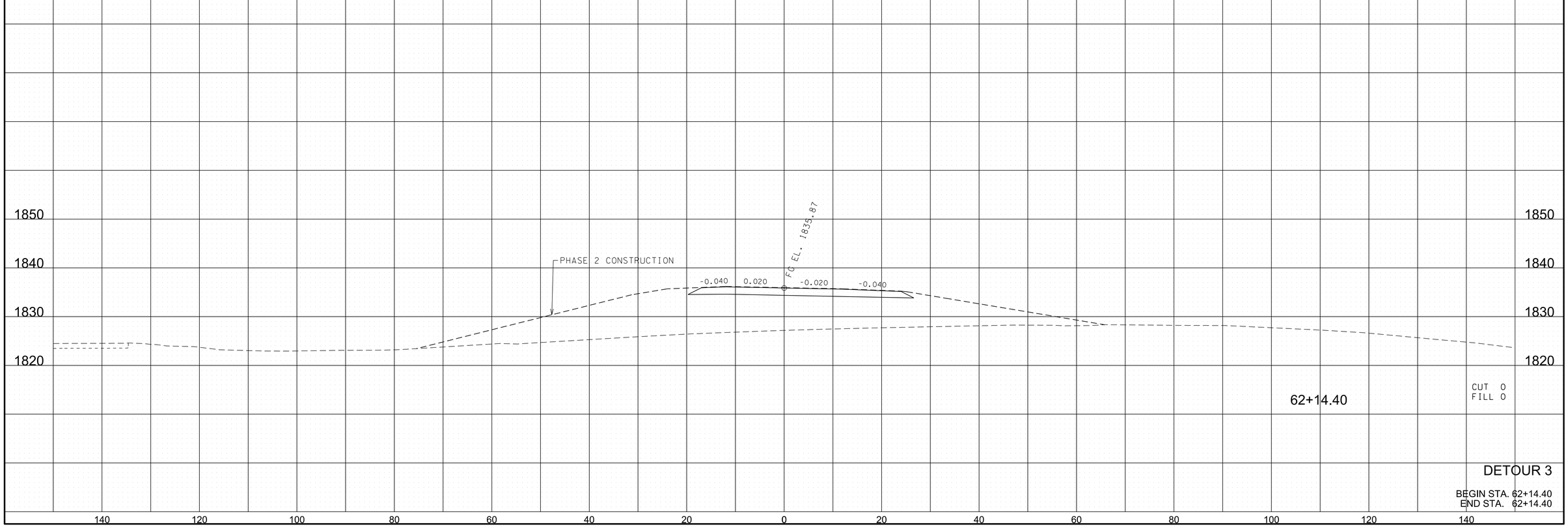
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T10P
PS&E	2026	STP/NH/HPP-28(32)	T10P



DETOUR 3

BEGIN STA. 62+14.40
END STA. 62+14.40

3/30/2026
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TENNESSEE DEPARTMENT OF TRANSPORTATION
JAMES K. POLK BUILDING, SUITE 1100
505 DEADERICK STREET
NASHVILLE, TN 37243
DAWOD BERWARY, P.E. NO. 119943

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	STRUCTURE-SIGN1
BRIDGE NO. 1: SR-28 OVER NO BUSINESS CREEK	
INDEX OF DRAWINGS	U-95-589
LAYOUT OF BRIDGE	U-95-590
GENERAL NOTES	U-95-591
ESTIMATED QUANTITIES	U-95-592
SUPERSTRUCTURE	U-95-595
SUPERSTRUCTURE DETAILS	U-95-596
SUPERSTRUCTURE DETAILS	U-95-597
SUPERSTRUCTURE DETAILS	U-95-598
BRIDGE SCREED	U-95-599
PRESTRESSED BULB-TEE BEAM	U-95-600
ABUTMENT NO. 1	U-95-601
ABUTMENT NO. 1 DETAILS	U-95-602
ABUTMENT NO. 1 DETAILS	U-95-603
ABUTMENT NO. 2	U-95-604
ABUTMENT NO. 2 DETAILS	U-95-605
ABUTMENT NO. 2 DETAILS	U-95-606
PIER NO. 1	U-95-607
PIER NO. 1 DETAILS	U-95-608
BILL OF STEEL	U-95-610



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

JAMES RIDGE RAMSEY

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TENNESSEE DEPARTMENT OF TRANSPORTATION
JAMES K. POLK BUILDING, SUITE 1100
505 DEADERICK STREET
NASHVILLE, TN 37243
JAMES RIDGE RAMSEY, P.E. NO. 128648

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.
BRIDGE NO. 2: SR-28 OVER LICKFORK CREEK	
INDEX OF DRAWINGS	U-95-611
LAYOUT OF BRIDGE	U-95-612
GENERAL NOTES	U-95-613
ESTIMATED QUANTITIES	U-95-614
SUPERSTRUCTURE	U-95-616
SUPERSTRUCTURE DETAILS	U-95-617
SUPERSTRUCTURE DETAILS	U-95-618
SUPERSTRUCTURE DETAILS	U-95-619
SUPERSTRUCTURE DETAILS	U-95-620
SUPERSTRUCTURE DETAILS	U-95-621
BRIDGE SCREED	U-95-622
PRESTRESSED BULB-TEE BEAM SPAN NO. 1	U-95-623
PRESTRESSED BULB-TEE BEAM SPAN NO. 2	U-95-624
PRESTRESSED BULB-TEE BEAM SPAN NO. 3	U-95-625
ABUTMENT NO. 1	U-95-626
ABUTMENT NO. 1 DETAILS	U-95-627
ABUTMENT NO. 1 DETAILS	U-95-628
ABUTMENT NO. 2	U-95-629
ABUTMENT NO. 2 DETAILS	U-95-630
ABUTMENT NO. 2 DETAILS	U-95-631
PIER NO. 1	U-95-632
PIER NO. 1 DETAILS	U-95-633
PIER NO. 2	U-95-634
PIER NO. 2 DETAILS	U-95-635
PIER NO. 1 AND NO. 2 DETAILS	U-95-636
BILL OF STEEL	U-95-638
BILL OF STEEL	U-95-639

YEAR	PROJECT NO.	SHEET NO.
2026	STP/NH/HPP-28(32)	STRUCTURE-SIGN1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

$$$$$SYTIME$$$$$$$

CONST. NO.: 18008-3230-14

PROJECT NO.	TYPE	YEAR	SHEET NO.
STP/NH/HPP-28(32)	PS&E	2026	B2

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
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CUMBERLAND COUNTY

BRIDGE NO. 1	BRIDGE NO. 2
STATE ROUTE 28 OVER NO BUSINESS CREEK BRIDGE ID NO. 18SR0280020 STATION 1339+01.10	STATE ROUTE 28 OVER LICKFORK CREEK BRIDGE ID NO. 18SR0280015 STATION 1396+75.00
CONTINUOUS PRECAST, PRESTRESSED CONCRETE 54" BULB-TEE BEAM WITH COMPOSITE DECK SLAB	CONTINUOUS PRECAST, PRESTRESSED CONCRETE 72" BULB-TEE BEAM WITH COMPOSITE DECK SLAB
2 SPAN BRIDGE SPAN NO. 1 = 82'-0" SPAN NO. 2 = 82'-0" TOTAL LENGTH = 164'-0"	3 SPAN BRIDGE SPAN NO. 1 = 143'-6" SPAN NO. 2 = 149'-0" SPAN NO. 3 = 107'-6" TOTAL LENGTH = 400'-0"
48'-0" ROADWAY WITH STD-1-1SS PARAPET	48'-0" ROADWAY WITH STD-1-1SS PARAPET
76°22'26" SKEW	62°15'49.32" SKEW
LAYOUT DWG. NO. U-95-590	LAYOUT DWG. NO. U-95-612

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITIES	QUANTITIES	TOTAL QUANTITIES	UNIT
204-02.01	DRY EXCAVATION (BRIDGES)	186	322	508	C.Y.
204-03.01	WET EXCAVATION (BRIDGES)	100		100	C.Y.
204-04.01	ROCK EXCAVATION (BRIDGES)	8	25	33	C.Y.
204-05	ROCK DRILLING (BRIDGES)	24		24	L.F.
204-05.01	CORE DRILLING AND SAMPLING		201	201	L.F.
204-10.01	FOUNDATION PREPARATION PIER NO. 1 STATION 1339+01.10	1		1	L.S.
204-14	CORE DRILLING FOR PILES (ROCK)	188	245	433	L.F.
204-15	CORE DRILLING FOR PILES (SOIL)	34		34	L.F.
303-01.02	GRANULAR BACKFILL (BRIDGES)	59	60	119	TON
604-02.03	EPOXY COATED REINFORCING STEEL	66,001	203,788	269,789	LB.
604-03.01	CLASS A CONCRETE (BRIDGES)	250	478	728	C.Y.
604-03.02	STEEL BAR REINFORCEMENT (BRIDGES)	32,410	89,661	122,071	LB.
604-03.04	PAVEMENT @ BRIDGE ENDS	256	248	504	S.Y.
604-03.32	CLASS DS CONCRETE	237	620	857	C.Y.
604-04.01	APPLIED TEXTURE FINISH (NEW STRUCTURES)	933	2,480	3,413	S.Y.
604-04.41	THREE STAR STATE EMBLEM	4	4	8	EA.
604-05.31	BRIDGE DECK GROOVING (MECHANICAL)	1,056	2,232	3,288	S.Y.
606-03.03	STEEL PILES (12 INCH)	253	266	519	L.F.
615-01.10	PRESTRESSED CONCRETE BULB TEE BEAM (6" WEB)(BT-54)	795		795	L.F.
615-01.12	PRESTRESSED CONCRETE BULB TEE BEAM (6" WEB)(BT-72)		2,354	2,354	L.F.
620-05.01	CONCRETE PARAPET SINGLE SLOPE (STD-1-1SS)	390	875	1,265	L.F.
625-01.10	CAMERA INSPECTION - DRILLED SHAFT (DRY)		3	3	EA.
625-01.11	CAMERA INSPECTION - DRILLED SHAFT (UNDER WATER)		3	3	EA.
625-02.01	DRILLED SHAFT - SOIL (6'-0" DIAMETER)		20	20	V.F.
625-02.13	DRILLED SHAFT - ROCK (5'-6" DIAMETER)		60	60	V.F.
625-02.14	DRILLED SHAFT - ROCK (6'-0" DIAMETER)		75	75	V.F.
625-02.25	DRILLED SHAFT CASING - PERMANENT (6'-0" INSIDE DIAMETER)		105	105	V.F.
625-02.40	DRILLED SHAFT (SH-SCC) CONCRETE		162	162	C.Y.
625-02.44	DRILLED SHAFT REINFORCING STEEL		42,355	42,355	LB.
710-09.01	6" PERFORATED PIPE WITH VERTICAL DRAIN SYSTEM	146	168	314	L.F.
710-09.02	6" PIPE UNDERDRAIN	46	84	130	L.F.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
BRIDGE
QUANTITIES

PIN NO.: 100260.03
DESIGN BY: J. FALCE/R. RAMSEY DATE: 07-25
DRAWN BY: T. WISEMAN DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: R. LEFEVRE/D. BERWARY DATE: 03-26

3/31/2026 8:35:57 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
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LIST OF STANDARD DRAWINGS	DWG.NO.	LAST REV.DATE
BRIDGE END DRAIN FLUME DETAILS	D-FLU-3	04-14-25
BRIDGE RAILING SINGLE SLOPE CONCRETE PARAPET	STD-1-1SS	07-09-25
REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS	STD-1-5	6-05-23
BRIDGE END DRAIN DETAILS 2' X 8'-7" & 4' X 8'-7" W/ PAVEMENT AT BRIDGE ENDS	STD-1-6	05-10-21
BRIDGE END DRAIN DETAILS 2' X 8'-7" & 4' X 8'-7" W/ PAVEMENT AT BRIDGE ENDS	STD-1-7	05-10-21
BRIDGE END DRAIN DETAILS 2' X 8'-7" W/ PAVEMENT AT BRIDGE ENDS	STD-1-8	05-10-21
STANDARD PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS	STD-4-1	04-08-05
STANDARD PRECAST PRESTRESSED BRIDGE DECK PANELS DESIGN CRITERIA	STD-4-2	04-08-05
STANDARD PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS	STD-4-3	03-02-02
STANDARD PRECAST PRESTRESSED BRIDGE DECK PANELS CONSTRUCTION DETAILS	STD-4-4	06-10-96
STANDARD PILE DETAILS	STD-5-1	
STANDARD SEISMIC DETAILS	STD-6-1	12-08-23
TRI-STAR STATE EMBLEM	STD-8-6	10-03-18
REINFORCEMENT BAR SUPPORT DETAILS FOR CONCRETE SLABS	STD-9-1	10-07-08
MISCELLANEOUS ABUTMENT AND DRAINAGE DETAILS	STD-10-1	06-05-23
MISC. ABUTMENT & PAVEMENT AT BRIDGE ENDS BACKFILL DETAILS	STD-10-2	06-05-23
STANDARD DETAILS AND INTERMEDIATE DIAPHRAGM DETAILS FOR BULB-TEE BEAMS	STD-14-1	06-05-23

LIST OF DRAWINGS	DWG. NO.	LAST REV.DATE
INDEX OF DRAWINGS	U-95-589	
LAYOUT OF BRIDGE	U-95-590	
GENERAL NOTES	U-95-591	
ESTIMATED QUANTITIES	U-95-592	
FOUNDATION DATA	U-95-593	
FOUNDATION DATA	U-95-594	
SUPERSTRUCTURE	U-95-595	
SUPERSTRUCTURE DETAILS	U-95-596	
SUPERSTRUCTURE DETAILS	U-95-597	
SUPERSTRUCTURE DETAILS	U-95-598	
BRIDGE SCREED	U-95-599	
PRESTRESSED BULB-TEE BEAM DETAILS	U-95-600	
ABUTMENT NO. 1	U-95-601	
ABUTMENT NO. 1 DETAILS	U-95-602	
ABUTMENT NO. 1 DETAILS	U-95-603	
ABUTMENT NO. 2	U-95-604	
ABUTMENT NO. 2 DETAILS	U-95-605	
ABUTMENT NO. 2 DETAILS	U-95-606	
PIER NO. 1	U-95-607	
PIER NO. 1 DETAILS	U-95-608	
FINAL FOUNDATION DATA	U-95-609	
BILL OF STEEL	U-95-610	

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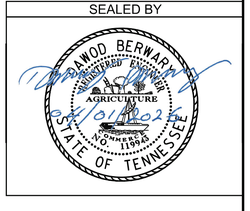

BRIDGE NO. 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INDEX OF DRAWINGS
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

PIN NO.: 100260.03
DESIGN BY: J. FALCE DATE: 6-25
DRAWN BY: JERRY W. SIMPSON DATE: 7-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 6-25
CHECKED BY: R. LEFEVRE DATE: 3-26

3/25/2026 11:41:45 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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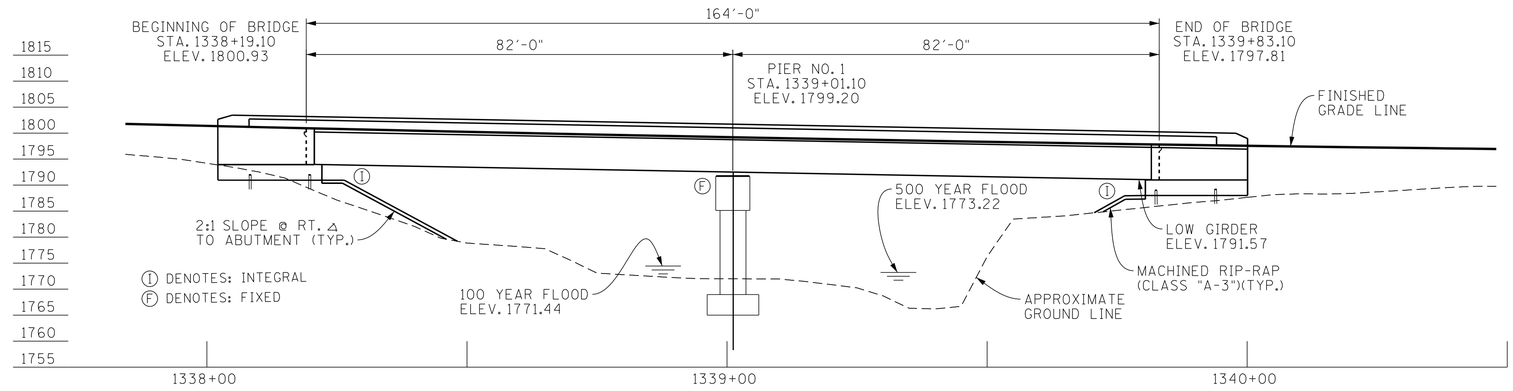
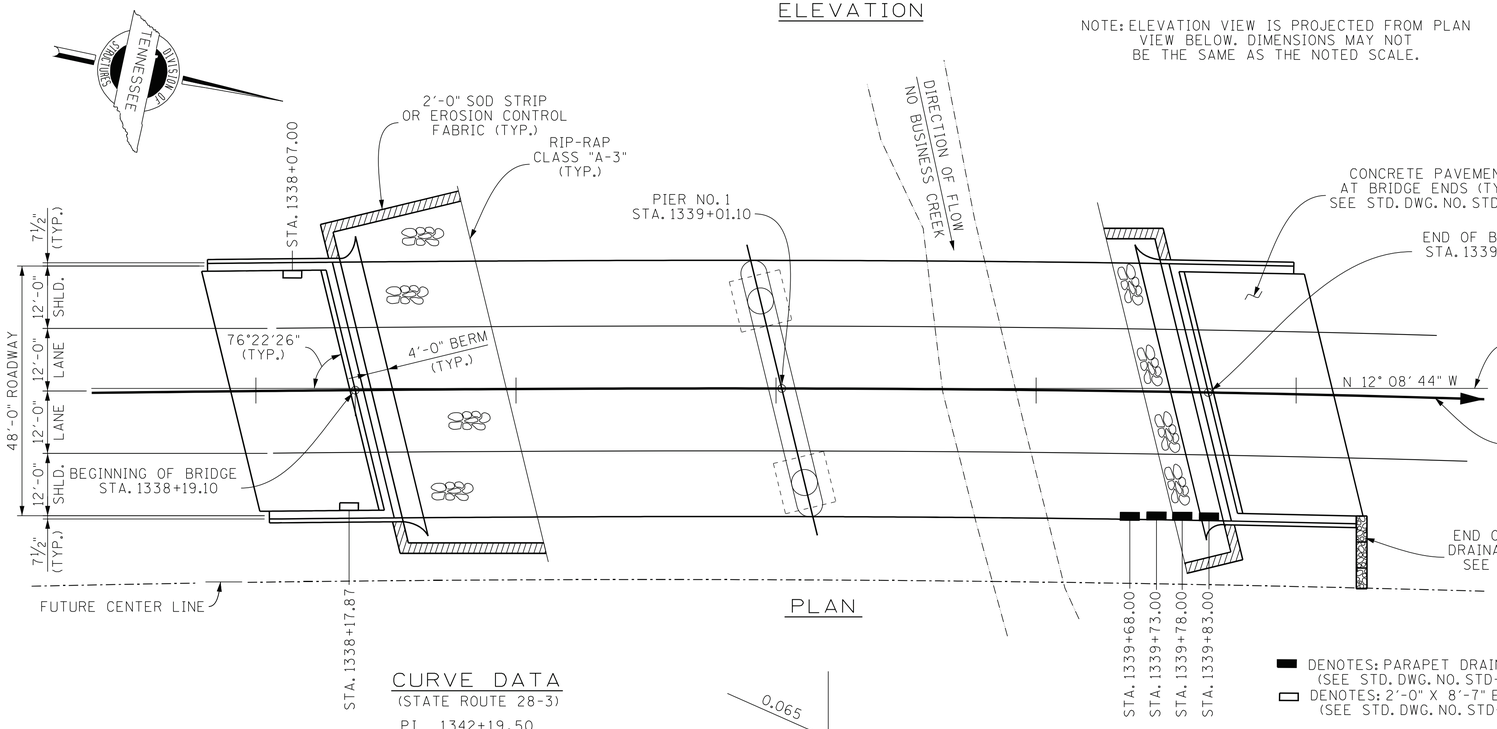


HYDRAULIC DATA

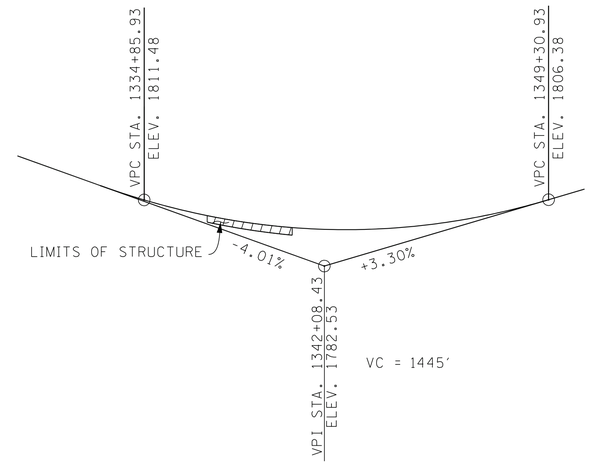
DRAINAGE AREA = 2.85MI.²
DESIGN DISCHARGE (100 YR.) = 1520 CFS
WATER AREA PROVIDED BELOW EL. 1771.4' = 2468.43 FT²
100 YR. VELOCITY = 12.08 FPS
100 YR. BRIDGE BACKWATER = 0.01 FT. @ EL. 1774.44
ROADWAY OVERTOPPING EL. = 1797.81
500 YR. DISCHARGE 2100 CFS @ EL. 1773.22

ELEVATION

NOTE: ELEVATION VIEW IS PROJECTED FROM PLAN VIEW BELOW. DIMENSIONS MAY NOT BE THE SAME AS THE NOTED SCALE.



PLAN



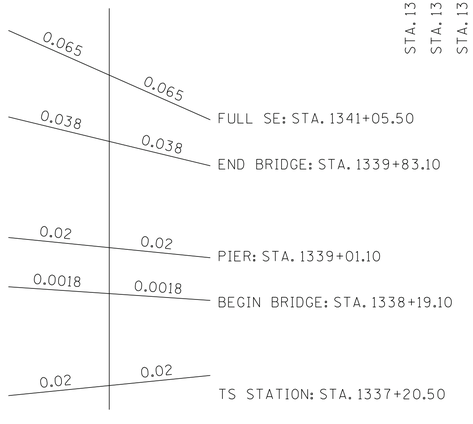
GRADE SKETCH

(STATE ROUTE 28)

CURVE DATA

(STATE ROUTE 28-3)

PI	1342+19.50
N	641,055.0488
E	2,244,893.8321
Δs	12° 03' 22" (RT)
θs	3° 48' 09"
Δc	4° 27' 05" (RT)
Dc	1° 58' 31"
Rc	2,900.64
Lc	225.35
Ts	499.00
Ls	385.00
SE	0.065 FT/FT
DESIGN SPEED	70 MPH
TRANS. LENGTH	385
TS STATION	1337+20.50
SC STATION	1341+05.50



TRANSITION SKETCH

NOT TO SCALE

■ DENOTES: PARAPET DRAINS
(SEE STD. DWG. NO. STD-1-2SS)
▭ DENOTES: 2'-0" X 8'-7" EOB DRAIN
(SEE STD. DWG. NO. STD-1-6 THRO. STD-1-

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

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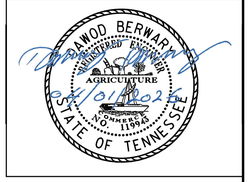

BRIDGE NO. 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LAYOUT OF BRIDGE
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

ENGINEER OF STRUCTURES

U-95-590

PIN NO.: 100260.03
DESIGN BY: J. FALCE DATE: 6-25
DRAWN BY: JERRY W. SIMPSON DATE: 7-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 6-25
CHECKED BY: R. LEFEVRE DATE: 3-26

3/30/2026 11:41:58 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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	- -		
	- -		
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GENERAL NOTES

CONSTRUCTION SPECIFICATIONS: TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (APRIL 1, 2026 EDITION).

DESIGN SPECIFICATIONS: 10TH EDITION (2024) AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND THE 2ND EDITION (2011) AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN WITH INTERIMS.

LOADING:

A. HL-93 LIVE LOAD INCREASED BY 10% (MULTIPLIED BY 1.1) IN ADDITION TO ALL LOAD FACTORS SPECIFIED BY AASHTO FOR ALL APPLICABLE LOAD COMBINATIONS
B. SEISMIC DESIGN CATEGORY "A" WITH A_S= 0.146, S_{DS}=0.275, S_{D1}=0.142, (1000 YEAR RETURN PERIOD)
C. DEAD LOAD INCLUDES 35 LB/SQ. FT. FOR FUTURE WEARING SURFACE.

CONCRETE: TO BE CLASS A (CAST-IN-PLACE) F'C = 3000 PSI EXCEPT AS NOTED OTHERWISE.

BRIDGE DECKS: CLASS DS CONCRETE FOR BRIDGE DECKS SHALL BE IN ACCORDANCE WITH SECTION 604 OF THE STANDARD SPECIFICATIONS.

BRIDGE DECK SURFACE FINISH: TO BE IN ACCORDANCE WITH METHOD 3 IN ARTICLE 604.22 OF THE STANDARD SPECIFICATIONS.

BRIDGE DECK FORMS: BRIDGE DECK FORMS FOR CONCRETE DECKS SHALL BE CONSTRUCTED USING EITHER REMOVABLE FORMS OR PERMANENT FORMS. PERMANENT FORMS MAY BE EITHER REMAIN-IN-PLACE STEEL OR PRECAST, PRESTRESSED CONCRETE PANELS. IN EITHER CASE, FORMS SHALL BE ATTACHED BY MEANS OTHER THAN WELDING TO MAIN STRUCTURAL MEMBERS OR REINFORCING STEEL. TEMPORARY ERECTION DIAPHRAGMS MUST BE USED AT THE ENDS OF PRECAST CONCRETE GIRDERS WHERE END DIAPHRAGMS, SUPPORT DIAPHRAGMS, OR ABUTMENT ENDWALLS ARE TO BE POURED CONCURRENTLY WITH THE DECK AND SHALL BE PROVIDED ELSEWHERE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS TO PREVENT GIRDER ROTATION. SEE STANDARD DRAWINGS STD-4-1 THRU 4, STD-14-1, AND ARTICLE 604.05 OF THE STANDARD SPECIFICATIONS.

REINFORCING STEEL: SHALL BE ASTM A615 GRADE 60 UNLESS NOTED OTHERWISE. SEE SECTIONS 604 AND 907 OF THE STANDARD SPECIFICATIONS.

FOUNDATION PREPARATION: SEE SECTION 204 OF THE STANDARD SPECIFICATIONS. IF IT IS DETERMINED THAT COFFERDAMS ARE REQUIRED, THEY SHALL BE IN ACCORDANCE WITH SECTION 204.09 OF THE STANDARD SPECIFICATIONS.

SPREAD FOOTINGS FOR BENTS: FOOTINGS SHALL BE EMBEDDED 6 INCHES INTO SOUND ROCK. AS AN ALTERNATE, FOOTINGS MAY BE PLACED DIRECTLY ON CLEAN, SOUND ROCK WITH #8 BARS (1'-0" EMB., 1'-0" PROJ.) SPACED AT 2'-0" MAXIMUM GRID WITH A MAXIMUM EDGE DISTANCE TO THE OUTER BARS OF 1'-6" ALONG BOTH THE LENGTH AND WIDTH OF THE FOOTINGS. AFTER EXCAVATION TO ROCK FOR FOOTING HAS BEEN COMPLETED, HOLES 6' DEEP SHALL BE DRILLED AT POINTS DESIGNATED BY THE ENGINEER. FROM THE RESULTS OBTAINED, THE ENGINEER OF STRUCTURES SHALL DETERMINE THE FINAL FOOTING ELEVATIONS. NO REINFORCING STEEL FOR BENT COLUMNS OR FOOTINGS SHALL BE ORDERED UNTIL FINAL FOOTING ELEVATIONS HAVE BEEN DETERMINED.

ABUTMENTS ON FILL: THE FILLS AT THE ENDS OF THE BRIDGE SHALL BE IN PLACE AND THOROUGHLY COMPACTED BEFORE ANY ABUTMENT PILES ARE DRIVEN.

END-BEARING STEEL PILES: TO BE HP12X53 DRIVEN TO REFUSAL ON ROCK OR A MINIMUM BEARING OF 225 TONS. ALL PILES SHALL BE ASTM A709 GRADE 50 STEEL.

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

SLAB OVERHANGS: IT IS RECOMMENDED THAT SPACING OF OVERHANG BRACKETS FOR BEAMS NOT EXCEED 2'-0" CENTER-TO-CENTER.

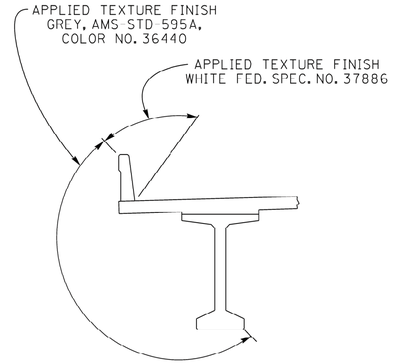
SHOP DRAWINGS: SEE SECTION 105.02 OF THE STANDARD SPECIFICATIONS.

PARAPET SYSTEM: BUILD PARAPETS ACCORDING TO STANDARD DRAWING STD-1-1SS. THE PARAPETS SHALL BE FORMED AND CAST PLUMB, NOT PERPENDICULAR TO THE SLAB. THE DIMENSIONS AT THE TRAFFIC FACE SHALL BE KEPT CONSTANT, WITH VARIATION DUE TO CROSS-SLOPE ACCOMMODATED AT THE REAR FACE.

RIP-RAP: MACHINED RIP-RAP SHALL BE CLASS "A-3" IN ACCORDANCE WITH SECTION 709 OF THE STANDARD SPECIFICATIONS AND SHALL BE MEASURED AND PAID FOR UNDER ROADWAY ITEM NO.709-05.05.

VALUE ENGINEERING ALTERNATE BRIDGE DESIGN CRITERIA: ALTERNATE BRIDGE DESIGN PROPOSALS MAY NOT DIMINISH THE FUNCTIONAL OR STRUCTURAL EQUIVALENCY OF THE BRIDGE AND MUST MEET OR EXCEED THE CAPACITIES OF THE CONTRACT PLANS STRUCTURE AT ALL LIMIT STATES IN AASHTO TABLE 3.4.1-1. ADDITIONALLY, THE WATERWAY OPENING AND FLOOD CLEARANCES MAY NOT BE REDUCED. FOR GRADE SEPARATIONS, THE HORIZONTAL CLEARANCES MAY NOT BE REDUCED, NOR MAY THE VERTICAL CLEARANCES BE LESS THAN THE MINIMUM ACCEPTABLE FOR THE TYPE FACILITY CROSSED.

FINISHING CONCRETE SURFACES: CONCRETE FINISHING SHALL BE IN ACCORDANCE WITH SECTION 604.21 OF THE STANDARD SPECIFICATIONS. A CLASS I FINISH FOLLOWED BY AN APPLIED TEXTURE FINISH SHALL BE USED IN LIEU OF A CLASS II FINISH. NO TEXTURE FINISH SHALL BE APPLIED PRIOR TO COMPLETION OF PAVING AND HAULING OPERATIONS AT THE BRIDGE SITE. THE APPLIED TEXTURE FINISH SHALL BE MEASURED AND PAID FOR UNDER ITEM NO. 604-04.01.



TYPICAL AT CANTILEVER

APPLIED TEXTURE FINISH SKETCH

NOTE: IN ADDITION TO THE SURFACES SHOWN IN THE APPLIED TEXTURE FINISH SKETCH ALL EXPOSED SURFACES OF THE WINGWALLS, ABUTMENTS, PIER AND EXTERIOR PORTIONS OF ENDWALLS SHALL RECEIVE AN APPLIED TEXTURE FINISH (GREY, AMS-STD-595A, COLOR NO. 36440).

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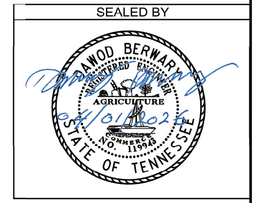

3/31/2026

BRIDGE NO. 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-591

PIN NO.: 100260.03
DESIGN BY: J. FALCE DATE: 6-25
DRAWN BY: STEVEN STEELE DATE: 7-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 6-25
CHECKED BY: R. LEFEVRE DATE: 3-26

3/25/2026 8:34:09 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

ESTIMATED QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	TOTAL	SUPERSTRUCTURE	ABUT. NO. 1	PIER. NO. 1	ABUT. NO. 2
2	204-02.01	DRY EXCAVATION (BRIDGES)	C.Y.	186		109		77
2	204-03.01	WET EXCAVATION (BRIDGES)	C.Y.	100			100	
2	204-04.01	ROCK EXCAVATION (BRIDGES)	C.Y.	8			8	
	204-05	ROCK DRILLING (BRIDGES)	L.F.	24			24	
9	204-10.01	FOUNDATION PREPARATION(PIER NO. 1 ,STA 1339+01.10)	LS	1			1	
	204-14	CORE DRILLING FOR PILES(ROCK)	L.F.	188		94		94
	204-15	CORE DRILLING FOR PILES(SOIL)	L.F.	34		17		17
8	303-01.02	GRANULAR BACKFILL (BRIDGES)	TON	59		29		30
	604-02.03	EPOXY COATED REINFORCING STEEL	LB.	66,001	62,158	1,928		1,915
7	604-03.01	CLASS A CONCRETE (BRIDGES)	C.Y.	250		58	135	57
	604-03.02	STEEL BAR REINFORCEMENT (BRIDGES)	LB.	32,410	1,155	6,836	17,614	6,805
1	604-03.04	PAVEMENT @ BRIDGE ENDS	S.Y.	256				
	604-03.32	CLASS DS CONCRETE	C.Y.	237	237			
	604-04.01	APPLIED TEXTURE FINISH (NEW STRUCTURES)	S.Y.	933	663	60	150	60
	604-04.41	THREE STAR STATE EMBLEM	EA.	4		2		2
	604-05.31	BRIDGE DECK GROOVING (MECHANICAL)	S.Y.	1,056	1,056			
	606-03.03	STEEL PILES (12 INCH)	L.F.	253		132		121
4	615-01.10	PRESTRESSED CONCRETE BULB TEE BEAM (6" WEB)(BT-54)	L.F.	795				
	620-05.01	CONC PARAPET SINGLE SLOPE (STD-1-1SS)	L.F.	390				
6	710-09.01	6" PERFORATED PIPE WITH VERTICAL DRAIN SYSTEM	L.F.	146		73		73
	710-09.02	6" PIPE UNDERDRAIN	L.F.	46		23		23

ESTIMATED QUANTITIES NOTES

(1) **NOTE:** PRIOR TO CONSTRUCTION OF THE PAVEMENT AT BRIDGE ENDS, THE CONTRACTOR SHALL SUBMIT A PROPOSED BILL OF STEEL TO THE ENGINEER FOR APPROVAL.

(2) **NOTE:** EXCAVATION BASED ON FINAL PROFILE AT ABUTMENTS AND EXISTING GROUND AT PIERS.

(3) **NOTE:** THE COST OF BITUMINOUS-FIBERBOARD, ETC. AND ALL MISCELLANEOUS JOINT MATERIAL TO BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS.

(4) **NOTE:** COST OF ELASTOMERIC PADS AND RUBBER BONDING CEMENT TO BE INCLUDED IN THE UNIT PRICE BID FOR THE PRESTRESSED BEAM.

(5) **NOTE:** INTERMEDIATE DIAPHRAGMS SHALL BE PAID FOR IN ACCORDANCE WITH STANDARD DRAWING STD-14-1.

(6) **NOTE:** COST OF POLYETHYLENE SHEETING AND ALL MISCELLANEOUS ITEMS NECESSARY FOR INSTALLATION TO BE INCLUDED IN THE UNIT PRICE BID FOR PERFORATED PIPE.

(7) **NOTE:** THE COST OF ALL MATERIALS AND LABOR NECESSARY FOR THE INSTALLATION OF 15 ANCHOR BOLT ASSEMBLIES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLASS A CONCRETE (BRIDGES), ITEM NO. 604-03.01.

(8) **NOTE:** GRANULAR BACKFILL SHALL BE TYPE "A" GRADING "D" MATERIAL. SEE STANDARD DRAWING STD-10-1.

(9) **NOTE:** SEE FOUNDATION PREPARATION NOTE THIS SHEET.

SEALED BY

DAWOD BERWARY
REGISTERED ENGINEER
AGRICULTURE
NO. 119748
STATE OF TENNESSEE
3/31/2026

BRIDGE NO. 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED QUANTITIES
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-592

PIN NO.: 100260.03
DESIGN BY: J. FALCE DATE: 6-25
DRAWN BY: STEVEN STEELE DATE: 7-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 6-25
CHECKED BY: R. LEFEVRE DATE: 3-26

3/30/2026 11:31:22 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
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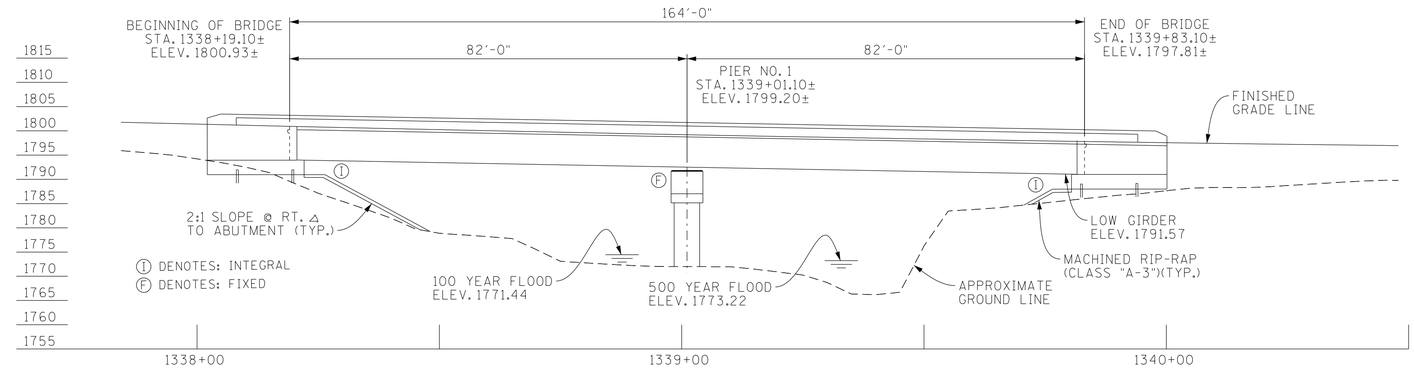
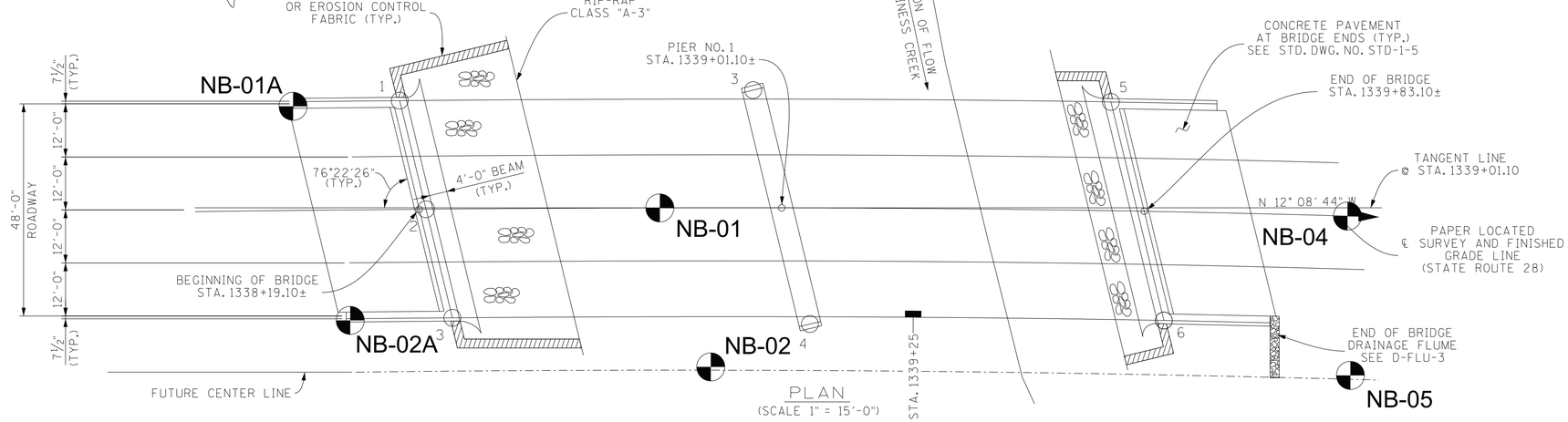


ELEVATION
(SCALE 1" = 15'-0")
(@ RIGHT △ TO ℄ SURVEY)

NOTE: ELEVATION VIEW IS PROJECTED FROM PLAN VIEW BELOW. DIMENSIONS MAY NOT BE THE SAME AS THE NOTED SCALE.

NOTE: THIS DRAWING IS FOR FOUNDATION DATA ONLY AND IS NOT TO BE USED AS A LAYOUT.



PIN NO.: 100260.03

DESIGN BY:	J. FALCE	DATE:	6-25
DRAWN BY:	J. STEVENS	DATE:	8-25
SUPERVISED BY:	S. STEELE/D. BERWARY	DATE:	6-25
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3/30/2026 11:27:17 AM

BRIDGE NO. 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

FOUNDATION DATA
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-593

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

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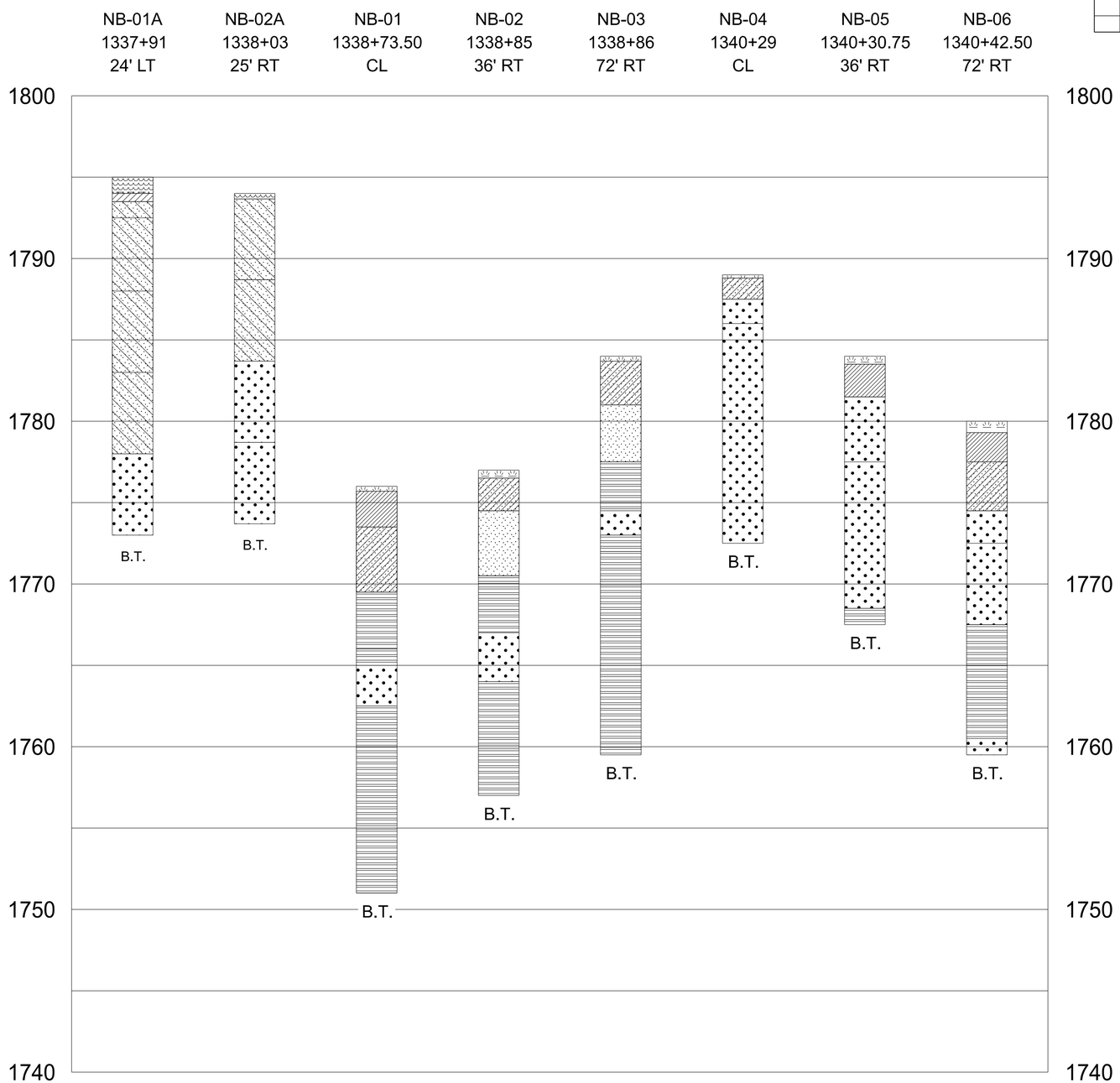
	- -		
	- -		

BORING NO.	STATION	OFFSET	GROUND ELEVATION	ROCK ELEVATION	TOTAL DEPTH
NB-01A	1337+91	24' LT	1795	1793	22'
NB-02A	1338+03	25' RT	1794	1793	20.3'
NB-01	1338+73.50	CL	1776	1766	25'
NB-02	1338+85	36' RT	1777	1767	20'
NB-03	1338+86	72' RT	1784	1774.5	24.5'
NB-04	1340+29	CL	1789	1787.5	16.5'
NB-05	1340+30.75	36' RT	1784	1777.5	16.5'
NB-06	1340+42.50	72' RT	1780	1773.5	16.5'

NOTE:
BORING DEPICTIONS SHOWN ON FOUNDATION DATA SHEET INDICATE GENERAL SOIL AND ROCK TYPES AT THE SPECIFIC BORING LOCATIONS.



LEGEND

- TOPSOIL
- TOPSOIL
- LEAN CLAY
- CLAYEY SAND
- SAND
- SHALE
- WEATHERED SANDSTONE
- SANDSTONE

B.T. = BORING TERMINATION

PIN NO.: 100260.03
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BRIDGE NO. 1
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
FOUNDATION DATA
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-594

3/25/2026 11:40:16 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

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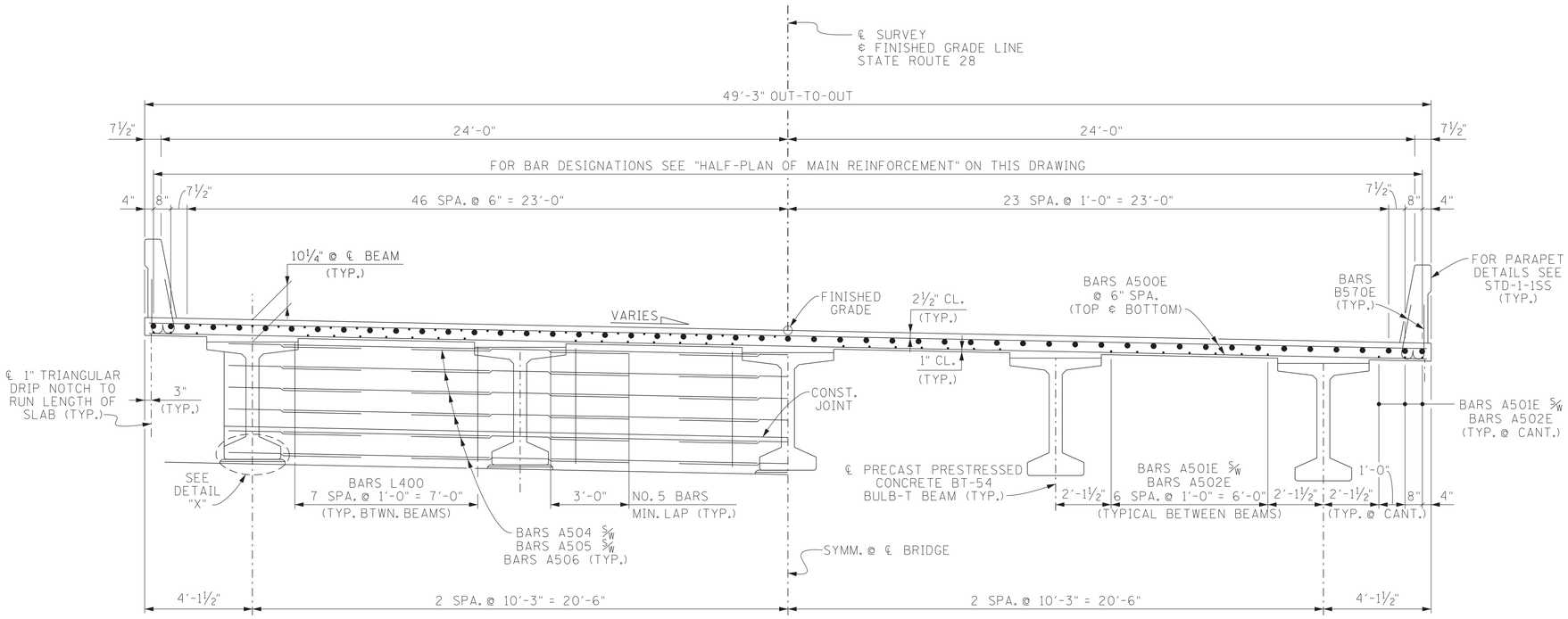
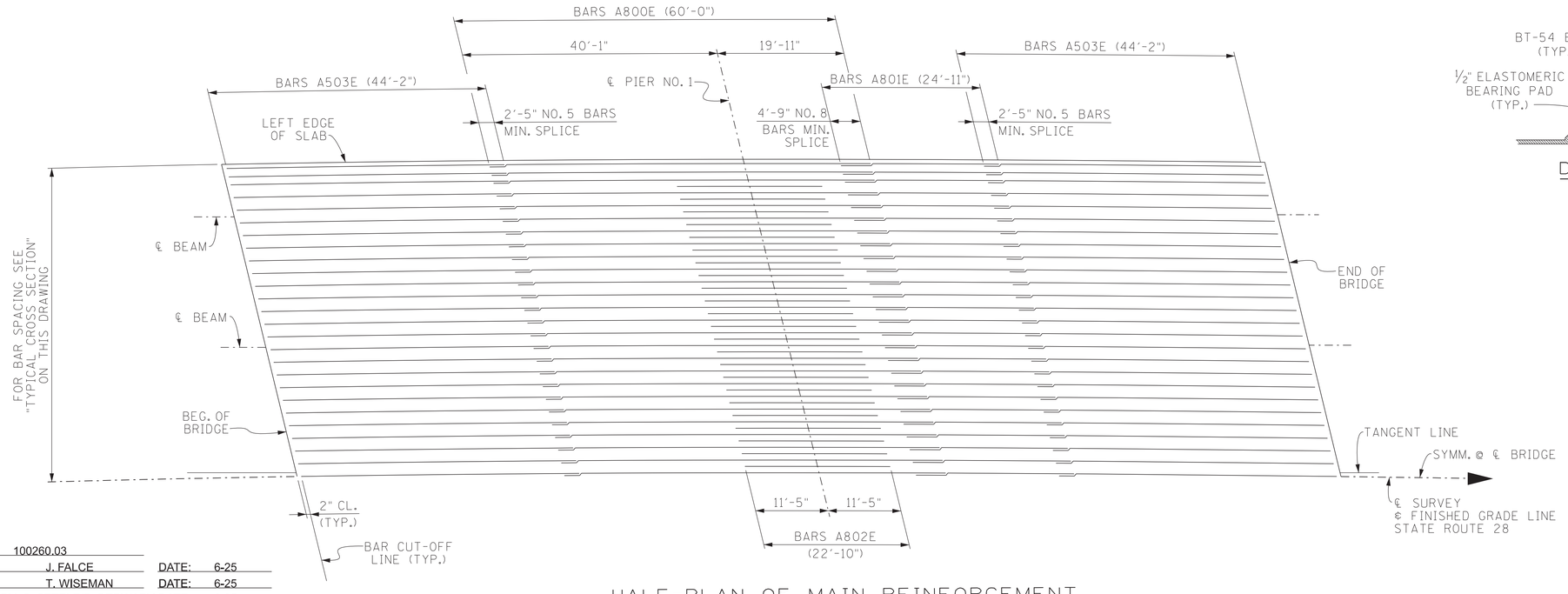
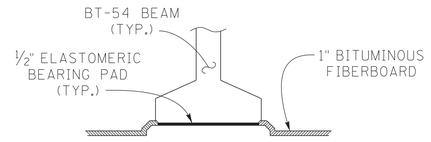


TYPICAL CROSS SECTION

(LOOKING FORWARD ON SURVEY)



HALF-PLAN OF MAIN REINFORCEMENT



DETAIL "X"

NOTE: NO PORTION OF THE PARAPETS SHALL BE POURED UNTIL THE ENTIRE DECK SLAB IS IN PLACE.

NOTE: OUTSIDE EDGE OF SLAB AND PARAPET TO CONFORM TO HORIZONTAL CURVE.

NOTE: WHEN POURING SLAB, PROVISIONS SHALL BE MADE FOR SETTING REINFORCING STEEL FOR PARAPET. THE PARAPET SHALL NOT BE POURED UNTIL THE SLAB IS POURED AND CURED. ALSO SEE STD. DWG. NO. STD 1-1SS.

NOTE: THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SUPPORTING THE BEAMS TO PREVENT DAMAGE DUE TO TWISTING OR OVERTURNING DURING ALL PHASES OF CONSTRUCTION. WHILE IT IS STRONGLY RECOMMENDED THAT BOTH THE TEMPORARY ERECTION DIAPHRAGMS AND THE PERMANENT INTERMEDIATE DIAPHRAGMS BE INSTALLED PRIOR TO PLACING ANY LOADS ON THE BEAMS, IT IS REQUIRED THAT ALL TEMPORARY ERECTION DIAPHRAGMS AND ALL PERMANENT INTERMEDIATE DIAPHRAGMS IN A SPAN BE FULLY INSTALLED PRIOR TO POURING ANY PORTION OF THE SLAB IN THAT SPAN.

NOTE: THE SUPPORT DIAPHRAGMS AT THE BENTS SHALL BE FORMED AND THE BOTTOM 15 INCHES POURED AS SOON AS POSSIBLE AFTER THE BEAMS HAVE BEEN SET. THE REMAINDER OF THE DIAPHRAGMS SHALL BE POURED CONCURRENTLY WITH THE DECK SLAB. THE BEAMS SHALL ATTAIN AN AGE OF AT LEAST 90 DAYS PRIOR TO POURING THE REMAINDER OF THE SUPPORT DIAPHRAGMS AND DECK SLAB. ALL DIAPHRAGM CONCRETE SHALL BE INCLUDED IN THE QUANTITY FOR CLASS D CONCRETE.

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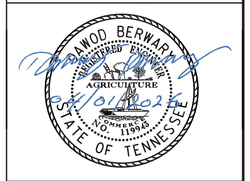

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BRIDGE NO. 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-595

3/25/2026 11:42:59 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
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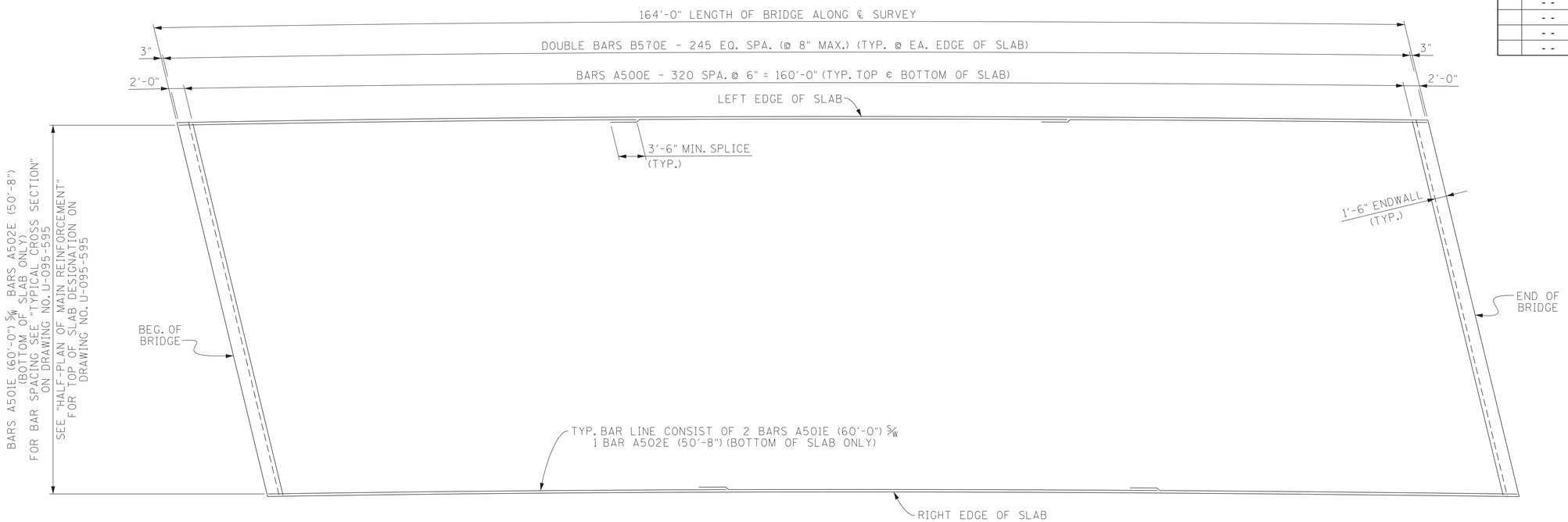
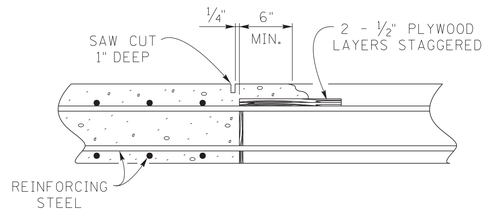
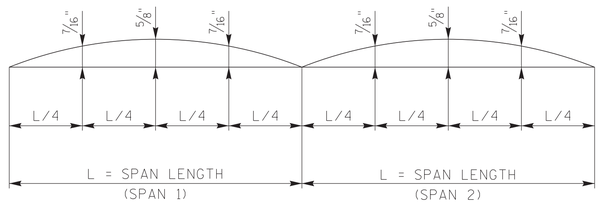


SLAB PLAN



SLAB CONSTRUCTION JOINT DETAIL

DECK CONCRETE POURING SEQUENCE: SLAB CONSTRUCTION JOINTS MAY BE LOCATED AT THE CONTRACTOR'S OPTION SUBJECT TO THE FOLLOWING:
1. NO CONSTRUCTION JOINT SHALL BE LOCATED CLOSER THAN 10 FEET OR FURTHER THAN 15 FEET FROM AN INTERIOR SUPPORT.
2. THE SLAB IN THE MIDDLE SECTION OF BOTH ADJACENT SPANS MUST BE POURED TO WITHIN AT LEAST 15 FEET OF THE SUPPORTS EITHER PRIOR TO OR CONCURRENTLY WITH THE SLAB OVER AN INTERIOR SUPPORT.
3. ALL SLAB CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH THE SLAB CONSTRUCTION JOINT DETAILS SHOWN ON THIS SHEET.



DEAD LOAD CORRECTION CURVE

DEAD LOAD CORRECTION CURVE: THIS CURVE IS FOR DEAD LOAD SLAB AND ALL DEAD LOADS THAT ARE APPLIED AFTER SLAB IS IN PLACE AND SHALL BE CORRECTED TO COMPENSATE FOR THE EFFECTS DUE TO VERTICAL CURVE.

NOTE: IF PRESTRESSED DECK PANELS ARE USED AND THE BEAMS ARE PROFILED AFTER THE PANELS ARE IN PLACE, REDUCE THE DEAD LOAD CORRECTION VALUES SHOWN BY 25%.

SEALED BY



BRIDGE NO. 1
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE DETAILS
STATE ROUTE 28
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BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-596

PIN NO.: 100260.03
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3/25/2026 11:44:10 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

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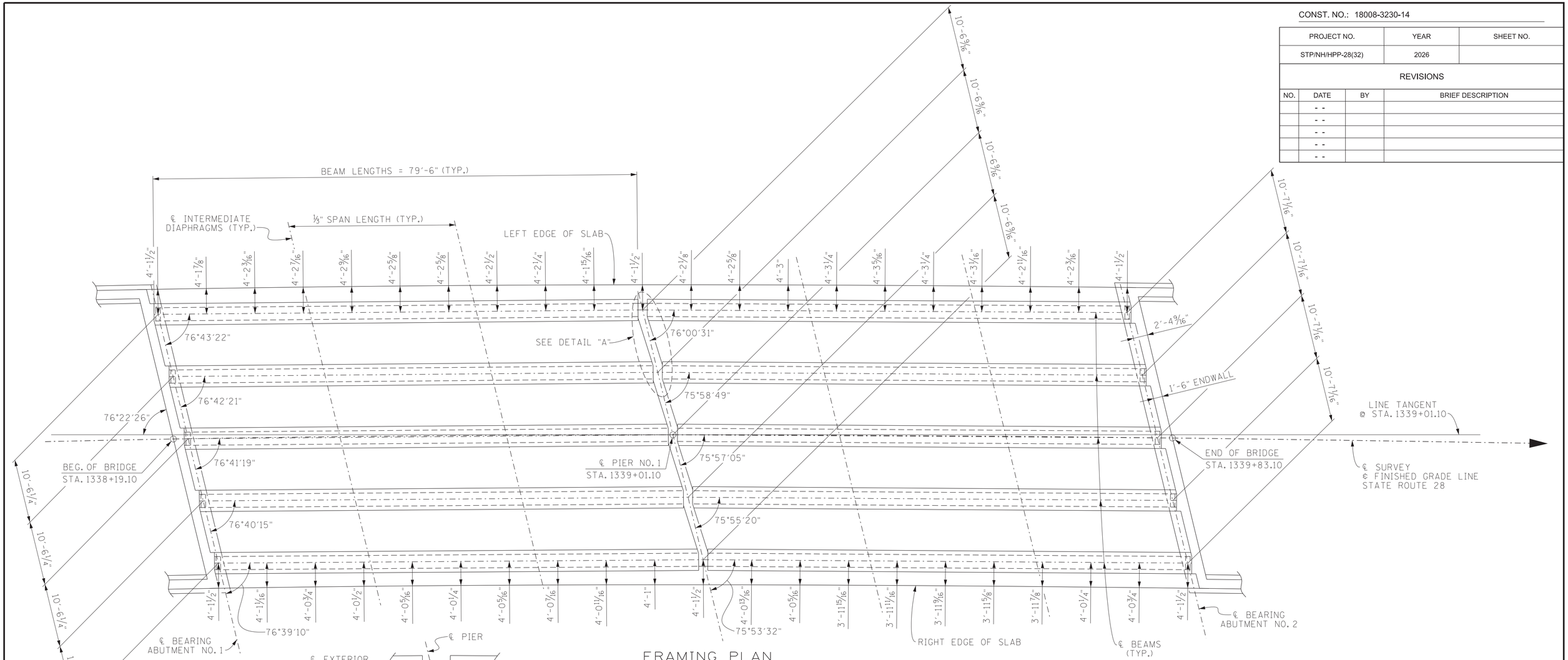
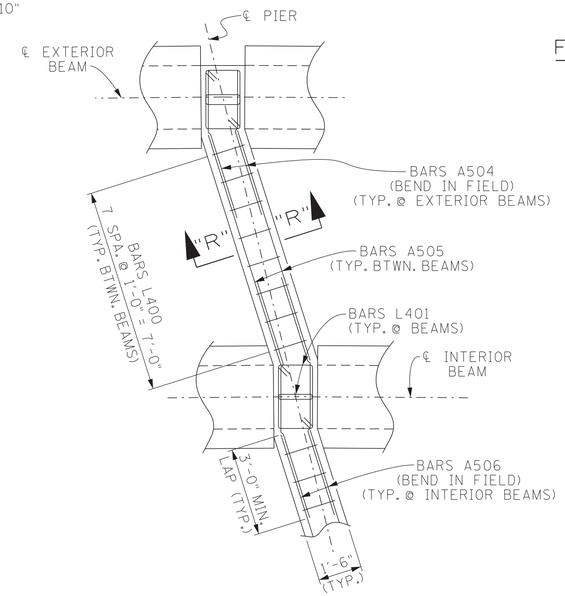
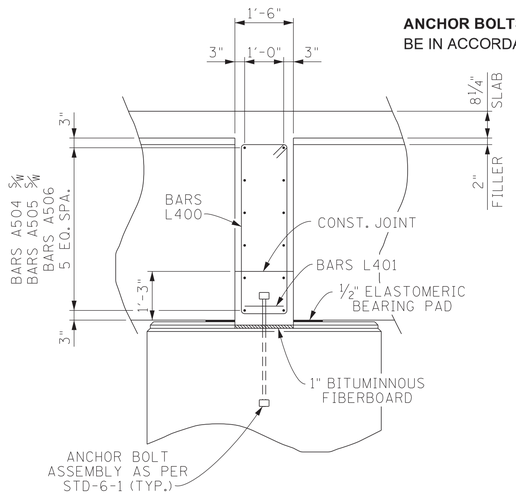


FRAMING PLAN



DETAIL "A"



SECTION "R"-"R"
(@ PIER)

ANCHOR BOLTS AT BENTS: ANCHOR BOLT ASSEMBLIES AT BENTS SHALL BE IN ACCORDANCE WITH STANDARD DRAWING STD-6-1.

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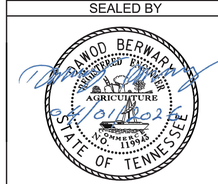

BRIDGE NO. 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STATE ROUTE 28
OVER
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BRIDGE ID. NO. 18SR0280020
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U-95-597

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DRAWN BY:	T. WISEMAN	DATE:	6-25
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3/25/2026 11:45:16 AM

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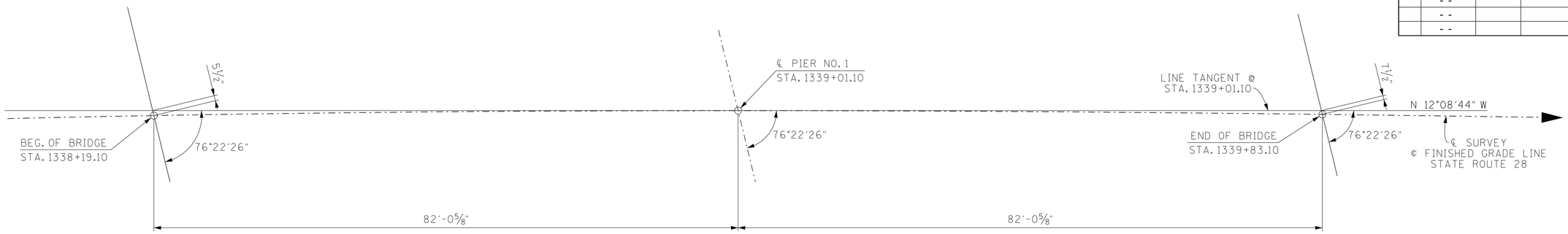
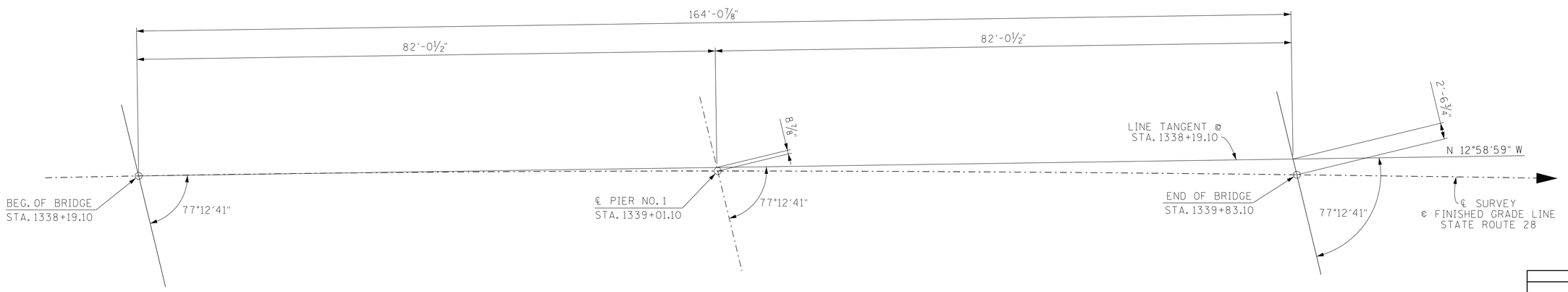


STAKE-OUT PLAN



ALTERNATE STAKE-OUT PLAN

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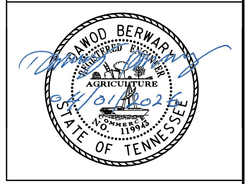

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STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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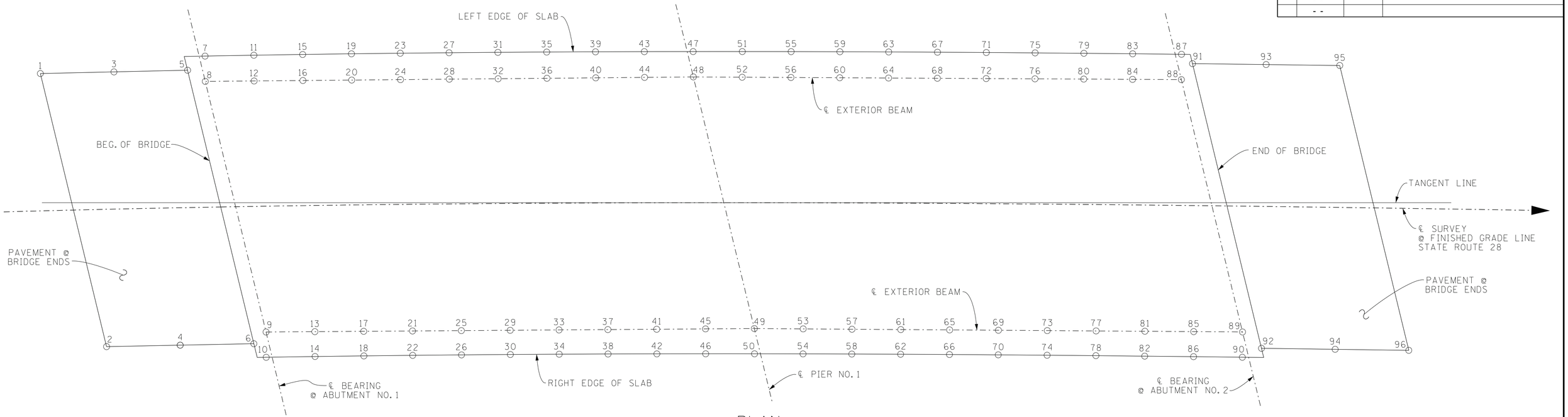

PLAN

SCREED STATIONS AND ELEVATIONS

PT.	STATION	ELEV.
1	1337+88.92	1801.54
2	1337+99.94	1801.45
3	1337+98.74	1801.35
4	1338+11.02	1801.13
5	1338+13.55	1801.08
6	1338+24.67	1800.74
7	1338+16.80	1801.02
8	1338+16.78	1801.02
9	1338+26.29	1800.70
10	1338+26.50	1800.68

PT.	STATION	ELEV.
11	1338+24.74	1800.88
12	1338+24.72	1800.87
13	1338+34.26	1800.49
14	1338+34.44	1800.46
15	1338+32.68	1800.74
16	1338+32.66	1800.72
17	1338+42.24	1800.27
18	1338+42.38	1800.24
19	1338+40.61	1800.61
20	1338+40.60	1800.58

PT.	STATION	ELEV.
21	1338+50.21	1800.06
22	1338+50.31	1800.02
23	1338+48.55	1800.48
24	1338+48.54	1800.44
25	1338+58.19	1799.85
26	1338+58.25	1799.81
27	1338+56.48	1800.35
28	1338+56.48	1800.31
29	1338+66.17	1799.65
30	1338+66.18	1799.60

PT.	STATION	ELEV.
31	1338+64.41	1800.23
32	1338+64.42	1800.18
33	1338+74.15	1799.45
34	1338+74.12	1799.39
35	1338+72.34	1800.11
36	1338+72.35	1800.05
37	1338+82.13	1799.25
38	1338+82.05	1799.19
39	1338+80.27	1799.99
40	1338+80.28	1799.92

PT.	STATION	ELEV.
41	1338+90.12	1799.06
42	1338+89.98	1798.99
43	1338+88.20	1799.87
44	1338+88.22	1799.80
45	1338+98.10	1798.87
46	1338+97.90	1798.79
47	1338+96.13	1799.76
48	1338+96.15	1799.68
49	1339+06.09	1798.68
50	1339+05.83	1797.98

PT.	STATION	ELEV.
51	1339+04.10	1799.65
52	1339+04.08	1799.57
53	1339+14.07	1798.49
54	1339+14.35	1798.87
55	1339+12.02	1799.55
56	1339+12.00	1799.45
57	1339+22.06	1798.31
58	1339+22.28	1798.68
59	1339+19.94	1799.44
60	1339+19.93	1799.34

PT.	STATION	ELEV.
61	1339+30.05	1798.13
62	1339+30.20	1798.50
63	1339+27.86	1799.35
64	1339+27.85	1799.24
65	1339+38.04	1797.95
66	1339+38.12	1798.32
67	1339+35.78	1799.25
68	1339+35.78	1799.13
69	1339+46.03	1797.78
70	1339+46.04	1798.14

PT.	STATION	ELEV.
71	1339+43.69	1799.16
72	1339+43.70	1799.03
73	1339+54.02	1797.61
74	1339+53.96	1797.97
75	1339+51.61	1799.07
76	1339+51.62	1798.94
77	1339+62.01	1797.45
78	1339+61.87	1797.79
79	1339+59.52	1798.98
80	1339+59.54	1798.84

PT.	STATION	ELEV.
81	1339+70.01	1797.29
82	1339+69.79	1797.63
83	1339+67.43	1798.90
84	1339+67.46	1798.75
85	1339+78.00	1797.13
86	1339+77.70	1797.46
87	1339+75.34	1798.82
88	1339+75.37	1798.67
89	1339+86.00	1796.97
90	1339+85.61	1797.30

PT.	STATION	ELEV.
91	1339+76.90	1798.78
92	1339+89.37	1797.72
93	1339+86.33	1798.69
94	1340+02.11	1797.53
95	1339+95.25	1798.61
96	1340+19.53	1797.30

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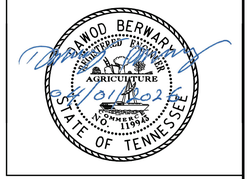


3/25/2026

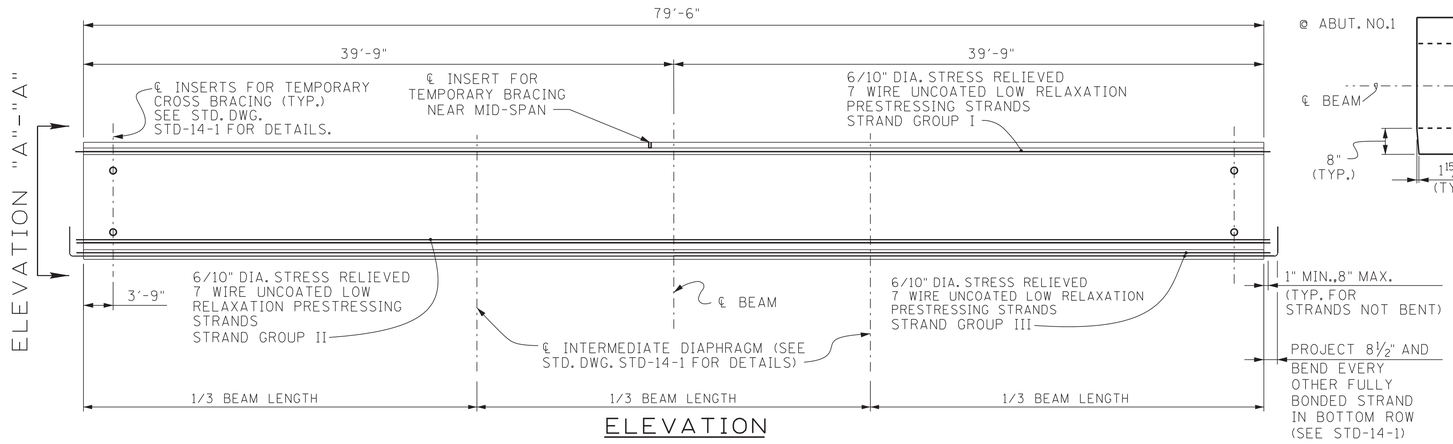
PIN NO.: 100260.03
DESIGN BY: J. FALCE DATE: 6-25
DRAWN BY: T. WISEMAN DATE: 6-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 6-25
CHECKED BY: R. LEFEVRE DATE: 3-26

BRIDGE NO. 1

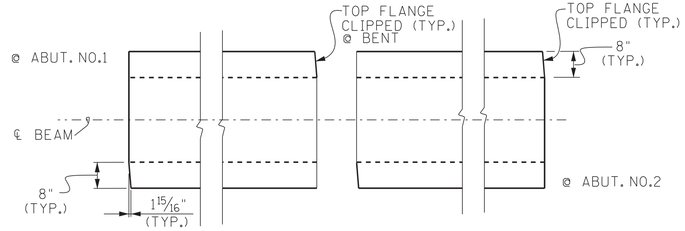
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BRIDGE SCREED
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

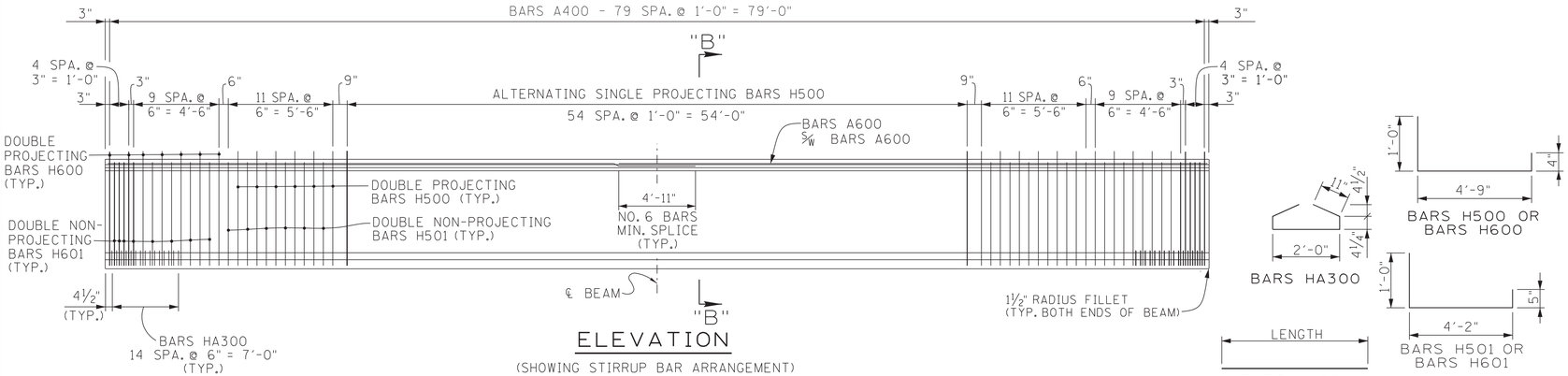
U-95-599



ELEVATION

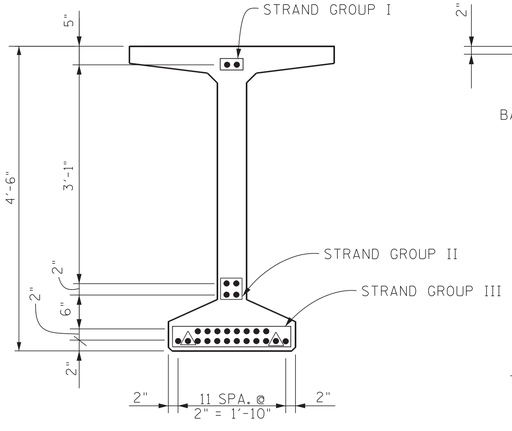


CLIP DETAIL



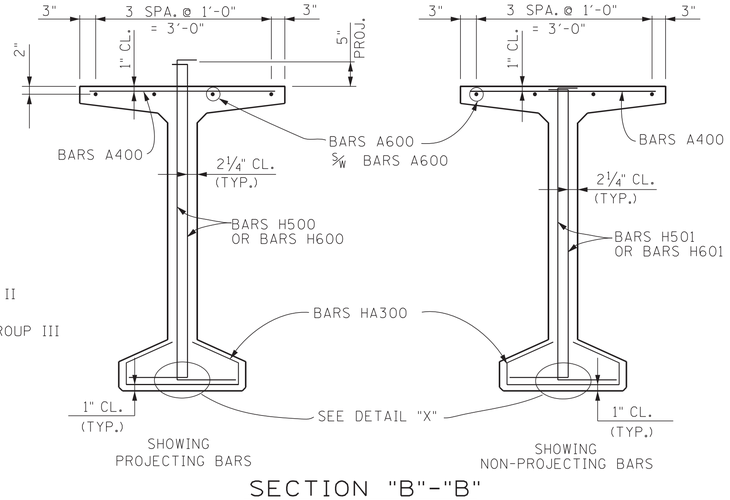
ELEVATION

(SHOWING STIRRUP BAR ARRANGEMENT)

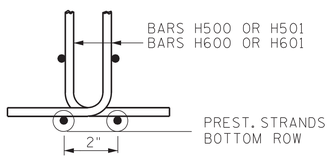


ELEVATION "A"-"A"

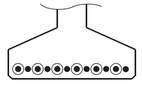
(SHOWING PRESTRESSED STRANDS)
(26 TOTAL)



SECTION "B"-"B"



DETAIL "X"



BENT STRANDS DETAIL

⊙ DENOTES: STRANDS TO BE BENT

△DENOTES: BREAK BOND 4'-0" FROM END OF BEAM.

PIN NO.: 100260.03
DESIGN BY: J. FALCE DATE: 6-25
DRAWN BY: JERRY W. SIMPSON DATE: 6-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 6-25
CHECKED BY: R. LEFEVRE DATE: 3-26

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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	- -		
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GENERAL NOTES [PRECAST BEAMS SHEET]

NOTE: SEE STD-14-1 FOR BULB-TEE BEAM STANDARD DETAILS, NOTES, AND REINFORCING.

NOTE: ALL BEAMS ARE BT-54.

NOTE: THE PRESTRESSED BEAMS SHALL ATTAIN AN AGE OF AT LEAST 90 DAYS PRIOR TO POURING THE SUPPORT DIAPHRAGMS (EXCLUDING BOTTOM 15") AND DECK SLAB.

NOTE: THE CONCRETE FOR THIS CONSTRUCTION SHALL BE OF SUCH PROPERTIES AS TO ATTAIN A COMPRESSIVE STRENGTH OF NOT LESS THAN 8,000 PSI AT THE AGE OF 28 DAYS AND STRESS TRANSFER SHALL NOT BE MADE TO THE BRIDGE MEMBER UNTIL THE TEST SPECIMENS INDICATE THAT THE CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF AT LEAST 7,000 PSI. SEE GENERAL NOTES FOR CONCRETE FINISHING NOTE.

PRESTRESSING STRANDS: ALL STRANDS SHALL BE 6/10" DIAMETER, UNCOATED 7- WIRE STRANDS, ASTM A416 GRADE 270, LOW-LAX, A = 0.217 SQ. IN. PULLED TO 43,943 LBS. PER STRAND UNLESS OTHERWISE NOTED.

PRESTRESSED BEAM DESIGN DATA (PER BEAM):

LIVE LOAD DISTRIBUTION FACTOR: MOMENT = 0.956 LANES
SHEAR = 1.006 LANES

COMPOSITE DEAD LOAD: DC = 155.2 LB/FT
DW = 327.8 LB/FT

COMPOSITE SLAB DESIGN STRENGTH: F 'C = 4000 PSI

ALL BEAMS SHALL HAVE UPWARD DEFLECTION OF AT LEAST 1/8" UNDER TOTAL DEAD LOAD.

ESTIMATED QUANTITIES-PER BEAM

NO. BEAMS REQ'D.	PRESTRESSING STRANDS (LOW RELAXATION) LB.	CLASS "P" CONCRETE C.Y.	REINFORCING STEEL LB.
10	1,563	14	1,926

BILL OF STEEL
(PER BEAM)

BAR	SIZE	NO. REQ'D	LENGTH
A400	4	80	3'-2"
A500	5	6	5'-6"
A600	6	8	42'-1"
H500	5	79	6'-1"
H501	5	24	5'-7"
H600	6	28	6'-1"
H601	6	32	5'-7"
HA300	3	30	4'-7"

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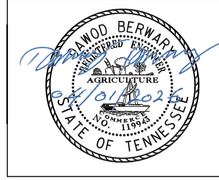

BRIDGE NO. 1
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
PRESTRESSED BULB-TEE BEAM DETAILS
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-600

3/25/2026 11:38:02 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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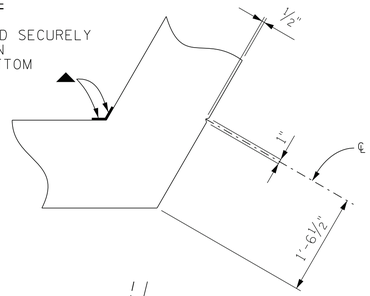
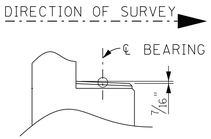
V-GROOVE DETAIL

▲ DENOTES: ½" X 3" BITUMINOUS FIBERBOARD SECURELY BONDED TO CONCRETE SURFACE TO RUN FROM TOP OF ABUTMENT BEAM TO BOTTOM OF ROADWAY BRACKET.

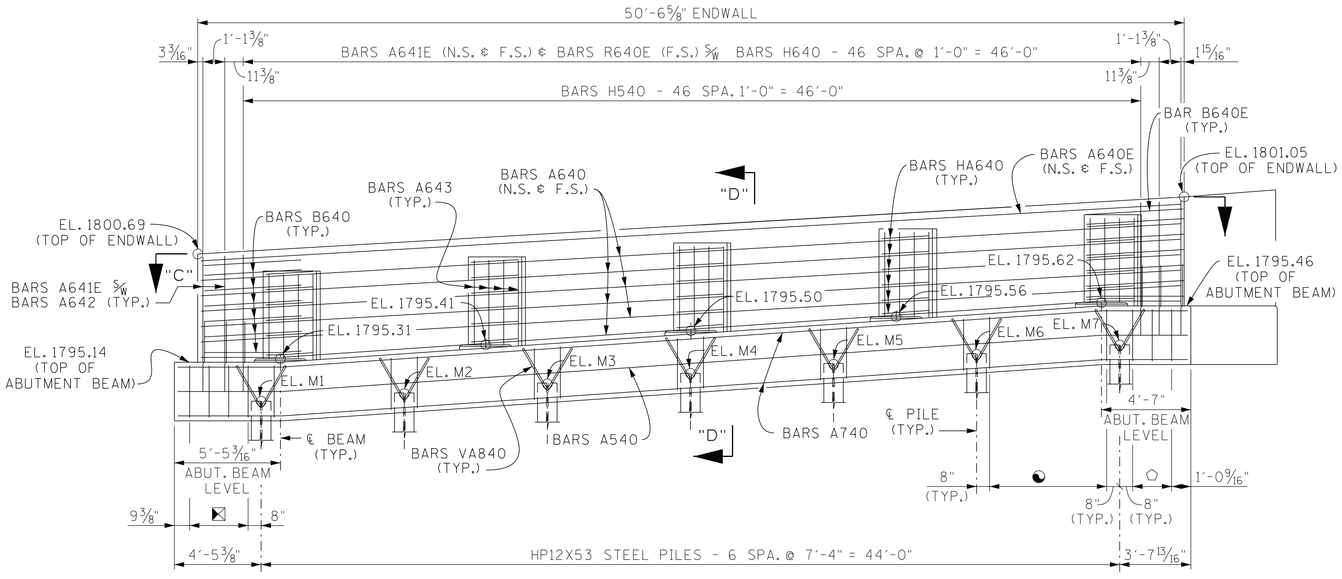




RISER BLOCK SLOPE DETAIL

(TYP. EACH RISER BLOCK)

PLAN



ELEVATION

(LOOKING BACKWARD ON SURVEY)

▣ DENOTES: BARS L540 - 3 SPA. @ 1'-0" = 3'-0"

◕ DENOTES: BARS L540 - 6 SPA. @ 1'-0" = 6'-0" (TYP. BETWEEN PILES)

⬠ DENOTES: BARS L540 - 2 SPA. @ 1'-0" = 2'-0"

PILE CUT-OFF TABLE OF ELEVATIONS

LOCATION	"M1"	"M2"	"M3"	"M4"	"M5"	"M6"	"M7"
ELEVATION	1793.14	1793.20	1793.25	1793.30	1793.35	1793.41	1793.46

NOTE: RISER BLOCKS SHALL BE POURED MONOLITHICALLY WITH THE ABUTMENT BEAM.

NOTE: RISER BLOCK BEARING SURFACE TO CONFORM TO BOTTOM OF BEAM GRADE.

NOTE: ELASTOMERIC PADS SHALL BE IN PLACE A MINIMUM OF ONE DAY BEFORE BEING DISTURBED BY SETTING BEAMS. PLACE RUBBER BONDING CEMENT IN SUCH A WAY THAT VISIBLE CONCRETE SURFACES WILL NOT BE STAINED.

NOTE: WHEN POURING WINGWALLS, PROVISIONS SHALL BE MADE FOR SETTING REINFORCING STEEL FOR WINGPOSTS AND PARAPETS. FOR DETAILS OF WINGPOSTS AND PARAPETS, SEE STD. DWG. NO. STD 1-1SS.

NOTE: NOT LESS THAN HALF OF THE SLAB IN THE END SPANS SHALL BE POURED PRIOR TO PLACEMENT OR CONCURRENTLY WITH PLACEMENT OF ANY PART OF THE ABUTMENT ENDWALLS. AT LEAST THE TOP 12 INCHES OF THE ENDWALLS SHALL BE POURED CONCURRENTLY WITH THE END OF SLAB.

NOTE: COST OF PARAPET AND POST IS TO BE INCLUDED IN THE UNIT PRICE BID FOR THE PARAPET SYSTEM.

NOTE: SEE STANDARD DRAWING STD-6-1 FOR PILE SEISMIC ATTACHMENT DETAILS AND NOTES.

NOTE: WINGBEAM PILES SHALL BE DRIVEN TO THE PLANS TIP ELEVATION OR REFUSAL. SEISMIC ATTACHMENT IS NOT REQUIRED FOR WINGBEAM PILES.

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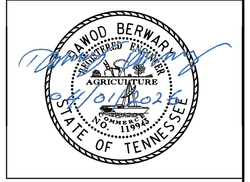

BRIDGE NO. 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ABUTMENT NO. 1
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-601

PIN NO.: 100260.03
DESIGN BY: J. FALCE DATE: 6-25
DRAWN BY: B. ERVIN DATE: 7-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 6-25
CHECKED BY: R. LEFEVRE DATE: 3-26

3/25/2026 8:59:56 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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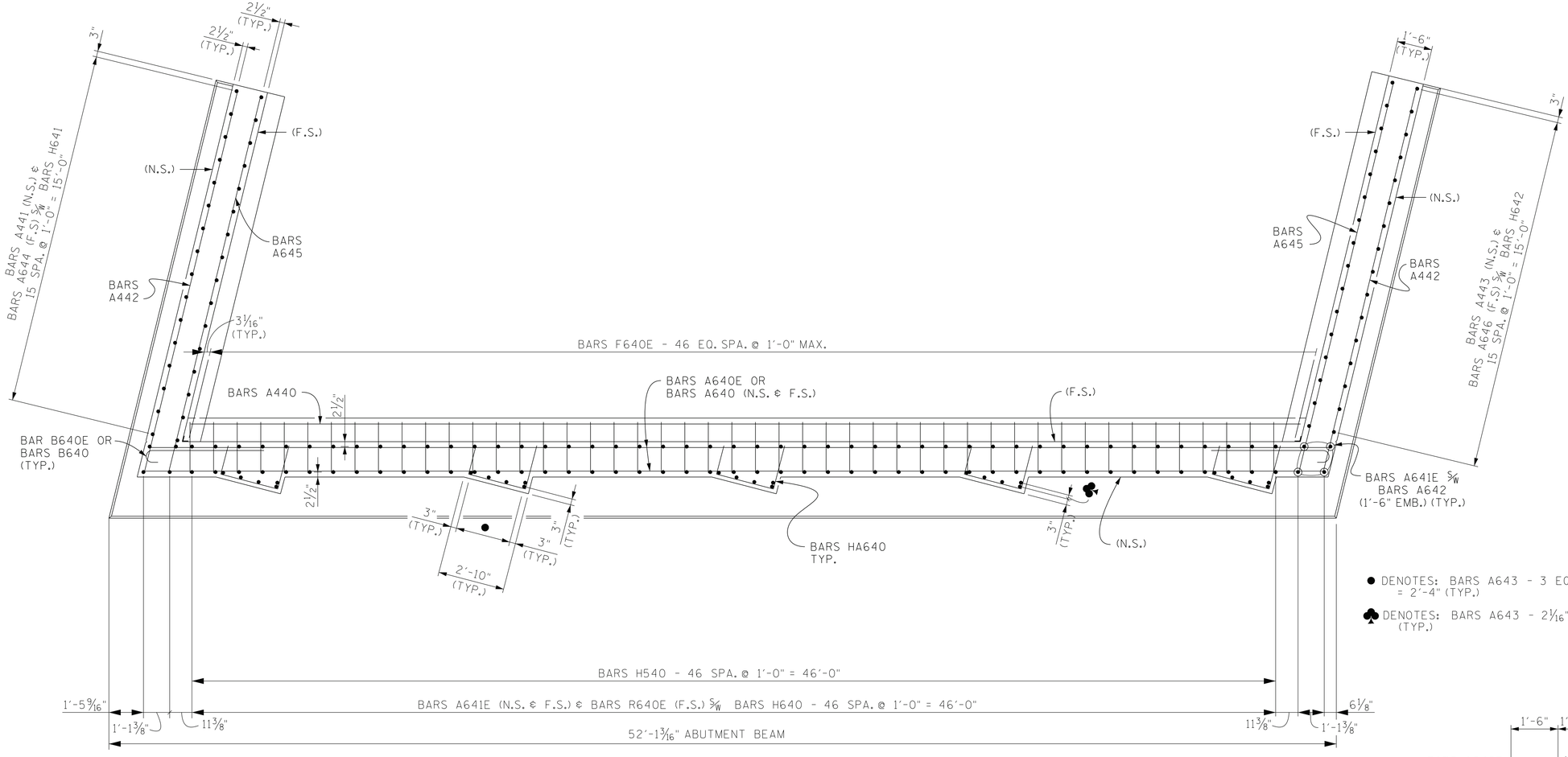
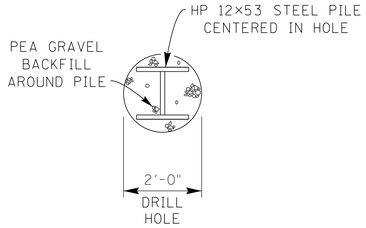


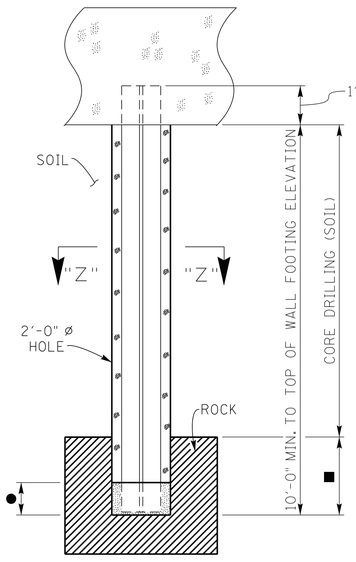
SECTION "C"-"C"

● DENOTES: 1'-0" CONCRETE EMBEDMENT @ BOTTOM OF HOLE TO SECURE BOTTOM OF PILE IN CENTER OF HOLE.

■ DENOTES: CORE DRILLING (ROCK) AS NEEDED TO OBTAIN DEPTH NEEDED.



SECTION "Z-Z"



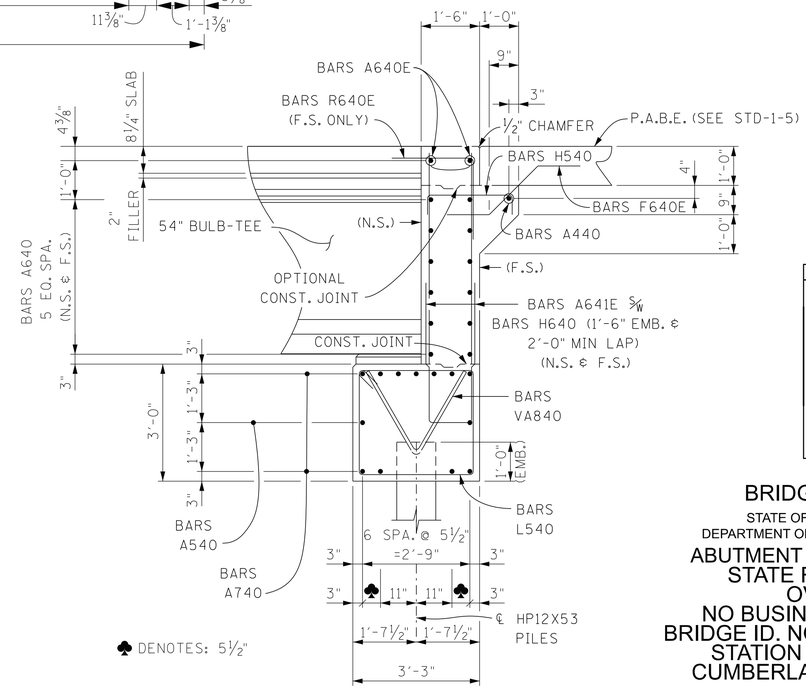
PRE-DRILLED PILE DETAILS

ALL PILES AT (LOCATION) SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS ON THIS SHEET. STEEL PILE TIPS (ITEM NO. 606-03.06) ARE NOT REQUIRED.

1. A 2'-0" DIAMETER HOLE (10'-0" MINIMUM IN LENGTH) SHALL BE DRILLED IN THE PLANS LOCATION FOR THE PILE. THE AMOUNT OF CORE DRILLING (SOIL) AND CORE DRILLING (ROCK) WILL VARY DUE TO LOCATION OF ROCK LINE.
2. THE HOLE SHALL BE THOROUGHLY CLEANED OF ALL LOOSE MATERIAL MINIMUM OF 12 INCHES OF HIGH EARLY STRENGTH CONCRETE PLACED IN THE BOTTOM OF THE HOLE THE PILE INSERTED AND CENTERED IN THE HOLE AND THE PILE SUPPORTED UNTIL THE CONCRETE REACHES ITS INITIAL SET STRENGTH.
3. AS SOON AS THE CONCRETE HAS OBTAINED ITS INITIAL SET AND IT IS ABLE TO STABILIZE THE PILE TIP LOCATION IN THE BOTTOM OF THE HOLE THE HOLE SHALL BE BACKFILLED WITH PEA GRAVEL. THE TOP OF THE PILE SHALL BE BRACED IN A MANNER SO THAT ITS VERTICAL POSITION IN THE CENTER OF THE HOLE IS MAINTAINED.
4. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS SO AS NOT TO DAMAGE THE EXISTING BRIDGE FOUNDATION DURING PILE-DRILLING. CONTRACTOR IS RESPONSIBLE FOR THE COST TO REPAIR ANY DAMAGED AREAS.

● DENOTES: BARS A643 - 3 EQ. SPA. = 2'-4" (TYP.)

♣ DENOTES: BARS A643 - 2 1/16" (TYP.)



♣ DENOTES: 5½"

SECTION "D"-"D"

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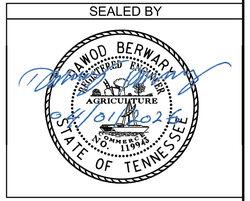

BRIDGE NO. 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ABUTMENT NO. 1 DETAILS
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-602

PIN NO.:	100260.03		
DESIGN BY:	J. FALCE	DATE:	6-25
DRAWN BY:	B. ERVIN	DATE:	7-25
SUPERVISED BY:	S. STEELE/D. BERWARY	DATE:	6-25
CHECKED BY:	R. LEFEVRE	DATE:	3-26

3/25/2026 11:52:49 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
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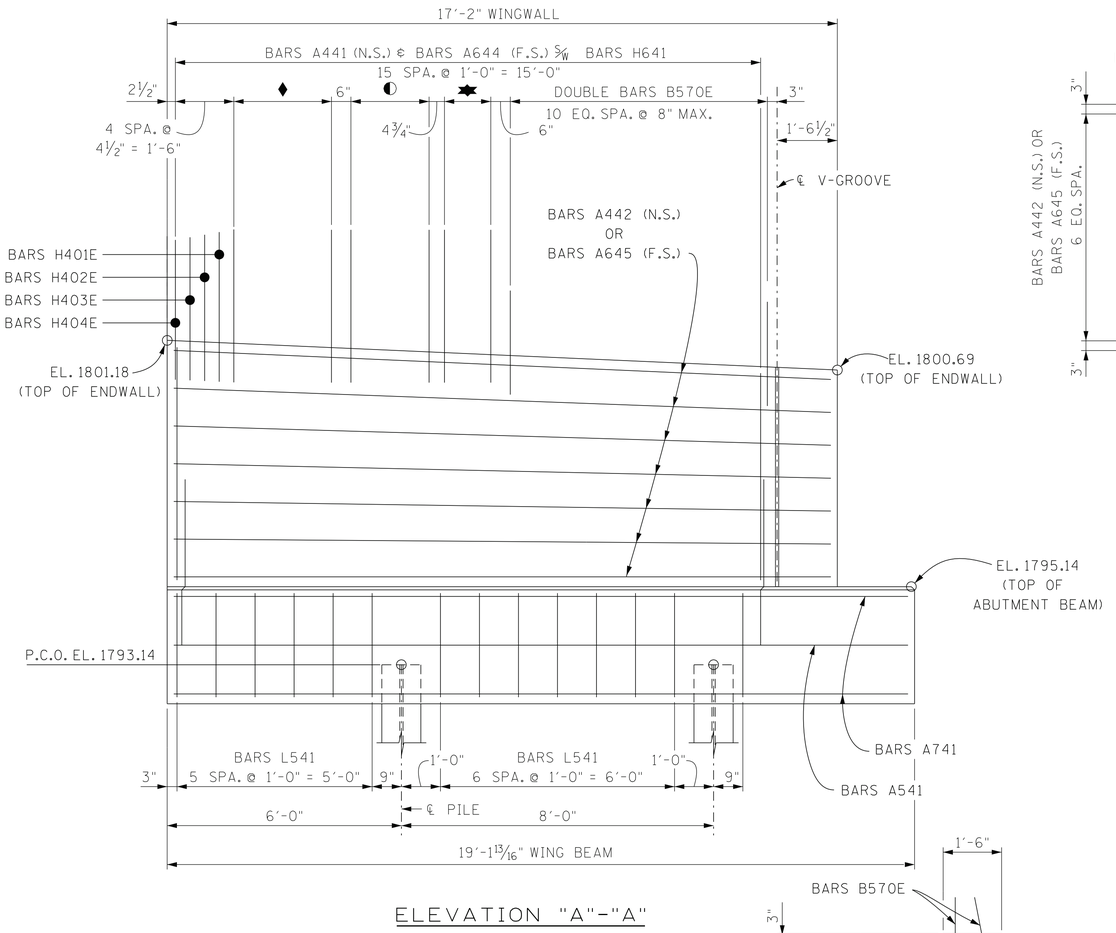
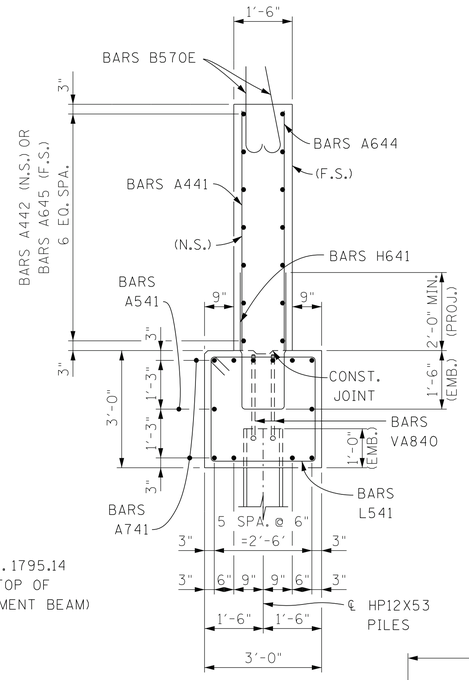
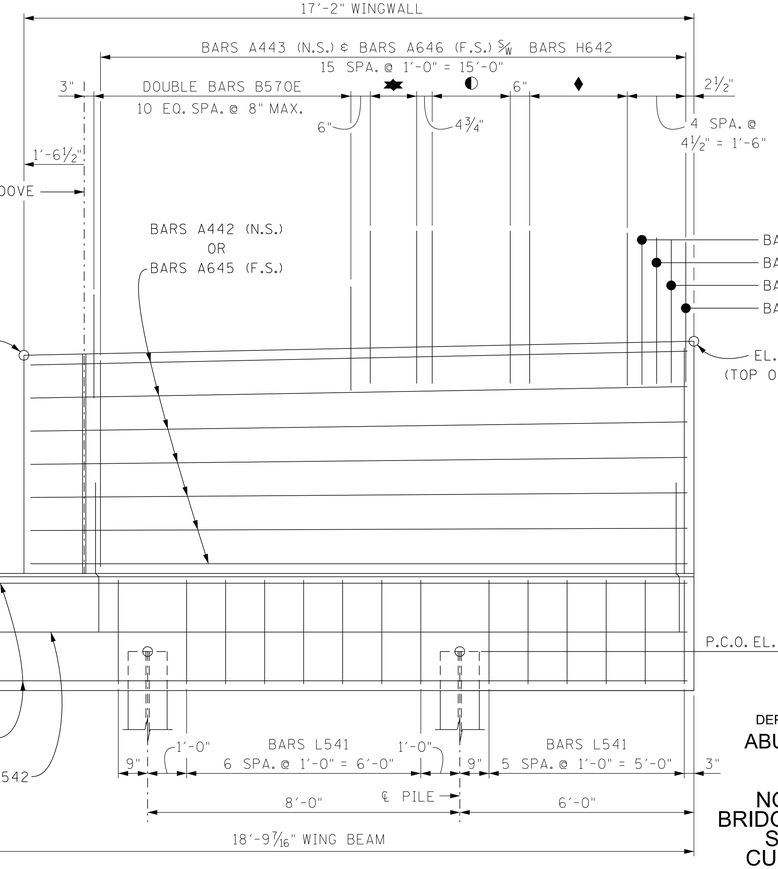


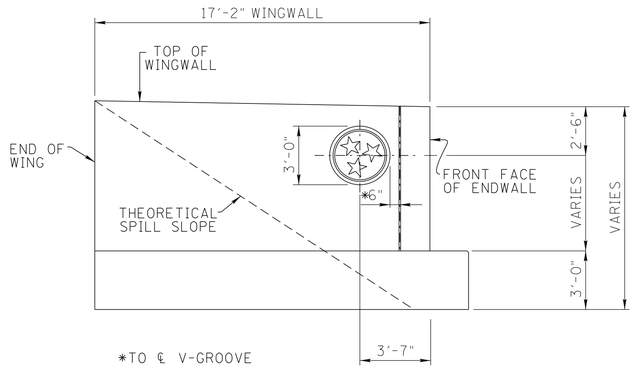
ELEVATION "A"-"A"



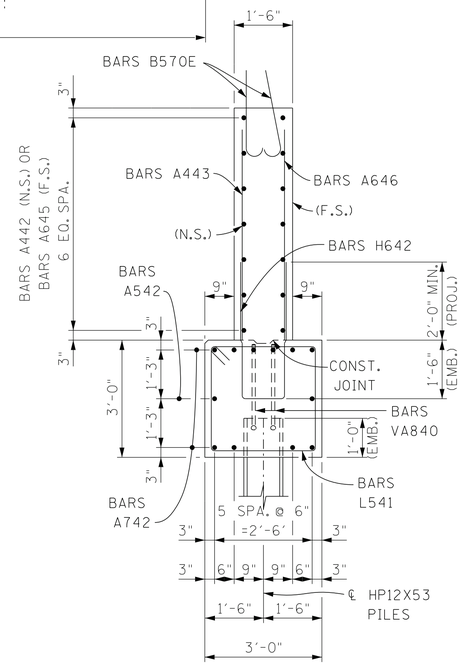
SECTION "A"-"A"



ELEVATION "B"-"B"



ABUTMENT TREATMENT



SECTION "B"-"B"

P.C.O EL. DENOTES: PILE CUT-OFF ELEVATION

✸ DENOTES: SERIES BARS HD400E - 3 SPA. @ 4¾" = 1'-2¼"

◐ DENOTES: SERIES BARS HD401E - 4 SPA. @ 6" = 2'-0"

♦ DENOTES: BARS H400E - 5 SPA. @ 6" = 2'-6"

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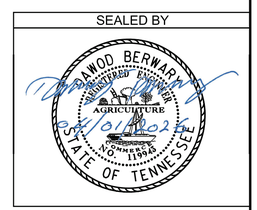


BRIDGE NO. 1
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
ABUTMENT NO. 1 DETAILS
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

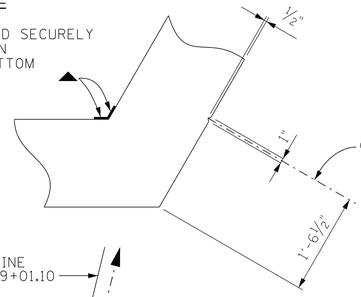
U-95-603

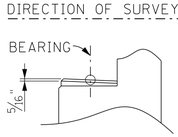
PIN NO.: 100260.03
DESIGN BY: J. FALCE DATE: 6-25
DRAWN BY: B. ERVIN DATE: 7-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 6-25
CHECKED BY: R. LEFEVRE DATE: 3-26

12:06:34 PM
3/25/2026

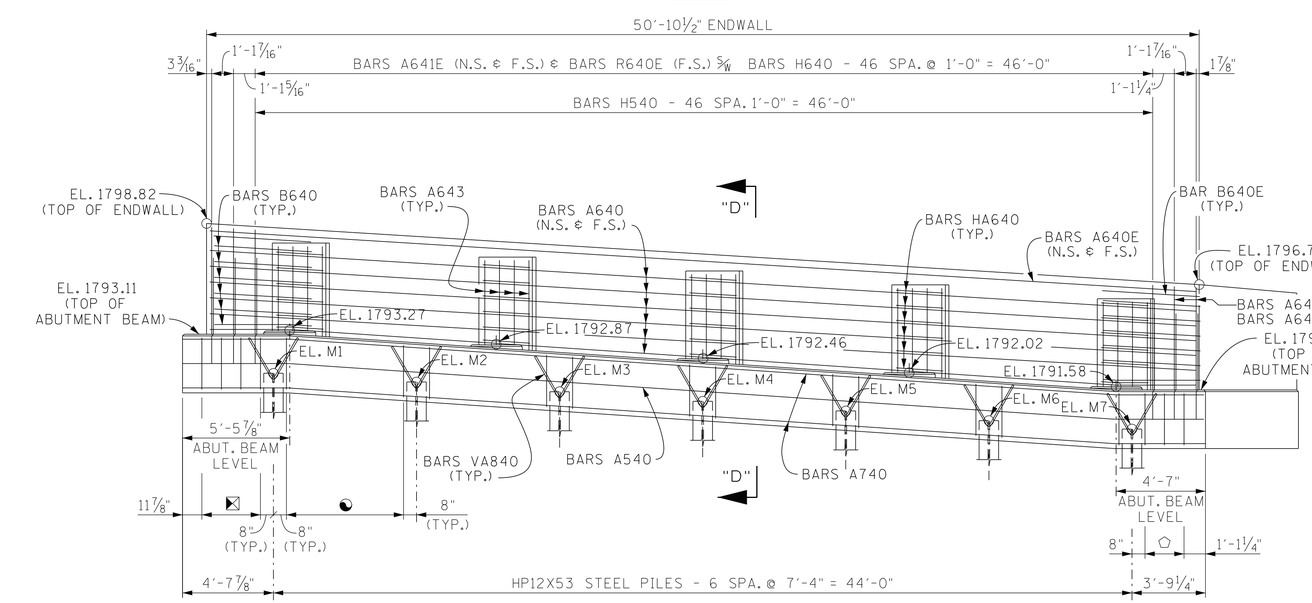
V-GROOVE DETAIL

▲ DENOTES: ½" X 3" BITUMINOUS FIBERBOARD SECURELY BONDED TO CONCRETE SURFACE TO RUN FROM TOP OF ABUTMENT BEAM TO BOTTOM OF ROADWAY BRACKET.





RISER BLOCK SLOPE DETAIL
(TYP. EACH RISER BLOCK)



PLAN

ELEVATION
(LOOKING FORWARD ON SURVEY)

▣ DENOTES: BARS L540 - 3 SPA. @ 1'-0" = 3'-0"

◒ DENOTES: BARS L540 - 6 SPA. @ 1'-0" = 6'-0" (TYP. BETWEEN PILES)

⬠ DENOTES: BARS L540 - 2 SPA. @ 1'-0" = 2'-0"

PILE CUT-OFF
TABLE OF ELEVATIONS

LOCATION	"M1"	"M2"	"M3"	"M4"	"M5"	"M6"	"M7"
ELEVATION	1791.11	1790.82	1790.54	1790.26	1789.98	1789.69	1789.41

NOTE: RISER BLOCKS SHALL BE POURED MONOLITHICALLY WITH THE ABUTMENT BEAM.

NOTE: RISER BLOCK BEARING SURFACE TO CONFORM TO BOTTOM OF BEAM GRADE.

NOTE: ELASTOMERIC PADS SHALL BE IN PLACE A MINIMUM OF ONE DAY BEFORE BEING DISTURBED BY SETTING BEAMS. PLACE RUBBER BONDING CEMENT IN SUCH A WAY THAT VISIBLE CONCRETE SURFACES WILL NOT BE STAINED.

NOTE: WHEN POURING WINGWALLS, PROVISIONS SHALL BE MADE FOR SETTING REINFORCING STEEL FOR WINGPOSTS AND PARAPETS. FOR DETAILS OF WINGPOSTS AND PARAPETS, SEE STD. DWG. NO. STD 1-1SS.

NOTE: NOT LESS THAN HALF OF THE SLAB IN THE END SPANS SHALL BE POURED PRIOR TO PLACEMENT OR CONCURRENTLY WITH PLACEMENT OF ANY PART OF THE ABUTMENT ENDWALLS. AT LEAST THE TOP 12 INCHES OF THE ENDWALLS SHALL BE POURED CONCURRENTLY WITH THE END OF SLAB.

NOTE: COST OF PARAPET AND POST IS TO BE INCLUDED IN THE UNIT PRICE BID FOR THE PARAPET SYSTEM.

NOTE: SEE STANDARD DRAWING STD-6-1 FOR PILE SEISMIC ATTACHMENT DETAILS AND NOTES.

NOTE: WINGBEAM PILES SHALL BE DRIVEN TO THE PLANS TIP ELEVATION OR REFUSAL. SEISMIC ATTACHMENT IS NOT REQUIRED FOR WINGBEAM PILES.

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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	- -		
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	- -		

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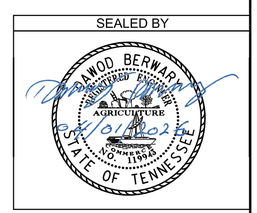

PIN NO.: 100260.03
DESIGN BY: J. FALCE DATE: 6-25
DRAWN BY: B. ERVIN DATE: 7-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 6-25
CHECKED BY: R. LEFEVRE DATE: 3-26

BRIDGE NO. 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ABUTMENT NO. 2
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-604

8:58:39 AM
3/25/2026

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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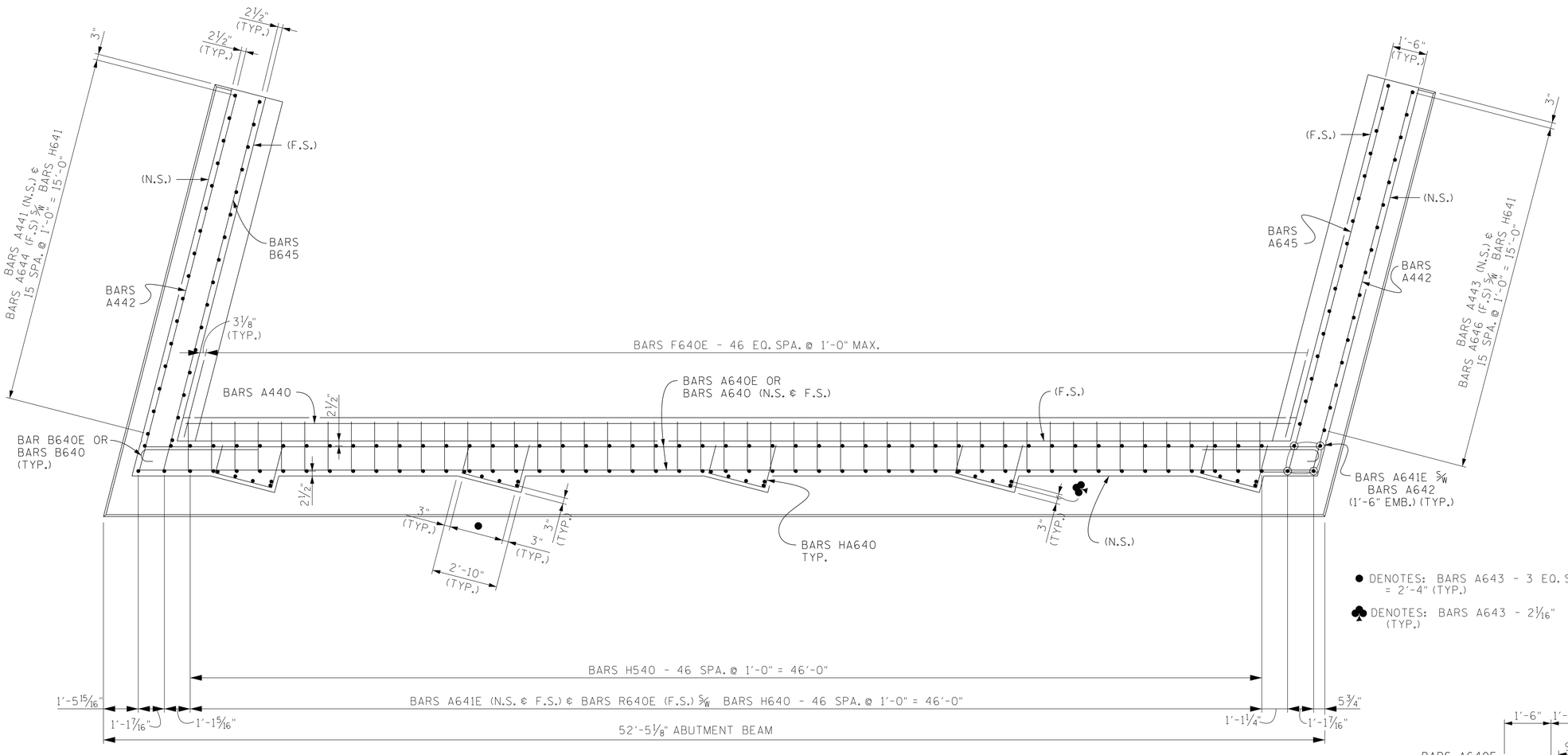
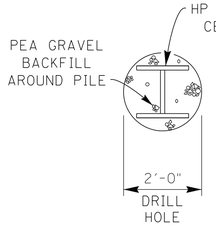


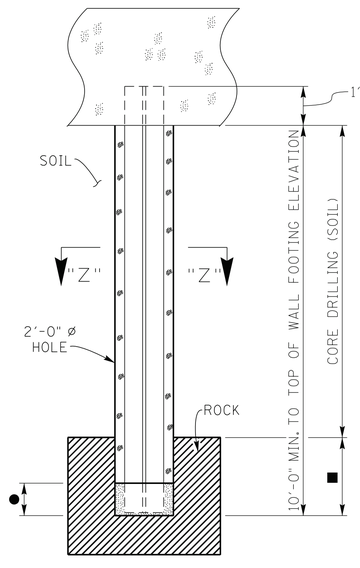
SECTION "C"-"C"

● DENOTES: 1'-0" CONCRETE EMBEDMENT @ BOTTOM OF HOLE TO SECURE BOTTOM OF PILE IN CENTER OF HOLE.

■ DENOTES: CORE DRILLING (ROCK) AS NEEDED TO OBTAIN DEPTH NEEDED.



SECTION "Z-Z"



PRE-DRILLED PILE DETAILS

ALL PILES AT (LOCATION) SHALL BE INSTALLED IN ACCORDANCE DETAILS ON THIS SHEET. STEEL PILE TIPS (ITEM NO. 606-03.(REQUIRED.

1. A 2'-0" DIAMETER HOLE (10'-0" MINIMUM IN LENGTH) SHALL BE PLANS LOCATION FOR THE PILE. THE AMOUNT OF CORE DRILLI DRILLING (ROCK) WILL VARY DUE TO LOCATION OF ROCK LINE.

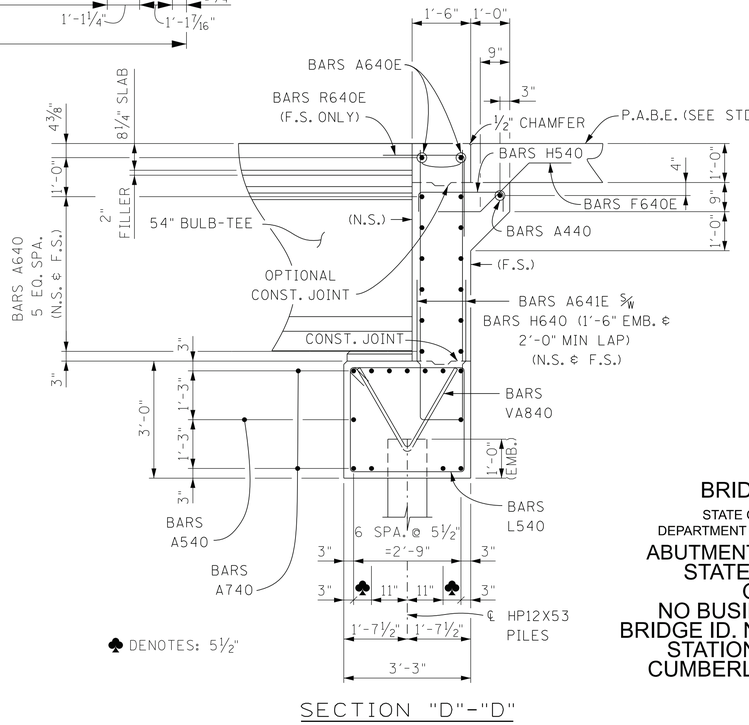
2. THE HOLE SHALL BE THOROUGHLY CLEANED OF ALL LOOSE MA MINIMUM OF 12 INCHES OF HIGH EARLY STRENGTH CONCRETE THE BOTTOM OF THE HOLE THE PILE INSERTED AND CENTERE AND THE PILE SUPPORTED UNTIL THE CONCRETE REACHES ITS SET STRENGTH.

3. AS SOON AS THE CONCRETE HAS OBTAINED ITS INITIAL SET ABLE TO STABILIZE THE PILE TIP LOCATION IN THE BOTTOM THE HOLE SHALL BE BACKFILLED WITH PEA GRAVEL. THE TOP SHALL BE BRACED IN A MANNER SO THAT ITS VERTICAL POSI CENTER OF THE HOLE IS MAINTAINED.

4. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS SO A DAMAGE THE EXISTING BRIDGE FOUNDATION DURING PILE-DRILI CONTRACTOR IS RESPONSIBLE FOR THE COST TO REPAIR ANY AREAS.

● DENOTES: BARS A643 - 3 EQ. SPA. = 2'-4" (TYP.)

♣ DENOTES: BARS A643 - 2 1/16" (TYP.)



SECTION "D"-"D"

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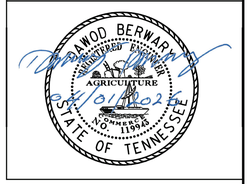

BRIDGE NO. 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ABUTMENT NO. 2 DETAILS
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-605

PIN NO.: 100260.03

DESIGN BY:	J. FALCE	DATE: 6-25
DRAWN BY:	B. ERVIN	DATE: 7-25
SUPERVISED BY:	S. STEELE/D. BERWARY	DATE: 6-25
CHECKED BY:	R. LEFEVRE	DATE: 3-26

12:08:00 PM
3/25/2026

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
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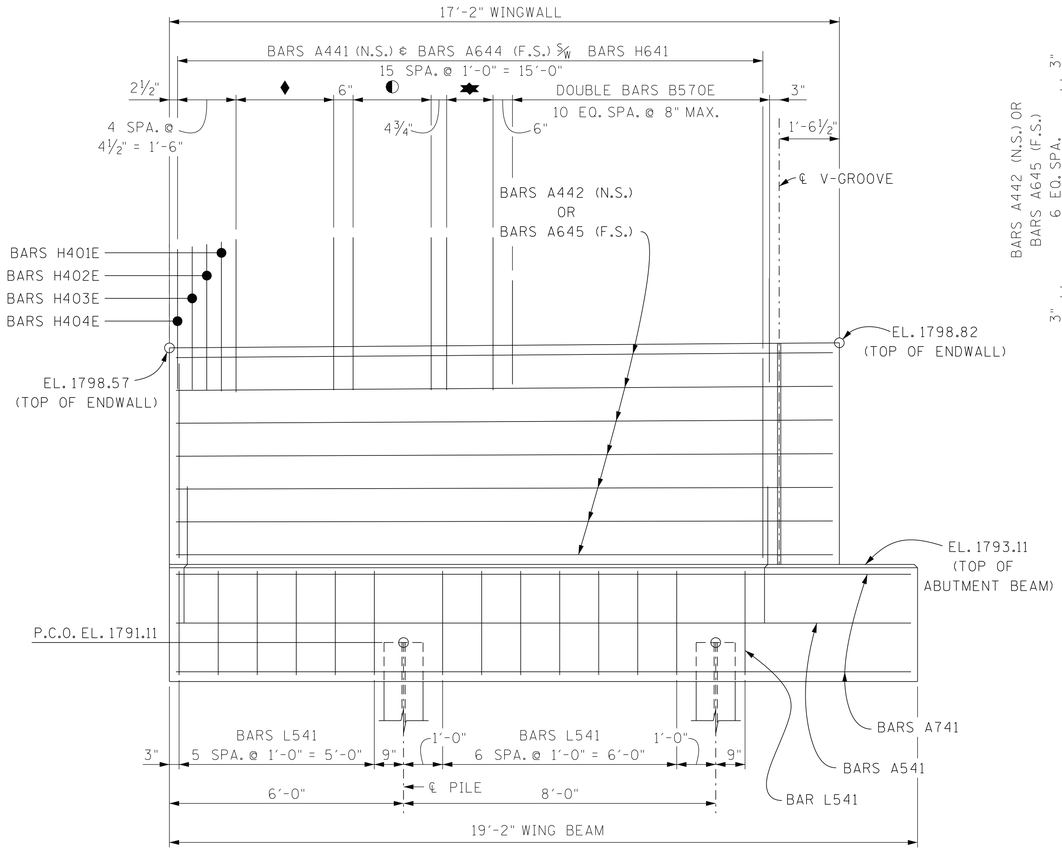
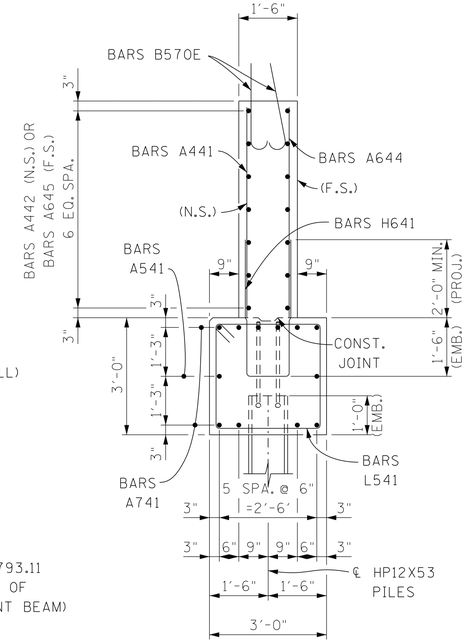


ELEVATION "A"-"A"



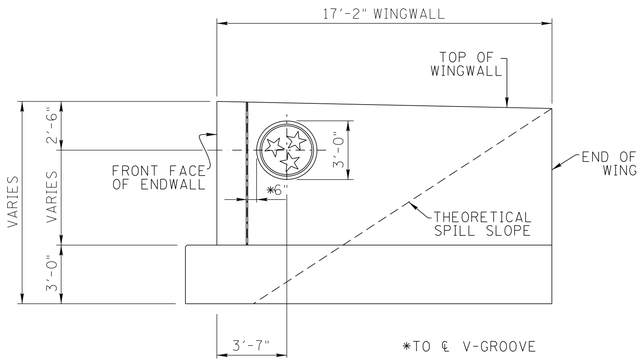
SECTION "A"-"A"

P.C.O EL. DENOTES: PILE CUT-OFF ELEVATION

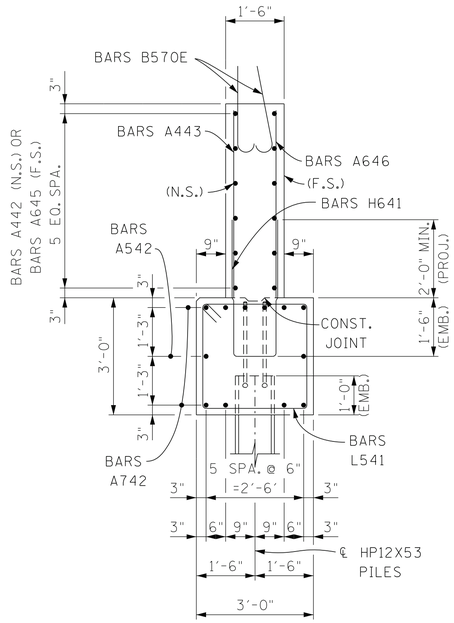
✸ DENOTES: SERIES BARS HD400E - 3 SPA. @ 4¾" = 1'-2¼"

◐ DENOTES: SERIES BARS HD401E - 4 SPA. @ 6" = 2'-0"

♦ DENOTES: BARS H400E - 5 SPA. @ 6" = 2'-6"



ABUTMENT TREATMENT



SECTION "B"-"B"

ELEVATION "B"-"B"

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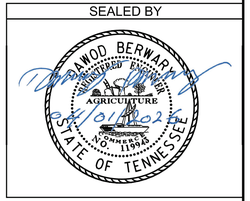

BRIDGE NO. 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ABUTMENT NO. 2 DETAILS
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-606

PIN NO.: 100260.03

DESIGN BY:	J. FALCE	DATE:	6-25
DRAWN BY:	B. ERVIN	DATE:	7-25
SUPERVISED BY:	S. STEELE/D. BERWARY	DATE:	6-25
CHECKED BY:	R. LEFEVRE	DATE:	3-26

3/25/2026 12:09:14 PM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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	- -		
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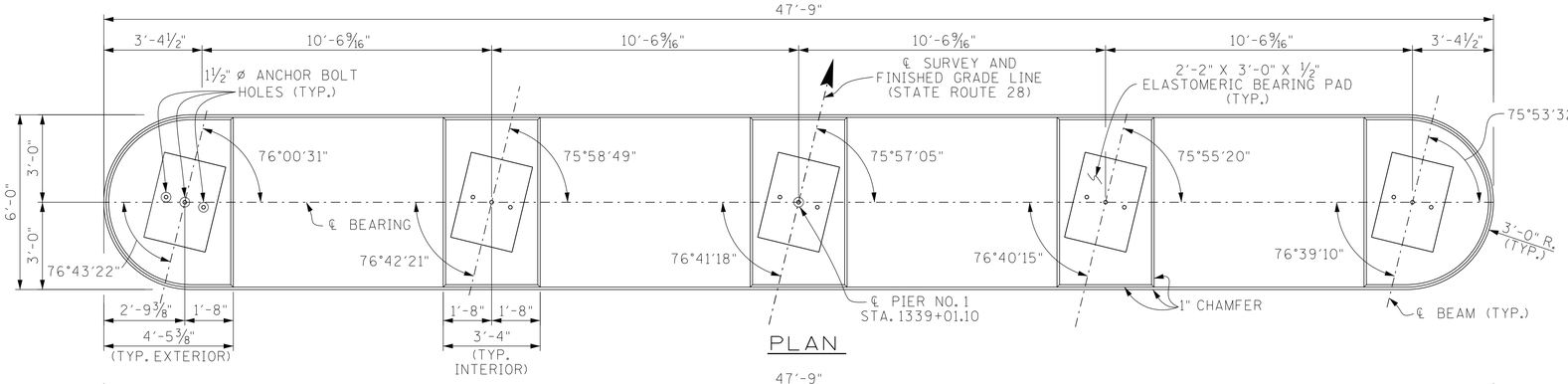
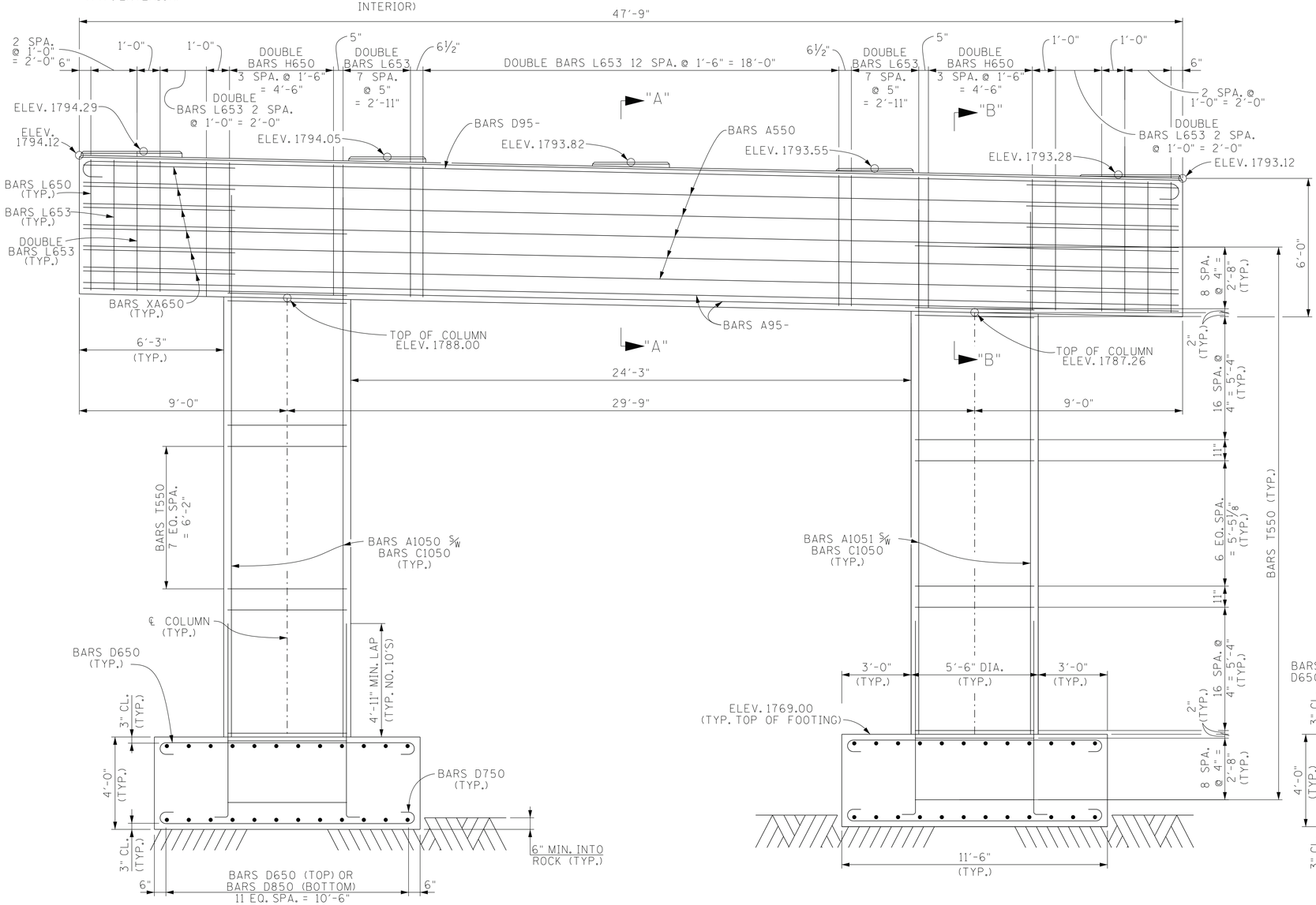
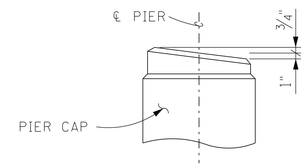


PLAN



ELEVATION

DIRECTION OF SURVEY



RISER BLOCK SLOPE DETAIL

NOTE: RISER BLOCK BEARING SURFACE TO CONFORM TO BOTTOM OF BEAM GRADE.

GENERAL NOTES:

NOTE: WHEN POURING CAP BEAM, PROVISIONS SHALL BE MADE FOR SETTING ANCHOR BOLTS. SEE STANDARD DRAWING STD-6-1. BOLT PROJECTION 11".

NOTE: RISER BLOCKS TO BE POURED MONOLITHICALLY WITH PIER CAP.

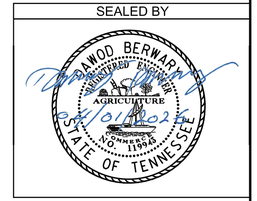
NOTE: ELASTOMERIC PADS SHALL BE IN PLACE A MINIMUM OF ONE DAY BEFORE BEING DISTURBED BY SETTING BEAMS ON CONCRETE. PLACE RUBBER BONDING CEMENT IN SUCH A WAY THAT VISIBLE CONCRETE SURFACES WILL NOT BE STAINED.

NOTE: COLUMN STEEL TO EXTEND 4'-5" INTO CAP BEAM.

NOTE: SEE STANDARD DRAWING STD-6-1 FOR PILE SEISMIC ATTACHMENT DETAILS AND NOTES.

END ELEVATION

SEALED BY



BRIDGE NO. 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PIER NO. 1
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-607

PIN NO.: 100260.03

DESIGN BY:	J. FALCE	DATE:	6-25
DRAWN BY:	C.STAPLER	DATE:	6-25
SUPERVISED BY:	S. STEELE/D. BERWARY	DATE:	6-25
CHECKED BY:	R. LEFEVRE	DATE:	3-26

3/25/2026 11:35:15 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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	- -		
	- -		
	- -		
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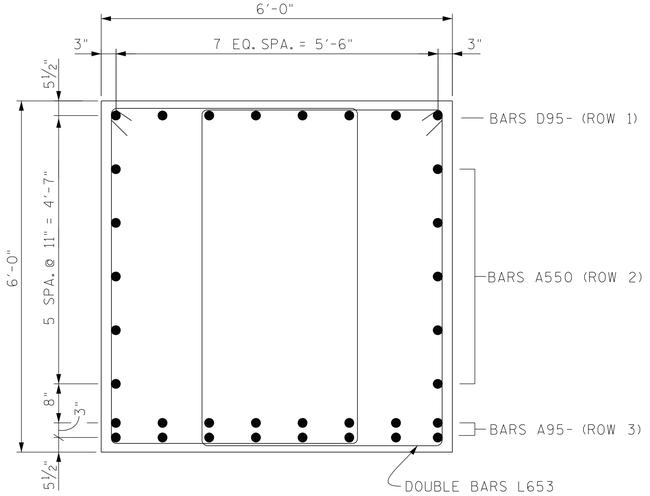
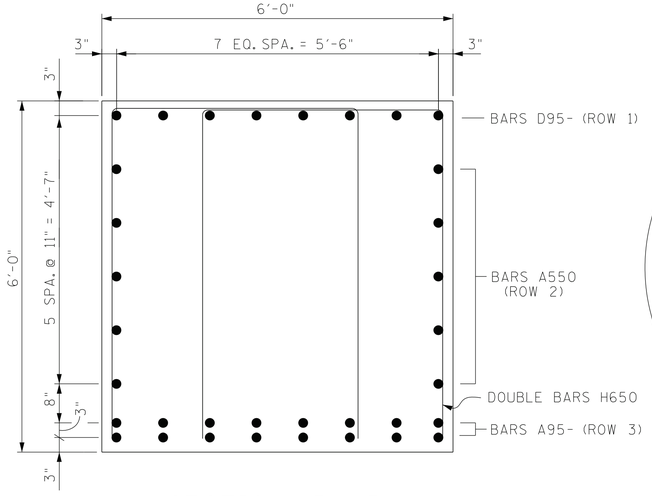
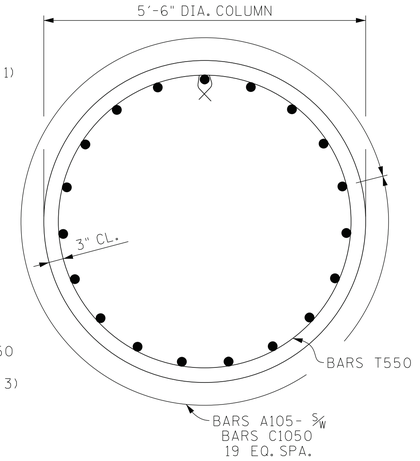


SECTION "A"-"A"



SECTION "B"-"B"



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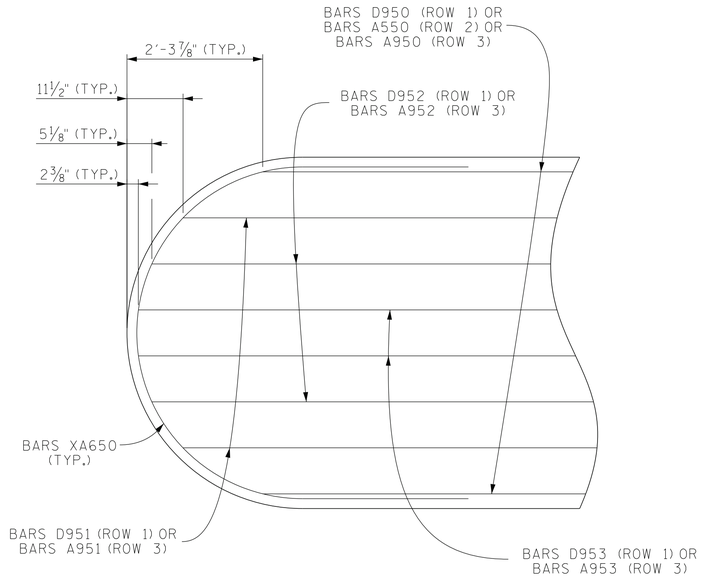
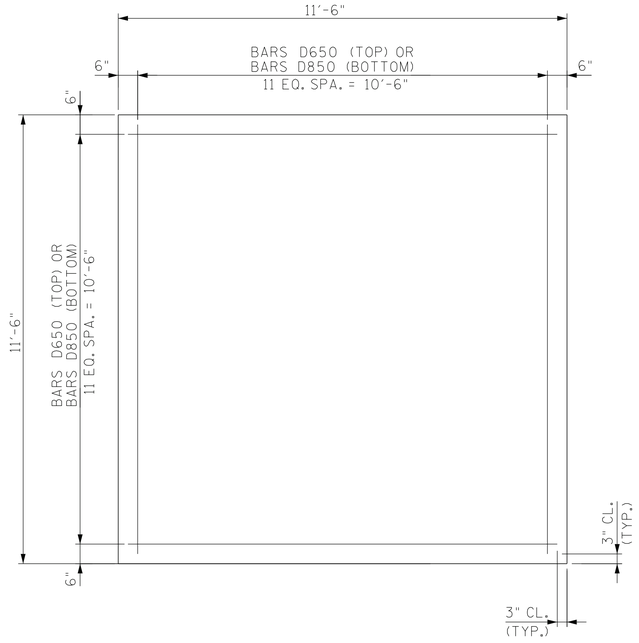


PARTIAL PLAN OF CAP



PLAN OF FOOTING

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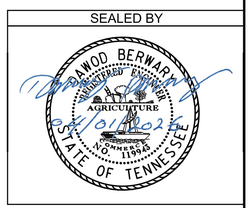

4/01/2026

BRIDGE NO. 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PIER NO. 1 DETAILS
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-608

PIN NO.: 100260.03

DESIGN BY:	J. FALCE	DATE:	6-25
DRAWN BY:	C. STAPLER	DATE:	6-25
SUPERVISED BY:	S. STEELE/D. BERWARY	DATE:	6-25
CHECKED BY:	R. LEFEVRE	DATE:	3-26

3/25/2026 11:36:13 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
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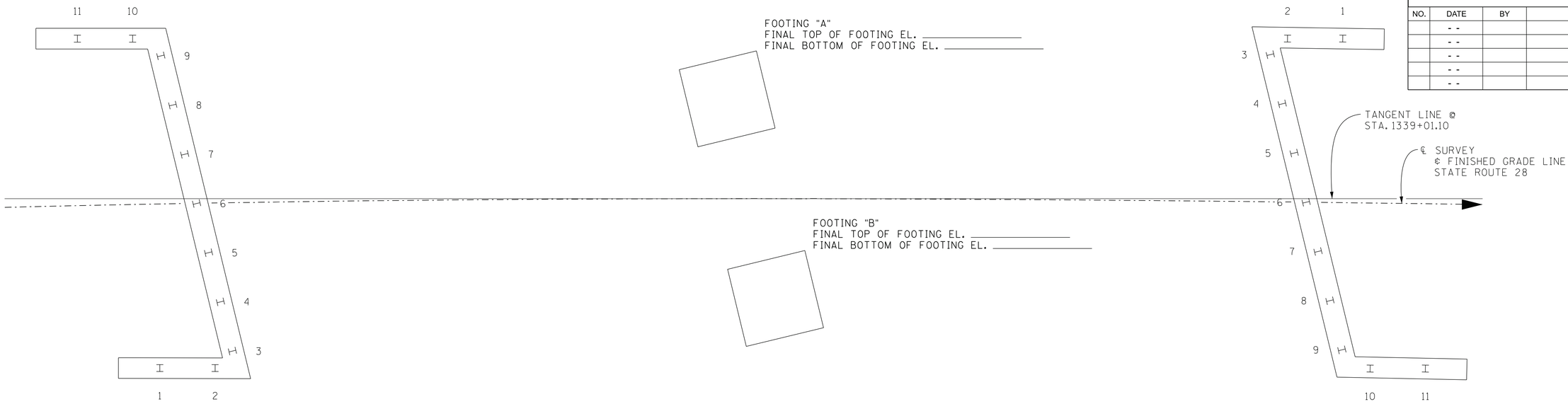
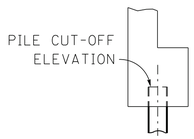
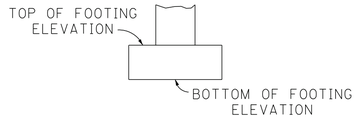


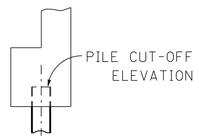
ABUTMENT NO. 1 PIER NO. 1 ABUTMENT NO. 2



ABUTMENT NO. 1



PIER NO. 1



ABUTMENT NO. 2

TABLE OF PILE DATA

		1	2	3	4	5	6	7	8	9	10	11
ABUTMENT NO. 1	PILE CUT-OFF ELEVATION											
	PILE TIP ELEVATION											
	IN PLACE PILE LENGTH											
ABUTMENT NO. 2	PILE CUT-OFF ELEVATION											
	PILE TIP ELEVATION											
	IN PLACE PILE LENGTH											

☞ NOTE TO CONTRACTOR AND CONSTRUCTION OFFICE:
THE BLANKS ON THIS SHEET ARE TO BE FILLED IN BY THE CONSTRUCTION OFFICE AND/OR FIELD ENGINEER GIVING AS BUILT CONDITIONS. AFTER COMPLETION IT IS TO BE SENT TO THE DIVISION OF STRUCTURES TO BECOME PART OF FINAL BRIDGE DOCUMENTS.

PIN NO.: 100260.03
DESIGN BY: J. FALCE DATE: 6-25
DRAWN BY: B. ERVIN DATE: 07/25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 6-25
CHECKED BY: R. LEFEVRE DATE: 3-26

3/25/2026 12:10:31 PM

BRIDGE NO. 1
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
FINAL FOUNDATION DATA
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-609

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

SUPERSTRUCTURE (EPOXY)

BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A500E	SLAB	5	642					50'-4"
A501E	SLAB	5	68					60'-0"
A502E	SLAB	5	34					50'-8"
A503E	SLAB	5	102					44'-2"
A800E	SLAB	8	51					60'-0"
A801E	SLAB	8	51					24'-11"
A802E	SLAB	8	46					22'-10"
B570E	PARAPET	5	984	2'-8"				3'-3"

SUPERSTRUCTURE

BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A504	DIAPHRAGM	5	24					5'-3"
A505	DIAPHRAGM	5	48					8'-3"
A506	DIAPHRAGM	5	36					8'-5"
L400	DIAPHRAGM	4	32	1'-2"	4'-6"			12'-1"
L401	DIAPHRAGM	4	10	1'-2"	1'-2"			5'-5"

ABUTMENT NO. 1

BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A440	ROADWAY BRACKET	4	1					47'-4"
A441	WINGWALL	4	16					5'-5"
A442	WINGWALL	4	14					16'-10"
A443	WINGWALL	4	16					5'-5"
A540	ABUTMENT BEAM	5	2					51'-9"
A541	WING BEAM	5	2					18'-1"
A542	WING BEAM	5	2					18'-5"
A640	ENDWALL	6	12					50'-3"
A642	ENDWALL/ABUTMENT BEAM	6	8					3'-11"
A643	FILLETS	6	25					4'-4"
A644	WINGWALL	6	16					5'-5"
A645	WINGWALL	6	14					16'-6"
A646	WINGWALL	6	16					5'-5"
A740	ABUTMENT BEAM	7	11					51'-9"
A741	WING BEAM	7	10					18'-1"
A742	WING BEAM	7	10					18'-5"
B640	ENDWALL	6	12	5'-0"				5'-8"
H540	ENDWALL/ROADWAY BRACKET	5	47	2'-2"	6"			3'-2"
H640	ENDWALL/ABUTMENT BEAM	6	47	1'-2"	3'-7"			8'-4"
H641	WINGWALL/WING BEAM	6	16	1'-2"	4'-0"			9'-2"
H642	WINGWALL/WING BEAM	6	16	1'-2"	3'-10"			8'-10"
HA640	FILLETS	6	30	3'-2"	2'-0"	1'-4"		6'-6"
L540	ABUTMENT BEAM	5	49	2'-11"	2'-8"			12'-1"
L541	WING BEAMS	5	28	2'-8"	2'-8"			11'-7"
VA840	PILES	8	14	2'-6"	2'-6"			5'-0"

ABUTMENT NO. 1 (EPOXY)

BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A640E	ENDWALL	6	2					50'-3"
A641E	ENDWALL	6	102					5'-5"
B570E	WINGWALLS/PARAPET	5	44	2'-8"				3'-3"
B640E	ENDWALL	6	2	5'-0"				5'-8"
F640E	P.A.B.E.	6	47	1'-1"	1'-3"	1'-1"	1'-3"	4'-0"
H400E	WINGWALLS/PARAPET	4	12	11"	3'-11"			8'-9"
H401E	WINGWALLS/PARAPET	4	2	11"	3'-10"			8'-7"
H402E	WINGWALLS/PARAPET	4	2	10"	3' 9"			8' 4"
H403E	WINGWALLS/PARAPET	4	2	8"	3'-8"			8'-0"
H404E	WINGWALLS/PARAPET	4	2	5"	3'-7"			7'-7"
SERIES								
HD400E	WINGWALLS/PARAPET	4	2	*	3'-11"	4'-0"	9"	33'-3"
				DIM. A VARIES FROM 3 3/4" TO 5 7/8"				
				IN INC. OF 11/16" (4 BARS)				
SERIES								
HD401E	WINGWALLS/PARAPET	4	2	*	3'-11"	4'-0"	9"	43'-1"
				DIM A VARIES FROM 6 1/2" TO 10"				
				IN INC. OF 7/8" (5 BARS)				
R640E	SLAB/ENDWALL	6	47	2'-0"	2'-0"			4'-0"

ABUTMENT NO. 2

BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A440	ROADWAY BRACKET	4	1					47'-4"
A441	WINGWALL	4	16					5'-3"
A442	WINGWALL	4	13					16'-10"
A443	WINGWALL	4	16					4'-10"
A540	ABUTMENT BEAM	5	2					52'-1"
A541	WING BEAM	5	2					18'-1"
A542	WING BEAM	5	2					18'-5"
A640	ENDWALL	6	12					50'-7"
A642	ENDWALL/ABUTMENT BEAM	6	8					3'-9"
A643	FILLETS	6	25					4'-4"
A644	WINGWALL	6	16					5'-3"
A645	WINGWALL	6	13					18'-6"
A646	WINGWALL	6	16					4'-10"
A740	ABUTMENT BEAM	7	11					52'-1"
A741	WING BEAM	7	10					18'-1"
A742	WING BEAM	7	10					18'-5"
B640	ENDWALL	6	12	5'-0"				5'-8"
H540	ENDWALL/ROADWAY BRACKET	5	47	2'-2"	6"			3'-2"
H640	ENDWALL/ABUTMENT BEAM	6	47	1'-2"	3'-10"			8'-10"
H641	WINGWALLS/WING BEAMS	6	32	1'-2"	3'-9"			8'-8"
HA640	FILLETS	6	30	3'-2"	2'-0"	1'-4"		6'-6"
L540	ABUTMENT BEAM	5	49	2'-11"	2'-8"			12'-1"
L541	WING BEAMS	5	28	2'-8"	2'-8"			11'-7"
VA840	PILES	8	14	2'-6"	2'-6"			5'-0"

ABUTMENT NO. 2 (EPOXY)

BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A640E	ENDWALL	6	2					50'-7"
A641E	ENDWALL	6	102					5'-3"
B570E	WINGWALLS/PARAPET	5	44	2'-8"				3'-3"
B640E	ENDWALL	6	2	5'-0"				5'-8"
F640F	P.A.B.E.	6	49	1'-1"	1'-3"	1'-1"	1'-3"	4'-0"
H400E	WINGWALLS/PARAPET	4	12	11"	3'-11"			8'-9"
H401E	WINGWALLS/PARAPET	4	2	11"	3'-10"			8'-7"
H402E	WINGWALLS/PARAPET	4	2	10"	3'-9"			8'-4"
H403E	WINGWALLS/PARAPET	4	2	8"	3'-8"			8'-0"
H404E	WINGWALLS/PARAPET	4	2	5"	3'-7"			7'-7"
SERIES								
HD400E	WINGWALLS/PARAPET	4	2	*	3'-11"	4'-0"	9"	33'-3"
				DIM. A VARIES FROM 3 3/4" TO 5 7/8"				
				IN INC. OF 11/16" (4 BARS)				
SEREIS								
HD401E	WINGWALLS/PARAPET	4	2	*	3'-11"	4'-0"	9"	43'-1"
				DIM. A VARIES FROM 6 1/2" TO 10"				
				IN INC. OF 7/8" (5 BARS)				
R640E	SLAB/ENDWALL	6	47	2'-0"	2'-0"			4'-0"

PIER NO. 1

BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A550	CAP	5	10					43'-1"
A950	CAP	9	4					43'-1"
A951	CAP	9	4					45'-10"
A952	CAP	9	4					46'-11"
A953	CAP	9	4					47'-4"
A1050	COLUMN/CAP	10	19					23'-5"
A1051	COLUMN/CAP	10	19					22'-8"
C1050	COLUMN/FOOTING	10	38	8'-5"				10'-3"
D650	FOOTING	6	48	11'-0"				12'-4"
D850	FOOTING	8	48	11'-0"				12'-10"
D950	CAP	9	2	43'-1"				45'-7"
D951	CAP	9	2	45'-10"				48'-4"
D952	CAP	9	2	46'-11"				49'-5"
D953	CAP	9	2	47'-4"				49'-10"
H650	CAP	6	16	5'-8"	5'-8"			17'-0"
L650	CAP	6	2	2'-8"	5'-8"			18'-0"
L653	CAP	6	80	3'-11"	5'-8"			20'-6"
T550	CAP/COLUMN/FOOTING	5	119	5'-0"				16'-8"
XA650	CAP	6	16	3'-7"	2'-10"			16'-1"

REINFORCING STEEL CODE

TYPE	SIZE	SERIES
A	5	06

NOTE: DIMENSIONS SHOWN ON THIS SHEET ARE OUTSIDE TO OUTSIDE OF BAR. STANDARD C.R.S.I. HOOK DETAILS SHALL APPLY, EXCEPT AS NOTED.

NOTE: THE SUFFIX E FOR BARS SO MARKED DENOTES EPOXY COATED REINFORCEMENT.



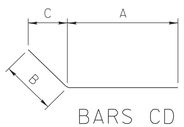
BARS A



BARS B



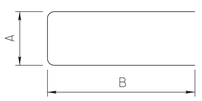
BARS C



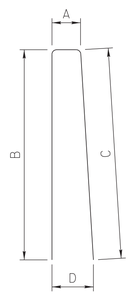
BARS CD



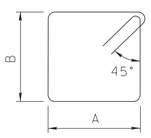
BARS D



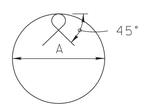
BARS H



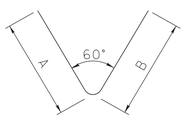
BARS HD



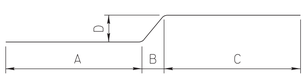
BARS L



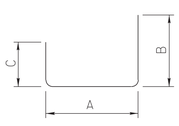
BARS T



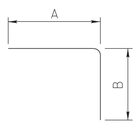
BARS VA



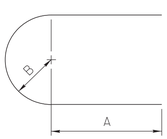
BARS F



BARS HA



BARS R



BARS XA

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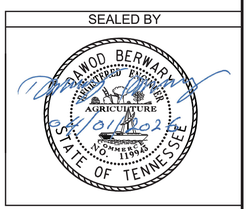

BRIDGE NO. 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BILL OF STEEL
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-610

PIN NO.: 100260.03
DESIGN BY: J. FALCE DATE: 6-25
DRAWN BY: T. WISEMAN DATE: 7-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 6-25
CHECKED BY: R. LEFEVRE DATE: 3-26

3/25/2026 11:32:24 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

LIST OF DRAWINGS

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LAYOUT OF BRIDGE	U-95-612	--/--/--
GENERAL NOTES	U-95-613	--/--/--
ESTIMATED QUANTITIES	U-95-614	--/--/--
FOUNDATION DATA	U-95-615	--/--/--
SUPERSTRUCTURE	U-95-616	--/--/--
SUPERSTRUCTURE DETAILS	U-95-617	--/--/--
SUPERSTRUCTURE DETAILS	U-95-618	--/--/--
SUPERSTRUCTURE DETAILS	U-95-619	--/--/--
SUPERSTRUCTURE DETAILS	U-95-620	--/--/--
SUPERSTRUCTURE DETAILS	U-95-621	--/--/--
BRIDGE SCREED	U-95-622	--/--/--
PRESTRESSED BEAM DETAILS SPAN NO. 1	U-95-623	--/--/--
PRESTRESSED BEAM DETAILS SPAN NO. 2	U-95-624	--/--/--
PRESTRESSED BEAM DETAILS SPAN NO. 3	U-95-625	--/--/--
ABUTMENT NO. 1	U-95-626	--/--/--
ABUTMENT NO. 1 DETAILS	U-95-627	--/--/--
ABUTMENT NO. 1 DETAILS	U-95-628	--/--/--
ABUTMENT NO. 2	U-95-629	--/--/--
ABUTMENT NO. 2 DETAILS	U-95-630	--/--/--
ABUTMENT NO. 2 DETAILS	U-95-631	--/--/--
PIER NO. 1	U-95-632	--/--/--
PIER NO. 1 DETAILS	U-95-633	--/--/--
PIER NO. 2	U-95-634	--/--/--
PIER NO. 2 DETAILS	U-95-635	--/--/--
PIER NO. 1 AND NO. 2 DETAILS	U-95-636	--/--/--
FINAL FOUNDATION DATA	U-95-637	--/--/--
BILL OF STEEL	U-95-638	--/--/--
BILL OF STEEL	U-95-639	--/--/--

LIST OF STANDARD DRAWINGS

	DWG. NO.	LAST REV. DATE
BRIDGE END DRAIN FLUME DETAILS	D-FLU-3	04-14-25
SAFETY APPROACH TO UNDERPASSES GRADING DESIGN AND SLOPE PROTECTION	RD11-SA-1	01-09-24
BRIDGE RAILING SINGLE SLOPE CONCRETE PARAPET	STD-1-1SS	07-09-25
REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS	STD-1-5	06-05-23
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STANDARD SEISMIC DETAILS	STD-6-1	12-08-23
TRI-STAR STATE EMBLEM FINISH DETAILS	STD-8-6	10-03-18
STANDARD REINFORCING BAR SUPPORT DETAILS FOR CONCRETE SLABS	STD-9-1	10-07-08
MISCELLANEOUS ABUTMENT AND DRAINAGE DETAILS	STD-10-1	06-05-23
MISCELLANEOUS ABUTMENT & PAVEMENT AT BRIDGE ENDS BACKFILL DETAILS	STD-10-2	06-05-23
STANDARD DETAILS AND INTERMEDIATE DIAPHRAGM DETAILS FOR BULB-TEE AND WIDE BULB-TEE BEAMS	STD-14-1	06-05-23

LIST OF SPECIAL PROVISIONS

	PROV. NO.	LAST REV. DATE
DRILLED SHAFT SPECIFICATIONS	625	09-01-21

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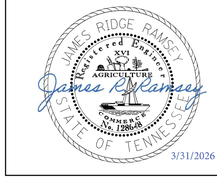

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INDEX OF DRAWINGS
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-611

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: B. ERVIN DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

3/19/2026 8:16:34 AM

CONST. NO.: 18008-3230-14

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REVISIONS

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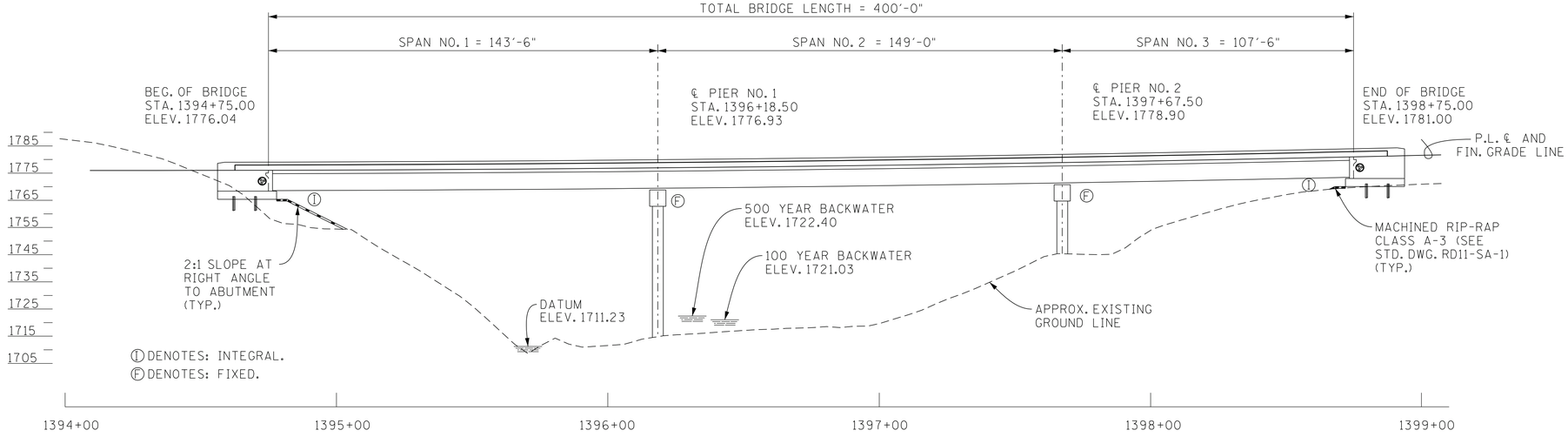
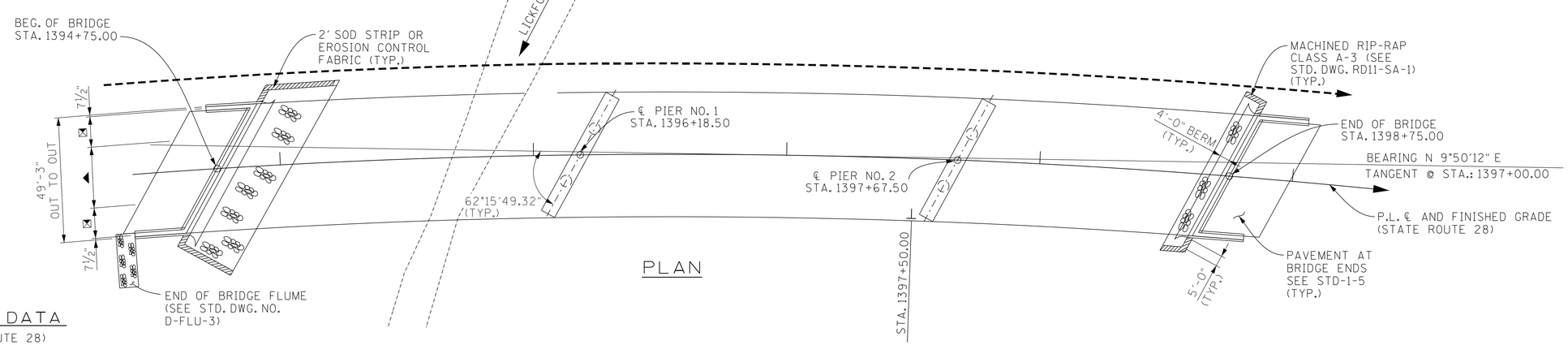


ELEVATION

HYDRAULIC DATA

DRAINAGE AREA = 1.55 MI.²
DESIGN DISCHARGE (100 YR.) = 992 CFS
WATER AREA PROVIDED BELOW ELEV. 1715.60 = 110.12 FT.²
100 YR. VELOCITY = 13.30 FPS
100 YR. BRIDGE BACKWATER = 0.59 FT. @ ELEV. 1721.03
ROADWAY OVERTOPPING ELEV. = 1776.02
500 YR. DISCHARGE 1400.00 CFS @ ELEV. 1722.40



PLAN

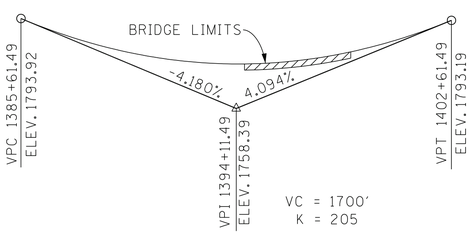
CURVE DATA

(STATE ROUTE 28)

PI	1396+89.44
N	646,450.8262
E	2,244,323.8504
Δs	46°30'22'' (RT)
θs	3°53'55"
Δc	38°42'32" RT
Dc	2°01'31"
Rc	2,829.00
Lc	1,911.26
Ts	1,409.02
Ls	385.00
SE	0.065 FT/FT

DESIGN SPEED 70 MPH
TRANS. LENGTH 385

⊥ DENOTES: PARAPET DRAIN. SEE STD. DWG. STD-1-2SS.
⊠ DENOTES: 12'-0" SHOULDER
▲ DENOTES: 2 - 12'-0" LANES = 24'-0"



FINISHED GRADE SKETCH
STATE ROUTE 28

SEALED BY

JAMES RIDGE RAMSEY
LICENSED PROFESSIONAL ENGINEER
XVI
AGRICULTURE
OWNER'S
CERTIFICATE
NO. 128648
STATE OF TENNESSEE
3/31/2026

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LAYOUT OF BRIDGE
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

CORRECT
ENGINEER OF STRUCTURES

U-95-612

PIN NO.: 100260.03

DESIGN BY:	RIDGE RAMSEY	DATE:	07-25
DRAWN BY:	B. ERVIN	DATE:	08-25
SUPERVISED BY:	S. STEELE/D. BERWARY	DATE:	07-25
CHECKED BY:	D. BERWARY	DATE:	02-26

8:21:38 AM
3/19/2026

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	- -		
	- -		
	- -		
	- -		

GENERAL NOTES

SPECIFICATIONS & LOADING

CONSTRUCTION SPECIFICATIONS: TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (APRIL 1, 2026 EDITION).

DESIGN SPECIFICATIONS: 9TH EDITION (2020) AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND THE 2ND EDITION (2011) AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN WITH INTERIMS.

LOADING:

A. HL-93 LIVE LOAD INCREASED BY 10% (MULTIPIED BY 1.1) IN ADDITION TO ALL LOAD FACTORS SPECIFIED BY AASHTO FOR ALL APPLICABLE LOAD COMBINATIONS
B. SEISMIC DESIGN CATEGORY A WITH A_S= 0.101, S_{DS}= 0.223, S_{D1}= 0.113, (1000 YEAR RETURN PERIOD)
C. DEAD LOAD INCLUDES 35 LB/SQ. FT. FOR FUTURE WEARING SURFACE.

CONCRETE, REINFORCING & FORMING

CONCRETE: TO BE CLASS A (CAST-IN-PLACE) F'C = 3000 PSI EXCEPT AS NOTED OTHERWISE.

BRIDGE DECKS: CLASS DS CONCRETE FOR BRIDGE DECKS SHALL BE IN ACCORDANCE WITH SECTION 604 OF THE STANDARD SPECIFICATIONS.

BRIDGE DECK SURFACE FINISH: TO BE IN ACCORDANCE WITH METHOD 3 IN ARTICLE 604.22 OF THE STANDARD SPECIFICATIONS.

BRIDGE DECK FORMS: BRIDGE DECK FORMS FOR CONCRETE DECKS SHALL BE CONSTRUCTED USING EITHER REMOVABLE FORMS OR PERMANENT FORMS. PERMANENT FORMS SHALL BE REMAIN-IN-PLACE STEEL. FORMS SHALL BE ATTACHED BY MEANS OTHER THAN WELDING TO MAIN STRUCTURAL MEMBERS OR REINFORCING STEEL. TEMPORARY ERECTION DIAPHRAGMS MUST BE USED AT THE ENDS OF PRECAST CONCRETE GIRDERS WHERE END DIAPHRAGMS, SUPPORT DIAPHRAGMS, OR ABUTMENT ENDWALLS ARE TO BE POURED CONCURRENTLY WITH THE DECK AND SHALL BE PROVIDED ELSEWHERE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS TO PREVENT GIRDER ROTATION. SEE STANDARD DRAWING STD-14-1 AND ARTICLE 604.05 OF THE STANDARD SPECIFICATIONS.

REINFORCING STEEL: SHALL BE ASTM A615 GRADE 60 UNLESS NOTED OTHERWISE. SEE SECTIONS 604 AND 907 OF THE STANDARD SPECIFICATIONS.

FOUNDATION ELEMENTS

ABUTMENTS ON FILL: THE FILLS AT THE ENDS OF THE BRIDGE SHALL BE IN PLACE AND THOROUGHLY COMPACTED BEFORE ANY ABUTMENT PILES ARE DRIVEN.

END-BEARING STEEL PILES: TO BE HP 12x53 DRIVEN TO REFUSAL ON ROCK OR A MINIMUM BEARING OF 225 TONS FOR THE ABUTMENTS. ALL PILES SHALL BE ASTM A709 GRADE 50 STEEL.

PILE TIPS: PILES SHALL BE EQUIPPED WITH CAST STEEL POINTS. ALSO, SEE STANDARD DRAWING STD-5-1 FOR ADDITIONAL NOTES.

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

DRILLED SHAFTS: SEE SPECIAL PROVISION 625 REGARDING DRILLED SHAFT SPECIFICATIONS.

PRECAST SUPERSTRUCTURES

SLAB OVERHANGS: IT IS RECOMMENDED THAT SPACING OF OVERHANG BRACKETS FOR BEAMS NOT EXCEED 2'-0" CENTER-TO-CENTER.

MISCELLANEOUS GENERAL NOTES

UTILITIES: IT IS INTENDED THAT THE COST OF MATERIALS AND LABOR NECESSARY FOR THE COMPLETE INSTALLATION OF UTILITIES SHALL BE BORNE BY OTHERS AND SHALL NOT BE PAID FOR AS A PART OF THIS CONTRACT. THE CONTRACTOR SHALL COOPERATE WITH OTHERS IN THE INSTALLATION OF UTILITIES WITH NO ADDITIONAL COMPENSATION ALLOWED THE CONTRACTOR AS A RESULT.

SHOP DRAWINGS: SEE SECTION 105.02 OF THE STANDARD SPECIFICATIONS.

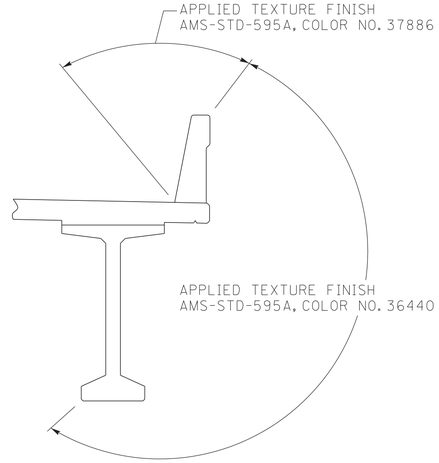
PARAPET SYSTEM: BUILD PARAPETS ACCORDING TO STANDARD DRAWING STD-1-1SS. THE PARAPETS SHALL BE FORMED AND CAST PLUMB, NOT PERPENDICULAR TO THE SLAB. THE DIMENSIONS AT THE TRAFFIC FACE SHALL BE KEPT CONSTANT, WITH VARIATION DUE TO CROSS-SLOPE ACCOMMODATED AT THE REAR FACE.

MACHINED RIP-RAP: MACHINED RIP-RAP FOR SLOPE PROTECTION SHALL BE 2" TO 6" IN SIZE UNIFORMLY GRADED AND MEET THE REQUIREMENTS OF SECTION 709 OF THE STANDARD SPECIFICATIONS AND SHALL BE MEASURED AND PAID FOR UNDER ROADWAY ITEM NO. 709-05.05.

VALUE ENGINEERING ALTERNATE BRIDGE DESIGN CRITERIA: ALTERNATE BRIDGE DESIGN PROPOSALS MAY NOT DIMINISH THE FUNCTIONAL OR STRUCTURAL EQUIVALENCY OF THE BRIDGE AND MUST MEET OR EXCEED THE CAPACITIES OF THE CONTRACT PLANS STRUCTURE AT ALL LIMIT STATES IN AASHTO TABLE 3.4.1-1. ADDITIONALLY, THE WATERWAY OPENING AND FLOOD CLEARANCES MAY NOT BE REDUCED.

FINISHING CONCRETE SURFACES: CONCRETE FINISHING SHALL BE IN ACCORDANCE WITH SECTION 604.21 OF THE STANDARD SPECIFICATIONS. A CLASS I FINISH FOLLOWED BY AN APPLIED TEXTURE FINISH SHALL BE USED IN LIEU OF A CLASS II FINISH. NO TEXTURE FINISH SHALL BE APPLIED PRIOR TO COMPLETION OF PAVING AND HAULING OPERATIONS AT THE BRIDGE SITE. THE APPLIED TEXTURE FINISH SHALL BE MEASURED AND PAID FOR UNDER ITEM NO. 604-04.01.

TEXTURE FINISH: IN ADDITION TO THE SURFACES SHOWN IN THE APPLIED TEXTURE FINISH SKETCH, ALL EXPOSED SURFACES OF THE WINGWALLS, ABUTMENT BEAMS, PIERS, AND EXTERIOR PORTIONS OF THE ENDWALLS SHALL RECEIVE AN APPLIED TEXTURE FINISH. (GRAY, AMS-STD-595A, COLOR NO. 36440).



APPLIED TEXTURE FINISH SKETCH

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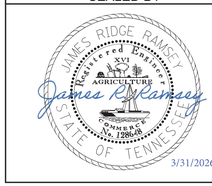

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-613

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: T. WISEMAN DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

9:02:50 AM
3/31/2026

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
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BRIDGE NO. 2 QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	TOTAL	SUPERSTRUCTURE	ABUT. NO. 1	PIER NO. 1	PIER NO. 2	ABUT. NO. 2
(2)	204-02.01	DRY EXCAVATION (BRIDGES)	C.Y.	322		161			161
	204-04.01	ROCK EXCAVATION (BRIDGES)	C.Y.	25					25
(10)	204-05.01	CORE DRILLING AND SAMPLING	L.F.	201			105	96	
	204-14	CORE DRILLING FOR PILES (ROCK)	L.F.	245		135			110
(8)	303-01.02	GRANULAR BACKFILL (BRIDGES)	TON	60		30			30
	604-02.03	EPOXY COATED REINFORCING STEEL	LB.	203,788	197,452	3,186			3,150
(7)	604-03.01	CLASS "A" CONCRETE (BRIDGES)	C.Y.	478		83	195	120	80
	604-03.02	STEEL BAR EINFORCEMENT (BRIDGES)	LB.	89,661	3,288	8,679	42,638	26,637	8,419
(1)	604-03.04	PAVEMENT AT BRIDGE ENDS	S.Y.	248		124			124
	604-03.32	CLASS DS CONCRETE	C.Y.	620					
	604-04.01	APPLIED TEXTURE FINISH (NEW STRUCTURES)	S.Y.	2,480	1,705	45	425	260	45
	604-04.41	THREE STAR STATE EMBLEM	EA.	4		2			2
	604-05.31	BRIDGE DECK GROOVING (MECHANICAL)	S.Y.	2,232					
	606-03.03	STEEL PILES (12 INCH)	L.F.	266		145			121
(4) (5)	615-01.12	PRESTRESSED CONCRETE BULB TEE BEAM (6" WEB) (BT-72)	L.F.	2,354					
	620-05.01	CONCRETE PARAPET SINGLE SLOPE (STD-1-1SS)	L.F.	875					
(12)	625-01.10	CAMERA INSPECTION - DRILLED SHAFT (DRY)	EA.	3				3	
(12)	625-01.11	CAMERA INSPECTION - DRILLED SHAFT (UNDER WATER)	EA.	3			3		
(9)	625-02.01	DRILLED SHAFT - SOIL (6'-0" DIAMETER)	V.F.	20			17	3	
(9)	625-02.13	DRILLED SHAFT - ROCK (5'-6" DIAMETER)	V.F.	60			30	30	
(9)	625-02.14	DRILLED SHAFT - ROCK (6'-0" DIAMETER)	V.F.	75			36	39	
(13)	625-02.25	DRILLED SHAFT CASING - PERMANENT (6'-0" INSIDE DIAMETER)	V.F.	105			63	42	
(14)	625-02.40	DRILLED SHAFT (SH-SCC) CONCRETE	C.Y.	162			92	70	
	625-02.44	DRILLED SHAFT REINFORCING STEEL	LB.	42,355			23,529	18,826	
(6)	710-09.01	6" PERFORATED PIPE WITH VERTICAL DRAIN SYSTEM	L.F.	168		84			84
	710-09.02	6" PIPE UNDERDRAIN	L.F.	84		41			43

ESTIMATED ELEVATIONS

	EXISTING GROUND	TOP OF DRILLED SHAFT	TOP OF WEATHERED ROCK	TOP OF SOUND ROCK	TOP OF ROCK SOCKET	BOTTOM OF ROCK SOCKET	BOTTOM OF CORE	DISTANCE FROM GROUND TO BOTTOM OF CORE
PIER NO. 1	1709.00	1713.00	1703.50	1698.50	1692.00	1682.00	1674.00	35.00
PIER NO. 2	1743.50	1744.00	1742.50	1731.50	1730.00	1720.00	1712.00	32.00

FOOTNOTES

(1) **NOTE:** PRIOR TO CONSTRUCTION OF THE PAVEMENT AT BRIDGE ENDS, THE CONTRACTOR SHALL SUBMIT A PROPOSED BILL OF STEEL TO THE ENGINEER FOR APPROVAL.

(2) **NOTE:** EXCAVATION BASED ON FINAL PROFILE AT ABUTMENTS.

(3) **NOTE:** THE COST OF BITUMINOUS-FIBERBOARD AND ALL MISCELLANEOUS JOINT MATERIAL TO BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS.

(4) **NOTE:** COST OF ELASTOMERIC PADS AND RUBBER BONDING CEMENT TO BE INCLUDED IN THE UNIT PRICE BID FOR THE PRESTRESSED BEAM.

(5) **NOTE:** INTERMEDIATE DIAPHRAGMS SHALL BE PAID FOR IN ACCORDANCE WITH STANDARD DRAWING STD-14-1.

(6) **NOTE:** COST OF POLYETHYLENE SHEETING AND ALL MISCELLANEOUS ITEMS NECESSARY FOR INSTALLATION TO BE INCLUDED IN THE UNIT PRICE BID FOR PERFORATED PIPE.

(7) **NOTE:** THE COST OF ALL MATERIALS AND LABOR NECESSARY FOR THE INSTALLATION OF 36 ANCHOR BOLT ASSEMBLIES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLASS A CONCRETE (BRIDGES), ITEM NO. 604-03.01.

(8) **NOTE:** GRANULAR BACKFILL SHALL BE TYPE "A" GRADING "D" MATERIAL. SEE STANDARD DRAWING STD-10-1.

(9) **NOTE:** THE COST OF THE FOLLOWING ITEMS IS TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM NOS. 625-02.01, 625-02.13, AND 625-02.14:
1. DRILLING THE SHAFT
2. CLEANING AND INSPECTING THE SHAFT
3. INSTALLATION OF ALL CASING AND/OR SLURRY, IF USED. NO PAYMENT WILL BE MADE FOR TEMPORARY CASING WHICH CANNOT BE REMOVED.
4. INSTALLATION OF 1.5" DIAMETER PIPES IN SHAFTS FOR CSL TESTING. 6 CSL TUBES ARE REQUIRED PER SHAFT AT PIER NOS. 1 AND 2.

(10) **NOTE:** SEE ARTICLE 625.31 OF THE SPECIAL PROVISION. THE INTENT IS FOR THE CORE DRILLING AND SAMPLING TO BE PERFORMED PRIOR TO SHAFT DRILLING. SUBJECT TO THE APPROVAL FROM THE GEOTECHNICAL ENGINEER, THESE CORES ARE TO BE USED TO PRE-DETERMINE ACCEPTABLE SHAFT TIP ELEVATIONS. CORES SHALL EXTEND 8 FT BELOW ESTIMATED TIP ELEVATIONS SHOWN ON THE PLANS. 1 CORE IS REQUIRED PER SHAFT.

(11) **NOTE:** CSL TESTING WITH THE ADDITION OF 3D TOMOGRAPHY SHALL BE PERFORMED ON ALL SHAFTS. THE CSL TESTING FIRM MUST BE PRESENT FOR ALL SHAFT POURS.

(12) **NOTE:** THE INTENT IS TO VERIFY THAT THE SHAFT TIP AND SIDE WALLS OF THE SOCKET ARE CLEAN AND INTACT.

(13) **NOTE:** THE CONTRACTOR SHALL USE PERMANENT CASING. THE STRUCTURAL CAPACITY OF THE CASING IS NOT INCORPORATED INTO THE DESIGN.

(14) **NOTE:** DRILLED SHAFT CONCRETE SHALL BE CLASS SH-SCC.

SEALED BY



PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: T. WISEMAN DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

3/31/2026 9:24:58 AM

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED QUANTITIES
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-614

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

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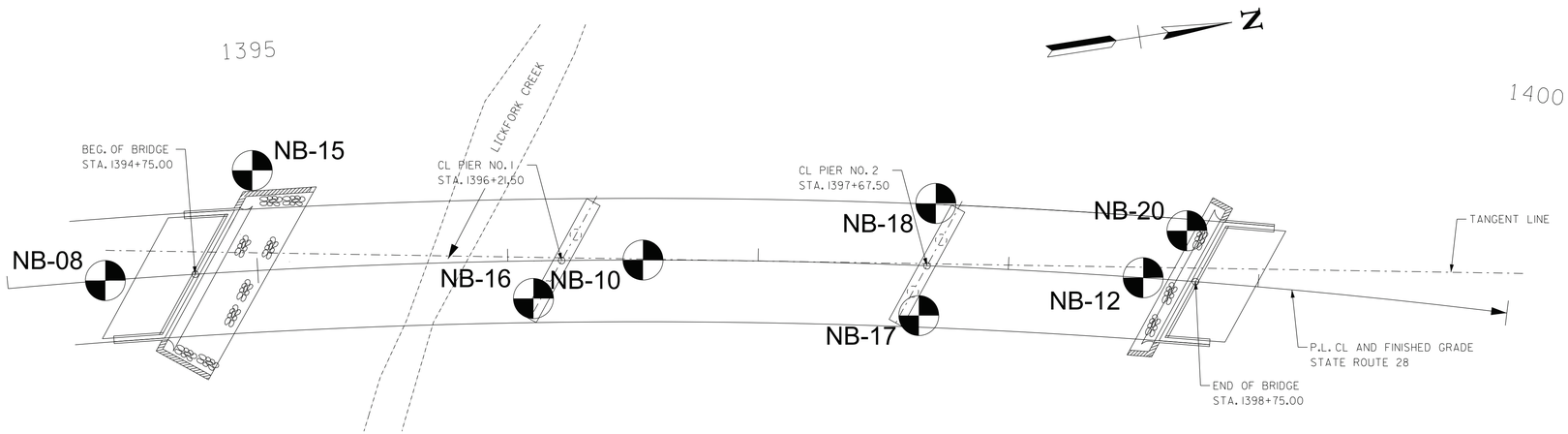
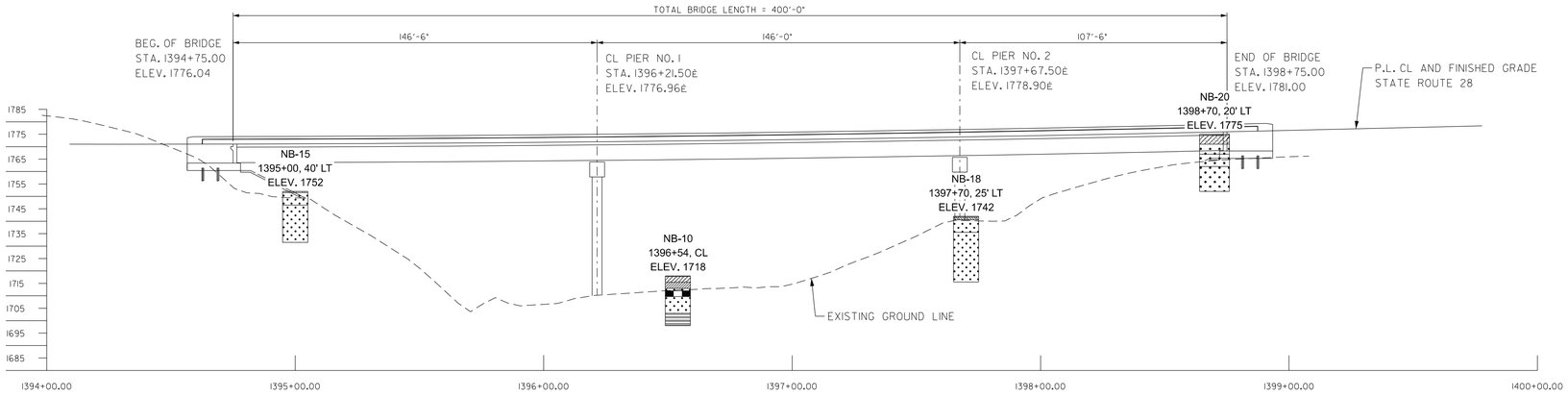
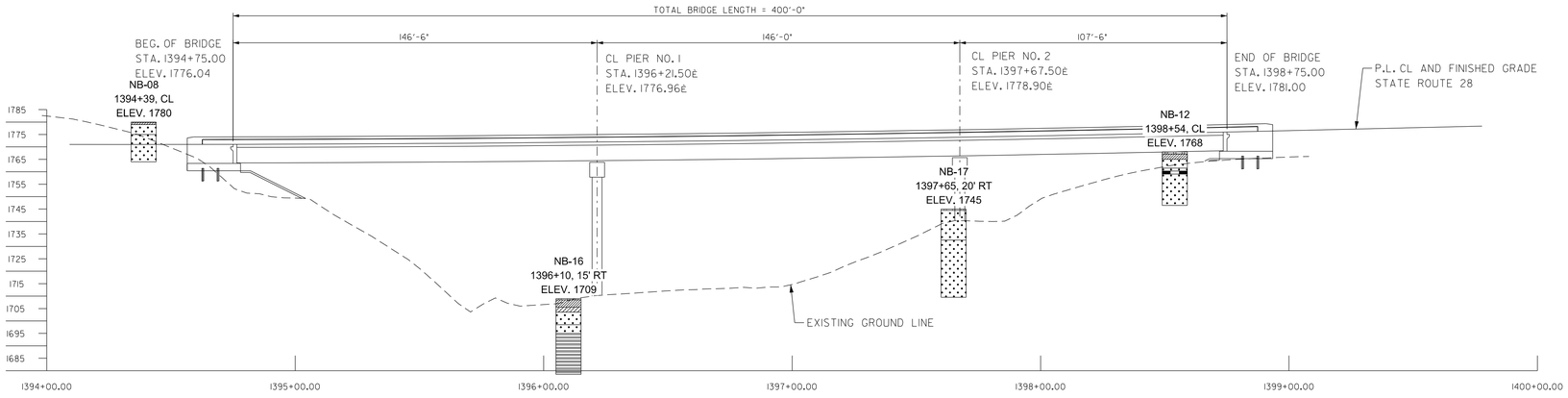


PLAN VIEW
SCALE: 1" = 60'-0"



ELEVATION VIEW LEFT
SCALE: 1" = 60'-0"



ELEVATION VIEW RIGHT
SCALE: 1" = 60'-0"

B-38 ● SOIL BORING LOCATION AND IDENTIFIER

BORING LEGEND

BORING NO.
STA, OFFSET
ELEV

MATERIAL SYMBOL

BORING LOCATIONS

BORING NO.	STATION	OFFSET	ELEV.	DEPTH	REFUSAL
NB-08	1394+39	CL	1780 ft.	16 ft.	1.0 ft.
NB-10	1396+54	CL	1718 ft.	20 ft.	5.0 ft.
NB-12	1398+54	CL	1768 ft.	21.5 ft.	6.5 ft.
NB-15	1395+00	40' LT	1752 ft.	20.5 ft.	0.5 ft.
NB-16	1396+10	15' RT	1709 ft.	30.5 ft.	5.5 ft.
NB-17	1397+65	20' RT	1745 ft.	35.5 ft.	0.5 ft.
NB-18	1397+70	25' LT	1742 ft.	26.5 ft.	1.5 ft.
NB-20	1398+70	20' LT	1775 ft.	23 ft.	8.0 ft.

MATERIAL LEGEND

- TOPSOIL
- LEAN CLAY
- SHALE
- CLAYEY SAND
- SANDSTONE
- OVERBURDEN
- OPEN VOID

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: J. STEVENS DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

FOUNDATION DATA
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-615

3/19/2026 11:22:05 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

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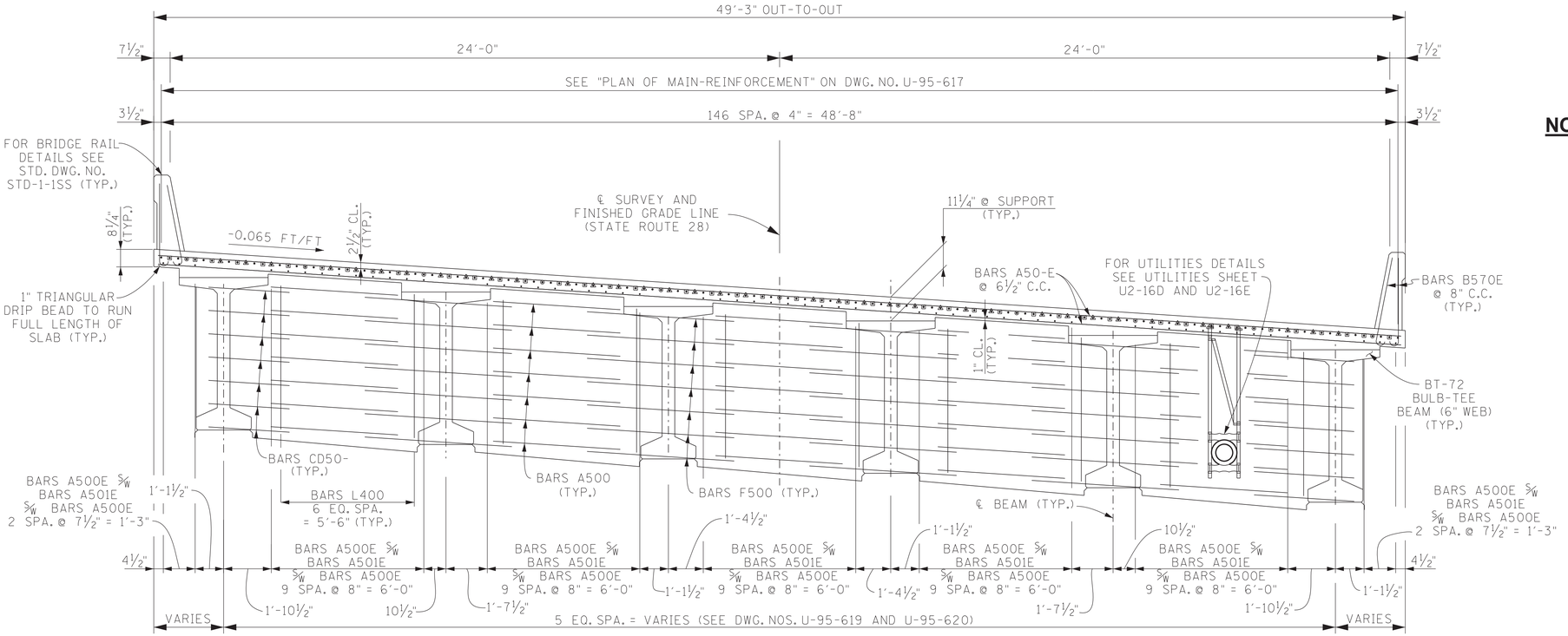


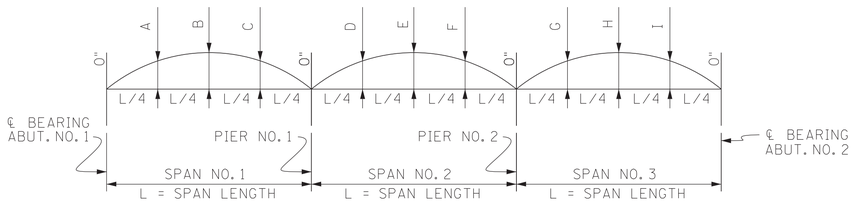
* DENOTES: CUT-OFF BARS A901E (PIER NO. 1 ONLY)

■ DENOTES: CUT-OFF BARS A703E ⅝W A900E ⅝W A702E (PIER NO. 1 ONLY)
OR CUT-OFF BARS A900E ⅝W A702E (PIER NO. 2 ONLY)

▲ DENOTES: CUT-OFF BARS A701E ⅝W A900E ⅝W A701E (PIER NO. 1 ONLY)
OR CUT-OFF BARS A902E ⅝W A701E (PIER NO. 2 ONLY)

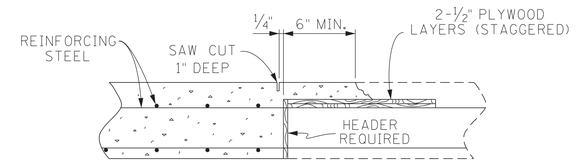
TYPICAL CROSS-SECTION

(SHOWN AT SUPPORT AT PIER NO. 1)

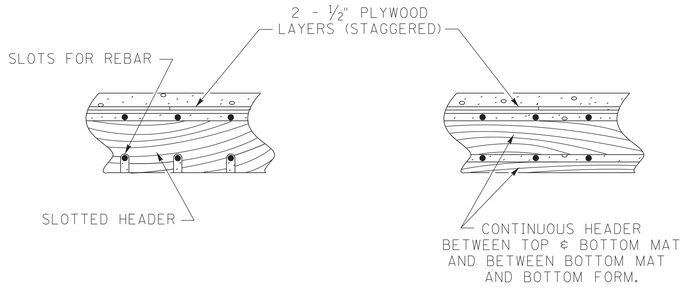


DEAD LOAD CORRECTION CURVE

	TABLE OF DEAD LOAD CORRECTIONS								
	A	B	C	D	E	F	G	H	I
EXTERIOR (LT.)	1 7/8"	2 11/16"	1 7/8"	2 3/16"	3 1/8"	2 3/16"	½"	¾"	½"
INTERIOR (TYP.)	1 15/16"	2 ¾"	1 15/16"	2 3/8"	3 7/16"	2 3/8"	⅝"	⅞"	⅝"
EXTERIOR (RT.)	1 13/16"	2 9/16"	1 13/16"	2"	2 7/8"	2"	½"	1 1/16"	½"



SLAB CONSTRUCTION JOINT DETAIL



ALTERNATE HEADER DETAILS

NOTES

DECK CONCRETE POURING SEQUENCE: SLAB CONSTRUCTION JOINTS MAY BE LOCATED AT THE CONTRACTOR'S OPTION SUBJECT TO THE FOLLOWING:

1. NO CONSTRUCTION JOINT SHALL BE LOCATED CLOSER THAN 10 FEET OR FURTHER THAN 15 FEET FROM AN INTERIOR SUPPORT.
2. THE SLAB IN THE MIDDLE SECTION OF BOTH ADJACENT SPANS MUST BE POURED TO WITHIN AT LEAST 15 FEET OF THE SUPPORTS EITHER PRIOR TO OR CONCURRENTLY WITH THE SLAB OVER AN INTERIOR SUPPORT.
3. ALL SLAB CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH THE SLAB CONSTRUCTION JOINT DETAILS SHOWN ON THIS SHEET.

NOTE: NO PORTION OF THE PARAPETS SHALL BE POURED UNTIL THE ENTIRE DECK SLAB IS IN PLACE.

NOTE: OUTSIDE EDGE OF SLAB AND PARAPET TO CONFORM TO HORIZONTAL CURVE.

ANCHOR BOLTS AT PIERS: ANCHOR BOLT ASSEMBLIES AT PIERS SHALL BE IN ACCORDANCE WITH STANDARD DRAWING STD-6-1.

DEAD LOAD CORRECTION CURVE: THIS CURVE IS FOR DEAD LOAD SLAB AND ALL DEAD LOADS THAT ARE APPLIED AFTER SLAB IS IN PLACE AND SHALL BE CORRECTED TO COMPENSATE FOR THE EFFECTS DUE TO VERTICAL CURVE.

NOTE: WHEN POURING SLAB, PROVISIONS SHALL BE MADE FOR SETTING REINFORCING STEEL FOR PARAPET. THE PARAPET SHALL NOT BE POURED UNTIL THE SLAB IS POURED AND CURED. ALSO SEE STD. DWG. NO. 1-1SS.

NOTE: ALL STRANDS TO BE DETENSIONED SHALL BE DETENSIONED IN THE SEQUENCE SHOWN ON THE SHOP DRAWINGS. ANY DAMAGE THAT OCCURS TO THE BEAMS DUE TO A DEVIATION FROM THE CUTTING PROCEDURE AS STATED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND REPAIRED AT HIS OWN EXPENSE TO THE COMPLETE SATISFACTION OF THE ENGINEER.

NOTE: THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SUPPORTING THE BEAMS TO PREVENT DAMAGE DUE TO TWISTING OR OVERTURNING DURING ALL PHASES OF CONSTRUCTION. WHILE IT IS STRONGLY RECOMMENDED THAT BOTH THE TEMPORARY ERECTION DIAPHRAGMS AND THE PERMANENT INTERMEDIATE DIAPHRAGMS BE INSTALLED PRIOR TO PLACING ANY LOADS ON THE BEAMS, IT IS REQUIRED THAT ALL TEMPORARY ERECTION DIAPHRAGMS AND ALL PERMANENT INTERMEDIATE DIAPHRAGMS IN A SPAN BE FULLY INSTALLED PRIOR TO POURING ANY PORTION OF THE SLAB IN THAT SPAN.

NOTE: THE SUPPORT DIAPHRAGMS AT THE BENTS SHALL BE FORMED AND THE BOTTOM 15 INCHES POURED AS SOON AS POSSIBLE AFTER THE BEAMS HAVE BEEN SET. THE REMAINDER OF THE DIAPHRAGMS SHALL BE POURED CONCURRENTLY WITH THE DECK SLAB. THE BEAMS SHALL ATTAIN AN AGE OF AT LEAST 90 DAYS PRIOR TO POURING THE REMAINDER OF THE SUPPORT DIAPHRAGMS AND DECK SLAB. ALL DIAPHRAGM CONCRETE SHALL BE INCLUDED IN THE QUANTITY FOR CLASS D CONCRETE.

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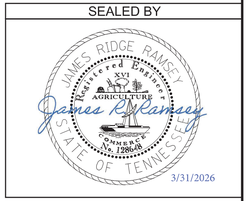

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: C. STAPLER DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-616

3/19/2026 8:30:41 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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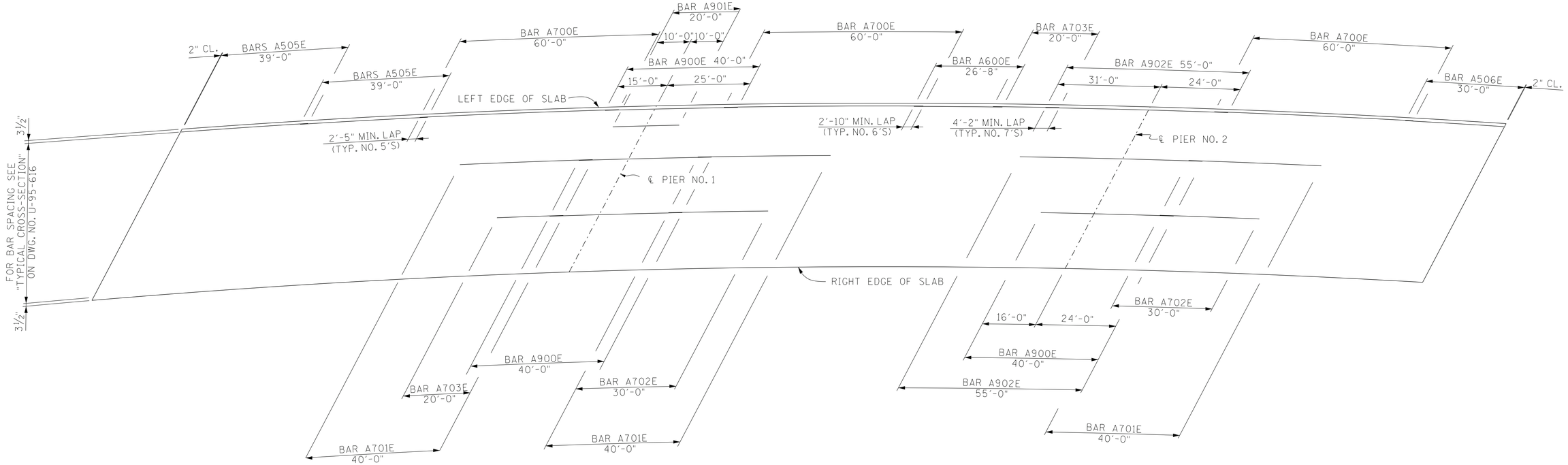


PLAN OF MAIN REINFORCEMENT

(FOR BAR LOCATIONS SEE TYPICAL CROSS-SECTION
ON DWG. NO. U-95-616) (BARS OMITTED FOR CLARITY)

SEALED BY



BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-617

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: C. STAPLER DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

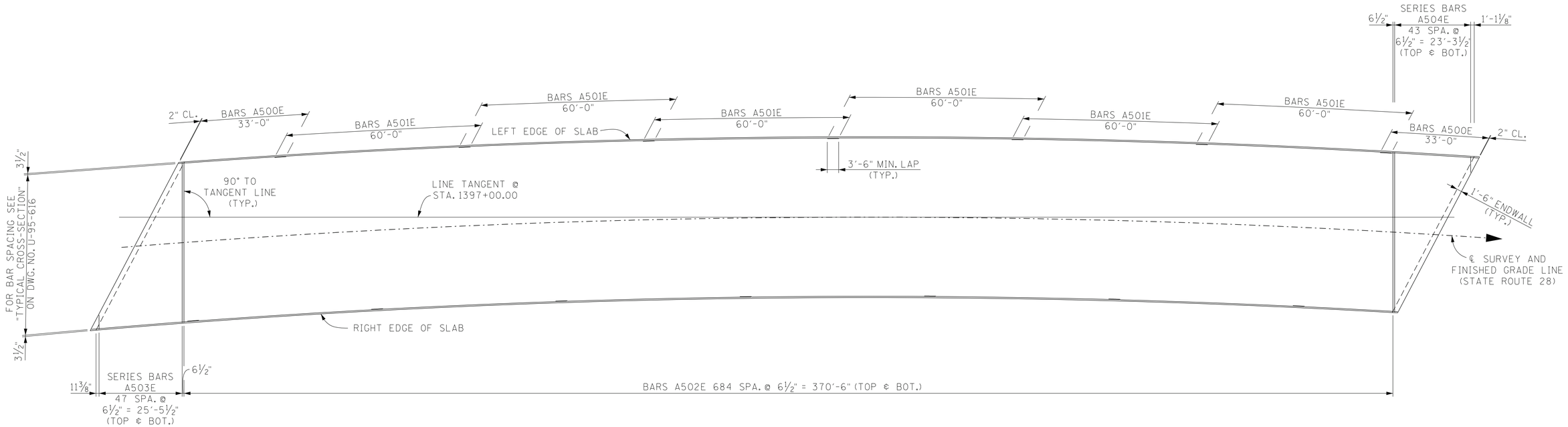
3/19/2026 8:44:25 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		



SLAB PLAN

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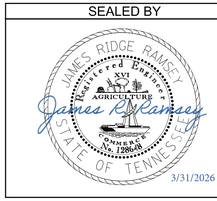

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-618

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: C. STAPLER DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

3/19/2026 8:47:52 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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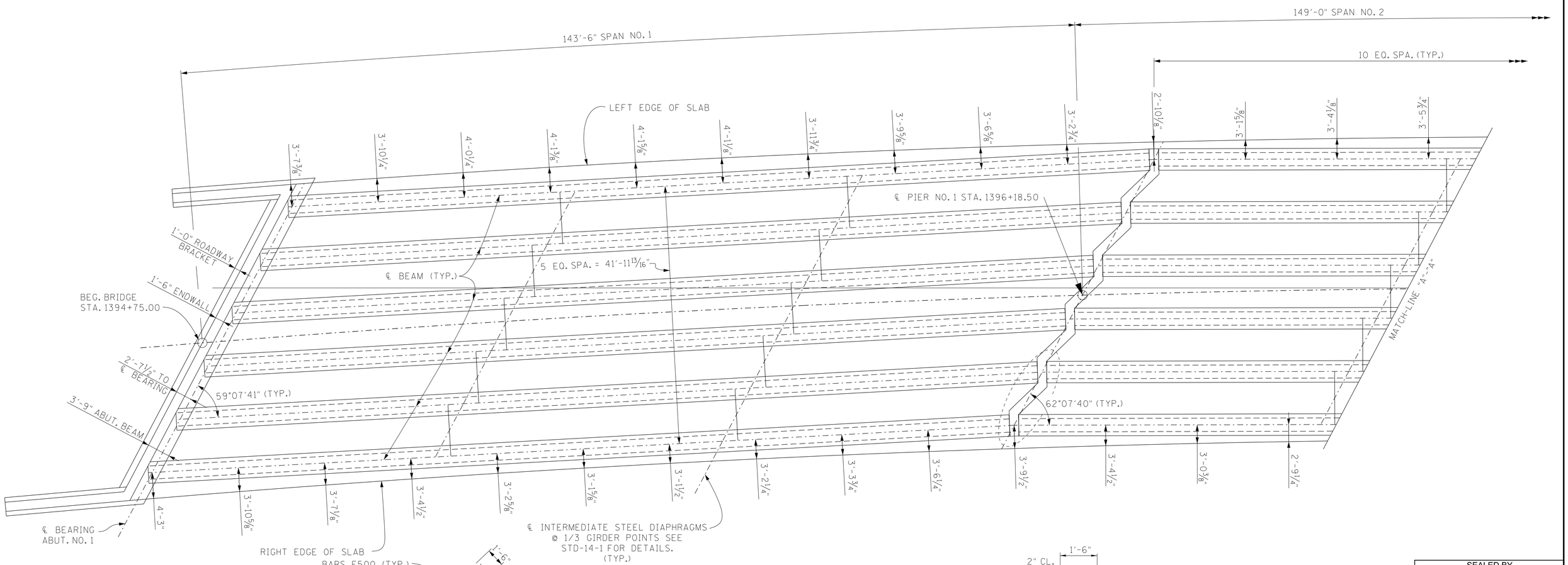
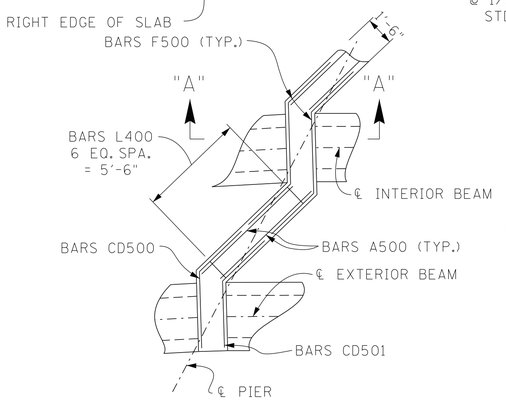
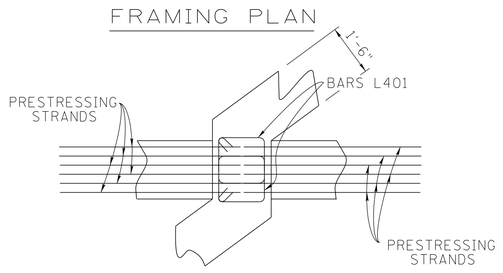
	- -		
	- -		





PARTIAL PLAN OF DIAPHRAGM



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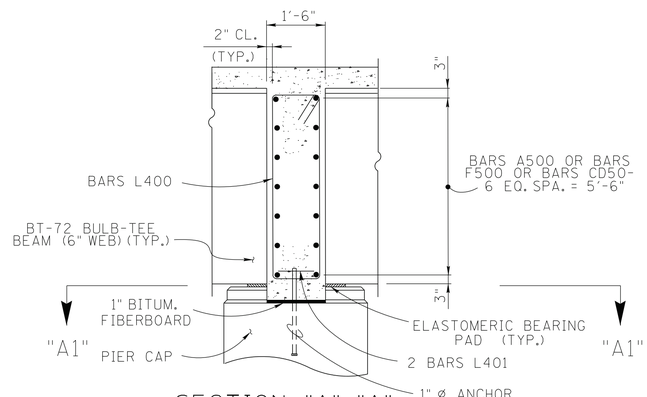

SECTION "A"-"A"

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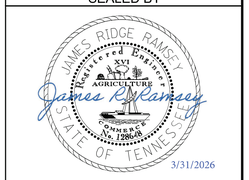


BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-619

PIN NO.: 100260.03

DESIGN BY:	RIDGE RAMSEY	DATE:	07-25
DRAWN BY:	C. STAPLER	DATE:	08-25
SUPERVISED BY:	S. STEELE/D. BERWARY	DATE:	07-25
CHECKED BY:	D. BERWARY	DATE:	02-26

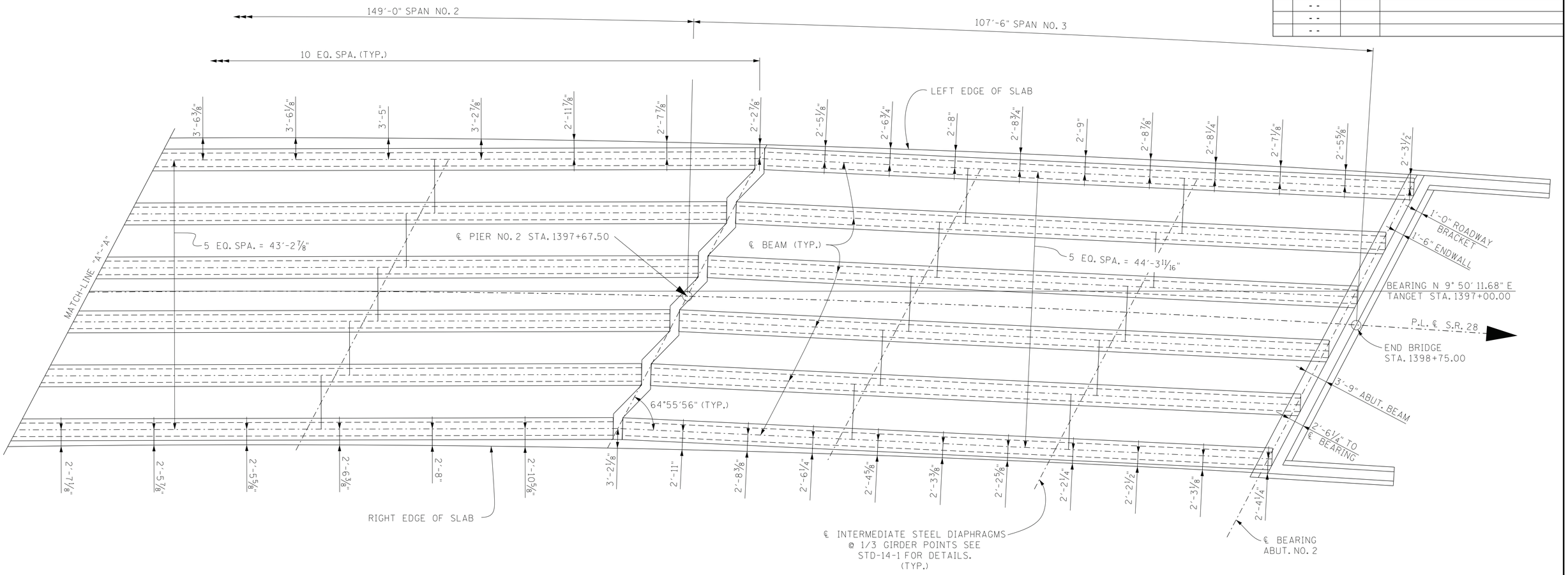
3/19/2026 8:52:14 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

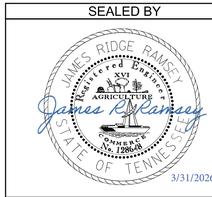
REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		



FRAMING PLAN

SEALED BY



BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-620

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: C. STAPLER DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

3/19/2026 8:53:45 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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	- -		
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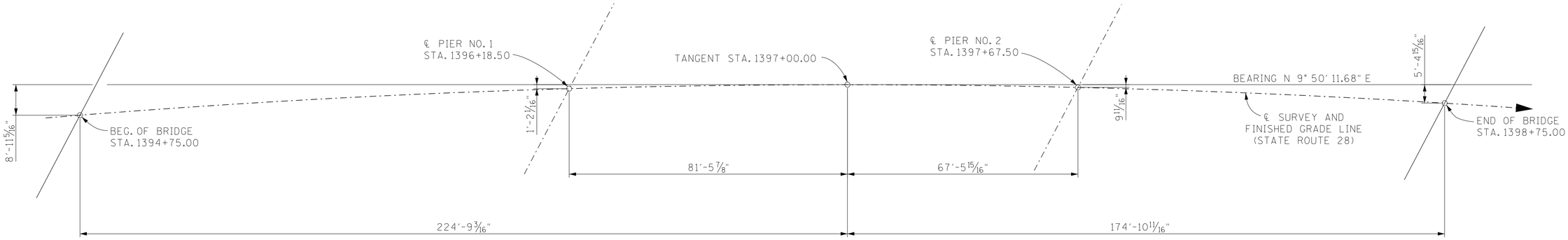
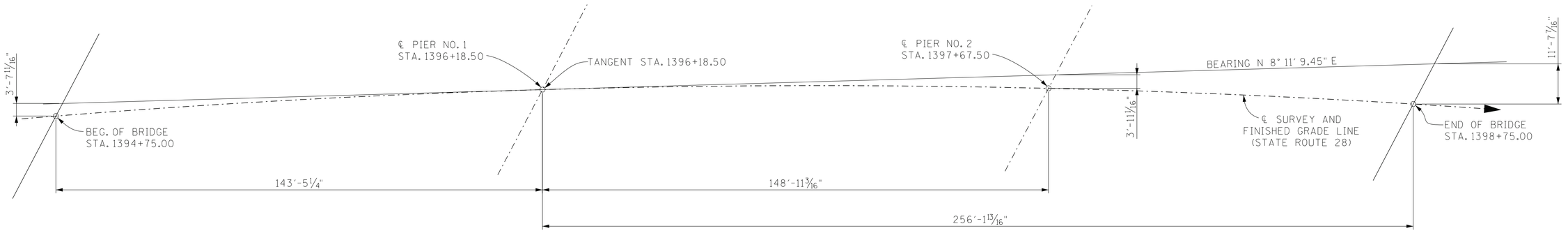


STAKE-OUT PLAN



ALTERNATE STAKE-OUT PLAN

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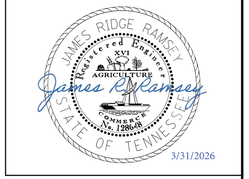

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-621

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: C. STAPLER DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

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CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
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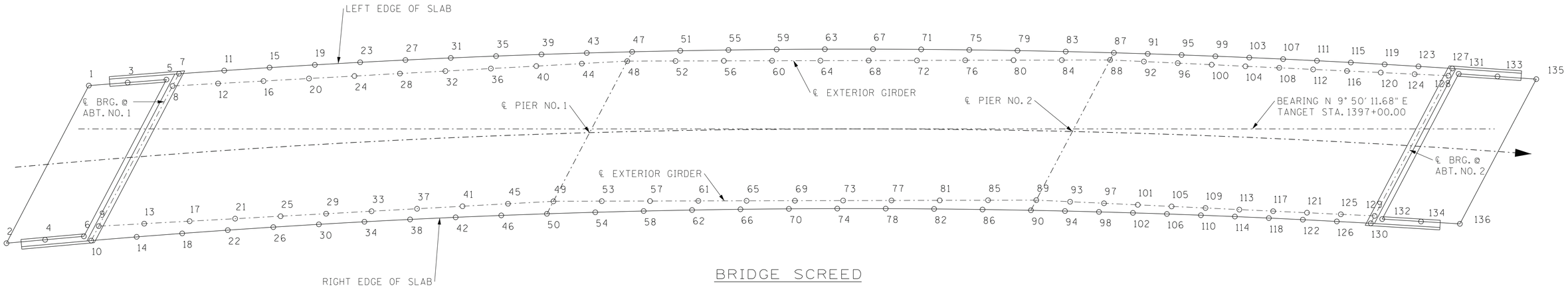

BRIDGE SCREED

BRIDGE SCREED TABLE

PT.	STATION	ELEVATION	PT.	STATION	ELEVATION	PT.	STATION	ELEVATION	PT.	STATION	ELEVATION	PT.	STATION	ELEVATION	PT.	STATION	ELEVATION	PT.	STATION	ELEVATION
1	1394+65.66	1777.53	21	1395+07.56	1774.77	41	1395+78.35	1775.19	61	1396+51.68	1775.85	81	1397+26.76	1776.83	101	1397+88.37	1777.83	121	1398+41.04	1778.82
2	1394+36.04	1774.47	22	1395+05.01	1774.54	42	1395+76.07	1774.96	62	1396+49.69	1775.65	82	1397+25.04	1776.63	102	1397+86.93	1777.64	122	1398+39.86	1778.65
3	1394+77.57	1777.55	23	1395+48.95	1777.97	43	1396+18.35	1778.53	63	1396+91.17	1779.36	83	1397+64.85	1780.46	103	1398+21.04	1781.48	123	1398+72.85	1782.55
4	1394+48.14	1774.49	24	1395+46.99	1777.69	44	1396+16.72	1778.30	64	1396+89.80	1779.11	84	1397+63.72	1780.27	104	1398+19.98	1781.28	124	1398+71.83	1782.37
5	1394+89.47	1777.59	25	1395+21.72	1774.83	45	1395+92.51	1775.32	65	1396+66.70	1776.02	85	1397+41.77	1777.07	105	1397+98.90	1778.01	125	1398+51.58	1779.04
6	1394+60.24	1774.51	26	1395+19.22	1774.61	46	1395+90.28	1775.07	66	1396+64.76	1775.82	86	1397+40.10	1776.86	106	1397+97.52	1777.83	126	1398+50.45	1778.87
7	1394+93.43	1777.70	27	1395+62.83	1778.07	47	1396+32.23	1778.66	67	1397+05.91	1779.56	87	1397+79.59	1780.71	107	1398+31.40	1781.68	127	1398+83.22	1782.79
8	1394+91.19	1777.46	28	1395+60.94	1777.79	48	1396+30.66	1778.46	68	1397+04.59	1779.31	88	1397+78.50	1780.55	108	1398+30.35	1781.48	128	1398+82.20	1782.61
9	1394+65.11	1774.69	29	1395+35.88	1774.90	49	1396+06.66	1775.46	69	1396+81.71	1776.19	89	1397+56.78	1777.33	109	1398+09.44	1778.20	129	1398+62.11	1779.27
10	1394+62.38	1774.41	30	1395+33.43	1774.68	50	1396+04.49	1775.20	70	1396+79.83	1776.01	90	1397+55.17	1777.10	110	1398+08.10	1778.03	130	1398+61.03	1779.10
11	1395+07.31	1777.76	31	1395+76.71	1778.17	51	1396+46.97	1778.82	71	1397+20.65	1779.77	91	1397+89.95	1780.90	111	1398+41.77	1781.89	131	1398+85.29	1782.73
12	1395+05.14	1777.50	32	1395+74.88	1777.89	52	1396+45.44	1778.60	72	1397+19.37	1779.53	92	1397+88.87	1780.72	112	1398+40.72	1781.69	132	1398+64.51	1779.27
13	1394+79.26	1774.71	33	1395+50.04	1774.98	53	1396+21.67	1775.58	73	1396+96.73	1776.39	93	1397+67.31	1777.49	113	1398+19.97	1778.40	133	1398+97.20	1783.01
14	1394+76.59	1774.45	34	1395+47.64	1774.76	54	1396+19.56	1775.34	74	1396+94.90	1776.20	94	1397+65.76	1777.27	114	1398+18.69	1778.23	134	1398+76.61	1779.53
15	1395+21.19	1777.82	35	1395+90.59	1778.28	55	1396+61.70	1778.99	75	1397+35.38	1779.99	95	1398+00.32	1781.09	115	1398+52.13	1782.11	135	1399+09.10	1783.29
16	1395+19.09	1777.55	36	1395+88.83	1778.02	56	1396+60.23	1778.75	76	1397+34.16	1779.76	96	1397+99.24	1780.90	116	1398+51.09	1781.91	136	1398+88.71	1779.81
17	1394+93.41	1774.73	37	1395+64.20	1775.08	57	1396+36.67	1775.71	77	1397+11.74	1776.60	97	1397+77.84	1777.66	117	1398+30.51	1778.61			
18	1394+90.80	1774.49	38	1395+61.86	1774.86	58	1396+34.63	1775.49	78	1397+09.97	1776.41	98	1397+76.34	1777.45	118	1398+29.27	1778.44			
19	1395+35.07	1777.89	39	1396+04.47	1778.40	59	1396+76.44	1779.17	79	1397+50.12	1780.22	99	1398+10.68	1781.28	119	1398+62.49	1782.33			
20	1395+33.04	1777.61	40	1396+02.78	1778.15	60	1396+75.01	1778.92	80	1397+48.94	1780.01	100	1398+09.61	1781.09	120	1398+61.46	1782.14			

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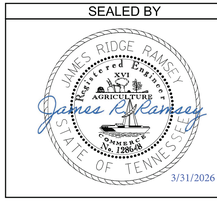

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BRIDGE SCREED
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-622

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: C. STAPLER DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

3/19/2026 9:28:13 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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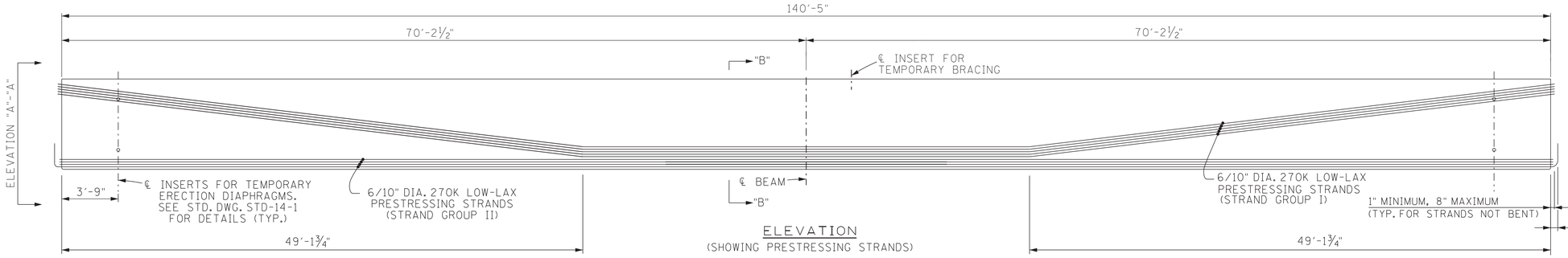
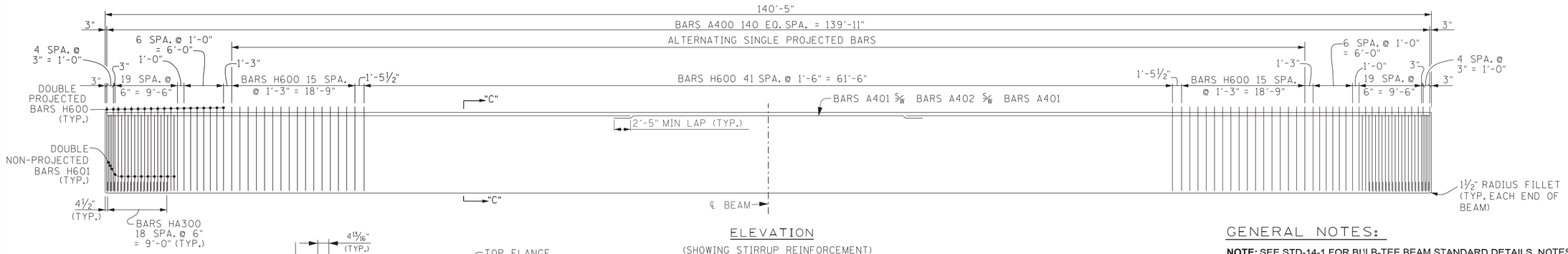


ELEVATION
(SHOWING PRESTRESSING STRANDS)

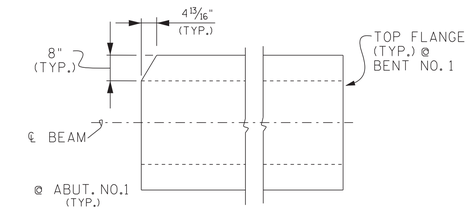


ELEVATION
(SHOWING STIRRUP REINFORCEMENT)

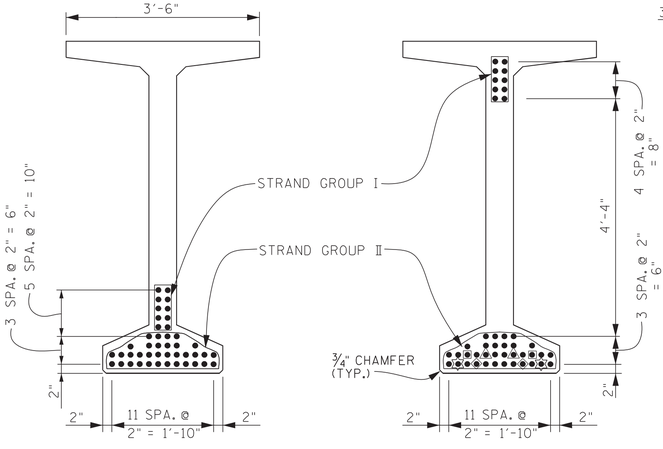
BILL OF STEEL

(BEAM SPAN NO. 1)

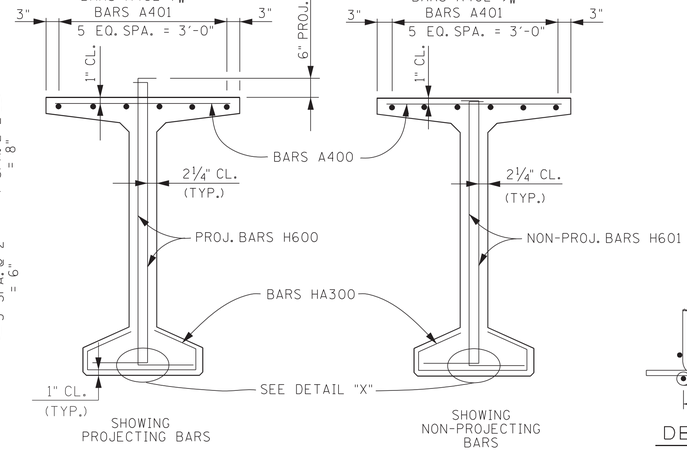
BAR	SIZE	NO. REQ'D	LENGTH
A400	4	141	3'-2"
A401	4	12	60'-0"
A402	4	6	24'-11"
A500	5	8	5'-6"
H600	6	150	7'-8"
H601	6	52	7'-1"
HA300	3	38	4'-7"



CLIP DETAIL



SECTION "B"-"B"
(SHOWING PRESTRESSED STRANDS AT MIDSPAN)
(44 STRANDS)

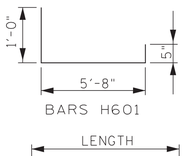


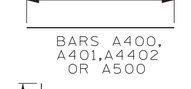
ELEVATION "A"-"A"
(SHOWING PRESTRESSED STRANDS AT ENDS)
(44 STRANDS)

SHOWING PROJECTING BARS

SHOWING NON-PROJECTING BARS

SECTION "C"-"C"





DETAIL "X"

GENERAL NOTES:

NOTE: SEE STD-14-1 FOR BULB-TEE BEAM STANDARD DETAILS, NOTES, AND REINFORCING.

NOTE: ALL BEAMS ARE BT-72.

NOTE: THE PRESTRESSED BEAMS SHALL ATTAIN AN AGE OF AT LEAST 90 DAYS PRIOR TO POURING THE SUPPORT DIAPHRAGMS (EXCLUDING BOTTOM 15") AND DECK SLAB.

NOTE: THE CONCRETE FOR THIS CONSTRUCTION SHALL BE OF SUCH PROPERTIES AS TO ATTAIN A COMPRESSIVE STRENGTH OF NOT LESS THAN 10,000 PSI AT THE AGE OF 28 DAYS AND STRESS TRANSFER SHALL NOT BE MADE TO THE BRIDGE MEMBER UNTIL THE TEST SPECIMENS INDICATE THAT THE CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF AT LEAST 8,500 PSI. SEE GENERAL NOTES FOR CONCRETE FINISHING NOTE.

PRESTRESSING STRANDS: ALL STRANDS SHALL BE 6/10" DIAMETER, UNCOATED 7- WIRE STRANDS, ASTM A416 GRADE 270, LOW-LAX, A = 0.217 SQ. IN. PULLED TO 43,943 LBS. PER STRAND UNLESS OTHERWISE NOTED.

PRESTRESSED BEAM DESIGN DATA (PER BEAM):

LIVE LOAD DISTRIBUTION FACTOR: MOMENT = 0.91 LANES
SHEAR = 1.00 LANES

COMPOSITE DEAD LOAD: DC = 127 LB/FT
DW = 274 LB/FT

COMPOSITE SLAB DESIGN STRENGTH: F 'C = 4000 PSI

ALL BEAMS SHALL HAVE UPWARD DEFLECTION OF AT LEAST 1/8" UNDER TOTAL DEAD LOAD.

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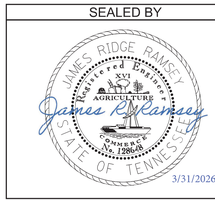

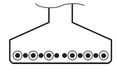

BENT STRANDS DETAIL

⊙ DENOTES: STRANDS TO BE BENT

NOTE: ALL STRANDS TO BE DETENSIONED SHALL BE DETENSIONED IN THE SEQUENCE SHOWN ON THE SHOP DRAWINGS. ANY DAMAGE THAT OCCURS TO THE BEAMS DUE TO A DEVIATION FROM THE CUTTING PROCEDURE AS STATED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND REPAIRED AT HIS OWN EXPENSE TO THE COMPLETE SATISFACTION OF THE ENGINEER.

ESTIMATED QUANTITIES-PER BEAM			
NO. BEAMS REQ'D.	PRESTRESSING STRANDS (LOW RELAXATION) LB.	CLASS "P" CONCRETE C.Y.	REINFORCING STEEL LB.
6	4,626	28	3,272

▲ DENOTES: BREAK BOND 6'-0" FROM END OF BEAM
● DENOTES: BREAK BOND 9'-0" FROM END OF BEAM
◉ DENOTES: BREAK BOND 12'-0" FROM END OF BEAM
✱ DENOTES: BREAK BOND 15'-0" FROM END OF BEAM

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: JERRY W. SIMPSON DATE: 8-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

3/19/2026 10:27:57 AM

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESTRESSED BEAM DETAILS
SPAN NO. 1
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-623

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
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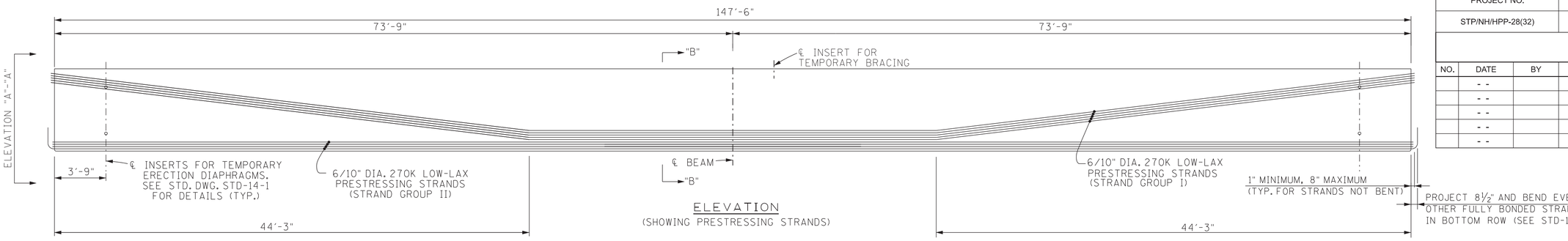
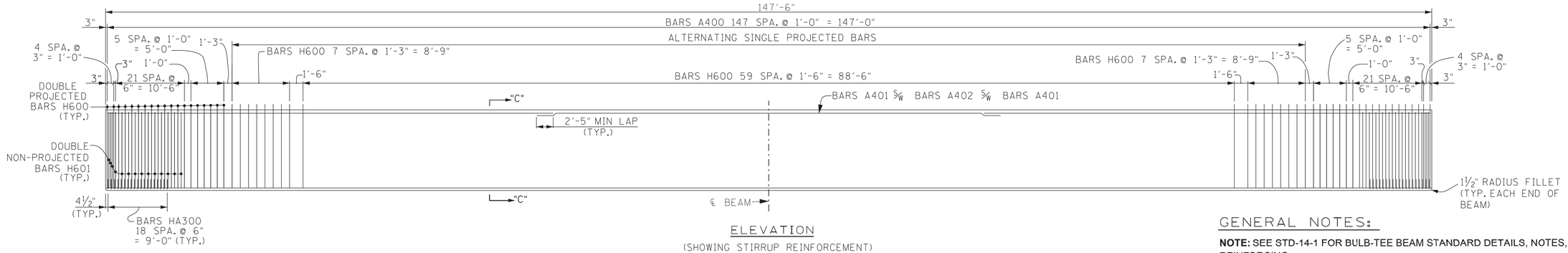


ELEVATION
(SHOWING PRESTRESSING STRANDS)



ELEVATION
(SHOWING STIRRUP REINFORCEMENT)

BILL OF STEEL
(BEAM SPAN NO. 2)

BAR	SIZE	NO. REQ'D	LENGTH
A400	4	148	3'-2"
A401	4	12	60'-0"
A402	4	6	32'-4"
A500	5	8	5'-6"
H600	6	152	7'-8"
H601	6	56	7'-1"
HA300	3	38	4'-7"



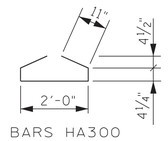
BARS H601



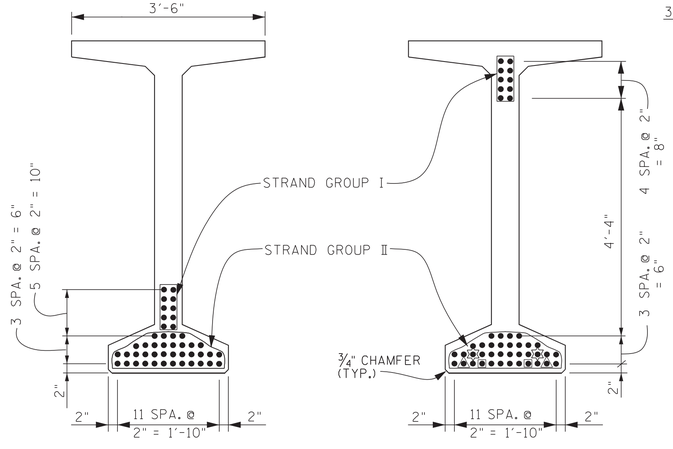
BARS A400, A401, A402 OR A500



BARS H600

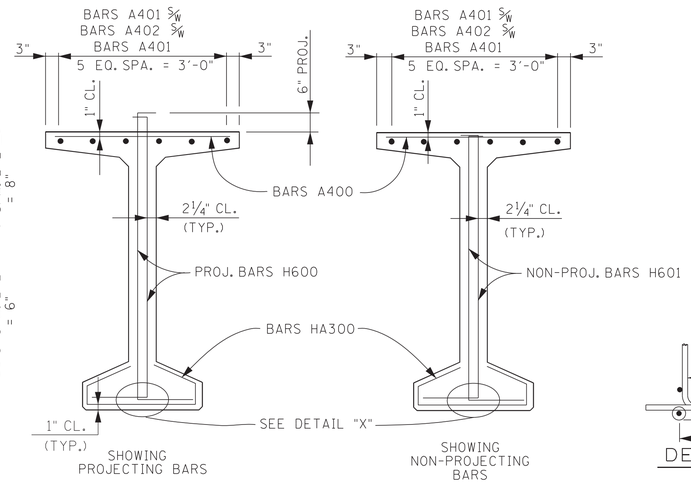


BARS HA300

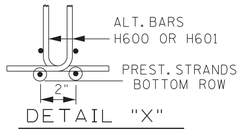


SECTION "B"-"B"
(SHOWING PRESTRESSED STRANDS AT MIDSPAN)
(46 STRANDS)

ELEVATION "A"-"A"
(SHOWING PRESTRESSED STRANDS AT ENDS)
(46 STRANDS)



SECTION "C"-"C"



DETAIL "X"

GENERAL NOTES:

NOTE: SEE STD-14-1 FOR BULB-TEE BEAM STANDARD DETAILS, NOTES, AND REINFORCING.

NOTE: ALL BEAMS ARE BT-72.

NOTE: THE PRESTRESSED BEAMS SHALL ATTAIN AN AGE OF AT LEAST 90 DAYS PRIOR TO POURING THE SUPPORT DIAPHRAGMS (EXCLUDING BOTTOM 15") AND DECK SLAB.

NOTE: THE CONCRETE FOR THIS CONSTRUCTION SHALL BE OF SUCH PROPERTIES AS TO ATTAIN A COMPRESSIVE STRENGTH OF NOT LESS THAN 10,000 PSI AT THE AGE OF 28 DAYS AND STRESS TRANSFER SHALL NOT BE MADE TO THE BRIDGE MEMBER UNTIL THE TEST SPECIMENS INDICATE THAT THE CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF AT LEAST 8,500 PSI. SEE GENERAL NOTES FOR CONCRETE FINISHING NOTE.

PRESTRESSING STRANDS: ALL STRANDS SHALL BE 6/10" DIAMETER, UNCOATED 7- WIRE STRANDS, ASTM A416 GRADE 270, LOW-LAX, A = 0.217 SQ. IN. PULLED TO 43,943 LBS. PER STRAND UNLESS OTHERWISE NOTED.

PRESTRESSED BEAM DESIGN DATA (PER BEAM):

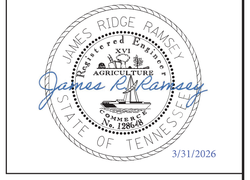
LIVE LOAD DISTRIBUTION FACTOR: MOMENT = 0.91 LANES
SHEAR = 1.00 LANES

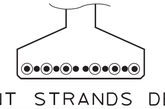
COMPOSITE DEAD LOAD: DC = 127 LB/FT
DW = 274 LB/FT

COMPOSITE SLAB DESIGN STRENGTH: F 'C = 4000 PSI

ALL BEAMS SHALL HAVE UPWARD DEFLECTION OF AT LEAST 1/8" UNDER TOTAL DEAD LOAD.

SEALED BY





BENT STRANDS DETAIL

⊙ DENOTES: STRANDS TO BE BENT

NOTE: ALL STRANDS TO BE DETENSIONED SHALL BE DETENSIONED IN THE SEQUENCE SHOWN ON THE SHOP DRAWINGS. ANY DAMAGE THAT OCCURS TO THE BEAMS DUE TO A DEVIATION FROM THE CUTTING PROCEDURE AS STATED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND REPAIRED AT HIS OWN EXPENSE TO THE COMPLETE SATISFACTION OF THE ENGINEER.

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: JERRY W. SIMPSON DATE: 8-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

▲ DENOTES: BREAK BOND 3'-0" FROM END OF BEAM
● DENOTES: BREAK BOND 6'-0" FROM END OF BEAM
✱ DENOTES: BREAK BOND 9'-0" FROM END OF BEAM

ESTIMATED QUANTITIES-PER BEAM

NO. BEAMS REQ'D.	PRESTRESSING STRANDS (LOW RELAXATION) LB.	CLASS "P" CONCRETE C.Y.	REINFORCING STEEL LB.
6	5,079	29	3,382

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESTRESSED BEAM DETAILS
SPAN NO. 2
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-624

3/19/2026 10:40:00 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
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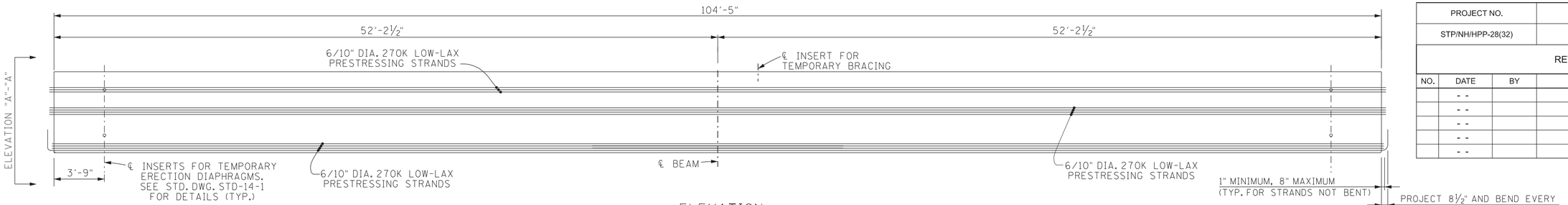
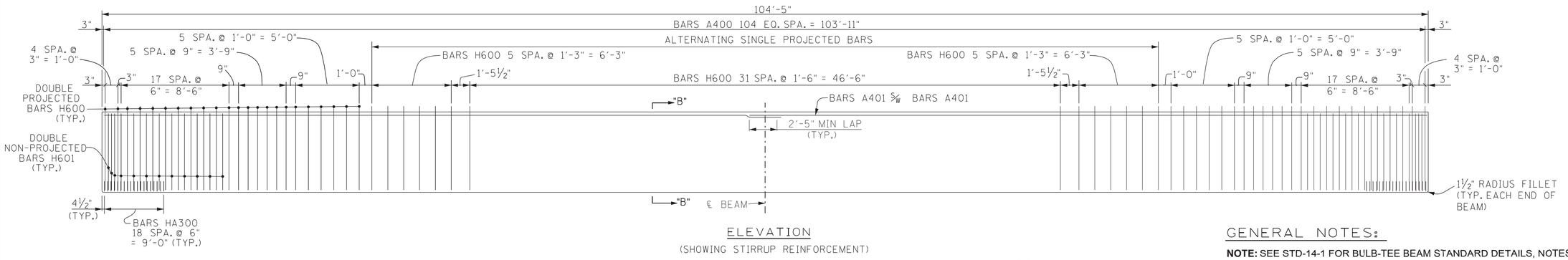


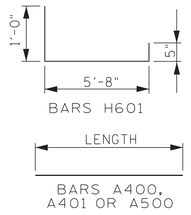
ELEVATION
(SHOWING PRESTRESSING STRANDS)

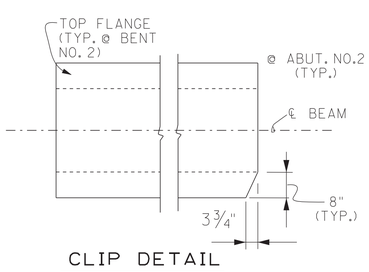


ELEVATION
(SHOWING STIRRUP REINFORCEMENT)

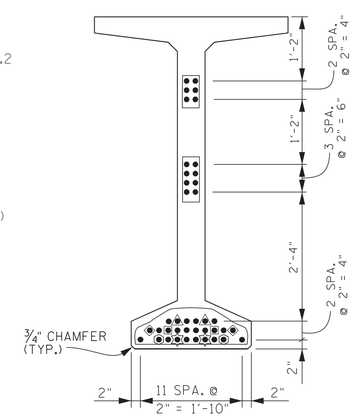
BILL OF STEEL
(BEAM SPAN NO. 3)

BAR	SIZE	NO. REQ'D	LENGTH
A400	4	105	3'-2"
A401	4	12	53'-3"
A500	5	8	5'-6"
H600	6	136	7'-8"
H601	6	48	7'-1"
HA300	3	38	4'-7"

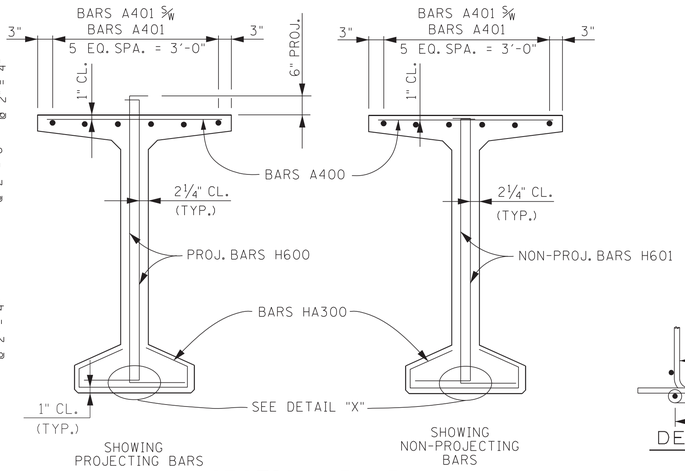




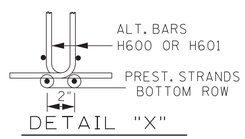
CLIP DETAIL



ELEVATION "A"-"A"
(SHOWING PRESTRESSED STRANDS)
(40 STRANDS)



SECTION "B"-"B"



DETAIL "X"

- ▲ DENOTES: BREAK BOND 4'-0" FROM END OF BEAM
- ◉ DENOTES: BREAK BOND 7'-0" FROM END OF BEAM
- ◉ DENOTES: BREAK BOND 10'-0" FROM END OF BEAM
- ◉ DENOTES: BREAK BOND 13'-0" FROM END OF BEAM
- ◉ DENOTES: BREAK BOND 16'-0" FROM END OF BEAM

ESTIMATED QUANTITIES-PER BEAM

NO. BEAMS REQ'D.	PRESTRESSING STRANDS (LOW RELAXATION) LB.	CLASS "P" CONCRETE C.Y.	REINFORCING STEEL LB.
6	3,145	21	2,838

GENERAL NOTES:

NOTE: SEE STD-14-1 FOR BULB-TEE BEAM STANDARD DETAILS, NOTES, AND REINFORCING.

NOTE: ALL BEAMS ARE BT-72.

NOTE: THE PRESTRESSED BEAMS SHALL ATTAIN AN AGE OF AT LEAST 90 DAYS PRIOR TO POURING THE SUPPORT DIAPHRAGMS (EXCLUDING BOTTOM 15") AND DECK SLAB.

NOTE: THE CONCRETE FOR THIS CONSTRUCTION SHALL BE OF SUCH PROPERTIES AS TO ATTAIN A COMPRESSIVE STRENGTH OF NOT LESS THAN 10,000 PSI AT THE AGE OF 28 DAYS AND STRESS TRANSFER SHALL NOT BE MADE TO THE BRIDGE MEMBER UNTIL THE TEST SPECIMENS INDICATE THAT THE CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF AT LEAST 8,500 PSI. SEE GENERAL NOTES FOR CONCRETE FINISHING NOTE.

PRESTRESSING STRANDS: ALL STRANDS SHALL BE 6/10" DIAMETER, UNCOATED 7- WIRE STRANDS, ASTM A416 GRADE 270, LOW-LAX, A = 0.217 SQ. IN. PULLED TO 43,943 LBS. PER STRAND UNLESS OTHERWISE NOTED.

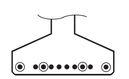
PRESTRESSED BEAM DESIGN DATA (PER BEAM):

LIVE LOAD DISTRIBUTION FACTOR: MOMENT = 0.91 LANES
SHEAR = 1.00 LANES

COMPOSITE DEAD LOAD: DC = 127 LB/FT
DW = 274 LB/FT

COMPOSITE SLAB DESIGN STRENGTH: F 'C = 4000 PSI

ALL BEAMS SHALL HAVE UPWARD DEFLECTION OF AT LEAST 1/8" UNDER TOTAL DEAD LOAD.



BENT STRANDS DETAIL

⊙ DENOTES: STRANDS TO BE BENT

NOTE: ALL STRANDS TO BE DETENSIONED SHALL BE DETENSIONED IN THE SEQUENCE SHOWN ON THE SHOP DRAWINGS. ANY DAMAGE THAT OCCURS TO THE BEAMS DUE TO A DEVIATION FROM THE CUTTING PROCEDURE AS STATED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND REPAIRED AT HIS OWN EXPENSE TO THE COMPLETE SATISFACTION OF THE ENGINEER.

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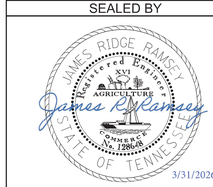


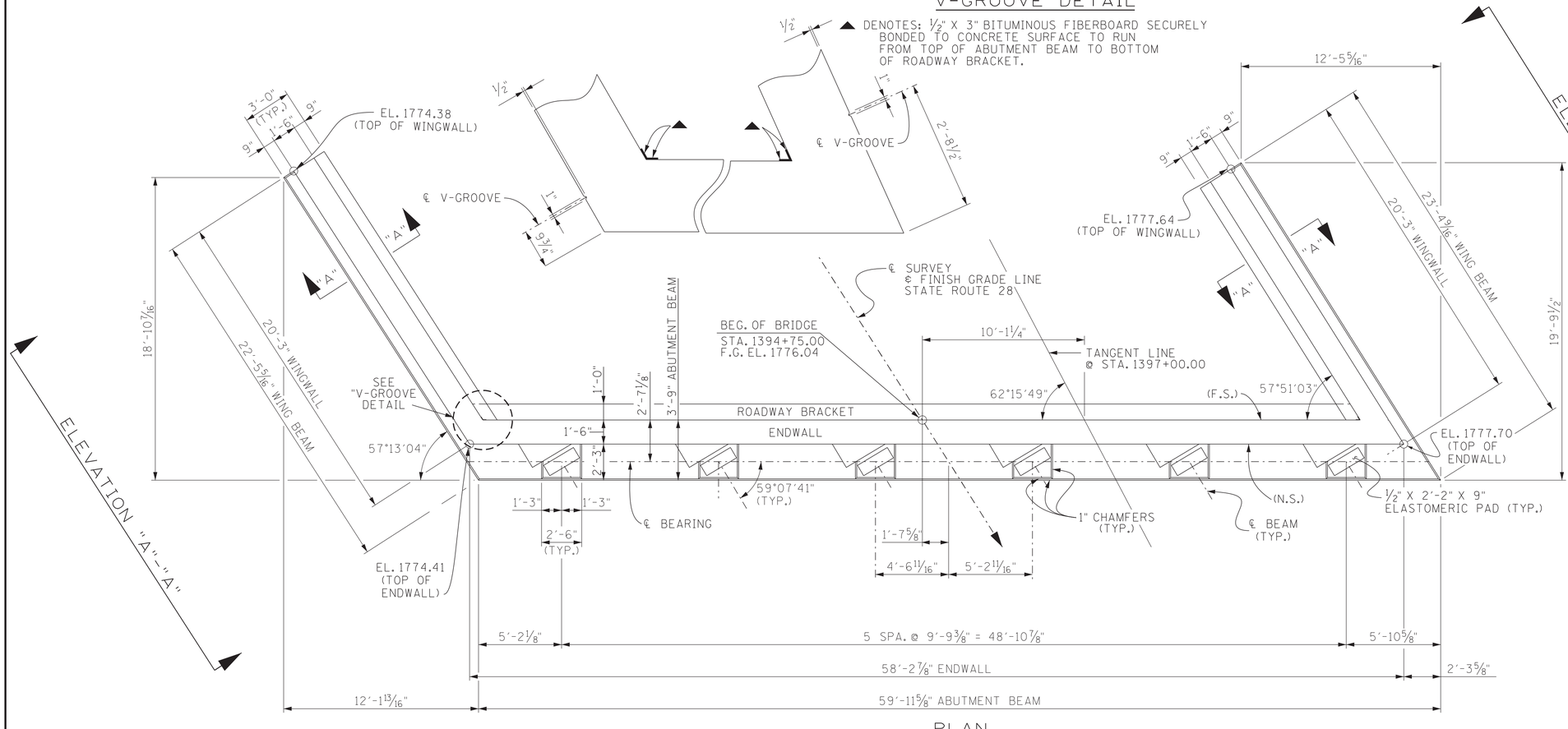
BRIDGE NO. 2
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
PRESTRESSED BEAM DETAILS
SPAN NO. 3
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-625

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: JERRY W. SIMPSON DATE: 8-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

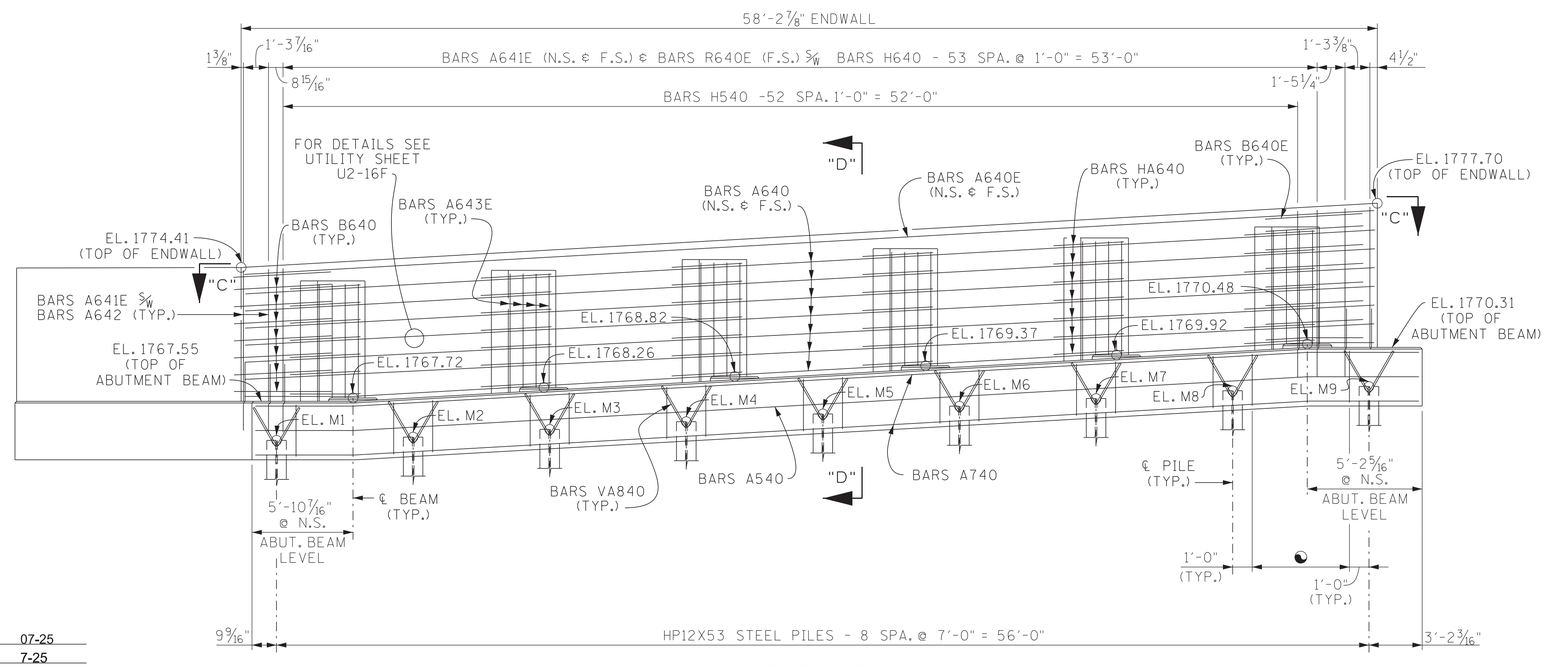
3/19/2026 11:23:03 AM

V-GROOVE DETAIL



PLAN

F.S. DENOTES: FAR SIDE
N.S. DENOTES: NEAR SIDE



ELEVATION
(LOOKING BACKWARD ON SURVEY)

◒ DENOTES: BARS L540 - 5 SPA. @ 1'-0" = 5'-0" (TYP. BETWEEN PILES)

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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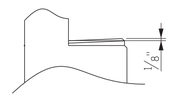
DIRECTION OF SURVEY



RISER BLOCK SLOPE DETAIL
(TYP. ALONG ℄ BEAM)

NOTE: RISER BLOCKS SHALL BE POURED MONOLITHICALLY WITH THE ABUTMENT BEAM.

NOTE: RISER BLOCK BEARING SURFACE TO CONFORM TO BOTTOM OF BEAM GRADE.

NOTE: ELASTOMERIC PADS SHALL BE IN PLACE A MINIMUM OF ONE DAY BEFORE BEING DISTURBED BY SETTING BEAMS. PLACE RUBBER BONDING CEMENT IN SUCH A WAY THAT VISIBLE CONCRETE SURFACES WILL NOT BE STAINED.

NOTE: WHEN POURING WINGWALLS, PROVISIONS SHALL BE MADE FOR SETTING REINFORCING STEEL FOR WINGPOSTS AND PARAPETS. FOR DETAILS OF WINGPOSTS AND PARAPETS, SEE STD. DWG. NO.1-1SS.

NOTE: NOT LESS THAN HALF OF THE SLAB IN THE END SPANS SHALL BE POURED PRIOR TO PLACEMENT OR CONCURRENTLY WITH PLACEMENT OF ANY PART OF THE ABUTMENT ENDWALLS. AT LEAST THE TOP 12 INCHES OF THE ENDWALLS SHALL BE POURED CONCURRENTLY WITH THE END OF SLAB.

NOTE: COST OF PARAPET AND POST IS TO BE INCLUDED IN THE UNIT PRICE BID FOR THE PARAPET SYSTEM.

NOTE: SEE STANDARD DRAWING STD-6-1 FOR PILE SEISMIC ATTACHMENT DETAILS AND NOTES.

NOTE: WINGBEAM PILES SHALL BE DRIVEN TO THE PLANS TIP ELEVATION OR REFUSAL. SEISMIC ATTACHMENT IS NOT REQUIRED FOR WINGBEAM PILES.

PILE CUT-OFF TABLE OF ELEVATIONS

LOCATION	"M1"	"M2"	"M3"
ELEVATION	1765.55	1765.69	1766.08
LOCATION	"M4"	"M5"	"M6"
ELEVATION	1766.48	1766.87	1767.27
LOCATION	"M7"	"M8"	"M9"
ELEVATION	1767.66	1768.06	1768.31

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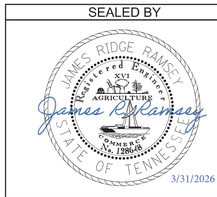

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ABUTMENT NO. 1
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-626

PIN NO.: 100260.03

DESIGN BY:	RIDGE RAMSEY	DATE: 07-25
DRAWN BY:	B. ERVIN	DATE: 7-25
SUPERVISED BY:	S. STEELE/D. BERWARY	DATE: 07-25
CHECKED BY:	D. BERWARY	DATE: 02-26

3/20/2026 8:55:42 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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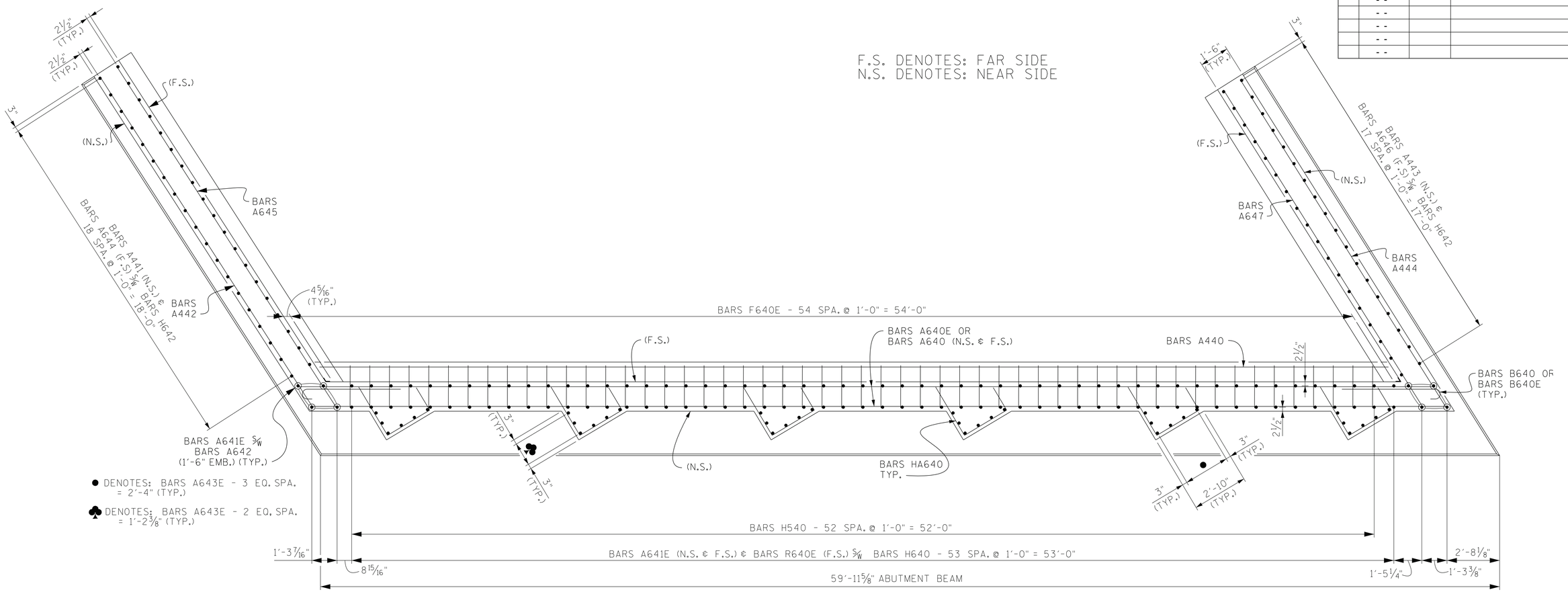
	- -		
	- -		
	- -		

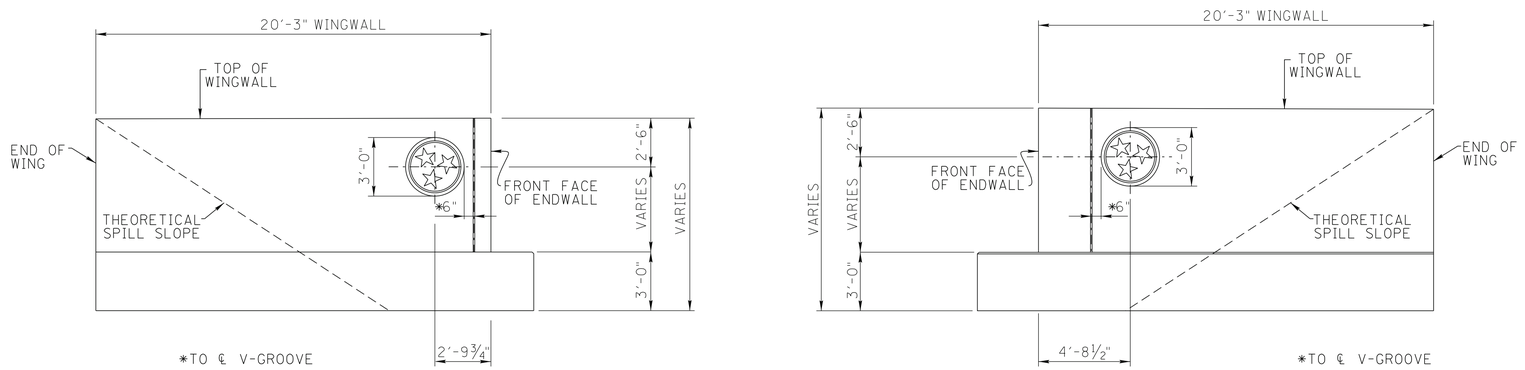
F.S. DENOTES: FAR SIDE
N.S. DENOTES: NEAR SIDE



● DENOTES: BARS A643E - 3 EQ. SPA. = 2'-4" (TYP.)

♣ DENOTES: BARS A643E - 2 EQ. SPA. = 1'-2⅜" (TYP.)

SECTION "C"-"C"



ABUTMENT TREATMENT

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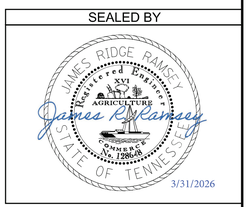

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ABUTMENT NO. 1 DETAILS
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-627

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: B. ERVIN DATE: 7-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

3/20/2026 8:58:10 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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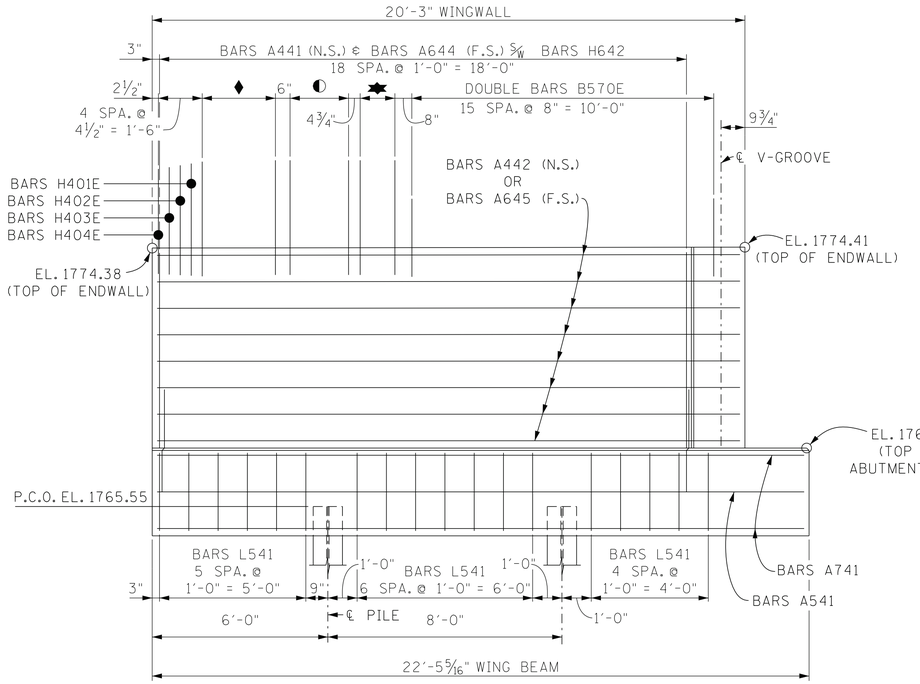
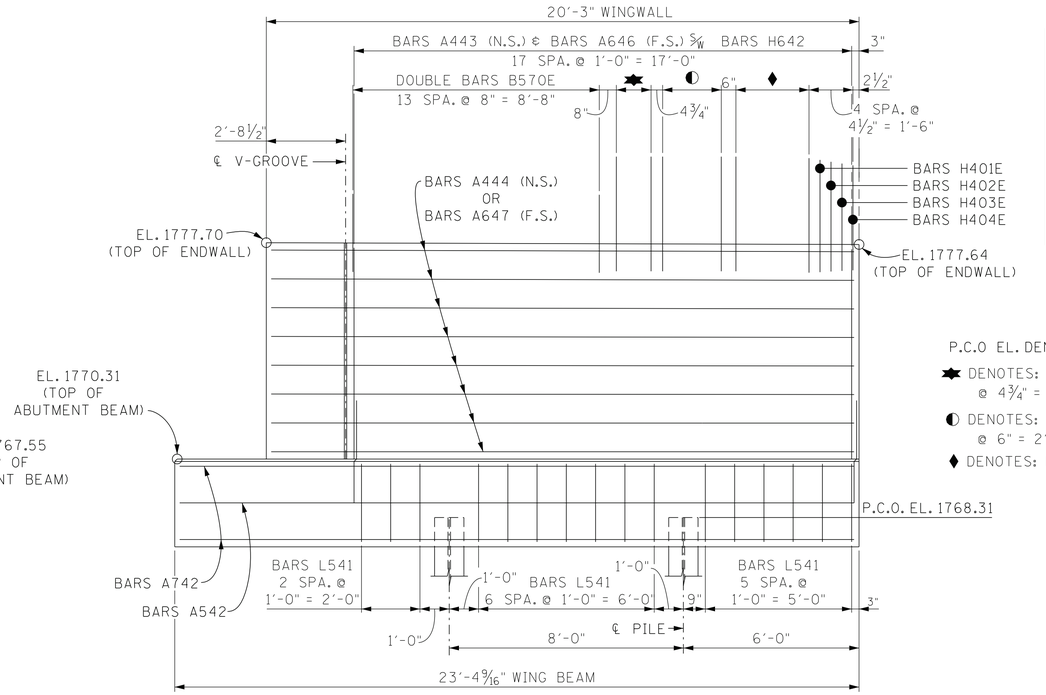


ELEVATION "A"-"A"



ELEVATION "B"-"B"

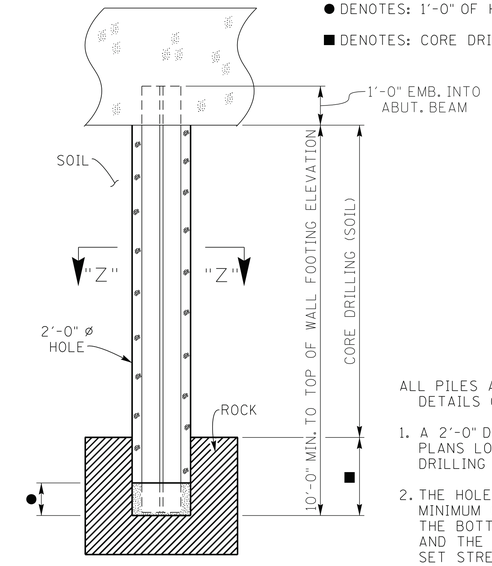
P.C.O EL. DENOTES: PILE CUT-OFF ELEVATION

✸ DENOTES: SERIES BARS HD400E - 3 SPA. @ 4¾" = 1'-2¼"

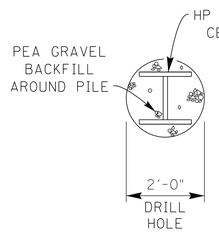
◐ DENOTES: SERIES BARS HD401E - 4 SPA. @ 6" = 2'-0"

♦ DENOTES: BARS H400E - 5 SPA. @ 6" = 2'-6"

F.S. DENOTES: FAR SIDE
N.S. DENOTES: NEAR SIDE



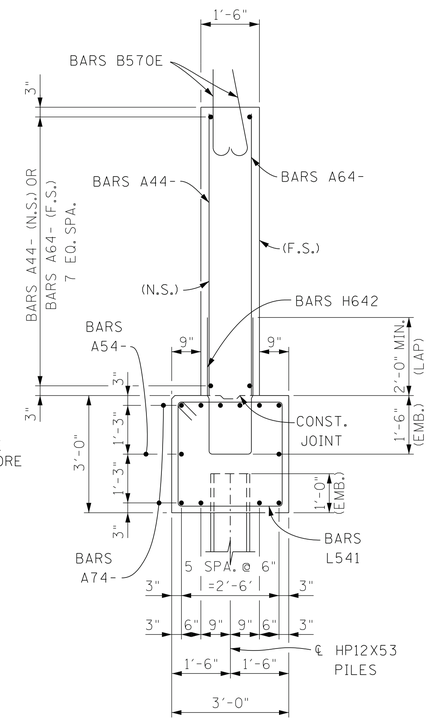
PRE-DRILLED PILE DETAILS



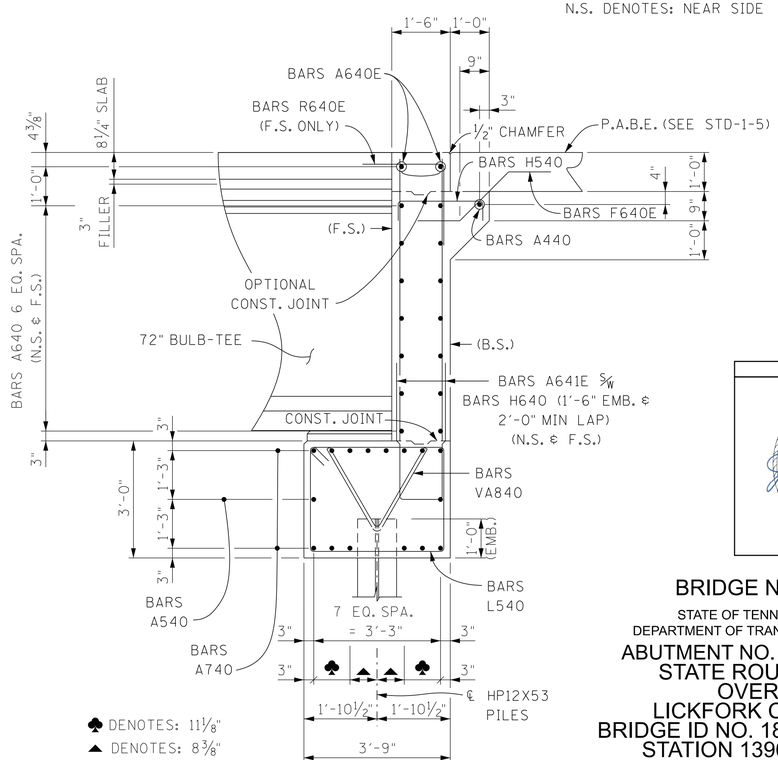
SECTION "Z-Z"

ALL PILES AT ABUTMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS ON THIS SHEET.

1. A 2'-0" DIAMETER HOLE (10'-0" MINIMUM IN LENGTH) SHALL BE DRILLED IN THE PLANS LOCATION FOR THE PILE. THE AMOUNT OF CORE DRILLING (SOIL) AND CORE DRILLING (ROCK) WILL VARY DUE TO LOCATION OF ROCK LINE.
2. THE HOLE SHALL BE THOROUGHLY CLEANED OF ALL LOOSE MATERIAL, A MINIMUM OF 12 INCHES OF HIGH EARLY STRENGTH CONCRETE PLACED IN THE BOTTOM OF THE HOLE, THE PILE INSERTED AND CENTERED IN THE HOLE AND THE PILE SUPPORTED UNTIL THE CONCRETE REACHES ITS INITIAL SET STRENGTH.
3. AS SOON AS THE CONCRETE HAS OBTAINED ITS INITIAL SET AND IT IS ABLE TO STABILIZE THE PILE TIP LOCATION IN THE BOTTOM OF THE HOLE, THE HOLE SHALL BE BACKFILLED WITH PEA GRAVEL. THE TOP OF THE PILE SHALL BE BRACED IN A MANNER SO THAT ITS VERTICAL POSITION IN THE CENTER OF THE HOLE IS MAINTAINED.



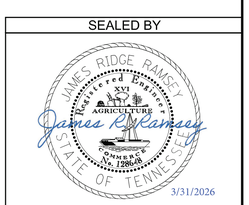
SECTION "A"-"A"



♣ DENOTES: 11⅛"
▲ DENOTES: 8⅜"

SECTION "D"-"D"

SEALED BY



BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ABUTMENT NO. 1 DETAILS
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-628

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: B. ERVIN DATE: 7-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

9:13:07 AM
3/20/2026

CONST. NO.: 18008-3230-14

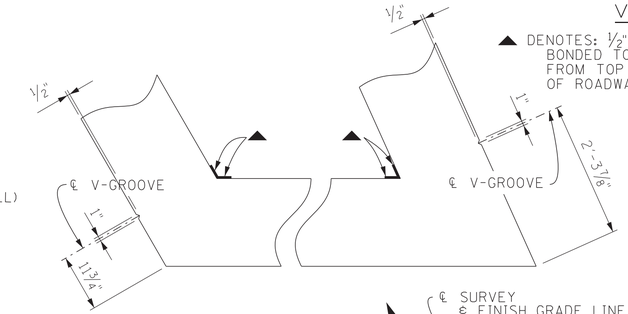
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

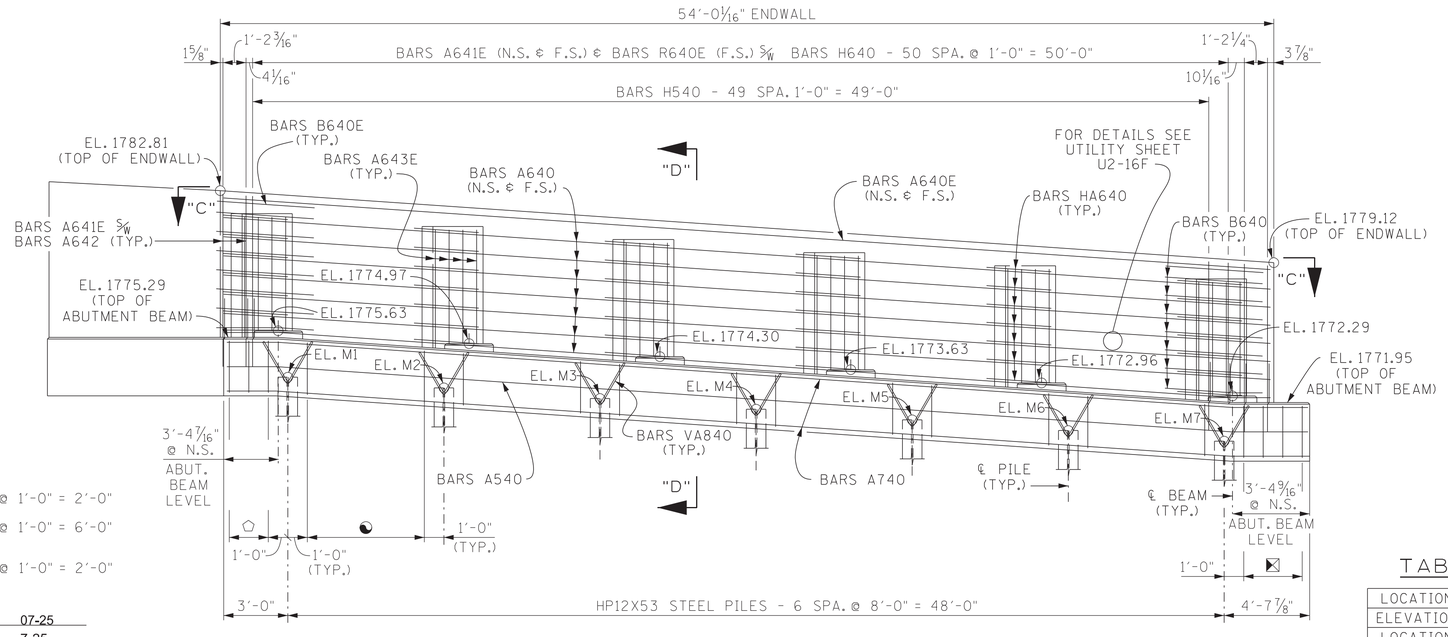
V-GROOVE DETAIL

▲ DENOTES: ½" X 3" BITUMINOUS FIBERBOARD SECURELY BONDED TO CONCRETE SURFACE TO RUN FROM TOP OF ABUTMENT BEAM TO BOTTOM OF ROADWAY BRACKET.



PLAN

F.S. DENOTES: FAR SIDE
N.S. DENOTES: NEAR SIDE



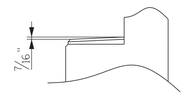
ELEVATION
(LOOKING FORWARD ON SURVEY)

▩ DENOTES: BARS L540 - 2 SPA. @ 1'-0" = 2'-0"

◕ DENOTES: BARS L540 - 6 SPA. @ 1'-0" = 6'-0" (TYP. BETWEEN PILES)

⬠ DENOTES: BARS L540 - 2 SPA. @ 1'-0" = 2'-0"

DIRECTION OF SURVEY



RISER BLOCK SLOPE DETAIL

(TYP. ALONG ℄ BEAM)

NOTE: RISER BLOCKS SHALL BE POURED MONOLITHICALLY WITH THE ABUTMENT BEAM.

NOTE: RISER BLOCK BEARING SURFACE TO CONFORM TO BOTTOM OF BEAM GRADE.

NOTE: ELASTOMERIC PADS SHALL BE IN PLACE A MINIMUM OF ONE DAY BEFORE BEING DISTURBED BY SETTING BEAMS. PLACE RUBBER BONDING CEMENT IN SUCH A WAY THAT VISIBLE CONCRETE SURFACES WILL NOT BE STAINED.

NOTE: WHEN POURING WINGWALLS, PROVISIONS SHALL BE MADE FOR SETTING REINFORCING STEEL FOR WINGPOSTS AND PARAPETS. FOR DETAILS OF WINGPOSTS AND PARAPETS, SEE STD. DWG. NO.1-1SS.

NOTE: NOT LESS THAN HALF OF THE SLAB IN THE END SPANS SHALL BE POURED PRIOR TO PLACEMENT OR CONCURRENTLY WITH PLACEMENT OF ANY PART OF THE ABUTMENT ENDWALLS. AT LEAST THE TOP 12 INCHES OF THE ENDWALLS SHALL BE POURED CONCURRENTLY WITH THE END OF SLAB.

NOTE: COST OF PARAPET AND POST IS TO BE INCLUDED IN THE UNIT PRICE BID FOR THE PARAPET SYSTEM.

NOTE: SEE STANDARD DRAWING STD-6-1 FOR PILE SEISMIC ATTACHMENT DETAILS AND NOTES.

NOTE: WINGBEAM PILES SHALL BE DRIVEN TO THE PLANS TIP ELEVATION OR REFUSAL. SEISMIC ATTACHMENT IS NOT REQUIRED FOR WINGBEAM PILES.

SEALED BY



PILE CUT-OFF TABLE OF ELEVATIONS

LOCATION	"M1"	"M2"	"M3"	"M4"
ELEVATION	1773.29	1772.80	1772.26	1771.71
LOCATION	"M5"	"M6"	"M7"	
ELEVATION	1771.16	1770.62	1770.07	

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: B. ERVIN DATE: 7-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ABUTMENT NO. 2
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-629

9:18:34 AM
3/20/2026

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
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	- -		
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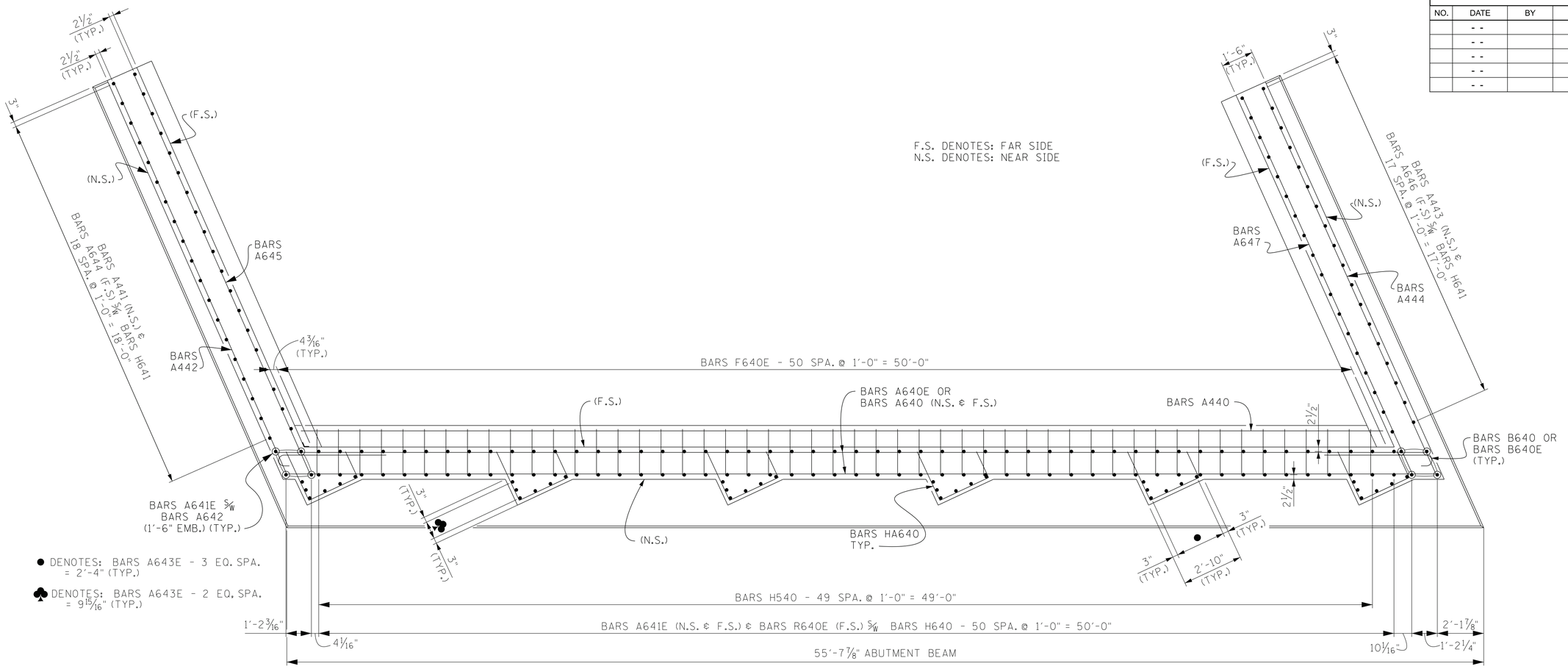
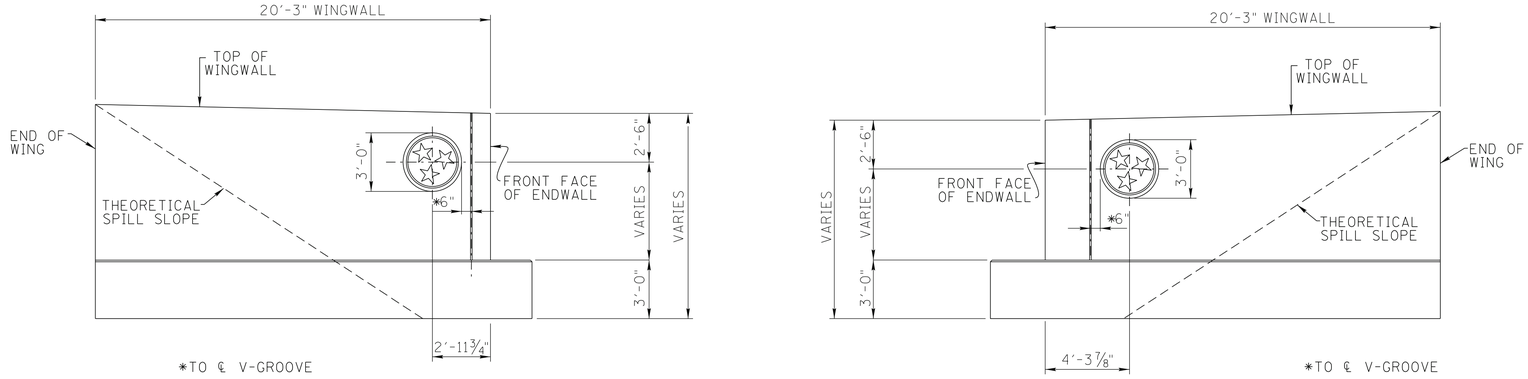


● DENOTES: BARS A643E - 3 EQ. SPA. = 2'-4" (TYP.)

♣ DENOTES: BARS A643E - 2 EQ. SPA. = 9 15/16" (TYP.)

SECTION "C"-"C"



ABUTMENT TREATMENT

SEALED BY



BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ABUTMENT NO. 2 DETAILS
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-630

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: B. ERVIN DATE: 7-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

9:21:59 AM
3/20/2026

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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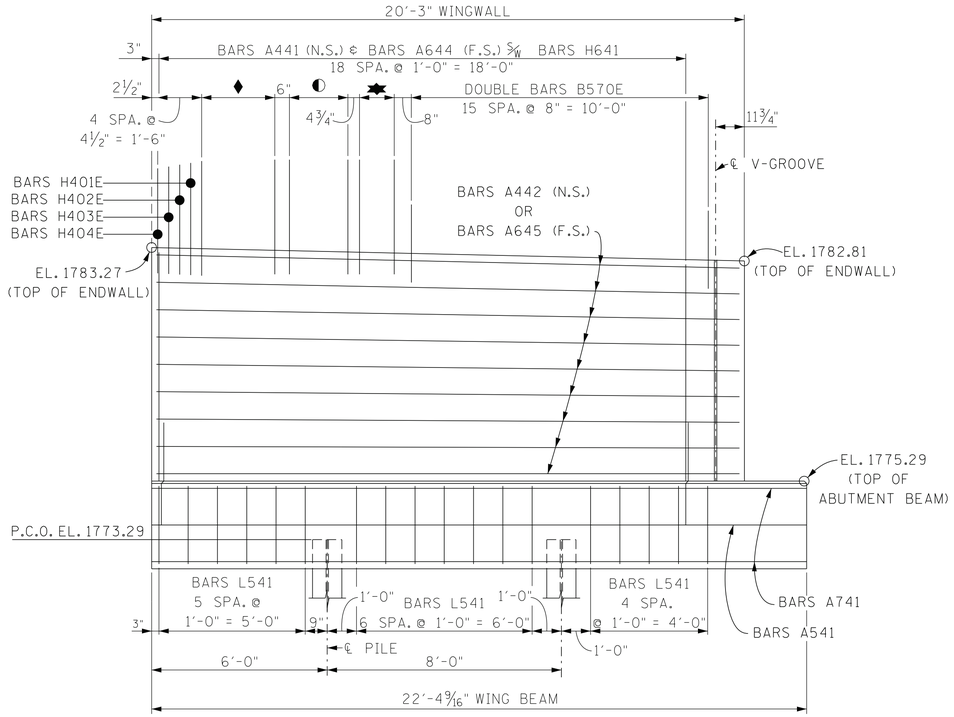
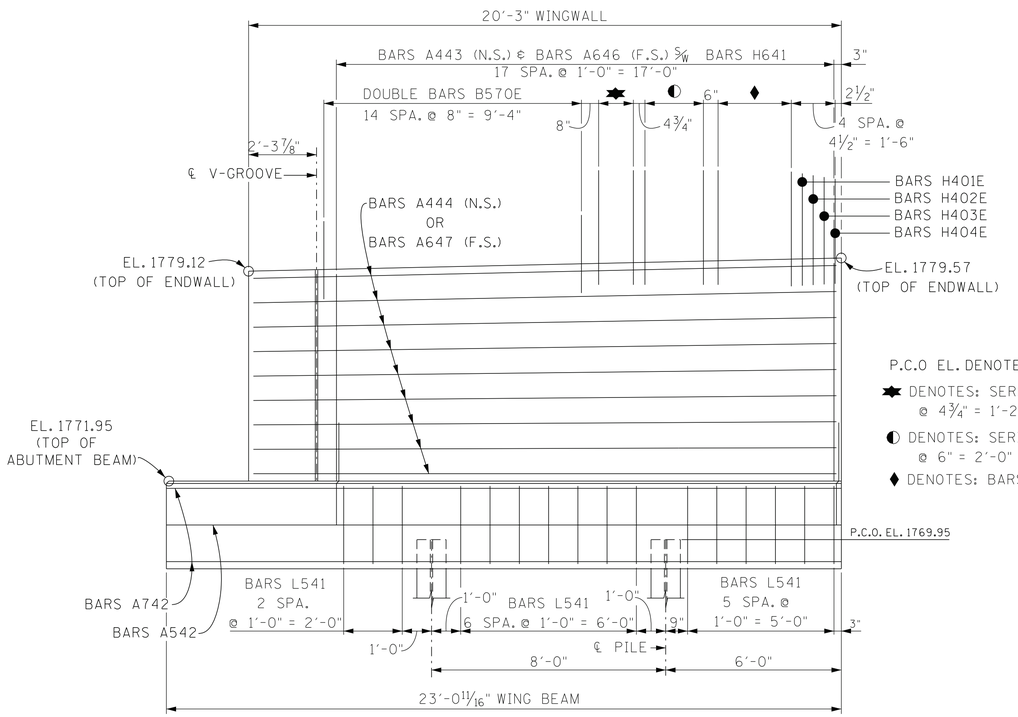


ELEVATION "A"-"A"



ELEVATION "B"-"B"

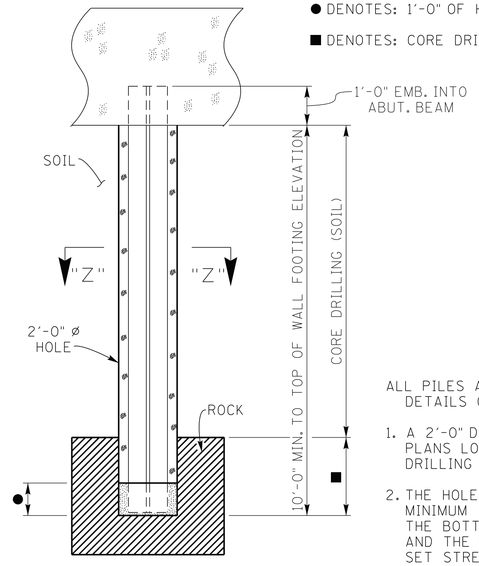
P.C.O EL. DENOTES: PILE CUT-OFF ELEVATION

✸ DENOTES: SERIES BARS HD400E - 3 SPA. @ 4¾" = 1'-2¼"

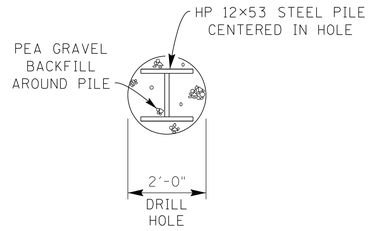
◐ DENOTES: SERIES BARS HD401E - 4 SPA. @ 6" = 2'-0"

♦ DENOTES: BARS H400E - 5 SPA. @ 6" = 2'-6"

F.S. DENOTES: FAR SIDE
N.S. DENOTES: NEAR SIDE



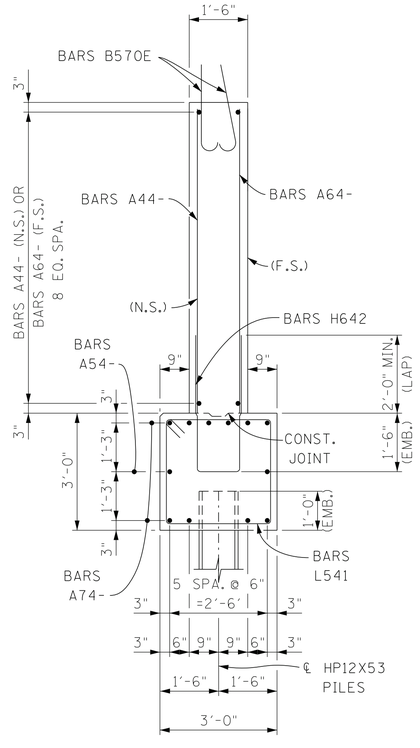
PRE-DRILLED PILE DETAILS



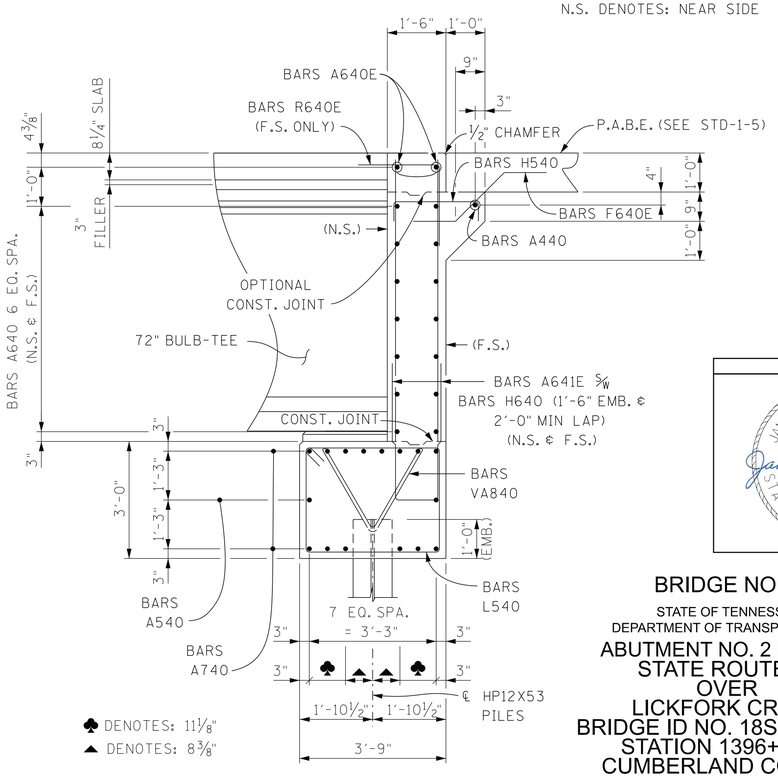
SECTION "Z-Z"

ALL PILES AT ABUTMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS ON THIS SHEET.

1. A 2'-0" DIAMETER HOLE (10'-0" MINIMUM IN LENGTH) SHALL BE DRILLED IN THE PLANS LOCATION FOR THE PILE. THE AMOUNT OF CORE DRILLING (SOIL) AND CORE DRILLING (ROCK) WILL VARY DUE TO LOCATION OF ROCK LINE.
2. THE HOLE SHALL BE THOROUGHLY CLEANED OF ALL LOOSE MATERIAL, A MINIMUM OF 12 INCHES OF HIGH EARLY STRENGTH CONCRETE PLACED IN THE BOTTOM OF THE HOLE, THE PILE INSERTED AND CENTERED IN THE HOLE AND THE PILE SUPPORTED UNTIL THE CONCRETE REACHES ITS INITIAL SET STRENGTH.
3. AS SOON AS THE CONCRETE HAS OBTAINED ITS INITIAL SET AND IT IS ABLE TO STABILIZE THE PILE TIP LOCATION IN THE BOTTOM OF THE HOLE, THE HOLE SHALL BE BACKFILLED WITH PEA GRAVEL. THE TOP OF THE PILE SHALL BE BRACED IN A MANNER SO THAT ITS VERTICAL POSITION IN THE CENTER OF THE HOLE IS MAINTAINED.



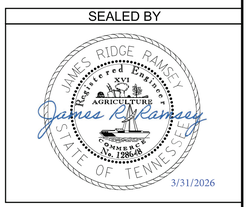
SECTION "A"-"A"



♣ DENOTES: 11⅛"
▲ DENOTES: 8⅜"

SECTION "D"-"D"

SEALED BY



BRIDGE NO. 2
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
ABUTMENT NO. 2 DETAILS
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-631

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: B. ERVIN DATE: 7-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

9:25:23 AM
3/20/2026

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
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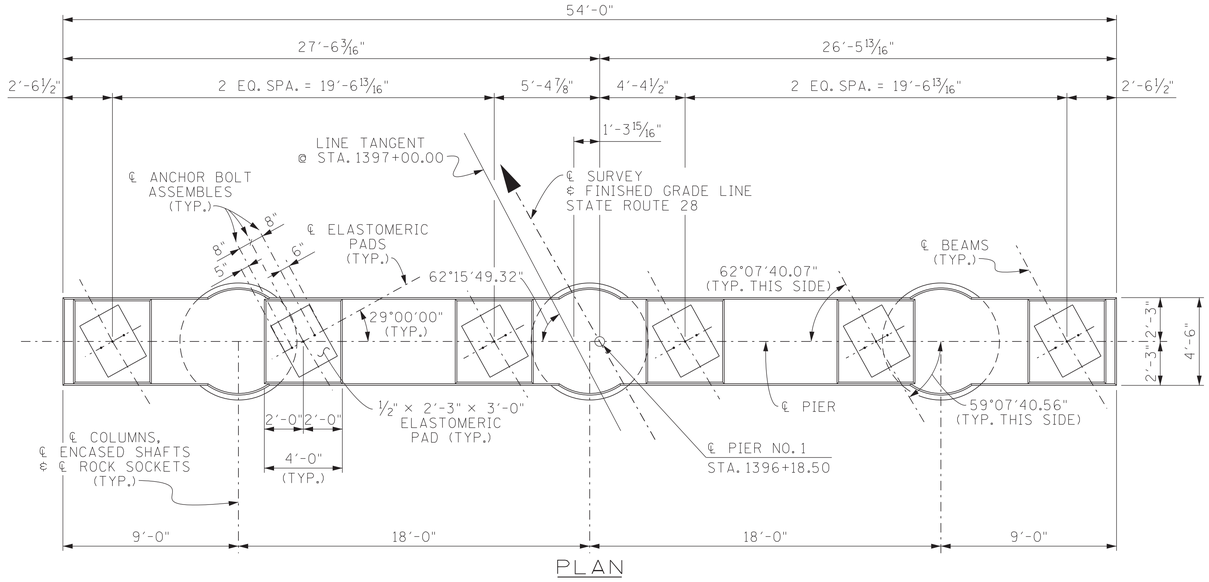
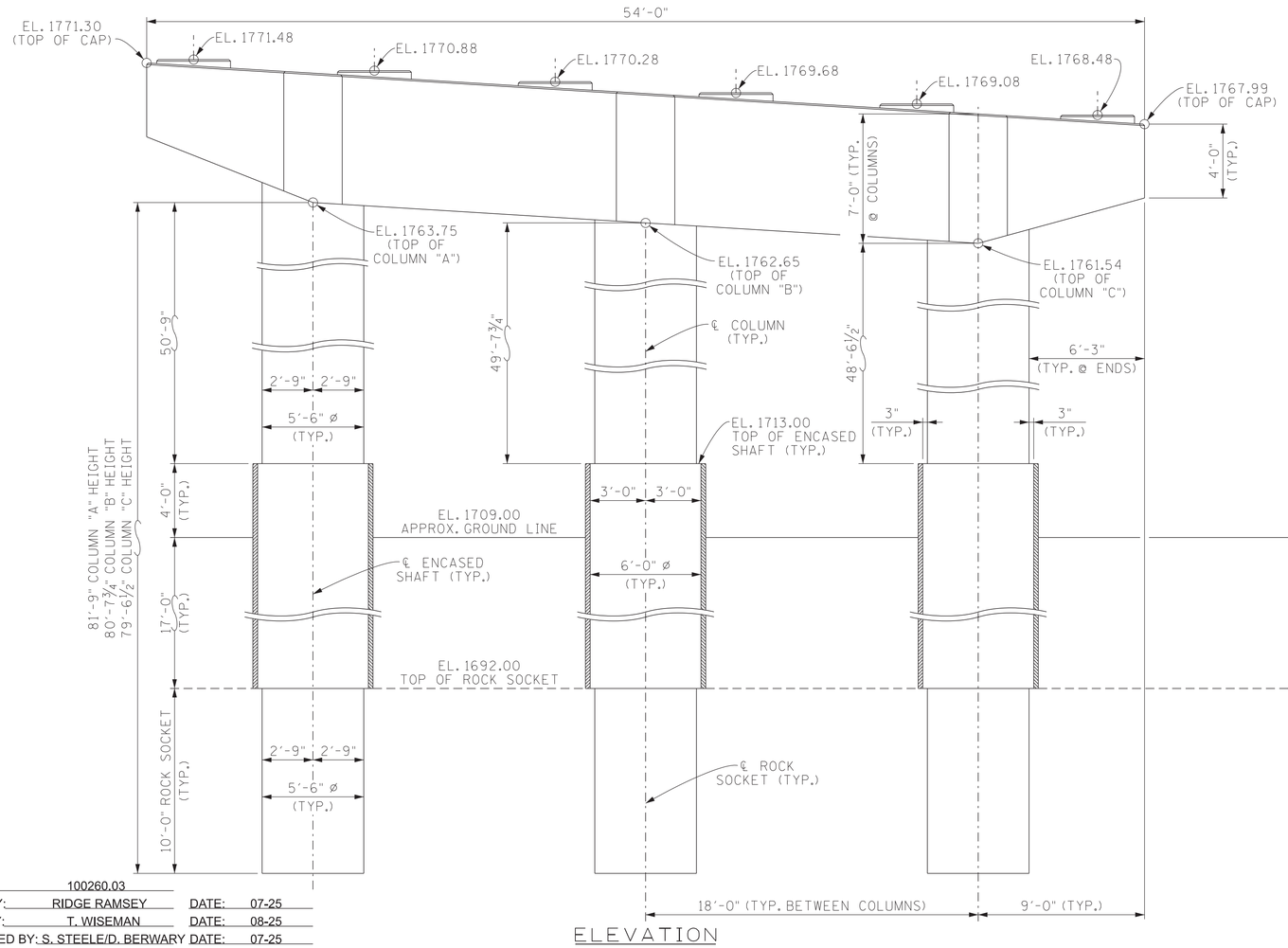
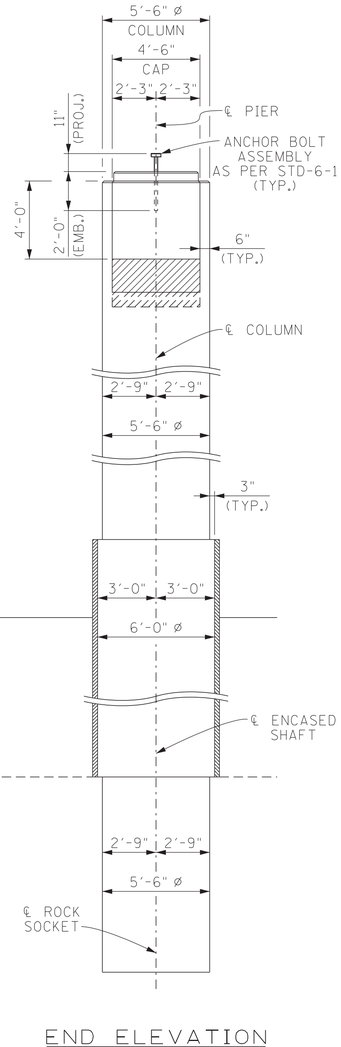


PLAN

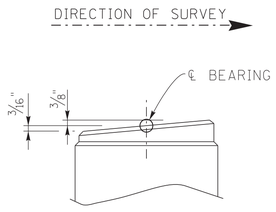


ELEVATION

(LOOKING FORWARD ON SURVEY)



END ELEVATION



RISER BLOCK SLOPE DETAIL

(TYP. ALONG ℄ BEAM)

GENERAL NOTES

NOTE: WHEN POURING CAP BEAM, PROVISIONS SHALL BE MADE FOR SETTING ANCHOR BOLTS. SEE STANDARD DRAWING STD-6-1. BOLT PROJECTION 11".

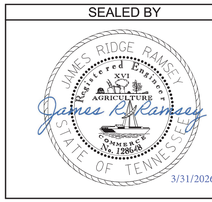
NOTE: RISER BLOCKS SHALL BE POURED MONOLITHICALLY WITH PIER CAP.

NOTE: RISER BLOCK BEARING SURFACE SHALL CONFORM TO BOTTOM OF BEAM GRADE.

NOTE: ELASTOMERIC PADS SHALL BE IN PLACE A MINIMUM OF ONE DAY BEFORE BEING DISTURBED BY SETTING BEAMS ON CONCRETE. PLACE RUBBER BONDING CEMENT IN SUCH A WAY THAT VISIBLE CONCRETE SURFACES WILL NOT BE STAINED.

NOTE: SEE DWG. U-95-633 FOR COLUMN STEEL PROJECTION INTO PIER CAP

SEALED BY



PIN NO.: 100260.03

DESIGN BY:	RIDGE RAMSEY	DATE:	07-25
DRAWN BY:	T. WISEMAN	DATE:	08-25
SUPERVISED BY:	S. STEELE/D. BERWARY	DATE:	07-25
CHECKED BY:	D. BERWARY	DATE:	02-26

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PIER NO. 1
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-632

3/19/2026 11:04:02 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
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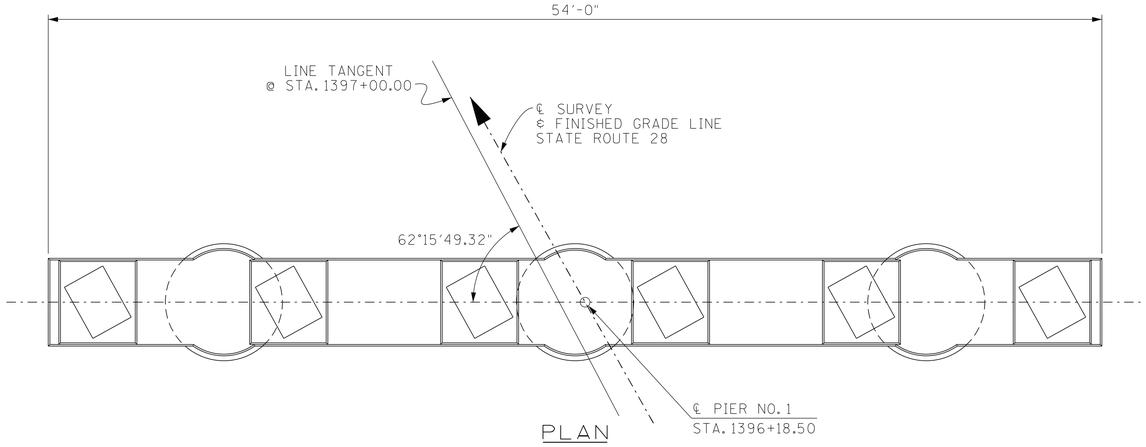
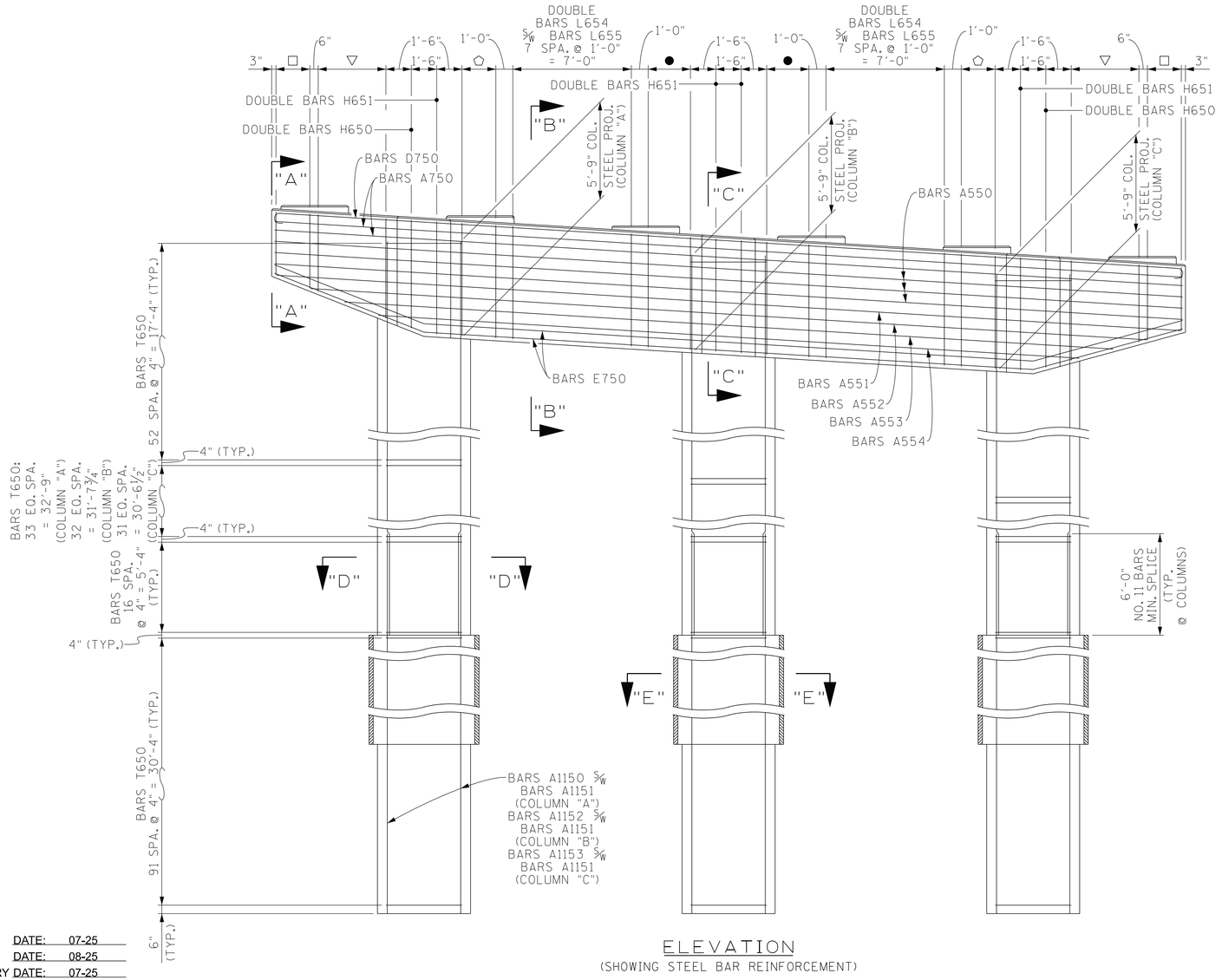
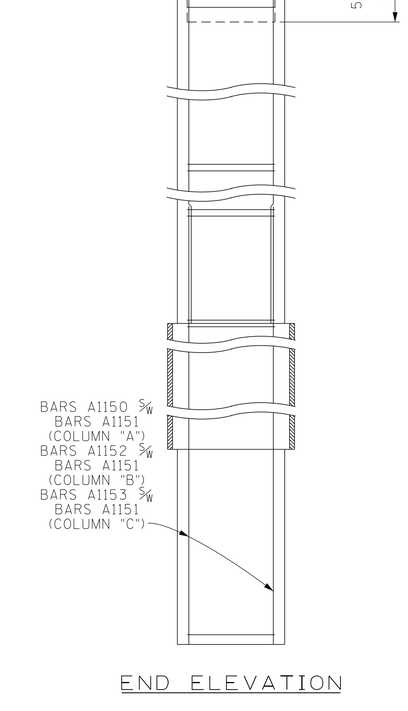


PLAN

□ DENOTES: DOUBLE SERIES BARS L650 S/W SERIES BARS L651
2 SPA. @ 1'-0" = 2'-0"
▽ DENOTES: DOUBLE SERIES BARS L652 S/W SERIES BARS L653
8 SPA. @ 6" = 4'-0"
⬠ DENOTES: DOUBLE BARS L654 S/W BARS L655
4 SPA. @ 6" = 2'-0"
● DENOTES: DOUBLE BARS L654 S/W BARS L655
5 SPA. @ 6" = 2'-6"



ELEVATION
(SHOWING STEEL BAR REINFORCEMENT)



END ELEVATION

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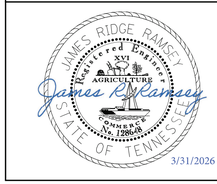

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PIER NO. 1 DETAILS
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-633

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: T. WISEMAN DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

3/19/2026 11:05:11 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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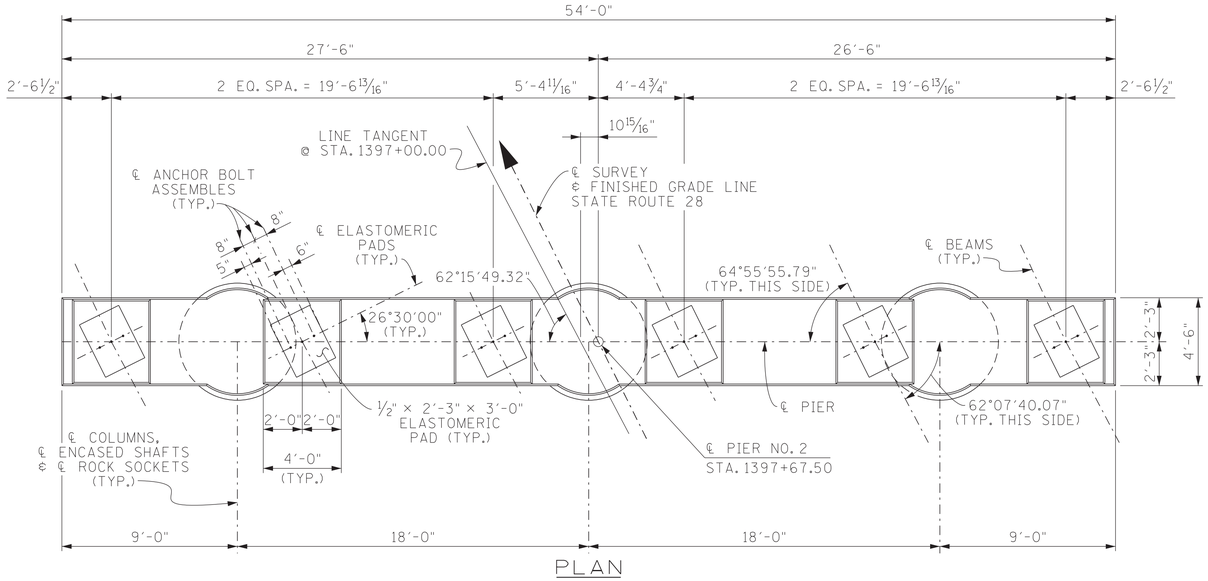
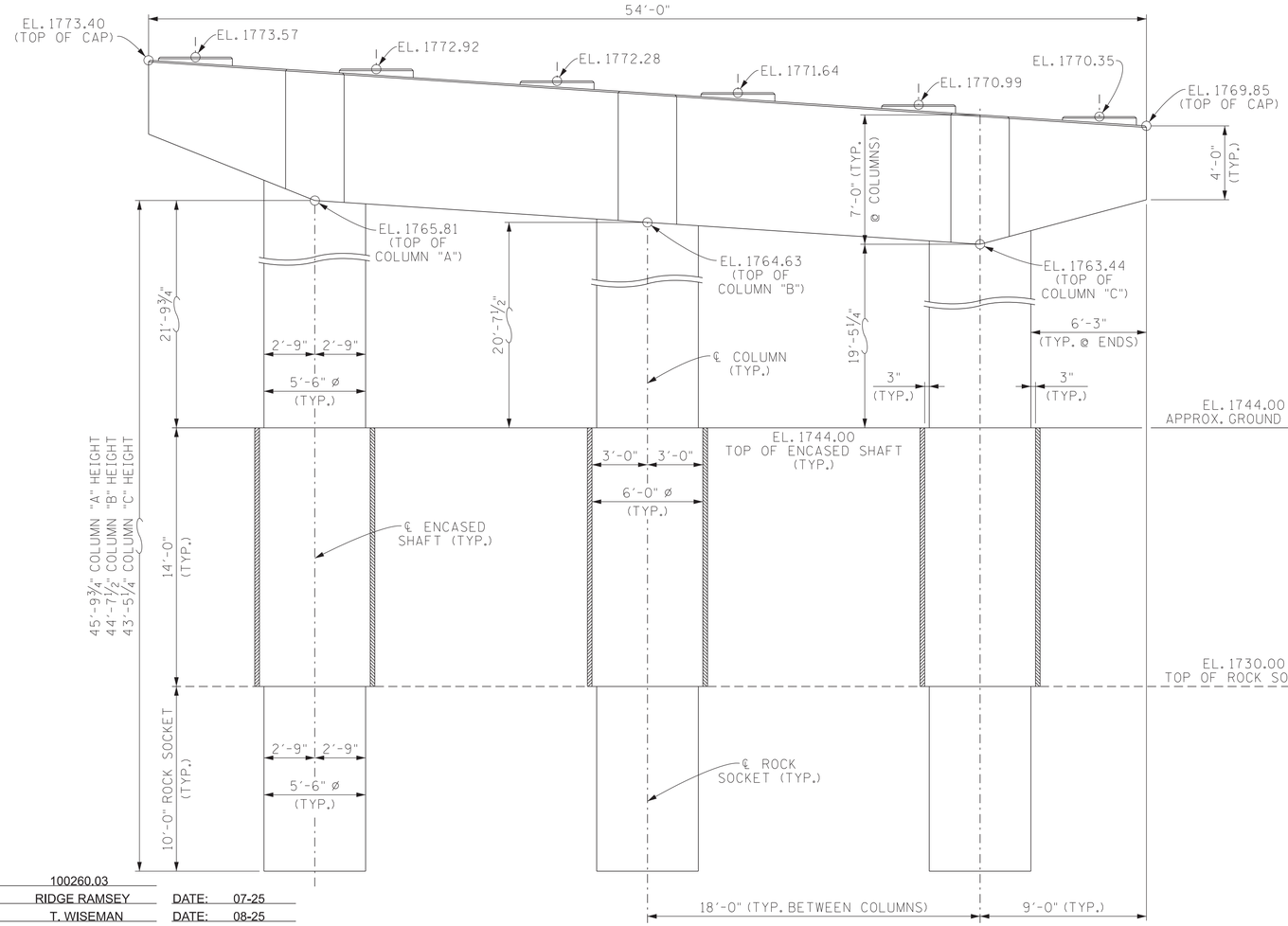
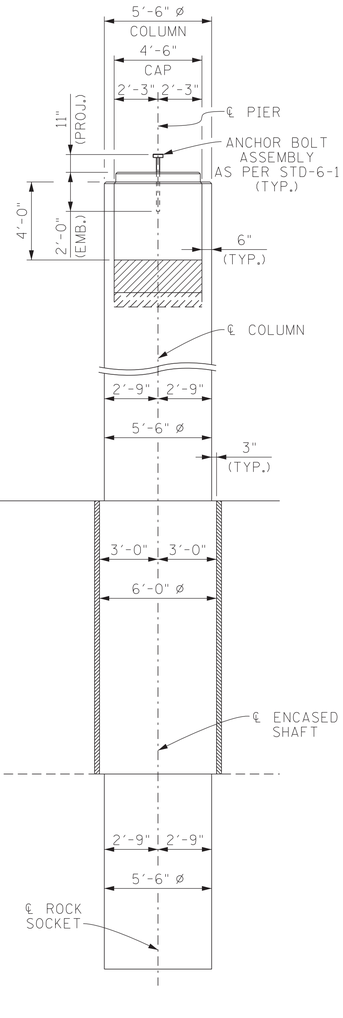


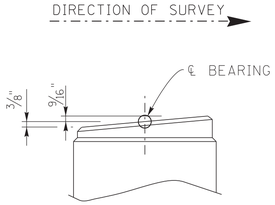
PLAN



ELEVATION
(LOOKING FORWARD ON SURVEY)



END ELEVATION



RISER BLOCK SLOPE DETAIL

(TYP. ALONG ℄ BEAM)

GENERAL NOTES

NOTE: WHEN POURING CAP BEAM, PROVISIONS SHALL BE MADE FOR SETTING ANCHOR BOLTS. SEE STANDARD DRAWING STD-6-1. BOLT PROJECTION 11".

NOTE: RISER BLOCKS SHALL BE POURED MONOLITHICALLY WITH PIER CAP.

NOTE: RISER BLOCK BEARING SURFACE SHALL CONFORM TO BOTTOM OF BEAM GRADE.

NOTE: ELASTOMERIC PADS SHALL BE IN PLACE A MINIMUM OF ONE DAY BEFORE BEING DISTURBED BY SETTING BEAMS ON CONCRETE. PLACE RUBBER BONDING CEMENT IN SUCH A WAY THAT VISIBLE CONCRETE SURFACES WILL NOT BE STAINED.

NOTE: SEE DWG. U-95-635 FOR COLUMN STEEL PROJECTION INTO PIER CAP.

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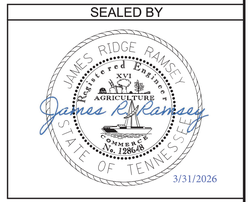


PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: T. WISEMAN DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

BRIDGE NO. 2
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
PIER NO. 2
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-634

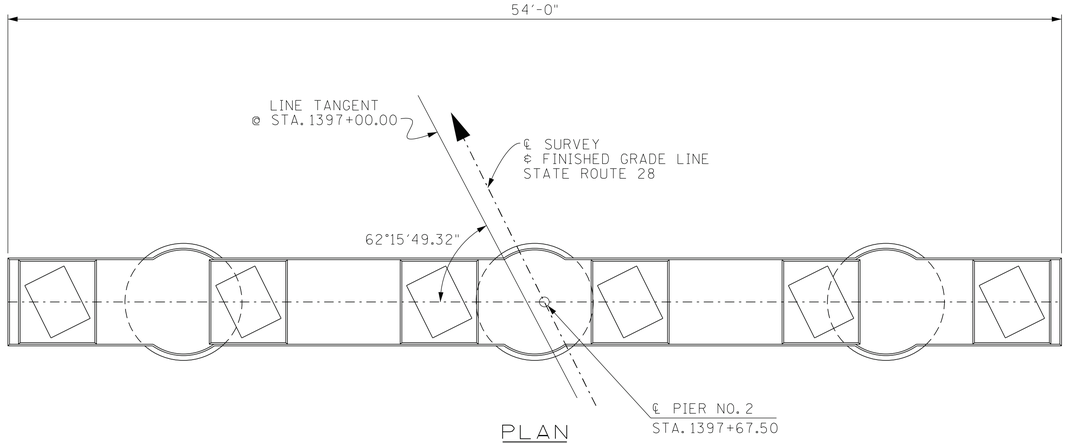
3/19/2026 11:06:30 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

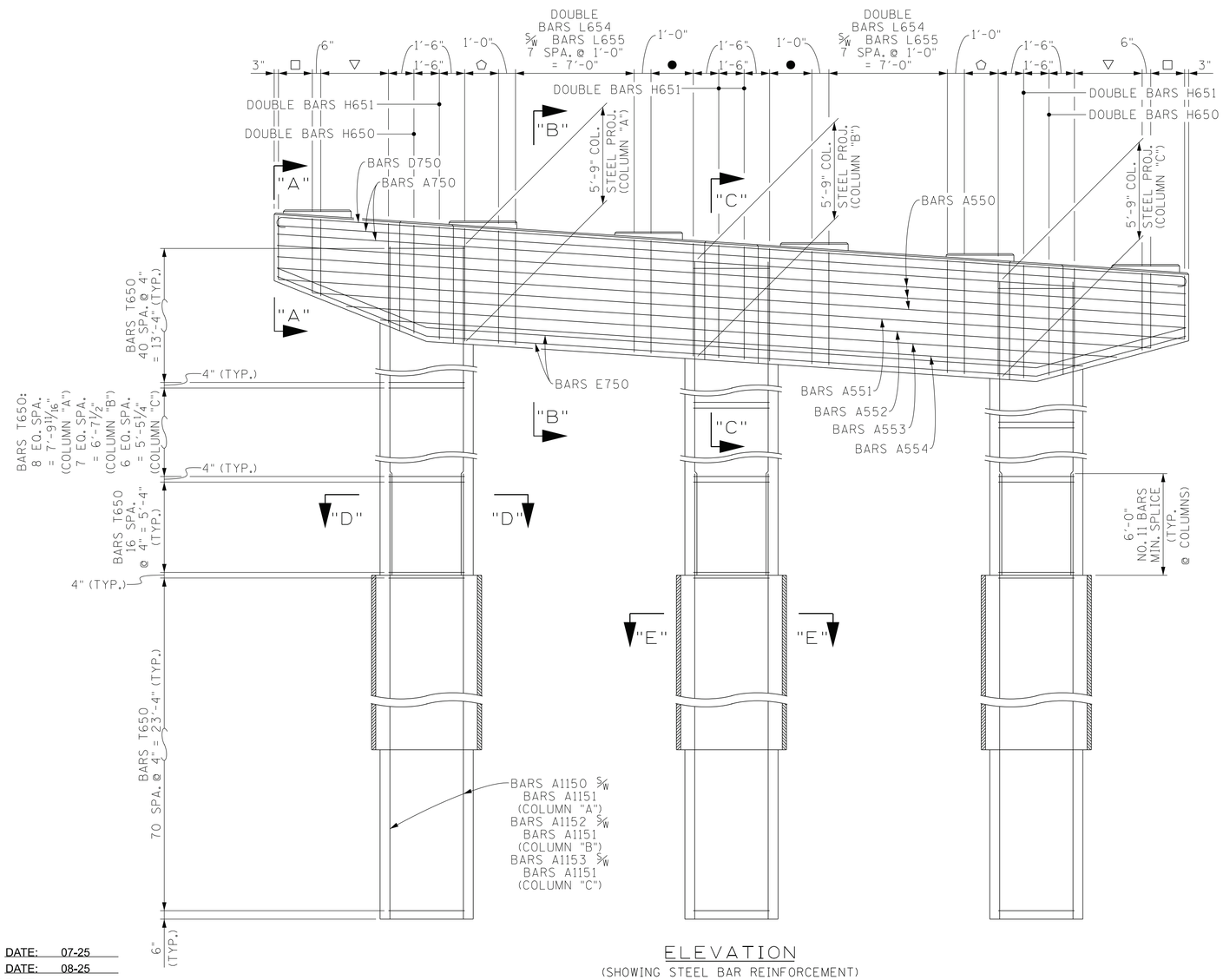
REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

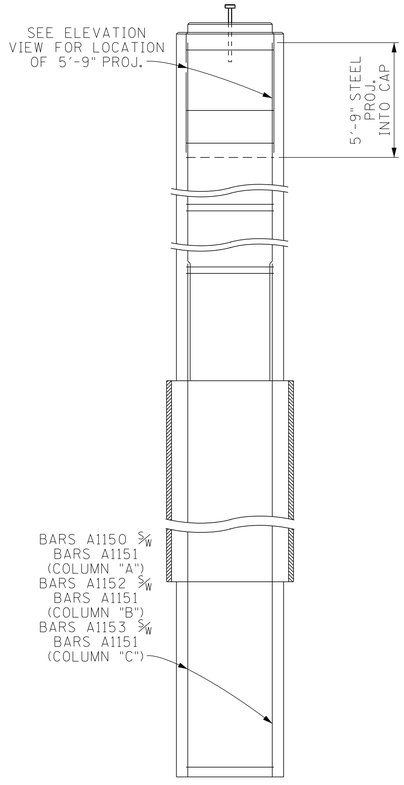


PLAN

□ DENOTES: DOUBLE SERIES BARS L650 S/W SERIES BARS L651
2 SPA. @ 1'-0" = 2'-0"
▽ DENOTES: DOUBLE SERIES BARS L652 S/W SERIES BARS L653
8 SPA. @ 6" = 4'-0"
⬠ DENOTES: DOUBLE BARS L654 S/W BARS L655
4 SPA. @ 6" = 2'-0"
● DENOTES: DOUBLE BARS L654 S/W BARS L655
5 SPA. @ 6" = 2'-6"



ELEVATION
(SHOWING STEEL BAR REINFORCEMENT)



END ELEVATION

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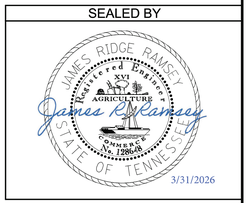


BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PIER NO. 2 DETAILS
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-635

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: T. WISEMAN DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

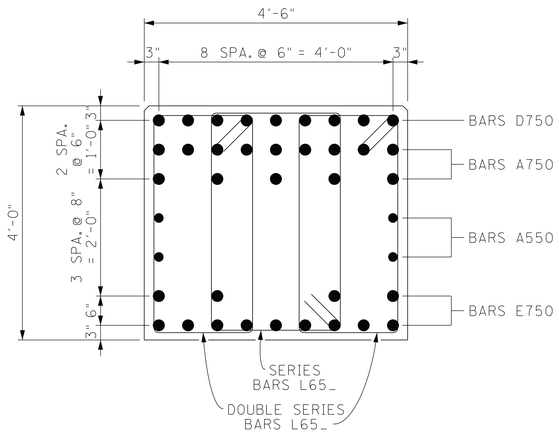
3/19/2026 11:07:44 AM

CONST. NO.: 18008-3230-14

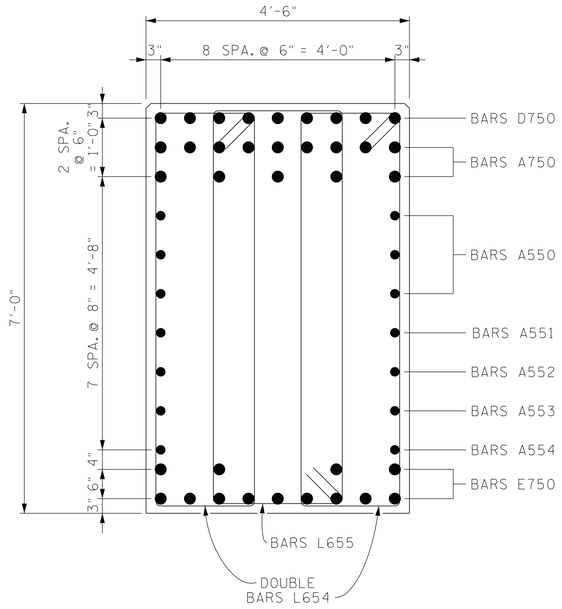
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

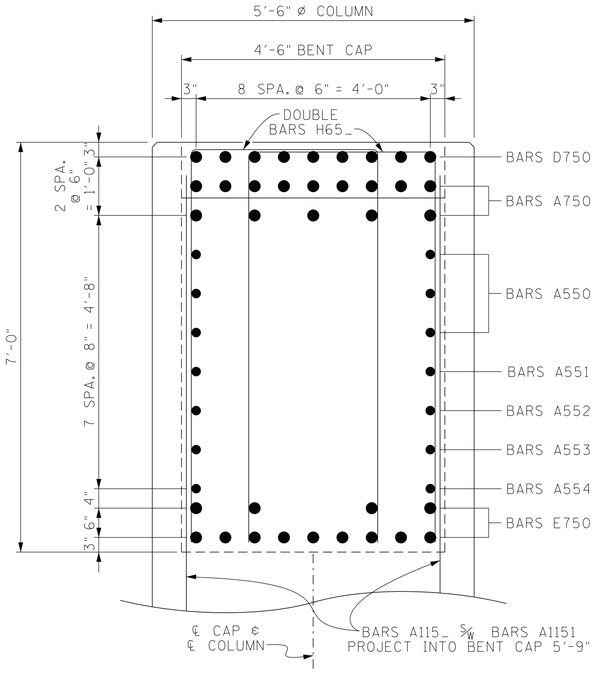
NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		



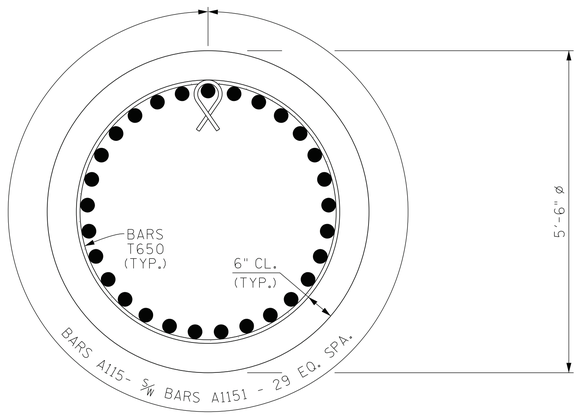
SECTION "A"-"A"
(TYP. @ END OF CAP)



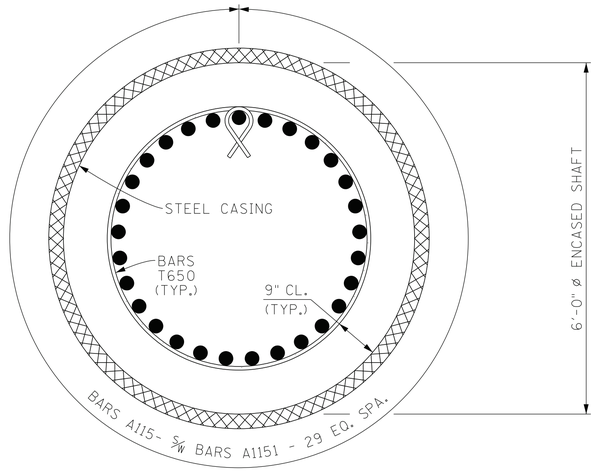
SECTION "B"-"B"
(TYP. BETWEEN COLUMNS)



SECTION "C"-"C"
(TYP. @ COLUMNS)



SECTION "D"-"D"
(TYP. @ COLUMNS & ROCK SOCKETS)



SECTION "E"-"E"
(SHOWING PERMANENT STEEL CASING)
(TYP. @ ENCASED SHAFTS)

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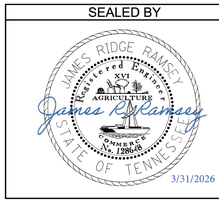


BRIDGE NO. 2
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
PIER NO. 1 AND NO. 2 DETAILS
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-636

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: T. WISEMAN DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

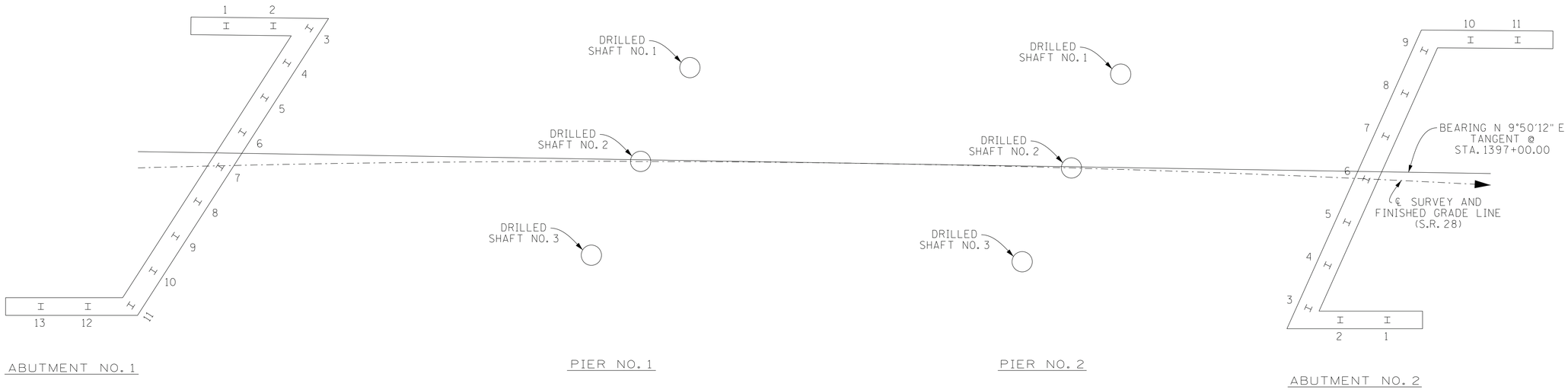
3/19/2026 11:10:16 AM

CONST. NO.: 18008-3230-14

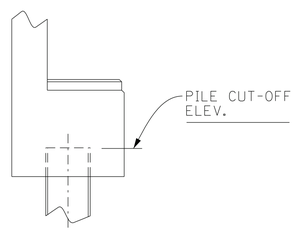
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

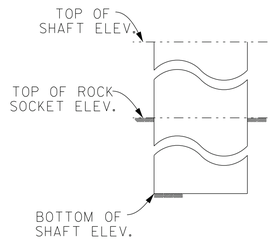
NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		



ABUTMENT NO. 1 | PIER NO. 1 | PIER NO. 2 | ABUTMENT NO. 2

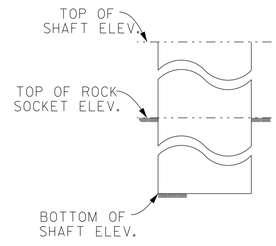


ABUTMENT NO. 1



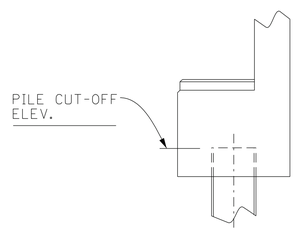
PIER NO. 1

DRILLED SHAFT NO. 1	TOP OF SHAFT ELEV.	
	TOP OF ROCK SOCKET ELEV.	
	BOTTOM OF SHAFT ELEV.	
DRILLED SHAFT NO. 2	TOP OF SHAFT ELEV.	
	TOP OF ROCK SOCKET ELEV.	
	BOTTOM OF SHAFT ELEV.	
DRILLED SHAFT NO. 3	TOP OF SHAFT ELEV.	
	TOP OF ROCK SOCKET ELEV.	
	BOTTOM OF SHAFT ELEV.	



PIER NO. 2

DRILLED SHAFT NO. 1	TOP OF SHAFT ELEV.	
	TOP OF ROCK SOCKET ELEV.	
	BOTTOM OF SHAFT ELEV.	
DRILLED SHAFT NO. 2	TOP OF SHAFT ELEV.	
	TOP OF ROCK SOCKET ELEV.	
	BOTTOM OF SHAFT ELEV.	
DRILLED SHAFT NO. 3	TOP OF SHAFT ELEV.	
	TOP OF ROCK SOCKET ELEV.	
	BOTTOM OF SHAFT ELEV.	



ABUTMENT NO. 2

TABLE OF PILE DATA

		1	2	3	4	5	6	7	8	9	10	11	12	13
ABUT. NO. 1	PILE CUT-OFF ELEV.													
	PILE TIP ELEV.													
	IN PLACE PILE LENGTH													
ABUT. NO. 2	PILE CUT-OFF ELEV.													
	PILE TIP ELEV.													
	IN PLACE PILE LENGTH													

NOTE: TO CONTRACTOR AND CONSTRUCTION OFFICE:
THE BLANKS ON THIS SHEET ARE TO BE FILLED IN BY THE CONSTRUCTION OFFICE AND/OR FIELD ENGINEER GIVING AS BUILT CONDITIONS. AFTER COMPLETION, IT IS TO BE SENT TO THE DIVISION OF STRUCTURES TO BECOME PART OF FINAL BRIDGE DOCUMENTS.

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: J. STEVENS DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

FINAL FOUNDATION DATA
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-637

3/20/2026 5:39:58 PM

BILL OF STEEL

SUPERSTUCTURE (EPOXY)

BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A500E	SLAB	5	112					33'-0"
A501E	SLAB	5	336					60'-0"
A502E	SLAB	5	1,370					49'-0"
SERIES								
A503E	SLAB	5	2					1281'-3"
				VARIES FROM 4'-5" TO 48'-11 5/8" IN INCS OF 11 3/8" (48 BARS)				
SERIES								
A504E	SLAB	5	2					1180'-11"
				VARIES FROM 4'-8" TO 49'-0 1/8" IN INCS OF 1'-0 3/8" (44 BARS)				
A505E	SLAB	5	108					39'-0"
A506E	SLAB	5	54					30'-0"
A600E	SLAB	6	54					26'-8"
A700E	SLAB	7	162					60'-0"
A701E	SLAB	7	114					40'-0"
A702E	SLAB	7	88					30'-0"
A703E	SLAB	7	98					20'-0"
A900E	SLAB	9	180					40'-0"
A901E	SLAB	9	11					20'-0"
A902E	SLAB	9	92					55'-0"
B570E	SLAB/RAIL	5	2,404	2'-8"				3'-3"

SUPERSTUCTURE (REGULAR)

BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A500	DIAPHRAGM	5	140					6'-6"
CD500	DIAPHRAGM	5	28	3'-11"	3'-0"	2'-0"		6'-11"
CD501	DIAPHRAGM	5	28	3'-5"	3'-0"	2'-0"		6'-5"
F500	DIAPHRAGM	5	112	3'-0"	2'-10 1/2"	3'-0"	2'-11"	10'-2"
L400	DIAPHRAGM	4	70	1'-2"	5'-8"			14'-5"
L401	DIAPHRAGM	4	24	1'-2"	1'-2"			5'-5"

ABUTMENT NO. 1 (EPOXY)

BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A640E	ENDWALL	6	2					57'-11"
A641E	ENDWALL	6	116					6'-3"
A643E	BEAM STOP	6	36					6'-3"
B570E	WINGWALLS/PARAPET	5	60	2'-8"				3'-3"
B640E	ENDWALL	6	2	5'-0"				5'-8"
F640E	P.A.B.E.	6	55	1'-1"	1'-3"	1'-1"	1'-3"	4'-0"
H400E	WINGWALLS/PARAPET	4	12	0'-10 1/2"	3'-11"			8'-9"
H401E	WINGWALLS/PARAPET	4	2	0'-9 7/8"	3'-10"			8'-6"
H402E	WINGWALLS/PARAPET	4	2	0'-8 3/4"	3'-9"			8'-3"
H403E	WINGWALLS/PARAPET	4	2	0'-7 5/8"	3'-8"			8'-0"
H404E	WINGWALLS/PARAPET	4	2	0'-6 1/2"	3'-7"			7'-9"
SERIES								
HD400E	WINGWALLS/PARAPET	4	2	*	3'-11"	4'-0"	0'-9"	33'-3"
				DIM. "A" VARIES FROM 3 3/4" TO 5 7/8" IN INC. OF 11/16" (4 BARS)				
SERIES								
HD401E	WINGWALLS/PARAPET	4	2	*	3'-11"	4'-0"	0'-9"	43'-1"
				DIM. "A" VARIES FROM 6 1/2" TO 10" IN INC. OF 7/8" (5 BARS)				
R640E	SLAB/ENDWALL	6	54	4'-9"	5'-4"			10'-1"

ABUTMENT NO. 1 (REGULAR)

BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A440	ROADWAY BRACKET	4	1					54'-4"
A441	WINGWALL	4	19					6'-8"
A442	WINGWALL	4	8					20'-0"
A443	WINGWALL	4	18					7'-2"
A444	WINGWALL	4	8					19'-9"
A540	ABUTMENT BEAM	5	2					59'-8"
A541	WING BEAM	5	2					22'-2"
A542	WING BEAM	5	2					21'-2"
A640	ENDWALL	6	14					57'-11"
A642	ENDWALL/ABUTMENT BEAM	6	8					4'-6"
A644	WINGWALL	6	19					6'-8"
A645	WINGWALL	6	8					20'-9"
A646	WINGWALL	6	18					7'-2"
A647	WINGWALL	6	8					19'-2"
A740	ABUTMENT BEAM	7	14					59'-8"
A741	WING BEAM	7	10					22'-2"
A742	WING BEAM	7	10					21'-2"
B640	ENDWALL	6	14	5'-0"				5'-8"
H540	ENDWALL/ROADWAY BRACKET	5	53	2'-2"	0'-6"			3'-2"
H640	ENDWALL/ABUTMENT BEAM	6	54	1'-2"	4'-6"			10'-2"
H642	WINGWALL/WING BEAM	6	37	1'-2"	3'-7"			8'-4"
HA640	BEAM STOP	6	42	2'-6"	2'-10"	1'-4"		6'-8"
L540	ABUTMENT BEAM	5	48	2'-8"	3'-5"			13'-2"
L541	WING BEAM	5	34	2'-8"	2'-8"			11'-8"
VA840	PILES	8	18	2'-6"	2'-6"			5'-0"

ABUTMENT NO. 2 (EPOXY)

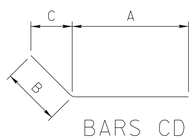
BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A640E	ENDWALL	6	2	0	0.0000	0.0000	0.0000	53'-8"
A641E	ENDWALL	6	110	0.0000	0.0000	0.0000	0.0000	6'-9"
A643E	BEAM STOP	6	36	0.0000	0.0000	0.0000	0.0000	6'-6"
B570E	WINGWALLS/PARAPET	5	62	2'-8"	0.0000	0.0000	0.0000	3'-3"
B640E	ENDWALL	6	2	5'-0"	0.0000	0.0000	0.0000	5'-8"
F640E	P.A.B.E.	6	51	1'-1"	1'-3"	1'-1"	1'-3"	4'-0"
H400E	WINGWALLS/PARAPET	4	6	0'-10 1/2"	3'-11"	0.0000	0.0000	8'-9"
H401E	WINGWALLS/PARAPET	4	2	0'-9 7/8"	3'-10"	0.0000	0.0000	8'-6"
H402E	WINGWALLS/PARAPET	4	2	0'-8 3/4"	3'-9"	0.0000	0.0000	8'-3"
H403E	WINGWALLS/PARAPET	4	2	0'-7 5/8"	3'-8"	0.0000	0.0000	8'-0"
H404E	WINGWALLS/PARAPET	4	2	0'-6 1/2"	3'-7"	0.0000	0.0000	7'-9"
SERIES								
HD400E	WINGWALLS/PARAPET	4	2	*	3'-11"	4'-0"	0'-9"	33'-3"
				DIM. "A" VARIES FROM 3 3/4" TO 5 7/8" IN INC. OF 11/16" (4 BARS)				
SERIES								
HD401E	WINGWALLS/PARAPET	4	2	*	3'-11"	4'-0"	0'-9"	43'-1"
				DIM. "A" VARIES FROM 6 1/2" TO 10" IN INC. OF 7/8" (5 BARS)				
R640E	SLAB/ENDWALL	6	51	4'-9"	5'-4"			10'-1"

ABUTMENT NO. 2 (REGULAR)

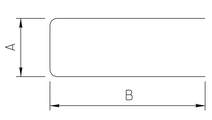
BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A440	ROADWAY BRACKET	4	1					50'-4"
A441	WINGWALL	4	19					7'-4"
A442	WINGWALL	4	9					20'-0"
A443	WINGWALL	4	18					7'-0"
A444	WINGWALL	4	9					20'-0"
A540	ABUTMENT BEAM	5	2					55'-4"
A541	WING BEAM	5	2					22'-2"
A542	WING BEAM	5	2					21'-5"
A640	ENDWALL	6	14					53'-8"
A642	ENDWALL/ABUTMENT BEAM	6	8					4'-2"
A644	WINGWALL	6	19					7'-4"
A645	WINGWALL	6	9					20'-3"
A646	WINGWALL	6	18					7'-0"
A647	WINGWALL	6	9					19'-3"
A740	ABUTMENT BEAM	7	14					55'-4"
A741	WING BEAM	7	10					20'-6"
A742	WING BEAM	7	10					21'-5"
B640	ENDWALL	6	14	5'-0"				5'-8"
H540	ENDWALL/ROADWAY BRACKET	5	50	2'-2"	0'-6"			3'-2"
H640	ENDWALL/ABUTMENT BEAM	6	51	1'-2"	4'-2"			9'-6"
H641	WINGWALL/WING BEAM	6	37	1'-2"	4'-0"			9'-2"
HA640	BEAM STOP	6	42	2'-6"	2'-5"	1'-4"		6'-3"
L540	ABUTMENT BEAM	5	48	2'-8"	3'-5"			13'-2"
L541	WING BEAM	5	34	2'-8"	2'-8"			11'-8"
VA840	PILES	8	14	2'-6"	2'-6"			5'-0"



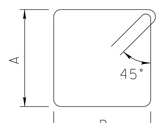
BARS A



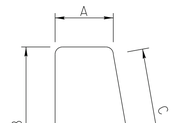
BARS CD



BARS H



BARS L

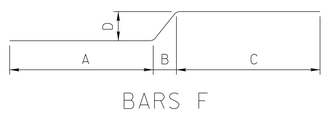


BARS HD

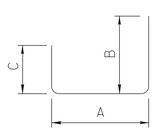
BARS VA



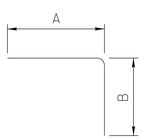
BARS B



BARS F



BARS HA



BARS R

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

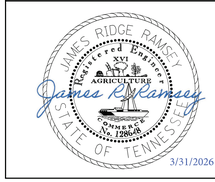
REINFORCING STEEL CODE

TYPE	SIZE	SERIES
A	5	06

NOTE: DIMENSIONS SHOWN ON THIS SHEET ARE OUTSIDE TO OUTSIDE OF BAR. STANDARD C.R.S.I. HOOK DETAILS SHALL APPLY, EXCEPT AS NOTED.

NOTE: THE SUFFIX E FOR BARS SO MARKED DENOTES EPOXY COATED REINFORCEMENT.

SEALED BY



PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: J. STEVENS DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BILL OF STEEL
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-638

3/23/2026 10:22:53 AM

BILL OF STEEL

PIER NO. 1

BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A550	CAP	5	6					53'-9"
A551	CAP	5	2					53'-6"
A552	CAP	5	2					49'-6"
A553	CAP	5	2					45'-6"
A554	CAP	5	2					41'-6"
A750	CAP	7	14					53'-9"
A1150	CAP/COLUMN	11	29					56'-6"
A1152	CAP/COLUMN	11	29					55'-6"
A1153	CAP/COLUMN	11	29					54'-6"
D750	CAP	7	9	53'-9"				55'-'5"
E750	CAP	7	13	*	*	*	*	54'-7"
H650	CAP	6	4	3'-2"	6'-5"			16'-0"
H651	CAP	6	8	3'-2"	6'-8"			16'-6"
0								
L650	CAP	6	4	*	1'-8"			38'-6"
				* LENGTH VARIES FROM 3'-8 7/8" TO 4'-4 7/8" IN INC. OF 4" (3 BARS)				
L650								
L651	CAP	6	2	*	2'-2"			41'-6"
				* LENGTH VARIES FROM 3'-8 7/8" TO 4'-4 7/8" IN INC. OF 4" (3 BARS)				
L651								
L652	CAP	6	4	*	1'-8"			136'-4"
				* LENGTH VARIES FROM 4'-6 7/8" TO 5'-107/8" IN INC. OF 2" (9 BARS)				
L652								
L653	CAP	6	2	*	2'-2"			145'-4"
				* LENGTH VARIES FROM 4'-6 7/8" TO 5'-107/8" IN INC. OF 2" (9 BARS)				
L654	CAP	6	76	6'-8"	1'-8"			18'-0"
L655	CAP	6	38	6'-8"	2'-2"			19'-0"
T650	CAP/COLUMNS	6	309	4'-6"				15'-6"

PIER NO. 1 - DRILLED SHAFT

BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A1151	SHAFTS	11	87					37'-0"
T650	SHAFTS	6	276	4'-6"				15'-6"

PIER NO. 2

BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A550	CAP	5	6					53'-9"
A551	CAP	5	2					53'-6"
A552	CAP	5	2					49'-6"
A553	CAP	5	2					45'-6"
A554	CAP	5	2					41'-6"
A750	CAP	7	14					53'-9"
A1150	CAP/COLUMN	11	29					27'-7"
A1152	CAP/COLUMN	11	29					26'-6"
A1153	CAP/COLUMN	11	29					25'-4"
D750	CAP	7	9	53'-9"				55'-5"
E750	CAP	7	13	*	*	*	*	54'-7"
H650	CAP	6	4	3'-2"	6'-5"			16'-0"
H651	CAP	6	8	3'-2"	6'-8"			16'-6"
0								
L650	CAP	6	4	*	1'-8"			38'-6"
				* LENGTH VARIES FROM 3'-8 7/8" TO 4'-4 7/8" IN INC. OF 4" (3 BARS)				
L650								
L651	CAP	6	2	*	2'-2"			41'-6"
				* LENGTH VARIES FROM 3'-8 7/8" TO 4'-4 7/8" IN INC. OF 4" (3 BARS)				
L651								
L652	CAP	6	4	*	1'-8"			136'-4"
				* LENGTH VARIES FROM 4'-6 7/8" TO 5'-107/8" IN INC. OF 2" (9 BARS)				
L652								
L653	CAP	6	2	*	2'-2"			145'-4"
				* LENGTH VARIES FROM 4'-6 7/8" TO 5'-107/8" IN INC. OF 2" (9 BARS)				
L654	CAP	6	76	6'-8"	1'-8"			18'-0"
L655	CAP	6	38	6'-9"	2'-2"			19'-0"
T650	CAP/COLUMNS	6	198	4'-6"				15'-6"

PIER NO. 2 - DRILLED SHAFT

BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A1151	SHAFTS	11	87					37'-0"
T650	SHAFTS	6	213	4'-6"				15'-6"



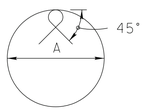
BARS A



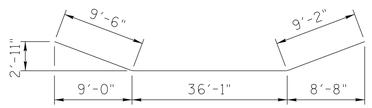
BARS D



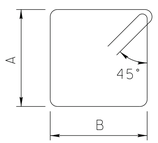
BARS H



BARS T



*BARS E



BARS L

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

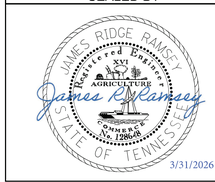
REINFORCING STEEL CODE

TYPE	SIZE	SERIES
A	5	06

NOTE: DIMENSIONS SHOWN ON THIS SHEET ARE OUTSIDE TO OUTSIDE OF BAR. STANDARD C.R.S.I. HOOK DETAILS SHALL APPLY, EXCEPT AS NOTED.

NOTE: THE SUFFIX E FOR BARS SO MARKED DENOTES EPOXY COATED REINFORCEMENT.

SEALED BY



BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BILL OF STEEL
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+75.00
CUMBERLAND COUNTY

U-95-639

PIN NO.: 100260.03
DESIGN BY: RIDGE RAMSEY DATE: 07-25
DRAWN BY: J. STEVENS DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: D. BERWARY DATE: 02-26

3/23/2026 10:25:11 AM

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

LEANNA S. WHITWELL REGISTERED ENGINEER AGRICULTURE No. 106627 STATE OF TENNESSEE

Leanna Whitwell Digitally signed by Leanna Whitwell
Date: 2026.02.27 12:30:01 -05'00'

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

TTL, INC.

624 GRASSMERE PARK, SUITE 14
NASHVILLE, TN 37211
LEANNA S. WHITWELL, P.E. NO. 00106627

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

SHEET NAME	SHEET NO.
SIGNATURE SHEET	GEOTECH - SIGN1
GEOTECHNICAL PLANS	G2-G46

YEAR	PROJECT NO.	SHEET NO.
2026	STP/NH/HPP-28(32)	GEOTECH-SIGN1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G1
PS&E	2026	STP/NH/HPP-28(32)	G1

GEOTECHNICAL INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEET	GEOTECH - SIGN1
GEOTECHNICAL INDEX	G1
GEOTECHNICAL NOTES AND TABULATED QUANTITIES SHEET	G2
GEOTECHNICAL BORING LAYOUT STATION 1282+00.00 TO STATION 1290+00.00	G3
GEOTECHNICAL BORING PROFILE STATION 1282+00.00 TO STATION 1290+00.00	G4
GEOTECHNICAL BORING LAYOUT STATION 1290+00.00 TO STATION 1303+00.00	G5
GEOTECHNICAL BORING PROFILE STATION 1290+00.00 TO STATION 1303+00.00	G6
GEOTECHNICAL BORING LAYOUT STATION 1303+00.00 TO STATION 1316+00.00	G7
GEOTECHNICAL BORING PROFILE STATION 1303+00.00 TO STATION 1316+00.00	G8
GEOTECHNICAL BORING LAYOUT STATION 1316+00.00 TO STATION 1329+00.00	G9
GEOTECHNICAL BORING PROFILE STATION 1316+00.00 TO STATION 1329+00.00	G10
GEOTECHNICAL BORING LAYOUT STATION 1329+00.00 TO STATION 1342+00.00	G11
GEOTECHNICAL BORING PROFILE STATION 1329+00.00 TO STATION 1342+00.00	G12
GEOTECHNICAL BORING LAYOUT STATION 1342+00.00 TO STATION 1355+00.00	G13
GEOTECHNICAL BORING PROFILE STATION 1342+00.00 TO STATION 1355+00.00	G14
GEOTECHNICAL BORING LAYOUT STATION 1355+00.00 TO STATION 1367+50.00	G15
GEOTECHNICAL BORING PROFILE STATION 1355+00.00 TO STATION 1367+50.00	G16
GEOTECHNICAL BORING LAYOUT STATION 1367+50.00 TO STATION 1380+50.00	G17
GEOTECHNICAL BORING PROFILE STATION 1367+50.00 TO STATION 1380+50.00	G18
GEOTECHNICAL BORING LAYOUT STATION 1380+50.00 TO STATION 1393+00.00	G19
GEOTECHNICAL BORING PROFILE STATION 1380+50.00 TO STATION 1393+00.00	G20
GEOTECHNICAL BORING LAYOUT STATION 1393+00.00 TO STATION 1406+00.00	G21
GEOTECHNICAL BORING PROFILE STATION 1393+00.00 TO STATION 1406+00.00	G22
GEOTECHNICAL BORING LAYOUT STATION 1406+00.00 TO STATION 1419+00.00	G23
GEOTECHNICAL BORING PROFILE STATION 1406+00.00 TO STATION 1419+00.00	G24
GEOTECHNICAL BORING LAYOUT STATION 1419+00.00 TO STATION 1431+50.00	G25
GEOTECHNICAL BORING PROFILE STATION 1419+00.00 TO STATION 1431+50.00	G26
GEOTECHNICAL BORING LAYOUT STATION 1431+50.00 TO STATION 1443+15.00	G27
GEOTECHNICAL BORING PROFILE STATION 1431+50.00 TO STATION 1443+15.00	G28
GEOTECHNICAL TYPICAL SECTIONS	G29 - G33
GEOTECHNICAL DETAILS	G34 - G36
GEOTECHNICAL TYPICAL SECTIONS - HAUL ROADS	G37 - G40
GEOTECHNICAL BORING LAYOUT SLOPE MINE	G41
GEOTECHNICAL BORING LAYOUT PROFILE SLOPE MINE	G42 - G45
GEOTECHNICAL GENERALIZED SLOPE MINE DETAIL	G46

SEALED BY

LEANNA S. WHITWELL
REGISTERED ENGINEER
No. 106631
STATE OF TENNESSEE
5-31-2026

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

GEOTECHNICAL INDEX

CELL BDRSG
$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G2
PS&E	2026	STP/NH/HPP-28(32)	G2

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 SECTION 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 APPROXIMATE .05 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. SOILD ROCK MATERIAL

SOILD 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 SAMLL 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 GEOLOGIC FORMATION RESULTING IN PINNACLED ROCK COLUMNS, FLOATING BOULDERS OR LENSES INTERCALATED WITH CLAY SOIL, A COMMON OCCURRENCE IN CERTAIN REGIONS OF TENNESSEE). FOR CONSTRUCTION PURPOSES, THIS MATERIAL MAY HAVE TO BE EXCAVATED USING A COMBINATION OF EXCAVATION METHODS SUCH AS BLASTING OF ROCK PINNACLES, LAYERS OR BOULDERS ALONG WITH A RIPPING OF WEATHERED ROCK AND EXCAVATING OF SOIL WITH TRACK HOES OR LOADERS ALL WITHIN A LOCALIZED AREA. THIS MATERIAL WOULD NOT BE SUITABLE FOR THE USE OF EXCAVATING PAN TYPE EQUIPMENT.

TABULATED GEOTECHNICAL QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(1) (2)	203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	38,167
(1) (2)	203-05	UNDERCUTTING	C.Y.	9,994
(1) (2)	740-10.04	GEOTEXTILE (TYPE IV) (STABILIZATION)	S.Y.	38,786

FOOTNOTES:

(1) THIS ITEM IS TO BE USED AS DELINEATED ON THE PLANS AND AS SHOWN UNDER NOTES OR OTHERWISE AS DIRECTED BY THE ENGINEER FOR THE STABILIZATION OF SUBGRADE.

(2) FOR BIDDING PURPOSES, THESE QUANTITIES ARE INCLUDED IN THE SHEET 2 SERIES.

NOTES

ELEVATIONS FOR BORINGS SHOWN ON PROFILES AND TYPICALS WERE UPDATED USING THE MOST RECENT CROSS SECTIONS.

NO BORINGS WERE DRILLED BETWEEN:
* STATION 1405+08 TO STATION 1410+92
* STATION 1428+93 TO STATION 1443+15.11

UNDERCUTTING WILL BE REQUIRED FROM:
* STATION 1287+50 TO STATION 1290+00
* STATION 1358+00 TO STATION 1360+50
* STATION 1400+15 TO STATION 1400+85
* STATION 1420+75 TO STATION 1422+25

GRADED SOLID ROCK PADS WILL BE REQUIRED FROM:
* STATION 1287+50 TO STATION 1290+00
* STATION 1291+00 TO STATION 1293+00
* STATION 1301+50 TO STATION 1303+00
* STATION 1305+75 TO STATION 1306+75
* STATION 1358+00 TO STATION 1360+50
* STATION 1400+15 TO STATION 1400+85
* STATION 1420+75 TO STATION 1422+25
* STATION 1431+00 TO STATION 1432+50

SEALED BY

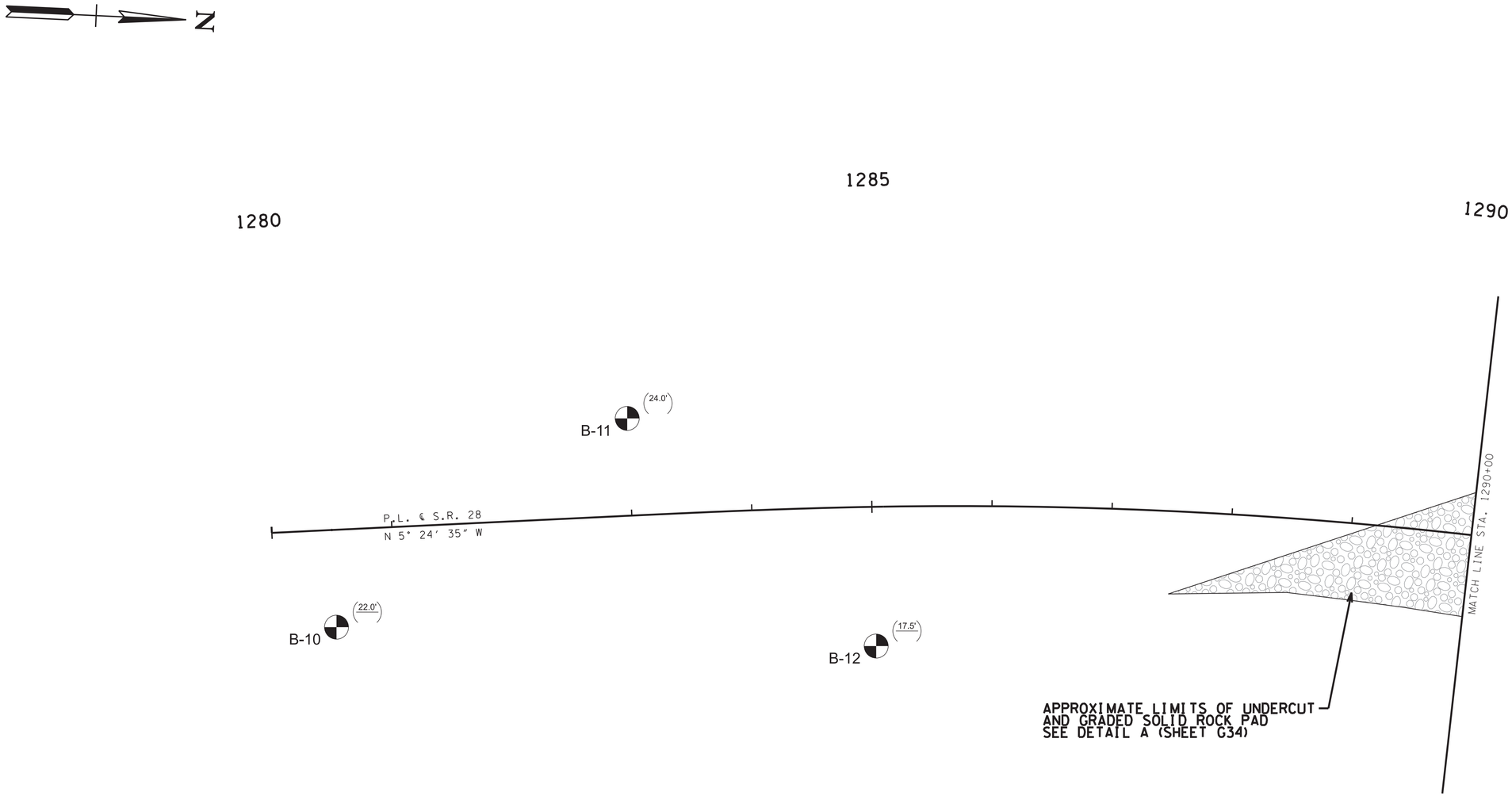
LEANNA S. WHITWELL
REGISTERED ENGINEER
No. 106621
STATE OF TENNESSEE
8-5-2026

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

GEOTECHNICAL
NOTES &
TAB. QTYS.

CELL BDRSG
$$$$SYTIME$$$$$$$
$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G3
PS&E	2026	STP/NH/HPP-28(32)	G3



BORING LOCATIONS				
BORING NO.	OLD		NEW	
	STATION	OFFSET	STATION	OFFSET
B-10	280+50	81' RT	1280+50	81' RT
B-11	283+00	81' LT	1283+00	81' LT
B-12	285+00	117' RT	1290+55	116' RT

BORING NO.	SAMPLE DEPTH (FEET)	STATION LOCATION	DESCRIPTION	PROCTOR MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	COMPACTIABLE MOISTURE RANGE (%)	LL	PI	NATURAL MOISTURE CONTENT (%)	AASHTO CLASSIFICATION	USCS CLASSIFICATION	CBR VALUE
B-12	0-12	1285+00, 115' RT OF CL	BROWN SANDY CLAY	112	17	15 TO 19	37	17	12	A-6	CL	--

LEGEND

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

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

SEALED BY

LEANNA S. WHITWELL
REGISTERED ENGINEER
AGRICULTURE
No. 106631
STATE OF TENNESSEE
Leanna Whitwell
1/31/2026

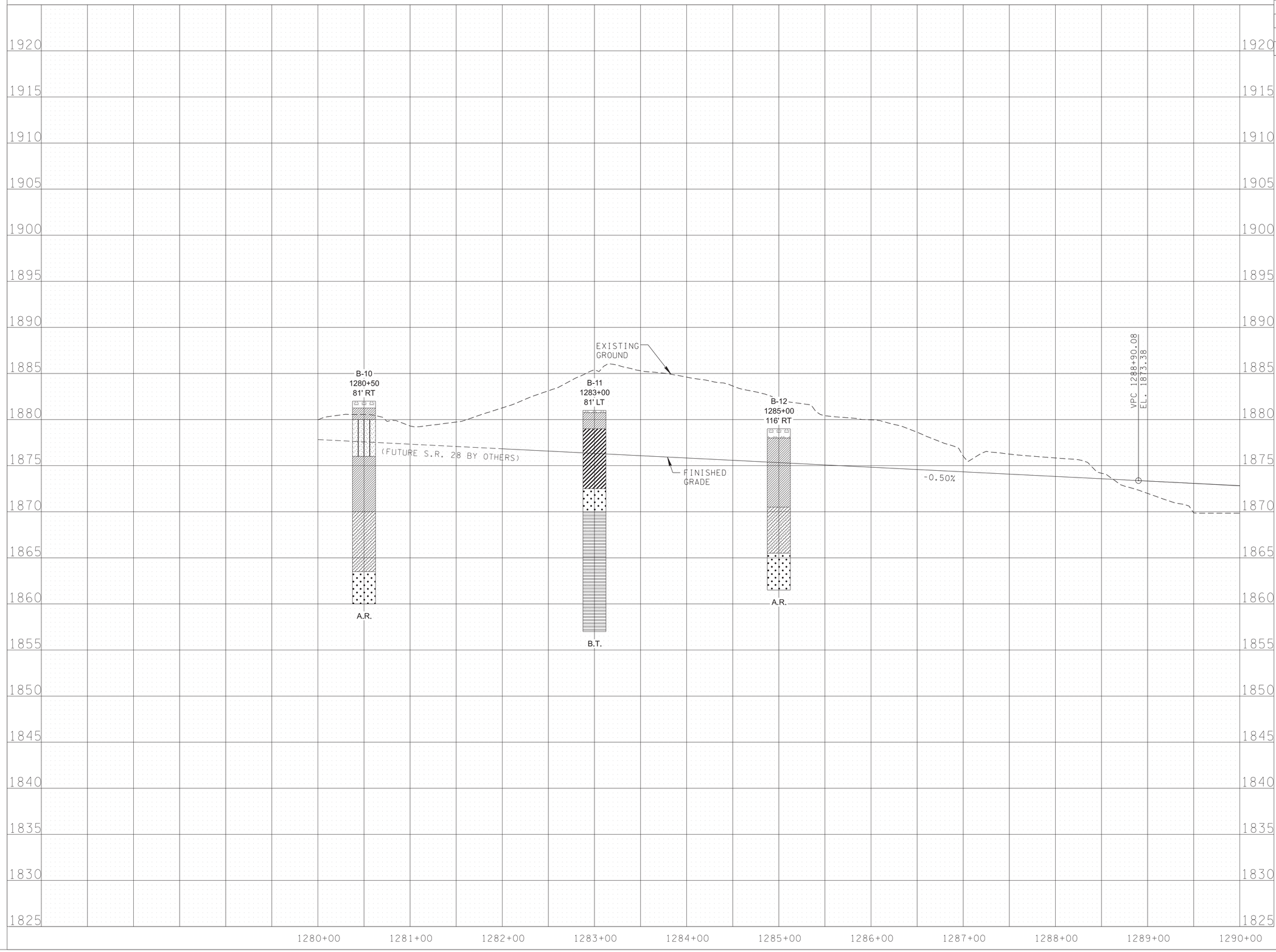
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1280+00 TO STA. 1290+00
SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G4
PS&E	2026	STP/NH/HPP-28(32)	G4



LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
- FAT CLAY (TYPE A MATERIAL)
- ELASTIC SILT (TYPE A MATERIAL)
- CLAYEY SAND (TYPE A MATERIAL)
- SANDSTONE (TYPE C MATERIAL)
- SHALE AND SANDSTONE (TYPE C MATERIAL)
- SILTY SAND (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN CLAY (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN SAND (TYPE A MATERIAL)
- COAL (TYPE C MATERIAL)
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

SEALED BY

LEANNA S. WHITWELL
REGISTERED ENGINEER
No. 109667
STATE OF TENNESSEE
AGRICULTURE COMMERCE
Leanna Whitwell
6-11-2026

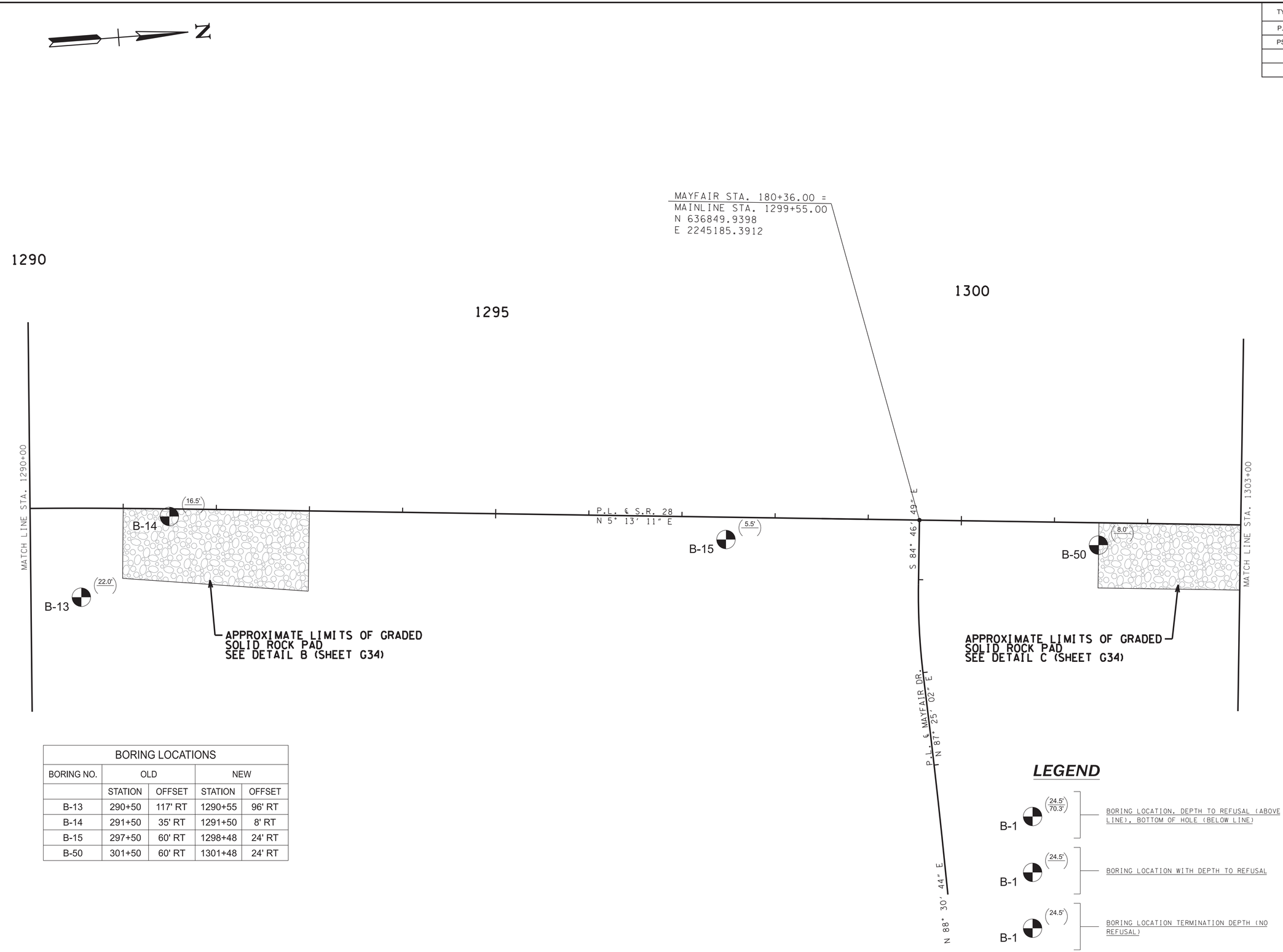
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

STA. 1280+00 TO STA. 1290+00
SCALE: 1"=50' HORIZ. 1"=5' VERT.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G5
PS&E	2026	STP/NH/HPP-28(32)	G5



BORING LOCATIONS				
BORING NO.	OLD		NEW	
	STATION	OFFSET	STATION	OFFSET
B-13	290+50	117' RT	1290+55	96' RT
B-14	291+50	35' RT	1291+50	8' RT
B-15	297+50	60' RT	1298+48	24' RT
B-50	301+50	60' RT	1301+48	24' RT

LEGEND

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

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

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5-1-2026

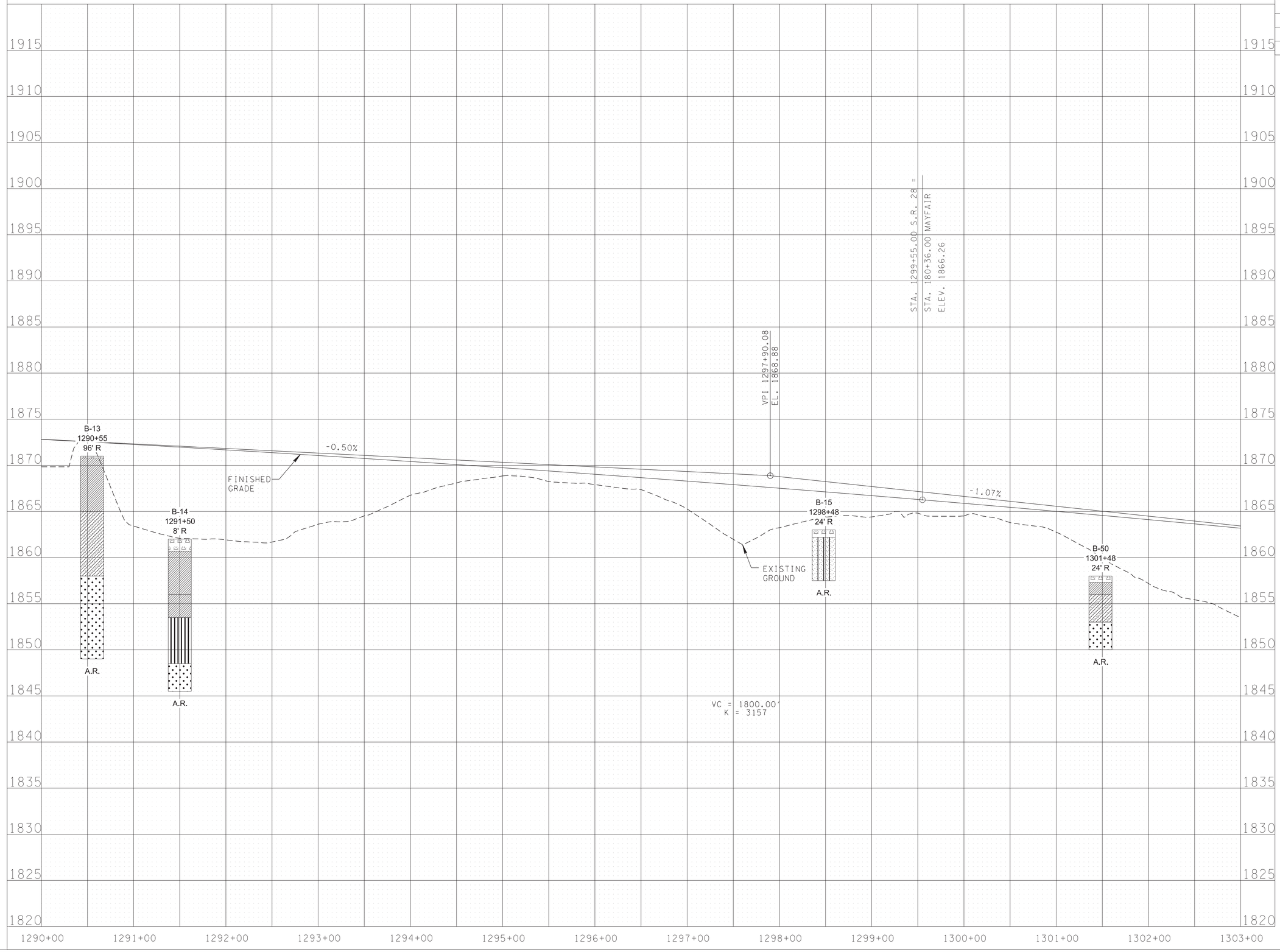
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1290+00 TO STA. 1303+00
SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G6
PS&E	2026	STP/NH/HPP-28(32)	G6



LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
- FAT CLAY (TYPE A MATERIAL)
- ELASTIC SILT (TYPE A MATERIAL)
- CLAYEY SAND (TYPE A MATERIAL)
- SANDSTONE (TYPE C MATERIAL)
- SHALE AND SANDSTONE (TYPE C MATERIAL)
- SILTY SAND (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN CLAY (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN SAND (TYPE A MATERIAL)
- COAL (TYPE C MATERIAL)
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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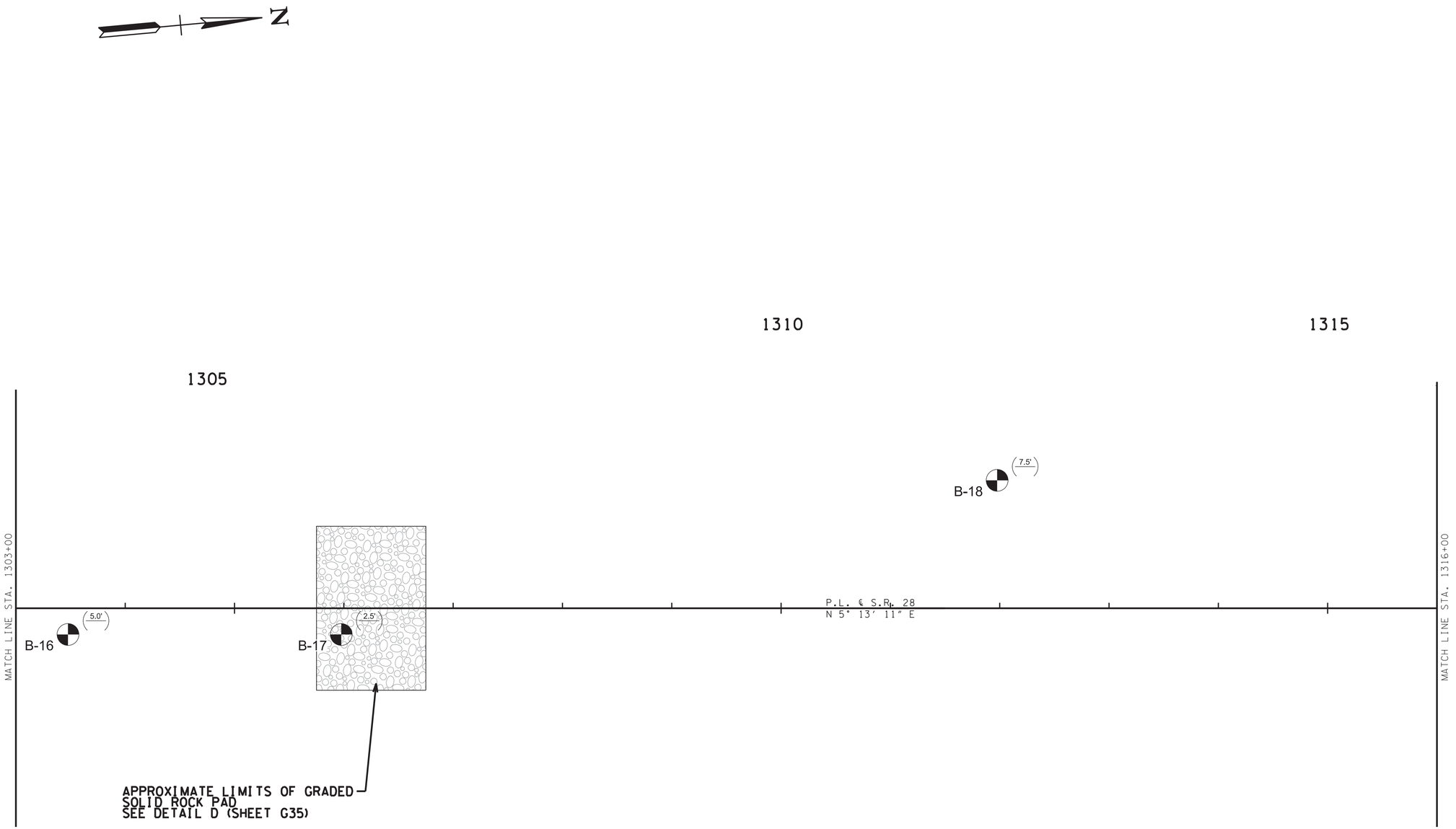
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

STA. 1290+00 TO STA. 1303+00
SCALE: 1"=50' HORIZ. 1"=5' VERT.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G7
PS&E	2026	STP/NH/HPP-28(32)	G7



BORING LOCATIONS				
BORING NO.	OLD		NEW	
	STATION	OFFSET	STATION	OFFSET
B-16	303+50	60' RT	1303+48	24' RT
B-17	306+00	60' RT	1305+98	24' RT
B-18	312+00	81' LT	1311+98	117' LT

LEGEND

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

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

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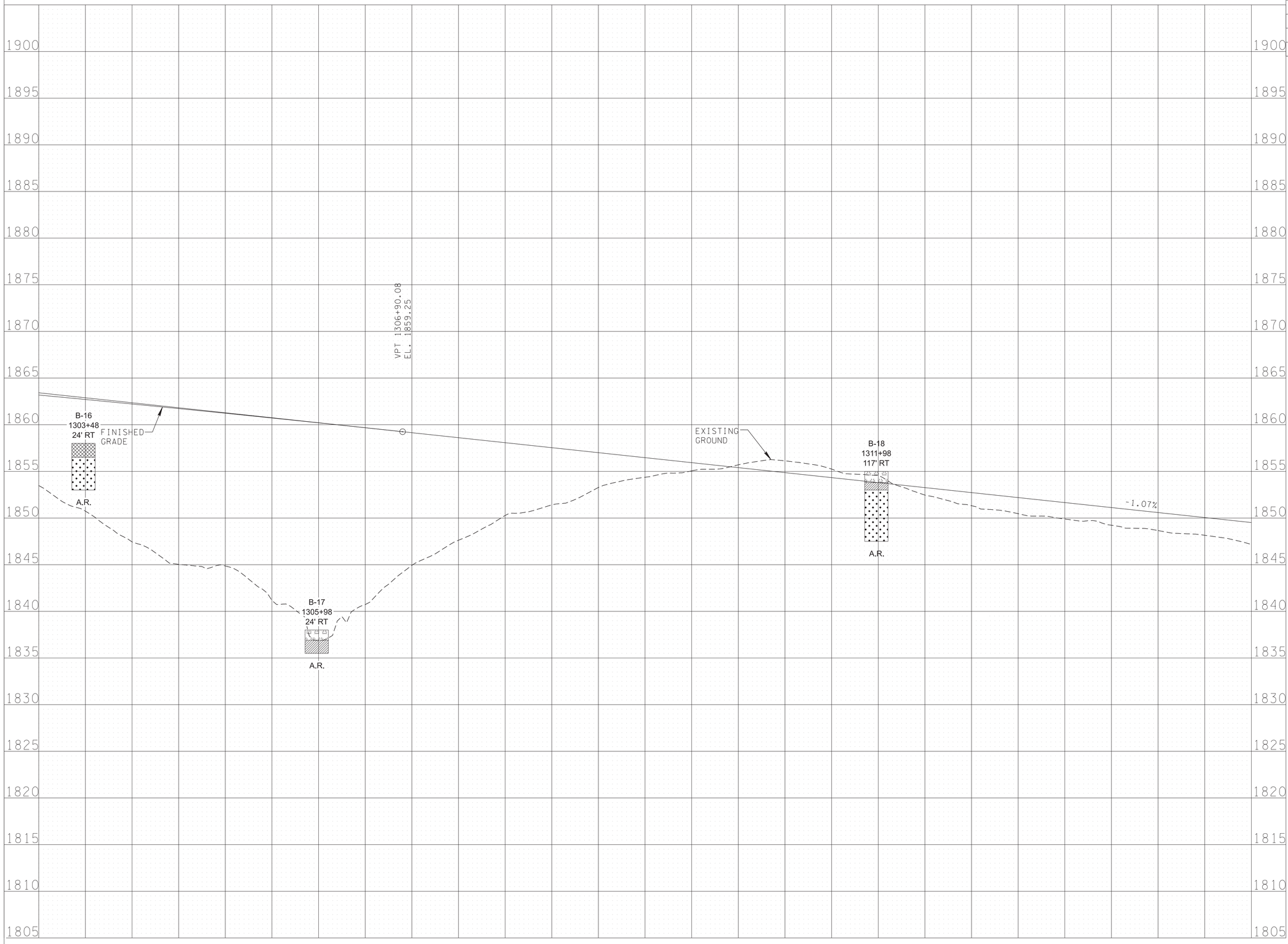
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1303+00 TO STA. 1316+00
SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G8
PS&E	2026	STP/NH/HPP-28(32)	G8



LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
- FAT CLAY (TYPE A MATERIAL)
- ELASTIC SILT (TYPE A MATERIAL)
- CLAYEY SAND (TYPE A MATERIAL)
- SANDSTONE (TYPE C MATERIAL)
- SHALE AND SANDSTONE (TYPE C MATERIAL)
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- GRAVEL MIXED WITH BROWN CLAY (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN SAND (TYPE A MATERIAL)
- COAL (TYPE C MATERIAL)
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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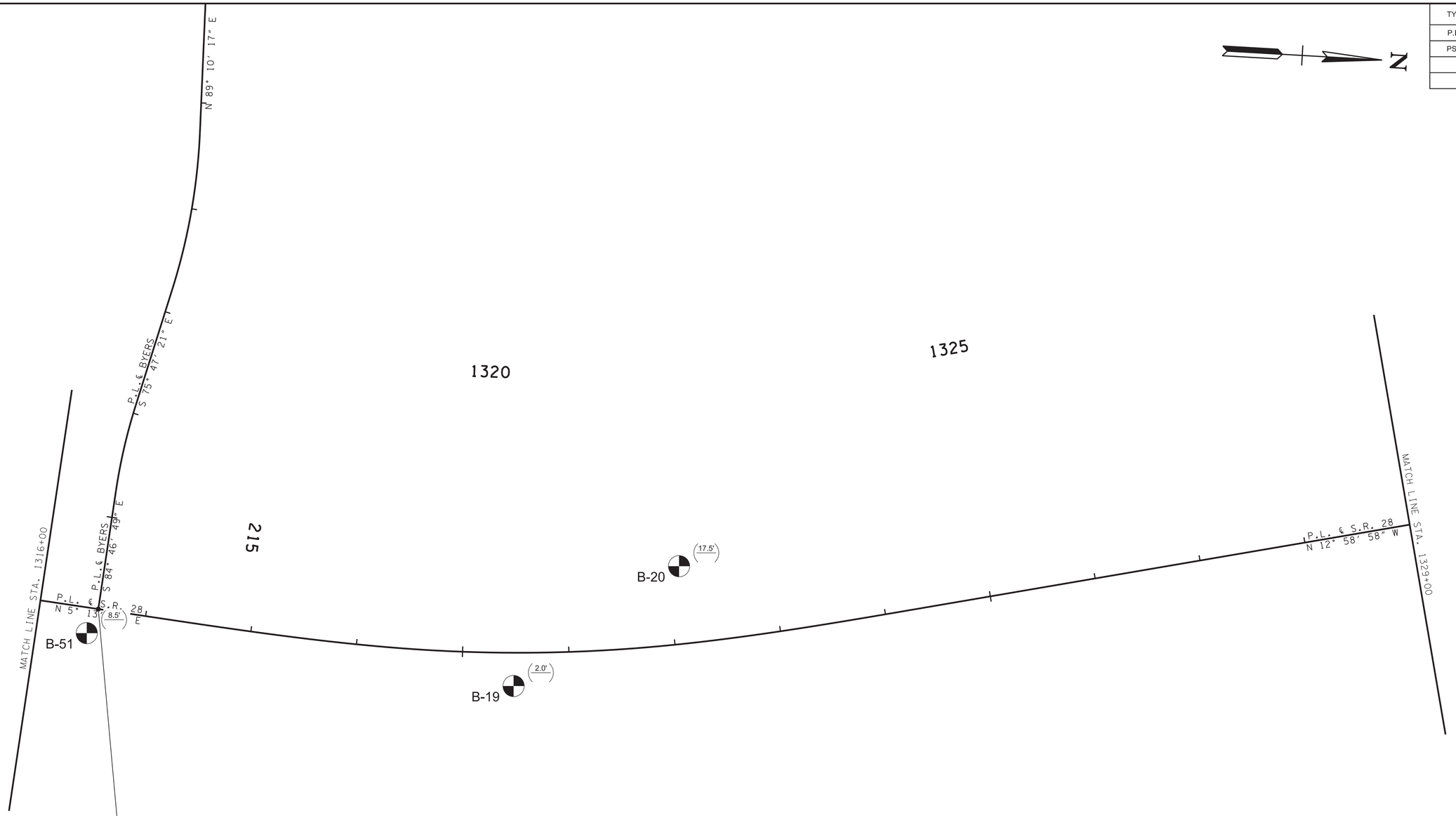
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

STA. 1303+00 TO STA. 1316+00
SCALE: 1"=50' HORIZ. 1"=5' VERT.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G9
PS&E	2026	STP/NH/HPP-28(32)	G9



BORING LOCATIONS				
BORING NO.	OLD		NEW	
	STATION	OFFSET	STATION	OFFSET
B-51	316+50	60' RT	1316+48	24' RT
B-19	320+50	60' RT	1320+48	31' RT
B-20	322+00	60' LT	1322+12	73' LT

LEGEND

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

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

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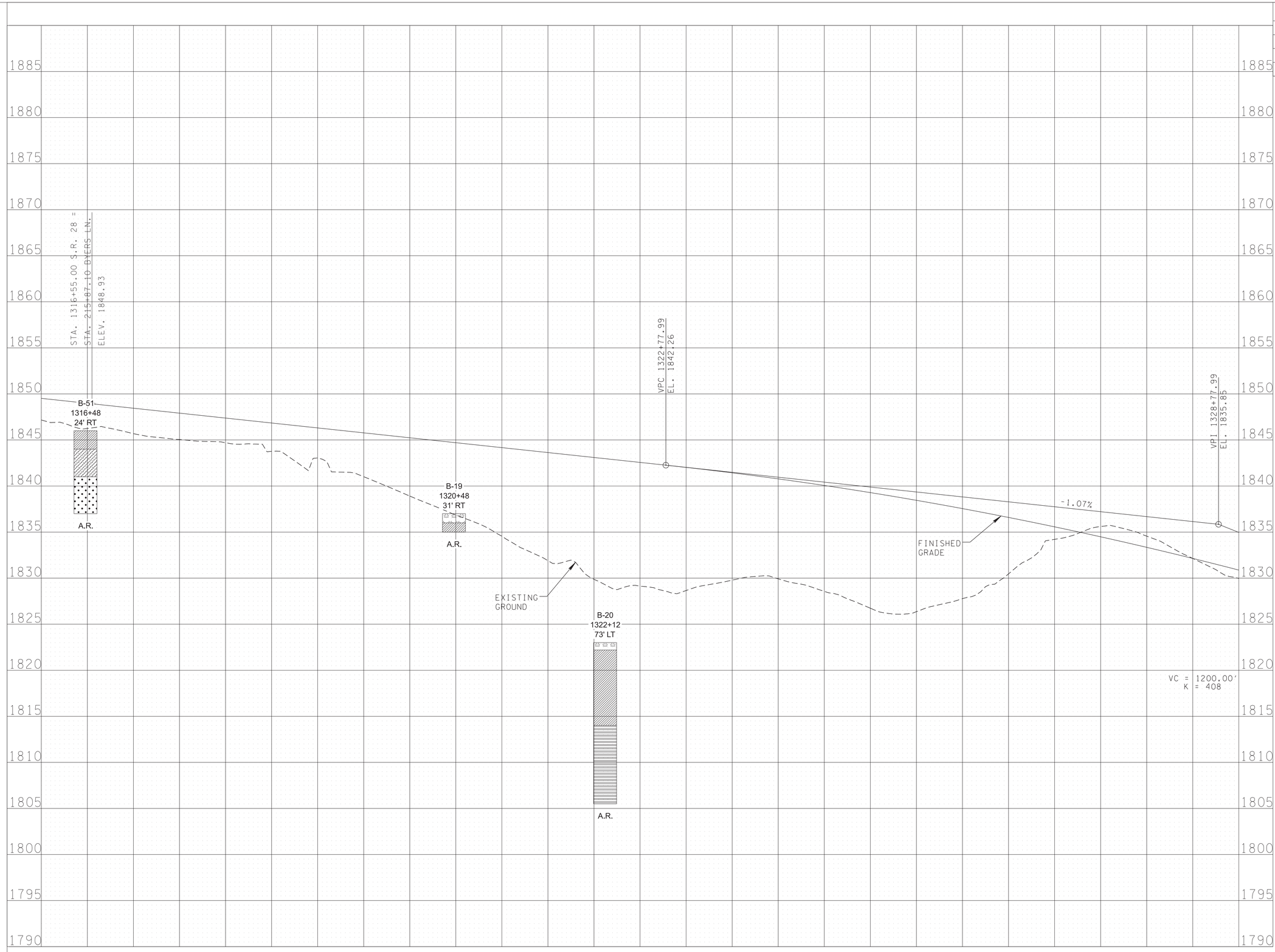
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1316+00 TO STA. 1329+00
SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G10
PS&E	2026	STP/NH/HPP-28(32)	G10



LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
- FAT CLAY (TYPE A MATERIAL)
- ELASTIC SILT (TYPE A MATERIAL)
- CLAYEY SAND (TYPE A MATERIAL)
- SANDSTONE (TYPE C MATERIAL)
- SHALE AND SANDSTONE (TYPE C MATERIAL)
- SILTY SAND (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN CLAY (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN SAND (TYPE A MATERIAL)
- COAL (TYPE C MATERIAL)
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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4-01-2026

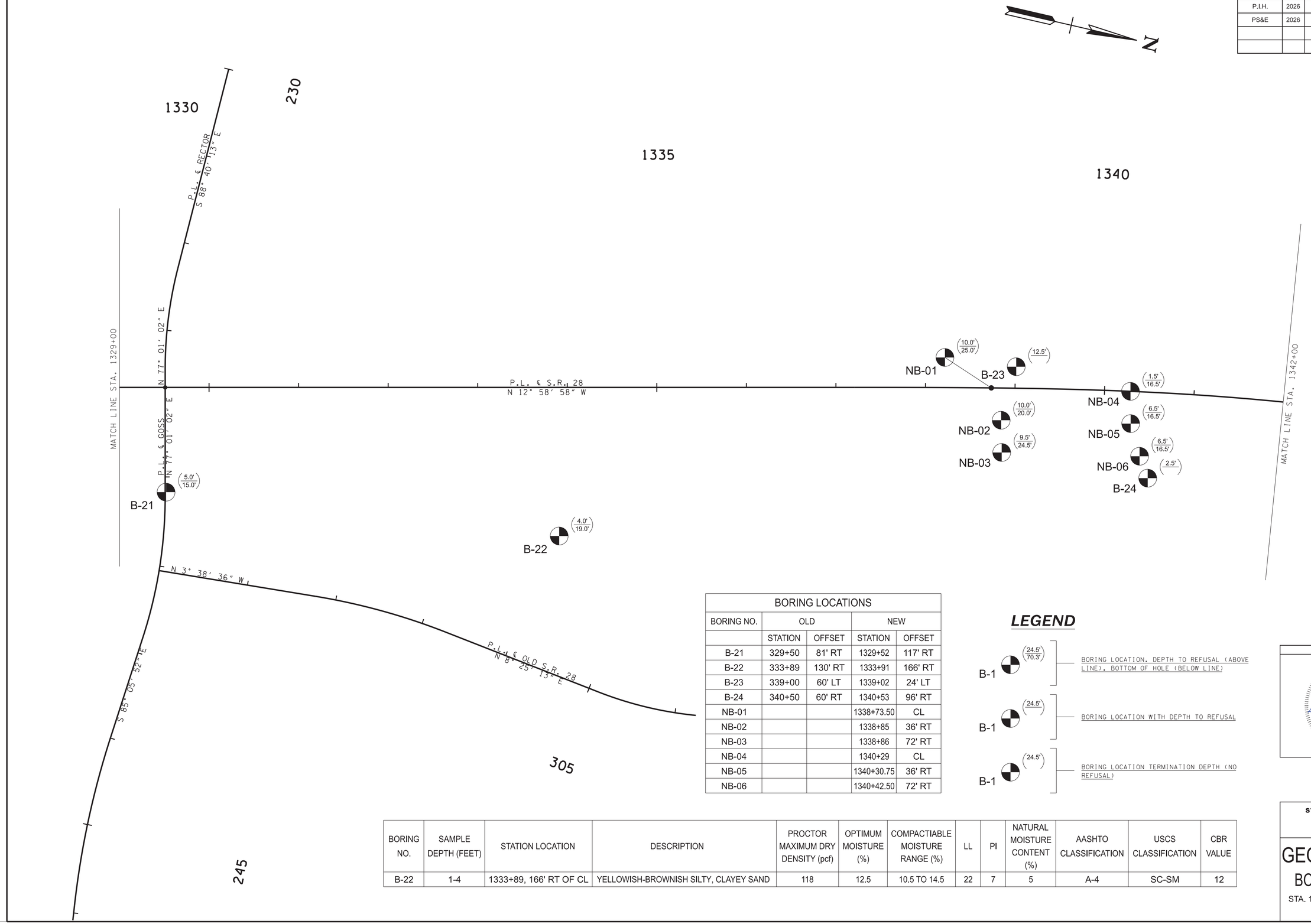
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

STA. 1316+00 TO STA. 1329+00
SCALE: 1"=50' HORIZ. 1"=5' VERT.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G11
PS&E	2026	STP/NH/HPP-28(32)	G11



BORING LOCATIONS				
BORING NO.	OLD		NEW	
	STATION	OFFSET	STATION	OFFSET
B-21	329+50	81' RT	1329+52	117' RT
B-22	333+89	130' RT	1333+91	166' RT
B-23	339+00	60' LT	1339+02	24' LT
B-24	340+50	60' RT	1340+53	96' RT
NB-01			1338+73.50	CL
NB-02			1338+85	36' RT
NB-03			1338+86	72' RT
NB-04			1340+29	CL
NB-05			1340+30.75	36' RT
NB-06			1340+42.50	72' RT

LEGEND

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

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

BORING NO.	SAMPLE DEPTH (FEET)	STATION LOCATION	DESCRIPTION	PROCTOR MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	COMPACTIABLE MOISTURE RANGE (%)	LL	PI	NATURAL MOISTURE CONTENT (%)	AASHTO CLASSIFICATION	USCS CLASSIFICATION	CBR VALUE
B-22	1-4	1333+89, 166' RT OF CL	YELLOWISH-BROWNISH SILTY, CLAYEY SAND	118	12.5	10.5 TO 14.5	22	7	5	A-4	SC-SM	12

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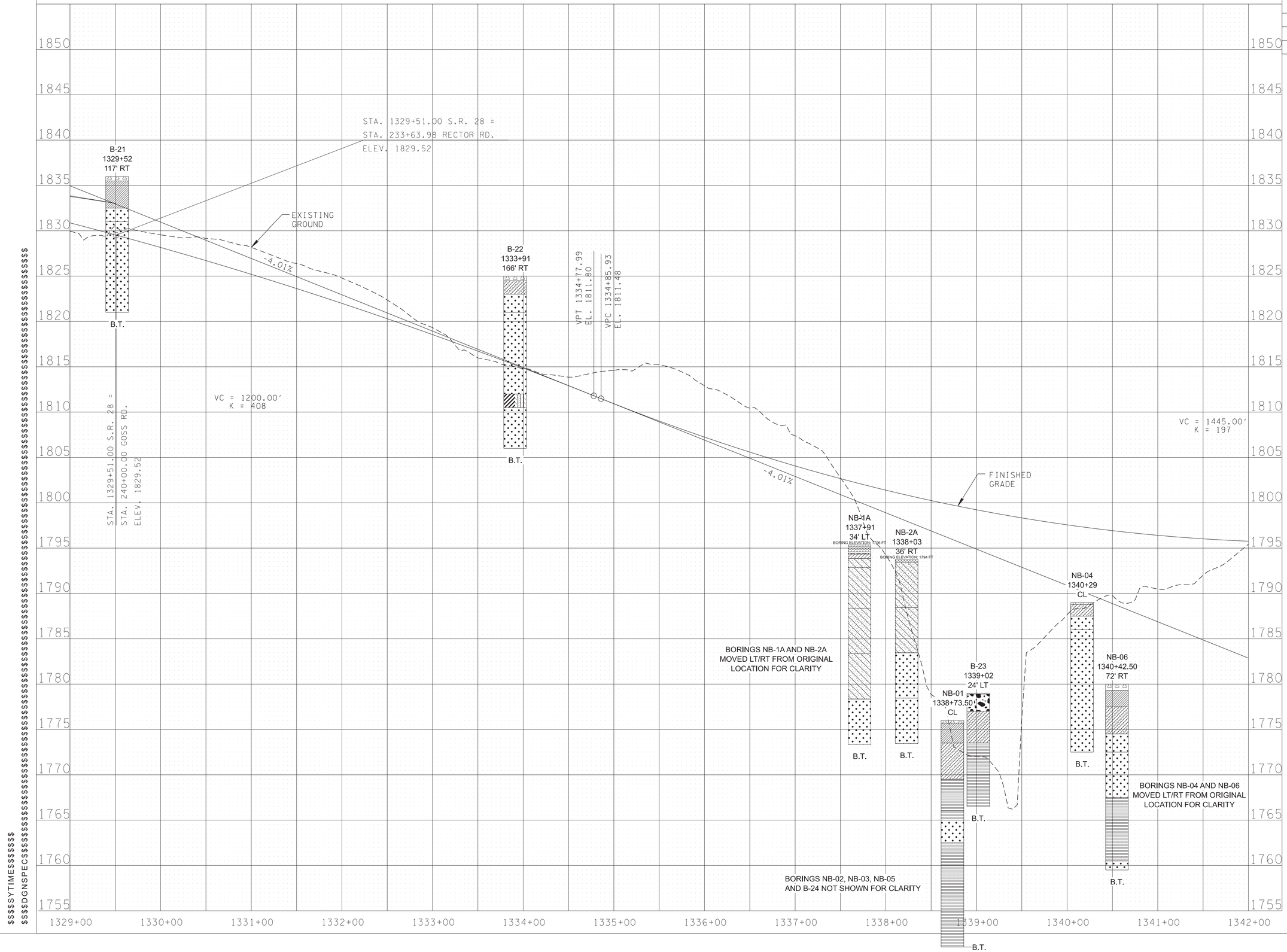
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1329+00 TO STA. 1342+00
SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G12
PS&E	2026	STP/NH/HPP-28(32)	G12



LEGEND

- TOPSOIL (TYPE A MATERIAL)
- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
- FAT CLAY (TYPE A MATERIAL)
- ELASTIC SILT (TYPE A MATERIAL)
- CLAYEY SAND (TYPE A MATERIAL)
- SANDSTONE (TYPE C MATERIAL)
- SHALE AND SANDSTONE (TYPE C MATERIAL)
- SILTY SAND (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN CLAY (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN SAND (TYPE A MATERIAL)
- COAL (TYPE C MATERIAL)
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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COVERAGE
13-01-2026

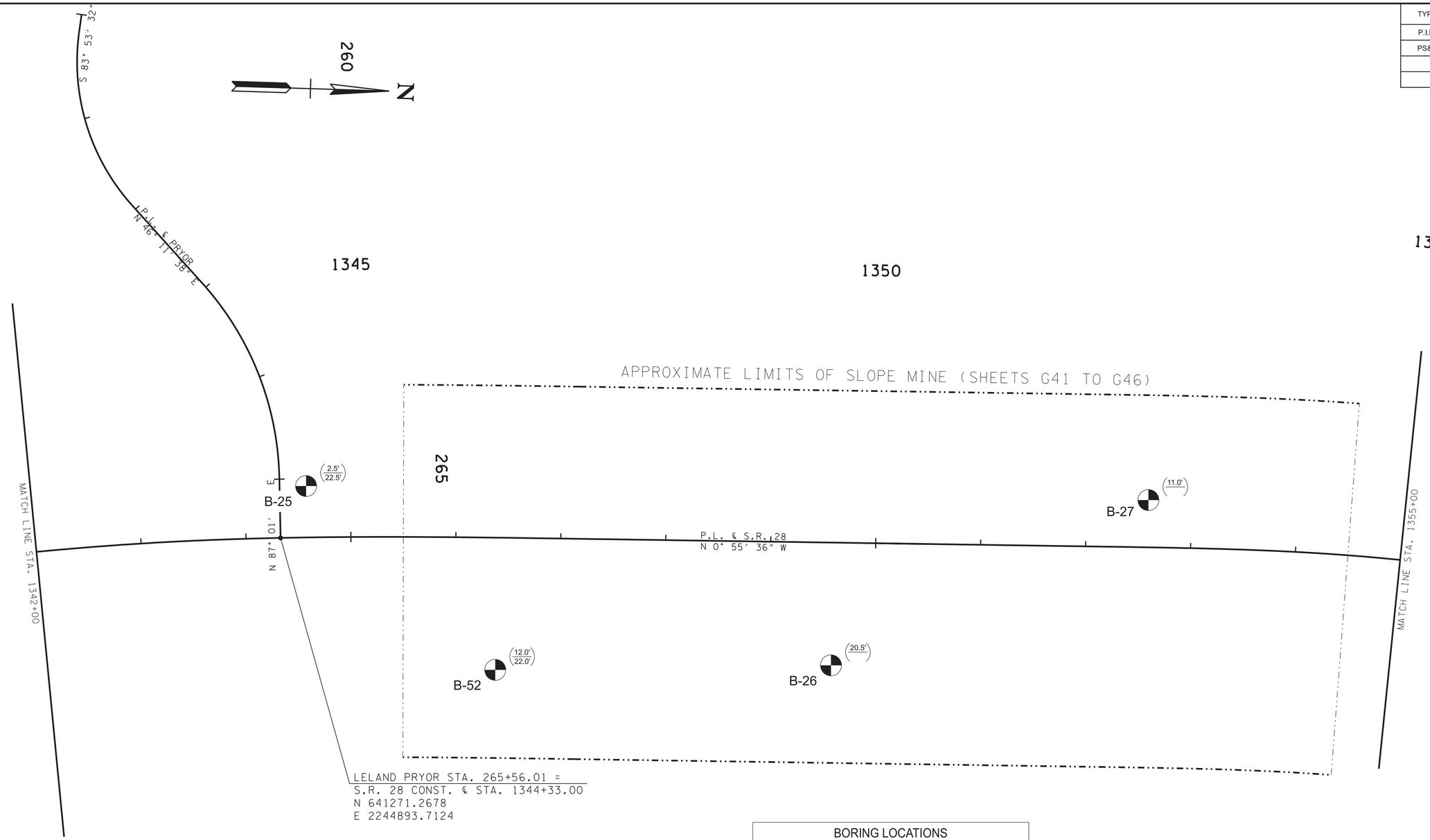
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

STA. 1329+00 TO STA. 1342+00
SCALE: 1"=50' HORIZ. 1"=5' VERT.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G13
PS&E	2026	STP/NH/HPP-28(32)	G13



BORING LOCATIONS				
BORING NO.	OLD		NEW	
	STATION	OFFSET	STATION	OFFSET
B-25	344+50	85' LT	1344+58	49' LT
B-52	346+30	90' RT	1346+39	126' RT
B-26	349+50	81' RT	1349+59	117' RT
B-27	352+50	81' LT	1352+59	45' LT

LEGEND

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

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

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Leanna Whitwell
2026

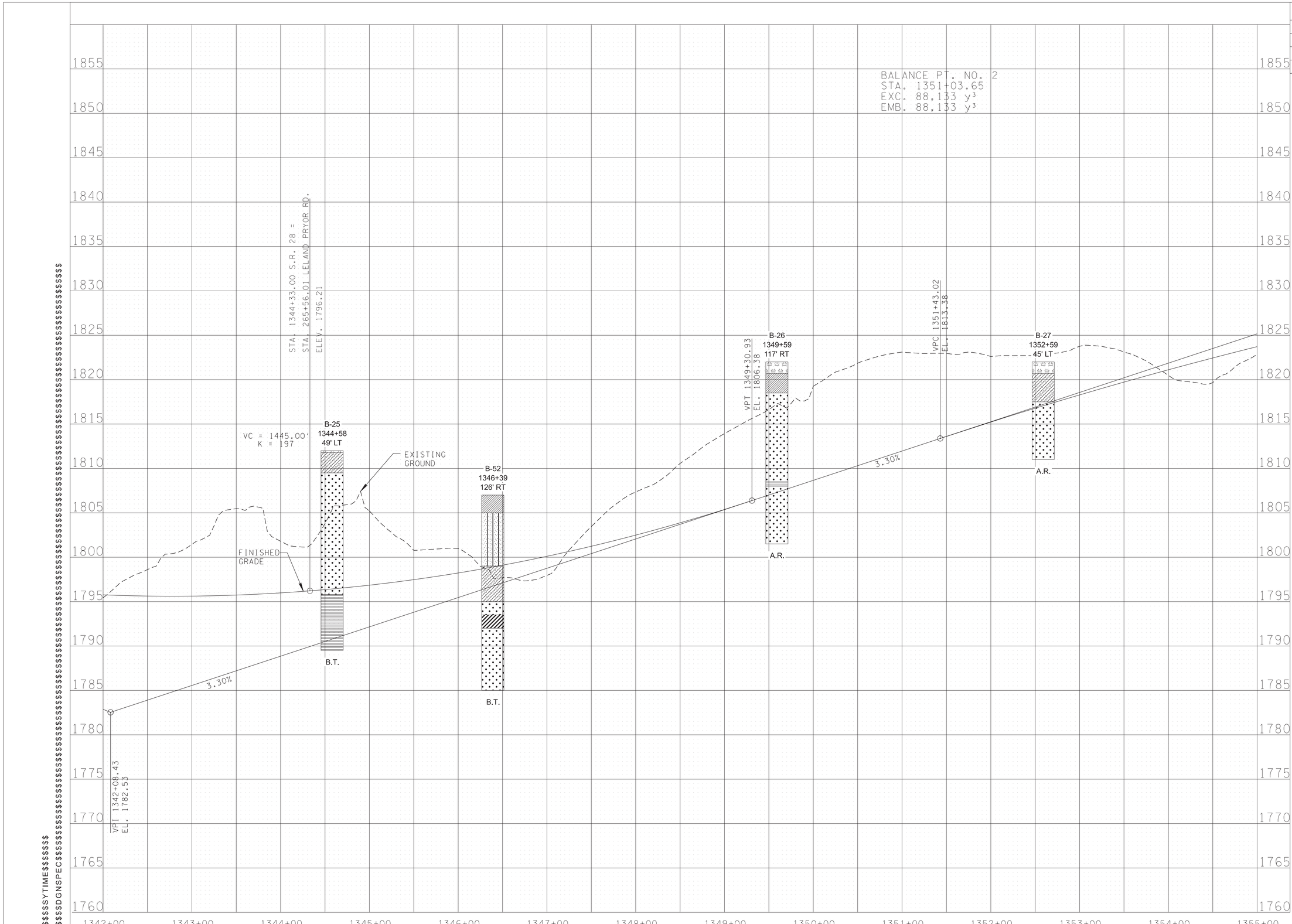
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1342+00 TO STA. 1355+00
SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G14
PS&E	2026	STP/NH/HPP-28(32)	G14



LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
- FAT CLAY (TYPE A MATERIAL)
- ELASTIC SILT (TYPE A MATERIAL)
- CLAYEY SAND (TYPE A MATERIAL)
- SANDSTONE (TYPE C MATERIAL)
- SHALE AND SANDSTONE (TYPE C MATERIAL)
- SILTY SAND (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN CLAY (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN SAND (TYPE A MATERIAL)
- COAL (TYPE C MATERIAL)
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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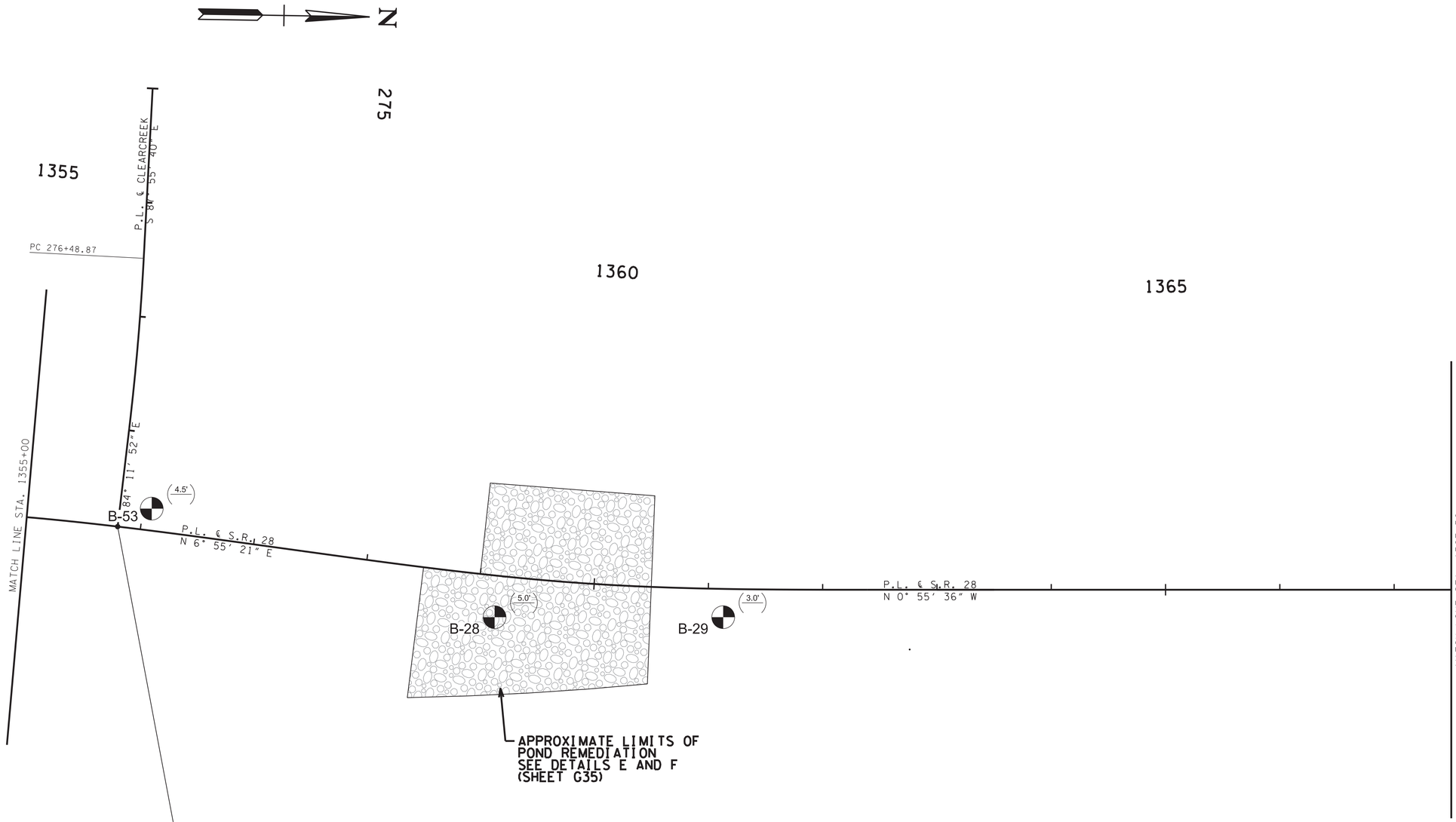
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

STA. 1342+00 TO STA. 1355+00
SCALE: 1"=50' HORIZ. 1"=5' VERT.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G15
PS&E	2026	STP/NH/HPP-28(32)	G15



BORING LOCATIONS				
BORING NO.	OLD		NEW	
	STATION	OFFSET	STATION	OFFSET
B-28	359+00	60' RT	1359+16	36' RT
B-29	361+00	60' RT	1361+13	25' RT
B-53	356+00	35' LT	1356+08	19' LT

LEGEND

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

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

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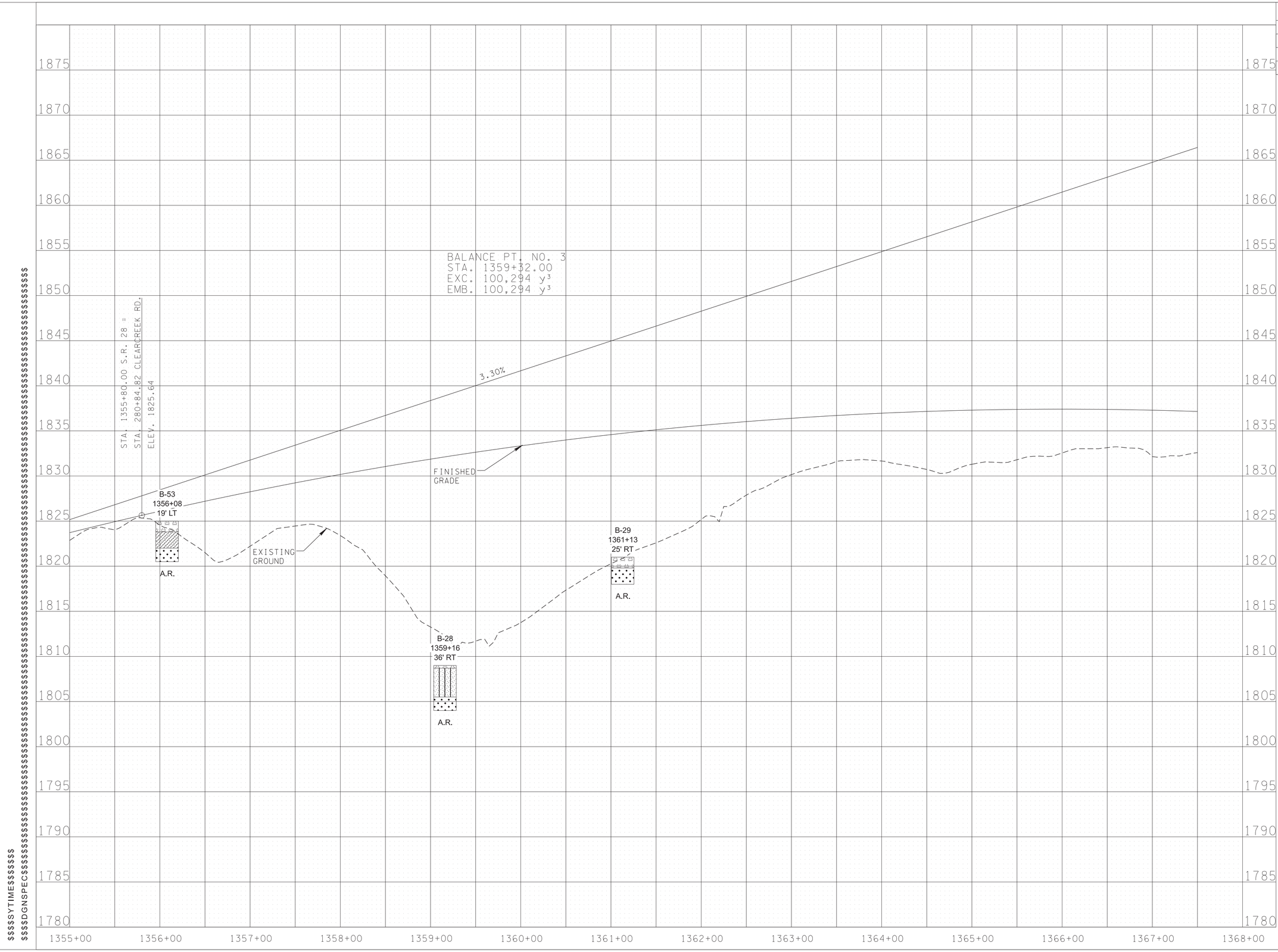
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1355+00 TO STA. 1367+50
SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G16
PS&E	2026	STP/NH/HPP-28(32)	G16



LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
- FAT CLAY (TYPE A MATERIAL)
- ELASTIC SILT (TYPE A MATERIAL)
- CLAYEY SAND (TYPE A MATERIAL)
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- GRAVEL MIXED WITH BROWN SAND (TYPE A MATERIAL)
- COAL (TYPE C MATERIAL)
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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5-31-2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

STA. 1355+00 TO STA. 1367+50
SCALE: 1"=50' HORIZ. 1"=5' VERT.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G17
PS&E	2026	STP/NH/HPP-28(32)	G17

N

CONLEY STA. 290+36.03 =
S.R. 28 CONST. ℄ STA. 1375+46.00
N 644378.0352
E 2244868.7341

1370

1375

1380

B-30 (18.0')

B-31 (5.5')

B-32 (12.5')

B-54 (5.0')

MATCH LINE STA. 1367+50

P.L. ℄ S.R. 28
N 0° 55' 36" W

290

P.L. ℄ S.R. 28
N 15° 00' 56" W

MATCH LINE STA. 1380+50

N 79° 24' 06" E

P.L. ℄ CONLEY
S 88° 24' 10" E

BORING LOCATIONS				
BORING NO.	OLD		NEW	
	STATION	OFFSET	STATION	OFFSET
B-30	368+00	81' LT	1368+13	117' LT
B-31	371+39	41' LT	1371+53	77' LT
B-32	376+18	80' RT	1376+38	44' RT
B-54	379+00	80' RT	1378+22	44' RT

LEGEND

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

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

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1-31-2026

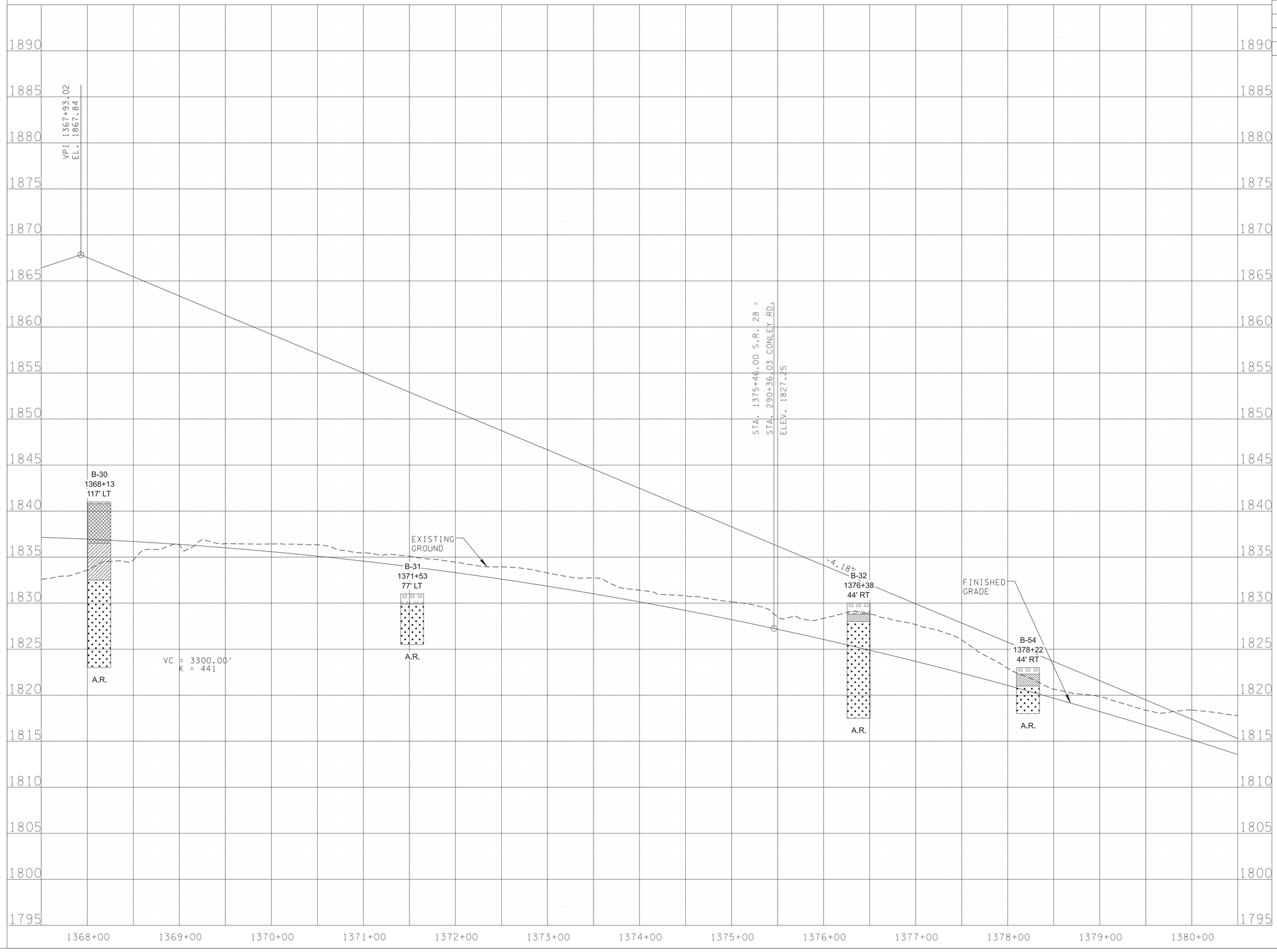
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1367+50 TO STA. 1380+50
SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G18
PS&E	2026	STP/NH/HPP-28(32)	G18



LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
- FAT CLAY (TYPE A MATERIAL)
- ELASTIC SILT (TYPE A MATERIAL)
- CLAYEY SAND (TYPE A MATERIAL)
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- GRAVEL MIXED WITH BROWN SAND (TYPE A MATERIAL)
- COAL (TYPE C MATERIAL)
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

SEALED BY

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COMMERCE
No. 106628
STATE OF TENNESSEE
8-31-2026

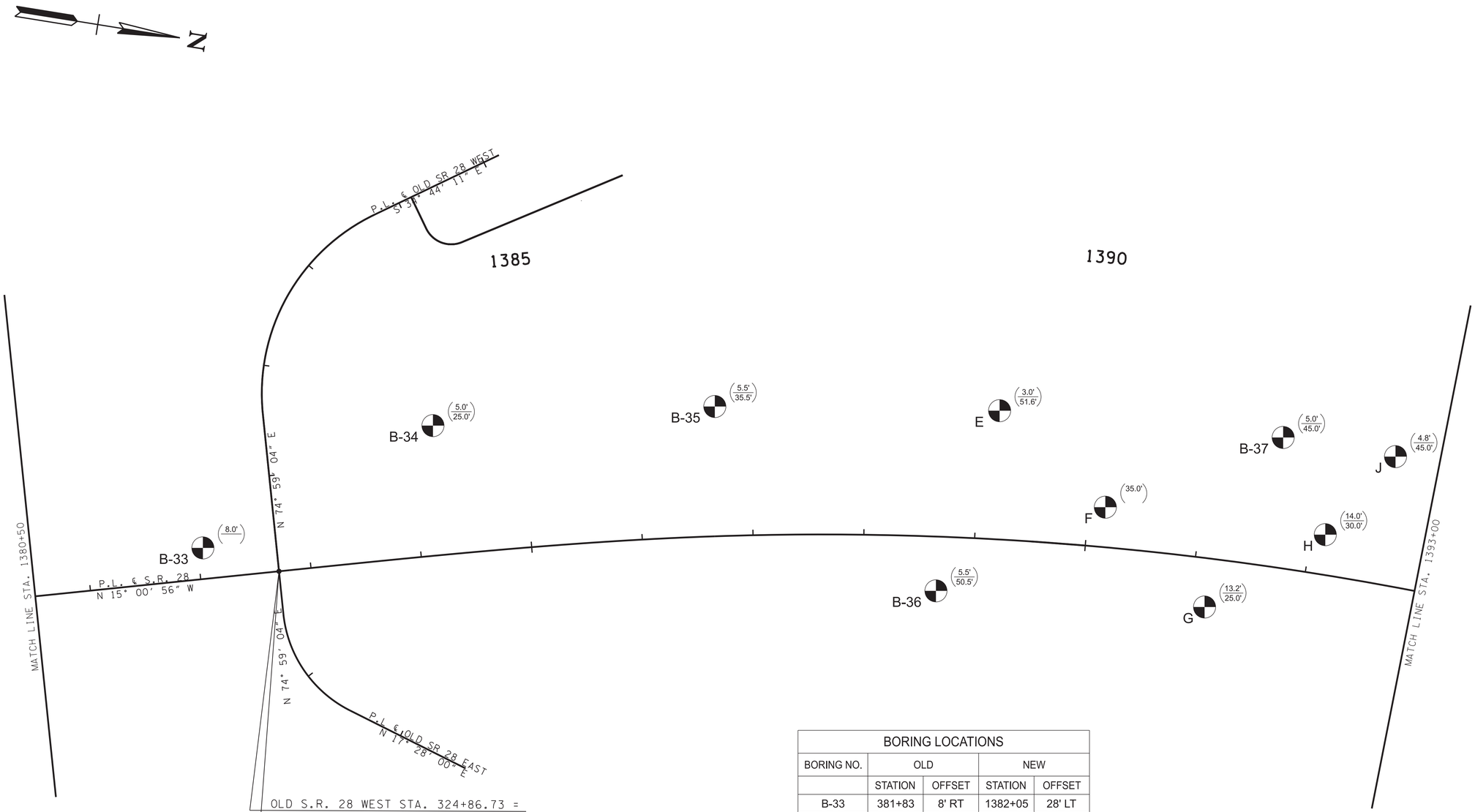
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

STA. 1367+50 TO STA. 1380+50
SCALE: 1"=50' HORIZ. 1"=5' VERT.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G19
PS&E	2026	STP/NH/HPP-28(32)	G19



OLD S.R. 28 WEST STA. 324+86.73 =
S.R. 28 CONST. ℄ STA. 1382+71.00
N 645080.8229
E 2244691.3426

OLD S.R. 28 EAST STA. 330+00.00 =
S.R. 28 CONST. ℄ STA. 1382+71.00
N 645080.8229
E 2244691.3426

BORING LOCATIONS

BORING NO.	OLD		NEW	
	STATION	OFFSET	STATION	OFFSET
B-33	381+83	8' RT	1382+05	28' LT
B-34	384+00	81' LT	1384+22	117' LT
B-35	386+50	81' LT	1386+69	117' LT
B-36	388+50	85' RT	1388+67	49' RT
B-37	391+50	81' LT	1391+63	117' LT
E	389+00	80' LT	1389+16	116' LT
F	390+00	CL	1390+15	36' LT
G	391+00	80' RT	1391+14	44' RT
H	392+00	CL	1392+12	36' LT
J	392+50	80' LT	1392+62	116' LT

LEGEND

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

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

BORING NO.	SAMPLE DEPTH (FEET)	STATION LOCATION	DESCRIPTION	PROCTOR MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	COMPACTIABLE MOISTURE RANGE (%)	LL	PI	NATURAL MOISTURE CONTENT (%)	AASHTO CLASSIFICATION	USCS CLASSIFICATION	CBR VALUE
B-35	1.5-5.5	1386+50, 117' LT OF CL	BROWN SAND WITH CLAY	121	10	8 TO 12	NP	NP	2	A-2	SM	27

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6-30-2026

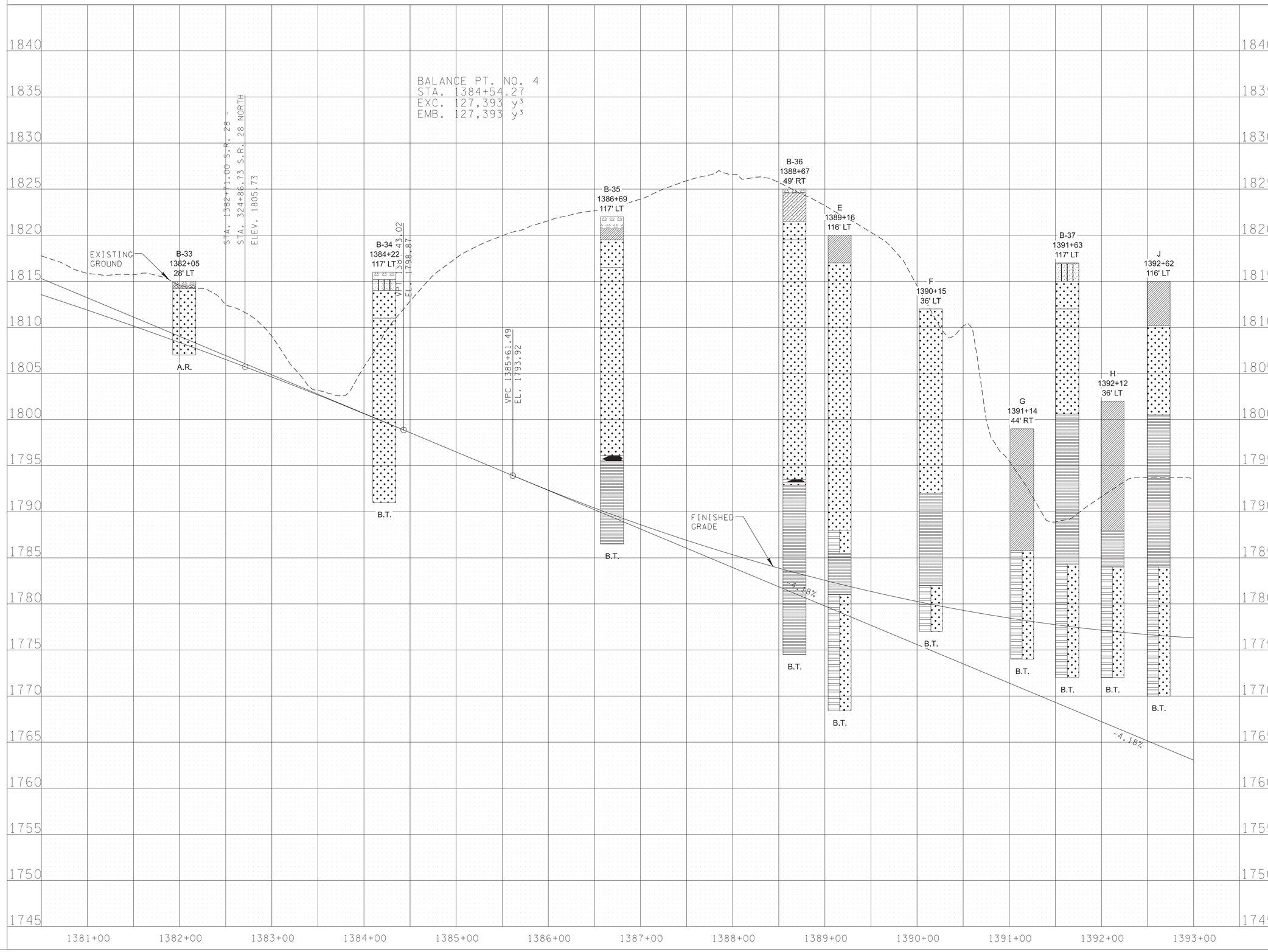
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1380+50 TO STA. 1393+00
SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G20
PS&E	2026	STP/NH/HPP-28(32)	G20



LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
- FAT CLAY (TYPE A MATERIAL)
- ELASTIC SILT (TYPE A MATERIAL)
- CLAYEY SAND (TYPE A MATERIAL)
- SANDSTONE (TYPE C MATERIAL)
- SHALE AND SANDSTONE (TYPE C MATERIAL)
- SILTY SAND (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN CLAY (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN SAND (TYPE A MATERIAL)
- COAL (TYPE C MATERIAL)
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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07-17-2026

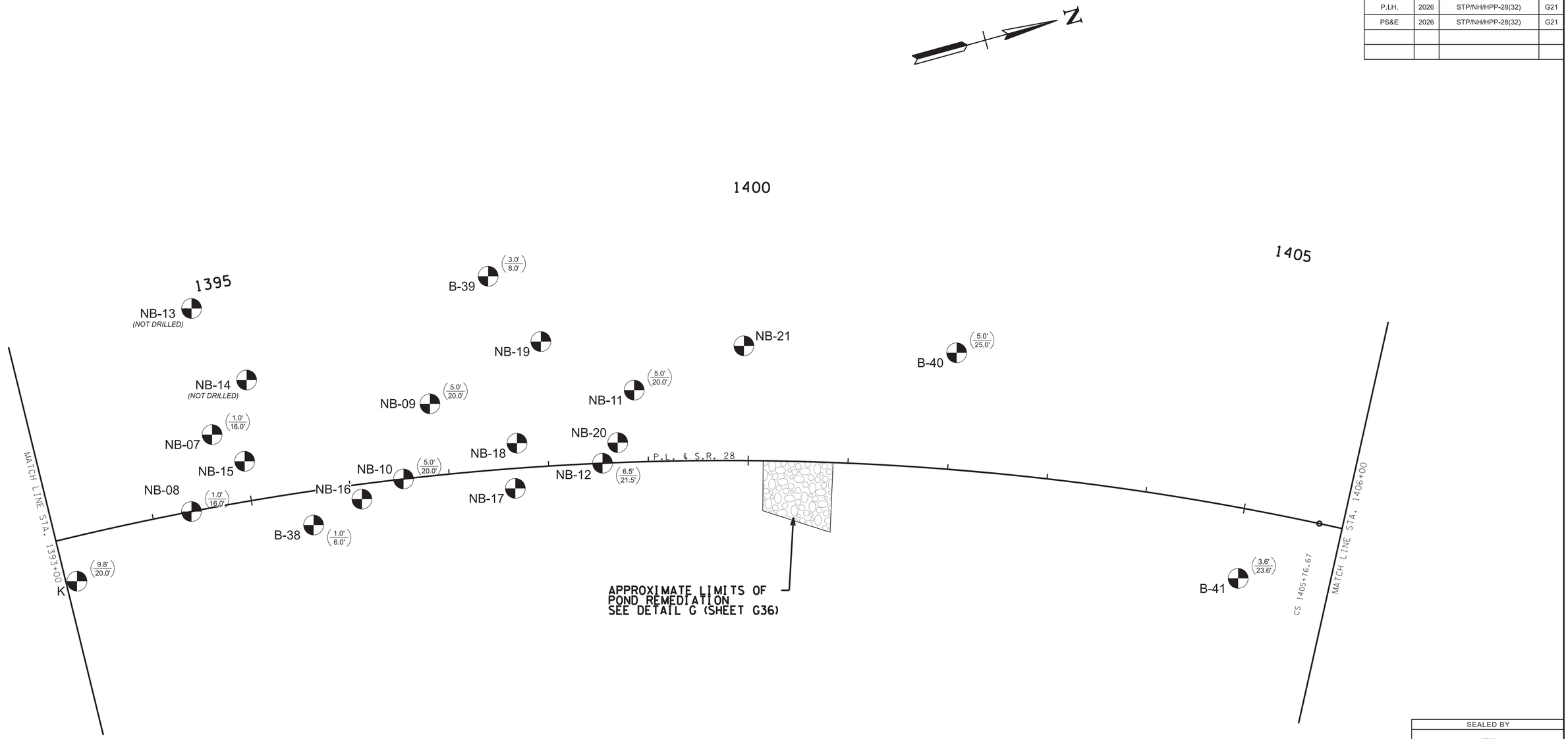
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL BORING PROFILE

STA. 1380+50 TO STA. 1393+00
SCALE: 1"=50' HORIZ. 1"=5' VERT.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G21
PS&E	2026	STP/NH/HPP-28(32)	G21



BORING LOCATIONS				
BORING NO.	OLD		NEW	
	STATION	OFFSET	STATION	OFFSET
B-38	395+50	70' RT	1395+58	34' RT
B-39	397+49	158' LT	1397+55	194' LT
B-40	402+00	81' LT	1402+00	117' LT
B-41	405+11	106' RT	1405+07	70' RT
NB-07	N/A	N/A	1394+73	72' LT
NB-08	N/A	N/A	1394+39	CL
NB-09	N/A	N/A	1396+88	72' LT
NB-10	N/A	N/A	1396+54	CL
NB-11	N/A	N/A	1398+88	72' LT
NB-12	N/A	N/A	1398+54	CL
K	393+00	80' RT	1393+11	44' RT

BORING LOCATIONS				
BORING NO.	OLD		NEW	
	STATION	OFFSET	STATION	OFFSET
NB-13	N/A	N/A	1394+75	200' LT
NB-14	N/A	N/A	1395+15	120' LT
NB-15	N/A	N/A	1395+00	40' LT
NB-16	N/A	N/A	1396+10	15' RT
NB-17	N/A	N/A	1397+65	20' RT
NB-18	N/A	N/A	1397+70	25' LT
NB-19	N/A	N/A	1398+00	125' LT
NB-20	N/A	N/A	1398+70	20' LT
NB-21	N/A	N/A	1399+95	115' LT

LEGEND

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

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

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5-31-2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1393+00 TO STA. 1406+00
SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G22
PS&E	2026	STP/NH/HPP-28(32)	G22

VC = 1700.00'
K = 205

K
1393+11
44' RT

NB-08
1394+39
CL

NB-07
1394+73
72' LT

NB-15
1395+00
40' LT

BEGIN BRIDGE 1394+64.00
EL. 1776.02
(ID #18SR0280020)

END BRIDGE 1398+64.00
EL. 1780.76 (ID#18SR0280020)

FINISHED GRADE

BORING NB-11
MOVED 20 FEET RT
FOR CLARITY

NB-20
1398+70
20' LT

NB-11
1398+88
72' LT

BORING NB-12
MOVED 20 FEET LT
FOR CLARITY

NB-12
1398+54
CL

NB-21
1399+95
115' LT

B-40
1402+00
117' LT

BORING B-40 MOVED
DOWN 8 FEET FROM ORIGINAL
LOCATION FOR CLARITY

VPT 1402+61.49
EL. 1793.19

VPC 1402+78.98
EL. 1793.90

MATCHLINE A-A

4.09%

VPI 1394+11.49
EL. 1758.39

EXISTING GROUND

NB-17
1397+65
20' RT

NB-18
1397+70
25' LT

BORING NB-18
MOVED 30 FEET RT
FOR CLARITY

NB-19
1398+00
125' LT

BORING NB-19
MOVED 30 FEET RT
FOR CLARITY

BORING B-39
MOVED 20 FEET LT
FOR CLARITY

B-38
1395+58
34' RT

NB-16
1396+10
15' RT

NB-10
1396+54
CL

NB-09
1396+88
72' LT

B-39
1397+55
194' LT

B-41
1405+07
70' RT

MATCHLINE A-A

B.T.

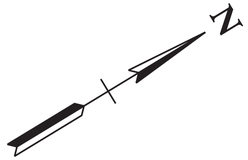
1393+00 1394+00 1395+00 1396+00 1397+00 1398+00 1399+00 1400+00 1401+00 1402+00 1403+00 1404+00 1405+00 1406+00

1800 1795 1790 1785 1780 1775 1770 1765 1760 1755 1750 1745 1740 1735 1730 1725 1720 1715 1710 1705

1825 1820 1815 1810 1805 1800 1795 1790 1785 1780 1775

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G23
PS&E	2026	STP/NH/HPP-28(32)	G23



1410

1415

B-43 (3.5' / 20.5')

B-44 (4.0' / 34.0')

MATCH LINE STA. 1406+00

P.L. ℄ S.R. 28
N 31° 29' 26" E

MATCH LINE STA. 1419+00

B-45 (4.0' / 24.0')

BORING LOCATIONS				
BORING NO.	OLD		NEW	
	STATION	OFFSET	STATION	OFFSET
B-43	411+00	81' LT	1410+93	117' LT
B-44	413+50	50' LT	1413+43	86' LT
B-45	417+00	109' RT	1416+93	73' RT

LEGEND

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

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

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10-3-2026

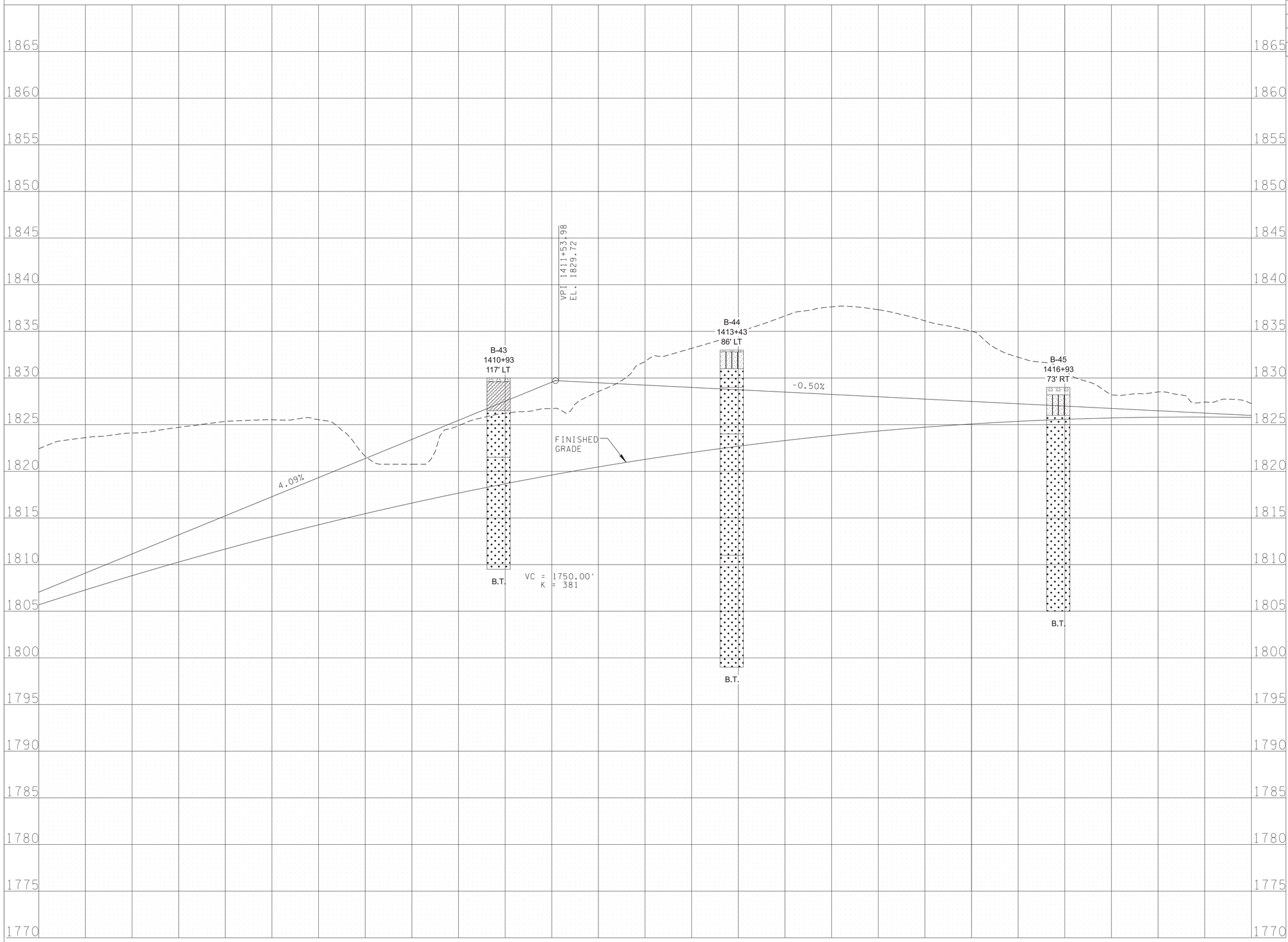
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1406+00 TO STA. 1419+00
SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G24
PS&E	2026	STP/NH/HPP-28(32)	G24



LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
- FAT CLAY (TYPE A MATERIAL)
- ELASTIC SILT (TYPE A MATERIAL)
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- GRAVEL MIXED WITH BROWN CLAY (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN SAND (TYPE A MATERIAL)
- COAL (TYPE C MATERIAL)
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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Leanna Whitwell
2026

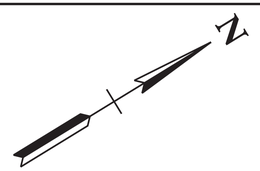
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

STA. 1406+00 TO STA. 1419+00
SCALE: 1"=50' HORIZ. 1"=5' VERT.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G25
PS&E	2026	STP/NH/HPP-28(32)	G25



HOLLOW LANE STA. 310+36.00 =
S.R. 28 CONST. ℄ STA. 1427+94.00
N 649214.8124
E 2246016.9949

1420

1425

1430

MATCH LINE STA. 1419+00

MATCH LINE STA. 1431+50

P.L. ℄ S.R. 28
N 31° 29' 26" E

P.L. ℄ HOLLOW
S 2° 58' 45" W

S 58° 30' 34" E

B-46 (4.5')

B-47 (3.6' / 13.6')

B-48 (2.5' / 22.5')

APPROXIMATE LIMITS OF
POND REMEDIATION
SEE DETAIL H (SHEET G36)

APPROXIMATE LIMITS OF
WETLAND REPAIR
SEE DETAIL I (SHEET G36)

BORING LOCATIONS				
BORING NO.	OLD		NEW	
	STATION	OFFSET	STATION	OFFSET
B-46	421+50	60' RT	1421+43	24' RT
B-47	425+50	53' LT	1425+43	89' LT
B-48	429+00	45' RT	1428+93	9' RT

LEGEND

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

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

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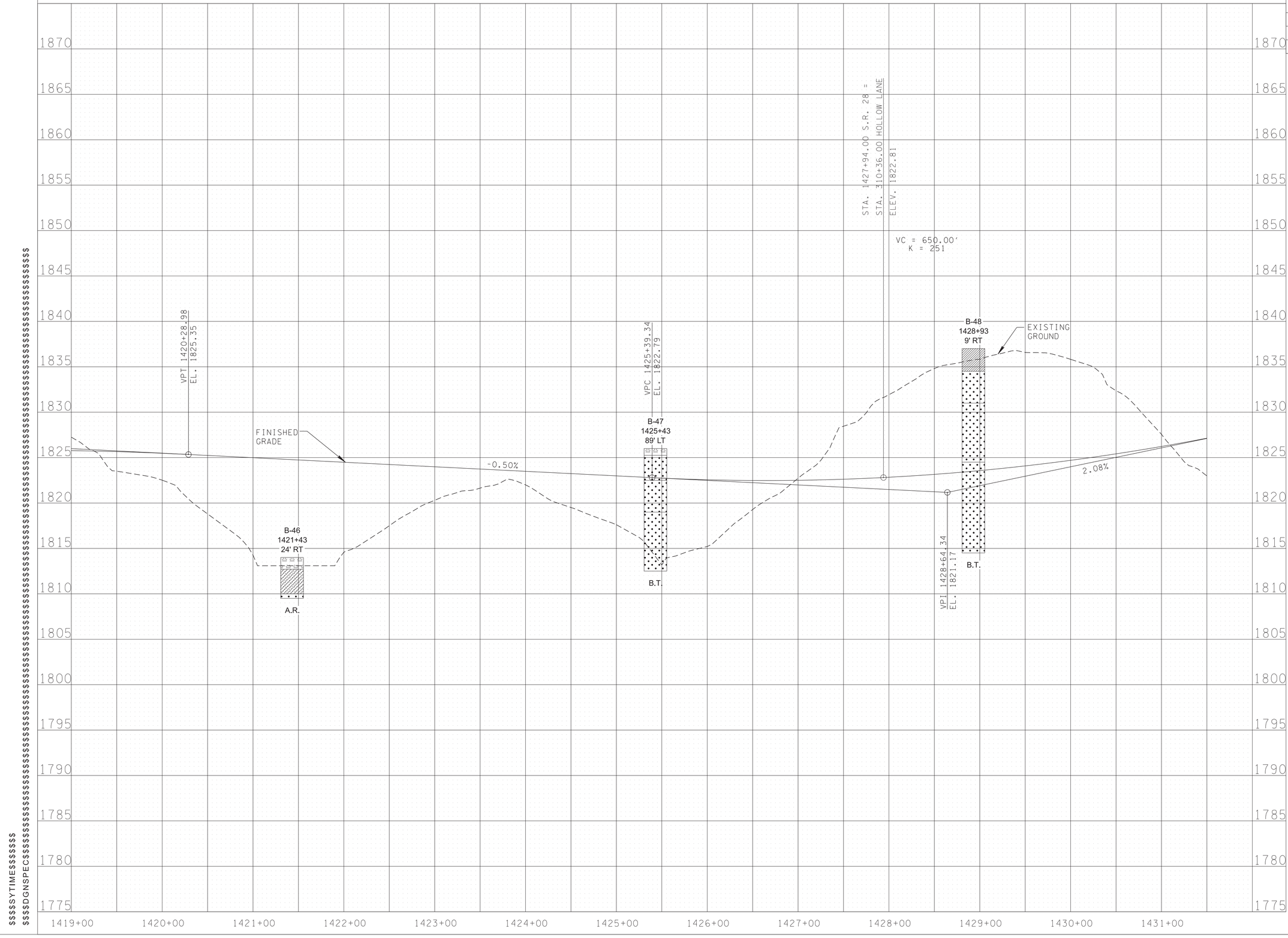
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1419+00 TO STA. 1431+50
SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G26
PS&E	2026	STP/NH/HPP-28(32)	G26



LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
- FAT CLAY (TYPE A MATERIAL)
- ELASTIC SILT (TYPE A MATERIAL)
- CLAYEY SAND (TYPE A MATERIAL)
- SANDSTONE (TYPE C MATERIAL)
- SHALE AND SANDSTONE (TYPE C MATERIAL)
- SILTY SAND (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN CLAY (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN SAND (TYPE A MATERIAL)
- COAL (TYPE C MATERIAL)
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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Leanna S. Whitwell
07-2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL BORING PROFILE

STA. 1419+00 TO STA. 1431+50
SCALE: 1"=50' HORIZ. 1"=5' VERT.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G27
PS&E	2026	STP/NH/HPP-28(32)	G27

NO BORINGS WERE DRILLED IN THIS AREA.

N.B. TRANSITION STA. 801+87.69 =
CAT00SA STA. 500+00.00
N 649716.2439
E 2246320.7545

1435

1440

500

P.I. ℄ NB TRANSITION
N 19° 20' 28" E

P.L. ℄ S.R. 28
N 31° 29' 26" E

S 71° 29' 08" E

S 74° 34' 47" E

MATCH LINE STA. 1431+50

APPROXIMATE LIMITS OF
WETLAND REPAIR
SEE DETAIL I (SHEET G36)

N.B. TRANSITION STA. 800+00.00 =
S.R. 28 CONST. ℄ STA. 1431+92.60
N: 649554.7127
E: 2246225.2088

LEGEND

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

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

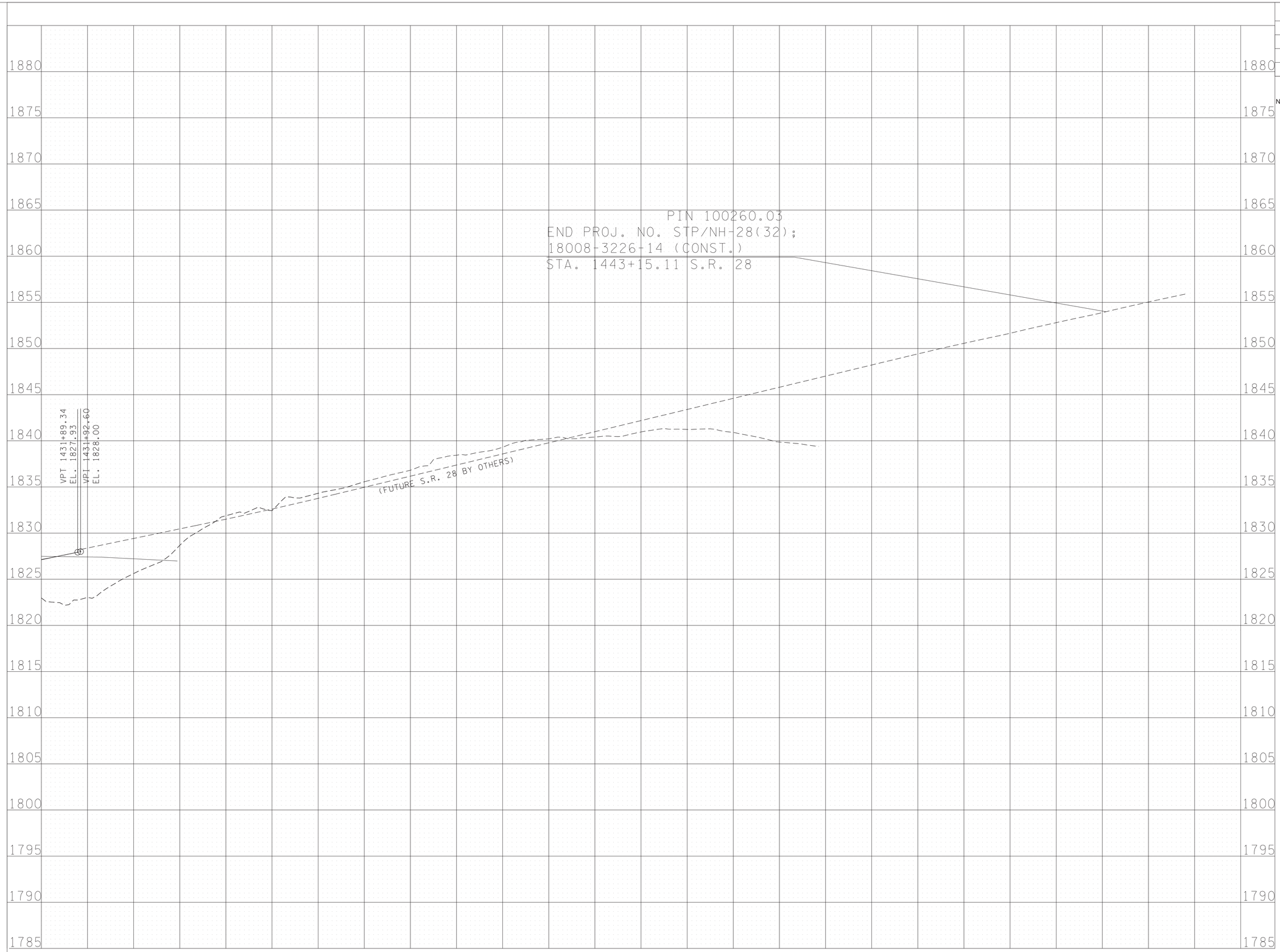
GEOTECHNICAL
BORING LAYOUT

STA. 1431+50 TO STA. 1443+15
SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G28
PS&E	2026	STP/NH/HPP-28(32)	G28

NO BORINGS WERE DRILLED IN THIS AREA.



LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
- FAT CLAY (TYPE A MATERIAL)
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- COAL (TYPE C MATERIAL)
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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Leanna Whitwell
5-31-2026

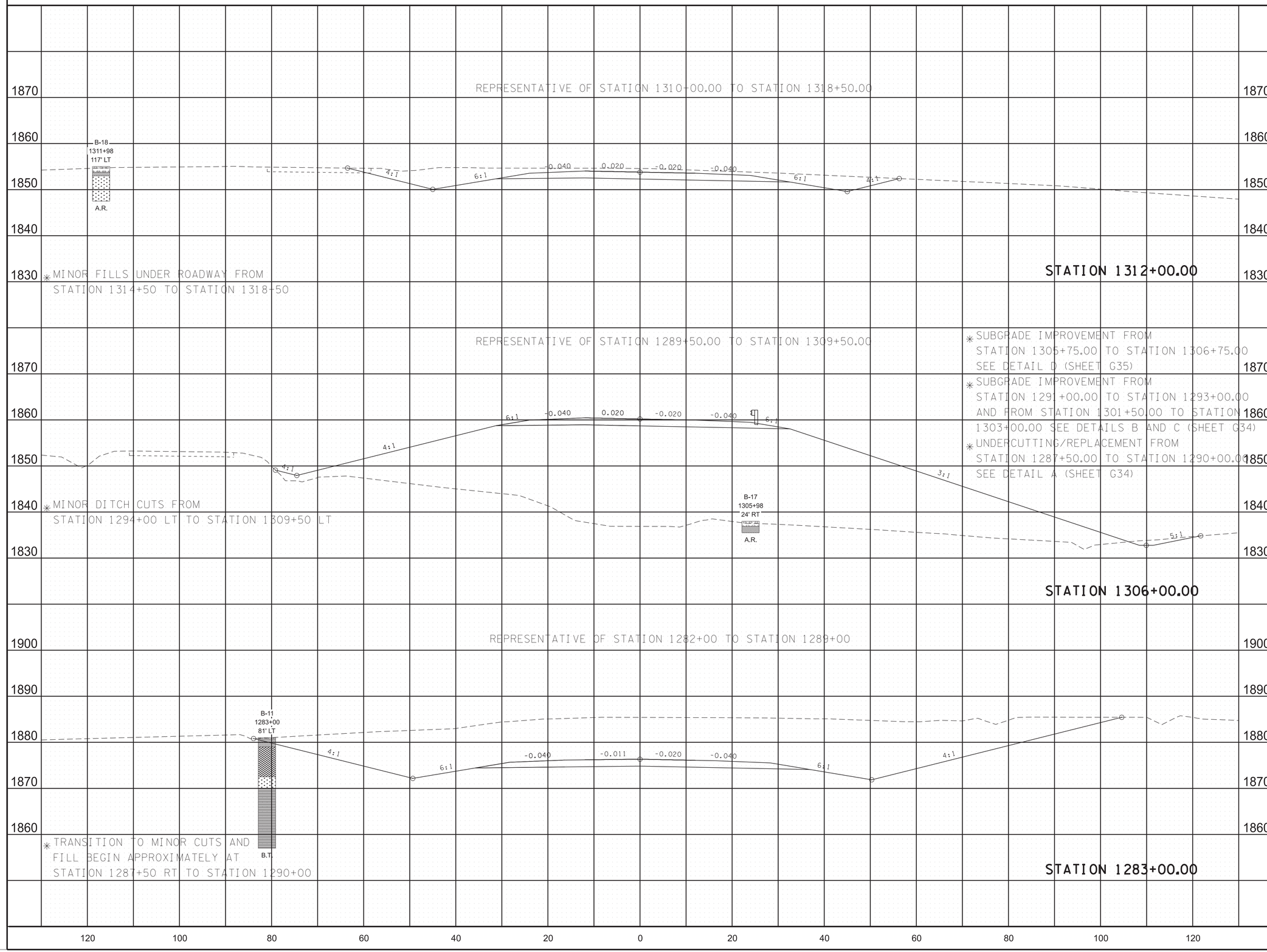
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

STA. 1431+50 TO STA. 1443+15
SCALE: 1"=50' HORIZ. 1"=5' VERT.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G29
PS&E	2026	STP/NH/HPP-28(32)	G29



LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
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- GRAVEL MIXED WITH BROWN CLAY (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN SAND (TYPE A MATERIAL)
- COAL (TYPE C MATERIAL)
- UNDIFFERENTIATED OVERBURDEN
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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Leanna S. Whitwell
3-31-2026

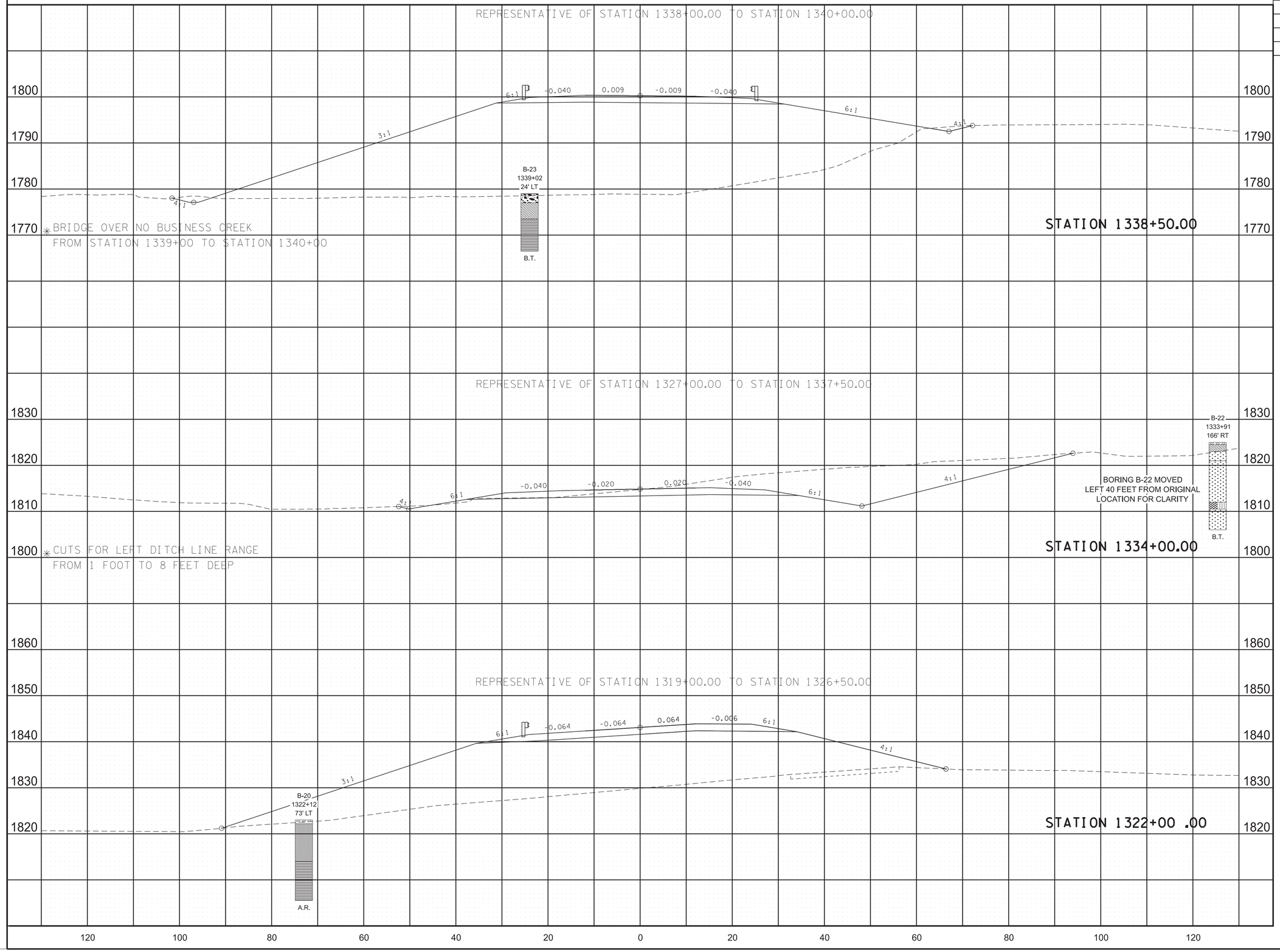
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL TYPICAL SECTIONS

SCALE: 1"=10'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G30
PS&E	2026	STP/NH/HPP-28(32)	G30



LEGEND

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- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
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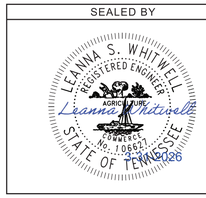
- SILTY SAND (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN CLAY (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN SAND (TYPE A MATERIAL)
- COAL (TYPE C MATERIAL)
- UNDIFFERENTIATED OVERBURDEN
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

SEALED BY



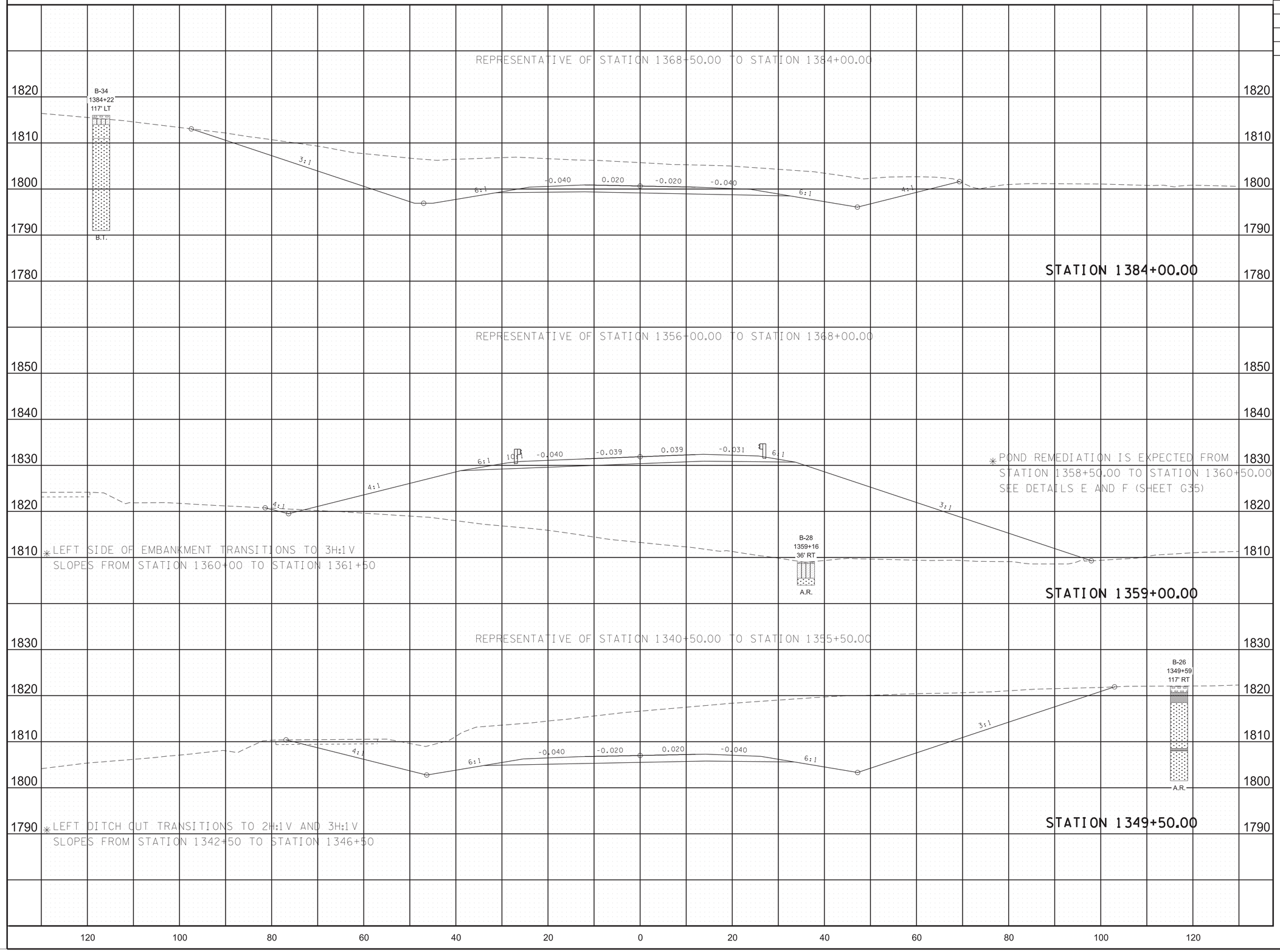
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

SCALE: 1"=10'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G31
PS&E	2026	STP/NH/HPP-28(32)	G31



LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
- FAT CLAY (TYPE A MATERIAL)
- ELASTIC SILT (TYPE A MATERIAL)
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A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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Leanna Whitwell
MAY 2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL TYPICAL SECTIONS

SCALE: 1"=10'

$$$$$YTIME$$$$$$$
$$$$DGNSPEC$$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G32
PS&E	2026	STP/NH/HPP-28(32)	G32

REPRESENTATIVE OF STATION 1401+50.00 TO STATION 1419+00.00

B-41
1405+07
70' RT

B.T.

4:1 6:1 -0.005 0.065 -0.065 -0.065 6:1 2:1

*LEFT DITCH CUT TRANSITIONS TO 2H:1V FROM STATION 1401+50 TO STATION 1403+00 AND 3H:1V SLOPES FROM STATION 1403+50 TO STATION 1404+00

STATION 1405+00.00

REPRESENTATIVE OF STATION 1399+00.00 TO STATION 1401+00.00

*POND REMEDIATION IS EXPECTED FROM STATION 1400+15.00 TO STATION 1400+85.00 SEE DETAIL G (SHEET G36)

NB-11
1398+88
72' LT

B.T.

4:1 6:1 -0.005 0.065 -0.065 -0.065 10:1 6:1 4:1

*LEFT DITCH CUT HAS 3H:1V SLOPE AT STATION 1401+00

STATION 1399+00.00

REPRESENTATIVE OF STATION 1384+50.00 TO STATION 1398+50.00

B-36
1388+67
49' RT

B.T.

2:1 6:1 -0.005 0.065 -0.065 -0.065 6:1 2:1

STATION 1388+50.00

LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
- FAT CLAY (TYPE A MATERIAL)
- ELASTIC SILT (TYPE A MATERIAL)
- CLAYEY SAND (TYPE A MATERIAL)
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- SHALE AND SANDSTONE (TYPE C MATERIAL)
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- GRAVEL MIXED WITH BROWN CLAY (TYPE A MATERIAL)
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- COAL (TYPE C MATERIAL)
- UNDIFFERENTIATED OVERBURDEN
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

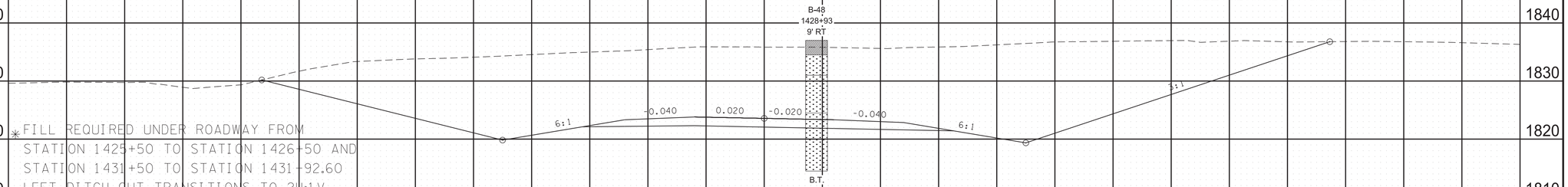
SCALE: 1"=10'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G33
PS&E	2026	STP/NH/HPP-28(32)	G33

REPRESENTATIVE OF STATION 1425+50.00 TO STATION 1432+00.00

✳WETLAND REPAIR IS EXPECTED FROM STATION 1431+00.00 TO STATION 1432+50.00 SEE DETAIL I (SHEET G36)

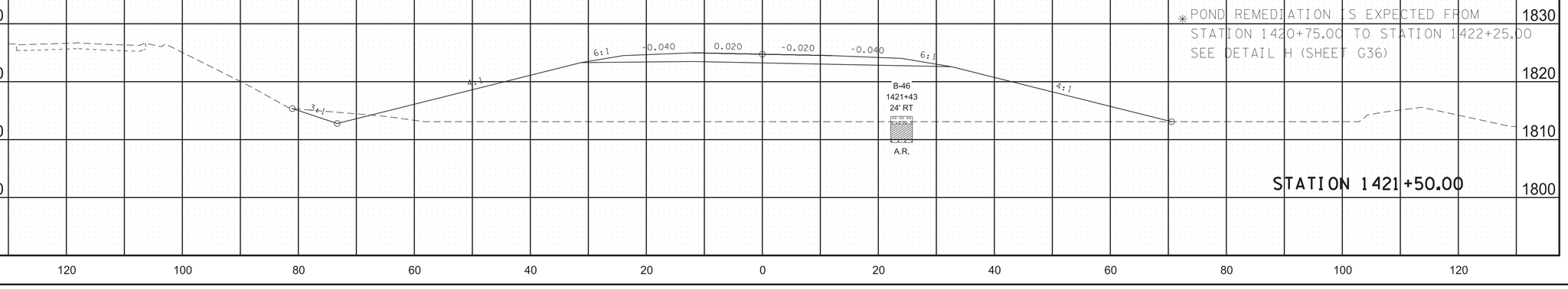


✳FILL REQUIRED UNDER ROADWAY FROM STATION 1425+50 TO STATION 1426+50 AND STATION 1431+50 TO STATION 1431+92.60 LEFT DITCH CUT TRANSITIONS TO 2H:1V SLOPE AT STATION 1427+00

STATION 1429+00.00

REPRESENTATIVE OF STATION 1419+50.00 TO STATION 1425+00.00

✳POND REMEDIATION IS EXPECTED FROM STATION 1420+75.00 TO STATION 1422+25.00 SEE DETAIL H (SHEET G36)



STATION 1421+50.00

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

LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
- FAT CLAY (TYPE A MATERIAL)
- ELASTIC SILT (TYPE A MATERIAL)
- CLAYEY SAND (TYPE A MATERIAL)
- SANDSTONE (TYPE C MATERIAL)
- SHALE AND SANDSTONE (TYPE C MATERIAL)
- SILTY SAND (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN CLAY (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN SAND (TYPE A MATERIAL)
- COAL (TYPE C MATERIAL)
- UNDIFFERENTIATED OVERBURDEN
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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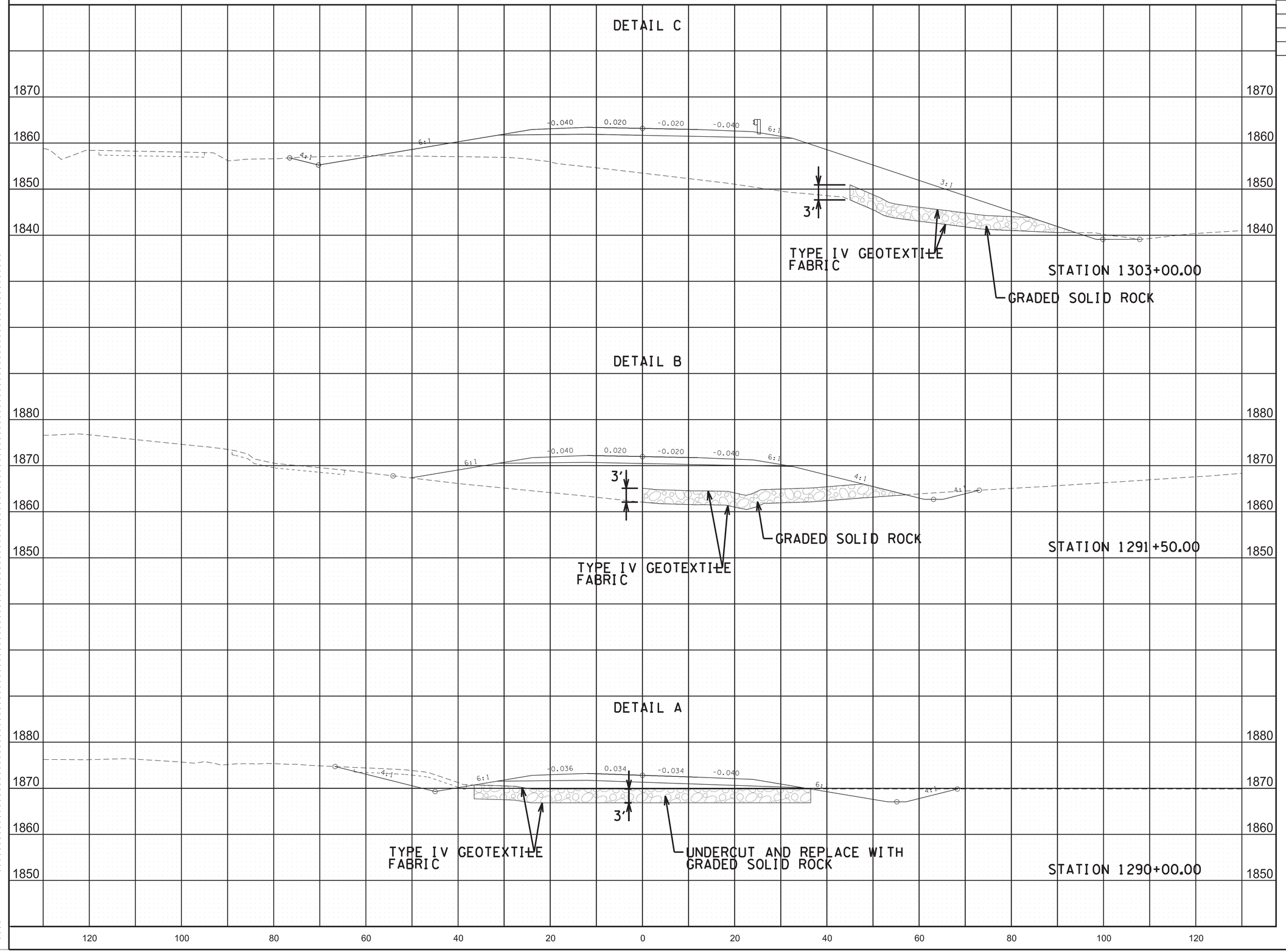
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

SCALE: 1"=10'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G34
PS&E	2026	STP/NH/HPP-28(32)	G34



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

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Leanna Whitwell
11-7-2026

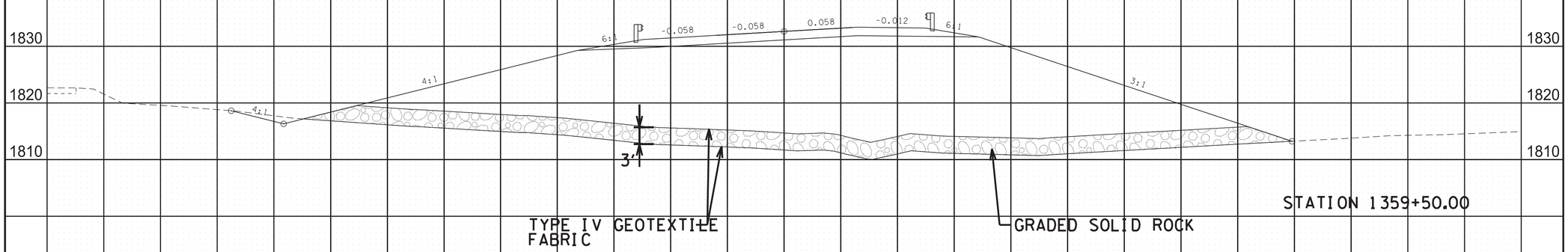
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL DETAILS

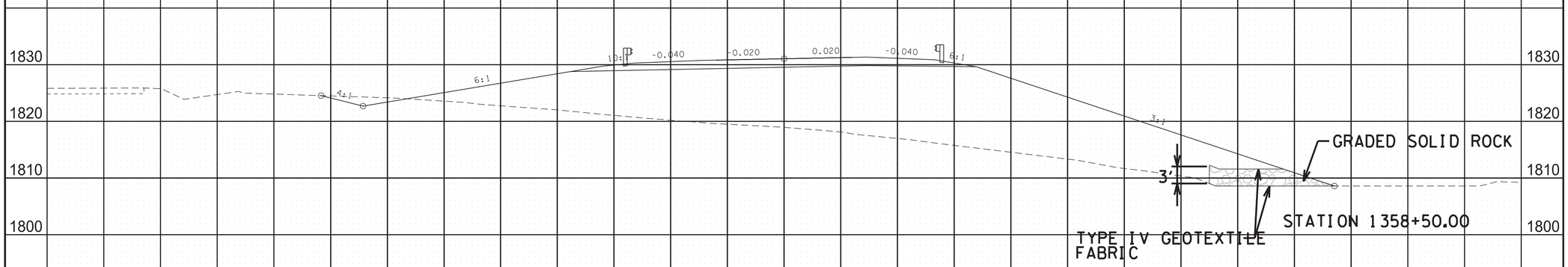
SCALE: 1"=10'

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G35
PS&E	2026	STP/NH/HPP-28(32)	G35

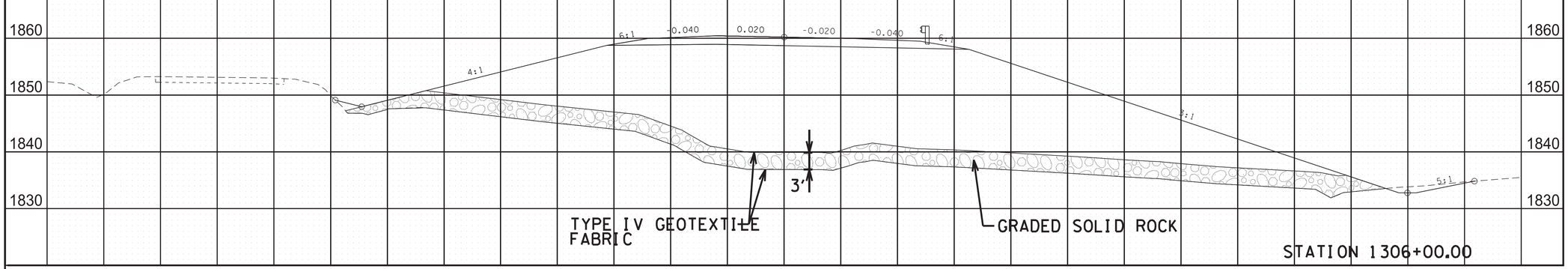
DETAIL F



DETAIL E



DETAIL D



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

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STATE OF TENNESSEE
1-2026

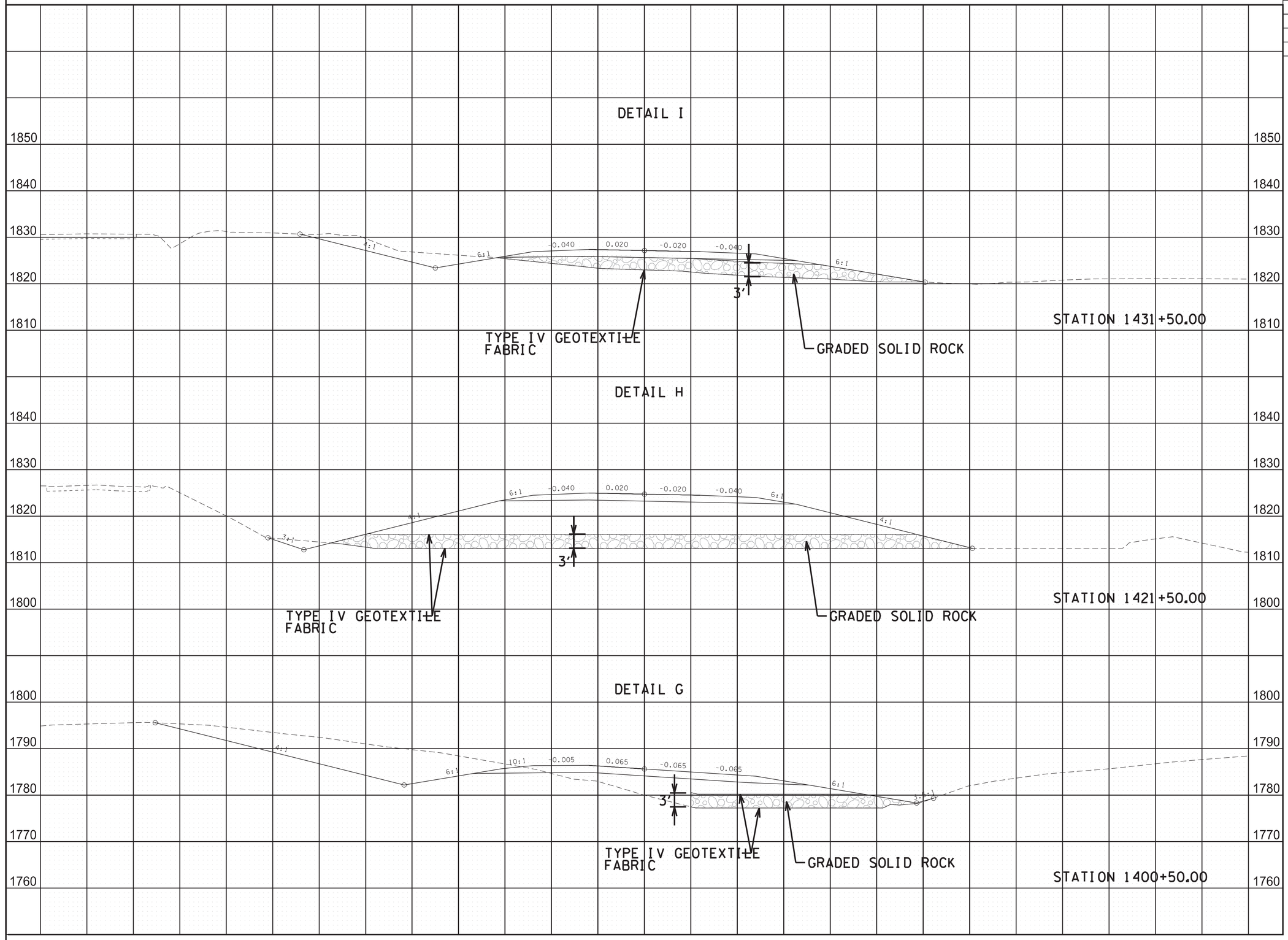
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL DETAILS

SCALE: 1"=10'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G36
PS&E	2026	STP/NH/HPP-28(32)	G36



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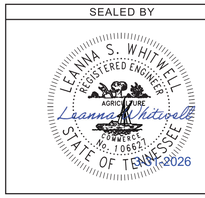


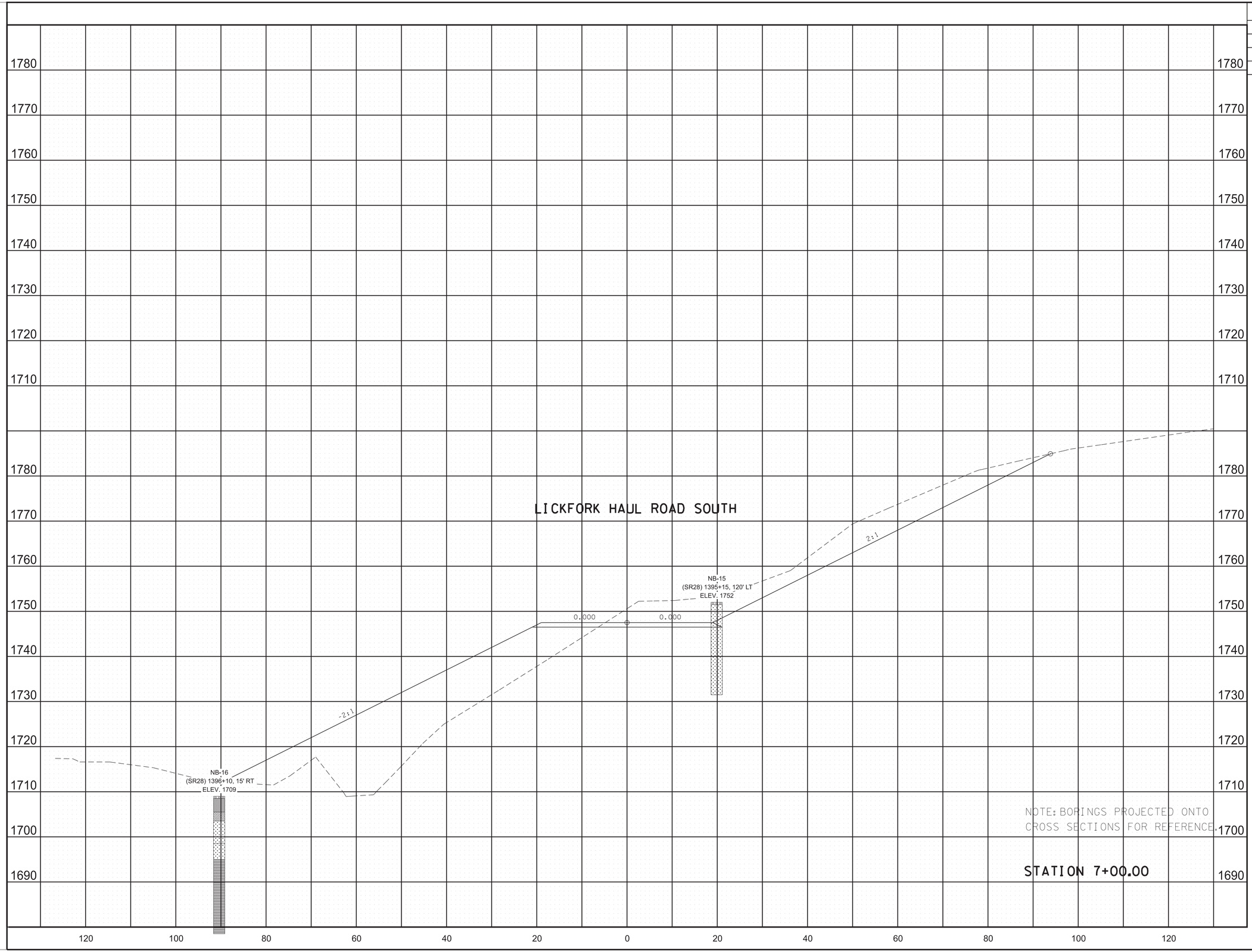
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

GEOTECHNICAL DETAILS

SCALE: 1"=10'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G37
PS&E	2026	STP/NH/HPP-28(32)	G37



LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
- FAT CLAY (TYPE A MATERIAL)
- ELASTIC SILT (TYPE A MATERIAL)
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- COAL (TYPE C MATERIAL)
- UNDIFFERENTIATED OVERBURDEN
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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Leanna Whitwell
3-31-2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

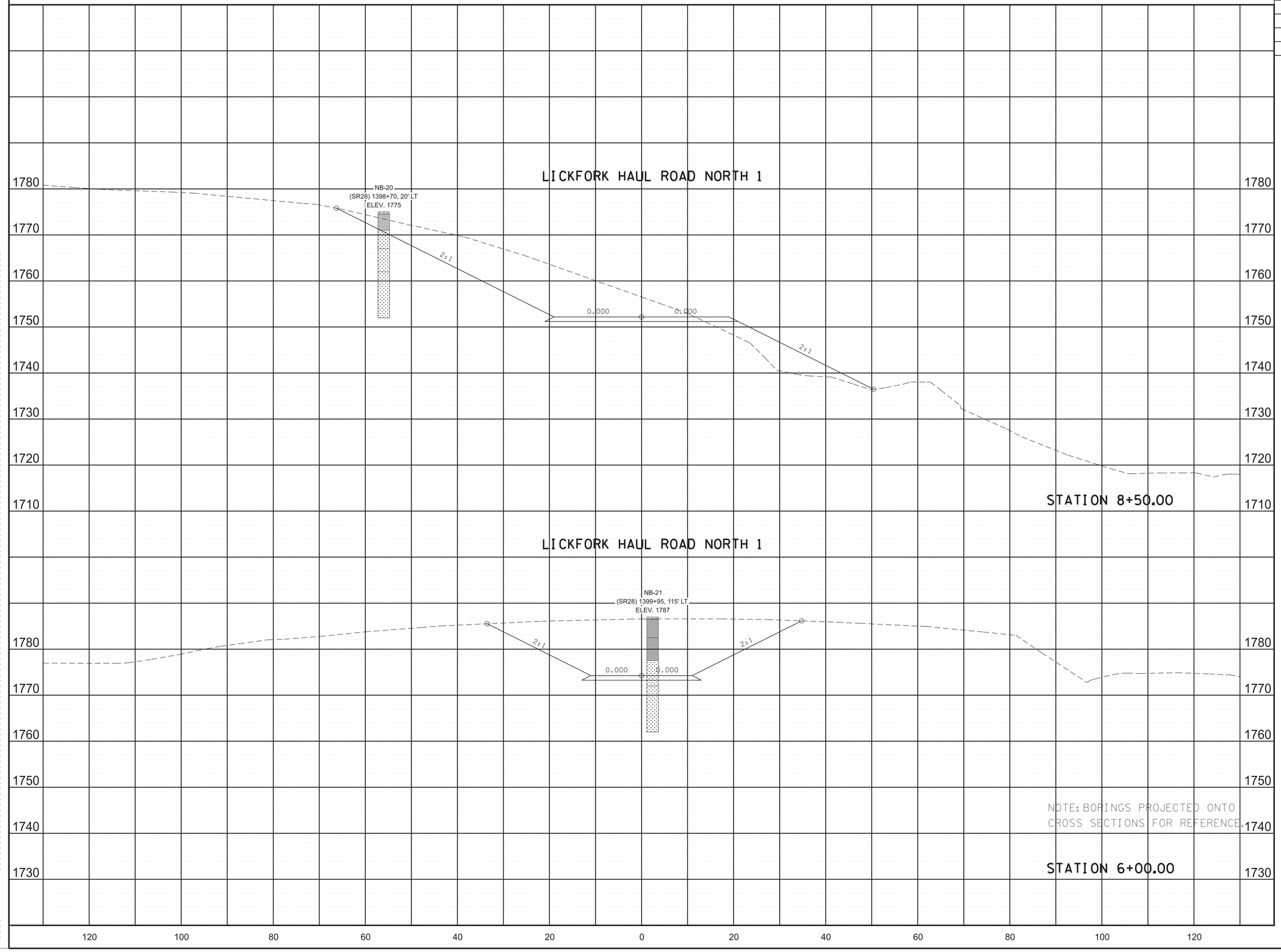
GEOTECHNICAL
TYPICAL SECTIONS

SCALE: 1"=10'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G38
PS&E	2026	STP/NH/HPP-28(32)	G38

LICKFORK HAUL ROAD NORTH 1



LEGEND

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A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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5-11-2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

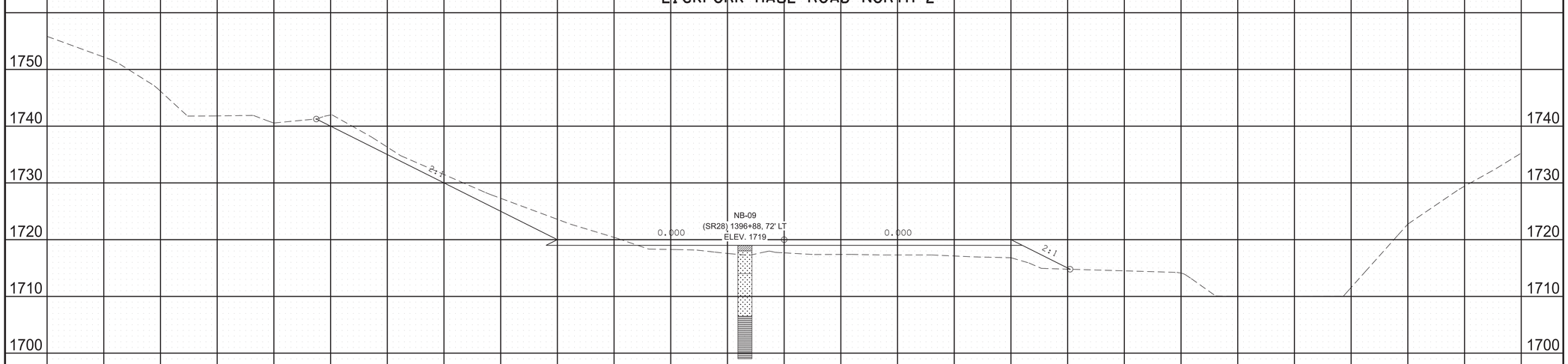
GEOTECHNICAL
TYPICAL SECTIONS

SCALE: 1"=10'

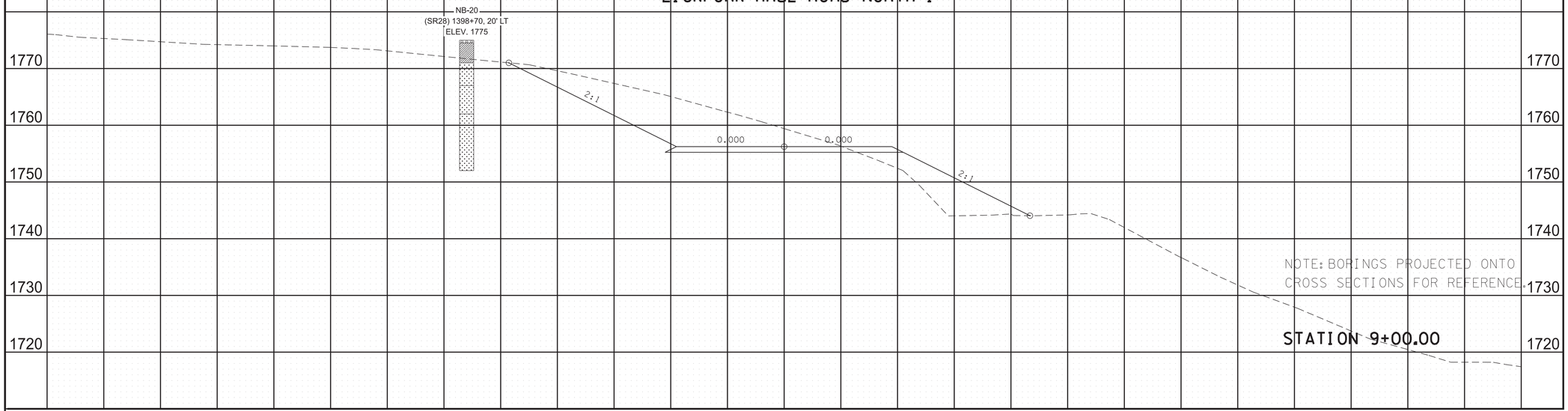
$$$$SYTIME$$$$$$$
$$$DGNSPEC$$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G39
PS&E	2026	STP/NH/HPP-28(32)	G39

LICKFORK HAUL ROAD NORTH 2



LICKFORK HAUL ROAD NORTH 1



LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
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A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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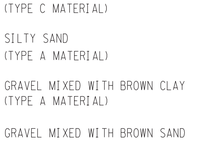


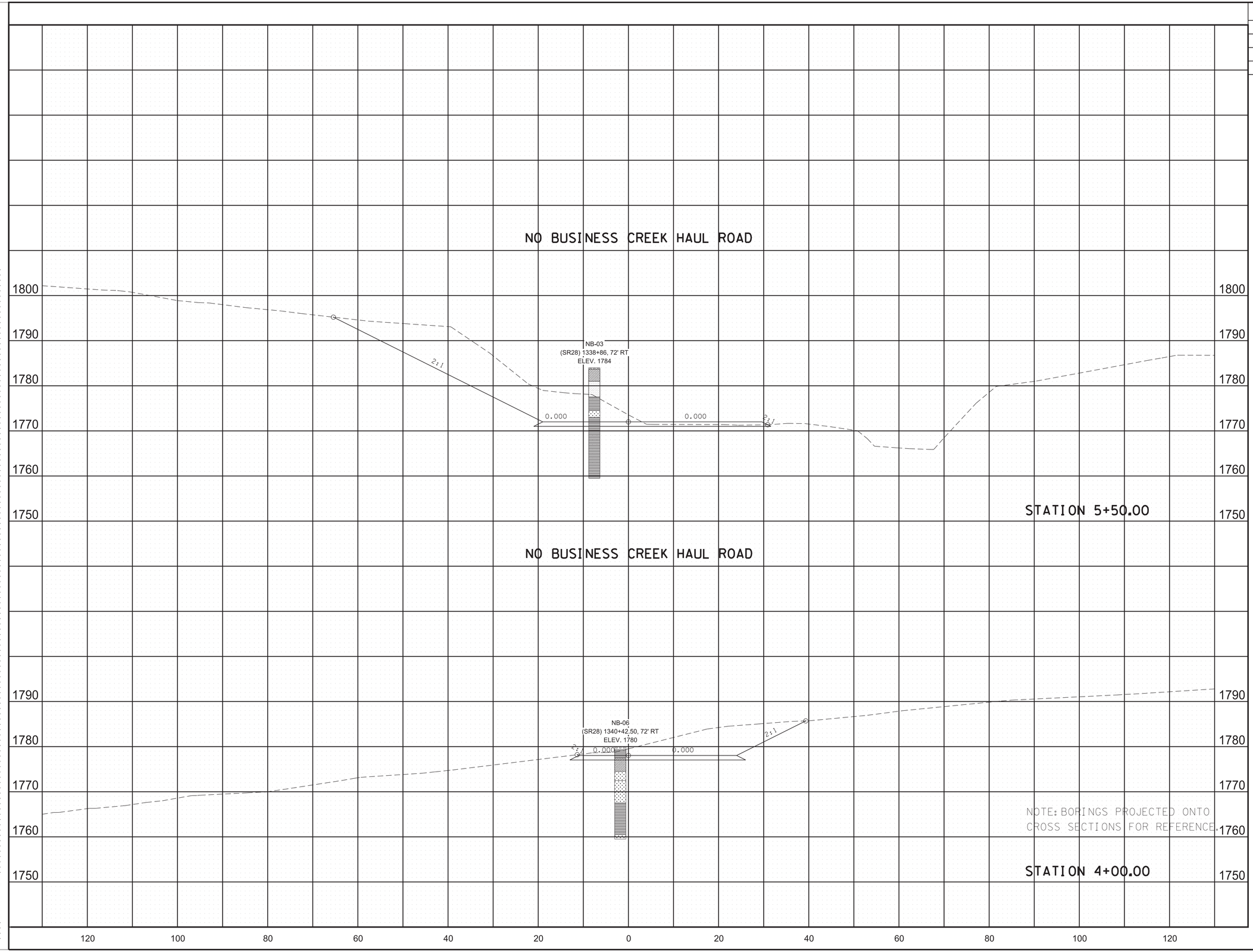
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

SCALE: 1"=10'

$$$$SYTIME$$$$$$$$
$$$$DGNSPECS$$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G40
PS&E	2026	STP/NH/HPP-28(32)	G40



LEGEND

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- LEAN CLAY (TYPE A MATERIAL)
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B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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9-31-2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

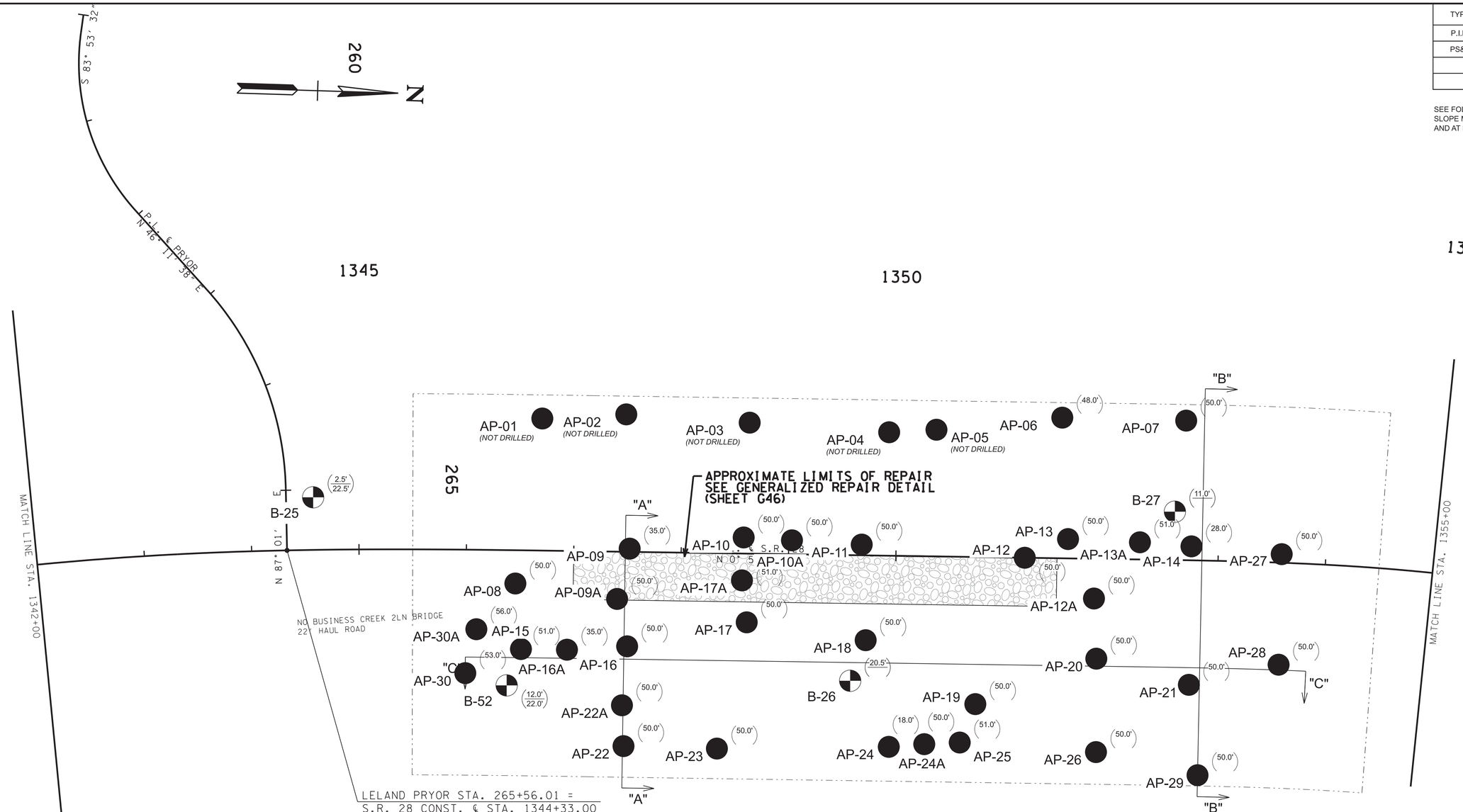
GEOTECHNICAL
TYPICAL SECTIONS

SCALE: 1"=10'

$$$$SYTIME$$$$$$$$
$$$$DGNSPECS$$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G41
PS&E	2026	STP/NH/HPP-28(32)	G41

SEE FOLLOWING SHEETS FOR APPROXIMATE SLOPE MINE BORING PROFILES AT CENTERLINE AND AT PROFILES "A - A", "B - B", AND "C - C"



SLOPE MINE NOTES:

1. A FORMER COAL MINE (SLOPE MINE) REPORTEDLY BISECTS THE SR 28 ALIGNMENT BETWEEN STATIONS 1346+00 AND 1354+00 AS SHOWN ABOVE. INFORMATION AVAILABLE ABOUT THE MINE DOES NOT SUGGEST THE MINE WAS FULLY RECLAIMED.
2. AIR PERCUSSION PROBE BORINGS PERFORMED IN THE STUDY AREA (APPROXIMATE LOCATIONS SHOWN ABOVE) IDENTIFIED A SUSPECT AREA IN SEVERAL TEST LOCATIONS RANGING BETWEEN ELEVATION 1800 FEET AND ELEVATION 1770 FEET. SUSPECT AREAS INCLUDED OPEN VOIDS, PARTIALLY FILLED VOIDS AND HIGHLY WEATHERED OR WEATHERED ZONES WITHIN THE BEDROCK (REFERENCE INDIVIDUAL BORING LOGS INCLUDED WITH A SUPPLEMENTAL REPORT PREPARED BY TTL, DATED MAY 20, 2025).
3. WHERE THE MINE IS PRESENT WITHIN 5 FEET OF PLANNED EXCAVATIONS, CONSTRUCTION SHOULD INCLUDE REPAIRS, SUCH AS EXPOSING OPEN VOIDS, IF PRESENT, AND BACKFILLING OPEN AREAS WITH GRADED SOLID ROCK. REFERENCE TYPICAL REPAIR DETAIL ON SHEET G46.
4. THE BEDROCK IN THIS AREA CONSISTS PREDOMINATELY OF SANDSTONE WITH INTERBEDDED LENSES OR LAYERS OF SHALE AND COAL, AND ZONES INCLUDING VARIOUS DEGREES OF WEATHERING. DURING NORMAL EXCAVATION ACTIVITIES, FRACTURING OF THE BEDROCK BECAUSE OF EXCAVATION METHODS, SUCH AS BLASTING, IS NOT PROBLEMATIC. HOWEVER, DUE TO THE PRESENCE OF MINE, THERE IS A CONCERN FOR SUBSIDENCE AS A RESULT OF BLASTING ACTIVITIES. THEREFORE, THE GRADING CONTRACTOR SHOULD TAKE INTO ACCOUNT THE PRESENCE OF THE MINE AND POTENTIAL SUBSIDENCE OF VOIDS WITHIN THE MINE AS A RESULT OF THEIR CONSTRUCTION ACTIVITIES BY INCLUDING APPROPRIATE BLAST MONITORING AND ADJUSTING THE FREQUENCY AND THUS AFFECTED ZONE OF BLASTS OR EVEN USING ALTERNATE EXCAVATION MEANS AND METHODS. SHOULD THE EXCAVATION OR OTHER CONSTRUCTION ACTIVITIES RESULT IN A SUBSIDENCE OF THE MINE ALONG OR ADJACENT TO THE ALIGNMENT, REPAIRS WILL BE REQUIRED.

LEGEND

- B-1 (24.5' / 70.3') — BORING LOCATION. DEPTH TO REFUSAL (ABOVE LINE), BOTTOM OF HOLE (BELOW LINE)
- B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL
- B-1 (24.5') — BORING LOCATION TERMINATION DEPTH (NO REFUSAL)
- AP-01 (24.5') — BORING LOCATION TERMINATION DEPTH

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Leanna Whitwell
2/24/2026

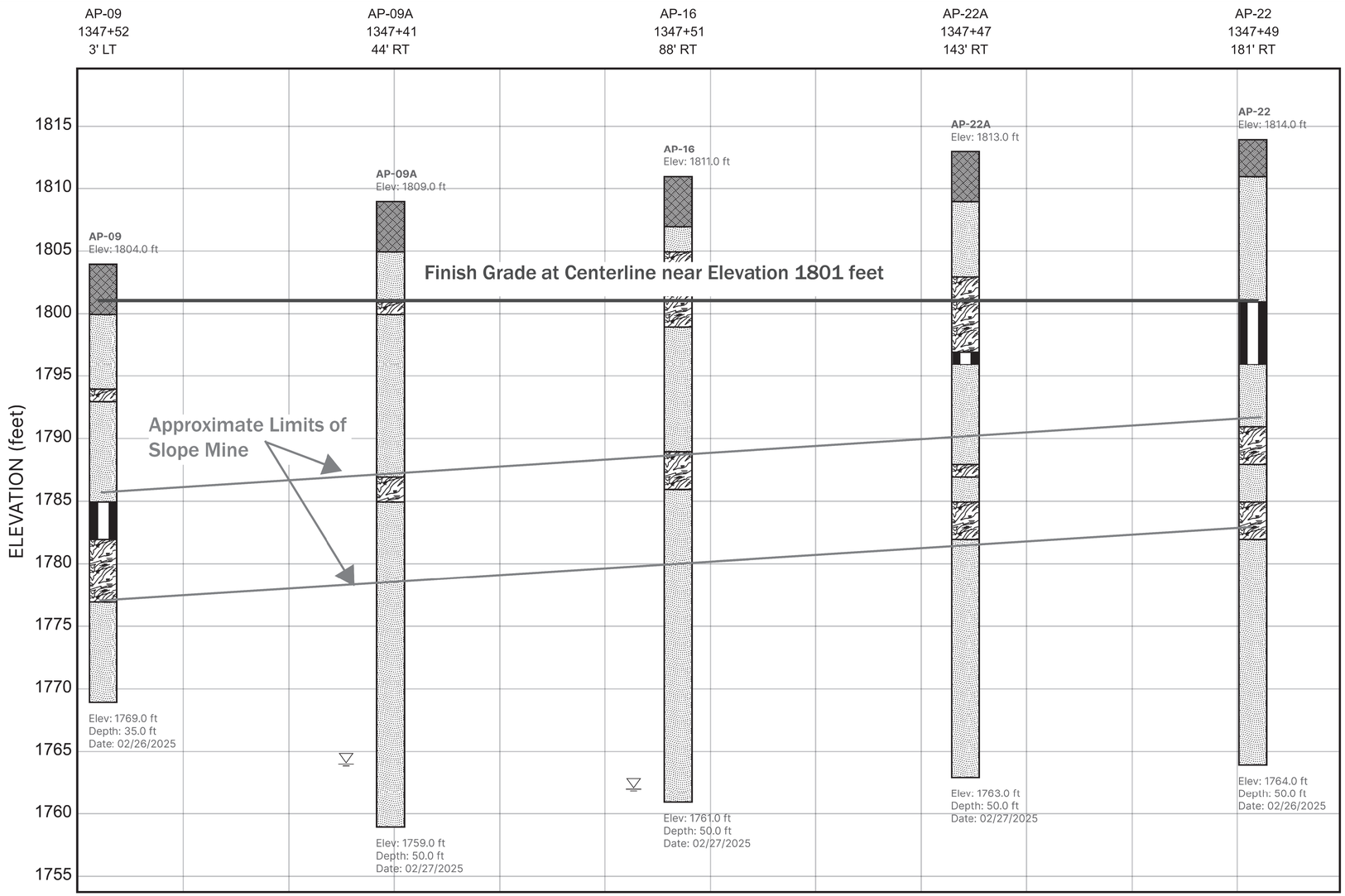
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
SLOPE MINE
PLAN VIEW

SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G42
PS&E	2026	STP/NH/HPP-28(32)	G42



SPACED EVENLY

"A - A" PROFILE

STATION 1347+50

BORING NO.	STATION	OFFSET	GROUND ELEVATION	TOTAL DEPTH
AP-09	1347+52	3' LT	1804.0	35.0'
AP-09A	1347+41	44' RT	1809.0	50.0'
AP-16	1347+51	88' RT	1811.0	50.0'
AP-22A	1347+47	143' RT	1813.0	50.0'
AP-22	1347+49	181' RT	1814.0	50.0'

NOTES:
LOCATIONS AND LIMITS ARE APPROXIMATE.
PROBE LOCATIONS WERE PROJECTED ONTO THE CROSS SECTION FOR THIS STATION.
ACTUAL LIMITS OF SLOPE MINE MAY VARY BETWEEN PROBES.

LEGEND

- BEDROCK
- WEATHERED ROCK
- UNDIFFERENTIATED OVERBURDEN
- OPEN VOID
- PARTIALLY FILLED CAVITY

SEALED BY

LEANNA S. WHITWELL
REGISTERED ENGINEER
AGRICULTURE
TOMBACT
NO. 139647
STATE OF TENNESSEE
5-31-2026

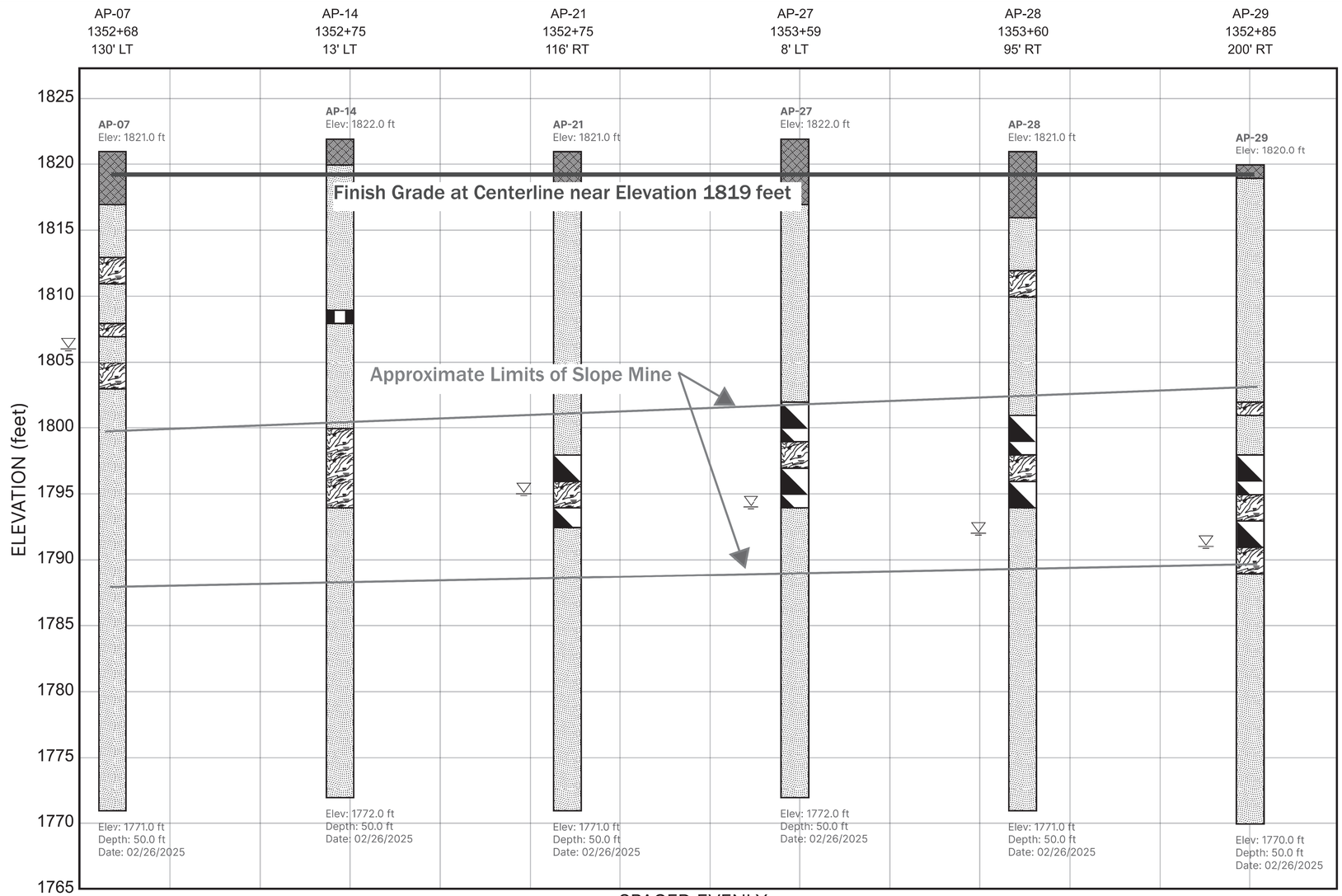
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL SLOPE MINE PROFILE

STA. 1347+50
SCALE: N.T.S.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G43
PS&E	2026	STP/NH/HPP-28(32)	G43



SPACED EVENLY

"B - B" PROFILE

STATION 1352+75

BORING NO.	STATION	OFFSET	GROUND ELEVATION	TOTAL DEPTH
AP-07	1352+68	130' LT	1821.0	50.0'
AP-14	1352+75	13' LT	1822.0	50.0'
AP-21	1352+75	116' RT	1821.0	50.0'
AP-27	1353+59	8' LT	1822.0	50.0'
AP-28	1353+60	95' RT	1821.0	50.0'
AP-29	1352+85	200' RT	1820.0	50.0'

NOTES:
LOCATIONS AND LIMITS ARE APPROXIMATE.
PROBE LOCATIONS WERE PROJECTED ONTO THE CROSS SECTION FOR THIS STATION.
ACTUAL LIMITS OF SLOPE MINE MAY VARY BETWEEN PROBES.

LEGEND

- BEDROCK
- WEATHERED ROCK
- UNDIFFERENTIATED OVERBURDEN
- OPEN VOID
- PARTIALLY FILLED CAVITY

SEALED BY



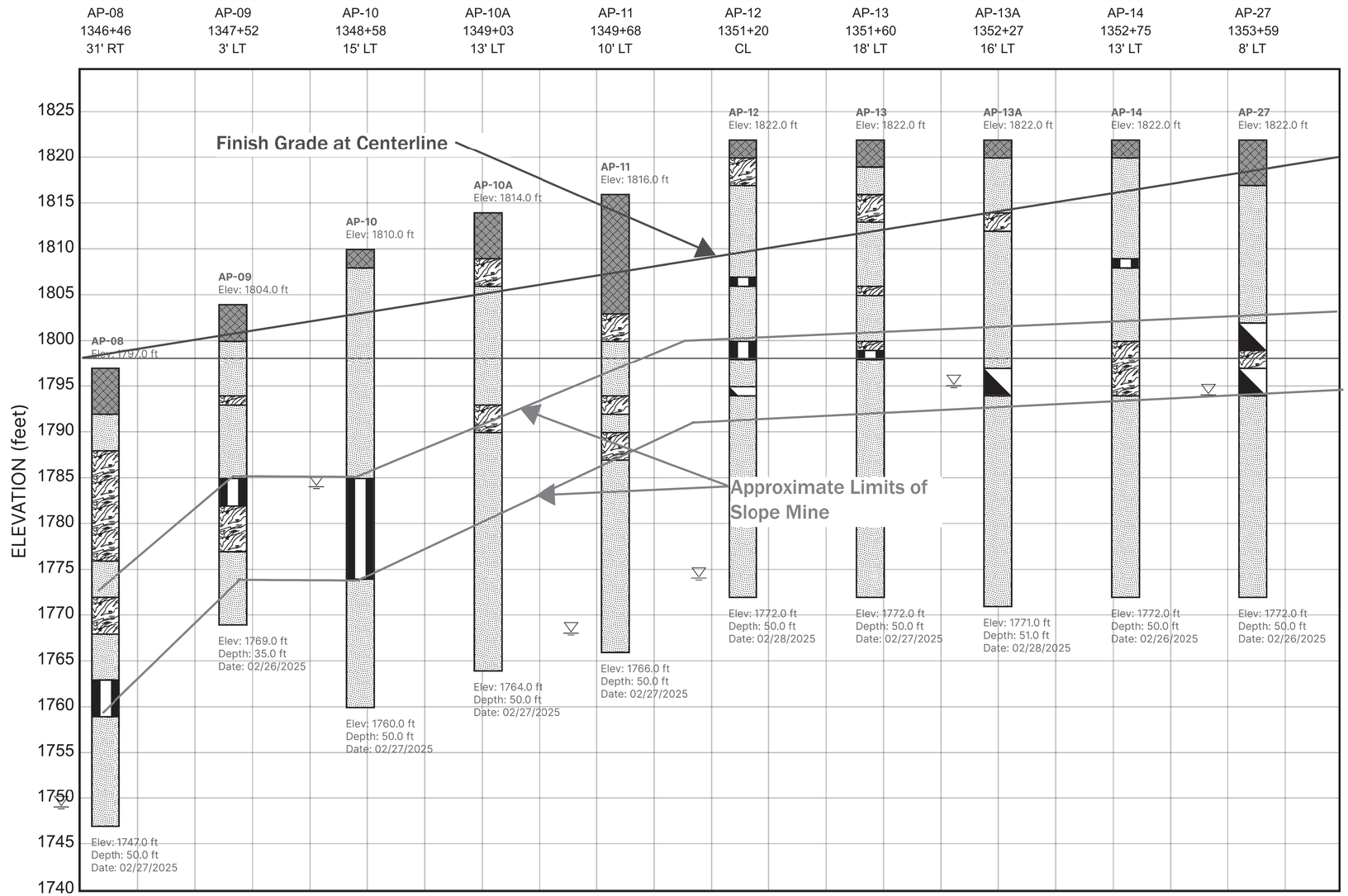
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
SLOPE MINE PROFILE

STA. 1353+00
SCALE: N.T.S.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G44
PS&E	2026	STP/NH/HPP-28(32)	G44



SPACED EVENLY

SR-28 CENTERLINE PROFILE

STATION 1346+00 TO STATION 1353+50

LEGEND

- BEDROCK
- WEATHERED ROCK
- UNDIFFERENTIATED OVERBURDEN
- OPEN VOID
- PARTIALLY FILLED CAVITY

BORING NO.	STATION	OFFSET	GROUND ELEVATION	TOTAL DEPTH
AP-08	1346+46	31' RT	1797.0	50.0'
AP-09	1347+52	3' LT	1804.0	35.0'
AP-10	1348+58	15' LT	1810.0	50.0'
AP-10A	1349+03	13' LT	1814.0	50.0'
AP-11	1349+68	10' LT	1816.0	50.0'
AP-12	1351+20	CL	1822.0	50.0'
AP-13	1351+60	18'LT	1822.0	50.0'
AP-13A	1352+27	16' LT	1822.0	51.0'
AP-14	1352+75	13' LT	1822.0	50.0'
AP-27	1353+59	8' LT	1822.0	50.0'

NOTES:
LOCATIONS AND LIMITS ARE APPROXIMATE.
PROBE LOCATIONS WERE PROJECTED ONTO THE CROSS SECTION FOR THIS STATION.
ACTUAL LIMITS OF SLOPE MINE MAY VARY BETWEEN PROBES.

SEALED BY

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Leanna Whitwell
1-MAY-2026

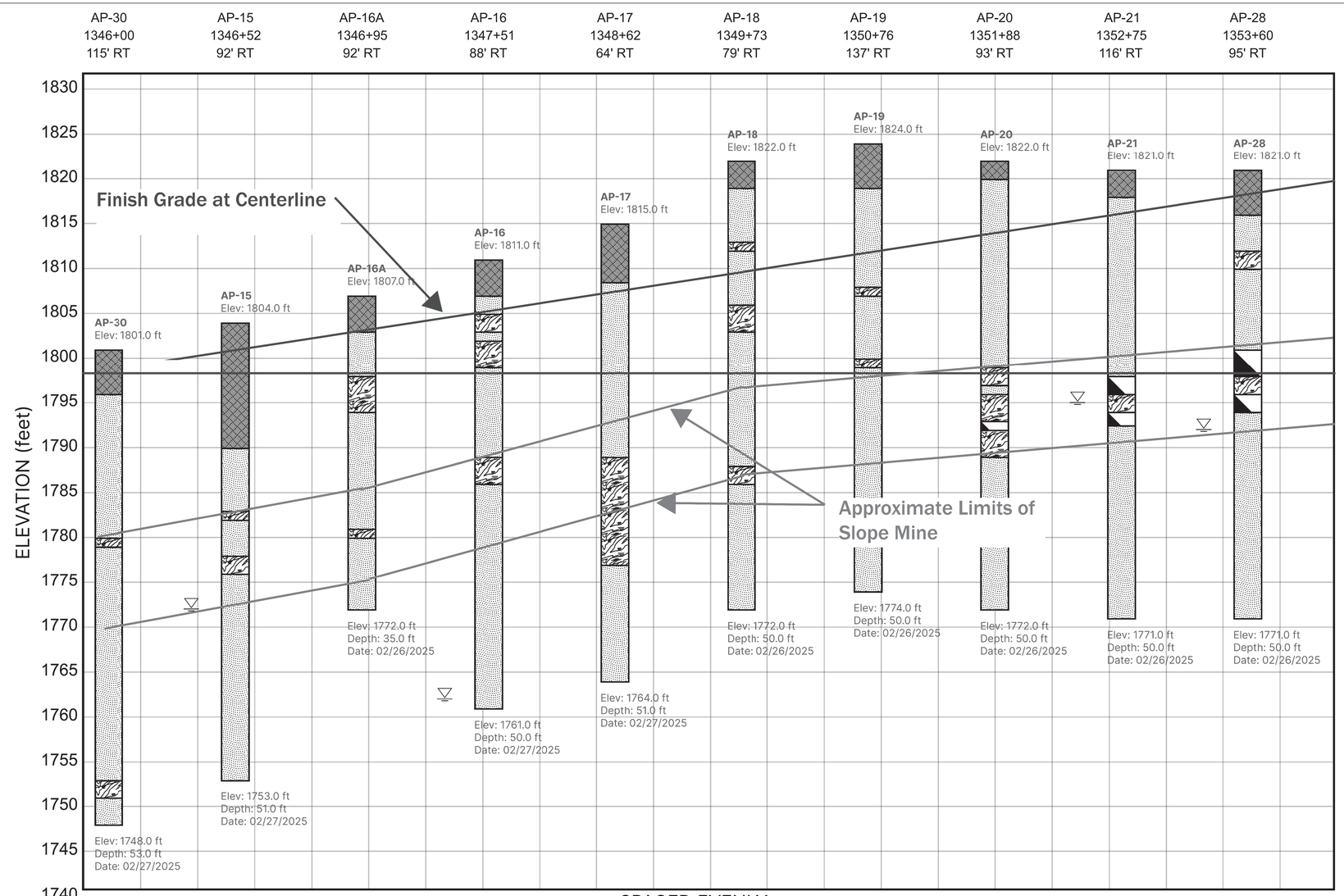
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
SLOPE MINE PROFILE

CENTERLINE
STA. 1346+00 TO STA. 1353+00
SCALE: N.T.S.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G45
PS&E	2026	STP/NH/HPP-28(32)	G45



SPACED EVENLY

"C - C" PROFILE

100 FT RT OF CENTERLINE FROM

STATION 1346+00 TO STATION 1353+50

BORING NO.	STATION	OFFSET	GROUND ELEVATION	TOTAL DEPTH
AP-30	1346+00	115' RT	1801.0	53.0'
AP-15	1346+52	92' RT	1804.0	51.0'
AP-16A	1346+95	92' LT	1807.0	35.0'
AP-16	1347+51	88' RT	1811.0	50.0'
AP-17	1348+62	64' RT	1815.0	51.0'
AP-18	1349+73	79' RT	1822.0	50.0'
AP-19	1350+76	137' RT	1824.0	50.0'
AP-20	1351+88	93' RT	1822.0	50.0'
AP-21	1352+75	116' RT	1821.0	50.0'
AP-28	1353+60	95' RT	1821.0	50.0'

LEGEND

- BEDROCK
- WEATHERED ROCK
- UNDIFFERENTIATED OVERBURDEN
- OPEN VOID
- PARTIALLY FILLED CAVITY

NOTES:
LOCATIONS AND LIMITS ARE APPROXIMATE.
PROBE LOCATIONS WERE PROJECTED ONTO THE CROSS SECTION FOR THIS STATION.
ACTUAL LIMITS OF SLOPE MINE MAY VARY BETWEEN PROBES.

SEALED BY



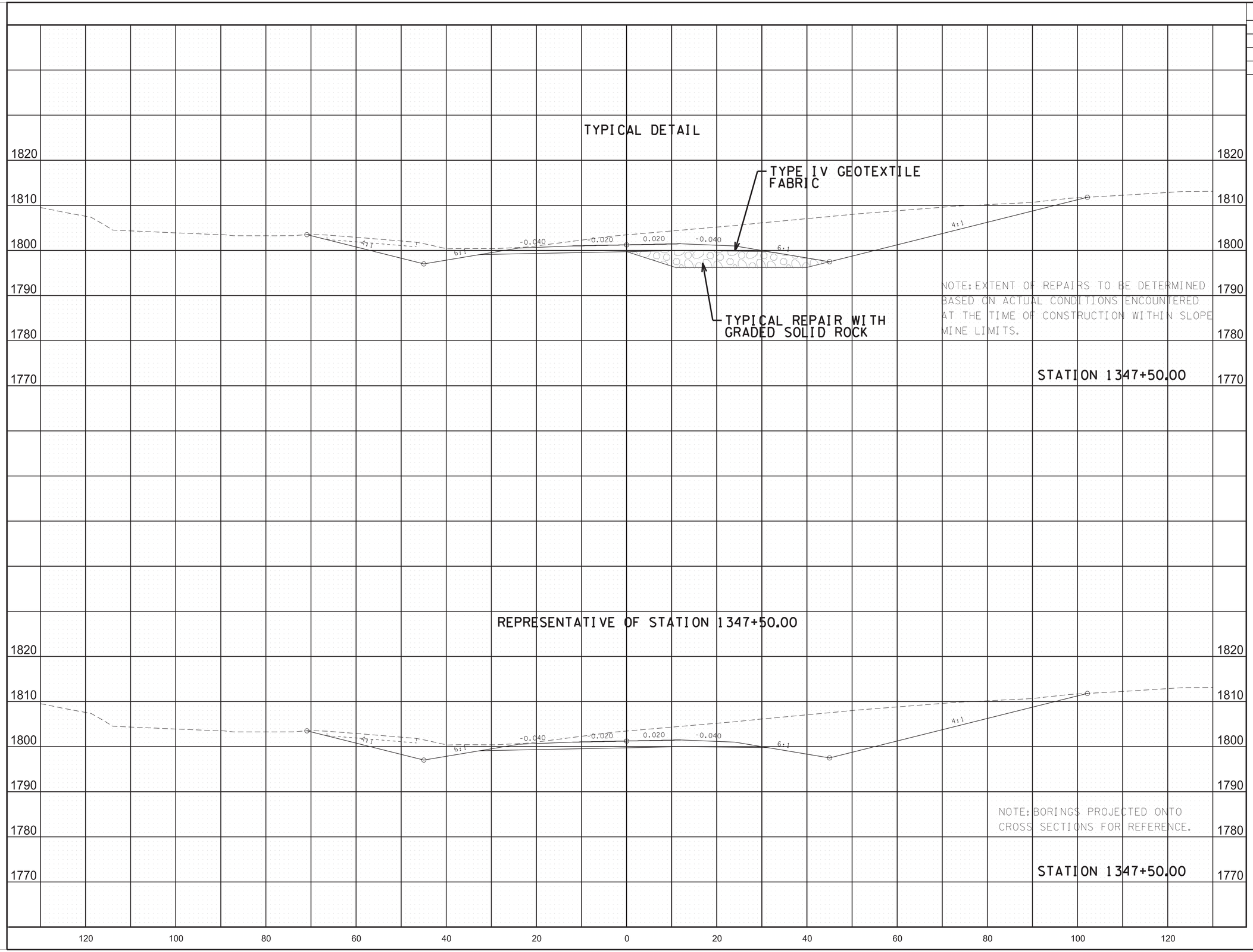
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
SLOPE MINE PROFILE

100' RT OF CENTERLINE
STA. 1346+00 TO STA. 1353+00
SCALE: N.T.S.

$$$$$DGNSPEC$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2026	STP/NH/HPP-28(32)	G46
PS&E	2026	STP/NH/HPP-28(32)	G46



LEGEND

- TOPSOIL (TYPE A MATERIAL)
- LEAN CLAY (TYPE A MATERIAL)
- SHALE (TYPE C MATERIAL)
- FAT CLAY (TYPE A MATERIAL)
- ELASTIC SILT (TYPE A MATERIAL)
- CLAYEY SAND (TYPE A MATERIAL)
- SANDSTONE (TYPE C MATERIAL)
- SHALE AND SANDSTONE (TYPE C MATERIAL)
- SILTY SAND (TYPE A MATERIAL)
- GRAVEL MIXED WITH BROWN CLAY (TYPE A MATERIAL)
- WEATHERED ROCK
- GRAVEL MIXED WITH BROWN SAND (TYPE A MATERIAL)
- COAL (TYPE C MATERIAL)
- UNDIFFERENTIATED OVERBURDEN
- OPEN VOID

A.R. AUGER REFUSAL
B.T. BORING TERMINATED

TYPE MATERIAL - SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES & TAB. QUANTITIES SHEET

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Leanna S. Whitwell
5-31-2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL GENERALIZED SLOPE MINE DETAIL

SCALE: 1"=10'

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

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	18008-1218-14	
CONST.	2026	18008-3230-14	S-1

SWPPP INDEX OF SHEETS

DESCRIPTION	SHT.
1. SWPPP REQUIREMENTS (5.0.)	1
2. SITE DESCRIPTION (5.5.1.)	1
3. ORDER OF CONSTRUCTION ACTIVITIES (5.5.1.a)	1
4. STREAM, OUTFALL, WETLAND, TMDL AND ECOLOGY INFORMATION	1-2
5. EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES (5.5.3.)	3 3
6. FLOCCULANTS (3.5.3.1.b)	3
7. UTILITY RELOCATION	3-4
8. MAINTENANCE AND INSPECTION	4
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10. STORMWATER MANAGEMENT (5.5.3.11.h)	4-5
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16. ENVIRONMENTAL PERMITS (1.5.2.)	7
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NOTE: CITATIONS IN PARENTHESIS INDICATE SECTIONS OF THE CURRENT CGP.

1. SWPPP REQUIREMENTS (5.0.)

1.1. HAS THE SWPPP TEMPLATE BEEN PREPARED BY AN INDIVIDUAL THAT HAS THE FOLLOWING LICENSING AND/OR CERTIFICATIONS (5.2)?

☒ YES (CHECK ALL THAT APPLY BELOW) OR ☐ NO

- ☐ CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC)
- ☒ A TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT
- ☒ HAS SUCCESSFULLY COMPLETED TDEC LEVEL II COURSE

1.2. DO THE EPSC PLANS INVOLVE STRUCTURAL DESIGN, HYDRAULIC, HYDROLOGIC OR OTHER ENGINEERING CALCULATIONS FOR EPSC STRUCTURAL MEASURES (E.G. SEDIMENT BASINS) (5.2.)? YES ☐ NO ☒

IF YES, HAVE THE EPSC PLANS BEEN PREPARED, STAMPED AND CERTIFIED BY A TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT? ☒ YES ☐ NO

1.3. DO THE PROJECT STORMWATER OUTFALLS DISCHARGE INTO THE FOLLOWING (6.4.1.)? ☐ YES (CHECK ALL THAT APPLY BELOW) ☒ NO

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

2. SITE DESCRIPTION (5.5.1.)

2.1. PROJECT LIMITS (5.5.1.f): REFER TO TITLE SHEET

2.2. TOTAL PROJECT AREA (5.5.1.b): 130.22 ACRES

2.3. TOTAL AREA TO BE DISTURBED (5.5.1.b): 88.72 ACRES

2.4. PROJECT DESCRIPTION (5.5.1.a):

TITLE: SR-28 (US-127) FROM NEAR POTATO FARM ROAD TO NEAR HOLLOW LANE (TMA) (EPD)
COUNTY: CUMBERLAND
PIN: 100260.03

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) 48-48M, DRAINAGE MAP SHEET(S) 35-38, USGS QUAD MAP, AND THE OUTFALL TABLE IN SECTION 4.2.

2.7. MAJOR SOIL DISTURBING ACTIVITIES (5.5.1.a) (CHECK ALL THAT APPLY):

- ☒ CLEARING AND GRUBBING
- ☒ EXCAVATION
- ☒ CUTTING AND FILLING
- ☒ FINAL GRADING AND SHAPING
- ☒ UTILITIES
- ☐ OTHER (DESCRIBE): _____

2.8. NO MORE THAN 50 ACRES OF ACTIVE SOIL DISTURBANCE IS ALLOWED AT ANY TIME DURING THE CONSTRUCTION OF THE PROJECT.

2.9. ARE THERE ANY SEASONAL LIMITATIONS ON WORK? ☒ YES ☐ NO

IF YES, LIST THE CORRESPONDING PLAN SHEET: 18

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)
JvF – Jefferson-Varilla-Shelocta complex	A	6.4	.17
LIB – Lily loam	B	15.0	.24
LIC – Lily loam	B	48.4	.24
LID – Lily loam	B	14.1	.24
LwB – Lonewood loam	B	14.1	.28
RrF – Ramsey-Rock outcrop complex	D	2.0	.43

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

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

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

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

RUNOFF COEFFICIENTS FOR EXISTING CONDITIONS

AREA TYPE	AREA(AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
IMPERVIOUS	16.25	12.2		0.9
PERVIOUS	116.97	87.8		0.38
WEIGHTED CURVE NUMBER OR C-FACTOR =				0.44

RUNOFF COEFFICIENTS FOR POST-CONSTRUCTION CONDITIONS

AREA TYPE	AREA(AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
IMPERVIOUS	25.77	19.3		0.9
PERVIOUS	107.45	80.7		0.40
WEIGHTED CURVE NUMBER OR C-FACTOR =				0.49

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 48-50M)

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 TEMPORARY DIVERSION CULVERTS AND CHANNELS TO DIVERT FLOW WHILE PROPOSED STRUCTURES ARE CONSTRUCTED.

3.9. INSTALL CULVERTS AND BRIDGE STRUCTURES.

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

3.11. PERFORM FINAL GRADING AND INSTALL BASE STONE.

3.12. COMPLETE FINAL PAVING AND SEALING OF CONCRETE.

3.13. INSTALL TRAFFIC CONTROL AND PROTECTION DEVICES.

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

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

3.16. 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	SCALE CREEK	NO	NO	YES	YES
STR-4 (NO BUSINESS CREEK)	NO BUSINESS CREEK	NO	NO	YES	YES
STR-5	NO BUSINESS CREEK	NO	NO	YES	YES
STR-6	NO BUSINESS CREEK	NO	NO	YES	YES
STR-7	LICKFORK CREEK	NO	NO	YES	YES
STR-8 (LICKFORK CREEK)	NO BUSINESS CREEK	NO	NO	YES	YES
STR-9	LICKFORK CREEK	NO	NO	YES	YES

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	18008-1218-14	
CONST.	2026	18008-3230-14	S-2

RECEIVING WATERS OF THE STATE INFORMATION					
TDOT STATE WATER LABEL FROM EBR	NAME OF RECEIVING STATE WATER	303d WITH UNAVAILABLE PARAMETERS FOR SILTATION (YES OR NO)	ETW (YES OR NO)	LOCATED WITHIN PROJECT LIMITS (YES OR NO)	LOCATED WITHIN ≤ 1 FLOW MILE DOWN GRADIENT OF PROJECT LIMITS (YES OR NO)
STR-10	TRIB. TO LICKFORK CREEK	NO	NO	YES	YES
STR-11	TRIB. TO LICKFORK CREEK	NO	NO	YES	YES
STR-12	TRIB. TO LICKFORK CREEK	NO	NO	YES	YES

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

WET WEATHER CONVEYANCES THAT ARE WATERS OF THE US
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) _____.

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-8-10 FOR OUTFALL INFORMATION.

4.2.2. HAVE ALL OUTFALLS BEEN LABELED ON THE EPSC PLAN SHEETS (5.5.1.f)? ☒ YES ☐ NO

4.2.3. HAVE ALL OUTFALLS BEEN LABELED ON A USGS TOPOGRAPHIC MAP INCLUDED IN THE "DOCUMENTATION AND PERMITS" BINDER (3.2.2.)? ☒YES ☐ NO

4.2.4. WHERE POSSIBLE, HAS NON-PROJECT RUN-ON BEEN DIVERTED AROUND OR THROUGH THE PROJECT TO ELIMINATE CONTACT WITH DISTURBED AREAS OF THE PROJECT AND SEPARATE IT FROM PROJECT RUN-OFF THEREBY REDUCING THE DRAINAGE AREA OF TO THE OUTFALLS IN THIS AREA?

☒ YES ☐ NO ☐ N/A

4.2.5. ARE EQUIVALENT MEASURES BEING SUBSTITUTED FOR A SEDIMENT BASIN(S) OR SEDIMENT TRAP(S)? (5.5.3.5.)

☐ YES ☒ NO ☐ N/A

4.2.6. A SEDIMENT BASIN, OR EQUIVALENT MEASURE(S) WILL BE PROVIDED FOR ANY OUTFALL IN A DRAINAGE AREA:

OF TEN ACRES OR MORE FOR AN OUTFALL(S) THAT DOES NOT DISCHARGE TO A STATE STREAM WITH UNAVAILABLE PARAMETERS OR EXCEPTIONAL TENNESSEE WATERS (ETW). A TEMPORARY (OR PERMANENT) SEDIMENT BASIN OR EQUIVALENT CONTROL MEASURES THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A MINIMUM 2-YEAR/ 24-HOUR STORM EVENT, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (5.5.3.5)

OR

OF FIVE ACRES OR MORE FOR AN OUTFALL(S) THAT DISCHARGES TO A STATE STREAM WITH UNAVAILABLE PARAMETERS OR EXCEPTIONAL TENNESSEE WATERS (ETW). A TEMPORARY (OR PERMANENT) SEDIMENT BASIN THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/ 24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (6.4.1.e).

ALL CALCULATIONS RELATED TO DRAINAGE AREAS, RUNOFF COEFFICIENTS, BASIN VOLUMES AND EQUIVALENT CONTROL MEASURES MUST BE PROVIDED IN THE SWPPP (5.5.3.5.)

4.2.7. A SEDIMENT TRAP, OR EQUIVALENT MEASURE(S) WILL BE PROVIDED FOR ANY OUTFALL IN A DRAINAGE AREA:

OF 3.5 - 4.9 ACRES FOR AN OUTFALL(S) THAT DISCHARGES TO A STATE STREAM WITH UNAVAILABLE PARAMETERS (303d SILTATION) OR EXCEPTIONAL TENNESSEE WATERS (ETW). A SEDIMENT TRAP THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (6.4.1.f).

IN BOTH INSTANCES, THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS MAY BE CONTACTED TO REVIEW AND CONCUR WITH ANY REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE OUTFALL PROCEEDS.

4.2.8. SEDIMENT STRUCTURES TREATING DRAINAGE AREAS IN EXCESS OF 25 ACRES REQUIRE A SITE-SPECIFIC DESIGN THAT ACCURATELY DEFINES THE SITE HYDROLOGY, SITE-SPECIFIC SEDIMENT LOADING, HYDRAULICS OF THE SITE, AND ADHERES TO ALL TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK DESIGN RECOMMENDATIONS FOR SEDIMENT BASINS. (5.5.3.5.)

4.3. WETLAND INFORMATION

WILL CONSTRUCTION AND/OR EROSION AND SEDIMENT CONTROLS IMPACT ANY WETLANDS? ☒ YES ☐ NO

IF YES, THE STRUCTURAL EPSC MEASURES HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND IN THE WATER QUALITY PERMITS.

WETLAND INFORMATION				
TDOT WETLAND LABEL	FROM STATION LT OR RT	TO STATION LT OR RT	TEMPORARY IMPACTS (AC)	PERMANENT IMPACTS (AC)
WTL-1	1290+78.97	1291+80.83	0.000	0.071
WTL-2	1299+34.61	1299+55.31	0.000	0.018
WTL-3	1299+78.13	1305+13.54	0.113	0.185
WTL-3A	1334+50.15	1335+50.58	0.031	0.019
WTL-4	1343+11.49	1346+26.96	0.059	0.048
WTL-5	1358+02.76	1360+68.18	0.023	0.306
WTL-6	1360+86.00	1361+19.83	0.003	0.000
WTL-7	1383+17.91	1384+18.12	0.000	0.190
WTL-8	1392+93.61	1393+44.66	0.006	0.014
WTL-9A	1410+43.01	1411+82.69	0.000	0.029
WTL-10	1421+01.00	1421+96.28	0.000	0.194
WTL-11	1428+18.04	1428+57.20	0.001	0.000

4.4. TOTAL MAXIMUM DAILY LOADS (TMDL) INFORMATION (1.3.j)

4.4.1. IS THIS PROJECT LOCATED IN A HUC-8 WATERSHED THAT MAINTAINS AN EPA APPROVED TMDL FOR SILTATION AND HABITAT ALTERATION?

☐YES ☒ NO

4.4.2. IF YES, IS THIS PROJECT LOCATED WITHIN A HUC-12 SUBWATERSHED WITH A WASTE LOAD ALLOCATION (WLA)?

☐ YES ☒ NO

4.4.3. IF YES, DOES THE PROJECT HAVE A DIRECT DISCHARGE TO A 303(d) LISTED STREAM FOR SILTATION?

☐ YES ☒ NO

IF YES, SWPPP INCORPORATES MEASURES OR CONTROLS CONSISTENT WITH THE ASSUMPTIONS AND REQUIREMENTS OF THE TMDL.

4.5. ECOLOGY INFORMATION (3.5.5.e)

DOES THE TDOT ENVIRONMENTAL BOUNDARIES REPORT SPECIFY SPECIAL NOTES TO BE ADDED TO THE PLAN SHEETS?

☐ YES ☒ NO

IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) _____.

4.6. ENVIRONMENTAL COMMITMENTS

ARE THERE ANY NOTES ON THE ENVIRONMENTAL COMMITMENT SHEET?

☒ YES ☐ NO

IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) 1B.

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DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	18008-1218-14	
CONST.	2026	18008-3230-14	S-3

5. EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES (5.5.3.)

5.1. EPSC MEASURES MUST BE DESIGNED, INSTALLED AND MAINTAINED TO CONTROL STORMWATER VOLUME AND VELOCITY WITHIN THE SITE TO MINIMIZE EROSION (4.1.1).

5.2. EPSC MEASURES MUST CONTROL STORMWATER DISCHARGES, INCLUDING BOTH PEAK FLOWS AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS, STREAM CHANNELS, AND STREAM BANKS. (4.1.1)

5.3. HAVE THE CONTROL MEASURES BEEN DESIGNED PER THE SIZE AND SLOPE OF THE DISTURBED DRAINAGE AREA (5.5.3.5.)?

☒YES ☐ NO

5.4. THE CONTROL MEASURES HAVE, AT A MINIMUM, BEEN DESIGNED FOR THE 2-YEAR, 24 HOUR STORM EVENT (5.5.3.5., 6.4.1.b).

5.5. ARE THE LIMITS OF DISTURBANCE CLEARLY MARKED ON THE EPSC PLANS (5.5.1.f)? ☒ YES ☐ NO

5.6. AREAS TO BE UNDISTURBED SHALL BE CLEARLY MARKED IN THE FIELD BEFORE CONSTRUCTION ACTIVITIES BEGIN.

5.7. UNLESS OTHERWISE NOTED IN THE PLANS, THE CONTRACTOR SHALL NOT CLEAR/DISTURB ANY AREA BEYOND 15 FEET FROM SLOPE LINES OR ROW/ EASEMENT LINE, WHICHEVER IS LESSER.

5.8. CLEARING, GRUBBING, AND OTHER DISTURBANCE TO RIPARIAN VEGETATION SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR SLOPE CONSTRUCTION AND EQUIPMENT OPERATIONS. EXISTING VEGETATION, INCLUDING STREAM AND WETLAND BUFFERS (UNLESS PERMITTED), SHOULD BE PRESERVED TO THE MAXIMUM EXTENT POSSIBLE. UNNECESSARY VEGETATION REMOVAL IS PROHIBITED.

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

YES ☒ NO ☐

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

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

5.11. THE STRUCTURAL EPSC MEASURES HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND HAVE BEEN INCLUDED IN THE AQUATIC RESOURCE ALTERATION (ARAP) PERMIT OR SECTION 401 CERTIFICATION (5.5.1.h). REFER TO THE LIST OF APPLICABLE ENVIRONMENTAL PERMITS LOCATED ON SWPPP SHEET S-7. ALL PERMITS WILL BE MAINTAINED ON SITE WITHIN THE "DOCUMENTATION AND PERMITS" BINDER.

5.12. THE EPSC CONTROL MEASURES LISTED IN THE QUANTITIES TABLE ON SHEET 47 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 47 (5.5.3.1.j).

5.20. DISCHARGES FROM DEWATERING ACTIVITIES ARE PROHIBITED UNLESS MANAGED BY APPROPRIATE CONTROLS THAT PROVIDE THE LEVEL OF TREATMENT (FILTRATION) NECESSARY TO COMPLY WITH PERMIT REQUIREMENTS. (4.1.3.).

5.21. SETTLING BASINS AND SEDIMENT TRAPS SHALL BE PROPERLY DESIGNED PER THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED. TREATED WATER MUST BE DISCHARGED THROUGH A PIPE OR WELL VEGETATED OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT.

5.22. DISCHARGES FROM SEDIMENT BASINS AND IMPOUNDMENTS SHALL UTILIZE OUTLET STRUCTURES THAT ONLY WITHDRAW WATER FROM NEAR THE SURFACE OF THE BASIN OR IMPOUNDMENT. TREATED WATER MUST BE DISCHARGED THROUGH A PIPE, WELL- VEGETATED AND/OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT. (5.5.3.5.).

5.23. THE DEWATERING OF WORK AREAS, TRENCHES, FOUNDATIONS, EXCAVATIONS, ETC. THAT HAVE COLLECTED STORMWATER, WATER FROM VEHICLE WASH AREAS, OR GROUNDWATER SHALL BE EITHER HELD IN SETTLING BASINS OR TREATED BY FILTRATION AND/OR CHEMICAL TREATMENT PRIOR TO ITS DISCHARGE. ALL CHEMICAL TREATMENTS MUST BE APPLIED PER SECTION 6 FLOCCULANTS.

5.24. WATER DISCHARGED FROM DEWATERING ACTIVITIES SHALL NOT CAUSE AN OBJECTIONABLE COLOR CONTRAST WITHIN THE RECEIVING NATURAL RESOURCE. WATER MUST BE HELD WITHIN SETTLING BASINS UNTIL IT IS AT LEAST AS CLEAR AS THE RECEIVING WATERS.

5.25. DEWATERING STRUCTURES, SEDIMENT FILTER BAGS, SEDIMENT BASINS AND TRAPS SHALL NOT BE LOCATED CLOSER THAN 30 FEET (60 FEET DESIRABLE VEGETATIVE BUFFER) FOR WATERS WITH UNAVAILABLE PARAMETERS AND EXCEPTIONAL TENNESSEE WATERS (ETW) AND 15 FEET (30 FEET DESIRABLE VEGETATIVE BUFFER) FOR ALL OTHER FEATURES FROM THE TOP BANK OF A STREAM, WOTUS (EPHEMERAL), WETLAND OR OTHER NATURAL RESOURCE AND SHALL BE PROPERLY DESIGNED PER THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED.

5.26. STABILIZATION PRACTICES: PRE-CONSTRUCTION VEGETATIVE COVER WILL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 2 WEEKS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA WILL BE SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED (5.5.3.5.f).

5.27. STABILIZATION MEASURES WILL BE INITIATED AS SOON AS POSSIBLE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY OR PERMANENT STABILIZATION WILL BE COMPLETED WITHIN 2 WEEKS AFTER ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED IN THAT AREA. PERMANENT STABILIZATION WILL REPLACE TEMPORARY MEASURES AS SOON AS PRACTICABLE (5.5.3.4.).

5.28. PRIORITY SHALL BE GIVEN TO FINISHING OPERATIONS AND PERMANENT EPSC MEASURES OVER TEMPORARY EPSC MEASURES ON ALL PROJECTS. UNPACKED GRAVEL CONTAINING FINES (SILT AND CLAY SIZED PARTICLES) OR CRUSHER-RUN WILL NOT BE CONSIDERED A NON-ERODIBLE SURFACE

5.29. DELAYING THE PLANTING OF COVER VEGETATION UNTIL WINTER MONTHS OR DRY MONTHS SHOULD BE AVOIDED, IF POSSIBLE.

5.30. STEEP SLOPES SHALL BE TEMPORARILY STABILIZED NOT LATER THAN 1 WEEK AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED. (5.5.3.4.).

6. FLOCCULANTS (3.5.3.1.b)

IS ADDITIONAL PHYSICAL OR CHEMICAL TREATMENT OF STORMWATER RUNOFF NECESSARY (5.5.3.5.)? ☐ YES ☒ NO

IF YES, THE FOLLOWING NOTES APPLY:

6.1. ENSURE THE FLOCCULANT EMULSIONS AND POWDERS ARE OF THE ANIONIC TYPE (5.5.3.5.). AND MEET THE FOLLOWING REQUIREMENTS:

6.1.1. MEETS THE EPA AND FDA ACRYLAMIDE MONOMER LIMITS OF EQUAL TO OR GREATER THAN 0.005% ACRYLAMIDE MONOMER.

6.1.2. HAS A DENSITY OF 10% TO 55% BY WEIGHT AND A MOLECULAR WEIGHT OF 16 TO 24 MG/MOLE (MILLIGRAM PER MOLE).

6.1.3. MIXTURE IS NON-COMBUSTIBLE.

6.1.4. CONTAINS ONLY MANUFACTURER'S RECOMMENDED ADDITIVES.

6.2. FLOCCULANT SHALL BE MIXED AND APPLIED IN ACCORDANCE WITH ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) MATERIAL SAFETY DATA SHEET REQUIREMENTS AND THE MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIED USES CONFORMING TO ALL FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS.

6.3. ALL VENDORS AND SUPPLIERS OF FLOCCULANT BLENDS SHALL PRESENT OR SUPPLY A WRITTEN TOXICITY REPORT WHICH VERIFIES ACCEPTABLE TOXICITY PARAMETERS WHICH MEET OR EXCEED THE EPS REQUIREMENTS FOR THE STATE AND FEDERAL WATER QUALITY STANDARDS. WHOLE EFFLUENT TESTING DOES NOT MEET THIS REQUIREMENT AS PRIMARY REACTIONS HAVE OCCURRED AND TOXIC POTENTIALS HAVE BEEN REDUCED. CATIONIC FORMS OF FLOCCULANTS ARE NOT ALLOWED UNDER THIS SECTION DUE TO HIGH LEVELS OF TOXICITY TO AQUATIC ORGANISMS. FLOCCULANT EMULSIONS SHALL NEVER BE APPLIED DIRECTLY TO STORMWATER RUNOFF OR RIPARIAN WATERS DUE TO SURFACTANT TOXICITY. THE CONTRACTOR MUST SEEK THE APPROVAL OF THE EPSC DESIGN ENGINEER AND TDOT IF CHITOSAN IS PROPOSED FOR THIS PROJECT.

6.4. ALL VENDORS AND SUPPLIERS OF FLOCCULANT BLENDS SHALL SUPPLY WRITTEN "SITE SPECIFIC" TESTING RESULTS DEMONSTRATING A PERFORMANCE OF 95% OR GREATER REDUCTION OF NTU OR TSS FROM STORMWATER DISCHARGES.

6.5. EMULSION BATCHES SHALL BE MIXED FOLLOWING RECOMMENDATIONS OF THE TESTING LABORATORY THAT DETERMINES THE PROPER PRODUCT AND RATE TO MEET SITE REQUIREMENTS. APPLICATION METHODS SHALL ENSURE UNIFORM COVERAGE TO THE TARGET AREA. EMULSIONS SHALL NEVER BE APPLIED DIRECTLY TO STORMWATER RUNOFF OR RIPARIAN BUFFERS.

6.6. FLOCCULANT POWDER MAY BE APPLIED BY A HAND OR MECHANICAL SPREADER. MIXING OF THE FLOCCULANT POWDER WITH DRY SILICA SAND WILL AID IN SPREADING.

6.7. PREMIXING OF FLOCCULANT POWDER INTO FERTILIZER, SEED, OR OTHER SOIL AMENDMENTS IS ALLOWED WHEN SPECIFIED IN THE DESIGN PLAN. APPLICATION METHOD SHALL ENSURE UNIFORM COVERAGE TO THE TARGET AREA.

6.8. FLOCCULANT LOGS OR BLOCKS SHALL BE APPLIED FOLLOWING SITE TESTING RESULTS TO ENSURE PROPER PLACEMENT AND PERFORMANCE AND SHALL MEET OR EXCEED STATE AND FEDERAL WATER QUALITY REQUIREMENTS.

6.9. DO NOT APPLY FLOCCULANTS DIRECTLY TO, OR WITHIN 60 FEET, OF ANY STREAMS, WETLANDS, OR OTHER NATURAL WATER RESOURCE LOCATED ON OR ADJACENT TO THE CONSTRUCTION SITE. DO NOT APPLY FLOCCULANTS DIRECTLY INTO WATERS CONTAINED WITHIN SEDIMENT PONDS OR TO SLOPES THAT PRODUCE RUNOFF DIRECTLY INTO A STREAM, WETLAND, OR OTHER NATURAL WATER RESOURCE. DO NOT APPLY FLOCCULANTS IMMEDIATELY AT A STORMWATER OUTFALL WHERE RUNOFF LEAVES THE PROJECT LIMITS.

7. UTILITY RELOCATION

ARE UTILITIES INCLUDED IN THE CONTRACT? ☒ YES ☐ NO

IF YES, THE FOLLOWING APPLY:

7.1. STORMWATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND TREATED PRIOR TO DISCHARGE.

7.2. SILT FENCE SHALL BE INSTALLED ON THE DOWNGRADIENT SIDE OF STOCKPILED SOIL. ANY TRENCHING ACROSS WET WEATHER CONVEYANCES SHALL BE DONE DURING DRY CONDITIONS, REMOVED AND STABILIZED BY THE END OF THE WORK DAY.

7.3. UTILITY CROSSINGS IN ENVIRONMENTAL FEATURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH TDOT STANDARDS AND NO WORK SHALL BE CONDUCTED IN FLOWING WATERS. ENVIRONMENTAL PERMITS APPLY TO UTILITIES IN THIS PROJECT. THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE PERMITS.

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7.4. IT IS THE RESPONSIBILITY OF THE STATE UTILITY CONTRACTOR TO PROTECT EXPOSED EARTH FROM EROSION AND TO PROVIDE FOR CONTAINMENT OF SEDIMENT THAT MAY RESULT FROM THEIR WORK. PRIOR TO BEGINNING WORK, ADEQUATE EPSC MEASURES MUST BE IN PLACE TO TRAP ANY SEDIMENT THAT MAY TRAVEL OFF-SITE IN THE EVENT OF RAIN. DURING THE PROGRESSION OF THEIR WORK, EXPOSED EARTH AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EROSION. AT NO TIME, SHALL EXPOSED EARTH RESULTING FROM THEIR OPERATIONS HAVE UNPROTECTED ACCESS TO FLOWING OFF-SITE AND ENTERING WATERS OF THE STATE/U.S.

7.5. FOR THE INSTALLATION OF BURIED UTILITIES (PIPES AND CABLES), TRENCHES SHALL BE BACKFILLED DAILY AS CONSTRUCTION PROCEEDS. BACKFILLED TRENCHES SHALL BE SEEDED AND MULCHED OR SODDED DAILY IF POSSIBLE, BUT NO LATER THAN FOURTEEN DAYS AFTER BEING BACKFILLED. ANY TEMPORARY SPOILS OF EXCAVATED EARTH SHALL BE LOCATED WITHIN TDOT EPSC MEASURES OR RECEIVE SEPARATE EPSC MEASURES. IF TRENCHES ARE NOT BACKFILLED OVERNIGHT, APPROPRIATE EPSC MEASURES WILL BE INSTALLED BY THE STATE UTILITY CONTRACTOR UNTIL THE TRENCH IS BACKFILLED.

7.6. IN REGARDS TO EPSC, TDEC REGULATIONS APPLY TO THE STATE UTILITY CONTRACTORS ON THIS PROJECT. THE STATE CONTRACTOR IS RESPONSIBLE FOR EPSC MEASURES RELATED TO UTILITY CONSTRUCTION INCLUDED IN THE STATE CONTRACT.

7.7. TRENCHES FORMED FOR THE INSTALLATION OF BURIED UTILITIES MAY CAUSE STORMWATER RUNOFF TO CONCENTRATE AT THE TRENCH LINE. ADDITIONAL EPSC MEASURES MAY BE REQUIRED TO BE INSTALLED AS APPROVED BY THE TDOT PROJECT ENGINEER.

7.8. FOR THE INSTALLATION OF UNDERGROUND UTILITIES OUTSIDE OF THE TDOT RIGHT-OF-WAY, EPSC MEASURES SHALL BE INSTALLED PRIOR TO CLEARING (TRENCHING AND ASSOCIATED BLASTING) IN THOSE AREAS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION AREA. THESE EPSC MEASURES SHALL REMAIN UNTIL THE BACKFILLED TRENCH IS STABILIZED WITH PERMANENT VEGETATIVE COVER.

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

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

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

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

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

7.11.3. A SITE-SPECIFIC CONTINGENCY AND CONTAINMENT PLAN FOR INADVERTENT RELEASE OF DRILLING FLUID SHALL BE ESTABLISHED PRIOR TO COMMENCEMENT OF WORK. THIS PLAN SHALL BE SUBMITTED TO THE TDOT PROJECT ENGINEER AND THE TDOT ENVIRONMENTAL DIVISION PERMITS AND/OR COMPLIANCE AND FIELD SERVICES OFFICE FOR REVIEW AND APPROVAL.

8. MAINTENANCE AND INSPECTION

8.1. INSPECTION PRACTICES (5.5.3.9.)

8.1.1. PROJECT EPSC INSPECTORS AND ENGINEERS (INCLUDING TDOT STAFF, CONSULTANTS AND CONTRACTOR STAFF) RESPONSIBLE FOR THE INSPECTION, IMPLEMENTATION, MAINTENANCE. AND/OR REPAIR OF EPSC MEASURES SHALL MEET ONE OF THE FOLLOWING REQUIREMENTS (5.5.3.10.):

8.1.1.1. SUCCESSFULLY COMPLETED THE TDOT EPSC INSPECTIONS TRAINING AND ANY RECERTIFICATION COURSE AS REQUIRED.

8.1.1.2. SUCCESSFULLY COMPLETED THE TDEC “LEVEL I - FUNDAMENTALS OF EROSION PREVENTION AND SEDIMENT CONTROL” COURSE AND ANY RECERTIFICATION COURSES AS REQUIRED.

8.1.1.3. BE A CURRENT TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT.

8.1.1.4. BE A CURRENT CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC).

8.1.1.5. SUCCESSFULLY COMPLETED TDEC “LEVEL II – DESIGN PRINCIPLES FOR EROSION PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES” COURSE AND ANY RECERTIFICATION COURSE AS REQUIRED.

8.1.2. THE TDOT CONSTRUCTION ENGINEER (OR THEIR DULY AUTHORIZED REPRESENTATIVE) AND THE CONTRACTOR’S SITE SUPERINTENDENT ARE RESPONSIBLE FOR INSPECTIONS. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE TDOT CONSTRUCTION ENGINEER OR THEIR DULY AUTHORIZED REPRESENTATIVE SHALL COMPLETE THE EPSC INSPECTION REPORTS AND DISTRIBUTE COPIES PER THE CONTRACT.

8.1.3. THE INSPECTOR SHALL CONDUCT PRE-CONSTRUCTION INSPECTIONS TO VERIFY AREAS THAT ARE NOT TO BE DISTURBED HAVE BEEN MARKED IN THE SWPPP AND IN THE FIELD BEFORE LAND DISTURBANCE ACTIVITIES BEGIN AND INITIAL MEASURES HAVE BEEN INSTALLED (10 “INSPECTOR”) (5.5.1.f).

8.1.4. EPSC CONTROLS SHALL BE INSPECTED TO VERIFY MEASURES HAVE BEEN INSTALLED AND MAINTAINED IN ACCORDANCE WITH TDOT STANDARD DRAWINGS, SPECIFICATIONS, AND GOOD ENGINEERING PRACTICES. EPSC INSPECTIONS SHALL BE DOCUMENTED ON THE TDOT EPSC INSPECTION REPORT FORM AND THE TDEC CONSTRUCTION STORMWATER INSPECTION CERTIFICATION (TWICE-WEEKLY INSPECTIONS) FORM.

8.1.5. OUTFALL POINTS SHALL BE INSPECTED TO ASCERTAIN WHETHER EPSC MEASURES ARE EFFECTIVE IN PREVENTING EROSION AND CONTROLLING SEDIMENT INCLUDING SIGNIFICANT IMPACTS TO SURROUNDING STATE WATERS, WOTUS (EPHEMERAL), WETLANDS, OTHER NATURAL RESOURCES AND ADJACENT PROPERTY OWNERS. WHERE DISCHARGE LOCATIONS ARE INACCESSIBLE, NEARBY DOWN GRADIENT LOCATIONS SHALL BE INSPECTED. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE ROADWAY SEDIMENT TRACKING.

8.1.6. INSPECTIONS WILL BE CONDUCTED AT LEAST TWICE EVERY CALENDAR WEEK AND AT LEAST 72 HOURS APART (5.5.3.11.a). A CALENDAR WEEK IS DEFINED AS SUNDAY THROUGH SATURDAY. QUALITY ASSURANCE INSPECTIONS OF TDOT EPSC, NPDES AND WATER QUALITY PERMIT REQUIREMENTS SHALL BE PERFORMED PER THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE.

8.1.7. THE FREQUENCY OF EPSC INSPECTIONS MAY BE REDUCED TO ONCE A MONTH WHERE SITES OR PORTIONS OF SITES HAVE BEEN TEMPORARILY STABILIZED UNTIL CONSTRUCTION ACTIVITIES RESUME WITH WRITTEN NOTIFICATION BY THE TDOT REGIONAL ENGINEER TO TDEC NASHVILLE CENTRAL OFFICE AND SUBSEQUENT TDEC APPROVAL. WRITTEN NOTIFICATION MUST INCLUDE THE INTENT TO CHANGE FREQUENCY AND JUSTIFICATION (5.5.3.11.a).

8.1.8. ALL DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN PERMANENTLY STABILIZED, AREAS USED FOR MATERIAL STORAGE THAT ARE EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AND EACH OUTFALL WILL BE INSPECTED (5.5.3.11.b).

8.1.9. THE INSPECTOR WILL OVERSEE THE REQUIREMENTS OF OTHER CONSTRUCTION-RELATED WATER QUALITY PERMITS (I.E. TDEC ARAP, USACE SECTION 404, AND TVA SECTION 26a PERMITS) FOR CONSTRUCTION ACTIVITIES AROUND WATERS OF THE STATE (10 “INSPECTOR”).

8.1.10. THE SWPPP WILL BE REVISED AS NECESSARY BASED ON THE RESULTS OF THE INSPECTION. REVISION(S) WILL BE RECORDED WITHIN 1 WEEK OF THE INSPECTION. REVISION(S) WILL BE IMPLEMENTED WITHIN 2 WEEKS OF THE INSPECTION (5.5.3.11.e AND 5.5.3.11.f).

8.1.11. DOCUMENTATION OF INSPECTIONS WILL BE MAINTAINED ON SITE IN THE “DOCUMENTATION AND PERMITS” BINDER. REPORTS WILL BE SUBMITTED TO THE TDOT PROJECT ENGINEER PER THE CONTRACT.

8.1.12. THESE INSPECTION REQUIREMENTS DO NOT APPLY TO DEFINABLE AREAS OF THE SITE THAT HAVE MET PERMANENT STABILIZATION REQUIREMENTS AND HAVE BEEN NOTED IN THE SWPPP.

8.1.13. TRAINED CERTIFIED INSPECTORS SHALL COMPLETE INSPECTION TO THE BEST OF THEIR ABILITY. FALSIFYING INSPECTION RECORDS OR OTHER DOCUMENTATION OR FAILURE TO COMPLETE INSPECTION DOCUMENTATION SHALL RESULT IN A VIOLATION OF THIS PERMIT AND ANY OTHER APPLICABLE ACTS OR RULES (5.5.3.11.h).

8.2. DULY AUTHORIZED REPRESENTATIVE (8.7.3.)

THE PROJECT ENGINEER MAY DELEGATE AN INDIVIDUAL AND/OR CONSULTANT TO SIGN EPSC INSPECTIONS REPORTS. FOR SATISFYING SIGNATORY REQUIREMENTS FOR EPSC INSPECTION REPORTS, THE PROJECT ENGINEER AND NEWLY AUTHORIZED INDIVIDUAL ACCEPTING RESPONSIBILITY MUST COMPLETE AND SIGN THE TDOT CONSTRUCTION DIVISION EPSC DELEGATION OF AUTHORITY.

8.3. MAINTENANCE PRACTICES (5.1 AND 8.13.)

8.3.1. ALL CONTROLS WILL BE MAINTAINED IN GOOD AND EFFECTIVE OPERATING ORDER AND IN ACCORDANCE WITH TDOT STANDARD DRAWINGS AND GOOD ENGINEERING PRACTICES. (5.1. AND 5.5.3.1.b)

8.3.2. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

8.3.3. UPON CONCLUSION OF THE INSPECTIONS, EPSC MEASURES FOUND TO BE INEFFECTIVE SHALL BE REPAIRED, REPLACED, OR MODIFIED BEFORE THE NEXT RAIN EVENT, IF POSSIBLE, BUT IN NO CASE, MORE THAN 24 HOURS AFTER THE INSPECTION OR WHEN THE CONDITION IS IDENTIFIED. IF THE REPAIR, REPLACEMENT OR MODIFICATION IS NOT PRACTICAL WITHIN THE 24-HOUR TIMEFRAME, WRITTEN DOCUMENTATION PROVIDED BY THE CONTRACTOR SHALL BE PLACED IN THE FIELD DIARY AND EPSC INSPECTION REPORT. AN ESTIMATED REPAIR, REPLACEMENT OR MODIFICATION SCHEDULE SHALL BE DOCUMENTED WITHIN 24 HOURS AFTER IDENTIFICATION. (5.5.3.11.e).

8.3.4. SEDIMENT SHALL BE REMOVED FROM SEDIMENT CONTROL STRUCTURES (SEDIMENT TRAPS, SILT FENCE, SEDIMENT BASINS, OTHER CONTROLS, ETC.) WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT (50%). (5.5.3.1.d).

8.3.5. DURING SEDIMENT REMOVAL, THE CONTRACTOR SHALL TAKE STEPS TO ENSURE THAT STRUCTURAL COMPONENTS OF EPSC MEASURES ARE NOT DAMAGED AND THUS MADE INEFFECTIVE. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL REPAIR THE EPSC MEASURES AT THE CONTRACTOR’S OWN EXPENSE.

8.3.6. CHECK DAMS WILL BE INSPECTED FOR STABILITY. SEDIMENT WILL BE REMOVED WHEN DEPTH REACHES ONE-HALF (½) THE HEIGHT OF THE DAM.

8.3.7. SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES SHALL BE PLACED AND TREATED IN A MANNER SO THAT THE SEDIMENT IS CONTAINED WITHIN THE PROJECT LIMITS, DOES NOT MIGRATE INTO FEATURES REMOVED FROM, AND DOES NOT MIGRATE ONTO ADJACENT PROPERTIES AND/OR INTO WATERS OF THE STATE/U.S.

8.3.8. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER WILL BE PICKED UP AND REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFF THE SITE BY WIND, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES. AFTER USE, MATERIALS USED FOR EROSION CONTROL WILL BE REMOVED (5.5.3.7.a).

8.3.9. ALL SEEDED AREAS WILL BE CHECKED FOR BARE SPOTS, EROSION WASHOUTS, AND VIGOROUS GROWTH FREE OF SIGNIFICANT WEED INFESTATIONS.

9. SITE ASSESSMENTS (5.5.3.8.)

QUALITY ASSURANCE SITE ASSESSMENTS OF EROSION PREVENTION AND SEDIMENT CONTROLS SHALL BE PERFORMED PER THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE GUIDELINES.

10. STORMWATER MANAGEMENT (5.5.3.11.h)

10.1. STORMWATER MANAGEMENT WILL BE HANDLED BY TEMPORARY CONTROLS OUTLINED IN THIS SWPPP AND ANY PERMANENT CONTROLS NEEDED TO MEET PERMANENT STORMWATER MANAGEMENT NEEDS IN THE POST CONSTRUCTION PERIOD. PERMANENT CONTROLS WILL BE DEPICTED ON THE PLANS AND NOTED AS PERMANENT.

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DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	18008-1218-14	
CONST.	2026	18008-3230-14	S-5

10.2. DESCRIBE ANY SPECIFIC POST-CONSTRUCTION MEASURES THAT WILL CONTROL VELOCITY, POLLUTANTS, AND/OR EROSION (5.5.3.6.c): 6B, 9B, 10B, 15B, & 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 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.

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12.4.8. IF A SPILL OCCURS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR COMPLETING THE SPILL REPORTING FORM AND FOR REPORTING THE SPILL TO THE TDOT PROJECT RESPONSIBLE PARTY. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.

12.5. SPILL NOTIFICATION (6.1)

WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO, OR MORE THAN A REPORTABLE QUANTITY ESTABLISHED UNDER EITHER 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD:

12.5.1. THE TDOT PROJECT ENGINEER IS RESPONSIBLE FOR NOTIFYING THE REGIONAL PROJECT DEVELOPMENT OFFICE (E.G. TRANSPORTATION ENVIRONMENTAL STUDIES SPECIALIST) AS SOON AS HE OR SHE HAS KNOWLEDGE OF THE DISCHARGE.

12.5.2. THE TDOT REGIONAL PROJECT DEVELOPMENT OFFICE WILL NOTIFY THE LOCAL TDEC ENVIRONMENTAL FIELD OFFICE AND ANY OTHER APPLICABLE REGULATORY AGENCIES WITHIN 24 HOURS OF THE SPILL.

12.5.3. IN ADDITION TO ANY FOLLOW UP NOTIFICATIONS REQUIRED BY FEDERAL LAW, A WRITTEN DESCRIPTION OF THE RELEASE, DATE OF RELEASE AND CIRCUMSTANCES LEADING TO THE RELEASE, WHAT ACTIONS WERE TAKEN TO MITIGATE EFFECTS OF THE RELEASE, AND STEPS TAKEN TO MINIMIZE THE CHANCE OF FUTURE OCCURRENCES WILL BE SUBMITTED TO THE APPROPRIATE TDEC ENVIRONMENTAL FIELD OFFICE WITHIN 2 WEEKS OF KNOWLEDGE OF THE RELEASE.

12.5.4. THE SWPPP MUST BE MODIFIED WITHIN 2 WEEKS OF KNOWLEDGE OF THE RELEASE PROVIDING A DESCRIPTION OF THE RELEASE, CIRCUMSTANCES LEADING TO THE RELEASE, AND THE DATE OF RELEASE. THE SWPPP WILL BE REVIEWED AND MODIFIED AS NECESSARY TO IDENTIFY MEASURES TO PREVENT THE REOCCURRENCE OF SUCH RELEASES AND TO RESPOND TO SUCH RELEASES.

13. RECORD-KEEPING

13.1. REQUIRED RECORDS

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

13.1.1. THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR.

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

13.1.3. THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.

13.1.4. RECORDS EPSC INSPECTION REPORTS AND CORRECTIVE MEASURES.

13.1.5. RECORDS OF QUALITY ASSURANCE SITE ASSESSMENTS.

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

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

13.2. RAINFALL MONITORING PLAN (7.2.1.):

13.2.1. EQUIPMENT

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

13.2.2. LOCATION

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

13.2.3. METHODS

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

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

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

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

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

13.3. KEEPING PLANS CURRENT (5.4.)

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

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

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

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

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

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

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

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

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

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

13.4. MAKING PLANS ACCESSIBLE

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

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

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

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

13.4.2.3. A BRIEF DESCRIPTION OF THE PROJECT; AND

13.4.2.4. THE LOCATION OF THE SWPPP.

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

13.5. NOTICE OF TERMINATION (9.0.)

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

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

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

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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

March 10, 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.

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

OUTFALL LABEL	SUB OUT-FALL	STATION CL, LT OR RT	SLOPE WITHIN ROW (%)	STAGE 1 DRAINAGE AREA (AC)	STAGE 2 DRAINAGE AREA (AC)	STAGE 3 DRAINAGE AREA (AC)	SEDIMENT BASIN OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	SEDIMENT TRAP OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	RECEIVING RESOURCE (TDOT EBR LABEL) OR OTHER	COMMENTS
OUT-1		1288+90 LT	4.5	0.95			N/A	N/A		
OUT-1		1288+90 LT	3.2		1.11	1.11	N/A	N/A		
OUT-2		1297+50 RT	7.7	0.58			N/A	N/A	STR-1	
OUT-2		1297+50 RT	6.2		1.18	1.18	N/A	N/A	STR-1	
OUT-3		MAYFAIR 182+02 RT	10.1	0.12			N/A	N/A	STR-1	
OUT-4		MAYFAIR 182+65 RT	7.4	2.33			N/A	N/A	STR-1	
OUT-5		MAYFAIR 182+02 LT	12.2	0.25			N/A	N/A	STR-1	
OUT-6		MAYFAIR 182+65 LT	6.1	0.25			N/A	N/A	STR-1	
OUT-7		1305+90 LT	2.2	6.96			N/A	N/A	STR-1	
OUT-8		1305+90 LT	1.6	1.24			N/A	N/A	STR-1	
OUT-9		1306+30 LT	3.9	1.5			N/A	N/A	STR-1	
OUT-10		1306+30 LT	2.4	0.51			N/A	N/A	STR-1	
OUT-11		BYLERS 213+10 LT	4.6	3.31			N/A	N/A		
OUT-11		BYLERS 213+10 LT	2.8		3.91	3.91	N/A	N/A		
OUT-12		1322+70 LT	5.9	2.24			N/A	N/A	PND-4	
OUT-13		1325+50 LT	5.6	1.36			N/A	N/A		
OUT-13		1320+05 RT	8.9		1	1	N/A	N/A		
OUT-14		RECTOR 231+55 RT	5.8	1.08			N/A	N/A		
OUT-14		1320+05 RT	6.4		0.81	0.81	N/A	N/A		
OUT-15		RECTOR 231+55 LT	4.7	0.78			N/A	N/A		
OUT-15		1320+05 RT	6.9		0.21	0.21	N/A	N/A		
OUT-16		OLD SR 28 305+00 LT	7.8	0.57			N/A	N/A		
OUT-16		1320+05 RT	3.5		0.63	0.63	N/A	N/A		
OUT-17		OLD SR 28 305+00 RT	6.3	1.41			N/A	N/A		
OUT-17		1320+05 RT	3.9		0.7	0.7	N/A	N/A		
OUT-18		1340+00 RT	8.8	1.76			N/A	N/A	STR-4 (NO BUSINESS CREEK)	
OUT-19		1339+90 RT	4.6	1.6			N/A	N/A	STR-4 (NO BUSINESS CREEK)	
OUT-20		1340+30 RT	8.4	3			N/A	N/A		
OUT-20		1340+30 RT	3.7		4.29	4.29	N/A	N/A		
OUT-21		1343+10 RT	3.9	0.3			N/A	N/A	STR-5	
OUT-22		1345+95 RT	8.1	1.25			N/A	N/A	WTL-4	
OUT-23		1346+40 CL	3.7	3.12			N/A	N/A	WTL-4	
OUT-24		1352+25 RT	2.8	0.89			N/A	N/A		
OUT-25		1355+35 RT	5.2	1.27			N/A	N/A	STR-6	
OUT-26		1360+05 LT	4.1	0.25			N/A	N/A	STR-6	
OUT-27		1360+60 LT	3.4	8.81			N/A	N/A	STR-6	

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PS&E	2026	18008-1218-14	
CONST.	2026	18008-3230-14	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
OUT-27		1360+60 LT	4		8.81	8.81	N/A	N/A	STR-6	
OUT-28		1361+30 LT	4.1	1.53			N/A	N/A	STR-6	
OUT-29		1372+70 LT	2.2	1.21			N/A	N/A		
OUT-30		1381+00 LT	1.9	1.02			N/A	N/A	STR-7	
OUT-31		OLD SR 28 EAST 332+30 RT	2.3	6.15			N/A	N/A	STR-7	
OUT-32		OLD SR 28 EAST 332+50 LT	3.4	1.16			N/A	N/A	STR-7	
OUT-33		1392+80 RT	10.2	5.98			N/A	N/A	WTL-8	
OUT-34		1395+15 RT	23.4	0.87			N/A	N/A	STR-8 (LICKFORK CREEK)	
OUT-35		1396+77 LT	13.1	3.19			N/A	N/A	STR-8 (LICKFORK CREEK)	
OUT-36		1397+40 LT	9.9	3.4			N/A	N/A	STR-8 (LICKFORK CREEK)	
OUT-37		1397+08 LT	20.1	1.5			N/A	N/A	STR-8 (LICKFORK CREEK)	
OUT-38		1397+00 LT	10.4	9.02			N/A	N/A	STR-8 (LICKFORK CREEK)	
OUT-39		1408+32 LT	3.2	2.67	2.67	2.67	N/A	N/A	STR-9	
OUT-40		1408+52 LT	3.2	0.98	0.98	0.98	N/A	N/A	STR-9	
OUT-41		1409+60 LT	2.3	2.81	2.81	2.81	N/A	N/A	STR-9	
OUT-42		1421+00 LT	2.4	0.55			N/A	N/A	STR-10	
OUT-43		1421+38 LT	2.6	0.6			N/A	N/A	STR-10	
OUT-44		1421+58 LT	2.9	0.19			N/A	N/A	STR-10	
OUT-45		HOLLOW LANE 313+38 LT	3	0.97			N/A	N/A		
OUT-46		1426+30 LT	6.5	1.14			N/A	N/A	STR-12	
OUT-47		1431+00 LT	3.7	0.43			N/A	N/A	WTL-12	
OUT-48		1433+50 LT	2.8	9.56			N/A	N/A	WTL-12	
OUT-49		1433+60 LT	1.9	2.92			N/A	N/A	WTL-12	
OUT-50		1290+40 RT	2.9		3.23	3.23	N/A	N/A	STR-1	
OUT-51		MAYFAIR 182+25 RT	9.6		0.12	0.12	N/A	N/A	STR-1	
OUT-52		MAYFAIR 182+48 RT	3.7		2.33	2.33	N/A	N/A	STR-1	
OUT-53		MAYFAIR 182+30 LT	10		0.25	0.25	N/A	N/A	STR-1	
OUT-54		MAYFAIR 182+50 LT	9.1		0.28	0.28	N/A	N/A	STR-1	
OUT-55		1306+00 LT	1.9		3.7	3.7	N/A	N/A	STR-2	
OUT-56		1306+20 LT	5.2		0.71	0.71	N/A	N/A	STR-2	
OUT-57		1320+05 RT	1.7		1.72	1.72	N/A	N/A		
OUT-58		1340+20 RT	14.1		4.23	4.23	N/A	N/A	STR-4 (NO BUSINESS CREEK)	
OUT-59		1338+75 LT	3.7		1.9	1.9	N/A	N/A	STR-4 (NO BUSINESS CREEK)	
OUT-60		1339+60 LT	2.1		2.29	2.29	N/A	N/A	STR-4 (NO BUSINESS CREEK)	

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PS&E	2026	18008-1218-14	
CONST.	2026	18008-3230-14	S-10

OUTFALL LABEL	SUB OUT-FALL	STATION CL, LT OR RT	SLOPE WITHIN ROW (%)	STAGE 1 DRAINAGE AREA (AC)	STAGE 2 DRAINAGE AREA (AC)	STAGE 3 DRAINAGE AREA (AC)	SEDIMENT BASIN OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	SEDIMENT TRAP OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	RECEIVING RESOURCE (TDOT EBR LABEL) OR OTHER	COMMENTS
OUT-61		1339+65 LT	4.8		8.61	8.61	N/A	N/A	STR-4 (NO BUSINESS CREEK)	
OUT-62		1359+80 LT	8.1		0.68	0.68	N/A	N/A	STR-6	
OUT-63		1360+65 LT	4.1		2.13	2.13	N/A	N/A	STR-6	
OUT-64		CONLEY 292+55 RT	4.1		0.04	0.04	N/A	N/A		
OUT-65		CONLEY 292+55 LT	5		0.04	0.04	N/A	N/A		
OUT-66		1381+70 LT	2.2		6.02	6.02	N/A	N/A	STR-7	
OUT-67		1382+10 LT	5		1.57	1.57	N/A	N/A	STR-8	
OUT-68		1381+77 RT	2.2		1.03	1.03	N/A	N/A	STR-9	
OUT-69		OLD SR 28 EAST 332+40 RT	4.2		5.22	5.22	N/A	N/A		
OUT-70		1392+95 RT	3.4		5.47	5.47	N/A	N/A	WTL-8	
	OUT-70A	1390+36 LT	15.4		7.1	7.1	N/A	N/A	WTL-8	
	OUT-70B	1390+73 LT	8.9		0.21	0.21	N/A	N/A	WTL-8	
OUT-71		1395+50 LT	28.4		6.35	6.35	N/A	N/A	STR-8 (LICKFORK CREEK)	
OUT-72		1391+32 LT	26.7		2.05	2.05	N/A	N/A	STR-8 (LICKFORK CREEK)	
OUT-73		1397+00 LT	30.6		7.02	7.02	N/A	N/A	STR-8 (LICKFORK CREEK)	
OUT-74		1420+95 LT	5.4		0.83	0.83	N/A	N/A	STR-11	
OUT-75		1481+83 RT	3.3		0.66	0.66	N/A	N/A	STR-11	
OUT-76		1481+30 LT	2.5		1.03	1.03	N/A	N/A	STR-11	
OUT-77		1425+00 RT	2.7		1.55	1.55	N/A	N/A	STR-12	
OUT-78		1427+12 LT	2.3		1.51	1.51	N/A	N/A	STR-12	
OUT-79		1431+62 RT	3.6		2.13	2.13	N/A	N/A	WTL-12	
OUT-80		1432+70 LT	3.4		1.84	1.84	N/A	N/A	WTL-12	

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PS&E	2026	STP/NH/HPP-28(32)	U1-1
		100260.03	

Index Of Sheets	
SHEET NAME	SHEET NUMBER
UTILITIES INDEX, UTILITIES OWNERS, GENERAL NOTES AND UTILITY SHEETS	U1-1 THRU U1-16
WATER (CITY OF CROSSVILLE)	U2-1 THRU U2-23
GAS (MTNG)	U3-2 THRU U3-20
ELECTRIC (VEC)	U4-1 THRU U4-16
FIBER OPTIC (BEN LOMAND CONNECT)	U5-1 THRU U5-15

*NOTE: SHEETS U1-2, U1-3, AND U3-1 NOT USED

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

CUMBERLAND COUNTY

SR-28 (US-127) FROM NEAR POTATO FARM ROAD
TO NEAR HOLLOW LANE (TMA) (EPD)

UTILITY OWNERS AND CONTACTS:

ELECTRIC: VOLUNTEER ENERGY COOPERATIVE P.O. BOX 277 DECATUR, TN 37322 CONTACT:MR. LARRY LARGENT llargent@vec.org PHONE: (423) 334-7042	WATER: CROSSVILLE/CATOOSA WATER DEPARTMENT 392 NORTH MAIN STREET CROSSVILLE, TN 38555-4232 CONTACT:MR. JEFF JOHNSON jeff.johnson@crossvilletn.gov PHONE:(931) 277-5126	CABLE: CHARTER COMMUNICATIONS 851 S. WILLOW AVE, SUITE 206 COOKEVILLE, TN 38501 CONTACT:MR. MORGAN WILCHER morgan.wilcher@charter.com PHONE:(931) 239-9222
FIBER OPTIC: BEN LOMAND CONNECT P.O. BOX 670 MCMINNVILLE, TN 37110 CONTACT:MR. RICHARD BOYD richardboyd@benlomand.org PHONE: (931) 688-4132	GAS: MIDDLE TENNESSEE NATURAL GAS P.O. BOX 670 SMITHVILLE, TN 37166 CONTACT: MATT STENNETT, P.E. mstennett@mtng.com PHONE: (931) 754-3515	CABLE: COMCAST (XFINITY) 5720 ASHEVILLE HIGHWAY KNOXVILLE, TN 37924 CONTACT:MR. ROGELIO GOMEZ rogelio_gomez@comcast.com PHONE: (865) 985-4481
PHONE: FRONTIER COMMUNICATIONS 2104 WEST EMORY ROAD POWELL, TN 37849 CONTACT:MR. JIM HEATHERLY james.heatherly@ftr.com PHONE: (865) 947-8260	ELECTRIC: TENNESSEE VALLEY AUTHORITY 1101 MARKET ST CHATTANOOGA, TN 37402 CONTACT:MR. STEPHEN WILLIAMS sewilliams@tva.gov PHONE: (862) 255-6272	

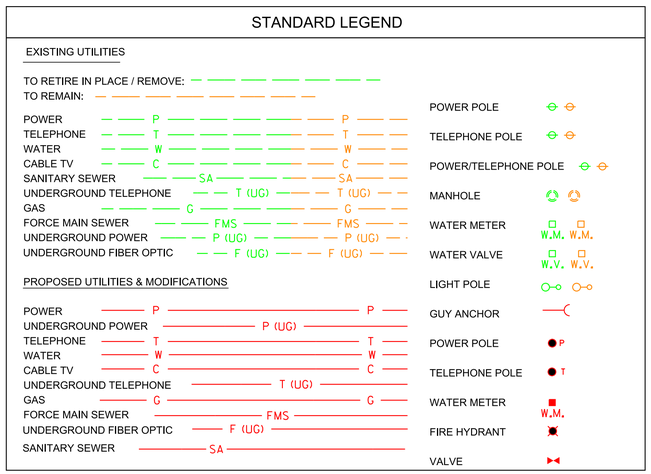
UNDERGROUND UTILITIES NOTE

ALL UNDERGROUND UTILITIES MUST BE DIRECTIONAL BORED UNDER ALL STREAMS IDENTIFIED IN THE PLANS

SPECIAL NOTES

SOME UTILITIES CAN BE LOCATED BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC.
AT 1-800-351-1111

STANDARD LEGEND



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY
REFERENCE

3/30/2026 2:19:48 PM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U1-4
		100260.03	

N

UNNAMED TRIBUTARY

POND

8" HDPE HAS BEEN PURGED, CUT, CAPPED & ABANDONED IN PLACE

1280

1285

1290

PIN 100260.03
BEGIN PROJ. NO. STP/NH/HPP-28(32);
18008-3230-14 (CONST.)
STA. 1282+00.00 S.R. 28
N:635100.2403
E:2245126.0239

BARN

SILO

FOUNDATION

PT 1+78.48

PROP. ROW (BY OTHERS)

PC 1+05.60

1-FR. SHED

TANK

PT 0+80.56

R.C. 1-FR.

PC 0+51.71

WOVEN WIRE

PERM. DRAINAGE ESMT. (BY OTHERS)

FUTURE S.R. 28

19

HUEL S. NEAL AND WIFE HATTIE

TOP OF CUT

TO BE REMOVED 20' OF 12"CMP

TO BE REMOVED 30' OF 12"CMP

P.L. & S.R. 28
N 5° 24' 35" W

PRESENT ROW

CMP

PC 0+60.68

N14°15'18"W 326.35'

N14°15'18"W 124.93'

N13°34'02"W 549.30'

PRESENT ROW

PT 1+01.12

BARB WIRE

BERM (RETAIN)

MATCH LINE STA. 1290+00 SEE SHT. NO. U1-5

30' OF 12"CMP

32' OF 18"CMP

N 14° 15' 18" W 151.96'

N14°41'21"W 410.01'

PROP. ROW (BY OTHERS)

N77°46'39"W 24.84'

TR. RES.

R=743.10'

L=84.00'

Δ=6°28'39"

CH=83.78'

1-FR. RES.

15'

150

HAROLD LAVON ALLRED

BETTY MYERS

21

HUBERT CONLEY ROAD

N84°26'46"W 5.00'

S 84°26'46" E 146.83'

160.83'

BARN

22

DEANN J. STONE, MELISSA GAIL STACK, AND TRACEY LEVON BALDWIN

POND

PND-1

23

JOHN ALEXANDER TEEPLE

1-FR. BARN

POND

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

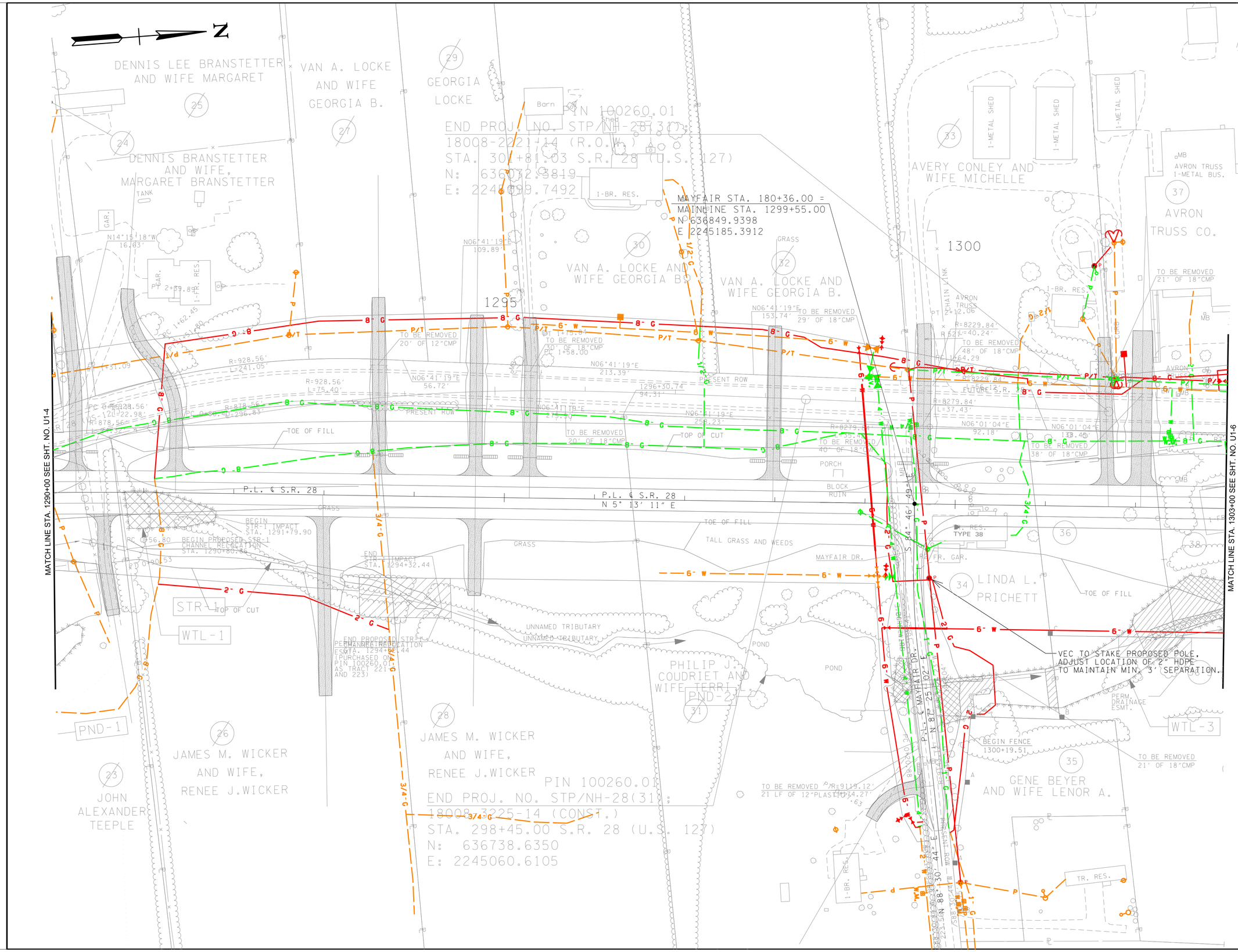
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

STA. 1282+00 TO STA. 1290+00

SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U1-5
		100260.03	



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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

STA. 1290+00 TO STA. 1303+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U1-6
		100260.03	

MATCH LINE STA. 1303+00 SEE SHT. NO. U1-5

MATCH LINE STA. 1316+00 SEE SHT. NO. U1-7

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

STA. 1303+00 TO STA. 1316+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U1-7
		100260.03	

N

MATCH LINE STA. 1316+00 SEE SHT. NO. U1-6

MATCH LINE STA. 1329+00 SEE SHT. NO. U1-8

BYERS STA. 215+87.10 =
S.R. 28 CONST. ℄ STA. 1316+55.00
N 638542.8901
E 2245340.0505

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTIUTILITY REFERENCE

STA. 1316+00 TO STA. 1329+00

SCALE: 1"= 50'

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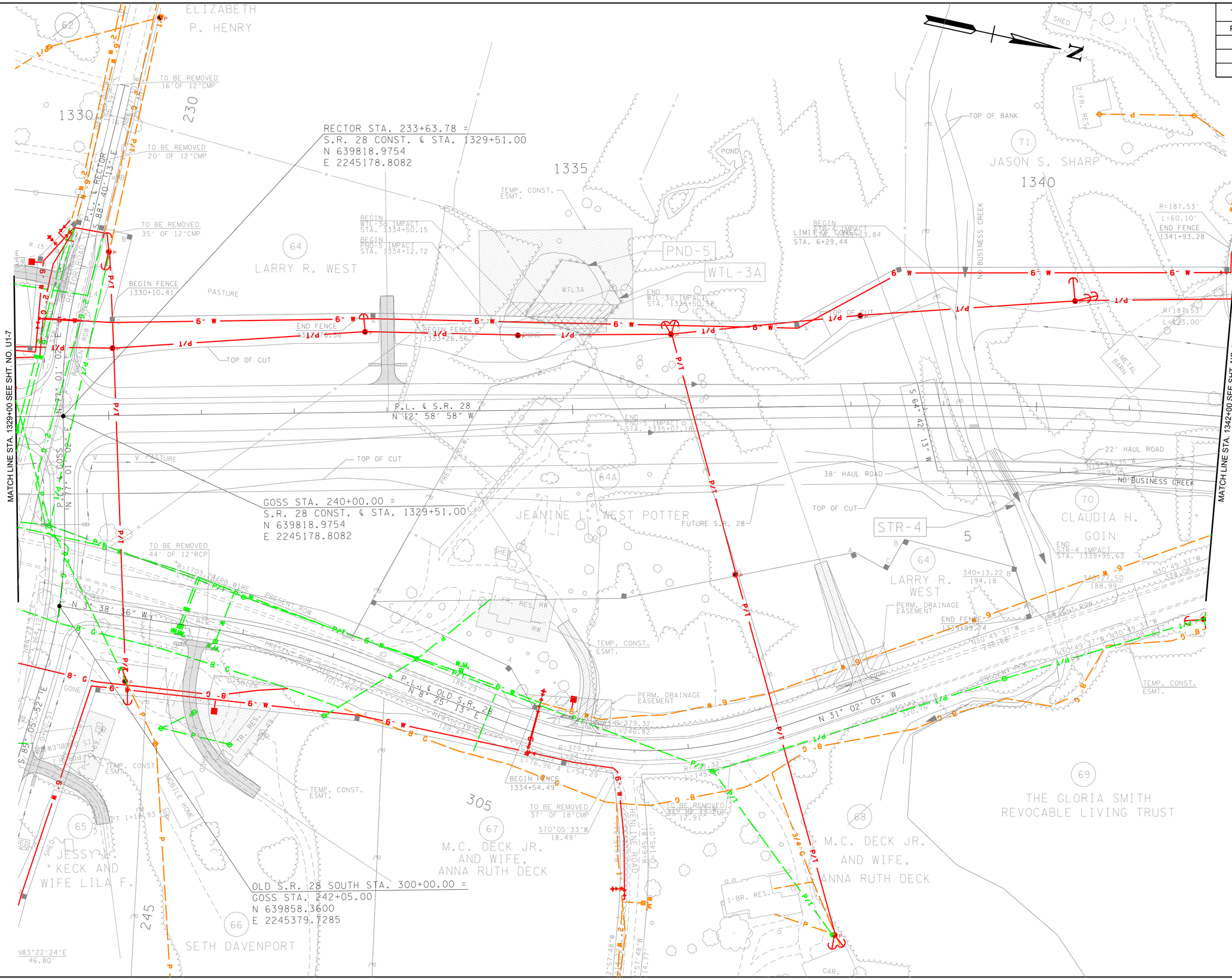
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U1-8
		100260.03	



R.O.W. PLANS

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

STA. 1329+00 TO STA. 1342+00

SCALE: 1"= 50'

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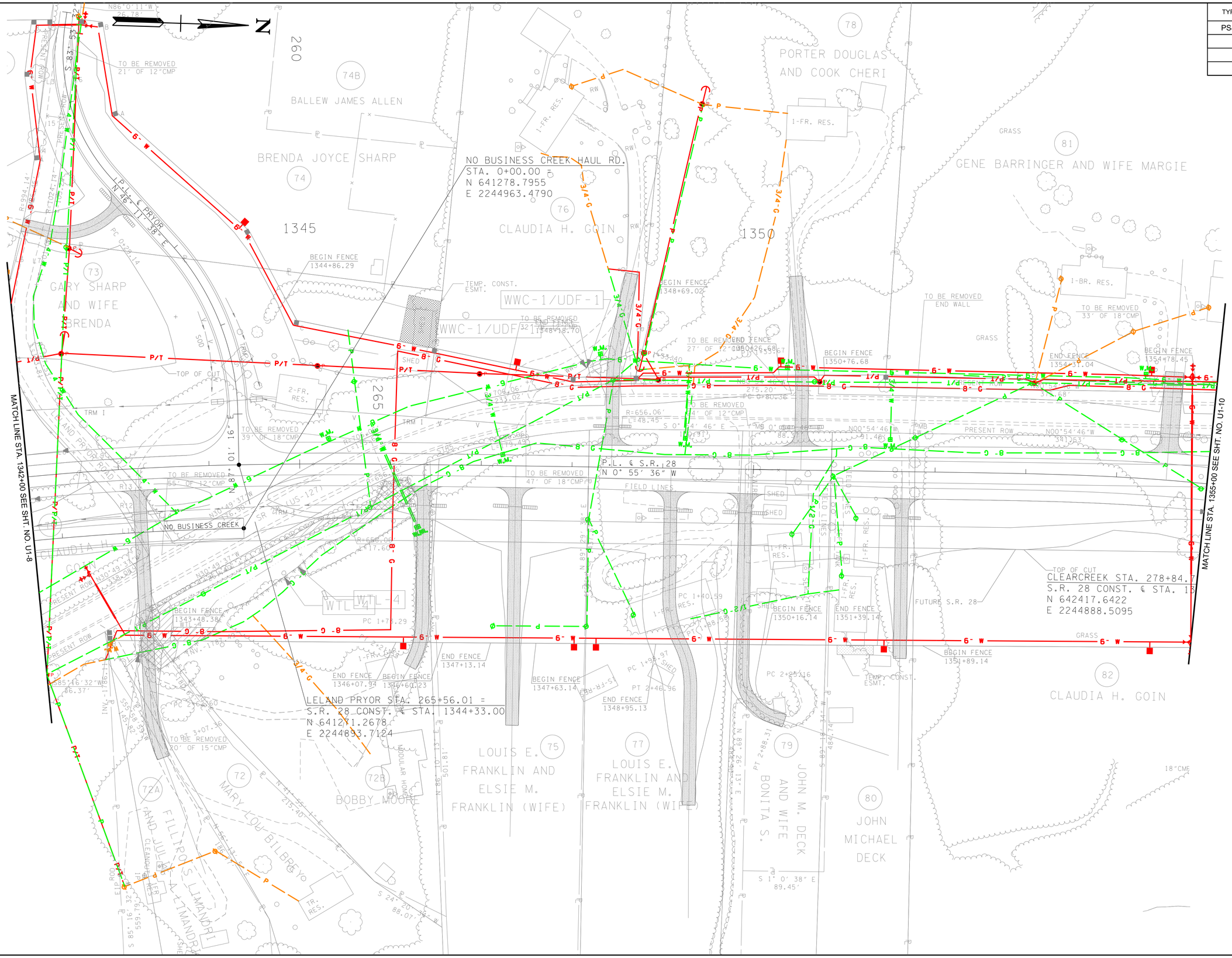
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U1-9
		100260.03	



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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

STA. 1342+00 TO STA. 1355+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U1-10
		100260.03	

N

81

CLEAR CREEK ROAD

PRESENT ROW N88°06'26"W 313.77'

PRESENT ROW N88°06'26"W 425.48'

P.L. ℄ CLEARCREEK S 81° 55' 40" E

TO BE REMOVED 21" OF 12"CMP

WOOD

2752

ANJANETTE CONLEY

85

WTL-6

24"CMP TO REMAIN

1360

83

TR. RES.

BEGIN FENCE 1355+25.78

RONALD FRANK WEBB

GENES CARRICO 1-BL. 5.

END FENCE 1355+34.58

R=9800.20' L=28.63' END FENCE 1355+53.28

BEGIN FENCE 1357+08.91

S 88°21'22"W 1355.89'

N88°21'22"E 1355.89'

L=51.98

R=9850.20' L=78.59'

R=9850.20' L=71.50'

S 84° 11' 52" E

NO1°13'16"W 143.39'

STA. 28 (US-127)

NO1°13'16"W 192.21'

TOP OF CUT

BEGIN TEMPORARY STR-6 IMPACT STA. 1360+59.56

INV. 1814.01

6 EW

TR. RES.

P.L. ℄ S.R. 28 N 6° 55' 21" E

PASTURE

TYPE IN LINE

CHARLOTTE J. JONES

WOOD

END TEMPORARY STR-6 IMPACT STA. 1360+42.01

TOE OF FILL

TEMP. CONST. ESMT.

PC 0+37.11

PI 0+55.99

WTL-5

INV. 1807.59

STR-6

TEMP. CONST. ESMT.

END FENCE 1355+63.84

UNNAMED TRIBUTARY

STR-6

82

CLEARCREEK STA. 278+84.79 = S.R. 28 CONST. ℄ STA. 1355+80.00

N 642417.6422

E 2244888.5095

TO REMAIN

BEGIN FENCE 1356+22.72

86

LAWRENCE PEIPER AND WIFE TERRY PEIPER

CLAUDIA H. GOIN

UNNAMED TRIBUTARY

MATCH LINE STA. 1355+00 SEE SHT. NO. U1-9

℄ = 55+80.00

88

TWANA A. REAGAN

OBSCURED

40" OF 10" PVC CASING TO BE USED UNDER DRIVEWAY WATER AND GAS TO LAY 9' TO 10' BELOW GRADE UNDER DRIVEWAY. CONTRACTOR TO COORDINATE WITH MTNG TO INSTALL BOTH LINES AT THE SAME TIME UNDER DRIVEWAY.

NO INFORMATION

WELL

1365

BEGIN FENCE 1367+30.37

END FENCE 1366+79.29

R=16241.75' L=20.40'

PC 1450+

NO1°13'16"W 477.92'

NO1°13'16"W 328.80'

NO1°13'16"W 258.64'

NO1°13'16"W 128.08'

R=16241.75'

L=82.43'

FUTURE S.R. 28

TO BE REMOVED 41" OF 18"CMP

TOP OF CUT

P.L. ℄ S.R. 28 N 0° 55' 36" W

BEGIN FENCE 1362+29.56

END FENCE 1364+07.99

BEGIN FENCE 1364+57.99

89

LAWRENCE PEIPER AND WIFE TERRY PEIPER

FOUNDATION

LAT: 36° 05' 47.06603" N

LONG: 85° 03' 51.54779" W

(CENTERED BETWEEN 1282+00 AND 1443+15.11)

TEMP. CONST. ESMT.

END FENCE 1366+73.99

TR. RES.

BEGIN FENCE 1367+23.90

90

DAVID JUDD

91

MATCH LINE STA. 1367+50 SEE SHT. NO. U1-11

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

STA. 1355+00 TO STA. 1367+50

SCALE: 1"= 50'

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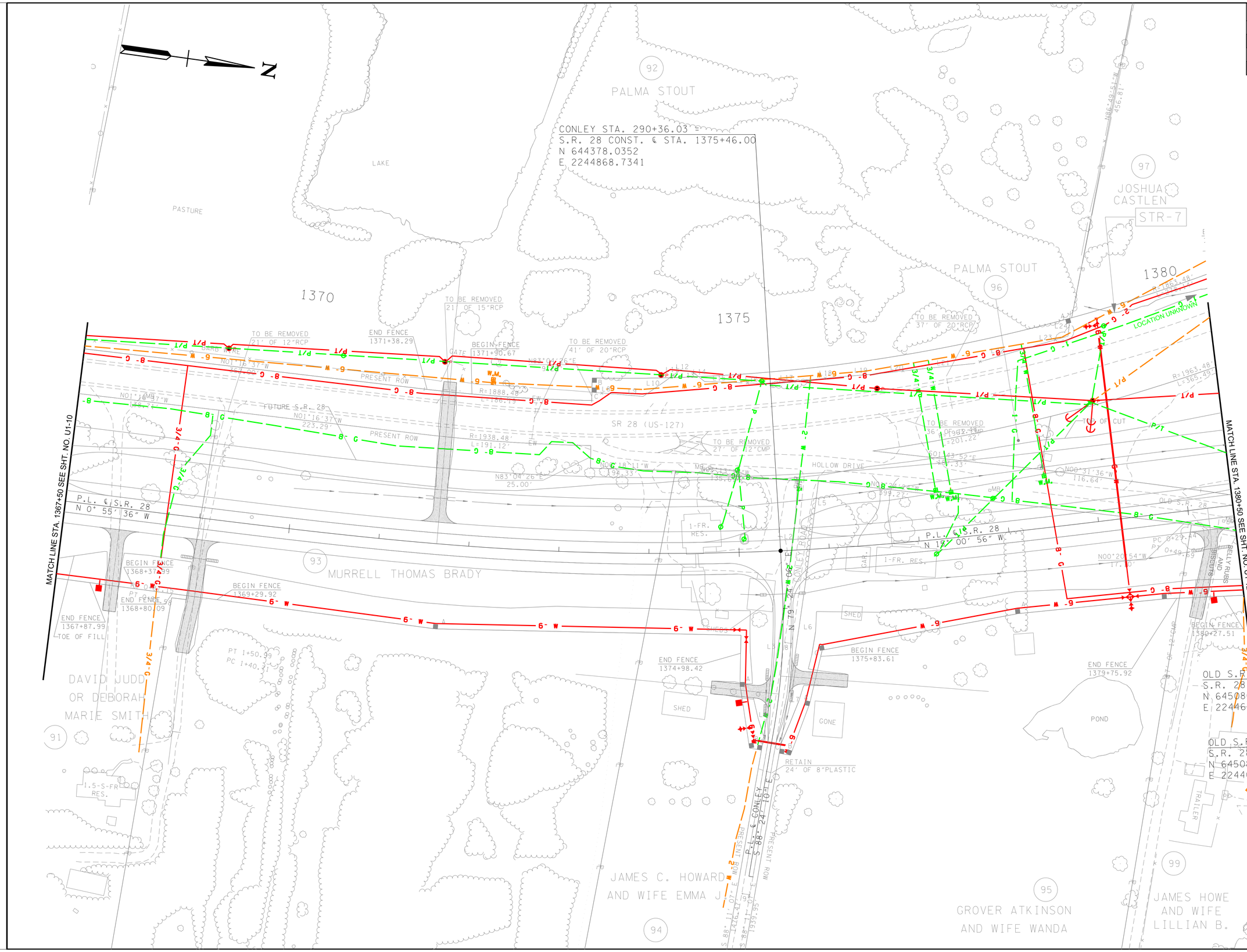
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U1-11
		100260.03	



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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

UTUTILITY REFERENCE

STA. 1367+50 TO STA. 1380+50

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U1-12
		100260.03	

MARSON O. ROBERSON AND WIFE WANDA FAYE

JOSHUA CASTLEN

RUSSELL SMITH AND WIFE CAROL SMITH

HOWARD D. MILLER AND WIFE SHARON M.

JACK W. REEDS AND SANDRA D. REEDS HUSBAND AND WIF

PAUL VICKERS

WILLIAM E. BAUCUM FUTURE S.R.A.R.D. AND WIFE VICTORIA Y. BAUCUM

AVIAGEN INC.

DOUGLAS S. CLARKSON AND WIFE ALEXANDRA

RENEE PYLE AND CHARLOTTE M. JONES

JAMES HOWE AND WIFE LILLIAN B.

BRETT PHILLIPS AND WIFE CHELSEA

LICKFORK CREEK HAUL RD. SOUTH
STA. 2+00.00 =
N 646012.2050
E 2244434.1460

28 WEST STA. 324+86.73 =
CONST. ℄ STA. 1382+71.00
.8229
1.3426

28 EAST STA. 330+00.00 =
CONST. ℄ STA. 1382+71.00
.8229
1.3426

MATCH LINE STA. 1380+50 SEE SHT. NO. U1-11

MATCH LINE STA. 1393+00 SEE SHT. NO. U1-13

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

STA. 1380+50 TO STA. 1393+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U1-13
		100260.03	

LICKFORK CREEK HAUL RD. NORTH STA. 12+64.46 =
LICKFORK CREEK HAUL RD. NORTH 2 STA. 25+00.00
N 646630.5894
E 2244486.8599

LICKFORK CREEK HAUL RD. NORTH.
STA. 10+00.00 =
N 646468.9045
E 2244609.8386

MATCH LINE STA. 1393+00 SEE SHT. NO. U1-12

MATCH LINE STA. 1406+00 SEE SHT. NO. U1-14

EXTRA DEPTH IF NECESSARY FOR HAUL ROAD AND BRIDGE RIP-RAP

EXTRA DEPTH IF NECESSARY TO AVOID PIER #2 AND PROPOSED DITCH

JACK W. REEDS AND SANDRA D. REEDS, HUSBAND AND WIFE (106)

RENEE PYLE AND CHARLOTTE M. JONES (105)

GREG P. AND TERI A. TRANTANELLA (109)

BRETT PHILLIPS AND WIFE CHELSEA (107)

CARL S. BRADY AND WIFE JOANNA (111)

REUEL T. ISHAM JR. AND WIFE JUDY K. (112)

CARL S. BRADY AND WIFE JOANNA (110)

SR 28 (US-127)

22' HAUL ROAD

LICKFORK CREEK NORTH

LICKFORK CREEK SOUTH

LICKFORK CREEK 6

OLD S.R. 28

FUTURE S.R. 28

P.L. © S.R. 28

TOP OF BANK

TOP OF CUT 60.45'

TOE OF FILL

TRM I

TRM I TOP OF CUT

LIMIT OF CONST. 17+15.49

LIMIT OF CONST. STA. 26+51.95

LIMIT OF CONST. 1347.00

TIE TO EXIST. ROW 1396+03.03

END FENCE 1396+18.46

BEGIN FENCE 1396+29.37

BEGIN STR-8 IMPACT STA. 1396+82.10

STOCK FENCE DRIVE GATE

END FENCE 1395+83.55

BEGIN FENCE 1393+96.39

END STR-8 IMPACT 1395+50.18

STOCK FENCE DRIVE GATE

END FENCE 1398+27.41

BEGIN FENCE 1398+40.65

TEMP. CONST. ESMT.

GROUND OBSCURED

GABIONS

TO BE REMOVED 37' OF 15"CMP

373' OF 18"CMP

BEGIN FENCE 1405+70.14

END FENCE 1406+21.94

TEMP. CONST. 59.52

PC 0+57.02

PT 1+01.17

END FENCE 1405+00.92

I-S-FR. RES.

I-S-BRK. RES.

SHED

GARAGE

POND

PND-7

N 15° 38' 45" W 1

N 43°28'16" W 60.45'

N 55°37'53" W 27.00'

N 54°36'52" W 28.40'

N 54°36'52" W 17.70'

N55°37'27"W 51.08'

N52°00'40"W 165.50'

N52°00'40"W 155.36'

N59°01'40"W 50.00'

N30°49'48"E 31.32'

N30°49'48"E 5.03'

N30°33'25"E 123.72'

N31°16'51"E 144.57'

N31°16'51"E 955.43'

N31°16'51"E 1397+15.09 70.17' 222.34

N31°22'46"E 395.71'

N 31° 22' 46" E 10.49'

N31°25'40"E 168.72'

N81°46'00"W 27.61'

N 86° 45' 24" W 41.76'

N 81° 22' 46" E 1104.90'

N 81° 22' 46" E 1166.64'

N 81° 22' 46" E 1104.90'

S31°25'03"W 113.68'

S31°25'03"W 452.65'

S59°13'02"W 50.01'

S 78° 13' 09" E 1397+18.28 95.18'

S 83° 19' 22" E 268.67'

S75°18'45"E 60.38'

S75°18'45"E 173.17'

S76°03'45"E 173.17'

S76°22'59"E 182.92'

N80°27'02"E 42.14'

N80°27'02"E 42.14'

N89°27'02"E 42.14'

N89°52'33"W 25.19'

N45°13'05"E 62.93'

N45°13'05"E 62.93'

R=987.84' L=1030.82'

R=894.10' L=402.22'

R=301.05' L=188.12'

R=417.05' L=209.12'

R=62.31' L=102.54'

R=186.54' L=120.26'

R=186.54' L=92.57'

N53°22'46"W 79.08'

N58°43'09"W 100.12'

N58°43'09"E 1397+09.80 100.00'

N53°57'44"W 84.26'

3/4-G

8"-G

6"-W

P/T

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

STA. 1393+00 TO STA. 1406+00

SCALE: 1"= 50'

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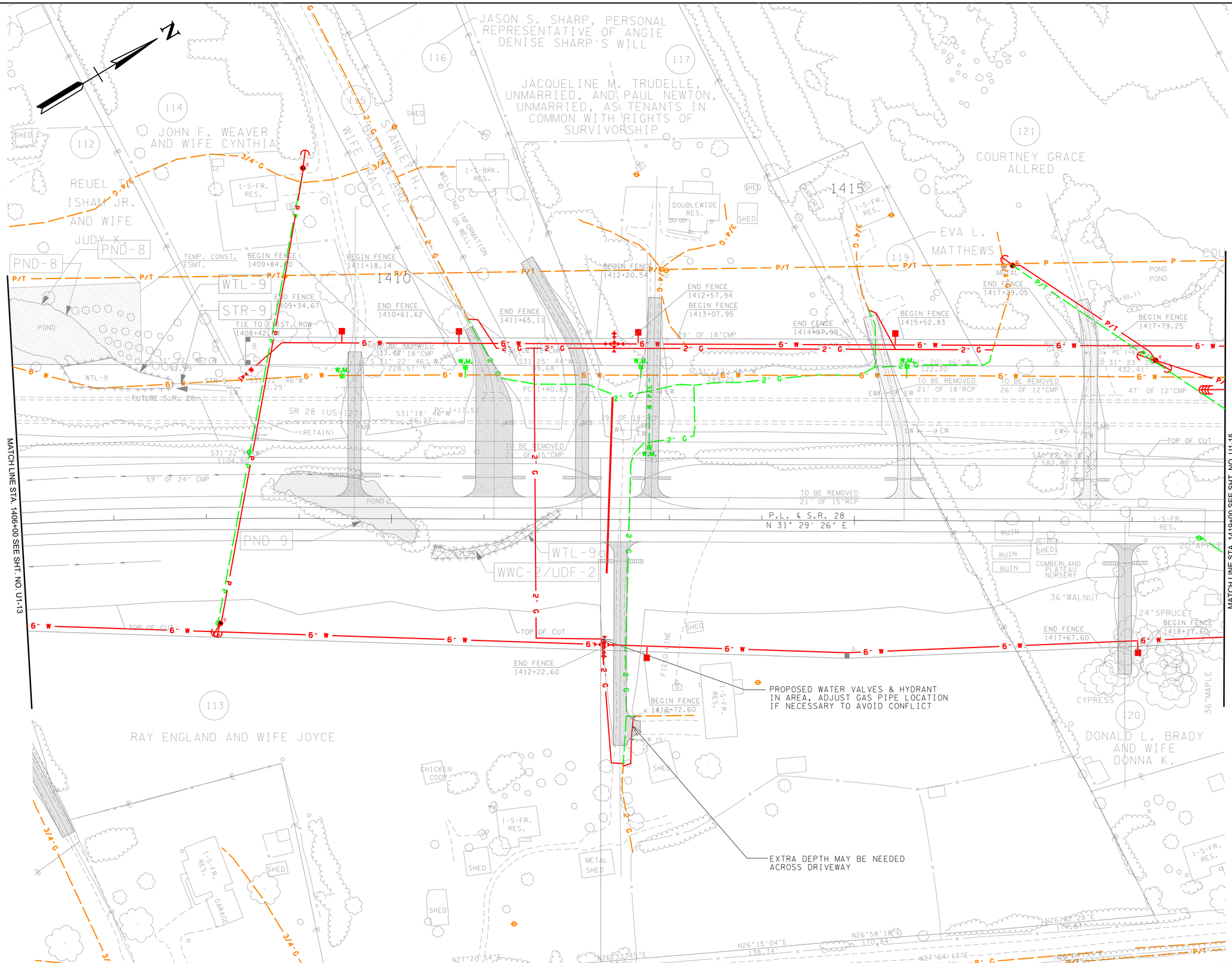
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U1-14
		100260.03	



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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

STA. 1406+00 TO STA. 1419+00

SCALE: 1"= 50'

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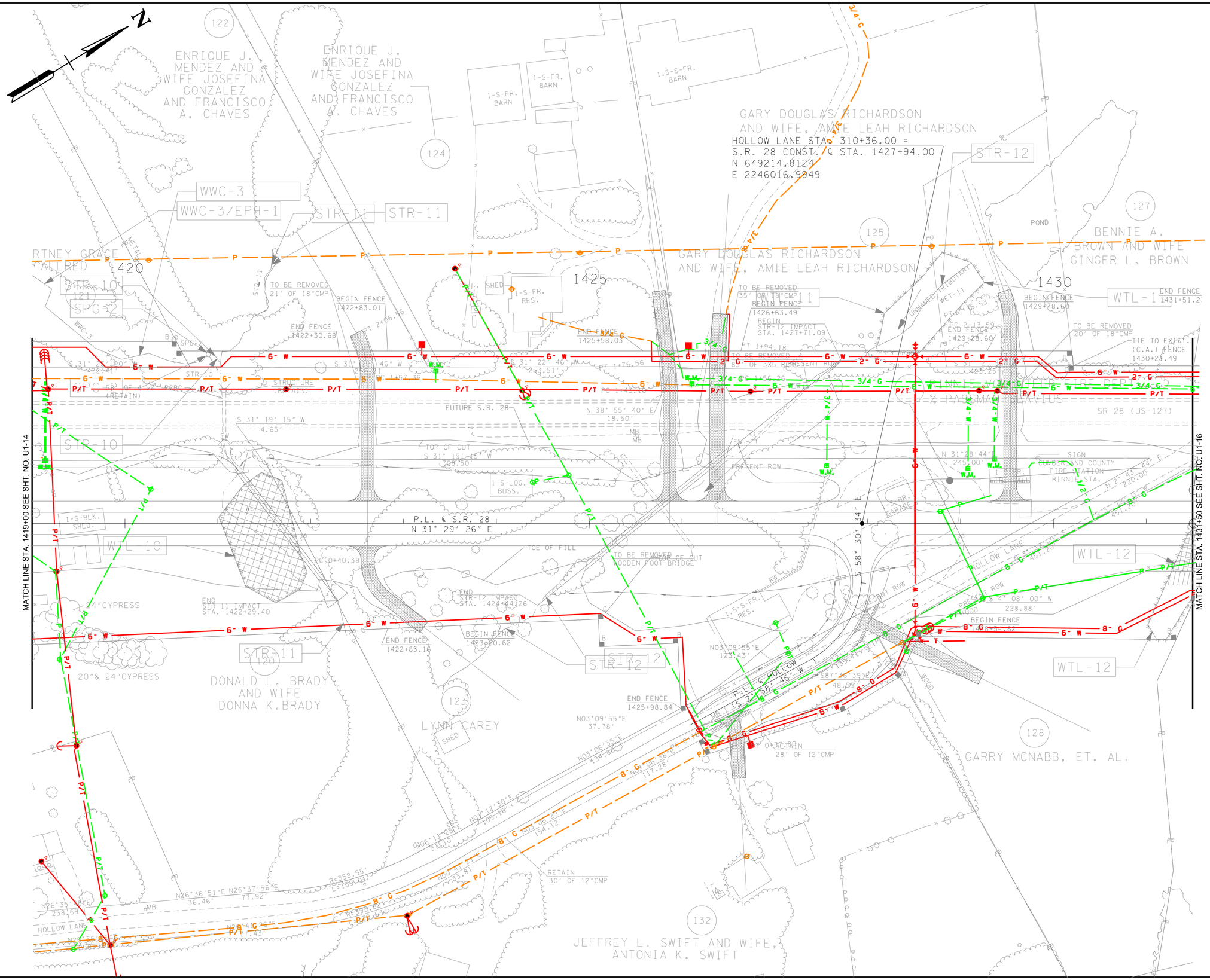
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U1-15
		100260.03	



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

STA. 1419+00 TO STA. 1431+50

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U1-16
		100260.03	

MATCH LINE STA. 1431+50 SEE SHT. NO. U1-15

127
BENNIE A. BROWN
AND WIFE
GINGER L. BROWN

N.B. TRANSITION STA. 801+87.69 =
CATOOSA STA. 500+00.00
N 649716.2439
E 2246320.7545

1435

129
BENNIE A. BROWN,
AND WIFE,
MARGIE BROWN

EXTRA DEPTH NEEDED
ANGLE TO AVOID
PROPOSED DRAINS

1440

TO BE REMOVED
41' OF 24" RCP

TO BE REMOVED
21' OF 15" CMP

POND

S 30° 51' 5" W
89.81'

S 58° 23' 22" E
21.60'

S 31° 31' 43" W
41.41'

N 51° 46' W
41.41'

TO BE REMOVED
41' OF 18" CMP

S 31° 39' 54" E
293.48'

PRES. ROW & PROP.
(C.A.) FENCE (BY OTHERS)

N 31° 39' 54" E
71.79'

S 32° 1' 27" W
167.45'

TOP OF CUT

N 31° 2' 56" E
31.28'

N 31° 2' 56" E
111.47'

N 31° 2' 56" E
124.21'

ELMORE RD.

FUTURE S.R. 28

WTL-12

S 31° 15' 41" W
41.41'

N 31° 57' 30" E
141.32'

R=25.00'
L=39.23'

N31°14'6"E
210.30'

S 31° 14' 6" W
210.30'

S 31° 39' 31" W
199.59'

N 30° 45' 0" E
200.00'

SOD

N57°58'45"W
29.52'

500

P.L. & NB TRANSITION
N 19° 20' 28" E

100' OF
36" RCP

TO BE REMOVED
41' OF 15" CMP

N57°58'45"W
9.82'

WOOD

P.L. & S.R. 28
N 31° 29' 26" E

TOP OF CUT

130
ODES L. COOK
AND
JANELLE M. COOK

50' OF
18" RCP

TOP OF FILL

WTL-12

PROP. ROW (C.A.)
& FENCE (BY OTHERS)

END FENCE
1431+51.23

N.B. TRANSITION STA. 800+00.00 =
S.R. 28 CONST. & STA. 1431+92.60
N: 649554.7127
E: 2246225.2088

PROP. ROW
(BY OTHERS)

S 71° 29' 08" E
235.17'

S 71° 34' 47" E

R=22.92'
L=22.59'

134
MILLARD V. OAKLEY

NOTE: WTL-12 ON 100260.03 IS
WTL-1 ON 100260.04

PIN 100260.03
END PROJ. NO. STP/NH/HPP-28(32):
18008-2226-14 (R.O.W.)
STA. 1431+51.23 S.R. 28
N:649519.4315
E:2246203.5965

PIN 100260.03
END PROJ. NO. STP/NH/HPP-28(32):
18008-3230-14 (CONST.)
STA. 1443+15.11 S.R. 28
N:650511.9000
E:2246811.5563

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

STA. 1431+50 TO STA. 1443+15

SCALE: 1"= 50'

3/30/2026 2:20:11 PM
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO. ---

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	Project No. 1: 18008-2221-14 QUANTITY	% Utility Betterment	% Project Public	% Project Private
795-02.04	6IN HDPE WATER LINE	LF		2000	0.00%	0.00%	100.00%
795.02.32	6IN HDPE WATER LINE (HDD)	LF		300	0.00%	0.00%	100.00%
795-03.04	4IN PVC WATER LINE	LF		500	0.00%	0.00%	100.00%
795-03.05	6IN PVC WATER LINE	LF		26122	0.00%	0.00%	100.00%
795-03.07	10IN PVC WATER LINE	LF		175	0.00%	0.00%	100.00%
795-05.10	HHD 2IN HDPE CASING PIPE - UNCON	LF		200	0.00%	0.00%	100.00%
795-05.62	BORE/JACK 10IN STEEL CASING PIPE - UNCON	LF		203	0.00%	0.00%	100.00%
795-06.01	CONNECT TO 2IN WATER LINE	EA		3	0.00%	0.00%	100.00%
795-06.03	CONNECT TO 4IN WATER LINE	EA		3	0.00%	0.00%	100.00%
795-06.04	CONNECT TO 6IN WATER LINE	EA		14	0.00%	0.00%	100.00%
795-06.28	TEMPORARY TIE IN	EA		4	0.00%	0.00%	100.00%
795-06.30	CUT/CAP EXISTING LINES (ALL SIZES)	EA		17	0.00%	0.00%	100.00%
795-06.35	CUT/CAP SERVICE LINE	EA		8	0.00%	0.00%	100.00%
795-07.01	4IN X 4IN TAPPING SLEEVE & VALVE	EA		4	0.00%	0.00%	100.00%
795-07.03	6IN X 6IN TAPPING SLEEVE & VALVE	EA		11	0.00%	0.00%	100.00%
795-08.03	4IN GATE VALVE ASSEMBLY	EA		1	0.00%	0.00%	100.00%
795-08.04	6IN GATE VALVE ASSEMBLY	EA		98	0.00%	0.00%	100.00%
795-09.01	3/4IN WATER SERVICE METER ASSEMBLY	EA		61	0.00%	0.00%	100.00%
795-09.03	1IN TO 1-1/2IN WATER SERVICE METER ASSEMBLY	EA		4	0.00%	0.00%	100.00%
795-09.09	RELOCATE/RECONNECT SERVICE ASSEMBLY	EA		1	0.00%	0.00%	100.00%
795-09.60	3/4IN PEXa SERVICE PIPE	LF		700	0.00%	0.00%	100.00%
795-10.25	3/4IN PRV ASSEMBLY	EA		20	0.00%	0.00%	100.00%
795-11.01	BLOW OFF ASSEMBLY	EA		7	0.00%	0.00%	100.00%
795-11.02	FIRE HYDRANT ASSEMBLY	EA		20	0.00%	0.00%	100.00%
795-12.35	REMOVAL OF EXISTING LINE 4" OD OR GREATER	LF		5000	0.00%	0.00%	100.00%
795.13.04	BRIDGE HANGER SYSTEM	EA		1	0.00%	0.00%	100.00%
795-13.05	CREEK CROSSING #1	EA		1	0.00%	0.00%	100.00%
795-13.06	CREEK CROSSING #2	EA		1	0.00%	0.00%	100.00%
795-13.07	CREEK CROSSING #3	EA		1	0.00%	0.00%	100.00%
795-13.08	CREEK CROSSING #4	EA		1	0.00%	0.00%	100.00%
795-13.09	CREEK CROSSING #5	EA		1	0.00%	0.00%	100.00%
795-13.10	CREEK CROSSING #6	EA		1	0.00%	0.00%	100.00%
795-14.08	RESTORE ASPHALT	SY		190	0.00%	0.00%	100.00%
795-14.09	RESTORE CONCRETE	SY		210	0.00%	0.00%	100.00%
795-15.30	10IN STEEL CASING PIPE OPEN CUT	LF		1500	0.00%	0.00%	100.00%

- TEMPORARY TIE INS TO BE INSTALLED AS DIRECTED BY THE CITY ENGINEERING DEPT OR ITS REPRESENTATIVES
- PERMANENT UTILITY EASEMENTS ON TRACTS 33, 78, AND 81

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-1
		100260.03	

NOTE: IF THE PROPOSED ROAD GRADING HAS BEEN COMPLETED TO SUB GRADE, ELEVATIONS OF PIPE INSTALLATION SHALL BE MIN. DEPTH AS DICTATED BY THE FLOW LINE ELEVATIONS FOR THE PROPOSED ROAD DITCHES, DRIVEWAY DITCHES, AND DRAINAGE STRUCTURES.

REV: 3-02-26: AS PER TDOT

REV: 3-23-26: TDOT R/W & PIPE CHANGES

NOTE: SIDE CASTINGS FROM TRENCH EXCAVATION ARE TO BE KEPT ON THE RIGHT OF WAY, NO EASEMENTS TO BE ACQUIRED FOR SIDE CASTINGS.

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03/23/2026

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Established 1958
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THE CITY OF
CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

WATER RELOCATION

INDEX OF SHEETS & ESTIMATED QUANTITIES

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

SYMBOLOGY AND LINESTYLES

EXISTING UTILITIES

6"W — 6"W	WATER
6"G — 6"G	GAS
6"SA — 6"SA	SEWER
6"FMS — 6"FMS	FORCE MAIN
C(UG) — C(UG)	CABLE (UG)
F(UG) — F(UG)	FIBER OPTIC (UG)
P/T — P/T	POWER/TELEPHONE
P — P	POWER
P(UG) — P(UG)	POWER (UG)
P/C — P/C	POWER/CABLE
P/TV — P/TV	POWER/TV
T/C — T/C	TELEPHONE/CABLE
T — T	TELEPHONE
T(UG) — T(UG)	TELEPHONE (UG)
TV(UG) — TV(UG)	TELEVISION (UG)
TV — TV	TELEVISION
⊠	FIRE HYDRANT
□ G.M.	GAS METER
□ G.V.	GAS VALVE
◯	MANHOLE
◯	SEWER MANHOLE
□ S.V.	SEWER VALVE
□ TEL. PED.	TELEPHONE PEDESTAL
⊖	POWER POLE
⊖	POWER POLE w/LIGHT
□ W.M.	WATER METER
□ W.V.	WATER VALVE

PROPOSED UTILITIES & MODIFICATIONS

6"W	PROPOSED WATER LINE
6"W RIP	EX. WATER LINE (RETIRED IN PLACE)
—X—X— 6"W —X—X— 6"W —X—X— 6"W —	EX. WATER LINE (TO BE REMOVED)
6"W	EX. WATER LINE (TO REMAIN)
⋈	PROPOSED WATER VALVE
▶	PROPOSED WATER REDUCER
■	PROPOSED WATER METER
⊕	PROPOSED HYDRANT

PROJECT NOTES

1. 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 WORK ITEM.
2. THE CONTRACTOR MUST MAINTAIN ALL SERVICES DURING THE CONSTRUCTION OF THE RELOCATED FACILITY. ANY COSTS ASSOCIATED WITH THE 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.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LAY OUT ALL THE FACILITIES BEING RELOCATED WITHIN THE CONTRACT WITH REGARDS TO HORIZONTAL AND VERTICAL LOCATION.
4. FOR BURIED UTILITIES, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE THE UTILITY UPON COMPLETION OF THE RELOCATION WORK A SET OF AS-BUILT DRAWINGS FOR THEIR RECORDS. THESE AS-BUILT DRAWINGS SHOULD BE PREPARED AS THE INSTALLATION PROGRESSES TO ENSURE THEIR ACCURACY.
5. DRIVEWAY, SIDEWALK, AND ROADWAY TEMPORARY RESTORATION SHALL BE PART OF THE IN-PLACE COST OF THE PLACING THE UTILITY ITEM WITHIN THE ROW.
6. 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 HORIZONTAL BORING TECHNOLOGY WITH NO STREAM CHANNEL IMPACTS.
7. ALL WATER LINES SHALL BE INSTALLED WITH A MINIMUM COVER OF 36 IN, UNLESS CALLED OUT OTHERWISE
8. ALL WATER LINES SHALL BE INSTALLED 5-6 FT. INSIDE ROW, UNLESS SHOWN DIFFERENTLY
9. CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. COORDINATES SHOWN FOR CONNECTIONS TO EXISTING WATER LINES ARE APPROXIMATE
10. CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING ROAD CROSSINGS AND NOTIFY ENGINEER OF ANY CONFLICTS.
11. CONTRACTOR TO COORDINATE LOCATION OF "SERVICE CONNECTIONS" WITH THE CITY OF CROSSVILLE AS WELL AS ANY AND ALL CUTS & CAPS ON EXISTING SERVICE LINES.
12. ALL 2 IN. HPDE WATER LINE, ITEM #795-02.01 SHALL BE USED FOR 2 IN. HDPE CASING PIPE OPEN CUT METHOD
13. ITEM #795-03.10, 10 IN. PVC WATER LINE SHALL BE USED AS CASING PIPE FOR 6 IN. PVC WATER LINE WHERE MINIMUM DISTANCES WITH OTHER UTILITY LINES OR DRAINAGE LINE THAT CANNOT BE MAINTAINED.
14. ELEVATIONS GIVEN FOR DRIVEWAY/SIDEROADS SHALL BE MAINTAINED FOR ENTIRE WIDTH OF THE DRIVEWAY/SIDE ROAD CROSSINGS. DEPTH OF DRIVEWAY CUTS TO BE DETERMINED PER TDOT ROW PLANS SHEETS 24-35 DRIVEWAY AND FIELD ENTRANCE PROFILES.
15. HDPE WATER LINES SHALL EXTEND A MINIMUM OF 5 FT. PAST THE END OF CASING
16. DUE TO THE PARALLEL PROJECT OF INSTALLATION OF NATURAL GAS LINE ALONG THE PROJECT ROUTE, THE SECONDARY UTILITY IS TO BE LAIN 2 FEET BELOW THE FIRST (UNLESS SHOWN DIFFERENTLY ON INDIVIDUAL PLAN SHEETS).

NOTES FOR ESTIMATING COSTS OF BID ITEMS:

WATER LINES
INCLUDES ALL MATERIALS, LABOR, AND 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, BACTERIOLOGICAL SAMPLING, TEMPORARY/PERMANENT SURFACE RESTORATION, AND ANY OTHER LABOR OR MATERIAL REQUIRED TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS.

INSTALLATION OF ALL FITTINGS USED IS TO BE INCLUDED IN THE BID PRICE OF THE PIPE. NO ADDITIONAL PAYMENT ITEM WILL BE SHOWN FOR FITTINGS.

HORIZONTAL DIRECTIONAL DRILLING
INCLUDES ALL MATERIALS, LABOR, EQUIPMENT, AND TRAFFIC CONTROL. INCLUDING BUT NOT LIMITED TO FLUID CONTAINMENT FOR COMPLETE HORIZONTAL DIRECTIONAL DRILLING INSTALLATION OF CASING PIPE OR UNCASED CARRIER PIPE (IN BOTH UNCONSOLIDATED SOIL OR ROCK). IF CASING PIPE HAS CARRIER PIPE, THE CARRIER PIPE SHALL BE PAID AT THE OPEN CUT ITEM.

CONNECTION TO EXISTING WATER LINE
INCLUDES ALL MATERIALS (INCLUDING TAPPING SLEEVE AND SADDLES), LABOR, AND EQUIPMENT NECESSARY FOR CONNECTING TO AN EXISTING WATER LINE INCLUDING TRAFFIC CONTROL.

TAPPING SLEEVES AND VALVES
INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT INCLUDING BUT NOT LIMITED TO TAPPING SLEEVE, VALVE, VALVE BOX, BOX ADJUSTMENT, VALVE BOX COLLAR, VALVE MARKER, EXCAVATION, BEDDING, BACKFILL, BLOCKING AND RESTRAINT, TAP OF EXISTING LINE, AND TRAFFIC CONTROL

WATER VALVES
INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT INCLUDING BUT NOT LIMITED TO MACHINERY, TOOLS, APPARATUS NECESSARY FOR INSTALLATION OF ASSEMBLIES AS DESCRIBED IN THE PLANS AND SPECS. EXCEPT FOR SERVICE LINE WHICH IS PAID SEPARATELY FOR EACH FOOT INSTALLED.

WATER SERVICE LINES
INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT FOR COMPLETE INSTALLATION OF SERVICE LINE OR CASING FOR SERVICE LINE ON LONG SIDE AND SHORT SIDE OF MAIN.

LUMP SUM ITEMS
INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT FOR COMPLETE INSTALLATION OF UNIT OR LUMP SUM ITEMS AS SPECIFIED ON BID FORM.

REMOVAL
INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR REMOVAL OF ITEM

CASING PIPE - BORE AND JACK INSTALLATION
INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT INCLUDING BUT NOT LIMITED TO CASING PIPE, PIPE SPACES, CASING END SEALS, FITTINGS, TRACER WIRE, WARNING TAPE, UTILITY LINE MARKERS, AND TRAFFIC CONTROL. IF CASING PIPE HAS CARRIER PIPE, THE CARRIER PIPE SHALL BE PAID AT THE OPEN CUT ITEM.

CASING PIPE - OPEN CUT INSTALLATION
INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT INCLUDING BUT NOT LIMITED TO CASING PIPE, PIPE SPACES, CASING END SEALS, FITTINGS, TRACER WIRE, WARNING TAPE, UTILITY LINE MARKERS, AND TRAFFIC CONTROL. IF CASING PIPE HAS CARRIER PIPE, THE CARRIER PIPE SHALL BE PAID AT THE OPEN CUT ITEM.

WATER METER ASSEMBLY - SEE DETAIL
SEE "SERVICE CONNECTION DETAIL" ON SHEET 16B. TRAFFIC RATED METER BOXES SHALL BE INSTALLED AS NOTED.

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-2
		100260.03	

NOTE: IF THE PROPOSED ROAD GRADING HAS BEEN COMPLETED TO SUB GRADE, ELEVATIONS OF PIPE INSTALLATION SHALL BE MIN. DEPTH AS DICTATED BY THE FLOW LINE ELEVATIONS FOR THE PROPOSED ROAD DITCHES, DRIVEWAY DITCHES, AND DRAINAGE STRUCTURES.

REV: 3-02-26: AS PER TDOT

REV: 3-23-26: TDOT R/W & PIPE CHANGES

NOTE: SIDE CASTINGS FROM TRENCH EXCAVATION ARE TO BE KEPT ON THE RIGHT OF WAY, NO EASEMENTS TO BE ACQUIRED FOR SIDE CASTINGS.

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03/23/2026

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THE CITY OF
CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

WATER RELOCATION

LEGEND & GENERAL NOTES

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

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				STREET ADDRESS	CITY	STATE	ZIP CODE	UTILIZE EXISTING UTILITY EASEMENT	INSIDE CONSTRUCTION EASEMENT
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE BK.	PAGE						
31	JEFFERS CARL ETUX NANCY	038	025.02	1553	555	78 MAYFAIR DRIVE	CROSSVILLE	TN	38571	NO	YES
32	VANA LOCKE ET TUX	038	019.00	1504	1802	9577 HWY 127N	CROSSVILLE	TN	38571	NO	YES
33	AVERY CONLEY ET UX	038	022.00	488	133	9699 HWY 127N	CROSSVILLE	TN	38571	NO	YES
34	LINDA L PRITCHETT	038	024.02	482	85	9732 HWY 127N	CROSSVILLE	TN	38571	NO	YES
35	GENE BEYER AND LENORA	038	024.04	1429	233	115 MAYFAIR DRIVE	CROSSVILLE	TN	38571	NO	NO
36	CAROLYN LIGGETT AND WILMA WILLIAMS	038	024.05	1102	301	HWY 127N	CROSSVILLE	TN	38571	NO	YES
37	AVRON TRUSS CO.	038	021.00	220	23	9707 HWY 127N	CROSSVILLE	TN	38571	NO	YES
38	GENE BEYER AND LENORA	038	024.00	1429	233	9732 HWY 127N	CROSSVILLE	TN	38571	NO	YES
39	PAMELA K BROTHERS	027	089.00	1674	113	9743 HWY 127N	CROSSVILLE	TN	38571	NO	YES
39A	BAPTISH CHURCH OF ISOLINE	027	089.01	1399	1289	HWY 127N	CROSSVILLE	TN	38571	NO	YES
41	GENE BEYER AND LENORA	029	090.03	1085	1440	HWY 127N	CROSSVILLE	TN	38571	NO	YES
42	JOHNNY AND CHRISTY NORRIS	027	090.00	456	26	133 NORRIS ROAD	CROSSVILLE	TN	38571	NO	YES
43	ROSE MICHAEL ET UX REBECCA	027	090.02	1073	1	9842 HWY 127N	CROSSVILLE	TN	38571	NO	YES
44	HARVEY BOBBY J SR	027	088.00	464	246	9829 HWY 127N	CROSSVILLE	TN	38571	NO	YES
45	FIRST MISSIONARY BAPTIST CHURCH	027	090.01	227	423	HWY 127N	CROSSVILLE	TN	38571	NO	YES
46	AVERY CONLEY ET UX	027	087.00	1158	2052	9903 HWY 127N	CROSSVILLE	TN	38571	NO	YES
47	EARL SIEVER	027	091.00	1514	659	9942 HWY 127N	CROSSVILLE	TN	38571	NO	YES
48							CROSSVILLE	TN	38571	NO	
49	AVERY CONLEY ET UX	027	085.00	1203	1557	997 HWY 127N	CROSSVILLE	TN	38571	NO	YES
50	BAPTISH CHURCH OF ISOLINE	027	092.00	176	40	HWY 127N	CROSSVILLE	TN	38571	NO	YES
51	HILTON JAMES A ET UX REBECCA L	027	093.00	1580	1262	9980 HWY 127N	CROSSVILLE	TN	38571	NO	YES
51A	CARL NORRIS	027	093.02	1579	2362	10026 HWY 127N	CROSSVILLE	TN	38571	NO	YES
52	KOPSIE TERRY L	027	084.00	1374	2261	10019 HWY 127N	CROSSVILLE	TN	38571	NO	YES
53	WINNINGHAM JORDAN ET UX MARY	027	084.04	1426	952	90 BYERS LANE	CROSSVILLE	TN	38571	NO	NO
54	DENTON SHARP ET EL	027	094.00	1501	762	10080 HWY 127N	CROSSVILLE	TN	38571	NO	YES
55	JASON WILLIAMS	027	083.01	1634	174	10095 HWY 127N	CROSSVILLE	TN	38571	NO	YES
56	WILLIAM RAY BROWN	027	083.00	1607	316	HWY 127N	CROSSVILLE	TN	38571	NO	YES
57	CHRISTOPHER MILLER	027	095.00	1360	216	10106 HWY 127N	CROSSVILLE	TN	38571	NO	YES
58	BEGLEY CLIFFARD ET AL	027	096.00	1449	901	14 BEGLEY DRIVE	CROSSVILLE	TN	38571	NO	YES
59	ERNEST BEGLEY ET AL	027	096.01	1642	1121	21 BEGLEY DRIVE	CROSSVILLE	TN	38571	NO	YES
60	SHERRILL JOSH	027	082.00	1507	1660	10175 HWY 127N	CROSSVILLE	TN	38571	NO	YES
61	DAMON ALLRED ET AL	027	081.00	1599	1405	10201 HWY 127N	CROSSVILLE	TN	38571	NO	YES
62	HENRY ELIZABETH P	027	080.00	1204	965	89 RECTOR RD	CROSSVILLE	TN	38571	NO	NO
63	COX DALLAS MICHAEL	027	097.00	473	520	94 GOSS ROAD	CROSSVILLE	TN	38571	NO	YES
63A	PUTTER TANIE WEST	027	078.00	1424	2375	10295 HWY 127N	CROSSVILLE	TN	38571	NO	YES
64	LARRY R WEST	027	078.02	1399	505	HWY 127N	CROSSVILLE	TN	38571	NO	YES
65	KEEK JESSY L ET AL	027	098.00	1170	1004	45 GOSS ROAD	CROSSVILLE	TN	38571	NO	YES
66	DAVENPORT SMITH	027	099.00	1637	28	10264 HWY 127N	CROSSVILLE	TN	38571	NO	YES
67	MC DEEK JR ET AL	027	100.01	1228	777	62 HENLINE DRIVE	CROSSVILLE	TN	38571	NO	YES
68	MC DEEK JR ET AL	027	101.00	1538	1010	10376 HWY 127N	CROSSVILLE	TN	38571	NO	NO
69	SMITH GLORIA ET AL	027	046.02	1674	989	HWY 127N	CROSSVILLE	TN	38571	NO	NO

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-3A
		100260.03	

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REV: 3-02-26: AS PER TDOT

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REV: 3-25-26: TDOT R/W & PIPE CHANGES

SEALED BY

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STATE OF TENNESSEE
03/23/2026

HUSSEY GAY BELL
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THE CITY OF
CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

WATER RELOCATION

EASEMENTS & GROUTING/REMOVAL

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

71	JASON S SHARP	027	47.07	1364	1097	83 LELAND PRYOR ROAD	CROSSVILLE	TN	38571	NO	YES
72	MARY LOU BILBREY	027	046.01	1590	1846	10494 HWY 127N	CROSSVILLE	TN	38571	NO	YES
72A	MEDLEY JERRY W	027	046.04	1666	1002	HWY 127N	CROSSVILLE	TN	38571	NO	YES
72B	MEDLEY JERRY W	027	046.03	1667	453	10496	CROSSVILLE	TN	38571	NO	YES
73	SHARP GARY EUGENE ET AL	027	047.00	1088	1965	22 LELAND PRYOR ROAD	CROSSVILLE	TN	38571	NO	YES
74	SHARP BRENDA JOYCE	027	047.02	1258	1490	122 LELAND PRYOR ROAD	CROSSVILLE	TN	38571	NO	YES
75	FRANKLIN LOUIS E	027	046.00	1366	398	HWY 127N	CROSSVILLE	TN	38571	NO	YES
76	GOIN CLAUDIA	027	048.03	1616	1781	10589 HWY 127N	CROSSVILLE	TN	38571	NO	YES
77	FRANKLIN LOUIS E ET UX ELSIE M	027	045.00	1656	2445	10634 HWY 127N	CROSSVILLE	TN	38571	NO	YES
78	SATTERFIELD SONNY CHESTER	027	048.04	1500	1936	10647 HWY 127N	CROSSVILLE	TN	38571	NO	YES
79	DECK JOHN M ET UX BONITA S	027	044.01	1010	1915	10636 HWY 127N	CROSSVILLE	TN	38571	NO	YES
80	DECK JOHN MICHAEL	027	044.00	321	504	10670 HWY 127N	CROSSVILLE	TN	38571	NO	YES
81	BARRINGER GENE LE ET UX MARGIE	027	048.01	1345	790	15 CLEAR CREEK ROAD	CROSSVILLE	TN	38571	NO	YES
82	GOIN CLAUDIA	027	043.00	1106	1730	HWY 127N	CROSSVILLE	TN	38571	NO	YES
83	WEBB RONALD FRANK	027	049.01	467	411	HWY 127N	CROSSVILLE	TN	38571	NO	YES
84	JONES CHARLOTTE J	024	042.00	1518	762	10772 HWY 127N	CROSSVILLE	TN	38571	NO	YES
85	CONLEY ANJANETTE	027	049.02	1467	762	80 CLEAR CREK ROAD	CROSSVILLE	TN	38571	NO	YES
86	PEIPER LAWRENCE ET UX TERRY	027	041.00	1133	1156	470 COPPERHEAD LANE	CROSSVILLE	TN	38571	NO	YES
87	PEIPER LAWRENCE ET UX TERRY	027	038.00	1485	1519	HWY 127N	CROSSVILLE	TN	38571	NO	YES
88	REAGAN TWANA A	027	104.00	491	755	HWY 127N	CROSSVILLE	TN	38571	NO	YES
90	WRIGHT JERRY 3 & DIANE WRIGHT	024	037.01	1400	1850	10962 HWY 127N	CROSSVILLE	TN	38571	NO	YES
91	JUDD DAVID	027	037.00	1616	1903	11000 HWY 127N	CROSSVILLE	TN	38571	NO	YES
92	STOUT PALMA	018	067.00	1354	271	HWY 127N	CROSSVILLE	TN	38571	NO	NO
93	BRADY MURRELL THOMAS	027	035.00	1379	1526	HWY 127N	CROSSVILLE	TN	38571	NO	YES
94	HOWARD JAMES C ET UX EMMA J	027	034.00	1228	1990	30 HOLLOW DRIVE	CROSSVILLE	TN	38571	NO	YES
95	ATKINSON GROVER ET UX WANDA	027	033.00	55	435	72 HOLLOW DRIVE	CROSSVILLE	TN	38571	NO	YES
96	STOUT PALMA	018	067.00	1354	271	HWY 127N	CROSSVILLE	TN	38571	NO	YES
97	CASTLEN JOSHUA	027	031.00	1654	1428	11229 HWY 127N	CROSSVILLE	TN	38571	NO	YES
98	AVAIGEN INC.	027	030.01	1250	752	129 HOLLOW DRIVE	CROSSVILLE	TN	38571	NO	NO
99	HOWE JAMES ET US LILLIAN B	027	032.00	430	103	142 HOLLOW ROAD	CROSSVILLE	TN	38571	NO	YES
100	VICKERS PAUL	027	030.02	1180	1922	11282 HWY 127N	CROSSVILLE	TN	38571	NO	NO
101	BAUCUM WILLIAM 3 ET UX VICTORIA Y	027	030.03	1643	465	11284 HWY 127N	CROSSVILLE	TN	38571	NO	NO
102	SMITH RUSSELL ET US CAROL	018	077.03	1643	103	97 REGINA DRIVE	CROSSVILLE	TN	38571	NO	NO
103	CLARKSON DOUGLAS S ET UX ALEXANDRA	018	077.06	1220	864	HOLLOW DRIVE	CROSSVILLE	TN	38571	NO	YES
104	MILLER HOWARD D ET UX SHARON M	018	077.04	1217	1225	17 REGINA DRIVE	CROSSVILLE	TN	38571	NO	NO
105	PYLE RENEE & CHARLOTTE M JONES	018	077.01	1410	631	325 HOLLOW DRIVE	CROSSVILLE	TN	38571	NO	YES
106	REEDS JACK W ET UX SANDRA D	018	077.00	1596	1574	HWY 127N	CROSSVILLE	TN	38571	NO	NO
104	MILLER HOWARD D ET UX SHARON M	018	077.04	1217	1225	17 REGINA DRIVE	CROSSVILLE	TN	38571	NO	NO
105	PYLE RENEE & CHARLOTTE M JONES	018	077.01	1410	631	325 HOLLOW DRIVE	CROSSVILLE	TN	38571	NO	YES
106	REEDS JACK W ET UX SANDRA D	018	077.00	1596	1574	HWY 127N	CROSSVILLE	TN	38571	NO	NO
107	PHILLIPS BRETT ET UX CHELSEA	018	076.00	1512	716	242 HOLLOW DRIVE	CROSSVILLE	TN	38571	NO	YES
108							CROSSVILLE	TN	38571	NO	
109	TRANTANELLA GREG P ET UX TERI A	018	076.01	1613	253	HOLLOW LANE	CROSSVILLE	TN	38571	NO	YES
110	BRADY MURRELL THOMAS	018	079.0	508	510	11734 HWY 127N	CROSSVILLE	TN	38571	NO	YES

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-3B
		100260.03	

NOTE: IF THE PROPOSED ROAD GRADING HAS BEEN COMPLETED TO SUB GRADE, ELEVATIONS OF PIPE INSTALLATION SHALL BE MIN. DEPTH AS DICTATED BY THE FLOW LINE ELEVATIONS FOR THE PROPOSED ROAD DITCHES, DRIVEWAY DITCHES, AND DRAINAGE STRUCTURES.

REV: 3-02-26: AS PER TDOT

NOTE: SIDE CASTINGS FROM TRENCH EXCAVATION ARE TO BE KEPT ON THE RIGHT OF WAY, NO EASEMENTS TO BE ACQUIRED FOR SIDE CASTINGS.

REV: 3-25-26: TDOT R/W & PIPE CHANGES

SEALED BY

AARON SCHALLER
REGISTERED ENGINEER
AGRICULTURE
ENGINEER
No. 124598
STATE OF TENNESSEE
03/23/2026

HUSSEY GAY BELL
Established 1958
4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF
CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

WATER RELOCATION

EASEMENTS & GROUTING/REMOVAL

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

111							CROSSVILLE	TN	38571	NO	
112	ISHAM REUEL T JR ET UX JUDY K	018	070.00	1343	968	11747 HWY 127N	CROSSVILLE	TN	38571	NO	NO
113	ENGLAND RAY ET UX JOYCE	018	071.00	171	85	11888 HWY 127N	CROSSVILLE	TN	38571	NO	
114	WEAVER JOHN F LEE ET UX CYNTHIA MICHELLE LE	018	070.01	1450	2068	11837 HWY 127N	CROSSVILLE	TN	38571	NO	YES
115							CROSSVILLE	TN	38571	`	
116	SHARP ANGIE F	018	070.03	1390	782	11877 HWY 127N	CROSSVILLE	TN	38571	NO	YES
117	TRUDELLE JACQUELINE M & PAUL NEWTON	018	070.02	1633	258	11891 HWY 127N	CROSSVILLE	TN	38571	NO	YES
118	ENGLAND RAY ET UX JOYCE	018	071	171	85	11888 HWY 127N	CROSSVILLE	TN	38571	NO	YES
119	MATHEWS EVA L	018	069.02	454	166	11941 HWY 127N	CROSSVILLE	TN	38571	NO	YES
120	BRADY DONALD L. ET UX DONNA K.	018	069.00	1378	2036	11978 HWY 127N	CROSSVILLE	TN	38571	NO	YES
121	ALLRED COURTNEY GRACE	018	069.03	1618	1960	11983 HWY 127N	CROSSVILLE	TN	38571	NO	YES
122	MENDEZ ENRIQUE J ET UX JOSEFINA GONZOLEZ	018	034.03	1489	1755	HWY 127N	CROSSVILLE	TN	38571	NO	YES
123	CAREY LYNN	018	034.01	1592	2137	12168 HWY 127N	CROSSVILLE	TN	38571	NO	YES
124	MENDEZ ENRIQUE J ET UX JOSEFINA GONZOLEZ	018	034.04	1654	2380	HWY 127N	CROSSVILLE	TN	38571	NO	YES
125	BROWN BENNIE A. ET UX GINGER	018	034.12	1538	1370	12145 HWY 127N	CROSSVILLE	TN	38571	NO	YES
126	RINNIE VOLUNTEER FIRE DEPARTMENT	018	034.02	397	319	56 HOLLOW LANE	CROSSVILLE	TN	38571	NO	YES
127	BROWN MARGIE LE REM BENNIE II BROWN	018	025.00	1642	757	12351 HEY 127N	CROSSVILLE	TN	38571	NO	YES
128	MCNABB A OAKLEY	018LA	002.00	1661	1257	CATOOSA RIDGE DRIVE	CROSSVILLE	TN	38571	NO	YES
129	BROWN MARGIE LE REM BENNIE II BROWN	018	025.00			12351 HWY 127N					

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-3C
		100260.03	

NOTE: IF THE PROPOSED ROAD GRADING HAS BEEN COMPLETED TO SUB GRADE, ELEVATIONS OF PIPE INSTALLATION SHALL BE MIN. DEPTH AS DICTATED BY THE FLOW LINE ELEVATIONS FOR THE PROPOSED ROAD DITCHES, DRIVEWAY DITCHES, AND DRAINAGE STRUCTURES.

REV: 3-02-26: AS PER TDOT

NOTE: SIDE CASTINGS FROM PIPE CHANGES

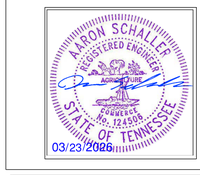
REV: 3-25-26: TDOT R/W & TRENCH EXCAVATION ARE TO BE KEPT ON THE RIGHT OF WAY, NO EASEMENTS TO BE ACQUIRED FOR SIDE CASTINGS.

Pin # 100260.03 - GROUTING/REMOVAL

Approx. Sta or Road Name	Description	Remove (LF)	Grout In Place (LF)
Sta 1299+55 - Mayfair Dr	2" Ex. WL to be removed by road excavation	N|A	N|A
Sta 1299+55-1316+55 (Left)	Proposed driveways, excavation will remove Ex. 6" WL	N|A	N|A
Sta 1318+50-1326+500	Ex. 6" to retire, under prop road or inside slope. Approx. 3'-12' of cover to be added on top of ex. 6" WL.	750	
Sta 241+25 Goss Road	6" Ex. WL to be removed by road excavation - (side road)	N|A	N|A
Sta 300+25 - 305+00 Old SR 28	6" Ex. WL to be removed by road excavation - (side road) inside cut slope.	Road Excavation	
Sta 1342+50 - 1347+00	6" Ex. WL to be removed by road excavation - under proposed road and inside side slope.	Road Excavation	
Sta 1433+00 - 1434+50	6" Ex. WL to be removed by road excavation - under proposed road inside side slope, and Catoosa Ridge Dr new right of way.	Road Excavation	

WATERLINE GROUTING AND REMOVAL NOTES:
1. TDOT AND/OR CITY PERSONNEL SHALL CONFIRM THE LENGTH OF WATERLINE TO BE REMOVAL PRIOR TO THE PIPE BEING REMOVED
2. CONTRACTOR TO REMOVE EXISTING WATER LINES FROM AREAS
   - UNDER THE PROPOSED ROAD
   - LESS THAN FIVE FEET IN DEPTH FROM FINISHED GRADE ELEVATION
   - INTERFERES WITH EXCAVATION OF SIDE SLOPE AND/OR DITCHES FOR PROPOSED ROAD
3. WATERLINES THAT ARE, OR WILL BE MORE THAT FIVE FEET BELOW FINISHED GRADE OF THE NEW ROAD SHALL BE RETIRED IN PLACE

SEALED BY



HUSSEY GAY BELL
Established 1958
4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF
CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

WATER RELOCATION

EASEMENTS & GROUTING/REMOVAL

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

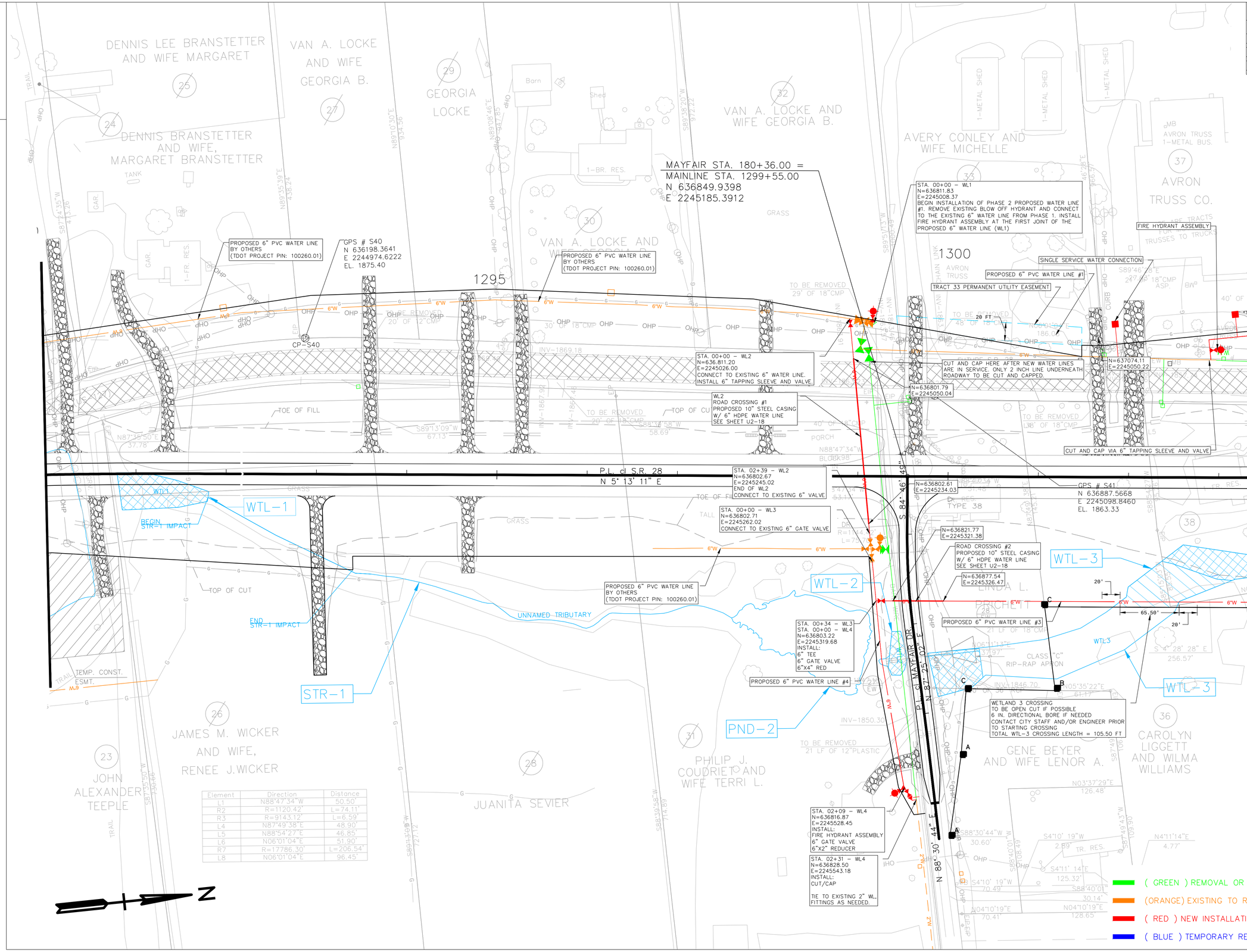
TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-4
		100260.03	

NOTE: IF THE PROPOSED ROAD GRADING HAS BEEN COMPLETED TO SUB GRADE, ELEVATIONS OF PIPE INSTALLATION SHALL BE MIN. DEPTH AS DICTATED BY THE FLOW LINE ELEVATIONS FOR THE PROPOSED ROAD DITCHES, DRIVEWAY DITCHES, AND DRAINAGE STRUCTURES.

REV: 3-02-26: AS PER TDOT

REV: 3-23-26: TDOT R/W & PIPE CHANGES

NOTE: SIDE CASTINGS FROM TRENCH EXCAVATION ARE TO BE KEPT ON THE RIGHT OF WAY, NO EASEMENTS TO BE ACQUIRED FOR SIDE CASTINGS.



Element	Direction	Distance
L1	N88°47'34"W	50.50'
R2	R=1120.42'	L=74.11'
R3	R=9143.12'	L=6.59'
L4	N87°49'38"E	48.90'
L5	N88°54'27"E	46.85'
L6	N06°01'04"E	51.90'
R7	R=17786.30'	L=206.54'
L8	N06°01'04"E	96.45'

(GREEN) REMOVAL OR RETIRED
(ORANGE) EXISTING TO REMAIN
(RED) NEW INSTALLATION
(BLUE) TEMPORARY RELOCATION

SEALED BY

AARON SCHALLER
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AGRICULTURE
COMMERCE
No. 124506
STATE OF TENNESSEE
03/23/2026

HUSSEY GAY BELL
Established 1958
4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF CROSSVILLE, TENNESSEE

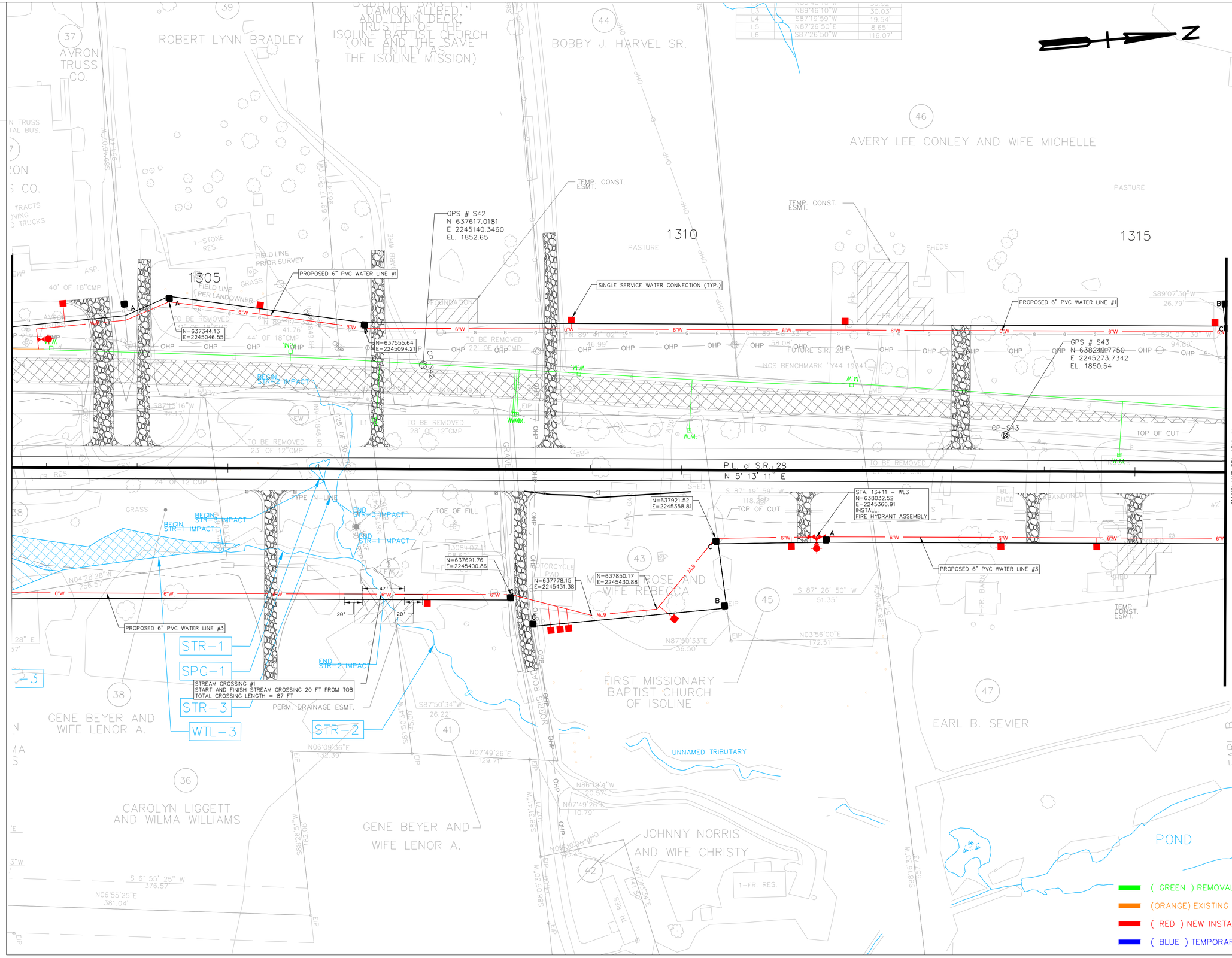
TDOT PIN 100260.03

WATER RELOCATION

STA. 1290+00 TO STA. 1303+00

SCALE: 1" = 50'

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



TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-5
		100260.03	

NOTE: IF THE PROPOSED ROAD GRADING HAS BEEN COMPLETED TO SUB GRADE, ELEVATIONS OF PIPE INSTALLATION SHALL BE MIN. DEPTH AS DICTATED BY THE FLOW LINE ELEVATIONS FOR THE PROPOSED ROAD DITCHES, DRIVEWAY DITCHES, AND DRAINAGE STRUCTURES.

REV: 3-02-26: AS PER TDOT

REV: 3-23-26: TDOT R/W & PIPE CHANGES

NOTE: SIDE CASTINGS FROM TRENCH EXCAVATION ARE TO BE KEPT ON THE RIGHT OF WAY, NO EASEMENTS TO BE ACQUIRED FOR SIDE CASTINGS.

SEALED BY

AARON SCHALLER
REGISTERED ENGINEER
AGRICULTURE
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No. 124506
STATE OF TENNESSEE
03/23/2026

HUSSEY GAY BELL
Established 1958
4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF CROSSVILLE, TENNESSEE

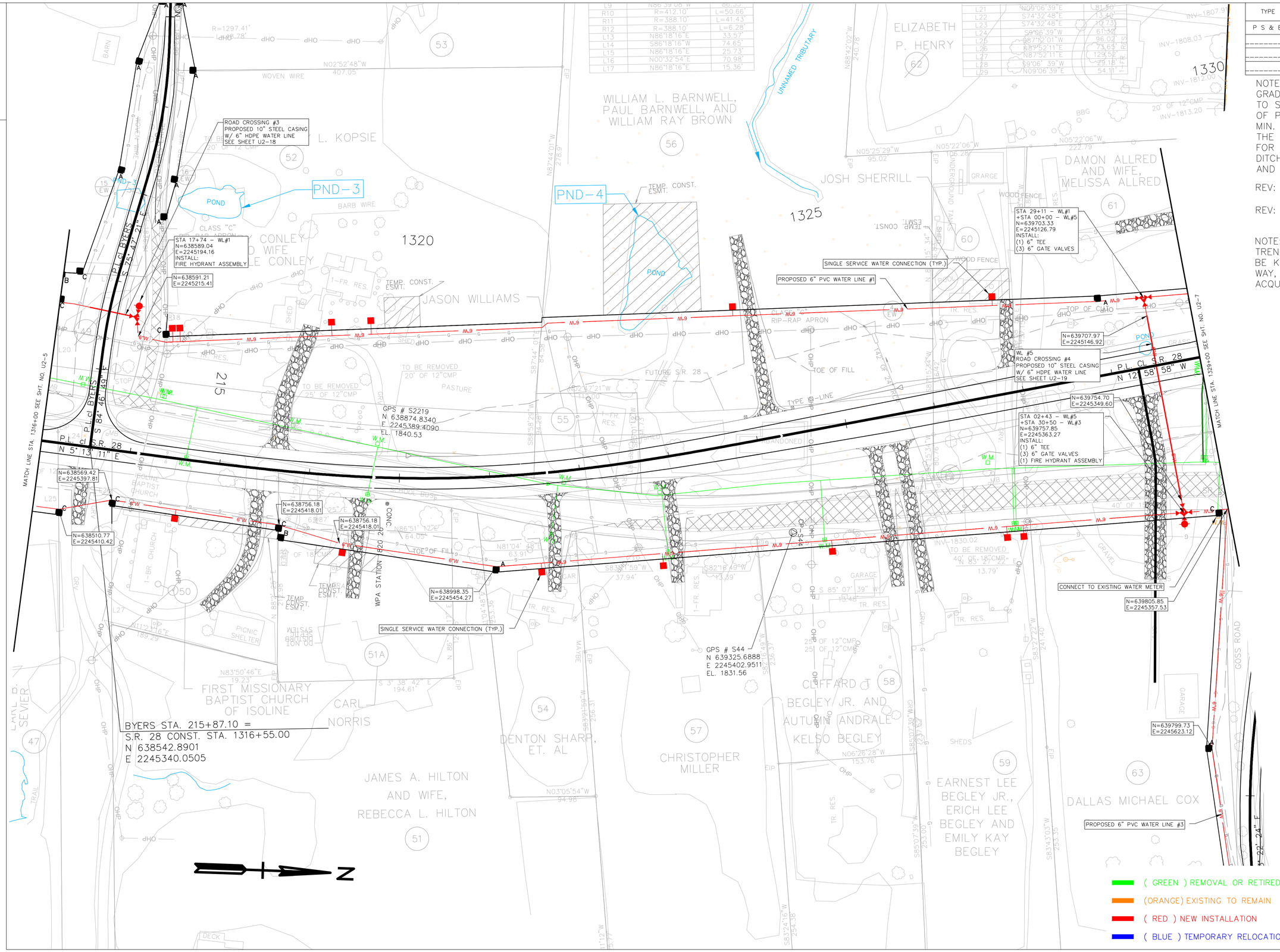
TDOT PIN 100260.03

WATER RELOCATION

STA. 1303+00 TO STA. 1316+00

SCALE: 1" = 50'

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



TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-6
		100260.03	

NOTE: IF THE PROPOSED ROAD GRADING HAS BEEN COMPLETED TO SUB GRADE, ELEVATIONS OF PIPE INSTALLATION SHALL BE MIN. DEPTH AS DICTATED BY THE FLOW LINE ELEVATIONS FOR THE PROPOSED ROAD DITCHES, DRIVEWAY DITCHES, AND DRAINAGE STRUCTURES.

REV: 3-02-26: AS PER TDOT

REV: 3-23-26: TDOT R/W & PIPE CHANGES

NOTE: SIDE CASTINGS FROM TRENCH EXCAVATION ARE TO BE KEPT ON THE RIGHT OF WAY, NO EASEMENTS TO BE ACQUIRED FOR SIDE CASTINGS.

SEALED BY

AARON SCHALLER
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AGRICULTURE
COMMERCE
No. 124508
STATE OF TENNESSEE
03/23/2026

HUSSEY GAY BELL
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4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

WATER RELOCATION

STA. 1316+00 TO STA. 1329+00

SCALE: 1" = 50'

(GREEN) REMOVAL OR RETIRED
(ORANGE) EXISTING TO REMAIN
(RED) NEW INSTALLATION
(BLUE) TEMPORARY RELOCATION

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-7
		100260.03	

NOTE: IF THE PROPOSED ROAD GRADING HAS BEEN COMPLETED TO SUB GRADE, ELEVATIONS OF PIPE INSTALLATION SHALL BE MIN. DEPTH AS DICTATED BY THE FLOW LINE ELEVATIONS FOR THE PROPOSED ROAD DITCHES, DRIVEWAY DITCHES, AND DRAINAGE STRUCTURES.

REV: 3-02-26: AS PER TDOT

REV: 3-23-26: TDOT R/W & PIPE CHANGES

NOTE: SIDE CASTINGS FROM TRENCH EXCAVATION ARE TO BE KEPT ON THE RIGHT OF WAY, NO EASEMENTS TO BE ACQUIRED FOR SIDE CASTINGS.

Element	Direction	Distance
L1	N88°27'30"W	24.35'
L2	N88°27'30"W	7.99'
L3	N88°27'30"W	26.79'
L4	N88°27'30"W	337.04'
R5	R=4051.69'	L=213.90'
R6	R=4021.69'	L=212.32'
L7	S83°22'24"W	46.80'
L8	N80°51'34"E	10.13'
L9	N80°51'34"E	183.88'
R10	R=1653.27'	L=163.53'
R11	R=1653.27'	L=103.90'
L12	N10°11'19"E	44.32'

STA 00+29 – WL#6A
N=639782.80
E=2244970.57
CONNECT TO EXISTING 2" WATER LINE
INSTALL:
6" TAPPING SLEEVE AND VALVE
6" CUT & CAP
FIRE HYDRANT ASSEMBLY

RECTOR STA. 233+63.78 =
S.R. 28 CONST. STA. 1329+51.00
N 639818.9754
E 2245178.8082

GPS # S103
N 639797.3162
E 2244764.5593
EL. 1805.35

STA 01+10 – WL#6
N=639787.43
E=2244979.51
CONNECT TO EXISTING 6" WATER LINE
INSTALL:
6" TAPPING SLEEVE AND VALVE
6" CUT & CAP

STA 00+00 – WL#6A
+ STA. 00+95 – WL#6
N=639780.04
E=2244991.62
INSTALL:
6" TEE

N=639762.66
E=2245020.12

SINGLE SERVICE WATER CONNECTION

ROAD CROSSING #5
PROPOSED 10" STEEL CASING
W/ 6" HDPE WATER LINE
SEE SHEET U2-18

STA 30+20 – WL#1
+STA 00+00 – WL#6
N=639770.48
E=2245081.59
INSTALL:
6" TEE
(2) 6" GATE VALVES

N=639775.08
E=2245117.72

N=639817.15
E=2245074.14

N=639777.65
E=2245080.44

MATCH LINE STA. 1329+00 SEE SHT. NO. U2-6

P.I. CL GOSS E
N 77° 01' 02" E

P.I. CL RECTOR
S 88° 40' 13" E

N=640122.98
E=2245005.43

TOP OF PIPE EL 1813.50' MAX IN CUT AREA

PND-5

WTL-3A

TEMP. CONST. ESMT.

STREAM CROSSING #2
START AND FINISH STREAM CROSSING 20 FT. FROM TOB
TOTAL CROSSING LENGTH = 54 FT

BEGIN STR-4 IMPACT

N=640572.58
E=2244918.28

N=640572.58
E=2244918.28

TOP OF CUT

PROPOSED 6" PVC WATER LINE #1

N=641009.08
E=2244725.32

N=641015.88
E=2244760.74

MAINLINE STA. 339+48.53 =
STR-4 STA. 2+88.10

STA 43+12 – WL#1
N=641008.11
E=2244762.43
INSTALL:
6" GATE VALVE

1-METAL BARN

P.I. CL S.R. 28
N 12° 58' 58" W

MATCH LINE STA. 1342+00 SEE SHT. NO. U2-8

GOSS STA. 240+00.00 =
S.R. 28 CONST. cl STA. 1329+51.00
N 639818.9754
E 2245178.8082

GPS # S45
N 639846.8912
E 2245313.2869
EL. 1839.19

GPS # S46
N 640209.7127
E 2245356.2320
EL. 1827.08

TO BE REMOVED
44' OF 12"RCP

P.I. CL GOSS E
N 77° 01' 02" E

STR-4

END STR-4 IMPACT

ROAD CROSSING #7
PROPOSED 10" STEEL CASING
W/ 6" HDPE WATER LINE
SEE SHEET U2-19

STA 37+64 – WL#3A
N=640387.09
E=2245371.43
CONNECT TO EXISTING 6" WL
INSTALL:
BLOW OFF VALVE ASSEMBLY
6" TAPPING SLEEVE & VALVE
6" CUT & CAP

N 640602.1518
E 2245371.43
EL. 1798.54

SINGLE SERVICE WATER CONNECTION

N=639910.35
E=2245456.49

PROPOSED 6" PVC WATER LINE #3

N=640197.29
E=2245426.53

SINGLE SERVICE WATER CONNECTION

TEMP. CONST. ESMT.

TOP OF PIPE EL. 1825.50' MAX IN CUT AREA

STA 43+54 – WL#3
N=640384.33
E=2245426.28
INSTALL:
(1) 6" TEE
(2) 6" GATE VALVES

N=640479.06
E=2245426.58

N=640492.52
E=2245446.28

N=640508.85
E=2245493.36

STA 45+82 – WL#3
N=640518.03
E=2245548.09
INSTALL:
6" X 6" TEE
6" X 2" REDUCER
FIRE HYDRANT ASSEMBLY

STA 45+95 – WL#3
N=640518.69
E=2245559.75
INSTALL:
CUT/CAP

TIE TO EXISTING 2" WL, FITTINGS AS NEEDED

TEMP. CONST. ESMT.

N=639775.08
E=2245117.72

ROAD CROSSING #6
PROPOSED 10" STEEL CASING
W/ 6" HDPE WATER LINE
SEE SHEET U2-18

N=639868.58
E=2245766.71

STA 35+60 – WL#3
N=639899.40
E=2245454.08
INSTALL:
6" GATE VALVE

N=639835.80
E=2245770.56

OLD S.R. 28 SOUTH STA. 300+00.00 =
GOSS STA. 242+05.00
N 639858.3600
E 2245379.7285

P.I. CL OLD S.R. 28
N 8° 25' 13" E

N 31° 02' 05" W

N 3° 38' 36" W

S 85° 05' 52" E

N 83° 22' 24" E

GOSS ROAD

JEANINE L. WEST POTTER

CLAUDIA H. GOIN

M.C. DECK JR. AND WIFE, ANNA RUTH DECK

THE GLORIA SMITH REVOCABLE LIVING TRUST

LARRY R. WEST

DAMON ALLRED AND WIFE, MELISSA ALLRED

JASON S. SHARP

(GREEN) REMOVAL OR RETIRED

(ORANGE) EXISTING TO REMAIN

(RED) NEW INSTALLATION

(BLUE) TEMPORARY RELOCATION

SEALED BY

AARON SCHALLER
REGISTERED ENGINEER
No. 124596
STATE OF TENNESSEE
03/23/2026

HUSSEY GAY BELL
Established 1958
4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 | 615.460.7515

THE CITY OF
CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

WATER RELOCATION

STA. 1329+00 TO STA. 1342+00

SCALE: 1" = 50'

TENNESSEE D.O.T.

DESIGN DIVISION

FILE NO. ---

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-8
		100260.03	

NOTE: IF THE PROPOSED ROAD GRADING HAS BEEN COMPLETED TO SUB GRADE, ELEVATIONS OF PIPE INSTALLATION SHALL BE MIN. DEPTH AS DICTATED BY THE FLOW LINE ELEVATIONS FOR THE PROPOSED ROAD DITCHES, DRIVEWAY DITCHES, AND DRAINAGE STRUCTURES.

REV: 3-02-26: AS PER TDOT

REV: 3-23-26: TDOT R/W & PIPE CHANGES

NOTE: SIDE CASTINGS FROM TRENCH EXCAVATION ARE TO BE KEPT ON THE RIGHT OF WAY, NO EASEMENTS TO BE ACQUIRED FOR SIDE CASTINGS.

N 6424
E 2244
EL. 183

ROAD CROSSING #8
PROPOSED 10" STEEL CASING
W/ 6" HDPE WATER LINE
SEE SHEET U2-19

STA 47+50 - WL#1
N=641082.12
E=2244416.80
CONNECT TO EXISTING 4" WL
INSTALL:
FIRE HYDRANT ASSEMBLY
4" TAPPING SLEEVE & VALVE
4" CUT & CAP

N=641033.32
E=2244416.34

N=641050.12
E=2244415.58

N=641080.04
E=2244414.18

N=641119.83
E=2244513.46

PROPOSED 6" PVC WATER LINE #1

GPS # S104
N 641055.7622
E 2244644.0241
EL. 1811.52

N=641042.01
E=2244565.16

P.I. CL PRYOR
N 46° 11' 38" E

N=641269.89
E=2244639.47

N=641325.73
E=2244736.94

STREAM CROSSING #3
TOTAL CROSSING LENGTH = 53 FT

TEMP. CONST. ESMT.

WWC-1/UDF-1

STA 00+00 - WL#7
N=641148.12
E=2244983.67
CONNECT TO EXISTING 6" WL
INSTALL:
6" TAPPING SLEEVE & VALVE
6" CUT & CAP
BLOW OFF ASSEMBLY

EXISTING WATERLINE TO BE PROTECTED DURING CONSTRUCTION UNDER ROADWAY. (EG. STEEL PLATING, EXTRA GRANULAR COVER)

GPS # S49
N 641912.1519
E 2244786.4307
EL. 1816.26

TOP OF PIPE MAX EL. 1803.00' IN CUT AREA

N=641862.77
E=224476727

STA 61+51 - WL#1
+ STA. 00+00 - WL#8
N=642318.25
E=2244764.69
INSTALL:
(1) 6" TEE
(3) 6" GATE VALVES
(1) FIRE HYDRANT ASSEMBLY

TRACTS 78 & 81 PERMANENT UTILITY EASEMENT

Element	Direction	Distance
L1	N02°30'19"W	359.76'
L2	N2°30'19"W	22.44'
L3	N84°39'47"W	138.15'
R4	R=994.14'	L=15.71'
L5	S87°21'19"E	58.42'
L6	N84°33'47"W	142.44'
L7	N78°40'32"W	48.79'
L8	N45°22'53"E	72.01'
L9	N45°22'53"E	94.30'
L10	N30°55'32"W	62.55'
L11	N46°22'53"E	22.29'
R12	R=139.04'	L=25.79'
R13	R=[illegible]	[illegible]
L14	N58°[illegible]	[illegible]
L15	N56°[illegible]	[illegible]
L16	N35°[illegible]	[illegible]

P.I. CL S.R. 28
N 0° 55' 36" W

MATCH LINE STA. 1342+00 SEE SHT. NO. U2-7

MATCH LINE STA. 1355+00 SEE SHT. NO. U2-9

N=641117.44
E=2245030.02

ROAD CROSSING #18
PROPOSED 10" STEEL CASING
W 6" HDPE WATER LINE
SEE SHEET U2-23

N=641140.74
E=2245067.35

N=641151.99
E=2245085.37

WTL-4

STR-5

BEGIN STR-5 IMPACT

END STR-5 IMPACT

GPS # S48
N 641193.3944
E 2245035.1752
EL. 1793.70

TOP OF PIPE MAX EL. 1806.50' IN CUT AREA

TOP OF PIPE MAX EL. 1807.50' IN CUT AREA

TOP OF PIPE MAX EL. 1808.00' IN CUT AREA

TOP OF PIPE MAX EL. 1814.50' IN CUT AREA

PROPOSED 6" PVC WATER LINE #7

SINGLE SERVICE WATER CONNECTION (TYP.)

ROAD CROSSING #9
PROPOSED 10" STEEL CASING
W/ 6" HDPE WATER LINE
SEE SHEET U2-20

TOP OF CUT
CLEARCREEK STA. 278+84.79
S.R. 28 CONST. CL STA. 1355+
N 642417.6422
E 2244888.5095

STA 02+92 - WL#8
+ STA. 12+62 - WL#7
N=642325.50
E=2245056.54
INSTALL:
(1) 6" TEE
(3) 6" GATE VALVES

STA 00+87 - WL#7
CONNECT TO EXISTING ¾" WATER METER

LELAND PRYOR STA. 265+56.01 =
S.R. 28 CONST. CL STA. 1344+33.00
N 641271.2678
E 2244893.7124

WETLAND 4 CROSSING
TO BE OPEN CUT IF POSSIBLE
6 IN. DIRECTIONAL BORE IF NEEDED
CONTACT CITY STAFF AND/OR ENGINEER
PRIOR TO STARTING CROSSING
TOTAL WTL-4 CROSSING LENGTH = 109 FT

(GREEN) REMOVAL OR RETIRED

(ORANGE) EXISTING TO REMAIN

(RED) NEW INSTALLATION

(BLUE) TEMPORARY RELOCATION

SEALED BY

AARON SCHALLER
REGISTERED ENGINEER
AGENT OF RECORD
ENGINEER
No. 124598
STATE OF TENNESSEE
03/23/2026

HUSSEY GAY BELL
Established 1958
4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF
CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

WATER RELOCATION

STA. 1342+00 TO STA. 1355+00

SCALE: 1" = 50'

TENNESSEE D.O.T.

DESIGN DIVISION

FILE NO. ---

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-9
		100260.03	

NOTE: IF THE PROPOSED ROAD GRADING HAS BEEN COMPLETED TO SUB GRADE, ELEVATIONS OF PIPE INSTALLATION SHALL BE MIN. DEPTH AS DICTATED BY THE FLOW LINE ELEVATIONS FOR THE PROPOSED ROAD DITCHES, DRIVEWAY DITCHES, AND DRAINAGE STRUCTURES.

REV: 3-02-26: AS PER TDOT

REV: 3-23-26: TDOT R/W & PIPE CHANGES

NOTE: SIDE CASTINGS FROM TRENCH EXCAVATION ARE TO BE KEPT ON THE RIGHT OF WAY, NO EASEMENTS TO BE ACQUIRED FOR SIDE CASTINGS.

COORDINATE WITH MTNG TO INSTALL BOTH LINES AT THE SAME TIME ACROSS THE DRIVEWAY FOR TRACT 88.

STA 02+17 - WL#10
N=642466.67
E=2244551.99
CONNECT TO EXISTING 4" WL
INSTALL:
4" TAPPING SLEEVE & VALVE
4" CUT & CAP

STA 02+02 - WL#10
N=642475.61
E=2244563.44
INSTALL:
BLOW OFF VALVE ASSEMBLY

ROAD CROSSING #10
PROPOSED 10" STEEL CASING
W/ 6" HDPE WATER LINE
SEE SHEET U2-21

PROPOSED 6" PVC WATER LINE #1

TOP OF PIPE MAX EL. 1827.50' IN CUT AREA

PROPOSED 6" PVC WATER LINE #10

N=642477.59
E=2244707.11

STA 63+05 - WL#1
+ STA 00+00 - WL#9
N=642471.67
E=2244765.40
INSTALL:
4" X 6" TEE
4" GATE VALVE

STA 63+22 - WL#1
N=642487.78
E=2244768.22
CONNECT TO EXISTING 6" WL
INSTALL:
6" TAPPING SLEEVE & VALVE
6" CUT & CAP

STA 12+70 - WL#7
N=642333.28
E=2245056.35
INSTALL:
6" TEE
(2) 6" GATE VALVES
FIRE HYDRANT ASSEMBLY

TOP OF PIPE MAX EL. 1803.50' IN CUT AREA

STREAM CROSSING #4
BEGIN CROSSING 20 FT FROM TOB
END CROSSING 15 FT FROM TOB, BEFORE TURN
TOTAL CROSSING LENGTH = 60 FT

N=642560.35
E=2245139.49

STA 00+48 - WL#11
N=643560.08
E=2244752.86
CONNECT TO EXISTING 6" WL
INSTALL:
6" TAPPING SLEEVE AND VALVE
6" CUT & CAP

40" OF 10" PVC CASING TO BE USED UNDER DRIVEWAY.

WATER AND GAS TO LAY 9' TO 10' BELOW GRADE UNDER DRIVEWAY.

CONTRACTOR TO COORDINATE WITH MTNG TO INSTALL BOTH LINES AT THE SAME TIME UNDER DRIVEWAY.

STA 00+00 - WL#11
N=643513.10
E=2244754.43
CONNECT TO EXISTING 6" WL
INSTALL:
6" TAPPING SLEEVE AND VALVE
6" CUT & CAP
6" TEST PORT

TOP OF PIPE MAX EL. 1833.50' IN CUT AREA

PROPOSED 6" PVC WATER LINE #11

PROPOSED 6" PVC WATER LINE #7

SINGLE SERVICE WATER CONNECTION (TYP.)

WTL-6

WTL-5

STR-6

END STR-6 IMPACT

BEGIN STR-6 IMPACT

UNNAMED TRIBUTARY

CLEARCREEK STA. 278+84.79 =
SR. 28 CONST. CL STA. 1355+80.00
N 642417.6422
E 2244888.5095

MATCH LINE STA. 1355+00 SEE SHT. NO. U2-8

MATCH LINE STA. 1367+50 SEE SHT. NO. U2-10

Element	Direction	Distance
L1	N88°37'46"W	78.56'
L2	N87°21'19"W	25.64'
L3	N88°00'52"W	64.50'
L4	S1°49'06"E	19.82'
L5	N78°41'56"E	71.40'
R6	R=16191.75'	L=43.59'
R7	R=16241.75'	L=44.36'
L8	N86°52'22"W	84.37'
L9	N85°26'30"W	122.14'
L10	N85°26'30"W	2.17'

(GREEN) REMOVAL OR RETIRED

(ORANGE) EXISTING TO REMAIN

(RED) NEW INSTALLATION

(BLUE) TEMPORARY RELOCATION

SEALED BY

AARON SCHALLER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 124598
STATE OF TENNESSEE
03/23/2026

HUSSEY GAY BELL
Established 1958
4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF
CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

WATER RELOCATION

STA. 1355+00 TO STA. 1367+50

SCALE: 1" = 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-10
		100260.03	

NOTE: IF THE PROPOSED ROAD GRADING HAS BEEN COMPLETED TO SUB GRADE, ELEVATIONS OF PIPE INSTALLATION SHALL BE MIN. DEPTH AS DICTATED BY THE FLOW LINE ELEVATIONS FOR THE PROPOSED ROAD DITCHES, DRIVEWAY DITCHES, AND DRAINAGE STRUCTURES.

REV: 3-02-26: AS PER TDOT

REV: 3-23-26: TDOT R/W & PIPE CHANGES

(GREEN) REMOVAL OR RETIRED

(ORANGE) EXISTING TO REMAIN

(RED) NEW INSTALLATION

(BLUE) TEMPORARY RELOCATION

NOTE: SIDE CASTINGS FROM TRENCH EXCAVATION ARE TO BE KEPT ON THE RIGHT OF WAY, NO EASEMENTS TO BE ACQUIRED FOR SIDE CASTINGS.

Element	Direction	Distance
L1	N84°42'50"E	40.69'
L2	S89°10'45"W	66.61'
L3	N89°45'51"W	104.52'
L4	N88°42'29"W	89.68'
L5	S89°10'45"E	109.72'
L6	N89°45'51"W	105.26'
L7	N88°42'27"W	89.86'

CONLEY STA. 290+36.03 =
S.R. 28 CONST. CL STA. 1375+46.00
N 644378.0352
E 2244868.7341

GPS # S51
N 643601.9306
E 2244751.4537
EL. 1841.42

GPS # S52
N 644142.0043
E 2244791.2837
EL. 1829.02

GPS # S53
N 644743.3716
E 2244614.9415
EL. 1816.33

STA 00+00 - WL#13
N=644689.09
E=2244564.93
CONNECT TO EXISTING 6" WL
INSTALL:
FIRE HYDRANT ASSEMBLY
6" TAPPING SLEEVE & VALVE

STR-7

WL#10
ROAD CROSSING #12
PROPOSED 10" STEEL CASING
W/ 6" HDPE WATER LINE
SEE SHEET U2-20

N=644412.90
E=2245081.58

STA 33+43 - WL#7
N=644352.85
E=2244961.07
INSTALL:
(2) 6" GATE VALVES

N=644435.18
E=2244966.39

STA 39+72 - WL#7
STA 03+11 - WL#10
N=644769.11
E=2244865.32
INSTALL:
FIRE HYDRANT ASSEMBLY
6" TEE
(3) 6" GATE VALVES

N=644010.66
E=2245002.02

PROPOSED 6" PVC WATER LINE #7

TOE OF FILL

SINGLE SERVICE WATER CONNECTION (TYP.)

TOP OF PIPE MAX EL. 1821.50' IN CUT AREA

TOP OF PIPE MAX EL. 1808.50' IN CUT AREA

STA 34+66 - WL#7
N=644377.84
E=2245080.88
CONNECT TO EXISTING 2" WL
INSTALL:
BLOW OFF ASSEMBLY
4" X 2" REDUCER
4" TAPPING SLEEVE & VALVE
2" CUT & CAP

N=644382.90
E=2245080.92

ROAD CROSSING #11
PROPOSED 10" STEEL CASING
W/ 6" HDPE WATER LINE
SEE SHEET U2-20

MATCH LINE STA. 1367+50 SEE SHT. NO. U2-9

MATCH LINE STA. 1380+50 SEE SHT. NO. U2-11

PALMA STOUT 92

PALMA STOUT 96

JOSHUA CASTLEN 97

DAVID JUDD OR DEBORAH MARIE SMITH 91

MURRELL THOMAS BRADY 93

JAMES C. HOWARD AND WIFE EMMA J. 94

GROVER ATKINSON AND WIFE WANDA 95

JAMES HOWE AND WIFE LILLIAN B. 99

POND

SEALED BY

AARON SCHALLER REGISTERED ENGINEER AGRICULTURE & ENVIRONMENT No. 124598 STATE OF TENNESSEE 03/23/2026

HUSSEY GAY BELL
Established 1958
4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF
CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

WATER RELOCATION

STA. 1367+50 TO STA. 1380+50

SCALE: 1" = 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-11
		100260.03	

NOTE: IF THE PROPOSED ROAD GRADING HAS BEEN COMPLETED TO SUB GRADE, ELEVATIONS OF PIPE INSTALLATION SHALL BE MIN. DEPTH AS DICTATED BY THE FLOW LINE ELEVATIONS FOR THE PROPOSED ROAD DITCHES, DRIVEWAY DITCHES, AND DRAINAGE STRUCTURES.

REV: 3-02-26: AS PER TDOT

REV: 3-23-26: TDOT R/W & PIPE CHANGES

NOTE: SIDE CASTINGS FROM TRENCH EXCAVATION ARE TO BE KEPT ON THE RIGHT OF WAY, NO EASEMENTS TO BE ACQUIRED FOR SIDE CASTINGS.

GPS # S54
N 645125.6510
E 2244315.3922
EL. 1825.29

GPS # S55
N 645446.6763
E 2244097.3586
EL. 1829.51

6" PVC MAX TOP ELEVATION 1812.00 BETWEEN SLOPE LINES

(4) 2" CAPS

TEMP. CONST. ESMT.

INSTALL 1- 6" TAPPING SLEEVE AND VALVE, INSTALL 2- 45 BENDS FOR HORIZONTAL AND VERTICAL ALIGNMENT

INSTALL 1- 6" TAPPING SLEEVE AND VALVE, INSTALL 2- 45 BENDS FOR HORIZONTAL AND VERTICAL ALIGNMENT

SLOPE LINES

BEGIN STR-7 IMPACT

END STR-7 IMPACT

STR-7

WTL-7

WTL-8

PND-6

POND

UNNAMED TRIBUTARY

MARSON O. ROBERSON AND WIFE WANDA FAYE (131)

JOSHUA CASTLEN (97)

RUSSELL SMITH AND WIFE CAROL SMITH (102)

JACK W. REEDS AND SANDRA D. REEDS, HUSBAND AND WIFE (106)

1390

1385

PAUL VICKERS (100)

WILLIAM E. BAUCUM FUTURE S/R AND WIFE VICTORIA Y. BAUCUM (101)

HOWARD D. MILLER AND WIFE SHARON M. (104)

AVIAGEN INC. (98)

DOUGLAS S. CLARKSON AND WIFE ALEXANDRA (103)

BRETT PHILLIPS AND WIFE CHELSEA (107)

RENEE PYLE AND CHARLOTTE M. JONES (105)

N=645406.40
E=2244758.02

STA 47+26 - WL#7
N=645406.58
E=2244764.33
INSTALL:
FIRE HYDRANT ASSEMBLY
(2) 6 IN. GATE VALVES

N=645867.84
E=2244701.22

STA 53+70 - WL#7
N=646039.35
E=2244723.65
INSTALL:
BLOW OFF ASSEMBLY
(2) 6 IN. GATE VALVES

N=645285.69
E=2244833.67

N=645259.15
E=2244846.68

ROAD CROSSING #13
PROPOSED 10" STEEL CASING
W/ 6" HDPE WATER LINE
SEE SHEET U2-22

Element	Direction	Distance
L14	S77°21'5"E	61.12
L15	S69°21'5"E	71.18
L16	S52°21'5"E	14.69
L17	S0°21'5"E	26.82
L18	S8°38'55"W	81.45

MATCH LINE STA. 1380+50 SEE SHT. NO. U2-10

MATCH LINE STA. 1395+00 SEE SHT. NO. U2-12

8 WEST STA. 324+86.73 =
NST. CL STA. 1382+71.00
2229
3426

OLD S.R. 28 EAST STA. 330+00.00 =
S.R. 28 CONST. CL STA. 1382+71.00
N 645080.8229
E 2244691.3426

(GREEN) REMOVAL OR RETIRED
(ORANGE) EXISTING TO REMAIN
(RED) NEW INSTALLATION
(BLUE) TEMPORARY RELOCATION

SEALED BY

AARON SCHALLER
REGISTERED ENGINEER
No. 124598
ENGINEER
STATE OF TENNESSEE
03/23/2026

HUSSEY GAY BELL
Established 1958
4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF
CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

WATER RELOCATION

STA. 1380+50 TO STA. 1393+00

SCALE: 1" = 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-12
		100260.03	

NOTE: IF THE PROPOSED ROAD GRADING HAS BEEN COMPLETED TO SUB GRADE, ELEVATIONS OF PIPE INSTALLATION SHALL BE MIN. DEPTH AS DICTATED BY THE FLOW LINE ELEVATIONS FOR THE PROPOSED ROAD DITCHES, DRIVEWAY DITCHES, AND DRAINAGE STRUCTURES.

REV: 3-02-26: AS PER TDOT

NOTE: SIDE CASTINGS FROM TRENCH EXCAVATION ARE TO BE KEPT ON THE RIGHT OF WAY, NO EASEMENTS TO BE ACQUIRED FOR SIDE CASTINGS.

REV: 3-25-26: TDOT R/W & PIPE CHANGES

Element	Direction	Distance
L1	N33°29'36"W	92.96'
L2	N34°02'48"W	65.86'
L3	N40°15'41"W	52.01'
L4	N40°15'41"W	51.87'
L5	N33°40'29"W	58.06'
L6	N32°14'34"W	22.93'
L7	N35°05'39"W	23.14'
L8	N06°24'07"W	8.86'
L9	N06°24'07"W	7.86'
L10	N06°24'07"W	36.21'
L11	N26°37'19"W	20.04'
L12	N28°57'19"E	62.68'
L13	N28°39'48"E	60.66'
L14	N47°05'07"E	24.56'
L15	N46°34'04"W	24.35'

(GREEN) REMOVAL OR RETIRED
(ORANGE) EXISTING TO REMAIN
(RED) NEW INSTALLATION
(BLUE) TEMPORARY RELOCATION

SEALED BY

AARON SCHALLER
REGISTERED ENGINEER
AGRICULTURE
Engineer
No. 124506
STATE OF TENNESSEE
03/23/2026

HUSSEY GAY BELL
Established 1958
4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF
CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

WATER RELOCATION

STA. 1393+00 TO STA. 1406+00

SCALE: 1" = 50'

TENNESSEE D.O.T.

DESIGN DIVISION

FILE NO. ---

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-13
		100260.03	

NOTE: IF THE PROPOSED ROAD GRADING HAS BEEN COMPLETED TO SUB GRADE, ELEVATIONS OF PIPE INSTALLATION SHALL BE MIN. DEPTH AS DICTATED BY THE FLOW LINE ELEVATIONS FOR THE PROPOSED ROAD DITCHES, DRIVEWAY DITCHES, AND DRAINAGE STRUCTURES.

REV: 3-02-26: AS PER TDOT

REV: 3-23-26: TDOT R/W & PIPE CHANGES

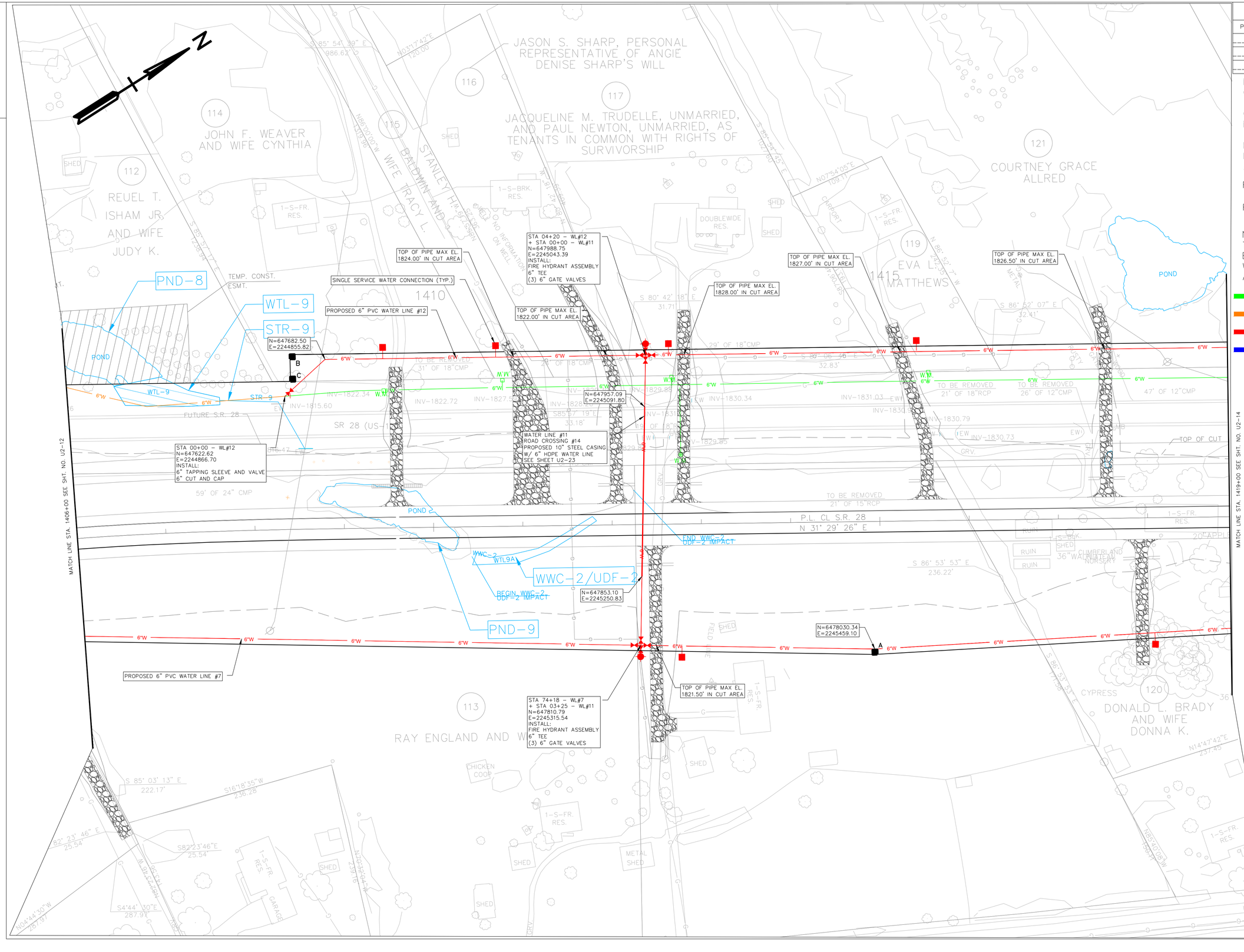
NOTE: SIDE CASTINGS FROM TRENCH EXCAVATION ARE TO BE KEPT ON THE RIGHT OF WAY, NO EASEMENTS TO BE ACQUIRED FOR SIDE CASTINGS.

(GREEN) REMOVAL OR RETIRED

(ORANGE) EXISTING TO REMAIN

(RED) NEW INSTALLATION

(BLUE) TEMPORARY RELOCATION



SEALED BY

AARON SCHALLER REGISTERED ENGINEER No. 124596 STATE OF TENNESSEE 03/23/2026

HUSSEY GAY BELL

Established 1958

4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

WATER RELOCATION

STA. 1406+00 TO STA. 1419+00

SCALE: 1" = 50'

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

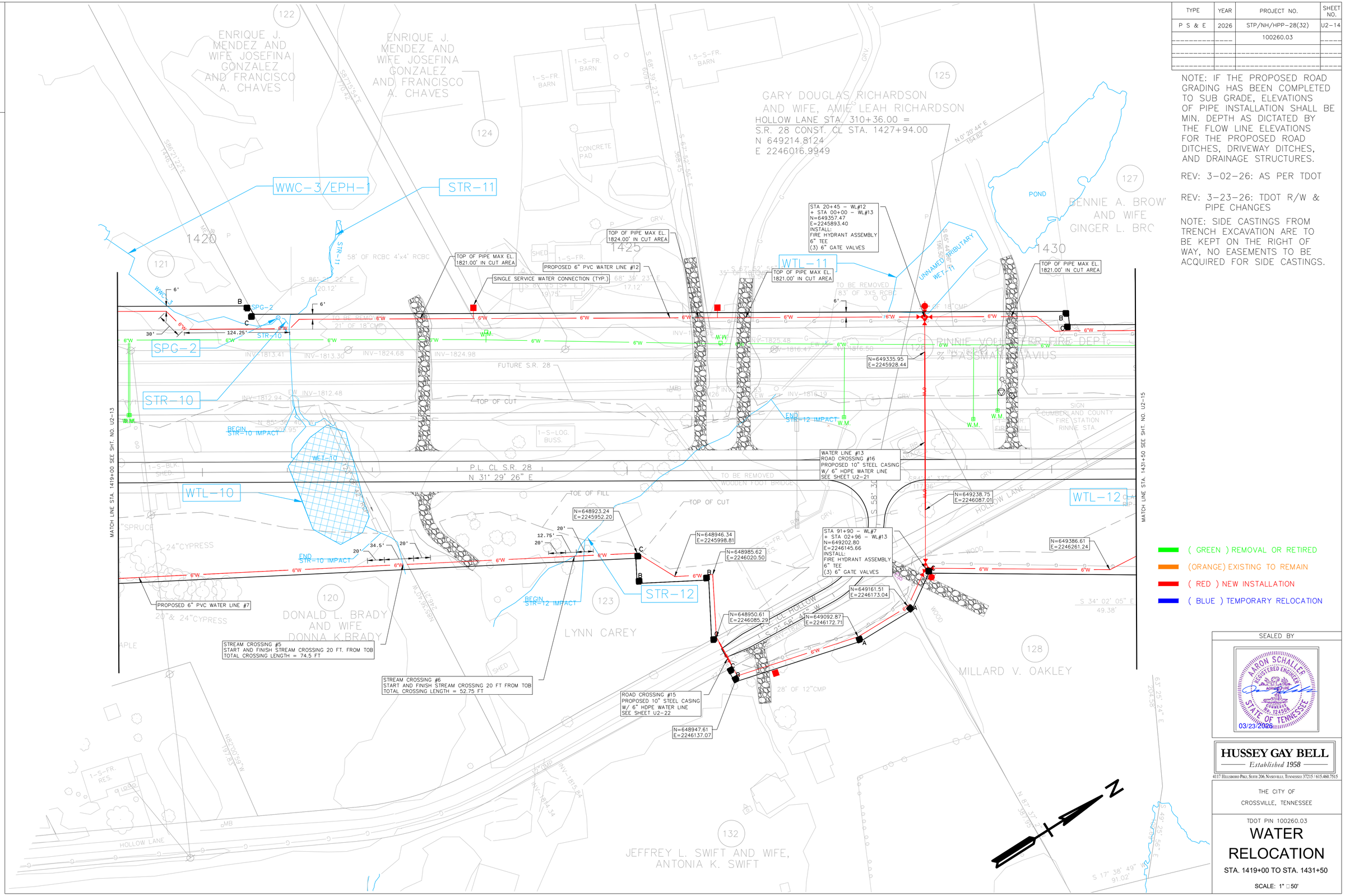
TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-14
		100260.03	

NOTE: IF THE PROPOSED ROAD GRADING HAS BEEN COMPLETED TO SUB GRADE, ELEVATIONS OF PIPE INSTALLATION SHALL BE MIN. DEPTH AS DICTATED BY THE FLOW LINE ELEVATIONS FOR THE PROPOSED ROAD DITCHES, DRIVEWAY DITCHES, AND DRAINAGE STRUCTURES.

REV: 3-02-26: AS PER TDOT

REV: 3-23-26: TDOT R/W & PIPE CHANGES

NOTE: SIDE CASTINGS FROM TRENCH EXCAVATION ARE TO BE KEPT ON THE RIGHT OF WAY, NO EASEMENTS TO BE ACQUIRED FOR SIDE CASTINGS.



SEALED BY

AARON SCHALLEY
REGISTERED ENGINEER
AGENT OF RECORD
COMMERCE No. 124598
STATE OF TENNESSEE
03/23/2026

HUSSEY GAY BELL
Established 1958
4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF
CROSSVILLE, TENNESSEE

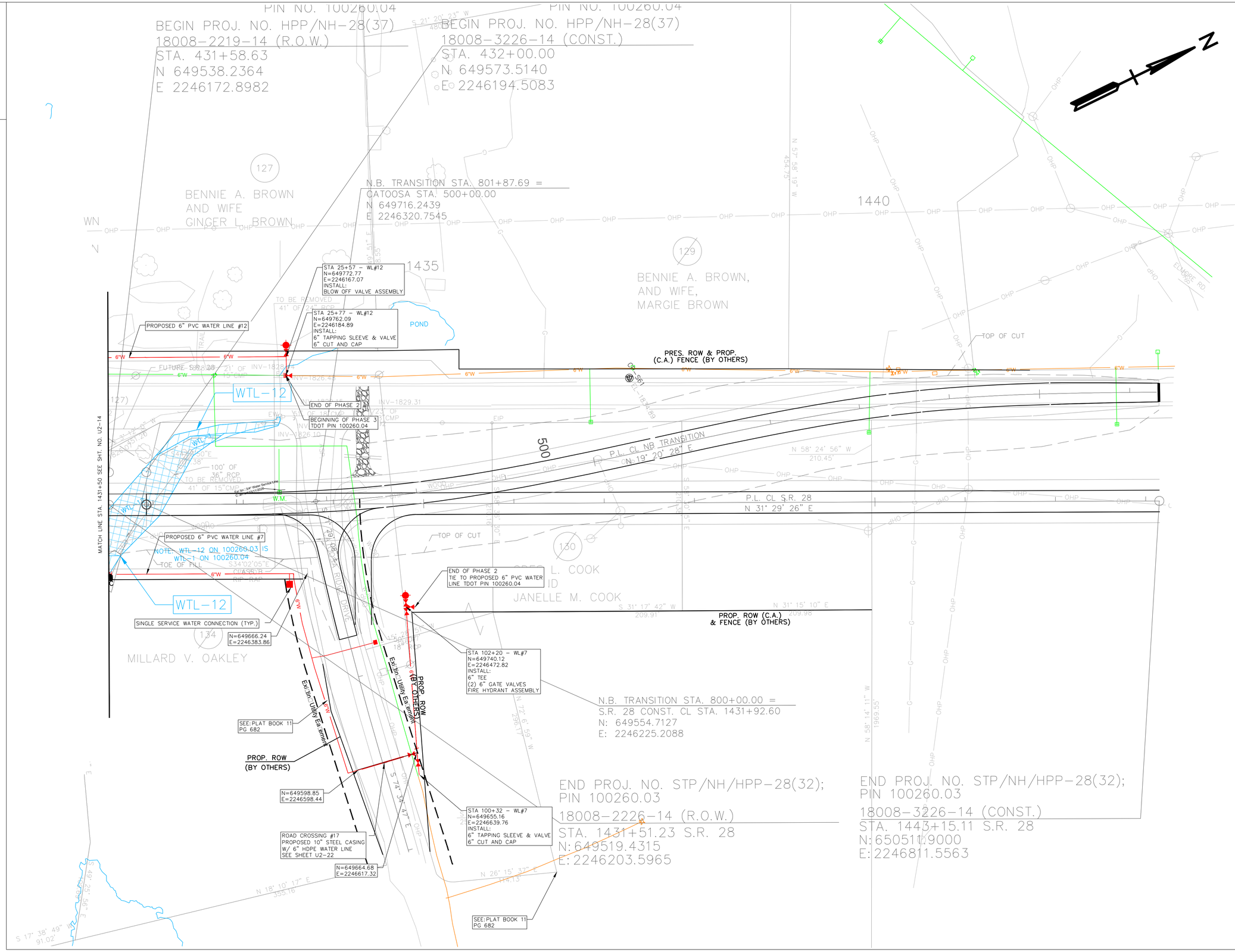
TDOT PIN 100260.03

WATER RELOCATION

STA. 1419+00 TO STA. 1431+50

SCALE: 1" = 50'

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



TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-15
		100260.03	

NOTE: IF THE PROPOSED ROAD GRADING HAS BEEN COMPLETED TO SUB GRADE, ELEVATIONS OF PIPE INSTALLATION SHALL BE MIN. DEPTH AS DICTATED BY THE FLOW LINE ELEVATIONS FOR THE PROPOSED ROAD DITCHES, DRIVEWAY DITCHES, AND DRAINAGE STRUCTURES.

REV: 3-02-26: AS PER TDOT

REV: 3-23-26: TDOT R/W & PIPE CHANGES

NOTE: SIDE CASTINGS FROM TRENCH EXCAVATION ARE TO BE KEPT ON THE RIGHT OF WAY, NO EASEMENTS TO BE ACQUIRED FOR SIDE CASTINGS.

(GREEN) REMOVAL OR RETIRED
(ORANGE) EXISTING TO REMAIN
(RED) NEW INSTALLATION
(BLUE) TEMPORARY RELOCATION

SEALED BY

AARON SCHALLER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 124506
STATE OF TENNESSEE
03/23/2026

HUSSEY GAY BELL
Established 1958
4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF
CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

WATER RELOCATION

STA. 1431+50 TO EOP

SCALE: 1" = 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-16A
		100260.03	

CITY OF CROSSVILLE WATER GENERAL NOTES: TDOT PROJECTS

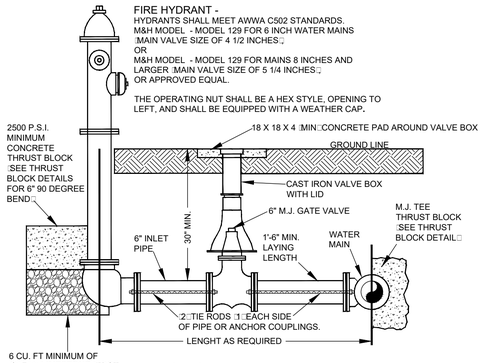
1. PVC PIPE - CLASS 200 PSI PIPE SHALL BE USED UNLESS SPECIFIED OTHERWISE. ALL FITTINGS AND APPURTENANCES (INCLUDING SERVICES) FOR WATER LINE INSTALLATIONS SHALL HAVE A MINIMUM PRESSURE RATING OF 200 PSI. DUCTILE IRON PIPE - CLASS 350 SHALL BE USED FOR PIPES 10" OR GREATER UNLESS SPECIFIED OTHERWISE. DUCTILE IRON FITTINGS, GRAVEL BACKFILL, AND THRUST BLOCKS SHALL BE INCLUDED WITH THE PER FOOT PRICE OF THE WATER LINES.
2. WATER MAINS SHALL HAVE A MINIMUM OF 30" OF COVER, EXCEPT ON TDOT RIGHT OF WAYS WHERE A MINIMUM OF 36" OF COVER IS REQUIRED.
3. TRENCH WIDTHS (WHERE ROCK IS ENCOUNTERED DURING EXCAVATION) SHALL BE A MINIMUM OF 2', PLUS THE DIAMETER OF THE WATER MAIN.
4. ALL WATER MAINS (EXCLUDING THOSE IN A CASING) SHALL HAVE A MINIMUM OF 6" OF BEDDING BELOW, ON EACH SIDE IN SOIL (WITH A MINIMUM OF 12" ON EACH SIDE IN ROCK), AND 12" OF BEDDING ABOVE THE WATER MAIN. ALL BEDDING MATERIAL SHALL BE FREE OF ROCK LARGER THAN 2" DIAMETER AND ORGANIC DEBRIS, AND SHALL BE INSTALLED IN 6" WELL COMPACTED LIFTS. NO ROCK LARGER THAN 6" IN DIAMETER SHALL BE USED AS BACKFILL IN THE REMAINDER OF THE TRENCH.
5. NEW WATER MAINS SHALL BE INSTALLED 5' INSIDE ROAD RIGHT OF WAYS (TYPICALLY) OR AS SHOWN ON PLANS.
6. SUBMITTALS FOR "APPROVED EQUALS" MUST BE PRE-APPROVED IN WRITING BY THE CITY OF CROSSVILLE ENGINEERING DEPARTMENT PRIOR TO INSTALLATION.
7. MECHANICAL JOINT RESTRAINTS SHALL BE USED ON ALL FITTINGS (UNLESS SPECIFIED OTHERWISE) AND SHALL BE EBAA IRON, INC., MEGALUG SERIES 2000PV FOR PVC PIPE AND EBAA IRON, INC., MEGALUG SERIES 1100 FOR DUCTILE IRON PIPE OR APPROVED EQUAL.
8. ALL FLUSHING AND BACTERIOLOGICAL WATER SAMPLING SHALL BE DONE BY CITY OF CROSSVILLE PERSONNEL. THE OPENING OF EXISTING VAVLES TO FILL NEWLY INSTALLED WATER MAINS SHALL ALSO BE DONE BY CITY OF CROSSVILLE PERSONNEL ONLY. THE CONTRACTOR SHALL NOT USE EXISTING METER YOKES, SERVICE CONNECTIONS, FIRE HYDRANTS, OR FLUSHING HYDRANTS TO FILL THE NEWLY INSTALLED WATER MAINS. THE CONTRACTOR SHALL USE POTABLE WATER FROM A SOURCE WHICH IS NOT CONNECTED TO A WATER MAIN OR WATER SERVICE FOR PRESSURE TESTING.
9. CURRENT AWWA STANDARDS SHALL BE FOLLOWED BY THE CONTRACTOR FOR NEW WATER LINE DISINFECTION AND WATER LINE REPAIRS. THE CONTRACTOR SHALL ADD THE FIRST DOSE OF DISINFECTANT WITHIN 10' OF THE START OF A NEW PROJECT. DISINFECTANT SHALL BE APPLIED AT A MINIMUM OF 25 PPM DURING THE CONSTRUCTION PHASE OF THE PROJECT. BACTERIOLOGICAL WATER SAMPLES SHALL BE TAKEN (BY CITY EMPLOYEES) EVERY 2500', AND ALL SPUR LINES SHALL BE SAMPLED. WATER MAINS AND SPUR LINES MUST HAVE A NEGATIVE BACTERIOLOGICAL SAMPLE BEFORE BEING ACCEPTED INTO THE EXISTING WATER SYSTEM.
10. IF A WATER SERVICE CONNECTION, BLOW-OFF HYDRANT, OR FIRE HYDRANT IS NOT LOCATED WHERE A BACTERIOLOGICAL WATER SAMPLE NEEDS TO BE TAKEN, THE CONTRACTOR SHALL INSTALL AN APPROVED 3/4" TAPPING SADDLE, 3/4" CORPORATION STOP, AND 3/4" SERVICE TUBING AS NEEDED TO OBTAIN THE SAMPLE. AFTER A NEGATIVE BACTERIOLOGICAL SAMPLE IS OBTAINED, THE SERVICE TUBING SHALL BE REMOVED, THE CORPORATION STOP CLOSED AND CAPPED, AND THE AREA BACKFILLED TO EXISTING GRADE. THE COST (INCLUDING LABOR) SHALL BE INCLUDED WITH THE PIPE INSTALLATION PRICE.
11. BEFORE PRESSURE TESTING WATER MAINS: THE WATER MAIN SHALL BE ADEQUATELY CHLORINATED (25 PPM MINIMUM), ALLOWED TO SET A MINIMUM OF 24 HOURS, THEN FLUSHED TO AN ACCEPTABLE CHLORINE LEVEL (2 PPM MINIMUM). WHEN A PASSING PRESSURE TEST HAS BEEN ACCOMPLISHED, THE WATER MAIN SHALL BE FLUSHED AGAIN TO AN ACCEPTABLE CHLORINE LEVEL, SHALL REMAIN SEPARATED FROM THE EXISTING WATER SYSTEM FOR 48 HOURS (MINIMUM), THEN A BACTERIOLOGICAL WATER SAMPLE SHALL BE TAKEN. IF THE BACTERIOLOGICAL WATER SAMPLE PASSES, THE WATER MAIN SHALL BE ADDED TO THE WATER SYSTEM.
12. ALL WATER MAINS AND WATER SERVICE LINES CROSSING STREETS\ROADS SHALL BE ENCASED UNLESS OTHERWISE SPECIFIED BY THE CITY OF CROSSVILLE ENGINEERING DEPARTMENT. TRACER WIRE AND LOCATER TAPE SHALL BE INSTALLED IN EACH STREET \ ROAD CROSSING WHETHER IT BE A MAIN LINE OR A SERVICE LINE. LOCATER WIRE SHALL BE PLACED IN THE CASING WITH THE CARRIER PIPE.
13. STEEL CASING SHALL BE USED IN ALL BORE AND JACK CROSSINGS, AND WHEN THE TOP OF THE CASING PIPE IS LESS THAN 24" BELOW ROAD SURFACE OR WHEN THE CASING SHALL BE INSTALLED more GREATER THAN 7' DEEP FROM THE ROAD SURFACE. STEEL CASING SHALL HAVE A MINIMUM CLEARANCE OF 2" BETWEEN THE CASING AND THE CARRIER PIPE. SPACERS SHALL BE INSTALLED NO MORE THAN 18" FROM EITHER END OF THE CASING.
14. STEEL CASINGS SHALL MEET ASTM A-252, SHALL BE BITUMINOUS COATED INSIDE AND OUT, AND SHALL HAVE A MINIMUM YIELD STRENGTH OF 35,000 PSI. THE STEEL CASINGS SHALL ALSO MEET AASHTO H 20 LOADING REQUIREMENTS.
15. TRENCHES SHALL BE OPENED SUFFICIENTLY TO ALLOW INSTALLATION AND REMOVAL OF CARRIER PIPE IN MANUFACTURED LENGTHS FROM EITHER END OF THE CASING PIPE. SPACERS SHALL BE USED IN ALL CASINGS UNLESS OTHERWISE NOTED. WHERE CARRIER PIPE IS 2" OR GREATER, SPACERS SHALL BE A MAXIMUM OF 7' APART (OR AS SPECIFIED BY THE MANUFACTURER) AND WITHIN 2' OF EACH BELL WITH A MINIMUM 2" SPACE BETWEEN THE CASING AND THE CARRIER PIPE. CASING SPACERS SHALL BE BWM COMPANY MODEL BWM SS (STAINLESS STEEL) OR APPROVED EQUAL.
16. CASING END SEALS SHALL BE USED AND SHALL BE BWM COMPANY MODEL BWM-PO OR MODEL BWM-WP WITH STAINLESS STEEL BANDS OR APPROVED EQUAL.
17. THE CONTRACTOR SHALL NOTIFY THE CITY OF CROSSVILLE ENGINEERING DEPARTMENT A MINIMUM OF 24 HOURS IN ADVANCE OF ALL NEW CONSTRUCTION WHICH SHALL REQUIRE INSPECTION, SURVEY LOCATION, BACTERIOLOGICAL TESTING, OR PRESSURE TESTING.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ANY TEST PORTS\TAPS FOR PRESSURE TESTING AND\OR FLUSHING NEWLY INSTALLED WATERLINES. THE COST FOR ALL MATERIALS AND LABOR SHALL BE INCLUDED IN THE PIPE INSTALLATION PRICE.
19. IF A CONFLICT IS FOUND BETWEEN THE DETAILS AND SPECIFICATIONS THE CONTRACTOR SHALL NOTIFY THE CITY OF CROSSVILLE OR ITS REPRESENTATIVE IMMEDIATELY AND A RESOLUTION SHALL BE OBTAINED AS SOON AS POSSIBLE.

POTABLE WATER PRESSURE TEST:

EACH SECTION OF THE COMPLETED WATER MAIN SHALL BE SUBJECTED TO A PRESSURE TEST. THE SECTION TO BE TESTED SHALL BE VALVED OFF BY GATE VALVES. THEN SHALL BE FILLED WITH WATER, AND A POSITIVE DISPLACEMENT TEST PUMP SHALL BE USED TO PUMP WATER INTO THE SECTION TO BUILD UP A TEST PRESSURE OF THE GREATER OF 1.5 TIMES THE WORKING PRESSURE OR 175 PSI. THE TEST PUMP SHALL THEN BE VALVED OFF FROM THE SYSTEM AND THE PRESSURE SHALL BE OBSERVED A **MINIMUM** OF TWO HOURS. A DROP IN PRESSURE OF 5 PSI OR MORE DURING THE TWO HOUR TEST PERIOD SHALL BE TAKEN AS AN INDICATION OF LEAKAGE .FAILURE:: IN THE EVENT LEAKS ARE FOUND AND CORRECTED, THE PRESSURE TEST SHALL BE REPEATED USING THE SAME PROCEDURE AS DESCRIBED ABOVE. A LINE FAILING THIS TEST WILL NOT BE PLACED IN SERVICE OR ACCEPTED BY THE CITY OF CROSSVILLE. IF POSSIBLE, A DIGITAL GAUGE SHALL BE USED TO RECORD THE LINE PRESSURE FOR THE DURATION OF THE

POTABLE WATER LINE ACCEPTANCE:

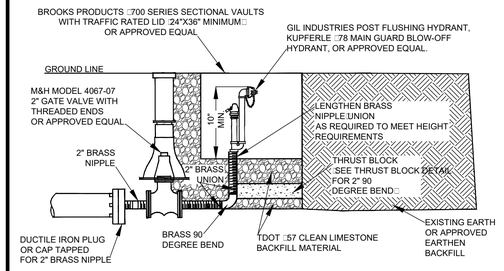
WATER MAINS AND SERVICES SHALL BE ACCEPTED ONLY AFTER ALL CITY OF CROSSVILLE INSTALLATION AND TESTING REQUIREMENTS HAVE BEEN MET. THE CITY OF CROSSVILLE ENGINEERING DEPARTMENT SHALL VERIFY THAT ALL THE CRITERIA HAS BEEN ACCOMPLISHED FOR THE ACCEPTANCE OF THE WATER MAINS AND SERVICES BEFORE BEING PLACED INTO THE EXISTING WATER SYSTEM.



NOTES :
1. A 4.5 INCH BARREL IS TO BE USED ON 6 INCH WATERLINES. A 5.25 INCH BARREL IS TO BE USED ON WATERLINES LARGER THAN 6 INCHES.
2. DO NOT BLOCK THE WEEP HOLE WITH CONCRETE.
3. FIRE HYDRANTS AND VALVES SHALL BE INSTALLED A MINIMUM OF 5' BEHIND THE CENTER LINE OF THE DITCH ON STATE ROUTES.
4. A FIRE HYDRANT ASSEMBLY SHALL CONSIST OF ALL M.J. FITTINGS, PIPING, GATE VALVE, VALVE BOX WITH LID, JOINT RESTRAINTS, GRAVEL, FIRE HYDRANT, AND THRUST BLOCKS FROM THE MAIN LINE TO THE BACK OF THE FIRE HYDRANT. FIRE HYDRANT ASSEMBLIES SHALL BE PAID PER CONTRACT UNIT PRICE.

SEE **VALVE AND VALVE BOX** DETAIL FOR INSTALLATION REQUIREMENTS

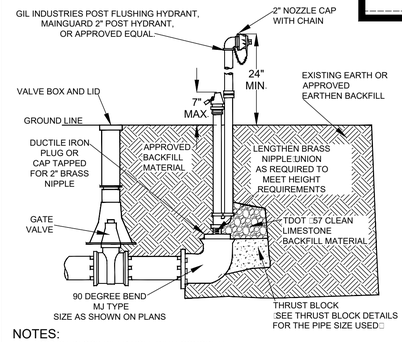
FIRE HYDRANT ASSEMBLY
NOT TO SCALE



NOTES:
1. VAULTS SHALL BE LARGE ENOUGH TO ALLOW ACCESS AND USE OF HYDRANT.
2. ALL PIPE FROM THE CAP OR PLUG TO THE BOTTOM OF THE HYDRANT SHALL BE 2" BRASS WITH A PRESSURE RATING OF NO LESS THAN 250 PSI.
3. SLOPE GROUND WATER AWAY FROM VAULT LID.
4. DO NOT BLOCK WEEP HOLE WITH CONCRETE.
5. A HIDDEN BLOW OFF HYDRANT ASSEMBLY SHALL CONSIST OF ALL M.J. FITTINGS, PIPING, GATE VALVE, VALVE BOX WITH LID, JOINT RESTRAINTS, GRAVEL, HYDRANT, VAULT, AND THRUST BLOCKS FROM THE MAIN LINE TO THE BACK OF THE HYDRANT. HIDDEN BLOW OFF HYDRANT ASSEMBLIES SHALL BE PAID PER CONTRACT UNIT PRICE.

SEE **VALVE AND VALVE BOX** DETAIL FOR INSTALLATION REQUIREMENTS

HIDDEN BLOW-OFF HYDRANT ASSEMBLY
NOT TO SCALE



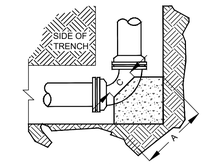
NOTES:
1. DO NOT BLOCK WEEP HOLE WITH CONCRETE.
2. THE GATE VALVE SHALL MATCH THE WATER LINE IN SIZE. SEE THE DETAIL FOR **VALVE AND VALVE BOXES** FOR INSTALLATION REQUIREMENTS.
3. IF A TWO INCH GATE VALVE IS SPECIFIED, SEE THE **HIDDEN BLOW-OFF HYDRANT DETAIL** USING TWO INCH THREADED BRASS FITTINGS AND A TWO INCH THREADED GATE VALVE.
4. A BLOW OFF HYDRANT ASSEMBLY SHALL CONSIST OF ALL M.J. FITTINGS, PIPING, GATE VALVE, VALVE BOX WITH LID, JOINT RESTRAINTS, GRAVEL, HYDRANT, AND THRUST BLOCKS FROM THE MAIN LINE FITTING TO THE BACK OF THE HYDRANT. BLOW OFF HYDRANT ASSEMBLIES SHALL BE PAID PER CONTRACT UNIT PRICE.

SEE **VALVE AND VALVE BOX** DETAIL FOR INSTALLATION REQUIREMENTS

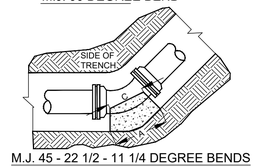
BLOW-OFF HYDRANT ASSEMBLY
NOT OT SCALE

NOTE: M.J. MECHANICAL JOINT.

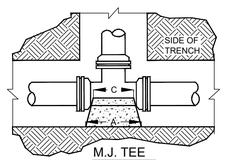
90 DEGREE BEND							
SIZE	2"	4"	6"	8"	10"	12"	18"
A	16"	16"	26"	33"	40"	50"	70"
B	16"	16"	24"	33"	40"	50"	70"
C	9"	9"	12"	12"	15"	16"	22"
D	8"	8"	12"	16"	20"	25"	24"
45 DEGREE BEND							
SIZE	2"	4"	6"	8"	10"	12"	18"
A	12"	12"	18"	24"	31"	37"	52"
B	12"	12"	18"	24"	31"	37"	52"
C	8"	8"	10"	12"	14"	16"	14"
D	6"	6"	9"	12"	15"	18"	18"
22-1/2 DEGREE BEND							
SIZE	2"	4"	6"	8"	10"	12"	18"
A	9"	9"	13"	18"	23"	26"	40"
B	9"	9"	13"	18"	23"	26"	40"
C	8"	8"	10"	12"	14"	16"	15"
D	4"	4"	6"	9"	11"	13"	16"
11-1/4 DEGREE BEND							
SIZE	2"	4"	6"	8"	10"	12"	18"
A	9"	9"	11"	13"	16"	18"	30"
B	9"	9"	11"	13"	16"	18"	30"
C	8"	8"	10"	12"	14"	16"	15"
D	4"	4"	5"	6"	8"	9"	16"
SIZE	TEE						
Main	2" - 6"	8" - 12"	8" - 10"	12"	12"	12"	18"
Branc	2" - 6"	2" - 6"	8" - 10"	2" - 6"	8" - 10"	12"	16" - 18"
A	26"	26"	43"	26"	43"	52"	70"
B	26"	26"	43"	26"	43"	52"	70"
C	12"	12"	12"	12"	12"	12"	30"
D	13"	13"	21"	13"	21"	26"	24"
PLUG							
SIZE	2"	4"	6"	8"	10"	12"	18"
A	26"	26"	26"	34"	43"	52"	70"
B	26"	26"	26"	34"	43"	52"	70"
C	12"	12"	12"	12"	12"	12"	30"
D	11"	11"	11"	15"	22"	32"	32"



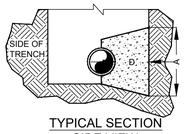
M.J. 90 DEGREE BEND



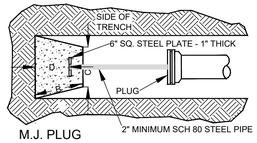
M.J. 45 - 22 1/2 - 11 1/4 DEGREE BENDS



M.J. TEE



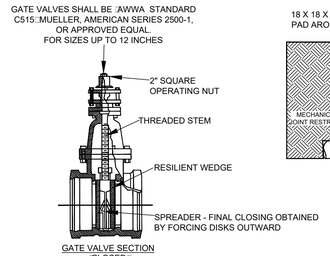
TYPICAL SECTION
SIDE VIEW



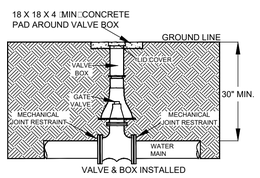
M.J. PLUG

THRUST BLOCK DETAILS & DIMENSIONS
NOT TO SCALE

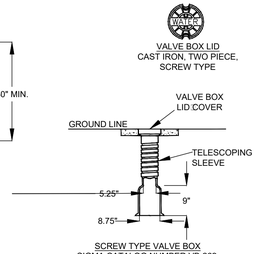
NOTES:
1. PIPE AND FITTINGS SHALL BE WRAPPED IN 5 MIL. PLASTIC MINIMUM. WHERE THRUST BLOCKS ARE INSTALLED.
2. PLASTIC LINING SHALL NOT COVER OR IMPAIR THE FLOW OF WATER FROM THE WEEP HOLE ON A FIRE HYDRANT OR BLOW OFF HYDRANT ASSEMBLY.
3. 2500 PSI .MINIMUM.:CONCRETE SHALL BE USED FOR THRUST BLOCKS.
4. THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED EARTH OR ROCK.



GATE VALVE SECTION CLOSED



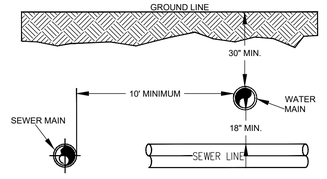
VALVE & BOX INSTALLED



SCREW TYPE VALVE BOX
SIGMA CATALOG NUMBER VB-262:
SIGMA MODEL NUMBERS VB-2600, VB-2621, AND VB-2622 ROADWAY TYPE,
OR APPROVED EQUAL.
VALVE BOXES SHALL MEET H20 LOADING STANDARDS. THE COVER SHALL BE MARKED "WATER".

NOTES:
1. GATE VALVES SHALL BE :AWWA STANDARD C515::MUELLER,AMERICAN SERIES 2500-1, OR APPROVED EQUAL. FOR SIZES UP TO 12 INCHES
2. TAPPING SLEEVES SHALL BE MUELLER H-615 OR APPROVED EQUAL.
3. TAPPING VALVES SHALL BE MUELLER T-2360-16, AMERICAN SERIES 2500-1, OR APPROVED EQUAL FOR SIZES UP TO 12 INCHES
4. BUTTERFLY VALVES SHALL BE USED FOR SIZES 14 INCHES OR LARGER, MUELLER H-667 FOR 14 INCH THROUGH 24 INCH OR APPROVED EQUAL.
5. WHENEVER A WATER VALVE IS ADJACENT TO A TEE IN THE WATER LINE THE WATER VALVE SHALL BE ATTACHED TO THE TEE USING RODDING OR ALL THREAD.
6. **ALL VALVES OVER 5' IN DEPTH SHALL HAVE A VALVE EXTENSION STEM** .TRUMBULL OR APPROVED EQUAL: THE TOP OF THE STEM SHALL BE WITHIN 3' OF FINISHED GRADE. THE VALVE EXTENSION STEM SHALL BE INCLUDED IN THE VALVE ASSEMBLY COST.
7. ALL GATE VALVES SHALL BE RESILIENT WEDGE TYPE.
8. ALL VALVES SHALL HAVE A 18 X 18 X 4 :MIN::CONCRETE PAD AROUND THE VALVE BOX, 2500 PSI CONCRETE :MINIMUM.:SHALL BE USED FOR PAD:COLLAR
9. THE VALVE BOX AND LID, VALVE, JOINT RESTRAINTS, CONCRETE PAD/COLLAR, GRANULAR BACKFILL, AND LABOR SHALL BE INCLUDED IN THE PRICE OF THE VALVE ASSEMBLY AND SHALL BE PAID PER CONTRACT UNIT PRICE.

VALVE & VALVE BOX
NOT TO SCALE



NOTE:
1. IF THE SEWER MAIN OR SEWER SERVICE LINE CROSSES ON TOP OF THE WATER MAIN IT SHALL BE ENCASED A MINIMUM OF 5' ON EACH SIDE OF THE WATER MAIN. ALTERNATE CASING PIPE TYPES :STEEL,PVC, HDPE, DIP, ETC: ARE ALLOWED ON CITY STREETS AND COUNTY ROADS, BUT THEY MUST BE PRE-APPROVED IN WRITING BY THE CITY ENGINEERING DEPARTMENT PRIOR TO BEING INSTALLED IN THE TRENCH. THE CASING PIPE SHALL MEET OR EXCEED THE WALL THICKNESS AND PSI RATING OF PVC SDR 21 :CLASS 200:.PIPE.

SEPARATION OF PIPED UTILITIES
NOT TO SCALE

LEFT BLANK INTENTIONALLY

SEALED BY



HUSSEY GAY BELL
Established 1958
0117 Hillsboro Pike, Suite 206 Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF
CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

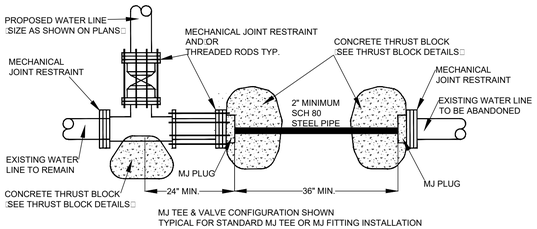
WATER RELOCATION

WATER UTILITY DETAILS

SCALE: NTS

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-16B
		100260.03	

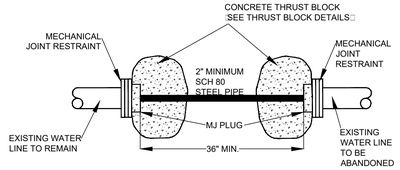


MJ TEE & VALVE CONFIGURATION SHOWN
TYPICAL FOR STANDARD MJ TEE OR MJ FITTING INSTALLATION

NOTE:
4" SOLID CONCRETE CAP BLOCKS MAY USED INSTEAD OF THE 2" SCHEDULE 80 STEEL PIPE UPON APPROVAL BY THE CITY OF CROSSVILLE ENGINEERING DEPARTMENT. ITEM SHALL PAID PER CONTRACT UNIT PRICE AS DESCRIBED IN THE UTILITY BID ITEMS.

CONNECTION TO EXISTING WATER LINE AND ABANDONED DETAIL ADJACENT TO A MJ FITTING
NOT TO SCALE

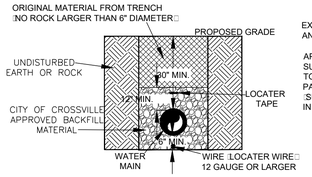
NOTE:
4" SOLID CONCRETE CAP BLOCKS MAY USED INSTEAD OF THE 2" SCHEDULE 80 STEEL PIPE UPON APPROVAL BY THE CITY OF CROSSVILLE ENGINEERING DEPARTMENT. ITEM SHALL PAID PER CONTRACT UNIT PRICE AS DESCRIBED IN THE UTILITY BID ITEMS.



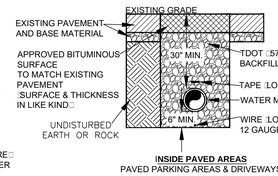
MJ TYPE FITTINGS SHALL HAVE MECHANICAL JOINT RESTRAINTS AND/OR THREADED RODS TO SECURE THE FITTINGS, APPURTENANCES, AND PIPING TOGETHER.

WHERE TAPPING TEES AND TAPPING VALVES ARE INSTALLED THE CONNECTION AND ABANDON DETAIL NOT ADJACENT TO MJ FITTING SHALL BE USED

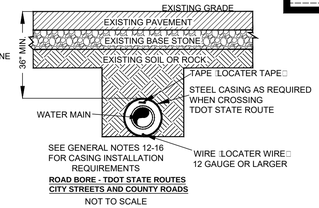
CONNECTION TO EXISTING WATER LINE AND ABANDONED DETAIL NOT ADJACENT TO A MJ FITTING
NOT TO SCALE



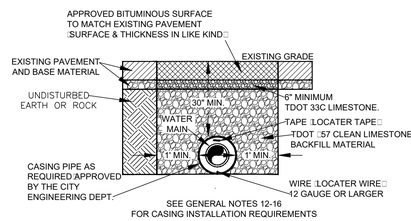
OUTSIDE OF PAVED AREAS - ROCK OR EARTH
NOT TO SCALE



INSIDE PAVED AREAS
PAVED PARKING AREAS & DRIVEWAYS
NOT TO SCALE



ROAD BORE - TDOT STATE ROUTES
CITY STREETS AND COUNTY ROADS
NOT TO SCALE

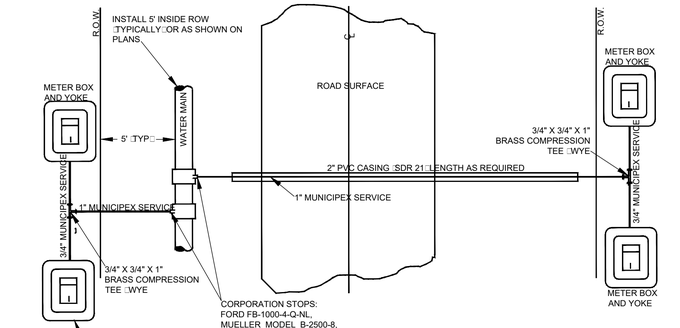


SEE GENERAL NOTES 12-16
FOR CASING INSTALLATION REQUIREMENTS

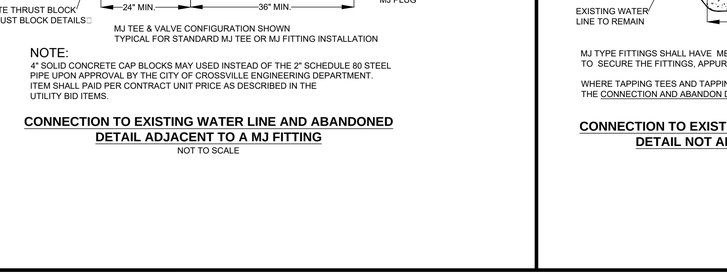
BITUMINOUS SURFACE OPEN-CUT
CITY STREET OR COUNTY ROAD
NOT TO SCALE

TENCH AND BACKFILL DETAIL
NOT TO SCALE

NOTES:
1. 2" MINIMUM WIDTH METALLIC LOCATER TAPE LABELED "WATER" SHALL BE PLACED IN THE TRENCH 6" - 8" ABOVE THE WATER MAIN.
2. LOCATER WIRE: SHALL BE COLORED BLUE, 12 GAUGE OR LARGER SOLID WIRE, AND BE PLACED IN THE BOTTOM OF THE PIPE TRENCH.
3. ALL BACKFILL MATERIAL MUST BE PRE-APPROVED IN WRITING BY THE CITY ENGINEERING DEPARTMENT PRIOR TO BEING PLACED IN THE TRENCH.
4. ALL WATER MAINS (EXCLUDING THOSE IN A CASING) SHALL HAVE A MINIMUM OF 6" OF BEDDING BELOW, ON EACH SIDE IN SOIL (WITH A MINIMUM OF 12" ON EACH SIDE IN ROCK), AND 12" OF BEDDING ABOVE THE WATER MAIN. ALL BEDDING MATERIAL SHALL BE FREE OF ROCK LARGER THAN 2" DIAMETER AND ORGANIC DEBRIS, AND SHALL BE INSTALLED IN 6" WELL COMPACTED LIFTS. NO ROCK LARGER THAN 6" IN DIAMETER SHALL BE USED AS BACKFILL IN THE REMAINDER OF THE TRENCH.
5. TRENCH WIDTHS WHERE ROCK IS ENCOUNTERED DURING EXCAVATION SHALL BE A MINIMUM WIDTH OF 2' PLUS THE DIAMETER OF THE WATER MAIN.
6. BITUMINOUS COATED STEEL CASINGS ARE REQUIRED WHEN CROSSING STATE ROUTES. 36" MINIMUM DEPTH.
7. ALTERNATE CASING PIPE TYPES PVC, HDPE, DIP, ETC ARE ALLOWED ON CITY STREETS AND COUNTY ROADS, BUT THEY MUST BE PRE-APPROVED IN WRITING BY THE CITY ENGINEERING DEPARTMENT PRIOR TO BEING INSTALLED IN A TRENCH OR BORE.
8. ALL TRENCHES IN GRAVELED, PAVED, OR CONCRETED AREAS SHALL BE BACKFILLED WITH GRAVEL ONLY, INCLUDING DRIVEWAYS.



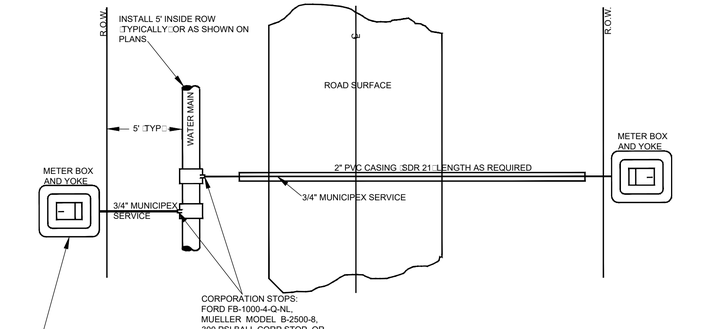
PLAN VIEW
NOT TO SCALE



DOUBLE WATER SERVICE CONNECTION
NOT TO SCALE

NOTES:
1. WATER SERVICE LINE CASINGS SHALL EXTEND A MINIMUM OF 5' PAST THE CENTER LINE OF THE DITCH OR THE TOE OF THE SLOPE. WHERE THE WATER MAIN IS CLOSER THAN 5' TO THE DITCH OR TOE OF SLOPE THE CASING SHALL BE WITHIN 2' OF THE WATER MAIN.
2. ON CURB AND GUTTER STREETS THE CASING SHALL EXTEND A MINIMUM OF 3' BEHIND THE BACK OF THE CURBS OR THE RIGHT OF WAY SIDE OF THE SIDEWALKS.
3. ALL WATER SERVICES EXTENDING UNDER ROADWAYS SHALL BE IN CASINGS AS SHOWN.
4. ALL CASINGS SHALL BE A MINIMUM OF 36" DEEP FROM TOP OF THE CASING PIPE TO CENTER LINE OF THE DITCH ON STATE ROUTES.
5. ALL WATER SERVICE TUBING SHALL BE MUNICIPEX CLASS 200.
6. THE CASING PIPE SHALL MEET OR EXCEED THE WALL THICKNESS AND PSI RATING OF PVC SDR 21 CLASS 200 PIPE.
7. WATER METER ASSEMBLIES SHALL INCLUDE ALL THE COMPONENTS SHOWN ABOVE EXCEPT SERVICE LINES AND CASINGS.
8. WATER METER ASSEMBLIES SHALL BE PAID PER CONTRACT UNIT PRICE.

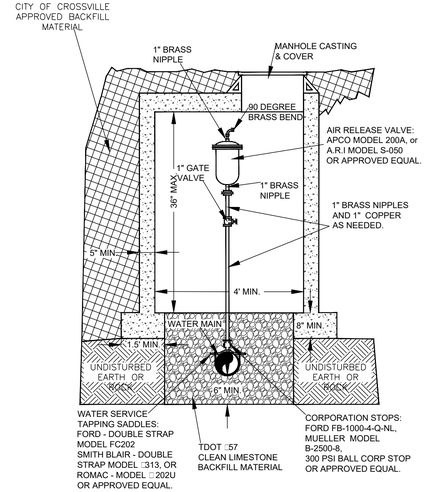
SERVICE CONNECTION DETAIL
NOT TO SCALE



PLAN VIEW
NOT TO SCALE

SINGLE WATER SERVICE CONNECTION
NOT TO SCALE

NOTES:
1. WHERE WATER METER BOXES ARE INSTALLED IN GRAVELED, PAVED, OR CONCRETED AREAS THE METER BOXES SHALL BE TRAFFIC RATED.
2. TRAFFIC RATED METER BOXES SHALL BE APPROVED BY THE CITY OF CROSSVILLE ENGINEERING DEPARTMENT PRIOR TO INSTALLATION.
3. TRAFFIC RATED METER BOXES SHALL BE INCLUDED AS PART OF THE WATER METER ASSEMBLY AND SHALL BE PAID PER CONTRACT UNIT PRICE.
4. WATER METER ASSEMBLY LOCATIONS SHALL BE FIELD VERIFIED BY THE CITY OF CROSSVILLE OR ITS REPRESENTATIVES. ALL NEW WATER METER ASSEMBLIES SHALL BE LOCATED AS NEAR AS POSSIBLE TO THE EXISTING CUSTOMER SERVICE LINE.
5. TRACER WIRE AND LOCATER TAPE SHALL BE INSTALLED FOR ALL WATER SERVICE STREET/ROAD/HIGHWAY CROSSINGS WHICH ARE INSTALLED BY THE OPEN CUT METHOD.
6. ALL BRASS WATER METER ASSEMBLY COMPONENTS SHALL BE STAMPED NL NO LEAD

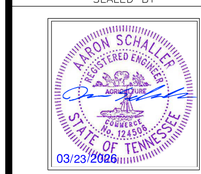


NOTES:
1. A 1" VALVE IS REQUIRED ON 8" AND SMALLER WATER MAINS. & A 2" VALVE IS REQUIRED ON 10" AND LARGER WATER MAINS.
2. SOLID CONCRETE CAP BLOCKS MAY BE USED AT THE BOTTOM OF THE BOX TO ADJUST HEIGHT IF NEEDED.
3. AN AIR RELEASE VALVE ASSEMBLY SHALL CONSIST OF ALL FITTINGS, PIPING, TAPPING SADDLE, CORPORATION STOP, VALVE, GRAVEL, AIR RELEASE, AND MANHOLE OR BOX. AIR RELEASE ASSEMBLIES SHALL BE PAID PER CONTRACT UNIT PRICE.

USE PRECAST MANHOLE SECTION W/FLAT TOP OR AN APPROVED BOX.
BOXES MUST BE PRE-APPROVED IN WRITING BY THE CITY ENGINEERING DEPARTMENT PRIOR TO INSTALLATION

AIR RELEASE VALVE ASSEMBLY
NOT TO SCALE

SEALED BY



HUSSEY GAY BELL
Established 1958
317 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF
CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

WATER RELOCATION

WATER UTILITY DETAILS

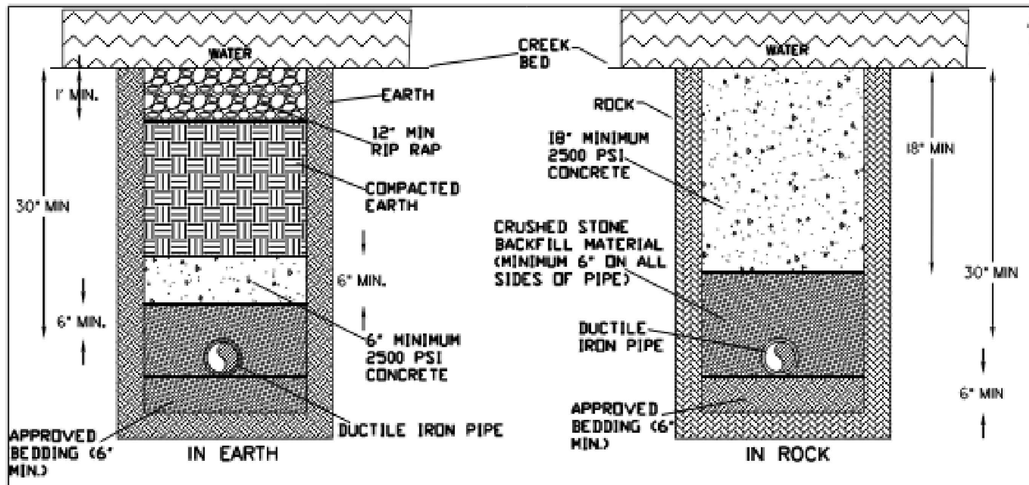
SCALE: NTS

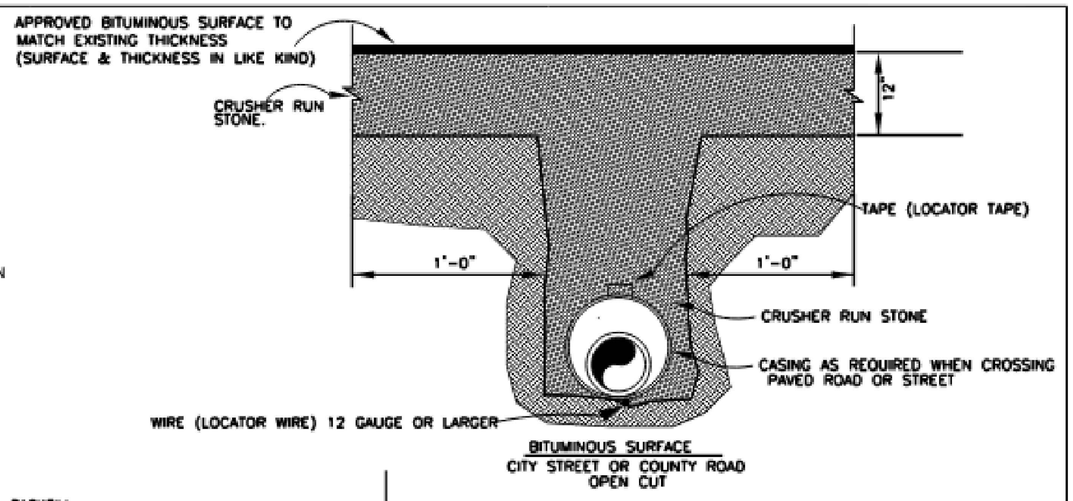
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO. ---

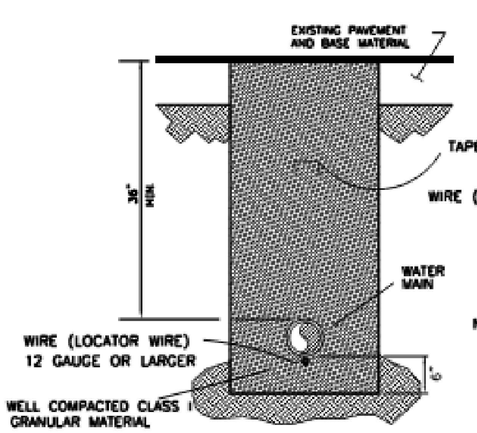
TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-16C
		100260.03	

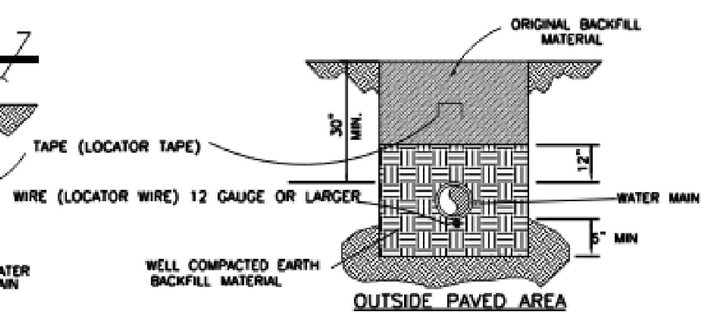
TYPICAL STREAM CROSSING

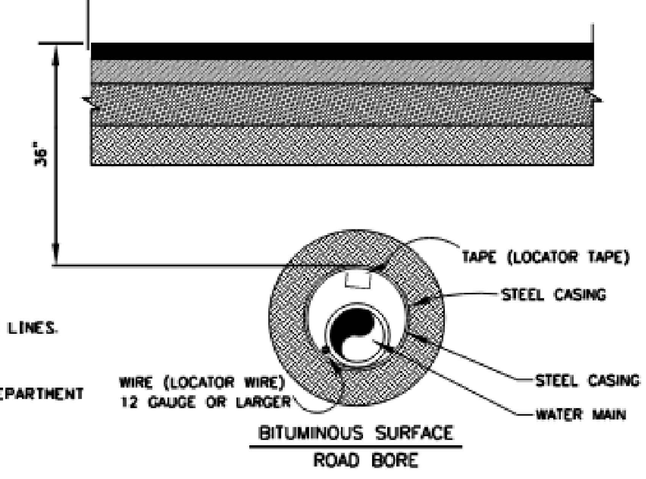
NO SCALE











NOTE:
1. METALLIC LOCATOR TAPE LABELED "WATER" SHALL BE PLACED 12"-16" BELOW FINISHED GRADE LEVEL AND CENTERED OVER PIPE ON ALL MAIN LINES AND SERVICE LINES.
2. LOCATOR WIRE (12 GAUGE OR LARGER) SHALL BE PLACED IN BOTTOM OF DITCH.
3. ALL PIPE SHALL HAVE A AT LEAST 6 INCHES OF BEDDING APPROVED BY CATOOSA DEPARTMENT
4. ALL PIPE BEDDING MATERIALS SHALL BE FREE OF LARGE ROCK AND ORGANIC DEBRIS.
5. CLASS 200 PIPE SHALL BE USED UNLESS SPECIFIED OTHERWISE.
6. BACKFILL MATERIALS SHALL BE MECHANICALLY COMPACTED IN SIX INCH LAYERS.

BACK FILLING

SEALED BY

AARON SCHALLER
REGISTERED ENGINEER
AGRICULTURE
No. 124508
STATE OF TENNESSEE
03/23/2026

HUSSEY GAY BELL
Established 1958
4117 Hillsboro Pike, Suite 206 Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF
CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

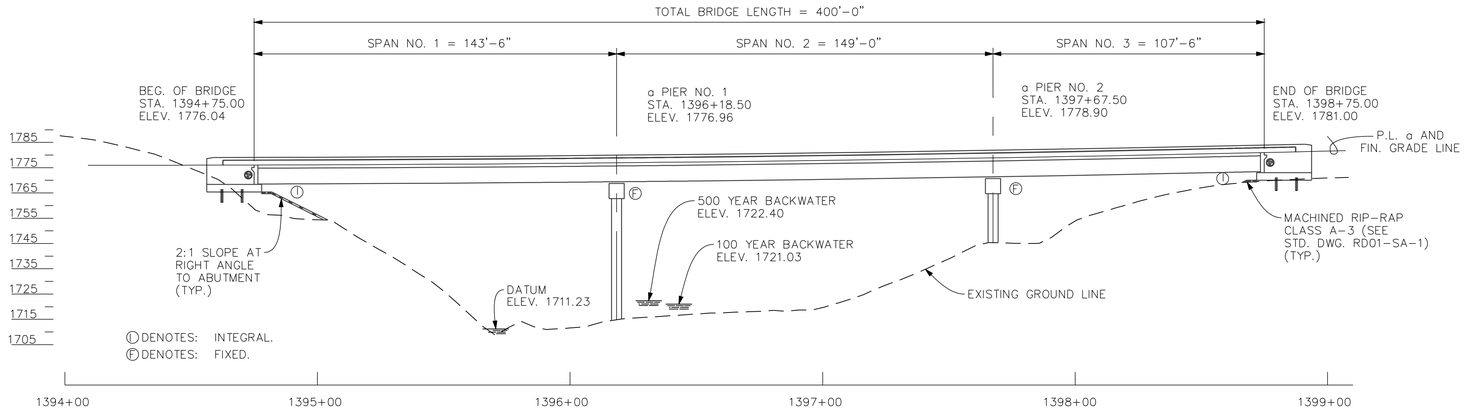
WATER RELOCATION

WATER UTILITY DETAILS

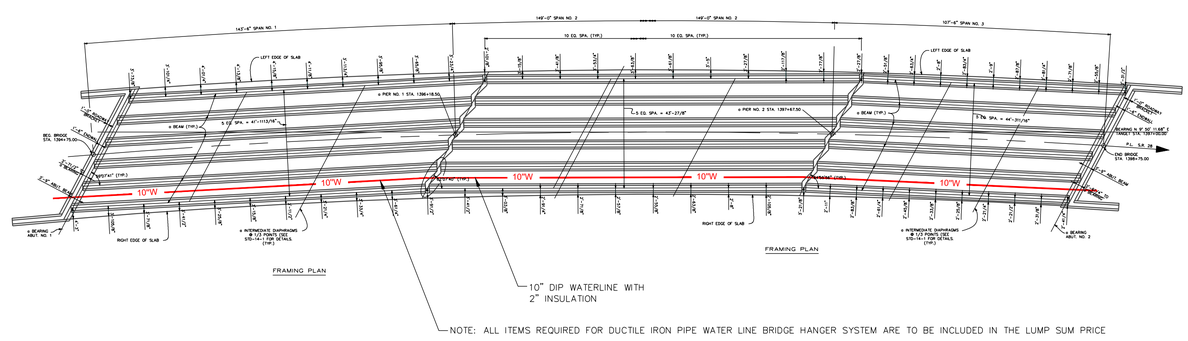
SCALE: NTS

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

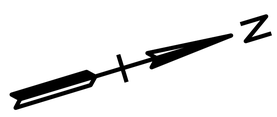
TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-16D
		100260.03	



ELEVATION



NOTE: ALL ITEMS REQUIRED FOR DUCTILE IRON PIPE WATER LINE BRIDGE HANGER SYSTEM ARE TO BE INCLUDED IN THE LUMP SUM PRICE



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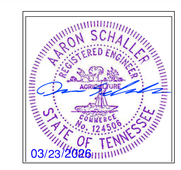

HUSSEY GAY BELL
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4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF
CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

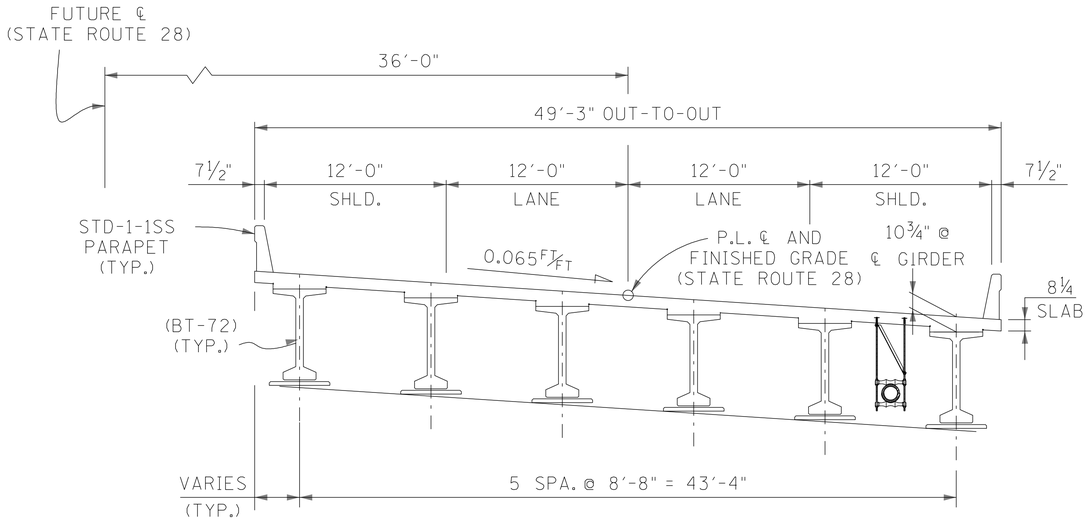
WATER RELOCATION

WATER UTILITY DETAILS

SCALE: 1" □ 30'

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

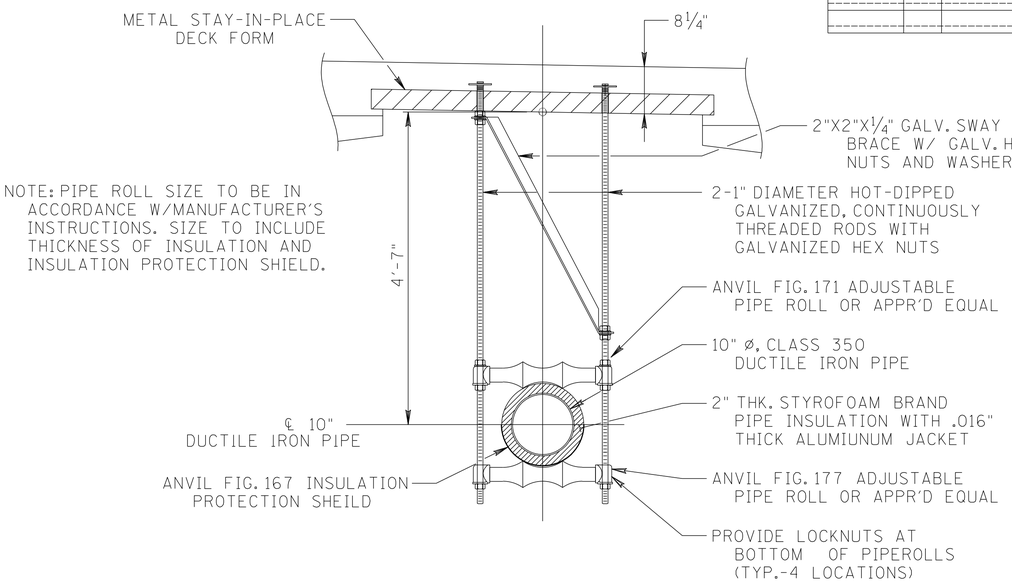
TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-16E
		100260.03	



TYPICAL CROSS-SECTION

(LOOKING FORWARD ON SURVEY)

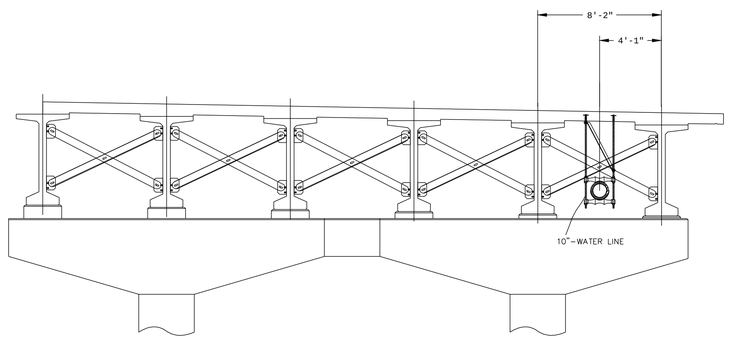
SCALE: 1" □ 5'



TYPICAL HANGER ASSEMBLY DETAIL

SCALE: NTS

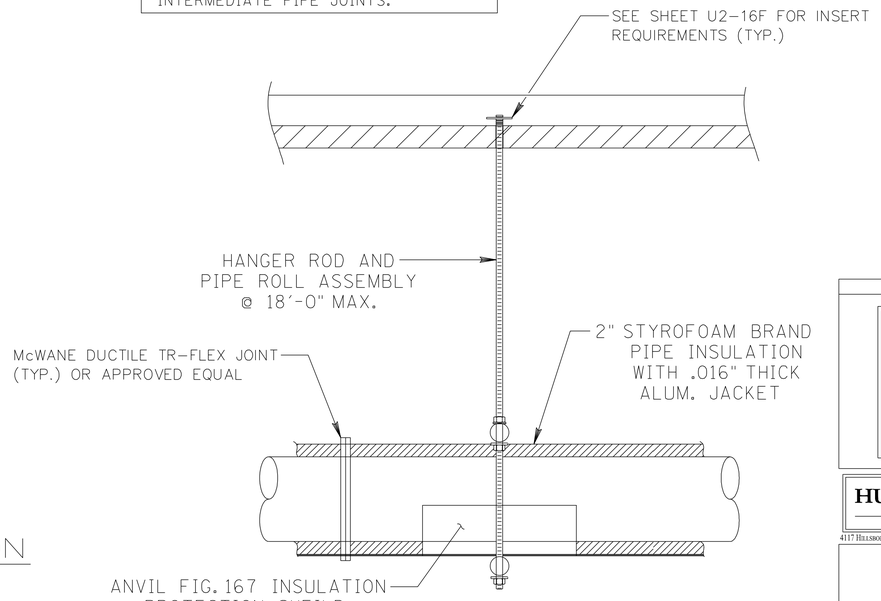
NOTE: MAXIMUM HANGER PIPE SUPPORT ASSEMBLY SPACING = 18'-0". A HANGAR SUPPORT SHALL BE LOCATED NO FURTHER THAN 2'-0" FROM ALL INTERMEDIATE PIPE JOINTS.



TYPICAL CROSS SECTION @ MIDSPAN: STEEL DIAPHRAGM OPTION

(LOOKING FORWARD ON SURVEY)

SCALE: 1" □ 5'



ELEVATION @ HANGER ASSEMBLY

SCALE: NTS

SEALED BY

AARON SCHALLER
REGISTERED ENGINEER
AGRICULTURE
Engineer
No. 124508
STATE OF TENNESSEE
03/23/2026

HUSSEY GAY BELL
Established 1958
4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF
CROSSVILLE, TENNESSEE

TDOT PIN 100260.03

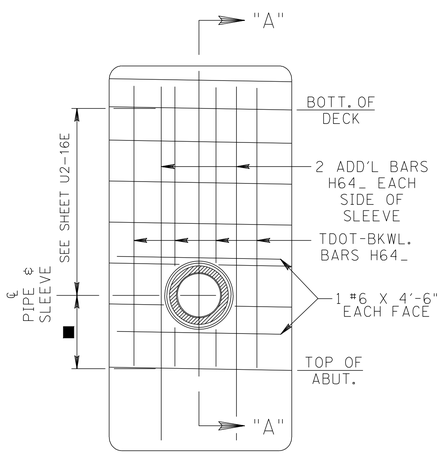
WATER RELOCATION

WATER UTILITY DETAILS

SCALE: AS NOTED

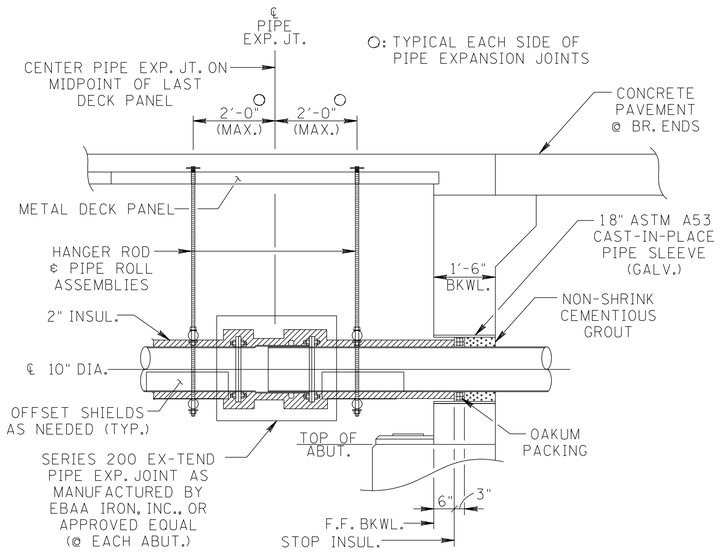
TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U2-16F
		100260.03	

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

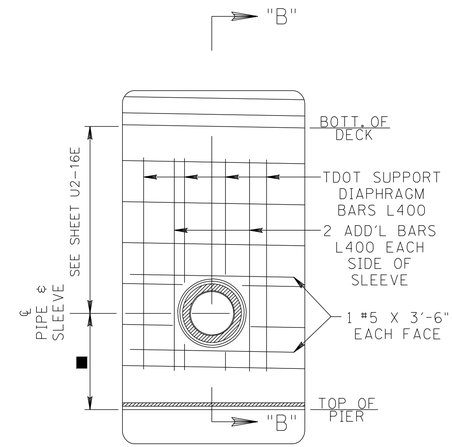


■: VARIES WITH TYPE OF INTERMEDIATE DIAPHRAGM & RISER BLOCK HEIGHTS

DETAIL "A"
(AT ABUTMENT BACKWALL PENETRATION)

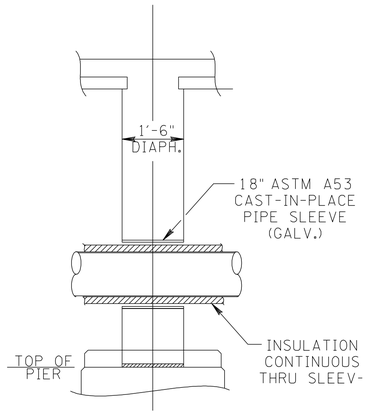


SECTION "A-A"

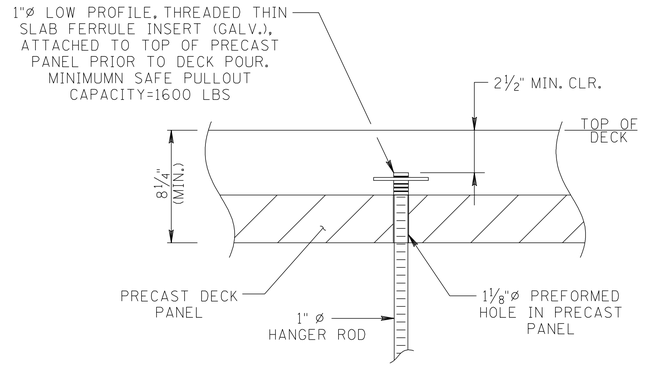


■: VARIES WITH TYPE OF INTERMEDIATE DIAPHRAGM & RISER BLOCK HEIGHTS

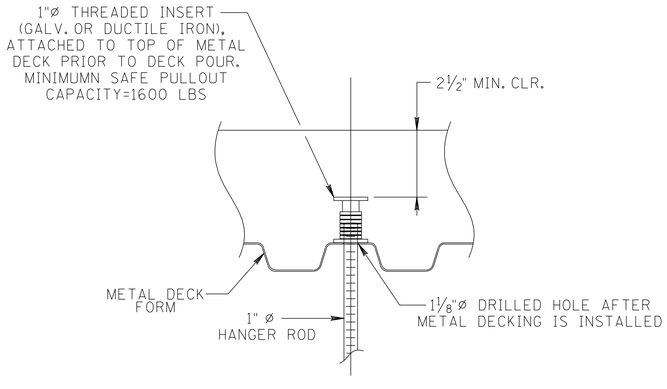
DETAIL "B"
(AT PIER SUPPORT DIAPHRAM PENETRATION)



SECTION "B-B"



FOR PRECAST DECK PANEL OPTION



FOR METAL DECK FORM OPTION
(SHOWN @90° TO DECK SPAN)

CONCRETE INSERT DETAILS

SEALED BY



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TDOT PIN 100260.03

WATER RELOCATION

WATER UTILITY DETAILS

SCALE: NTS

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO. ---

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2022	18008-2222-14	U2-17

PROP. R.O.W. OFFSET -133.81
PRES. R.O.W. OFFSET -63.76
PRES. R.O.W. OFFSET -39.40
PROP. R.O.W. OFFSET 59.40
EX. 1" GAS
PROPOSED 6" WATER
℄ EL. 1843.22 OFFSET -17.23
FG EL. 1846.55
℄ EL. 1841.70
℄ EL. 1845.14 OFFSET 30.58
TOP OF PIPE EL. 1839.00 31' LEFT
PROP. 6" WATER
TOP OF CASING EL. 1838.00 22' LEFT
PROPOSED 10" STEEL CASING
48' OPEN CUT
TOP OF PIPE EL. 1842.00 31' RIGHT
TOP OF CASING EL. 1838.75 26' RIGHT
PROP. 6" WATER
BYERS LANE 214+25 CROSSING #3

PROP. R.O.W. OFFSET -42.99
PRES. R.O.W. OFFSET -11.46
PRES. R.O.W. OFFSET 12.54
EX. 2" WATER
PROPOSED 6" WATER
℄ EL. 1853.84 OFFSET -27.62
FG EL. 1859.60
℄ EL. 1852.34 OFFSET 32.12
PROPOSED 2" GAS
PROP. R.O.W. OFFSET 44.78
TOP OF CASING EL. 1848.50 37' RIGHT
TOP OF PIPE EL. 1849.00 23' LEFT
PROP. 6" WATER
TOP OF CASING EL. 1848.50 19' LEFT
56' OPEN CUT
PROPOSED 10" STEEL CASING
TOP OF PIPE EL. 1849.00 43' RIGHT
PROP. 6" WATER
MAYFAIR DRIVE 181+75 CROSSING #2

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

PROP. R.O.W. BY OTHERS
PROPOSED 6" WATER
PRES. R.O.W. OFFSET -137.43
℄ EL. 1865.00 OFFSET -127.94
PRES. R.O.W. OFFSET -67.41
EX. 8" GAS
℄ EL. 1862.26
FG EL. 1866.72
℄ EL. 1864.73 OFFSET -52.03
℄ EL. 1862.98
FG EL. 1866.72
TOP OF PIPE EL. 1865.00 175' LEFT
PROP. 6" WATER
TOP OF PIPE EL. 1864.00 143' LEFT
TOP OF CASING EL. 1858.00 131' LEFT
30' BORE & JACK
101' LEFT
PROPOSED 10" STEEL CASING
154' OPEN CUT
TOP OF PIPE EL. 1855.50 81' RIGHT
PROPOSED 6" WATER
PROP. R.O.W. BY OTHERS
TOP OF CASING EL. 1858.00 53' RIGHT
PROP. 6" WATER
SR 28 1299+00 CROSSING #1

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

AARON SCHALLER REGISTERED ENGINEER No. 124508 STATE OF TENNESSEE 03/23/2026

HUSSEY GAY BELL
Established 1958
6117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

THE CITY OF CROSSVILLE, TENNESSEE

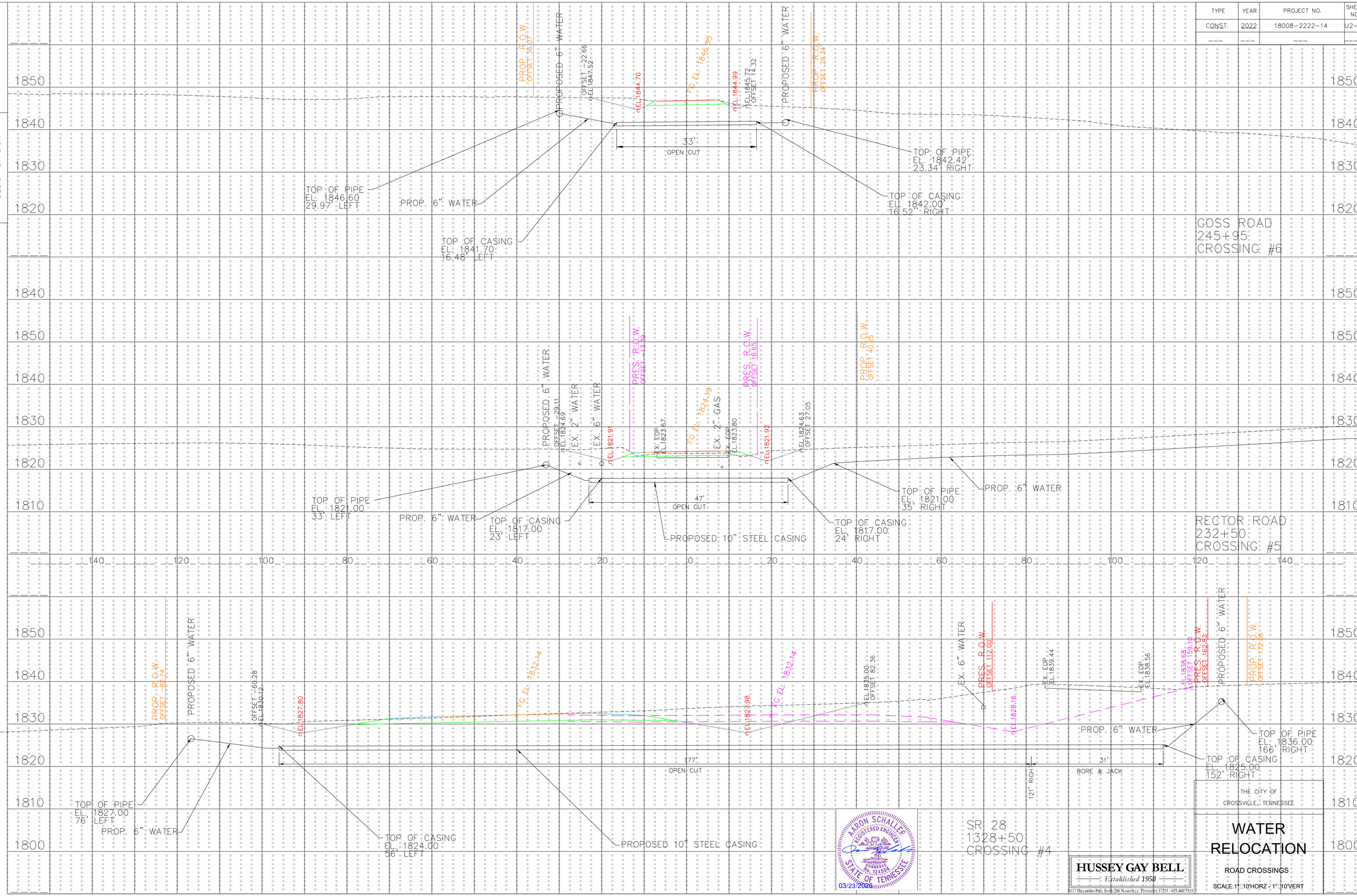
WATER RELOCATION

ROAD CROSSINGS

SCALE: 1" 10'HORZ - 1" 10'VERT

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2022	18008-2222-14	U2-18

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



THE CITY OF
CROSSVILLE, TENNESSEE

WATER RELOCATION

ROAD CROSSINGS

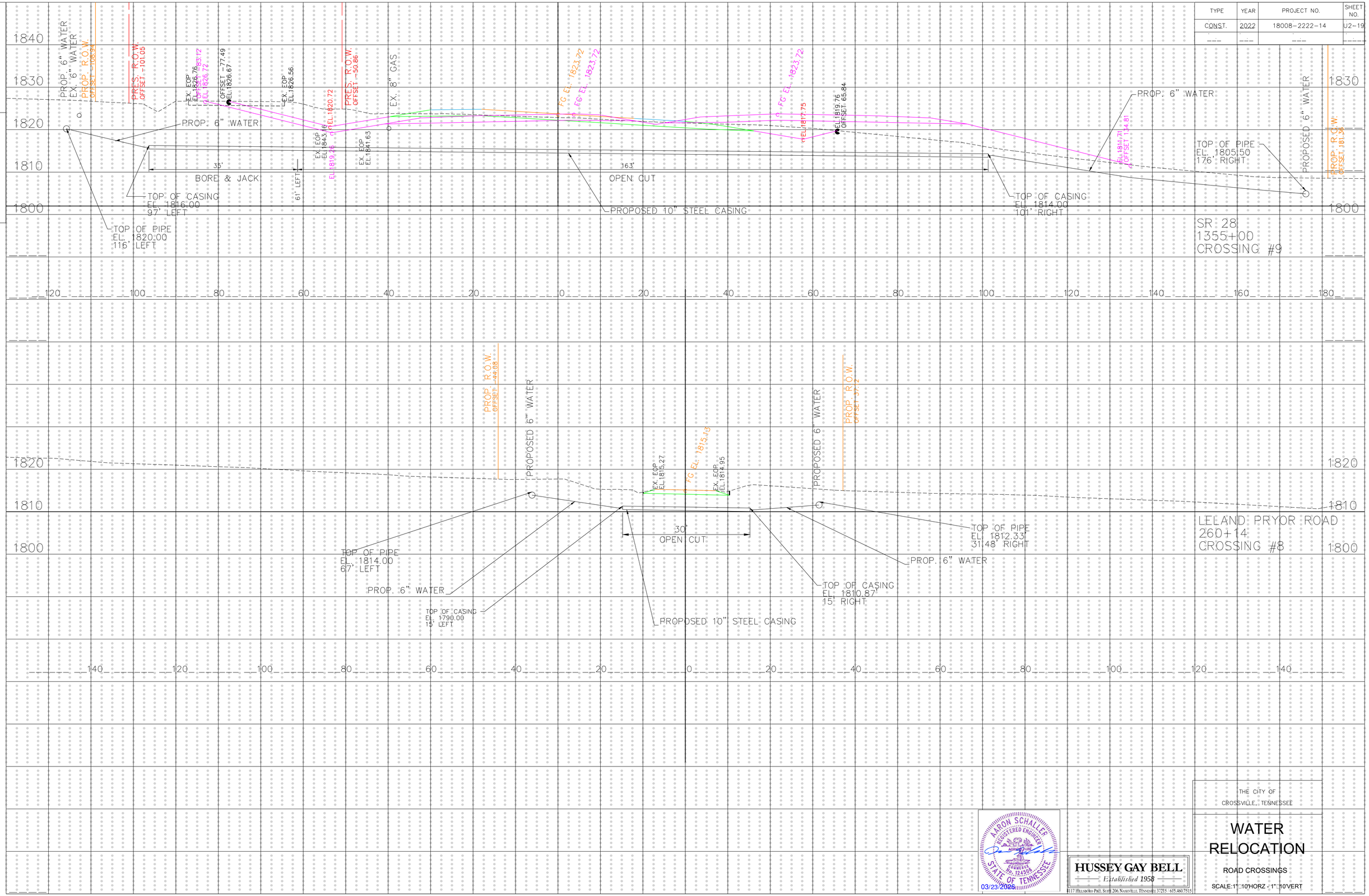
SCALE: 1" 10'HORZ - 1" 10'VERT

HUSSEY GAY BELL
Established 1958
4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO. ---

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2022	18008-2222-14	U2-19



THE CITY OF
CROSSVILLE, TENNESSEE

WATER RELOCATION

ROAD CROSSINGS

SCALE: 1" 10'HORZ - 1" 10'VERT

ARON SCHALLER
REGISTERED ENGINEER
No. 124506
STATE OF TENNESSEE
03/23/2026

HUSSEY GAY BELL
Established 1958
117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2022	18008-2222-14	U2-20

PROP. 6" WATER
TOP OF CASING
EL. 1808.00
201' LEFT
30'
BORE & JACK
TOP OF PIPE
EL. 1808.00
223' LEFT
PRES. R.O.W.
OFFSET -135.06
EL. 1812.27
OFFSET -117.00
EL. 1812.27
EL. 1812.27
OFFSET -59.88
EX. 8" CAS.
EL. 1816.72
PRES. R.O.W.
OFFSET -37.64
EL. 1812.85
EX. 8" CAS.
PRES. R.O.W.
OFFSET 3.20
EL. 1816.72
PROP. 6" WATER
EL. 1818.12
OFFSET 72.57
EL. 1812.60
TOP OF PIPE
EL. 1814.00
87' RIGHT
PROP. 6" WATER
225'
OPEN CUT
PROPOSED 10" STEEL CASING
TOP OF CASING
EL. 1809.00
53' RIGHT
SR 28
1379+50
CROSSING #12

PROP. 6" WATER
PROP. R.O.W.
OFFSET -24.83
PROPOSED 6" WATER
PRES. R.O.W.
OFFSET -10.26
PRES. R.O.W.
OFFSET 9.74
PROP. R.O.W.
OFFSET 26.85
EX. 2" WATER
PROPOSED 6" WATER
EL. 1824.00
42' LEFT
TOP OF PIPE
EL. 1827.00
41' RIGHT
PROP. 6" WATER
TOP OF CASING
EL. 1821.00
15.81' LEFT
30'
OPEN CUT
TOP OF CASING
EL. 1821.00
14.19' RIGHT
PROPOSED 10" STEEL CASING
CONLEY ROAD
292+50
CROSSING #11

PROP. R.O.W.
OFFSET -47.82
PROPOSED 6" WATER
EX. 4" WATER
OFFSET -37.33
EL. 1829.37
PRES. R.O.W.
OFFSET -27.63
EL. 1824.68
EX. 2" GAS
PRES. R.O.W.
OFFSET 22.33
EL. 1824.62
EL. 1828.90
OFFSET 35.87
PROP. R.O.W.
OFFSET 48.04
TOP OF PIPE
EL. 1826.00
48' LEFT
PROP. 6" WATER
TOP OF CASING
EL. 1820.70
24' LEFT
48'
OPEN CUT
TOP OF PIPE
EL. 1825.90
36' RIGHT
TOP OF CASING
EL. 1820.70
24' RIGHT
PROPOSED 10" STEEL CASING
PROP. 6" WATER
CLEAR CREEK ROAD
277+50
CROSSING #10

AARON SCHALLER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 124598
STATE OF TENNESSEE
03/23/2026

THE CITY OF
CROSSVILLE, TENNESSEE

WATER RELOCATION

ROAD CROSSINGS

SCALE: 1" 10'HORZ - 1" 10'VERT

HUSSEY GAY BELL
Established 1958
1117 Hillsboro Pike, Suite 206 Nashville, Tennessee 37215 | 615.460.7515

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2022	18008-2222-14	U2-21

PROPOSED 6" WATER
PRES. R.O.W. OFFSET -167.97
PROP. R.O.W. OFFSET -169.91
EX. 6" WATER
OFFSET -87.28 EL. 1829.99
PRES. R.O.W. OFFSET -70.28
EL. 1819.42
FG EL. 1823.16
SIDEROAD ** OFFSET 12.00
PRES. R.O.W. OFFSET 66.95
PRES. R.O.W. OFFSET 101.71
EX. 8" GAS
TOP OF PIPE EL. 1823.00 108' RIGHT
TOP OF PIPE EL. 1831.00 116' RIGHT
PROP. 6" WATER
TOP OF PIPE EL. 1818.00 175' LEFT
TOP OF CASING EL. 1814.00 136' LEFT
27' BORE & JACK
109' LEFT
PROPOSED 10" STEEL CASING
159' OPEN CUT
TOP OF CASING EL. 1816.00 50' RIGHT
PROPOSED 6" WATER
SR. 28 1428+50 CROSSING #16

PROP. R.O.W. OFFSET -37.21
PROP. 6" WATER
EX. 8" GAS
FG EL. 1825.47
PROP. R.O.W. OFFSET 30.95
PROP. 6" WATER
TOP OF PIPE EL. 1820.86 19.84' RIGHT
TOP OF PIPE EL. 1824.86 31.29' LEFT
PROP. 6" WATER
TOP OF CASING EL. 1821.81 14.10' LEFT
28' OPEN CUT
PROPOSED 10" STEEL CASING
TOP OF CASING EL. 1821.71 13.90' RIGHT
HOLLOW LANE 313+50 CROSSING #15

ROAD CROSSING # 14 MOVED TO SHEET U2-24

ROAD CROSSING # 13 MOVED TO SHEET U2-23

AARON SCHALLER REGISTERED ENGINEER 124456 STATE OF TENNESSEE 03/23/2026

THE CITY OF CROSSVILLE, TENNESSEE

WATER RELOCATION

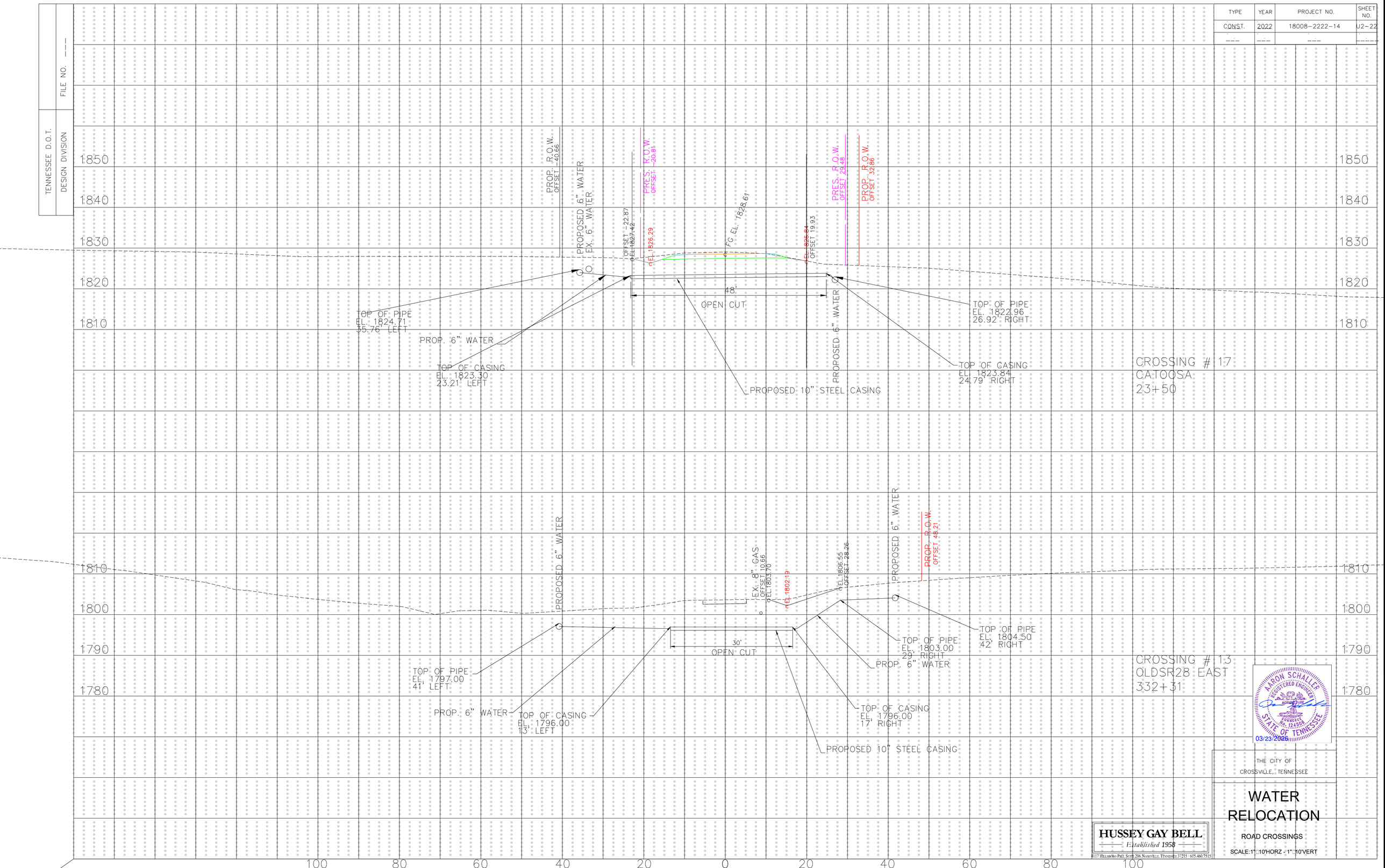
ROAD CROSSINGS

SCALE: 1" 10'HORZ - 1" 10'VERT

HUSSEY GAY BELL
Established 1958
1117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 - 615.460.7515

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2022	18008-2222-14	U2-22

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



AARON SCHALLER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 124508
STATE OF TENNESSEE
03/23/2026

THE CITY OF
CROSSVILLE, TENNESSEE

WATER RELOCATION

ROAD CROSSINGS

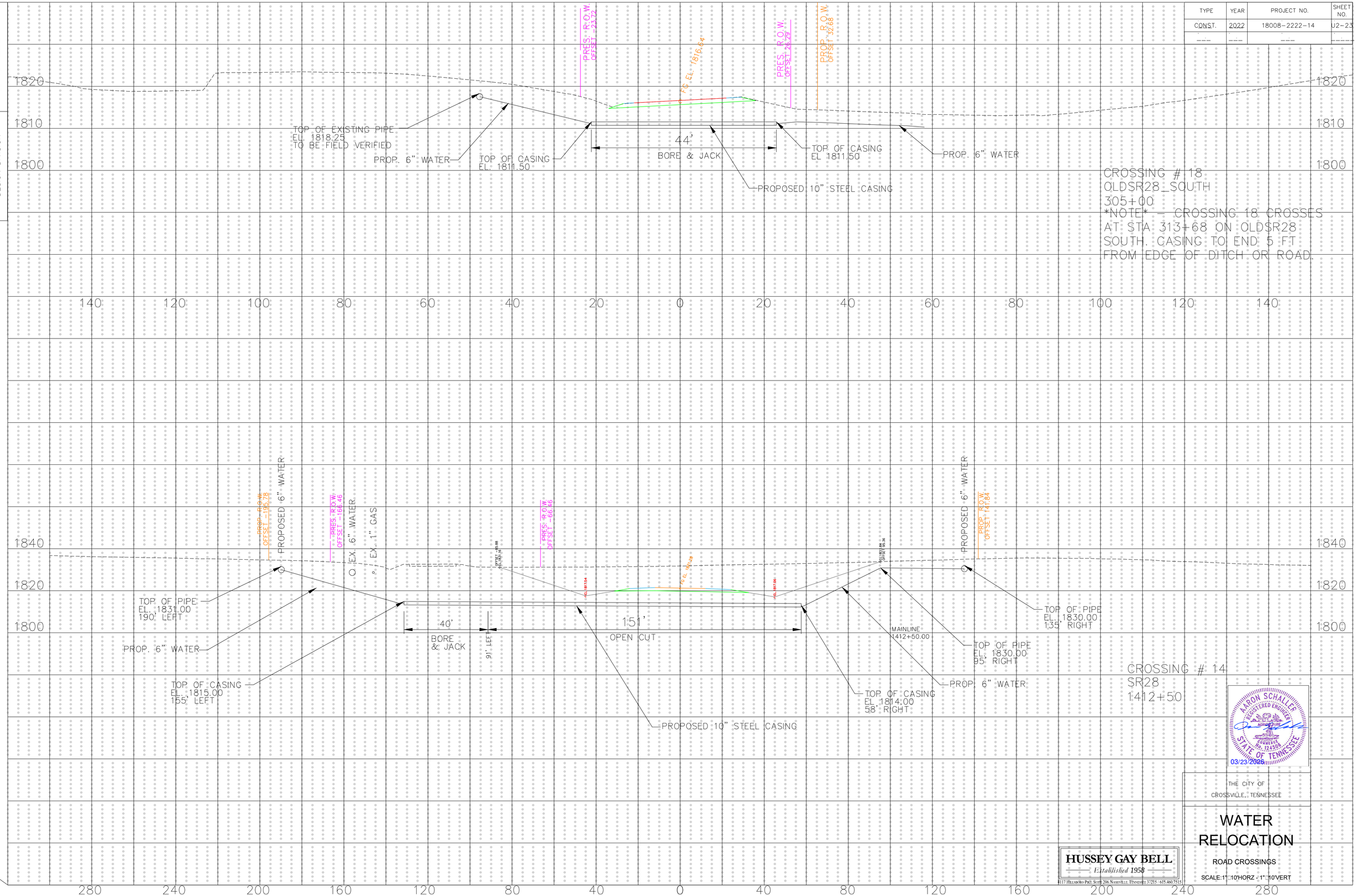
SCALE: 1" 10'HORZ - 1" 10'VERT

HUSSEY GAY BELL
Established 1958
4117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 / 615.460.7515

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO. ---

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2022	18008-2222-14	U2-23



AARON SCHALLER
REGISTERED ENGINEER
No. 124558
STATE OF TENNESSEE
03/23/2026

THE CITY OF
CROSSVILLE, TENNESSEE

WATER RELOCATION

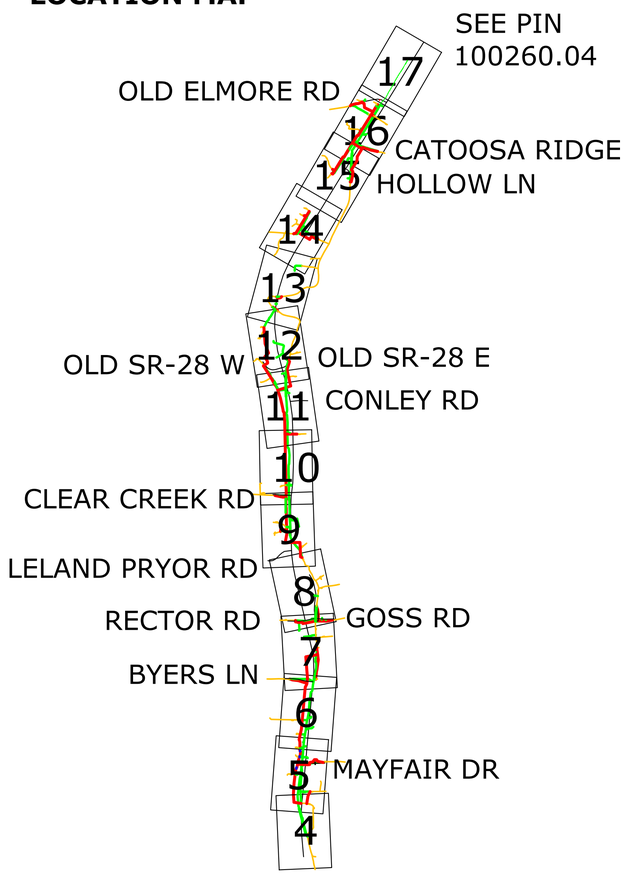
ROAD CROSSINGS

SCALE: 1" 10'HORZ - 1" 10'VERT

HUSSEY GAY BELL
Established 1958
1117 Hillsboro Pike, Suite 206, Nashville, Tennessee 37215 · 615.460.7515

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-2
		100260.03	

LOCATION MAP



UTILITIES INDEX

SHEET NAME			SHEET NUMBER
INDEX, LEGEND, CONTACT, MAP			U3-2
ESTIMATED UTILITY QUANTITIES & ENVIRONMENTAL NOTES			U3-3
BEGINNING OF PROJECT TO STA. 1290+00			U3-4
STA. 1290+00 TO STA. 1303+00			U3-5
STA. 1303+00 TO STA. 1316+00			U3-6
STA. 1316+00 TO STA. 1329+00			U3-7
STA. 1329+00 TO STA. 1342+00			U3-8
STA. 1342+00 TO STA. 1355+00			U3-9
STA. 1355+00 TO STA. 1367+50			U3-10
STA. 1367+50 TO STA. 1380+50			U3-11
STA. 1380+50 TO STA. 1393+00			U3-12
STA. 1393+00 TO STA. 1406+00			U3-13
STA. 1406+00 TO STA. 1419+00			U3-14
STA. 1419+00 TO STA. 1431+50			U3-15
STA. 1431+50 TO STA. 1442+00			U3-16
STA. 1442+00 TO STA. 1442+95	END	100260.03	U3-17
	BEGIN	100260.04	
CROSSING PROFILES			U3-18-20

Middle Tennessee Natural Gas Main Contact:
Matt Stennett, P.E.
Vice President - Engineering
931-754-3515
mstennett@mtng.com

LEGEND

- EXISTING GAS PIPE TO REMAIN IN PLACE
- EXISTING GAS PIPE TO BE RETIRED IN PLACE
- EXISTING GAS PIPE TO BE REMOVED AND DISPOSED
- PROPOSED NEW GAS PIPE
- TDOT PROPOSED RCP & BOX CULVERTS
- TDOT WATER FEATURES

MATTHEW C STENNETT
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 112458
STATE OF TENNESSEE
11/4/25

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT
WWW.MTNG.COM

GAS LINE
RELOCATION PLANS

INDEX, LEGEND,
CONTACT, MAP

03/26/2026

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-3
		100260.03	

REV 3/26: ADDED UTILITY DECONFLICTION NOTE

Utility Relocation Notes for Utility Relocations Within TDOT Contracts

1. Rain water which collects in the utility trench shall be pumped into a temporary dewatering structure or filter bag.
2. Silt fence to be installed on the downstream side of all stockpiled soil. Trenching across wet weather conveyances to be done during no flow conditions and stabilized by the end of the work day.
3. Utility crossings for perennial streams shall be constructed in accordance with TDOT Standards, and no work shall be conducted in flowing waters. Tennessee Department of Environment and Conservation (TDEC) Regulations apply to the Utilities in this project in regard to Erosion Control as well as all Water Quality Permits received. The Utility Contractor shall comply with all requirements of the Water Quality Permits and the Storm Water Pollution Prevention Plan. The Utility Contractor is only responsible for erosion control measures for utility construction that is included in the State contract work.
4. It is the responsibility of the Utility Contractor to protect from erosion exposed earth resulting from his operations and to provide for containment of sediment that may result from his work. Prior to beginning work, adequate measures must be in place to trap any sediment that may travel off-site in the event of rain. During the progression of his work, exposed earth areas shall be stabilized as soon as possible to prevent erosion. At no time shall exposed earth resulting from his operations have unprotected access to flowing off-site and becoming waters of the State.
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 7 days after backfilled. Any temporary spoil pile of excavated earth shall be located within the installed TDOT Right-Of-Way erosion control measures or receive separate erosion control measures from the approved TDOT standard drawings. If trenches are not backfilled overnight, appropriate erosion control measures will be installed by the Utility Contractor until such time the trench is backfilled.
6. Trenches formed for the installation of buried utilities may cause storm water runoff to concentrate at the trenchline. If this is anticipated additional erosion control measures (such as check dams, hay bales, EC blankets) shall be installed from the approved TDOT standard drawings.
7. For the installation of underground utilities outside of the highway Right-Of-Way, additional temporary erosion prevention and sediment control measures shall be installed prior to clearing (trenching and associated blasting) in those areas necessary to prevent sediment from leaving the construction area. These erosion prevention and sediment control measures shall remain until the backfilled trench is stabilized with final vegetative cover.
8. The contractor shall restore all affected wet weather conveyances to the existing topographic conditions (as required by the State Engineer).
9. The Utility Contractor will provide appropriate erosion control measure to replace in-place erosion control measures removed to facilitate the installation of utilities. Replacement erosions control measures will be coordinated with the State Engineer before commencing work.

UTILITY DECONFLICTION NOTE:

* IF PROPOSED GAS MAIN CROSSES EXISTING WATER MAIN, GAS WILL CROSS WITH 2' MIN SEPARATION UNDER EXISTING WATER
* IF PROPOSED WATER MAIN CROSSES EXISTING GAS MAIN, WATER WILL CROSS WITH 2' MIN SEPARATION UNDER EXISTING GAS
* IF PROPOSED WATER MAIN CROSSES PROPOSED GAS MAIN, WATER WILL CROSS WITH 2' MIN SEPARATION UNDER PROPOSED GAS
* "EXISTING" IS DEFINED AS "EXISTING PRIOR TO PROJECT LET DATE TO REMAIN IN PLACE"

ESTIMATED UTILITY QUANTITIES

Project No. 1: 18008-3230-14

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	% Utility Betterment	%Project Public	%Project Private	Footnote
791-03.01	<2IN HDPE GAS MAIN	L.F.	782	0.00%	26.00%	74.00%	1
791-03.02	2IN HDPE GAS MAIN	L.F.	6,430	0.00%	26.00%	74.00%	1
791-03.06	8IN HDPE GAS MAIN	L.F.	10,280	0.00%	26.00%	74.00%	1
791-04.01	HDD <2IN PE PIPE - UNCONSOLIDATED	L.F.	83	0.00%	26.00%	74.00%	2
791-04.02	HDD 2IN PE PIPE - UNCONSOLIDATED	L.F.	762	0.00%	26.00%	74.00%	2
791-04.06	HDD 8IN PE PIPE - UNCONSOLIDATED	L.F.	710	0.00%	26.00%	74.00%	2
791-06.05	CONNECT TO 8IN EX. PE MAIN	EACH	9	0.00%	26.00%	74.00%	4
791-06.51	2IN PE HOT TAP CONNECTION	EACH	14	0.00%	26.00%	74.00%	4
791-07.04	8IN PE GAS VALVE ASSEMBLY	EACH	1	0.00%	26.00%	74.00%	5
791-08.40	RECONNECT SERVICE ASSEMBLY	EACH	29	0.00%	26.00%	74.00%	6
791-08.41	GAS MAIN REMOVE & DISPOSE OF	L.F.	2,978	0.00%	26.00%	74.00%	6

FOOTNOTE 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, COUPLING, 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, AND ANY OTHER LABOR OR MATERIAL REQUIRED TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS.

FOOTNOTE 2:

INCLUDES ALL MATERIALS, LABOR, EQUIPMENT, AND TRAFFIC CONTROL, INCLUDING BUT NOT LIMITED TO FLUID CONTAINMENT FOR COMPLETE HORIZONTAL DIRECTIONAL DRILLING INSTALLATION OF CASING PIPE OR UNCASED CARRIER PIPE IN BOTH UNCONSOLIDATED SOIL OR ROCK. STEEL PIPE ALSO INCLUDES SPECIAL COATING AS SPECIFIED ON PLANS AND SPECS. IF CASING PIPE HAS CARRIER PIPE, THE CARRIER PIPE SHALL BE PAID AT THE OPEN CUT ITEM PRICE.

FOOTNOTE 4:

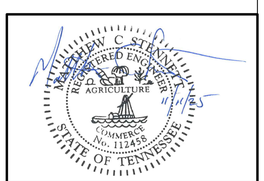
INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT, NECESSARY FOR CONNECTING TO EXISTING GAS LINE INCLUDING TRAFFIC CONTROL.

FOOTNOTE 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.

FOOTNOTE 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.



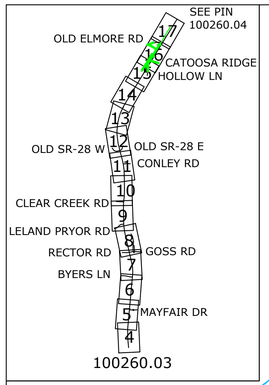
MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT
WWW.MTND.COM

GAS LINE RELOCATION PLANS

ESTIMATED UTILITY QUANTITIES & ENVIRONMENTAL NOTES

03/26/2026

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-4
		100260.03	



LOCATION MAP

ORDER OF OPERATIONS:

INSTALL NEW MAINS, PRESSURIZE BOTH OLD AND NEW MAINS, THEN RECONNECT INDIVIDUAL SERVICE LINES BEFORE DEPRESSURIZING MAINS TO BE RETIRED.

COORDINATE WITH MTNG PERSONNEL TO RE-LIGHT INDIVIDUAL CUSTOMERS AS REQUIRED.

UNNAMED TRIBUTARY

POND

TRAIL

1280

1285

1290

PIN 100260.03
BEGIN PROJ. NO. STP/NH/HPP-28(32);
18008-3226-14 (CONST.)
STA. 1282+00.00 S.R. 28
N: 635100.2403
E: 2245126.0239

PROP. ROW (BY OTHERS)

PERM. DRAINAGE ESMT. (BY OTHERS)

19 HUEL S. NEAL AND WIFE HATTIE

24 DENNIS LEE BRANSTETTER AND WIFE MARGARET

DENNIS BRANSTETTER AND MARGARET

TANK

GAR.

1-FR. RES.

1-FR. SHED

SHED

P/T

P/T/CATV

P/CATV

8" HDPE HAS BEEN PURGED, CUT, CAPPED & RETIRED IN PLACE AS PART OF PREVIOUS PROJECT. REMOVE AND DISPOSE OF 560' OF 8" HDPE AS NEEDED STA 1284+50 TO 1290+00

TOP OF CUT

TOE OF FILL

FUTURE CENTERLINE

8" G

POND
PND-1

MATCH LINE STA. 1290+00 SEE SHEET NO. U3-5

WH

GRASS

2" G

EXISTING 8" HDPE TO REMAIN IN PLACE

EXISTING 3/4" HDPE TO REMAIN IN PLACE

PIN 100260.03
BEGIN PROJ. NO. STP/NH/HPP-28(32);
18008-2226-14 (R.O.W.)
STA. 1286+53.01 S.R. 28
N: 635551.9504
E: 2245093.2012

1-FR. BARN

23 JOHN ALEXANDER TEEPLE

22 DEANN J. STONE, MELISSA GAIL STACK & TRACEY LEVON BALDWIN

TR. RES.

BETTY MYERS

MATTHEW C. STANNARD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 112458
STATE OF TENNESSEE

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT
WWW.MTNG.COM

GAS LINE RELOCATION PLANS

BEGINNING OF PROJECT TO STA.1290+00

SCALE: 1"=50'

03/26/2026

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-5
		100260.03	

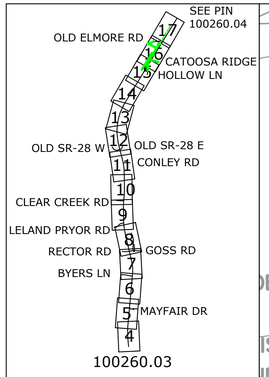
REV 3/26: CHANGED ROW AND PROPOSED GAS AROUND TRACT 33, 37

PHASING NOTE: EXISTING GAS FROM STA 1300+00 TO 1304+25 WILL MOST LIKELY NEED TO REMAIN IN PLACE UNTIL TRAFFIC IS MOVED OFF OF EXISTING SR-28

ORDER OF OPERATIONS:

INSTALL NEW MAINS, PRESSURIZE BOTH OLD AND NEW MAINS, THEN RECONNECT INDIVIDUAL SERVICE LINES BEFORE DEPRESSURIZING MAINS TO BE RETIRED.

COORDINATE WITH MTNG PERSONNEL TO RE-LIGHT INDIVIDUAL CUSTOMERS AS REQUIRED.



LOCATION MAP

INSTALL 8" HDPE BY HDD UNDER EXISTING SR-28 CROSS UNDER EXISTING WATER LINE WITH 2' MIN SEPARATION ON WEST SIDE OF SR-28 SEE PROFILE

INSTALL 8" FROM STA 1291+14 TO STA 1298+50 +/- 5' INSIDE ROW TO AVOID EXISTING WATER LINE.

INSTALL 1,197' 8" HDPE BY FUSION WITH 3' MINIMUM COVER EXCEPT WHERE NOTED

TIE EXISTING 1/2" HDPE TO NEW 8" HDPE WITH 3/4" TAPPING TEE; & EFV; 3/4" X 1/2" REDUCER USING HEAT FUSION

MAYFAIR STA. 180+36.00 = MAINLINE STA. 1299+55.00
N 636849.9398
E 2245185.3912

CROSS UNDER EXISTING WATER 2' MIN SEP. INSTALL +/- 11' INSIDE ROW

INSTALL 2" TAP TEE USING HEAT FUSION; 2" HDPE

INSTALL NEW 8" PE VALVE #5672 CONFIRM LOCATION WITH MTNG

TIE NEW 8" HDPE TO EXISTING 8" HDPE WITH SQUEEZE OFF AND HEAT OR ELECTROFUSION INSTALL 150' OF 8" HDPE

INSTALL 2" HDPE BY HDD ACROSS EXISTING SR-28 SEE PROFILE

INSTALL NEW 8" UNDER EXISTING WATER MAIN WITH 2' MIN SEPARATION

8" HDPE TO BE PURGED, CUT, CAPPED & RETIRED IN PLACE

8" HDPE HAS BEEN PURGED, CUT, CAPPED & RETIRED IN PLACE AS PART OF PREVIOUS PROJECT

EXISTING 8" VALVE #5672 TO BE REMOVED AND RETURNED TO MTNG STOCK

2" HDPE TO BE PURGED; CUT, CAPPED, RETIRED IN PLACE

1/2" HDPE SERVICES (2) HAVE BEEN PURGED, CUT, CAPPED & RETIRED IN PLACE AS PART OF PREVIOUS PROJECT

VEC TO STAKE PROPOSED POLE; ADJUST LOCATION OF 2" HDPE TO MAINTAIN MIN 3' SEPARATION

TIE TO EXISTING 3/4" USING 2" X 3/4" REDUCER, SQUEEZE OFF & HEAT FUSION

EXISTING 3/4" HDPE TO REMAIN IN PLACE

EXISTING 1" HDPE TO BE PURGED, CUT, CAPPED & RETIRED IN PLACE

INSTALL 2" HDPE AROUND GRADED ROCK OPEN CUT ACROSS STR-1 / WTL-3

EXISTING 8" HDPE ACROSS WTL-1 TO REMAIN IN PLACE

INSTALL 2" TAP TEE USING HEAT FUSION; INSTALL 254' OF 2" HDPE OUTSIDE ROW TO EXISTING 3/4" HDPE. THIS IS A MAIN: NO EFV

INSTALL 550' 2" HDPE 5' OUTSIDE SLOPE LINE AND 5' INSIDE ROW LINE WITH 3' COVER UNLESS NOTED

TIE NEW 2" HDPE TO EXISTING 1" HDPE WITH SQUEEZE OFF & HEAT FUSION AND 2 X 1 REDUCER

EXISTING 1" HDPE TO REMAIN IN PLACE

TOE OF FILL
TOP OF CUT
FUTURE CENTERLINE
MATCH LINE STA. 1290+00 SEE SHEET NO U3-4
MATCH LINE STA. 1303+00 SEE SHEET NO U3-6
UNNAMED TRIBUTARY
STR-1
WTL-1
WTL3
POND
TO BE REMOVED 21 LF OF 18"CMP
TRAIL
GRASS
1-BR. RES.
1-METAL SHED
AVRON TRUSS CO.
VAN A. LOCKE AND WIFE GEORGIA B.
GEORGIA LOCKE
DENNIS LEE BRANSTETTER AND WIFE MARGARET
LINDA L. PRICHETT
PHILIP J. COUDRIET AND WIFE TERRI L.
JAMES M. WICKER AND WIFE RENEE J.
JOHN ALEXANDER TEEPLE
GENE BEYER AND WIFE LENOR .A
CAROLYN LIGGETT AND WILMA WILLIAMS
MAYFAIR DR

SEE SHEET U2-18 FOR CROSSING PROFILES

03/26/2026

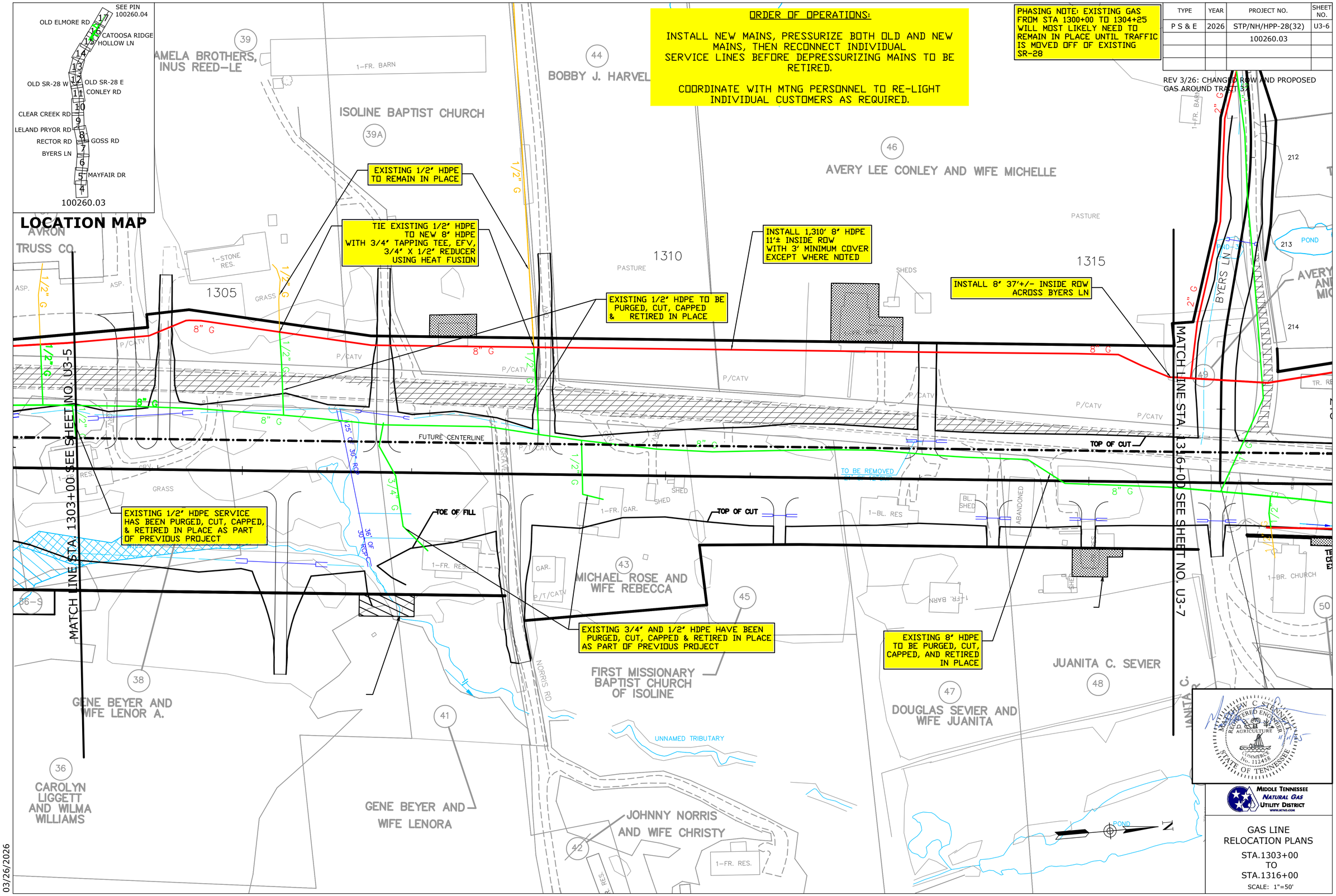
MATTHEW C. STANNETT
REGISTERED ENGINEER
AGRICULTURE
No. 112455
STATE OF TENNESSEE

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT
WWW.MTNG.COM

GAS LINE RELOCATION PLANS

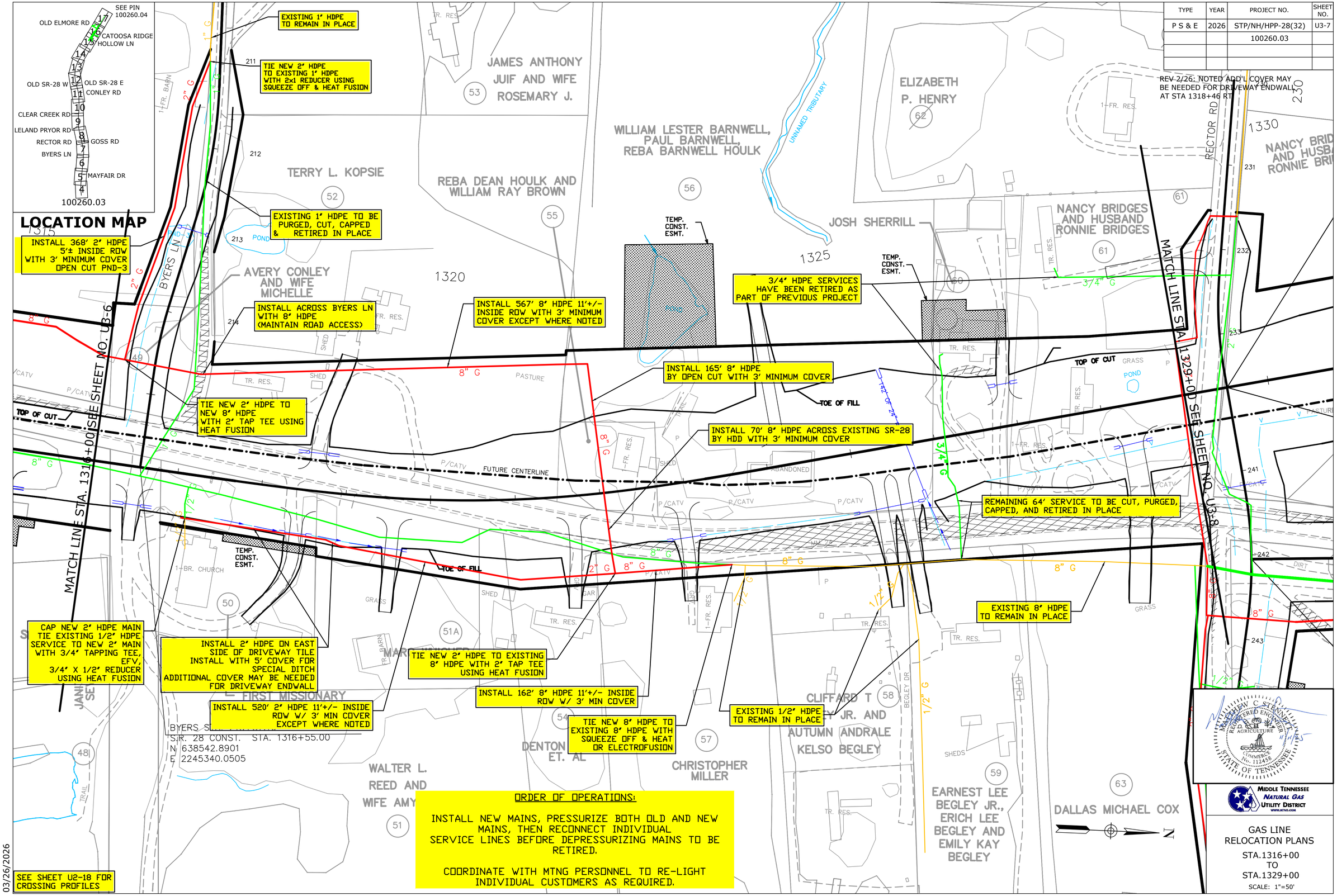
STA.1290+00 TO STA.1303+00

SCALE: 1"=50'



SEE PIN 100260.04
OLD ELMORE RD
CATOOSA RIDGE HOLLOW LN
OLD SR-28 W
OLD SR-28 E
CONLEY RD
CLEAR CREEK RD
LELAND PRYOR RD
RECTOR RD
GOSS RD
BYERS LN
MAYFAIR DR
100260.03
LOCATION MAP
ORDER OF OPERATIONS:
INSTALL NEW MAINS, PRESSURIZE BOTH OLD AND NEW MAINS, THEN RECONNECT INDIVIDUAL SERVICE LINES BEFORE DEPRESSURIZING MAINS TO BE RETIRED.
COORDINATE WITH MTNG PERSONNEL TO RE-LIGHT INDIVIDUAL CUSTOMERS AS REQUIRED.
PHASING NOTE: EXISTING GAS FROM STA 1300+00 TO 1304+25 WILL MOST LIKELY NEED TO REMAIN IN PLACE UNTIL TRAFFIC IS MOVED OFF OF EXISTING SR-28
TYPE | YEAR | PROJECT NO. | SHEET NO.
P S & E | 2026 | STP/NH/HPP-28(32) | U3-6
100260.03
REV 3/26: CHANGED ROW AND PROPOSED GAS AROUND TRACT 37
EXISTING 1/2" HDPE TO REMAIN IN PLACE
TIE EXISTING 1/2" HDPE TO NEW 8" HDPE WITH 3/4" TAPPING TEE, EFV, 3/4" X 1/2" REDUCER USING HEAT FUSION
INSTALL 1,310' 8" HDPE 11'± INSIDE ROW WITH 3' MINIMUM COVER EXCEPT WHERE NOTED
EXISTING 1/2" HDPE TO BE PURGED, CUT, CAPPED & RETIRED IN PLACE
INSTALL 8" 37'+/- INSIDE ROW ACROSS BYERS LN
EXISTING 1/2" HDPE SERVICE HAS BEEN PURGED, CUT, CAPPED, & RETIRED IN PLACE AS PART OF PREVIOUS PROJECT
EXISTING 3/4" AND 1/2" HDPE HAVE BEEN PURGED, CUT, CAPPED & RETIRED IN PLACE AS PART OF PREVIOUS PROJECT
EXISTING 8" HDPE TO BE PURGED, CUT, CAPPED, AND RETIRED IN PLACE
MATCH LINE STA. 1303+00 SEE SHEET NO. U3-5
MATCH LINE STA. 1316+00 SEE SHEET NO. U3-7
AMELA BROTHERS, INUS REED-LE
BOBBY J. HARVEL
ISOLINE BAPTIST CHURCH
AVERY LEE CONLEY AND WIFE MICHELLE
AVRON TRUSS CO.
MICHAEL ROSE AND WIFE REBECCA
FIRST MISSIONARY BAPTIST CHURCH OF ISOLINE
JUANITA C. SEVIER
DOUGLAS SEVIER AND WIFE JUANITA
GENE BEYER AND WIFE LENOR A.
CAROLYN LIGGETT AND WILMA WILLIAMS
GENE BEYER AND WIFE LENORA
JOHNNY NORRIS AND WIFE CHRISTY
FUTURE CENTERLINE
TOP OF CUT
TOE OF FILL
TO BE REMOVED
UNNAMED TRIBUTARY
BYERS LN
NORRIS RD
1305
1310
1315
1-FR. BARN
1-STONE RES.
1-FR. RES.
1-FR. GAR.
1-BL. RES
1-BR. CHURCH
PASTURE
SHEDS
GRASS
P/CATV
8" G
1/2" G
3/4" G
2" G
POND
N
MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT
GAS LINE RELOCATION PLANS
STA.1303+00 TO STA.1316+00
SCALE: 1"=50'

03/26/2026



TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-7
		100260.03	

REV 2/26: NOTED ADD'L COVER MAY BE NEEDED FOR DRIVEWAY ENDWALL AT STA 1318+46 RT

ORDER OF OPERATIONS:

INSTALL NEW MAINS, PRESSURIZE BOTH OLD AND NEW MAINS, THEN RECONNECT INDIVIDUAL SERVICE LINES BEFORE DEPRESSURIZING MAINS TO BE RETIRED.

COORDINATE WITH MTNG PERSONNEL TO RE-LIGHT INDIVIDUAL CUSTOMERS AS REQUIRED.

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT

GAS LINE RELOCATION PLANS

STA.1316+00 TO STA.1329+00

SCALE: 1"=50'

03/26/2026

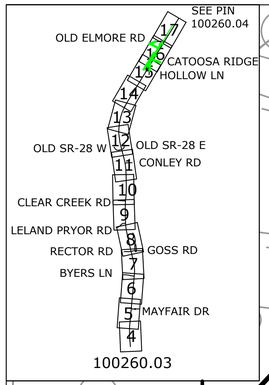
TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-8
		100260.03	

REV 2/3/26: MOVED 2" ALONG RECTOR TO 11' INSIDE ROW; MOVED 2" ALONG GOSS RD TO 11' INSIDE ROW

ORDER OF OPERATIONS:

INSTALL NEW MAINS, PRESSURIZE BOTH OLD AND NEW MAINS, THEN RECONNECT INDIVIDUAL SERVICE LINES BEFORE DEPRESSURIZING MAINS TO BE RETIRED.

COORDINATE WITH MTNG PERSONNEL TO RE-LIGHT INDIVIDUAL CUSTOMERS AS REQUIRED.



LOCATION MAP

EXISTING 2" HDPE TO REMAIN IN PLACE

RECTOR STA. 233+63.78 =
S.R. 28 CONST. STA. 1329+51.00
N 639818.9754
E 2245178.8082

INSTALL 32' 2" HDPE UNDER EXISTING ROAD WITH 4' MINIMUM COVER; SQUEEZE OFF AND TIE TO EXISTING 2" HDPE WITH HEAT FUSION

EXISTING 2" AND 21' 3/4" HDPE ACROSS RECTOR TO BE PURGED, CUT, CAPPED AND RETIRED IN PLACE

3/4" SERVICE HAS BEEN RETIRED BEYOND THIS POINT AS PART OF PREVIOUS PROJECT

INSTALL 175' 2" HDPE 11'± INSIDE ROW WITH EXTRA DEPTH AS REQUIRED FOR CUT SLOPES BETWEEN 232+25 AND 233+00

INSTALL 267' 2" HDPE UNDER EXISTING SR-28 (MUST INSTALL BY HDD), PROPOSED SR-28 (SEE PROFILE)

TIE NEW 8" HDPE TO EXISTING 8" HDPE WITH SQUEEZE OFF & FUSION; TIE NEW 2" HDPE TO NEW 8" HDPE WITH TAP TEE

INSTALL 58' 8" HDPE 11' INSIDE ROW 3' MIN DEPTH

TIE NEW 2" HDPE TO NEW 8" HDPE WITH TAP TEE USING HEAT FUSION

INSTALL 314' 2" HDPE 11'± INSIDE ROW WITH 3' MIN COVER EXCEPT WHERE NOTED

INSTALL 62' 8" HDPE 11'+/- INSIDE ROW WITH 3' MIN COVER

312' OF 8" HDPE TO BE PURGED, CUT, CAPPED, REMOVED, AND DISPOSED FROM STA 1329+00 TO 1332+00

TIE NEW 8" HDPE TO EXISTING 8" HDPE WITH SQUEEZE OFF AND HEAT OR ELECTROFUSION

HDD 8" HDPE UNDER EXISTING/PROP ROADWAY WITH 17' MINIMUM COVER (SEE PROFILE)

INSTALL 64' 8" HDPE UNDER FUTURE DRIVEWAY WITH 12' MINIMUM COVER

EXISTING 1' AND 1/2" HDPE TO BE PURGED, CUT, CAPPED AND RETIRED IN PLACE

INSTALL 76' 8" HDPE INSIDE ROW WITH 3' MINIMUM COVER

EXISTING 1/2" HDPE TO BE PURGED, CUT, CAPPED AND RETIRED IN PLACE

INSTALL WITH 4' COVER ALONG TOP OF CUT SLOPE STA 244+25 TO 245+60 RT

TIE NEW 2" HDPE TO EXISTING 1" HDPE WITH HEAT FUSION AND REDUCER FITTING

EXISTING 1" HDPE TO REMAIN IN PLACE

SEE SHEET U2-18 & U2-19 FOR CROSSING PROFILES

GROSS STA. 240+00.00 =
S.R. 28 CONST. STA. 1329+51.00
N 639818.9754
E 2245178.8082

OLD S.R. 28 SOUTH STA. 300+00.00 =
GROSS STA. 242+05.00
N 639858.3600
E 2245379.7285

EXISTING 1" HDPE TO REMAIN IN PLACE ALONG HENLINE RD

EXISTING 3/4" HDPE TO REMAIN IN PLACE

EXISTING 8" HDPE TO REMAIN IN PLACE

EXISTING 8" VALVE # 5585 TO REMAIN IN PLACE

TOP OF CUT

FUTURE CENTERLINE

TEMP. CONST. ESMT.

MATCH LINE STA. 1329+00 SEE SHEET NO. U3-7

MATCH LINE STA. 1342+00 SEE SHEET NO. U3-9

ELIZABETH P. HENRY

NANCY BRIDGES AND HUSBAND RONNIE BRIDGES

LARRY R. WEST

JEANINE WEST POTTER

JASON S. SHARP

GARY SHARP AND WIFE BRENDA

HOWARD R. GOIN AND CLAUDIA H.

LARRY R. WEST

M.C. DECK JR. AND WIFE ANNA RUTH

M.C. DECK AND WIFE ANNA NELL

GLORIA SMITH AND HUSBAND ROBERT SHERMAN SMIT

KECK AND WIFE LILA F.

CLAYTON BILBREY AND WIFE ELLA

EL COX

RECTOR RD

GOSS RD

HENLINE RD

LELAND PRYOR RD

1330

1335

1340

230

305

245

1-METAL BARN

2-FR. RES.

1-BR. RES.

GAR.

POND

BARN

SHED

GRV.

GRASS

DIRT

P/T/CATV

CATV

FENCE

TRAV

MATTHEW C. STENNETT
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 112458
STATE OF TENNESSEE

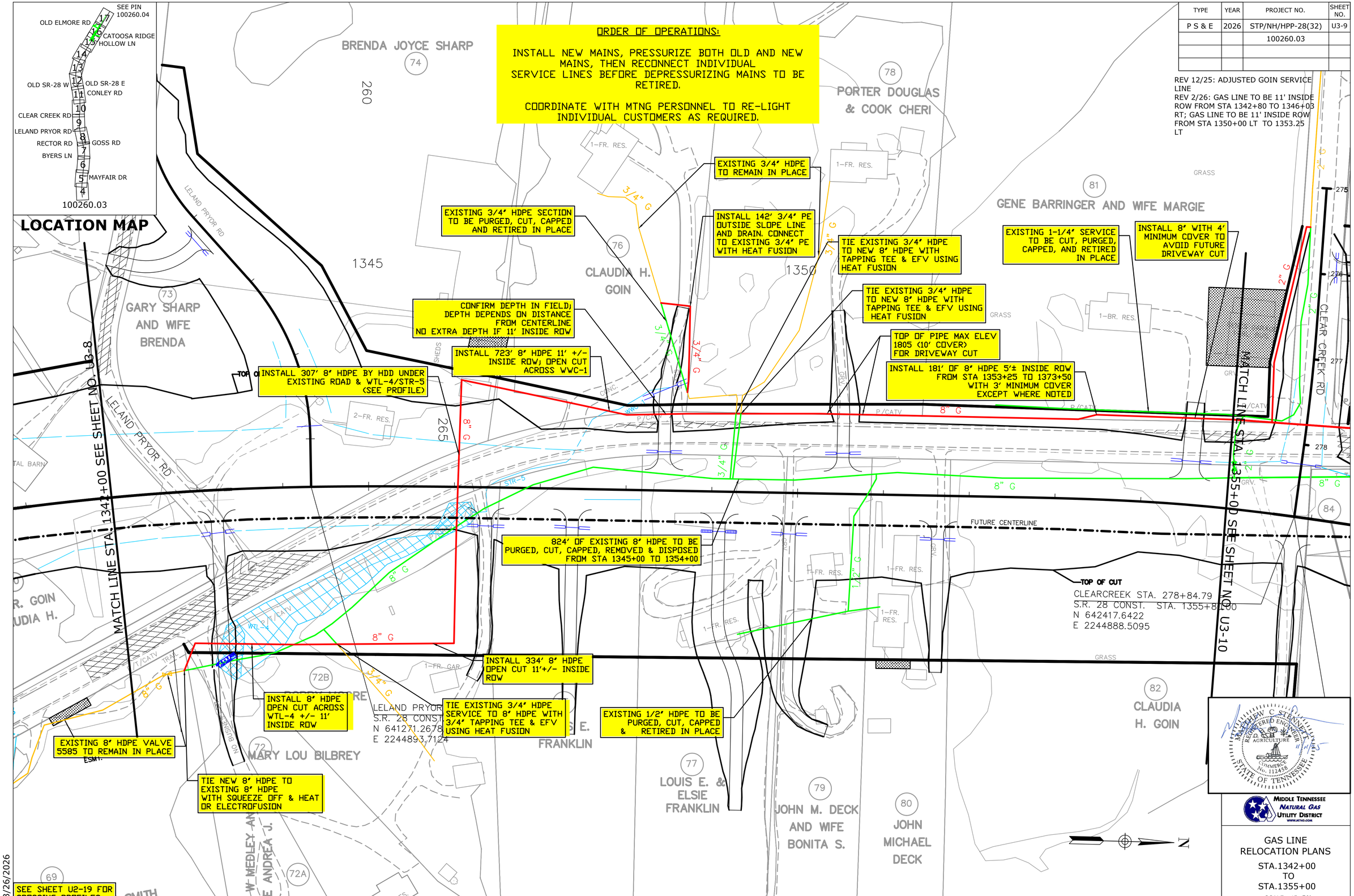
MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT
WWW.MTND.COM

GAS LINE RELOCATION PLANS

STA.1329+00
TO
STA.1342+00

SCALE: 1"=50'

03/26/2026



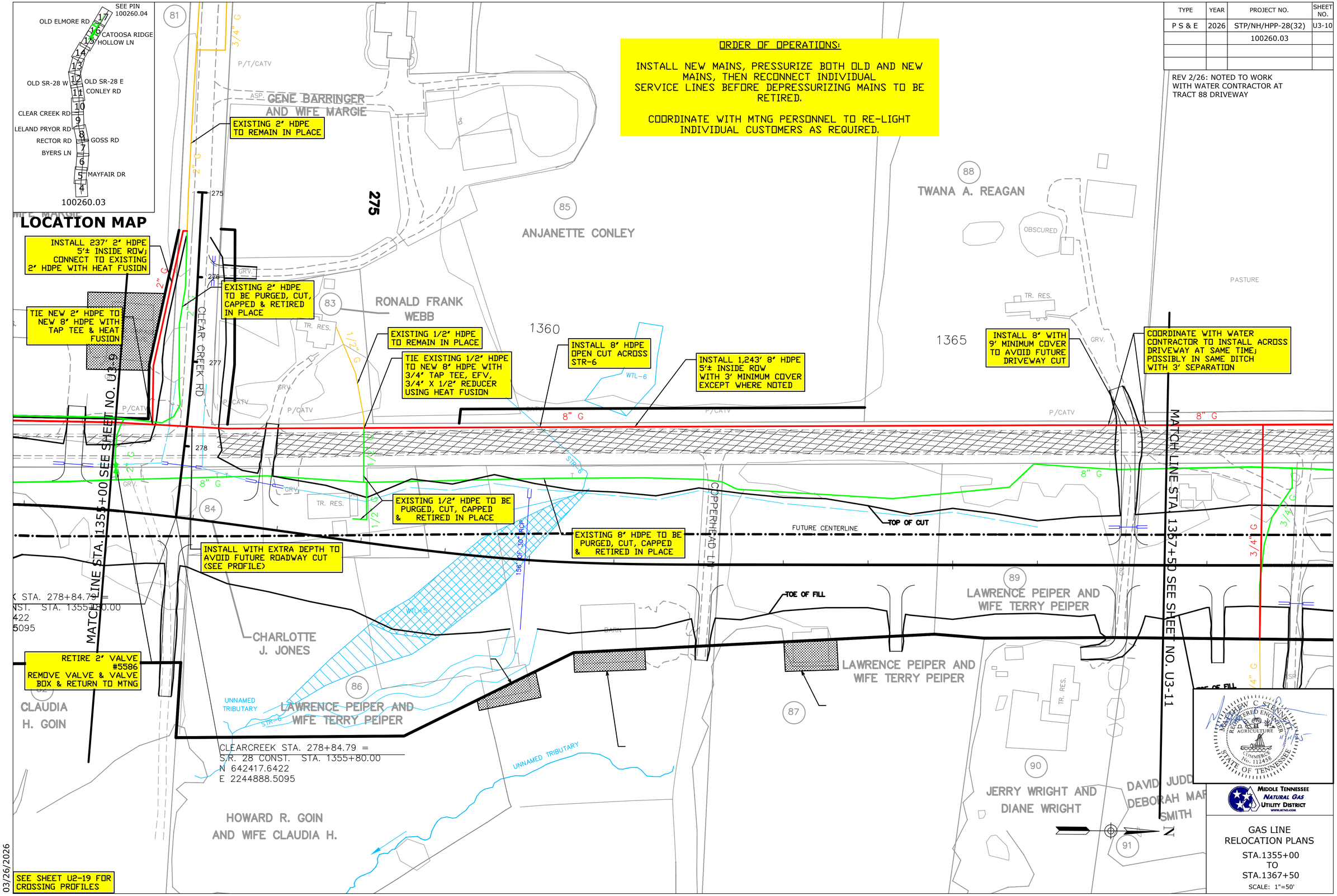
TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-9
		100260.03	

REV 12/25: ADJUSTED GOIN SERVICE LINE
REV 2/26: GAS LINE TO BE 11' INSIDE ROW FROM STA 1342+80 TO 1346+03 RT; GAS LINE TO BE 11' INSIDE ROW FROM STA 1350+00 LT TO 1353.25 LT

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT

GAS LINE RELOCATION PLANS
STA.1342+00 TO STA.1355+00
SCALE: 1"=50'

03/26/2026



TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-10
		100260.03	

REV 2/26: NOTED TO WORK WITH WATER CONTRACTOR AT TRACT 88 DRIVEWAY

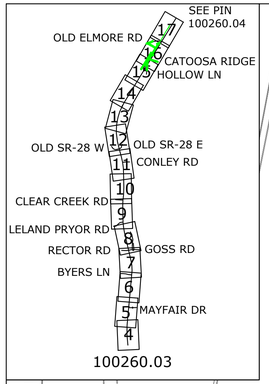
MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT

GAS LINE RELOCATION PLANS

STA.1355+00 TO STA.1367+50

SCALE: 1"=50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-11
		100260.03	



LOCATION MAP

ORDER OF OPERATIONS:

INSTALL NEW MAINS, PRESSURIZE BOTH OLD AND NEW MAINS, THEN RECONNECT INDIVIDUAL SERVICE LINES BEFORE DEPRESSURIZING MAINS TO BE RETIRED.

COORDINATE WITH MTNG PERSONNEL TO RE-LIGHT INDIVIDUAL CUSTOMERS AS REQUIRED.

CONLEY STA. 290+36.03 =
S.R. 28 CONST. STA. 1375+46.00
N 644378.0352
E 2244868.7341

CONNECT NEW 3/4" HDPE SERVICE TO NEW 8" HDPE MAIN WITH 3/4" TAPPING TEE & EFV USING HEAT FUSION

INSTALL 8" HDPE WITH 3' MINIMUM COVER EXCEPT WHERE NOTED 5'+/- INSIDE ROW UNTIL STATION 1373+50

INSTALL 8" HDPE WITH 5' MINIMUM COVER FOR FUTURE DRIVEWAY CUTS

INSTALL 1,049' 8" HDPE WITH 3' MINIMUM COVER EXCEPT WHERE NOTED NOTE: EXISTING WATER IS 11' INSIDE ROW FROM STA 1373+50 TO 1380+00. INSTALL WITH 5' SEPARATION, 17'+/- INSIDE ROW

INSTALL 2" HDPE 20'± INSIDE ROW WITH 3' MINIMUM COVER EXCEPT WHERE NOTED STAY NE OF EXISTING WATER

TIE NEW 2" HDPE MAIN TO NEW 8" HDPE MAIN WITH 2" TAPPING TEE USING HEAT FUSION

INSTALL 223' 2" HDPE 5'± INSIDE ROW WITH 3' MINIMUM COVER EXCEPT WHERE NOTED OPEN CUT STR-7 STAY NE OF EXISTING WATER

EXISTING 1" HDPE TO BE PURGED, CUT, CAPPED, & RETIRED IN PLACE

INSTALL 282' 8" HDPE SEE PROFILE

INSTALL 252' 3/4" HDPE; SEE PROFILE FOR DETAILS

EXISTING 8" HDPE TO BE PURGED, CUT, CAPPED & RETIRED IN PLACE

EXISTING 3/4" HDPE TO BE PURGED, CUT, CAPPED & RETIRED IN PLACE

TIE NEW 3/4" HDPE TO EXISTING 3/4" HDPE USING SQUEEZE OFF & HEAT FUSION

392' OF EXISTING 8" HDPE TO BE PURGED, CUT, CAPPED, REMOVED, & DISPOSED STATION 1376+50 TO 1380+50

EXISTING 1/2" HDPE HAS BEEN PURGED, CUT, CAPPED & RETIRED IN PLACE AS PART OF PREVIOUS PROJECT

INSTALL 194' 8" HDPE 11'± INSIDE ROW WITH 3' MINIMUM COVER EXCEPT WHERE NOTED

INSTALL 8" HDPE WITH 4' MIN COVER FOR PROPOSED DRIVEWAY CUT

EXISTING 3/4" HDPE TO REMAIN IN PLACE

TOE OF FILL

TOP OF CUT

TO BE REMOVED 41' OF 20"RCP

MATCH LINE STA. 1367+50 SEE SHEET NO. U3-10

MATCH LINE STA. 1380+50 SEE SHEET NO. U3-12

SEE SHEET U2-19 FOR CROSSING PROFILES

OLD S.R. 28 WEST
S.R. 28 CONST.
N 645080.8229
E 2244691.3426

PASTURE
LAKE
PALMA STOUT
JOSHUA CASTLEN
DAVID JUDD OR DEBORAH MARIE SMITH
MURRELL THOMAS BRADY
JAMES C. HOWARD AND WIFE EMMA J.
GROVER ATKINSON AND WIFE WANDA
JAMES HOWE AND WIFE LILLIAN B.
FUTURE CENTERLINE
LOCATION UNKNOWN
INV-1822.39
INV-1822.62
24" OF 8"PLASTIC

MATTHEW C STEWART
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 112458
STATE OF TENNESSEE

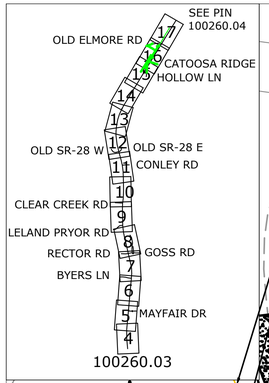
MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT
WWW.MTNG.COM

GAS LINE RELOCATION PLANS
STA.1367+50 TO STA.1380+50
SCALE: 1"=50'

03/26/2026

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-12
		100260.03	

LOCATION MAP



PHASING NOTE:
3/4" SERVICE TO TRACTS 102 AND 104 WILL BE DISCONNECTED EARLY IN PROJECT DUE TO HAUL ROAD CONSTRUCTION. NEW 2" PE WILL NEED TO BE INSTALLED BACK TO WEST SIDE OF OLD SR-28 WEST AND CONNECTED TO THE EXISTING MAIN (EXACT LOCATION UNKNOWN) EARLY IN PROJECT TO CONTINUE SERVICE TO 102 AND 104.

REV 2/26: CHANGE 8" ALONG OLD SR-28 EAST

TIE EXISTING 1/2" HDPE TO NEW 2" HDPE WITH 3/4" TAPPING TEE & EFV USING HEAT FUSION

EXISTING 3/4" HDPE TO REMAIN IN PLACE

EXISTING 3/4" HDPE TO REMAIN IN PLACE
TEMP. CONST. ESMT.

TIE EXISTING 3/4" HDPE TO NEW 2" HDPE WITH TAPPING TEE & EFV SQUEEZE OFF & HEAT FUSION

INSTALL 97' 2" HDPE ACROSS OLD SR-28 WEST SEE PROFILE

INSTALL 804' 2" HDPE 5'± INSIDE ROW WITH 3' MINIMUM COVER EXCEPT WHERE NOTED

EXISTING 3/4" HDPE TO REMAIN IN PLACE

TIE EXISTING 3/4" HDPE SERVICE TO NEW 2" HDPE WITH 3/4" TAPPING TEE & EFV USING HEAT FUSION

INSTALL 2" HDPE BEYOND EXTENTS OF PROPOSED DRAIN

INSTALL 2" HDPE WITH 5' COVER FROM 321+00 TO 321+75

TIE EXISTING 3/4" HDPE SERVICE TO NEW 2" HDPE WITH 3/4" TAPPING TEE USING HEAT FUSION CONFIRM EFV INSTALLATION W/ MTNG

EXISTING 3/4" HDPE TO BE PURGED, CUT, CAPPED & RETIRED IN PLACE

INSTALL 367' 2" HDPE +/- 11' INSIDE ROW WITH 3' MINIMUM COVER EXCEPT WHERE NOTED

125' OF 8" HDPE TO BE PURGED, CUT, CAPPED, REMOVED, & DISPOSED FROM STA 1380+50 TO 1381+50

INSTALL 370' 8" HDPE WITH 3' MINIMUM COVER 11'± INSIDE ROW

150' OF 8" HDPE TO BE PURGED, CUT, CAPPED, REMOVED, & DISPOSED FROM STA 331+00 TO 332+25

EXISTING 3/4" HDPE TO BE PURGED, CUT, CAPPED & RETIRED IN PLACE

EXISTING 1/2" HDPE HAS BEEN PURGED, CUT, CAPPED & RETIRED IN PLACE AS PART OF PREVIOUS PROJECT

TOP OF CUT

3/4" SERVICE TO BE PURGED, CUT, CAPPED, & RETIRED IN PLACE

CONNECT NEW 8" HDPE MAIN TO EXISTING 8" HDPE MAIN USING SQUEEZE OFFS AND HEAT OR ELECTROFUSION

OLD S.R. 28 WEST STA. 324+86.73 = S.R. 28 CONST. STA. 1382+71.00

EXISTING 8" HDPE TO BE PURGED, CUT, CAPPED, & RETIRED IN PLACE

OLD S.R. 28 EAST STA. 330+00.00 = S.R. 28 CONST. STA. 1382+71.00
N 645080.8229
E 2244691.3426

TIE EXISTING 3/4" HDPE TO NEW 8" HDPE WITH TAPPING TEE USING HEAT FUSION CONFIRM EFV INSTALLATION WITH MTNG

EXISTING 8" HDPE TO REMAIN IN PLACE

ORDER OF OPERATIONS:

INSTALL NEW MAINS, PRESSURIZE BOTH OLD AND NEW MAINS, THEN RECONNECT INDIVIDUAL SERVICE LINES BEFORE DEPRESSURIZING MAINS TO BE RETIRED.

COORDINATE WITH MTNG PERSONNEL TO RE-LIGHT INDIVIDUAL CUSTOMERS AS REQUIRED.

SEE SHEET U2-19 FOR CROSSING PROFILES

JOSHUA CASTLEN & MARSON O. ROBERSON & WANDA FAYE (131)
RUSSELL SMITH & CAROL SMITH (102)
HOWARD D. MILLER AND WIFE SHARON M. (104)
JACK REEDS & SANDRA REEDS (106)
PAUL VICKERS (100)
WILLIAM E. BAUCUM & VICTORIA BAUCUM (101)
AVIAGEN INC. (98)
JAMES HOWE AND WIFE LILLIAN B. (99)
DOUGLAS S. CLARKSON AND WIFE ALEXANDRA (103)
BRETT PHILLIPS & WIFE CHELSEA (107)
RENEE PYLE AND CHARLOTTE M. JONES (105)

OLD SR-28 WEST
OLD SR-28 EAST
GINA DR
MATCH LINE STA. 1380+50 SEE SHEET NO. U3-11
MATCH LINE STA. 1393+00 SEE SHEET NO. U3-13
FUTURE CENTERLINE
UNNAMED TRIBUTARY
POND
HOLLOW DR
22' HAUL ROAD (SOUTH)
CRICKFORK CREEK 2 LN BRIDGE
LIMIT OF CONST. STA. 1393+00
GROUND OBSCURED

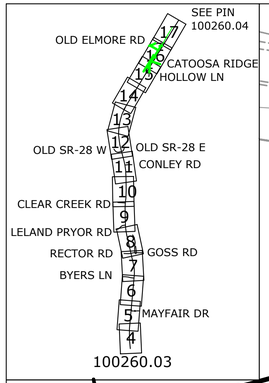


MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT
WWW.MTNG.COM

GAS LINE RELOCATION PLANS
STA.1380+50 TO STA.1393+00
SCALE: 1"=50'

03/26/2026

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-13
		100260.03	



LOCATION MAP

ORDER OF OPERATIONS:

INSTALL NEW MAINS, PRESSURIZE BOTH OLD AND NEW MAINS, THEN RECONNECT INDIVIDUAL SERVICE LINES BEFORE DEPRESSURIZING MAINS TO BE RETIRED.

COORDINATE WITH MTNG PERSONNEL TO RE-LIGHT INDIVIDUAL CUSTOMERS AS REQUIRED.

RELOCATE 140' 8" HDPE USING SQUEEZE OFFS AND HEAT OR ELECTROFUSION (WITH EXTRA DEPTH IF NECESSARY) FOR HAUL ROAD AND BRIDGE RIP-RAP. EXISTING 8" TO BE PURGED, CUT, CAPPED, AND RETIRED IN PLACE.

EXISTING 8" HDPE TO REMAIN IN PLACE; WILL BE IN FILL

RELOCATE 128' 8" HDPE USING SQUEEZE OFFS AND HEAT OR ELECTROFUSION (WITH EXTRA DEPTH IF NECESSARY) TO AVOID PIER #2 AND PROPOSED DITCH EXISTING 8" TO BE PURGED, CUT, CAPPED, AND RETIRED IN PLACE. REMOVE AND DISPOSE OF 12' OF 8" UNDER DRILLED SHAFT #2

EXISTING 3/4" HDPE TO REMAIN IN PLACE

EXISTING 3/4" HDPE TO BE PURGED, CUT, CAPPED & RETIRED IN PLACE

EXISTING 8" HDPE TO REMAIN IN PLACE

EXISTING 3/4" HDPE TO REMAIN IN PLACE

EXISTING 3/4" HDPE TO BE PURGED, CUT, CAPPED & RETIRED IN PLACE

EXISTING 8" HDPE TO REMAIN IN PLACE

EXISTING 3/4" HDPE TO REMAIN IN PLACE

TEMP. CONST. ESMT.

TEMP. CONST. ESMT.

TEMP CONST ESMT.

TOP OF CUT

TOP OF CUT

TOP OF CUT

FUTURE CENTERLINE

LIMIT OF CONST. STA 9+39.32

LIMIT OF CONST. STA 9+13.17

LIMIT OF CONST. STA 7+50.00

LIMIT OF CONST. STA 2+64.41

PIER NO.1 STA 1396+18.50

PIER NO.2 STA 1397+67.50

STA 7+91.03= STA 0+00.00

GROUND OBSCURED

GROUND OBSCURED

TO REMAIN

TRAIL

TRAIL

ESMT.

MATCH LINE STA. 1393+00 SEE SHEET U3-12

MATCH LINE STA. 1406+00 SEE SHEET U3-14

OLD SR-28 WEST

OLD SR-28

LICKFORK CREEK

LICKFORK CREEK 2 IN BRIDGE

22' HAUL ROAD (SOUTH)

22' HAUL ROAD (NORTH)

STR.8

RCP

POND

106 JACK W REEDS AND SANDRA D REEDS

111

112 REUEL T. ISHAM JR. AND WIFE JUDY K.

105

107 BRETT PHILLIPS AND WIFE CHELSEA

109 GREG P. & TERI TRANTANELLA

110 CARL S. BRADY AND WIFE JOANNA

113 RAY ENGLAND

AND JONES

1395 1400 1405

5+00 4+00 6+00 7+00 8+00 9+00 1+00 2+00

8" G 3/4" G

MATTHEW C. STANNETT REGISTERED ENGINEER AGRICULTURE COMMERCE No. 112455 STATE OF TENNESSEE

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT WWW.MTNG.COM

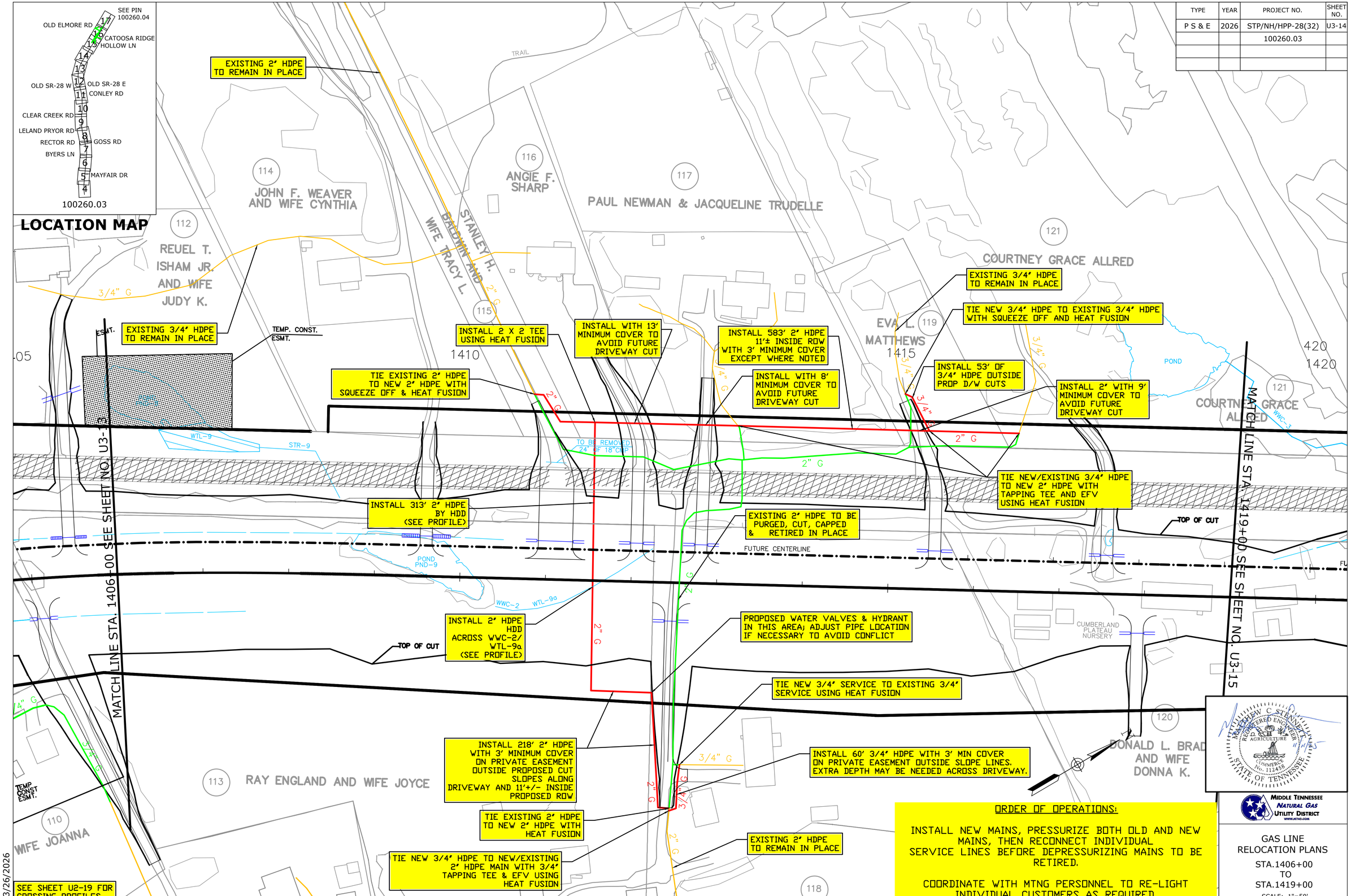
GAS LINE RELOCATION PLANS

STA.1393+00 TO STA.1406+00

SCALE: 1"=50'

03/26/2026

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-14
		100260.03	



ORDER OF OPERATIONS:

INSTALL NEW MAINS, PRESSURIZE BOTH OLD AND NEW MAINS, THEN RECONNECT INDIVIDUAL SERVICE LINES BEFORE DEPRESSURIZING MAINS TO BE RETIRED.

COORDINATE WITH MTNG PERSONNEL TO RE-LIGHT INDIVIDUAL CUSTOMERS AS REQUIRED.

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT

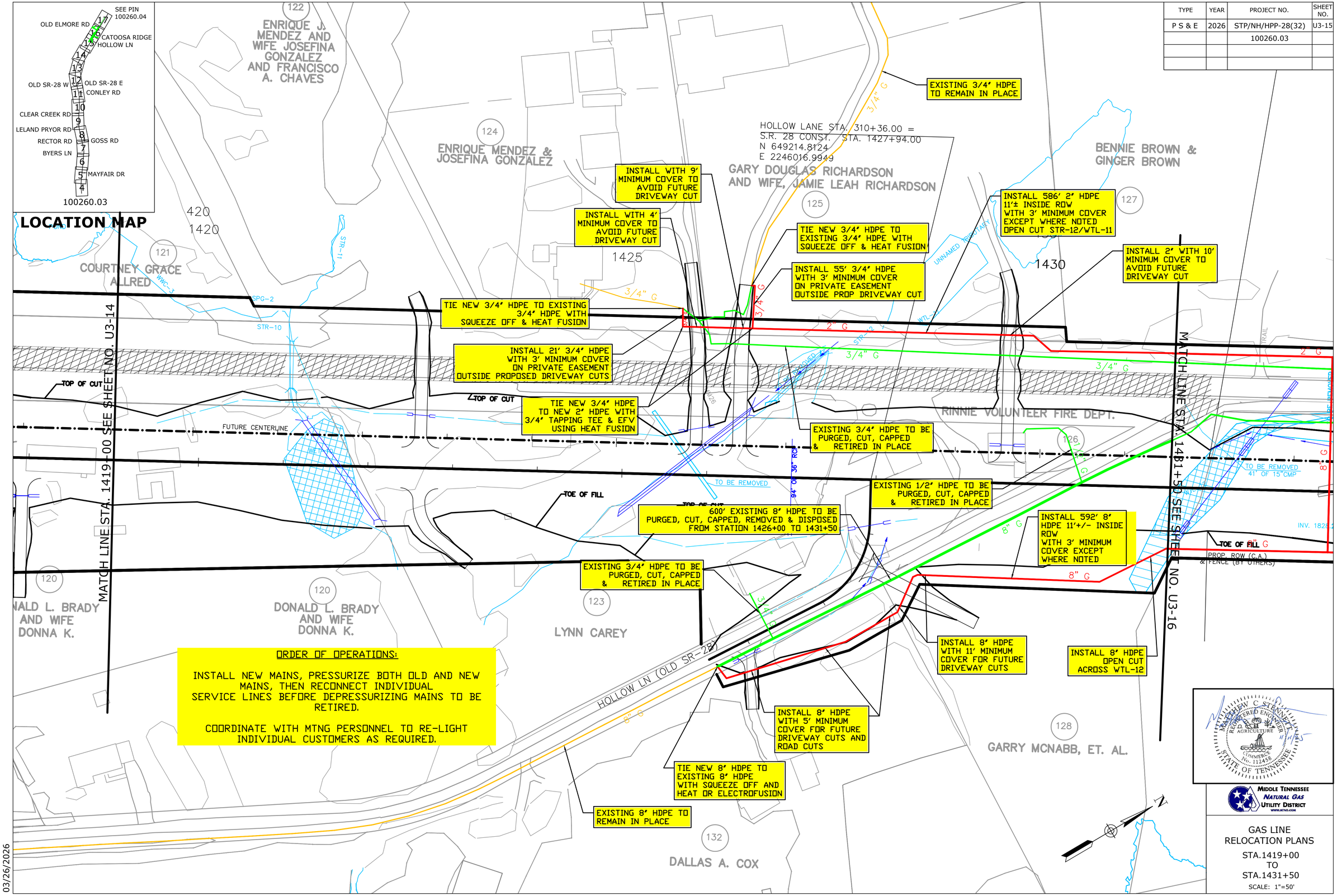
GAS LINE RELOCATION PLANS

STA.1406+00 TO STA.1419+00

SCALE: 1"=50'

03/26/2026

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-15
		100260.03	



ORDER OF OPERATIONS:

INSTALL NEW MAINS, PRESSURIZE BOTH OLD AND NEW MAINS, THEN RECONNECT INDIVIDUAL SERVICE LINES BEFORE DEPRESSURIZING MAINS TO BE RETIRED.

COORDINATE WITH MTNG PERSONNEL TO RE-LIGHT INDIVIDUAL CUSTOMERS AS REQUIRED.

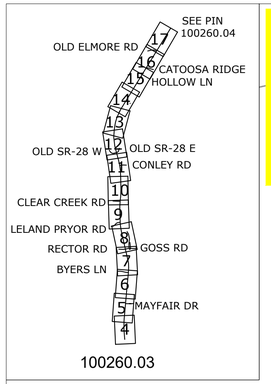
MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT

GAS LINE RELOCATION PLANS

STA.1419+00 TO STA.1431+50

SCALE: 1"=50'

03/26/2026



LOCATION MAP

ORDER OF OPERATIONS:

INSTALL NEW MAINS, PRESSURIZE BOTH OLD AND NEW MAINS, THEN RECONNECT INDIVIDUAL SERVICE LINES BEFORE DEPRESSURIZING MAINS TO BE RETIRED.

COORDINATE WITH MTNG PERSONNEL TO RE-LIGHT INDIVIDUAL CUSTOMERS AS REQUIRED.

PIN NO. 100260.04
FED. AID PROJ. NO. HPP/NH-28(37)
BEGIN PROJ. NO. 18008-3229-14 (CONST.)
STA. 432+00.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-16
		100260.03	

REV 3/26: MOVED PROPOSED 2" ALONG CATOOSA RIDGE TO 5' INSIDE ROW
REVISED OLD ELMORE ROW & SLOPE LINES

EXISTING 1" HDPE TO REMAIN IN PLACE

INSTALL 368' OF 2" HDPE 5' INSIDE ROW. FROM STATION 24+00 TO 26+00

TIE TO EXISTING 1" HDPE WITH 2 X 1 REDUCER USING SQUEEZE OFF & HEAT FUSION TIE IN WEST OF PROPOSED WATER TIE-IN TO AVOID CROSSING PROPOSED WATER

INSTALL 3/4" TAPPING TEE; EFV; 9' OF 3/4" HDPE & 3/4" X 1/2 " REDUCER USING HEAT FUSION

EXISTING 1" HDPE TO BE PURGED, CUT, CAPPED, & RETIRED IN PLACE

OPEN CUT FUTURE OLD ELMORE RD 85' OF 2" HDPE SEE PROFILE: EXTRA DEPTH NEEDED ANGLE TO AVOID PROP DRAINS

OPEN CUT EXISTING OLD ELMORE RD

EXISTING 3/4" HDPE TO REMAIN IN PLACE

INSTALL 20' OF 2" HDPE 5'+/- INSIDE ROW WITH 6' MINIMUM COVER

TIE NEW 2" HDPE MAIN TO NEW 8" HDPE MAIN WITH 2" TAPPING TEE USING HEAT FUSION

INSTALL 8" HDPE OPEN CUT ACROSS STR-1/WTL-1 WITH 3' MINIMUM COVER

TIE EXISTING 3/4" HDPE SERVICE TO NEW 8" HDPE MAIN WITH 3/4" TAPPING TEE, EFV, & 17' OF 3/4" HDPE USING HEAT FUSION

INSTALL 196' OF 2" HDPE 5'+/- INSIDE ROW WITH 3' MINIMUM COVER EXCEPT WHERE NOTED

INSTALL 189' OF 2" HDPE 11'+/- INSIDE ROW WITH 3' MINIMUM COVER

INSTALL 868' 8" HDPE 11' INSIDE ROW

TIE NEW 2" HDPE TO NEW 8" HDPE WITH 2" TAPPING TEE USING HEAT FUSION

TIE EXISTING 1" HDPE TO NEW 8" HDPE WITH 3/4" TAPPING TEE, EFV, AND 3/4 X 1 REDUCER USING HEAT FUSION

OPEN CUT FUTURE OLD ELMORE RD SEE PROFILE EXTRA DEPTH NEEDED

INSTALL 102' OF 8" HDPE BY HDD ACROSS EXISTING SR-28 INSTALL 129' OF 8" HDPE BY OPEN CUT ACROSS WTL-12 WITH 3' COVER EXCEPT WHERE NOTED FOR DITCHES SEE PROFILE

EXISTING 1" HDPE TO BE PURGED, CUT, CAPPED, & RETIRED IN PLACE

EXISTING 3/4" HDPE TO BE PURGED, CUT, CAPPED, & RETIRED IN PLACE

EXISTING 2" HDPE TO BE PURGED, CUT, CAPPED, & RETIRED IN PLACE

TIE EXISTING SERVICE TO NEW 8" HDPE MAIN WITH 3/4" TAP TEE & EFV; INSTALL 41' OF 3/4" HDPE WITH HDD ACROSS EXISTING RD AND 20' OPEN CUT WITH 3' MINIMUM COVER; CONNECT TO EXISTING 1/2" HDPE WITH 3/4" x 1/2" REDUCER USING SQUEEZE OFF & HEAT FUSION

EXISTING 8" HDPE TO BE PURGED, CUT, CAPPED, & RETIRED IN PLACE

TIE NEW 2" HDPE TO NEW 8" HDPE WITH 2" TAPPING TEE USING HEAT FUSION

INSTALL 34' OF 2" HDPE 11'± INSIDE ROW WITH 3' MINIMUM COVER EXCEPT WHERE NOTED

INSTALL 191' OF 8" HDPE 11'+/- INSIDE ROW OPEN CUT ACROSS WTL-12/WTL-1

WATER WILL BE ON PRIVATE EASEMENT INSTALL 317' OF 2" PE 5'+/- INSIDE ROW

TIE NEW 2" HDPE TO EXISTING 2" HDPE WITH SQUEEZE OFF & HEAT FUSION

EXISTING 2" HDPE TO REMAIN IN PLACE

EXISTING 1/2" HDPE SERVICE TO REMAIN IN PLACE

SEE SHEET U2-20 FOR CROSSING PROFILES

BENNIE A. BROWN, AND WIFE, GINGER BROWN

BENNIE A. BROWN, AND WIFE, MARGIE BROWN

BENNIE S. SMITH AND WIFE, MARY K. SMITH

JIMMY NORRIS

FLOYD P. NEELY, JR. AND WIFE, BARBARA L. NEELY

GARRY W. MCNABB & RANDY GRAHAM, TRUSTEES OF THE MILLARD V. OAKLEY FAMILY TRUST

SONYA SMITH

S.R. 28 (U.S. 127 NORTH) ALVIN C. YORK HIGHWAY

HOLLOW LANE (OLD S.R. 28)

OLD ELMORE RD.

CATOOSA RIDGE DRIVE

MATCH LINE STA. 1431+50 SEE SHEET NO. U3-15

MATCH LINE STA. 1442+00 SEE SHEET NO. U3-17

STA. 434+40.00 SR-28 (US 127) = STA. 20+00.00 CATOOSA RIDGE

STA.441+50.00 SR-28 (US 127) = STA. 30+00.00 OLD ELMORE ROAD

PROPOSED R.O.W. (C.A.) & FENCE

PROPOSED ROW

FUTURE CROSS-DRAIN EXTENSION TO BE COMPLETED BY OTHERS

POND-1

WTL-1

WTL-12

SR-28

TOP OF CUT (ULTIMATE)

TOP OF CUT (INTERIM)

TOP OF CUT (INTERIM & ULTIMATE)

TOE OF FILL

"U" E.W. W/GRATE

1S-F-RES

1S-B-BUS

1S-BL-GAR

1S-BL-SHED

1S-BR-GARAGE

BARN

POND

DEPT.

BEAUTY SHOP

RUIN

PROPOSED ROW

03/26/2026

MATTHEW C. STANNARD — REGISTERED ENGINEER — AGRICULTURE — COMMERCE — No. 112455 — STATE OF TENNESSEE

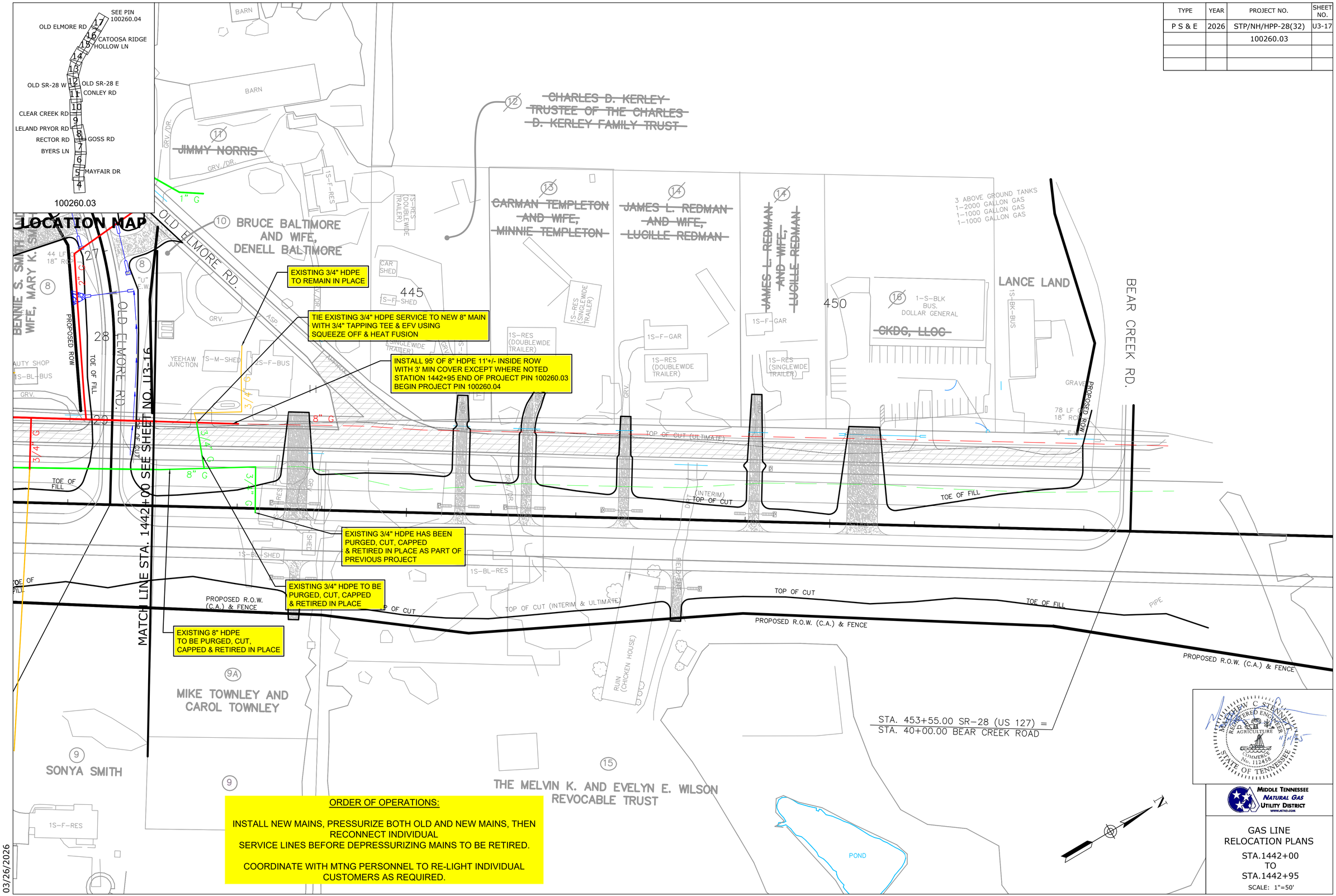
MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT

GAS LINE RELOCATION PLANS

STA 1431+50 TO STA.1442+00

SCALE: 1"=50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-17
		100260.03	



ORDER OF OPERATIONS:

INSTALL NEW MAINS, PRESSURIZE BOTH OLD AND NEW MAINS, THEN RECONNECT INDIVIDUAL SERVICE LINES BEFORE DEPRESSURIZING MAINS TO BE RETIRED.

COORDINATE WITH MTNG PERSONNEL TO RE-LIGHT INDIVIDUAL CUSTOMERS AS REQUIRED.

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT

GAS LINE RELOCATION PLANS

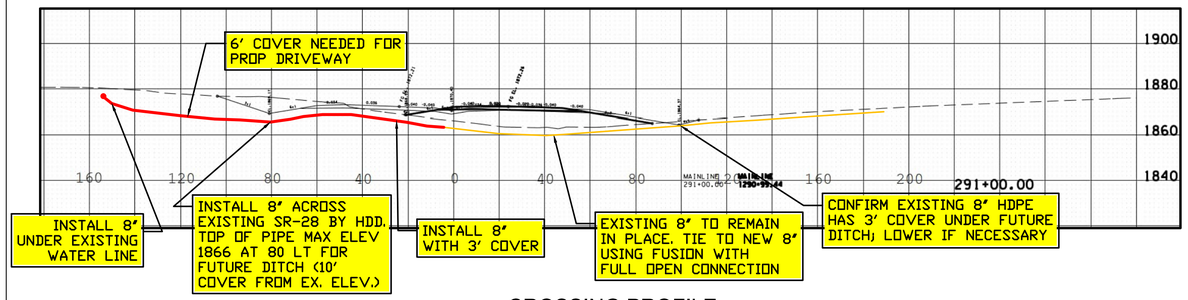
STA.1442+00 TO STA.1442+95

SCALE: 1"=50'

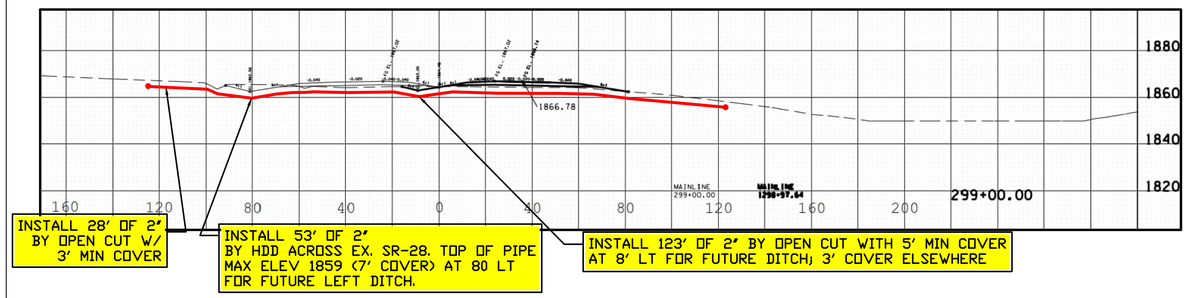
03/26/2026

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-18
		100260.03	

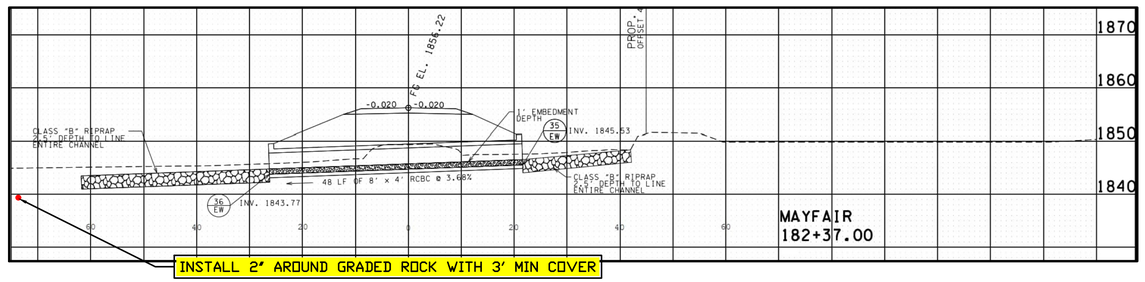
CROSSING PROFILE
SHEET 5 MAINLINE STATION 1291+00 8" HDPE



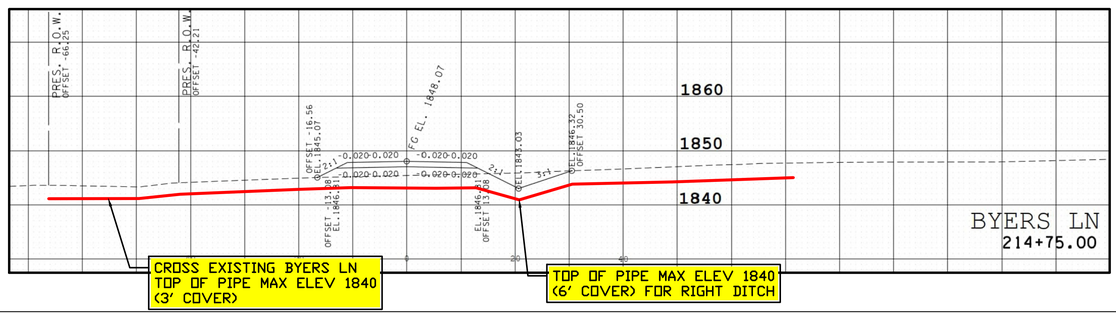
CROSSING PROFILE
SHEET 5 MAINLINE STATION 1299+00 2" HDPE



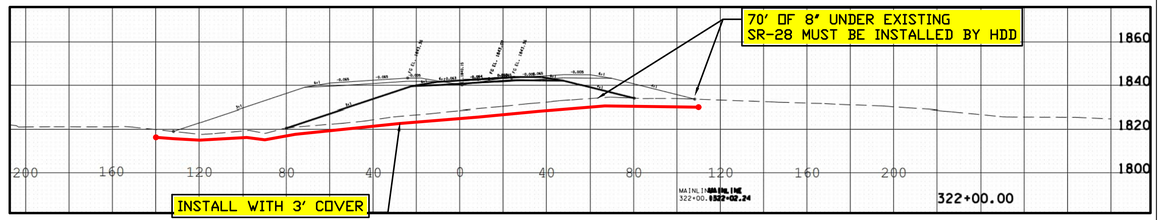
CULVERT PROFILE
SHEET 5 MAYFAIR STATION 182+37 2" HDPE



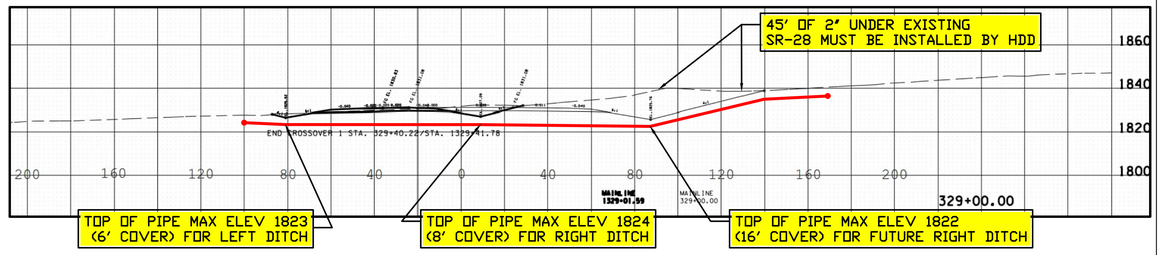
CROSSING PROFILE
SHEET 7 BYERS LN STATION 214+75 8" HDPE



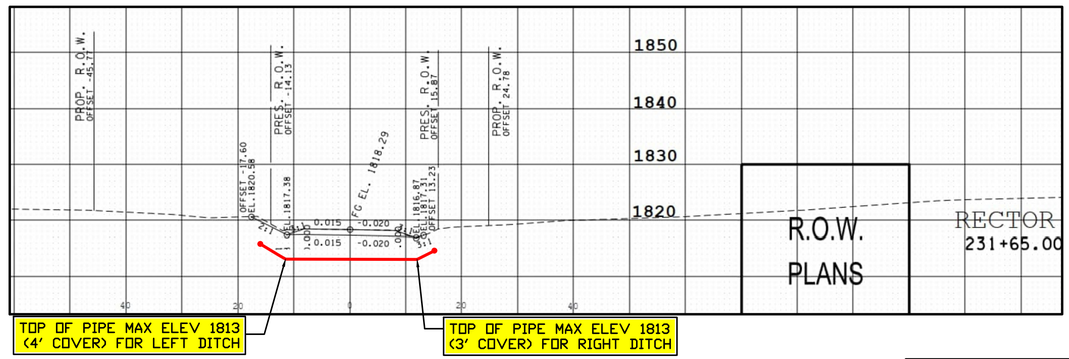
CROSSING PROFILE
SHEET 7 MAINLINE STATION 1322+00 8" HDPE



CROSSING PROFILE
SHEET 8 MAINLINE STATION 1329+00 2" HDPE



CROSSING PROFILE
SHEET 8 RECTOR RD 231+65 2" HDPE



NOTE:
FOR MAINLINE CROSS SECTION MEASUREMENTS,
USE "FUTURE CENTERLINE" ON THE PLAN SHEETS AS "0."
DO NOT USE THE PRESENT CENTERLINE TO MEASURE
WHEN USING THESE FUTURE MAINLINE CROSS SECTIONS.
THIS APPLIES FROM BEGINNING OF PROJECT
AT STATION 1282+00 TO STATION 1431+50.

MATTHEW C STANFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 112455
STATE OF TENNESSEE

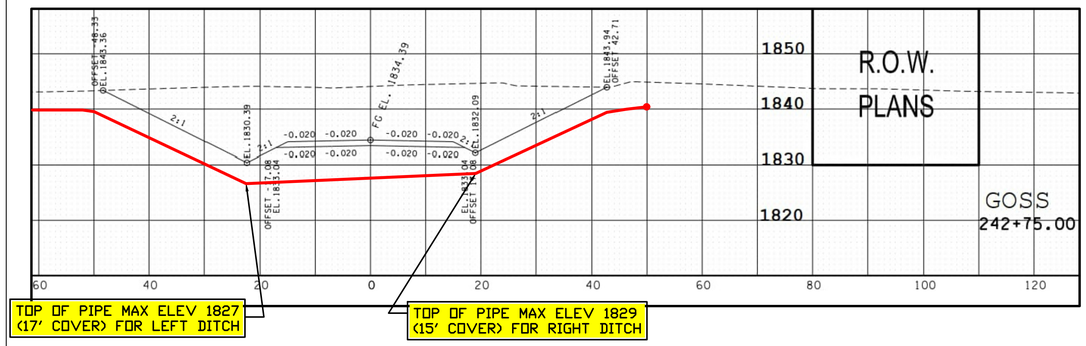
MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT
WWW.MTND.COM

GAS LINE
RELOCATION PLANS
CROSSING PROFILES

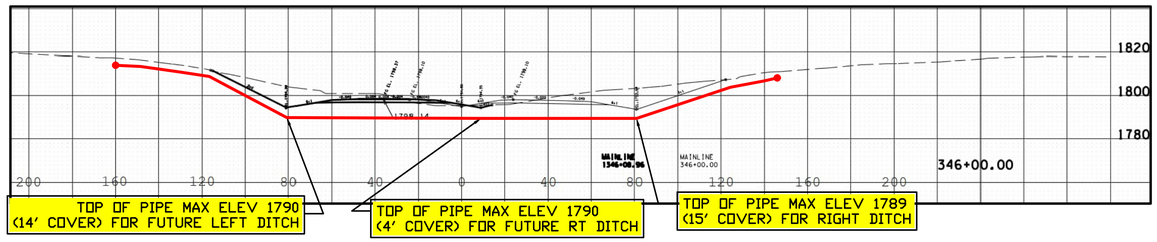
03/26/2026

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-19
		100260.03	

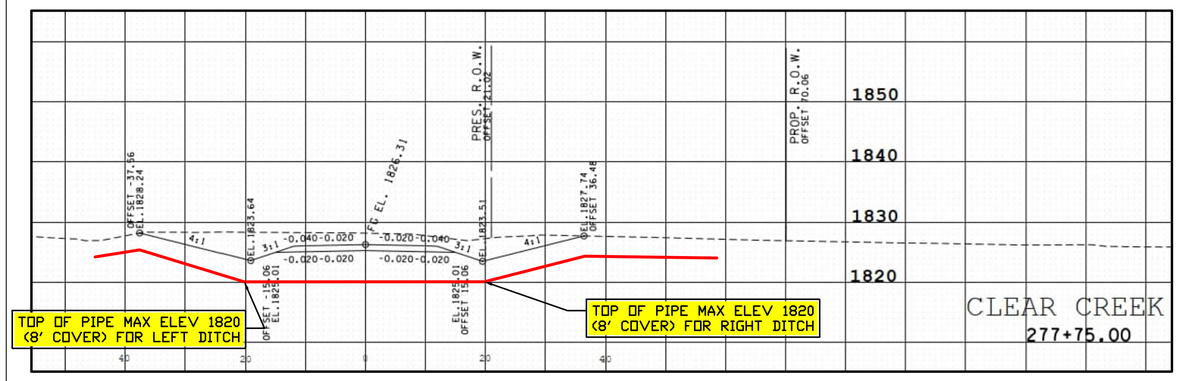
CROSSING PROFILE
SHEET 8 GOSS RD STATION 242+75 8" HDPE



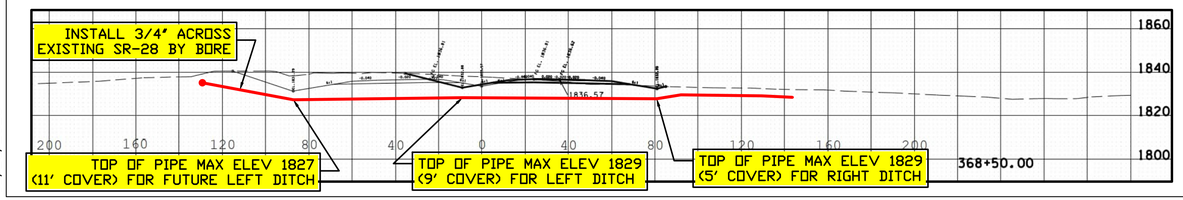
CROSSING PROFILE
SHEET 9 MAINLINE STATION 1346+00 8" HDPE



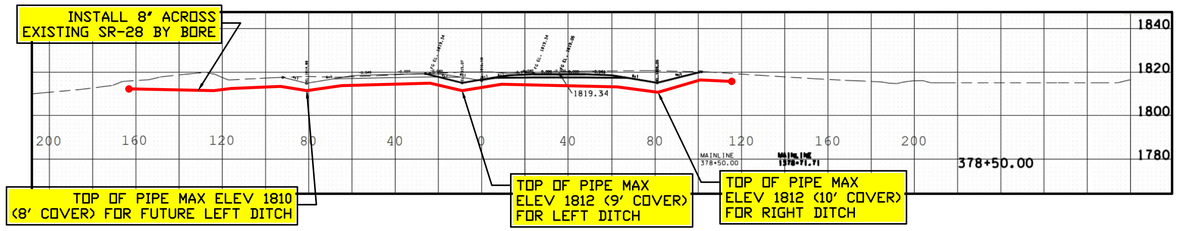
CROSSING PROFILE
SHEET 10 CLEAR CREEK RD STATION 277+75 8" HDPE



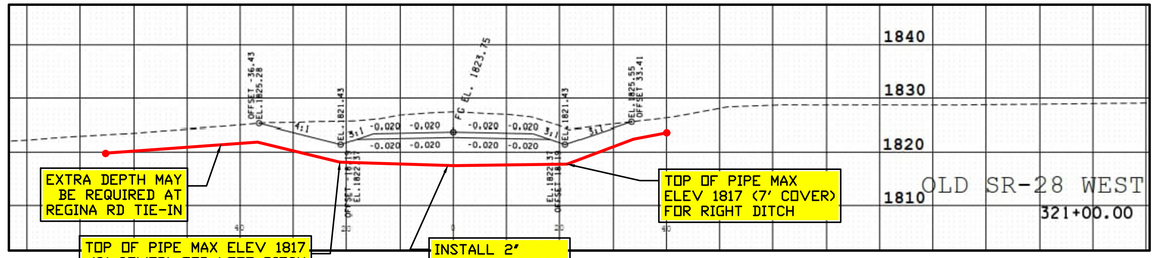
CROSSING PROFILE
SHEET 11 MAINLINE STATION 1368+50 3/4" HDPE



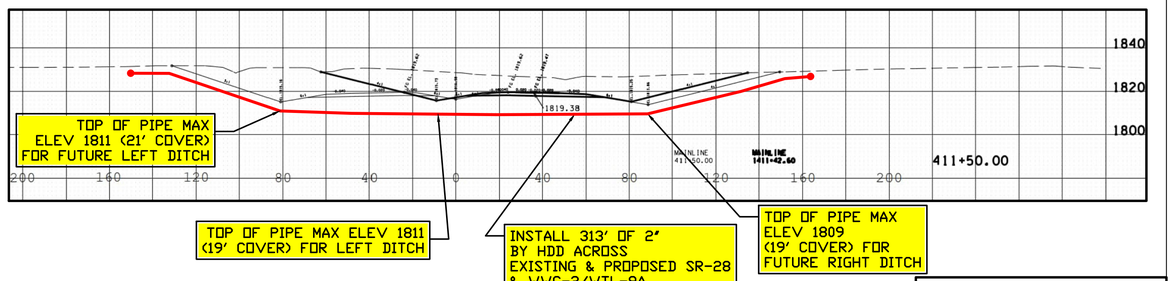
CROSSING PROFILE
SHEET 11 MAINLINE STATION 1378+50 8" HDPE



CROSSING PROFILE
SHEET 12 OLD SR-28 WEST STATION 321+00 2" HDPE



CROSSING PROFILE
SHEET 14 MAINLINE STATION 1411+50 2" HDPE



NOTE:
FOR MAINLINE CROSS SECTION MEASUREMENTS,
USE "FUTURE CENTERLINE" ON THE PLAN SHEETS AS "0."
DO NOT USE THE PRESENT CENTERLINE TO MEASURE
WHEN USING THESE FUTURE MAINLINE CROSS SECTIONS.
THIS APPLIES FROM BEGINNING OF PROJECT
AT STATION 1282+00 TO STATION 1431+50.

MATTHEW C STANLEY
REGISTERED ENGINEER
AGRICULTURE
No. 112455
STATE OF TENNESSEE

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT

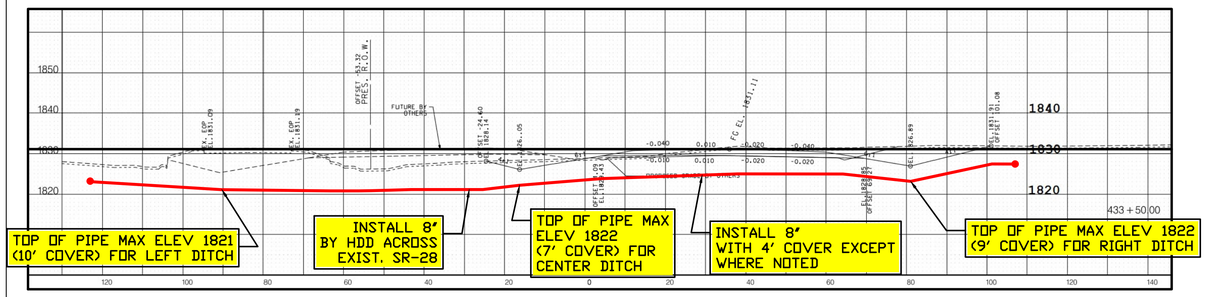
GAS LINE
RELOCATION PLANS
CROSSING PROFILES

03/26/2026

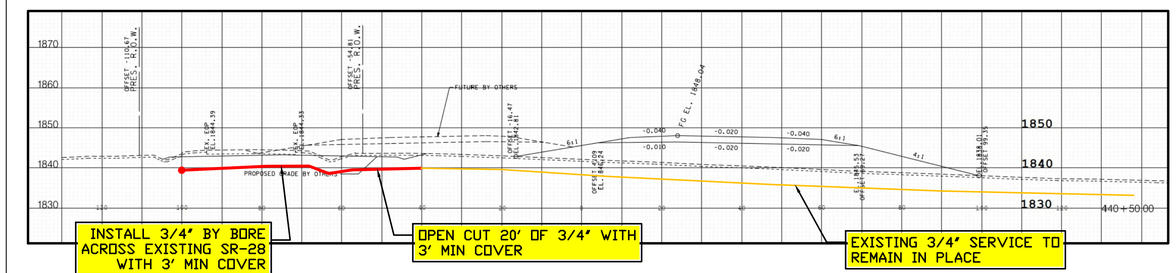
TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	STP/NH/HPP-28(32)	U3-20
		100260.03	

REV 3/26: REVISED OLD ELMORE RD CROSS SECTIONS

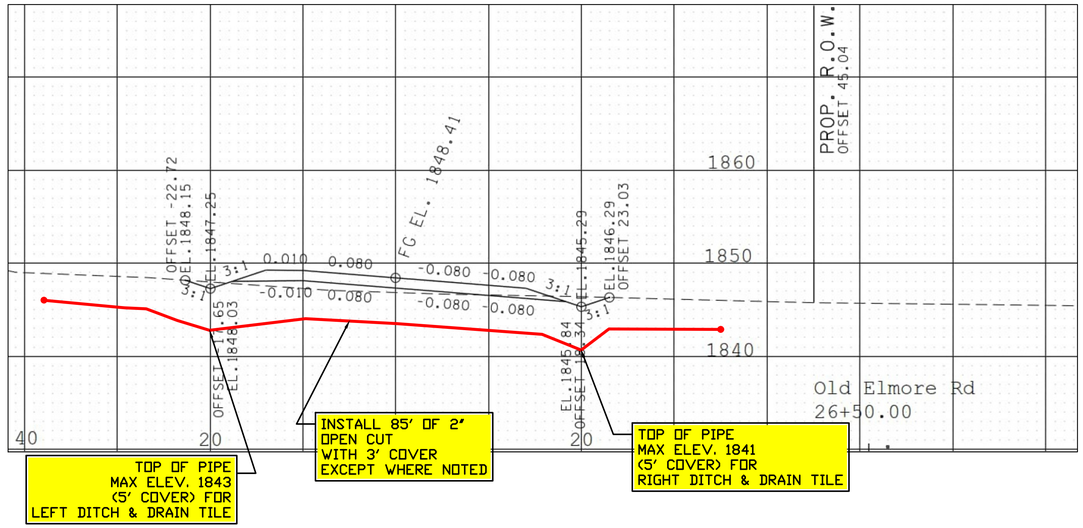
CROSSING PROFILE
SHEET 16 MAINLINE STATION 1433+50 8" HDPE



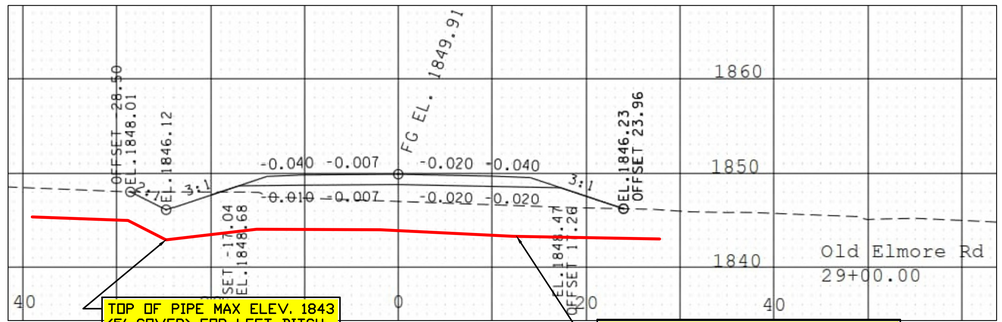
CROSSING PROFILE
SHEET 16 MAINLINE STATION 1440+50 3/4" HDPE



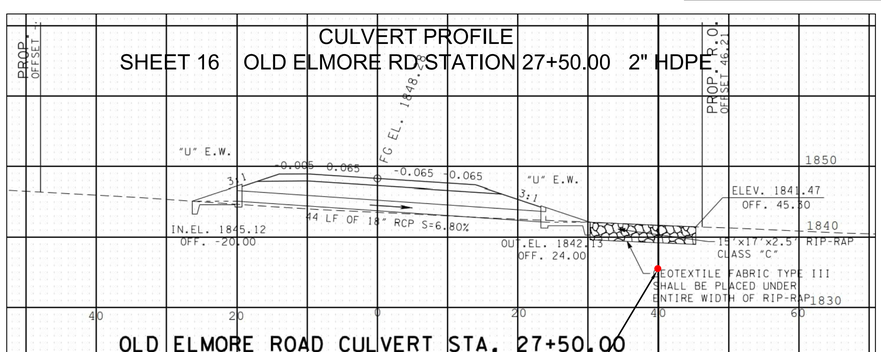
CROSSING PROFILE
SHEET 16 OLD ELMORE RD STATION 26+50 2" HDPE



CROSSING PROFILE
SHEET 16 OLD ELMORE RD STATION 29+00 8" HDPE



CULVERT PROFILE
SHEET 16 OLD ELMORE RD STATION 27+50.00 2" HDPE



NOTE:
FOR MAINLINE CROSS SECTION MEASUREMENTS FOR STATION 1431+50 TO END OF PROJECT, USE PRESENT CENTERLINE

MATTHEW C. STANLEY REGISTERED ENGINEER AGRICULTURE COMMERCE No. 112458 STATE OF TENNESSEE

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT

GAS LINE
RELOCATION PLANS
CROSSING PROFILES

03/26/2026

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U4-1

UTILITIES INDEX

SHEET NO. DESCRIPTION

U4-1.....COVER
U4-2.....NOTES
U4-3.....
U4-4.....ELECTRIC RELOCATION PLAN SHEET - BEGIN TO STA. 1290+00
U4-5.....ELECTRIC RELOCATION PLAN SHEET - STA. 1290+00 TO STA. 1303+00
U4-6.....ELECTRIC RELOCATION PLAN SHEET - STA. 1303+00 TO STA. 1316+00
U4-7.....ELECTRIC RELOCATION PLAN SHEET - STA. 1316+00 TO STA. 1329+00
U4-8.....ELECTRIC RELOCATION PLAN SHEET - STA. 1329+00 TO STA. 1342+00
U4-9.....ELECTRIC RELOCATION PLAN SHEET - STA. 1342+00 TO STA. 1355+00
U4-10.....ELECTRIC RELOCATION PLAN SHEET - STA. 1355+00 TO STA. 1367+50
U4-11.....ELECTRIC RELOCATION PLAN SHEET - STA. 1367+50 TO STA. 1380+50
U4-12.....ELECTRIC RELOCATION PLAN SHEET - STA. 1380+50 TO STA. 1393+00
U4-13.....ELECTRIC RELOCATION PLAN SHEET - STA. 1393+00 TO STA. 1406+00
U4-14.....ELECTRIC RELOCATION PLAN SHEET - STA. 1406+00 TO STA. 1419+00
U4-15.....ELECTRIC RELOCATION PLAN SHEET - STA. 1419+00 TO STA. 1431+50
U4-16.....ELECTRIC RELOCATION PLAN SHEET - STA. 1431+50 TO END

Item No.	Installs - Description	Unit	Quantity
790-01.05	POLE 30FT CLASS 6 WOOD	each	1
790-02.04	POLE 35FT CLASS 5 WOOD	each	1
790-03.03	POLE 40FT CLASS 4 WOOD	each	1
790-04.03	POLE 45FT CLASS 3 WOOD	each	18
790-04.04	POLE 45FT CLASS 4 WOOD	each	2
790-05.02	POLE 50FT CLASS 2 WOOD	each	3
790-06.02	POLE 55FT CLASS 2 WOOD	each	1
790-07.08	POLE 60FT CLASS H2 METAL	each	32
790-08.04	POLE 65FT CLASS H2 METAL	each	15
790-09.05	POLE 70FT CLASS H2 METAL	each	3
790-10.05	POLE 75FT CLASS H2 METAL	each	2
790-22.01	1Ø SGL PRIMARY SUPPORT 25 KV	each	4
790-22.02	1Ø DBL PRIMARY SUPPORT 25 KV	each	2
790-22.07	1Ø DBL PTS ANGLE 25 KV	each	3
790-22.11	1Ø DDE ANGLE 25 KV	each	5
790-22.13	1Ø DEAD END 25 KV	each	10
790-22.15	1Ø DEAD END TAP W/ EXTENSION 25 KV	each	20
790-22.16	1Ø DDE TANGENT 25 KV	each	6
790-26.01	3Ø CROSSARM 25 KV	each	1
790-26.03	3Ø CROSSARM SGL LRG COND 25 KV	each	18
790-26.06	3Ø CROSSARM FBRGLS DBL PRIM SUP 25 KV	each	18
790-26.15	3Ø XARM DBL 10FT LRG COND SM ANGLE 25KV	each	7
790-26.26	3Ø CROSSARM DEAD END 25 KV	each	12
790-26.28	3Ø DBL 10FT XARM DDE 25 KV	each	6
790-30.13	SECONDARY CONDUCTOR 2 AL TRIPLEX	LF	450
790-31.02	SERVICE ASSEMBLY-POLE TYPE	each	17
790-32.01	DOWN GUY - THROUGH BOLT TYPE	each	3
790-32.06	DOWN GUY - INSULATED	each	119
790-32.07	OH GUY - THROUGH BOLT TYPE	each	3
790-32.08	OH GUY - THROUGH BOLT TYPE HEAVY DUTY	each	3
790-32.23	GUY GUARD	each	122
790-33.18	ROCK ANCHOR GUY BOLT TYPE	each	121
790-40.03	OH COND 1/0 6/1 ACSR RAVEN	LF	17729
790-40.42	OH COND 336.4 19 AAC TULIP	LF	11334
790-40.49	OH COND 795 37 AAC ARBUTUS	LF	34003
790-41.13	UG PRI COND 1/0 AL 25KV	LF	360
790-41.47	UG SEC COND 2/0 AL TPLX	LF	100
790-42.09	3IN DIA PVC PIPE	LF	160
790-43.21	LOADBREAK JUNCTION 3 PT 200A 25KV	each	1
790-43.22	LOADBREAK JUNCTION 4 PT 200A 25KV	each	1
790-43.51	SECONDARY RISER W/ 3IN CONDUIT	each	1
790-43.53	1PH PRIMARY RISER W/ 3IN CONDUIT	each	1
790-43.58	3PH PRIMARY RISER W/ 6IN CONDUIT	each	1
790-46.02	1Ø TRANSFORMER CONV W/POLE MTD FUSE & LA	each	11
790-46.03	1Ø TRANSFORMER CONV W/XARM MTD FUSE & LA	each	7
790-50.03	1Ø TRANSFORMER PAD	each	1
790-52.03	10KVA 1Ø OH XFORMER 7.2KV 120/240	each	6
790-52.04	15KVA 1Ø OH XFORMER 7.2KV 120/240	each	2
790-52.05	15KVA 1Ø OH XFORMER 7.2KV DUAL VOLTAGE	each	6
790-52.08	25KVA 1Ø OH XFORMER 7.2KV DUAL VOLTAGE	each	4
790-59.06	GOAB SWITCH 25KV	each	1
790-60.02	1Ø FUSE CUTOUT XARM MOUNT 25KV	each	19
790-61.10	3Ø SECTLR OR RECL 2/ BYPASS SW 25KV	each	3
790-64.02	SEC MTG 1Ø 120/240 VOLTS RESIDENTIAL	each	1
790-65.11	3Ø REGULATOR PLATFORM MOUNT	each	1
790-67.07	1Ø 500A REGULATOR 25KV	each	3
790-68.01	POLE GROUND ROD TYPE	each	54
790-68.03	POLE GROUND WRAP TYPE	each	2
790-68.08	POLE GROUND W/ PLFM FOR AIR BREAK SWCH	each	1
790-69.09	GND-ASSY GND ROD WITH ALUMINUM	each	23
790-69.31	STICK PIN	each	7
790-70.20	STREET LIGHT (400W MV)	each	1
790-70.21	STREET LIGHT (70W LED)	each	1

NOTE: 790-42.09 includes (6) 3" PVC Schedule 40 Elbows

Item No.	Description	Unit	Quantity
790-98.01	SECONDARY CONDUCTOR 6 AL DUPLEX	LF	131
790-98.01	SECONDARY CONDUCTOR 2 AL TRIPLEX	LF	5433
790-98.01	OH COND 4 7/1 ACSR SWANATE	LF	1110
790-98.01	OH COND 2 7/1 ACSR SPARATE	LF	27018
790-98.01	OH COND 1/0 6/1 ACSR RAVEN	LF	786
790-98.01	OH COND 3/0 6/1 ACSR PIGEON	LF	6222
790-98.01	OH COND 336.4 19 AAC TULIP	LF	18666
790-98.01	UG PRI COND 1/0 AL 25KV	LF	315
790-98.01	UG SEC COND 2/0 AL TPLX	LF	100
790-98.01	UG SEC COND 4/0 AL TPLX	LF	574
790-98.02	POLE 30FT CLASS 5 WOOD	each	1
790-98.02	POLE 30FT CLASS 6 WOOD	each	31
790-98.02	POLE 35FT CLASS 5 WOOD	each	3
790-98.02	POLE 35FT CLASS 6 WOOD	each	2
790-98.02	POLE 40FT CLASS 4 WOOD	each	15
790-98.02	POLE 40FT CLASS 5 WOOD	each	14
790-98.02	POLE 45FT CLASS 2 WOOD	each	10
790-98.02	POLE 45FT CLASS 3 WOOD	each	1
790-98.02	POLE 45FT CLASS 4 WOOD	each	18
790-98.02	POLE 55FT CLASS 2 WOOD	each	3
790-98.02	POLE 16ft x 6in x 6in	each	15
790-98.03	1Ø SGL PRIMARY SUPPORT 15 KV	each	6
790-98.03	1Ø DBL PRIMARY SUPPORT 15 KV	each	4
790-98.03	1Ø PRIMARY LG ANGLE 15 KV	each	2
790-98.03	1Ø DEADEND 15 KV	each	9
790-98.03	1Ø PRIMARY TAP 15 KV	each	4
790-98.03	1Ø VERTICAL DDE 15 KV	each	2
790-98.03	1Ø CROSSARM DDE 15 KV	each	1
790-98.03	1Ø SGL PRIMARY SUPPORT 25 KV	each	3
790-98.03	1Ø DBL PTS ANGLE 25 KV	each	2
790-98.03	1Ø SUSPENSION ANGLE 25 KV	each	1
790-98.03	1Ø DDE ANGLE 25 KV	each	1
790-98.03	1Ø DEAD END 25 KV	each	1
790-98.03	1Ø DEAD END TAP W/ EXTENSION 25 KV	each	13
790-98.03	1Ø DDE TANGENT 25 KV	each	2
790-98.03	3Ø CROSSARM SGL 15 KV	each	3
790-98.03	3Ø CROSSARM DBL 15 KV	each	1
790-98.03	3Ø CROSSARM SGL LRG COND 15 KV	each	1
790-98.03	3Ø CROSSARM DBL DBL PRIM SUPPORT 15 KV	each	2
790-98.03	3Ø CROSSARM 25 KV	each	3
790-98.03	3Ø CROSSARM DBL LARG COND 25 KV	each	1
790-98.03	3Ø CROSSARM SGL LRG COND 25 KV	each	14
790-98.03	3Ø CROSSARM FBRGLS DBL PRIM SUP 25 KV	each	6
790-98.03	3Ø XARM DBL 10FT LRG COND SM ANGLE 25KV	each	3
790-98.03	3Ø VERTICAL MED ANGLE 25KV	each	1
790-98.03	3Ø CROSSARM DEAD END 25 KV	each	2
790-98.03	3Ø CROSSARM DOUBLE DDE 25 KV	each	2
790-98.03	SECONDARY ASSEMBLIES SMALL ANGLE	each	8
790-98.03	SECONDARY ASSEMBLIES DEADEND	each	14
790-98.03	SERVICE ASSEMBLY-HOUSE TYPE	each	26
790-98.03	SERVICE ASSEMBLY-POLE TYPE	each	79
790-98.03	DOWN GUY - THROUGH BOLT TYPE	each	40
790-98.03	DOWN GUY - INSULATED	each	9
790-98.03	OH GUY - THROUGH BOLT TYPE	each	4
790-98.03	OH GUY - THROUGH BOLT TYPE HEAVY DUTY	each	5
790-98.03	GUY GUARD	each	49
790-98.03	EXPANDING TYPE ANCHOR 10,000LB-12,000LB	each	45
790-98.03	SCREW TYPE ANCHOR 10,000LB-12,000LB	each	2
790-98.03	ROCK ANCHOR GUY BOLT TYPE	each	1
790-98.03	SECONDARY RISER W/ 3IN CONDUIT	each	7

Item No.	Description	Unit	Quantity
790-98.03	1PH PRIMARY RISER W/ 3IN CONDUIT	each	2
790-98.03	3PH PRIMARY RISER W/ 6IN CONDUIT	each	1
790-98.03	1Ø TRANSFORMER	each	27
790-98.03	1Ø TRANSFORMER CONV W/POLE MTD FUSE & LA	each	4
790-98.03	1Ø TRANSFORMER CONV W/XARM MTD FUSE & LA	each	4
790-98.03	10KVA 1Ø OH XFORMER 7.2KV 120/240	each	11
790-98.03	15KVA 1Ø OH XFORMER 7.2KV 120/240	each	15
790-98.03	25KVA 1Ø OH XFORMER 7.2KV 120/240 VOLTAGE	each	8
790-98.03	25KVA 1Ø OH XFORMER 7.2KV DUAL VOLTAGE	each	1
790-98.03	1Ø FUSE CUTOUT XARM MOUNT 15KV	each	3
790-98.03	1Ø FUSE CUTOUT BRKT MOUNT 15KV	each	2
790-98.03	1Ø FUSE CUTOUT XARM MOUNT 25KV	each	2
790-98.03	3Ø SECTLR OR RECL 2/ BYPASS SW 25KV	each	2
790-98.03	SEC MTG 1Ø 120/240 VOLTS RESIDENTIAL	each	33
790-98.03	LIGHTNING ARRESTER ARM MTD 9KV	each	3
790-98.03	LIGHTNING ARRESTER ARM MTD 18KV	each	2
790-98.03	3Ø REGULATOR PLATFORM MOUNT	each	1
790-98.03	1Ø 500A REGULATOR 25KV	each	3
790-98.03	POLE GROUND ROD TYPE	each	57
790-98.03	POLE GROUND WRAP TYPE	each	2
790-98.03	GND-ASSY GND ROD WITH ALUMINUM	each	6
790-98.03	POLE TOP PIN FOR ST POLE	each	4
790-98.03	STREET LIGHT (400W MV)	each	9
790-98.03	STREET LIGHT (70W LED)	each	6

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7/13/2026

VOLUNTEER ENERGY COOPERATIVE

ELECTRIC RELOCATION

INDEX

2/27/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U4-2

UTILITY 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. (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 specific 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.

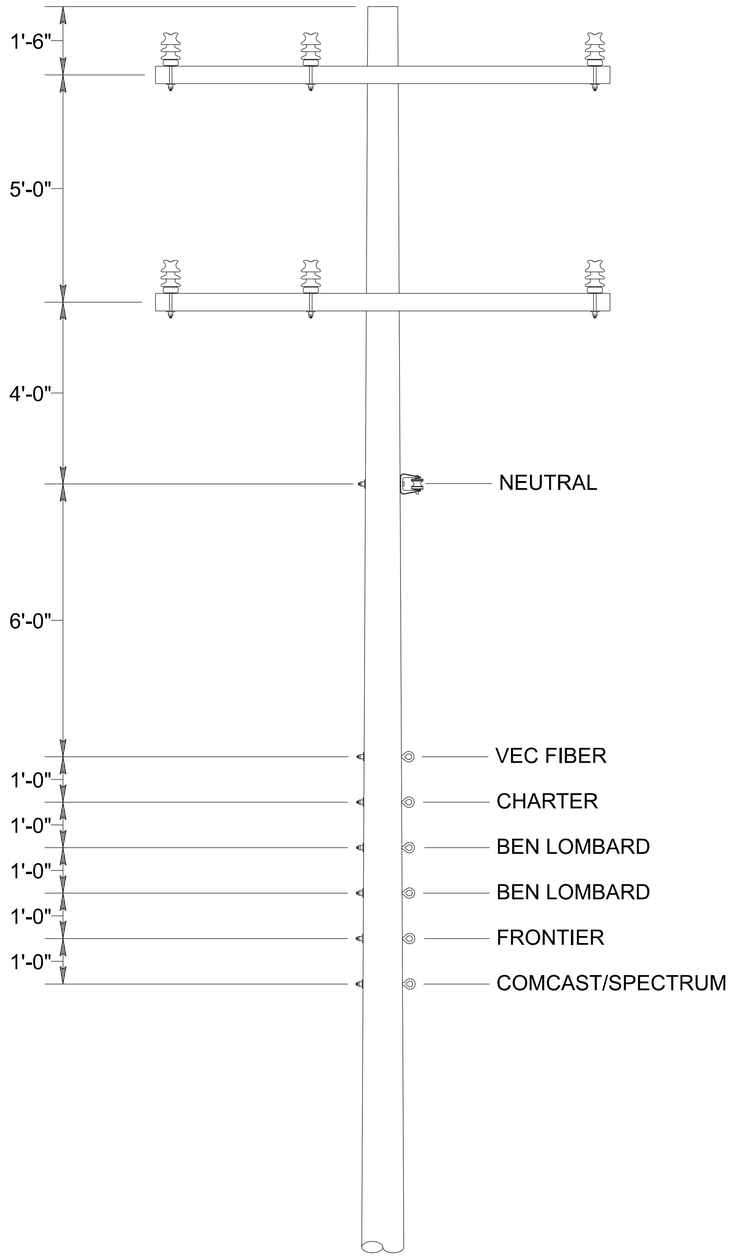
5. For buried utilities, the Prime contractor or subcontractor shall be required to provide to the Utility upon completion of the Utility's relocation work a set of as-built drawings for their records. These as-built drawings should be prepared as the job progresses to ensure their accuracy.

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.

When applicable, the utility relocation plans will show any stream crossings and cross-sections of the streams crossings with the following note:

8. Any excavation of the stream channel area shall be separated from fl?owing 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.



LEGEND

- PROPOSED POWER
- EXISTING POWER TO REMAIN
- EXISTING POWER TO REMOVE

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March 31, 2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RELOCATION

GENERAL NOTES

3/6/2026
U:\a-a\-projects\Volunteer Energy Cooperative\TDOT Project - Potato Farm Road to Hollow Lane\100260.03\Potato Farm Road to Hollow Lane\DGN\ELECTRIC RELOCATION index.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U4-3

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RELOCATION

QUANTITIES

3/6/2026
U:\a-al-projects\Volunteer Energy Cooperative\TDOT Project - Potato Farm Road to Hollow Lane 100260.03\Potato Farm Road to Hollow Lane\DGN\ELECTRIC RELOCATION index.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U4-4

UNNAMED TRIBUTARY

POND

1280

1285

1290

PIN 100260.03
BEGIN PROJ. NO. STP/NH/HPP-28(32);
18008-3230-14 (CONST.)
STA. 1282+00.00 S.R. 28
N:635100.2403
E:2245126.0239

BY OTHERS

1N
No Work
Off ROW

3N
No Work
Off ROW

4.6
No Work
Off ROW

4.5
No Work
Off ROW

4.4
No Work
Off ROW

4.2
No Work
Off ROW

6
No Work
Off ROW

6.2
No Work
Off ROW

TOP OF CUT

$P_rL.$ { S.R. 28
N 5° 24' 35" W

MB

TOP OF CUT

BERM (RETAIN)

MATCH LINE STA. 1290+00 SEE SHT. NO. U4-5

PIN 100260.03
BEGIN PROJ. NO. STP/NH/HPP-28(32);
18008-2226-14 (R.O.W.)
STA. 1286+53.01 S.R. 28
N:635551.9504
E:2245093.2012

1.2
No Work
Off ROW

1.4
No Work
Off ROW

1.6
No Work
Off ROW

1.7
No Work
Off ROW

1.8
No Work
Off ROW

POND

POND

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RELOCATION

STA. 1282+00 TO STA. 1290+00

SCALE: 1"= 50'

3/3/2026
U:\a-al-projects\Volunteer Energy Cooperative\TDOT Project - Potato Farm Road to Hollow Lane 100260.03\Potato Farm Road to Hollow Lane\DGN\ELECTRIC RELOCATION sht 04.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U4-5

PIN 100260.01
END PROJ. NO. STP/NH-28(31):
18008-2221-14 (R.O.W.)
STA. 301+81.03 S.R. 28 (U.S. 127)
N: 636072.3819
E: 2245099.7492

PIN 100260.01
END PROJ. NO. STP/NH-28(31):
18008-3225-14 (CONST.)
STA. 298+45.00 S.R. 28 (U.S. 127)
N: 636738.6350
E: 2245060.6105

MAYFAIR STA. 180+36.00 =
MAINLINE STA. 1299+55.00
N 636849.9398
E 2245185.3912

MATCH LINE STA. 1290+00 SEE SHT. NO. U4-4

MATCH LINE STA. 1303+00 SEE SHT. NO. U4-6

P.L. ℄ S.R. 28

P.L. ℄ S.R. 28
N 5° 13' 11" E

P.L. ℄ MAYFAIR DR.
N 81° 25' 02" E

S 84° 46' 39" E

N 88° 30' 44" E

6.2A
No Work
Off ROW

6.1
No Work
Off ROW

7
No Work
Off ROW

8
No Work
Off ROW

8.1
No Work
Off ROW

8.2
No Work
Off ROW

9.1
No Work
Off ROW

9
No Work
Off ROW

9.2
No Work
Off ROW

10
Construction
(1) E1-5G
(1) E3-10
(1) F5-3A
Off ROW

11.2
Construction
(1) M26-5A
(60) 2AT
Off ROW

11.3
Retirement
(1) E1-5G
(1) E3-10
(1) F1-2
(596) 2ACSR
Off ROW

11.3
Construction
(2) E1-5G
(2) E3-10
(2) F5-3
(596) 1/0ACSR
Off ROW

11.4
No Work
Off ROW

11.2
Retirement
(1) M26-5A
(90) 2AT
Off ROW

11.1
No Work
Off ROW

10.1
Retirement
(1) 40-4
(1) VA2
(1) G107A 240V15KVA
(1) M2-1
(1) J6
(1) 2AT
(1) UM8-1
(400) 2ACSR
Off ROW

10.1A
Construction
(1) 45-3
(1) VA1-1
(1) M2-11A
(464) 1/0ACSR
Off ROW

10.2
Retirement
(1) 30-6
(1) J6
(1) 2AT
(85) 2AT-W
Off ROW

10.3
Retirement
(1) K4/0UG
(1) 1PH METER
(55) K4/0UG-W
Off ROW

10.4
Construction
(1) VA6
(1) E1-5G
(1) E3-10
(1) F5-3
(678) 1/0ACSR
Off ROW

10.4
Retirement
(1) A1
(750) 2ACSR
Off ROW

10.5
No Work
Off ROW

10.6
No Work
Off ROW

10.7
No Work
Off ROW

11
Construction
(1) 60-H2 STEEL
(1) VC8-2L
(1) VC7F
(1) G106A 240V10KVA CND1
(1) M2-1C
(2) E1-5G
(2) E3-10
(2) F5-3A
(1) K11
(1) 2AT
(3) VM5-5A
(690) 795AAC
(230) 336AAC
Off ROW

11
Retirement
(1) 45-2
(1) VC1-2
(1) VC7
(1) G1015A 240V10KVA
(1) M2-1
(1) E1-2
(1) E3-10
(1) F1-2
(2) J6
(2) 2AT
(3) VM5-5A
(690) 336AAC
(230) 3/0ACSR
Off ROW

TOE OF FILL
TOP OF CUT
TOP OF FILL
GRASS
TALL GRASS AND WEEDS
UNNAMED TRIBUTARY
POND
EIP
MB
FN POST

1295
1300

N

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

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March 31, 2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RELOCATION

STA. 1290+00 TO STA. 1303+00

SCALE: 1"= 50'

3/2/2026
U:\a-al-projects\Volunteer Energy Cooperative\TDOT Project - Potato Farm Road to Hollow Lane 100260.03\Potato Farm Road to Hollow Lane\DGN\ELECTRIC RELOCATION sht 05.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U4-6

MATCH LINE STA. 1303+00 SEE SHT. NO. U4-5

MATCH LINE STA. 1316+00 SEE SHT. NO. U4-7

12
Retirement
(1) 45-4
(1) VC1-2
(1) M2-1
(642) 336AAC
(214) 3/0ACSR
Off ROW

12
Construction
(1) 60-H2 STEEL
(1) VC1-3PF
(1) M2-1C
(642) 795AAC
(214) 336AAC
Off ROW

13
Retirement
(1) 45-4
(1) VC1-2
(1) G105B 240V25KVA
(1) M2-11
(1) E1-2
(1) E3-10
(1) F1-2
(1) J6
(1) 2AT
(696) 336AAC
(232) 3/0ACSR
Off ROW

13.1
Retirement
(1) 2AT
(70) 2AT-W
Off ROW

13.1
Construction
(1) 2AT
(90) 2AT-W
Off ROW

13.2
No Work
Off ROW

13A
Construction
(1) 60-H2 STEEL
(1) VC1-3PF
(1) G106B 240V25KVA CND1
(1) M2-1C
(1) E1-5G
(1) E3-10
(1) F5-3A
(1) K11
(1) 2AT
(696) 795AAC
(232) 336AAC
Off ROW

14
Retirement
(1) 45-2
(1) VC1-3
(1) VA5-2
(1) M2-1
(1) SFC-1C
(738) 336AAC
(246) 3/0ACSR
On ROW

14A
Construction
(1) 60-H2 STEEL
(1) VC1-2PF
(1) VA5-2
(1) M2-1C
(1) E1-5G
(1) E3-10
(1) F5-3A
(1) VSFC-1C
(681) 795AAC
(227) 336AAC
Off ROW

15.5
No Work
Off ROW

15.4
No Work
Off ROW

15A
Construction
(1) 60-H2 STEEL
(1) VC1-3PF
(1) VA5-2
(1) M2-1C
(2) E1-5G
(2) E3-10
(2) F5-3A
(1) VSFC-1C
(651) 795AAC
(217) 336AAC
Off ROW

15
Retirement
(1) 45-4
(1) VC1-2
(1) VA5-2
(1) G105A 240V15KVA
(1) M2-1
(1) E2-2
(2) K11
(2) 2AT
(666) 336AAC
(222) 3/0ACSR
On ROW

15.6
Retirement
(1) 30-6
(1) K11-2
(2) 2AT
(1) M26-5A
(99) 2AT-W
Off ROW

15.7
Retirement
(1) K16C
(1) 2AT
(1) 1PH METER
(49) 2AT-W
Off ROW

16
Retirement
(1) 45-2
(1) VM3-3M
(1) M2-11
(597) 336AAC
(199) 3/0ACSR
Off ROW

16A
Construction
(1) 60-H2 STEEL
(1) VM3-3LF
(1) M2-1C
(690) 795AAC
(230) 336 AAC
Off ROW

18N
Construction
(1) 60-H2 STEEL
(1) VC1-2PF
(2) VA5-2
(1) M2-1C
(2) VSFC-1C
(474) 795AAC
(158) 336 AAC
Off ROW

14.1
Retirement
(1) 40-5
(1) VA4
(1) M2-1
(1) E1-2
(1) E3-9
(1) E3-10
(1) F1-2
(184) 2ACSR
On ROW

14.2
Retirement
(1) 40-4
(1) VA1
(1) G105A 240V10KVA
(1) M2-1
(1) K11
(1) 2AT
(366) 2ACSR
Off ROW

14.2A
Construction
(1) 45-3
(1) VA2
(1) M2-11A
(1) E2-2
(1) E3-9G
(544) 1/0ACSR
Off ROW

14.3
Retirement
(1) 30-6
(1) M2-12
(2) J6
(2) 2AT
(1) M26-5LED70
(51) 2AT-W
Off ROW

14.3A
Construction
(1) 30-6
(1) M2-12A
(1) E1-2
(1) E3-10
(1) F5-3
Off ROW

14.4
Retirement
(1) K16C
(1) 2AT
(1) 1PH METER
(45) 2AT-W
Off ROW

14.5
Retirement
(1) VA2
(1) G105A 240V15KVA
(1) E1-2
(1) E3-9
(1) E3-10
(1) F1-2
(550) 2ACSR
Off ROW

14.5
Construction
(1) VA6
(1) G107A 240V15KVA CND1
(1) E1-5G
(1) E3-10
(1) F5-3
(568) 1/0ACSR
Off ROW

15.1
Retirement
(1) 30-6
(1) J5
(64) 2AT-W
On ROW

15.2
Retirement
(1) K16C
(1) 2AT
(1) 1PH METER
(109) 2AT-W
Off ROW

15.3
Retirement
(1) 30-6
(1) E1-2
(1) E3-10
(1) F1-2
On ROW

17
Retirement
(1) 45-2
(1) VC1-2
(1) G106B 240V25KVA CND1
(1) M2-1
(1) K11-2
(2) 2AT
(612) 336AAC
(204) 3/0ACSR
Off ROW

17A
Construction
(1) 60-H2 STEEL
(1) VC1-2PF
(1) M2-1C
(519) 795AAC
(173) 336AAC
Off ROW

17.1
Retirement
(1) 30-6
(1) J5
(1) M26-5A
(125) 2AT-W
Off ROW

17.2
Retirement
(1) K10C
(1) 2AT
(1) 1PH METER
(99) 2AT-W
Off ROW

17.3
Retirement
(1) 30-6
(1) 2AT
(1) J5
(1) K11
(107) 2AT-W
On ROW

17.4
Retirement
(1) K16C
(1) 2AT
(1) 1PH METER
(43) 2AT-W
Off ROW

17.5
Retirement
(1) K16C
(1) 2AT
(1) 1PH METER
(110) 2AT-W
Off ROW

1305
1310
1315
PASTURE
GRASS
RETAIN 42" OF 18" CMP
TOE OF FILL
TOP OF CUT
UNNAMED TRIBUTARY
POND
CONC.
MB
EIP
P.L. { S.R. 28
P.L. { S.R. 28 N 5° 13' 11" E

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

SEALED BY

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STATE OF TENNESSEE

Matt Pamperin

March 31, 2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RELOCATION

STA. 1303+00 TO STA. 1316+00

SCALE: 1"= 50'

2/27/2026
U:\a-al-projects\Volunteer Energy Cooperative\TDOT Project - Potato Farm Road to Hollow Lane\100260.03\Potato Farm Road to Hollow Lane\DGN\ELECTRIC RELOCATION sht 06.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U4-7

19.4
Retirement
(1) 40-4
(1) A2
(1) A5
(1) M2-1
(1) E1-2
(1) E3-10
(1) F1-2
(872) 2ACSR
On ROW

19.4
Construction
(1) 45-3
(3) VA5
(1) M2-11A
(2) E1-5G
(2) E3-10
(2) F5-3
(668) 1/0ACSR
Off ROW

19.6
No Work
Off ROW

19.5
Retirement
(1) K11
Off ROW

18
Retirement
(1) 45-4
(1) VC1-2
(1) VA5-2
(1) M2-1
(1) E1-2
(1) E3-10
(1) F1-2
(384) 336AAC
(128) 3/0ACSR
Off ROW

19N
Construction
(1) 60-H2 STEEL
(1) VC2-2PBSF
(1) G106A 240V15KVA CND1
(1) M2-1C
(2) E1-5G
(2) E3-10
(2) F5-3A
(1) K11
(1) 2AT
(582) 795AAC
(194) 336AAC
Off ROW

21N
Construction
(1) 65-H2 STEEL
(1) VC1-2PF
(1) VA5-2
(1) M2-1C
(1) E1-5G
(1) E3-10
(1) F5-3A
(1) VSFC-1C
(531) 795AAC
(177) 336AAC
Off ROW

22N
Construction
(1) 65-H2 STEEL
(1) VC1-2PF
(1) VA5-2
(1) M2-1C
(1) E1-5G
(1) E3-10
(1) F5-3
(1) VSFC-1C
(729) 795AAC
(243) 336AAC
Off ROW

24.1
Construction
(1) 60-H2 STEEL
(1) VC2-2PBF
(1) M2-1C
(2) E1-5G
(2) E3-10
(1) F5-3A
(534) 795AAC
(178) 336AAC
Off ROW

23N
Construction
(1) 60-H2 STEEL
(1) VC2-2PBF
(1) VA5-2
(1) M2-1C
(2) E1-5G
(2) E3-10
(2) F5-3A
(1) VSFC-1C
(687) 795AAC
(229) 336AAC
Off ROW

24.1
Retirement
(1) 40-4
(1) A5
(1) G105A 240V15KVA
(1) M2-1
(1) E1-2
(1) E3-9
(1) E3-10
(1) F1-2
(1) K11
(346) 1/0ACSR
Off ROW

18.1
Retirement
(1) 40-4
(1) A2
(1) G105A 240V10KVA
(1) M2-1
(1) M26-5LED70
(130) 2ACSR
Off ROW

19.7
Retirement
(1) E1-2
(1) E3-10
(1) F1-2
(1) K11
(1) 2AT
(131) 2AT-W
Off ROW

19.7
Construction
(1) E1-2
(1) E3-10
(1) F5-3
(1) K11
(1) 2AT
(65) 2AT-W
Off ROW

19.8
No Work
Off ROW

19
Retirement
(1) 45-2
(1) VC1-2
(1) VA5-2
(1) G106B 240V25KVA
(1) M2-1
(1) E1-2
(1) E3-10
(1) F1-2
(2) K11
(2) 2AT
(1) SFC-1C
(696) 336AAC
(232) 3/0ACSR
Off ROW

20
Retirement
(1) 45-4
(1) VC2-2
(1) G105A 240V10KVA
(1) M2-1
(1) E1-2
(1) E3-10
(1) F1-2
(1) K11
(1) 2AT
(507) 336AAC
(169) 3/0 ACSR
Off ROW

22
Retirement
(1) 45-2
(1) VC1-2
(1) VA5-2
(1) M2-1
(612) 336AAC
(204) 3/0ACSR
Off ROW

23
Retirement
(1) 45-2
(1) VC1-2
(1) G105B 240V25KVA
(1) M2-1
(1) K11-2
(2) K11
(4) 2AT
(663) 336AAC
(221) 3/0 ACSR
Off ROW

23.6
Retirement
(1) K10C
(1) 2AT
(1) 1PH METER
(72) 2AT-W
Off ROW

24.3
Retirement
(1) METER POLE
(1) K10C
(1) 2AT
(1) 1PH METER
(67) 2AT-W
Off ROW

24.4
No Work
Off ROW

24.2
Retirement
(1) 30-6
(2) K11
(2) 2AT
(62) 2AT-W
Off ROW

20N
Construction
(1) 60-H2 STEEL
(1) VC1-2PF
(1) M2-1C
(534) 795AAC
(178) 336AAC
Off ROW

21.2
Retirement
(1) K16C
(1) 2AT
(1) 1PH METER
(37) 2AT-W
Off ROW

21.1
Retirement
(1) 30-6
(1) K11-2
(2) 2AT
(86) 2AT-W
Off ROW

23.5
Retirement
(1) 30-6
(1) K11-2
(2) 2AT
(1) M26-5A
(155) 2AT-W
Off ROW

18.2
Retirement
(1) 40-4
(1) A1
(1) M2-12
(506) 2ACSR
Off ROW

20.1
Retirement
(1) 30-6
(2) K11
(2) 2AT
(110) 2AT-W
Off ROW

20.2
Retirement
(1) K10C
(1) 2AT
(1) 1PH METER
(38) 2AT-W
Off ROW

21.5
No Work
Off ROW

21.4
Retirement
(1) 30-6
(1) E1-2
(1) E3-10
(1) F1-2
(3) K11
(3) 2AT
(61) 2AT-W
Off ROW

21.3
Retirement
(1) 30-6
(1) K11
(1) 2AT
(1) M26-5A
(104) 2AT-W
Off ROW

21.6
Retirement
(1) K11
(1) 6DUP
(1) M26-5A
(131) 6DUP-W
Off ROW

22.5
No Work
Off ROW

23.3
No Work
Off ROW

23.4
Retirement
(1) K16C
(1) 2AT
(1) 1PH METER
(60) 2AT-W
Off ROW

22.4
No Work
Off ROW

22.1
Retirement
(1) 40-4
(1) VA6
(1) M2-1
(1) E1-2
(1) E3-10
(1) F1-2
(1) VM5-5
(182) 4ACSR
Off ROW

23.1
Retirement
(1) 30-6
(1) K11
(1) 2AT
(85) 2AT-W
On ROW

23.2
Retirement
(1) 2AT
(148) 2AT-W
Off ROW

22.1
Construction
(1) 45-3
(1) VA1-1
(1) M2-11A
(520) 1/0ACSR
Off ROW

23.2
Construction
(1) 2AT
(90) 2AT-W
Off ROW

23.8
Retirement
(1) VA5
(110) 2ACSR
Off ROW

23.8
Construction
(1) VA5
(65) 1/0ACSR
Off ROW

23.7N
Construction
(1) 45-3
(1) VA4
(1) G107A 240V10KVA CND1
(1) M2-11A
(1) E1-5G
(1) E3-10
(1) F5-3
(1) K11
(1) 2AT
(450) 1/0ACSR
Off ROW

18.3
Retirement
(1) A5
(410) 2ACSR
Off ROW

18.3
Construction
(1) VA5
(410) 1/0ACSR
Off ROW

18.2
Construction
(1) 45-3
(1) VA2
(1) G107A 240V25KVA CND1
(1) M2-11A
(1) E1-5G
(1) E3-10
(1) F5-3
(1) K11
(1) 2AT
(696) 1/0ACSR
Off ROW

19.1
Retirement
(1) 30-6
(1) J5
(1) M26-5LED70
(109) 2AT-W
Off ROW

19.2
Retirement
(1) K16C
(1) 2AT
(70) 2AT-W
Off ROW

19.2
Construction
(1) 2AT
(35) 2AT-W
Off ROW

19.3
Retirement
(1) 30-6
(1) K11
(1) 2AT
(1) M26-5LED70
(70) 2AT-W
Off ROW

19.3
Construction
(1) 35-5
(1) M2-11A
(1) E1-2
(1) E3-10
(1) F5-3
(1) K11-2
(2) 2AT
(1) M26-5LED70
(120) 2AT-W
Off ROW

21
Retirement
(1) 45-2
(1) VC2-2
(1) G105B 240V25KVA
(1) M2-1
(1) E2-2
(2) K11
(2) 2AT
(813) 336AAC
(271) 3/0ACSR
On ROW

21.4
Construction
(1) 45-3
(1) VA5
(1) G107A 240V15KVA CND1
(1) M2-11A
(2) E1-5G
(2) E3-10
(2) F5-3
(1) K11
(1) 2AT
(480) 1/0ACSR
Off ROW

22.2
Retirement
(416) 4ACSR
Off ROW

22.2
Construction
(416) 1/0ACSR
Off ROW

BYERS STA. 215+87.10 =
S.R. 28 CONST. { STA. 1316+55.00
N 638542.8901
E 2245340.0505

MATCH LINE STA. 1316+00 SEE SHT. NO. U4-6

MATCH LINE STA. 1329+00 SEE SHT. NO. U4-8

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

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STATE OF TENNESSEE

March 31, 2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RELOCATION

STA. 1316+00 TO STA. 1329+00

SCALE: 1"= 50'

2/27/2026
U:\a-al-projects\Volunteer Energy Cooperative\TDOT Project - Potato Farm Road to Hollow Lane\DGN\ELECTRIC RELOCATION sht 07.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U4-8

24.6
No Work
Off ROW

24.5
Retirement
(1) 40-5
(1) A1
(1) G107A 240V15KVA
(1) M2-11A
(2) K11
(2) 2AT
Off ROW

24.5
Construction
(1) 45-3
(1) VA1
(1) G107A 240V15KVA
(1) M2-11A
(1) K11
(1) 2AT
Off ROW

24N.1
Construction
(1) 45-3
(1) VA4
(1) M2-11A
(2) E1-5G
(2) E3-10
(2) F5-3
(230) 1/0ACSR
Off ROW

25N
Construction
(1) 60-H2 STEEL
(1) VC2-2PBSF
(1) M2-1C
(1) E1-5G
(1) E3-10
(1) F5-3A
(816) 795AAC
(272) 336AAC
Off ROW

24.7
No Work
Off ROW

24.6
24.7

24N.1
Retirement
(512) 4ACSR
Off ROW

1330

230

RECTOR STA. 233+63.78 =
S.R. 28 CONST. { STA. 1329+51.00
N 639818.9754
E 2245178.8082

26N
Construction
(1) 65-H2 STEEL
(1) VC1-2PF
(1) M2-1C
(600) 795AAC
(200) 336AAC
Off ROW

1335

POND

TOP OF BANK

29.5
No Work
Off ROW

29.6
29.5

29.6
No Work
Off ROW

1340

28N1
Construction
(1) 70-H2 STEEL
(1) VC8-2LSF
(1) M2-1C
(5) E1-5G
(5) E3-10
(5) F5-3A
(696) 795AAC
(232) 336AAC
Off ROW

NO BUSINESS CREEK

L.L. P.L. { RECTOR
S 88° 40' 13" E

24N
Construction
(1) 60-H2 STEEL
(1) VC1-3PF
(2) VA5-2
(1) M2-1C
(2) VSFC-1C
(357) 795AAC
(119) 336AAC
Off ROW

24N1

PASTURE

25N

24N

26N

27N
Construction
(1) 65-H2 STEEL
(1) VC1-3PF
(1) VA5-2
(1) M2-1C
(2) E1-5G
(2) E3-10
(2) F5-3A
(1) VSFC-1C
(603) 795AAC
(201) 336AAC
Off ROW

28N
Construction
(1) 70-H2 STEEL
(1) VC1-2PF
(1) M2-1C
(615) 795AAC
(205) 336AAC
Off ROW

28N1

TOP OF CUT

28N

TOP OF CUT

MATCH LINE STA. 1329+00 SEE SHT. NO. U4-7

MATCH LINE STA. 1342+00 SEE SHT. NO. U4-9

N 77° 01' 02" E

P.L. { GOSS
N 77° 01' 02" E

P.L. { S.R. 28
N 12° 58' 58" W

EIP

PRES. R.O.W.

S 64° 42' 13" W

22' HAUL ROAD

38' HAUL ROAD

TOP OF CUT

NO BUSINESS CREEK

GOSS STA. 240+00.00 =
S.R. 28 CONST. { STA. 1329+51.00
N 639818.9754
E 2245178.8082

25
Retirement
(1) 45-2
(1) VC1-2
(1) M2-1
(672) 336AAC
(224) 3/0ACSR
On ROW

27N1
Construction
(1) 45-4
(1) VA1
(1) M2-11A
(536) 1/0ACSR
Off ROW

5

26.1

26.1
Retirement
(1) K10C
(1) 2AT
(1) 1PH METER
(103) 2AT-W
Off ROW

N 3° 38' 36" W

25

26

P.L. { OLD S.R. 28
N 8° 25' 13" E

N 31° 02' 05" W

24N.3

GONE

S 85° 05' 52" E

24.9

24.10

24.11

24.8

26.2

26.2
Retirement
(1) 30-6
(1) E1-2
(1) E3-10
(1) F1-2
(1) K11
(1) 2AT
(117) 2AT-W
Off ROW

28

28
Retirement
(1) 55-2
(1) VC8
(1) M2-1
(990) 336AAC
(330) 3/0ACSR
Off ROW

27

24.9
Retirement
(1) 30-6
(2) K11
(2) 2AT
(20) 2AT-W
Off ROW

24.11
Retirement
(1) METER POLE
(1) K10C
(1) 2AT
(1) 1PH METER
(72) 2AT-W
Off ROW

26
Retirement
(1) 45-4
(1) VC1-3
(1) G105A 240V10KVA
(1) M2-1
(2) K11
(2) 2AT
(591) 336AAC
(197) 3/0ACSR
Off ROW

305

27
Retirement
(1) 55-2
(1) VC3
(1) VA5-2
(1) M2-1
(2) E1-2
(2) E3-10
(1) F1-2
(1023) 336AAC
(341) 3/0ACSR
Off ROW

24.8
Retirement
(1) A1
(1) UM8-1
Off ROW

24
Retirement
(1) 45-4
(1) VC2-2
(3) VA5-2
(1) M2-1
(2) M5-6
(2) M5-9
(747) 336AAC
(249) 3/0ACSR
Off ROW

24.8
Construction
(1) VA5
Off ROW

24N.3
Construction
(1) 45-3
(1) VA4
(1) M2-11A
(2) E1-5G
(2) E3-10
(2) F5-3
(730) 1/0ACSR
Off ROW

24N.3
Retirement
(386) 2ACSR
Off ROW

245

OLD S.R. 28 SOUTH STA. 300+00.00 =
GOSS STA. 242+05.00
N 639858.3600
E 2245379.7285

24.10
Retirement
(1) K4/0UG
(1) 1PH METER
(100) K4/0UG-W
Off ROW

27.2
No Work
Off ROW

27.2

27.1

27.1
Retirement
(1) 40-4
(1) VA5
(1) G105A 240V15KVA
(1) M2-1
(1) E1-2
(1) E3-10
(1) F1-2
(1) K11
(1) 2AT
(440) 1/0ACSR
Off ROW

27.1
Construction
(1) 45-3
(1) VA5
(1) G107A 240V15KVA CND1
(1) M2-11A
(2) E1-5G
(2) E3-10
(2) F5-3
(1) K11
(1) 2AT
(800) 1/0ACSR
Off ROW

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

SEALED BY

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Matt Pamperin

March 31, 2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RELOCATION

STA. 1329+00 TO STA. 1342+00

SCALE: 1"= 50'

2/27/2026
U:\a-al-projects\Volunteer Energy Cooperative\TDOT Project - Potato Farm Road to Hollow Lane 100260.03\Potato Farm Road to Hollow Lane\DGN\ELECTRIC RELOCATION sht 08.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U4-9

N

NO BUSINESS CREEK HAUL RD
STA. 0+00.00 =
N 641278.7955
E 2244963.4790

P.L. { S.R. 28
N 0° 55' 36" W

P.L. { PRYOR
N 46° 11' 38" E

N 87° 01' 16" E

S 83° 33' 52" E

LELAND PRYOR STA. 265+56.01 =
S.R. 28 CONST. { STA. 1344+33.00
N 641271.6678
E 2244893.7124

TOP OF CUT
CLEARCREEK STA. 278+84.7
S.R. 28 CONST. { STA. 13
N 642417.6422
E 2244888.5095

MATCH LINE STA. 1342+00 SEE SHT. NO. U4-8

MATCH LINE STA. 1355+00 SEE SHT. NO. U4-10

NO BUSINESS CREEK

TOP OF CUT

ROCK EIP

GRASS

1345

1350

265

290

29.1
Retirement
(1) A6
(532) 2ACSR
Off ROW

29.1
Construction
(1) VA6
(532) 1/0ACSR
Off ROW

29.2
No Work
Off ROW

29.3
No Work
Off ROW

29.4
Retirement
(1) 40-4
(1) VA1
(1) G105A 240V10KVA
(1) M2-1
(2) E1-5G
(1) E3-10
(1) F1-2
(2) J6
(1) K11
(3) 2AT
(954) 2ACSR
Off ROW

29.4
Construction
(1) 45-3
(1) VA1
(1) G107A 240V10KVA CND1
(1) M2-11A
(1) E1-5G
(1) E3-10
(1) F5-3
(1) K11
(1) 2AT
(254) 1/0ACSR
Off ROW

29.7
Retirement
(1) VA1
(2) J6
(1) K11
(3) 2AT
(510) 2ACSR
(510) 2ACSRUB
On ROW

29.7
Construction
(1) VA6
(1) G107A 240V15KVA CND1
(1) M2-11A
(1) K11
(1) 2AT
(510) 1/0ACSR
On ROW

29N
Construction
(1) 60-H2 STEEL
(1) VC2-2PBSF
(2) VA5-2
(1) M2-1C
(1) E1-5G
(1) E3-10
(1) F5-3A
(2) VSFC-1C
(711) 795AAC
(237) 336AAC
Off ROW

29
Retirement
(1) VC1-2
(1) E1-2
(1) E3-10
(1) F1-2
(2) VM5-6
(2) VM5-9
(660) 336AAC
(220) 3/0ACSR
Off ROW

29
Construction
(1) E1-5G
(1) E3-10
(1) F5-3
(710) 1/0ACSR
Off ROW

30
Retirement
(1) 45-4
(1) VC1-3
(1) M2-1
(600) 336AAC
(200) 3/0ACSR
Off ROW

30N
Construction
(1) 60-H2 STEEL
(1) VC1-3PF
(1) M2-1C
(825) 795AAC
(275) 336AAC
Off ROW

31
Retirement
(1) 45-4
(1) VC1-3
(1) G106A 240V15KVA
(1) M2-1
(2) K11
(2) 2AT
(603) 336AAC
(201) 3/0ACSR
Off ROW

31.1
Retirement
(1) 30-6
(1) J5
(139) 2AT-W
Off ROW

31.2
Retirement
(1) 2AT
(48) 2AT-W
Off ROW

31.2
Construction
(1) 2AT
(50) 2AT-W
Off ROW

31N
Construction
(1) 60-H2 STEEL
(1) VC1-3PF
(1) M2-1C
(558) 795AAC
(186) 336AAC
Off ROW

32
Retirement
(1) 55-2
(1) VC3M
(1) A5-2
(1) G105B 240V25KVA
(1) M2-1
(2) E1-2
(2) E3-10
(2) F1-2
(1) K11
(1) 2AT
(882) 336AAC
(294) 3/0ACSR
Off ROW

32.1
Retirement
(1) 35-5
(1) A4
(1) M2-1
(1) E1-5G
(1) E3-10
(1) F5-3
(106) 2ACSR
Off ROW

32.1
Construction
(1) 45-3
(1) VA4
(1) M2-11A
(1) E1-5G
(1) E3-10
(1) F5-3
(68) 1/0ACSR
Off ROW

32.1
No Work
Off ROW

32.2
Construction
(1) 45-3
(1) VA5
(1) G107B 240V25KVA CND1
(1) M2-11A
(1) E1-5G
(1) E3-10
(1) F5-3
(620) 1/0ACSR
Off ROW

32.2
Retirement
(1) 35-5
(1) A5
(1) G105B 240V25KVA
(1) M2-11A
(1) E1-2
(1) E3-10
(1) F1-2
(560) 2ACSR
Off ROW

32.3
No Work
Off ROW

32.4
No Work
Off ROW

32.5
No Work
Off ROW

32.6
Retirement
(1) 30-6
(2) K11
(2) 2AT
(1) UM8-1
(138) 2AT-W
Off ROW

32.7
Retirement
(1) K4/0UG
(1) 1PH METER
(150) K4/0UG-W
Off ROW

32.8
Retirement
(1) 30-6
(2) K11
(2) 2AT
(118) 2AT-W
Off ROW

32.9
Retirement
(1) METER POLE
(1) K10C
(1) 2AT
(1) 1PH METER
(85) 2AT-W
Off ROW

32N
Construction
(1) 70-H2 STEEL
(1) VC1-3PF
(1) VA5-2
(1) M2-1C
(1) VSFC-1C
(600) 795AAC
(200) 336AAC
Off ROW

33
Construction
(1) 60-H2 STEEL
(1) VC1-2PF
(1) M2-1C
(618) 795AAC
(206) 336AAC
Off ROW

33
Retirement
(1) 45-4
(1) VC1-2
(1) M2-1
(678) 336AAC
(226) 3/0ACSR
Off ROW

34
Construction
(1) 60-H2 STEEL
(1) VC1-2PF
(1) G106B 240V25KVA CND1
(1) M2-1C
(1) K11-2
(2) 2AT
(720) 795AAC
(240) 336AAC
Off ROW

34
Retirement
(1) 45-4
(1) VC1-2
(1) G106B 240V25KVA
(1) M2-1
(2) K11
(1) K11-2
(4) 2AT
(750) 336AAC
(250) 3/0ACSR
Off ROW

34.1
No Work
Off ROW

34.2
No Work
Off ROW

34.3
No Work
Off ROW

34.4
Retirement
(1) 30-6
(1) K11-2
(2) 2AT
(117) 2AT-W
Off ROW

34.5
Retirement
(1) METER POLE
(1) K10C
(1) 2AT
(1) 1PH METER
(33) 2AT-W
Off ROW

34.6
Retirement
(1) 30-6
(1) K11-2
(2) 2AT
(142) 2AT-W
Off ROW

34.7
Retirement
(1) 30-6
(1) E1-2
(1) E3-10
(1) F1-2
(2) K11-2
(4) 2AT
(99) 2AT-W
Off ROW

34.8
Retirement
(1) K16C
(1) 2AT
(1) 1PH METER
(57) 2AT-W
Off ROW

34.9
Retirement
(1) K16C
(1) 2AT
(1) 1PH METER
(115) 2AT-W
Off ROW

34.10
Retirement
(1) K16C
(1) 2AT
(1) 1PH METER
(81) 2AT-W
Off ROW

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

SEALED BY

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March 31, 2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RELOCATION

STA. 1342+00 TO STA. 1355+00

SCALE: 1"= 50'

2/27/2026
U:\a-al-projects\Volunteer Energy Cooperative\TDOT Project - Potato Farm Road to Hollow Lane 100260.03\Potato Farm Road to Hollow Lane\DGN\ELECTRIC RELOCATION sht 09.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U4-10

36.2
Construction
(1) 45-3
(1) VC1
(1) G106A 240V15KVA
(1) M2-11A
(1) K11
(1) 2AT
Off ROW

36.2
Retirement
(1) 40-5
(1) VC1
(1) G135 240V15KVA
(1) M2-11A
(1) K11
(1) 2AT
Off ROW

36.4
No Work
Off ROW

36.3
No Work
Off ROW

35
Construction
(1) 60-H2 STEEL
(1) VC1-3PF
(1) M2-1C
(792) 795AAC
(264) 336AAC
Off ROW

35
Retirement
(1) 45-4
(1) VC1-3
(1) M2-1
(852) 336AAC
(284) 3/0ACSR
Off ROW

37
Construction
(1) 65-H2 STEEL
(1) VM3-15F
(1) M2-15
(852) 795AAC
(284) 336AAC
Off ROW

38
Construction
(1) 65-H2 STEEL
(1) VC1-3PF
(1) VA5-2
(1) M2-1C
(1) E1-5G
(1) E3-10
(1) F5-3A
(1) VSFC-1C
(660) 795AAC
(220) 336AAC
Off ROW

39
Construction
(1) 60-H2 STEEL
(1) VC2-2PBSF
(1) VA5-2
(1) M2-1C
(2) E1-5G
(2) E3-10
(2) F5-3A
(1) VSFC-1C
(675) 795AAC
(225) 336AAC
Off ROW

38N
Construction
(1) 60-H2 STEEL
(1) VC1-3PF
(1) M2-1C
(672) 795AAC
(224) 336AAC
Off ROW

36.1
No Work
Off ROW

36
Retirement
(1) 45-4
(1) VC1-3
(1) VC7-1
(1) G105B 240V25KVA
(1) M2-1
(1) E2-2
(1) K11
(1) K11-2
(3) 2AT
(450) 336AAC
(150) 3/0ACSR
Off ROW

36
Construction
(1) 60-H2 STEEL
(1) VC1-3PF
(1) VC7F
(1) G106A 240V15KVA CND1
(1) M2-1C
(2) E2-2
(2) E3-9G
(1) K11
(1) 2AT
(3) VSFC-1C
(510) 795AAC
(170) 336AAC
Off ROW

37
Retirement
(1) 45-3
(1) VC8
(2) E1-2
(2) E3-10
(2) F1-2
(852) 336AAC
(284) 3/0ACSR
Off ROW

38
Retirement
(1) 45-4
(1) VC1
(1) VA5-2
(1) M2-1
(1) E1-2
(1) E3-10
(1) F1-2
(1) M5-10
(660) 2ACSR
(220) 2ACSR
Off ROW

39
Retirement
(1) 40-4
(1) C1-1
(1) A5-2
(1) G105A 240V15KVA
(1) M2-1
(1) E1-2
(1) E3-9
(1) E3-10
(1) F1-2
(2) K11
(2) 2AT
(1) M5-9
(1323) 2ACSR
(441) 2ACSR
Off ROW

39.1
Retirement
(1) 30-5
(1) M2-11A
(1) E1-5
(1) E3-10
(1) F1-2
(1) K11
(1) 2AT
(150) 2AT-W
Off ROW

36.10
Construction
(1) 40-4
(1) M2-12A
(2) E1-5G
(2) E3-10
(2) F5-3A
Off ROW

38.2
Retirement
(1) K16C
(1) 2AT
(1) 1PH METER
(67) 2AT-W
Off ROW

36.9
Retirement
(1) K4/0UG
(1) 1PH METER
(70) K4/0UG-W
Off ROW

36.7
Retirement
(1) 40-5
(1) J5
(72) 2AT-W
Off ROW

36.8
Retirement
(1) 30-6
(1) E1-2
(1) E3-9G
(1) E3-10
(1) F1-2
(1) K11
(1) 2AT
(1) UM8-1
(1) M26-5A
(83) 2AT-W
Off ROW

38.1
Retirement
(1) 40-5
(1) VA6
(1) G107A 240V15KVA
(1) M2-1
(1) E1-2
(1) E3-10
(1) F1-2
(1) K11
(1) 2AT
(1) M26-5LED70
(474) 2ACSR
Off ROW

38.3
Construction
(1) 45-4
(1) VA6
(1) M2-11A
(1) E1-5G
(1) E3-10
(1) F5-3
(558) 1/0ACSR
Off ROW

39.3
Retirement
(1) 40-4
(1) A6
(1) G105A 240V10KVA
(1) M2-1
(1) E1-5G
(1) E3-10
(1) F1-2
(1) K11
(1) 2AT
(620) 2ACSR
Off ROW

39.3
Construction
(1) 45-3
(1) VA2
(1) G107A 240V10KVA CND1
(1) M2-11A
(1) E1-5G
(1) E3-10
(1) F5-3
(1) K11
(1) 2AT
(620) 1/0ACSR
Off ROW

39.4
No Work
Off ROW

39.5
No Work
Off ROW

39.6
Retirement
(1) A5
(1) E1-2
(1) E3-10
(1) F1-2
(506) 2ACSR
Off ROW

39.6
Construction
(1) VA5
(1) E1-5G
(1) E3-10
(1) F5-3
(506) 1/0ACSR
Off ROW

MATCH LINE STA. 1355+00 SEE SHT. NO. U4-9

MATCH LINE STA. 1367+50 SEE SHT. NO. U4-11

P.L. { CLEARCREEK
S 84° 55' 40" E

P.L. { S.R. 28
N 6° 55' 21" E

P.L. { S.R. 28
N 0° 55' 36" W

CLEARCREEK STA. 278+84.79 =
S.R. 28 CONST. { STA. 1355+80.00
N 642417.6422
E 2244888.5095

9 =
55+80.00

PROJECT CENTER
STA. 1412+86 (CENTERED BETWEEN 1282+00 AND 1443+15.11)
N: 643098.8145
E: 2244932.8847
LAT: 36 05 47.06603 N
LONG: 85 03 51.54779 W

FUTURE S.R. 28

PASTURE

UNNAMED TRIBUTARY

UNNAMED TRIBUTARY

METAL STAKE

OBSCURED

WELL

1360

1365

2755

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

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Matt Pamperin

March 31, 2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RELOCATION

STA. 1355+00 TO STA. 1367+50

SCALE: 1"= 50'

2/27/2026
U:\a-al-projects\Volunteer Energy Cooperative\TDOT Project - Potato Farm Road to Hollow Lane 100260.03\Potato Farm Road to Hollow Lane\DGN\ELECTRIC RELOCATION sht 10.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U4-11

CONLEY STA. 290+36.03 =
S.R. 28 CONST. { STA. 1375+46.00
N 644378.0352
E 2244868.7341

39N
Construction
(1) 60-H2 STEEL
(1) VC1-2PF
(1) M2-1C
(720) 795AAC
(240) 336AAC
Off ROW

40
Retirement
(1) 40-4
(1) C1
(1) M2-1
(1125) 2ACSR
(375) 2ACSR
Off ROW

40N
Construction
(1) 60-H2 STEEL
(1) VC1-2PF
(1) M2-1C
(720) 795AAC
(240) 336AAC
Off ROW

40N1
Construction
(1) 60-H2 STEEL
(1) VC1-2PF
(1) M2-1C
(720) 795AAC
(240) 336AAC
Off ROW

41
Retirement
(1) 45-4
(1) VM3-3
(1) G105A 240V15KVA
(1) M2-1
(1) K11
(1) 2AT
(1395) 2ACSR
(465) 2ACSR
On ROW

41N
Construction
(1) 60-H2 STEEL
(1) VM3-3LF
(1) M2-1C
(720) 795AAC
(240) 336AAC
On ROW

42
Construction
(1) 65-H2 STEEL
(1) VC2-2PF
(1) VA5-2
(1) M2-1C
(3) E1-5G
(3) E3-10
(3) F5-3A
(720) 795AAC
(240) 336AAC
On ROW

42
Retirement
(1) 45-4
(1) C2
(1) A5-2
(1) M2-1
(1) E2-2
(2) E1-2
(2) E3-10
(2) E1-2
(3) J6
(3) 2AT
(1092) 2ACSR
(364) 2ACSR
On ROW

42.1
Retirement
(1) 35-5
(2) E1-2
(2) E3-10
(2) F1-2
On ROW

41.1
Retirement
(1) 30-6
(1) K11
(1) K11-2
(1) J5
(3) 2AT
(102) 2AT-W
On ROW

41.2
Retirement
(1) K16C
(1) 2AT
(1) 1PH METER
(86) 2AT-W
Off ROW

41.3
Retirement
(1) 30-6
(1) K11
(1) 2AT
(1) M26-5A
(65) 2AT-W
Off ROW

42.3
Retirement
(1) K10
(1) 2AT
(1) 1PH METER
(86) 2AT-W
Off ROW

42.2
Retirement
(1) 30-6
(1) J5
(152) 2AT-W
On ROW

46N6
No Work
Off ROW

OLD S.R. 28 WES
S.R. 28 CONST.
N 645080.8229
E 2244691.3426

OLD S.R. 28 EAST
S.R. 28 CONST. {
N 645080.8229
E 2244691.3426

PASTURE
POND
FUTURE S.R. 28
P.L. | S.R. 28 N 0° 55' 36" W
P.L. | S.R. 28 N 15° 00' 56" W
P.L. | CONLEY S 88° 24' 10" E
P.L. | CONLEY N 79° 24' 06" E
MATCH LINE STA. 1367+50 SEE SHT. NO. U4-10
MATCH LINE STA. 1380+50 SEE SHT. NO. U4-12
1370
1375
1380
1260

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STATE OF TENNESSEE

Matt Pamperin

March 31, 2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RELOCATION

STA. 1367+50 TO STA. 1380+50

SCALE: 1"= 50'

2/27/2026
U:\a-al-projects\Volunteer Energy Cooperative\TDOT Project - Potato Farm Road to Hollow Lane 100260.03\Potato Farm Road to Hollow Lane\DGN\ELECTRIC RELOCATION sht 11.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U4-12

43.2
43.2
No Work
Off ROW
43.1
43.1
No Work
Off ROW
43
No Work
On ROW
43
43N
Construction
(1) 65-H2 STEEL
(1) VC1-3PF
(1) M2-1C
(675) 795AAC
(225) 336AAC
Off ROW
43N
43N2
MATCH LINE STA. 1380+50 SEE SHT. NO. U4-11
P.L. (S.R. 28)
N 15° 00' 56" W
43N1
44.2
44.2
No Work
Off ROW
44.1
No Work
Off ROW
44.1
44
No Work
On ROW
44
45
No Work
On ROW
45
P.L. (OLD SR 28 WEST)
S 73° 44' 11" E
1385
44N
Construction
(1) 65-H2 STEEL
(2) VC7-3L
(1) M2-1C
(8) E1-5G
(8) E3-10
(8) F5-3A
(675) 795AAC
(225) 336AAC
Off ROW
44N
N 74° 59' 04" E
45N
UNNAMED TRIBUTARY
STR-7
TOP OF CUT
T STA. 324+86.73 =
(STA. 1382+71.00
STA. 330+00.00 =
STA. 1382+71.00
P.L. (OLD SR 28 EAST)
N 17° 28' 00" E
45N
Construction
(1) 65-H2 STEEL
(2) VC7-3L
(1) M2-1C
(8) E1-5G
(8) E3-10
(8) F5-3A
(588) 795AAC
(196) 336AAC
Off ROW
43N2
Retirement
(1) K16C
(1) 2AT
(1) 1PH METER
(40) 2AT-W
Off ROW
43N1
Retirement
(1) 40-5
(1) C1
(1) G105A 240V15KVA
(1) M2-1
(1) K11
(1) 2AT
(1) M26-5LED70
(894) 2ACSR
(298) 2ACSR
Off ROW
46N5
46N5
No Work
Off ROW
POND
LICKFORK CREEK HAUL RD. SOUTH
STA. 2+00.00 =
N 646012.2050
E 2244434.1460
1390
46.1
46.1
No Work
Off ROW
46.2
46.2
No Work
Off ROW
46
46
No Work
On ROW
46.3
No Work
Off ROW
46.3
46.4
No Work
Off ROW
46.4
FUTURE S.R. 28
46N2
Retirement
(1) 1PH METER
(62) K4/0UG-W
Off ROW
46N2
TOP OF CUT
N 15° 38' 45" W
MATCH LINE STA. 1393+00 SEE SHT. NO. U4-13
46N1
46N1
Retirement
(1) UM2-1-1
(315) 1/0UG 220MIL
Off ROW
46N4
46N4
Retirement
(1) 1PH METER
(72) K4/0UG-W
Off ROW
46N3
46N
TOP OF CUT
N 10° 39' 36" E
47
Retirement
(1) 40-4
(1) C1-2
(1) M2-1
Off ROW
47
Construction
(1) 50-2
(1) VC8
(1) M2-1
Off ROW
46N3
Retirement
(1) 30-6
(1) K11
(1) 2AT
(1) UM8-1
(1) M26-5A
(120) 2AT-W
Off ROW
46N
Retirement
(1) 40-5
(1) C1
(1) A5-2
(1) G105A 240V15KVA
(1) M2-1
(1) K11
(1) 2AT
(1) UM2-1-1
(1317) 2ACSR
(439) 2ACSR
Off ROW
46N
Construction
(1) 60-H2 STEEL
(1) VC8-2LSF
(1) VA5-2
(1) M2-1C
(5) E1-5G
(5) E3-10
(5) F5-3A
(1) VSFC-1C
(768) 795AAC
(256) 336AAC
Off ROW

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

SEALED BY

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March 31, 2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RELOCATION

STA. 1380+50 TO STA. 1393+00

SCALE: 1"= 50'

2/27/2026
U:\a-al-projects\Volunteer Energy Cooperative\TDOT Project - Potato Farm Road to Hollow Lane 100260.03\Potato Farm Road to Hollow Lane\DGN\ELECTRIC RELOCATION sht 12.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U4-13

47T1
47T1
No Work
Off ROW

48T1
No Work
Off ROW

48T1

LICKFORK CREEK HAUL RD. NORTH STA. 12+64.46 =
LICKFORK CREEK HAUL RD. NORTH 2 STA. 25+00.00
N 646630.5894
E 2244486.8799

49T1
49T1
No Work
Off ROW

1395
1400
1405
15
20
5
10

EIP
EIP

22' HAUL ROAD
22' HAUL ROAD

LICKFORK CREEK NORTH

LIMIT OF CONST.
17+15.49
FUTURE S.R. 28

TOE OF FILL

TOP OF CUT

TOP OF BANK

LICKFORK CREEK

N 15° 38' 45" W

S 83° 19' 22" E
LICKFORK CREEK SOUTH

N 81° 22' 09" W

S 78° 13' 09" E
LICKFORK CREEK NORTH 2

P.L. { S.R. 28

POND

MB

MATCH LINE STA. 1393+00 SEE SHT. NO. U4-12

MATCH LINE STA. 1406+00 SEE SHT. NO. U4-14

LIMIT OF CONST.
7+47.00

LIMIT OF CONST.
STA. 26+51.95

TOP OF CUT

GROUND OBSCURED

LICKFORK CREEK HAUL RD. NORTH
STA. 10+00.00 =
N 646468.9045
E 2244609.8386

47.2
47.2
No Work
Off ROW

47.1
47.1
No Work
Off ROW

47.3
47.3
No Work
Off ROW

POND

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

SEALED BY

MATTHEW PAMPERIN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 122411
STATE OF TENNESSEE

Matt Pamperin

March 31, 2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

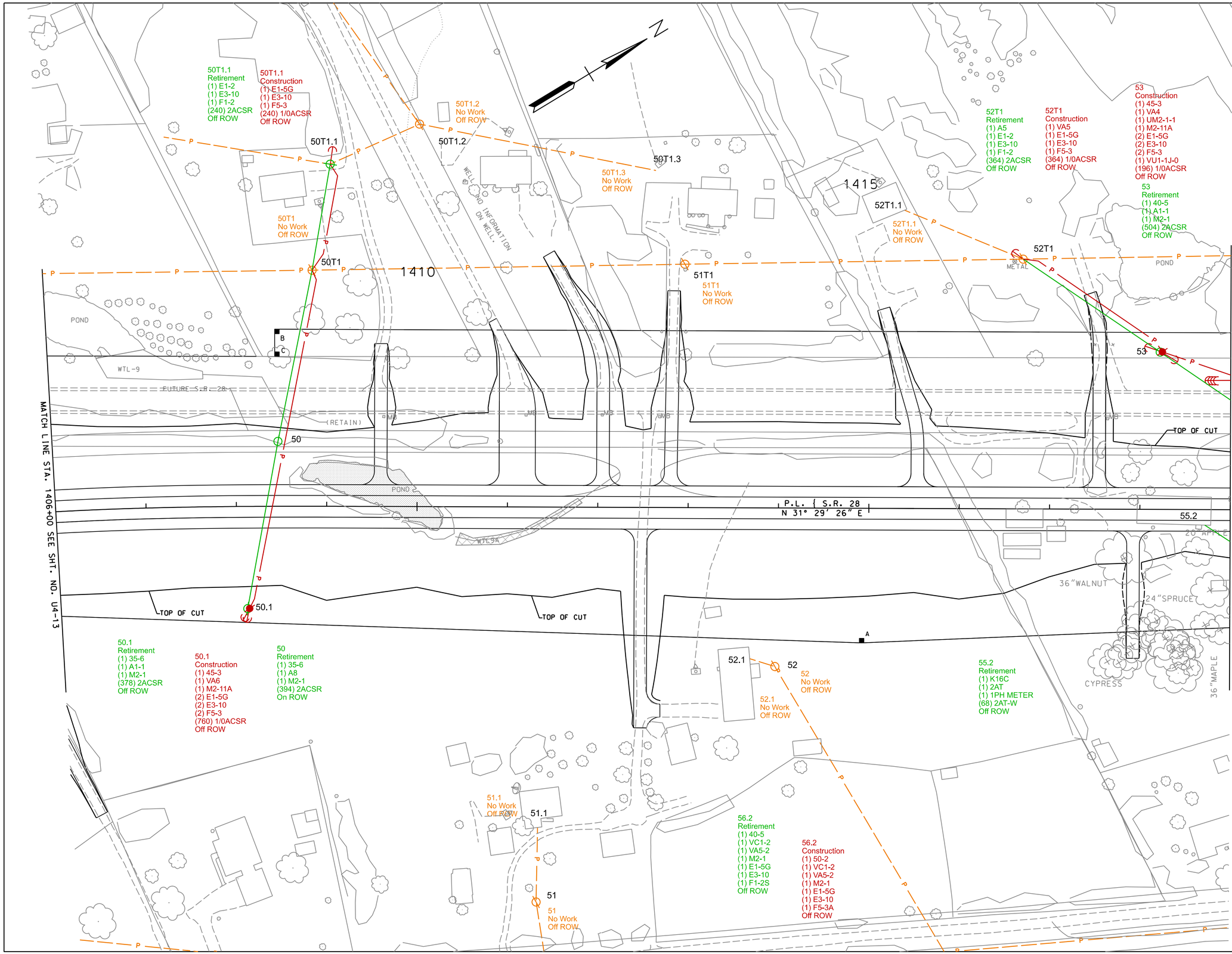
ELECTRIC RELOCATION

STA. 1393+00 TO STA. 1406+00

SCALE: 1"= 50'

2/27/2026
U:\a-al-projects\Volunteer Energy Cooperative\TDOT Project - Potato Farm Road to Hollow Lane 100260.03\Potato Farm Road to Hollow Lane\DGN\ELECTRIC RELOCATION sht 13.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U4-14



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00012 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

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MATTHEW PAMPERIN
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COMMERCE
No. 122311
STATE OF TENNESSEE

Matt Pamperin

March 31, 2026

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

ELECTRIC RELOCATION

STA. 1406+00 TO STA. 1419+00

SCALE: 1"= 50'

2/27/2026
U:\a-al-projects\Volunteer Energy Cooperative\TDOT Project - Potato Farm Road to Hollow Lane 100260.03\Potato Farm Road to Hollow Lane\DGN\ELECTRIC RELOCATION sht 14.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U4-15

HOLLOW LANE STA. 310+36.00 =
S.R. 28 CONST. ℄ STA. 1427+94.00
N 649214.8124
E 2246016.9949

54N
Construction
(1) 65-H2 STEEL
(2) VC7-3L
(1) VA5-2
(1) M2-1C
(8) E1-5G
(8) E3-10
(8) F5-3A
(825) 795AAC
(275) 336AAC
On ROW

58.1
Retirement
(1) A5
(450) 2ACSR
Off ROW

58.1
Construction
(1) VA5
(240) 1/0ACSR
Off ROW

58N
Construction
(1) 60-H2 STEEL
(1) VC1-3PF
(1) VA5-2
(1) M2-1C
(2) E1-5G
(2) E3-10
(2) F5-3A
(771) 795AAC
(257) 336AAC
On ROW

59.1
Retirement
(1) 40-5
(1) A1
(1) G105A 240V10KVA
(1) M2-1
(1) K11
(1) 2AT
(662) 2ACSR
Off ROW

59.2
Retirement
(1) K10
(1) 2AT
(1) 1PH METER
(40) 2AT-W
Off ROW

61N1
Construction
(1) 60-H2 STEEL
(1) VC1-2PF
(1) M2-1C
(678) 795AAC
(226) 336AAC
On ROW

61N2
Construction
(1) 60-H2 STEEL
(1) VC1-2PF
(1) M2-1C
(1) M7-13B
(3) 167KVA REGULATOR
(60) 795AAC
(20) 336AAC
On ROW

59N
Construction
(1) 75-H2 STEEL
(1) VC1-3PF
(1) M2-1C
(738) 795AAC
(246) 336AAC
On ROW

61T1
No Work
Off ROW

58T1
No Work
Off ROW

58.2
No Work
Off ROW

57N
Construction
(1) 75-H2 STEEL
(1) VC1-3PF
(1) M2-1C
(768) 795AAC
(256) 336AAC
On ROW

54T1
61T1
58T1
1420
1425
1430
58.1
58.2
POND
UNNAMED TRIBUTARY
METER
54N
57N (RETAIN)
58' OF RCBC
4'-0" RCBC
58N
59N
61N2
61N1
FUTURE S.R. 28
TOP OF CUT
59.1
59.2
54
55.1
55
20"& 24"CYPRESS
24"CYPRESS
P.L. ℄ S.R. 28
N 31° 29' 26" E
S 58° 30' 34" E
TOE OF FILL
TOP OF CUT
59.4
59.3
59R1
59R2
61
61.1
61.2
P.L. ℄ HOLLOW
S 2° 58' 45" W
55N
59
59.5
56.3
56.1
56
57
MATCH LINE STA. 1419+00 SEE SHT. NO. U4-14
MATCH LINE STA. 1431+50 SEE SHT. NO. U4-16

54
Retirement
(1) 45-4
(1) A4
(1) M2-1
(2) E1-2
(2) E3-10
(2) F1-2
(392) 2ACSR
Off ROW

55
Retirement
(1) 40-4
(1) A1
(1) A5
(1) M2-1
(1) E1-2
(1) E3-10
(1) F1-2
(620) 2ACSR
Off ROW

55.1
Retirement
(1) 40-5
(1) A5
(1) G105A 240V15KVA
(1) M2-1
(1) E1-2
(1) E3-10
(1) F1-2
(1) K11
(1) 2AT
(172) 2ACSR
Off ROW

56.1
Retirement
(1) 40-4
(1) VA3
(1) G105A 240V15KVA
(1) M2-11A
(1) E1-5G
(1) E3-10
(1) F1-2S
(1) K11
(1) 2AT
(500) 2ACSR
Off ROW

55.1
Construction
(1) 65-H2 STEEL
(1) VC1-3PF
(1) M2-1C
(585) 795AAC
(195) 336AAC
Off ROW

55.N
Construction
(1) 65-H2 STEEL
(1) VC1-3PF
(1) M2-1C
(1) E1-5G
(1) E3-10
(1) F5-3A
(564) 795AAC
(188) 336AAC
Off ROW

56.3
Retirement
(99) 2AT
Off ROW

56.3
Construction
(115) 2AT
Off ROW

57
Retirement
(1) 40-5
(1) C1-3
(1) M2-1
Off ROW

57
Construction
(1) 55-2
(1) VC8
(1) M2-1
(2) E1-5G
(2) E3-10
(2) F5-3A
Off ROW

59
Retirement
(1) VA5-2
(1) E1-5G
(1) E3-10
(1) F1-2
(1) K11
(1) 2AT
Off ROW

56
Retirement
(1) 40-5
(1) VC1
(1) VA5-2
(1) G105A 240V10KVA
(1) M2-1
(1) E1-2
(1) E3-10
(1) F1-2
(1) K11
(1) 2AT
Off ROW

56
Construction
(1) 65-H2 STEEL
(1) VC1-2F
(1) VC7-3LF
(1) G107A 240V10KVA CND1
(1) M2-1C
(4) E1-5G
(4) E3-10
(4) F5-3A
(1) K11
(1) 2AT
(660) 795AAC
(220) 336AAC
Off ROW

59.5
No Work
Off ROW

59.4
Retirement
(1) K4/0UG
(1) 1PH METER
(65) K4/0UG-W
Off ROW

59.3
Retirement
(1) 30-6
(1) K11
(1) 2AT
(1) UM8-1
(131) 2AT-W
On ROW

61.1
Retirement
(1) 30-6
(2) K11
(2) 2AT
(106) 2AT-W
Off ROW

59R1
Retirement
(1) M7-13BS
(3) 167KVA REGULATOR
Off ROW

59R1
Construction
(1) VC7
(3) E1-5G
(3) E3-10
(3) F5-3A
Off ROW

59R2
Retirement
(1) 45-2
(1) M2-1
(80) 2ACSR
Off ROW

61
Retirement
(1) 40-5
(1) C2
(1) G105A 240V10KVA
(1) M2-1
(1) E1-5G
(1) E3-10
(1) F1-2
(1) K11
(1) 2AT
(201) 2ACSR
(67) 2ACSR
Off ROW

61.2
Retirement
(1) K16C
(1) 2AT
(1) 1PH METER
(60) 2AT-W
Off ROW

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SEALED BY

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STATE OF TENNESSEE

Matt Pamperin

March 31, 2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

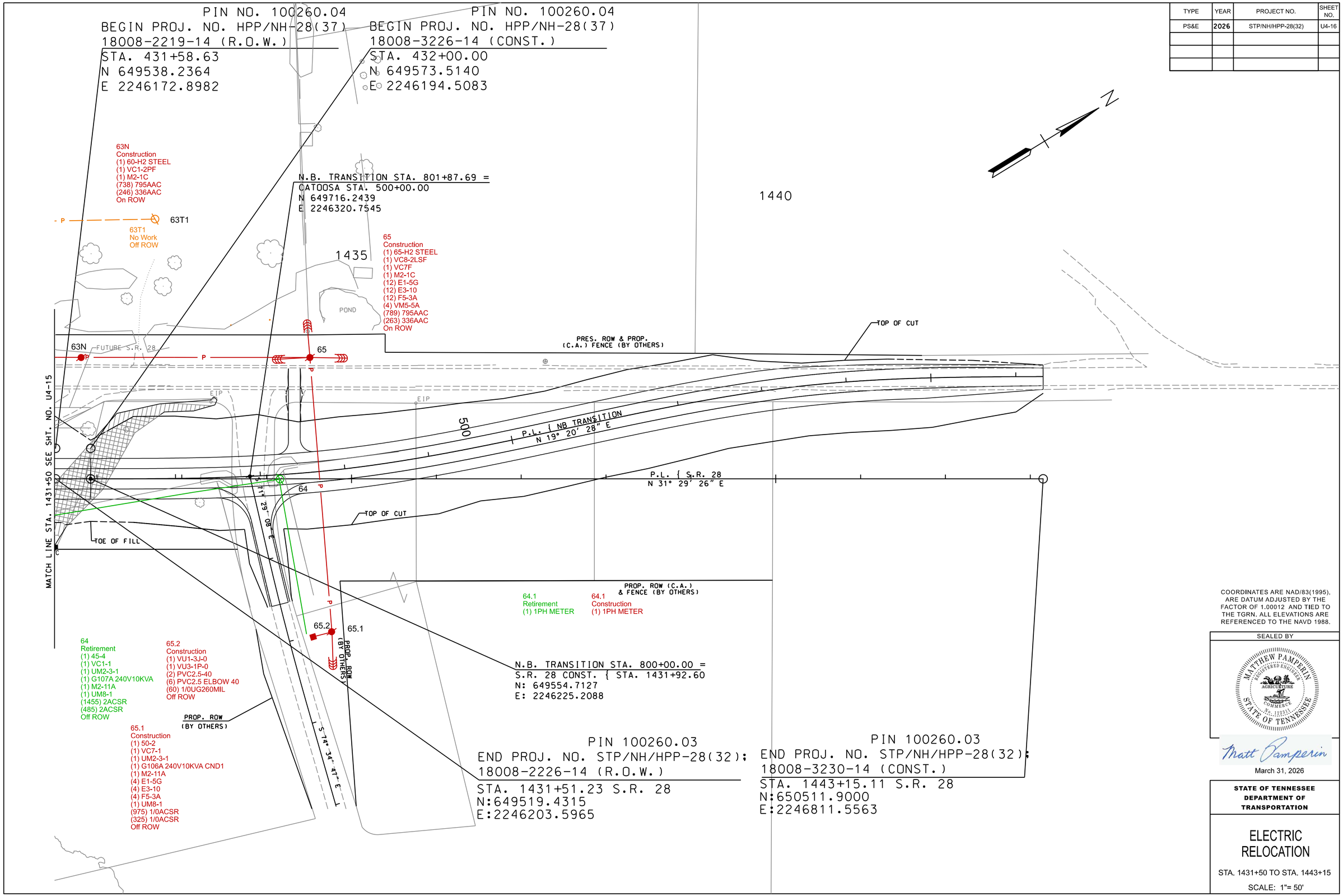
ELECTRIC RELOCATION

STA. 1419+00 TO STA. 1431+50

SCALE: 1"= 50'

2/27/2026
U:\a-al-projects\Volunteer Energy Cooperative\TDOT Project - Potato Farm Road to Hollow Lane 100260.03\Potato Farm Road to Hollow Lane\DGN\ELECTRIC RELOCATION sht 15.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U4-16



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No. 122311
STATE OF TENNESSEE

Matt Pamperin

March 31, 2026

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

ELECTRIC RELOCATION

STA. 1431+50 TO STA. 1443+15

SCALE: 1"= 50'

2/27/2026
U:\a-al-projects\Volunteer Energy Cooperative\TDOT Project - Potato Farm Road to Hollow Lane 100260.03\Potato Farm Road to Hollow Lane\DGN\ELECTRIC RELOCATION sht 16.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U5-1
		100260.03	

INDEX OF DRAWINGS

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U5-2 COMMUNICATION GENERAL NOTES
U5-3 UTILITY RELOCATION STA. 1282+00 TO STA. 1290+00
U5-4 UTILITY RELOCATION STA. 1290+00 TO STA. 1303+00
U5-5 UTILITY RELOCATION STA. 1303+00 TO STA. 1316+00
U5-6 UTILITY RELOCATION STA. 1316+00 TO STA. 1329+00
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U5-14 UTILITY RELOCATION STA. 1419+00 TO STA. 1431+50
U5-15 PROPOSED POLE LOCATIONS

ESTIMATED UTILITY QUANTITIES

TELEPHONE QUANTITIES		100% PROJ./0% UTILITY		BEN LOMAND CONNECT	FOOTNOTES
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	ITEM DESCRIPTION	(NUMBERED FOOTNOTES ARE AT BOTTOM OF THIS ITEM LIST)
793-01.01	POLE 30FT CLASS 4 WOOD	EACH	1	PLAC-30-4	1
793-01.12	POLE 40FT CLASS 4 WOOD	EACH	1	PLAC-40-4	1
793-01.40	ANCHOR 3/4IN	EACH	30	PLAC-PF5-3A	2
793-01.41	ANCHOR 1IN	EACH	31	PLAC-PF3-5A	2
793-02.08	GUY WIRE 10M OR 3/8IN	EACH	81	PLAC-PE1-3G	INCLUDES SETUP, TRAFFIC CONTROL, GUY WIRE, GUARD, BONDING/GROUNDING AND POLE HARDWARE
793-02.92	OVERHEAD GUY WIRE (10M OR 3/8IN)	EACH	4	PLAC-PE2-3G	INCLUDES SETUP, TRAFFIC CONTROL, GUY WIRE, GUARD, BONDING/GROUNDING AND POLE HARDWARE
793-02.99	INSTALL GUY GUARD	EACH	76	PLAC-PM11	
793-03.03	10M STRAND	L.F.	26,254	PLAC-10M STRAND	4
793-03.40	INSTALL STRAND BOND	EACH	60	PLAC-PM2A	
793-04.01	RELASH/DELASH CABLE	L.F.	7,910	PLAC-WCA	INCLUDES REMOVING BONDING AND GROUNDING, REMOVING STRAND, REBONDING AND GROUNDING, AND RELASHING CABLE
793-04.02	2 PAIR AERIAL DROP	L.F.	810	PLAC-SEAO(2)	5
793-04.07	AERIAL SPLICE CLOSURE	EACH	32	PLAC-HACO()	6
793-04.13	AERIAL SPLICE CLOSURE (3M)	EACH	4	PLAC-HACO()(3M)	6
793-07.01	12 FIBER(MATERIAL ONLY)	L.F.	7,382	PLAC-BFO, CO, UO M.O.	8
793-07.02	24 FIBER(MATERIAL ONLY)	L.F.	880	PLAC-CO M.O.	8
793-07.04	48 FIBER(MATERIAL ONLY)	L.F.	6,502	PLAC-CO, UO M.O.	8
793-07.05	96 FIBER(MATERIAL ONLY)	L.F.	14,102	PLAC-CO, UO M.O.	8
793-07.07	144 FIBER(MATERIAL ONLY)	L.F.	11,858	PLAC-CO M.O.	8
793-07.10	288 FIBER(MATERIAL ONLY)	L.F.	17,594	PLAC-CO, UO M.O.	8
793-07.16	12-96 FIBER(INSTALLATION ONLY)	L.F.	28,866	PLAC-BFO, CO, UO LABOR	9
793-07.17	108-144 FIBER(INSTALLATION ONLY)	L.F.	11,858	PLAC-CO LABOR	9
793-07.19	288-432 FIBER(INSTALLATION ONLY)	L.F.	17,594	PLAC-CO, UO LABOR	9
793-07.25	SINGLE FIBER OPTIC CABLE SPLICE	EACH	468	PLAC-HO1	
793-07.83	REARRANGE FIBER DROP	EACH	4	PLAC-WSEAO	
793-07.90	INSTALL FIBER STORAGE BRACKET	EACH	51	PLAC-FOSB(A)(2), (3), (5)	
793-07.91	REARRANGE EXISTING FIBER STORAGE BRACKET	EACH	9	PLAC-WFOSB	
793-11.13	BURIED RISER GUARD	EACH	10	PLAC-BM80, 83	INCLUDES MOUNTING HARDWARE, BONDING/GROUNDING
793-11.14	2 PAIR BURIED DROP	L.F.	1,500	PLAC-SEBO(2)	12
793-11.50	REARRANGE EX SPLICE CASE	EACH	15	PLAC-WHACO(1)	
793-11.51	REARRANGE WORKING FIBER SPLICE	EACH	3,616	PLAC-WHO1, WHO1N	
793-12.02	REARRANGEMENT EXISTING CABLE	EACH	2	PLAC-WBFCR	INCLUDES DIGGING UP CABLE, MOVING CABLE, RESETTING PED, BONDING AND GROUNDING, PEST CONTROL, GRAVEL BACKFILL, OTHER SURFACE RESTORATION
793-13.27	4 DUCT FORMATION @ 36IN DEPTH	L.F.	120	PLAC-UD(4X1-3")	16
793-15.01	TRANSFER CABLE ATTACHMENT	EACH	51	PLAC-WC1, WC2	TRANSFER CABLE ATTACHMENTS ON THE POLE LINE INCLUDING ALL HARDWARE AND TRAFFIC CONTROL
793-16.45	DIRECTIONAL BORE 1.25IN/FLEX SLEEVE	L.F.	60	PLAC-BM60(1.25)D	
793-98.01	REMOVE AERIAL CABLE AND WIRE	L.F.	25,792	PLAC-XXCA, XXUO	INCLUDES ALL CABLES, DROPS, GUYS, STRAND, FUSE LINKS, TERMINALS
793-98.04	REMOVE POLE ALL SIZES	EACH	41	PLAC-XXPOLE	INCLUDES TRAFFIC CONTROL, LABOR AND EQUIPMENT
793-98.07	REMOVE UNDERGROUND TO OVERHEAD RISER	EACH	2	PLAC-XXBFCR	
793-98.08	REMOVE ANCHOR(ANY SIZE)	EACH	29	PLAC-XXPF	
793-98.09	REMOVE DOWN GUY	EACH	47	PLAC-XXPE	
793-98.21	TRIM UTILITY RIGHT-OF-WAY	L.F.	356	PLAC-R2-5M	

FOOTNOTES: (PLEASE SEE CONTRACT SPECIFICATIONS FOR DESCRIPTION OF ALL UNITS)

(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.
(4) INCLUDES ALL MATERIALS, LABOR, EQUIPMENT INCLUDING BUT NOT LIMITED TO TRAFFIC CONTROL, BONDING/GROUNDING, AND TENSIONING.
(5) INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO HARDWARE, TENSIONING, FUSING, TERMINATION AT THE POLE AND CUSTOMER NETWORK INTERFACE.
(6) INCLUDES ALL MATERIALS, LABOR, EQUIPMENT INCLUDING BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL, MOUNTING HARDWARE, BONDING/GROUNDING, AND SPLICING.
(8) INCLUDES ALL MATERIALS AND EQUIPMENT INCLUDING BUT NOT LIMITED TO MOUNTING HARDWARE, BONDING/GROUNDING, STRAND SIZE AS INDICATED IN SPECS., AND LOOPS.
(9) INCLUDES ALL LABOR INCLUDING TRAFFIC CONTROL AND SETUP.
(12) INCLUDES ALL MATERIALS, LABOR, EQUIPMENT INCLUDING BUT NOT LIMITED TO HARDWARE, FUSING, TERMINATION AT THE POLE AND CUSTOMER, NETWORK INTERFACE, TRAFFIC CONTROL AND SETUP.
(16) 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, SETUP, TRAFFIC CONTROL.

REVISED: FEBRUARY 11, 2026

CAROL LEIGH BRACKETT REGISTERED ENGINEER AGRICULTURE COMMERCE No. 108179 STATE OF TENNESSEE

Carol Leigh Brackett 12/17/25

UTILITY INFORMATION

BEN LOMAND CONNECT
P.O. BOX 670; McMINNVILLE, TENNESSEE 37110
CONTACT: RICHARD BOYD
PHONE: (931)688-4132
EMAIL: richardboyd@benlomand.org

BEN LOMAND CONNECT

JOB NUMBER: 759
W.O. #40188
DRAWN: ZS
CHECKED: CLB

LADD ENGINEERING
P.O. BOX 680747
FORT PAYNE, ALABAMA 35968
(256)845-0601

SCALE: 1"= 50'

DATE: 12/17/2025

COMMUNICATION RELOCATION ESTIMATED QUANTITIES

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U5-2
		100260.03	

GENERAL NOTES TO CONTRACTOR

STANDARD UTILITY NOTES

(1) EXCEPT FOR EROSION AND 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. (NOTE TO UTILITY: A SPECIFIC TEMPORIZATION ITEM CAN BE INCLUDED IN THE PLANS IF IT IS A MAJOR ITEM OF WORK.)

(4) IT SALL 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-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.

CAROL LEIGH BRACKETT
REGISTERED ENGINEER
No. 108179
STATE OF TENNESSEE
Carol Leigh Brackett 12/17/25

BEN LOMAND CONNECT

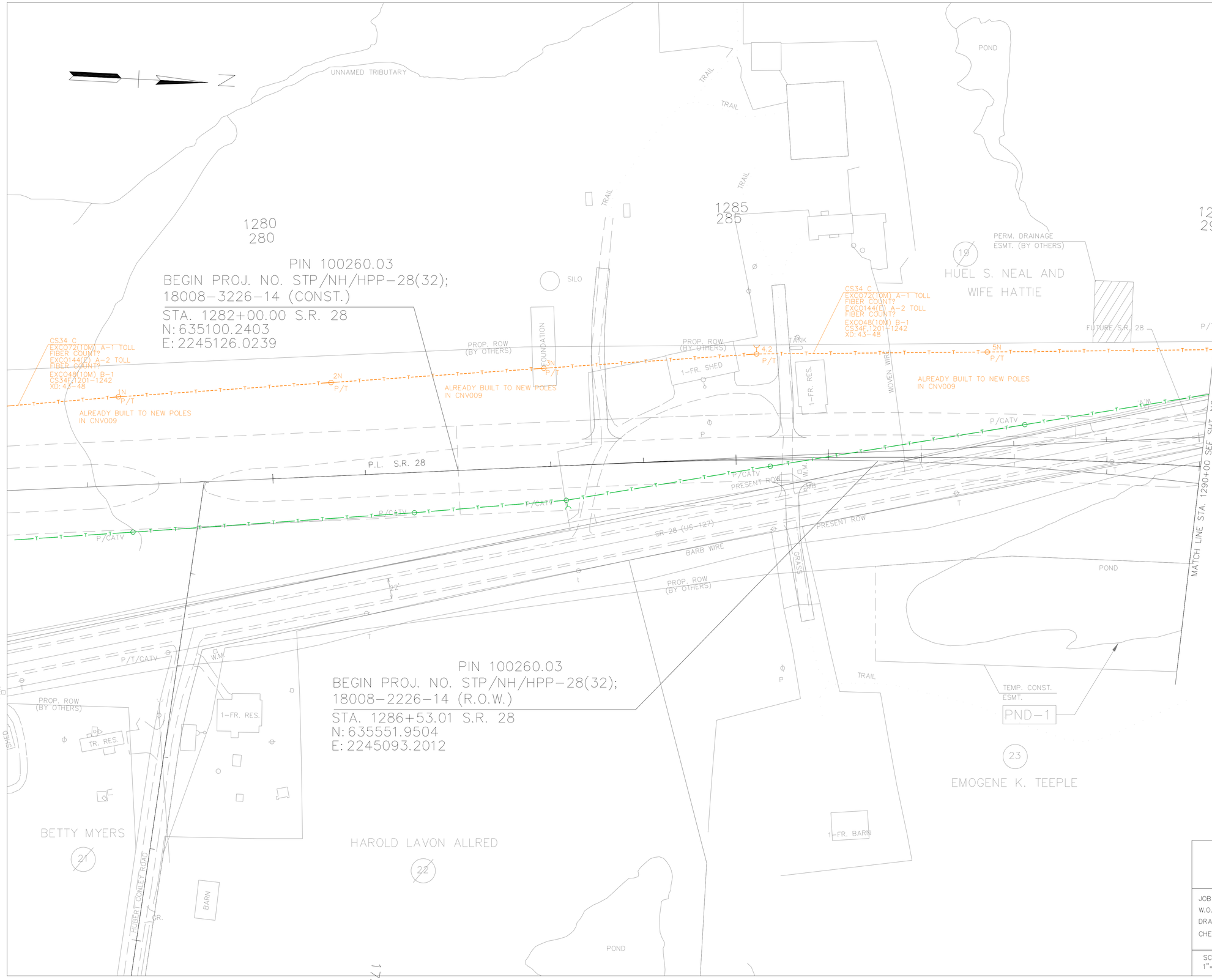
JOB NUMBER: 759
W.O. #40188
DRAWN: ZS
CHECKED: CLB

LADD ENGINEERING
P.O. BOX 680747
FORT PAYNE, ALABAMA 35968
(256)845-0601

SCALE: 1"= 50'
DATE: 12/17/2025

COMMUNICATION RELOCATION
GENERAL CONSTRUCTION NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U5-3
		100260.03	



Carol Leigh Brackett
12/17/25

BEN LOMAND CONNECT

JOB NUMBER: 759
W.O. #40188
DRAWN: ZS
CHECKED: CLB

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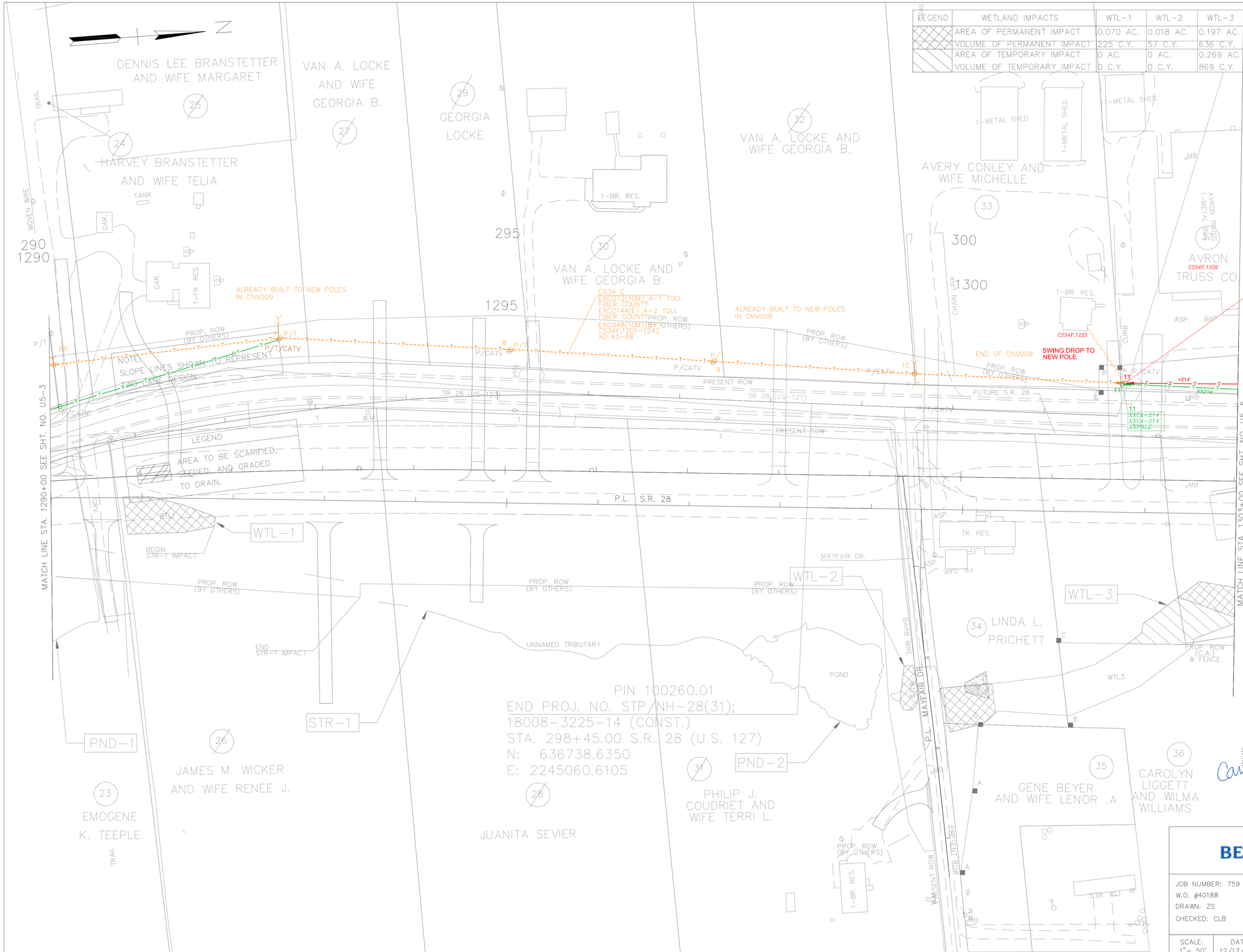
P.O. BOX 680747
FORT PAYNE, ALABAMA 35968
(256)845-0601

SCALE: 1"= 50'
DATE: 12/17/2025

COMMUNICATION RELOCATION
STA. 1282+00 TO STA. 1290+00

LEGEND	WETLAND IMPACTS	WTL-1	WTL-2	WTL-3
	AREA OF PERMANENT IMPACT	0.070 AC.	0.018 AC.	0.197 AC.
	VOLUME OF PERMANENT IMPACT	225 C.Y.	57 C.Y.	636 C.Y.
	AREA OF TEMPORARY IMPACT	0 AC.	0 AC.	0.269 AC.
	VOLUME OF TEMPORARY IMPACT	0 C.Y.	0 C.Y.	869 C.Y.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U5-4
		100260.03	



CAROL LEIGH BRACKETT
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 108179
STATE OF TENNESSEE

Carol Leigh Brackett
12/17/25

BEN LOMAND CONNECT

JOB NUMBER: 759
W.O. #40188
DRAWN: ZS
CHECKED: CLB

LADD ENGINEERING
P.O. BOX 680747
FORT PAYNE, ALABAMA 35968
(256)845-0601

SCALE: 1"= 50'
DATE: 12/17/2025

COMMUNICATION RELOCATION
STA. 1290+00 TO STA. 1303+00

LEGEND	WETLAND IMPACTS	WTL-3
	AREA OF PERMANENT IMPACT	0.197 AC.
	VOLUME OF PERMANENT IMPACT	636 C.Y.
	AREA OF TEMPORARY IMPACT	0.269 AC.
	VOLUME OF TEMPORARY IMPACT	869 C.Y.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U5-5
		100260.03	

N

MATCH LINE STA. 1303+00 SEE SHT. NO. U5-4

MATCH LINE STA. 1316+00 SEE SHT. NO. U5-6

39 PAMELA BROTHERS, INUS REED-LE

1-FR. BARN

37 AVRON TRUSS CO.

JAMES J. REED AND WIFE CHIELEAH

40

44 BOBBY J. HARVEL SR.

ISOLINE BAPTIST CHURCH

39A

46 AVERY LEE CONLEY AND WIFE MICHELLE

AVRON TRUSS CO. 1-METAL BLDG.

AVRON

CS34F,1226

SWING DROP TO NEW POLE

CS34 C P.10
+HAC0(48)
WH01
WSEAO
+FOSB(A)(3)=2
+C096(LOOP)=100' TOLL
+C0144(LOOP)=100' TOLL
+C048(LOOP)=20'
+C048(10M)=232'
+C096(10M)=232' TOLL
+C0144(E)=232' TOLL

305

1-STONE RES.

CS34F,1230

1305

NOTE:
PROPOSED LINES SHOWN TO REPRESENT C.A.'s & FENCE LANE DESIGN

BURIED DROP

11-1

CS34 C P.9
+HAC0(48)
+H01
WH01N
+SEB0(2)=600'
+BM83
+BM80
+C048(LOOP)=20'
+C048(10M)=222'
+C096(10M)=222' TOLL
+C0144(E)=222' TOLL

BARB WIRE

TEMP. CONST. ESMT.

310

1310

CS34 C P.8
+HAC0(48)
+H01=12
+PM2A
+PE1-3C
+PF5-3A
+PM11
+FOSB(A)(2)=2
+C012(LOOP)=150'
+C048(LOOP)=150'
+C048(10M)=218'
+C096(10M)=218' TOLL
+C0144(E)=218' TOLL

FOUNDATION

GRV.

CS34 C P.7
+HAC0(48)
+C048(LOOP)=20'
+C048(10M)=234' TOLL
+C096(10M)=234' TOLL
+C0144(E)=234' TOLL

CS34 C
+C096(10M) A-1 TOLL FIBER COUNT?
+C0144(E) A-2 TOLL FIBER COUNT?
+C048(10M) B-1
CS34F,1201-1242
XD:43-48

TEMP. CONST. ESMT.

SHEDS

8-1

CS34F,1241

1-FR. RES.

CS34F,1242

CS34 C P.6
+HAC0(48)
+H01
WH01N
+SEA0(2)=310'
+FOSB(A)(3)=2
+C048(LOOP)=20'
+C096(LOOP)=100' TOLL
+C0144(LOOP)=100' TOLL
+C048(10M)=248'
+C096(10M)=248' TOLL
+C0144(E)=248' TOLL

CS34 C
+C096(10M) A-1 TOLL FIBER COUNT?
+C0144(E) A-2 TOLL FIBER COUNT?
+C048(10M) B-1
CS34F,1201-1242
XD:43-48

315

1315

CS34 C P.5
+PE1-3C=2
+PM11=2
+PF3=5A
+C048(LOOP)=20'
+C048(10M)=200'
+C096(10M)=200' TOLL
+C0144(E)=200' TOLL

PROP. ROW (C.A.) & FENCE

SR 28 (US-127)

PRESENT ROW

P/CATV

P/T

BEGIN STR-2 IMPACT

XX232'

XX246'

XX222'

XX200'

XX204'

+232'

+222'

+218'

+234'

+248'

+200'

11 XXCA=246' XXCA=246' XXSEA=2 XXPE XXPOLE

10 XXCA=222' XXCA=222' XXPOLE

9 XXCA=200' XXSEA0=2 XXCA=200' XXPOLE

8 XXCA=240' XXCA=240' XXPOLE XXSEA0=2

7 XXCA=204' XXCA=204' XXPOLE

LEGEND

AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.

BEGIN STR-3 IMPACT

1 XXPF XXPE XXPOLE XXCA=92'

XX184'

+310'

P.L. S.R. 28

SHED

1-FR. GAR.

1-BL. RES

BL. SHED

ABANDONED

1-FR. RES.

CS34 C
+C096(10M) A-1 TOLL FIBER COUNT?
+C0144(E) A-2 TOLL FIBER COUNT?
+C048(10M) B-1
CS34F,1201-1242
XD:43-48

12 XXCA=232' XXCA=232' XXPOLE

END STR-3 IMPACT

END WTL-3 IMPACT

END STR-1 IMPACT

CS34 C8L
+C012(10M) A-1
CS34F,1231-1236
XD:7-12

1-FR. RES.

GAR.

43 MICHAEL ROSE AND WIFE REBECCA

1X

2 XXCA=184' WC2=2

P/T/CATV

COPY POWER GUYING CONFIG.

CS34 C8L P.1X
+PE1-3C=2
+PM11=2
+PF5-3A=2

CS34 C8L P.1
WHAC0(1)
+H01=12
+PM2A=2
+PE2-3C
WSEAO
+FOSB(A)(2)=2
+C012(LOOP)=50'
+C012(10M)=310'

PROP. ROW (C.A.) & FENCE

STR-1

SPG-1

STR-3

WTL-3

PERM. DRAINAGE ESMT.

END STR-2 IMPACT

38 GENE BEYER AND WIFE LENOR A.

45

FIRST MISSIONARY BAPTIST CHURCH OF ISOLINE

1-FR. BARN

TEMP. CONST. ESMT.

JUANITA C. SEVIER

48

47 DOUGLAS SEVIER AND WIFE JUANITA

41

PRESENT ROW

UNNAMED TRIBUTARY

36 CAROLYN LIGGETT AND WILMA WILLIAMS

GENE BEYER AND WIFE LENORA

42

JOHNNY NORRIS AND WIFE CHRISTY

1-FR. RES.

CAROL LEIGH BRACKETT REGISTERED ENGINEER AGRICULTURE COMMERCE No. 109179 STATE OF TENNESSEE

Carol Leigh Brackett 12/17/25

BEN LOMAND CONNECT

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LADD ENGINEERING
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FORT PAYNE, ALABAMA 35968
(256)845-0601

SCALE: 1"= 50'

DATE: 12/17/2025

COMMUNICATION RELOCATION
STA. 1303+00 TO STA. 1316+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U5-6
		100260.03	

AVERY LEE CONLEY AND WIFE MICHELLE (46)

JAMES ANTHONY JUIF AND WIFE ROSEMARY J. (53)

TERRY L. KOPSIE (52)

REBA DEAN HOULK AND WILLIAM RAY BROWN (55)

WILLIAM LESTER BARNWELL, PAUL BARNWELL, REBA BARNWELL HOULK (56)

ELIZABETH (60)

JOSH SHERRILL

NANCY RIDGES AND RONNIE RIDGES

P.L. BYERS

MARC WHICHER (51A)

FIRST MISSIONARY BAPTIST CHURCH OF ISOLINE (50)

WALTER L. REED AND WIFE AMY S. (51)

DENTON SHARP, ET. AL (54)

CHRISTOPHER MILLER (57)

CLIFFARD T BEGLEY JR. AND AUTUMN ANDRALE KELSO BEGLEY (58)

EARNEST LEE BEGLEY JR., AND EMILY KAY BEGLEY (59)

ERICH LEE BEGLEY (63)

UNNAMED TRIBUTARY

P.L. S.R. 28

FUTURE S.R. 28 TRAIL

SR 28 (US-127)

PRESENT ROW

PROP. ROW (C.A.) & FENCE

TEMP. CONST. ESMT.

PND-3

PND-4

POND

WOVEN WIRE

BARB WIRE

1-FR. BARN

1-FR. RES.

1-BR. CHURCH

TR. RES.

SHED

ABANDONED

GAR

POOL

BBG

MB

P/CATV

MATCH LINE STA. 1316+00 SEE SHT. NO. U5-5

MATCH LINE STA. 1329+00 SEE SHT. NO. U5-7

LEGEND
AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.

CS34 C5R P.1
WHACO(1)
+HO1=12
WCA=150'
WC2=2
WFOSB
WBFCR
+PE1-3G=2
+PM11=2
+PM2A
+PF5-3A=2
+C012(LOOP)=150'
+C012(10M)=356'
+R2-5M=356'

CS34 C5R
+C012(10M) A-1
CS34F,1249-1260

CS34 C P.5
+HACO(96)(34)
+HO1=72
+PE1-3C
+PM11
+PM2A
+PF5-3A
+FOSB(A)(2)=2
+C012(LOOP)=100'
+C012(LOOP)=100'
+C048(LOOP)=100'
+C096(LOOP)=100'
+C096(10M)=204'
+C096(10M)=204' TOLL
+C0144(E)=204' TOLL

CS34 C P.4
+HACO(96)
+C096(LOOP)=20'
+C096(10M)=190'
+C096(10M)=190' TOLL
+C0144(E)=190' TOLL

CS34 C P.3
+HACO(96)
+FOSB(A)(3)=2 TOLL
+C096(LOOP)=20'
+C096(LOOP)=100' TOLL
+C0144(LOOP)=100' TOLL
+C096(10M)=190'
+C096(10M)=190' TOLL
+C0144(E)=190' TOLL

CS34 C P.2
+HACO(96)
+HO1=3
+PE1-3G
+PM11
+PM2A
+PF5-3A
+FOSB(A)(2)=2
+C012(LOOP)=150'
+C096(LOOP)=150'
+C096(10M)=244'
+C0144(E)=244' TOLL

CS34 P.1
+HACO(96)
+HO1=3
+PE1-3G
+PM11
+PM2A
+PF5-3A
+FOSB(A)(2)=2
+C012(LOOP)=150'
+C096(LOOP)=150'
+C096(10M)=230'
+C096(10M)=230' TOLL
+C0144(E)=230' TOLL

CS34 ABC P.2
+HACO(96)(3M) TOLL
+HACO(144)(3M) TOLL
+HO1=240 TOLL
+PE1-3G=2
+PF3-5A=2
+PM11=2
+PM2A=2
+FOSB(A)(5)=8
+C012(LOOP)=100' TOLL
+C048(LOOP)=100' TOLL
+C096(LOOP)=100' TOLL
+C096(LOOP)=100' TOLL
+C0144(LOOP)=100' TOLL
+C0144(LOOP)=100' TOLL
+C096(LOOP)=100'
+C028B(LOOP)=100'
+C028B(LOOP)=100'
+C028B(LOOP)=100'
+C028B(LOOP)=100'
+C012(10M)=246' TOLL
+C028B(E)=246'
+C028B(E)=246'
+C028B(10M)=246'
+C028B(E)=246'
+C096(E)=246'
+C048(E)=246'

CS34 AB
+C096(10M) A-1 TOLL
FIBER COUNT?
+C0144(E) A-2 TOLL
FIBER COUNT?
EXPRESS PAST A POLE 12 +C028B(10M) B-1
CS34F,1-288
LOCAL TO A12L POLE 13 +C028B(E) B-2
CS34F,289-576
B ROUTE POLE 33 +C028B(E) B-3
CS34F,577-864
B-ROUTE POLE 21 +C028B(E) B-4
CS34F,865-1152
ROUTE AB1R +C048(E) B-5
CS34F,1153-1200

CS34 AB P.1
+HACO(288)(34)
+PE1-3G=2
+PM11=2
+PF5-3A
+FOSB(A)(3)=2 TOLL
+C028B(LOOP)=20'
+C028B(LOOP)=20'
+C028B(LOOP)=20'
+C028B(LOOP)=20'
+C048(LOOP)=20'
+C096(LOOP)=100' TOLL
+C0144(LOOP)=100' TOLL
+C096(10M)=148' TOLL
+C0144(E)=148' TOLL
+C028B(E)=148'
+C028B(E)=148'
+C028B(10M)=148'
+C028B(E)=148'
+C048(E)=148'

CS34 C
+C096(10M) A-1 TOLL
FIBER COUNT?
+C0144(E) A-2 TOLL
FIBER COUNT?
+C096(10M) B-1
CS34F,1201-1272
XD:73-96

CS34 C2L
+C012(10M) A-1
CS34F,1267-1269
XD:4-12

CS34 C1L
+C012(10M) A-1
CS34F,1270-1272
XD:4-12

CS34 C
+C096(10M) A-1 TOLL
FIBER COUNT?
+C0144(E) A-2 TOLL
FIBER COUNT?
+C096(10M) B-1
CS34F,1201-1272
XD:73-96

CS34 C5L
+C012(10M) A-1
CS34F,1243-1246
XD:5-12

CS34 C5L P.1
WHACO(1)
+HO1=12
+PE1-3C
+PM11
+PM2A
+PF5-3A
WC2=2
WCA=100'
+C012(LOOP)=100
+C012(10M)=378'

CS34 C2L P.1
+HACO(12)
+HO1=3
+PE1-3C
+PM11
+PM2A
+PF5-3A
+C012(LOOP)=100'
+C012(10M)=270'

CS34 C1L P.1
+HACO(12)
+HO1=3
WHO1
+PE1-3C
+PM11
+PM2A
+PF5-3A
+SEAO(2)=200'
WHO1N
+C012(LOOP)=100'
+C012(10M)=280'

CS34 ABC P.1
APE1-3G=2
+PM11=2
+PM2A=2
+PF3-5A=2
+U(012=200' TOLL
+U048=200'
+U096=200'
+U028B=200'
+U028B=200'
+U028B=200'
+U028B=200'
+UD(4X1-3")=120'
+BM80(S)=4

BURY 4 X 3" PIPES FROM NEW POLE TO VAULT

CS34 ABC
+C012(10M) A-1TOLL
CS34F,1-12(TOLL)
+C028B(E) A-2
CS34F,1-288
+C028B(E) A-3
CS34F,289-576
+C028B(10M) B-1
CS34F,577-864
+C028B(E) B-2
CS34F,865-1152
+C096(E) B-3
CS34F,1201-1272
XD:73-96
+C048(E) B-4
CS34F,1153-1200

CS34 REMOTE
WHACO(1)=4
WHO1=1284
+U012(LOOP)=200' TOLL
+U048(LOOP)=200'
+U096(LOOP)=200'
+U028B(LOOP)=200'
+U028B(LOOP)=200'
+U028B(LOOP)=200'
+U028B(LOOP)=200'

CS34 REMOTE
+C012(10M) A-1TOLL
CS34F,1-12(TOLL)
+C028B(E) A-2
CS34F,1-288
+C028B(E) A-3
CS34F,289-576
+C028B(10M) B-1
CS34F,577-864
+C028B(E) B-2
CS34F,865-1152
+C096(E) B-3
CS34F,1201-1272
XD:73-96
+C048(E) B-4
CS34F,1153-1200

CS34 C5L P.1
WHACO(1)
+HO1=12
+PE1-3C
+PM11
+PM2A
+PF5-3A
WC2=2
WCA=100'
+C012(LOOP)=100
+C012(10M)=378'

CS34 C2L P.1
+HACO(12)
+HO1=3
+PE1-3C
+PM11
+PM2A
+PF5-3A
+C012(LOOP)=100'
+C012(10M)=270'

CS34 C1L P.1
+HACO(12)
+HO1=3
WHO1
+PE1-3C
+PM11
+PM2A
+PF5-3A
+SEAO(2)=200'
WHO1N
+C012(LOOP)=100'
+C012(10M)=280'

AB P.1
XXPE=2
XXSEAO=2
XXBFCR
XXCA=110'
XXCA=110'
XXPOLE

ABC P.1
WC2=2
WCA=660'
XXPE=2
XXPF
XXUO=1400'

XXPE
XXPF
XXCA=434'

XXPE
XXPF
XXCA=232'
XXCA=232'
XXPOLE

XXPE
XXPF
XXCA=166'
XXCA=166'
XXPOLE

XXPE
XXCA=270'
XXCA=270'
XXPOLE

XXPE
XXCA=204'
XXCA=204'
XXPOLE

XXSEAO
XXCA=220'
XXCA=220'
XXPOLE

XXSEAO

XXPE

XXCA=66'

XXCA=266'

CS34F,1262 CS34F,1264 CS34F,1267 CS34F,1269 CS34F,1271 CS34F,1272 CS34F,1199 CS34F,1149 CS34F,1245 CS34F,1147

REVISED: FEBRUARY 11, 2026

CAROL LEIGH BRACKETT — REGISTERED ENGINEER — AGRICULTURE — COMMERCE — No. 108179 — STATE OF TENNESSEE

Carol Ryan Brackett 12/17/25

BEN LOMAND CONNECT

JOB NUMBER: 759
W.O. #40188
DRAWN: ZS
CHECKED: CLB

LADD ENGINEERING
P.O. BOX 680747
FORT PAYNE, ALABAMA 35968
(256)845-0601

SCALE: 1"= 50'
DATE: 12/17/2025

COMMUNICATION RELOCATION
STA. 1316+00 TO STA. 1329+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U5-7
		100260.03	

MATCH LINE STA. 1329+00 SEE SHT. NO. U5-6

MATCH LINE STA. 1342+00 SEE SHT. NO. U5-8

ELIZABETH P. HENRY

CS34 B
+C028B(10M) A-1
CS34F,577-864
+C028B(E) A-2
LOCAL TO B P.3OCS34F,865-1152

CS34 B P.2
WHACO(T)=2
WHO1=576
WC1=2
WCA=200'
WCA=200'
WFOSB=2
+C028B(LOOP)=200'
+C028B(LOOP)=200'
+C028B(10M)=260'
+C028B(E)=260'

CS34 A
+C096(10M) A-1 TOLL
FIBER COUNT?
+C014A(E) A-2 TOLL
FIBER COUNT?
EXPRESS PAST A POLE 12 +C028B(10M) B-1
CS34F,1-388
LOCAL TO A12L POLE 13 +C028B(E) B-2
CS34F,289-576

CS34F,1147

1330

230

61

62

64

LARRY R. WEST

CS34 B P.1
+PE1-3G=2
+PM11=2
+PM2A=2
+PF5-3A=2
+C028B(LOOP)=20'
+C028B(LOOP)=20'
+C028B(10M)=150'
+C028B(E)=150'

CS34 AB P.2
+HACO(28B)(34)
+PE1-3G
+PM11
+PM2A
+PF5-3A
+C028B(LOOP)=20'
+C028B(LOOP)=20'
+C028B(LOOP)=20'
+C028B(LOOP)=20'
+C048(LOOP)=20'
+C096(10M)=148' TOLL
+C0144(E)=148' TOLL
+C028B(10M)=148'
+C028B(E)=148'
+C028B(E)=148'
+C028B(E)=148'
+C048(E)=148'

CS34 A P.1
+HACO(28B)(34)
+PE1-3G=2
+PF3-5A
+PM11=2
+PM2A=2
+C028B(LOOP)=20'
+C028B(LOOP)=20'
+CO96(10M)=200' TOLL
+C0144(E)=200' TOLL
+C028B(10M)=200'
+C028B(E)=200'

CS34 A P.3
+HACO(28B)(34)
+HO1=3
+PE1-3G
+PF3-5A
+PM2A
+PM11
+C012(LOOP)=150'
+C028B(LOOP)=150'
+C028B(LOOP)=20'
+C096(10M)=200' TOLL
+C0144(E)=200' TOLL
+C028B(10M)=200'
+C028B(E)=200'

CS34 A P.4
+C028B(LOOP)=20'
+C028B(LOOP)=20'
+C096(10M)=204' TOLL
+C0144(E)=204' TOLL
+C028B(10M)=204'
+C028B(E)=204'

CS34 A P.5
+PE1-3G=2
+PF3-5A
+PM11=2
+PM2A=2
+C028B(LOOP)=20'
+C028B(LOOP)=20'
+C096(10M)=232' TOLL
+C0144(E)=232' TOLL
+C028B(10M)=232'
+C028B(E)=232'

CS34 A P.2
+C028B(LOOP)=20'
+C028B(LOOP)=20'
+C096(10M)=200' TOLL
+C0144(E)=200' TOLL
+C028B(10M)=200'
+C028B(E)=200'

CS34 AB2R
+C048(10M) A-1
CS34F,1153-1200

PND-5

POND

1335

335

TEMP. CONST. ESMT.

PROP. ROW (C.A.) & FENCE

P.L. S.R. 28

PRESENT ROW

SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

LEGEND
AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.

GROSS STA. 240+00.00 =
S.R. 28 CONST. STA. 1329+51.00
N 639818.9754
E 2245178.8082

1
XXCA=250'
XXCA=250'
XXPE=3
XXPF=3
XXPOLE

XX250'

P/CATV

CS34 AB2R
+C048(10M) A-1
CS34F,1153-1200

1
XXCA=224'
XXCA=224'
XXPOLE

XX224'

BARB WIRE

DIA

XX186'

P.L. OLD S.R. 28

XX340'

21' OF 12'TMP

CS34F,1186

FR. RES.

PROP. ROW

CS34F,1185

CS34F,1188

XXCA=320'

TEMP. CONST. ESMT.

CS34 AB2R P.1
+PE1-3G
+PM11
+PM2A
+PF3-5A
+C048(LOOP)=20'
+C048(10M)=380

XX320'

AB2R P.2
WHACO(1)
WHO1=48
WCA=150'
WFOSB
+PE1-3G
+PM11
+PM2A
+PF3-5A
+C048(LOOP)=150'
+C048(10M)=100'
WC2=2

65

JESSY L. KECK AND WIFE LILA F.

66

CLAYTON BILBREY AND WIFE ELLA

245

OLD S.R. 28 SOUTH STA. 300+00.00 =
GROSS STA. 242+05.00
N 639858.3600
E 2245379.7285

305

67

M.C. DECK JR. AND WIFE ANNA RUTH

64A

JEANINE WEST POTTER

SHED

GRV.

1 FR. RES.

CS34F,576

RW

TEMP. CONST. ESMT.

2
XXCA=198'
XXCA=198'
XXPOLE
XXSEA0

XX198'

PROP. ROW (C.A.) & FENCE

FUTURE S.R. 28

CS34 A3R
+C012(10M) A-1
CS34F,574-576
XD:4-12

XX268'

CS34 A3R P.1
+PM2A
+C012(LOOP)=20'
+C012(10M)=290'

XX82'

3
XXBFCR
XXPE
XXPE
XXPF
XXCA=340'
XXCA=340'
XXPOLE

BURIED DROP

CS34F,574

1-BR. RES

BURY DROP TO EX: NID

CS34 A3R P.2
+HACO(12)
+HO1=2
WHO1
WHO1N
+PE1-3C
+PF3-5A
+PM11
+PM2A
+BM80
+SEBO(2)=400'
WBM83
+C012(LOOP)=100'
+C012(10M)=422'

355

GAR.

STR-4

BEGIN STR-4 IMPACT

0+00

1+00

2+00

NO BUSINESS CREEK

CS34F,552

2-FR. RES.

71

JASON S. SHARP

1340

340

CS34 A
+C096(10M) A-1 TOLL
FIBER COUNT?
+C0144(E) A-2 TOLL
FIBER COUNT?
EXPRESS PAST A POLE 12 +C028B(10M) B-1
CS34F,1-388
LOCAL TO A12L POLE 13 +C028B(E) B-2
CS34F,289-576

MAINLINE STA. 1342+00 = STA. 1329+00 BACK

E 2245178.8082

N 639818.9754

1 METAL BARN

70

HOWARD R. GOIN AND CLAUDIA H.

END STR-4 IMPACT

64

LARRY R. WEST

PRESENT ROW

SR 28 (US-127)

XX224'

XX330'

4
XXCA=330'
XXCA=330'
XXPOLE

TEMP. CONST. ESMT.

5
XXPE
XXPF
XXCA=224'
XXCA=224'
XXPOLE

EXISTING STRUCTURE:
14.7' X 12' STEEL I-BEAM BOX
SKEW 90°

68

M.C. DECK AND WIFE ANNA NELL

69

GLORIA SMITH AND HUSBAND ROBERT SHERMAN SMITH

REVISED: FEBRUARY 11, 2026

CAROL LEIGH BRACKETT
REGISTERED LANDSCAPE ARCHITECT
AGRICULTURE
COMMERCE
No. 101179
STATE OF TENNESSEE

Carol Leigh Brackett 12/17/25

LEGEND
AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.

BEN LOMAND CONNECT

JOB NUMBER: 759
W.O. #40188
DRAWN: ZS
CHECKED: CLB

LADD ENGINEERING
P.O. BOX 680747
FORT PAYNE, ALABAMA 35968
(256)845-0601

SCALE: 1"= 50'

DATE: 12/17/2025

COMMUNICATION RELOCATION
STA. 1329+00 TO STA. 1342+00

LEGEND	WETLAND IMPACTS	WTL-4
	AREA OF PERMANENT IMPACT	0.063 AC.
	VOLUME OF PERMANENT IMPACT	202 C.Y.
	AREA OF TEMPORARY IMPACT	0.214 AC.
	VOLUME OF TEMPORARY IMPACT	692 C.Y.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U5-8
		100260.03	

CS34 A6L P.2
WCT=2
WCA=250'

CS34 A6L
+C024(10M) A-1
CS34F,529-552

CS34 A6L P.1
WHACO(1)
WHO1=24
WCA=150'
WC2=2
WFOSB
+PE1-3C
+PM11
+PM2A
+PF3-5A
+C024(LOOP)=150'
+C024(10M)=180'

+C096(10M) A-1 TOLL
FIBER COUNT?
+C0144(E) A-2 TOLL
FIBER COUNT?
EXPRESS PAST A POLE 12 +C0288(10M) B-1
CS34F,1-288
LOCAL TO A12L POLE 13 +C0288(E) B-2
CS34F,289-576

XXCA=476'

CS34 A P.6
+HACO(288)(34)
+HO1=28
+PE1-3C-3
+PF5-3A=2
+PM11=3
+PM2A=2
+FOSBA(3)=3 TOLL
+C012(LOOP)=150'
+C024(LOOP)=150'
+C028B(LOOP)=150'
+C028B(LOOP)=20'
+C096(LOOP)=100' TOLL
+C0144(LOOP)=100' TOLL
+C096(10M)=238' TOLL
+C0144(E)=238' TOLL
+C028B(10M)=238'
+C028B(E)=238'

CS34 A P.7
+PE1-3C=2
+PF3-5A
+PM11=2
+PM2A=2
+C028B(LOOP)=20'
+C028B(LOOP)=20'
+C096(10M)=238' TOLL
+C0144(E)=238' TOLL
+C028B(10M)=238'
+C028B(E)=238'

CS34 A P.8
+C028B(LOOP)=20'
+C028B(LOOP)=20'
+C096(10M)=186' TOLL
+C0144(E)=186' TOLL
+C028B(10M)=186'
+C028B(E)=186'

9
XXPF
XXPE=2
XXCA=96'
XXCA=96'
XXPOLE

CS34 A P.9
+HACO(288)(34)
+C028B(LOOP)=20'
+C028B(LOOP)=20'
+C096(10M)=206' TOLL
+C0144(E)=206' TOLL
+C028B(10M)=206'
+C028B(E)=206'

CS34 A P.10
+HACO(288)(34)
WHO1
WBFCR
+SEBO(2)=500'
+C028B(LOOP)=20'
+C028B(LOOP)=20'
+C096(10M)=182' TOLL
+C0144(E)=182' TOLL
+C028B(10M)=182'
+C028B(E)=182'

CS34 A
+C096(10M) A-1 TOLL
FIBER COUNT?
+C0144(E) A-2 TOLL
FIBER COUNT?
EXPRESS PAST A POLE 12 +C0288(10M) B-1
CS34F,1-288
LOCAL TO A12L POLE 13 +C0288(E) B-2
CS34F,289-576

CS34 A P.11
+HACO(288)(34)
+C028B(LOOP)=20'
+C028B(LOOP)=20'
+C096(10M)=250' TOLL
+C0144(E)=250' TOLL
+C028B(10M)=250'
+C028B(E)=250'

XXCA=226'
XXPOLE
XXCA=226'

XXCA=250'
XXCA=250'
XXPOLE

XXCA=208'
XXCA=208'
XXPOLE

XXCA=206'
XXCA=206'
XXPOLE

XXCA=194'
XXCA=194'
XXPOLE

CS34 A6R
+C012(10M) A-1
CS34F,565-568
XD:5-12

CS34 A6R P.1
WHACO(1)
WHO1=4
+HO1=8
WCA=150'
WC2=2
WFOSB
+PE1-3C=2
+PM11=2
+PM2A=2
+PF5-3A
+C012(LOOP)=150'
+C012(10M)=330'

CS34 A6R
EXC012(10M) A-1
CS34F,565-568
XD:5-12

CS34F,562
CS34F,561
CS34F,553
CS34F,568
CS34F,566

74 BRENDA JOYCE SHARP
78 JOSHUA JACKSON
81 GENE BARRINGER AND WIFE MARGIE
76 HOWARD R. GOIN AND WIFE CLAUDIA H.
73 GARY SHARP AND WIFE BRENDA
72B JERRY W MEDLEY AND WIFE ANDREA J.
72 MARY LOU BILBREY
72A JERRY W MEDLEY AND WIFE ANDREA J.
75 LOUIS E. FRANKLIN
77 LOUIS E. FRANKLIN
79 JOHN M. DECK AND WIFE BONITA S.
80 JOHN MICHAEL DECK
82

1345
345
1350
1355
355
260
265

WWC-1/UDF350
WTL-4
STR-5
BEGIN STR-5 IMPACT
END STR-5 IMPACT

P.L. PRYOR
P.L. S.R. 28
SR 28 (US-127)
PRESENT ROW
FUTURE S.R. 28
TEMP. CONST. ESMT.
PROP. ROW (C.A.) & FENCE
2" WATER METERS
SHEDS
GRASS
CONC.
GRV.
MB
RW
THAIL
LEAD BRYOR ROAD

1-FR. RES.
2-FR. RES.
1-FR. GAR.
1-BR. RES.
TR. RES.

MATCH LINE STA. 1342+00 SEE SHT. NO. U5-7
MATCH LINE STA. 1355+00 SEE SHT. NO. U5-9

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

REVISED: FEBRUARY 11, 2026

CAROLLEIGH BRACKETT
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 108179
STATE OF TENNESSEE
Carolleigh Brackett 12/17/25

LEGEND
AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.

BEN LOMAND CONNECT

JOB NUMBER: 759
W.O. #40188
DRAWN: ZS
CHECKED: CLB

LADD ENGINEERING
P.O. BOX 680747
FORT PAYNE, ALABAMA 35968
(256)845-0601

SCALE: 1"= 50'
DATE: 12/17/2025

COMMUNICATION RELOCATION
STA. 1342+00 TO STA. 1355+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U5-9
		100260.03	

ASP. GENE BARRINGER AND WIFE MARGIE

81

PRESENT ROW

CLEAR CREEK ROAD

P.L. CLEARCREEK

PRESENT ROW

B

WOOD

GRV.

275

85

ANJANETTE CONLEY

1355

355

83

TR. RES.

CS34 A12L
EX:C0216(10M) A-1
CS34F,325-528
XD:205-216

CS34F,527

CS34 A P.12
+FOSB(A)(3)=2 TOLL
+C096(LOOP)=100 TOLL
+C0144(LOOP)=100' TOLL
+C0288(LOOP)=20'
+C028B(LOOP)=20'
+C096(10M)=284' TOLL
+C0144(E)=284' TOLL
+C028B(10M)=284'
+C028B(E)=284'

CS34 A P.13
+HACO(28B)(84)
WHO1=260'
WC2=2
WCA=100'
WFOSB
+PE2-3C
+C048(LOOP)=100'
+C028B(LOOP)=100'
+C028B(LOOP)=20'
+C096(10M)=170' TOLL
+C0144(E)=170' TOLL
+C028B(10M)=170'
+C028B(E)=170'

CS34 A
+C096(10M) A-1 TOLL
FIBER COUNT?
+C0144(E) A-2 TOLL
FIBER COUNT?
+C028B(10M) B-1
CS34F,1-28B
+C048(E) B-2
CS34F,289-324
XD:37-48

WTL-6

360

1360

CS34 A P.14
+PE1-3C=2
+PM11=2
+PF3-5A
+C028B(LOOP)=20'
+C096(10M)=284' TOLL
+C0144(E)=284' TOLL
+C028B(10M)=284'
+C048(E)=284'

CS34 A P.15
+HACO(48)
WHO1=3
WCA=200'
WC2
+PE1-3C
+PF3-5A
+PM11
+PM2A
+C048(LOOP)=150'
+C012(LOOP)=150'
+C028B(LOOP)=20'
+FOSB(A)(2)=2
+C096(10M)=220' TOLL
+C0144(E)=220' TOLL
+C028B(10M)=220'
+C048(E)=220'

CS34 A P.16
+C048(LOOP)=20'
+C028B(LOOP)=20'
+C096(10M)=224' TOLL
+C0144(E)=224' TOLL
+C028B(10M)=224'
+C048(E)=224'

CS34 A P.17
+HACO(48)
WHO1=6
WCA=200'
WC2
+PE1-3C
+PF3-5A
+PM11
+PM2A
+FOSB(A)(2)=2
+C012(LOOP)=150'
+C048(LOOP)=150'
+C028B(LOOP)=20'
+C096(10M)=224' TOLL
+C0144(E)=224' TOLL
+C028B(10M)=224'
+C048(E)=224'

CS34F,318

TR. RES.

NO INFORMATION

365

1365

CS34 A
+C096(10M) A-1 TOLL
FIBER COUNT?
+C0144(E) A-2 TOLL
FIBER COUNT?
+C028B(10M) B-1
CS34F,1-28B
+C048(E) B-2
CS34F,289-324
XD:37-48

88

TWANA A. REAGAN

GRV.

12 P/T — +170' — XX170'
13 P/T — +284' — XX284'
14 P/T — +220' — XX220'
15 P/T — +224' — XX448'
16 P/T — +224'
17 P/T

12
XXCA=284'
XXCA=284'
XXPOLE

13
XXCA=170'
XXCA=170'
XXPOLE

14
XXCA=284'
XXCA=284'
XXPOLE

15
XXCA=220'
XXCA=220'
XXPOLE
XXPE

15
XXCA=448'
XXCA=448'
XXPOLE
XXPE

16

PROP. ROW (C.A.) & FENCE

P/CATV

OVERHEAD

SR 28 (US-127)

SR 28 (US-127)

FUTURE S.R. 28

WOVEN WIRE FENCE

XX280'

EXISTING ROAD

CS34 A15R
+C012(10M) A-1
CS34F,319-321
XD:4-12

MAY BE ABLE TO USE EXISTING

P.L. S.R. 28

MATCH LINE STA. 1355+00 SEE SHT. NO. U5-8

MATCH LINE STA. 1367+50 SEE SHT. NO. U5-10

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

84

P.L. S.R. 28

WOOD

CS34 A P.13X
+PE1-3C
+PM11
+PM2A
+PF3-5A

13X P/T

CHARLOTTE J. JONES

WTL-5

TEMP. CONST. ESMT.

BARN

1
XXPE
XXCA=280'

1 P/T

CS34 A15R
EXC012(10M) A-1
CS34F,319-321
XD:4-12

CS34 A15R P.1
+HACO(12)
WHO1=3
+HO1=9
WCA=150'
WC2=2
WFOSB
+PE1-3C
+PM11
+PM2A
+PF5-3A
+C012(LOOP)=100'
+C012(10M)=300'

FOUNDATION

87

TEMP. CONST. ESMT.

LAWRENCE PEIPER AND WIFE TERRY PEIPER

89

LAWRENCE PEIPER AND WIFE TERRY PEIPER

CS34 A17R
EXC012(10M) A-1
CS34F,313-318
XD:7-12

MAY BE ABLE TO USE EXISTING

1
XXPE
XXCA=330'

CS34F,315

CS34 A17R P.1
+HACO(12)
WHO1=6
+HO1=6
WCA=150'
WC2=2
WFOSB
+PE1-3C
+PM11
+PM2A
+PF5-3A
+C012(LOOP)=100'
+C012(10M)=330'

CS34 A17R
EXC012(10M) A-1
CS34F,313-318
XD:7-12

82

UNNAMED TRIBUTARY

PROP. ROW (C.A.) & FENCE

STR-6

HOWARD R. GOIN AND WIFE CLAUDIA H.

86

LAWRENCE PEIPER AND WIFE TERRY PEIPER

UNNAMED TRIBUTARY

TEMP. CONST. ESMT.

JERRY WRIGHT AND DIANE WRIGHT

90

JERRY E. WRIGHT AND WIFE DIANE

91

BEGIN STR-6 IMPACT

END STR-6 IMPACT

PROP. ROW (C.A.) & FENCE

LEGEND	WETLAND IMPACTS	WTL-5	WTL-6
	AREA OF PERMANENT IMPACT	0.282 AC.	0 AC.
	VOLUME OF PERMANENT IMPACT	909 C.Y.	0 C.Y.
	AREA OF TEMPORARY IMPACT	0.109 AC.	0 AC.
	VOLUME OF TEMPORARY IMPACT	351 C.Y.	0 C.Y.

CAROL LEIGH BRACKETT REGISTERED ENGINEER AGRICULTURE CIVIL CUMBERLEAD No. 108179 STATE OF TENNESSEE

Carol Leigh Brackett 12/17/25

BEN LOMAND CONNECT

JOB NUMBER: 759
W.O. #40188
DRAWN: ZS
CHECKED: CLB

LADD ENGINEERING
P.O. BOX 680747
FORT PAYNE, ALABAMA 35968
(256)845-0601

SCALE: 1"= 50'

DATE: 12/17/2025

COMMUNICATION RELOCATION
STA. 1355+00 TO STA. 1367+50

TYPE	YEAR	PROJECT NO.	NO.
PS&E	2026	STP/NH/HPP-28(32)	U5-10
		100260.03	

N

CONLEY STA. 290+36.03 =
S.R. 28 CONST. STA. 1375+46.00
N 644378.0352
E 2244868.7341

LAKE

370
1370
375
1375
380
1380

92 FRED STOUT
97 DALLAS BRADY
96 PALMA STOUT

CS34 A P.18
+C04B(LOOP)=20'
+C02B(LOOP)=20'
+C09B(10M)=240' TOLL
+C0144(E)=240' TOLL
+C02B8(10M)=240'
+C04B(E)=240'

CS34 A P.19
+FOSB(A)(3)=2 TOLL
+C096(LOOP)=100' TOLL
+C0144(LOOP)=100 TOLL
+C04B(LOOP)=20'
+C02B(LOOP)=20'
+C096(10M)=240' TOLL
+C0144(E)=240' TOLL
+C02B8(10M)=240'
+C04B(E)=240'

CS34 A
+C096(10M) A-1 TOLL
FIBER COUNT?
+C0144(E) A-2 TOLL
FIBER COUNT?
+C02B8(10M) B-1
CS34F,1-288
+C04B(E) B-2
CS34F,289-324
XD:37-48

CS34 A P.20
+C04B(LOOP)=20'
+C02B(LOOP)=20'
+C096(10M)=240' TOLL
+C0144(E)=240' TOLL
+C02B8(10M)=240'
+C04B(E)=240'

CS34 A
+C096(10M) A-1 TOLL
FIBER COUNT?
+C0144(E) A-2 TOLL
FIBER COUNT?
+C02B8(10M) B-1
CS34F,1-288
+C04B(E) B-2
CS34F,289-324
XD:37-48

CS34 A P.21
+C04B(LOOP)=20'
+C02B(LOOP)=20'
+C096(10M)=240' TOLL
+C0144(E)=240' TOLL
+C02B8(10M)=240'
+C04B(E)=240'

CS34 A P.22
+HACO(48)
WHO1=12
+HO1=12
+PE1-3C=2
+PF3-5A=2
+PM11=2
+PM2A=2
+PE2-3C
WC2=4
WCA=300'
+C012(LOOP)=100'
+C04B(LOOP)=100'
+C096(10M)=240' TOLL
+C0144(E)=240' TOLL
+C02B8(10M)=240'
+C04B(E)=240'

A P.22X
+PE1-3C
+PF3-5A
+PM11

20X
XXPOLE
XXPE
XXPF

OVER HEAD
OVER HEAD

P/T 22X

+240'
+226'
XX370'
XX466'
XX364'
XX340'

16
XXCA=370'
XXCA=370'
XXPOLE

17
XXCA=466'
XXCA=466'
XXPOLE

1
XXPF
XXPE
XXPOLE
XXCA=240'

20
XXCA=364'
XXCA=364'
XXPE
XXPF=2
XXPOLE

PRES. ROW & PROP. (C.A.) FENCE
PRESENT ROW
SR 28 (US-127)
FUTURE SR. 28
TWO LANE DESIGN
SLOPE LINES SHOWN TO REPRESENT
NOTE:
RUIN
LEGEND
AREA TO BE SCARIFIED, SEEDED, AND GRADED TO DRAIN.
BARB WIRE
MB
GRV.
1-FR. RES.
GAR.
SHEDS
SHED
1-FR. BARN
POND
OLD S.R. 28
P.L. S.R. 28
P.L. CONLEY
CONC. PAD
TRAIL
ASPH.

BURIED
(UG)
+630'
PROP. ROW (C.A.) & FENCE

CS34 A22R
+C012(10M)A/1
CS34F,301-312

LINE POLE UP WITH OVERHEAD

CS34 A22R P.1
+40-4
+PM2
+PM2A
+PE1-3C
+PM11
+PF3-5A
+BM80=3
+C012(LOOP)=20'
+C012(10M)=240'

1378+45.61
+87.86

CS34 A22R
+BF012
CS34F,301-312

PED1
CS34 A22R PED1
WBD05
WH01=12
+BM60(1.25)D=60'
+BF012(LOOP)=20'
+BF012=630'

MATCH LINE STA. 1367+50 SEE SHT. NO. U5-9

MATCH LINE STA. 1380+50 SEE SHT. NO. U5-11

93 MURRELL THOMAS BRADY

JERRY E. WRIGHT AND WIFE DIANE
91

CS34F,313

JAMES C. HOWARD AND WIFE EMMA J.
94

GROVER ATKINSON AND WIFE WANDA
95

CAROL LEIGH BRACKETT
REGISTERED ENGINEER
AGRICULTURE
No. 108179
STATE OF TENNESSEE
Carol Leigh Brackett
12/17/25

BEN LOMAND CONNECT

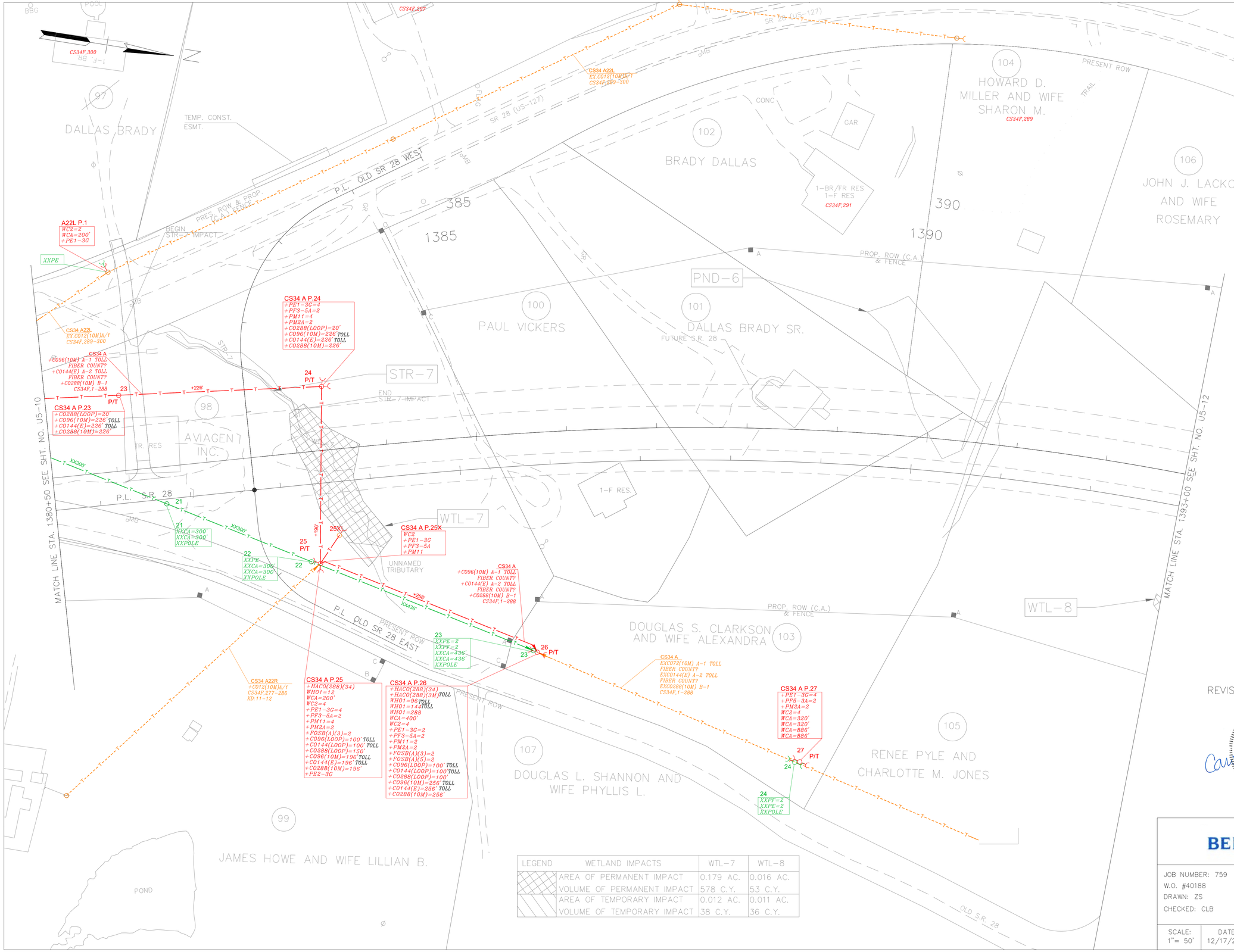
JOB NUMBER: 759
W.O. #40188
DRAWN: ZS
CHECKED: CLB

LADD ENGINEERING
P.O. BOX 680747
FORT PAYNE, ALABAMA 35968
(256)845-0601

SCALE: 1"= 50'
DATE: 12/17/2025

COMMUNICATION RELOCATION
STA. 1367+50 TO STA. 1380+50

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U5-11
		100260.03	



LEGEND	WETLAND IMPACTS	WTL-7	WTL-8
	AREA OF PERMANENT IMPACT	0.179 AC.	0.016 AC.
	VOLUME OF PERMANENT IMPACT	578 C.Y.	53 C.Y.
	AREA OF TEMPORARY IMPACT	0.012 AC.	0.011 AC.
	VOLUME OF TEMPORARY IMPACT	38 C.Y.	36 C.Y.

REVISED: FEBRUARY 11, 2026

CAROL LEIGH BRACKETT
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 108179
STATE OF TENNESSEE

Carol Leigh Brackett
12/17/25

BEN LOMAND CONNECT

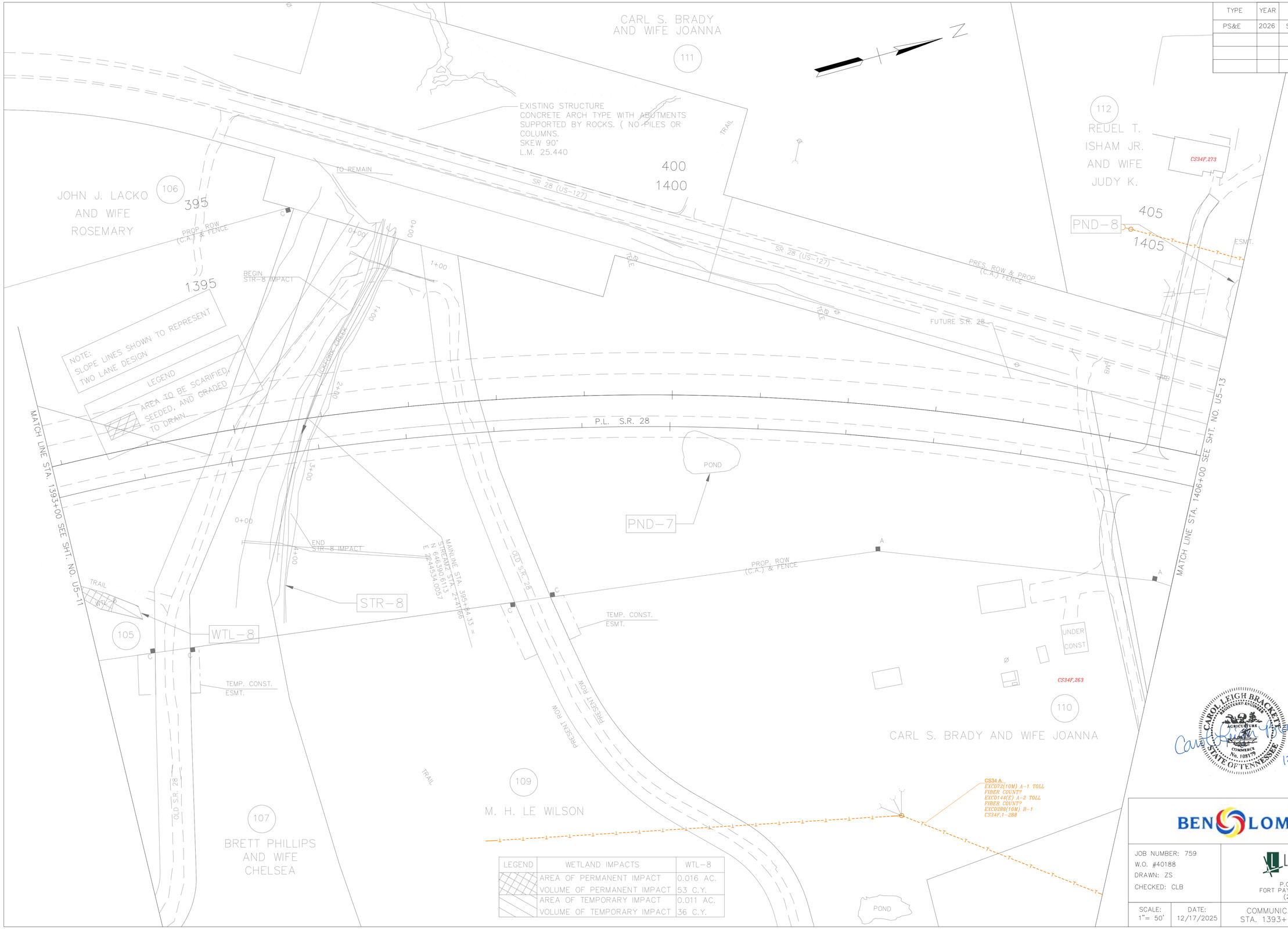
JOB NUMBER: 759
W.O. #40188
DRAWN: ZS
CHECKED: CLB

LADD ENGINEERING
P.O. BOX 680747
FORT PAYNE, ALABAMA 35968
(256)845-0601

SCALE: 1"= 50'
DATE: 12/17/2025

COMMUNICATION RELOCATION
STA. 1380+50 TO STA. 1393+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U5-12
		100260.03	



LEGEND	WETLAND IMPACTS	WTL-8
	AREA OF PERMANENT IMPACT	0.016 AC.
	VOLUME OF PERMANENT IMPACT	53 C.Y.
	AREA OF TEMPORARY IMPACT	0.011 AC.
	VOLUME OF TEMPORARY IMPACT	36 C.Y.

CAROL LEIGH BRACKETT
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 108179
STATE OF TENNESSEE

Carol Leigh Brackett
12/17/25

BEN LOMAND CONNECT

JOB NUMBER: 759
W.O. #40188
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CHECKED: CLB

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COMMUNICATION RELOCATION
STA. 1393+00 TO STA. 1406+00

LEGEND	WETLAND IMPACTS	WTL-9
	AREA OF PERMANENT IMPACT	0 AC.
	VOLUME OF PERMANENT IMPACT	0 C.Y.
	AREA OF TEMPORARY IMPACT	0.053 AC.
	VOLUME OF TEMPORARY IMPACT	172 C.Y.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U5-13
		100260.03	

N

CS34 A27L
EXC012(10M)A/1
CS34F,265-276

CS34 A27L3L
EXC012(10M)A/1
CS34F,273-274
XD:3-12

CS34 A27L5R
EXC012(10M)A/1
CS34F,268-269
XD:3-12

114
JOHN F. WEAVER
AND WIFE CYNTHIA

116
ANGIE F. SHARP

117
PAUL R. TRUDELLE AND
WIFE JACQUELINE M.

112
REUEL T. ISHAM JR.
AND WIFE JUDY K.

CS34F,276

BALDWIN AND WIFE TRACY L.

STANLEY H.

CS34F,271

115
410
1410

DOUBLE CHECK COUNT WITH BLC/LADD
BEFORE SPLICING TAP

CS34F,268

DOUBLE CHECK COUNT WITH BLC/LADD
BEFORE SPLICING TAP

121
DONALD L. BRADY
AND WIFE
DONNA K.

CS34F,??

EVA L. MATHEWS
119
415
1415

CS34 A31L P.2
WHACO(1)
WHO1=12
+HO1=24
WSEAO
WCA=200'
+PE1-3C=2
+PM11=2
+PM2A=2
+PF5-3A=2
+CO24(LOOP)=100'
+CO24(10M)=200'

CS34 A31L
+CO12(10M)A/1
CS34F,265-276
XD:13-24

POND

PND-8

TEMP. CONST. ESMT.

WTL-9

STR-9

P/T

4

CS34 A31L P.4
WCA=100'
WC2=2
+PE1-3C
+PM11
+PM2A
+PF5-3A

6
XXPP=2
XXPE=2
XXCA=184'

2

6

P/T

+200'

XX184'

CS34 A31L P.1
+PE1-3C
+PM11
+PM2A
+PF5-3A
+CO12(LOOP)=20'
+CO12(10M)=120'

1

5

P/T

+120'

5
XXPF
XXPE
XXCA=138'

XX186'

PROP. ROW (C.A.) & FENCE

B

C

POND

WTL-9

STR-9

FUTURE S.R. 28

SR 28 (US-127)

SR 28 (US-127)

MB

MB

MB

MB

MB

NOTE:
SLOPE LINES SHOWN TO REPRESENT
TWO LANE DESIGN

MATCH LINE STA. 1406+00 SEE SHT. NO. U5-12

MATCH LINE STA. 1419+00 SEE SHT. NO. U5-14

P.L. S.R. 28

WWC-2

END WWC-2
UDF-2 IMPACT

WWC-2/UDF-2

BEGIN WWC-2
UDF-2 IMPACT

PND-9

PROP. ROW (C.A.) & FENCE

CUMBERLAND PLATEAU NURSERY

CS34F,255

A

113
RAY ENGLAND AND WIFE JOYCE

CS34F,259

120
DONALD L. BRADY
AND WIFE
DONNA K.

CS34F,257

CS34 A28L
EXC012(10M) A-1
CS34F,259
XD:2-12

118
RAY ENGLAND AND WIFE JOYCE

CS34 A
EXC072(10M) A-1 TOLL
FIBER COUNT?
EXC0144(E) A-2 TOLL
FIBER COUNT?
EXC028B(10M) B-1
CS34F,1-288

CS34F,262

27

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COMMUNICATION RELOCATION
STA. 1406+00 TO STA. 1419+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U5-14
		100260.03	

N

122
ENRIQUE J. MENDEZ AND WIFE JOSEFINA GONZALEZ AND FRANCISCO A. CHAVES

124
RICHARD K. JONES

125
GARY DOUGLAS RICHARDSON AND WIFE, AMIE LEAH RICHARDSON

3
GARY DOUGLAS RICHARDSON AND WIFE, AMIE LEAH RICHARDSON

DONALD L. BRADY AND WIFE DONNA K.

420
1420
425
1425
430
1430

POND

ELMER O. COX AND WIFE, BETTYE U. COX

WWC-3/EPH-1
STR-11
WTL-11
WTL-10
WTL-12
STR-10
STR-12
STR-11 IMPACT
STR-10 IMPACT
STR-12 IMPACT
WWC-3
UNNAMED TRIBUTARY
UNNAMED TRIBUTARY NO. 11
MB
MB1
MB2
MB3
MB4
MB5
MB6
MB7
MB8
MB9
MB10
MB11
MB12
MB13
MB14
MB15
MB16
MB17
MB18
MB19
MB20
MB21
MB22
MB23
MB24
MB25
MB26
MB27
MB28
MB29
MB30
MB31
MB32
MB33
MB34
MB35
MB36
MB37
MB38
MB39
MB40

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/NH/HPP-28(32)	U5-15
		100260.03	

PROPOSED POLE LOCATIONS			
ROUTE NUMBER	POLE NUMBER	STATION	OFFSET
A ROUTE	P.35	1429+30.39	-139.52
A22R ROUTE	P.1	1378+45.61	+87.86

CAROL LEIGH BRACKETT
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COMMUNICATION RELOCATION
PROPOSED POLE LOCATIONS