THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

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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-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 - 174
SIDE ROAD CROSS SECTIONS	175 - 249
TRAFFIC CONTROL PLANS	T1 – T10P
BRIDGE PLANS	B1
GEOTECHNICAL PLANS	G-1
STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PLANS	S-1
UTILITIES PLANS	U1–1

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

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SHEET NAME	SHEET NO.
SIGNATURE SHEETS	ROADWAY-SIGN1
BRIDGE PLANS	B-1

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TTL
624 GRASSMERE DRIVE
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 SHEETS	ROADWAY-SIGN1
GEOTECHNICAL PLANS	G-1

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

PS&E
FIELD
REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE
SHEET

1/30/2026
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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

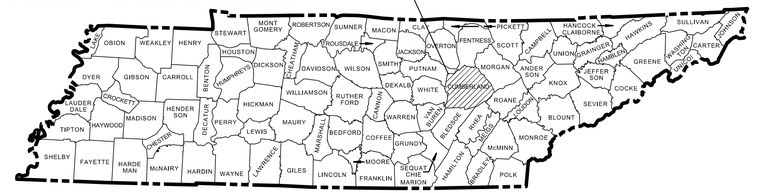
TENN.	YEAR	SHEET NO.
	2026	1
FED. AID PROJ. NO.	STP/NH/HPP- 28(32)	
STATE PROJ. NO.	18008-3230-14	

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

PLAN-IN-HAND
GRADE, DRAIN, BRIDGE, PAVE, SIGN, STRIPE

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



SCALE: 1"= 1 MILE

0 0.5 1.0 1.5 MILES

NO EXCLUSIONS

PS&E FIELD REVIEW

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

P.L. ℄ S.R. 28 STA. 1443+15.11

N: 650511.9000 E: 2246811.5563

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

P.L. ℄ S.R. 28 STA. 1431+51.23

N: 649519.4315 E: 2246203.5965

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

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

P.L. ℄ S.R. 28 STA. 432+00.00

N: 649573.5140 E: 2246194.5083

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

P.L. ℄ S.R. 28 STA. 431+58.63

N: 649538.2364 E: 2246172.8982

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

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 JANUARY 1, 2021 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	2.745 MILES
ROADWAY LENGTH	2.945 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

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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-36A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 36" PIPE WITH STEEL PIPE GRATE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-36B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 36" PIPE, BILL OF STEEL AND PRECAST NOTES
D-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”)

PS&E
FIELD
REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX
AND
STANDARD
ROADWAY
DRAWINGS

1/30/2026
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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

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

PS&E
FIELD
REVIEW

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DEPARTMENT OF TRANSPORTATION

STANDARD
ROADWAY
DRAWINGS

1/30/2026
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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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STANDARD
TRAFFIC
OPERATIONS &
STRUCTURE
DRAWINGS

1/30/2026
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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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PROJECT
COMMITMENTS

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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.	641073
(2) (4) (5) 6)	203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	49596
	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	28984
(2) (4) (5) (7)	203-05	UNDERCUTTING	C.Y.	14979
	203-06	WATER	M.G.	1028
	203-07	FURNISHING & SPREADING TOPSOIL	C.Y.	13633
	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
(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.	98688
(4) (11)	209-08.07	ROCK CHECK DAM	EACH	738
(4) (11)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	98
(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	133163
	303-01.01	GRANULAR BACKFILL (ROADWAY)	TON	3227
(4) (11) (13)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	806
	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	4208
	307-01.21	ASP. CONC. MIX(PG70-22) (BPMB-HM) GR. A-S	TON	7290
	307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	7728
	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	5105
	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	190
(4)	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	751
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	68
(4)	407-20.05	SAW CUTTING ASPHALT PAVEMENT	L.F.	1150
	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER	TON	3185
	411-01.10	ACS MIX(PG64-22) GRADING D	TON	2401
	411-02.10	ACS MIX(PG70-22) GRADING D	TON	4819
	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.	1
	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.	996
(14)	607-39.03	24" PIPE CULVERT (SIDE DRAIN)	L.F.	275
(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	90
	611-07.32	24IN ENDWALL (SIDE DRAIN)	EACH	36

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 18008-3230-14
	611-07.33	30IN ENDWALL (SIDE DRAIN)	EACH	12
	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	7
	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
	611-07.65	36IN ENDWALL (CROSS DRAIN) 6:1	EACH	2
	611-07.66	42IN ENDWALL (CROSS DRAIN) 3:1	EACH	2
	611-07.68	42IN ENDWALL (CROSS DRAIN) 6:1	EACH	2
(15) (4)	621-03.02	18" TEMPORARY DRAINAGE PIPE	L.F.	71
(16) (4)	621-03.03	24" TEMPORARY DRAINAGE PIPE	L.F.	20
(4)	621-03.05	36" TEMPORARY DRAINAGE PIPE	L.F.	146
	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 TERMINALTRAILING 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.	22700
	707-03.02	END, BRACED LINE, CORNER POST ASSEMBLY(STOCK FENCE)	EACH	225
	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	LS	1
(4)(11)	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	12993
	708-02.01	MARKERS (CONCRETE R.O.W. POSTS)	EACH	138
(17)	709-01.01	RUBBLE STONE RIP-RAP	C.Y.	3
(11) (13) (18) (4)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	731
(11) (14) (19) (4)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	11342
(20) (4)	709-05.08	MACHINED RIP-RAP (CLASS B)	TON	5585
(21) (4)	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	295
	712-04.50	BARRIER RAIL DELINEATOR	EACH	500
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	64
	712-06	SIGNS (CONSTRUCTION)	S.F.	646
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	384
	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.	1620
	713-02.04	DELINEATOR (MILE MARKER) & STEEL POST	EACH	6
	713-02.21	SIGN POST DELINEATION ENHANCEMENT	L.F.	378
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	3730
	713-11.21	P POST SLIP BASE	EACH	47
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	528
	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	4
(23)	716-01.07	TEMPORARY RAISED PAVEMENT MARKER,YELLOW	EACH	170
	716-01.21	SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH	395

SEE SHEET 2-1 FOR FOOTNOTES

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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
	716-01.22	SNOWPLOWABLE RAISED PAVMENT MARKERS (MONO-DIR)(1 COLOR)	EACH	18
(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.	17214
(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.	75400
(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 80 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 5,839 TONS TO BE USED IN DRIVEWAYS

(13) INCLUDES 806 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) 550 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) 5,165 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) 15,261 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

PS&E FIELD REVIEW

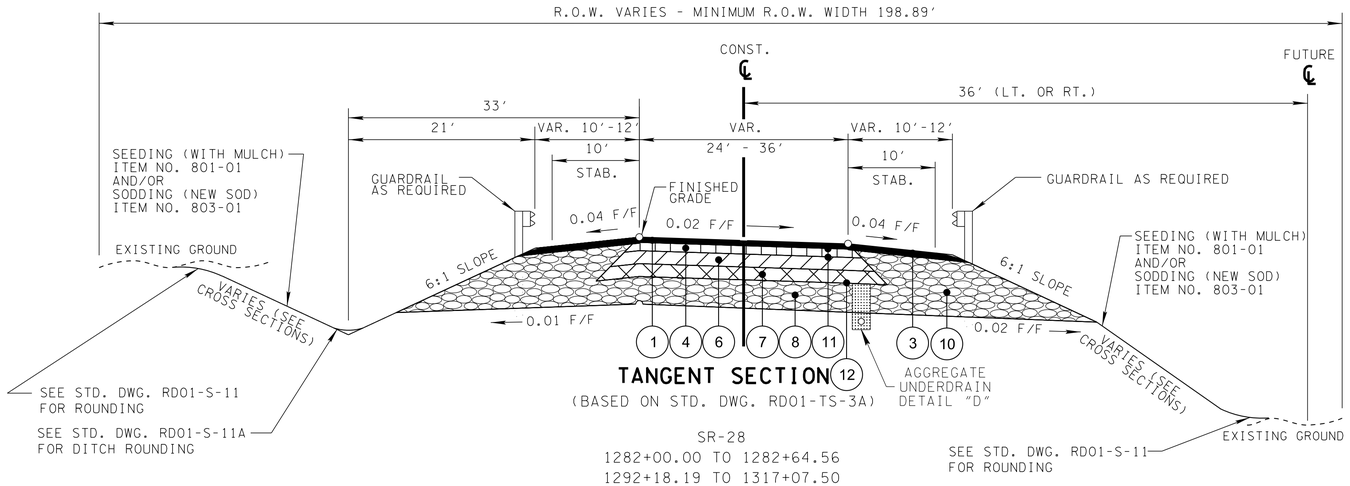
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ESTIMATED ROADWAY QUANTITIES

1/30/2026
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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

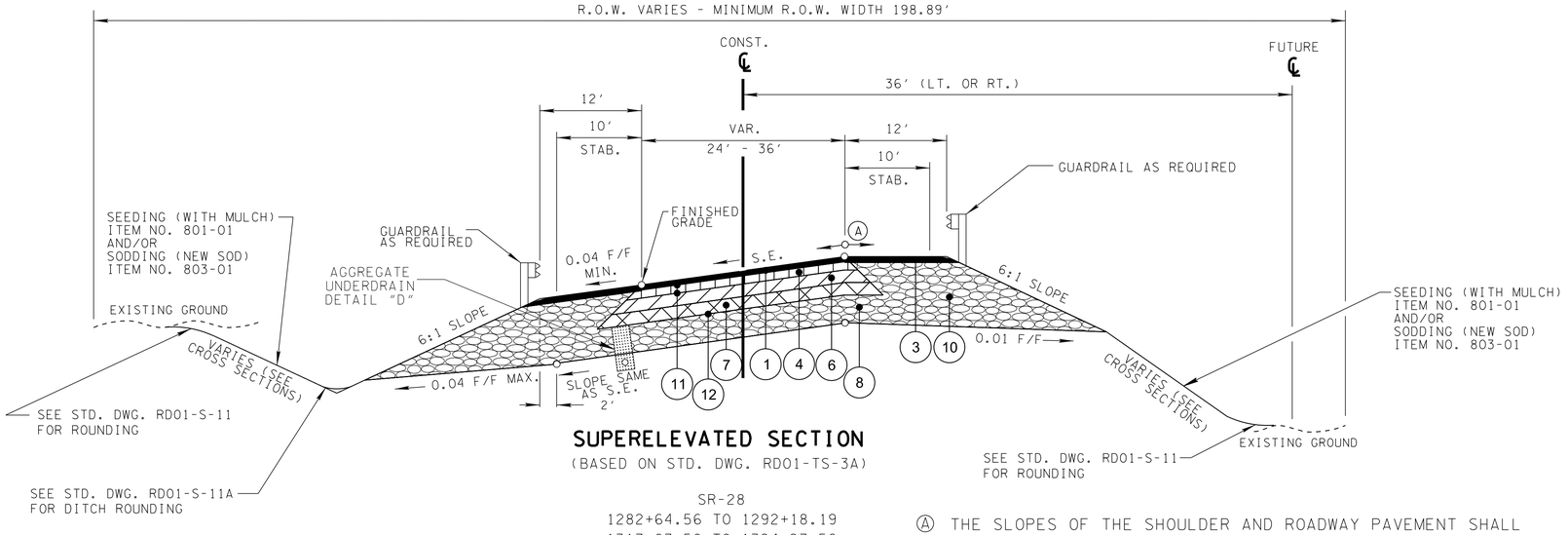


TANGENT SECTION 12

(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 1362+39.16
1362+39.16 TO 1368+63.84
1379+62.14 TO 1382+80.41
1409+61.67 TO 1431+92.60

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

PS&E FIELD REVIEW

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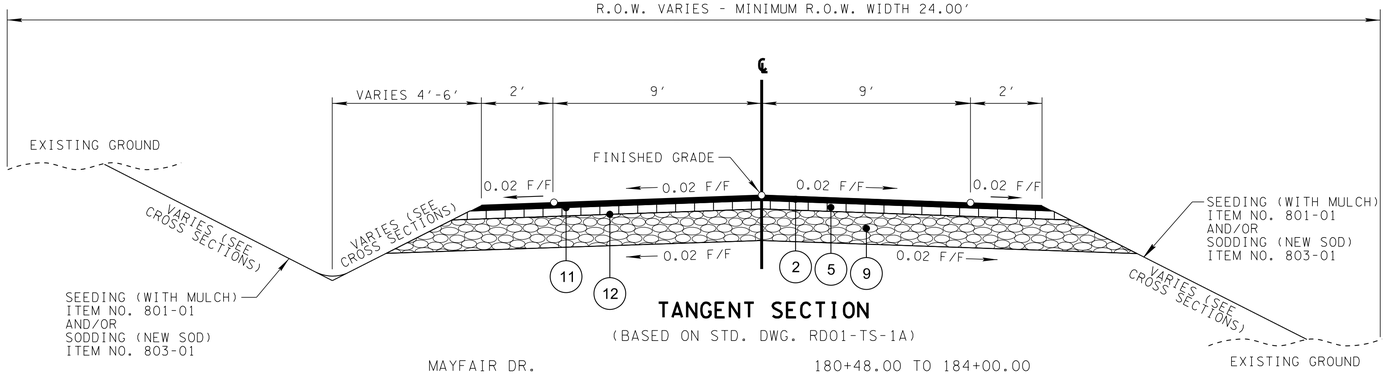
TYPICAL SECTIONS

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

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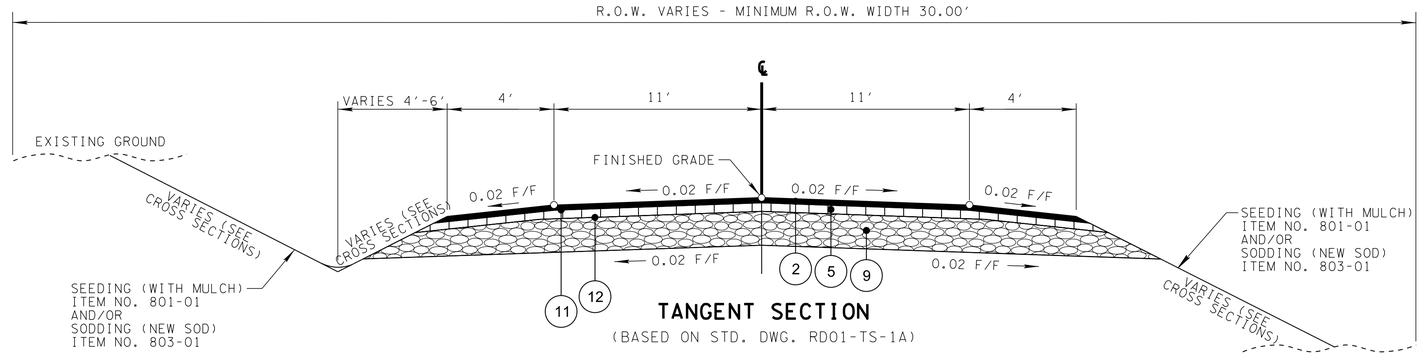
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP- 28(32)	2A
PIH	2026	STP/NH/HPP- 28(32)	2B1
PS&E	2026	STP/NH/HPP- 28(32)	2B1



TANGENT SECTION

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

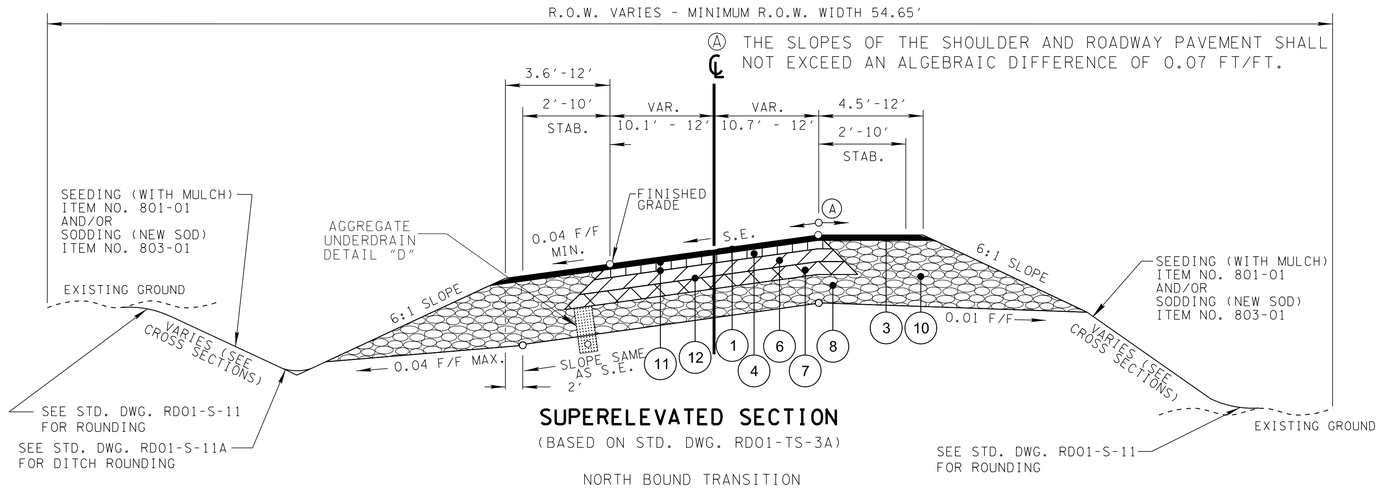
MAYFAIR DR.	180+48.00 TO 184+00.00
BYERS LN.	211+00.00 TO 215+75.10
LELAND PRYOR RD.	260+16.95 TO 265+44.01
CONLEY RD.	290+48.03 TO 292+50.00
HOLLOW LN.	310+48.00 TO 313+45.74
OLD SR 28 EAST	330+12.00 TO 331+80.00



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



SUPERELEVATED SECTION

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

NORTH BOUND TRANSITION
800+00.00 TO 811+32.28

TRANSITIONS TABLE

LOCATION	STATION		SIDE		OFFSET		TYPE	
	FROM	TO	LT	RT	FROM	TO	SHLDR.	PVMT.
NB TRANSITION	808+00.00	811+32.28	X		24.00	13.65	X	
NB TRANSITION	810+12.28	811+32.28	X		12.00	10.05		X
NB TRANSITION	809+92.00	811+32.28		X	24.00	15.24	X	
NB TRANSITION	810+12.28	811+32.28		X	12.00	10.71		X
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

PS&E FIELD REVIEW

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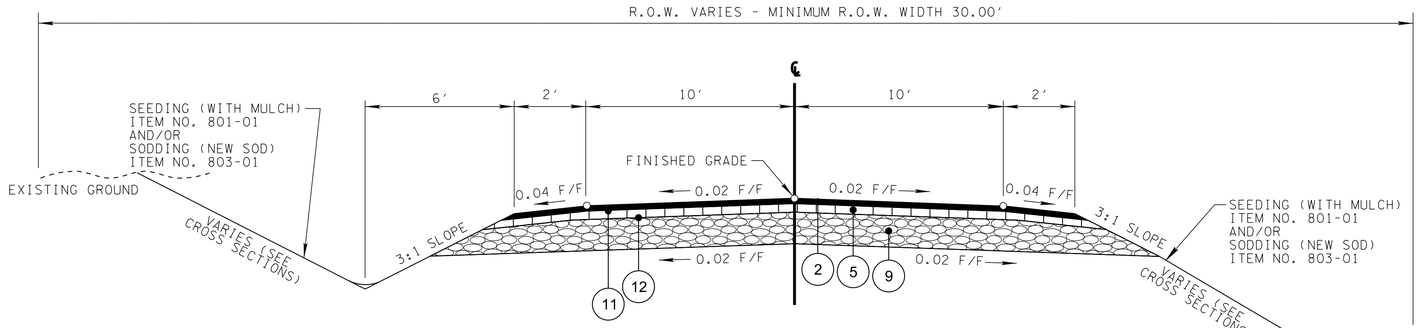
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

NOTE: SEE SHEET 2B4 FOR PAVEMENT SCHEDULE

1/30/2026
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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

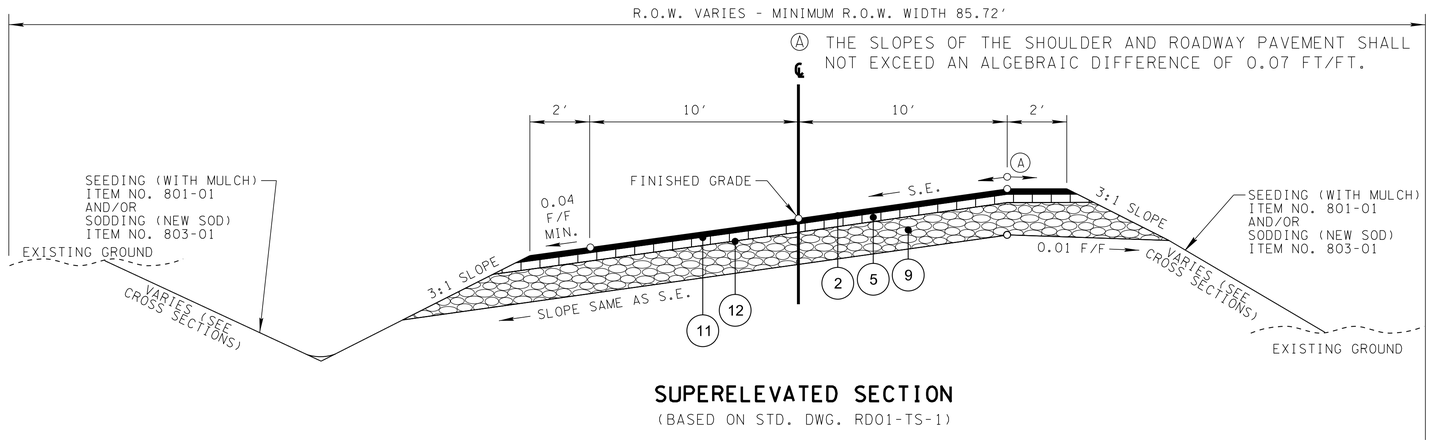


TANGENT SECTION

(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
CATOOSA 500+12.20 TO 501+55.00

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

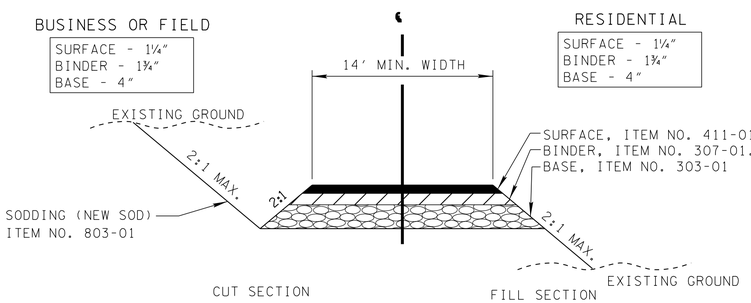


SUPERELEVATED SECTION

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

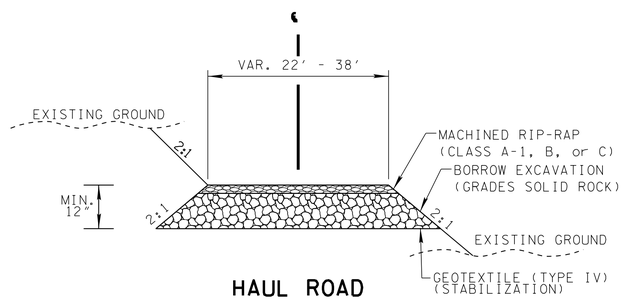
RECTOR RD. 232+07.45 TO 233+45.78

NOTE: DITCH TO BE CONSTRUCTED WHERE DIRECTED BY THE ENGINEER



TYPICAL SECTION

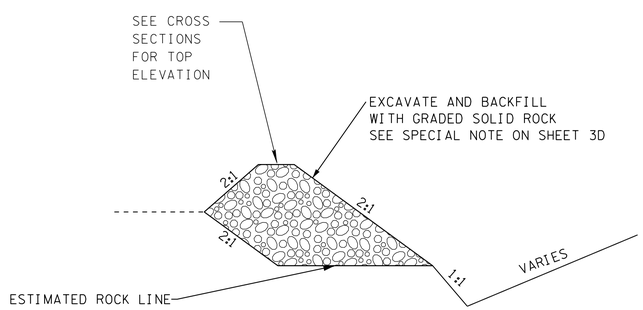
PRIVATE DRIVE TO BUSINESS, FIELD, OR RESIDENTIAL PROPERTY



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

PS&E FIELD REVIEW

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TYPICAL SECTIONS

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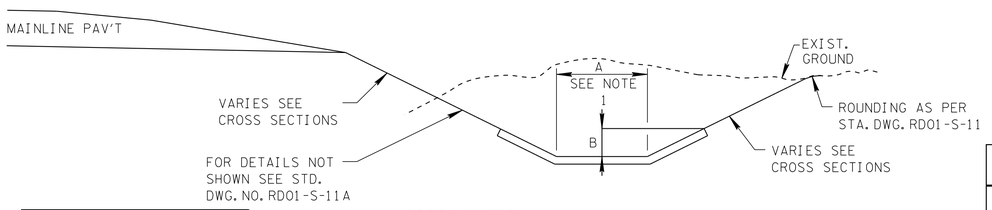
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP- 28(32)	2C
PIH	2026	STP/NH/HPP- 28(32)	2B3
PS&E	2026	STP/NH/HPP- 28(32)	2B3

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
NORTHBOUND TRANSITION	800+50.68	802+50	X										SOD
NORTHBOUND TRANSITION	806+00	807+50	X										SOD
NORTHBOUND TRANSITION	809+50	811+32.28		X									SOD
TOTALS							1939	1953	20222	5681	217	2179	



PS&E FIELD REVIEW

DITCH NOTES:

1. WHERE PROP. LAYOUT OR CROSS SECTIONS INDICATES "V" DITCH, THEN A=0, PROVIDE ROUNDING AS PER STD. DWG RDO1-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"	SS (LT)	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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SPECIAL DITCH TYPICALS AND LOCATIONS

1/30/2026
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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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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

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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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GENERAL
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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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SPECIAL
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PIH	2026	STP/NH/HPP-28(32)	2E
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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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ENVIRONMENTAL
NOTES

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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 PIPE (24") (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	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			
16	SR-28	1431+61.58	1431+83.72	X		CMP		41				
16	SR-28	1432+79.49	1432+99.67	X		CMP		21				
16	SR-28	1433+42.50	1433+41.23	X		RCP					41	
16	SR-28	1433+56.53	1434+07.29	X		CMP			51			
16	SR-28	1434+21.85	1434+44.26	X		CMP			23			
TOTAL							846	222	972	78	41	83

NO ADDITIONAL COMPENSATION WILL BE MADE FOR THESE REMOVALS.

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

PS&E
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TABULATED
QUANTITIES

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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
800+06.74	NB TRANSITION	54°				112									U	D-PE-36A D-PE-99	U	D-PE-36A D-PE-99	SAFETY GRATES REQUIRED
500+45.05	CATOOSA	80°	50												U	D-PE-18A D-PE-99	U	D-PE-18A 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	2	5
6A	4	2	3	9
7A	10	3	9	22
8A	11	4	9	24
9A	8	3	4	15
10A	8	4	6	18
11A	5	2	4	11
12A	6	1	2	9
13A	2		5	7
14A	1	1	1	3
15A	2	6	6	14
16A			1	1
TOTALS	59	27	52	138

PAVEMENT QUANTITIES

LOCATION (ROADWAY)	ALTERNATE	TYPE - GRADE - PAY ITEM (TON)											
		MINERAL AGG.	BITUMINOUS PLANT MIX BASE (HOT MIX)					PRIME COAT		TACK COAT	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				D	E	D
		303-01	307-01.01	307-01.08	307-01.21	307-02.01	307-02.08	402-01	402-02	403-01	411-01.10	411-01.07	411-02.10
SR-28		81514			7290	7728	4979	129	512	41		3185	2906
MAYFAIR		928		127				2	7	1	70		
BYERS		1170		160				2	9	1	89		
RECTOR		604		83				1	5		46		
GOSS		3316		454				6	25	2	252		
PRYOR		1318		180				2	10	1	100		
CLEARCREEK		921		126				2	7	1	70		
CONLEY		591		81				1	4		45		
OLD SR28 WEST		1537		210				3	12	1	117		
OLD SR28 EAST		499		68				1	4		38		
HOLLOW		818		112				2	6		62		
CATOOSA		520		72				2	4		40		
DETOURS		27523	3997	2534				37	147	22	1473		
DRIVEWAYS		5839					126						1913
TOTALS		127099	3997	4208	7290	7728	5105	190	751	68	2401	3185	4819

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TABULATED QUANTITIES

1/30/2026
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SIDE DRAIN TABULATION

STATION	LOCATION LT.	LOCATION RT.	DESCRIPTION	SURFACE WIDTH FT.	SKEW	RCP CLASS III OR CMP 16 GA OR PVC OR SRTRP OR HDPE OR PP (L.F.) FILL HEIGHT ≤ 10 FT. 18"x11"	22"x13"	29"x18"	18"	24"	30"	36"	END TREATMENT INLET TYPE	INLET DRAWING NO.	OUTLET TYPE	OUTLET DRAWING NO.	REMARKS
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	
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
1412+80.08	X		SR-28	14	90°				16				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D

SIDE DRAIN TABULATION (CONT.)

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

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TABULATED
QUANTITIES

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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
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
1434+32.60	X		SR-28	14	86°				16				SEW	D-SEW-1A	SEW	D-SEW-1A	SAFETY GRATES REQ'D
TOTALS						45	43	16	996	275	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)	36" IN. 6:1 07.65 (EACH)	42" IN. 3:1 07.66 (EACH)	42" IN. 6:1 07.68 (EACH)
SR-28	1306+28.22		78°		U	D-PE-30A						1	1			
SR-28	1305+99.42		90°		U	D-PE-24A		228		1						
BYERS	213+00.00		90°		U	D-PE-24A D-PE-99				2						
SR-28	1325+66.12		79°		U	D-PE-24A D-PE-99		25			2					
GOSS	241+17.00		90°		U	D-PE-18A D-PE-99	182		2							
PRYOR	264+85.00		86°		U	D-PE-42A D-PE-99									2	
CLEARCREEK	278+23.00		90°		U	D-PE-18A D-PE-99			2							
CONLEY	290+84.00		89°		U	D-PE-18A D-PE-99				2						
SR-28	1391+36.07		41°		U	D-PE-42A										2
HOLLOW	310+90.06		72°		U	D-PE-24A D-PE-99					2					
NB_TRANS	800+06.74		54°		U	D-PE-36 D-PE-99								2		
CATOOSA	500+45.05		80°		U	D-PE-18A D-PE-99				2						
TOTALS							182	253	4	7	4	1	1	2	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.
2301318	23171	5813	28984	42617	28984	13633	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

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

ESTIMATED GRADING QUANTITIES

DESCRIPTION	UNADJUSTED VOLUMES (CY) EXC.	UNADJUSTED VOLUMES (CY) EMB.	ADJUSTED VOLUMES (CY) EXC.
MAINLINE	291736	152616	262563
SIDE ROADS	58674	6310	52807
HAUL ROADS	18734	6468	16861
STREAM RELOCATIONS	10803	0	9723
TEMPORARY CONSTRUCTION EXITS	80	0	72
PAVEMENT REMOVALS	5431	0	4888
TOPSOIL (EMB.)	8757		
TOPSOIL (EXC.)	23171		
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	641073	165394	417386	385458	604153

BALANCE SUMMARY

SHRINK = 10 % SWELL = 15 %

EXC.		EMB.
604153	VS.	-165394

AVAILABLE = 438759

WASTE MATERIAL = 482635

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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		
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		
OLD SR-28 EAST	333+64.02		NA						
SUBTOTALS						58	24	4	4

SIDE DRAIN ENDWALLS (CONT.)

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			
SR-28	1434+32.60	-52.07	SEW	D-SEW-1A	86°	2			
TOTALS						90	36	12	4

PS&E FIELD REVIEW

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DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

1/30/2026
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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

PS&E
FIELD
REVIEW

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

1/30/2026
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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.

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)	
~~19~~	~~HUEL S. NEAL AND WIFE HATTIE~~	~~38~~	~~49~~	~~381~~	~~243~~	~~86.714~~	~~5.873~~	~~92.587~~				~~86.714~~	~~5.873~~				
~~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	1634			
~~27~~	~~VAN A. LOCKE AND WIFE GEORGIA B.~~	~~38~~	~~19.00~~	~~1504~~	~~1802~~	~~2.724~~		~~2.724~~				~~2.724~~					
28	JUANITA SEVIER	38	25	1219	1635	0.618	4.363	4.981				0.618	4.363	2843			
~~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	2980			
37	AVRON TRUSS CO.	38	21	220	23	4.880		4.880	0.201		0.201	4.679					
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

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)

PS&E FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY ACQUISITION TABLE

1/30/2026
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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				0.045 AC	(2)
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			*	222.577					
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
* INCIDENTAL DAMAGES - CONTROLLED ACCESS FENCE

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.

PS&E FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY ACQUISITION TABLE

1/30/2026
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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					
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.

SEALED BY

PS&E FIELD REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY ACQUISITION TABLE

1/30/2026
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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.

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);
18008-2221-14 (R.O.W.)
STA. 301+50.00 S.R. 28 (U.S. 127)
N: 637051.3087
E: 2245094.8085

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 100260.03
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. 1316+00 SEE SHT. NO. 3E

LEGEND

- TEMPORARY CONSTRUCTION EASEMENT
- PERMANENT DRAINAGE EASEMENT
- WETLAND

PS&E FIELD REVIEW

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

PROPERTY MAP

STA. 1282+00 TO STA.1316+00

SCALE: 1"=200'

1/30/2026
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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.

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

LEGEND

TEMPORARY CONSTRUCTION EASEMENT

WETLAND

PS&E FIELD REVIEW

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

PROPERTY MAP

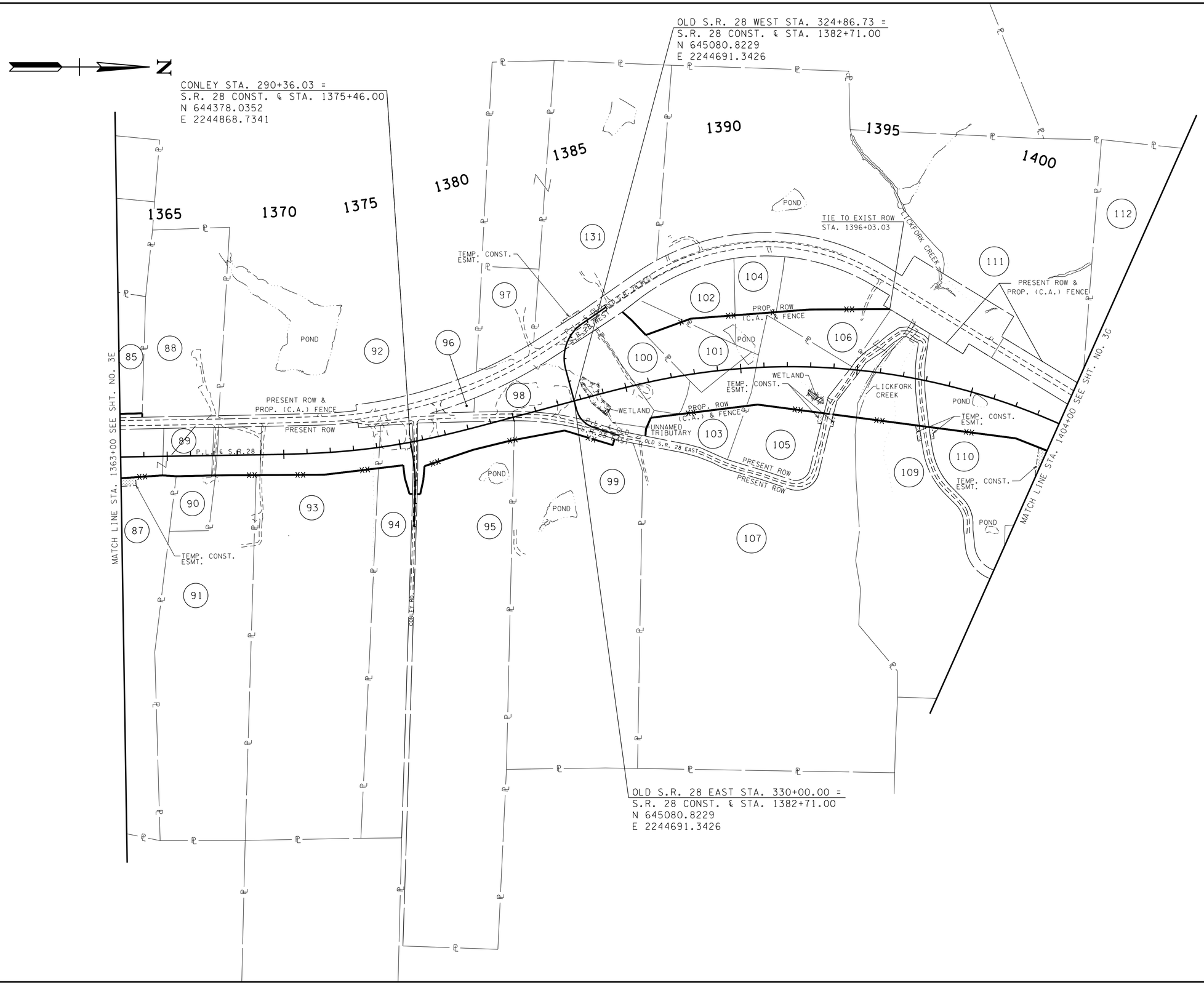
STA.1316+00 TO STA.1363+00

SCALE: 1"=200'

1/30/2026
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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.



LEGEND

TEMPORARY CONSTRUCTION EASEMENT

WETLAND

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA.1363+00 TO STA.1404+00

SCALE: 1"=200'

1/30/2026
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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.

N

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

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-2219-14 (R.O.W.)
STA. 431+58.63
N 649538.2364
E 2246172.8982

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-3219-14 (CONST.)
STA. 432+00.00
N 649573.5140
E 2246194.5083

1405 1410 1415 1420 1425 1430 1435 1440

MATCH LINE STA. 1404+00 SEE SHT. NO. 3F

TEMP. CONST. ESMT.
TIE TO EXIST ROW STA. 1408+42.84
P.I. ℄ S.R. 28
PROP. ROW (C.A.) & FENCE
EXIST. ESMT.
TIE TO EXIST ROW STA. 1430+21.49
PRESENT ROW & PROP. (C.A.) FENCE
PRESENT ROW
P.I. ℄ N.B. TRANS.
WETLAND
POND
UNNAMED TRIBUTARY
HOLLOW LANE
PRESENT ROW
PROP. ROW (C.A.) & FENCE (BY OTHERS)

110 112 113 114 115 116 117 119 120 121 122 123 124 125 126 127 128 129 130 132 134

N.B. TRANS. STA. 800+00.00 =
S.R. 28 CONST. ℄ STA. 1431+92.60
N 649554.7127
E 2246225.2088

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

LEGEND
TEMPORARY CONSTRUCTION EASEMENT
WETLAND

PS&E FIELD REVIEW

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

PROPERTY MAP

STA.1404+00 TO STA. 1443+15

SCALE: 1"=200'

1/30/2026
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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

1280

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

1285

1290

UNNAMED TRIBUTARY

TRAIL

POND

BARN

SILO

FOUNDATION

TS 1282+64.56

SC 1285+09.56

CS 1289+73.19

PROP. ROW (BY OTHERS)

PERM. DRAINAGE ESMT. (BY OTHERS)

19

HUEL S. NEAL AND WIFE HATTIE

TANK

1-FR. SHED

1-FR. RES.

WOVEN WIRE

TOP OF CUT

TO BE REMOVED 20' OF 12"CMP

P/CATV

W.V.

P.L. ℄ S.R. 28
N 5° 24' 35" W

TO BE REMOVED 30' OF 12"CMP

PRESENT ROW

℄ EXIST.

℄ PROP.

GPS = S39
N 635000.9321
E 2245242.4225
EL. 1884.87

P/CATV

30' OF 12"CMP

32' OF 18"CMP

22'

BARB WIRE

RIGHT-CURVE

STOP

W.M.

P/T/CATV

MATCH LINE STA. 1290+00 SEE SHT. NO. 5

BERM (RETAIN)

PND-1

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

HAROLD
LAVON
ALLRED

180

1-FR. RES.

TR. RES.

BETTY MYERS

21

15'

8"/92' EIP

HUBERT CONLEY ROAD

GR.

22

DEANN J. STONE,
MELISSA GAIL STACK,
AND
TRACEY LEVON BALDWIN

23

JOHN ALEXANDER TEEPLE

1-FR. BARN

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

PS&E FIELD REVIEW

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

PRESENT LAYOUT

STA. 1282+00 TO STA. 1290+00

SCALE: 1"= 50'

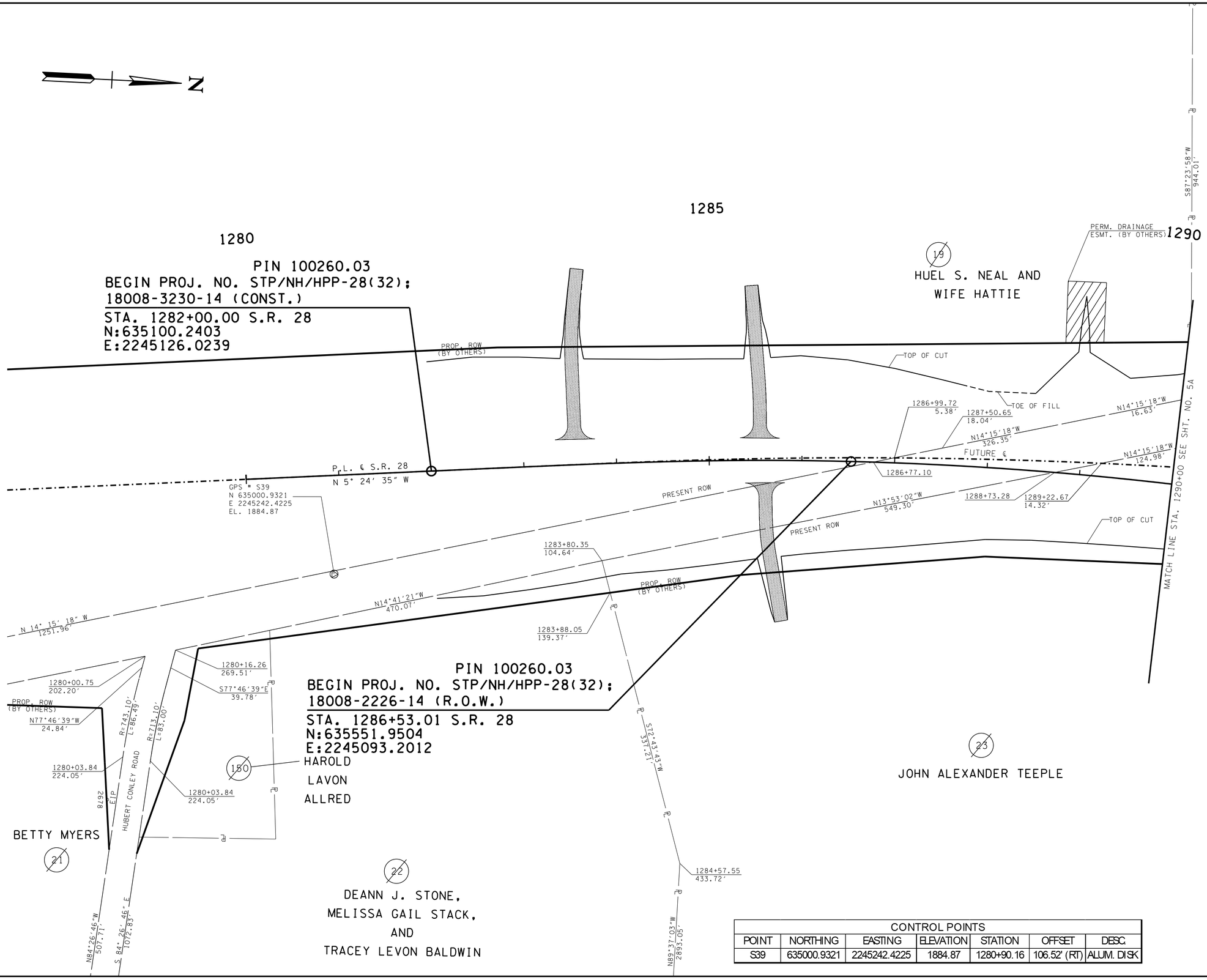
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	STP/NH/HPP-28(32)	4A
PIH	2026	STP/NH/HPP-28(32)	4A
PS&E	2026	STP/NH/HPP-28(32)	4A

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

PS&E FIELD REVIEW

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

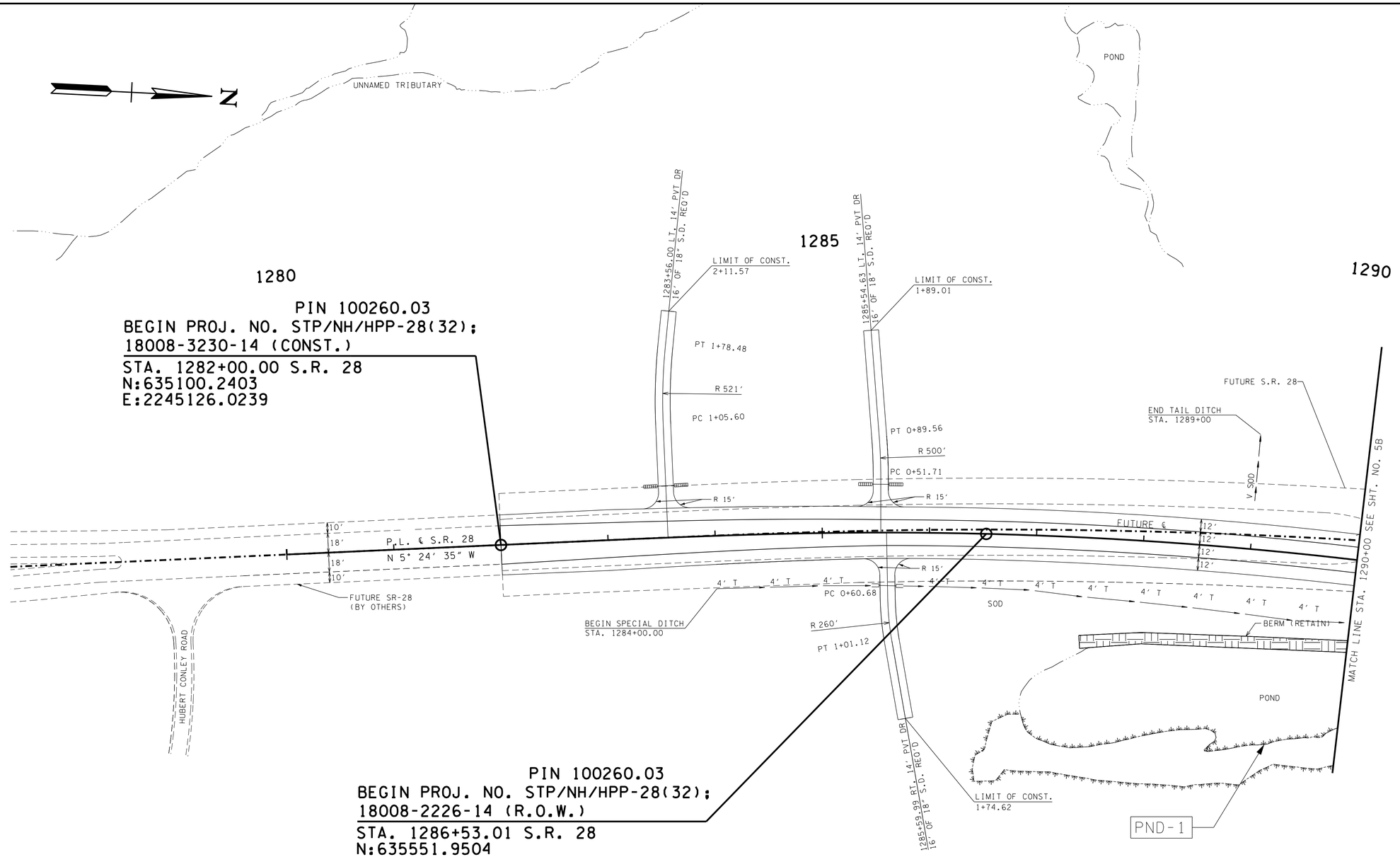
RIGHT-OF-WAY DETAILS

STA. 1282+00 TO STA. 1290+00

SCALE: 1"= 50'

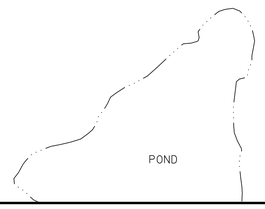
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	4B
PIH	2026	STP/NH/HPP-28(32)	4B
PS&E	2026	STP/NH/HPP-28(32)	4B



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

PS&E
FIELD
REVIEW

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED
LAYOUT

STA. 1282+00 TO STA. 1290+00

SCALE: 1"= 50'

1/30/2026
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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.

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

PS&E
FIELD
REVIEW

SEALED BY

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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.

1/30/2026
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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.

DENNIS LEE BRANSTETTER AND WIFE MARGARET
25
24
DENNIS BRANSTETTER AND WIFE, MARGARET BRANSTETTER
VAN A. LOCKE AND WIFE GEORGIA B.
27
29
GEORGIA LOCKE
Barn
TANK
GAR.
GAR.
1-FR. RES.
1290
1295
1300
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
1-BR. RES.
MAYFAIR STA. 180+36.00 =
MAINLINE STA. 1299+55.00
N 636849.9398
E 2245185.3912
30
VAN A. LOCKE AND WIFE GEORGIA B.
GRASS
32
VAN A. LOCKE AND WIFE GEORGIA B.
33
AVERY CONLEY AND WIFE MICHELLE
1-METAL SH
1-METAL SHE
1-MET.
MB
AVRON TRUSS 1-METAL BUS.
37
AVRON TRUSS CO.
THESE ARE TRACTS FOR MOVING TRUSSES TO TRUCKS
GPS = S40
N 636198.3641
E 2244974.6222
EL. 1875.40
ST 1292+18.19
W.M.
P/T/CATV
6" W
EIP
CP-S40
TO BE REMOVED 20' OF 12"CMP
P/CATV
TO BE REMOVED 30' OF 18"CMP
PROP. ROW (BY OTHERS)
TO BE REMOVED 29' OF 18"CMP
CHAIN LINK
AVRON TRUSS
TO BE REMOVED 48' OF 18"CMP
I-BR. RES.
TO BE REMOVED 21' OF 18"CMP
ASP.
CURB
AVRON TRUSS
EW
8" G
TOE OF FILL
TOP OF CUT
TO BE REMOVED 20' OF 18"CMP
TO BE REMOVED 40' OF 18"CMP
TO BE REMOVED 38' OF 18"CMP
PORCH
BLOCK RUIN
GRADED SOLID ROCK SEE SPECIAL NOTE ON SHEET 2D
BEGIN WTL-1 IMPACT STA. 1290+78.97
P.L. ℄ S.R. 28
P.L. ℄ S.R. 28 N 5° 13' 11" E
END WTL-1 IMPACT STA. 1291+80.83
BEGIN STR-1 IMPACT STA. 1291+79.90
GRASS
TOE OF FILL
TALL GRASS AND WEEDS
MAYFAIR DR.
WTL-2
GPS = S41
N 636887.5668
E 2245098.8460
EL. 1863.33
GRADED SOLID ROCK SEE SPECIAL NOTE ON SHEET 2D
TR. RES. (REMOVE)
ASP./FR. GAR. (REMOVE)
36
38
1-FR (REMOVE)
END STR-1 IMPACT STA. 1294+32.44
PROP. ROW (BY OTHERS)
PC 181+05.07
34
LINDA L. PRICHETT
BEGIN WTL-3 IMPACT STA. 1299+78.19
BEGIN WTL-3 IMPACT STA. 1301+83.30
TOE OF FILL
TOP OF CUT
UNNAMED TRIBUTARY
WTL-1
PERM. DRAINAGE ESMT.
POND
BEGIN STR-1 IMPACT STA. 1299+25.41
STR-1
PT 182+02.57
PROP. ROW (C.A.) & FENCE
BEGIN WTL-2 IMPACT STA. 1299+34.61
PHILIP J. COUDRIET AND WIFE TERRI L.
31
PC 182+51.54
BEGIN STR-1 IMPACT STA. 1302+07.25
BEGIN TEMPORARY WTL-3 IMPACT STA. 1301+02.34
END TEMPORARY WTL-3 IMPACT STA. 1301+17.98
PND-1
PND-2
END WTL-2 IMPACT STA. 1299+55.31
BEGIN FENCE 1300+19.51
TO BE REMOVED 21' OF 18"CMP
END WTL-3 IMPACT STA. 1300+47.97
END STR-1 IMPACT STA. 1300+48.22
GRADED SOLID ROCK SEE SPECIAL NOTE ON SHEET 2D
TO BE REMOVED 21 LF OF 12"PLASTIC
35
GENE BEYER AND WIFE LENOR A.
PT 183+92.36
LIMIT OF CONST. 184+00.00
TR. RES.
1-BR. RES.
FN POST
TRAIL
26
JAMES M. WICKER AND WIFE, RENEE J.WICKER
23
JOHN ALEXANDER TEEPLE
28
JUANITA SEVIER

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

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

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

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

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

PS&E FIELD REVIEW

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

PRESENT LAYOUT

STA. 1290+00 TO STA. 1303+00

SCALE: 1"= 50'

1/30/2026
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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.

NOTE:
SLOPE LINES SHOWN TO REPRESENT THE ULTIMATE SECTION

LEGEND
- TEMPORARY CONSTRUCTION EASEMENT
- PERMANENT DRAINAGE EASEMENT

DENNIS LEE BRANSTETTER AND WIFE MARGARET
25
24
DENNIS BRANSTETTER AND WIFE, MARGARET BRANSTETTER
VAN A. LOCKE AND WIFE GEORGIA B.
27
GEORGIA LOCKE
29
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
30
VAN A. LOCKE AND WIFE GEORGIA B.
32
VAN A. LOCKE AND WIFE GEORGIA B.
33
AVERY CONLEY AND WIFE MICHELLE
1300
1295
37
AVRON TRUSS CO.
GPS = S40
N 636198.3641
E 2244974.6222
EL. 1875.40
GPS = S41
N 636887.5668
E 2245098.8460
EL. 1863.33
36
38
34
LINDA L. PRICHETT
35
GENE BEYER AND WIFE LENOR A.
PHILIP J. COUDRIET AND WIFE TERRI L.
31
26
JAMES M. WICKER AND WIFE, RENEE J.WICKER
28
JUANITA SEVIER
23
JOHN ALEXANDER TEEPLE
MATCH LINE STA. 1290+00 SEE SHT. NO. 4A
MATCH LINE STA. 1303+00 SEE SHT. NO. 6A
P.L. ℄ S.R. 28
N 5° 13' 11" E
PRESENT ROW
PROP. ROW (BY OTHERS)
TOP OF CUT
TOE OF FILL
FUTURE ℄
PERM. DRAINAGE ESMT.
BEGIN FENCE 1300+19.51
LIMIT OF CONST. 184+00.00
MAYFAIR DR.
S 84° 46' 49" E 223.54'
N 88° 30' 44" W 185.15'
S 5° 13' 11" W 532.36'
N 5° 13' 11" E 532.36'
N 0° 37' 47" W 215.73'
S 4° 28' 28" E 256.57'
N 80° 39' 26" W 73.12'
S 87° 49' 38" W 93.44'
N 87° 49' 43" E 145.21'
S 87° 49' 43" W 109.90'
N 87° 49' 43" E 106.05'
S 88° 54' 27" W 46.85'
S 88° 54' 27" W 95.26'
S 85° 15' 03" W 85.55'
N 81° 25' 02" E 108.41'
S 87° 26' 23" W 140.04'
N 88° 40' 01" E 108.49'
S 88° 40' 01" W 145.26'
N 04° 10' 19" E 70.41'
N 04° 10' 19" E 128.65'
FN POST
S 87° 35' 50" W 473.26'
N 89° 35' 39" E 438.24'
N 89° 10' 30" E 934.56'
N 89° 08' 46" E 947.85'
S 89° 38' 20" W 972.22'
S 89° 51' 13" W 1000.49'
S 89° 46' 28" E 966.57'
S 87° 35' 50" W 730.66'
S 89° 13' 09" W 727.12'
S 88° 39' 58" W 114.89'
S 88° 39' 58" W 58.69'
S 89° 13' 09" W 67.13'
N 87° 35' 50" E 37.78'
N 14° 15' 18" W 16.63'
N 06° 41' 19" E 109.89'
N 06° 41' 19" E 153.74'
N 06° 41' 19" E 213.39'
N 06° 41' 19" E 56.72'
N 06° 41' 19" E 275.50'
N 06° 41' 19" E 258.23'
N 06° 01' 04" E 186.08'
N 06° 01' 04" E 92.18'
N 06° 01' 04" E 138.45'
N 06° 11' 13" E 37.97'
N 06° 11' 13" E 98.73'
N 88° 47' 34" W 50.98'
N 88° 47' 34" W 53.17'
N 88° 47' 34" W 51.48'
N 88° 30' 44" W 30.60'
N 03° 37' 29" E 126.48'
S 77° 15' 50" E 93.06'
N 4° 11' 14" E 4.77'
S 4° 10' 19" W 2.89'
S 4° 11' 14" E 125.32'
S 4° 10' 19" W 70.49'
S 88° 40' 01" W 30.14'
N 88° 54' 27" E 46.85'
S 88° 30' 44" W 88° 30' 44" E
1290+09.74 94.63'
1290+25.22 99.84'
1290+46.67 106.84'
1290+63.70 59.85'
1290+40.78 52.40'
1290+68.22 22.34'
1290+04.60 86.48'
1290+81.25 150.23'
1292+81.25 150.23'
1293+56.61 151.36'
1293+62.35 34.61'
1293+55.33 101.37'
1293+40.46 90.86'
1293+41.44 134.88'
1294+13.31 149.90'
1294+41.48 90.53'
1294+43.33 134.55'
1295+23.16 147.08'
1296+30.74 94.31'
1296+37.44 36.00'
1297+36.49 141.63'
1298+90.17 137.67'
1298+88.82 87.92'
1299+24.31 86.86'
1299+27.87 36.00'
1299+46.28 136.43'
1299+48.40 86.38'
1299+85.82 85.77'
1299+86.52 135.77'
1299+51.93 36.00'
1299+54.46 51.48'
1300+88.96 36.00'
1300+84.29 36.00'
1300+77.99 84.49'
1300+80.42 453.52'
1300+83.31 453.47'
1300+09.94 454.81'
1300+83.86 30.14'
1301+70.15 161.00'
1301+72.58 133.18'
1301+83.65 144.00'
1301+07.64 144.00'
1301+83.65 166.76'
1301+19.66 236.66'
1301+80.83 237.05'
1301+94.47 342.22'
1302+69.02 131.83'
1302+68.33 81.84'
1302+16.43 82.56'
1302+21.58 36.00'
1302+25.56
1302+32.05 58.68'
1302+64.37 144.00'
1302+64.37 166.76'
1302+08.61 451.21'
1302+13.38 451.12'
1302+12.49 481.11'
R=928.56' L=241.05'
R=928.56' L=75.40'
R=928.56' L=22.98'
R=878.56' L=296.83'
R=878.56' L=24.32'
R=1144.42' L=75.70'
R=9119.12' L=174.27'
R=9143.12' L=146.50'
R=8229.84' L=40.24'
R=8229.84' L=56.12'
R=8279.84' L=37.43'
R=8279.84' L=35.42'
R=17836.30' L=120.60'
R=17786.30' L=206.54'
30' 30'

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'

PS&E FIELD REVIEW

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

RIGHT-OF-WAY DETAILS

STA. 1290+00 TO STA. 1303+00

SCALE: 1"= 50'

1/30/2026
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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
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
INV. 1856.14
33 EW
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
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
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
34 EW
INV. 1855.12
END STR-1 IMPACT STA. 1294+32.44
END PROPOSED STR-1 CHANNEL RELOCATION STA. 1294+32.44
LIMIT OF CONST. 2+22.76
1292+98.63 RT. 14' PVT DR 41' OF 8' X 3' RCBC REQ'D 1' EMBEDMENT
1294+67.83 RT. 14' PVT DR NO S.D. REQ'D
LIMIT OF CONST. 1+09.15
UNNAMED TRIBUTARY
LIMIT OF CONST. 1+94.80
1297+97.64 LT. 14' PVT DR 19' OF 24" S.D. REQ'D
PND-2
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
MATCH LINE STA. 1303+00 SEE SHT. NO. 6B
P.L. ℄ S.R. 28
N 5° 13' 11" E
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
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

PS&E FIELD REVIEW

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. 1290+00 TO STA. 1303+00

SCALE: 1"= 50'

1/30/2026
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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

PIN 100260.01
END PROJ. NO. STP/NH-28(31):
18008-2221-14 (R.O.W.)
STA. 301+50.00 S.R. 28 =
STA. 1301+37.70 MAINLINE

PIN 100260.01
END PROJ. NO. STP/NH-28(31):
18008-3225-14 (CONST.)
STA. 298+45.00 S.R. 28 =
STA. 1298+32.80 MAINLINE

STA. 1299+55.00 S.R. 28 =
STA. 180+36.00 MAYFAIR
ELEV. 1866.26

OH WIRE
STA. 1299+62.11
LOW WIRE EL.1883.60'
2 POWER
1 TELEPHONE
1 CABLE

VPI 1297+90.08
EL. 1868.88

XCP S40 (18-127-40)
STA. 1292+86.95, -150.62'(LT)
N 636198.3641
E 2244974.6222
ELEV 1875.40
ALUM. DISK

XCP S41 (18-127-41)
STA. 1299+84.60, -89.61'(LT)
N 636887.5668
E 2245098.8461
ELEV 1863.33
ALUM. DISK

-0.50%
-1.07%
-1.05% RT
-3.02% LT

FINISHED GRADE
EXISTING GROUND

END SPEC. DITCH
STA. 1290+31.49
EL. 1865.14

245 FT TRANS.

STA 1292+18.19
SE = N.C.

VC = 1800.00'
K = 3157

1.25" GAS CROSSING
1299+34

BEGIN SPEC. DITCH LT
STA. 1301+00.00
EL. 1861.27

TRM I

1290+00 1291+00 1292+00 1293+00 1294+00 1295+00 1296+00 1297+00 1298+00 1299+00 1300+00 1301+00 1302+00 1303+00

1915 1910 1905 1900 1895 1890 1885 1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825 1820

PS&E FIELD REVIEW

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.1290+00 TO STA.1303+00

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)	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.

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

PS&E FIELD REVIEW

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

PRESENT LAYOUT

STA. 1303+00 TO STA. 1316+00

SCALE: 1"= 50'

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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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.

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.
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

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

PS&E FIELD REVIEW

SEALED BY

RIGHT-OF-WAY DETAILS

STA. 1303+00 TO STA. 1316+00

SCALE: 1"= 50'

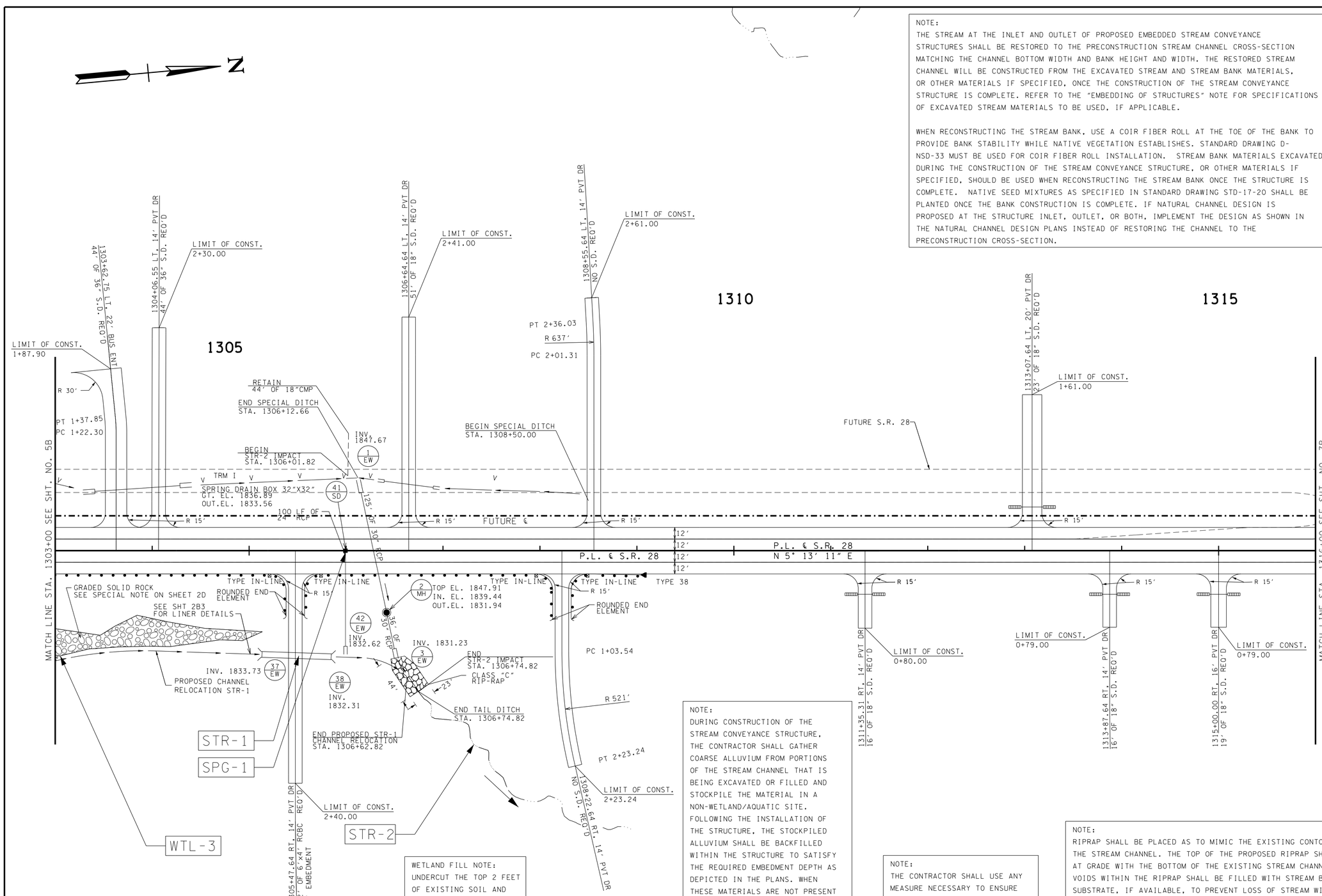
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NOTE:
THE STREAM AT THE INLET AND OUTLET OF PROPOSED EMBEDDED STREAM CONVEYANCE STRUCTURES SHALL BE RESTORED TO THE PRECONSTRUCTION STREAM CHANNEL CROSS-SECTION MATCHING THE CHANNEL BOTTOM WIDTH AND BANK HEIGHT AND WIDTH. THE RESTORED STREAM CHANNEL 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.

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

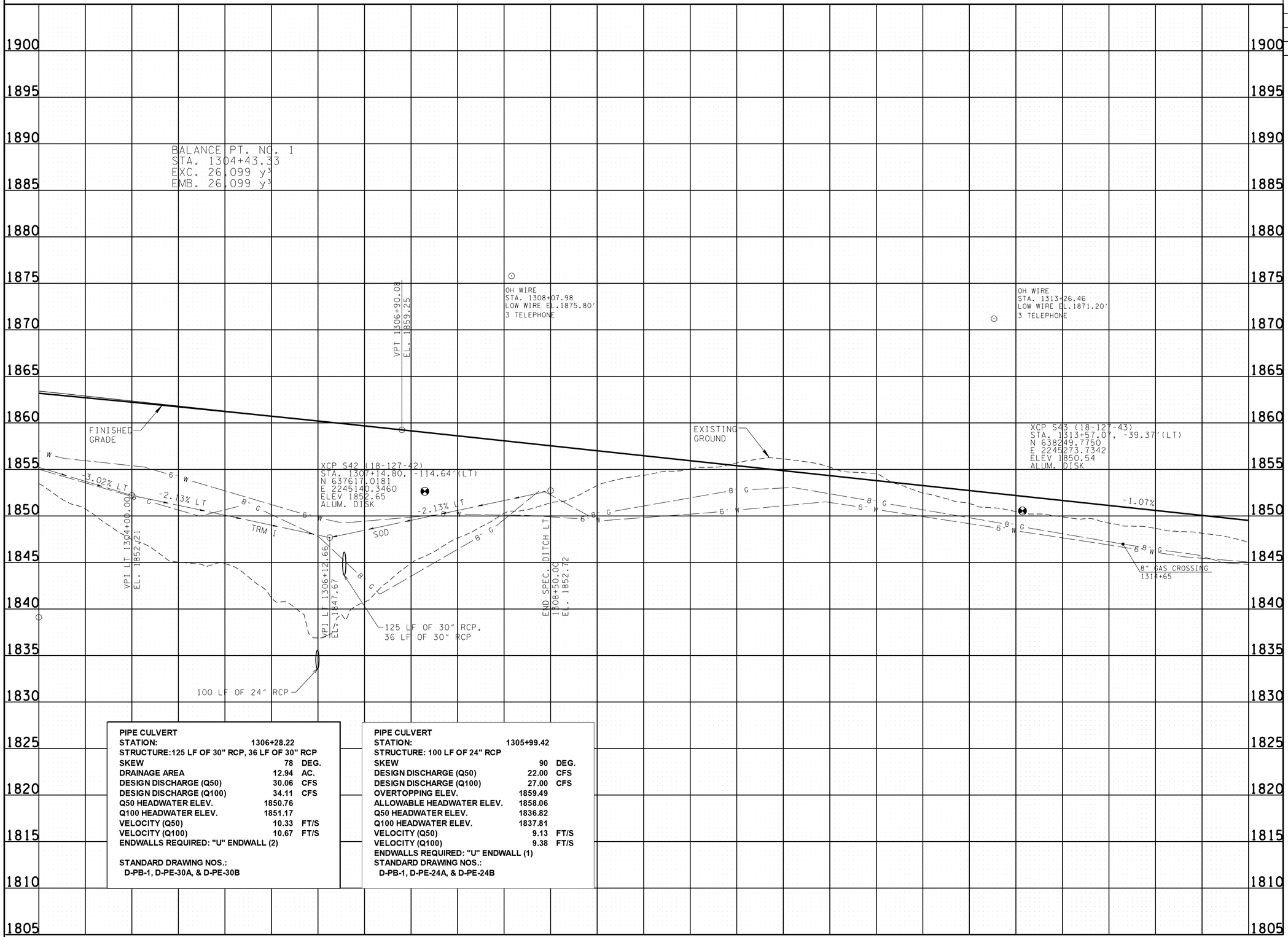
PROPOSED LAYOUT

STA. 1303+00 TO STA. 1316+00

SCALE: 1"= 50'

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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



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

PS&E FIELD REVIEW

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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.

1/30/2026
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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.

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 1316+00 TO STA. 1329+00

SCALE: 1"= 50'

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	POND-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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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

PS&E FIELD REVIEW

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

RIGHT-OF-WAY DETAILS

STA. 1316+00 TO STA. 1329+00

SCALE: 1"= 50'

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

1/30/2026
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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 POND-3 OR POND-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.

N

LIMIT OF CONST. 211+00.00

BEGIN SPECIAL DITCH STA. 211+00.00

END SPECIAL DITCH STA. 211+75.00

N 89° 10' 17" E

SOD

GRADED SOLID ROCK SEE SPECIAL NOTES ON SHEET 2D

BEGIN SPECIAL DITCH STA. 213+00.00

2 LANES AT 9' WITH 2' SHOULDERS

INV. 1838.91

15 EW

16 EW INV. 1837.38

10'

6'

13'

POND

PND-3

CLASS "C" RIP-RAP APRON

31' OF 24" RCP

END SPECIAL DITCH STA. 215+42.10

P.I. 6 BYERS STA. 215+47.21

S 15° 46' 49" E

1318+63.16 LT. 18" PVT DR 23' OF 18" S.D. REQ'D

LIMIT OF CONST. 1+66.00

PT 1+75.61

PC 1+53.67

R 100'

PT 0+92.37

R 100'

PC 0+64.74

215

R 50'

R 50'

P.I. 6 BYERS STA. 215+46.49

S 8° 46' 49" E

P.I. 6 BYERS STA. NO. 6B

MATCH LINE STA. 1316+00 SEE SHT. NO. 8B

P.I. ℄ S.R. 28 STA. 1316+55.11

N 5° 13' 11" E

TYPE 38

FUTURE ℄

R 15'

12'

PC 0+61.48

R 300'

PT 0+99.78

1316+51.53 RT. 14' PVT DR 21' OF 18" S.D. REQ'D

BEGIN SPECIAL DITCH STA. 1317+50.00

4' T

SOD

PC 0+76.39

R 80'

PT 1+29.93

END SPECIAL DITCH STA. 1319+50.00

1318+46.32 RT. 14' PVT DR 25' OF 18" S.D. REQ'D

LIMIT OF CONST. 1+75.00

LIMIT OF CONST. 0+87.15

1319+59.27 RT. 14' PVT DR 24' OF 18" S.D. REQ'D

LIMIT OF CONST. 1+35.00

1320

POND

PND-4

BEGIN SPECIAL DITCH STA. 1322+50.00

BEGIN PVMT. TRANS. STA. 1321+90.00 OFF. 12.00' LT

PC 0+45.50

R 300'

PT 0+75.40

BEGIN PVMT. TRANS. STA. 1321+90.00 OFF. 12.00' RT

1321+67.03 RT. 14' PVT DR NO S.D. REQ'D

LIMIT OF CONST. 1+32.58

PC 0+71.80

R 300'

PT 1+06.95

1322+93.75 RT. 14' PVT DR 33' OF 18" S.D. REQ'D

LIMIT OF CONST. 1+40.00

1324+18.27 LT. 14' PVT DR NO S.D. REQ'D

UNNAMED TRIBUTARY

LIMIT OF CONST. 2+27.80

1325

ROUNDED END ELEMENT

FUTURE S.R. 28

END PVMT. TRANS. STA. 1325+50.00 OFF. 18.00' RT

TYPE IN-LINE

CLASS "C" RIP-RAP APRON

14'

4 EW INV. 1822.22

6'

12'

PC 1+52.05

R 300'

PT 1+74.43

LIMIT OF CONST. 1+87.87

1325+25.52 RT. 14' PVT DR 71' OF 18" S.D. REQ'D

1325+54.82 RT. 14' PVT DR 71' OF 18" S.D. REQ'D

LIMIT OF CONST. 2+00.00

232+20.00 RT, 14' PVT DR 25' OF 18"x11" S.D. REQ'D

1326+89.56 LT. 14' PVT DR 18' OF 18" S.D. REQ'D

LIMIT OF CONST. 1+35.00

LIMIT OF CONST. 1+04.00

P.I. 0+91.68

END PVMT. TRANS. STA. 1327+90.00 OFF. 18.00' LT

PT 0+72.04

R 250'

R 15'

PC 0+23.28

18'

P.I. ℄ S.R. 28 N 12° 58' 58" W

12'

MATCH LINE STA. 1329+00 SEE SHT. NO. 8B

R 20'

V

SOD

PC 0+90.53

R 300'

PT 1+19.11

5 EW INV. 1828.85

BEGIN SPECIAL DITCH STA. 1326+50.00

END SPECIAL DITCH STA. 1325+79.32

BEGIN INLET DITCH STA. 1325+90.59

LIMIT OF CONST. 2+35.00

1328+30.00 RT. 24" PVT DR 28' OF 18" S.D. REQ'D

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

SEE SHEET #17 FOR SIDE ROAD PROFILE

PS&E FIELD REVIEW

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. 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)	7C
PIH	2026	STP/NH/HPP-28(32)	7C
PS&E	2026	STP/NH/HPP-28(32)	7C

OH WIRE
STA. 1316+47.65
LOW WIRE EL.1875.80'
2 POWER
1 CABLE

STA. 1315+55.00 S.R. 28 =
STA. 215+67.10 BYERS LN.
ELEV. 1848.93

OH WIRE
STA. 1318+57.97
LOW WIRE EL.1865.50'
1 TELEPHONE

OH WIRE
STA. 1320+61.14
LOW WIRE EL.1858.50'
4 POWER
1 TELEPHONE
1 CABLE

VPC 1322+77.99
EL. 1842.26

VPI 1328+77.99
EL. 1835.85

1" GAS CROSSING
1316+83

8" W
6" W
8" G
6" G

-1.53% RT SOD

BEGIN SPEC. DITCH RT
STA. 1314+50.00
EL. 1843.88

END SPEC. DITCH RT
STA. 1319+50.00
EL. 1840.82

6" WATER CROSSING
1321+19

EXISTING GROUND

XCP S44 (18-127-44)
STA. 1324+19.98, 107.59'(RT)
N 639325.6888
E 2245402.9511
ELEV 1831.56
ALUM. DISK

-1.54% RT SOD

BEGIN SPEC. DITCH RT
STA. 1322+50.00
EL. 1833.93

FINISHED GRADE

142 LF OF 24" RCP

END SPEC. DITCH RT
STA. 1325+79.32
EL. 1828.85

-1.07%

BEGIN SPEC. DITCH RT
STA. 1326+50.00
EL. 1831.54

-1.78% RT SOD

VC = 1200.00'
K = 408

265 FT TRANS.
SE = 0.078
265 FT TRANS.

STA 1317+07.50
SE = N.C.
STA 1319+72.50
SE = 0.078
STA 1321+62.56
SE = 0.078
STA 1324+27.56
SE = N.C.

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

1885 1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825 1820 1815 1810 1805 1800 1795 1790

1316+00 1317+00 1318+00 1319+00 1320+00 1321+00 1322+00 1323+00 1324+00 1325+00 1326+00 1327+00 1328+00 1329+00

PS&E FIELD REVIEW

SEALED BY

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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.

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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

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 1329+00 TO STA. 1342+00

SCALE: 1"= 50'

LEGEND	WETLAND IMPACTS	WTL-3a	POND-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.

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

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

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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'

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.

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

PS&E FIELD REVIEW

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 1329+00 TO STA. 1342+00

SCALE: 1"= 50'

LEGEND

TEMPORARY CONSTRUCTION EASEMENT

PERMANENT DRAINAGE EASEMENT

NOTE: SLOPE LINES SHOWN TO REPRESENT THE ULTIMATE SECTION

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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.

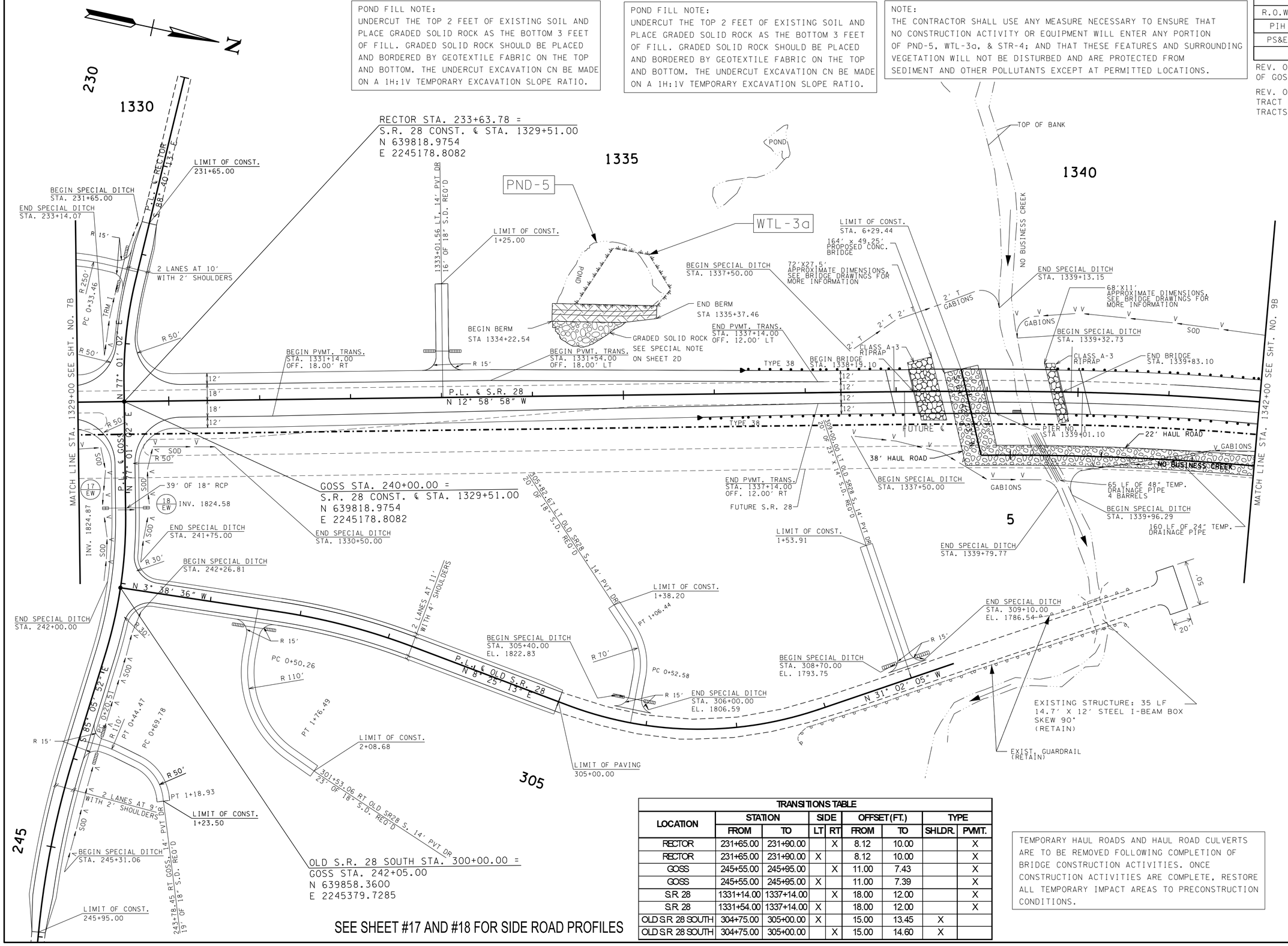
POND FILL NOTE:
UNDERCUT THE TOP 2 FEET OF EXISTING SOIL AND PLACE GRADED SOLID ROCK AS THE BOTTOM 3 FEET OF FILL. GRADED SOLID ROCK SHOULD BE PLACED AND BORDERED BY GEOTEXTILE FABRIC ON THE TOP AND BOTTOM. THE UNDERCUT EXCAVATION CN BE MADE ON A 1H:1V TEMPORARY EXCAVATION SLOPE RATIO.

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.

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.



SEE SHEET #17 AND #18 FOR SIDE ROAD PROFILES

TRANSITIONS TABLE

LOCATION	STATION		SIDE		OFFSET (FT.)		TYPE	
	FROM	TO	LT	RT	FROM	TO	SHLDR.	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.

PS&E FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED 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)	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.

OH WIRE
STA. 1329+40.19
LOW WIRE EL.1851.30'
2 POWER
1 TELEPHONE

OH WIRE
STA. 1329+15.17
LOW WIRE EL.1846.30'
2 POWER

XCP S45 (18-127-45)
STA. 1329+47.99, 137.31'(RT)
N 639846.8912
E 2245313.2869
ELEV 1839.19
ALUM. DISK

STA. 1329+51.00 S.R. 28 =
STA. 233+63.98 RECTOR RD.
ELEV. 1829.52

2" GAS CROSSING
1329+40

6" WATER CROSSING
1329+13

EXISTING GROUND

XCP S46 (18-127-46)
STA. 1332+91.89, 260.67'(RT)
N 640209.7127
E 2245356.2320
ELEV 1827.08
ALUM. DISK

XCP S103 (18-127-103)
STA. 1330+22.96, -408.53'(LT)
N 639787.3162
E 2244764.5593
ELEV 1805.35
ALUM. DISK

XCP S47 (18-127-47)
STA. 1336+64.93, 389.46'(RT)
N 640602.1519
E 2245391.9258
ELEV 1798.54
ALUM. DISK

STA. 1329+51.00 S.R. 28 =
STA. 240+00.00 GOSS RD.
ELEV 1829.52

END SPEC. DITCH RT
STA. 1329+30.64
EL. 1826.54

BEGIN SPEC. DITCH RT
STA. 1329+78.7
EL. 1824.27

END SPEC. DITCH RT
STA. 1330+50.00
EL. 1823.09

VC = 1200.00'
K = 408

VPT 1334+77.99
EL. 1811.30

VPC 1334+85.93
EL. 1811.48

STA 1337+20.50
SE = N.C.

385 FT TRANS.

SE = 0.065

STA 1341+05.50
SE = 0.065

BEGIN SPEC. DITCH RT
STA. 1337+50.00
EL. 1798.69

VPI RT 1338+00.00
EL. 1795.88

BEGIN BRIDGE 1338+19.10
EL. 1800.94 (ID# 18SR02800015)

VPI RT 1338+50.00
EL. 1792.49

FINISHED GRADE

END BRIDGE 1339+83.10
EL. 1797.81 (ID # 18SR2800015)

VPI LT 1340+00.00
EL. 1787.25

VC = 1445.00'
K = 197

VPI RT 1341+00.00
EL. 1786.41

VPI RT 1341+50.00
EL. 1788.89

BEGIN SPEC. DITCH LT
STA. 1337+50.00
EL. 1798.52

VPI LT 1338+50.00
EL. 1777.11

VPI RT 1339+00.00
EL. 1776.65

VPI RT 1339+50.00
EL. 1769.64

VPI LT 1340+00.00
EL. 1769.71

VPI RT 1340+50.00
EL. 1779.40

END SPEC. DITCH LT
STA. 1339+13.15
EL. 1766.59

BEGIN SPEC. DITCH LT
STA. 1339+32.73
EL. 1766.48

BEGIN SPEC. DITCH RT
STA. 1339+96.29
EL. 1765.00

END SPEC. DITCH RT
STA. 1339+79.77
EL. 1765.51

-1.78% RT
-4.01%
-1.64% RT
SOD
-5.62% RT
-6.76% RT
-2.14% LT
-3.68% RT
-30.87% LT
-14.02% RT
GABIONS
-15.66% LT
-19.38% RT
-26.95% RT
-13.87% RT
-0.50% LT
-4.96% RT
-0.50% RT

1329+00 1330+00 1331+00 1332+00 1333+00 1334+00 1335+00 1336+00 1337+00 1338+00 1339+00 1340+00 1341+00 1342+00

1850 1845 1840 1835 1830 1825 1820 1815 1810 1805 1800 1795 1790 1785 1780 1775 1770 1765 1760 1755

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PS&E FIELD REVIEW

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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.

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.

NOTE:
SEE SHEET 9A FOR CONTROL POINTS TABLE

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

PS&E FIELD REVIEW

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 1342+00 TO STA. 1355+00

SCALE: 1"= 50'

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

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

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

1/30/2026
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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.

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'

PS&E FIELD REVIEW

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

RIGHT-OF-WAY DETAILS

STA. 1342+00 TO STA. 1355+00

SCALE: 1"= 50'

LEGEND

TEMPORARY CONSTRUCTION EASEMENT

NOTE:
SLOPE LINES SHOWN TO REPRESENT THE ULTIMATE SECTION

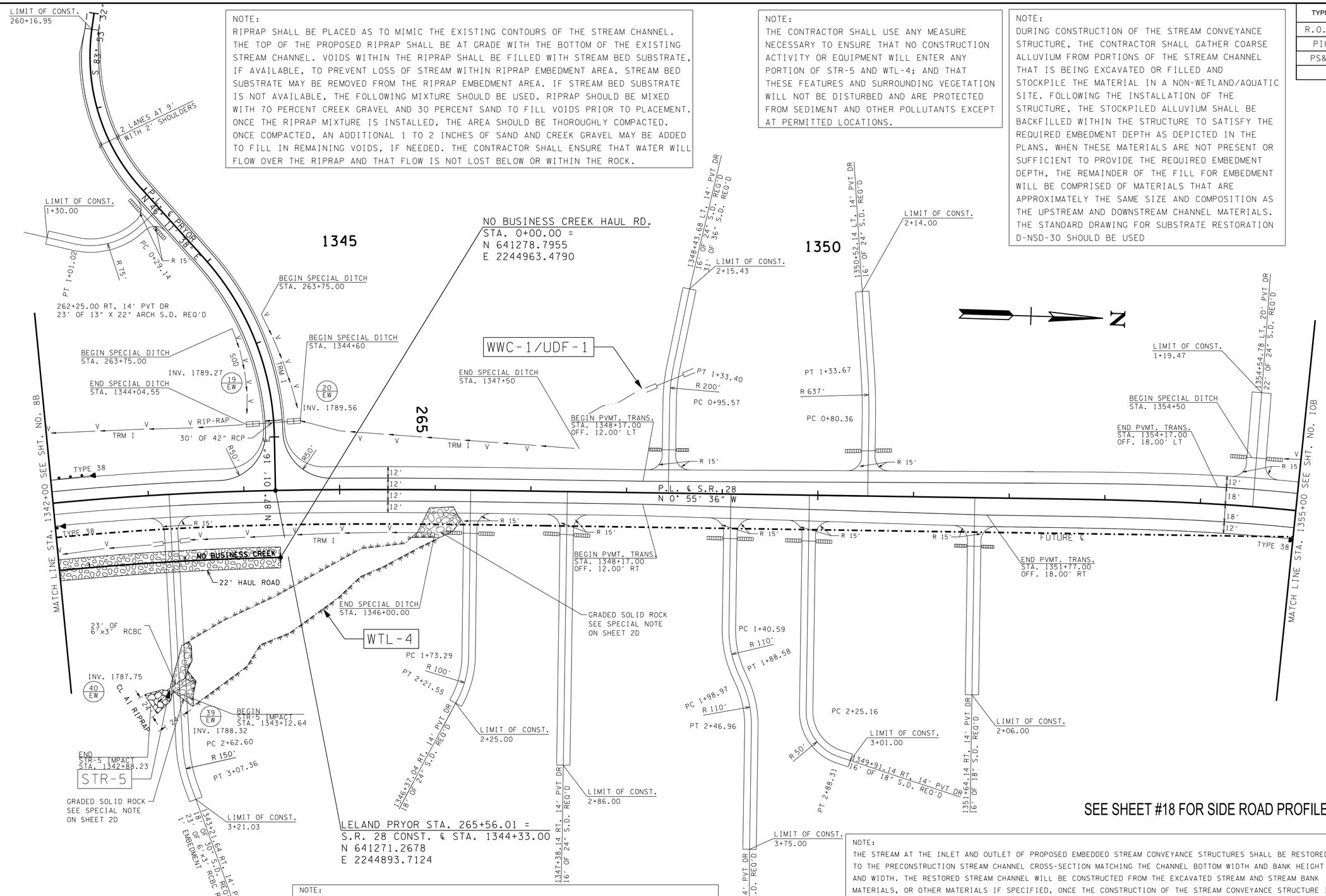
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	9B
PIH	2026	STP/NH/HPP-28(32)	9B
PS&E	2026	STP/NH/HPP-28(32)	9B

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.

PS&E FIELD REVIEW

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

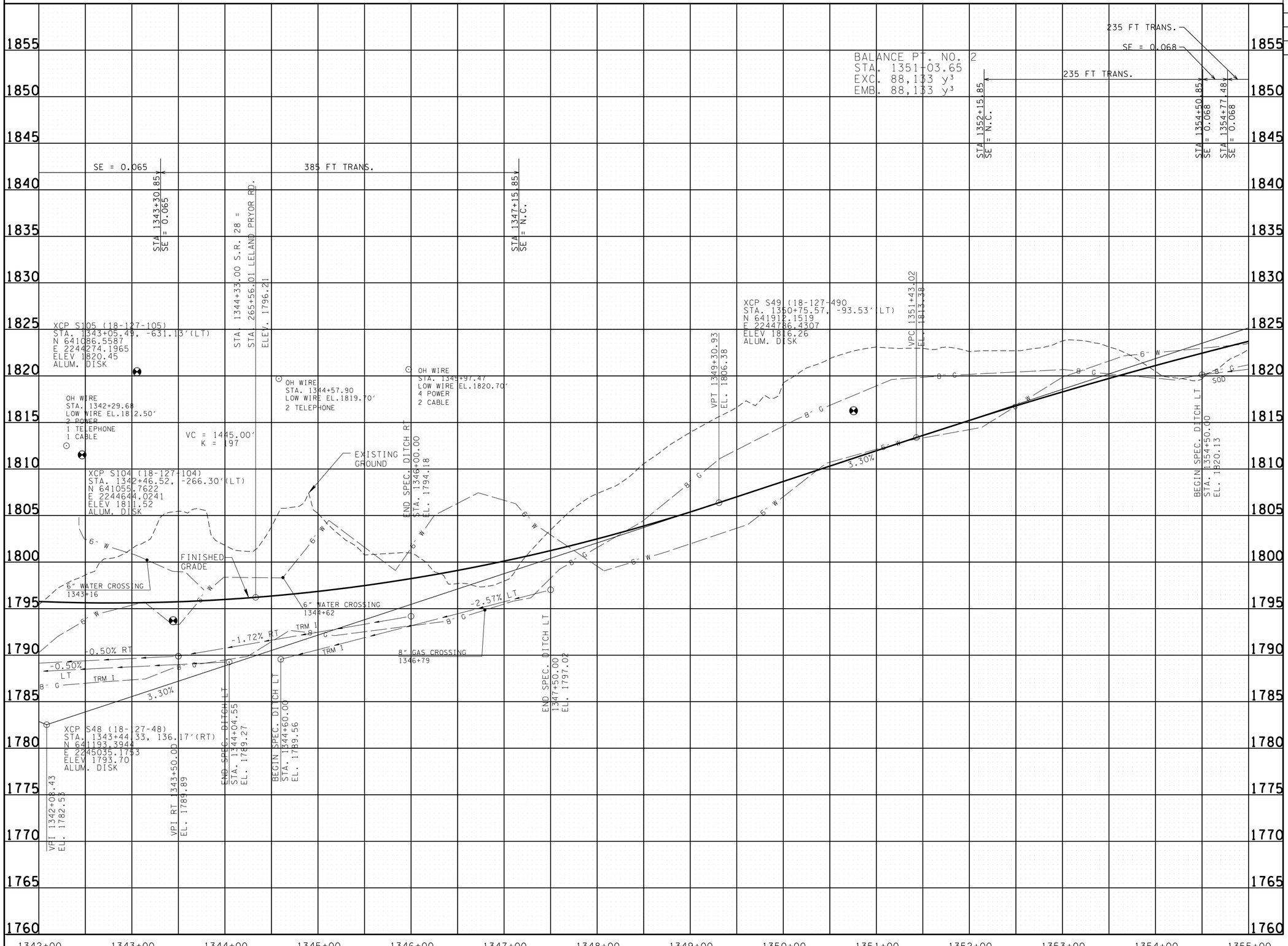
PROPOSED LAYOUT

STA. 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)	9C
PIH	2026	STP/NH/HPP-28(32)	9C
PS&E	2026	STP/NH/HPP-28(32)	9C



PS&E
FIELD
REVIEW

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.

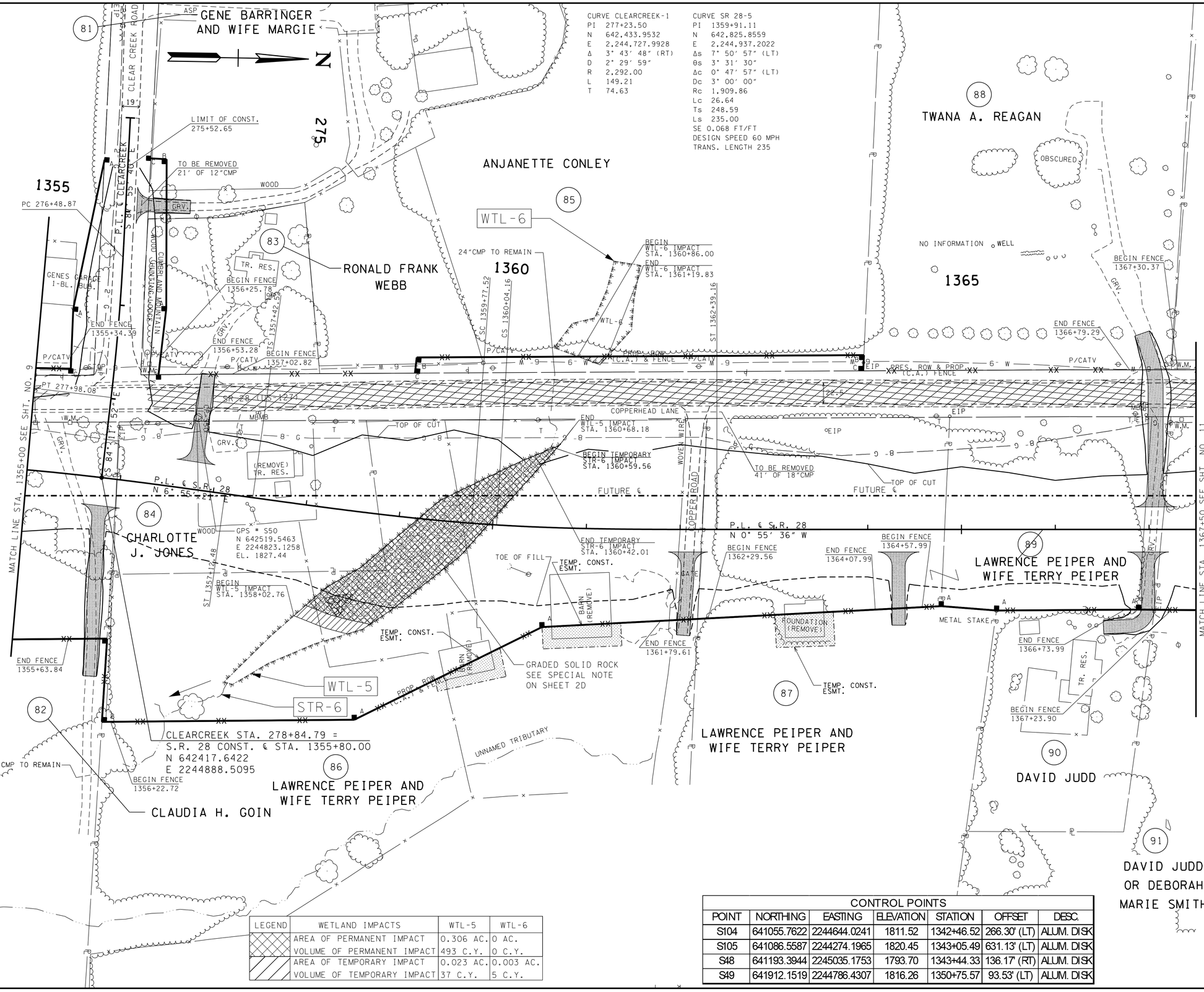
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA.1342+00 TO STA.1355+00

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

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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

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

PS&E FIELD REVIEW

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

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

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 1355+00 TO STA. 1367+50

SCALE: 1"= 50'

81 GENE BARRINGER AND WIFE MARGIE

88 TWANA A. REAGAN

85 ANJANETTE CONLEY

83 RONALD FRANK WEBB

84 CHARLOTTE J. JONES

82 CLAUDIA H. GOIN

86 LAWRENCE PEIPER AND WIFE TERRY PEIPER

87 LAWRENCE PEIPER AND WIFE TERRY PEIPER

89 LAWRENCE PEIPER AND WIFE TERRY PEIPER

90 DAVID JUDD

91 DAVID JUDD OR DEBORAH MARIE SMITH

1355 1360 1365

275

P.L. & CLEARCREEK S 8° 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'

N88°36'3"W 63.59'

N0°03' 05"E 402.22'

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 1355+34.39

1355+35.43 111.83'

END FENCE 1356+53.28

1356+53.80 120.38'

BEGIN FENCE 1357+02.82

R=9800.20' L=51.68'

1355+10.17 102.00'

R=9800.20' L=18.75'

1356+61.11 70.93'

NO1°13'16"W 143.39'

TOE OF FILL

1355+59.71 107.39'

278+25.25

R=9850.20' L=78.59'

1355+14.61 52.21'

R=9850.20' L=71.50'

1355+91.18 60.98'

NO1°13'16"W 192.21'

1358+52.50 97.62'

S 84° 11' 52" E

P.L. & S.R. 28 N 6° 55' 21" E

1355+96.10

1355+97.53 17.32'

L1 L2

1357+61.04

S 1° 42' 22" W 1358+92.71 58.95'

GPS = S50
N 642519.5463
E 2244823.1258
EL. 1827.44

1356+02.69 101.22'

S 1° 42' 22" E 293.45'

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

S 84° 39' 37" E 16.88'

1359+00.00 170.48'

N 1° 13' 16" W 476.89'

N 1° 13' 16" W 101.49'

PROP. ROW (C.A.) & FENCE

1357+95.72 140.56'

1359+00.00 153.60'

NO1°13'16"W 427.97'

1363+95.99 185.79'

N88°19'39"W 16.79'

N88°19'39"W 501.29'

EIP

NO1°13'16"W 220.50'

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

TOP OF CUT

1363+95.23 169.02'

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'

R=16191.75' L=108.13'

R=16241.75' L=20.40'

R=16241.75' L=87.43'

EIP

R6 R7

NO1°13'16"W 128.08'

1364+87.48 119.50'

1366+15.56 120.15'

1367+02.99 120.11'

1367+23.39 120.16'

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

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

FUTURE ℄

1362+24.95 36.00'

1364+83.70 36.00'

P.L. & S.R. 28 N 0° 55' 36" W

1362+23.25

1364+82.08

BEGIN FENCE 1364+57.99

END FENCE 1364+07.99

BEGIN FENCE 1362+29.56

TOE OF FILL

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'

S 86° 04' 17" W 36.18'

1363+65.12 123.89'

N 2° 45' 12" W 62.56'

TEMP. CONST. ESMT.

N 86° 04' 17" E 34.89'

1363+02.59 125.89'

N 86° 04' 17" E 24.37'

1364+78.38 81.73'

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'

1366+88.77 85.42'

N83°02'07"W 236.91'

N83°02'26"W 237.88'

N 0° 47' 17" W 168.31'

1361+39.28 124.37'

S3° 08' 02" E 84.05'

1360+58.59 129.50'

S86°04'17"W 23.21'

1360+56.62 106.38'

1360+15.00 130.61'

N27°11'21"W 50.10'

N3°55'43"W 82.23'

TEMP. CONST. ESMT.

N27°11'21"W 76.94'

1359+53.35 169.52'

N27°11'21"W 96.11'

S16°55'23"E 74.62'

S76°55'23"W 12.47'

1359+56.73 181.44'

1360+22.67 160.73'

1358+77.63 220.70'

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

BEGIN FENCE 1356+22.72

N87°21'19"W 156.30'

S 87° 21' 19" W 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'

1356+07.07 169.63'

N88°13'06"W 213.75'

1362+28.83 118.17'

N88°13'06"W 422.19'

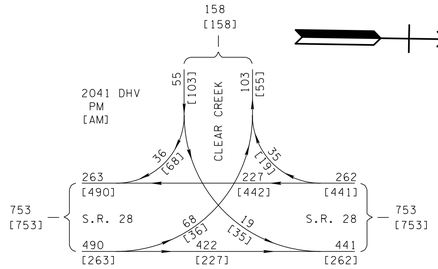
N88°20'10"W 201.43'

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

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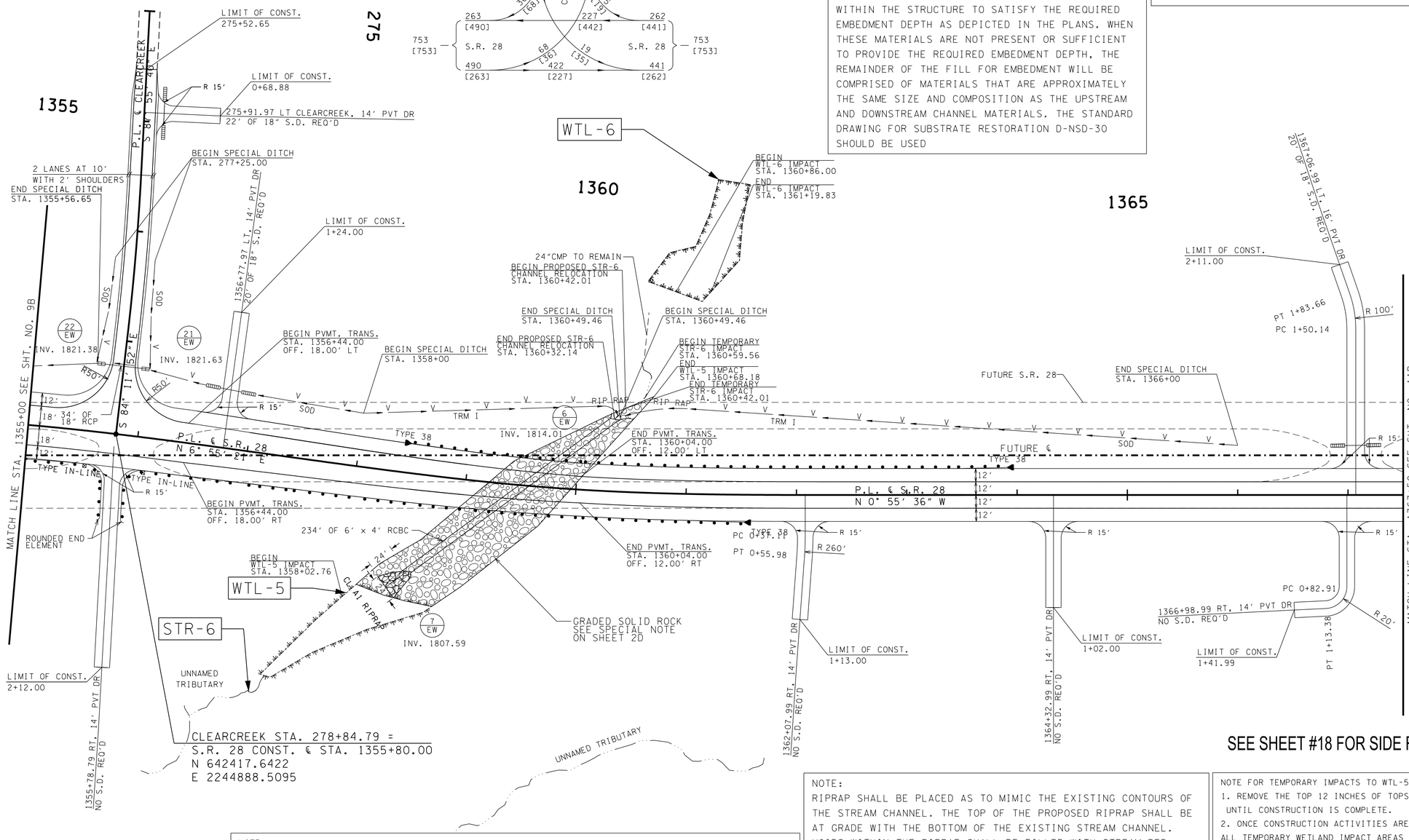
TRANSITIONS TABLE								
LOCATION	STATION		SIDE		OFFSET (FT.)		TYPE	
	FROM	TO	LT	RT	FROM	TO	SHLDR.	PVMT.
CLEARCREEK	275+77.65	275+52.65		X	10.00	9.49		X
CLEARCREEK	275+77.65	275+52.65	X		10.00	9.49		X
S.R. 28	1356+44.00	1360+04.00	X		18.00	12.00		X
S.R. 28	1356+44.00	1360+04.00		X	18.00	12.00		X



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.

PS&E
FIELD
REVIEW

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'

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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.

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

235 FT TRANS.

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

6" W
8" G
-2.15% LT
SOD
-0.54% LT
-1.17% LT
-4.36% LT
TRM I
RIP RAP
-3.31% LT
-4.67% LT
-3.00% LT

VPI LT 1355+96.65
EL. 1821.38

VPI LT 1356+02.70
EL. 1821.63

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

234 LF OF 6'X4' RCBC

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

VPI LT 1362+00.00
EL. 1820.00

VPI LT 1363+00.00
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

PS&E FIELD REVIEW

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. 1355+00 TO STA.1367+50

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

1/30/2026
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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.

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

LEGEND

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

CURVE SR 28-6
PI 1374+15.03
N 644,250.1368
E 2,244,914.1673
Δs 14° 05′ 21″ (LT)
θs 3° 48′ 08″
Δc 6° 29′ 05″ (LT)
Dc 1° 58′ 31″
Rc 2,900.79
Lc 328.31
Ts 551.20
Ls 385.00
SE 0.065 FT/FT
DESIGN SPEED 70 MPH
TRANS. LENGTH 385

CURVE CONLEY-1
PI 291+57.71
N 644,400.4159
E 2,244,988.3441
Δ 12° 11′ 44″ (RT)
D 8° 00′ 08″
R 716.00
L 152.40
T 76.49

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

92 PALMA STOUT
97 JOSHUA CASTLEN
STR-7
96 PALMA STOUT
93 MURRELL THOMAS BRADY
91 DAVID JUDD OR DEBORAH MARIE SMITH
94 JAMES C. HOWARD AND WIFE EMMA J.
95 GROVER ATKINSON AND WIFE WANDA
99 JAMES HOWE AND WIFE LILLIAN B.

1370 1375 1380

LAKE
PASTURE
BARB WIRE
P/CATV
PRES. ROW & PROP. (C.A.) FENCE
PRESENT ROW
FUTURE ℄
P.L. ℄ S.R. 28 N 0° 55′ 36″ W
P.L. ℄ S.R. 28 N 15° 00′ 56″ W
SR 28 (US-127)
CONLEY ROAD
N 79° 24′ 06″ E
HOLLOW DRIVE
OLD S.R. 28
RIGHT CURVE
TOP OF CUT
MM25
W.M.
W.V.
MB
EIP
CP-S52
GRV.
1-FR. RES. (REMOVE)
(REMOVE) GAR.
1-FR. RES. (REMOVE)
(REMOVE) SHED
(REMOVE) SHEDS
SHED
GONE
1-S-BUSS
TRAILER
GRAVEL
POND
1.5-S-FR RES.
TRAIL
BELLY RUBS AND BASSETS
LARGE BARN

MATCH LINE STA. 1367+50 SEE SHT. NO. 10
MATCH LINE STA. 1380+50 SEE SHT. NO. 12

TS 1368+63.84
SC 1372+78.84
CS 1375+77.14
ST 1379+62.14

TO BE REMOVED 21′ OF 12"RCP
TO BE REMOVED 21′ OF 15"RCP
TO BE REMOVED 41′ OF 20"RCP
TO BE REMOVED 37′ OF 20"RCP
TO BE REMOVED 36′ OF 12"CMP
TO BE REMOVED 27′ OF 12"CMP
TO BE REMOVED 71′ OF 12"CMP

END FENCE 1371+38.29
BEGIN FENCE 1371+90.67
GATE
BEGIN FENCE 1368+37.99
END FENCE 1368+80.09
END FENCE 1367+87.99 TOE OF FILL
BEGIN FENCE 1369+29.92
PROP. ROW (C.A.) & FENCE
PC 290+81.22
END FENCE 1374+98.42
PT 292+33.62
BEGIN FENCE 1375+83.61
END FENCE 1379+75.92
BEGIN FENCE 1380+27.51

LIMIT OF CONST. 292+50.00
RETAIN 24′ OF 8"PLASTIC

1/30/2026
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SEALED BY

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PS&E FIELD REVIEW

PRESENT LAYOUT

STA. 1367+50 TO STA. 1380+50

SCALE: 1"= 50'

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.

N

92
PALMA STOUT

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

N86°49'51"W
456.81'

97
JOSHUA CASTLEN

1370

1375

1380

PALMA STOUT
96

1378+97.61
228.04'

R=1863.48'
L=278.14'

1367+67.44
170.37'

END FENCE
1371+38.29

1371+35.05
169.70'

BEGIN FENCE
1371+90.67

1373+31.41
193.46'

N83°04'26"E
25.00'

1373+31.66
168.48'

R=1888.48'
L=186.19'

R=1863.48'
L=537.68'

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

N01°16'37"W
362.00'

R=1963.48'
L=565.49'

MATCH LINE STA. 1367+50 SEE SHT. NO. 10A

N01°16'37"W
138.71'

1367+67.75
120.37'

EIP

N01°16'37"W
223.29'

PRESENT ROW

R=1938.48'
L=191.12'

1369+06.56
121.21'

1371+33.67
119.72'

1373+32.18
118.47'

N83°04'26"E
25.00'

1373+32.43
93.47'

N06°18'11"W
94.33'

EIP

1374+29.87
91.76'

N03°13'15"W
135.61'

1375+68.65
76.51'

TOP OF CUT

R=1963.48'
L=201.22'

1376+56.69
104.07'

S01°43'52"E
187.33'

1378+61.17
122.12'

1379+56.33
36.00'

1380+16.71
20.40'

N00°31'36"W
116.64'

MATCH LINE STA. 1380+50 SEE SHT. NO. 12A

FUTURE ℄

P.I. ℄ S.R. 28
N 0° 55' 36" W

1369+02.60
36.00'

1374+19.02
36.03'

1375+64.52
36.03'

L1

L5

1375+92.51
74.81'

N01°24'24"W
399.27'

1378+42.99
64.93'

1377+83.97
36.03'

P.I. ℄ S.R. 28
N 15° 00' 56" W

1379+36.78

1379+85.28
11.74'

N00°20'54"W
17.10'

1380+01.83
16.07'

1368+96.79
87.34'

1369+00.90

BEGIN FENCE
1368+37.99

N 0° 24' 0" W
191.09'

END FENCE
1368+80.09

93
MURRELL THOMAS BRADY

TOP OF CUT

1374+12.13

1375+58.07

L2

1375+85.10
36.03'

1375+78.39

1375+52.90
29.57'

291+03.91

N 79° 24' 06" E
1101.56'

BEGIN FENCE
1369+29.92

N 0° 24' 0" W
277.62'

PROP. ROW (C.A.) & FENCE

A

S 13° 46' 59" E
163.25'

1375+72.38
33.08'

L6

1375+85.55
112.45'

S 18° 35' 24" E
220.80'

1378+00.00
91.13'

1379+62.15
94.00'

S 10° 36' 48" E
16.50'

END FENCE
1379+75.92

1379+78.60
95.27'

BEGIN FENCE
1380+27.51

1380+01.83
16.07'

S 10° 36' 48" E
220.07'

END FENCE
1367+87.99

TOE OF FILL

1368+96.58
91.80'

1368+80.10
91.81'

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'

L3

L4

L7

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.I. ℄ CONLEY
S 88° 24' 10" E
1101.56'

PRESENT ROW

S 88° 11' 47" E 1147.07'

S 88° 11' 47" E 1147.07'

PRESENT ROW

DAVID JUDD
OR DEBORAH
MARIE SMITH
91

JAMES C. HOWARD
AND WIFE EMMA J.
94

GROVER ATKINSON
AND WIFE WANDA
95

99
JAMES HOWE
AND WIFE
LILLIAN B.

NOTE:
SLOPE LINES SHOWN TO REPRESENT THE ULTIMATE SECTION

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 1367+50 TO STA. 1380+50

SCALE: 1"= 50'

1/30/2026
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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.

N

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

LAKE

1370

1375

1380

STR-7

MATCH LINE STA. 1367+50 SEE SHT. NO. 10B

MATCH LINE STA. 1380+50 SEE SHT. NO. 12B

FUTURE ℄

P.L. ℄ S.R. 28
N 0° 55' 36" W

P.L. ℄ S.R. 28
N 15° 00' 56" W

P.L. ℄ CONLEY
S 68° 24' 10" E

N 79° 24' 30" E

BEGIN SPECIAL DITCH
STA. 1370+00

FUTURE S.R. 28

SOD

R 15'

R 100'

PC 0+87.15
PT 0+96.58

LIMIT OF CONST.
1+15.00

1368+12.99 RT. 14' PVT DR
NO S.D. REQ'D

R 100'

PT 1+50.99
PC 1+40.71

LIMIT OF CONST.
1+51.00

1369+06.02 RT. 14' PVT DR
16' OF 18" S.D. REQ'D

1371+64.45 LT. 14' PVT DR
16' OF 24" S.D. REQ'D

LIMIT OF CONST.
1+80.00

INV. 1823.98
27 EW

R 50'

BEGIN SPECIAL DITCH
STA. 1375+00.00

BEGIN SPECIAL DITCH
STA. 291+75.00

291+95.18 RT CONLEY, 14' PVT DR
28' OF 18" S.D. REQ'D

LIMIT OF CONST.
0+75.42

37' OF 18" RCP

2 LANES AT 9'
WITH 2' SHOULDERS

291+75.16 LT CONLEY, 14' PVT DR
28' OF 18" S.D. REQ'D

LIMIT OF CONST.
0+74.43

LIMIT OF CONST.
292+50.00

END SPECIAL DITCH
STA. 292+50.00

INV. 1823.70
28 EW

END SPECIAL DITCH
STA. 1376+00.00

END SPECIAL DITCH
STA. 1378+50

12'

PC 0+29.44
PT 0+49.69

R 60'

LIMIT OF CONST.
1+24.00

1380+21.85 RT. 14' PVT DR
17' OF 18" S.D. REQ'D

POND

SEE SHEET #18 FOR SIDE ROAD PROFILE

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

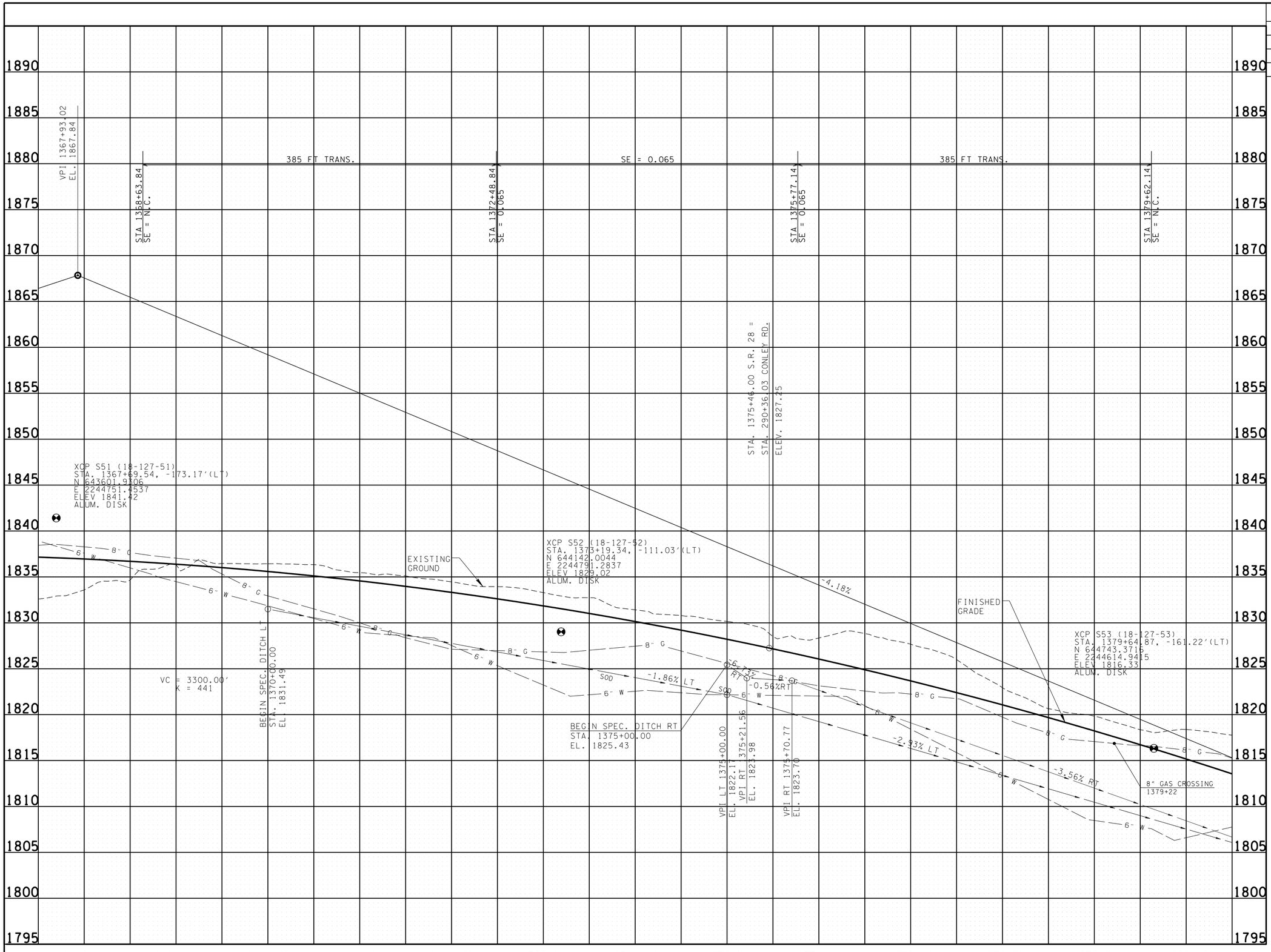
PROPOSED LAYOUT

STA. 1367+50 TO STA. 1380+50

SCALE: 1"= 50'

1/30/2026
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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



PS&E FIELD REVIEW

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.1367+50 TO STA.1380+50

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

1/30/2026
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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.

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

LEGEND

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

PS&E FIELD REVIEW

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

PRESENT LAYOUT

STA. 1380+50 TO STA. 1393+00

SCALE: 1"= 50'

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)

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)

LICKFORK CREEK HAUL RD. SOUTH
STA. 2+00.00 =
N 646012.2050
E 2244434.1460

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	PND-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
PI 330+99.05
N 645,106.4855
E 2,244,787.0119
Δ 57° 31′ 04″ (LT)
D 52° 05′ 13″
R 110.00
L 110.43
T 60.37

CURVE OLD SR28 EAST-2
PI 332+83.44
N 645,292.2101
E 2,244,845.4516
Δ 6° 48′ 24″ (LT)
D 9° 57′ 52″
R 575.00
L 68.31
T 34.20

CURVE OLD SR28 WEST
PI 322+50.39
N 645,011.1913
E 2,244,431.7572
Δ 70° 16′ 45″ (RT)
D 32° 00′ 32″
R 179.00
L 219.56
T 125.99

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

NOTE:
SEE SHEET 12A FOR CONTROL POINTS TABLE

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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.

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

P.L. & OLD SR 28 WEST — S 34° 44' 11" E
P.L. & OLD SR 28 EAST — N 17° 28' 00" E
P.L. & S.R. 28 — N 15° 00' 56" W
N 74° 59' 04" E
N 74° 58' 04" E
PRESENT ROW
FUTURE ℄
PROP. ROW (C.A.) & FENCE
TEMP. CONST. ESMT.
LIMIT OF CONST. 320+15.08 — N 35° 00' 39" W 173.15'
LIMIT OF CONST. 331+80.00
BEGIN FENCE 1381+71.66
END FENCE 1381+23.21
BEGIN FENCE 1385+75.02
END FENCE 1384+05.29
TOP OF CUT
FN. POST
EIP
MATCH LINE STA. 1380+50 SEE SHT. NO. 11A
MATCH LINE STA. 1393+00 SEE SHT. NO. 13A

LICKFORK CREEK HAUL RD. SOUTH
STA. 2+00.00 =
N 646012.2050
E 2244434.1460

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

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

PS&E FIELD REVIEW

SEALED BY

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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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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.

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.

N

LIMIT OF CONST. 320+15.08

322+89.93 RT. 14' PVT DR 35' OF 18" S.D. REQ'D

2 LANES AT 11' WITH 4' SHOULDERS

P.I. ℄ OLD SR 28 WEST S 34° 44' 11" E

320+87.78 LT. 14' PVT DR 25' OF 24" S.D. REQ'D

LIMIT OF CONST. 2+15.00

BEGIN SPECIAL DITCH STA. 321+50.00

PT 2+04.34

R 115'

PC 0+59.21

R25'

R15'

LIMIT OF CONST. 1+83.25

1385

BEGIN PROPOSED STR-7 CHANNEL RELOCATION STA. 1381+41.21

BEGIN SPECIAL DITCH STA. 321+50.00

LICKFORK CREEK HAUL RD. SOUTH
STA. 2+00.00 =
N 646012.2050
E 2244434.1460

1390

GRADED SOLID ROCK SEE SPECIAL NOTE ON SHEET 2D

FUTURE S.R. 28

END SPECIAL DITCH STA. 1390+61.60

BEGIN SPECIAL DITCH STA. 1391+50.00

22' HAUL ROAD

78' EXIST RCBC (RETAIN)

SEE SHT 2B3 FOR LINER & SIDE SLOPE DETAILS

4' T RIP-RAP

V RIP-RAP

GRADED SOLID ROCK SEE SPECIAL NOTE ON SHEET 2D

N 74° 59' 04" E

R 50'

4' T

TRM I

V

70' OF 8' x 4' RCBC 1' EMBEDMENT

INV. 1800.68 (29 EW)

INV. 1769.98 (9 EW)

12'

P.L. ℄ S.R. 28 N 15° 00' 56" W

FUTURE ℄

MATCH LINE STA. 1380+50 SEE SHT. NO. 11B

MATCH LINE STA. 1393+00 SEE SHT. NO. 13B

R 40'

INV. 1800.33 (30 EW)

150' OF 42" RCP

10 EW

TYPE 38

INV. 1768.56

SOD

SEE SHT 2B3 FOR LINER & SIDE SLOPE DETAILS

BEGIN SPECIAL DITCH STA. 330+75.00

WTL-7

END SPECIAL DITCH STA. 1392+15.65

BEGIN SPECIAL DITCH STA. 1392+15.65

6' T RIP-RAP

WTL-8

24 EW

INV. 1799.09

END PROPOSED STR-7 CHANNEL RELOCATION STA. 1384+61.65

23 EW

INV. 1799.38

2 LANES AT 9' WITH 2' SHOULDERS

P.I. ℄ OLD SR 28 EAST N 14° 28' 00" E

LIMIT OF CONST. 331+80.00

56' OF 8' x 4' RCBC 1' EMBEDMENT

N 10° 39' 36" E

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

30' EXIST 18" HDPE (RETAIN)

21' EXIST 24" CMP (RETAIN)

STR-7

POND

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

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED 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)	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

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

70 LF OF 8'x4' RCBC

6" W

8" G

-1.36% LT

-4.48% RT

-3.65% LT

-4.55% RT

-2.90% RT

-4.18%

-2.65% RT

-4.71% LT

-5.64% LT

-2.59% RT

-4.16%

TRM I

FINISHED GRADE

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

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

VPI LT 1381+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

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

VPI RT 1391+00.00
EL. 1771.55

SOD

-1.28% RT

150 LF OF 42" RCP

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

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

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

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PS&E FIELD REVIEW

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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.

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

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 1393+00 TO STA. 1406+00

SCALE: 1"= 50'

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)

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

CARL S. BRADY AND WIFE JOANNA (110)

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

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.

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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

PS&E FIELD REVIEW

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

RIGHT-OF-WAY DETAILS

STA. 1393+00 TO STA. 1406+00

SCALE: 1"= 50'

LEGEND

TEMPORARY CONSTRUCTION EASEMENT

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

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

CARL S. BRADY AND WIFE JOANNA (111)

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

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, NORTH

LICKFORK CREEK, SOUTH

P.I. & S.R. 28

FUTURE ℄

TOP OF CUT

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

PROP. ROW & FENCE (C.A.)

PRESENT ROW

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

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

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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

N

1395 15 1400 20 5 1405

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

22' HAUL ROAD
BEGIN SPECIAL DITCH STA. 1396+82.10
BEGIN STR-8 IMPACT STA. 1396+82.10
TOP OF BANK
END SPECIAL DITCH STA. 1396+25.63
PIER NO.1 STA. 1396+18.00±
GABIONS
OLD S.R. 28 WEST
R 10'
50'
20'
PT 3+12.91
R 50'
PC 2+89.52
LIMIT OF CONST. 17+15.49
FUTURE S.R. 28
LICKFORK CREEK, NORTH
124' LF OF 48" TEMP. DRAINAGE PIPE 4 BARRELS
84'X27' APPROXIMATE DIMENSIONS. SEE BRIDGE DRAWINGS FOR MORE INFORMATION
LICKFORK CREEK, SOUTH
38' HAUL ROAD
80'x79.5' CRANE PAD
CLASS A-3 RIPRAP
TRM I
TYPE 38
P.L. & S.R. 28
FUTURE ℄
12'
R 15'
BEGIN SPECIAL DITCH STA. 1394+50
BEGIN BRIDGE STA. 1394+75.00
END BRIDGE STA. 1398+75.00
MATCH LINE STA. 1393+00 SEE SHT. NO. 12B
MATCH LINE STA. 1406+00 SEE SHT. NO. 14B
LIMIT OF CONST. 7+47.00
55'x72' CRANE PAD
124' LF OF 48" TEMP. DRAINAGE PIPE 4 BARRELS
END SPECIAL DITCH STA. 1394+00.00
SOD
BEGIN SPECIAL DITCH STA. 1395+52.10
END STR-8 IMPACT STA. 1395+52.10
LIMIT OF CONST. STA. 26+51.95
67.5' X 7' APPROXIMATE DIMENSIONS. SEE BRIDGE DRAWINGS FOR MORE INFORMATION
PIER NO.2 STA. 1397+67.50±
400' x 49.25' PROPOSED CONC. BRIDGE
PND-7
R 15'
PC 0+57.02
R 110'
PT 1+01.17
TIE TO EXISTING STA. 1393+29.57
WTL-8
STR-8
WTL-8
38'
20'
R 10'
R 10'
O.S.R. 28 EAST
38'
20'
R 10'
R 10'
O.S.R. 28 EAST
LICKFORK CREEK HAUL RD. NORTH
STA. 10+00.00 =
N 646468.9045
E 2244609.8386
LIMIT OF CONST. 3+62.00
1405+10.89 RT. 14' PVT DR 16' OF 24' S.D. REQ'D

PS&E FIELD REVIEW

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'

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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

VC = 1700.00'
K = 205

END SPEC. DITCH RT
STA. 1394+00.00
EL. 1770.92

BEGIN SPEC. DITCH LT
STA. 1394+80.00
EL. 1773.21

BEGIN BRIDGE 1394+75.00
EL. 1776.04
ID #185R0280020

FINISHED GRADE

VPI LT 1398+50.00
EL. 1766.57

END BRIDGE 1398+75.00
EL. 1780.00 (ID#185R0280020)

VPI LT 1399+00.00
EL. 1776.47

VPI RT 1398+00.00
EL. 1747.24

VPI RT 1399+00.00
EL. 1771.90

VPI 1394+11.49
EL. 1758.39

VPI RT 1397+50.00
EL. 1735.61

VPI RT 1398+50.00
EL. 1762.41

VPI RT 1397+00.00
EL. 1723.44

VPI LT 1397+50.00
EL. 1726.38

VPI LT 1398+00.00
EL. 1742.94

VPI RT 1396+00.00
EL. 1712.33

VPI RT 1396+50.00
EL. 1719.14

VPI RT 1404+00.00
EL. 1793.20

VPT 1402+61.49
EL. 1793.19

VPC 1402+78.98
EL. 1793.90

VPI LT 1405+50.00
EL. 1801.17

MATCHLINE A-A

EXISTING GROUND

-1.28% RT
SOD

4.09%

-3.80% LT
TRM 1

-4.26% RT

6" W

W-9

3A 44% LT

-19.80% LT
GABIONS

-18.98% RT
GABIONS

-47.26% LT

-30.34% RT

-23.26% RT

-24.34% RT

43.92% LT
GABIONS

-16.60% RT
GABIONS

12.44% LT

-5.62%

124 LF OF 48" TEMP. DRAINAGE PIPE 4 BARRELS

41' X 48" CMP

10.1% RT

BEGIN SPEC. DITCH RT
STA. 1395+52.10
EL. 1707.46

END SPEC. DITCH LT
STA. 1396+25.63
EL. 1712.27

BEGIN SPEC. DITCH LT
STA. 1396+82.10
EL. 1712.53

SE = 0.065

-2.55% LT

-3.65% RT

385 FT TRANS.

STA. 1405+76.67
SE = 0.065

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

1705 1710 1715 1720 1725 1730 1735 1740 1745 1750 1755 1760 1765 1770 1775 1780 1785 1790 1795 1800 1805 1810 1815 1820 1825

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA.1393+00 TO STA.1406+00

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

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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

PS&E FIELD REVIEW

SEALED BY

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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

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 1406+00 TO STA. 1419+00

SCALE: 1"= 50'

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

114
JOHN F. WEAVER AND WIFE CYNTHIA

115
STANLEY H. BALDWIN AND WIFE TRACY L.

116
JASON S. SHARP, PERSONAL REPRESENTATIVE OF ANGIE DENISE SHARP'S WILL

117
JACQUELINE M. TRUDELLE, UNMARRIED, AND PAUL NEWTON, UNMARRIED, AS TENANTS IN COMMON WITH RIGHTS OF SURVIVORSHIP

1410

1415

119
EVA L. MATTHEWS

121
COURTNEY GRACE ALLRED

COU

113
RAY ENGLAND AND WIFE JOYCE

120
DONALD L. BRADY AND WIFE DONNA K

MATCH LINE STA. 1406+00 SEE SHT. NO. 13B

MATCH LINE STA. 1419+00 SEE

FUTURE ℄

P.L. ℄ S.R. 28
N 31° 29' 26" E

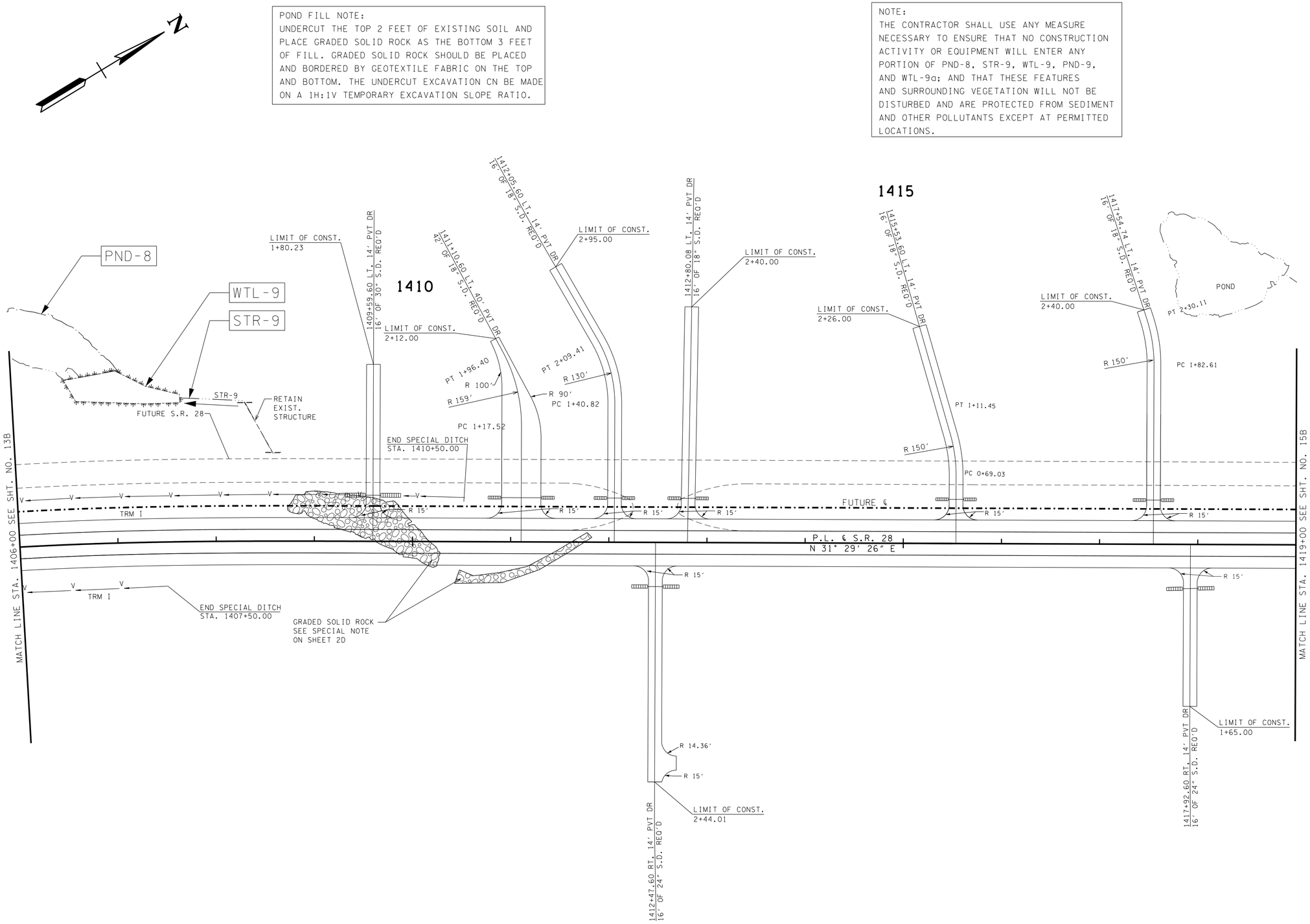
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POND FILL NOTE:
UNDERCUT THE TOP 2 FEET OF EXISTING SOIL AND PLACE GRADED SOLID ROCK AS THE BOTTOM 3 FEET OF FILL. GRADED SOLID ROCK SHOULD BE PLACED AND BORDERED BY GEOTEXTILE FABRIC ON THE TOP AND BOTTOM. THE UNDERCUT EXCAVATION CN BE MADE ON A 1H:1V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



PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED 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)	14C
PIH	2026	STP/NH/HPP-28(32)	14C
PS&E	2026	STP/NH/HPP-28(32)	14C

OH WIRE
STA. 1408+37.11
LOW WIRE EL.1848.17'
2 POWER
1 TELEPHONE

VPI 1411+53.98
EL. 1829.72

EXISTING GROUND

6" W
8" G
1" G

-0.50%

1" GAS CROSSING
1412+56

FINISHED GRADE

4.09%

-2.55% LT
TRM I

-3.65% RT
TRM I

END SPEC. DITCH RT
STA. 1407+50.00
EL. 1805.97

385 FT TRANS.

STA 1409+61.67
SE = N.C.

END SPEC. DITCH LT
STA. 1410+50.00
EL. 1813.92

VC = 1750.00'
K = 381

1865 1860 1855 1850 1845 1840 1835 1830 1825 1820 1815 1810 1805 1800 1795 1790 1785 1780 1775 1770

1406+00 1407+00 1408+00 1409+00 1410+00 1411+00 1412+00 1413+00 1414+00 1415+00 1416+00 1417+00 1418+00 1419+00

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PS&E
FIELD
REVIEW

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.

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

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

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

ENRIQUE J. MENDEZ AND WIFE JOSEFINA GONZALEZ AND FRANCISCO A. CHAVES

124

1-S-FR. BARN

1-S-FR. BARN

1.5-S-FR. BARN

CONCRETE PAD

GRV.

WWC-3

STR-11

121 COURTNEY GRACE ALLRED 1420

WETLAND

STR-11

TO BE REMOVED 21' OF 18"CMP

BEGIN FENCE 1422+83.01

END FENCE 1422+30.68

WWC-3 PROP. ROW (C.A.) & FENCE

SPG-2

SHED

1-S-FR. RES.

1425

END FENCE 1425+58.03

125 GARY DOUGLAS RICHARDSON AND WIFE, AMIE LEAH RICHARDSON

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

UNNAMED TRIBUTARY WET-11

END WTL-11 IMPACT STA. 1428+57.20

END FENCE 1429+28.60

POND

127 BENNIE A. BROWN AND WIFE GINGER L. BROWN

1430

BEGIN FENCE 1429+78.60

WTL-11

TO BE REMOVED 20' OF 18"CMP

TIE TO EXIST. (C.A.) FENCE 1430+24.49

SPG-2

6" W STR-10

58' OF RCBC 4'x4' RCBC (RETAIN)

W.M.

6" W

126 RINNIE VOLUNTEER FIRE DEPT. % PASSMAN SLAVIUS

SR 28 (US-127)

STR-10

22.5

TOP OF CUT

MM26

CP-S60

SIGN CUMBERLAND COUNTY FIRE STATION RINNIE STA.

1-S-BR. FIRE HALL (REMOVE)

BEGIN STR-11 IMPACT STA. 1421+09.39

BEGIN WTL-10 IMPACT STA. 1421+01.00

(REMOVE) 1-S-LOG. BUSS.

FUTURE ℄

(REMOVE) 1-S-BLK. SHED.

(REMOVE) WTL-10

P.I. ℄ S.R. 28
N 31° 29' 26" E

CONCRETE (REMOVE) 1-S-BR. GARAGE

S 58° 30' 34" E

GRV.

HOLLOW LANE

WTL-12

END WTL-10 IMPACT STA. 1421+96.28

TOE OF FILL

TO BE REMOVED WOODEN FOOT BRIDGE

TOP OF CUT

PC 310+87.25

GRADED SOLID ROCK SEE SPECIAL NOTE ON SHEET 2D

24"CYPRESS

END STR-11 IMPACT STA. 1422+29.40

END STR-12 IMPACT STA. 1424+44.26

1-S-S-FR. RES. (REMOVE)

WOOD

BEGIN FENCE 1428+54.82

PROP. ROW (C.A.) & FENCE

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

END FENCE 1422+83.16

BEGIN FENCE 1423+60.62

STR-12

20"& 24"CYPRESS

120 DONALD L. BRADY AND WIFE DONNA K.BRADY

123 LYNN CAREY

SHED

END FENCE 1425+98.84

LIMIT OF CONST. 313+45.74

RETAIN 28' OF 12"CMP

PI 312+05.30

128 GARRY MCNABB, ET. AL.

LOGS

MB

HOLLOW LANE

RETAIN 30' OF 12"CMP

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

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

MATCH LINE STA. 1419+00 SEE SHT. NO. 14

MATCH LINE STA. 1431+50 SEE SHT. NO. 16

NOTE:
IMPACTS TO WTL-12 TO BE AUTHORIZED BY THE WATER QUALITY PERMITS FOR PIN 100260.04.

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.

LEGEND

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

PS&E FIELD REVIEW

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

PRESENT LAYOUT

STA. 1419+00 TO STA. 1431+50

SCALE: 1"= 50'

1/30/2026
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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

PS&E FIELD REVIEW

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

RIGHT-OF-WAY DETAILS

STA. 1419+00 TO STA. 1431+50

SCALE: 1"= 50'

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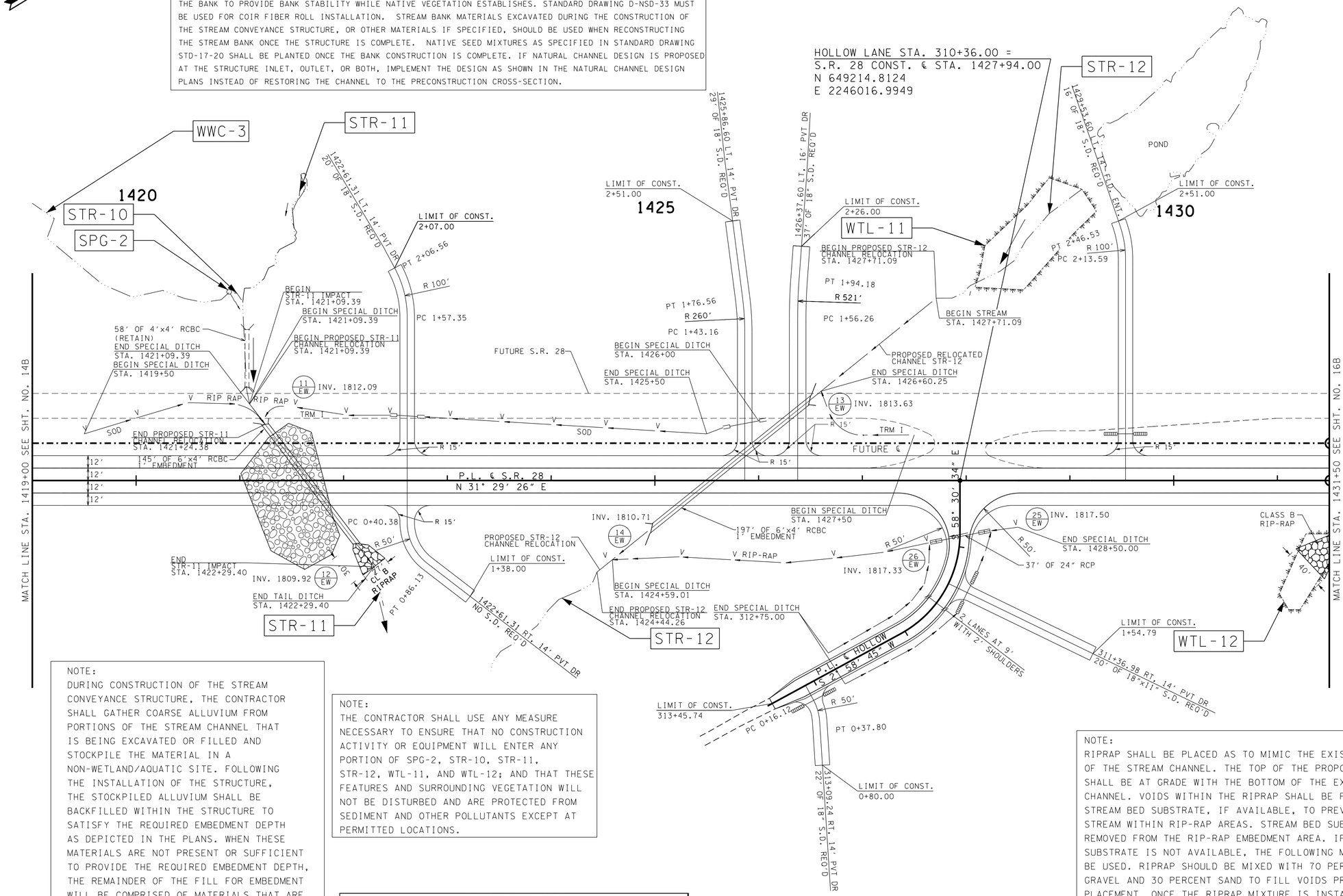
NOTE:
THE STREAM AT THE INLET AND OUTLET OF PROPOSED EMBEDDED STREAM CONVEYANCE STRUCTURES SHALL BE RESTORED TO THE PRECONSTRUCTION STREAM CHANNEL CROSS-SECTION MATCHING THE CHANNEL BOTTOM WIDTH AND BANK HEIGHT AND WIDTH. THE RESTORED STREAM CHANNEL WILL BE CONSTRUCTED FROM THE EXCAVATED STREAM AND STREAM 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.

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

SEE SHEET #19 FOR SIDE ROAD PROFILE

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:
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 SPG-2, STR-10, STR-11, STR-12, WTL-11, AND WTL-12; AND THAT THESE FEATURES 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.
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:
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.

PS&E FIELD REVIEW

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

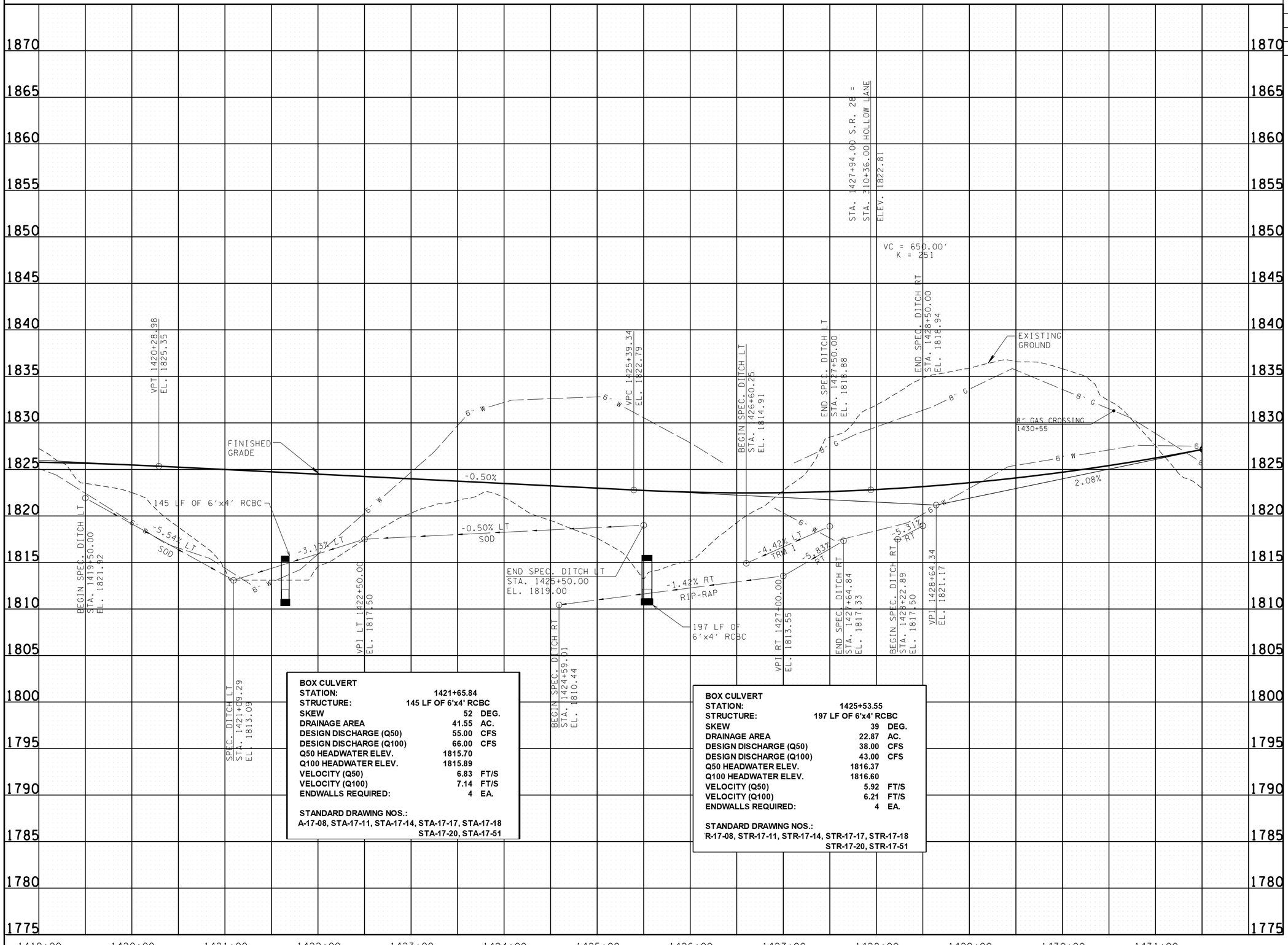
PROPOSED LAYOUT

STA. 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



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

PS&E
FIELD
REVIEW

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.1419+00 TO STA.1431+50

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

1/30/2026
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PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-2227-14 (R.O.W.)
STA. 431+58.63
N 649538.2364
E 2246172.8982

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-3229-14 (CONST.)
STA. 432+00.00
N 649573.5140
E 2246194.5083

TRANS-1
PI 802+85.12
N 649,797.8426
E 2,246,374.1437
Δs 12° 08′ 58″ (LT)
θs 5° 18′ 00″
Δc 1° 32′ 58″ (LT)
Dc 4° 00′ 00″
Rc 1,432.39
Lc 38.74
Ts 285.12
Ls 265.00
SE 0.078 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 265

TRANS-2
PI 808+51.28
N 650,333.4712
E 2,246,562.1484
Δs 11° 56′ 14″ (RT)
θs 5° 18′ 00″
Δc 1° 20′ 14″ (RT)
Dc 4° 00′ 00″
Rc 1,432.39
Lc 33.43
Ts 282.43
Ls 265.00
SE 0.078 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 265

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.

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

129
BENNIE A. BROWN,
AND WIFE,
MARGIE BROWN

800
805
810
1435
1440
500

TS 800+00.00
CS 803+03.74
ST 805+68.74
SC 808+33.85
CS 808+67.28
ST 811+32.28
ELMORE RD.
TRAIL
POND
TO BE REMOVED
21′ OF 15"CMP
TO BE REMOVED
41′ OF 24" RCP
TO BE REMOVED
51′ OF 18"CMP
TO BE REMOVED
23′ OF 18"CMP
TO BE REMOVED
41′ OF 15"CMP
FUTURE S.R. 28
6" W
PRES. ROW & PROP.
(C.A.) FENCE (BY OTHERS)
TOP OF CUT
22.5′
EIP
ASP.
61 W
WOOD
P.L. & NB TRANSITION
N 19° 20′ 28" E
FUTURE ℄
P.L. ℄ S.R. 28
N 31° 29′ 26" E
PC 500+81.08
TOP OF CUT
TOE OF FILL
WTL-12
CATOOSA RIDGE DRIVE
S 11° 29′ 08" E
OOOM
P (UG)
00°59′28" SS
END FENCE
1431+51.23
SOLID GRADED ROCK
SEE SPECIAL NOTE
ON SHEET 2D
LIMIT OF CONST.
501+55.00
BRND ROW
(BY OTHERS)
6" W
TS 805+68.85
PROP. ROW (C.A.)
& FENCE (BY OTHERS)
MATCH LINE STA. 1431+50 SEE SHT. NO. 15

130
ODES L. COOK
AND
JANELLE M. COOK

CURVE CATOOSA-1
PI 501+84.24
N 649,657.7383
E 2,246,495.4623
Δ 3° 05′ 39" (LT)
D 1° 30′ 00"
R 3,819.72
L 206.29
T 103.17

PROP. ROW
(BY OTHERS)
PT 502+87.36
S 14° 35′ 47" E

134
MILLARD V. OAKLEY

N.B. TRANSITION STA. 800+00.00 =
S.R. 28 CONST. ℄ STA. 1431+92.60
N: 649554.7127
E: 2246225.2088

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

NOTE:
SLOPE LINES SHOWN TO REPRESENT TWO LANE DESIGN

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

NOTE:
WTL-12 ON 100260.03
IS WTL-1 ON 100260.04

NOTE:
IMPACTS TO WTL-12 TO BE AUTHORIZED BY THE WATER QUALITY PERMITS FOR PIN 100260.04.

PS&E
FIELD
REVIEW

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

PRESENT
LAYOUT

STA. 1431+50 TO STA. 1443+15

SCALE: 1"= 50'

1/30/2026
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PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-2227-14 (R.O.W.)
STA. 431+58.63
N 649538.2364
E 2246172.8982

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-3229-14 (CONST.)
STA. 432+00.00
N 649573.5140
E 2246194.5083

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.

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

1440

END FENCE
1431+51.23

TOP OF CUT
FUTURE S.R. 28

S 31° 31' 48" W
428.36'

1434+49.85
169.66'

S 30° 51' 5" W
89.81'

1435+39.65
170.66'

S 58° 23' 22" E
21.60'

S 60° 49' 51" E
348.55'

1439+04.87
147.95'

N 57° 58' 19" W
454.75'

1432+08.41
91.20'

1433+59.70
65.86'

N57°37'46"W
50.41'

1433+34.47
90.60'

EIP

S 31° 45' 41" W
126.06'

R=25.00'
L=39.25'

1434+09.37
65.52'

R=25.00'
L=39.23'

N 31° 57' 30" E
141.32'

EIP

N 31° 14' 6" E
210.30'

1435+39.61
149.06'

N 31° 39' 54" E
293.48'

CP-S61

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

N 31° 39' 54" E
71.79'

S 32° 1' 27" W
267.45'

1439+92.61
145.46'

N 31° 2' 56" E
31.28'

N 31° 2' 56" E
111.47'

N 31° 2' 56" E
124.21'

1437+86.24
90.01'

1439+05.66

S 31° 14' 6" W
210.30'

S 31° 39' 31" W
199.59'

N 30° 45' 0" E
200.00'

1439+92.61
92.95'

1439+92.61
90.36'

1439+92.61
90.95'

N 58° 24' 56" W
210.45'

FUTURE ℄
1439+92.61
36.00'

1435+75.95
89.07'

N57°58'45"W
29.52'

P.L. & NB TRANSITION
N 19° 20' 28" E

1433+59.24
36.00'

S44°50'50"E
107.38'

1431+94.99
36.00'

N57°58'45"W
19.82'

1435+76.04
36.00'

1437+86.23
36.00'

P.L. ℄ S.R. 28
N 31° 29' 26" E

BY OTHERS

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

S 34° 02' 05" E
78.80'

1431+83.05
13.14'

TOE OF
FILL

1431+51.23
83.04'

END FENCE
1431+51.23

1433+58.93
15.46'

PRESENT R.O.W.

1434+08.92
16.19'

R=575.00'
L=180.43'

S 71° 29' 08" E

R=625.00'
L=96.60'

1437+86.21
120.37'

S 31° 17' 42" W
209.91'

N 31° 15' 10" E
209.98'

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

1435+76.31
121.08'

1434+35.23
161.56'

S 15° 08' 51" W
146.77'

LIMIT OF CONST.
501+55.00

1433+87.45
177.08'

PRESENT/PROPOSED R.O.W.

N 75° 55' 0" W
235.17'

S 74° 34' 47" E
234.09'

N 72° 6' 59" W
296.17'

BRIDGE BY OTHERS

PROP. ROW
(BY OTHERS)

N 58° 14' 11" W
1969.55'

N.B. TRANSITION STA. 800+00.00 =
S.R. 28 CONST. ℄ STA. 1431+92.60
N: 649554.7127
E: 2246225.2088

130
ODES L. COOK
AND
JANELLE M. COOK

134
MILLARD V. OAKLEY

1435+05.58
385.96'

S 74° 20' 14" E
25.50'

1435+12.53
410.49'

1435+32.33
419.35'

N 26° 45' 37" E
114.13'

R=22.92'
L=22.59'

1436+45.98
408.94'

1434+57.40
400.48'

N 18° 10' 17" E
355.16'

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

NOTE:
SLOPE LINES SHOWN TO REPRESENT THE ULTIMATE SECTION

PS&E
FIELD
REVIEW

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

RIGHT-OF-WAY
DETAILS

STA. 1431+50 TO STA. 1443+15

SCALE: 1"= 50'

1/30/2026
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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

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-2227-14 (R.O.W.)
STA. 431+58.63
N 649538.2364
E 2246172.8982

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-3229-14 (CONST.)
STA. 432+00.00
N 649573.5140
E 2246194.5083

TRANSITIONS TABLE								
LOCATION	STATION		SIDE		OFFSET (FT.)		TYPE	
	FROM	TO	LT	RT	FROM	TO	SHLDR.	PVMT.
NB TRANSITION	808+00.00	811+32.28	X		24.00	13.65	X	
NB TRANSITION	810+12.28	811+32.28	X		12.00	10.05		X
NB TRANSITION	809+92.00	811+32.28		X	24.00	15.24	X	
NB TRANSITION	810+12.28	811+32.28		X	12.00	10.71		X

N.B. TRANSITION STA. 801+87.69 =
CATOOSA STA. 500+00.00
N 649716.2439
E 2246320.7545

1435

1440

FUTURE S.R. 28

WTL-12

BEGIN SPECIAL DITCH
STA. 800+50.68

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

1434+32.60 LT. 14" PVT DR
16" OF 18" S.D. REQ'D

POND

LIMIT OF CONST.
1+30.00

END SPECIAL DITCH
STA. 802+50.00

BEGIN SPECIAL DITCH
STA. 806+00.00

END SPECIAL DITCH
STA. 807+50.00

BEGIN SHOULDER TRANS.
STA. 808+00.00
OFF. 24.00' LT

BEGIN PVMT. TRANS.
STA. 810+12.28
OFF. 12.00' LT

2 LANES AT 10.5'

END SHOULDER TRANS.
STA. 811+32.28
OFF. 13.65' LT

END PVMT. TRANS.
STA. 811+32.28
OFF. 10.05' LT

LIMIT OF CONST.
811+32.28

END PVMT. TRANS.
STA. 811+32.28
OFF. 10.71' RT

END SHOULDER TRANS.
STA. 811+32.28
OFF. 15.24' RT

END SPECIAL DITCH
STA. 811+32.28

SOD

12' 12' 12' 12'

500

P.L. & NB TRANSITION
N 19° 20' 28" E

BEGIN SHOULDER TRANS.
STA. 809+92.00
OFF. 24.00' RT

BEGIN SPECIAL DITCH
STA. 809+50.00

BEGIN PVMT. TRANS.
STA. 810+12.28
OFF. 12.00' RT

FUTURE &

P.L. & S.R. 28
N 31° 29' 26" E

31
EW
INV. 1821.45

100' OF
36" RCP

32
EW
INV. 1820.20

36'

CLASS B
RIP-RAP

63'

40'

S 71° 28' 08" E

50' OF
18" RCP

CATOOSA RIDGE DR

OLD LOOKOUT RD

FUTURE SR-28 (BY OTHERS)

LIMIT OF CONST.
501+55.00

S 74° 34' 47" E

N.B. TRANSITION STA. 800+00.00 =
S.R. 28 CONST. & STA. 1431+92.60
N: 649554.7127
E: 2246225.2088

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

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

NOTE:
WTL-12 ON 100260.03
IS WTL-1 ON 100260.04

SEE SHEET #19 FOR SIDE ROAD PROFILE

PS&E
FIELD
REVIEW

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. 1431+50 TO STA. 1443+15

SCALE: 1"= 50'

1/30/2026
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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

PIN 100260.03
END PROJ. NO. STP/NH/HPP-28(32);
18008-3230-14 (CONST.)
STA. 1443+15.11 S.R. 28

PIN 100260.03
END PROJ. NO. STP/NH/HPP-28(32);
18008-2226-14 (R.O.W.)
STA. 1431+51.23 S.R. 28
ELEV. 1827.16

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-2227-14 (R.O.W.)
STA. 431+58.63 S.R. 28 =
STA. 1431+52.23 MAINLINE

VPT 1431+89.34
EL. 1827.93
VPI 1431+92.60
EL. 1828.00

EXISTING GROUND

(FUTURE S.R. 28 BY OTHERS)

8" G

8" G

8" G

C

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-3229-14 (CONST.)
STA. 432+00.00 S.R. 28 =
STA. 1431+92.60 MAINLINE

1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825 1820 1815 1810 1805 1800 1795 1790 1785

1432+00 1433+00 1434+00 1435+00 1436+00 1437+00 1438+00 1439+00 1440+00 1441+00 1442+00 1443+00 1444+00

PS&E
FIELD
REVIEW

SEALED BY

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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

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.

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

PS&E FIELD REVIEW

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

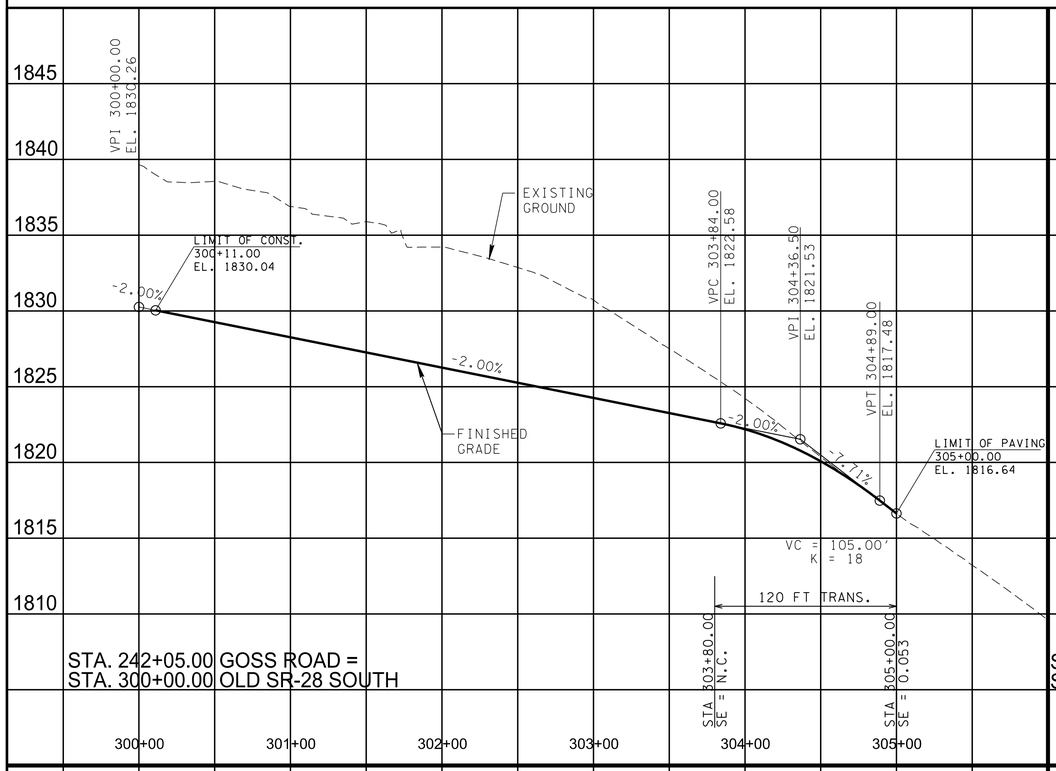
SIDE ROAD PROFILES

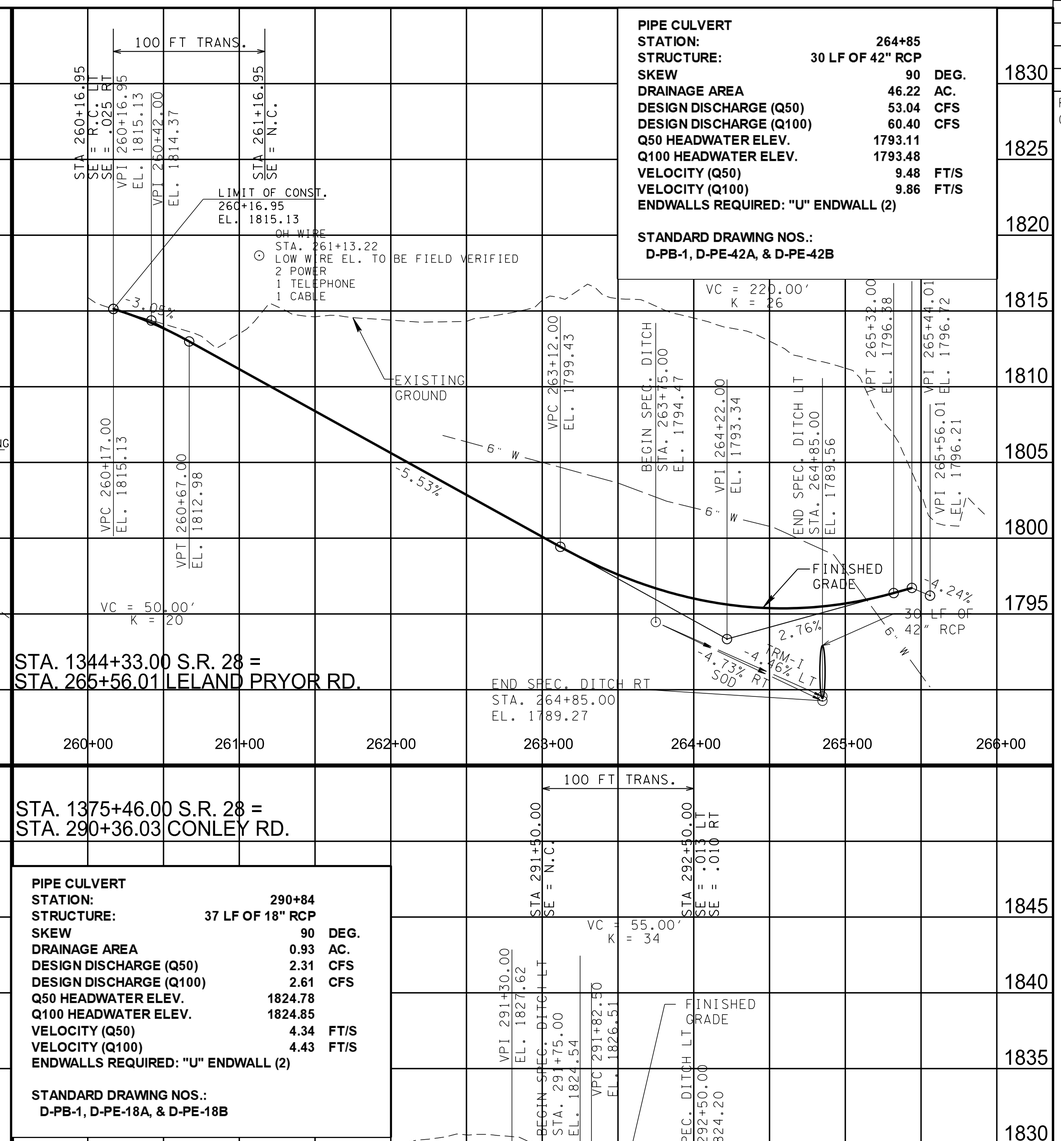
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

1/30/2026
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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.



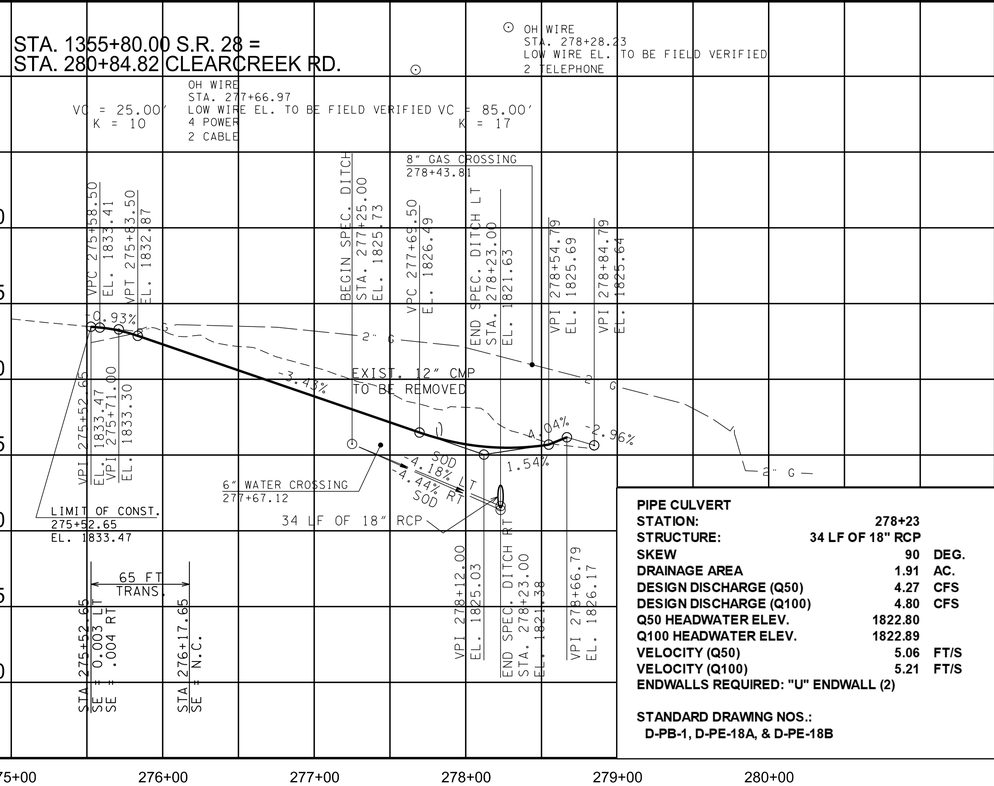


PIPE CULVERT

STATION:	**264+85**	
STRUCTURE:	**30 LF OF 42" RCP**	
SKEW	**90**	**DEG.**
DRAINAGE AREA	**46.22**	**AC.**
DESIGN DISCHARGE (Q50)	**53.04**	**CFS**
DESIGN DISCHARGE (Q100)	**60.40**	**CFS**
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

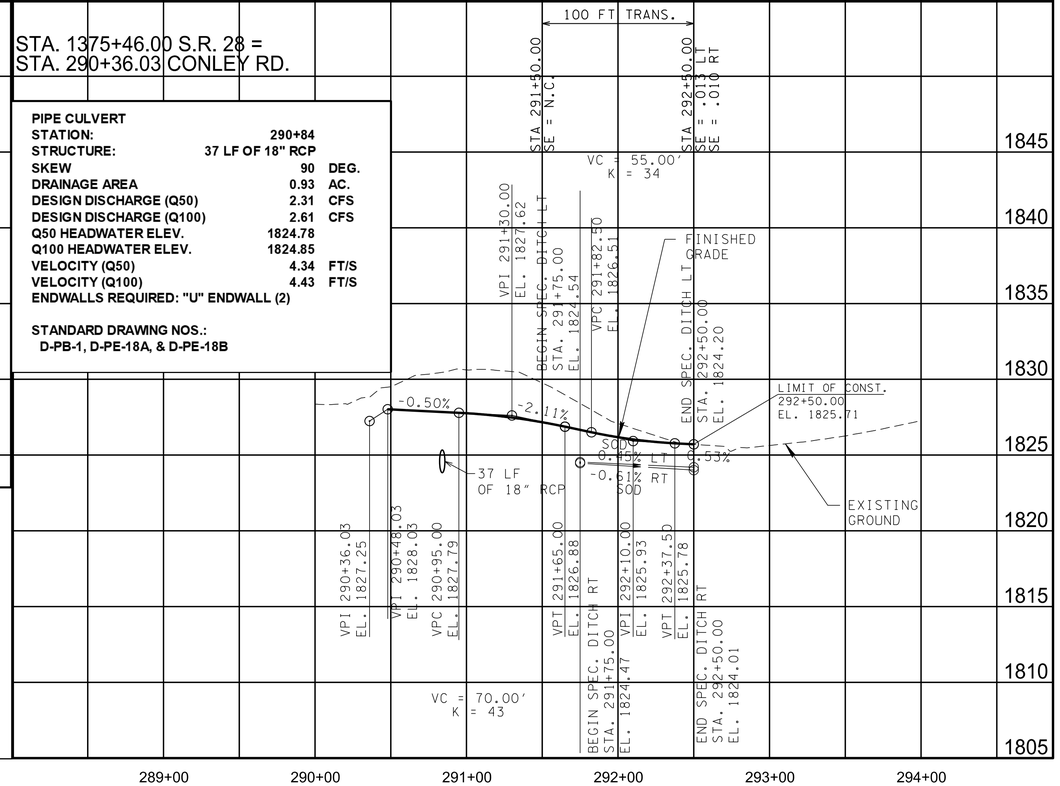


PIPE CULVERT

STATION:	**278+23**	
STRUCTURE:	**34 LF OF 18" RCP**	
SKEW	**90**	**DEG.**
DRAINAGE AREA	**1.91**	**AC.**
DESIGN DISCHARGE (Q50)	**4.27**	**CFS**
DESIGN DISCHARGE (Q100)	**4.80**	**CFS**
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



PS&E FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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

1/30/2026
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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

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

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.

LICKFORK CREEK HAUL RD. NORTH

LICKFORK CREEK HAUL RD. NORTH
12+64.46 =
LICKFORK CREEK HAUL RD. NORTH 2
25+00.00
EL. 1744.24

LICKFORK CREEK HAUL RD. NORTH
10+00.00
EL. 1720.00

PS&E FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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

1/30/2026
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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

PIPE CULVERT

STATION:	**800+06.74**	
STRUCTURE:	**100 LF OF 36" RCP**	
SKEW	**54**	**DEG.**
DRAINAGE AREA	**11.09**	**AC.**
DESIGN DISCHARGE (Q50)	**22.98**	**CFS**
DESIGN DISCHARGE (Q100)	**25.58**	**CFS**
Q50 HEADWATER ELEV.	**1823.72**	
Q100 HEADWATER ELEV.	**1823.88**	
VELOCITY (Q50)	**9.06**	**FT/S**
VELOCITY (Q100)	**9.30**	**FT/S**

ENDWALLS REQUIRED: "U" ENDWALL (2)

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

STA. 1431+92.60 S.R. 28=
STA. 800+00.00 NORTH BOUND TRANSITION

TRANSITION RT

LICKFORK CREEK HAUL RD. NORTH 2

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**
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

STA. 801+87.69 NORTH BOUND TRANS =
STA. 500+00.00 CATOOSA

PS&E FIELD REVIEW

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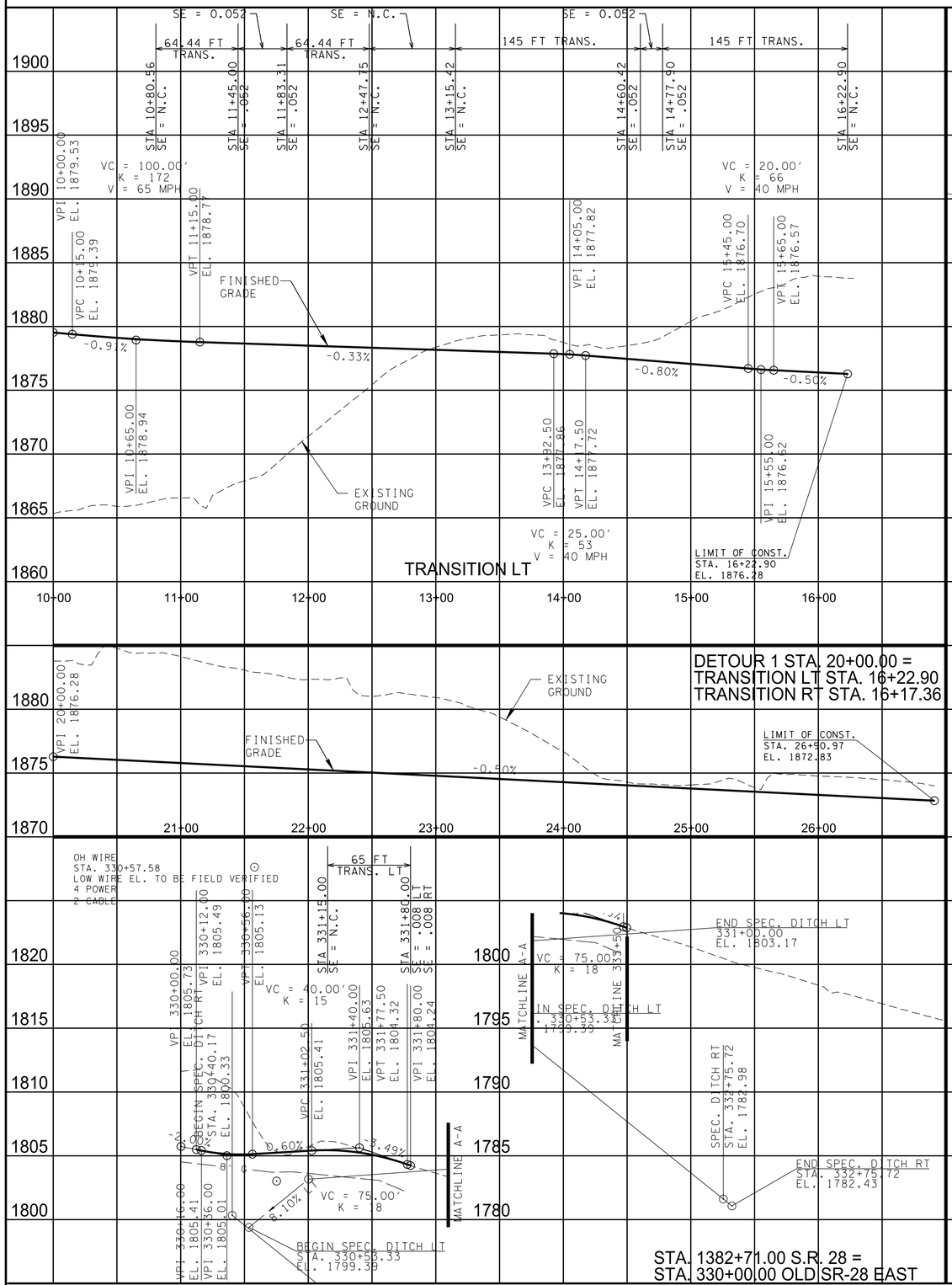
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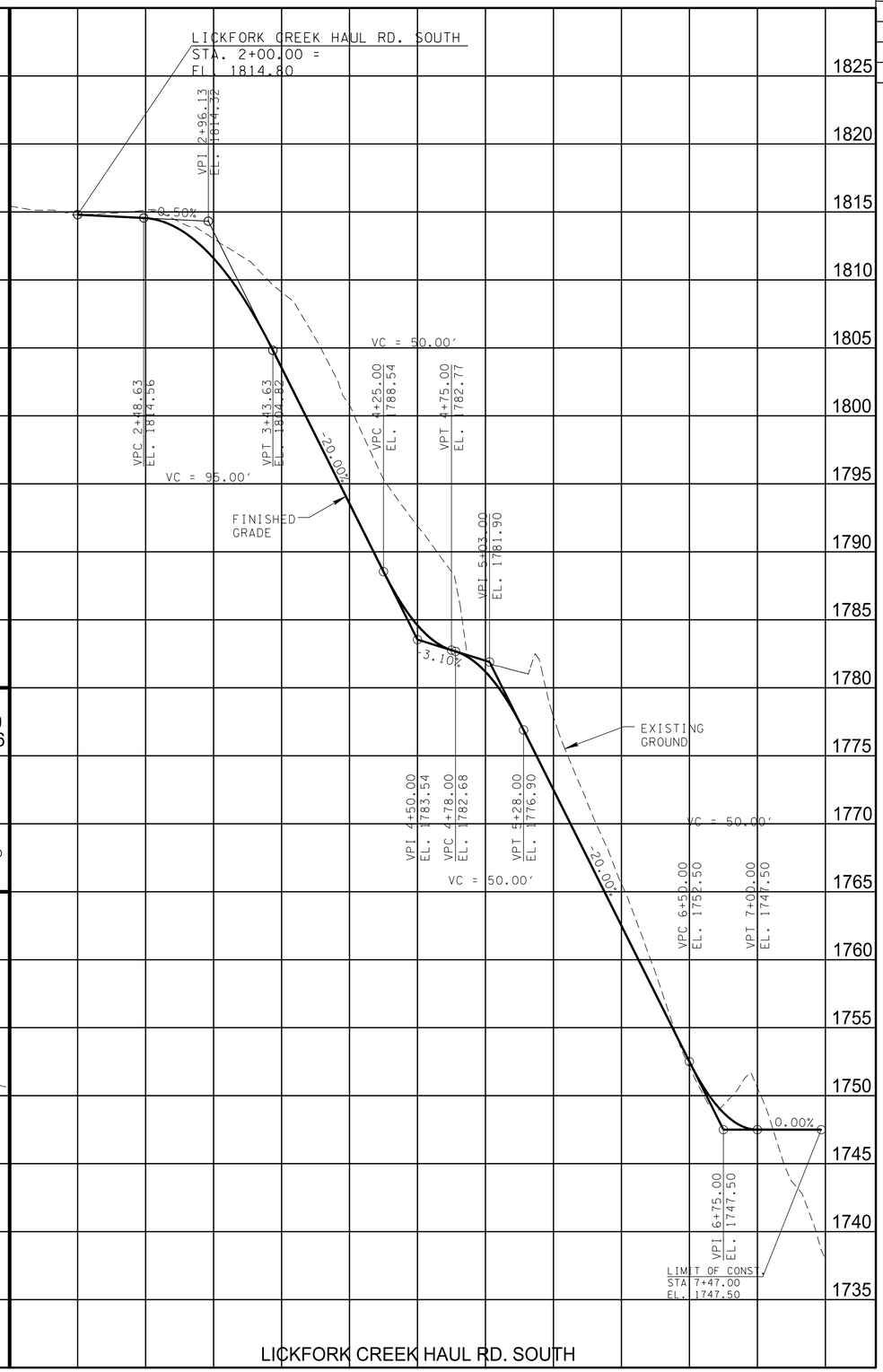
SIDE ROAD PROFILES

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

CELL MGRID
1/30/2026
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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





PS&E FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

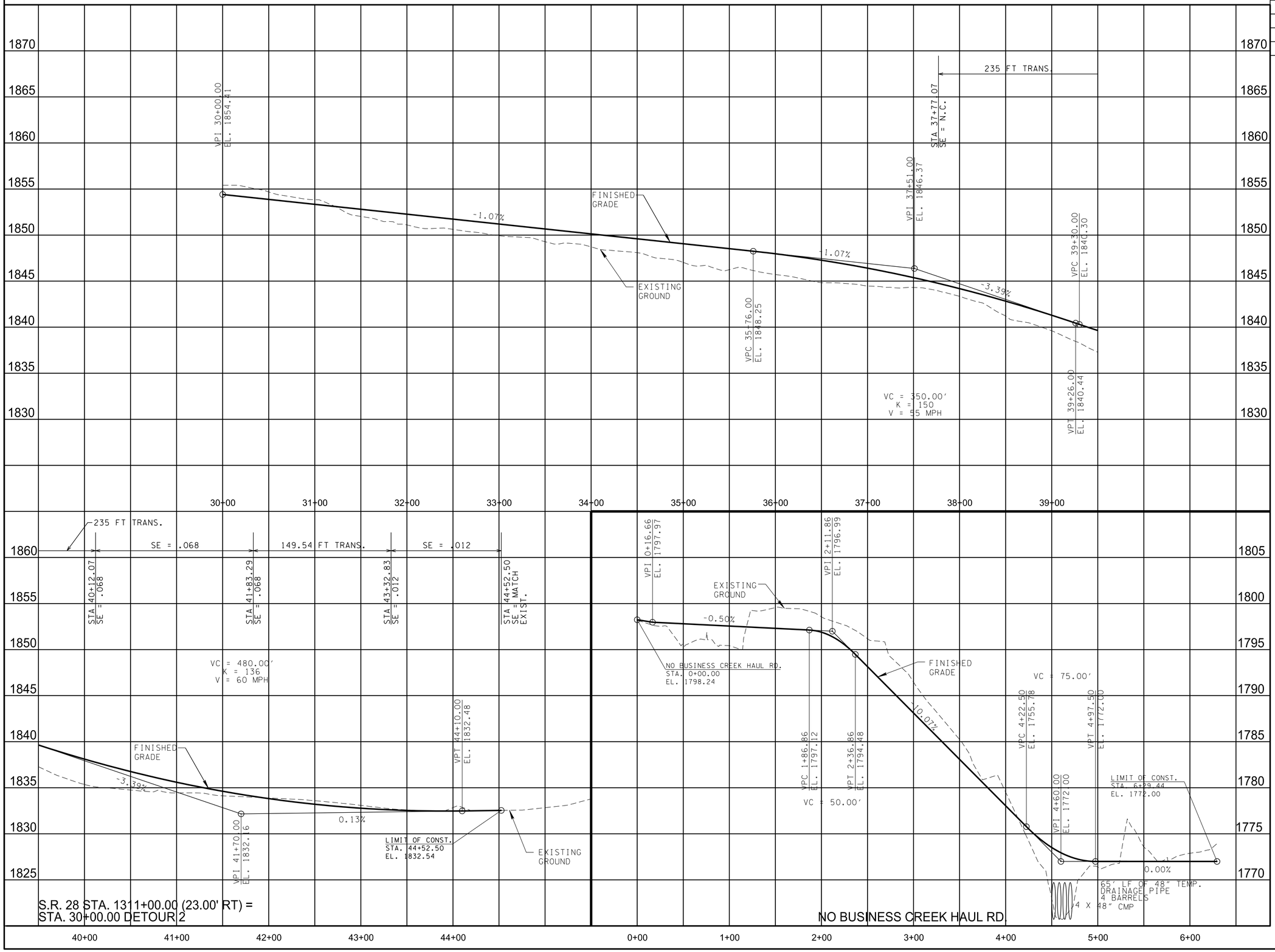
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

CELL MGRID

1/30/2026

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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



S.R. 28 STA. 1311+00.00 (23.00' RT) =
STA. 30+00.00 DETOUR 2

NO BUSINESS CREEK HAUL RD.

PS&E
FIELD
REVIEW

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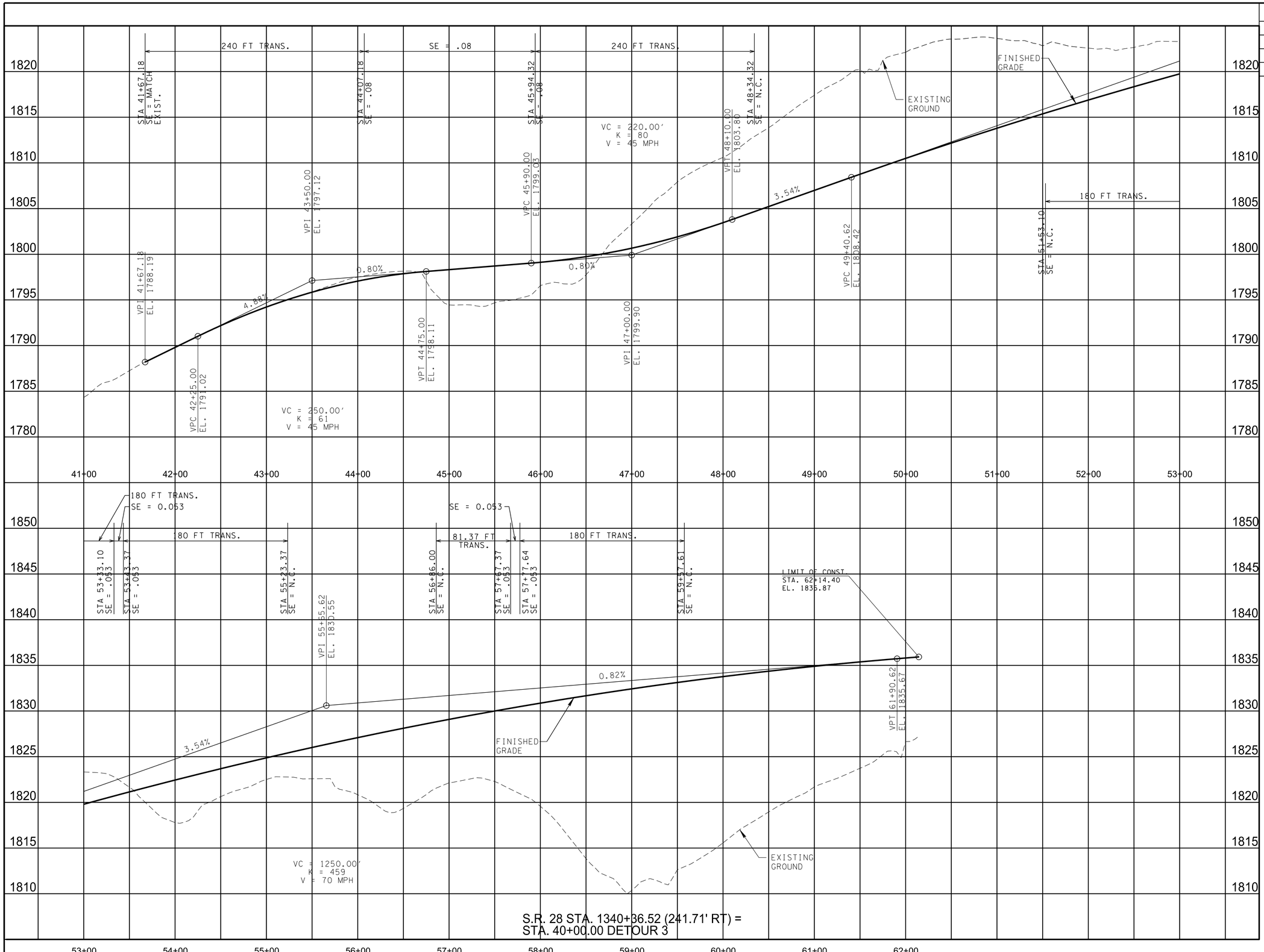
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD
PROFILES

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

CELL MGRID
1/30/2026
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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

PS&E FIELD REVIEW

SEALED BY

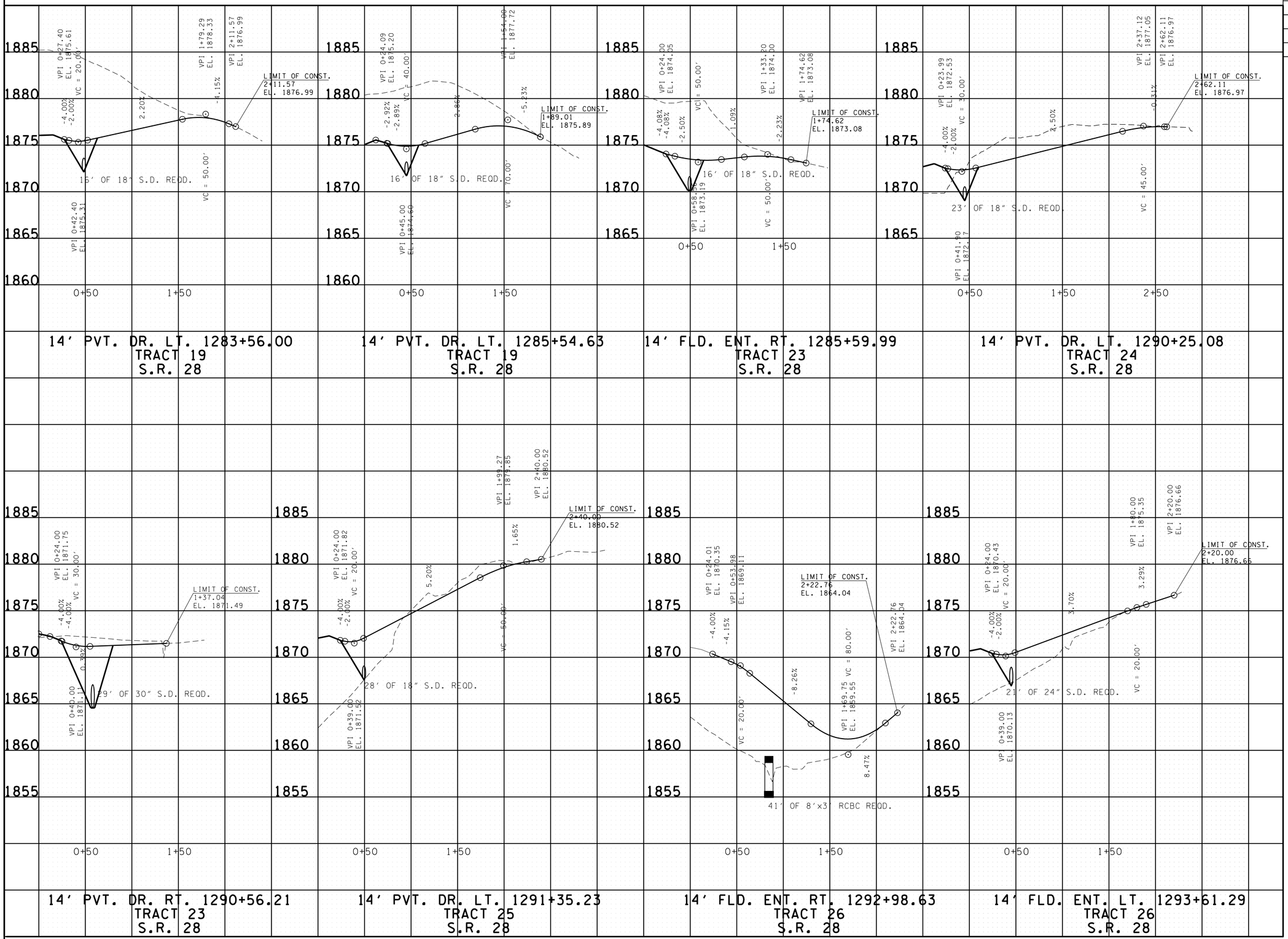
COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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

CELL MGRID
1/30/2026
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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

PS&E FIELD REVIEW

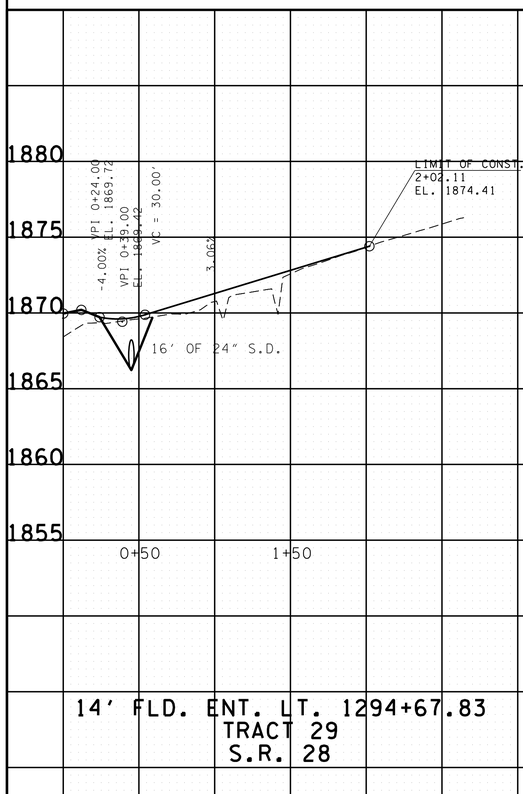
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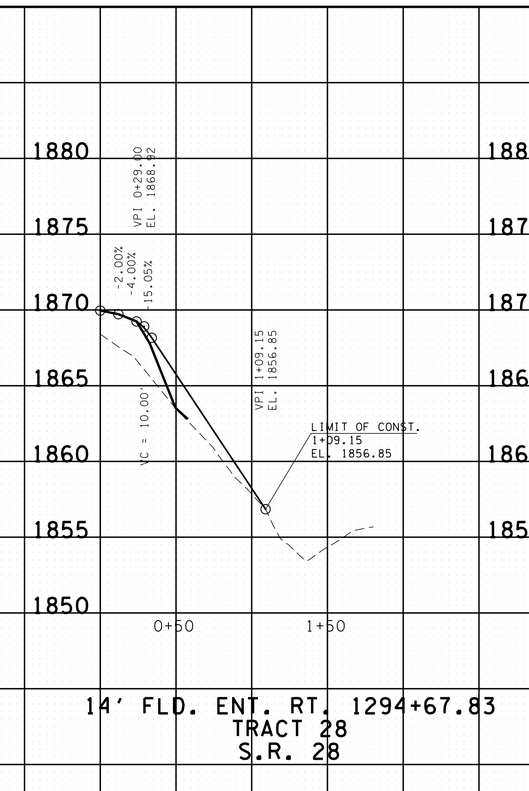
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

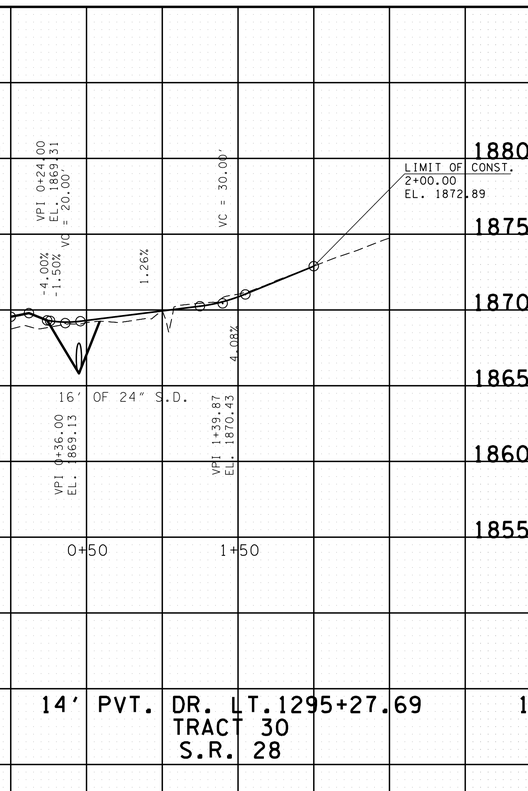
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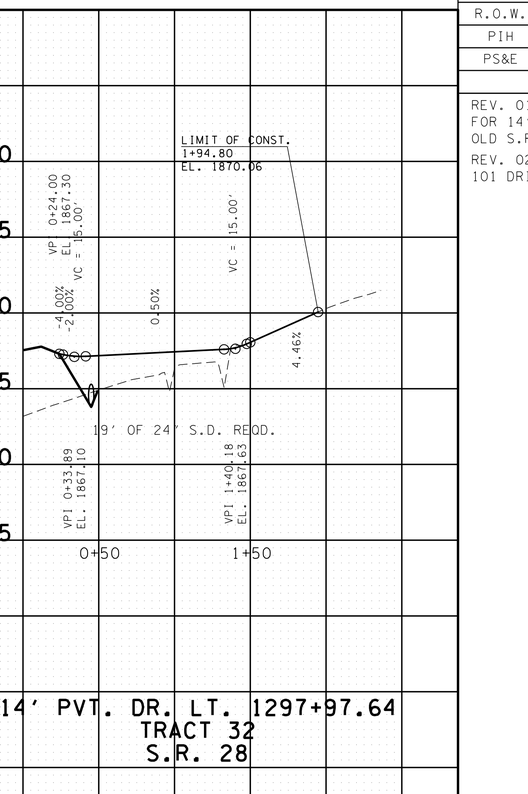
14' FLD. ENT. LT. 1294+67.83
TRACT 29
S.R. 28



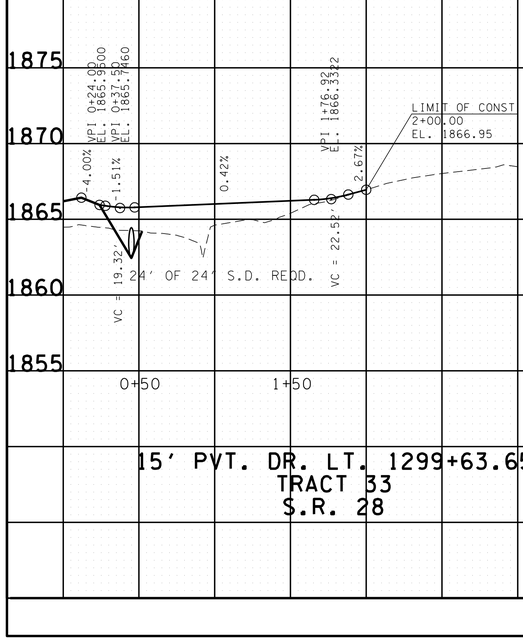
14' FLD. ENT. RT. 1294+67.83
TRACT 28
S.R. 28



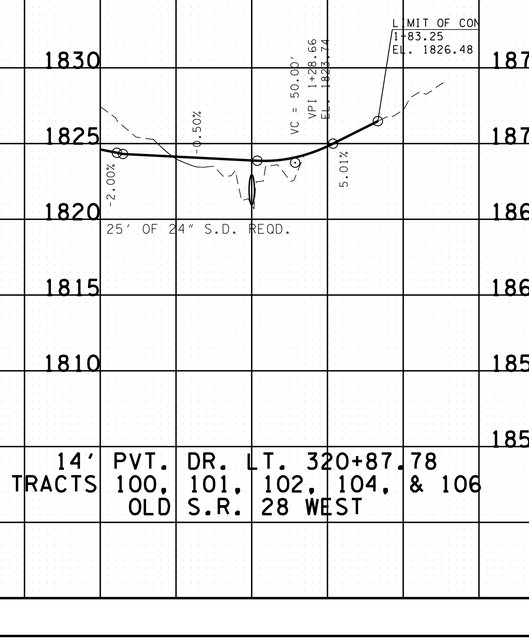
14' PVT. DR. LT.1295+27.69
TRACT 30
S.R. 28



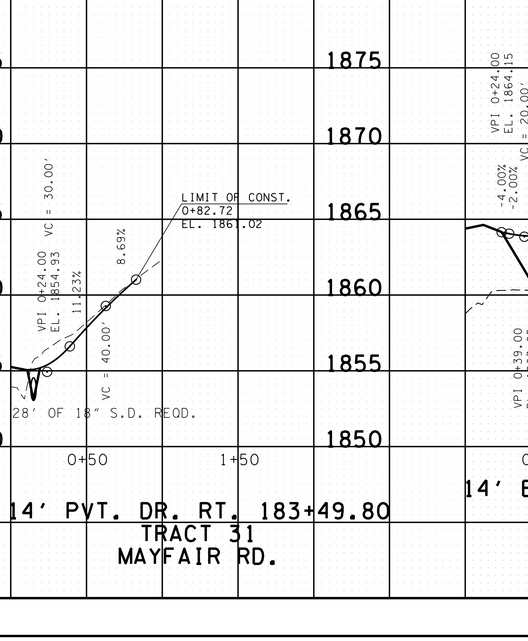
14' PVT. DR. LT. 1297+97.64
TRACT 32
S.R. 28



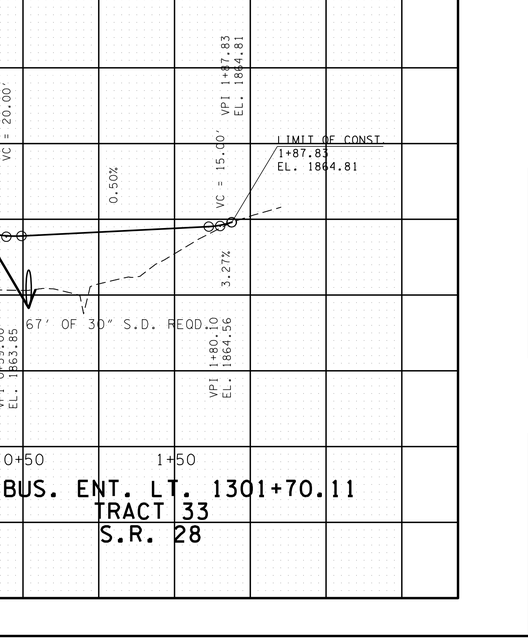
15' PVT. DR. LT. 1299+63.65
TRACT 33
S.R. 28



14' PVT. DR. LT. 320+87.78
TRACTS 100, 101, 102, 104, & 106
OLD S.R. 28 WEST



14' PVT. DR. RT. 183+49.80
TRACT 31
MAYFAIR RD.



14' BUS. ENT. LT. 1301+70.11
TRACT 33
S.R. 28

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.

PS&E
FIELD
REVIEW

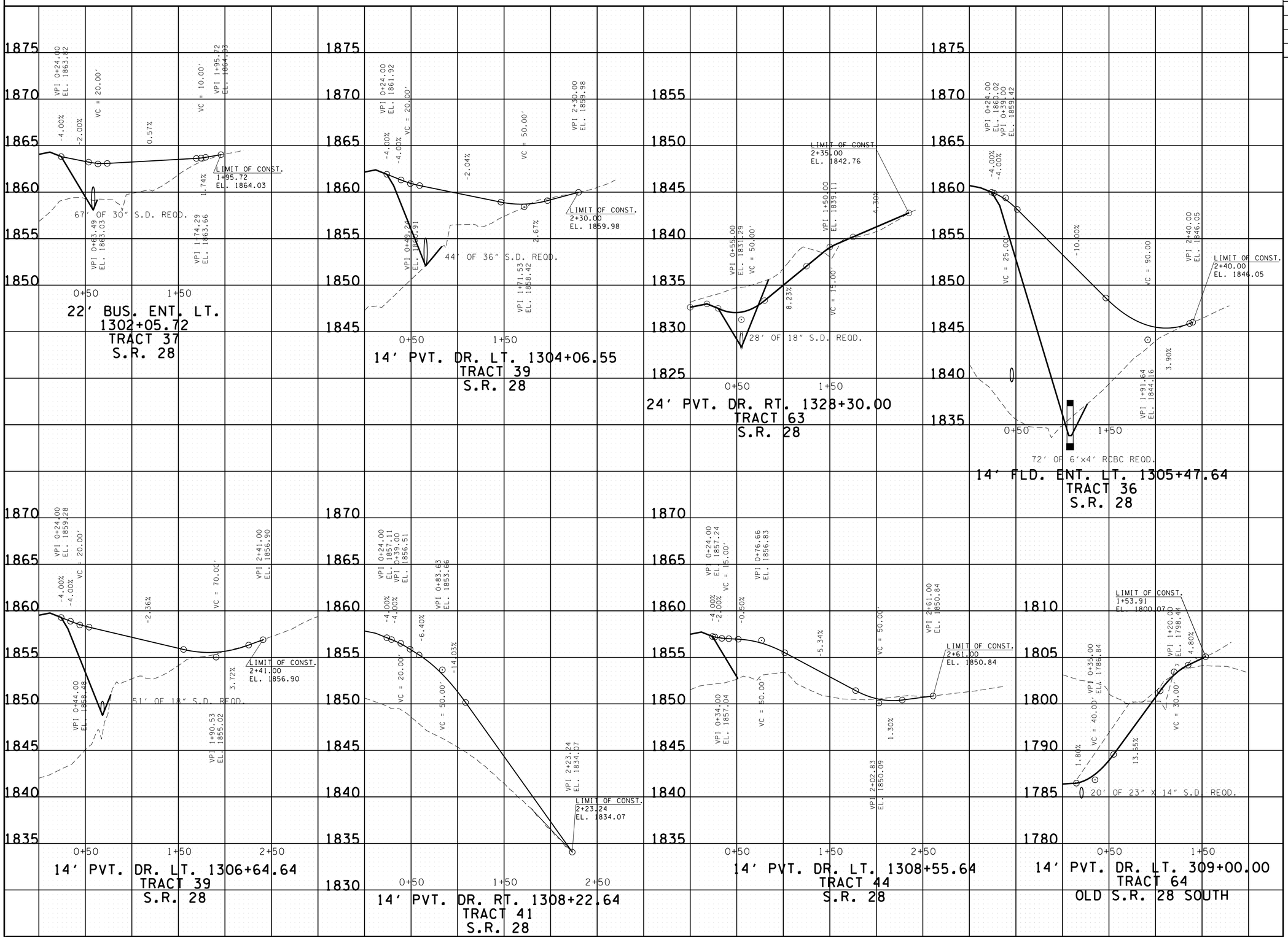
SEALED BY

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

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

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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.

PS&E FIELD REVIEW

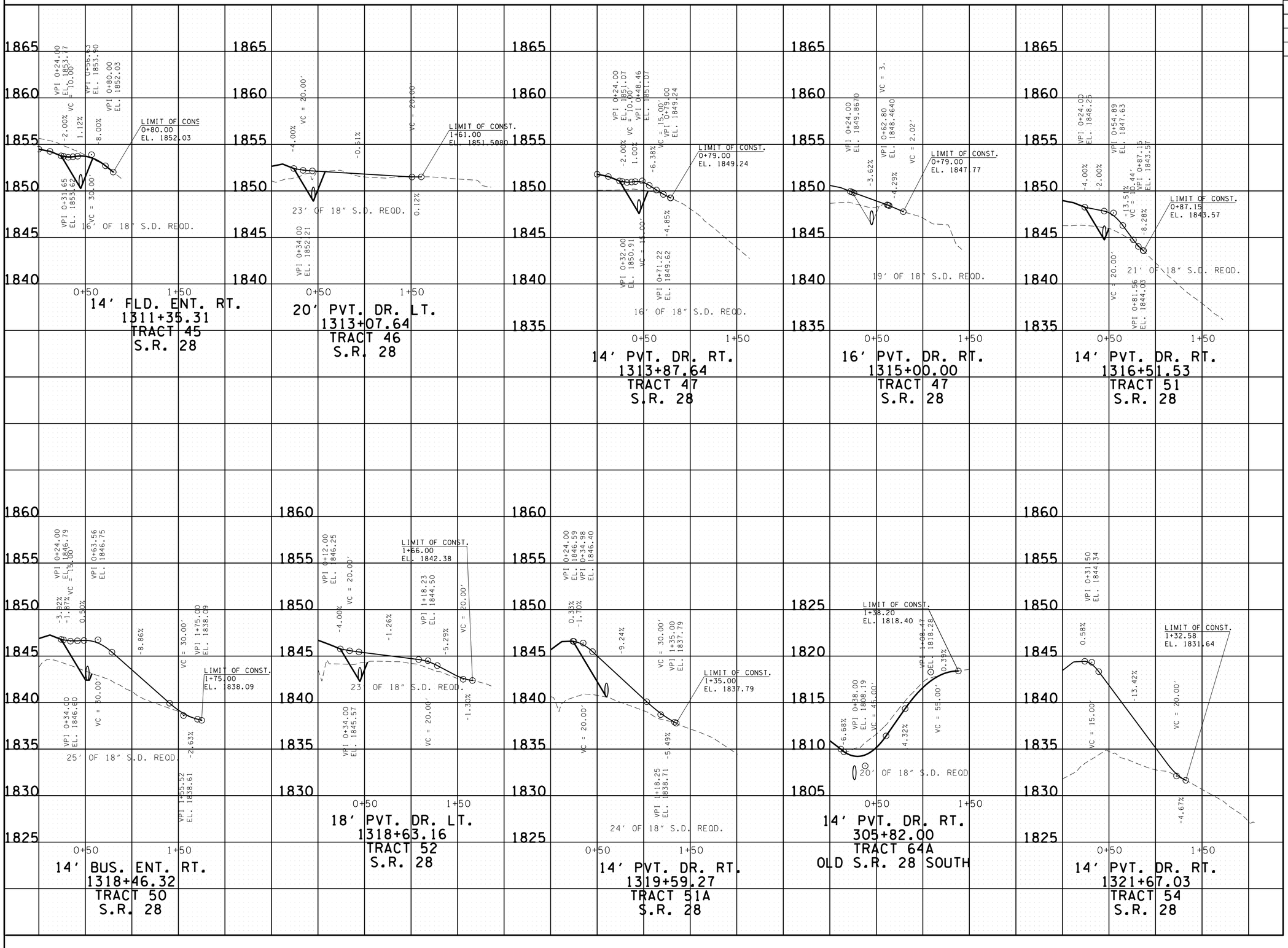
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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

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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.

PS&E
FIELD
REVIEW

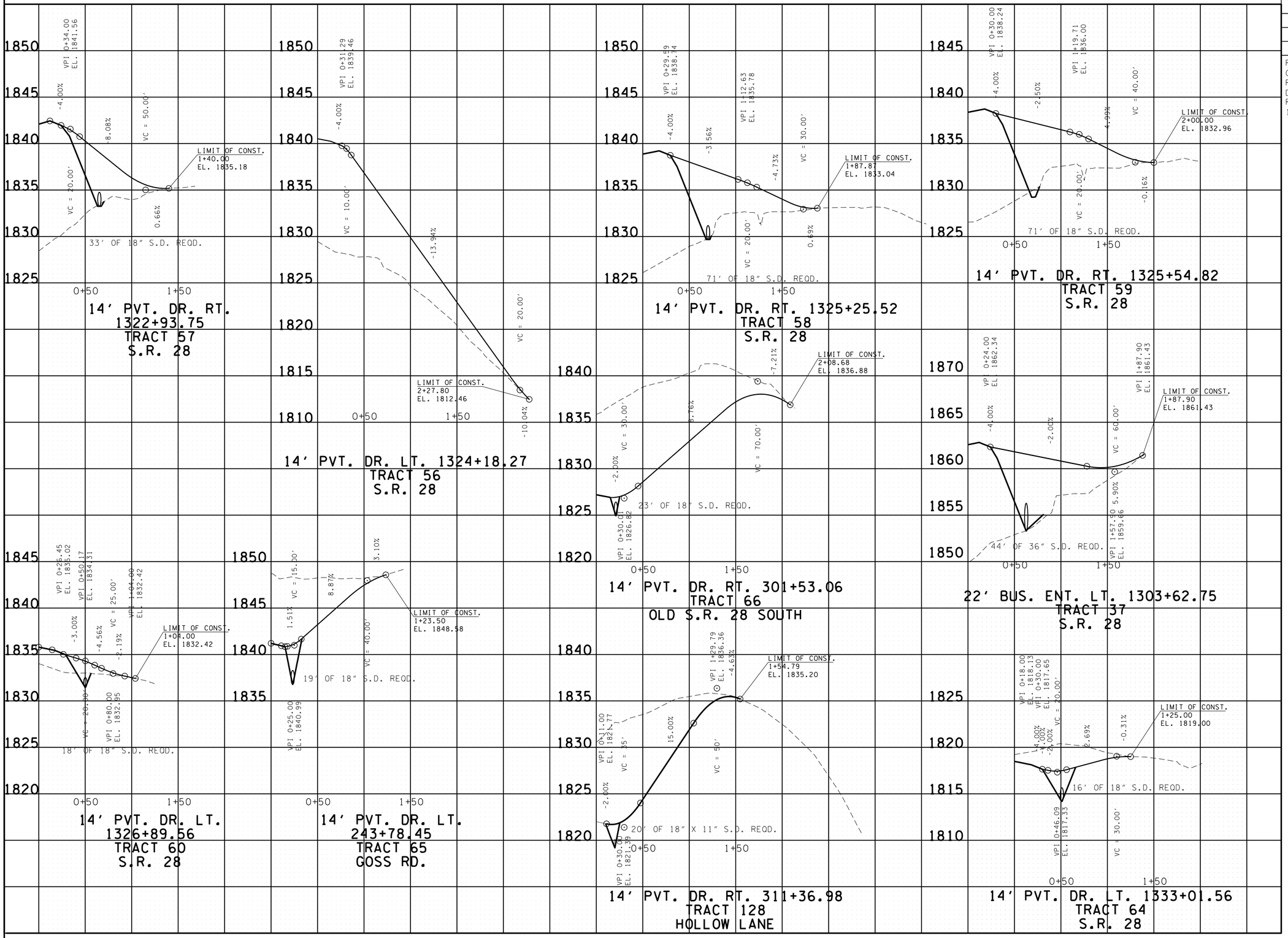
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

1/30/2026
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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.

PS&E FIELD REVIEW

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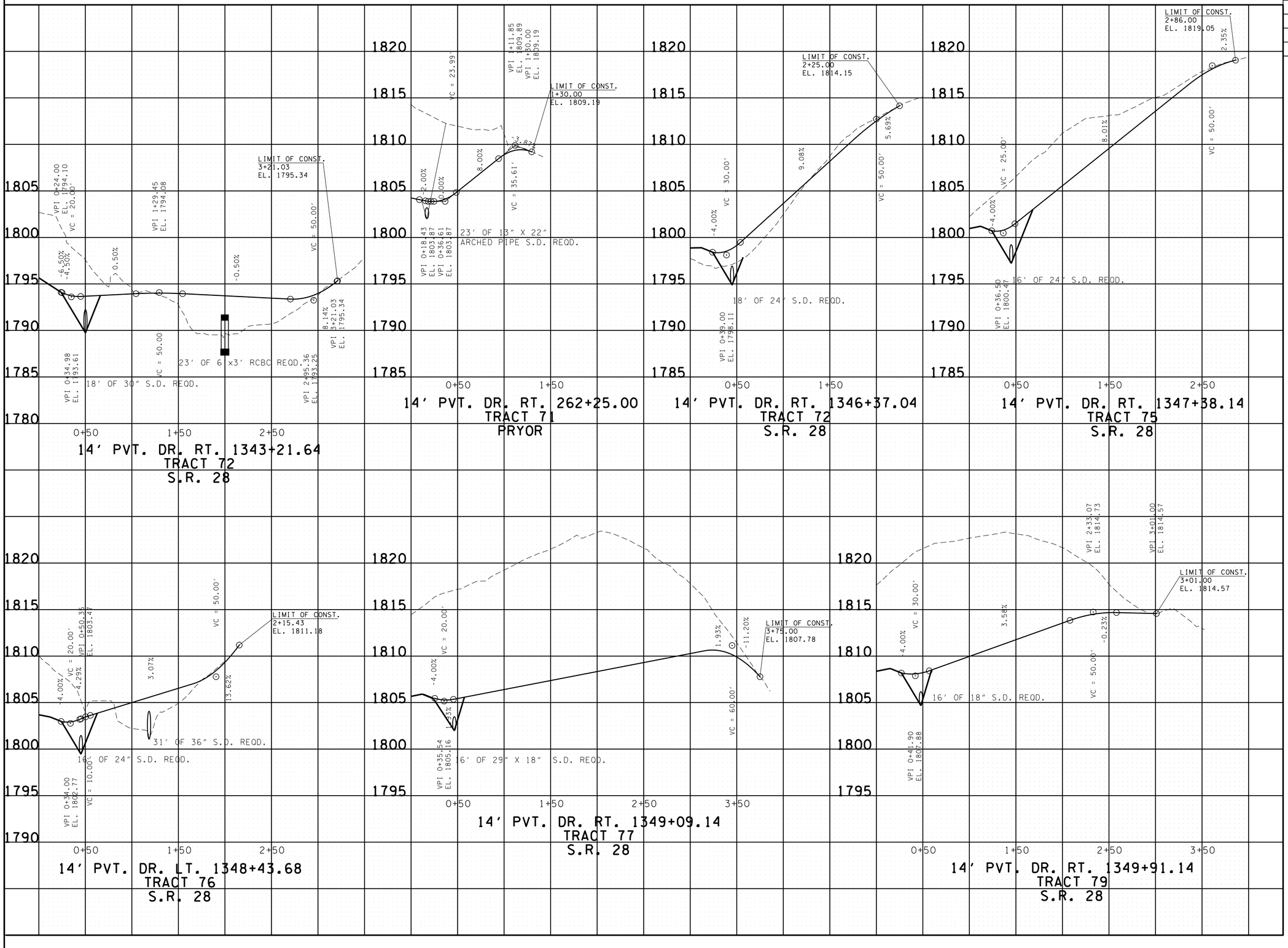
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

1/30/2026
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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



PS&E
FIELD
REVIEW

SEALED BY

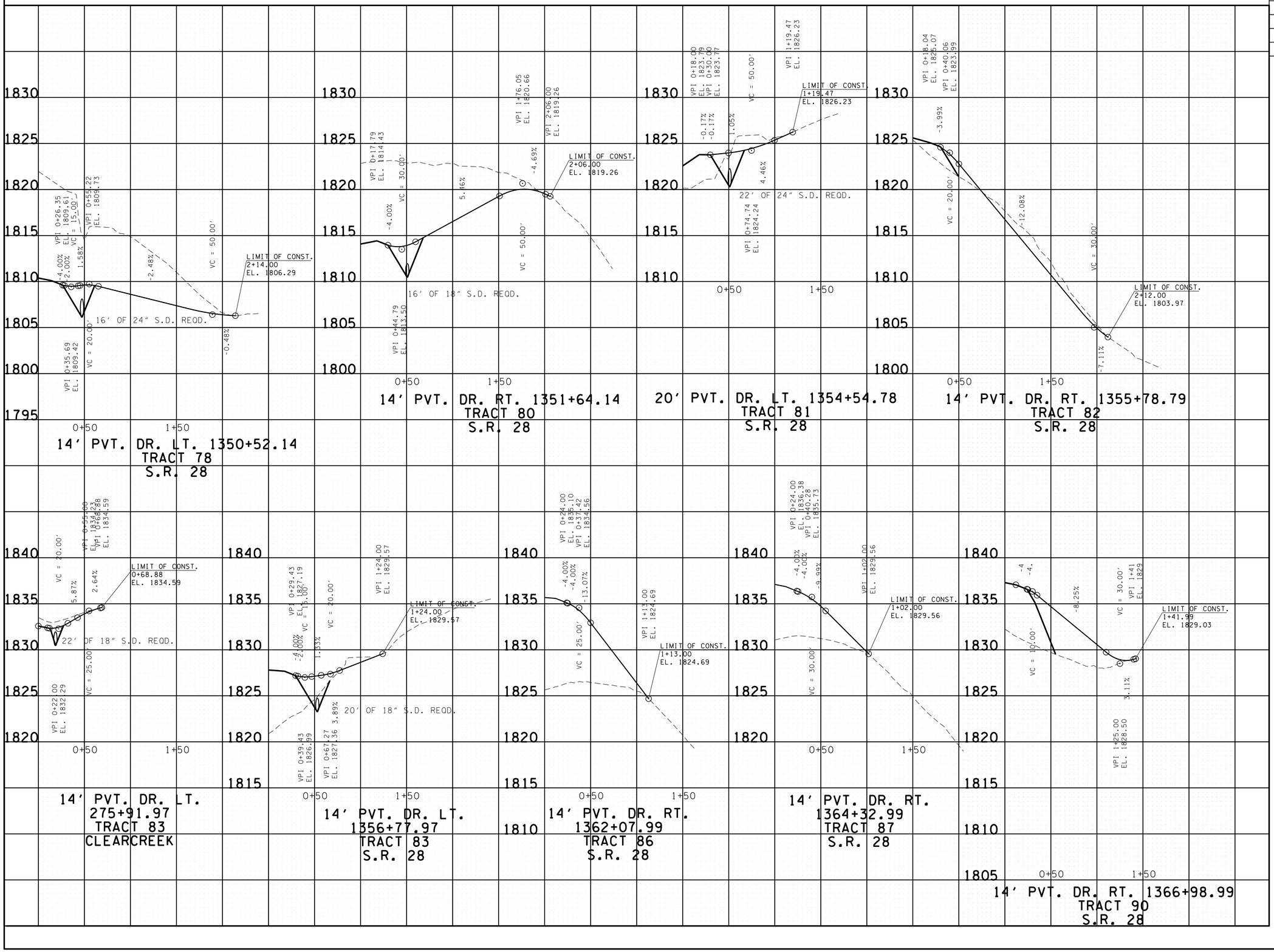
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

1/30/2026
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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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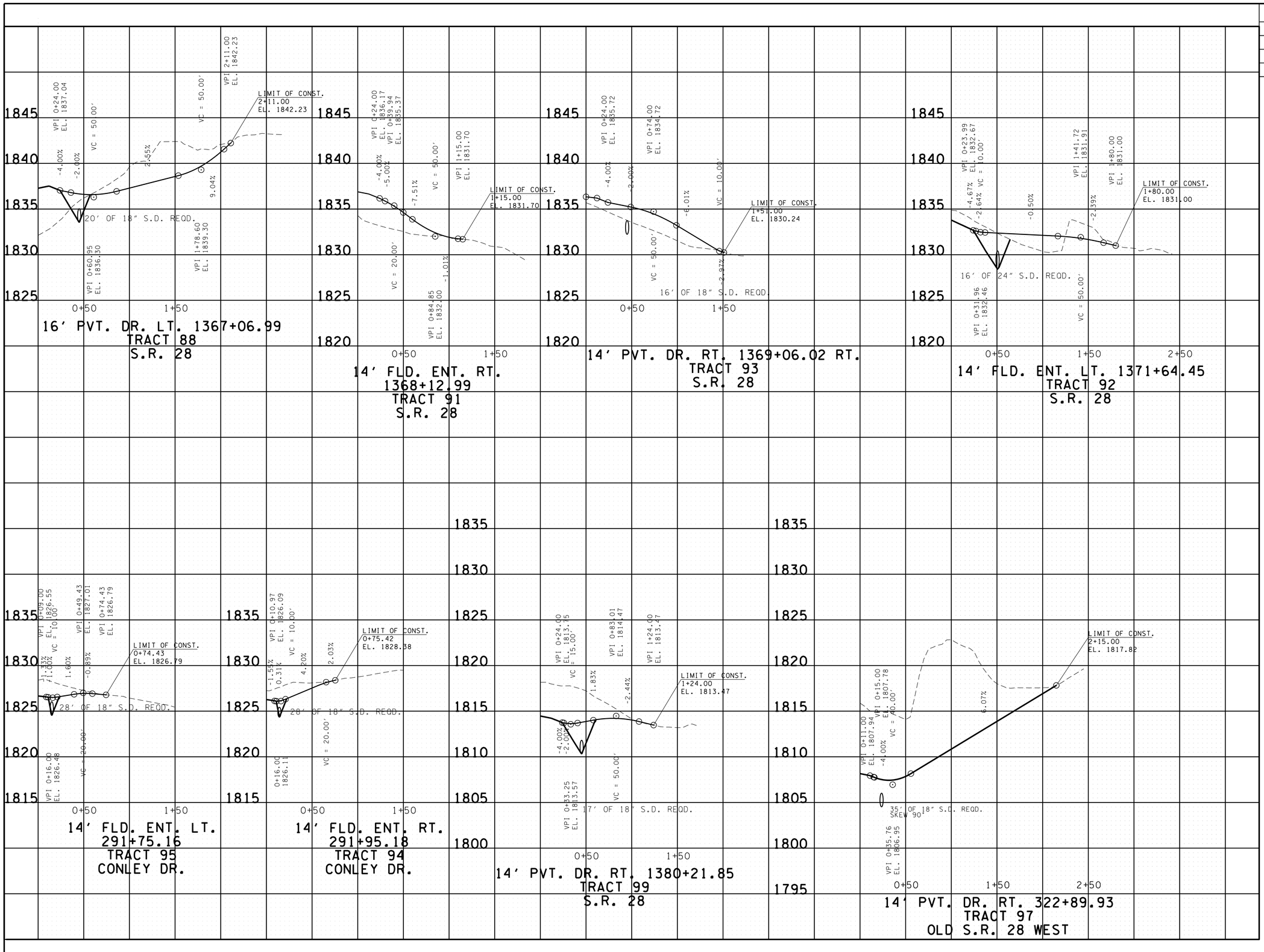
PS&E
FIELD
REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES



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

PS&E FIELD REVIEW

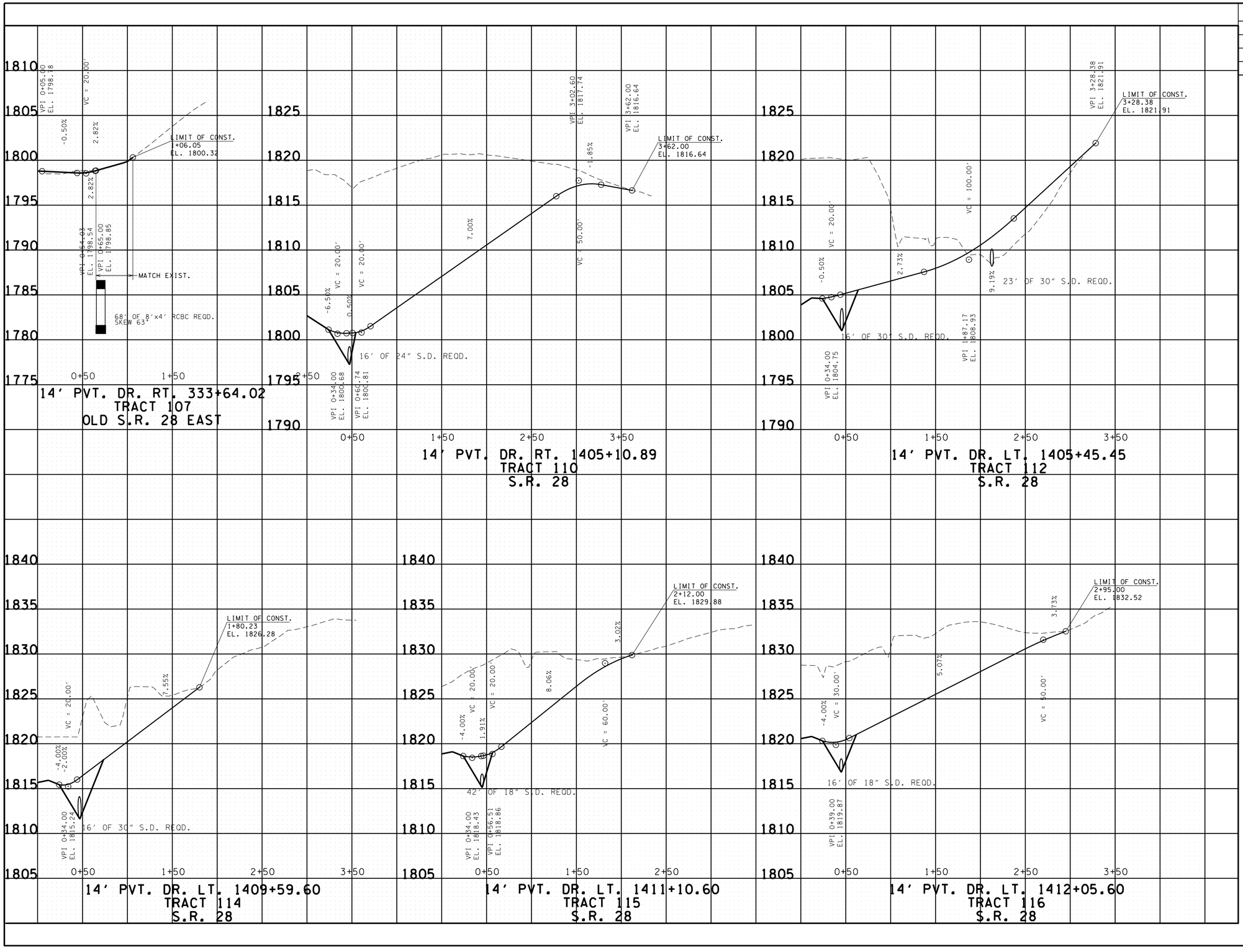
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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

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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.

PS&E FIELD REVIEW

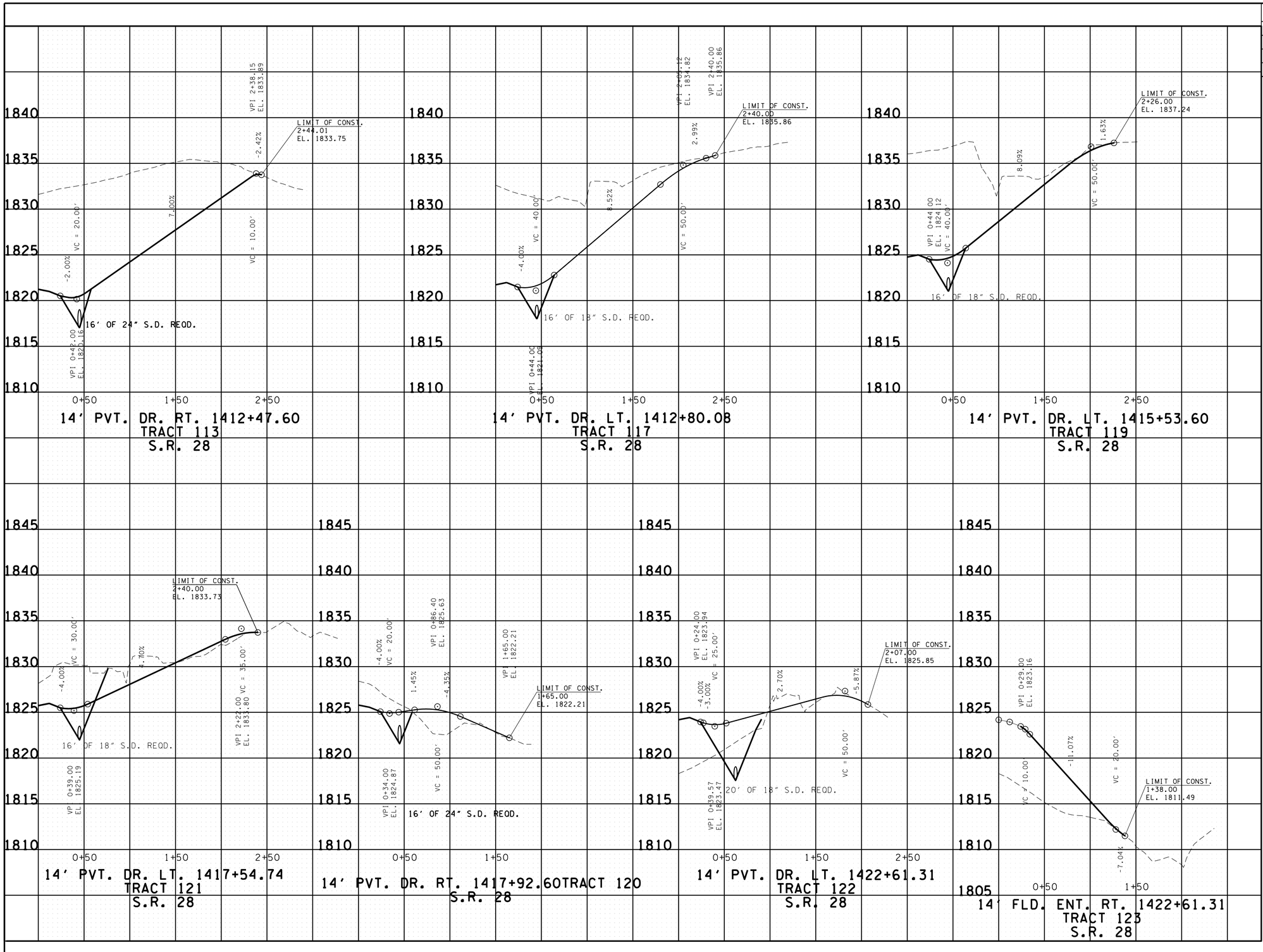
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

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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.

PS&E FIELD REVIEW

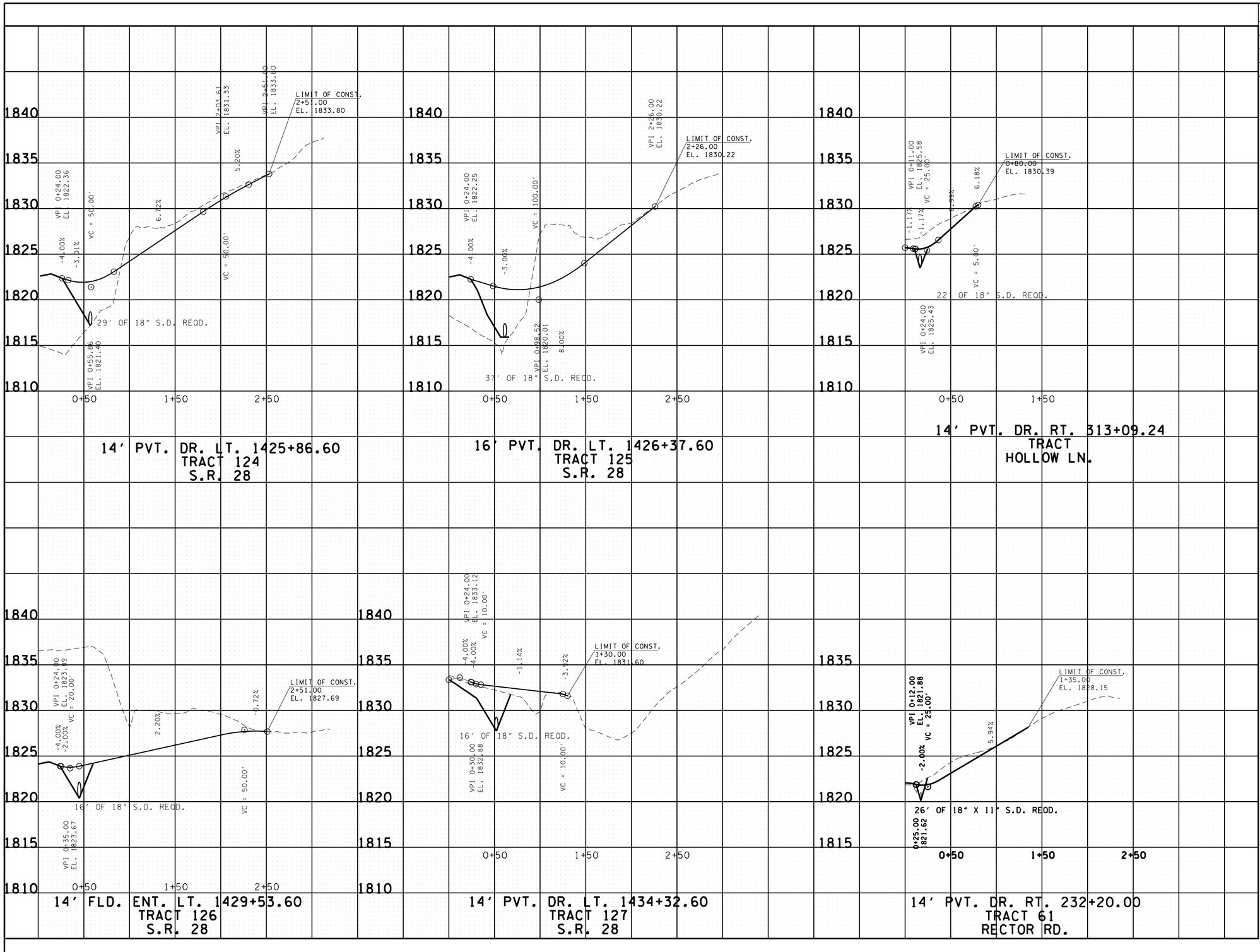
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

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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.

PS&E FIELD REVIEW

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

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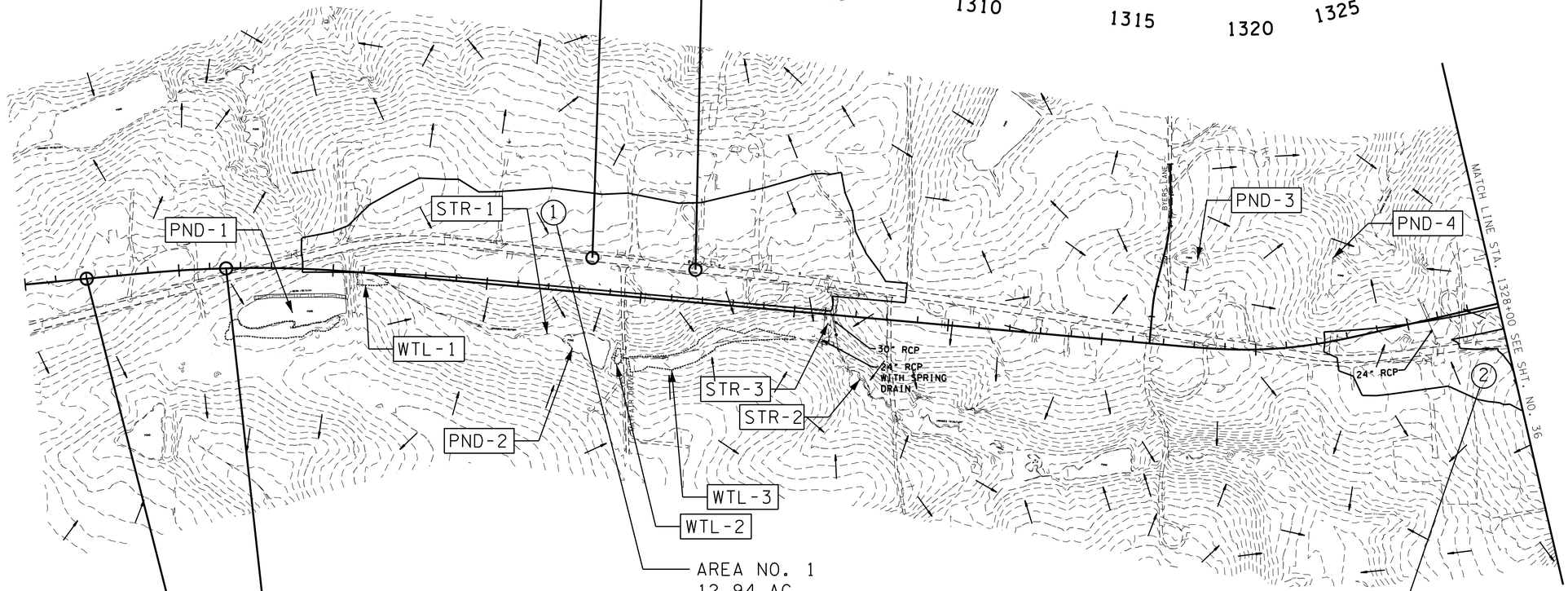
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	35
PIH	2026	STP/NH/HPP-28(32)	35
PS&E	2026	STP/NH/HPP-28(32)	35

N

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+50.00 S.R. 28 (U.S. 127)
N: 637051.3087
E: 2245094.8085

1280 1285 1290 1295 1300 1305 1310 1315 1320 1325



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

AREA NO. 1
12.94 AC.
C = 0.46
Q(50) = 30.06 CFS
STA. 1306+28.22
30" RCP

AREA NO. 2
2.96 AC.
C = 0.47
Q(50) = 8.28 CFS
STA. 1325+66.12
24" RCP

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

PS&E
FIELD
REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAPS

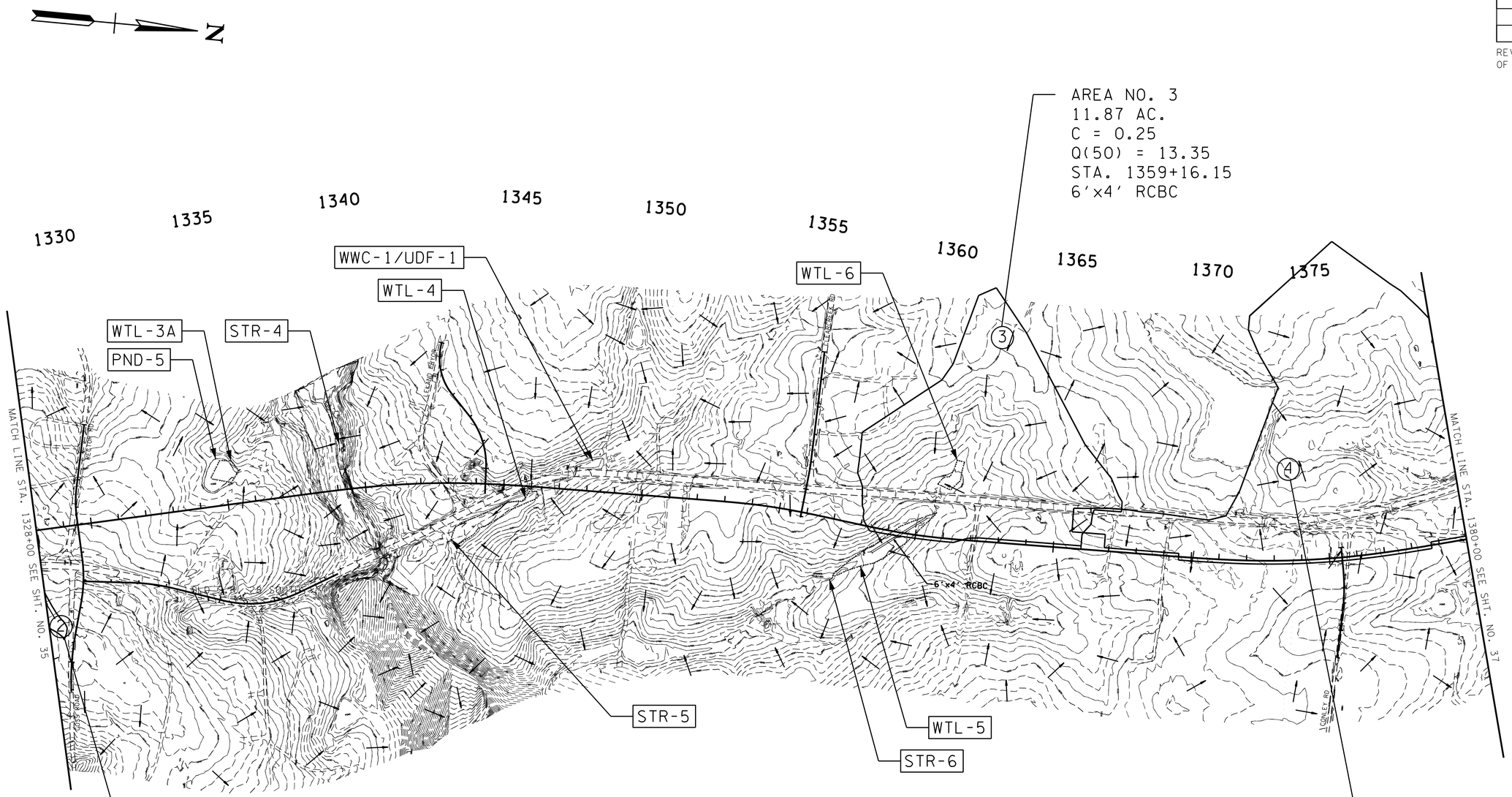
STA. 1282+00 TO STA.1328+00

SCALE: 1"=200'

1/30/2026
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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.



PS&E FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

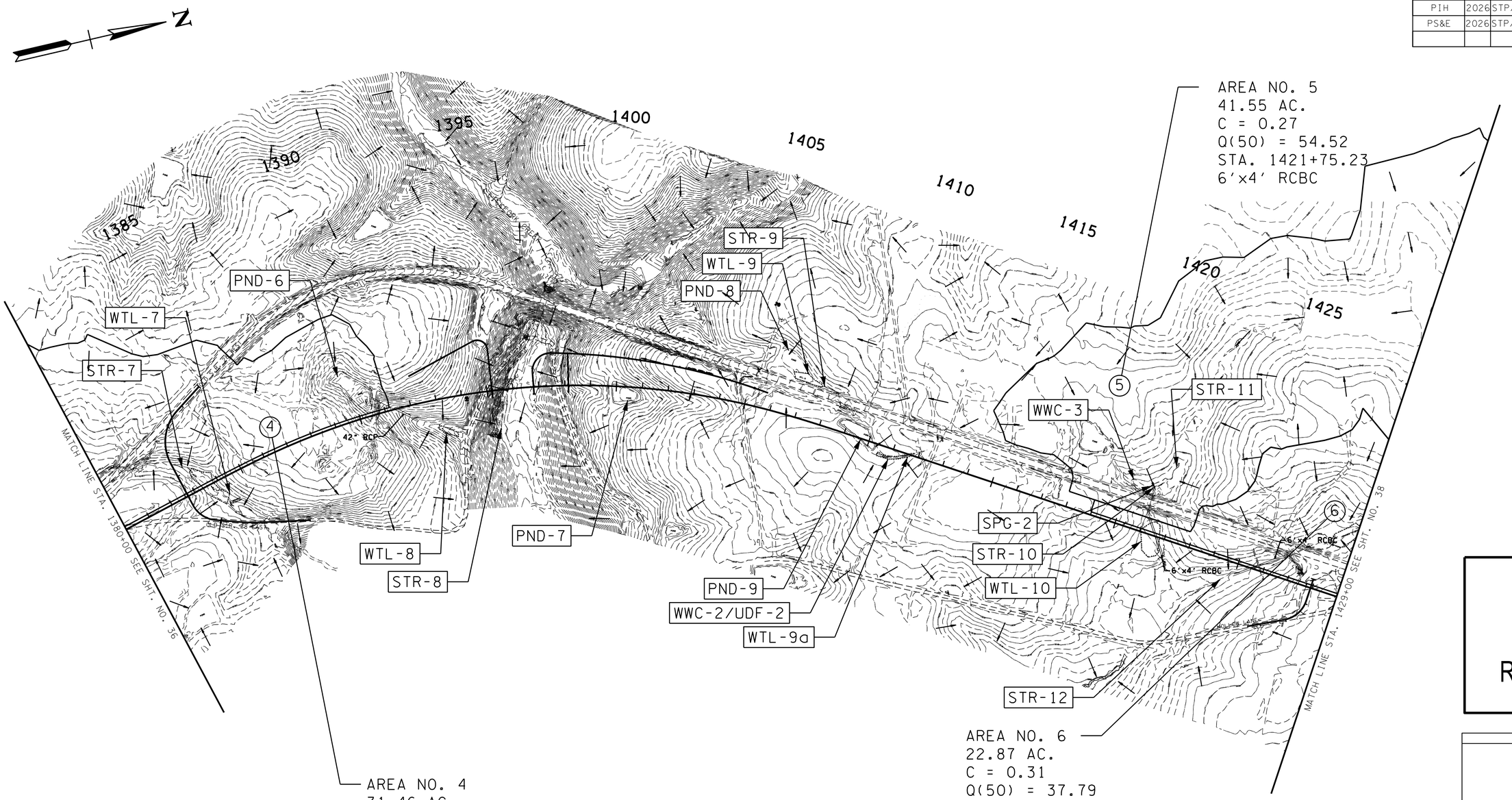
DRAINAGE MAPS

STA. 1328+00 TO STA.1380+00

SCALE: 1"=200'

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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



PS&E
FIELD
REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

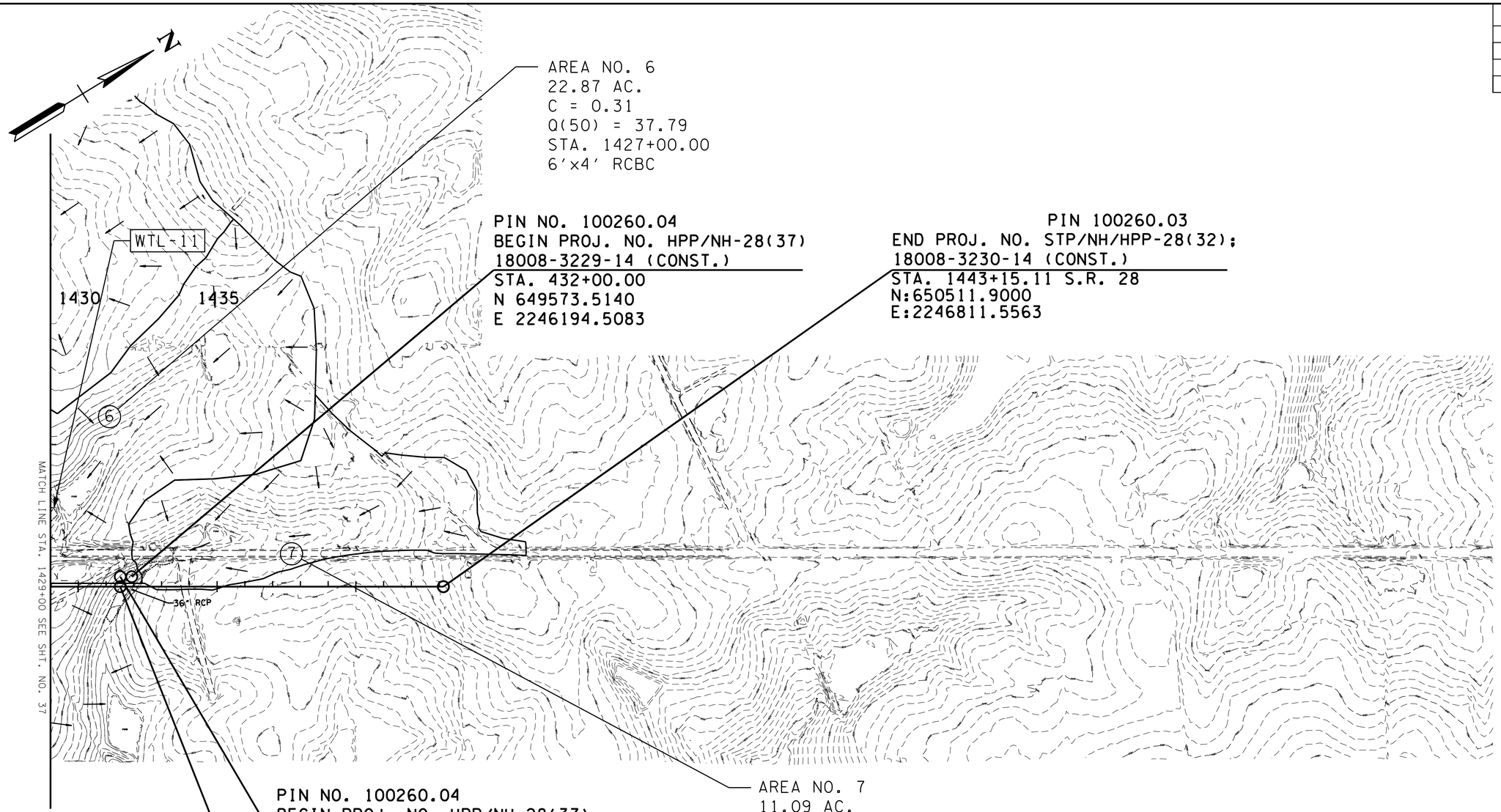
DRAINAGE MAPS

1380+00 TO 1429+00

SCALE: 1"=200'

1/30/2026
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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



AREA NO. 6
22.87 AC.
C = 0.31
Q(50) = 37.79
STA. 1427+00.00
6'×4' RCBC

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-3229-14 (CONST.)
STA. 432+00.00
N 649573.5140
E 2246194.5083

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

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-2227-14 (R.O.W.)
STA. 431+58.63
N 649538.2364
E 2246172.8982

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:2246203.5965
E:649519.4315

AREA NO. 7
11.09 AC.
C = 0.35
Q(50) = 22.98
STA. 800+06.74
36" RCP

PS&E
FIELD
REVIEW

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STATE OF TENNESSEE
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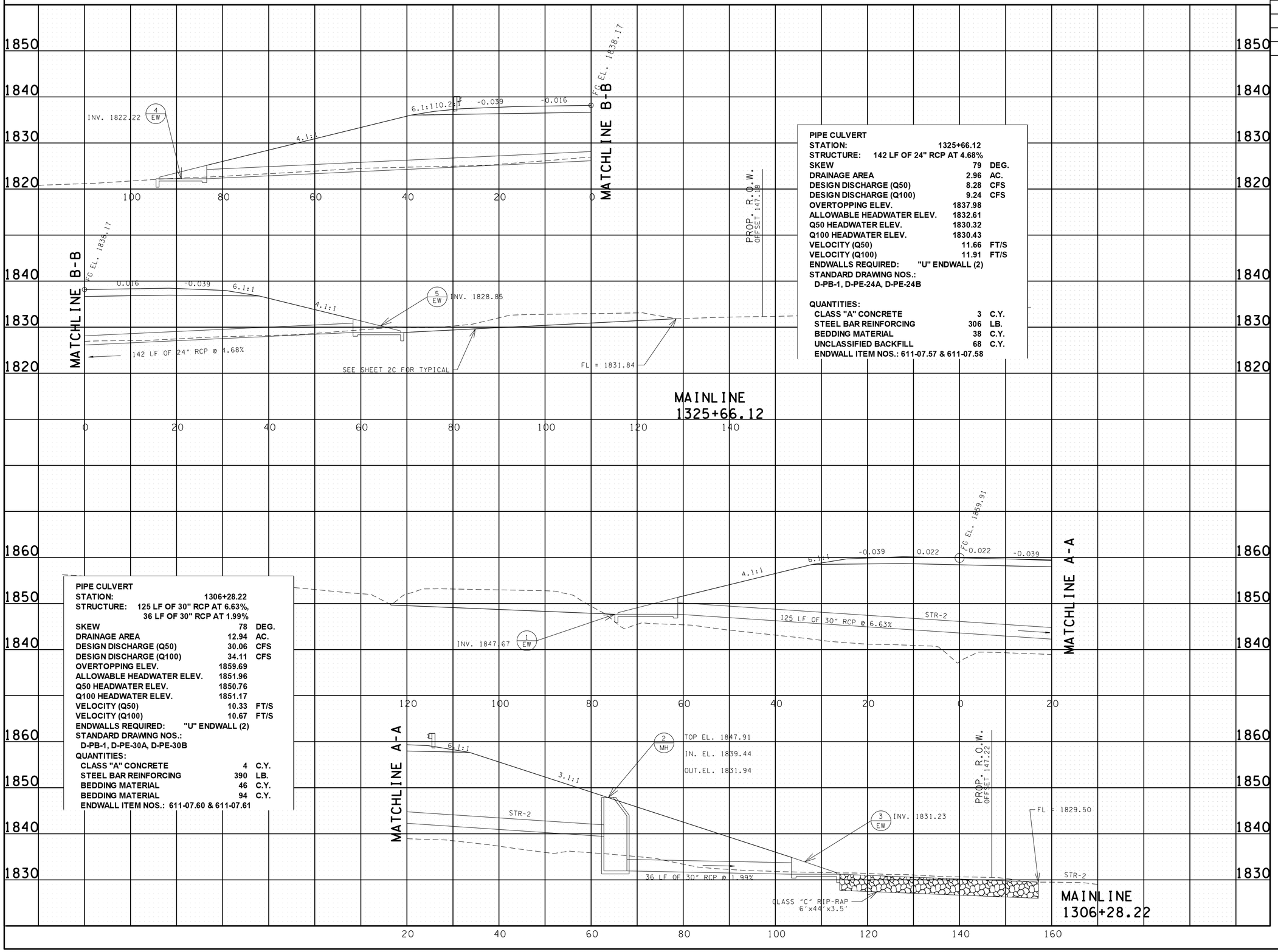
DRAINAGE MAPS

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		

PS&E
FIELD
REVIEW

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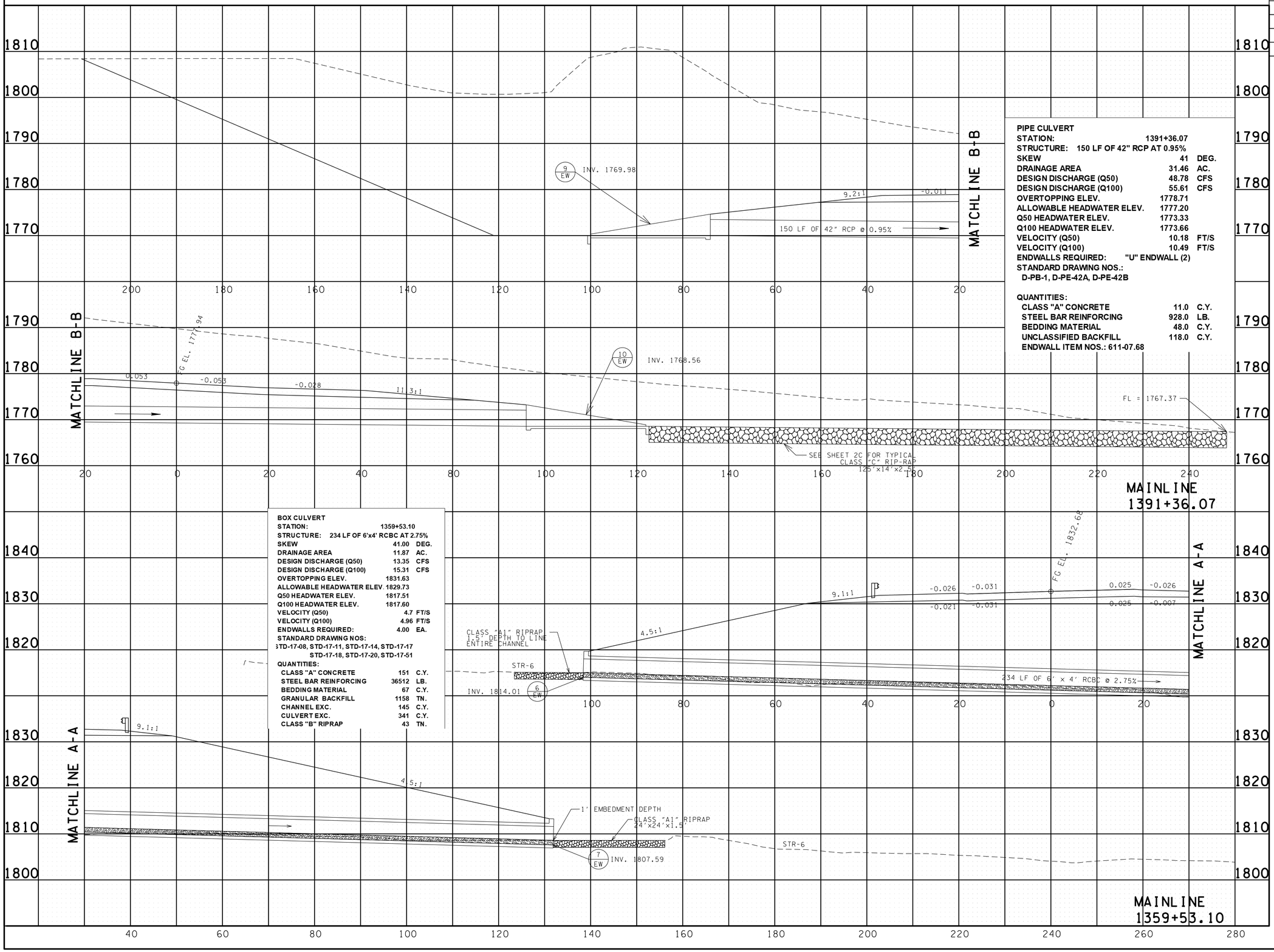
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

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

CELL MGRID
1/30/2026
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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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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

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

CELL MGRID

1/30/2026

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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

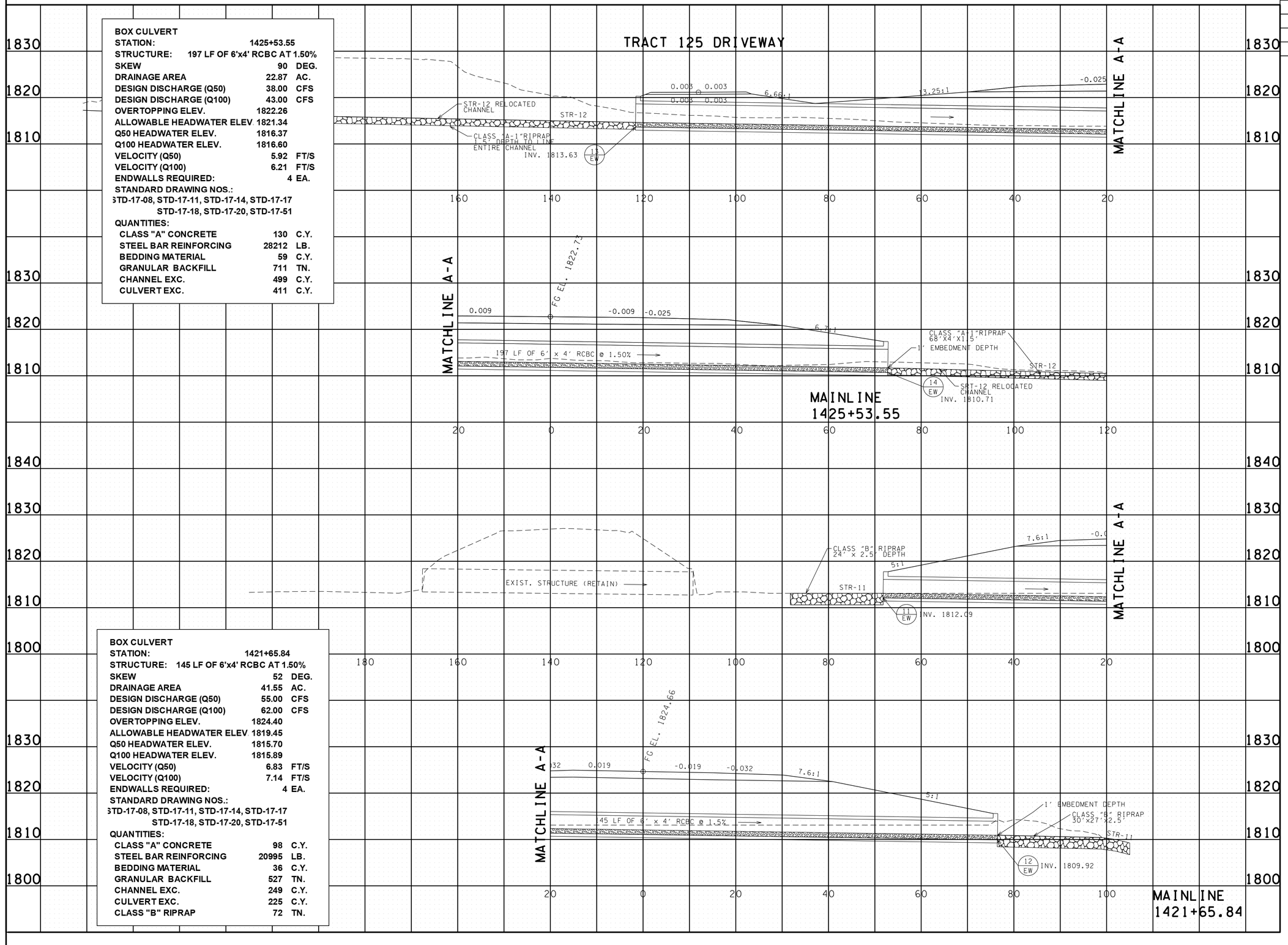
BOX CULVERT

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.

PS&E FIELD REVIEW

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

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

CELL MGRID
1/30/2026
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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

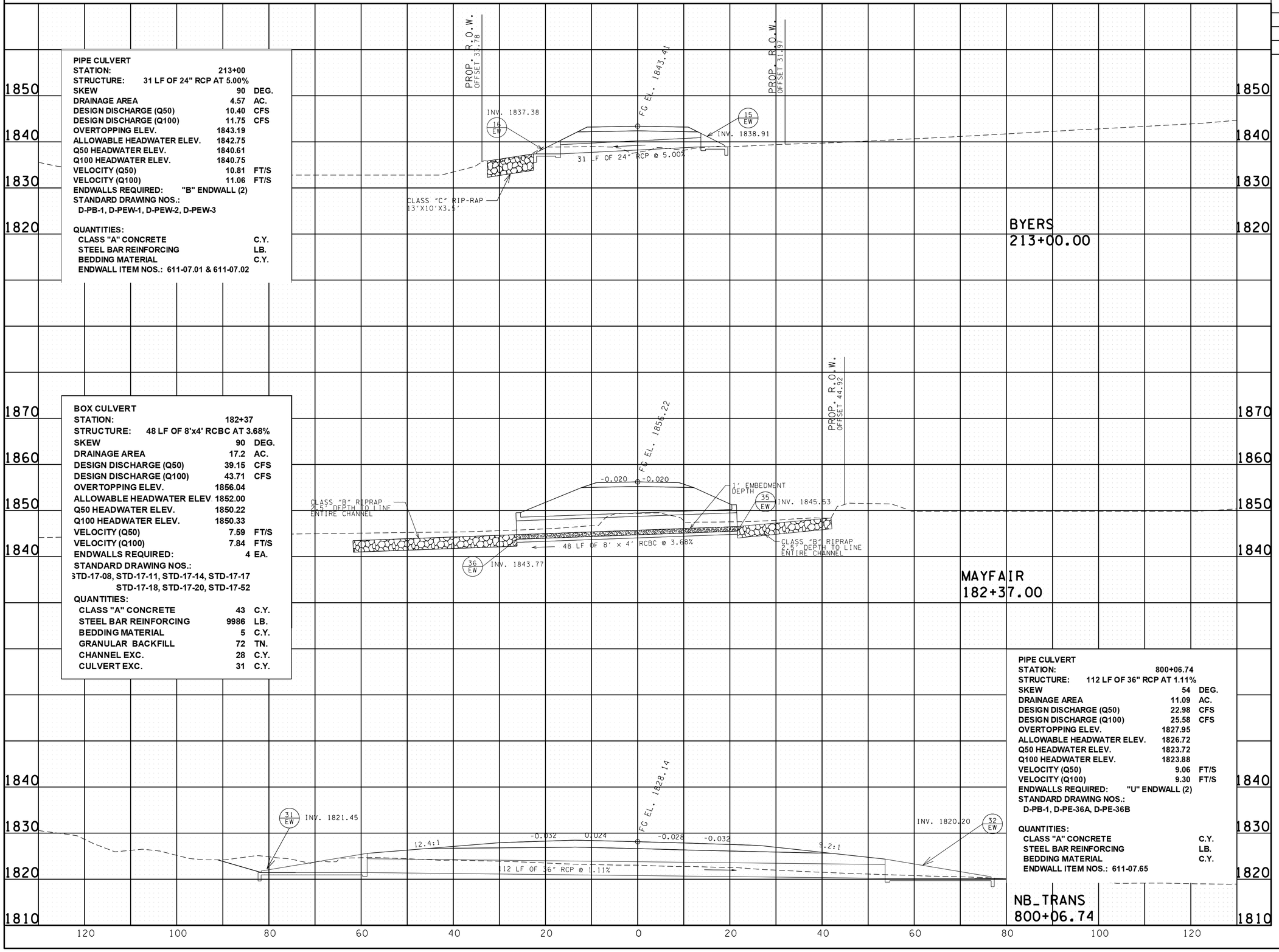
BOX CULVERT

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.



PIPE CULVERT

STATION:	800+06.74	
STRUCTURE:	112 LF OF 36" RCP AT 1.11%	
SKEW	54	DEG.
DRAINAGE AREA	11.09	AC.
DESIGN DISCHARGE (Q50)	22.98	CFS
DESIGN DISCHARGE (Q100)	25.58	CFS
OVERTOPPING ELEV.	1827.95	
ALLOWABLE HEADWATER ELEV.	1826.72	
Q50 HEADWATER ELEV.	1823.72	
Q100 HEADWATER ELEV.	1823.88	
VELOCITY (Q50)	9.06	FT/S
VELOCITY (Q100)	9.30	FT/S
ENDWALLS REQUIRED:	"U" ENDWALL (2)	

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

QUANTITIES:

CLASS "A" CONCRETE	C.Y.
STEEL BAR REINFORCING	LB.
BEDDING MATERIAL	C.Y.

ENDWALL ITEM NOS.: 611-07.65

PS&E FIELD REVIEW

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

SIDEROADS

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

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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%

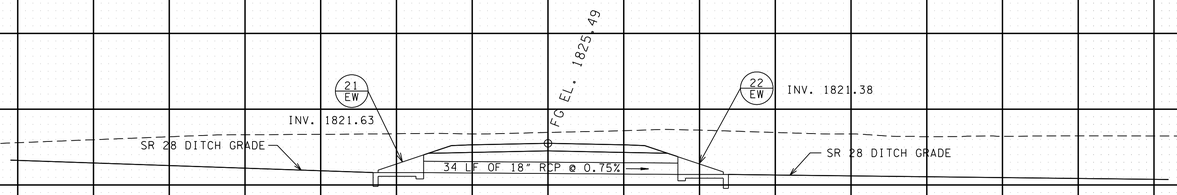
SKEW	90	DEG.
DRAINAGE AREA	1.91	AC.
DESIGN DISCHARGE (Q50)	4.27	CFS
DESIGN DISCHARGE (Q100)	4.80	CFS
OVERTOPPING ELEV.	1825.19	
ALLOWABLE HEADWATER ELEV.	1824.17	
Q50 HEADWATER ELEV.	1822.80	
Q100 HEADWATER ELEV.	1822.89	
VELOCITY (Q50)	5.06	FT/S
VELOCITY (Q100)	5.21	FT/S

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%

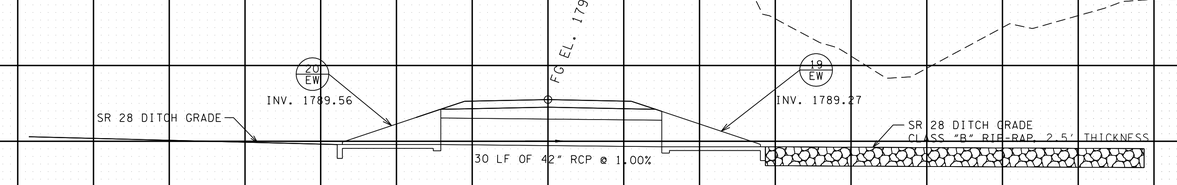
SKEW	90	DEG.
DRAINAGE AREA	46.22	AC.
DESIGN DISCHARGE (Q50)	53.04	CFS
DESIGN DISCHARGE (Q100)	60.40	CFS
OVERTOPPING ELEV.	1795.28	
ALLOWABLE HEADWATER ELEV.	1794.22	
Q50 HEADWATER ELEV.	1793.11	
Q100 HEADWATER ELEV.	1793.48	
VELOCITY (Q50)	9.48	FT/S
VELOCITY (Q100)	9.86	FT/S

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%

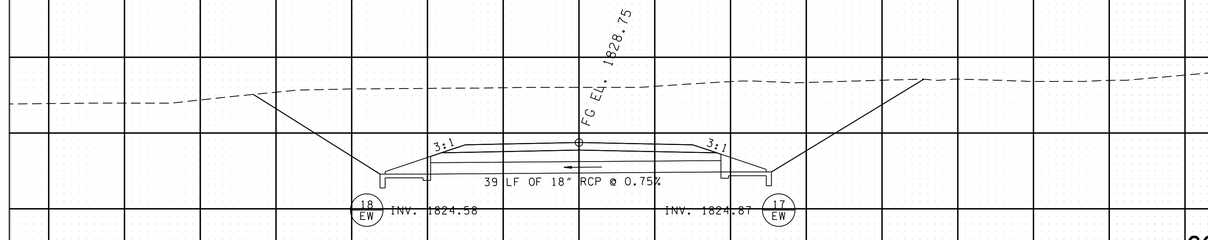
SKEW	90	DEG.
DRAINAGE AREA	1.72	AC.
DESIGN DISCHARGE (Q50)	4.32	CFS
DESIGN DISCHARGE (Q100)	4.85	CFS
OVERTOPPING ELEV.	1828.53	
ALLOWABLE HEADWATER ELEV.	1827.46	
Q50 HEADWATER ELEV.	1826.12	
Q100 HEADWATER ELEV.	1826.22	
VELOCITY (Q50)	2.76	FT/S
VELOCITY (Q100)	2.97	FT/S

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

1840 1830 1820 1810 1800 1790 1780

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

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

SIDEROADS

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

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

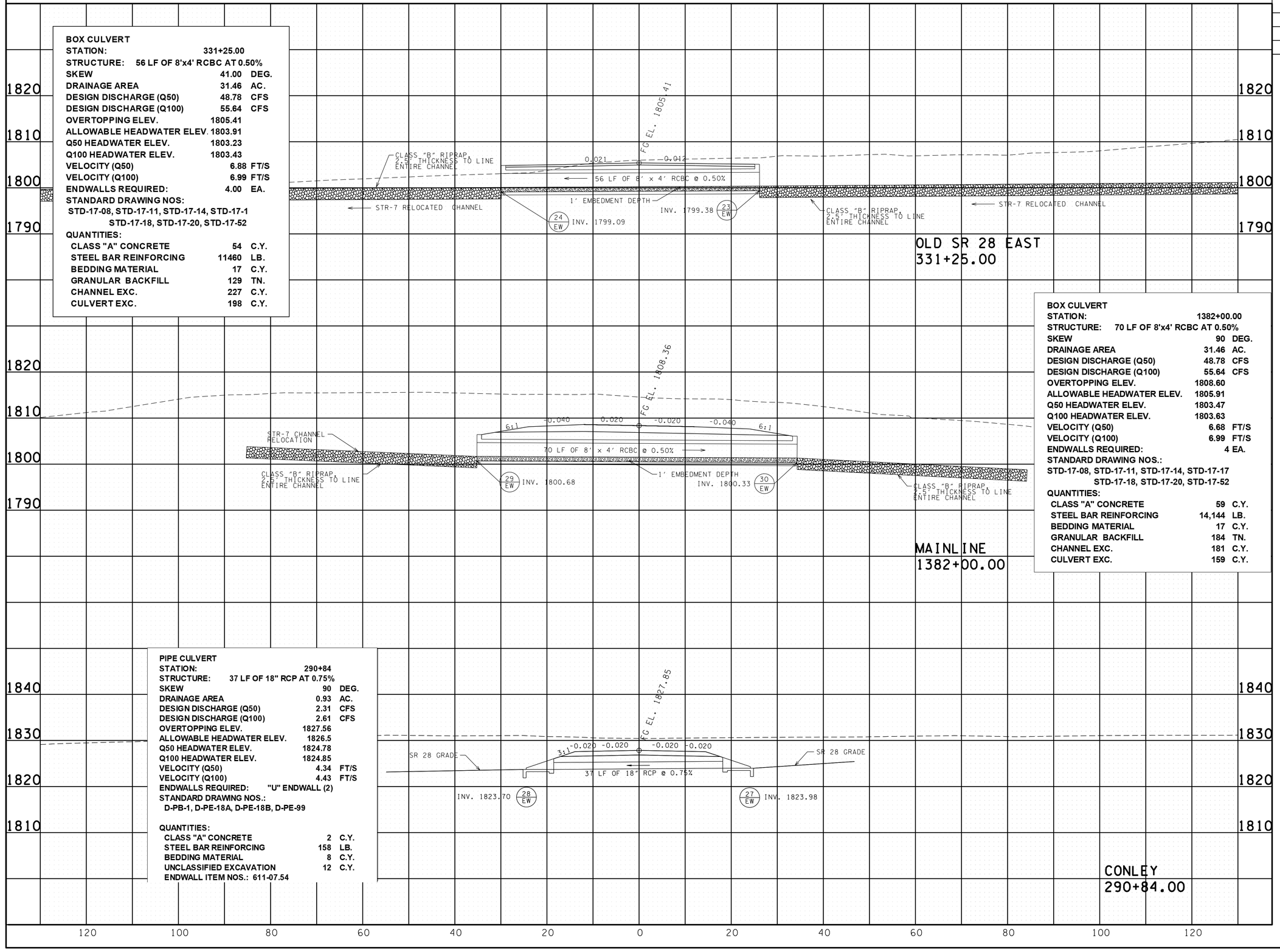
BOX CULVERT

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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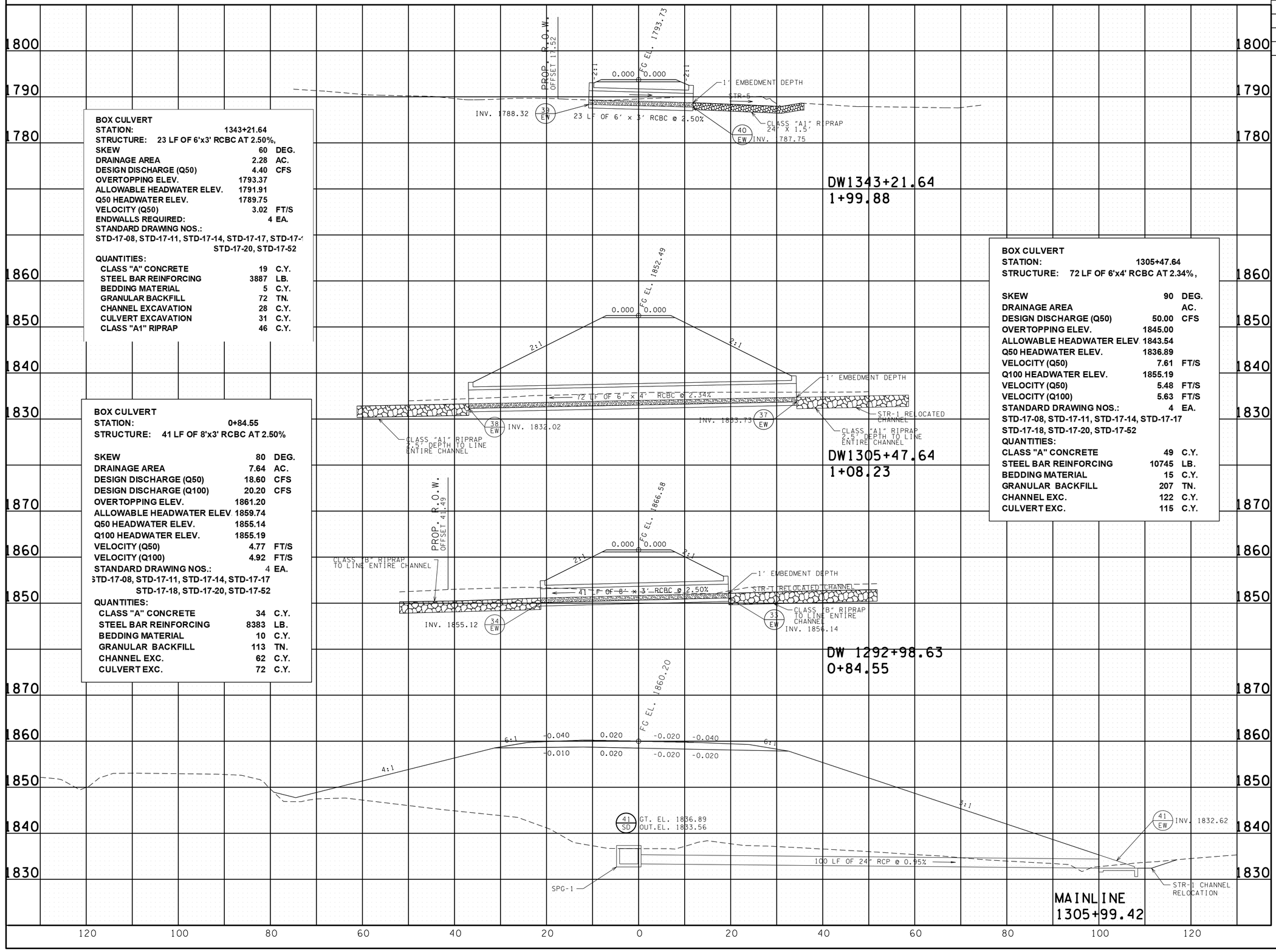
CULVERT SECTIONS

SIDEROADS

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

1/30/2026
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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.

PS&E
FIELD
REVIEW

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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

CULVERT SECTIONS

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

CELL MGRID
1/30/2026
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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	

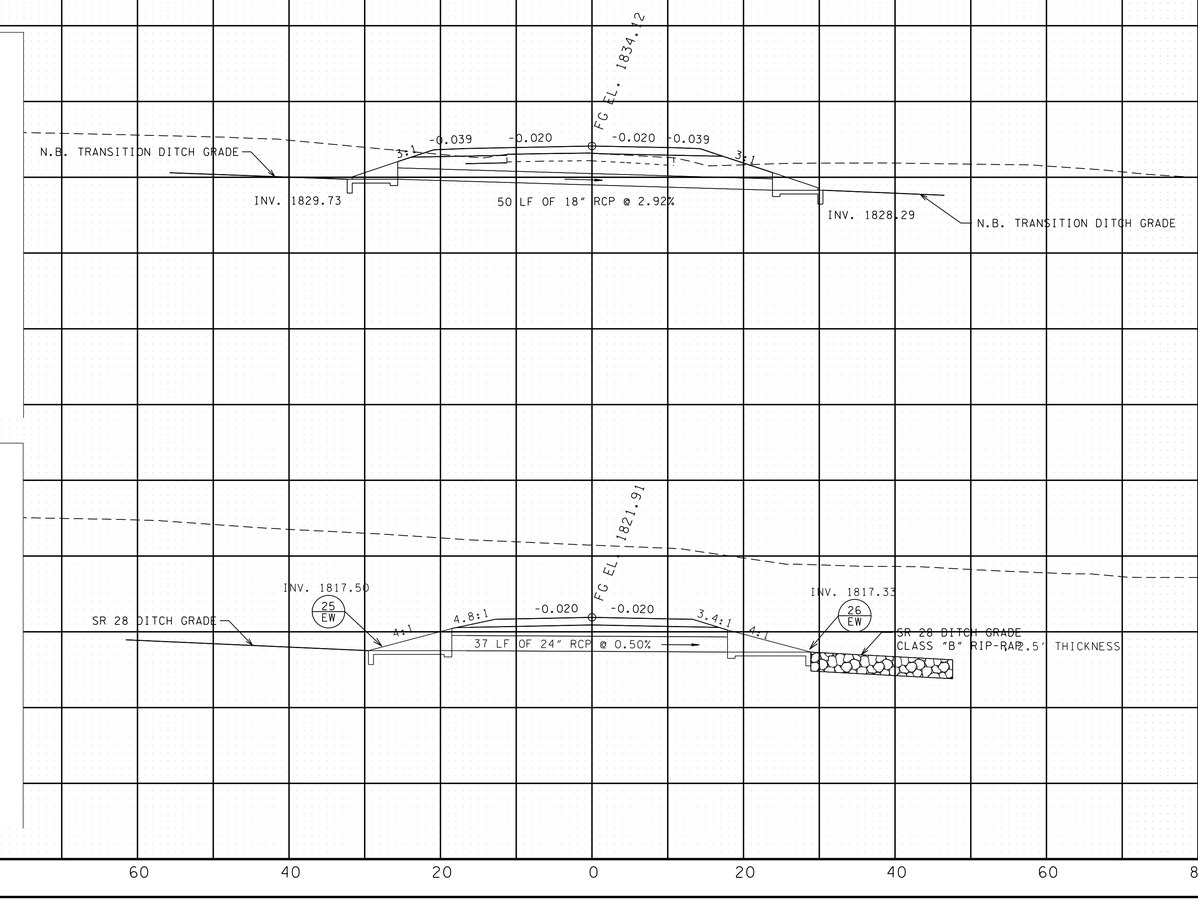
PIPE CULVERT

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	



CATOOSA
500+45.05

HOLLOW
310+90.06

PS&E
FIELD
REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

SIDEROADS

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

CELL MGRID
1/30/2026
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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 SFB SFB 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 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	1.36 AC.	5.6%
13	1.08 AC.	5.8%
14	0.78 AC.	4.7%
15	0.57 AC.	7.8%
16	1.41 AC.	6.3%
17	1.76 AC.	8.8%
18	1.60 AC.	4.6%
19	3.00 AC.	8.4%
20	0.30 AC.	3.9%
21	1.25 AC.	8.1%
22	1.30 AC.	6.3%
23	0.25 AC.	4.1%
24	1.45 AC.	4.0%
25	1.53 AC.	4.1%
26	1.21 AC.	2.2%
27	1.02 AC.	1.9%
28	6.15 AC.	2.3%
29	5.98 AC.	10.2%
30	0.87 AC.	23.4%
31	3.19 AC.	13.1%
32	3.40 AC.	9.9%
33	0.85 AC.	20.1%
33A	9.67	9.5%
34	2.67 AC.	3.2%
35	0.55 AC.	2.4%
36	0.60 AC.	2.6%
37	0.19 AC.	2.9%
38	0.97 AC.	3.0%
39	1.14 AC.	6.5%
40	0.25 AC.	12.4%
41	0.71 AC.	8.2%
42	8.86 AC.	2.4%
43	2.92 AC.	1.9%

STAGE 2 & 3 OUTFALL TABULATION

OUTFALL	AREA	SLOPE
44	1.11 AC.	3.2%
45	3.23 AC.	4.9%
46	0.12 AC.	9.6%
47	2.33 AC.	3.7%
48	0.25 AC.	10.0%
49	0.28 AC.	9.1%
50	3.70 AC.	1.9%
51	0.71 AC.	5.2%
52	3.91 AC.	2.8%
53	1.72 AC.	1.7%
54	1.00 AC.	8.9%
55	0.81 AC.	6.4%
56	0.21 AC.	6.9%
57	0.70 AC.	3.9%
58	0.63 AC.	3.5%
59	4.23 AC.	14.1%
60	4.29 AC.	3.7%
61	1.90 AC.	5.8%
62	2.68 AC.	3.7%
62A	3.22 AC.	7.4%
62B	4.07 AC.	3.8%
63	2.83 AC.	3.3%
64	0.68 AC.	8.1%
65	1.28 AC.	5.1%
66	2.13 AC.	4.1%
67	1.28 AC.	4.0%
68	0.04 AC.	4.1%
69	0.04 AC.	5.0%
70	1.43 AC.	8.8%
71	5.22 AC.	4.2%
71A	2.93 AC.	6.0%
71B	0.47 AC.	5.6%
71C	0.03 AC.	15.0%
72	5.47 AC.	3.4%
72A	7.31 AC.	15.4%
72B	0.21 AC.	8.9%
73	6.35 AC.	28.4%
74	2.05 AC.	26.7%
75	7.02 AC.	30.6%
76	0.83 AC.	5.4%
77	0.66 AC.	3.3%
78	1.03 AC.	2.5%
79	1.55 AC.	2.7%
80	2.13 AC.	3.6%
81	1.84 AC.	3.4%

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.	80			80
(1)(2)	209-05	SEDIMENT REMOVAL	C.Y.	3020			3020
(1)(2)(3)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	58177	37795	30729	126701
(1)(2)	209-08.07	ROCK CHECK DAM PER	EACH	217	507	14	738
(1)(2)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	49	49	8	106
(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	193	657	75	925
(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)	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	11806	2887	1709	16402
(1)(2)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	450	50		500
(1)(2)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	1483	3683	96	5262
(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.	3746	11207	370	15323
(1)(2)	805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.		74230		74230

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.

PS&E FIELD REVIEW

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

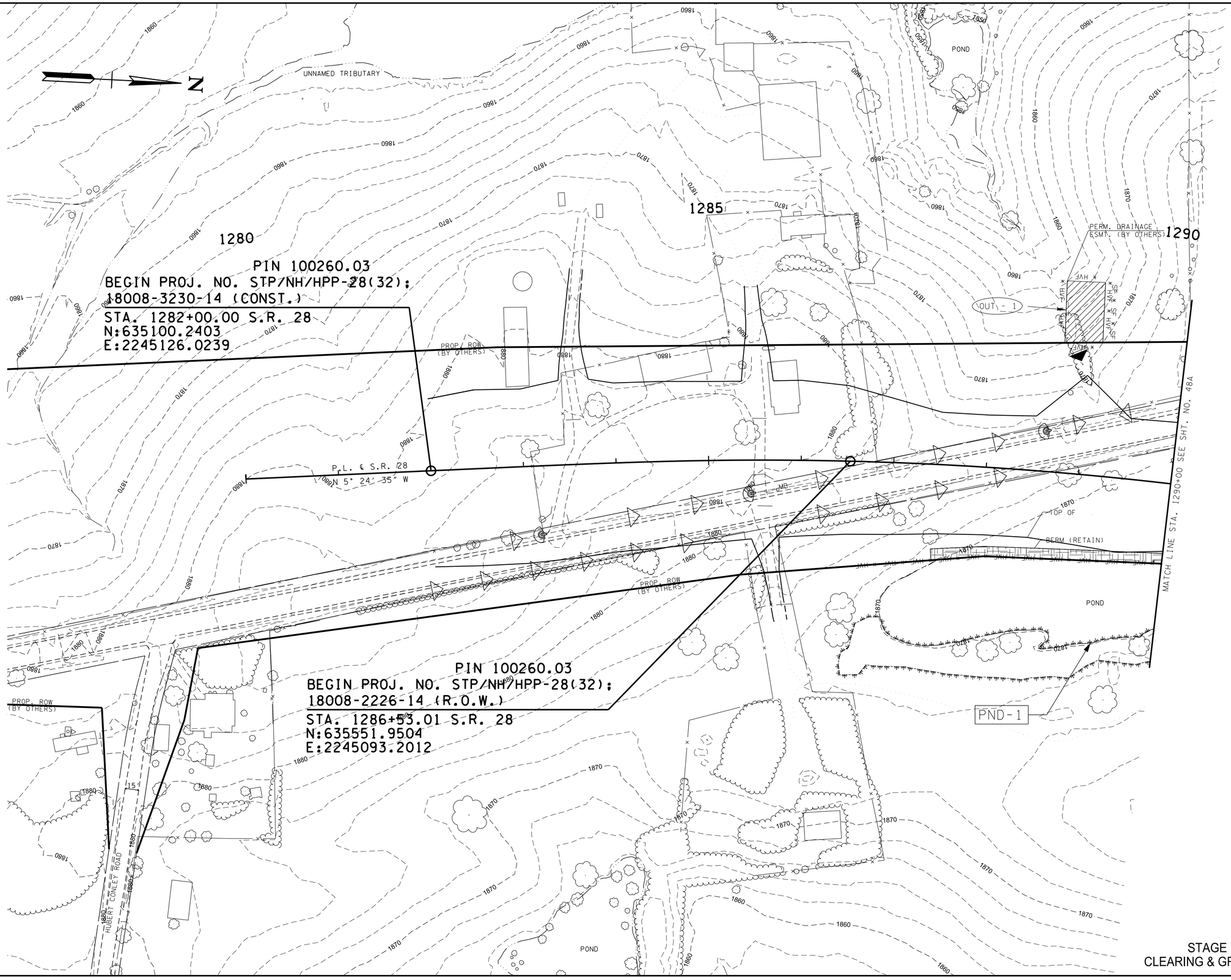
EROSION PREVENTION & SEDIMENT CONTROL (EPSC) NOTES

IB-17-08

1/30/2026

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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



STAGE 1 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
1	0.95 AC.	4.5%

EXISTING CONTOURS SHOWN

PS&E FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE I
CLEARING & GRUBBING

1/30/2026
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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

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. 48

MATCH LINE STA. 1303+00 SEE SHT. NO. 48B

P.L. ℄ S.R. 28
N 5° 13' 11" E

P.L. ℄ S.R. 28 (US-127)

PROP. ROW (BY OTHERS)

MAYFAIR DR.

UNNAMED TRIBUTARY

PERM. DRAINAGE ESMT.

POND

22'

CURB

WTL3

WTL-1

WTL-2

WTL-3

RND-1

STR-1

STR-1

OUT - 2

OUT - 3

OUT - 4

OUT - 5

OUT - 6

POND-2

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

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE I
CLEARING & GRUBBING

1/30/2026
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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

N

1305

1310

1315

PASTURE

GRASS

POND

OUT - 7

OUT - 8

OUT - 9

OUT - 10

TEMP. CONST. ESMT.

SR 28 (US 127)

P.L. ℄ S.R. 28

P.L. ℄ S.R. 28
N 5° 13' 11" E

SPG-1

STR-1

STR-2

STR-3

WTL-3

PERM. DRAINAGE ESMT.

GRAVEL DRIVE

MATCH LINE STA. 1303+00 SEE SHT. NO. 48A

MATCH LINE STA. 1316+00 SEE SHT. NO. 48C

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

PS&E FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE I
CLEARING & GRUBBING

1/30/2026
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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.

N

STAGE 1 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
11	3.31 AC.	4.6%
12	1.36 AC.	5.6%

EXISTING CONTOURS SHOWN

OUT - 11

OUT - 12

PND-3

PND-4

POND

TEMP. CONST. ESMT.

UNNAMED TRIBUTARY

PASTURE

GRASS

1320

1325

215

P.L. & BYERS N 84° 16' 49" E 1315.41'

BYERS LINE

P.L. & S.R. 28 N 5° 13' 18" E

P.L. & S.R. 28 N 12° 58' 58" W

MATCH LINE STA. 1316+00 SEE SHT. NO. 48D

MATCH LINE STA. 1329+00 SEE SHT. NO. 48D

SR 28 (US-127)

GOSS ROAD

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

STAGE I
CLEARING & GRUBBING

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

1/30/2026
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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
13	1.08 AC.	5.8%
14	0.78 AC.	4.7%
15	0.57 AC.	7.8%
16	1.41 AC.	6.3%
17	1.76 AC.	8.8%
18	1.60 AC.	4.6%
19	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

PND-5
WTL-3A
STR-4
NO BUSINESS CREEK
TEMP. CONST. ESMT.
PERM. DRAINAGE EASEMENT
EXIST. GUARDRAIL (RETAIN)
TOP OF BANK
TOP OF CUT
POND
SOD
PASTURE
GABIONS
TYPE 38
OUT - 13
OUT - 14
OUT - 15
OUT - 16
OUT - 17
OUT - 18
OUT - 19
TO BE REMOVED
MATCH LINE STA. 1329+00 SEE SHT. NO. 48C
MATCH LINE STA. 1342+00 SEE SHT. NO. 48E
P.I. ℄ RECTOR
P.I. ℄ GOSS ROAD
P.I. ℄ OLD S.R. 28
℄ S.R. 28
GOSS ROAD
HENLINE ROAD
N 12° 58' 58" W
N 47° 01' 02" E
S 85° 05' 32" E
N 3° 38' 36" W
N 8° 25' 13" E
S 64° 42' 13" W
N 31° 02' 05" W
340+13.72
194.18
340+27.50
186.99
1330
1335
1340
230
305
245
66

PS&E
FIELD
REVIEW

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'

STAGE I
CLEARING & GRUBBING

1/30/2026
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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.

N

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

P.I. LELAND PRYOR
N 46° 11' 38" E

P.I. S.R. 28
N 87° 01' 16" E

P.B. & S.R.28
N 0° 55' 36" W

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

TEMP. CONST. ESMT.

WWC-1/UDF-1

WTL-4

STR-5

OUT - 20

OUT - 21

NO BUSINESS CREEK

SR 28 (US-127)

TOP OF CUT

GRASS

MATCH LINE STA. 1342+00 SEE SHT. NO. 48D

MATCH LINE STA. 1355+00 SEE SHT. NO. 48F

STAGE 1 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
20	0.30 AC.	3.9%
21	1.25 AC.	8.1%

EXISTING CONTOURS SHOWN

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE
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EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE I
CLEARING & GRUBBING

1/30/2026
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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
22	1.30 AC.	6.3%
23	0.25 AC.	4.1%
24	1.45 AC.	4.0%
25	1.53 AC.	4.1%

EXISTING CONTOURS SHOWN

N

1355

1360

1365

275

P.I. ℄ CLEAR CREEK ROAD

S 8° 55' 40" E

CLEAR CREEK ROAD

WTL-6

OUT - 22

OUT - 23

OUT - 24

OUT - 25

SR 28 (US-127)

MBMB

S 84° 11' 58" E

P.I. ℄ S.R. 28

N 6° 55' 21" E

P.I. ℄ S.R. 28

N 0° 58' 36" W

PASTURE

OBSCURED

WELL

UPPER ROAD

TEMP. CONST. ESMT.

UNNAMED TRIBUTARY

STR-6

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

MATCH LINE STA. 1355+00 SEE SHT. NO. 48E

MATCH LINE STA. 1367+50 SEE SHT. NO. 48G

STAGE I
CLEARING & GRUBBING

PS&E FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

1/30/2026
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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

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

LAKE

PASTURE

STR - 7

OUT - 26

SR 28 (US-127)

TOP OF CUT

POND

CONLEY ROAD

P.L. ℄ S.R. 28
N 0° 58' 36" W

P.L. ℄ S.R. 28
N 15° 00' 56" W

P.L. ℄ CONLEY ROAD
N 79° 24' 06" E

MATCH LINE STA. 1367+50 SEE SHT. NO. 48F

MATCH LINE STA. 1380+50 SEE SHT. NO. 48H

STAGE 1 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
26	1.21 AC.	2.2%

EXISTING CONTOURS SHOWN

PS&E FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE I
CLEARING & GRUBBING

1/30/2026
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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.

N

TEMP. CONST. ESMT.

P.I. OLD SR 28 WEST
S 34° 44' 11" E

1385

1390

WICKFORK CREEK HAUL RD. SOUTH
STA. 2+00.00 ℄
N 646012.2050
E 2244434.1460

RND - 6

STR-7

N 15° 38' 45" W

POND

MATCH LINE STA. 1380+50 SEE SHT. NO. 48G

MATCH LINE STA. 1393+00 SEE SHT. NO. 48I

P.I. ℄ S.R. 28
N 15° 00' 56" W

WTL - 7

UNNAMED TRIBUTARY

WTL - 8

TOP OF CHANNEL

P.I. ℄ OLD SR 28 EAST
N 12° 28' 09" E

N 15° 38' 36" E

OUT - 27

OUT - 28

OUT - 29

TEMP. CONST. ESMT.

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

OLD S.R. 28

STR-7

STAGE 1
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
27	1.02 AC.	1.9%
28	6.15 AC.	2.3%
29	5.98 AC.	10.2%

EXISTING CONTOURS SHOWN

PS&E FIELD REVIEW

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SCALE: 1"= 50'

STAGE I
CLEARING & GRUBBING

1/30/2026
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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 F
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
30	0.87 AC.	23.4%
31	3.19 AC.	13.1%
32	3.40 AC.	9.9%
33	0.85 AC.	20.1%
33A	9.67AC.	9.5%

EXISTING CONTOURS SHOWN

PS&E FIELD REVIEW

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EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE I
CLEARING & GRUBBING

1/30/2026
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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

N

1410

1415

2.6745 ac

3.40 AC

PND-8

PND-9

WTL-9

STR-9

WTL-9a

WWC-2/UDF-2

OUT - 34

TEMP. CONST. ESMT.

WELL NO INFORMATION ON WELL.

POND

POND

POND

METAL

SR 28 (US-127)

(RETAIN)

P.L. & S.R. 28
N 31° 29' 26" E

TOP OF CUT

TOP OF \CUT

20" APPLE

36"WALNUT

24"SPRUCE

36"MAPLE

CYPRESS

MATCH LINE STA. 1406+00 SEE SHT. NO. 48J

MATCH LINE STA. 1419+00 SEE SHT. NO. 48L

STAGE I
CLEARING & GRUBBING

STAGE 1 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
34	2.67 AC.	3.2%

EXISTING CONTOURS SHOWN

PS&E FIELD REVIEW

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DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

1/30/2026
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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

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

P.I. ℄ S.R. 28
N 31° 29' 26" E

P.I. ℄ HOLLOW
S 2° 58' 45" W

S 58° 30' 34" E

MATCH LINE STA. 1419+00 SEE SHT. NO. 48K

MATCH LINE STA. 1431+50 SEE SHT. NO. 48M

STAGE 1 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
35	0.55 AC.	2.4%
36	0.60 AC.	2.6%
37	0.19 AC.	2.9%
38	0.97 AC.	3.0%
39	1.14 AC.	6.5%
40	0.25 AC.	12.4%

EXISTING CONTOURS SHOWN

PS&E FIELD REVIEW

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STATE OF TENNESSEE
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EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE I
CLEARING & GRUBBING

1/30/2026
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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

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-2227-14 (R.O.W.)
STA. 431+58.63
N 649538.2364
E 2246172.8982

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-3229-14 (CONST.)
STA. 432+00.00
N 649573.5140
E 2246194.5083

N.B. TRANSITION STA. 801+87.69 =
CATOOSA STA. 500+00.00
N 649716.2439
E 2246300.7545

OUT - 41
OUT - 42
OUT - 43
POND
1435
1440
500
P.L. & N.B. TRANSITION
N 19° 20' 28" E
P.L. & S.R. 28
N 31° 29' 26" E
PRES. ROW & PROP. (C.A.) FENCE (BY OTHERS)
PROP. ROW (C.A.) & FENCE (BY OTHERS)
CATOOSA RIVER DRIVE
S 71° 29' 08" E
S 74° 34' 47" E
PROP. ROW (BY OTHERS)
WTL-12
MATCH LINE STA. 1431+50 SEE SHT. NO. 48L

N.B. TRANSITION STA. 800+00.00 =
S.R. 28 CONST. ℄ STA. 1431+92.60
N: 649554.7127
E: 2246225.2088

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

NOTE: WTL-12 ON 100260.03 IS WTL-1 ON 100260.04

STAGE 1 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
41	0.71 AC.	8.2%
42	8.86 AC.	2.4%
43	2.92 AC.	1.9%

EXISTING CONTOURS SHOWN

STAGE I
CLEARING & GRUBBING

PS&E FIELD REVIEW

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STATE OF TENNESSEE
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EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

1/30/2026
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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

UNNAMED TRIBUTARY

POND

1280

1285

1290

PERM. DRAINAGE ESMT. (BY OTHERS)

OUT - 44

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)

P.L. ℄ S.R. 28
N 5° 24' 35" W

MATCH LINE STA. 1290+00 SEE SHT. NO. 49A

TOP OF

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

PROP. ROW (BY OTHERS)

HUBERT CONLEY ROAD

PND-1

POND

POND

STAGE II
INTERMEDIATE GRADING

STAGE 2
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
44	1.11 AC.	3.2%

----	EXISTING CONTOURS
———	PROPOSED CONTOURS

PS&E FIELD REVIEW

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SCALE: 1"= 50'

1/30/2026
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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

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

PROP. ROW (BY OTHERS)

P.L. & S.R. 28

P.L. & S.R. 28
N 5° 13' 11" E

MATCH LINE STA. 1290+00 SEE SHT. NO. 49

MATCH LINE STA. 1303+00 SEE SHT. NO. 49B

BEGIN PROPOSED STR-1 CHANNEL RELOCATION STA. 1290+80.86

BEGIN 1292+49.95

STR-1

OUT - 45
PERM. DRAINAGE ESMT.

END 1294+39.00
END PROPOSED STR-1 CHANNEL RELOCATION STA. 1294+32.44

MAYFAIR DR.

STR-1

OUT - 46
POND
BEGIN 1299+21.03

OUT - 47

PND-2

BEGIN PROPOSED STR-1 CHANNEL RELOCATION STA. 1299+25.41

TOE OF FILL

BEGIN PROPOSED STR-1 CHANNEL RELOCATION STA. 1302+20.86

BEGIN 1302+08.03

OUT - 48

146' 36" TEMP PIPE

END 1300+48.22

PERM. DRAINAGE ESMT.

OUT - 49

END PROPOSED STR-1 CHANNEL RELOCATION STA. 1300+33.33

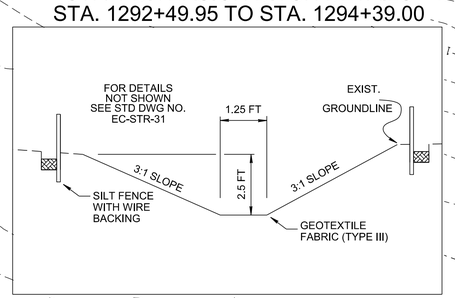
WTL-3

CURB

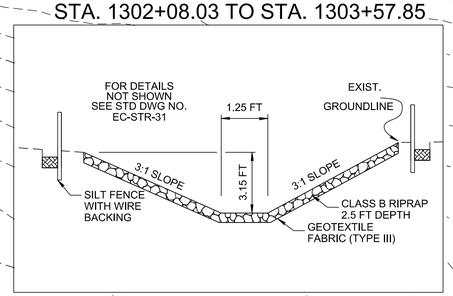
S 84° 46' 49" W 1288.62'

N 5° 13' 11" E 1274.78'

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



STAGE II
INTERMEDIATE GRADING

STAGE 2 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
45	3.23 AC.	4.9%
46	0.12 AC.	9.6%
47	2.33 AC.	3.7%
48	0.25 AC.	10.0%
49	0.28 AC.	9.1%

----	EXISTING CONTOURS
———	PROPOSED CONTOURS

PS&E FIELD REVIEW

SEALED BY

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EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

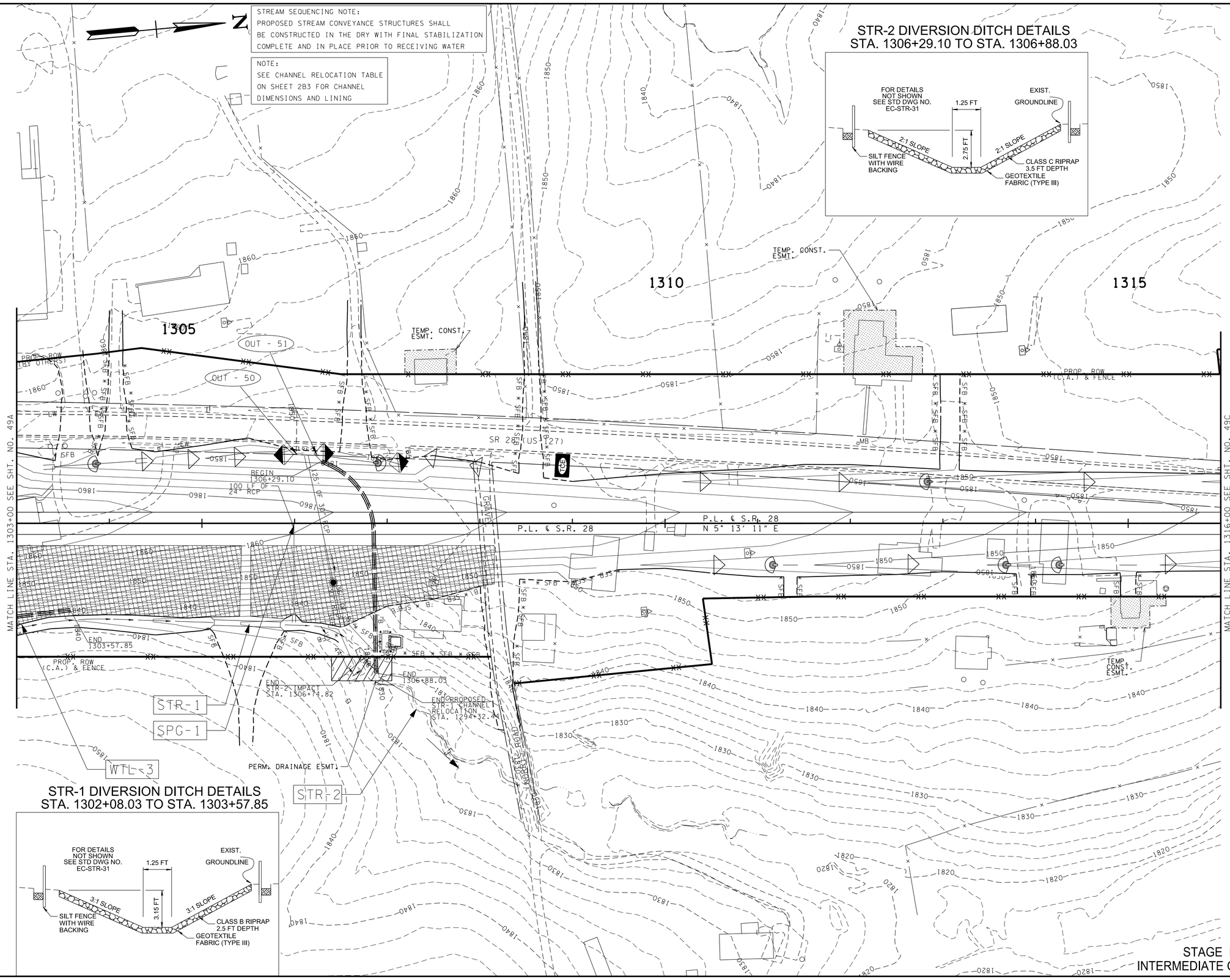
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	49B
PIH	2026	STP/NH/HPP-28(32)	49B
PS&E	2026	STP/NH/HPP-28(32)	49B

STREAM SEQUENCING NOTE:
PROPOSED STREAM CONVEYANCE STRUCTURES SHALL BE CONSTRUCTED IN THE DRY WITH FINAL STABILIZATION COMPLETE AND IN PLACE PRIOR TO RECEIVING WATER

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

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 2 OUTFALL TABULATION

OUTFALL	AREA	SLOPE
50	3.70 AC.	1.9%
51	0.71 AC.	5.2%

-----	EXISTING CONTOURS
———	PROPOSED CONTOURS

PS&E FIELD REVIEW

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'

STAGE II
INTERMEDIATE GRADING

1/30/2026
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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.

N

MATCH LINE STA. 1316+00 SEE SHT. NO. 49B

MATCH LINE STA. 1329+00 SEE SHT. NO. 49D

BYERS LINE

P.L. ℄ S.R. 28 N 5° 13' 11" E

P.L. ℄ S.R. 28 N 12° 58' 58" W

SR 28 (US-127)

PROP. ROW (C.A.) & FENCE

PND-3

PND-4

POND

OUT - 52

OUT - 53

OUT - 54

TEMP. CONST. ESMT.

UNNAMED TRIBUTARY

1320

1325

215

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

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

STAGE 2 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
52	3.91 AC.	2.8%
53	1.72 AC.	1.7%
54	1.00 AC.	8.9%

-----	EXISTING CONTOURS
———	PROPOSED CONTOURS

PS&E
FIELD
REVIEW

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

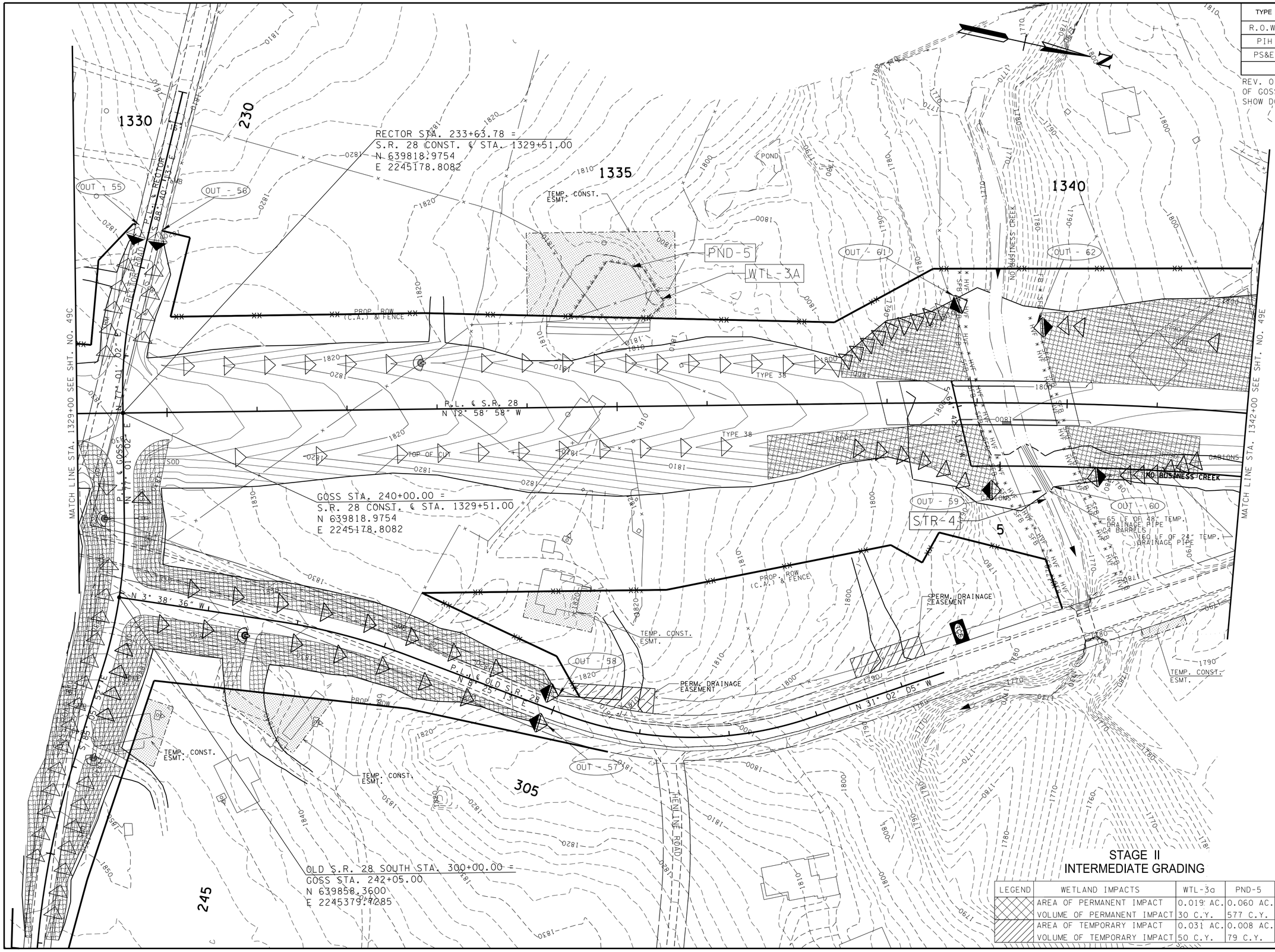
EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

1/30/2026
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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.



STAGE 2 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
55	0.81 AC.	6.4%
56	0.21 AC.	6.9%
57	0.63 AC.	3.9%
58	0.70 AC.	3.5%
59	4.23 AC.	14.1%
60	4.29 AC.	3.7%
61	2.68 AC.	3.7%
62	3.22 AC.	7.4%

----	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.

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

1/30/2026
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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.

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

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

P.L. ℄ S.R. 28
N 0° 55' 36" W

MATCH LINE STA. 1342+00 SEE SHT. NO. 49D

MATCH LINE STA. 1355+00 SEE SHT. NO. 49F

NO BUSINESS CREEK

SR 28 (US-127)

LELAND PRYOR ROAD

TEMP. CONST. ESMT.

PROP. ROW (C.A.) & FENCE

OUT - 62A

OUT - 62B

OUT - 63

WWC-1/UDF-1

WTL-4

BEGIN 1344+04.14

END 1342+79.20

STAGE 2 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
62A	3.22 AC.	7.4%
62B	4.07 AC.	3.8%
63	2.83 AC.	3.3%

----	EXISTING CONTOURS
———	PROPOSED CONTOURS

PS&E FIELD REVIEW

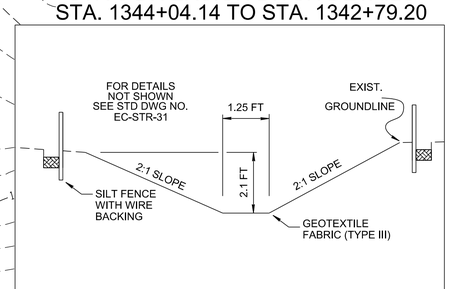
SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
SCALE: 1"= 50'

STR-5 DIVERSION DITCH DETAILS
STA. 1344+04.14 TO STA. 1342+79.20



STREAM SEQUENCING NOTE:
PROPOSED STREAM CONVEYANCE STRUCTURES SHALL BE CONSTRUCTED IN THE DRY WITH FINAL STABILIZATION COMPLETE AND IN PLACE PRIOR TO RECEIVING WATER

STAGE II
INTERMEDIATE GRADING

1/30/2026
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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

N

1355 1360 1365

P.I. ℄ CLEAR CREEK ROAD
S 84° 55' 40" E

CLEAR CREEK ROAD

WTL-6

WELL

OUT - 65 OUT - 67 OUT - 64 OUT - 66

PROP. ROW (C.A.) & FENCE

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

END PROPOSED STR-6 CHANNEL RELOCATION STA. 1360+32.14

BEGIN PROPOSED STR-6 CHANNEL RELOCATION STA. 1360+42.01

SR 28 (US-127)

MBMB

S 84° 11' 52" E

BEGIN 1360+45.29

FUTURE S.R. 28

P.I. ℄ S.R. 28
N 6° 55' 21" E

P.I. ℄ S.R. 28
N 0° 55' 36" W

UPPER ROAD

MATCH LINE STA. 1355+00 SEE SHT. NO. 49E

MATCH LINE STA. 1367+50 SEE SHT. NO. 49G

TOE OF FILL

TEMP. CONST. ESMT.

END 1358+25.59

WTL-5

STR-6

PROP. ROW (C.A.) & FENCE

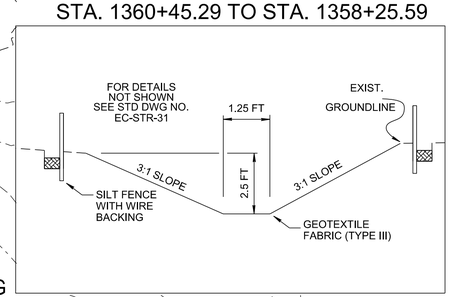
℄ CLEARCREEK STA. 278+84.79
S.R. 28 CONST. ℄ STA. 1355+80.00
N 642417.6422
E 2244888.5095

UNNAMED TRIBUTARY

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
64	0.68 AC.	8.1%
65	1.28 AC.	5.1%
66	2.13 AC.	4.1%
67	1.28 AC.	4.0%

----	EXISTING CONTOURS
———	PROPOSED CONTOURS

PS&E
FIELD
REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

1/30/2026
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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

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

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

PROP. ROW (C.A.) & FENCE

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

TOP OF CUT

TOE OF FILL

POND

OUT - 68

OUT - 69

MATCH LINE STA. 1367+50 SEE SHT. NO. 49F

MATCH LINE STA. 1380+50 SEE SHT. NO. 49H

STAGE II
INTERMEDIATE GRADING

STAGE 2
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
68	0.04 AC.	4.1%
69	0.04 AC.	5.0%

-----	EXISTING CONTOURS
———	PROPOSED CONTOURS

PS&E FIELD REVIEW

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STATE OF TENNESSEE
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EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

1/30/2026
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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	POND-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.

STAGE 2
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
70	1.43 AC.	8.8%
71	5.22 AC.	4.2%
71A	2.93 AC.	6.0%
71B	0.47 AC.	5.6%
71C	0.03 AC.	15.0%
72	5.47 AC.	3.4%
72A	7.31 AC.	15.4%
72B	0.21 AC.	8.9%

-----	EXISTING CONTOURS
———	PROPOSED CONTOURS

PS&E FIELD REVIEW

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STATE OF TENNESSEE
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EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

BEGIN PROPOSED STR-7 CHANNEL RELOCATION STA. 1381+41.21

BEGIN 1381+41.64

END 1383+23.56

STR-7

END PROPOSED STR-7 CHANNEL RELOCATION STA. 1384+61.65

END PROPOSED STR-7 CHANNEL RELOCATION STA. 1384+74.26

TEMP. CONST. ESMT.

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

P.L. & OLD SR 28 WEST N 74° 59' 04" E

P.L. & S.R. 28 N 15° 00' 56" W

P.L. & OLD SR 28 EAST N 74° 59' 04" E

N 10° 39' 36" E

N 38° 45" W

WICKFORK CREEK HAUL RD. SOUTH
STA. 2+00.00 =
N 646012.2050
E 2244434.1460

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

MATCH LINE STA. 1380+50 SEE SHT. NO. 49G

MATCH LINE STA. 1393+00 SEE SHT. NO. 49J

OUT - 70

OUT - 71

OUT - 71A

OUT - 71B

OUT - 71C

OUT - 72

OUT - 72A

OUT - 72B

POND

RND-6

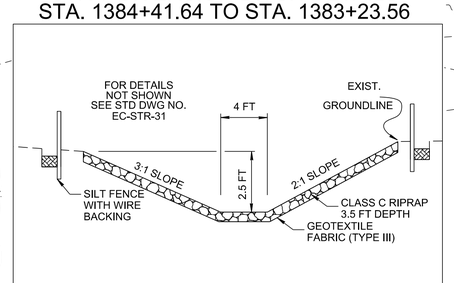
WTL-7

WTL-8

1385

1390

STR-7 DIVERSION DITCH DETAILS
STA. 1384+41.64 TO STA. 1383+23.56



STREAM SEQUENCING NOTE:
TEMPORARY DIVERSION DITCH TO REMAIN IN PLACE UNTIL TEH PROPOSED DRAINAGE FACILITIES ARE FULLY STABILIZED

STAGE II
INTERMEDIATE GRADING

1/30/2026
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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.

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 2 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
73	6.35 AC.	28.4%
74	2.05 AC.	26.7%
75	7.02 AC.	30.6%

-----	EXISTING CONTOURS
———	PROPOSED CONTOURS

PS&E FIELD REVIEW

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EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE II INTERMEDIATE GRADING

LEGEND	POND IMPACTS	POND-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.

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-----	EXISTING CONTOURS
———	PROPOSED CONTOURS

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	POND-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

N

PND-8

TEMP. CONST. ESMT.

WTL-9

STR-9

1410

1415

NO INFORMATION ON WELL.

WELL

METAL

POND

PROP. ROW (C.A.) & FENCE

SR 28 (US-127)

P.L. & S.R. 28
N 31° 29' 26" E

MATCH LINE STA. 1406+00 SEE SHT. NO. 49J

MATCH LINE STA. 1419+00 SEE SHT. NO. 49L

-----	EXISTING CONTOURS
———	PROPOSED CONTOURS

PS&E FIELD REVIEW

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE II
INTERMEDIATE GRADING

1/30/2026
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STREAM SEQUENCING NOTE:
TEMPORARY DIVERSION DITCH TO REMAIN IN PLACE UNTIL TEH PROPOSED DRAINAGE FACILITIES ARE FULLY STABILIZED

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

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

STR-10
SPG-2
STR-11
STR-12
WTL-11
WTL-12

1420
1425
1430

POND

PROP. ROW (C.A.) & FENCE

58' OF 4'x4' RCBC (RETAIN)

BEGIN PROPOSED STR-11 CHANNEL RELOCATION STA. 1421+09.39

BEGIN 1421+10.95

END PROPOSED STR-11 CHANNEL RELOCATION STA. 1421+24.38

BEGIN PROPOSED STR-12 CHANNEL RELOCATION STA. 1427+71.09

BEGIN 1426+75.41

END 1422+35.28

END 1424+39.49

OUT - 76
OUT - 77
OUT - 78
OUT - 79

P.I. ℄ S.R. 28
N 31° 29' 26" E

END PROPOSED STR-12 CHANNEL RELOCATION STA. 1424+44.26

P.I. ℄ HOLLOW LANE
S 58° 30' 34" W

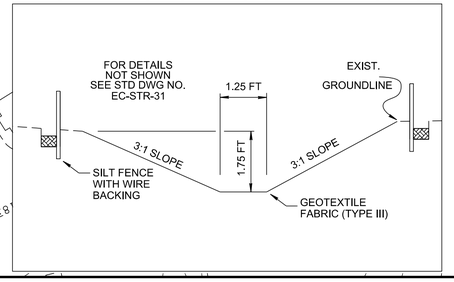
SR 28 (US-127)

HOLLOW LANE

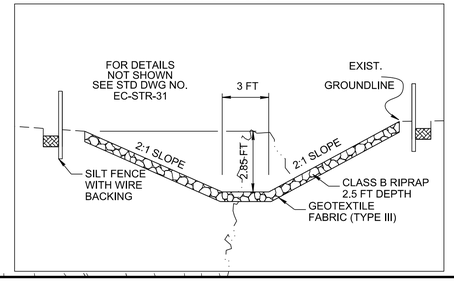
MATCH LINE STA. 1419+00 SEE SHT. NO. 49K

MATCH LINE STA. 1431+50 SEE SHT. NO. 49M

STR-12 DIVERSION DITCH DETAILS
STA. 1426+75.41 TO STA. 1424+39.49



STR-11 DIVERSION DITCH DETAILS
STA. 1421+10.95 TO STA. 1422+35.28



STAGE II
INTERMEDIATE GRADING

STAGE 2 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
76	0.83 AC.	5.4%
77	0.66 AC.	3.3%
78	1.03 AC.	2.5%
79	1.55 AC.	2.7%

-----	EXISTING CONTOURS
———	PROPOSED CONTOURS

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

1/30/2026
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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

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-2227-14 (R.O.W.)
STA. 431+58.63
N 649538.2364
E 2246172.8982

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-3229-14 (CONST.)
STA. 432+00.00
N 649573.5140
E 2246194.5083

N.B. TRANSITION STA. 801+87.69 =
CATOOSA STA. 500+00.00
N 649716.2439
E 2246300.7545

N.B. TRANSITION STA. 800+00.00 =
S.R. 28 CONST. ℄ STA. 1431+92.60
N: 649554.7127
E: 2246225.2088

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:6505119.9000
E:2246811.5563

STAGE 2 OUTFALL TABULATION		
OUTFALL	AREA	SLOPE
80	2.13 AC.	3.6%
81	1.84 AC.	3.4%

----	EXISTING CONTOURS
———	PROPOSED CONTOURS

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE II
INTERMEDIATE GRADING

MATCH LINE STA. 1431+50 SEE SHT. NO. 49L

OUT - 81

OUT - 80

POND

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

PROP. ROW & FENCE (BY OTHERS)

PROP. ROW (BY OTHERS)

PROP. ROW (BY OTHERS)

CATOOSA RIDGE DRIVE

P.L. ℄ N.B. TRANSITION N 19° 20' 28" E

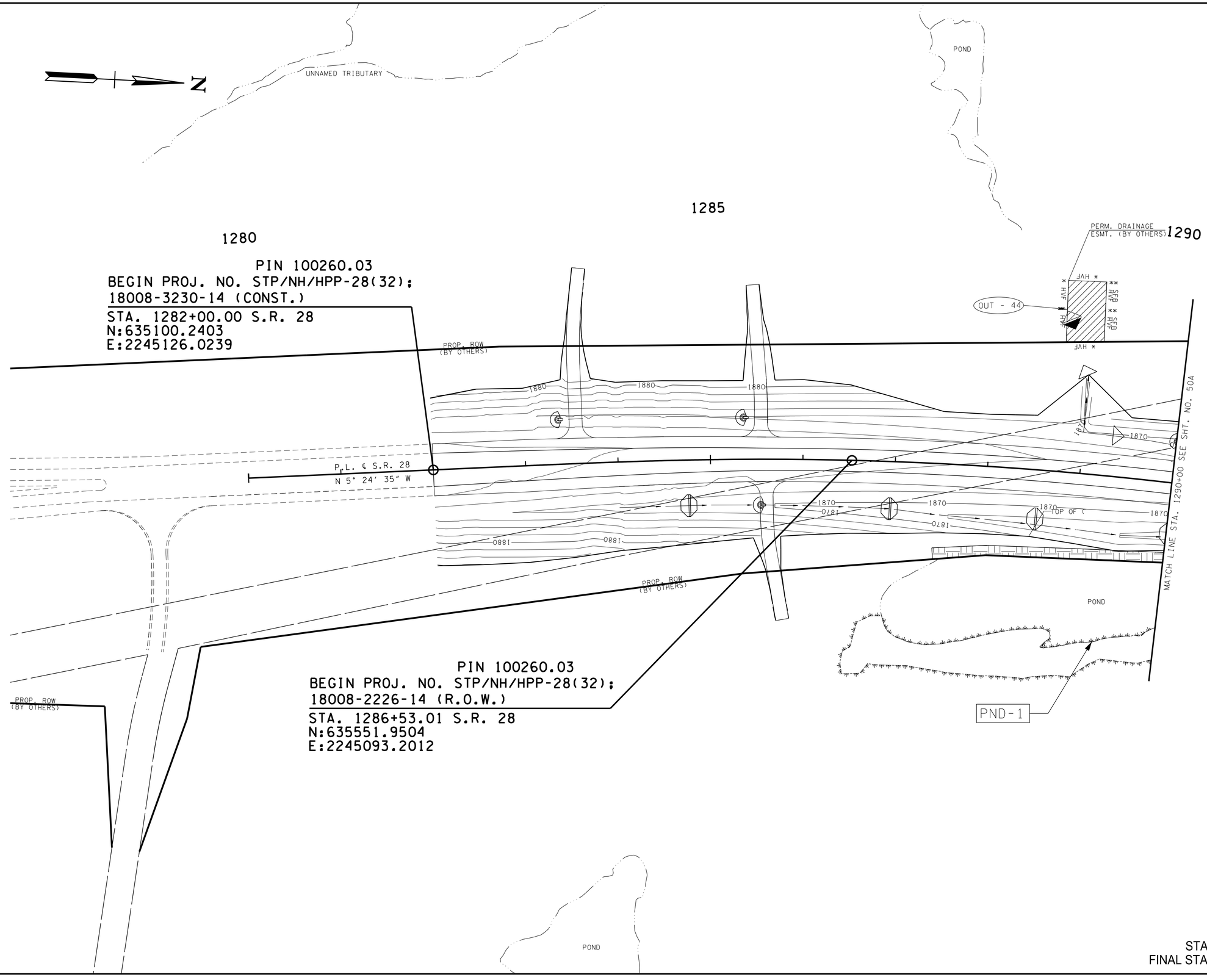
P.L. ℄ S.R. 28 N 31° 29' 26" E

S 74° 34' 47" E

N 11° 29' 08" E

1/30/2026
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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
44	1.11 AC.	3.2%

PROPOSED CONTOURS SHOWN

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

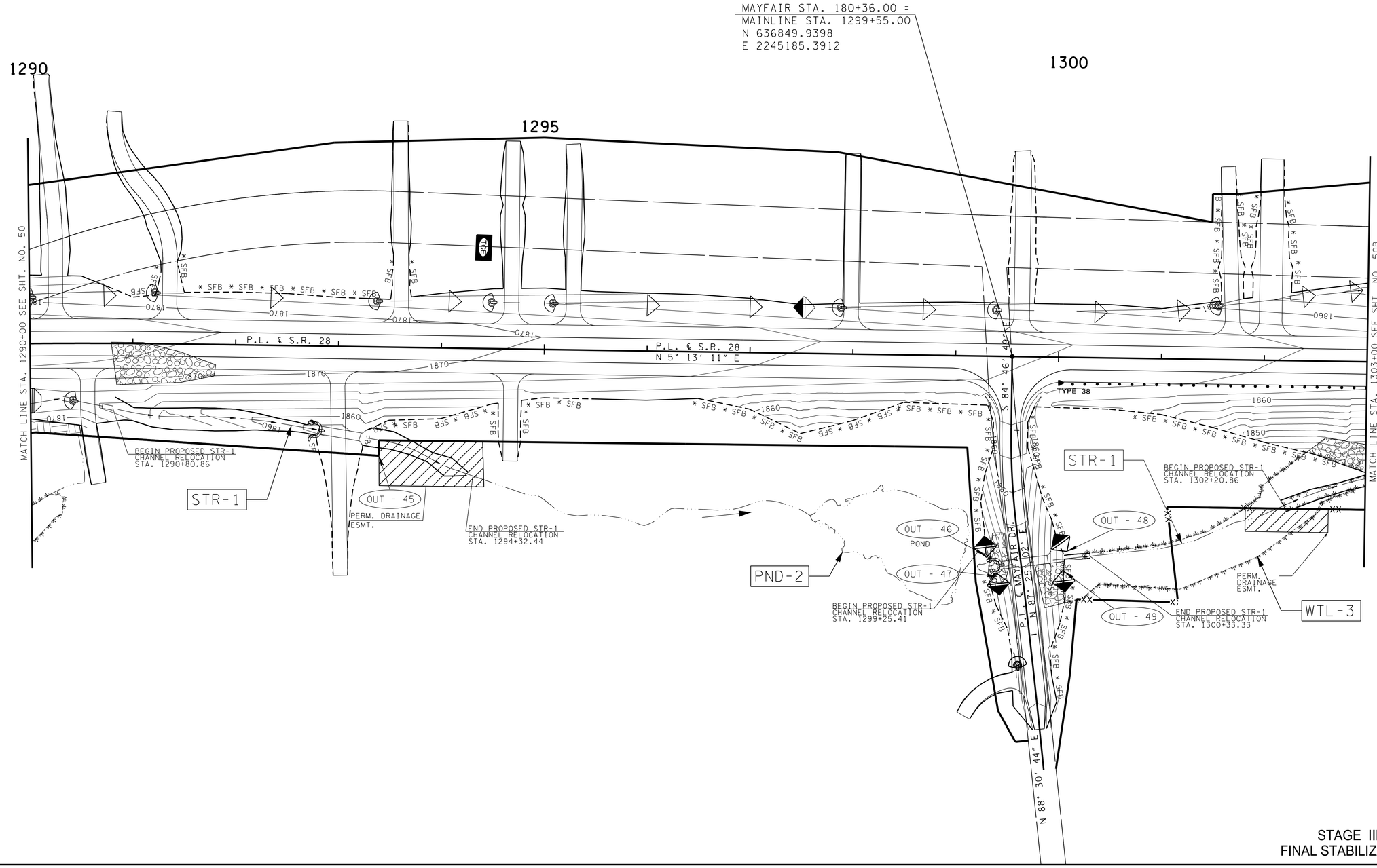
EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE III
FINAL STABLILIZATION

1/30/2026
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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
45	3.23 AC.	4.9%
46	0.12 AC.	9.6%
47	2.33 AC.	3.7%
48	0.25 AC.	10.0%
49	0.28 AC.	9.1%

PROPOSED CONTOURS SHOWN

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

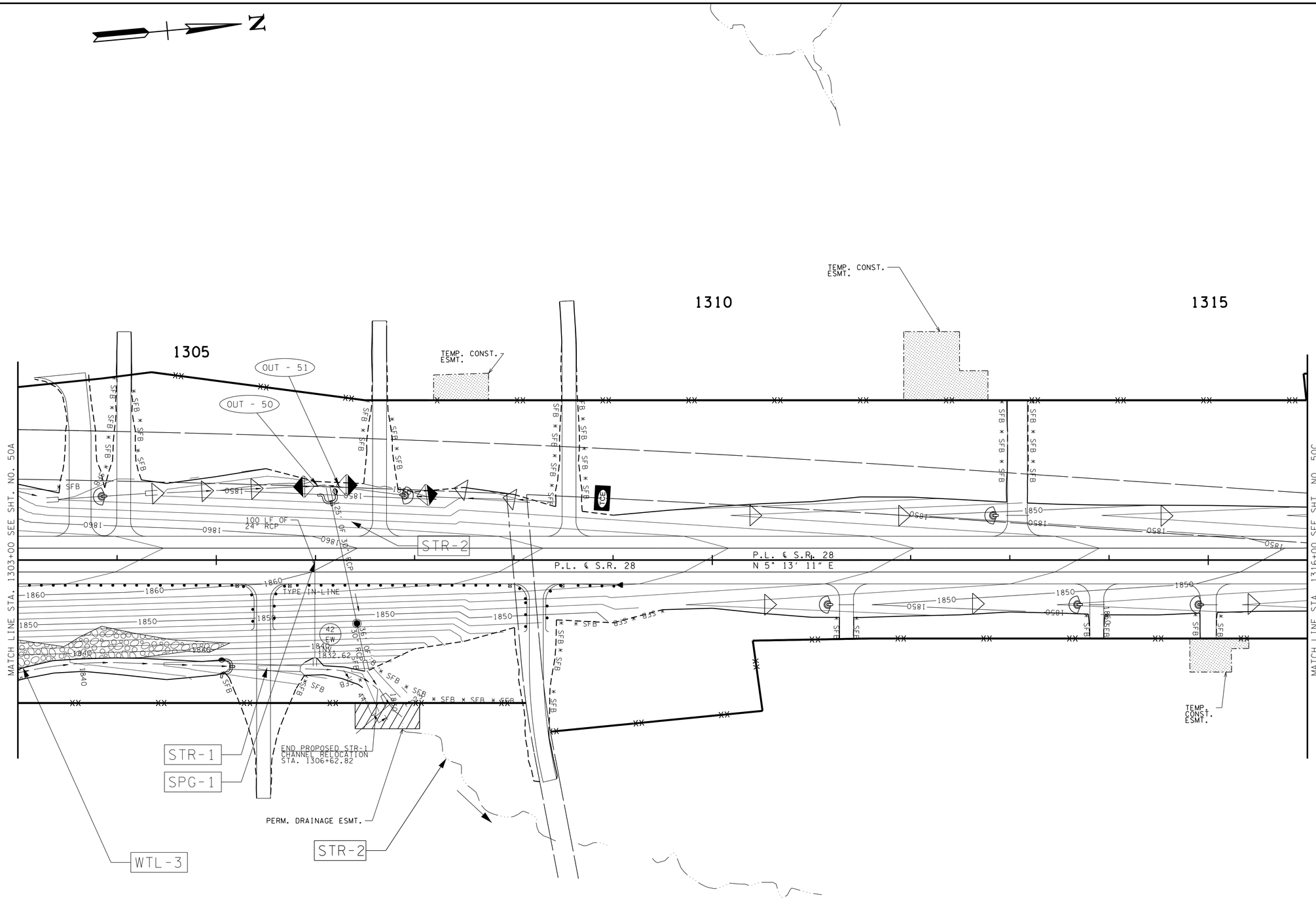
EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE III
FINAL STABILIZATION

1/30/2026
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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
50	3.70 AC.	1.9%
51	0.71 AC.	5.2%

PROPOSED CONTOURS SHOWN

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE III
FINAL STABILIZATION

1/30/2026
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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

N

NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

STAGE 3 OUTFALL TABULATION

OUTFALL	AREA	SLOPE
52	3.91 AC.	2.8%
53	1.72 AC.	1.7%
54	1.00 AC.	8.9%

PROPOSED CONTOURS SHOWN

UNNAMED TRIBUTARY

POND

PND-3

PND-4

OUT - 52

OUT - 53

OUT - 54

TEMP. CONST. ESMT.

1320

1325

215

MATCH LINE STA. 1316+00 SEE SHT. NO. 50B

MATCH LINE STA. 1329+00 SEE SHT. NO. 50D

P.L. & BYERS S 84° 46' 49" E 1,515.47'

P.L. & S.R. 28 N 5° 13' 11" E

P.L. & S.R. 28 N 12° 58' 58" W

TYPE IN-LINE

TYPE 38

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

STAGE III
FINAL STABILIZATION

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

1/30/2026
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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 - 55

OUT - 56

TEMP. CONST. ESMT.

POND

PND-5

WTL-3A

TOP OF BANK

NO BUSINESS CREEK

OUT - 61

OUT - 62

BEGIN BERM
STA 1334+22.54

END BERM
STA 1335+37.46

TYPE 38

GABIONS

SOD

P.I. ℄ GOSS
N 77° 01' 02" E

P.I. ℄ S.R. 28
N 12° 58' 58" W

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

MATCH LINE STA. 1329+00 SEE SHT. NO. 50C

MATCH LINE STA. 1342+00 SEE SHT. NO. 50E

OUT - 59

OUT - 60

STR-4

5

PERM. DRAINAGE EASEMENT

TEMP. CONST. ESMT.

OUT - 58

P.I. ℄ OLD S.R. 28
N 8° 25' 13" E

N 31° 02' 05" W

N 3° 38' 36" W

S 85° 05' 52" E

OUT - 57

TEMP. CONST. ESMT.

TEMP. CONST. ESMT.

305

245

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

STAGE III
FINAL STABILIZATION

NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

STAGE 3 OUTFALL TABULATION

OUTFALL	AREA	SLOPE
55	0.81 AC.	6.4%
56	0.21 AC.	6.9%
57	0.63 AC.	3.9%
58	0.70 AC.	3.5%
59	4.23 AC.	14.1%
60	4.29 AC.	3.7%
61	2.68 AC.	3.7%
62	3.22 AC.	7.4%

PROPOSED CONTOURS SHOWN

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

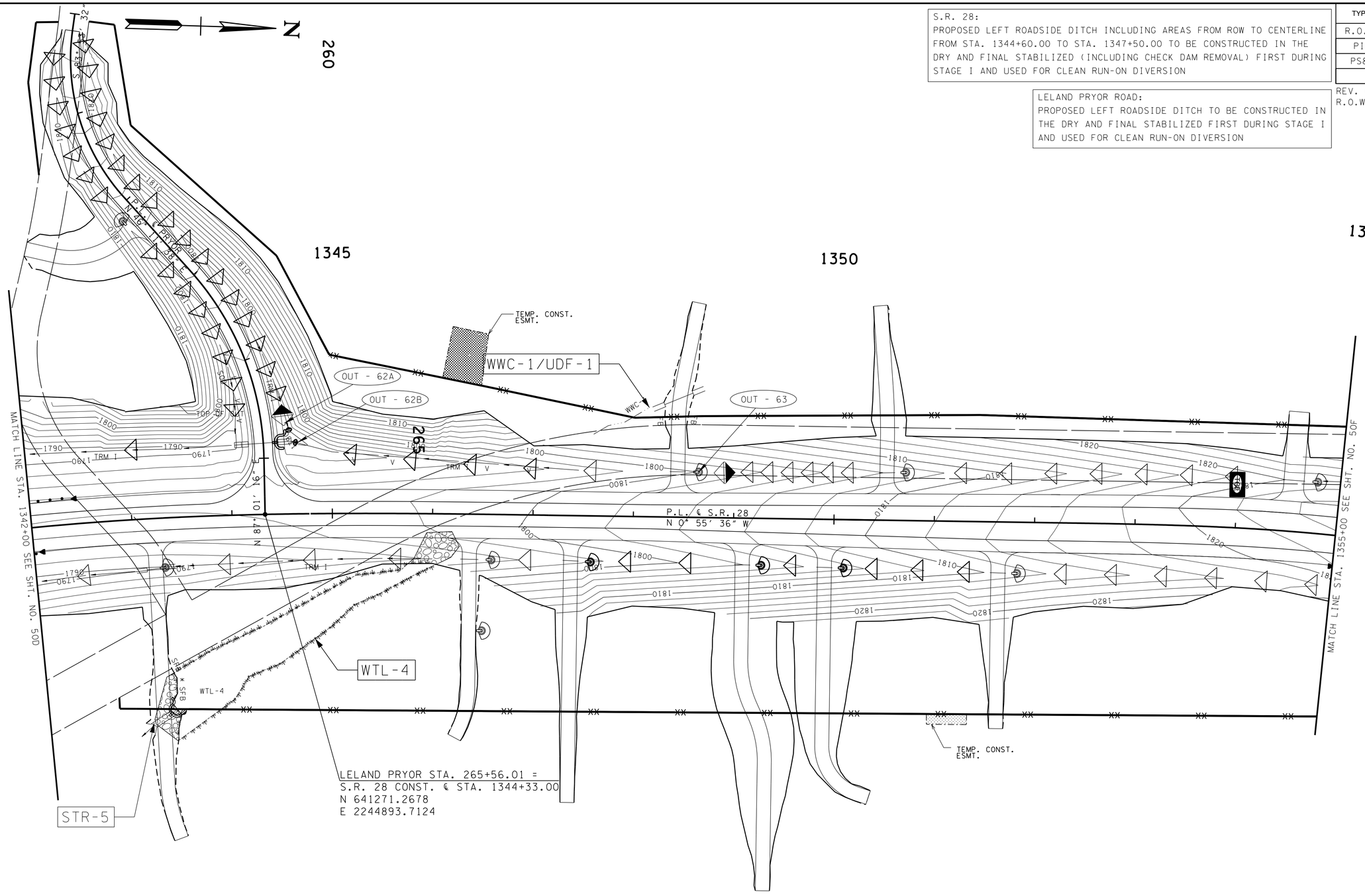
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S.R. 28:
PROPOSED LEFT ROADSIDE DITCH INCLUDING AREAS FROM ROW TO CENTERLINE FROM STA. 1344+60.00 TO STA. 1347+50.00 TO BE CONSTRUCTED IN THE DRY AND FINAL STABILIZED (INCLUDING CHECK DAM REMOVAL) FIRST DURING STAGE I AND USED FOR CLEAN RUN-ON DIVERSION

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

STAGE 3 OUTFALL TABULATION

OUTFALL	AREA	SLOPE
62A	3.22 AC.	7.4%
62B	4.07 AC.	3.8%
63	2.83 AC.	3.3%

PROPOSED CONTOURS SHOWN

STAGE III

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

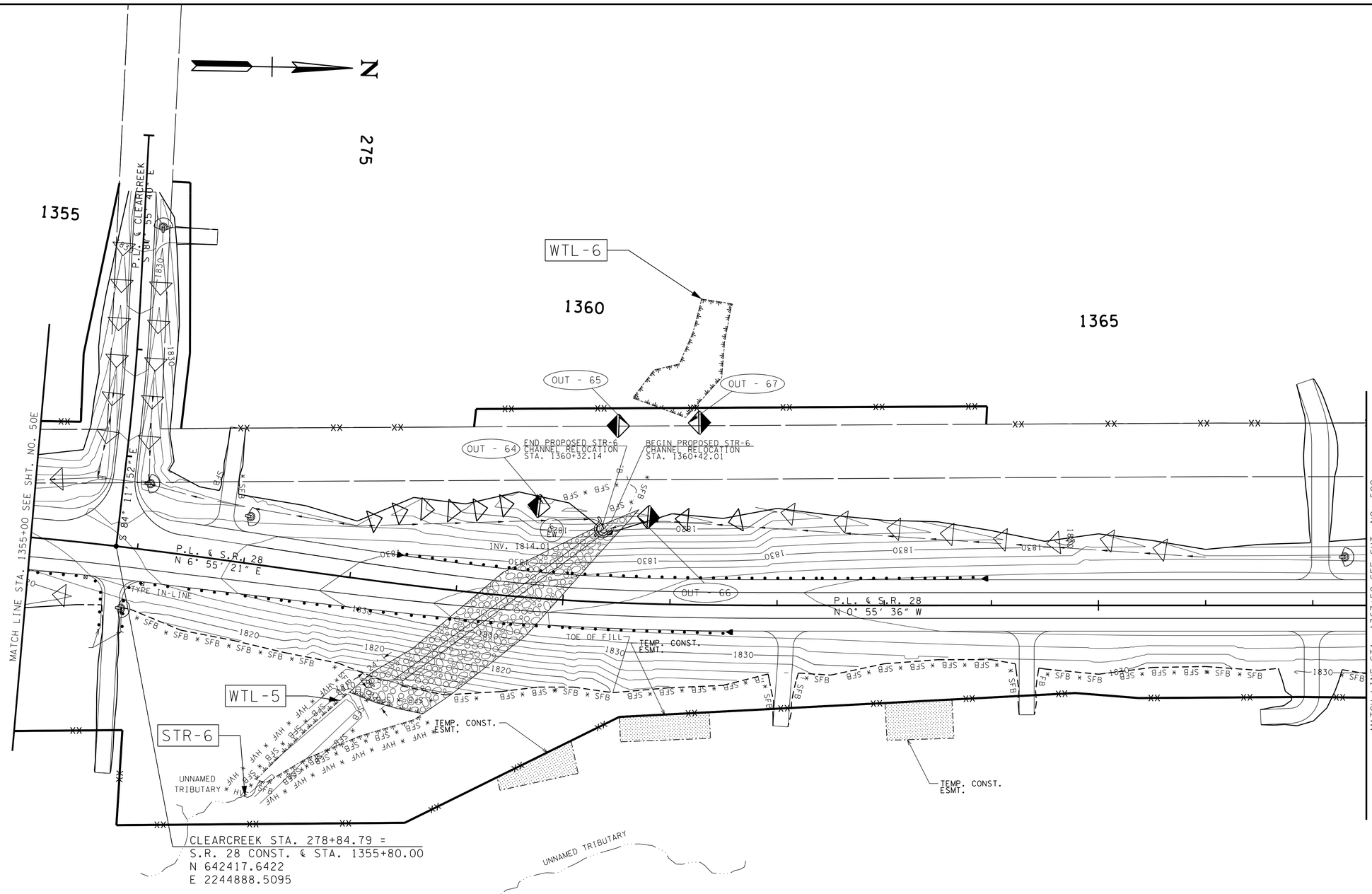
EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE III
FINAL STABILIZATION

1/30/2026
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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



NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

STAGE 3
OUTFALL TABULATION

OUTFALL	AREA	SLOPE
64	0.68 AC.	8.1%
65	1.28 AC.	5.1%
66	2.13 AC.	4.1%
67	1.28 AC.	4.0%

PROPOSED CONTOURS SHOWN

PS&E FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

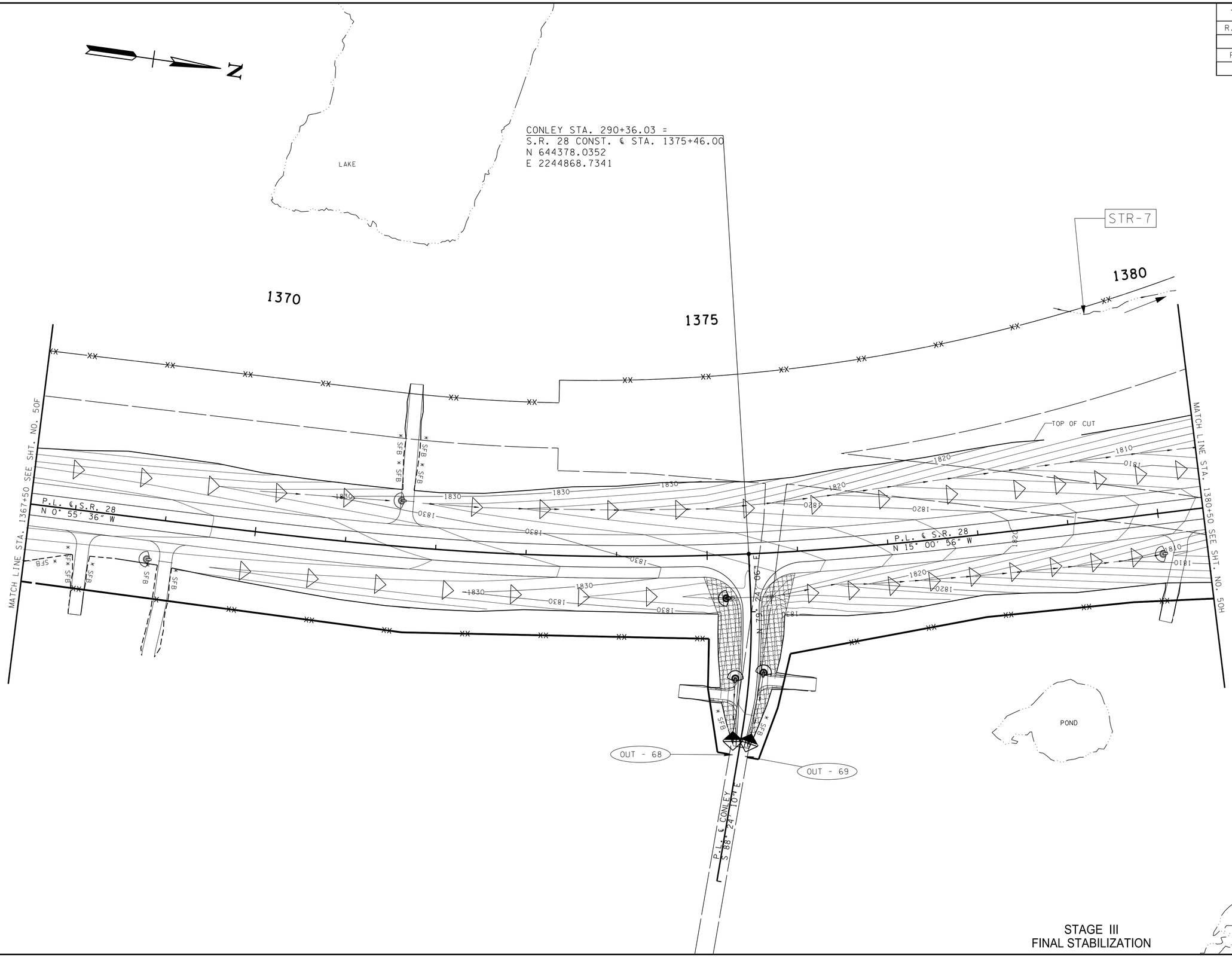
EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE III
FINAL STABILIZATION

1/30/2026
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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
68	0.04 AC.	4.1%
69	0.04 AC.	5.0%

PROPOSED CONTOURS SHOWN

PS&E FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE III
FINAL STABILIZATION

1/30/2026
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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
70	1.43 AC.	8.8%
71	5.22 AC.	4.2%
71A	2.93 AC.	6.0%
71B	0.47 AC.	5.6%
71C	0.03 AC.	15.0%
72	5.47 AC.	3.4%
72A	7.31 AC.	15.4%
72B	0.21 AC.	8.9%

PROPOSED CONTOURS SHOWN

N

TEMP. CONST. ESMT.

P.I. & OLD SR 28 WEST
S 31° 44' 11" E

1385

1390

BEGIN PROPOSED STR-7 CHANNEL RELOCATION STA. 1381+41.21

EXIST.

OUT - 70

OUT - 71A

OUT - 71B

OUT - 71C

TOP OF CUT

P.I. & S.R. 28
N 15° 00' 56" W

N 74° 59' 04" E

MATCH LINE STA. 1380+50 SEE SHT. NO. 50G

OUT - 72A

OUT - 72B

935 x SFB x SFB

935 x SFB x SFE

150' OF 42" RCP

MATCH LINE STA. 1393+00 SEE SHT. NO. 50I

OUT - 72

P.I. & OLD SR 28 EAST
S 20° 00' E

N 10° 39' 36" E

END PROPOSED STR-7 CHANNEL RELOCATION STA. 1384+74.26

OUT - 71

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

POND

STAGE III
FINAL STABILIZATION

PS&E
FIELD
REVIEW

SEALED BY

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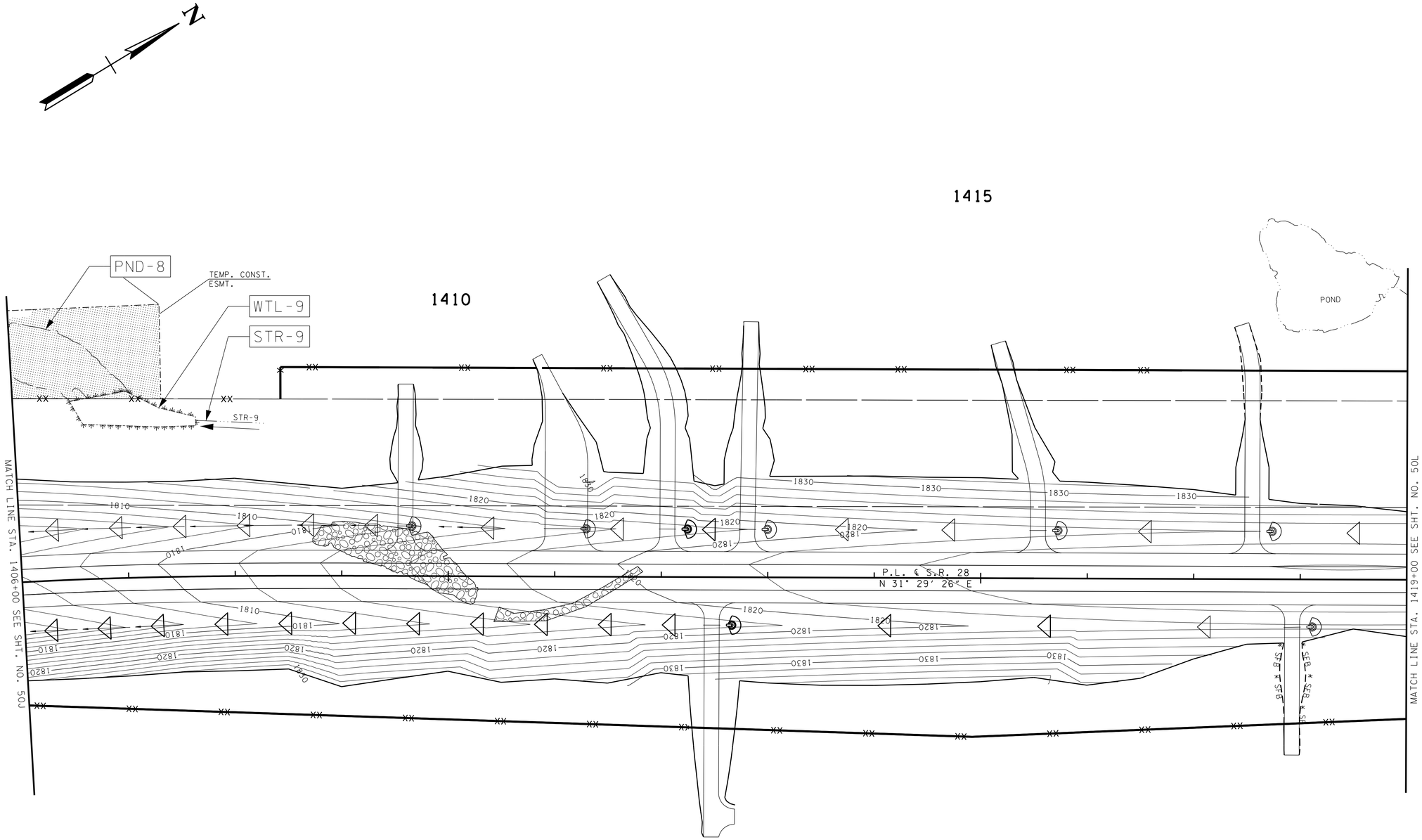
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

1/30/2026
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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



NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

PROPOSED CONTOURS SHOWN

STAGE III
FINAL STABILIZATION

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

1/30/2026
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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

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

WWC-3/EPH-1
STR-11
STR-10
SPG-2
STR-12
WTL-11
WTL-12
POND

1420
1425
1430

BEGIN PROPOSED STR-11
CHANNEL RELOCATION
STA. 1421+09.39

BEGIN PROPOSED STR-12
CHANNEL RELOCATION
STA. 1427+71.09

OUT - 76
OUT - 77
OUT - 78
OUT - 79

END PROPOSED STR-11
CHANNEL RELOCATION
STA. 1421+24.38

END PROPOSED STR-12
CHANNEL RELOCATION
STA. 1424+44.26

P.I. ℄ S.R. 28
N 31° 29' 26" E

P.I. ℄ HOLLOW
S 2° 58' 45" W

S 58° 30' 34" E

MATCH LINE STA. 1419+00 SEE SHT. NO. 50K

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

NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

STAGE 3 OUTFALL TABULATION

OUTFALL	AREA	SLOPE
76	0.83 AC.	5.4%
77	0.66 AC.	3.3%
78	1.03 AC.	2.5%
79	1.55 AC.	2.7%

PROPOSED CONTOURS SHOWN

STAGE III

PS&E
FIELD
REVIEW

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"= 50'

STAGE III
FINAL STABILIZATION

1/30/2026
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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

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-2227-14 (R.O.W.)
STA. 431+58.63
N 649538.2364
E 2246172.8982

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-3229-14 (CONST.)
STA. 432+00.00
N 649573.5140
E 2246194.5083

N.B. TRANSITION STA. 801+87.69 =
CATOOSA STA. 500+00.00
N 649716.2439
E 2246320.7545

1440

1435

POND

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

OUT - 81

WTL-12

100' OF
36" RCP

500

P.L. & NB TRANSITION
N 19° 20' 28" E

P.L. & S.R. 28
N 31° 29' 26" E

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

S 71° 29' 08" E

OUT - 80

PROP. ROW
(BY OTHERS)

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

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 74° 34' 47" E

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

NOTE:
SEEDING OR SODDING TO BE USED ON ALL SLOPES FOR STABILIZATION

STAGE 3 OUTFALL TABULATION

OUTFALL	AREA	SLOPE
80	2.13 AC.	3.6%
81	1.84 AC.	3.4%

PROPOSED CONTOURS SHOWN

STAGE III

PS&E
FIELD
REVIEW

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'

STAGE III
FINAL STABILIZATION

1/30/2026 1:45:57 PM
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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

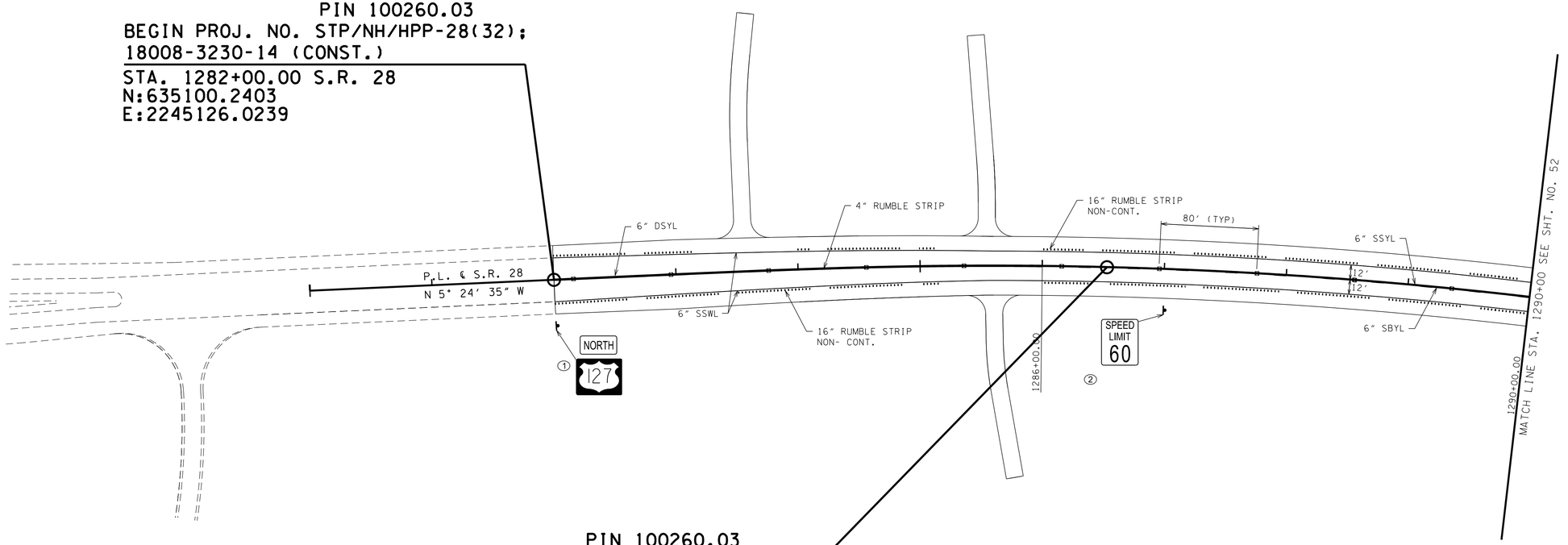
N

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

PS&E
FIELD
REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

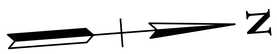
SIGNING AND PAVEMENT MARKING PLAN

STA. 1282+00 TO STA. 1290+00

SCALE: 1"= 50'

1/30/2026
P:\2009\090019\SaInfrastructure\Cad\Geopak\051.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	52
PS&E	2026	STP/NH/HPP-28(32)	52



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

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

MATCH LINE STA. 1303+00 SEE SHT. NO. 53

PS&E FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

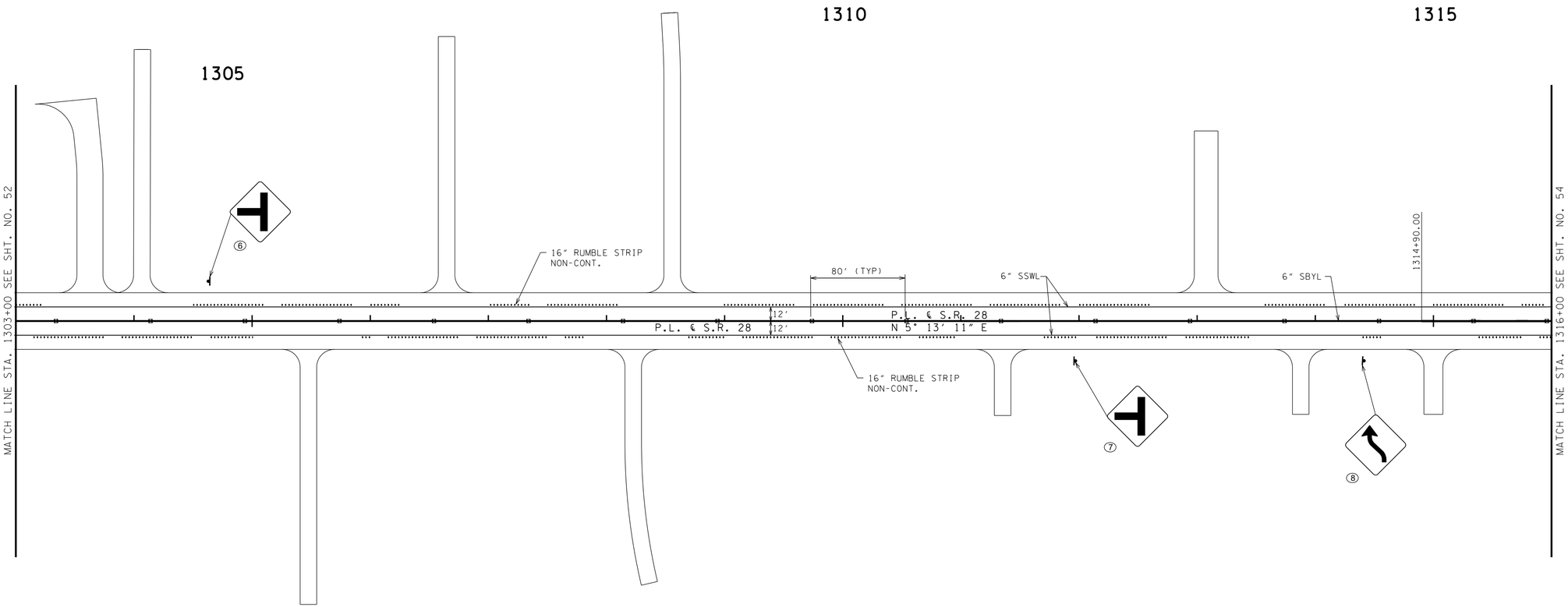
SIGNING AND PAVEMENT MARKING PLAN

STA. 1290+00 TO STA. 1303+00

SCALE: 1"= 50'

1/30/2026
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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



PS&E FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

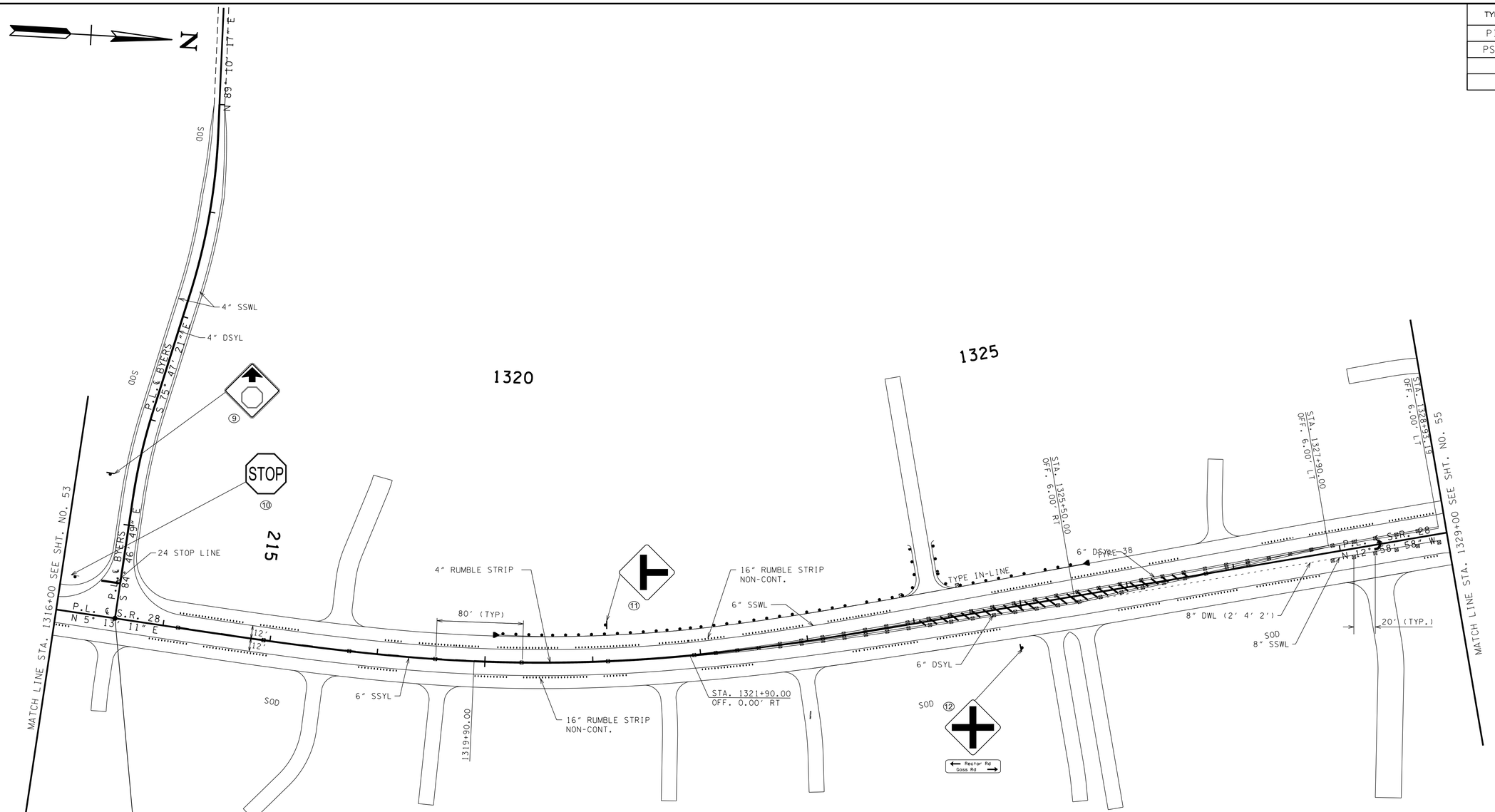
SIGNING AND PAVEMENT MARKING PLAN

STA. 1303+00 TO STA. 1316+00

SCALE: 1"= 50'

1/30/2026
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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

PS&E FIELD REVIEW

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

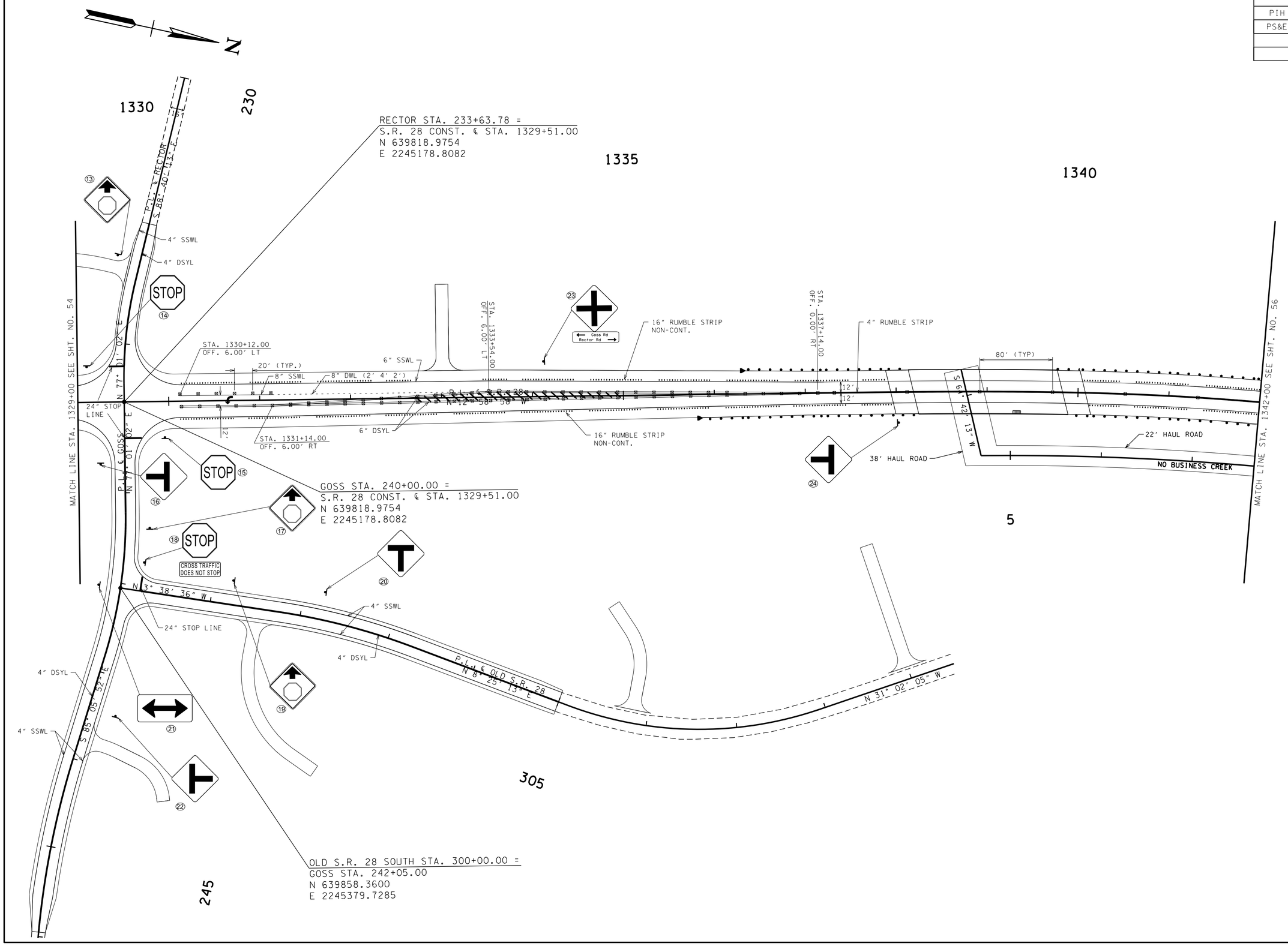
SIGNING AND PAVEMENT MARKING PLAN

STA. 1316+00 TO STA. 1329+00

SCALE: 1"= 50'

1/30/2026
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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



PS&E FIELD REVIEW

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

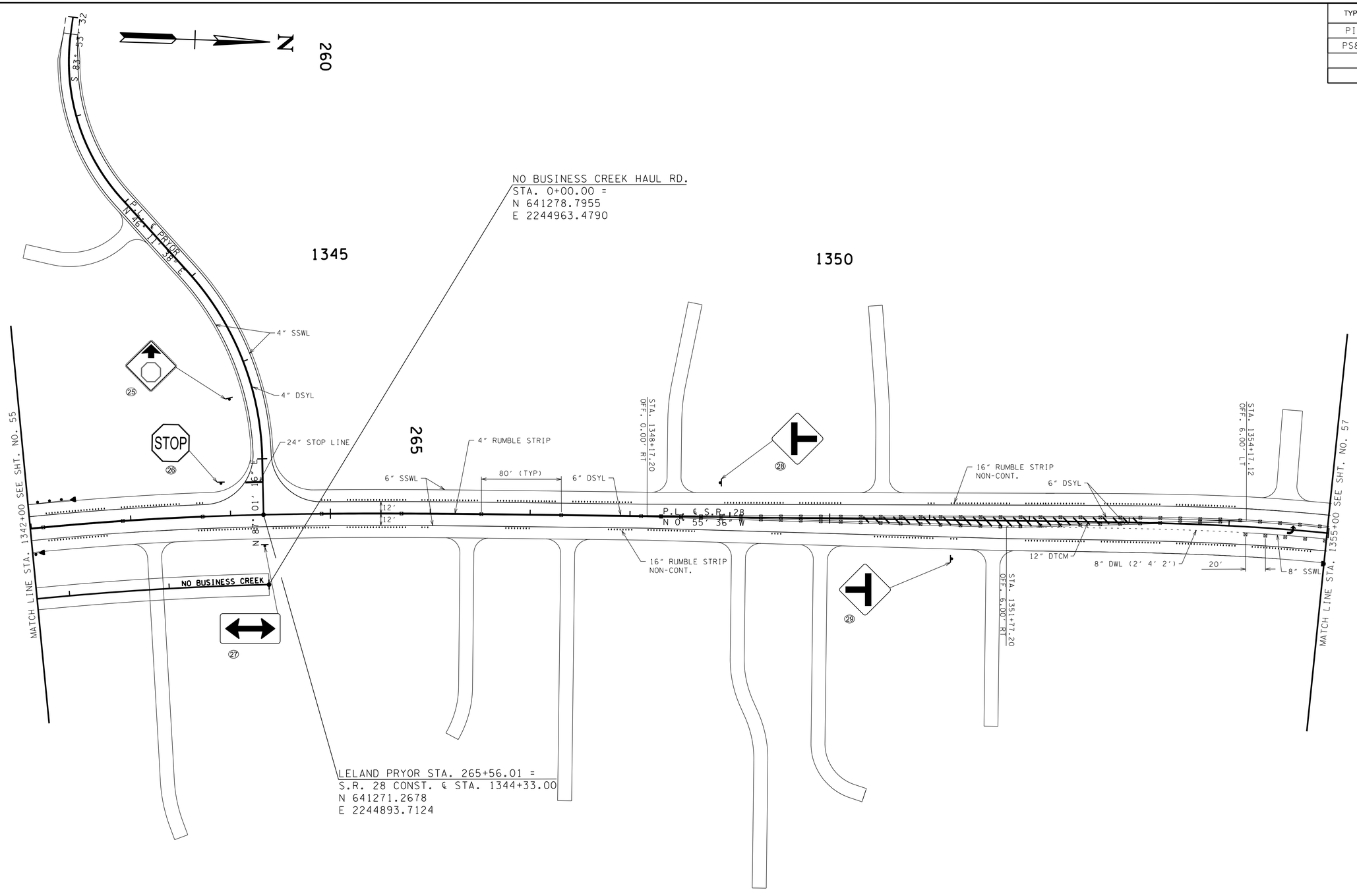
SIGNING AND PAVEMENT MARKING PLAN

STA. 1329+00 TO STA. 1342+00

SCALE: 1"= 50'

1/30/2026
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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



PS&E
FIELD
REVIEW

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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

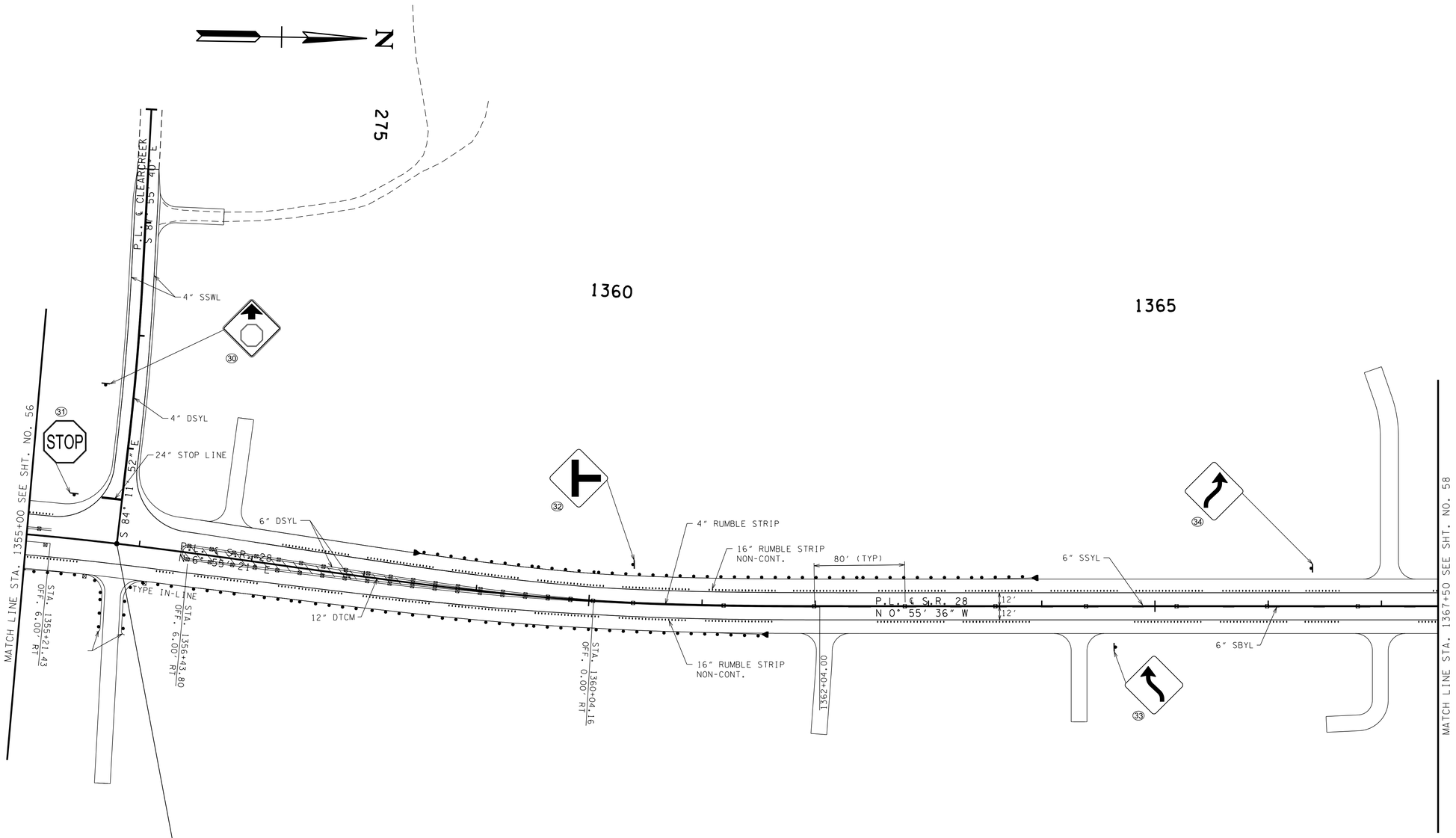
SIGNING AND PAVEMENT MARKING PLAN

STA. 1342+00 TO STA. 1355+00

SCALE: 1"= 50'

1/30/2026
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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



PS&E FIELD REVIEW

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

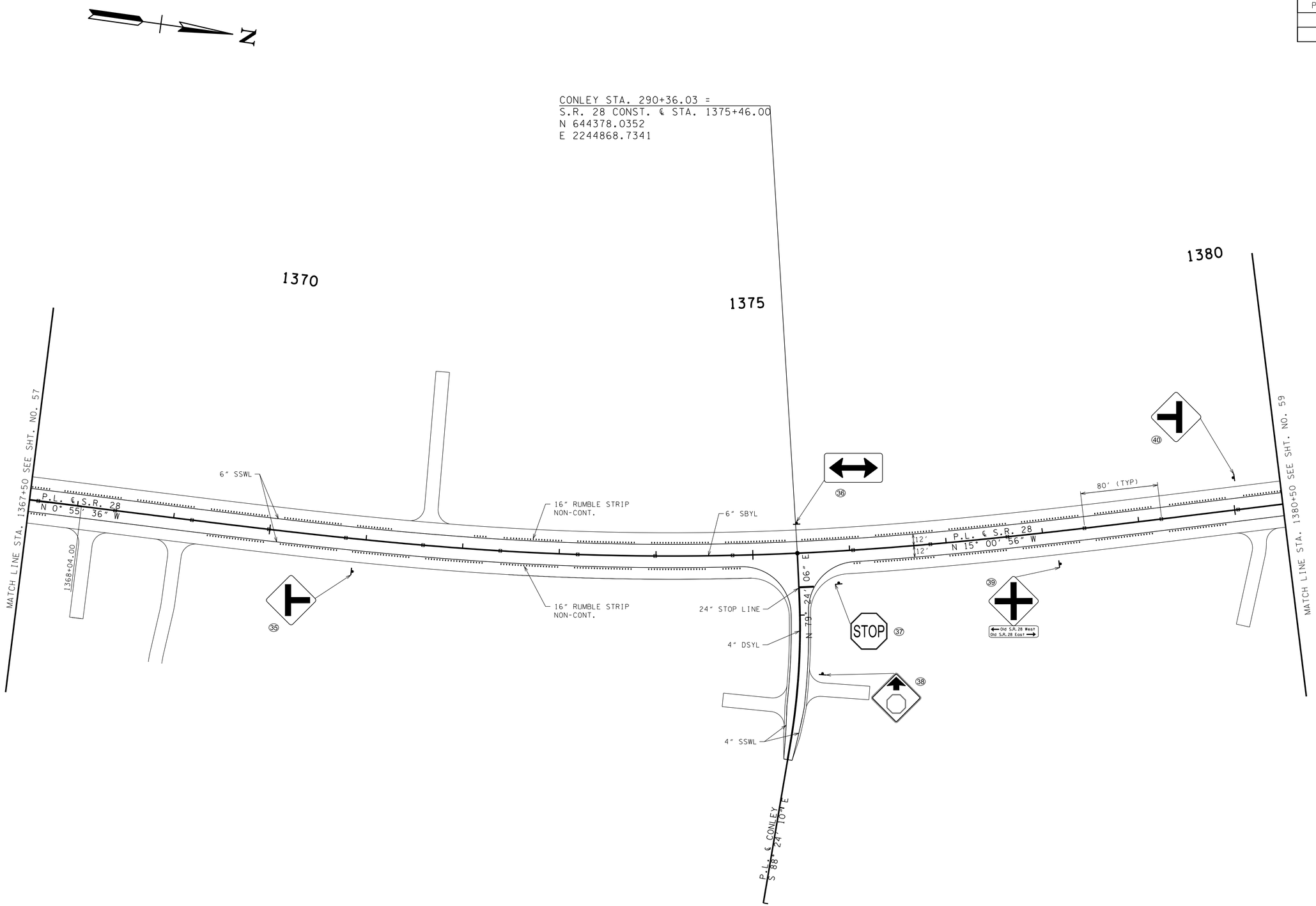
SIGNING AND PAVEMENT MARKING PLAN

STA. 1355+00 TO STA. 1367+50

SCALE: 1"= 50'

1/30/2026
P:\2009\090019\SaInfrastructure\Cad\Geopak\057.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	58
PS&E	2026	STP/NH/HPP-28(32)	58



PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

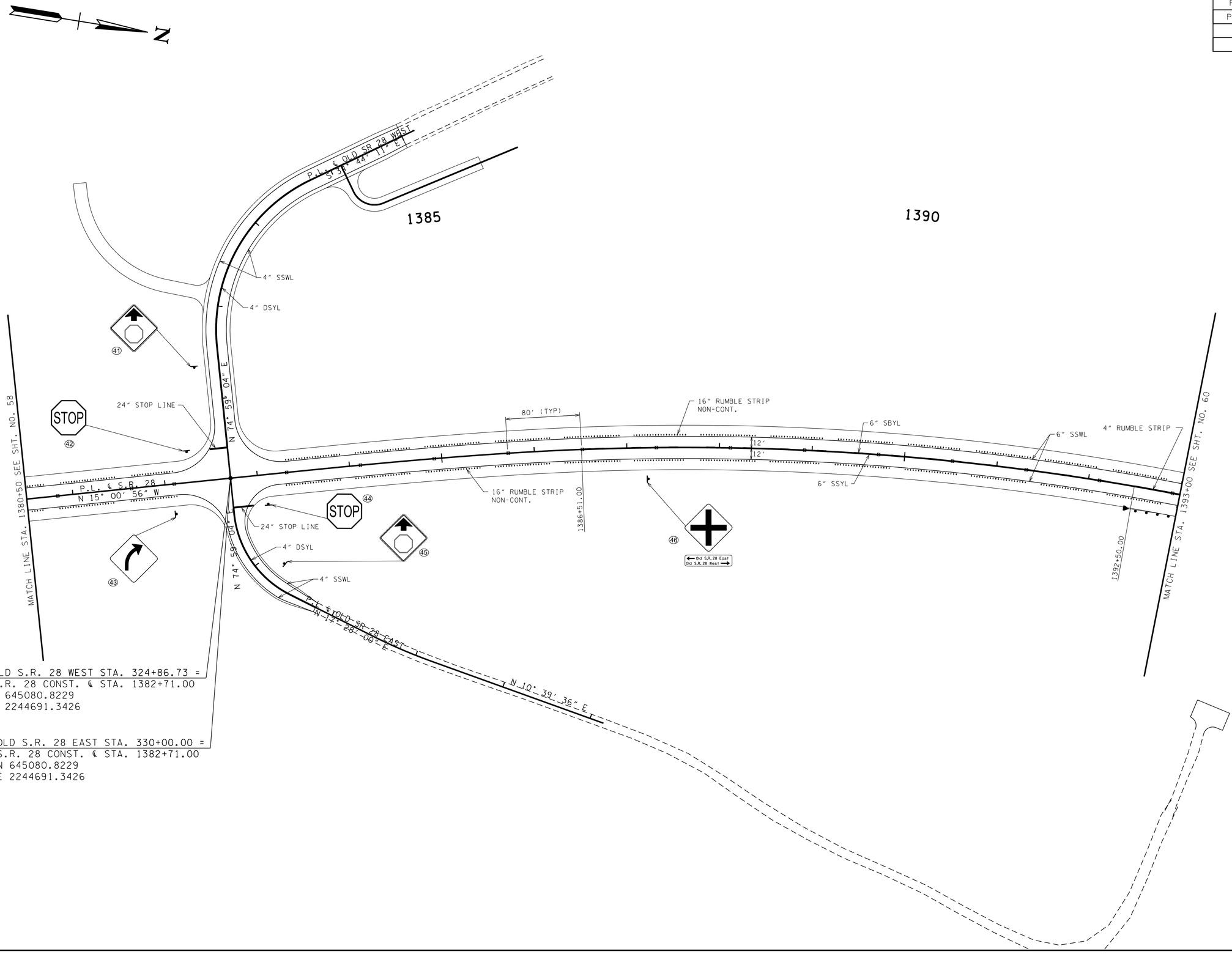
SIGNING AND PAVEMENT MARKING PLAN

STA. 1367+50 TO STA. 1380+50

SCALE: 1"= 50'

1/30/2026
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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

PS&E FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

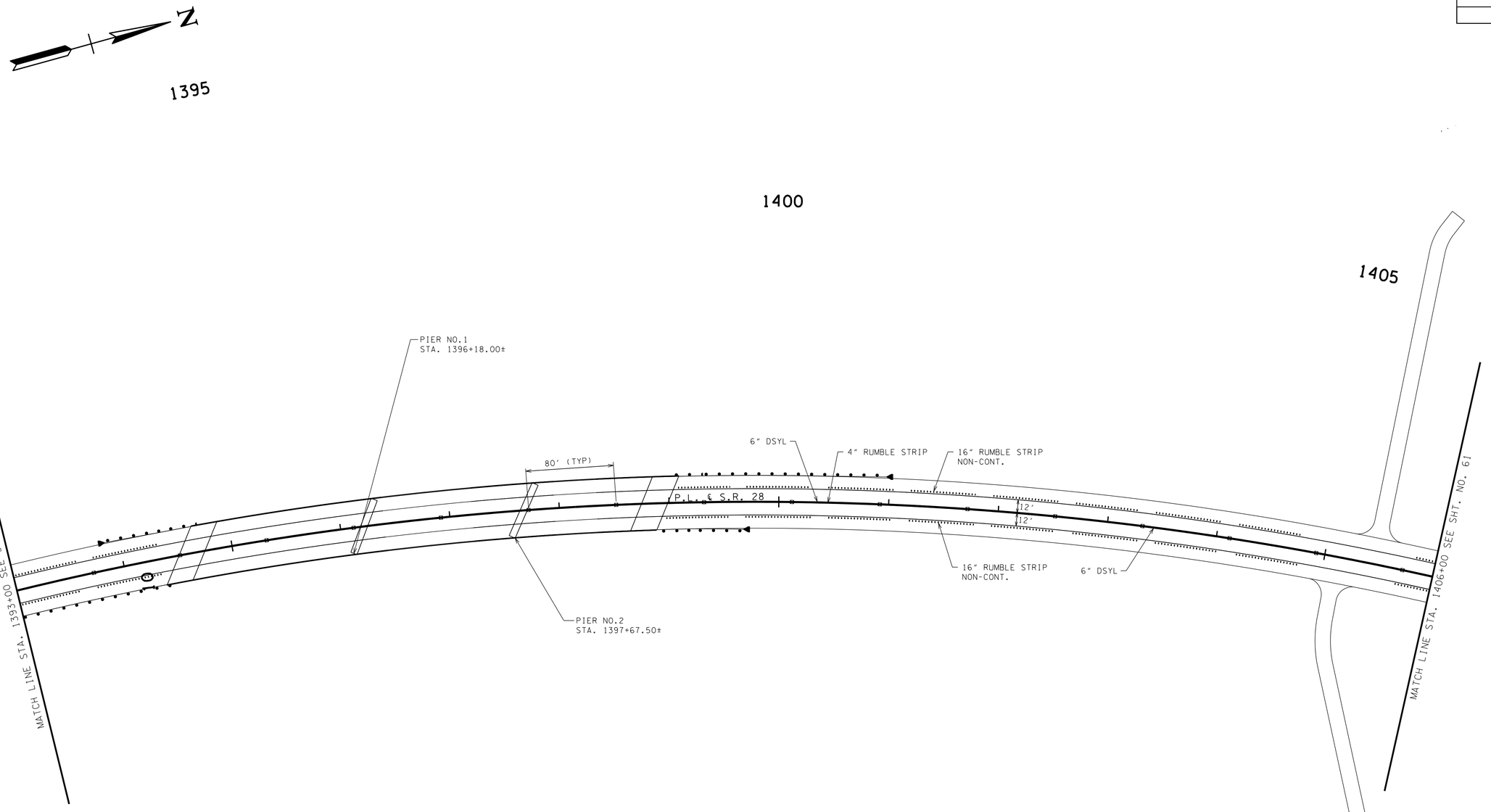
SIGNING AND PAVEMENT MARKING PLAN

STA. 1380+50 TO STA. 1393+00

SCALE: 1"= 50'

1/30/2026
P:\2009\090019\SaInfrastructure\Cad\Geopak\059.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	60
PS&E	2026	STP/NH/HPP-28(32)	60



PS&E
FIELD
REVIEW

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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

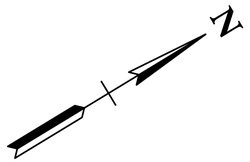
SIGNING AND PAVEMENT MARKING PLAN

STA. 1393+00 TO STA. 1406+00

SCALE: 1"= 50'

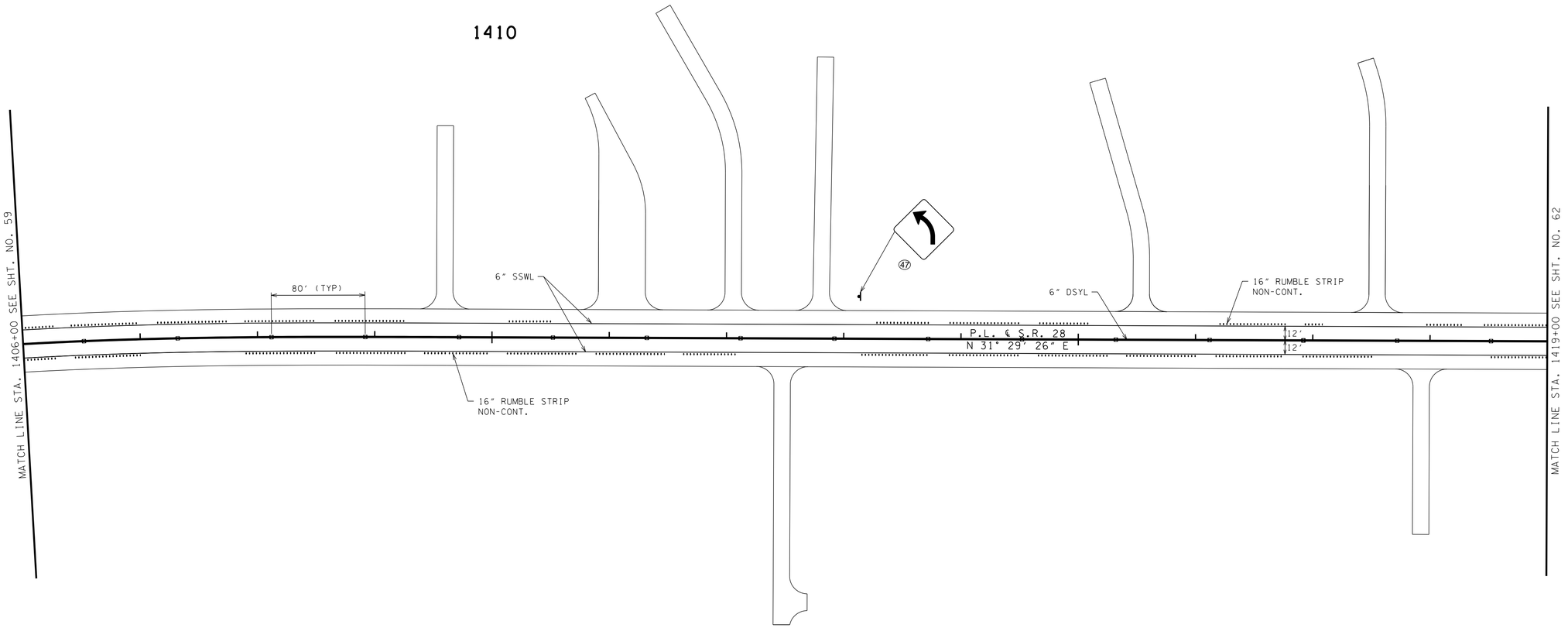
1/30/2026
P:\2009\090019\SaInfrastructure\Cad\Geopak\060.sht

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



PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

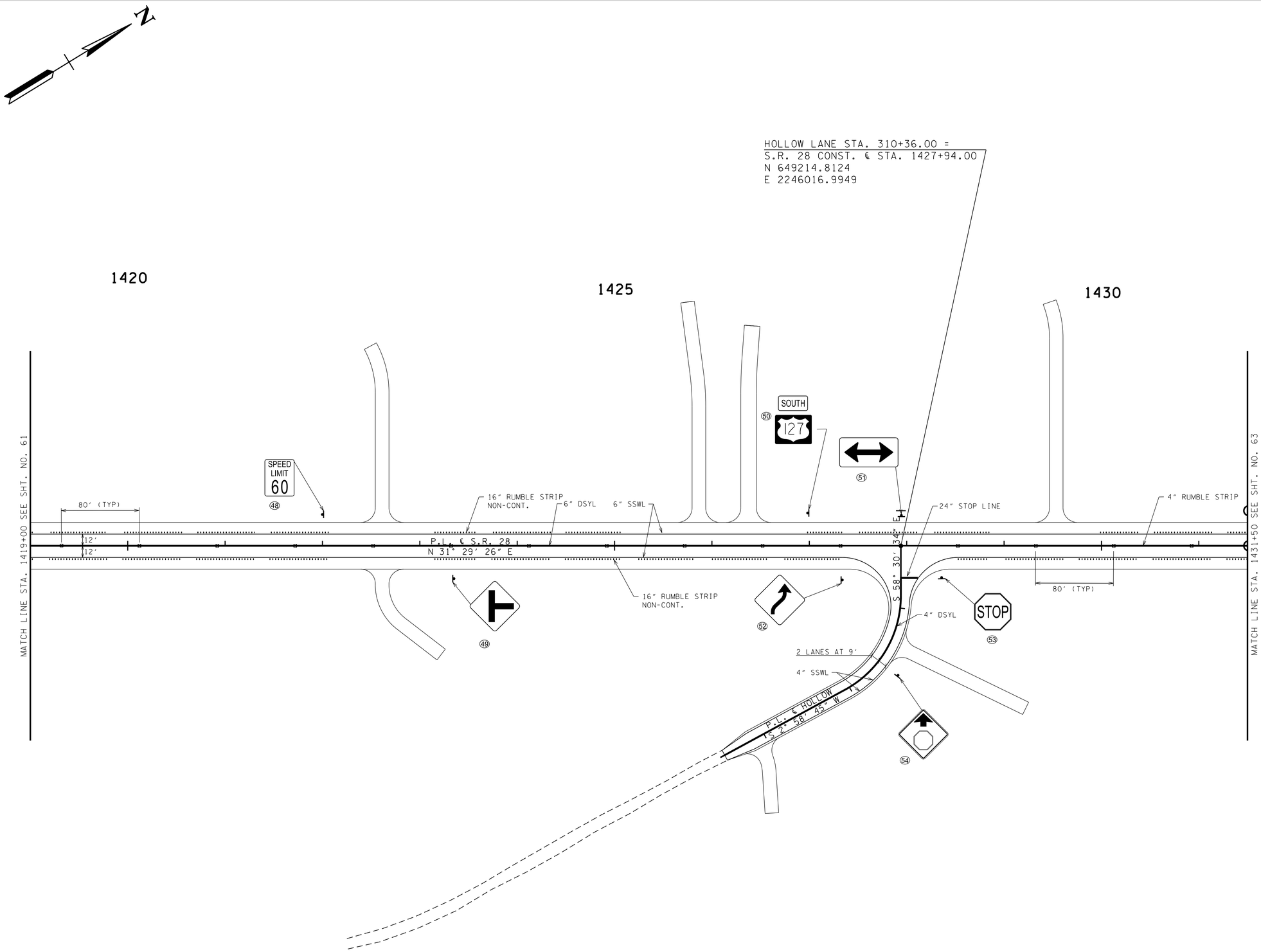
SIGNING AND PAVEMENT MARKING PLAN

STA. 1406+00 TO STA. 1419+00

SCALE: 1"= 50'

1/30/2026
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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



PS&E
FIELD
REVIEW

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

SIGNING AND PAVEMENT MARKING PLAN

STA. 1419+00 TO STA. 1431+50

SCALE: 1"= 50'

1/30/2026
P:\2009\090019\SaInfrastructure\Cad\Geopak\062.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	63
PS&E	2026	STP/NH/HPP-28(32)	63

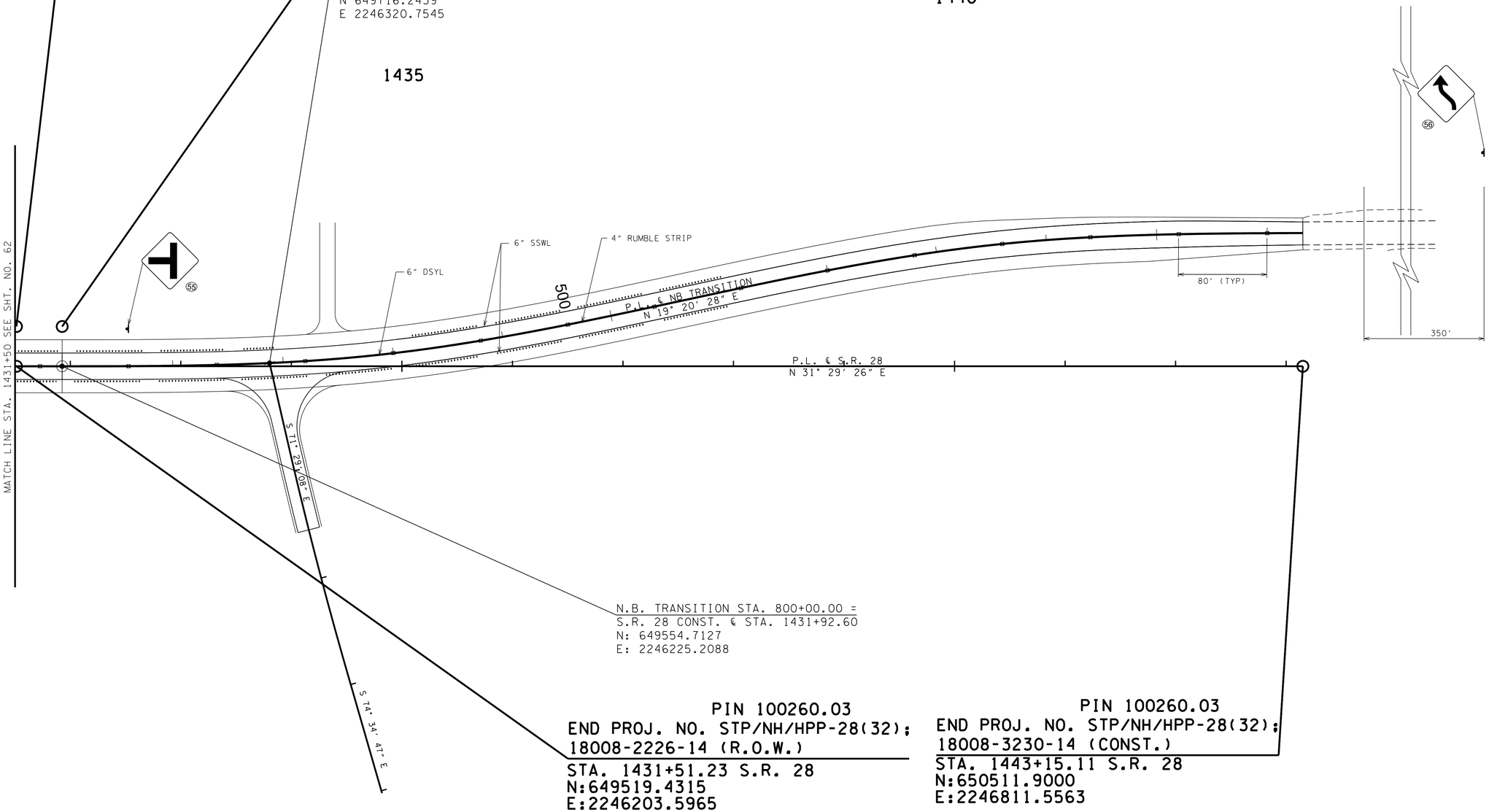
PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-2229-14 (R.O.W.)
STA. 431+58.63
N 649538.2364
E 2246172.8982

PIN NO. 100260.04
BEGIN PROJ. NO. HPP/NH-28(37)
18008-3228-14 (CONST.)
STA. 432+00.00
N 649573.5140
E 2246194.5083

N.B. TRANSITION STA. 801+87.69 =
CATOOSA STA. 500+00.00
N 649716.2439
E 2246320.7545

1435

1440



N.B. TRANSITION STA. 800+00.00 =
S.R. 28 CONST. ℄ STA. 1431+92.60
N: 649554.7127
E: 2246225.2088

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

PS&E
FIELD
REVIEW

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

SIGNING AND PAVEMENT MARKING PLAN

STA. 1431+50 TO STA. 1443+15

SCALE: 1"= 50'

1/30/2026
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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 48	SPEED LIMIT 60	R2-1	51 62	30"	36"									BLACK	WHITE (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-0"				5'0"	REQUIRES P POST SLIP BASE
3 11 28 32 35 49		W2-2R	52 54 56 57 58 62	36"	36"									BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-0"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.) REQUIRES P POST SLIP BASE
22			55																				REFLECTIVE STRIP (YELLOW) (FLOUR.)
4 10 14 15 26 31 37 42 44 53	STOP	R1-1	52 54 55 55 56 57 58 59 59 62	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
5 9 13 17 19 25 30 38 41 45 54		W3-1	52 54 55 55 55 56 57 58 59 59 62	36"	36"									BLACK RED (REF.)	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-0"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.)
6 7 24 29 40 55		W2-2L	53 53 55 56 58 63	36"	36"									BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-0"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.) REQUIRES P POST SLIP BASE
16			55																				REFLECTIVE STRIP (YELLOW) (FLOUR.)
8 33 56		W1-4L	53 57 63	36"	36"									BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-0"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.) REQUIRES P POST SLIP BASE
12	Rector Rd / Goss Rd	W2-1 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 / CROSS TRAFFIC DOES NOT STOP	R1-1 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			55																				REFLECTIVE STRIP (YELLOW) (FLOUR.)
27 36 51		W1-7	56 58 62	48"	24"									BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	12'-0"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.) REQUIRES P POST SLIP BASE
23	Goss Rd / Rector Rd	W2-1 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 52		W1-4R	56 62	36"	36"									BLACK	YELLOW (REF.) FLOUR	0.100" SHEET ALUMINUM	P5	13'-0"				5'0"	REFLECTIVE STRIP (YELLOW) (FLOUR.) REQUIRES P POST SLIP BASE

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.

PS&E FIELD REVIEW

SEALED BY

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

1/30/2026
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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 Old S.R. 28 West / Old S.R. 28 East W16-8aP	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 Old S.R. 28 East / Old S.R. 28 West W16-8aP	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	SOUTH 127 M3-3 M1-4	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.

PS&E FIELD REVIEW

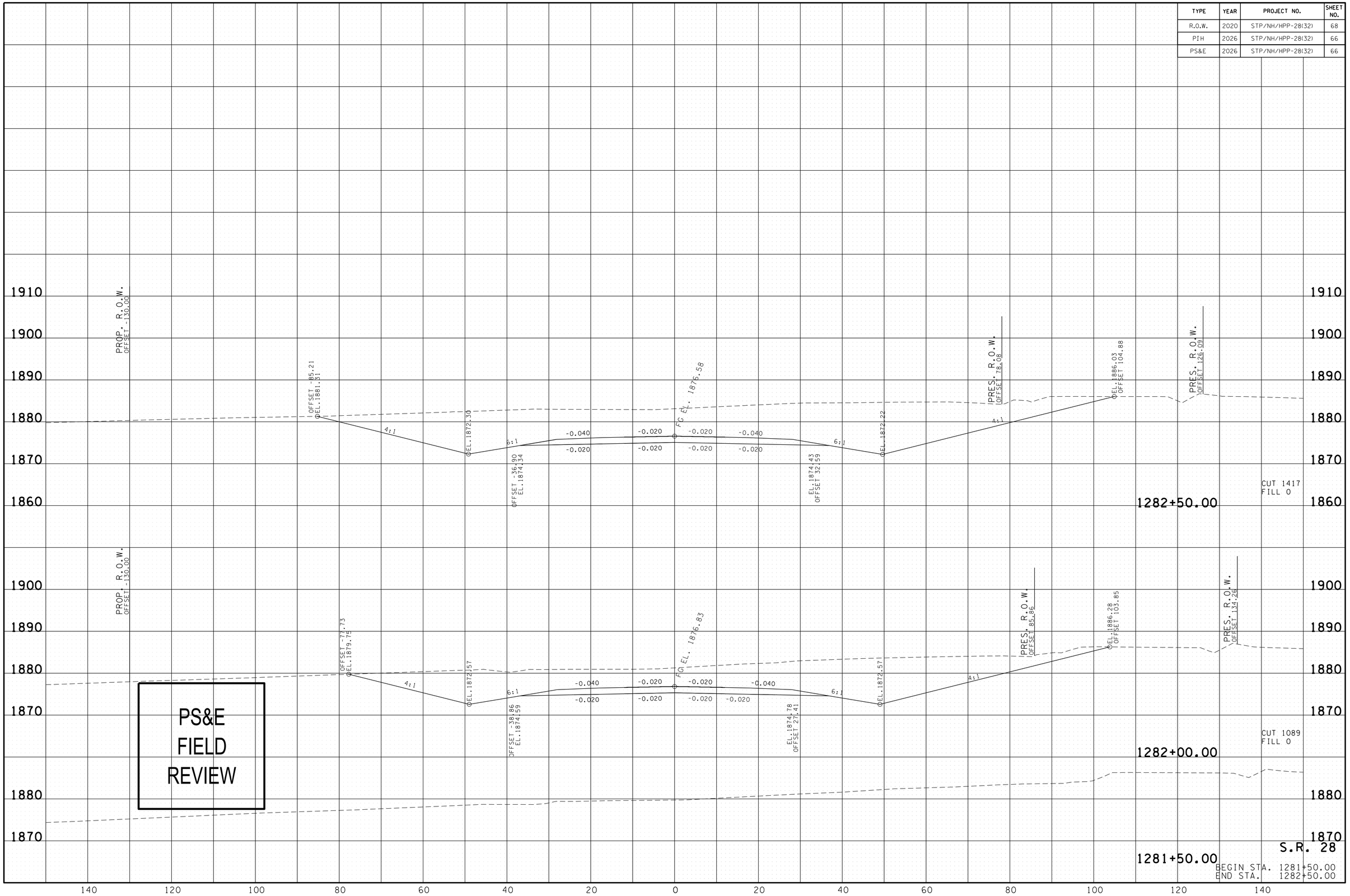
SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

1/30/2026
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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



PS&E
FIELD
REVIEW

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

PROP. R.O.W.
OFFSET -125.87

OFFSET -86.36
EL. 1881.72

4:1

EL. 1872.05

6:1

-0.040
-0.010

0.014
0.014

FG EL. 1875.83

-0.020
-0.020

-0.040
-0.020

6:1

EL. 1871.56

4:1

PRES. R.O.W.
OFFSET 54.38

EL. 1882.61
OFFSET 95.85

PRES. R.O.W.
OFFSET 01.59

PROP. R.O.W.
OFFSET 138.21

OFFSET -33.95
EL. 1874.34

EL. 1873.63
OFFSET 34.90

CUT 1599
FILL 0

1284+00.00

PROP. R.O.W.
OFFSET -127.41

OFFSET -89.57
EL. 1882.39

4:1

EL. 1872.12

6:1

-0.040
-0.010

0.001
0.001

FG EL. 1876.08

-0.020
-0.020

-0.040
-0.020

6:1

EL. 1871.51

4:1

PRES. R.O.W.
OFFSET 62.45

EL. 1884.29
OFFSET 101.31

PRES. R.O.W.
OFFSET 109.21

PROP. R.O.W.
OFFSET 142.97

OFFSET -34.78
EL. 1874.41

EL. 1873.87
OFFSET 35.62

CUT 1697
FILL 0

1283+50.00

PS&E
FIELD
REVIEW

PROP. R.O.W.
OFFSET -129.16

OFFSET -83.91
EL. 1880.81

4:1

EL. 1872.17

6:1

-0.040
-0.011

-0.011
-0.011

FG EL. 1876.33

-0.020
-0.020

-0.040
-0.020

6:1

EL. 1871.86

4:1

PRES. R.O.W.
OFFSET 70.30

EL. 1885.43
OFFSET 104.60

PRES. R.O.W.
OFFSET 117.92

PROP. R.O.W.

OFFSET -35.75
EL. 1874.43

EL. 1874.18
OFFSET 32.59

CUT 1598
FILL 0

1283+00.00

S.R. 28

BEGIN STA. 1283+00.00
END STA. 1284+00.00

1900
1890
1880
1870
1860
1910

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

1/30/2026
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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

PROP. R.O.W. OFFSET -123.99

OFFSET -85.29 EL. 1881.76

4:1

EL. 1871.73

6:1

OFFSET -32.27 EL. 1873.87

-0.029 0.041 -0.041 -0.041

-0.041 -0.041 -0.040

FG EL. 1875.08

PRES. R.O.W. OFFSET 27.48

6:1

EL. 1872.12 OFFSET 36.00

EL. 1870.21

4:1

PRES. R.O.W. OFFSET 73.86

EL. 1878.52 OFFSET 84.67

PROP. R.O.W. OFFSET 122.37

CUT 1201
FILL 0

1285+50.00

PROP. R.O.W. OFFSET -124.03

OFFSET -85.30 EL. 1881.78

4:1

EL. 1871.96

6:1

OFFSET -32.94 EL. 1874.13

-0.031 0.039 -0.039 -0.040

-0.010 0.039 -0.039 -0.039

FG EL. 1875.33

PRES. R.O.W. OFFSET 3.04

6:1

EL. 1872.42 OFFSET 36.58

EL. 1870.66

4:1

PRES. R.O.W. OFFSET 85.07

EL. 1880.12 OFFSET 88.98

PROP. R.O.W. OFFSET 127.58

CUT 1327
FILL 0

1285+00.00

PS&E
FIELD
REVIEW

PROP. R.O.W. OFFSET -124.70

OFFSET 86.45 EL. 1881.87

4:1

EL. 1871.96

6:1

OFFSET -33.11 EL. 1874.25

-0.040 0.026 -0.026 -0.040

-0.010 0.026 -0.026 -0.026

FG EL. 1875.58

PRES. R.O.W. OFFSET 45.96

6:1

EL. 1873.16 OFFSET 35.15

EL. 1871.71

4:1

PRES. R.O.W. OFFSET 93.56

EL. 1881.46

PROP. R.O.W. OFFSET 133.12

CUT 1459
FILL 0

1284+50.00

S.R. 28

BEGIN STA. 1284+50.00
END STA. 1285+50.00

1900 1890 1880 1870 1860 1910

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)	71
PIH	2026	STP/NH/HPP-28(32)	69
PS&E	2026	STP/NH/HPP-28(32)	69

PS&E
FIELD
REVIEW

1287+00.00
CUT 650
FILL 0

PROP. R.O.W.
OFFSET -127.94

OFFSET -68.72
EL. 1876.91

4:1

EL. 1870.97

6:1

OFFSET -32.12
EL. 1873.12

-0.029
-0.010
0.041
0.041

℄ FG EL. 1874.33

PRES. R.O.W.
OFFSET -5.44

-0.041
-0.041
-0.041
-0.041
-0.040

EL. 1871.37
OFFSET 35.83

6:1

PRES. R.O.W.
OFFSET 44.46

EL. 1868.63

4:1

EL. 1873.98
OFFSET 77.68

PROP. R.O.W.
OFFSET 108.86

1286+50.00
CUT 942
FILL 0

PROP. R.O.W.
OFFSET -125.95

OFFSET -81.56
EL. 1880.36

4:1

EL. 1871.22

6:1

OFFSET -32.12
EL. 1873.37

-0.029
-0.010
0.041
0.041

FG EL. 1874.50

PRES. R.O.W.
OFFSET 6.25

-0.041
-0.041
-0.041
-0.041
-0.040

EL. 1871.62
OFFSET 35.83

6:1

PRES. R.O.W.
OFFSET 55.66

EL. 1869.16

4:1

EL. 1875.23
OFFSET 78.90

PROP. R.O.W.
OFFSET 114.01

1286+00.00
CUT 1138
FILL 0

PROP. R.O.W.
OFFSET -124.63

OFFSET 86.38
EL. 1881.82

4:1

EL. 1871.47

6:1

OFFSET -32.12
EL. 1873.62

-0.029
-0.010
0.041
0.041

FG EL. 1874.83

PRES. R.O.W.
OFFSET 17.22

-0.041
-0.041
-0.041
-0.041
-0.040

EL. 1871.87
OFFSET 35.83

6:1

PRES. R.O.W.
OFFSET 66.16

EL. 1869.68

4:1

EL. 1876.94
OFFSET 80.23

PROP. R.O.W.
OFFSET 116.51

S.R. 28

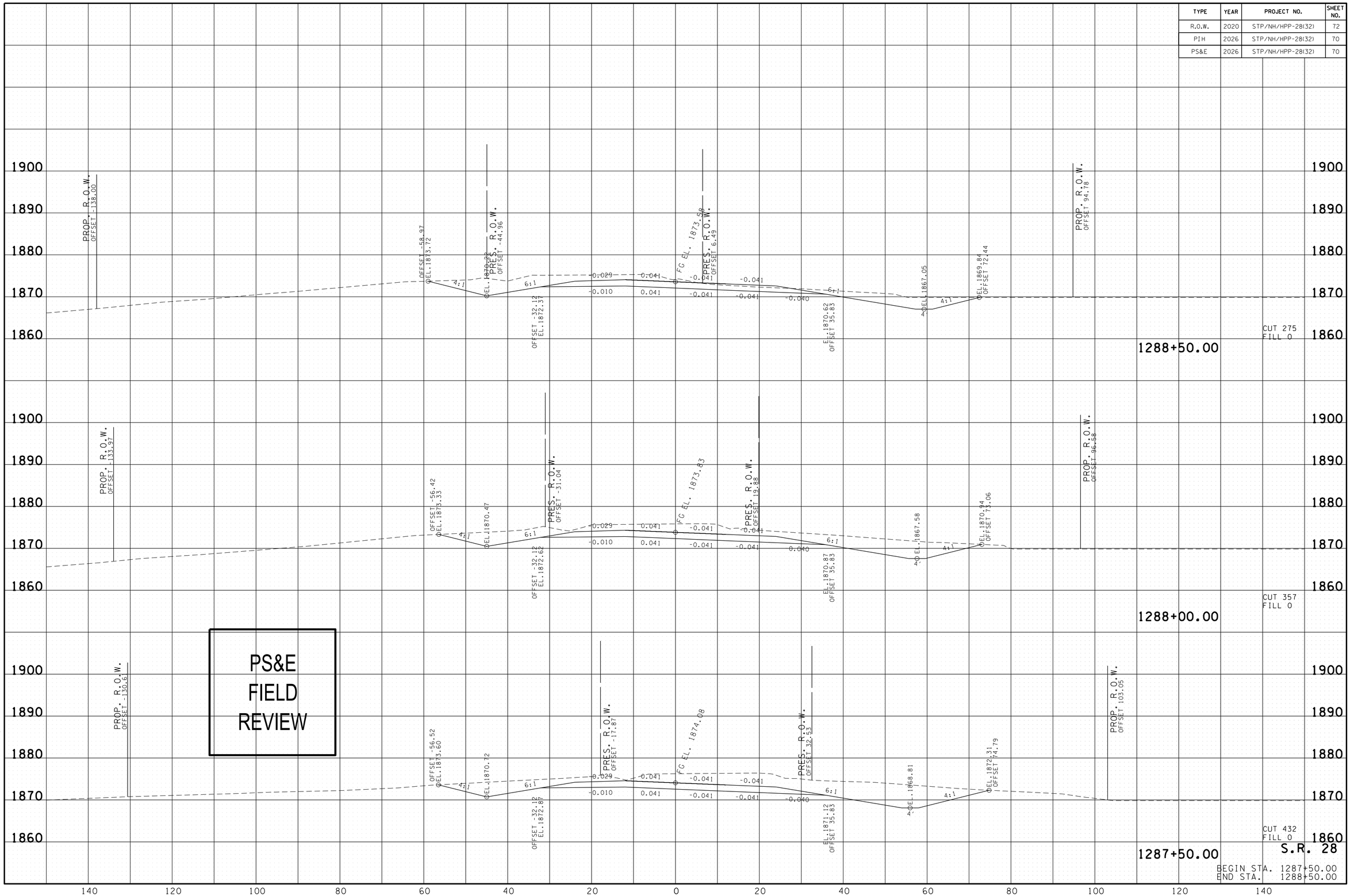
BEGIN STA. 1286+00.00
END STA. 1287+00.00

1900
1890
1880
1870
1860
1910

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

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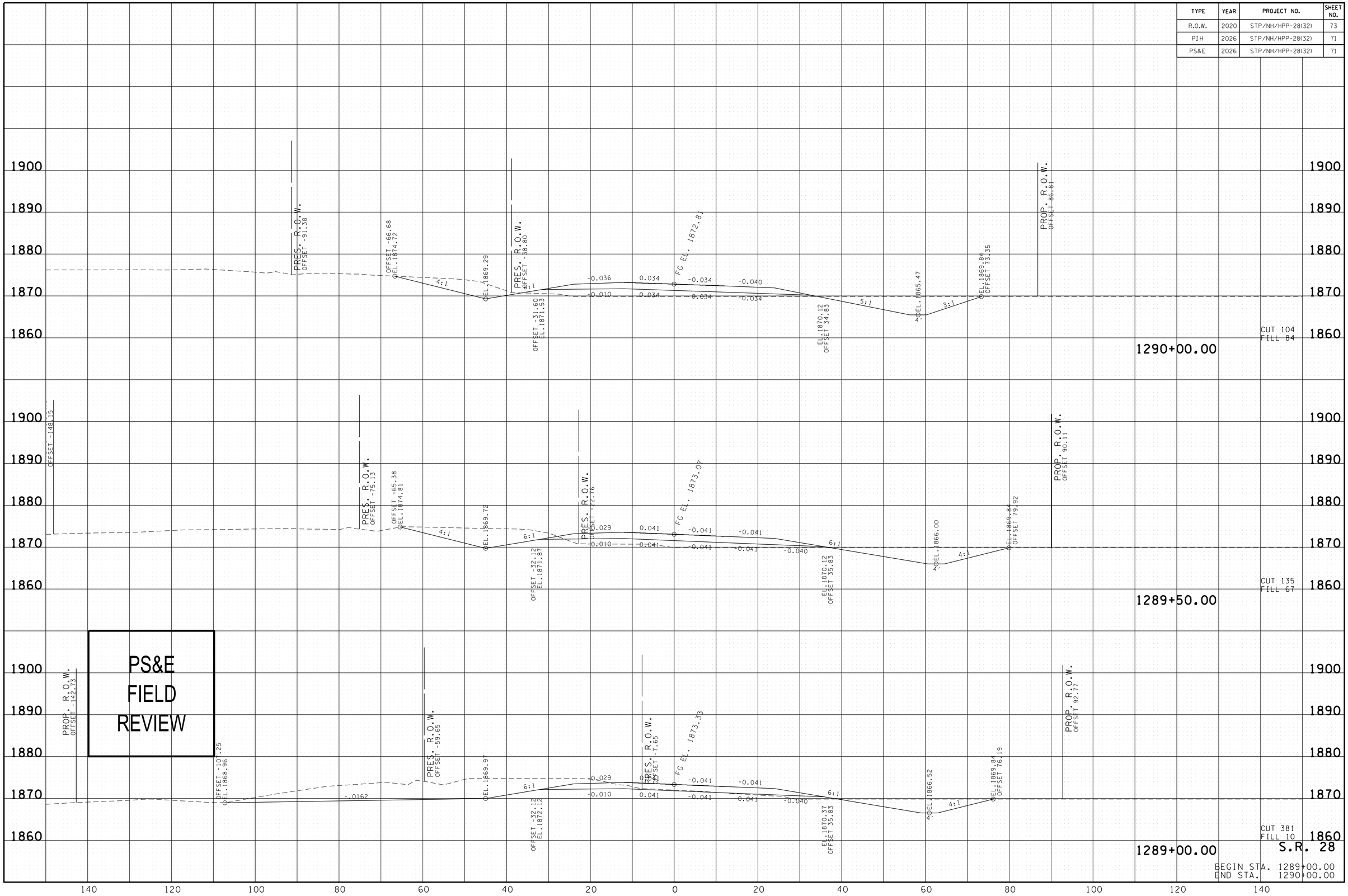
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	72
PIH	2026	STP/NH/HPP-28(32)	70
PS&E	2026	STP/NH/HPP-28(32)	70



PS&E
FIELD
REVIEW

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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

PRES. R.O.W. OFFSET -133.48
PRES. R.O.W. OFFSET -82.44
OFFSET -54.11 EL.1867.79
OFFSET -31.27 EL.1870.52
FG EL. 1871.97
EL. 1869.82 OFFSET 32.60
PROP. R.O.W. OFFSET 95.72
EL. 1865.26 OFFSET 83.40
EL. 1861.43
1291+50.00
CUT 12 FILL 645

PRES. R.O.W. OFFSET -122.06
PRES. R.O.W. OFFSET -70.40
OFFSET -49.32 EL.1869.01
OFFSET -31.27 EL.1870.81
FG EL. 1872.26
EL. 1870.11 OFFSET 32.60
EL. 1864.70
EL. 1865.90 OFFSET 74.95
PROP. R.O.W. OFFSET 92.87
1291+00.00
CUT 1 FILL 547

PRES. R.O.W. OFFSET -107.88
PRES. R.O.W. OFFSET -55.47
OFFSET -65.55 EL.1873.96
EL. 1868.82
OFFSET -31.26 EL.1871.11
FG EL. 1872.54
EL. 1870.32 OFFSET 32.87
EL. 1866.71
EL. 1872.04 OFFSET 79.85
PROP. R.O.W. OFFSET 89.71
1290+50.00
CUT 354 FILL 0
S.R. 28
BEGIN STA. 1290+50.00
END STA. 1291+50.00

PS&E FIELD REVIEW

1/30/2026
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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

PRES. R.O.W. OFFSET -151.08
PRES. R.O.W. OFFSET 101.05
OFFSET -50.20 ELEV. 1867.53
FG EL. 1871.06
OFFSET -31.28 ELEV. 1869.91
EL. 1868.91 OFFSET 32.59
EL. 1856.66 OFFSET 91.60
EL. 1856.91 OFFSET 89.60
PROP. R.O.W. OFFSET 103.70
-0.040 0.020 -0.020 -0.040
-0.010 0.020 -0.020 -0.020
6:1 4:1 2'
CUT 11 FILL 565
1293+00.00

PRES. R.O.W. OFFSET -147.96
PRES. R.O.W. OFFSET -97.75
OFFSET -53.43 ELEV. 1866.91
FG EL. 1871.37
OFFSET -31.28 ELEV. 1869.92
EL. 1869.22 OFFSET 32.59
EL. 1857.90
EL. 1859.77 OFFSET 83.34
PROP. R.O.W. OFFSET 101.05
-0.040 0.020 -0.020 -0.040
-0.010 0.020 -0.020 -0.020
6:1 4:1 2'
3.36:1 1.27' 3.25:1
CUT 4 FILL 745
1292+50.00

PRES. R.O.W. OFFSET -142.11
PRES. R.O.W. OFFSET -91.56
OFFSET -54.87 ELEV. 1867.26
FG EL. 1871.68
OFFSET -31.28 ELEV. 1870.23
EL. 1869.53 OFFSET 32.59
EL. 1859.26
EL. 1863.05 OFFSET 83.68
PROP. R.O.W. OFFSET 98.41
-0.040 0.020 -0.020 -0.040
-0.010 0.020 -0.020 -0.020
6:1 4:1 2'
3.07:1 1.25' 3.12:1
CUT 17 FILL 711
1292+00.00
S.R. 28
BEGIN STA. 1292+00.00
END STA. 1293+00.00

PS&E FIELD REVIEW

1900 1890 1880 1870 1860

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)	76
PIH	2026	STP/NH/HPP-28(32)	74
PS&E	2026	STP/NH/HPP-28(32)	74

PRES. R.O.W. OFFSET -148.96
PRES. R.O.W. OFFSET -88.94
OFFSET -58.24 ℄EL. 1869.65
℄EL. 1866.34
OFFSET -31.28 EL. 1868.63
FG EL. 1870.08
EL. 1867.95 OFFSET 32.59
℄EL. 1862.64 OFFSET 53.75
PROP. R.O.W. OFFSET 90.50
1294+50.00
CUT 53 FILL 77

PRES. R.O.W. OFFSET -150.24
PRES. R.O.W. OFFSET -100.23
OFFSET -53.13 ℄EL. 1868.71
℄EL. 1866.68
OFFSET -31.28 EL. 1868.97
FG EL. 1870.42
EL. 1868.27 OFFSET 32.59
℄EL. 1859.18 OFFSET 68.93
PROP. R.O.W. OFFSET 90.67
℄EL. 1857.44 OFFSET 103.86
℄EL. 1854.50
℄EL. 1857.20 OFFSET 120.87
PROP. DRAIN. EASE. OFFSET 134.85
1294+00.00
CUT 16 FILL 226

PRES. R.O.W. OFFSET -101.49
OFFSET -46.57 ℄EL. 1867.40
℄EL. 1867.01
FG EL. 1870.75
OFFSET -31.28 EL. 1869.28
EL. 1868.59 OFFSET 32.59
℄EL. 1858.95 OFFSET 71.8
℄EL. 1858.65 OFFSET 81.37
PROP. R.O.W. OFFSET 90.83
℄EL. 1855.32
℄EL. 1857.22 OFFSET 99.12
PROP. DRAIN. EASE. OFFSET 134.85
1293+50.00
CUT 0 FILL 443
S.R. 28
BEGIN STA. 1293+50.00
END STA. 1294+50.00

PS&E FIELD REVIEW

1900 1890 1880 1870 1860

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)	77
PIH	2026	STP/NH/HPP-28(32)	75
PS&E	2026	STP/NH/HPP-28(32)	75

PRES. R.O.W. OFFSET -145.11

PRES. R.O.W. OFFSET -95.10

OFFSET -56.31
EL. 1868.12

EL. 1865.29

4:1

6:1

OFFSET -31.28
EL. 1867.58

-0.040 -0.010

0.020 0.020

FG EL. 1869.03

-0.020 -0.020

-0.040 -0.020

6:1

EL. 1866.88
OFFSET 32.59

EL. 1864.81

EL. 1865.55
OFFSET 47.34

PROP. R.O.W. OFFSET 90.02

1296+00.00

CUT 87
FILL 1

PRES. R.O.W. OFFSET -146.40

PRES. R.O.W. OFFSET -96.38

OFFSET -56.97
EL. 1868.64

EL. 1865.65

4:1

6:1

OFFSET -31.28
EL. 1867.94

-0.040 -0.010

0.020 0.020

FG EL. 1869.39

-0.020 -0.020

-0.040 -0.020

6:1

EL. 1867.24
OFFSET 32.59

EL. 1865.17

EL. 1865.78
OFFSET 47.43

PROP. R.O.W. OFFSET 90.18

1295+50.00

CUT 85
FILL 0

PS&E
FIELD
REVIEW

PRES. R.O.W. OFFSET -147.68

PRES. R.O.W. OFFSET -97.66

OFFSET -59.62
EL. 1869.68

EL. 1866.00

4:1

6:1

OFFSET -31.28
EL. 1868.29

-0.040 -0.010

0.020 0.020

FG EL. 1869.74

-0.020 -0.020

-0.040 -0.020

6:1

EL. 1867.59
OFFSET 32.59

EL. 1865.19
OFFSET 47.01

PROP. R.O.W. OFFSET 90.34

1295+00.00

CUT 100
FILL 14

S.R. 28

BEGIN STA. 1295+00.00
END STA. 1296+00.00

1900 1890 1880 1870 1860

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)	78
PIH	2026	STP/NH/HPP-28(32)	76
PS&E	2026	STP/NH/HPP-28(32)	76

PRES. R.O.W.
OFFSET -141.27

PRES. R.O.W.
OFFSET -91.25

OFFSET -47.23
EL. 1864.73
EL. 1864.17

OFFSET -31.28
EL. 1866.46

FG EL. 1867.91

EL. 1865.76
OFFSET 32.59

EL. 1864.40
OFFSET 78.02

PROP. R.O.W.
OFFSET 89.53

6:1 -0.040 -0.010 0.020 0.020 -0.020 -0.020 -0.040 -0.020 6:1 4:1

CUT 3
FILL 479

1297+50.00

PRES. R.O.W.
OFFSET -142.55

PRES. R.O.W.
OFFSET -92.55

OFFSET -52.69
EL. 1866.47

EL. 1864.55

OFFSET -31.28
EL. 1866.84

FG EL. 1868.29

EL. 1866.14
OFFSET 32.59

EL. 1860.56
OFFSET 54.89

PROP. R.O.W.
OFFSET 89.69

6:1 -0.040 -0.010 0.020 0.020 -0.020 -0.020 -0.040 -0.020 6:1 4:1

CUT 19
FILL 161

1297+00.00

PRES. R.O.W.
OFFSET -143.83

PRES. R.O.W.
OFFSET -93.82

OFFSET -55.51
EL. 1867.55

EL. 1864.93

OFFSET -31.28
EL. 1867.21

FG EL. 1868.67

EL. 1866.51
OFFSET 32.59

EL. 1864.45
OFFSET 45.45

PROP. R.O.W.
OFFSET 89.85

6:1 -0.040 -0.010 0.020 0.020 -0.020 -0.020 -0.040 -0.020 6:1 4:1

CUT 51
FILL 22

1296+50.00

S.R. 28

BEGIN STA. 1296+50.00
END STA. 1297+50.00

PS&E
FIELD
REVIEW

1900 1890 1880 1870 1860

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

1/30/2026
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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

PRES. R.O.W. OFFSET -137.43
PRES. R.O.W. OFFSET -87.41
OFFSET -52.03 EL. 1864.73
4:1
EL. 1862.98
6:1
OFFSET -31.28 EL. 1865.26
-0.040 0.020 -0.020
-0.010 0.020 -0.020
FG EL. 1866.72
EL. 1864.98 SIDEROAD
OFFSET 12.00
PROP. R.O.W. OFFSET 89.04
1299+00.00
CUT 19
FILL 33

PRES. R.O.W. OFFSET -138.70
PRES. R.O.W. OFFSET -88.69
OFFSET -50.80 EL. 1864.83
4:1
EL. 1863.38
6:1
OFFSET -31.28 EL. 1865.67
-0.040 0.020 -0.020 -0.040
-0.010 0.020 -0.020 -0.020
FG EL. 1867.12
6:1
4:1
EL. 1861.55 OFFSET 46.28
EL. 1864.97 OFFSET 32.59
PROP. R.O.W. OFFSET 89.20
1298+50.00
CUT 12
FILL 109

PS&E
FIELD
REVIEW

PRES. R.O.W. OFFSET -139.99
PRES. R.O.W. OFFSET -89.97
OFFSET -49.44 EL. 1864.89
4:1
EL. 1863.78
6:1
OFFSET -31.28 EL. 1866.07
-0.040 0.020 -0.020 -0.040
-0.010 0.020 -0.020 -0.020
FG EL. 1867.52
6:1
4:1
EL. 1857.25 OFFSET 65.05
EL. 1861.37 OFFSET 32.59
PROP. R.O.W. OFFSET 89.37
1298+00.00
CUT 7
FILL 259
S.R. 28

BEGIN STA. 1298+00.00
END STA. 1299+00.00

1890 1880 1870 1860 1850

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)	80
PIH	2026	STP/NH/HPP-28(32)	78
PS&E	2026	STP/NH/HPP-28(32)	78

PRES. R.O.W.
OFFSET -134.88

PRES. R.O.W.
OFFSET -84.88

OFFSET -51.83
EL. 1863.42

4:1

EL. 1861.71

6:1

OFFSET -31.28
EL. 1864.00

-0.040
-0.010
0.020
0.020

FG EL. 1865.45

-0.020
-0.020
-0.040
-0.020

6:1

EL. 1863.30
OFFSET 32.59

EL. 1861.23

4:1

OFFSET 49.81
EL. 1862.43

CUT 26
FILL 20

1300+50.00

PRES. R.O.W.
OFFSET -135.58

PRES. R.O.W.
OFFSET -85.58

OFFSET -51.65
EL. 1863.80

4:1

EL. 1862.14

6:1

OFFSET -31.28
EL. 1864.43

-0.040
-0.010
0.020
0.020

FG EL. 1865.88

-0.020
-0.020

SIDEROAD ★★★ OFFSET 12.00

CUT 21
FILL 11

1300+00.00

PRES. R.O.W.
OFFSET -136.36

PRES. R.O.W.
OFFSET -86.35

OFFSET -51.85
EL. 1864.27

4:1

EL. 1862.56

6:1

OFFSET -31.28
EL. 1864.85

-0.040
-0.010
0.020
0.020

FG EL. 1866.30

-0.020
-0.020

EL. 1864.56
SIDEROAD ★★★ OFFSET 12.00

CUT 20
FILL 4

1299+50.00

S.R. 28

BEGIN STA. 1299+50.00
END STA. 1300+50.00

PS&E
FIELD
REVIEW

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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

PRES. R.O.W. OFFSET -132.80
PRES. R.O.W. OFFSET -82.79
OFFSET -62.39 ℄EL.1859.41
℄EL.1858.25
6:1
-0.040 0.020 -0.020 -0.040
-0.010 0.020 -0.020 -0.020
FG EL. 1864.11
6:1
OFFSET -31.28 EL.1862.66
EL.1861.96 OFFSET 32.59
3:1
℄EL.1846.29 OFFSET 79.60
PROP. R.O.W. OFFSET 144.00
1302+00.00
CUT 6
FILL 573

PRES. R.O.W. OFFSET -133.49
PRES. R.O.W. OFFSET -83.49
OFFSET -55.78 ℄EL.1860.85
℄EL.1859.76
6:1
-0.040 0.020 -0.020 -0.040
-0.010 0.020 -0.020 -0.020
FG EL. 1864.57
6:1
OFFSET -31.28 EL.1863.11
EL.1862.42 OFFSET 32.59
4:1
℄EL.1854.08 OFFSET 65.92
PROP. R.O.W. OFFSET 144.00
1301+50.00
CUT 5
FILL 302

PROP. R.O.W. OFFSET -141.70
PRES. R.O.W. OFFSET -134.19
PRES. R.O.W. OFFSET 84.18
OFFSET -48.71 ℄EL.1862.19
℄EL.1861.27
4:1
6:1
-0.040 0.020 -0.020 -0.040
-0.010 0.020 -0.020 -0.020
FG EL. 1865.01
6:1
OFFSET -31.28 EL.1863.56
EL.1862.86 OFFSET 32.59
℄EL.1859.27 OFFSET 54.12
1301+00.00
CUT 3
FILL 107
S.R. 28
BEGIN STA. 1301+00.00
END STA. 1302+00.00

PS&E FIELD REVIEW

1890 1880 1870 1860 1850

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)	82
PIH	2026	STP/NH/HPP-28(32)	80
PS&E	2026	STP/NH/HPP-28(32)	80

PS&E
FIELD
REVIEW

1303+50.00

PRES. R.O.W. OFFSET -130.52
PRES. R.O.W. OFFSET -80.51
OFFSET -65.75 EL. 1854.80
EL. 1853.72
4:1
6:1
-0.040 -0.010 0.020 0.020 -0.020 -0.020 -0.040 -0.020
FG EL. 1862.71
6:1
OFFSET -31.28 EL. 1861.25
EL. 1860.55 OFFSET 32.59
3:1
3:1
1.25
EL. 1837.48
EL. 1839.58 OFFSET 115.07
PROP. R.O.W. OFFSET 144.00
CUT 7
FILL 1358

1303+00.00

PRES. R.O.W. OFFSET -131.38
PRES. R.O.W. OFFSET -80.92
OFFSET -66.79 EL. 1856.79
OFFSET -50.23 EL. 1855.23
4:1
6:1
-0.040 -0.010 0.020 0.020 -0.020 -0.020 -0.040 -0.020
FG EL. 1863.18
6:1
OFFSET -31.28 EL. 1861.73
EL. 1861.03 OFFSET 32.59
3:1
3:1
1.25
EL. 1839.11
EL. 1839.11 OFFSET 107.85
EL. 1839.30 OFFSET 110.15
EL. 1838.37
EL. 1840.46 OFFSET 121.15
PROP. R.O.W. OFFSET 144.00
CUT 22
FILL 1026

1302+50.00

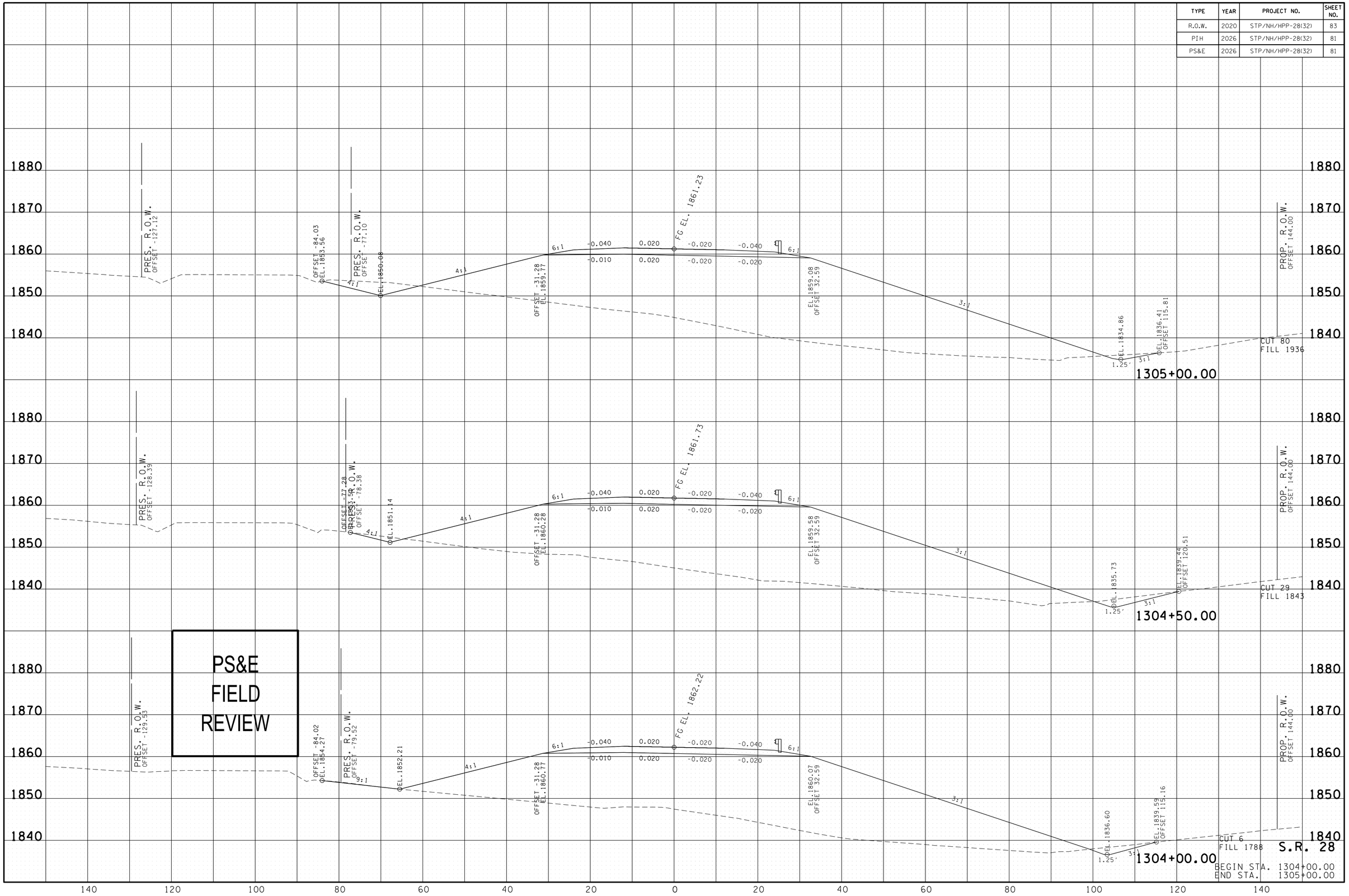
PRES. R.O.W. OFFSET -132.10
PRES. R.O.W. OFFSET -82.09
OFFSET -69.70 EL. 1858.16
EL. 1856.74
4:1
6:1
-0.040 -0.010 0.020 0.020 -0.020 -0.020 -0.040 -0.020
FG EL. 1863.65
6:1
OFFSET -31.28 EL. 1862.20
EL. 1861.50 OFFSET 32.59
3:1
3:1
1.25
EL. 1842.13 OFFSET 90.70
EL. 1840.43 OFFSET 124.11
EL. 1839.28
EL. 1841.27 OFFSET 136.25
PROP. R.O.W. OFFSET 144.00
CUT 15
FILL 808
S.R. 28
BEGIN STA. 1302+50.00
END STA. 1303+50.00

1880 1870 1860 1850 1840 1890

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)	83
PIH	2026	STP/NH/HPP-28(32)	81
PS&E	2026	STP/NH/HPP-28(32)	81



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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

PRES. R.O.W. OFFSET -122.46

PRES. R.O.W. OFFSET -72.42

OFFSET -76.98
OEL.1850.14

OEL.1848.47

4:1

6:1

-0.040 0.020 -0.020 -0.040

-0.010 0.020 -0.020 -0.020

FG EL. 1859.68

OFFSET -31.28
EL.1858.22

EL.1857.53
OFFSET 32.59

6:1

3:1

OEL.1831.71

5:1

OEL.1832.39
OFFSET 116.43

PROP. R.O.W. OFFSET 144.00

CUT 64
FILL 2200

1306+50.00

PRES. R.O.W. OFFSET -124.15

PRES. R.O.W. OFFSET -74.12

OFFSET -79.17
OEL.1849.10

OEL.1847.94

4:1

6:1

-0.040 0.020 -0.020 -0.040

-0.010 0.020 -0.020 -0.020

FG EL. 1860.20

OFFSET -31.28
EL.1858.75

EL.1858.05
OFFSET 32.59

6:1

3:1

OEL.1832.77

5:1

OEL.1834.83
OFFSET 121.75

PROP. R.O.W. OFFSET 144.00

CUT 109
FILL 2383

1306+00.00

PS&E
FIELD
REVIEW

PRES. R.O.W. OFFSET -125.71

PRES. R.O.W. OFFSET -75.68

OFFSET -92.11
OEL.1853.96

OEL.1849.01

4:1

4:1

6:1

-0.040 0.020 -0.020 -0.040

-0.010 0.020 -0.020 -0.020

FG EL. 1860.72

OFFSET -31.28
EL.1859.27

EL.1858.57
OFFSET 32.59

6:1

3:1

OEL.1833.83

5:1

OEL.1837.31
OFFSET 127.20

PROP. R.O.W. OFFSET 144.00

CUT 131
FILL 2101

1305+50.00

S.R. 28

BEGIN STA. 1305+50.00
END STA. 1306+50.00

1880 1870 1860 1850 1840

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)	85
PIH	2026	STP/NH/HPP-28(32)	83
PS&E	2026	STP/NH/HPP-28(32)	83

PRES. R.O.W.
OFFSET -116.53

OFFSET -66.17
EL. 1852.93

EL. 1851.66

6:1

4:1

-0.040 0.020 -0.020 -0.040

-0.010 0.020 -0.020 -0.020

FG EL. 1858.08

6:1

OFFSET -31.28
EL. 1856.62

EL. 1855.92
OFFSET 32.59

4:1

EL. 1847.04
OFFSET 68.14

PROP. R.O.W.
OFFSET 144.00

CUT 11
FILL 582

1308+00.00

PRES. R.O.W.
OFFSET -118.64

OFFSET -73.19
EL. 1851.22

EL. 1850.59

PRES. R.O.W.
OFFSET -68.60

6:1

-0.040 0.020 -0.020 -0.040

-0.010 0.020 -0.020 -0.020

FG EL. 1858.61

6:1

OFFSET -31.28
EL. 1857.16

EL. 1856.46
OFFSET 32.59

4:1

EL. 1844.15
OFFSET 81.84

PROP. R.O.W.
OFFSET 144.00

CUT 23
FILL 995

1307+50.00

PRES. R.O.W.
OFFSET -120.62

OFFSET -68.69
EL. 1850.13

EL. 1849.53

PRES. R.O.W.
OFFSET -70.58

4:1

6:1

-0.040 0.020 -0.020 0.040

-0.010 0.020 -0.020 -0.020

FG EL. 1859.15

6:1

OFFSET -31.28
EL. 1857.69

EL. 1856.99
OFFSET 32.59

3:1

EL. 1838.07
OFFSET 89.36

PROP. R.O.W.
OFFSET 144.00

CUT 11
FILL 1359

1307+00.00

S.R. 28

BEGIN STA. 1307+00.00
END STA. 1308+00.00

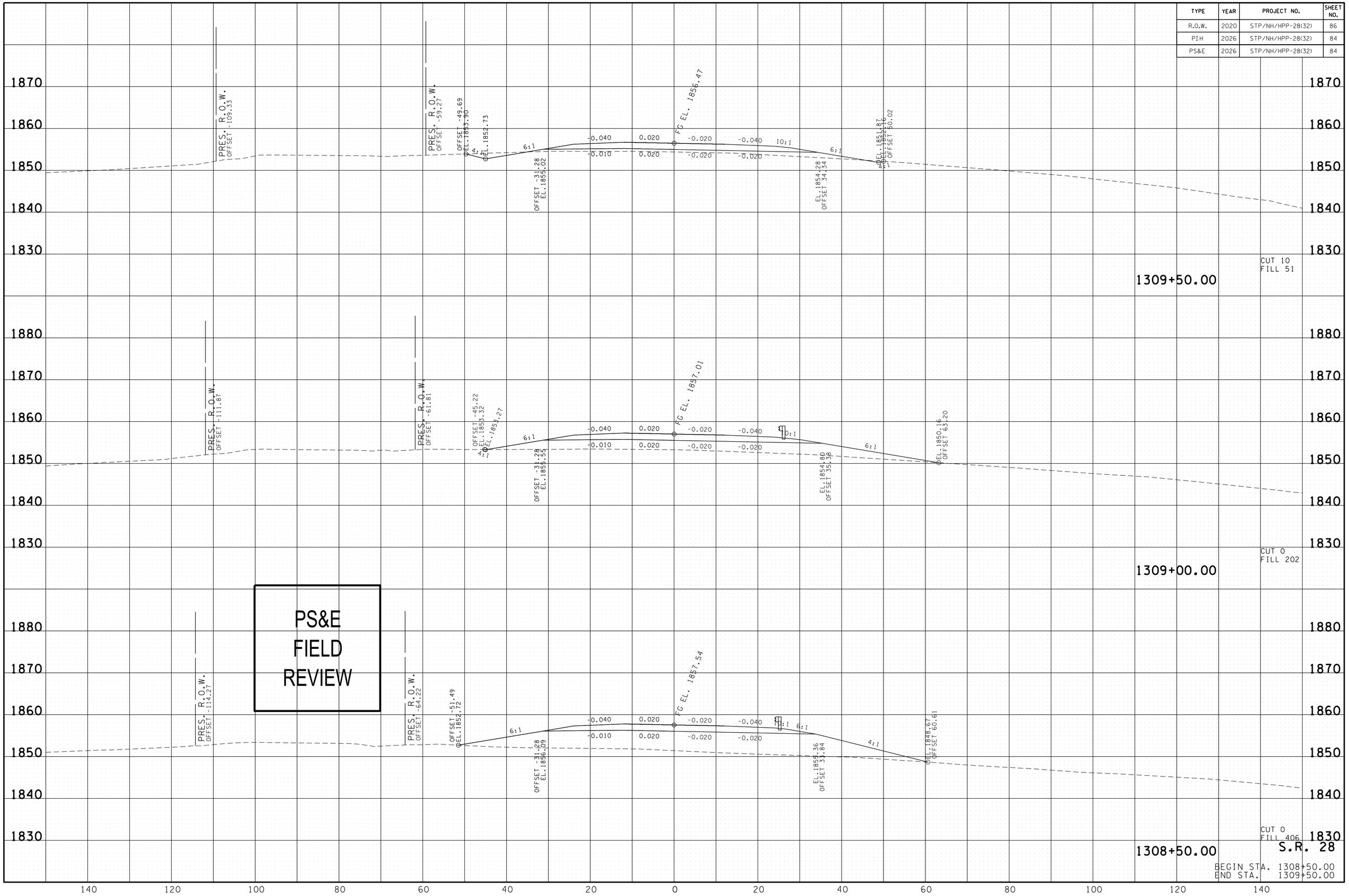
PS&E
FIELD
REVIEW

1880 1870 1860 1850 1840 1830

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

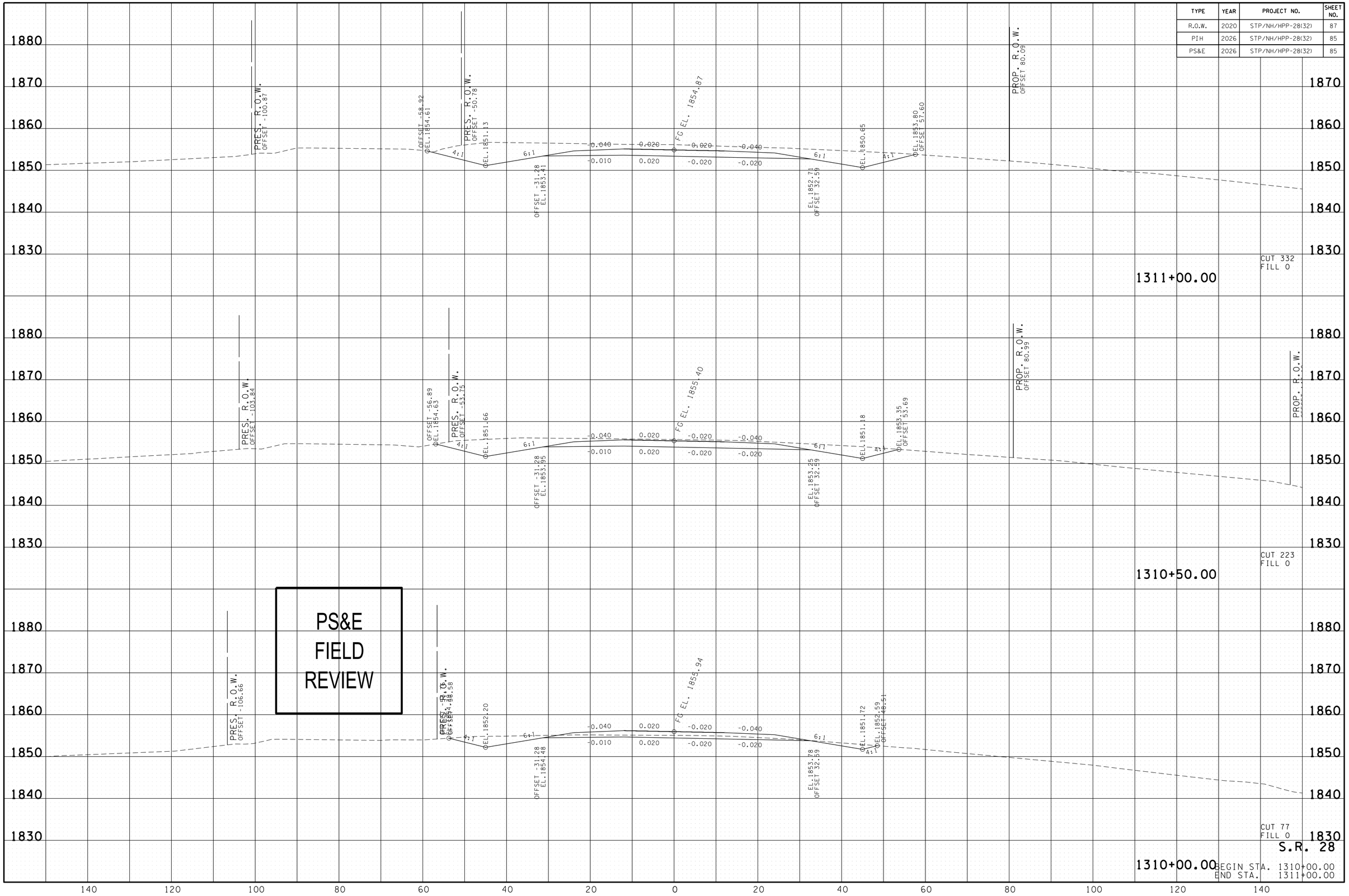
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	86
PIH	2026	STP/NH/HPP-28(32)	84
PS&E	2026	STP/NH/HPP-28(32)	84



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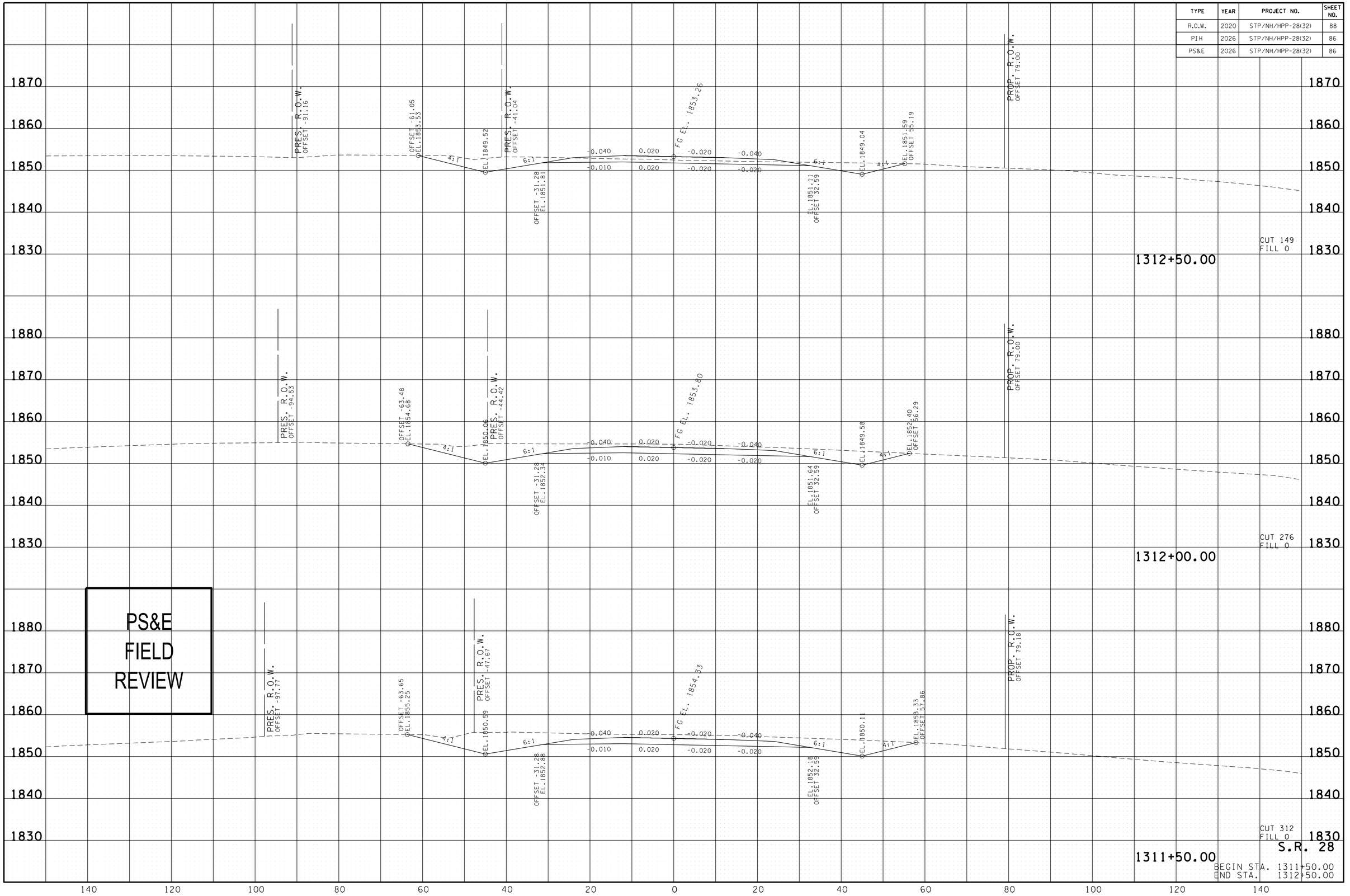
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	87
PIH	2026	STP/NH/HPP-28(32)	85
PS&E	2026	STP/NH/HPP-28(32)	85



PS&E FIELD REVIEW

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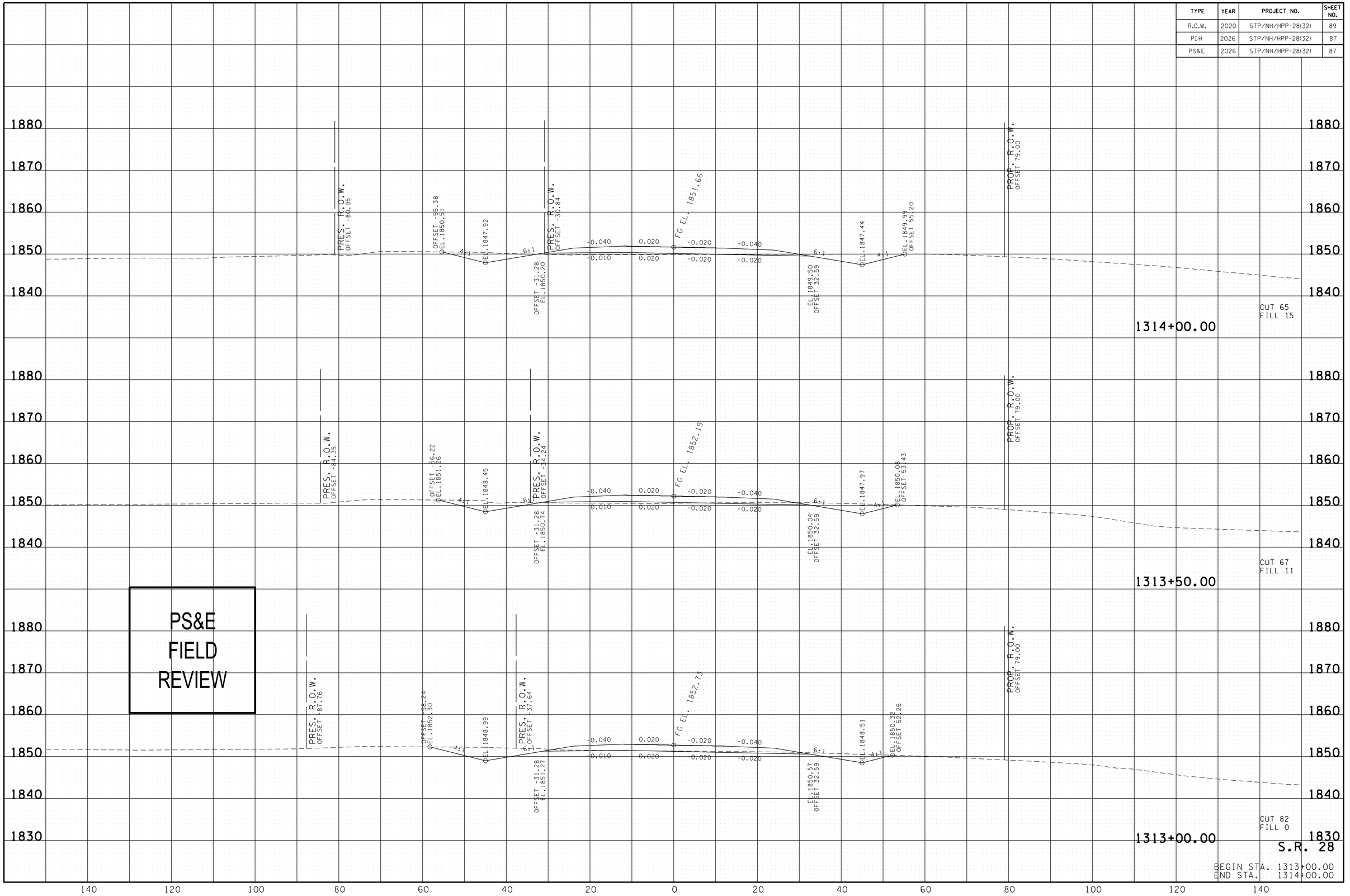
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	88
PIH	2026	STP/NH/HPP-28(32)	86
PS&E	2026	STP/NH/HPP-28(32)	86



PS&E
FIELD
REVIEW

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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



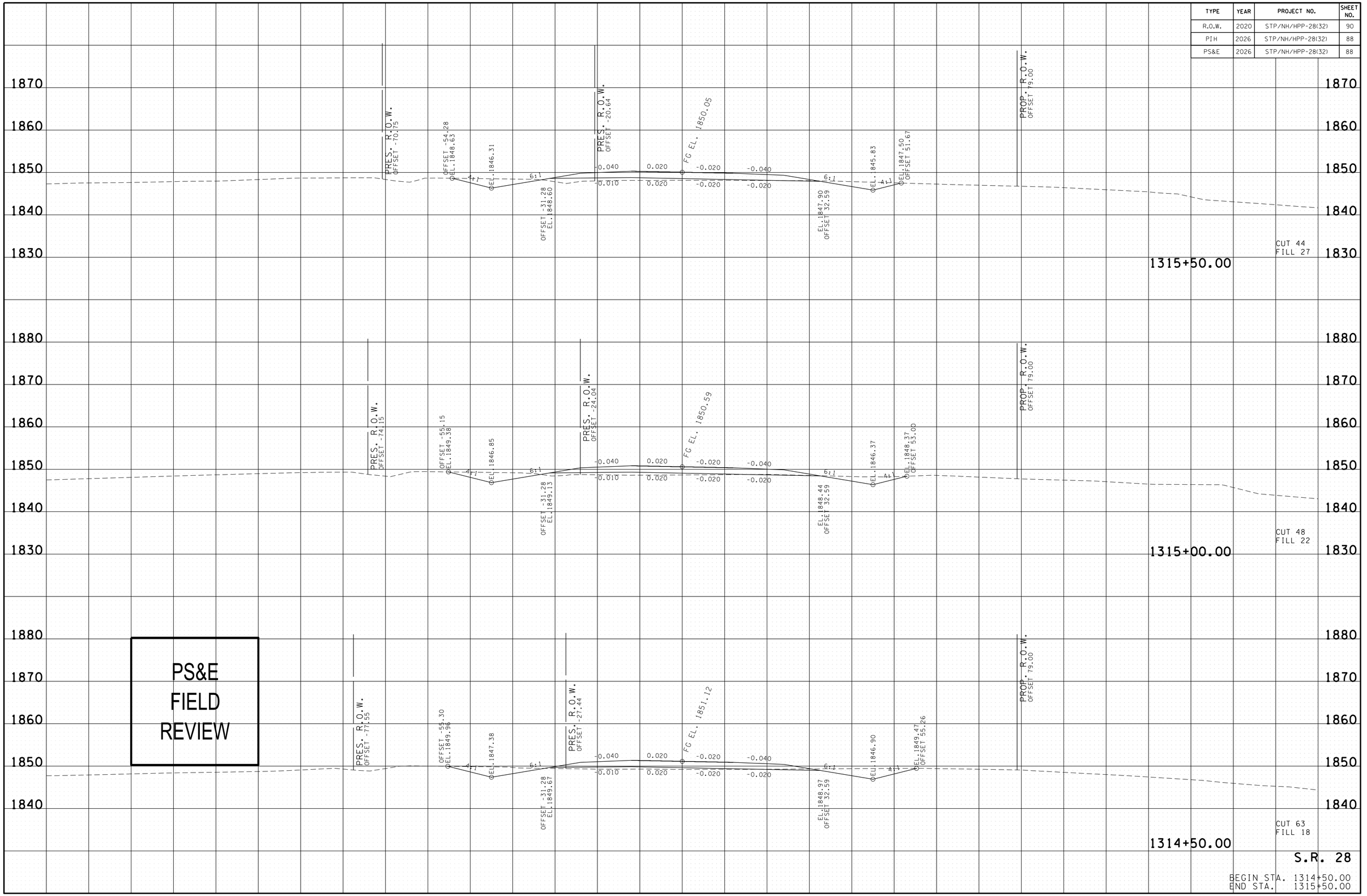
PS&E
FIELD
REVIEW

S.R. 28

BEGIN STA. 1313+00.00
END STA. 1314+00.00

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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



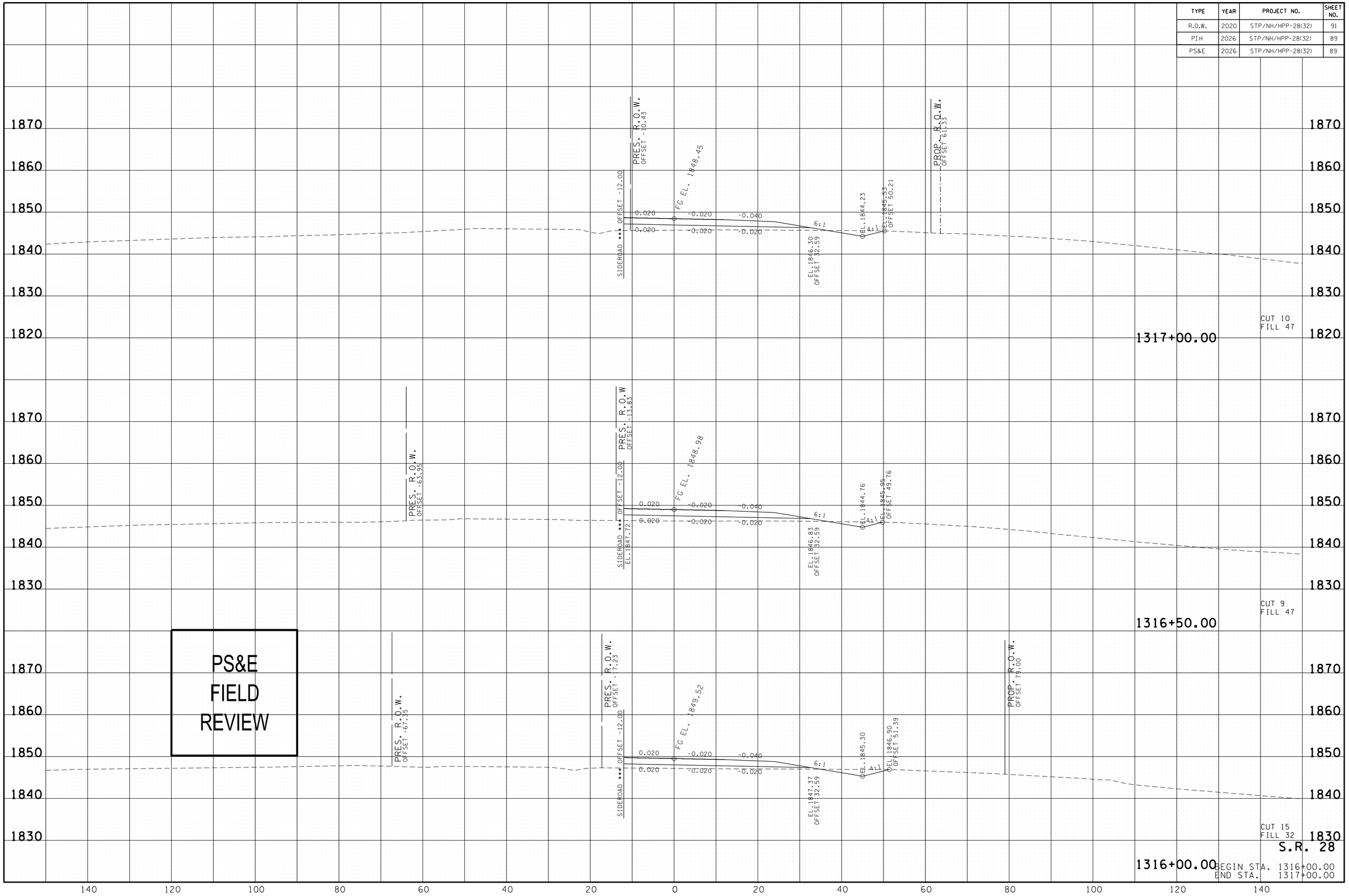
PS&E
FIELD
REVIEW

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



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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

PROP. R.O.W.
OFFSET -145.10

PRES. R.O.W.
OFFSET -51.29

PRES. R.O.W.
OFFSET -53.44
OFFSET -47.79
EL. 1843.93
EL. 1845.23

OFFSET -31.81
EL. 1845.43

PRES. R.O.W.
OFFSET 31.29

FG EL. 1847.38

-0.040 -0.014 0.014 -0.040
-0.014 -0.014 -0.014 -0.010
6:1 6:1

EL. 1845.86
OFFSET 31.28

EL. 1843.11

PROP. R.O.W.
OFFSET 63.36

EL. 1843.76
OFFSET 54.31

CUT 22
FILL 83

1318+00.00

PROP. R.O.W.
OFFSET -137.02

PS&E
FIELD
REVIEW

PRES. R.O.W.
OFFSET -51.12

OFFSET -48.96
EL. 1844.97
EL. 1843.98

OFFSET -31.28
EL. 1846.27

PRES. R.O.W.
OFFSET -7.00

FG EL. 1847.91

-0.040 0.004 -0.004 -0.040
-0.010 -0.004 -0.004 -0.010
6:1 6:1

EL. 1846.17
OFFSET 31.28

EL. 1843.88

PROP. R.O.W.
OFFSET 62.20

EL. 1844.65
OFFSET 52.08

CUT 21
FILL 92

1317+50.00

S.R. 28

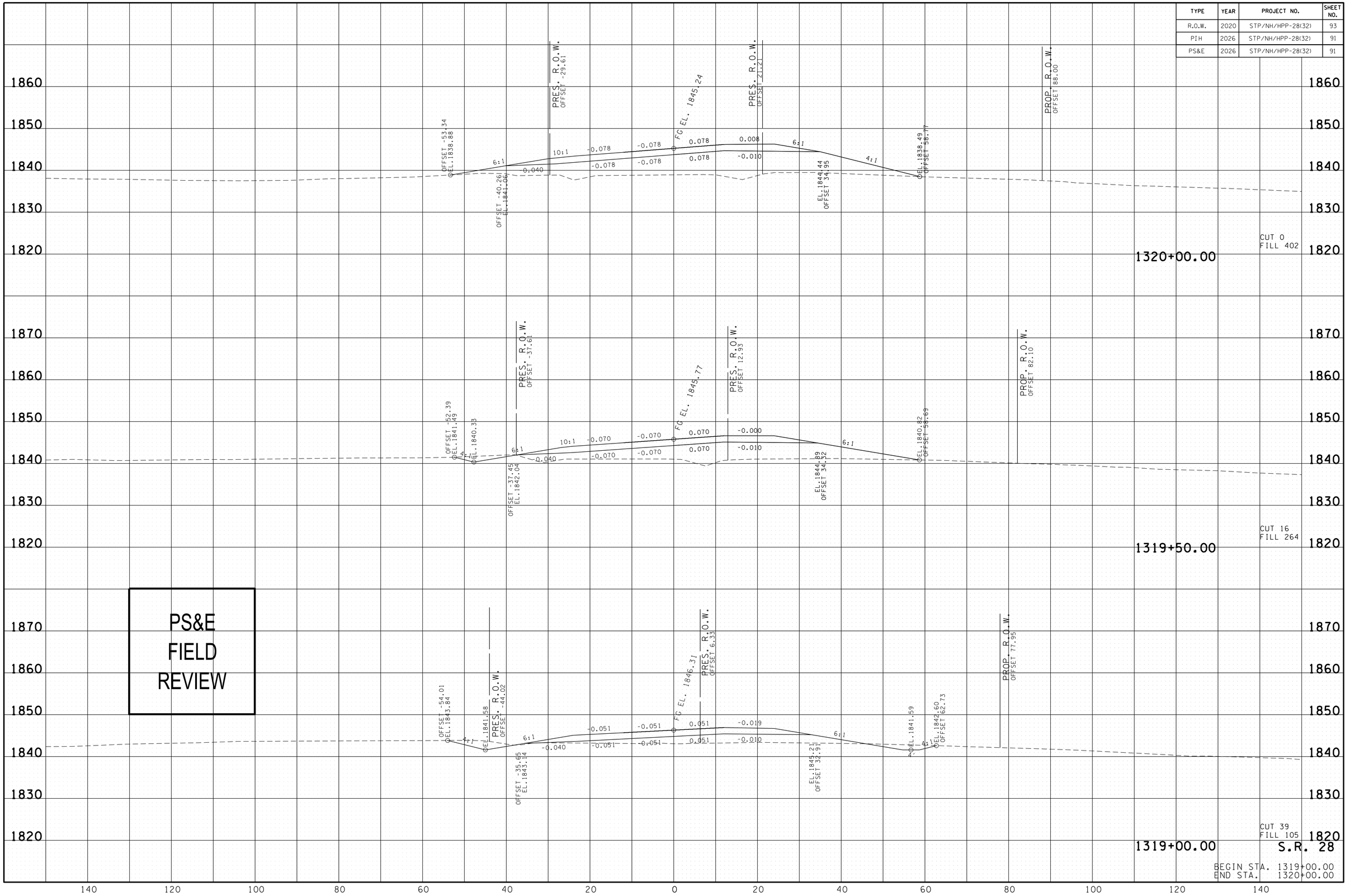
BEGIN STA. 1317+50.00
END STA. 1318+50.00

1860 1850 1840 1830 1820 1870

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

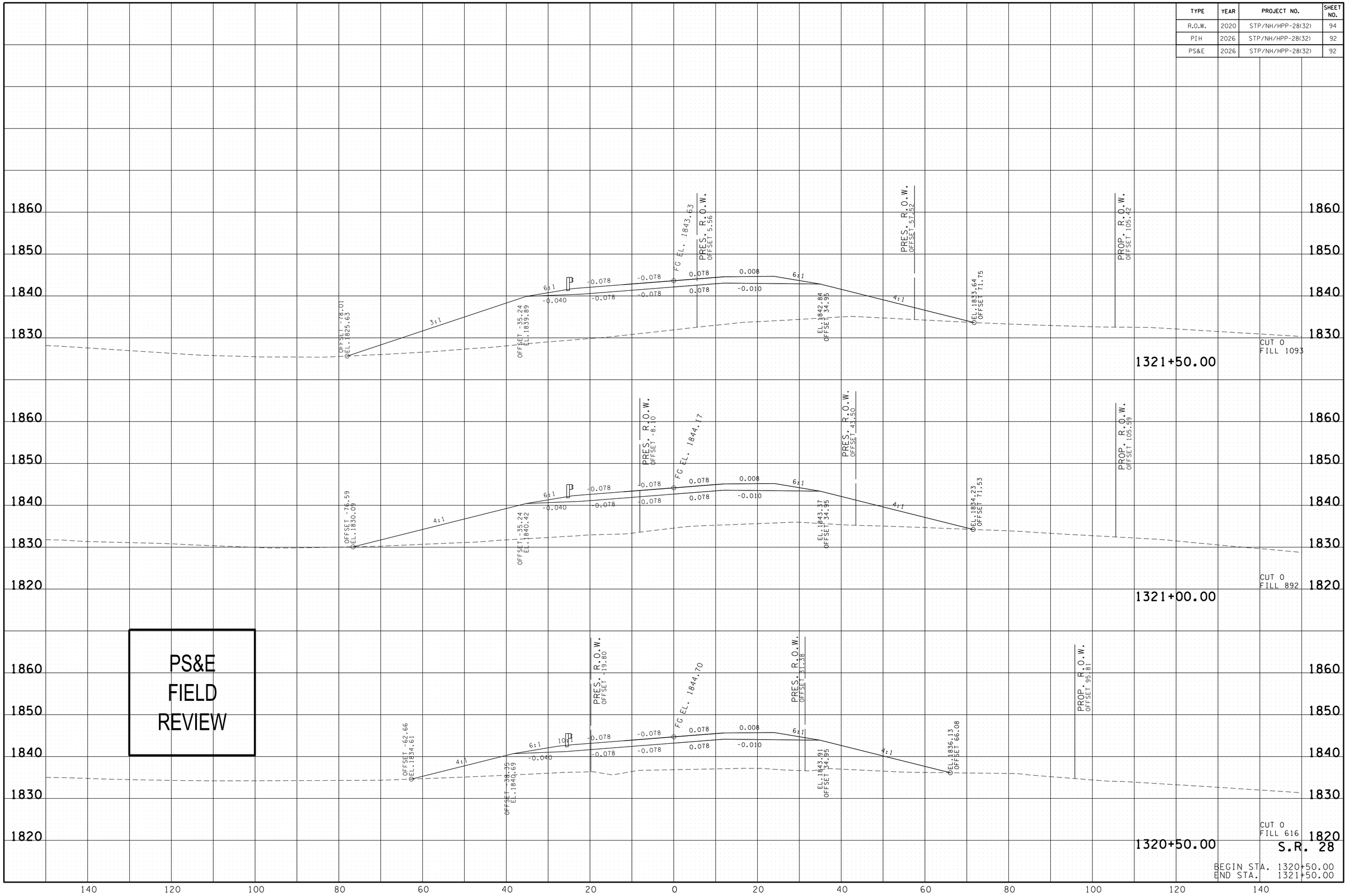
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	93
PIH	2026	STP/NH/HPP-28(32)	91
PS&E	2026	STP/NH/HPP-28(32)	91



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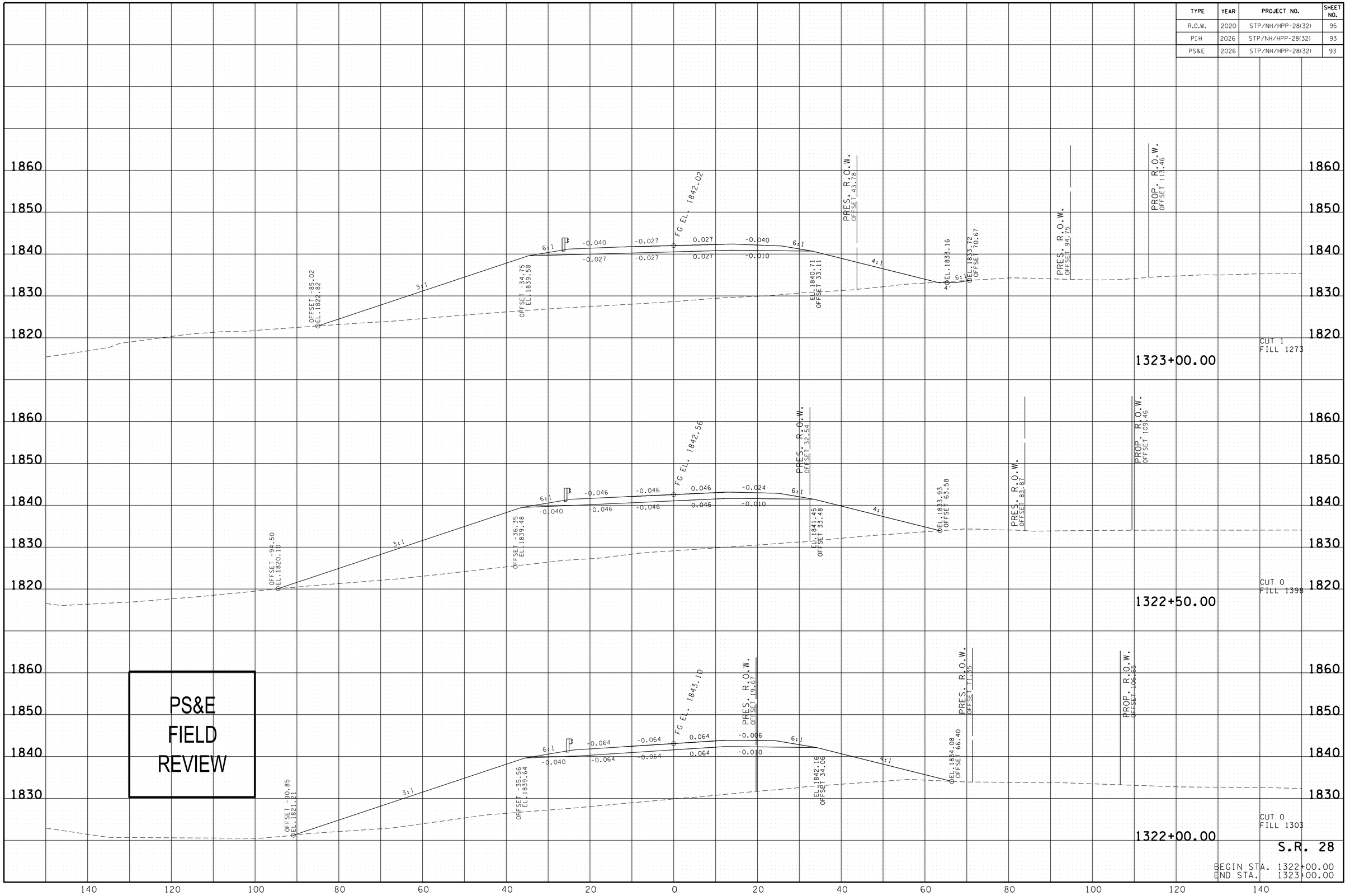
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	94
PIH	2026	STP/NH/HPP-28(32)	92
PS&E	2026	STP/NH/HPP-28(32)	92



PS&E
FIELD
REVIEW

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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



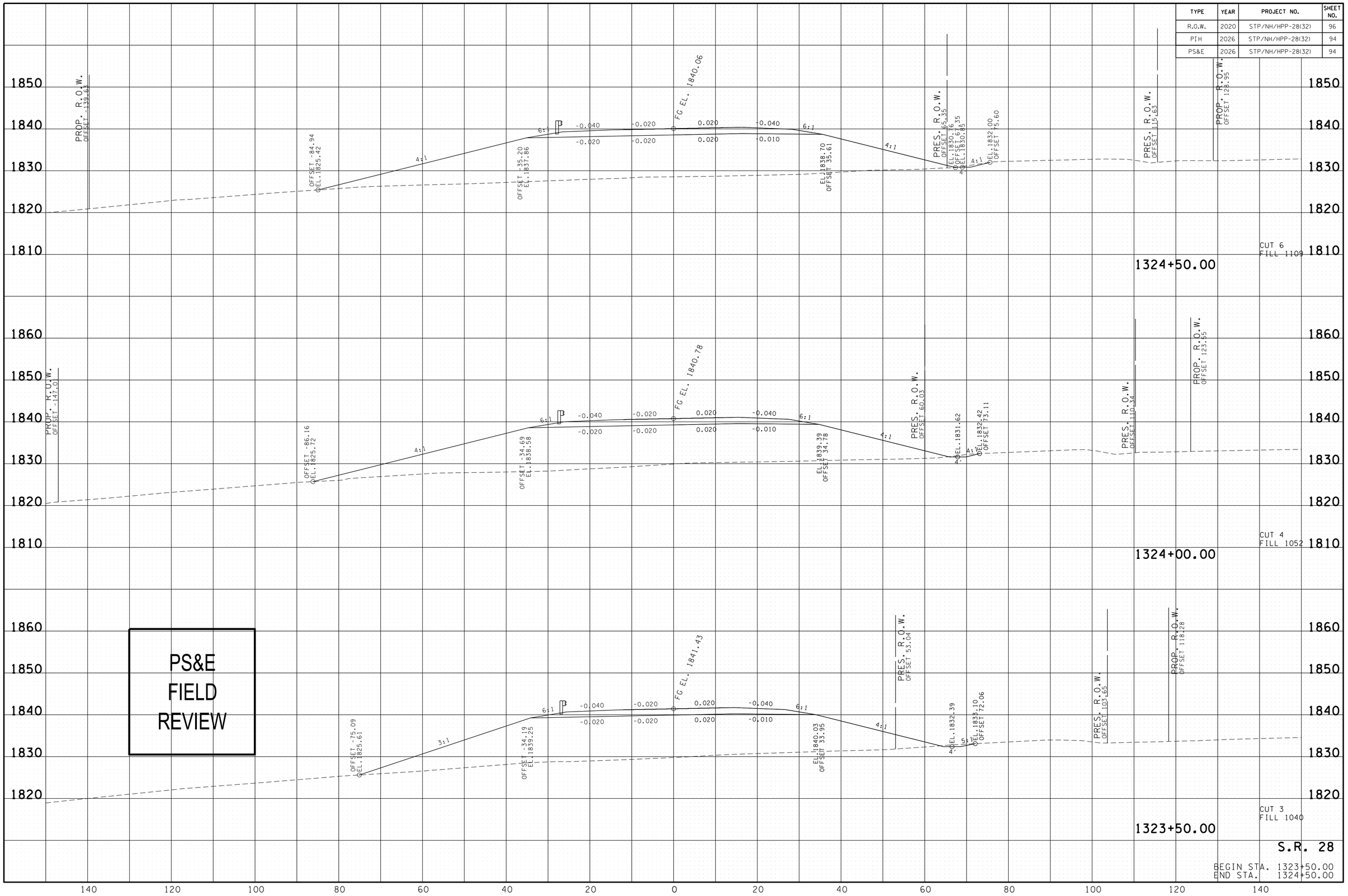
PS&E
FIELD
REVIEW

S.R. 28

BEGIN STA. 1322+00.00
END STA. 1323+00.00

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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

PROP. R.O.W.
OFFSET -117.40

OFFSET -77.92
@EL. 1825.39

4:1

6:1 10:1 -0.040 -0.020 -0.020 -0.020 FG EL. 1837.55 0.020 0.020 -0.040 -0.010

OFFSET -38.35
EL. 1835.28

EL. 1836.22
OFFSET 37.28

6:1

@EL. 1830.57
OFFSET 71.17

PRES. R.O.W.
OFFSET 81.16

PRES. R.O.W.
OFFSET 131.43

PROP. R.O.W.
OFFSET 145.11

1326+00.00

CUT 0
FILL 920

PROP. R.O.W.
OFFSET -124.81

OFFSET -95.13
@EL. 1822.99

4:1

6:1 10:1 -0.040 -0.020 -0.020 -0.020 FG EL. 1838.45 0.020 0.020 -0.040 -0.010

OFFSET -38.34
EL. 1836.18

EL. 1837.12
OFFSET 37.28

6:1

4:1

@EL. 1829.30
OFFSET 75.89

PRES. R.O.W.
OFFSET 76.54

@EL. 1830.30
OFFSET 76.54

PRES. R.O.W.
OFFSET 120.16

PROP. R.O.W.
OFFSET 139.72

1325+50.00

CUT 0
FILL 1133

PS&E
FIELD
REVIEW

PROP. R.O.W.
OFFSET -132.22

OFFSET -90.75
@EL. 1823.50

4:1

6:1 10:1 -0.040 -0.020 -0.020 -0.020 FG EL. 1839.29 0.020 0.020 -0.040 -0.010

OFFSET -36.52
EL. 1837.06

EL. 1837.94
OFFSET 36.44

6:1

4:1

@EL. 1830.01
OFFSET 70.62

PRES. R.O.W.
OFFSET 70.62

@EL. 1831.15
OFFSET 76.18

PRES. R.O.W.
OFFSET 120.89

PROP. R.O.W.
OFFSET 134.34

1325+00.00

CUT 9
FILL 1216

S.R. 28

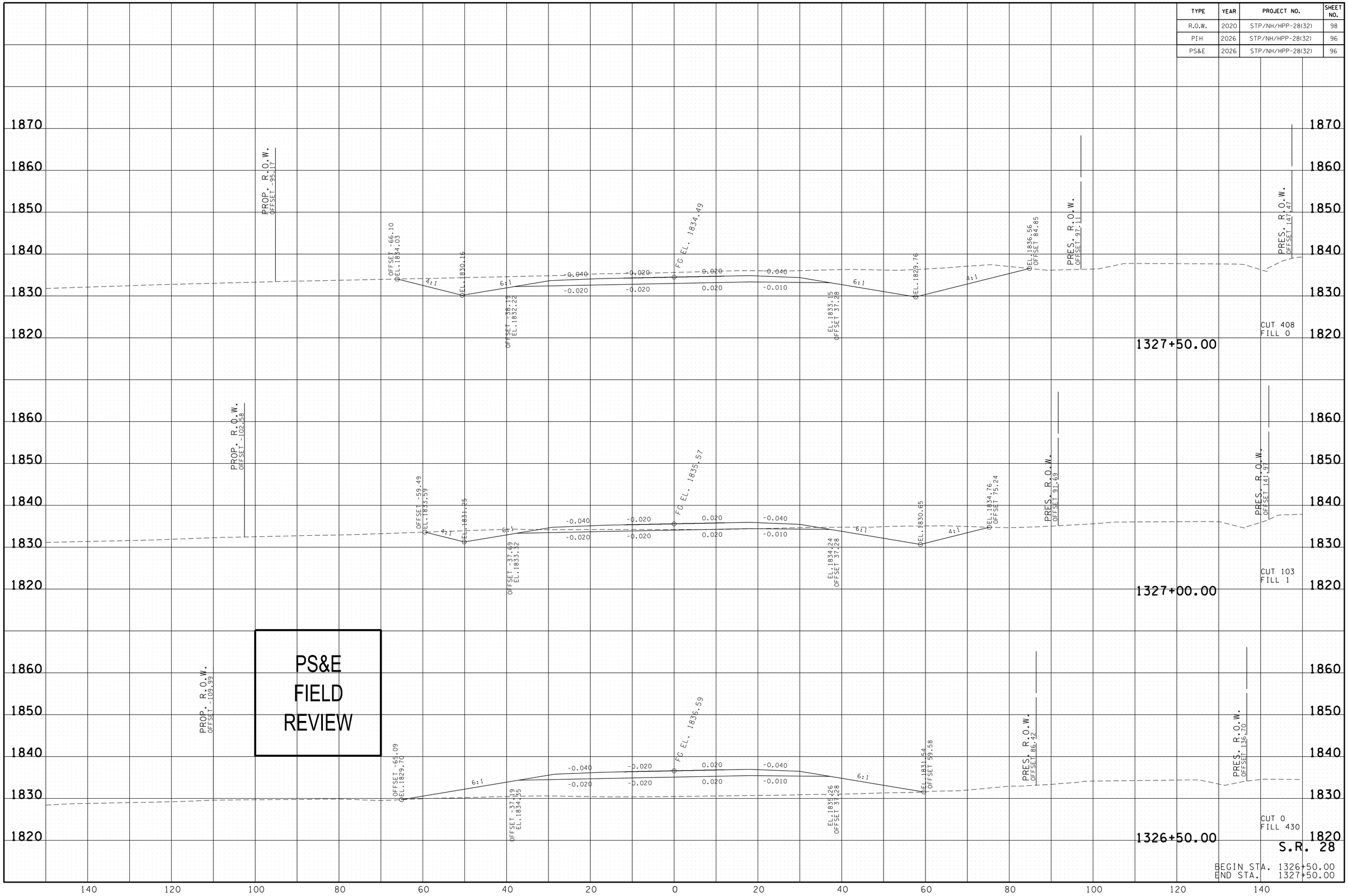
BEGIN STA. 1325+00.00
END STA. 1326+00.00

1860 1850 1840 1830 1820 1810

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

1/30/2026
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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

PROP. R.O.W.
OFFSET -77.72

SIDEROAD *** OFFSET -18.00

FG EL. 1830.87

-0.020 0.020
-0.020 0.020

EL. 1829.73
SIDEROAD *** OFFSET 18.00

CUT 21
FILL 0

1329+00.00

PROP. R.O.W.
OFFSET -82.74

OFFSET -60.28
EL. 1830.12

4:1 6:1

EL. 1827.80

OFFSET -38.59
EL. 1829.87

-0.040 -0.020 0.020 -0.040
-0.020 -0.020 0.020 -0.010

FG EL. 1832.14

EL. 1830.81
OFFSET 37.28

6:1 4:1

EL. 1827.98

EL. 1835.00
OFFSET 82.36

PRES. R.O.W.
OFFSET 112.00

CUT 286
FILL 0

1328+50.00

PS&E
FIELD
REVIEW

PROP. R.O.W.
OFFSET -87.76

OFFSET -66.28
EL. 1832.83

4:1 6:1

EL. 1829.00

OFFSET -38.59
EL. 1831.07

-0.040 -0.020 0.020 -0.040
-0.020 -0.020 0.020 -0.010

FG EL. 1833.34

EL. 1832.01
OFFSET 37.28

6:1 4:1

EL. 1828.87

EL. 1836.39
OFFSET 86.24

PRES. R.O.W.
OFFSET 103.80

CUT 436
FILL 0

1328+00.00

S.R. 28

BEGIN STA. 1328+00.00
END STA. 1329+00.00

1850 1840 1830 1820 1860

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)	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 -69.02
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
0.020

-0.010

6:1

EL. 1825.38
OFFSET 37.28

EL. 1823.09

4:1

EL. 1831.51
OFFSET 84.69

1330+50.00

CUT 679
FILL 0

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

1330+00.00

CUT 104
FILL 0

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

1329+50.00

CUT 88
FILL 0

S.R. 28

BEGIN STA. 1329+50.00
END STA. 1330+50.00

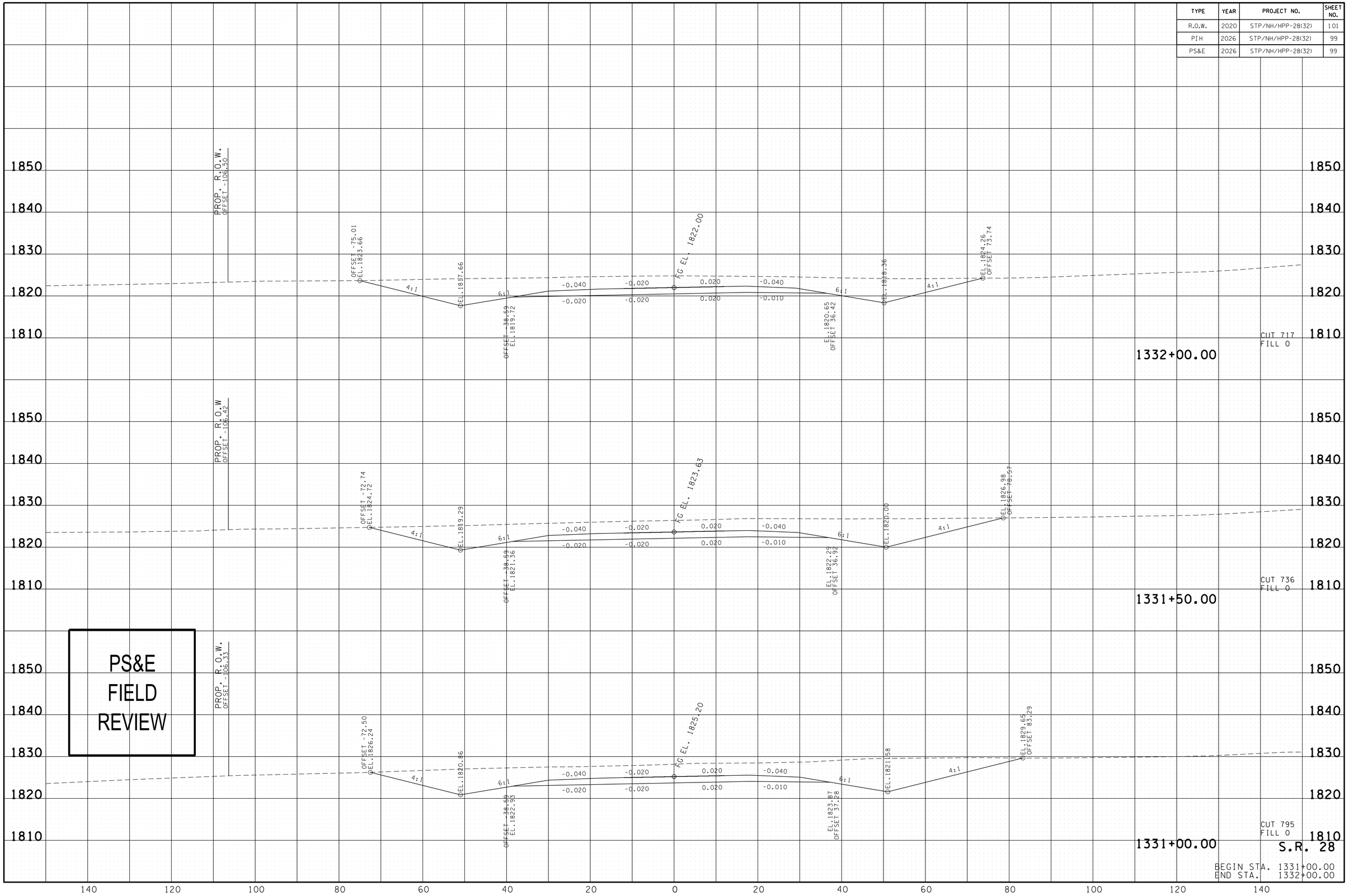
PS&E
FIELD
REVIEW

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



PS&E FIELD REVIEW

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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

PROP. R.O.W.
OFFSET -104.41

OFFSET -67.61
EL. 1816.54

4:1

EL. 1812.39

6:1

OFFSET -38.59
EL. 1814.46

-0.040
-0.020
-0.020

-0.020
-0.020
0.020

FG EL. 1816.73

0.020
0.040
0.020

-0.010
6:1

EL. 1815.35
OFFSET 34.92

EL. 1813.06

4:1

EL. 1821.89
OFFSET 83.96

CUT 477
FILL 0

1333+50.00

PROP. R.O.W.
OFFSET -106.17

OFFSET -75.01
EL. 1820.21

4:1

EL. 1814.21

6:1

OFFSET -38.59
EL. 1816.27

-0.040
-0.020
-0.020

-0.020
-0.020
0.020

FG EL. 1818.55

0.020
0.040
0.020

-0.010
6:1

EL. 1817.18
OFFSET 35.42

EL. 1814.89

4:1

EL. 1820.97
OFFSET 73.45

CUT 557
FILL 0

1333+00.00

PROP. R.O.W.
OFFSET -106.59

OFFSET -74.57
EL. 1821.85

4:1

EL. 1815.96

6:1

OFFSET -38.59
EL. 1818.03

-0.040
-0.020
-0.020

-0.020
-0.020
0.020

FG EL. 1820.30

0.020
0.040
0.020

-0.010
6:1

EL. 1818.94
OFFSET 35.92

EL. 1816.65

4:1

EL. 1821.89
OFFSET 70.57

CUT 626
FILL 0

1332+50.00

PS&E
FIELD
REVIEW

S.R. 28

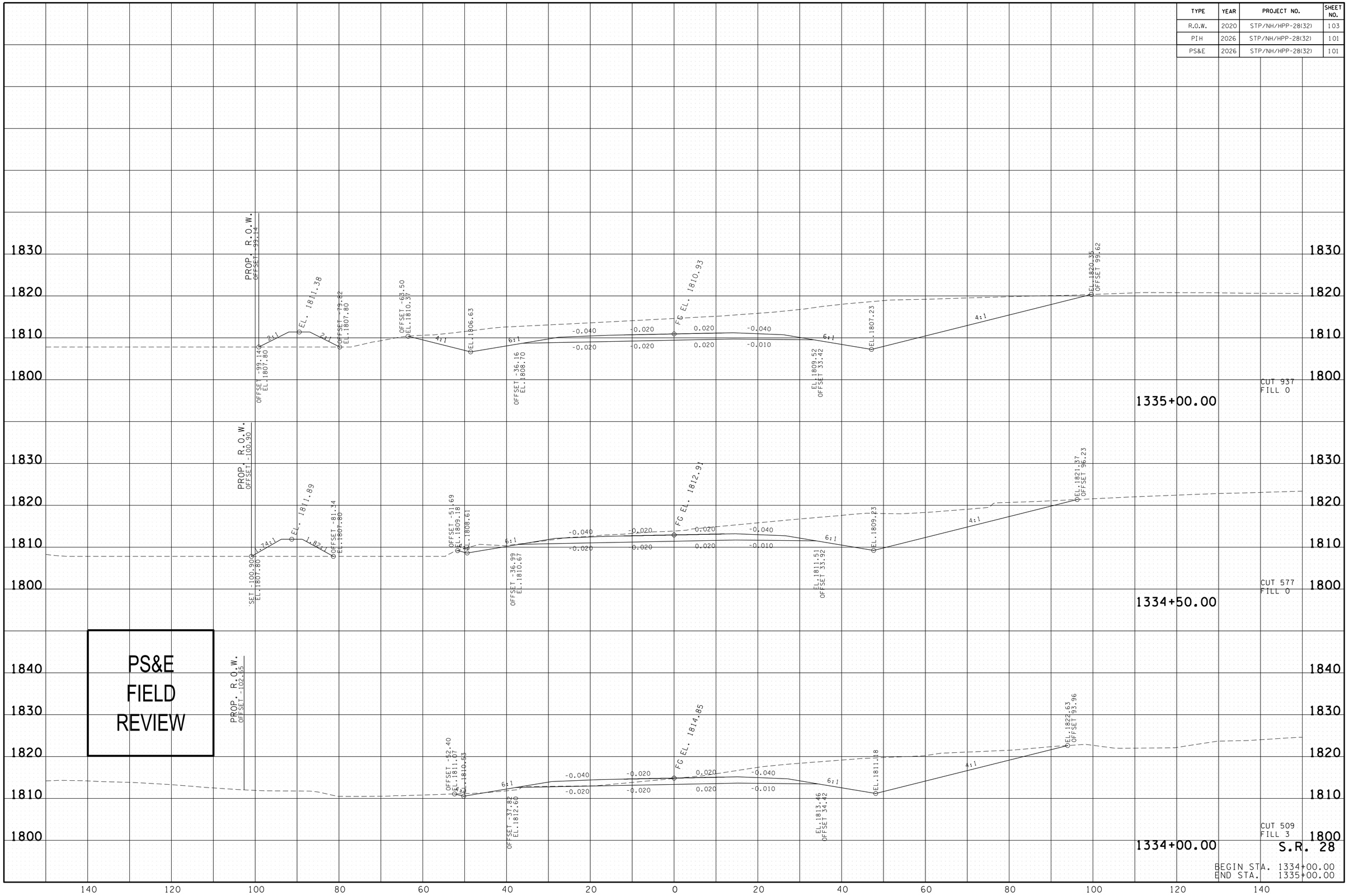
BEGIN STA. 1332+50.00
END STA. 1333+50.00

1840 1830 1820 1810 1800 1850

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

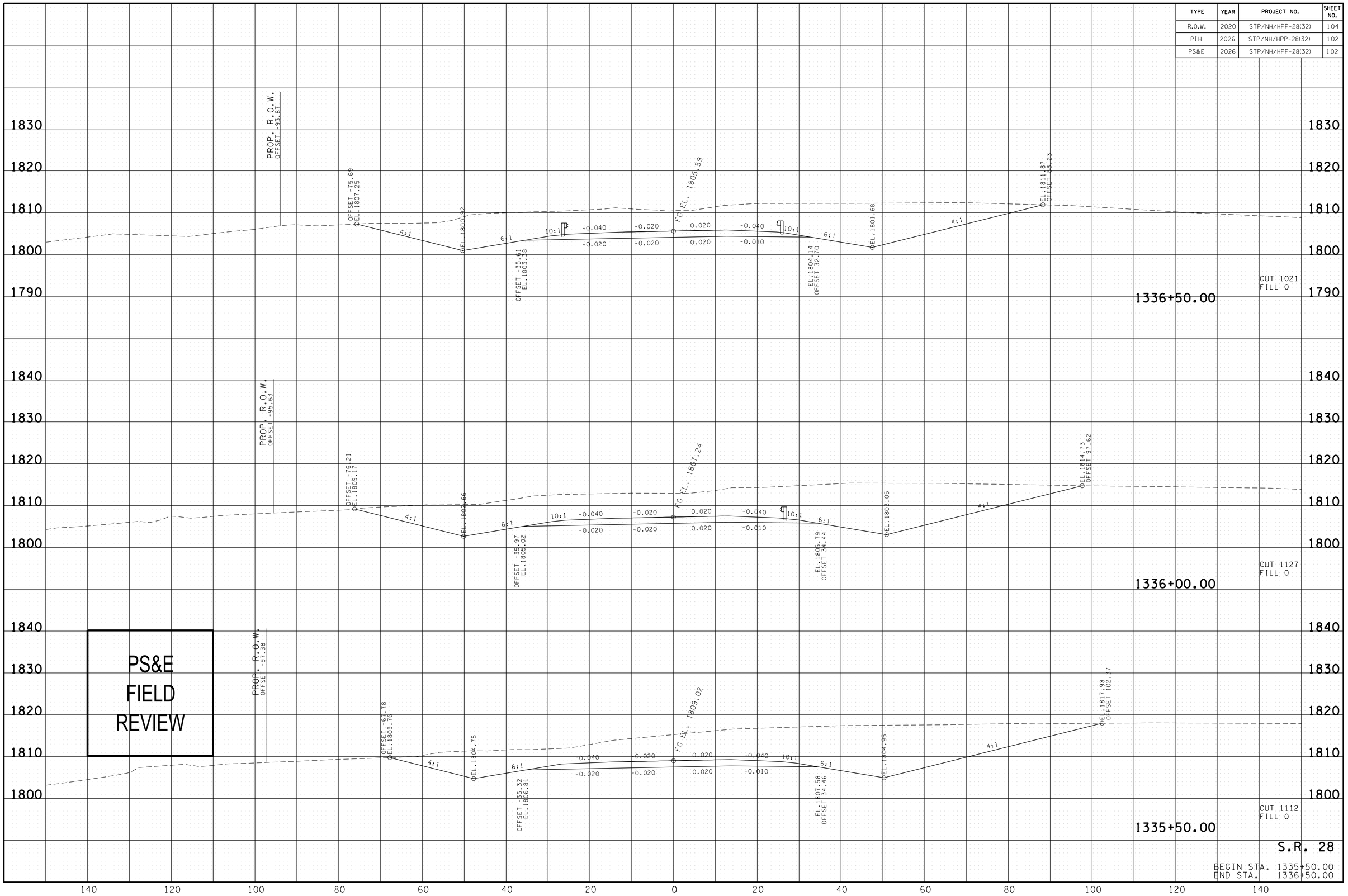
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	103
PIH	2026	STP/NH/HPP-28(32)	101
PS&E	2026	STP/NH/HPP-28(32)	101



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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



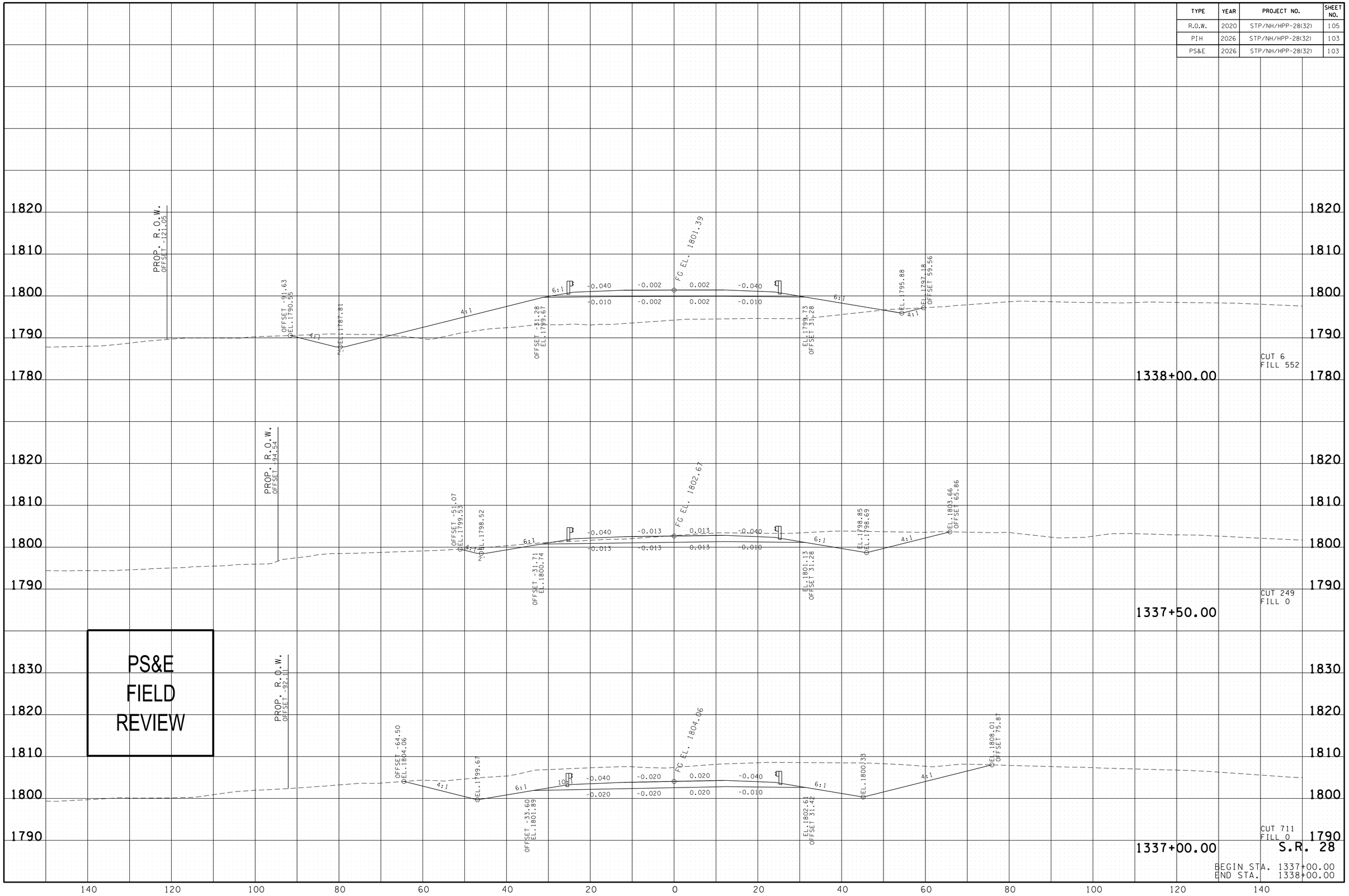
PS&E
FIELD
REVIEW

S.R. 28

BEGIN STA. 1335+50.00
END STA. 1336+50.00

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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



PS&E
FIELD
REVIEW

S.R. 28

BEGIN STA. 1337+00.00
END STA. 1338+00.00

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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

1810
1800
1790
1780
1770

OFFSET -148.36
OFFSET -147.99

OFFSET -127.92
EL.1771.30
4:1
EL.1769.12
3:1
EL.1771.52
OFFSET 110.02

OFFSET -101.61
EL.1778.03
4:1
EL.1777.11
3:1
EL.1778.11
OFFSET 92.91

OFFSET 108.10
EL.1777.45
4:1
EL.1774.87

FG EL. 1799.23
0.031
-0.031

BRIDGE END
STA. 1339+83.10

FG EL. 1799.23
0.020
-0.020

FG EL. 1800.25
0.009
-0.009
0.009
-0.009

BRIDGE BEGIN
STA. 1338+19.10

OFFSET 62.83
EL.1798.19
6:1
EL.1792.49
4:1
EL.1793.77
OFFSET 72.16

OFFSET 90.87
EL.1777.65
6:1
EL.1776.65
2:1
EL.1779.02
OFFSET 101.61

EL.1769.64
6:1
EL.1770.84
OFFSET 119.79

1339+50.00

1339+00.00

1338+50.00

PS&E
FIELD
REVIEW

CUT 126
FILL 2108

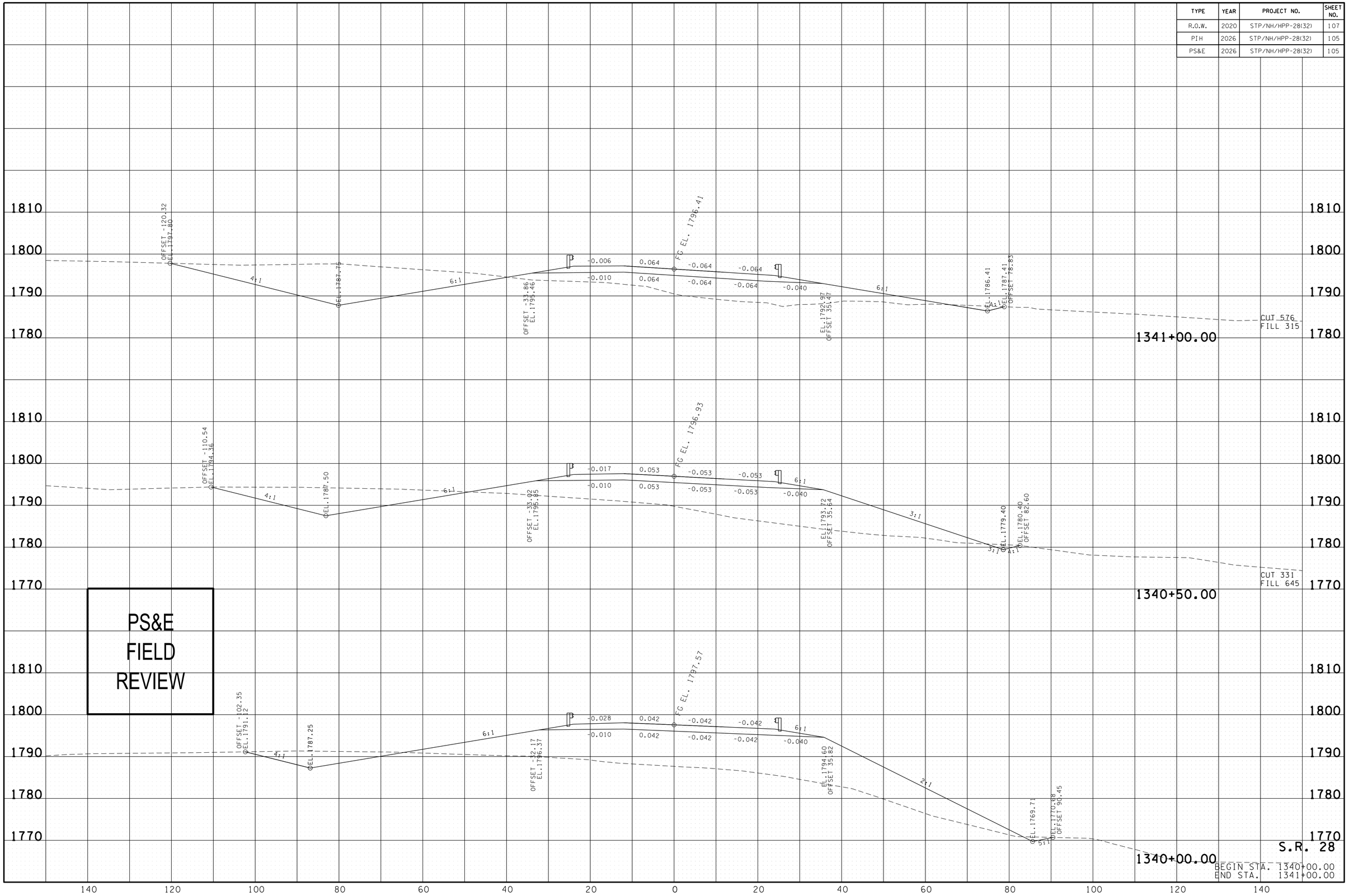
S.R. 28

BEGIN STA. 1338+50.00
END STA. 1339+50.00

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

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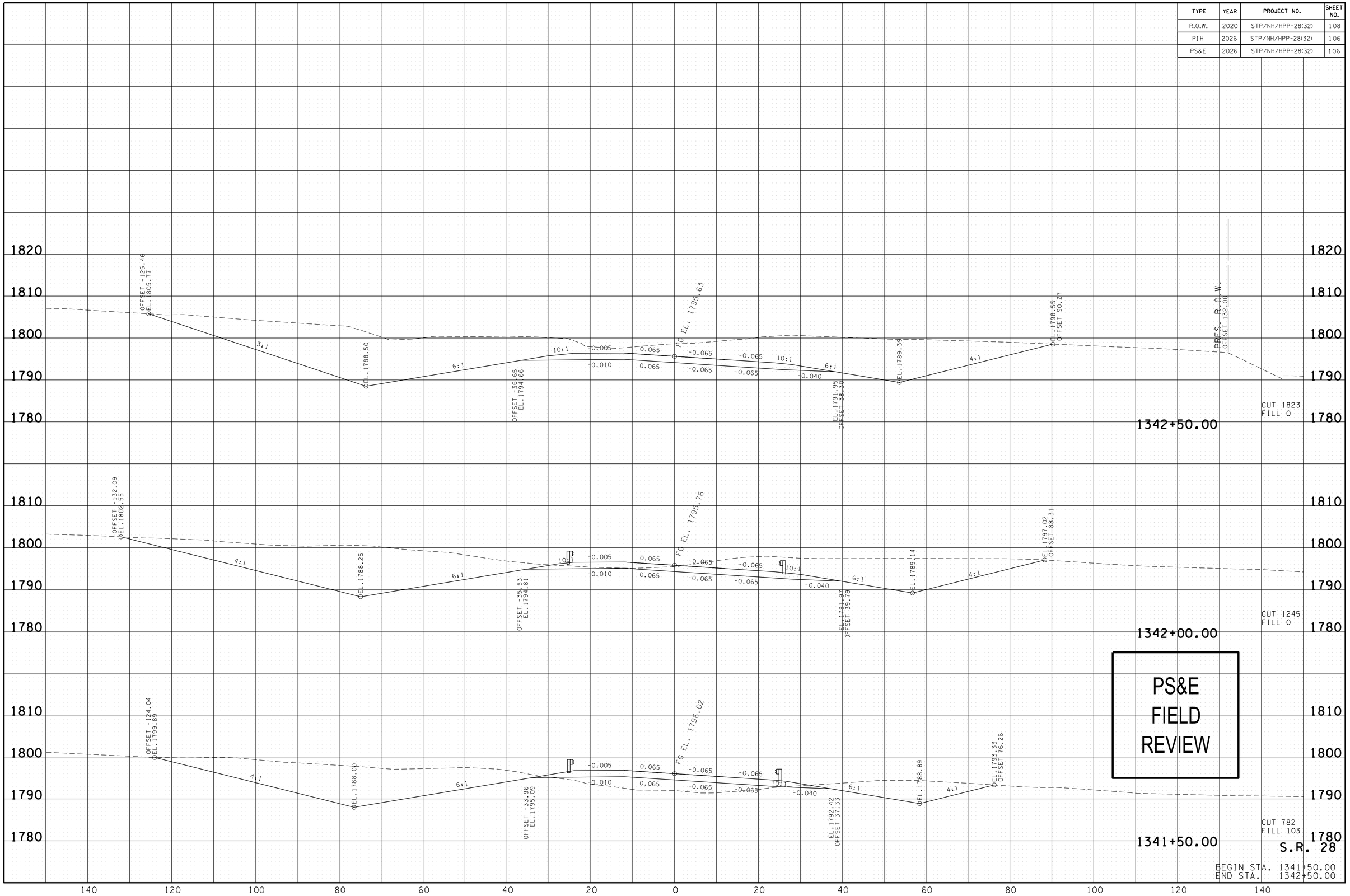
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	107
PIH	2026	STP/NH/HPP-28(32)	105
PS&E	2026	STP/NH/HPP-28(32)	105



PS&E
FIELD
REVIEW

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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

1820
1810
1800
1790
1780

SIDEROAD *** OFFSET 12.00
0.050
0.050
FG EL. 1795.98
-0.050
-0.050
-0.050
-0.050
-0.040
6:1
℄EL.1790.15
EL.1792.84
OFFSET 35.68
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
1344+00.00

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
FG EL. 1795.74
-0.061
-0.061
-0.061
-0.061
-0.040
6:1
EL.1792.36
OFFSET 35.51
℄EL.1789.89
4:1
℄EL.1795.41
OFFSET 72.41
PRES. R.O.W.
OFFSET 42.05
CUT 2751
FILL 0
1343+50.00

OFFSET -108.60
℄EL.1807.68
2:1
℄EL.1788.75
6:1
OFFSET -35.23
EL.1794.67
10:1
-0.005
-0.010
0.065
0.065
FG EL. 1795.62
-0.065
-0.065
-0.065
10:1
-0.065
-0.040
6:1
EL.1792.12
OFFSET 35.89
℄EL.1789.64
4:1
℄EL.1798.63
OFFSET 86.73
PRES. R.O.W.
OFFSET 109.71
CUT 2354
FILL 0
1343+00.00

PS&E
FIELD
REVIEW

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

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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

PROP. R.O.W.
OFFSET -147.35

OFFSET -98.95
℄EL.1813.39

2:1

℄EL.1791.88

6:1

-0.040 0.017 -0.017 -0.040
-0.010 0.017 -0.017 -0.017

OFFSET -31.28
EL.1795.98

PRES. R.O.W.
OFFSET -17.89

FG EL. 1797.48

PRES. R.O.W.
OFFSET 38.24

6:1

EL.1795.44
OFFSET 32.12

℄EV.1793.32

4:1

℄EL.1794.12
OFFSET 50.44

CUT 1002
FILL 0

1345+50.00

OFFSET -111.84
℄EL.1816.16

2:1

℄EL.1790.59

6:1

-0.040 0.028 -0.028 -0.040
-0.010 0.028 -0.028 -0.028

OFFSET -31.28
EL.1795.49

FG EL. 1796.85

PRES. R.O.W.
OFFSET 8.53

EL.1794.42
OFFSET 33.72

℄EL.1792.46

6:1

4:1

PRES. R.O.W.
OFFSET 65.53

℄EL.1797.25
OFFSET 64.59

CUT 1873
FILL 0

1345+00.00

SIDEROAD *** OFFSET -12.00

FG EL. 1796.35

-0.039 -0.040
-0.039 -0.039

PRES. R.O.W.
OFFSET 35.44

EL.1793.48
OFFSET 35.59

℄EL.1791.61

6:1

4:1

℄EL.1798.44
OFFSET 74.14

PRES. R.O.W.
OFFSET 92.11

CUT 616
FILL 0

1344+50.00

PS&E
FIELD
REVIEW

S.R. 28

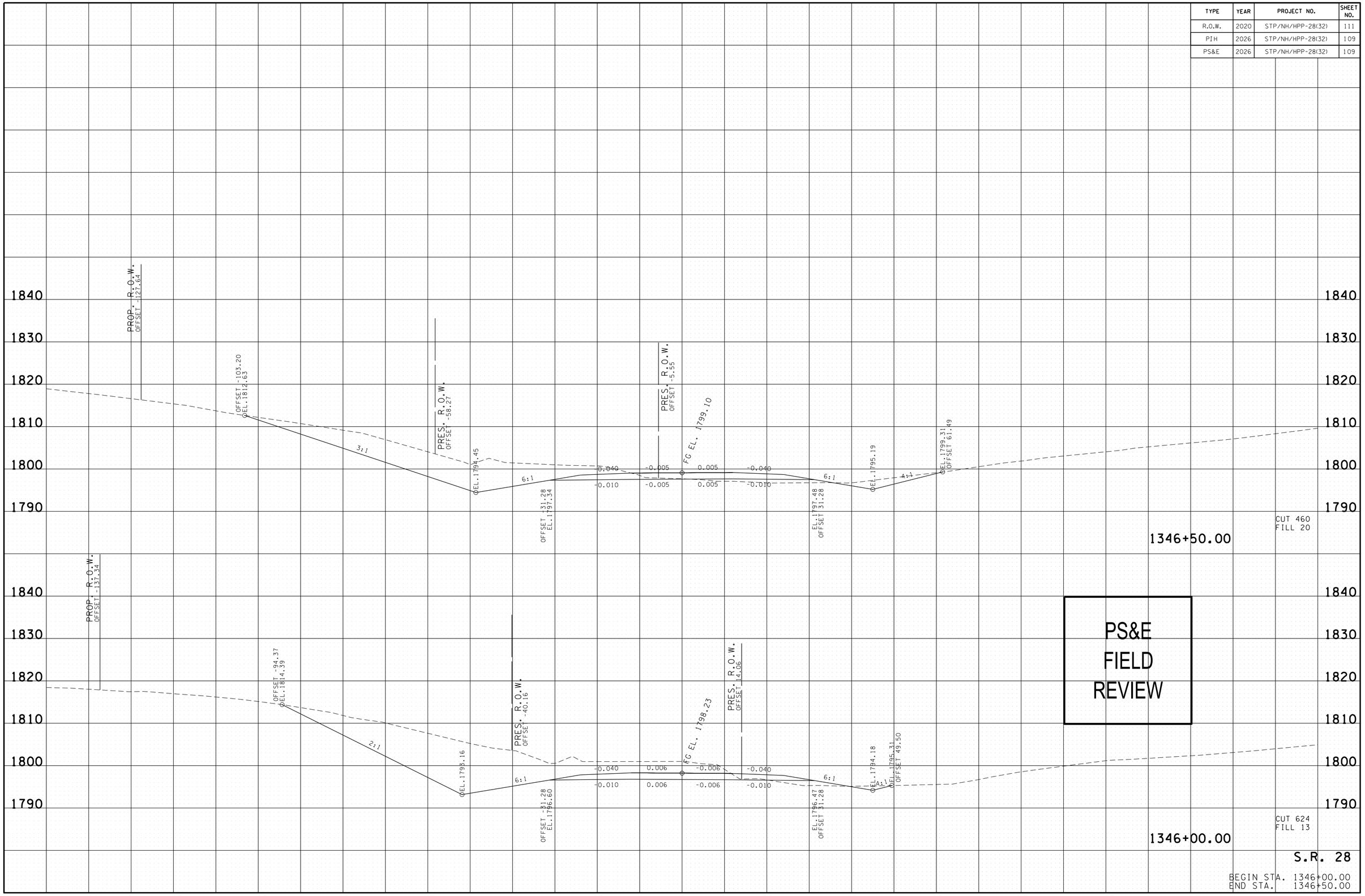
BEGIN STA. 1344+50.00
END STA. 1345+50.00

1840 1830 1820 1810 1800 1790 1780

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

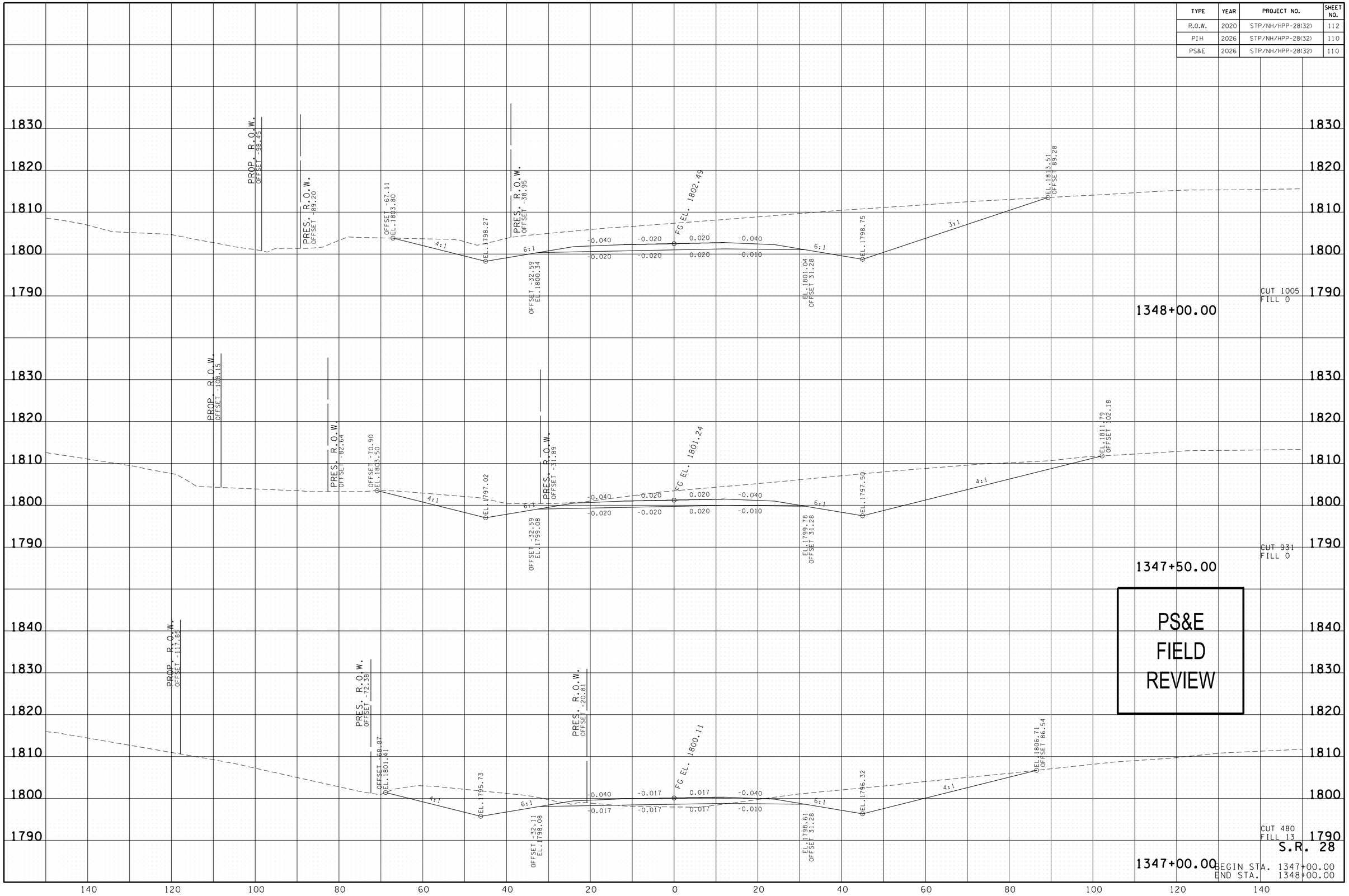
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	111
PIH	2026	STP/NH/HPP-28(32)	109
PS&E	2026	STP/NH/HPP-28(32)	109



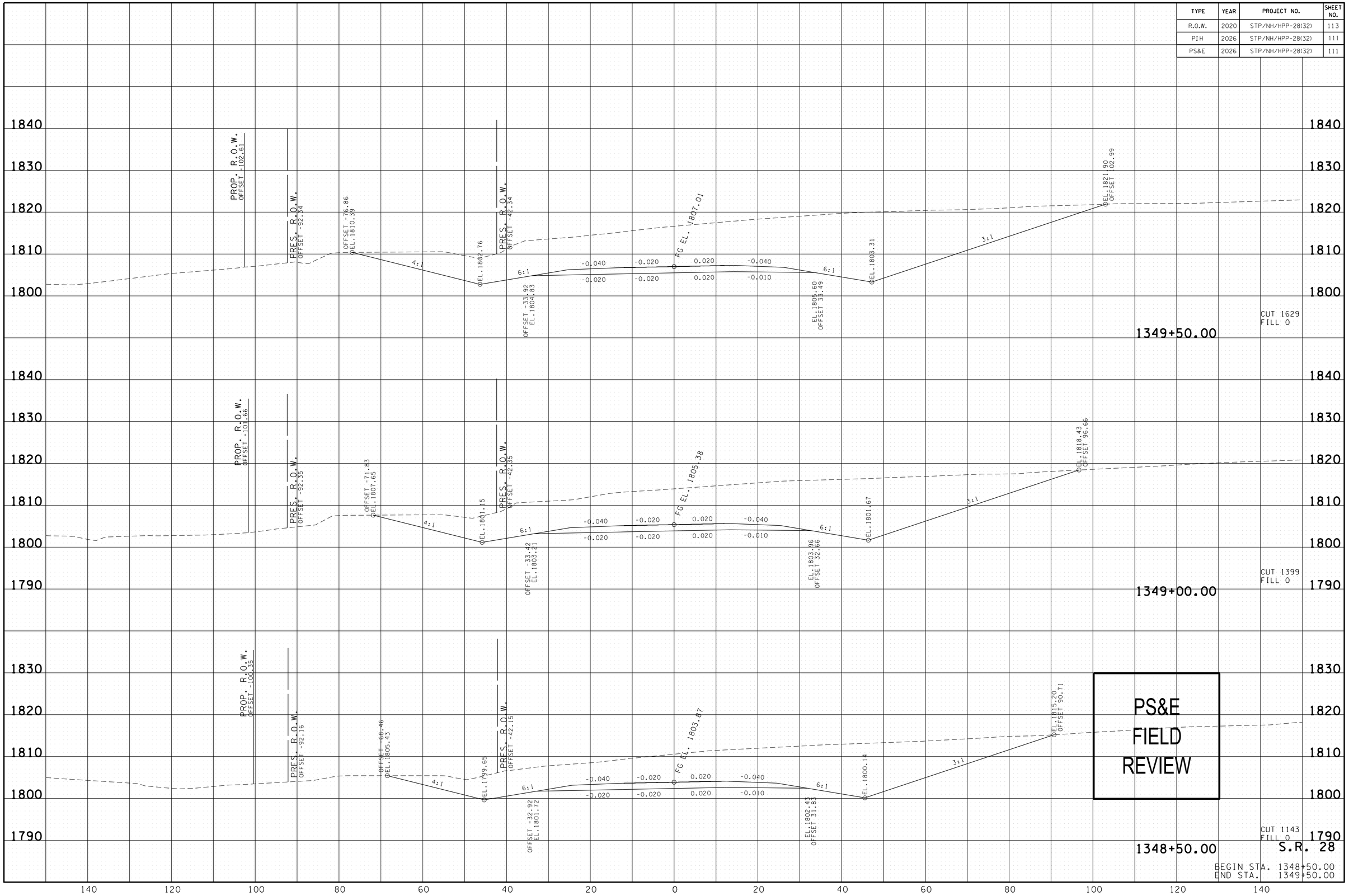
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	112
PIH	2026	STP/NH/HPP-28(32)	110
PS&E	2026	STP/NH/HPP-28(32)	110



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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



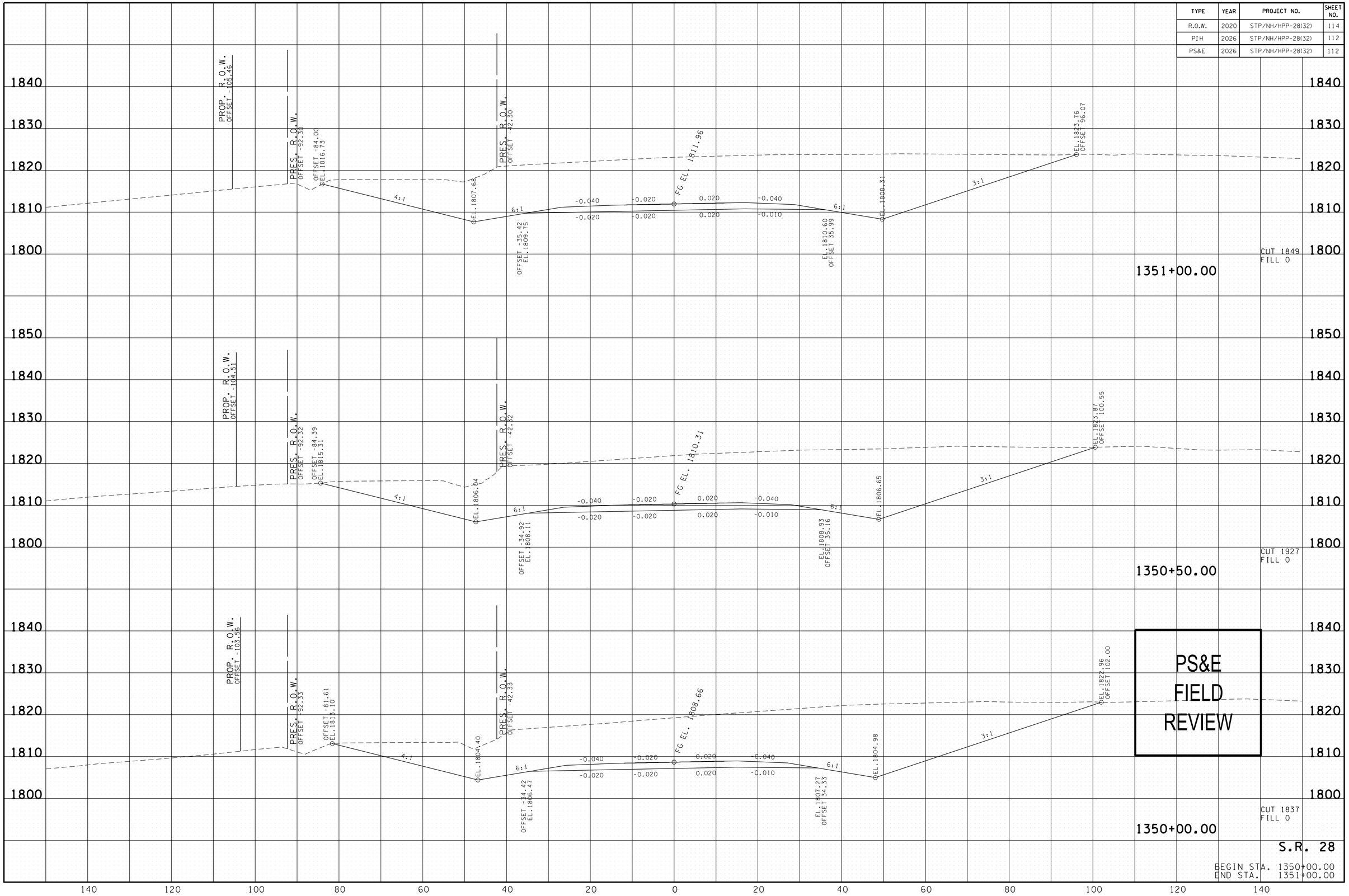
PS&E
FIELD
REVIEW

S.R. 28

BEGIN STA. 1348+50.00
END STA. 1349+50.00

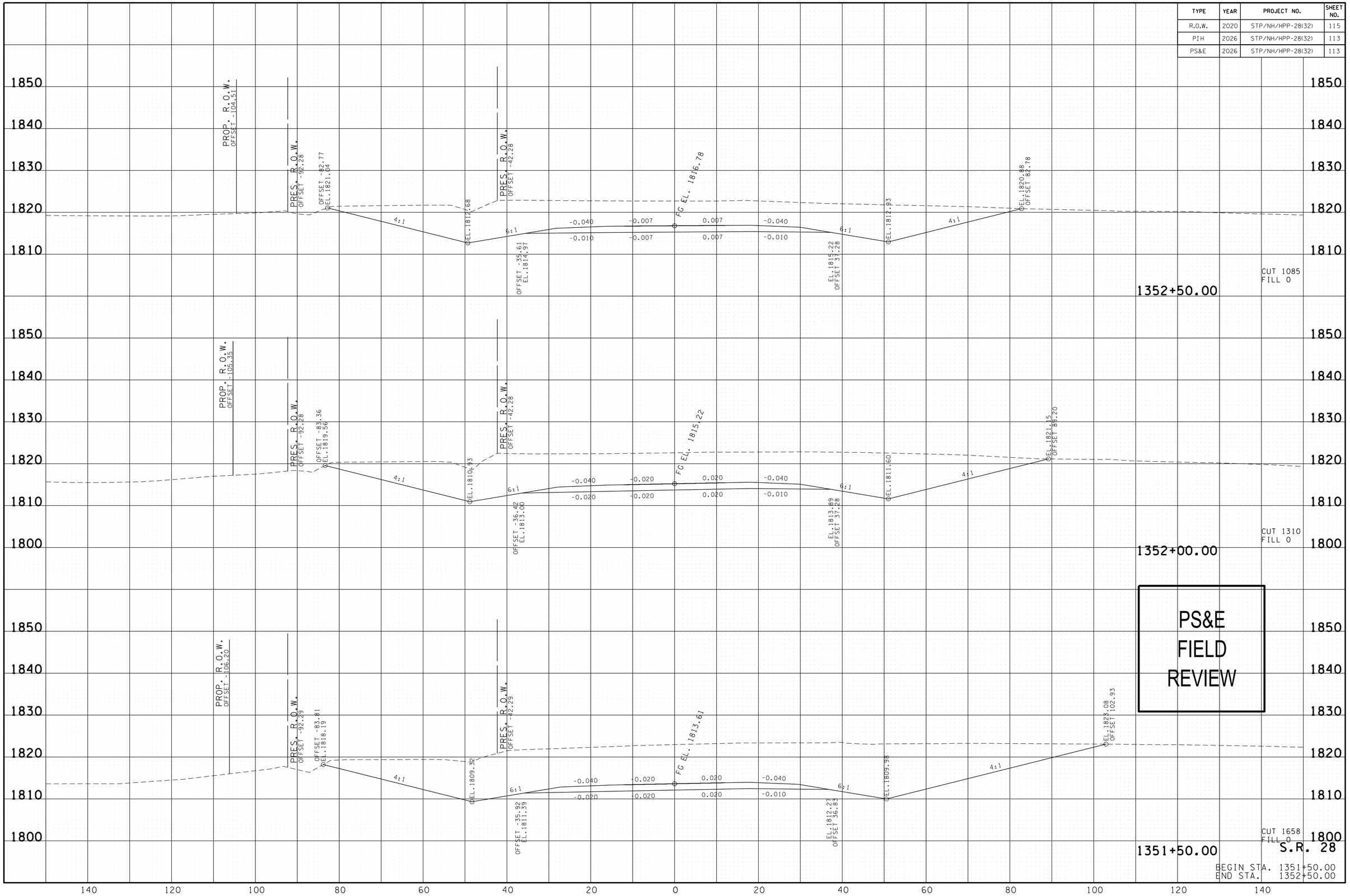
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	114
PIH	2026	STP/NH/HPP-28(32)	112
PS&E	2026	STP/NH/HPP-28(32)	112



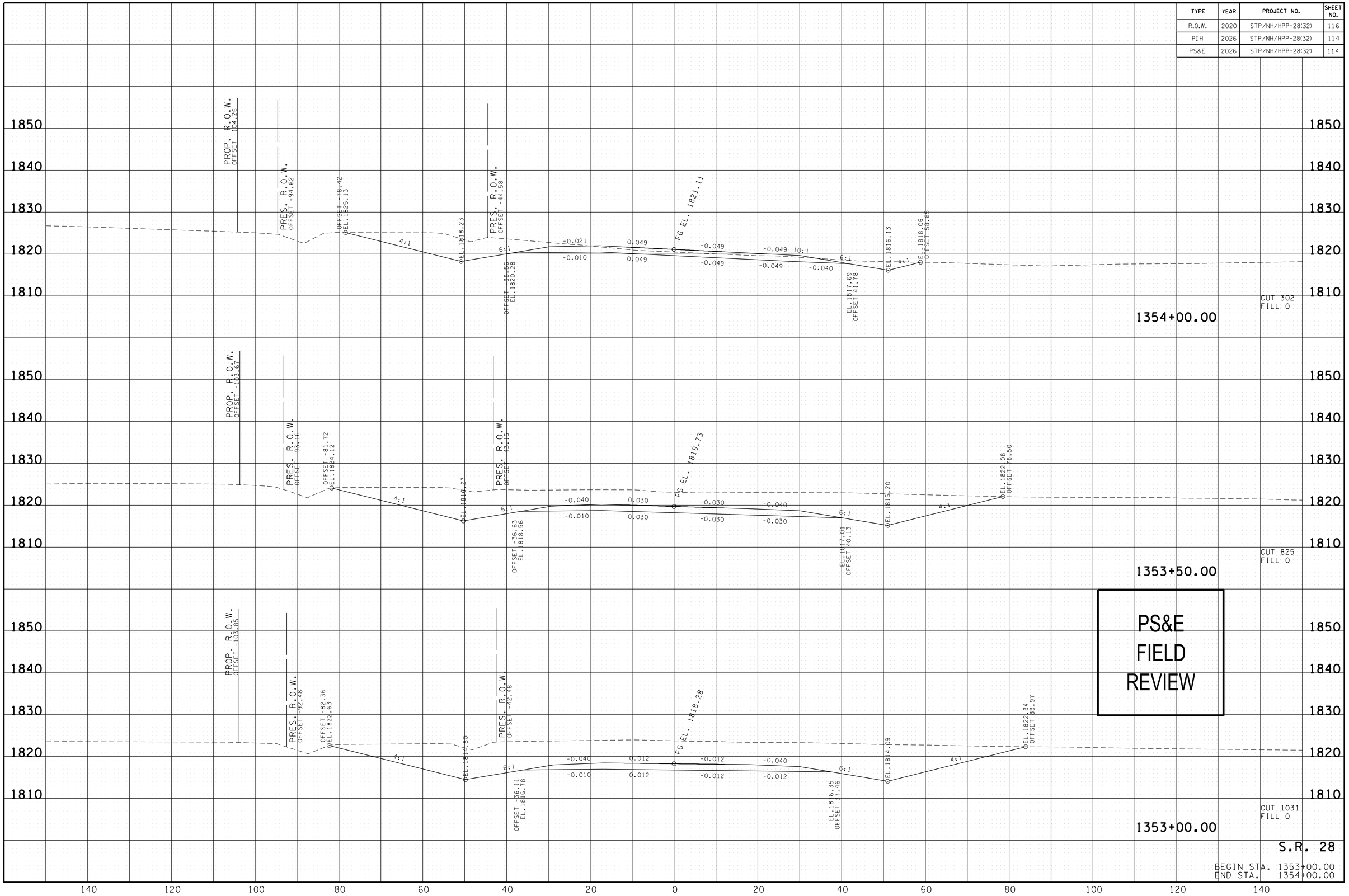
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	115
PIH	2026	STP/NH/HPP-28(32)	113
PS&E	2026	STP/NH/HPP-28(32)	113



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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



PS&E FIELD REVIEW

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
1355+50.00
CUT 58
FILL 0

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
-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
OFFSET -39.55 EL. 1823.08
1355+00.00
CUT 157
FILL 0

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
-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
OFFSET -40.16 EL. 1821.94
1354+50.00
CUT 134
FILL 58

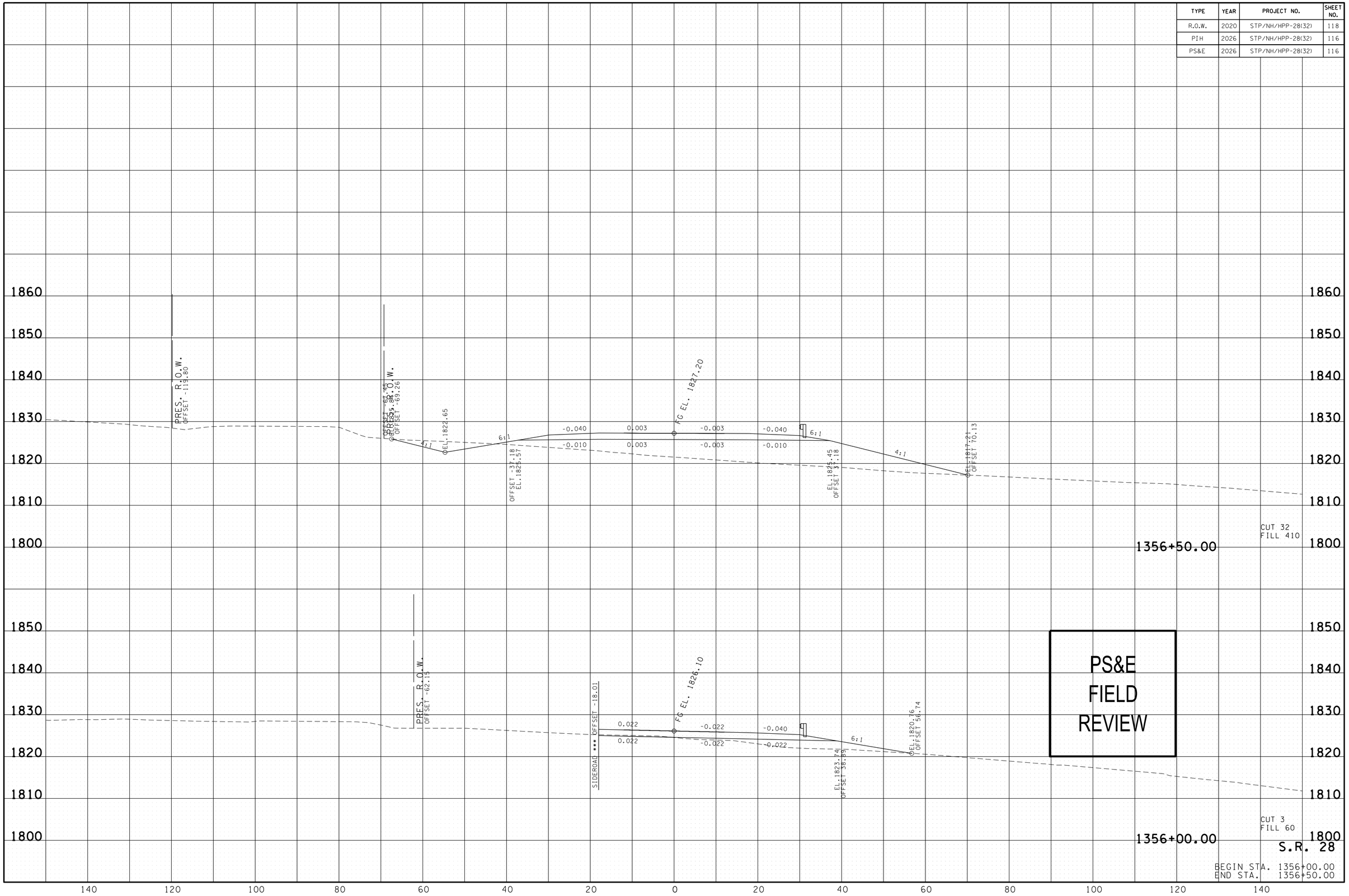
PS&E
FIELD
REVIEW

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

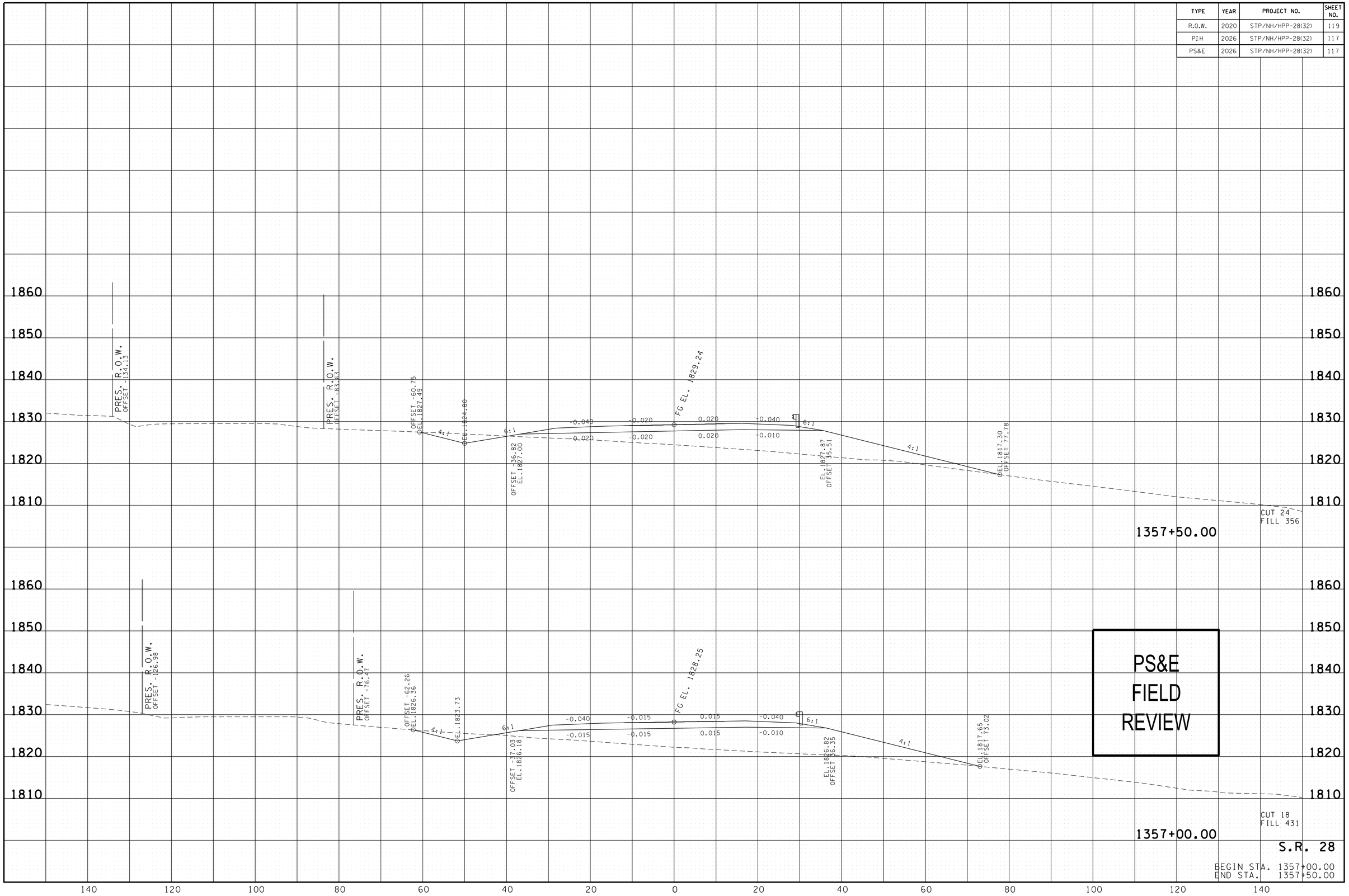
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	118
PIH	2026	STP/NH/HPP-28(32)	116
PS&E	2026	STP/NH/HPP-28(32)	116



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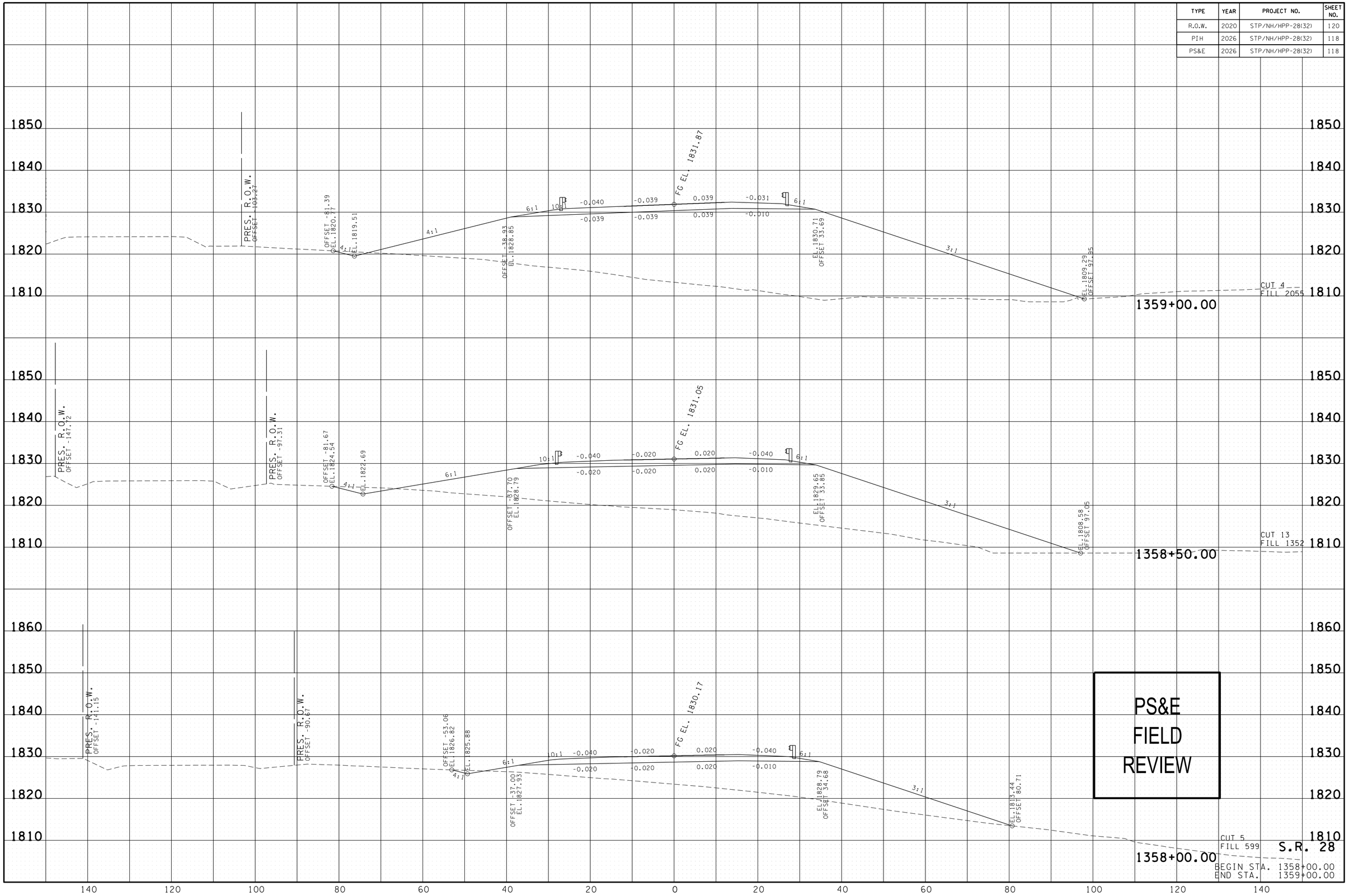
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	119
PIH	2026	STP/NH/HPP-28(32)	117
PS&E	2026	STP/NH/HPP-28(32)	117



PS&E
FIELD
REVIEW

1/30/2026
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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

PRES. R.O.W.
OFFSET -114.45

OFFSET -85.23
EL. 1815.88
EL. 1815.20

3:1

OFFSET -35.67
EL. 1830.83

6:1 -0.051 -0.051 FG EL. 1833.99 0.051 -0.019 6:1
-0.040 -0.051 -0.051 0.051 -0.010

EL. 1832.89
OFFSET 32.87

4:1

EL. 1820.12
OFFSET 83.97

PROP. R.O.W.
OFFSET 110.13

1360+50.00

CUT 10
FILL 169

PRES. R.O.W.
OFFSET -112.18

OFFSET -90.78
EL. 1815.29

4:1

EL. 1813.61

3:1

OFFSET -35.47
EL. 1829.81

6:1 -0.068 -0.068 FG EL. 1833.34 0.068 -0.002 6:1
-0.040 -0.068 0.068 0.068 -0.010

EL. 1832.44
OFFSET 34.26

3:1

EL. 1817.43
OFFSET 79.27

PROP. R.O.W.
OFFSET 39.76

1360+00.00

CUT 8
FILL 2014

PS&E
FIELD
REVIEW

PRES. R.O.W.
OFFSET -108.31

OFFSET -97.52
EL. 1818.63

4:1

EL. 1816.32

4:1

OFFSET -36.46
EL. 1829.27

6:1 -0.058 -0.058 FG EL. 1832.63 0.058 -0.012 6:1
-0.040 -0.058 -0.058 0.058 -0.010

EL. 1831.67
OFFSET 34.30

3:1

EL. 1813.24
OFFSET 89.57

1359+50.00

CUT 7
FILL 2298

S.R. 28

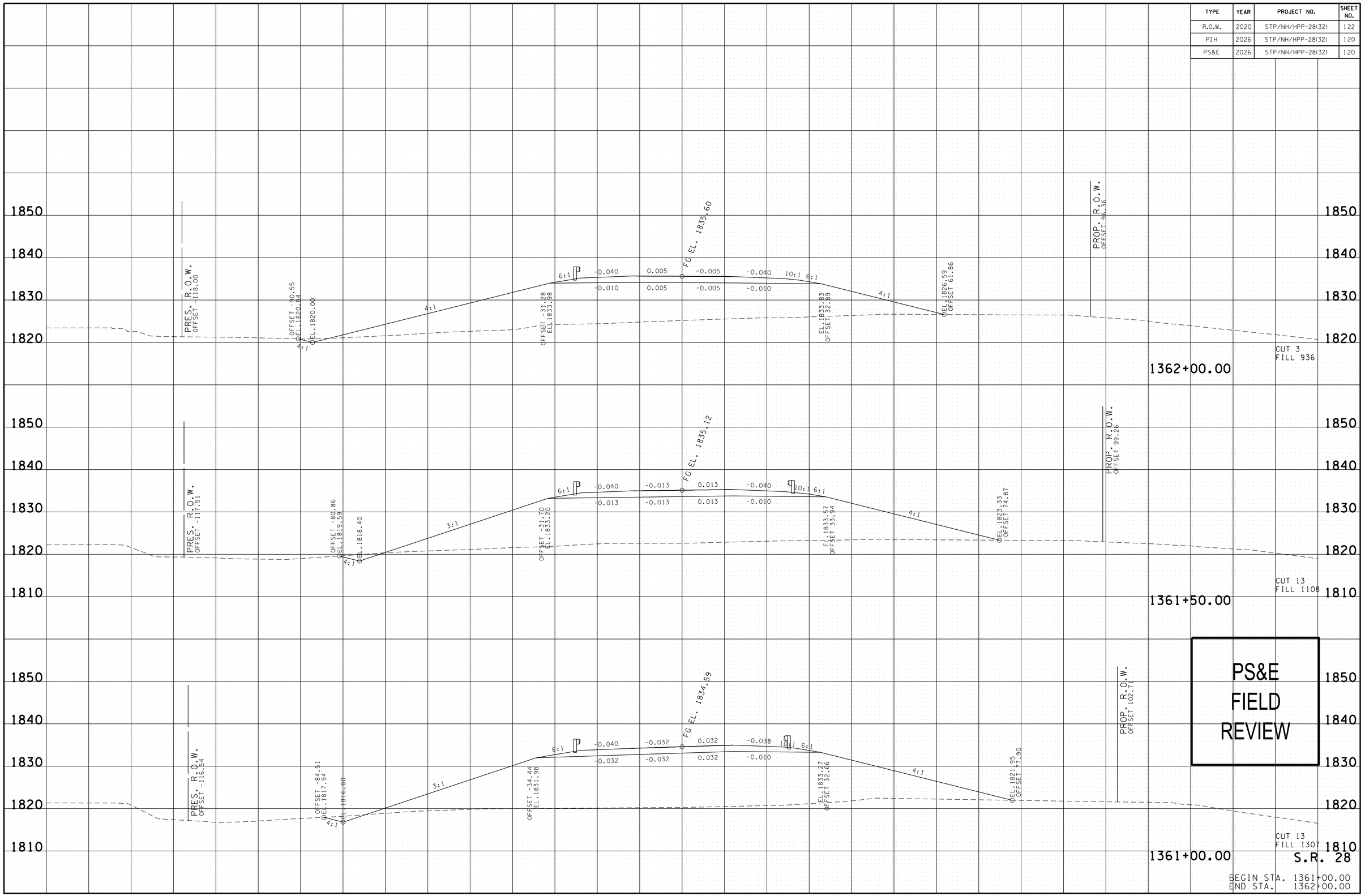
BEGIN STA. 1359+50.00
END STA. 1360+50.00

1850 1840 1830 1820 1810

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

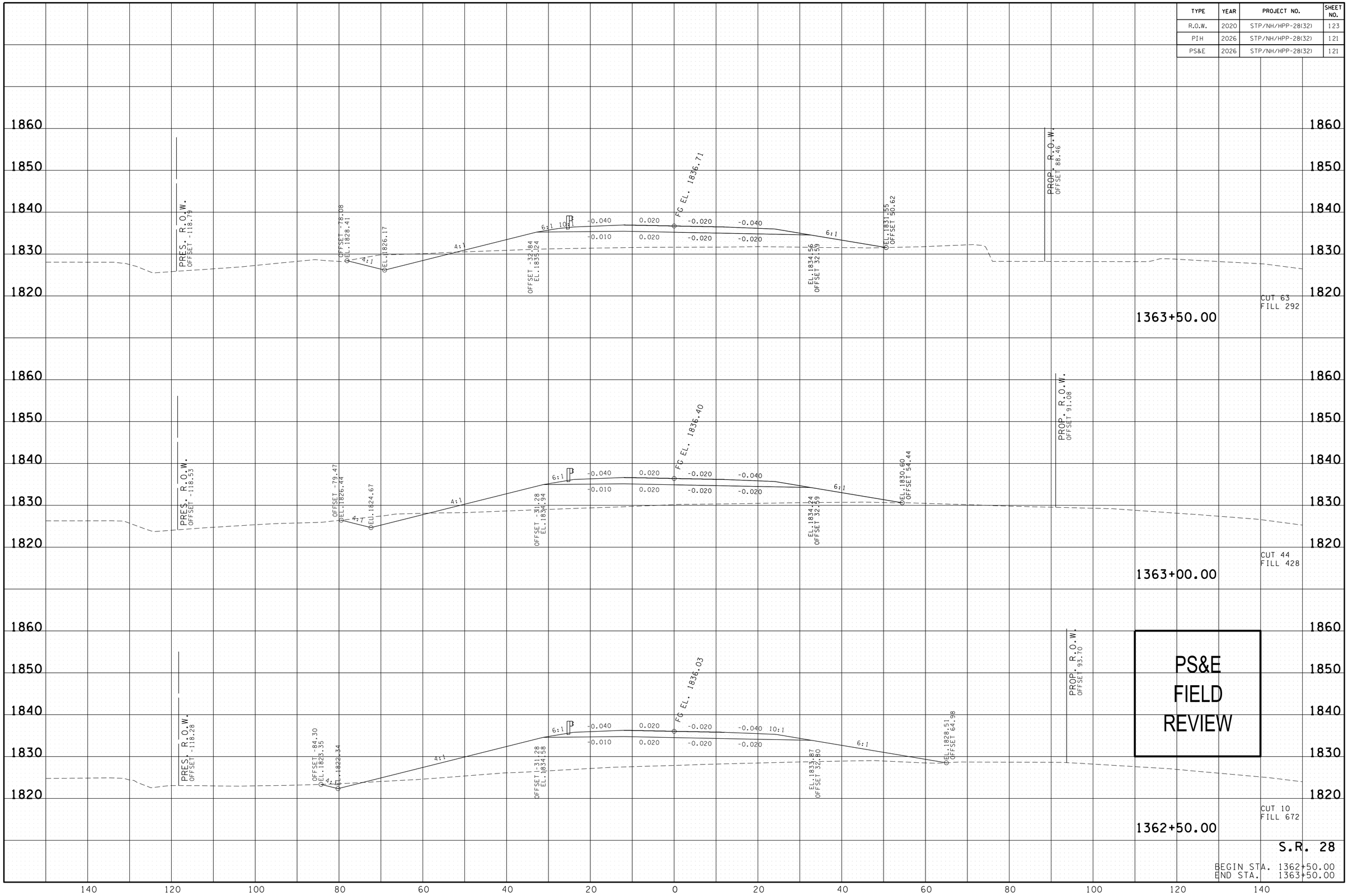
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	122
PIH	2026	STP/NH/HPP-28(32)	120
PS&E	2026	STP/NH/HPP-28(32)	120



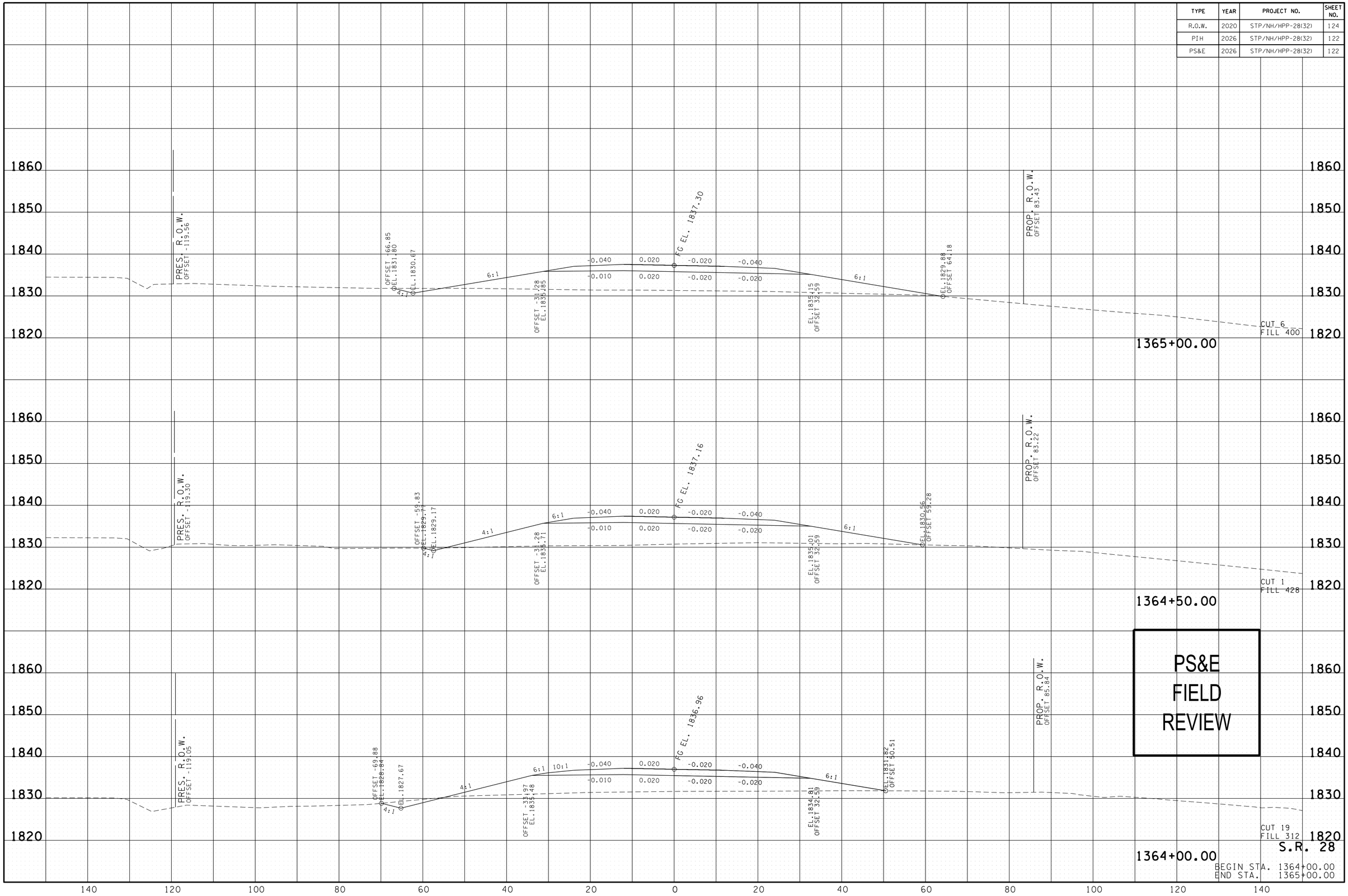
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	123
PIH	2026	STP/NH/HPP-28(32)	121
PS&E	2026	STP/NH/HPP-28(32)	121



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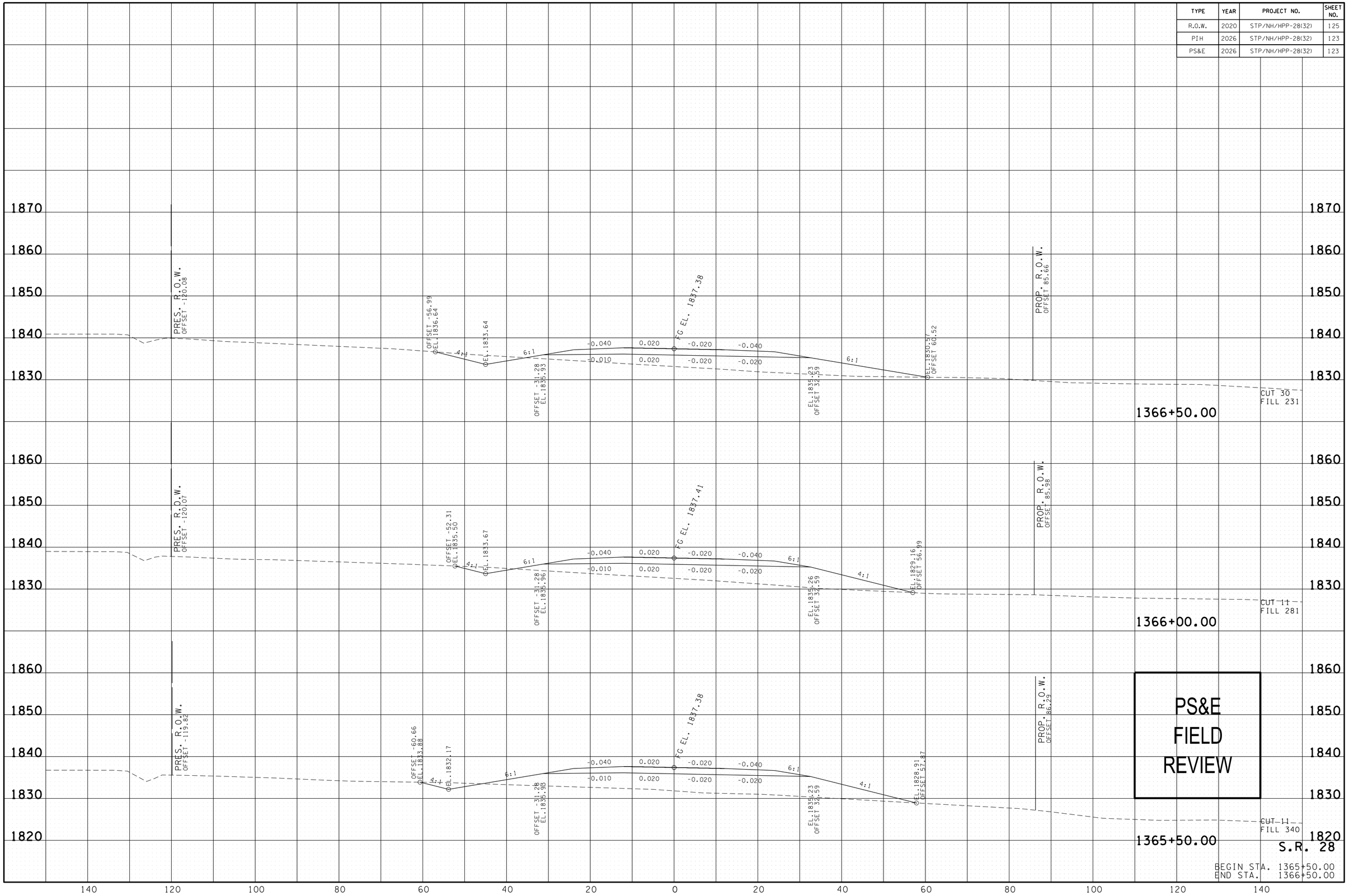
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	124
PIH	2026	STP/NH/HPP-28(32)	122
PS&E	2026	STP/NH/HPP-28(32)	122



PS&E
FIELD
REVIEW

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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



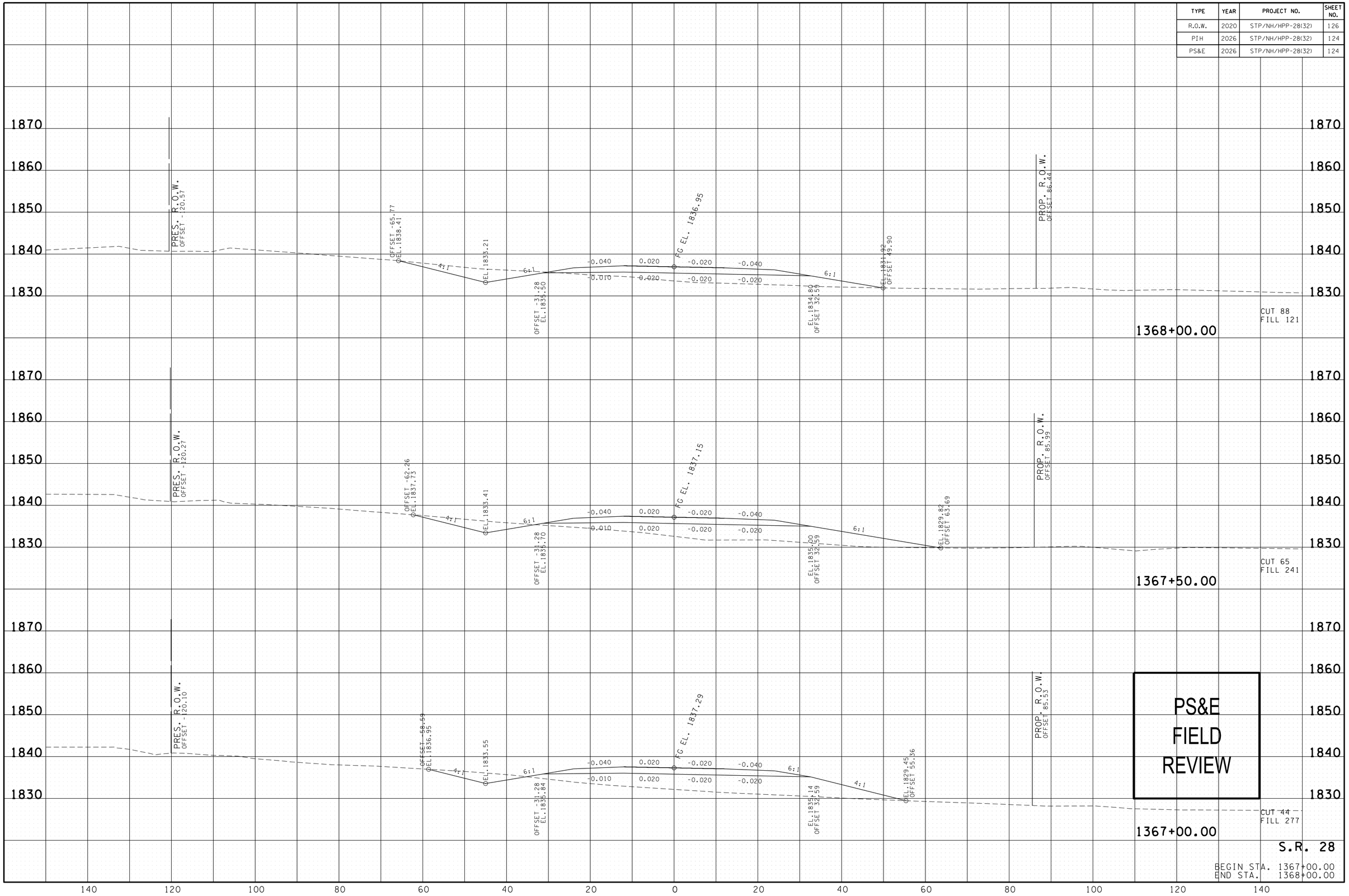
PS&E FIELD REVIEW

S.R. 28

BEGIN STA. 1365+50.00
END STA. 1366+50.00

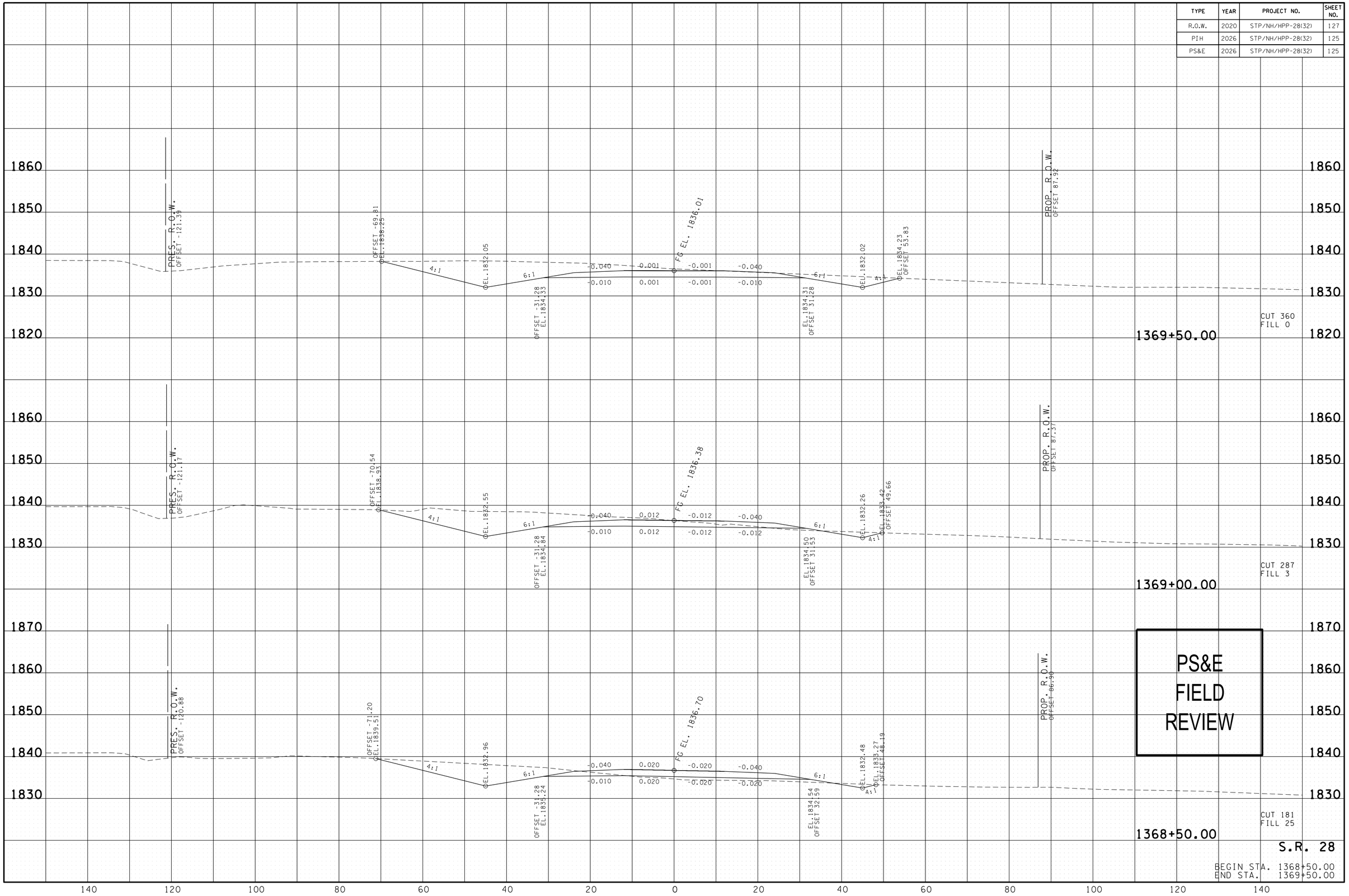
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	126
PIH	2026	STP/NH/HPP-28(32)	124
PS&E	2026	STP/NH/HPP-28(32)	124



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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



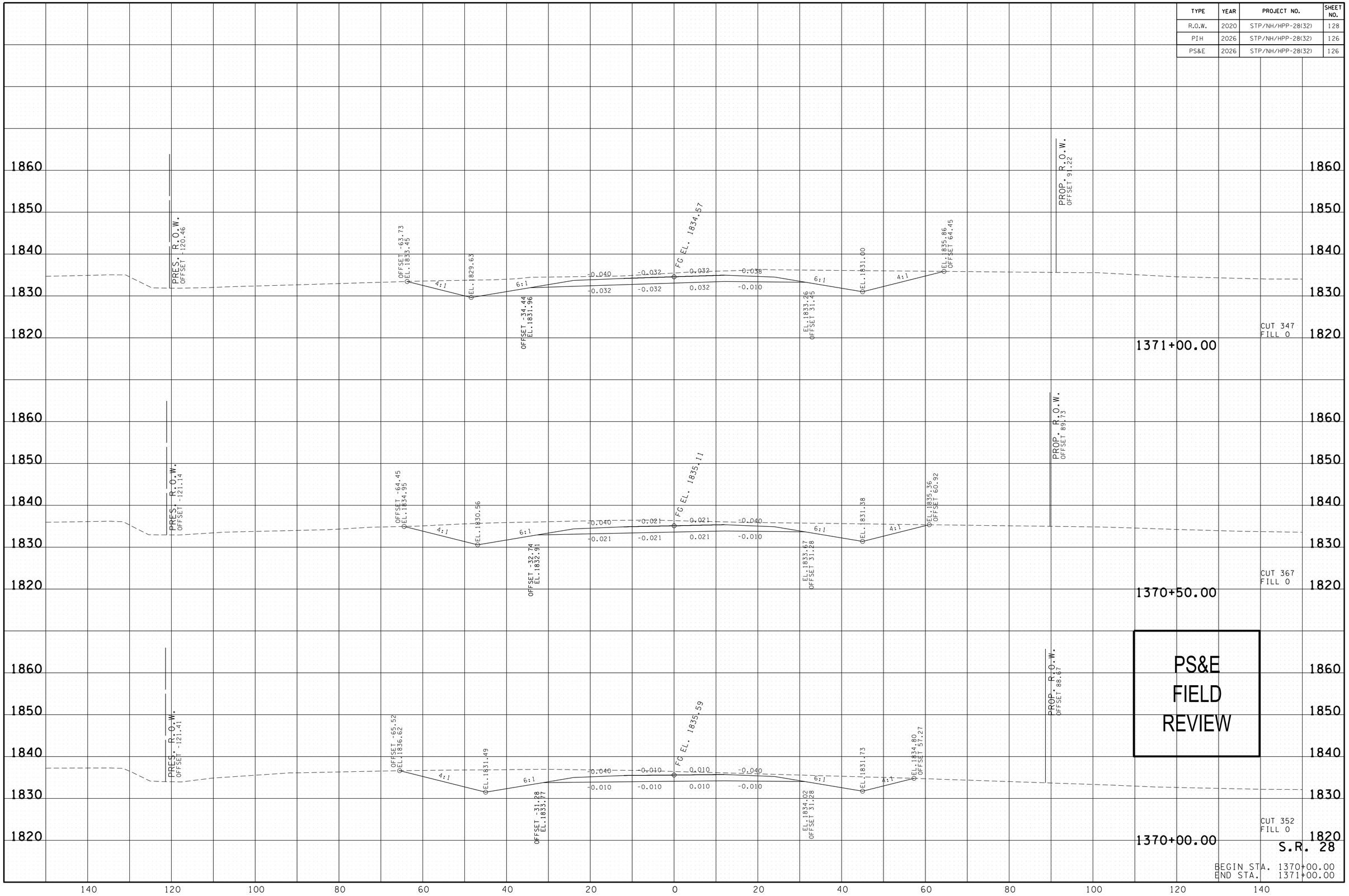
PS&E
FIELD
REVIEW

S.R. 28

BEGIN STA. 1368+50.00
END STA. 1369+50.00

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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

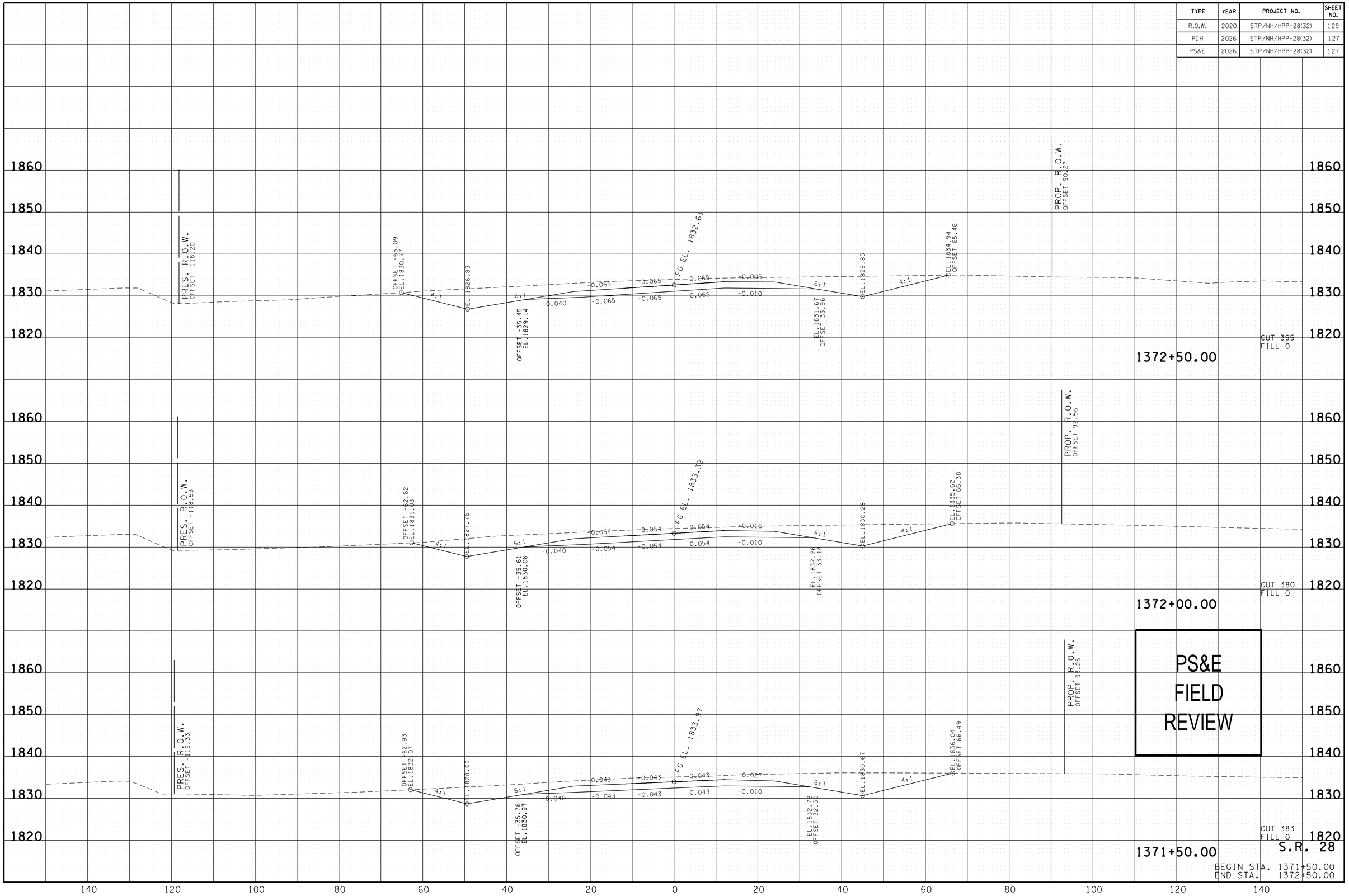


PS&E FIELD REVIEW

BEGIN STA. 1370+00.00
END STA. 1371+00.00

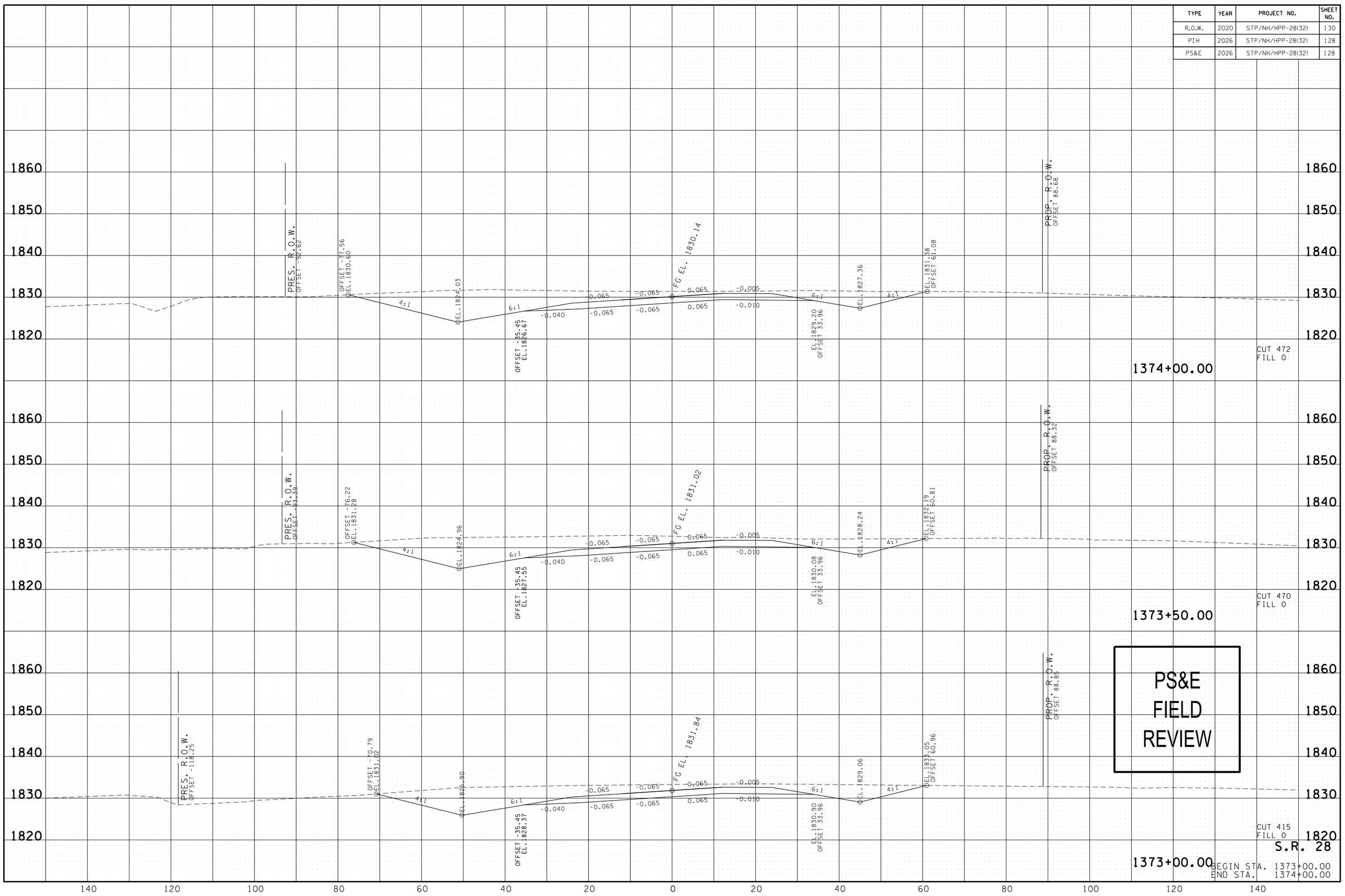
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	129
PIH	2026	STP/NH/HPP-28(32)	127
PS&E	2026	STP/NH/HPP-28(32)	127



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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



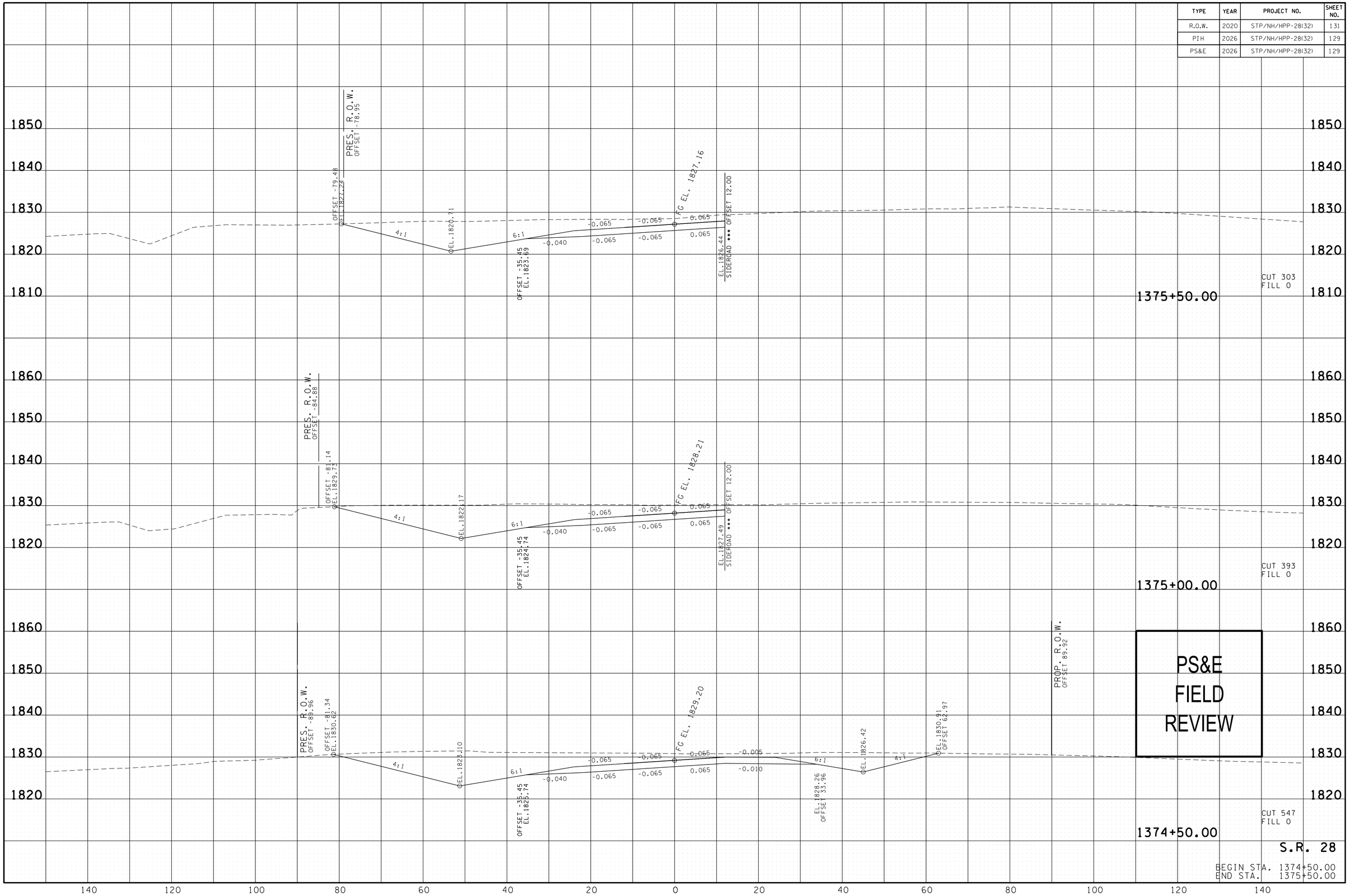
PS&E
FIELD
REVIEW

S.R. 28

BEGIN STA. 1373+00.00
END STA. 1374+00.00

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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

PRES. R.O.W. OFFSET 106.83
PRES. R.O.W. OFFSET -95.70
OFFSET -88.88 EL.1822.90
EL.1816.32
PRES. R.O.W. OFFSET -54.25
FG EL. 1823.67
-0.040 -0.038 0.038 -0.032
-0.038 -0.038 0.038 -0.010
4:1 6:1 4:1 4:1
OFFSET -35.45 EL.1820.83
EL.1822.43 OFFSET 31.88
EL.1819.11
EL.1828.00 OFFSET 78.12
PROP. R.O.W. OFFSET 99.59
1377+00.00
CUT 732 FILL 0

OFFSET -87.11 EL.1824.65
PRES. R.O.W. OFFSET -64.26
EL.1817.78
FG EL. 1824.89
-0.049 -0.049 0.049 -0.021
-0.040 -0.049 -0.049 0.049 -0.010
4:1 6:1 4:1 4:1
OFFSET -35.70 EL.1821.77
EL.1823.77 OFFSET 32.72
EL.1820.88
EL.1830.08 OFFSET 78.18
PROP. R.O.W. OFFSET 104.71
1376+50.00
CUT 704 FILL 0

OFFSET -81.78 EL.1825.62
PRES. R.O.W. OFFSET -73.50
EL.1819.24
FG EL. 1826.05
-0.060 -0.060 0.060
-0.040 -0.060 -0.060 0.060
4:1 6:1
OFFSET -35.53 EL.1822.60
EL.1825.27 OFFSET 12.00 ***SIDEROAD***
PROP. R.O.W. OFFSET 110.59
1376+00.00
CUT 323 FILL 0

PS&E FIELD REVIEW

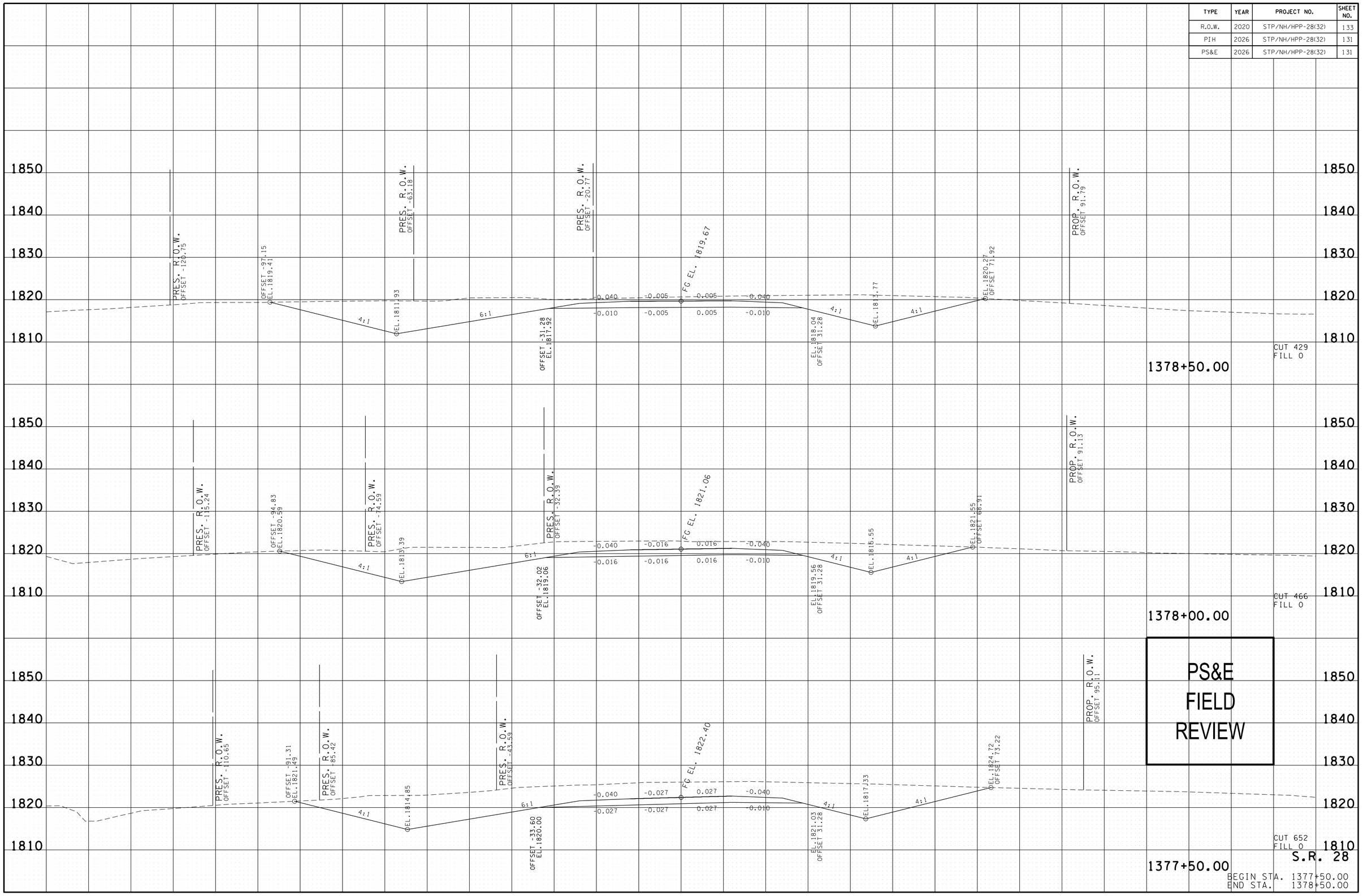
S.R. 28
BEGIN STA. 1376+00.00
END STA. 1377+00.00

1850 1840 1830 1820 1810 1860

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

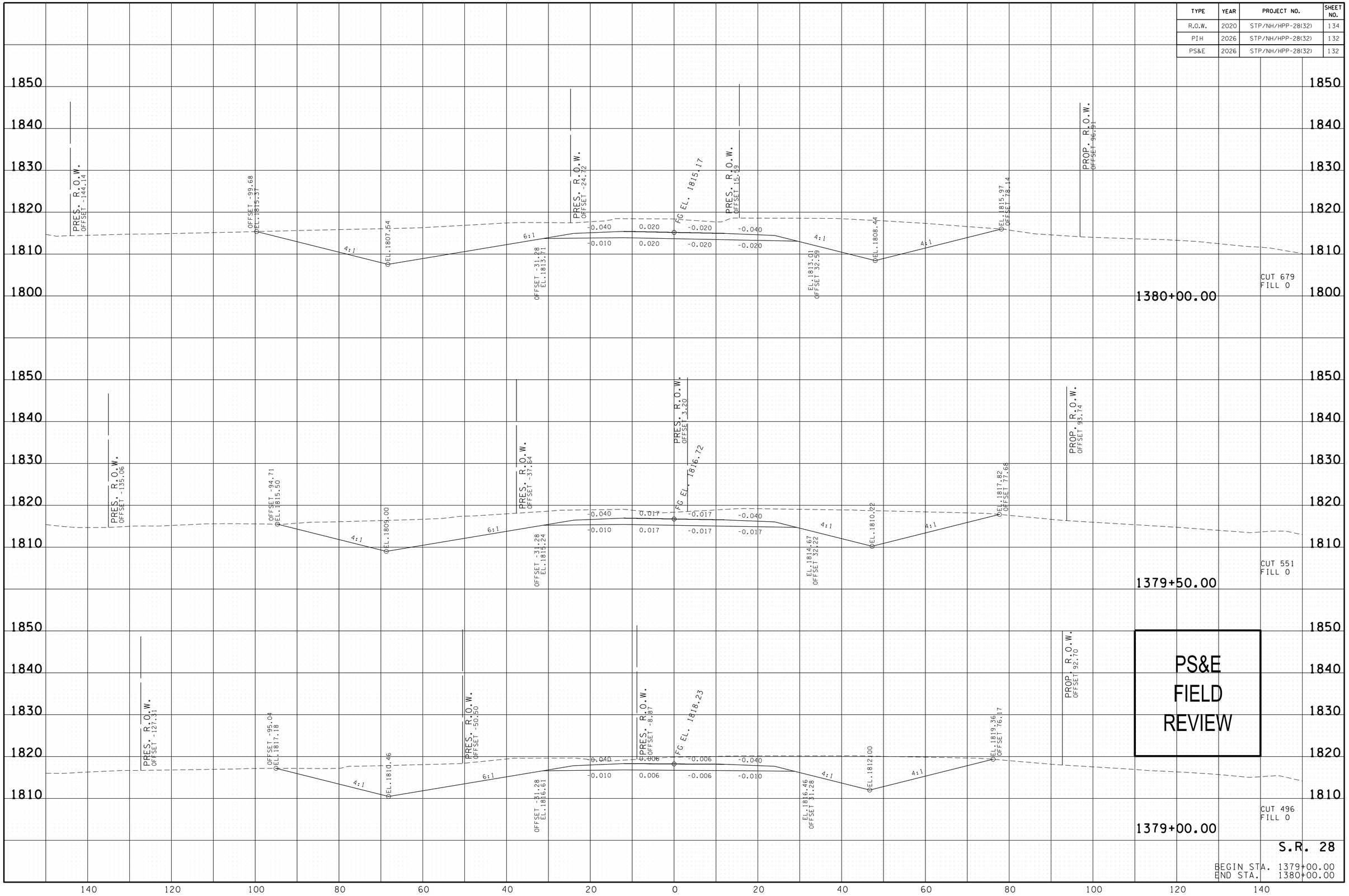
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	133
PIH	2026	STP/NH/HPP-28(32)	131
PS&E	2026	STP/NH/HPP-28(32)	131



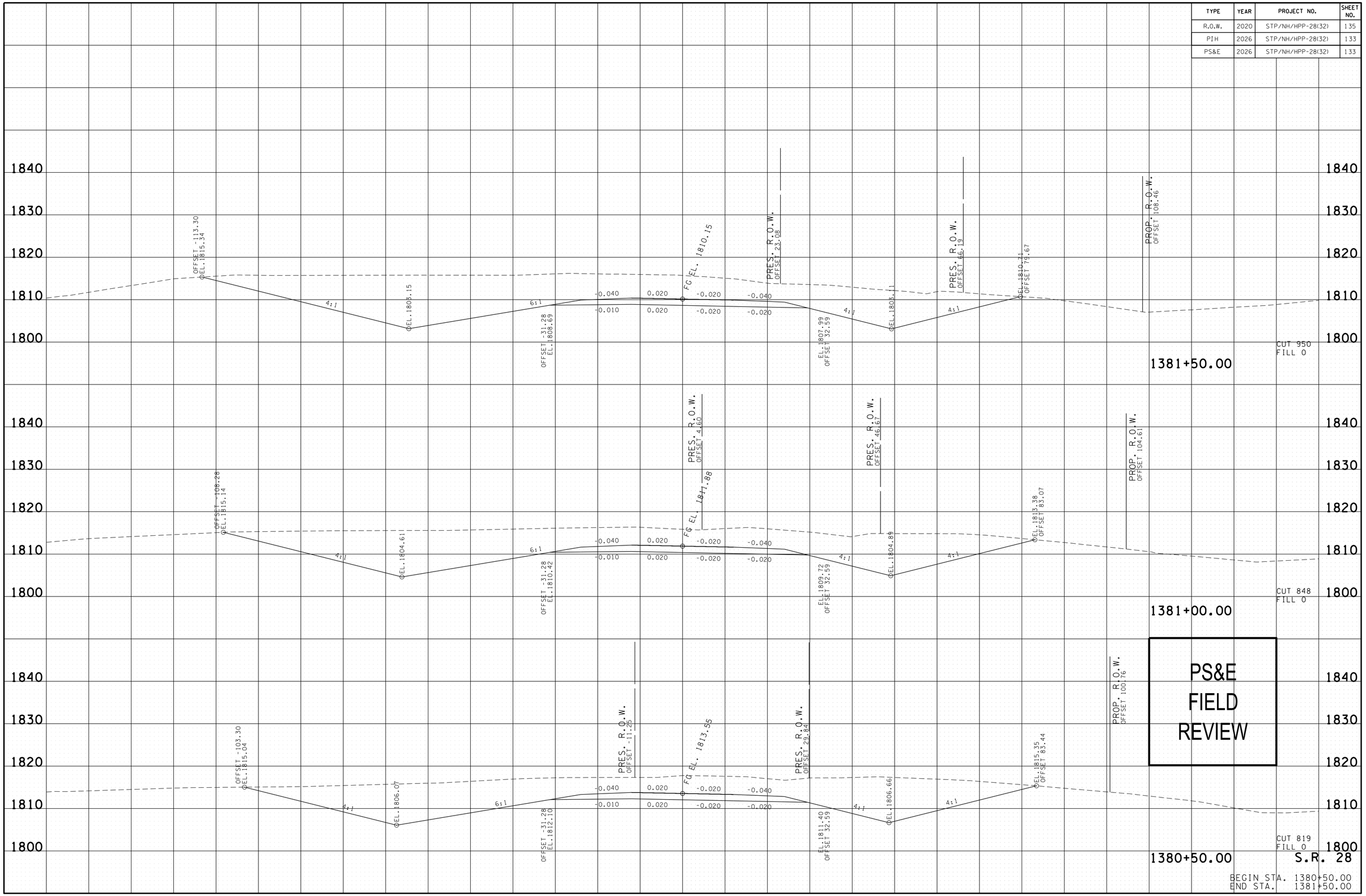
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	134
PIH	2026	STP/NH/HPP-28(32)	132
PS&E	2026	STP/NH/HPP-28(32)	132



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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

PS&E
FIELD
REVIEW

1383+00.00

SIDEROAD *** OFFSET -12.00
EL.1803.36
0.020
0.020
FG EL. 1804.62
-0.020
-0.020
EL.1802.88
SIDEROAD *** OFFSET 12.00

PRES. R.O.W.
OFFSET 95.89

ΦEL.1806.11
OFFSET 136.94
PRES. R.O.W.
OFFSET 142.74
2.16:1
CUT 457
FILL 0

1382+50.00

SIDEROAD *** OFFSET -12.00
EL.1805.26
0.020
0.020
FG EL. 1806.52
-0.020
-0.020
EL.1804.78
SIDEROAD *** OFFSET 12.00

PRES. R.O.W.
OFFSET 68.53

ΦEL.1811.57
OFFSET 67.58
PRES. R.O.W.
OFFSET 114.02
2.46:1
4.93'
ΦEL.1794.43
CUT 541
FILL 0

1382+00.00

OFFSET -107.52
ΦEL.1812.90
4:1
ΦEL.1801.68
6:1
OFFSET -31.28
EL.1806.91
-0.040
-0.010
0.020
0.020
FG EL. 1808.36
-0.020
-0.020
-0.040
-0.020
EL.1806.21
OFFSET 32.59
4:1
PRES. R.O.W.
OFFSET 44.33
ΦEL.1801.33
4:1
ΦEL.1808.74
OFFSET 78.30
PRES. R.O.W.
OFFSET 88.58
CUT 1087
FILL 0

S.R. 28
BEGIN STA. 1382+00.00
END STA. 1383+00.00

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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

PS&E
FIELD
REVIEW

1384+50.00

CUT 2374
FILL 0

OFFSET -93.86
℄EL.1810.52

3:1

℄EL.1795.08

6:1

OFFSET -31.28
EL.1797.13

-0.040 -0.010 0.020 0.020 -0.020 -0.020 -0.040 -0.040

FG EL. 1798.58

6:1

EL. 1796.43
OFFSET 32.59

℄EL.1793.83

3:1

℄EL.1807.48
OFFSET 89.17

1384+00.00

CUT 1039
FILL 0

OFFSET -97.43
℄EL.1813.05

3:1

℄EL.1796.91

6:1

OFFSET -31.28
EL.1799.20

-0.040 -0.010 0.020 0.020 -0.020 -0.020 -0.040 -0.040

FG EL. 1800.65

6:1

EL. 1798.50
OFFSET 32.59

℄EL.1796.07

4:1

℄EL.1801.61
OFFSET 69.32

1383+50.00

CUT 327
FILL 0

PRES. R.O.W.
OFFSET 126.26

OFFSET -95.54
℄EL.1807.23

4:1

℄EL.1797.59

6:1

OFFSET -31.28
EL.1801.21

-0.040 -0.010 0.020 0.020 -0.020 -0.020 -0.040 -0.040

FG EL. 1802.66

6:1

EL. 1800.51
OFFSET 32.59

℄EL.1798.31

4:1

℄EL.1801.79
OFFSET 59.69

S.R. 28

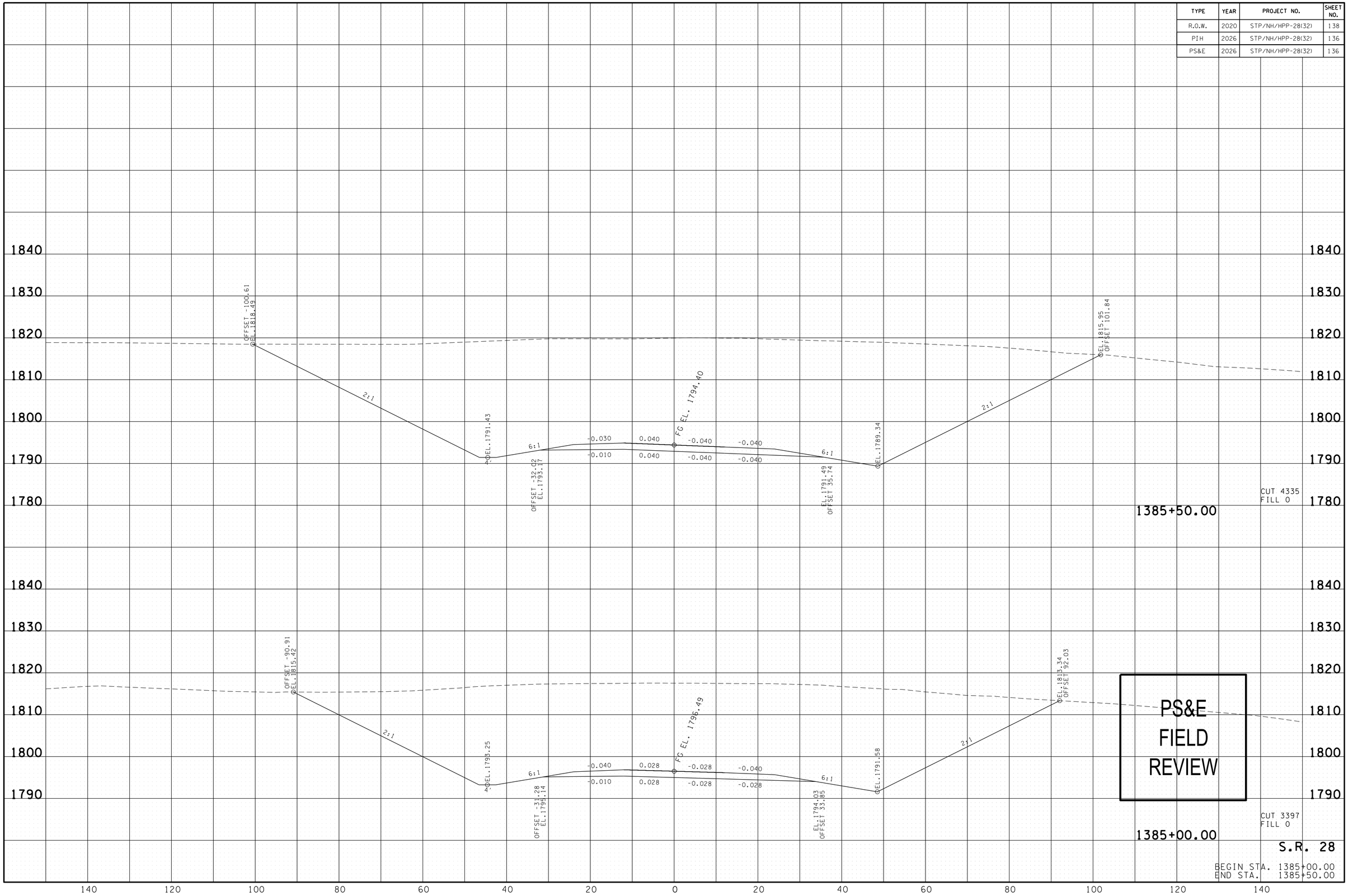
BEGIN STA. 1383+50.00
END STA. 1384+50.00

1830 1820 1810 1800 1790

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

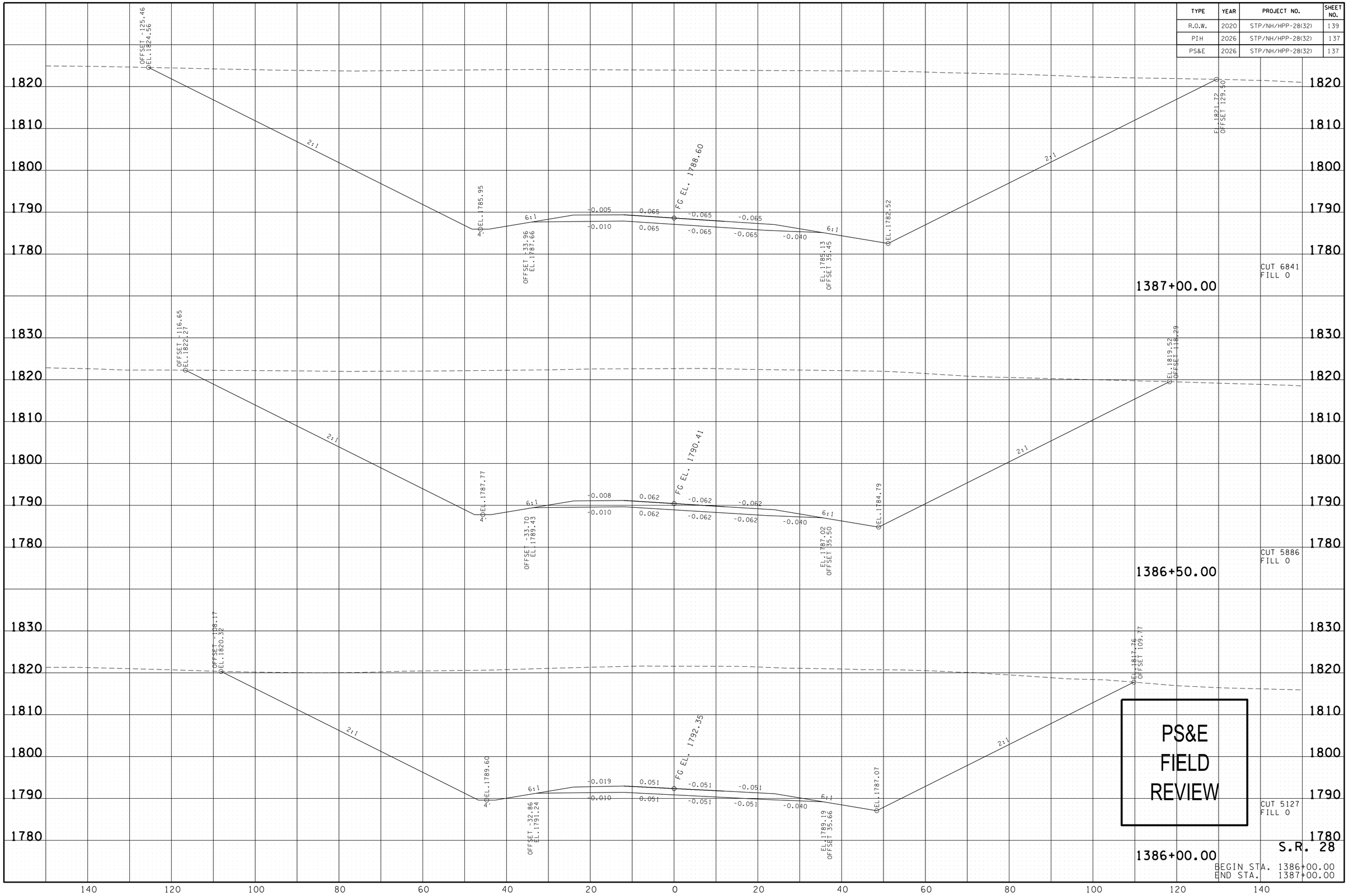
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	138
PIH	2026	STP/NH/HPP-28(32)	136
PS&E	2026	STP/NH/HPP-28(32)	136



1/30/2026
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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



1/30/2026
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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

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

CUT 8284
FILL 0

1388+00.00

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

PS&E
FIELD
REVIEW

CUT 7756
FILL 0

1387+50.00

S.R. 28

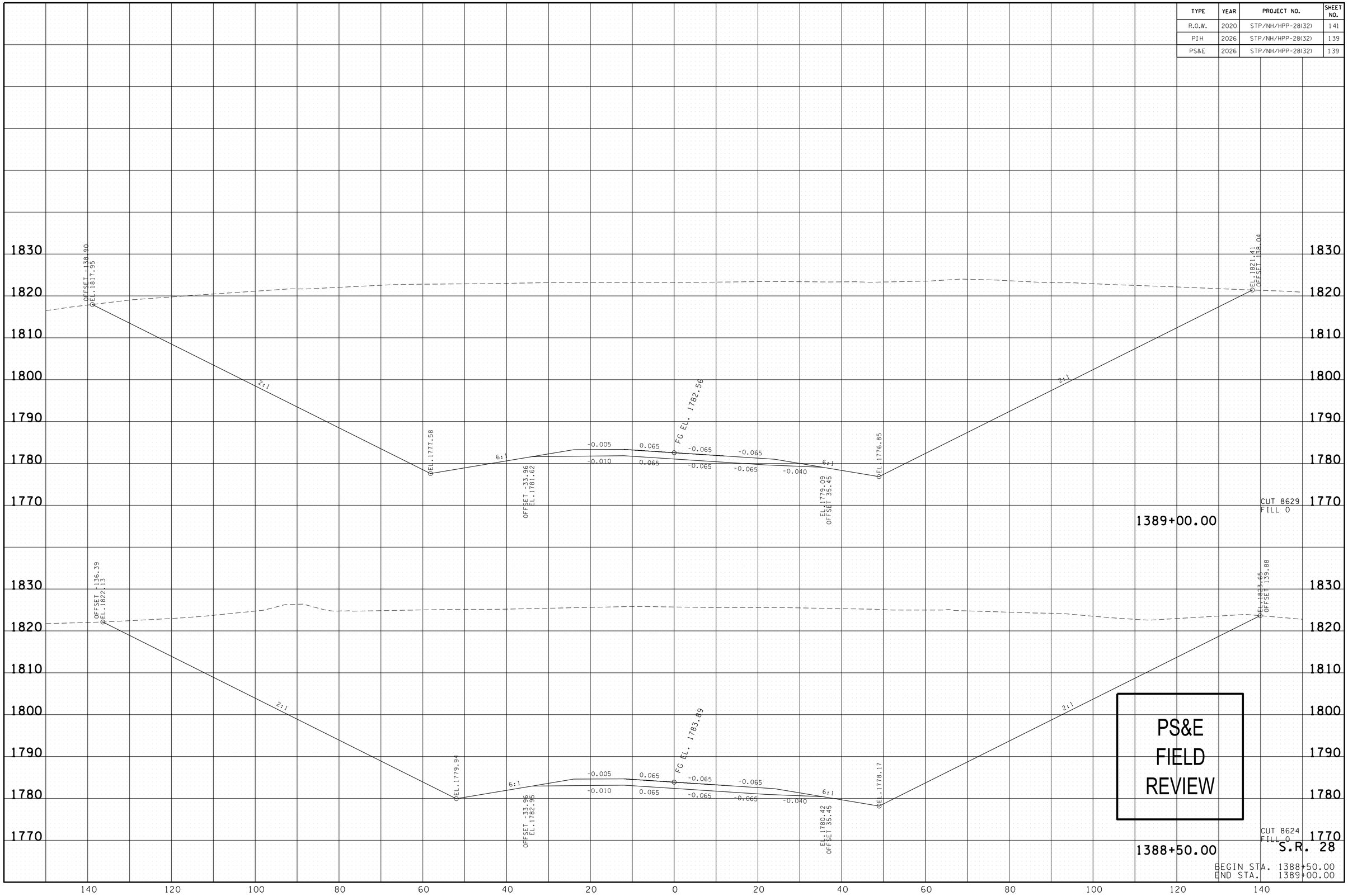
BEGIN STA. 1387+50.00
END STA. 1388+00.00

1840
1830
1820
1810
1800
1790
1780
1770

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

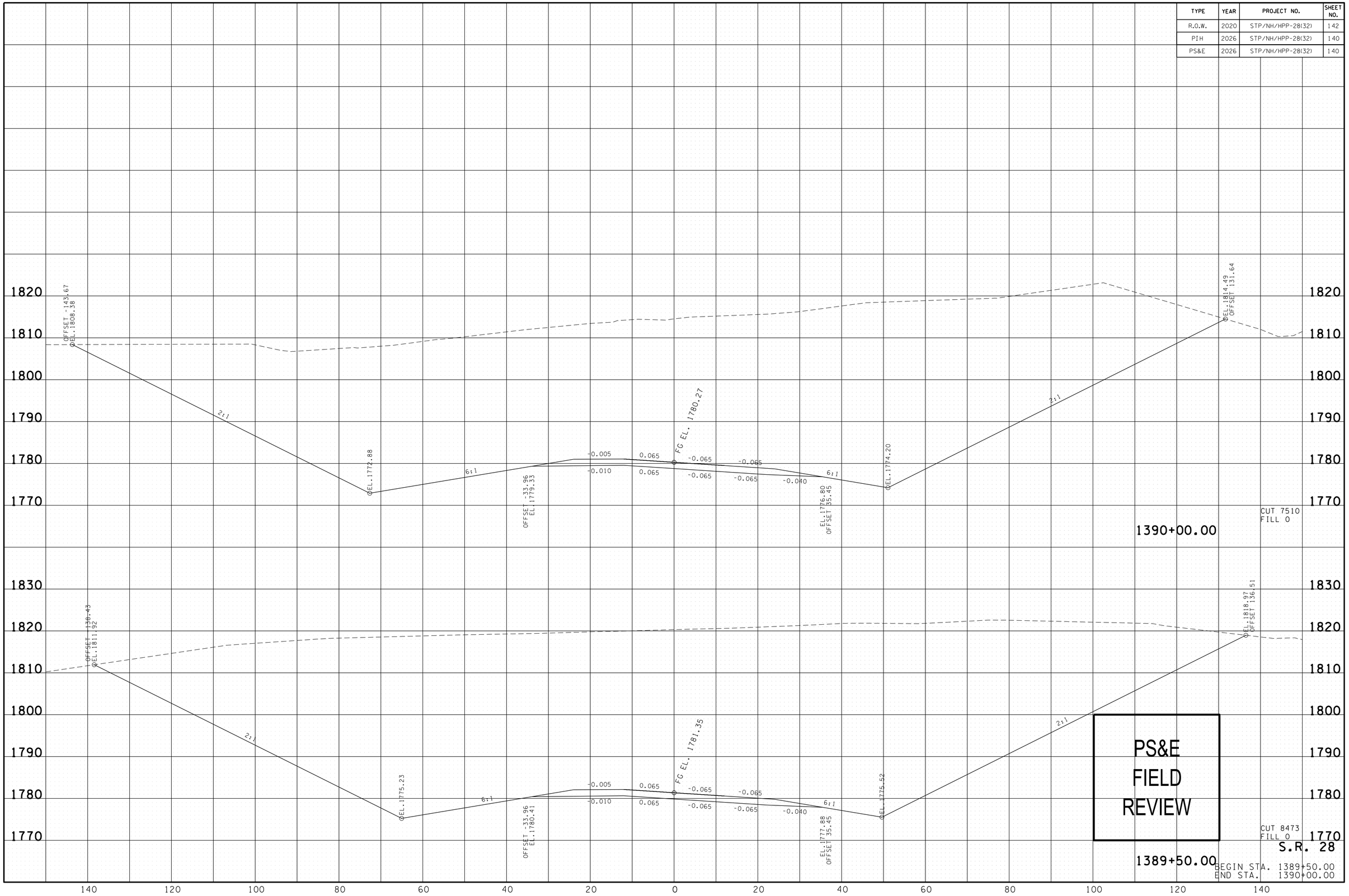
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	141
PIH	2026	STP/NH/HPP-28(32)	139
PS&E	2026	STP/NH/HPP-28(32)	139



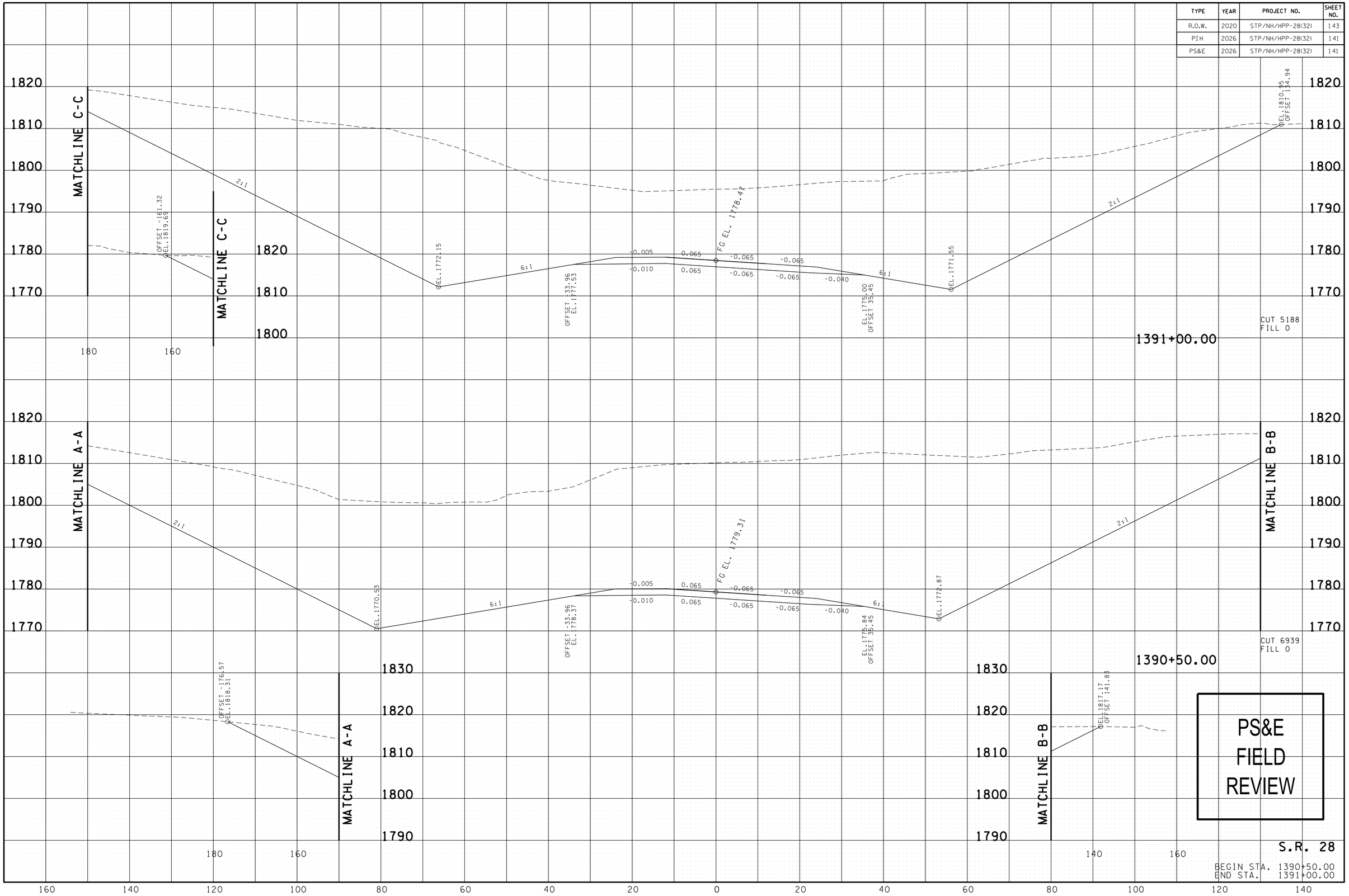
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	142
PIH	2026	STP/NH/HPP-28(32)	140
PS&E	2026	STP/NH/HPP-28(32)	140



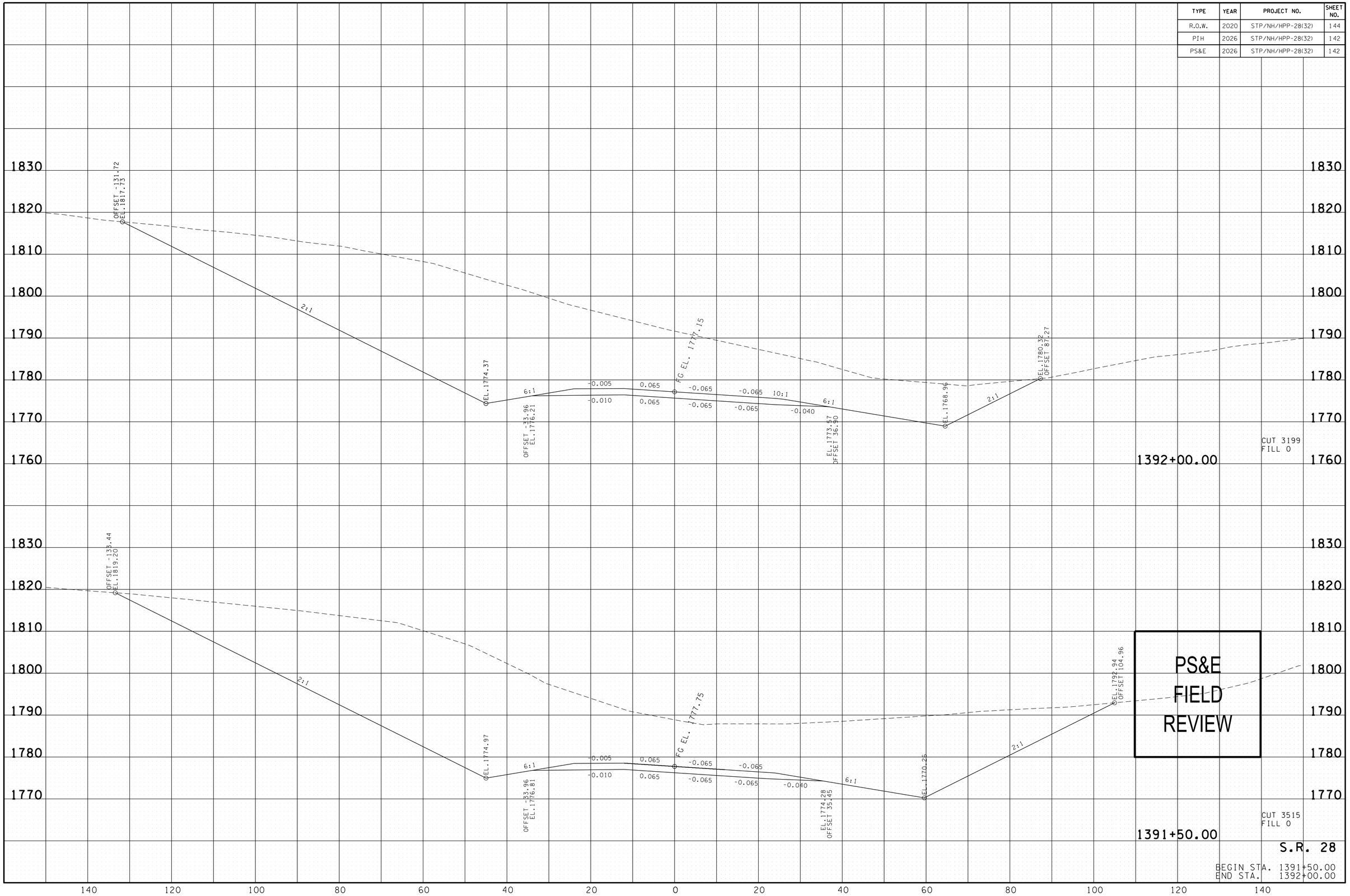
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	143
PIH	2026	STP/NH/HPP-28(32)	141
PS&E	2026	STP/NH/HPP-28(32)	141



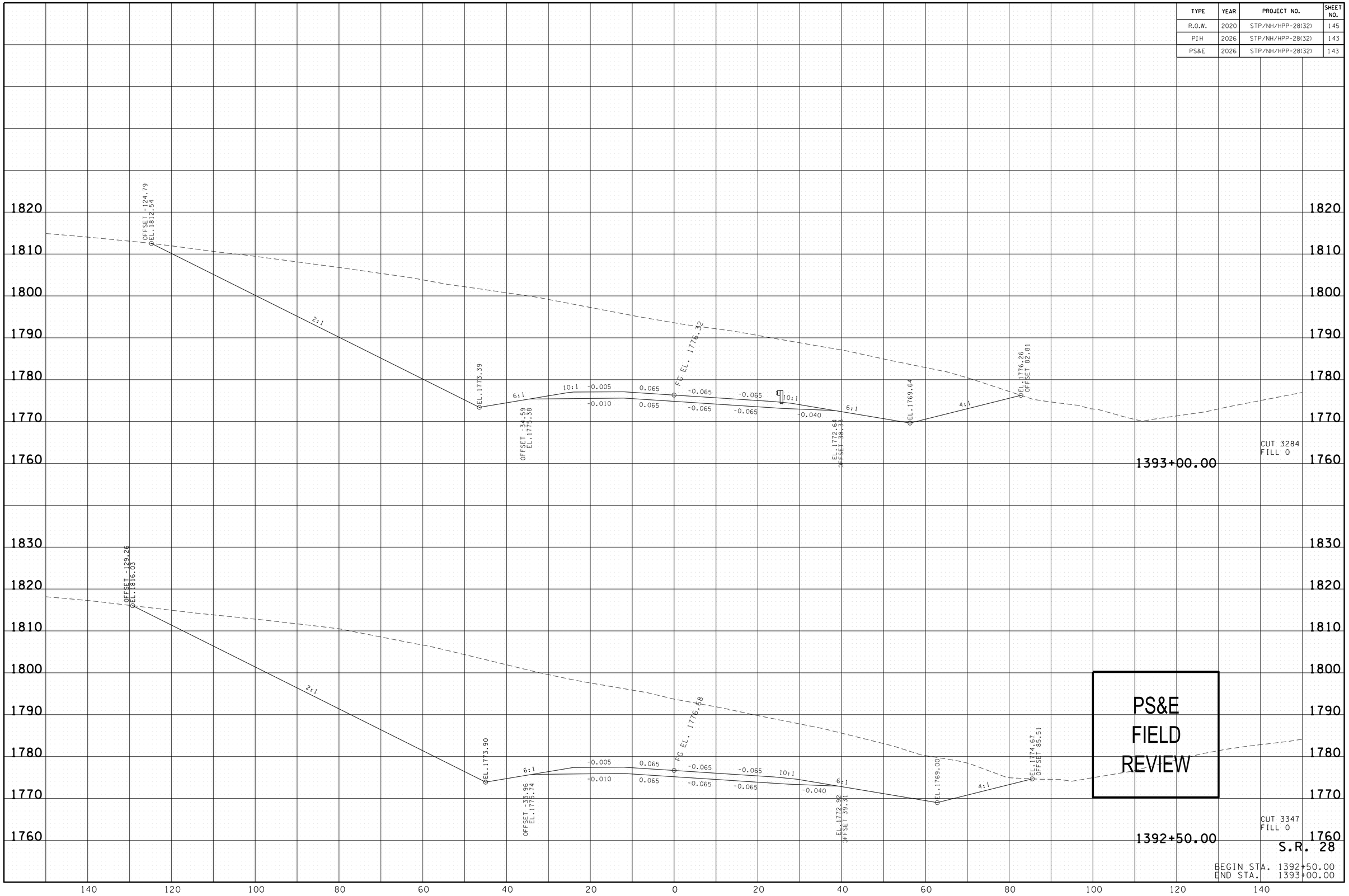
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	144
PIH	2026	STP/NH/HPP-28(32)	142
PS&E	2026	STP/NH/HPP-28(32)	142



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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



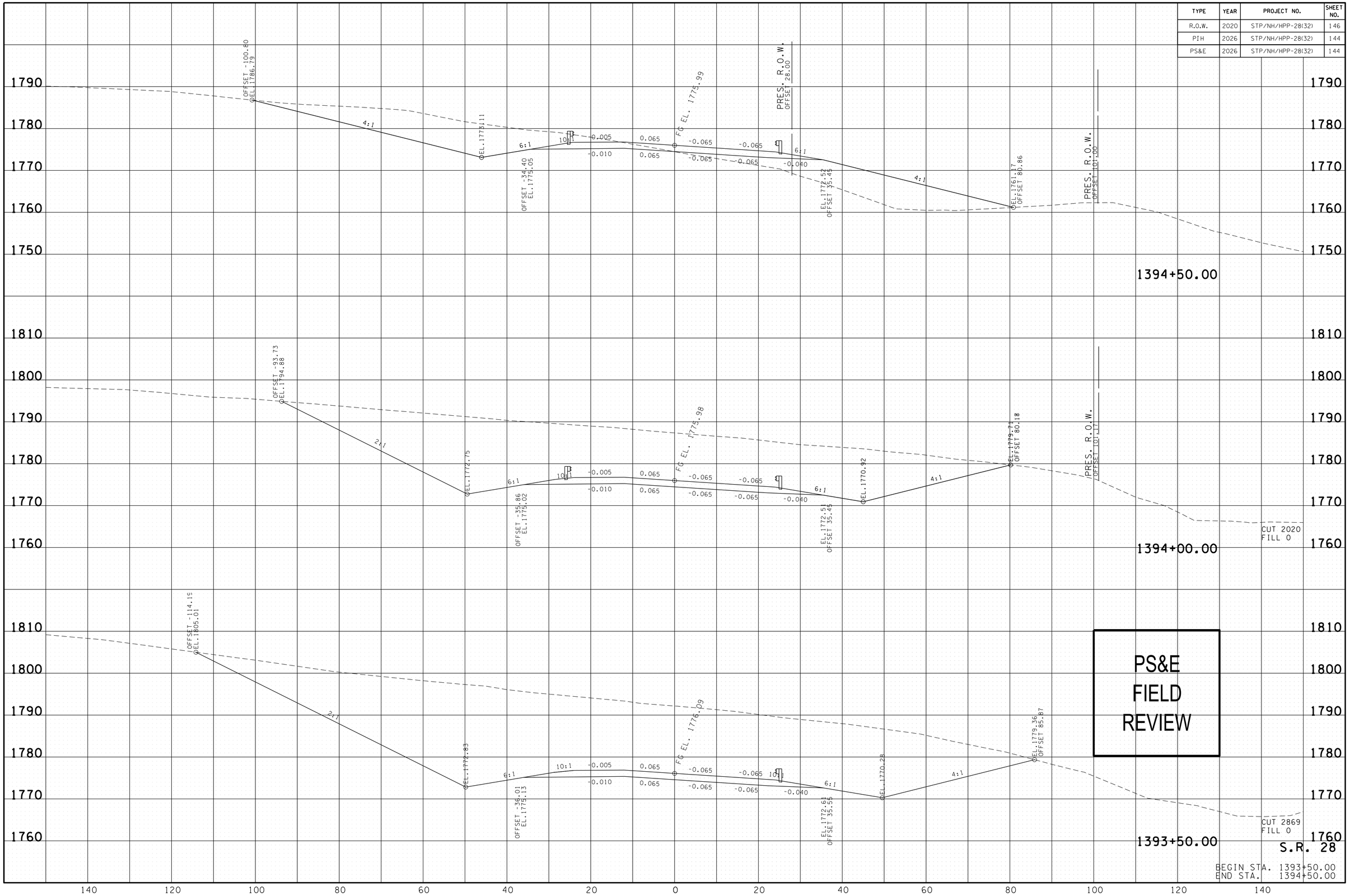
PS&E
FIELD
REVIEW

S.R. 28

BEGIN STA. 1392+50.00
END STA. 1393+00.00

1/30/2026
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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



PS&E
FIELD
REVIEW

1/30/2026
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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

1790
1780
1770
1760
1750
1740
1730
1720
1710

OFFSET -97.02
EL. 1745.13
2:1
EL. 1742.72
2:1
OFFSET -90.64
EL. 1743.50
PRES. R.O.W.
OFFSET -66.98
0.065
FG EL. 1776.38
-0.065
1395+50.00

OFFSET -85.57
EL. 1766.77
2:1
EL. 1757.97
2:1
EL. 1761.26
OFFSET -61.38
PRES. R.O.W.
OFFSET -56.05
0.065
FG EL. 1776.12
-0.065
BRIDGE BEGIN
STA. 1394+64.00
PRES. R.O.W.
OFFSET 24.91

PS&E
FIELD
REVIEW

1395+00.00

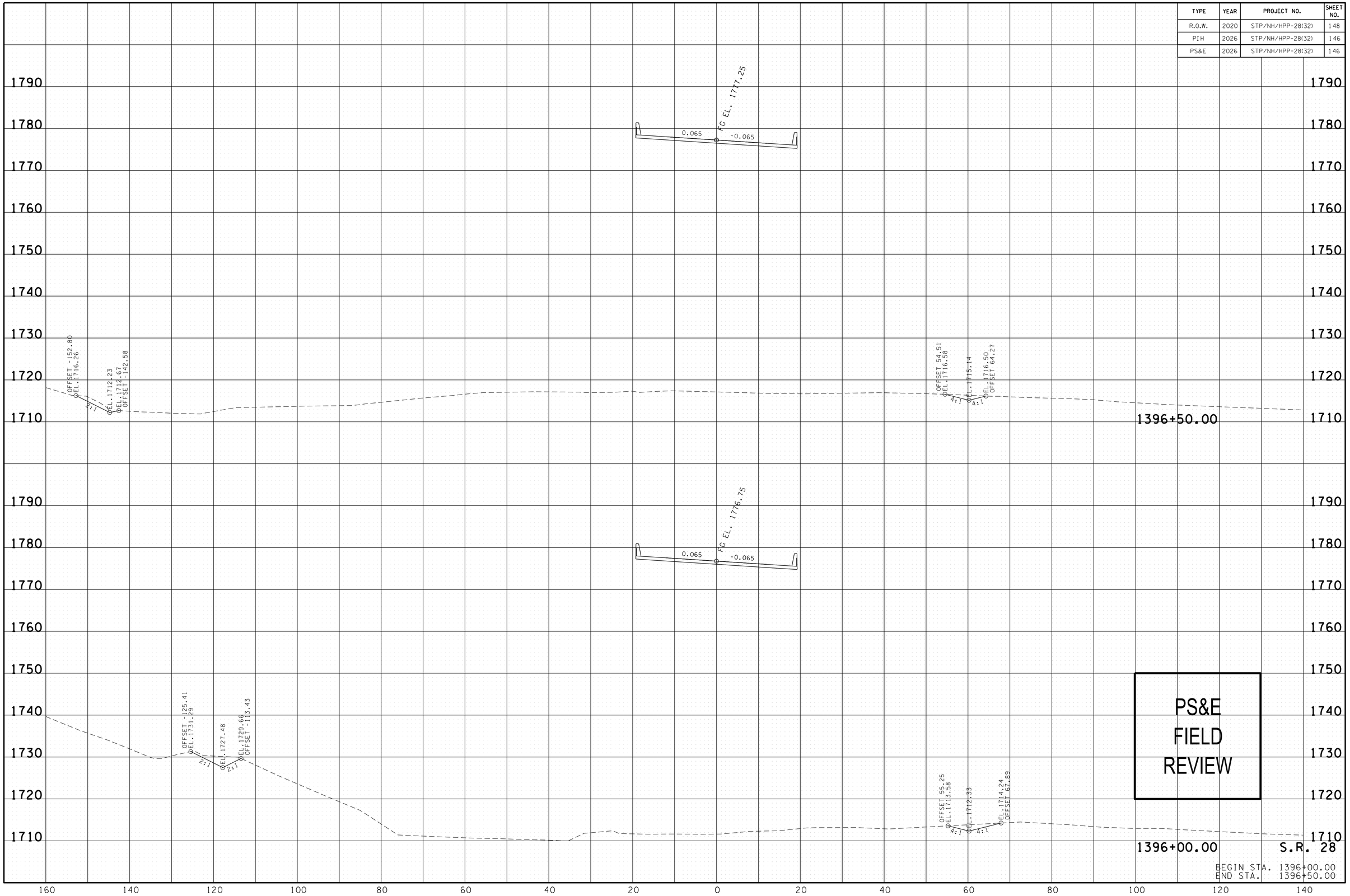
S.R. 28

BEGIN STA. 1395+00.00
END STA. 1395+50.00

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

1/30/2026
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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



1/30/2026
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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

1790
1780
1770
1760
1750
1740
1730
1720
1710

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
4:1
EL. 1736.41
OFFSET 63.46

1397+50.00

FG EL. 1777.87
0.065
-0.065

PS&E
FIELD
REVIEW

OFFSET -196.05
EL. 1715.15
4:1
EL. 1713.67
EL. 1714.92
4:1
OFFSET -189.43
OFFSET 56.21
EL. 1724.45
4:1
EL. 1723.44
4:1
EL. 1724.28
OFFSET 63.61

1397+00.00

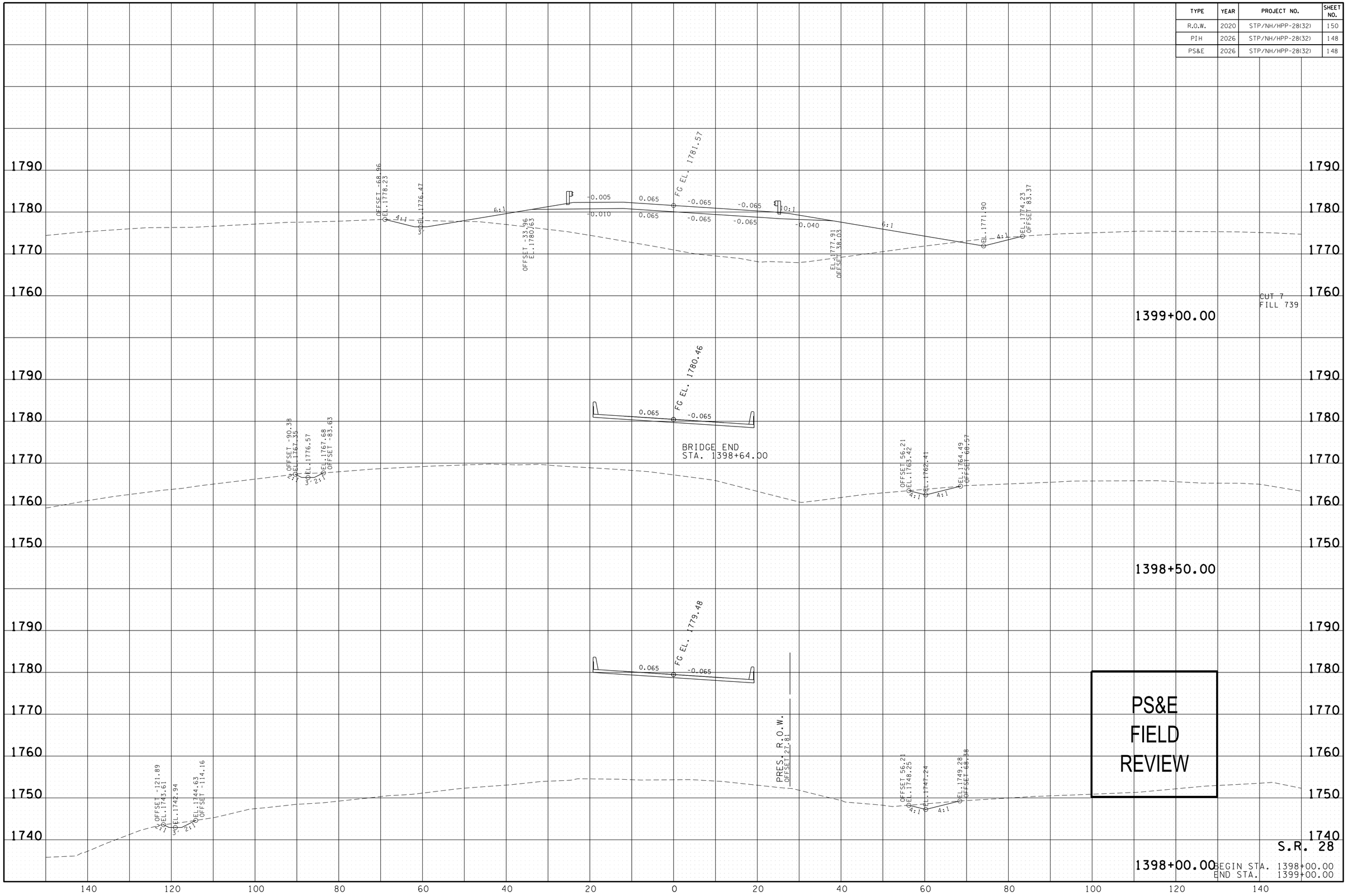
S.R. 28

BEGIN STA. 1397+00.00
END STA. 1397+50.00

200 180 160 140 120 100 80 60 40 20 0 20 40 60 60

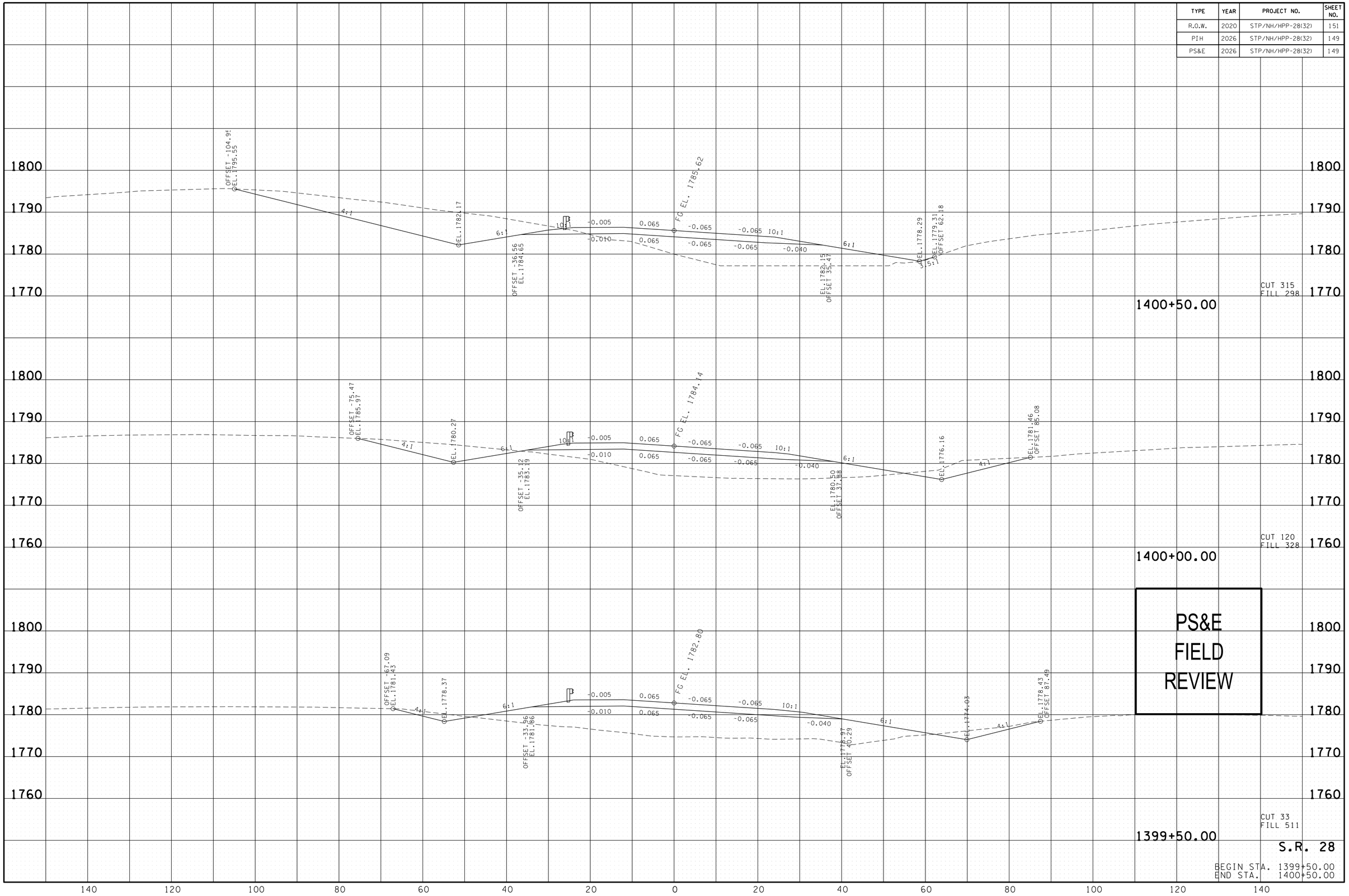
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	150
PIH	2026	STP/NH/HPP-28(32)	148
PS&E	2026	STP/NH/HPP-28(32)	148



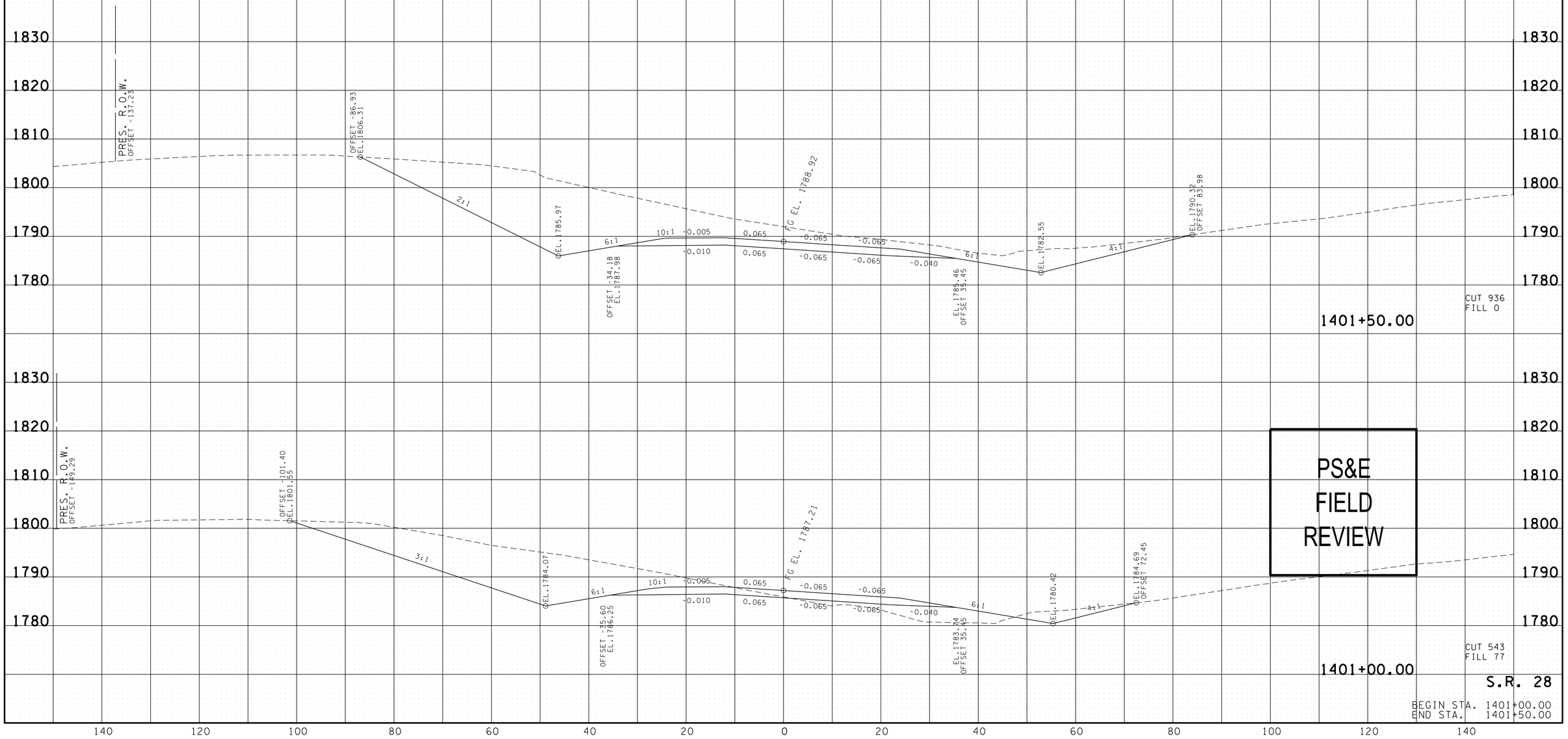
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	151
PIH	2026	STP/NH/HPP-28(32)	149
PS&E	2026	STP/NH/HPP-28(32)	149



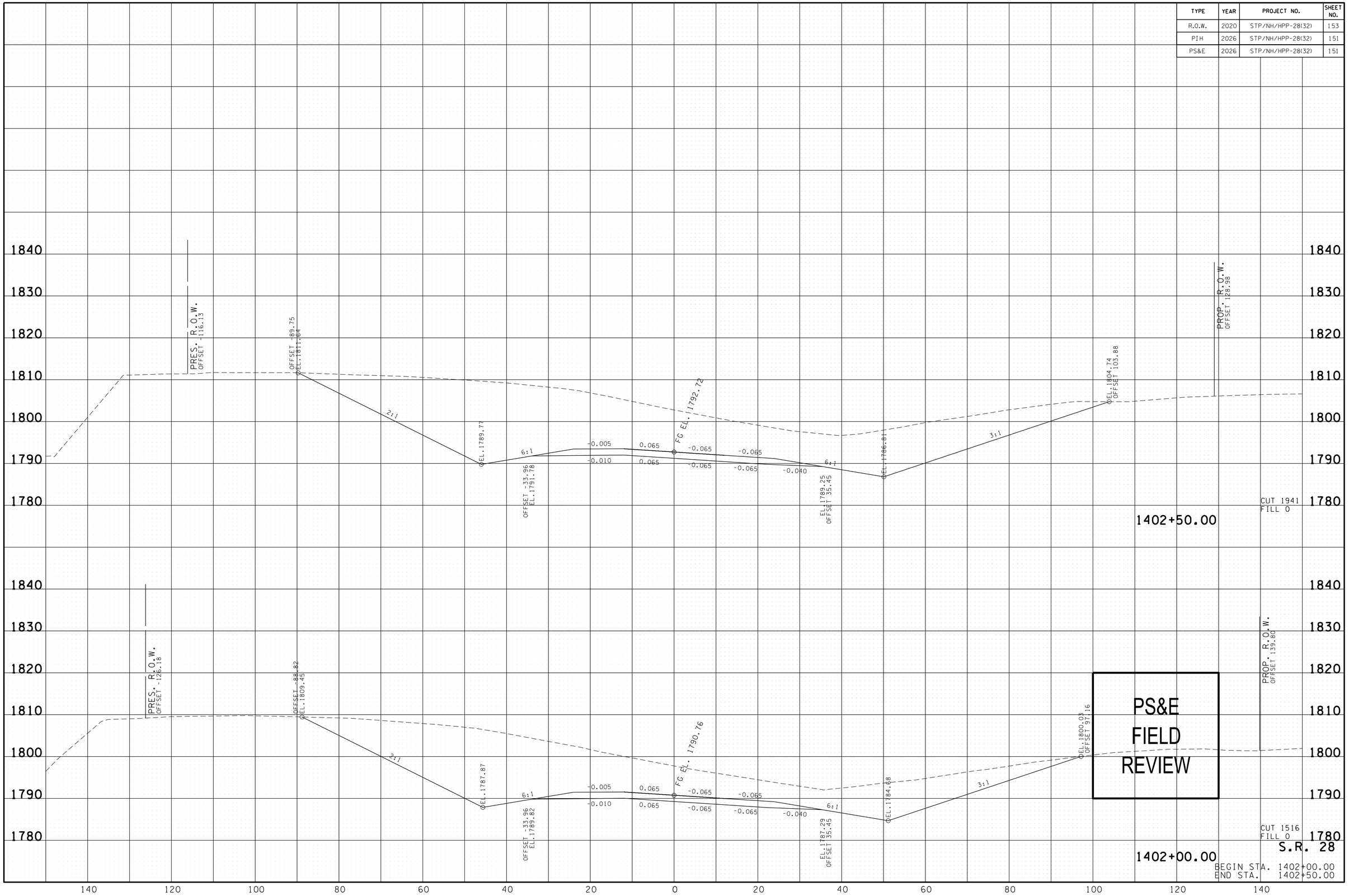
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	152
PIH	2026	STP/NH/HPP-28(32)	150
PS&E	2026	STP/NH/HPP-28(32)	150



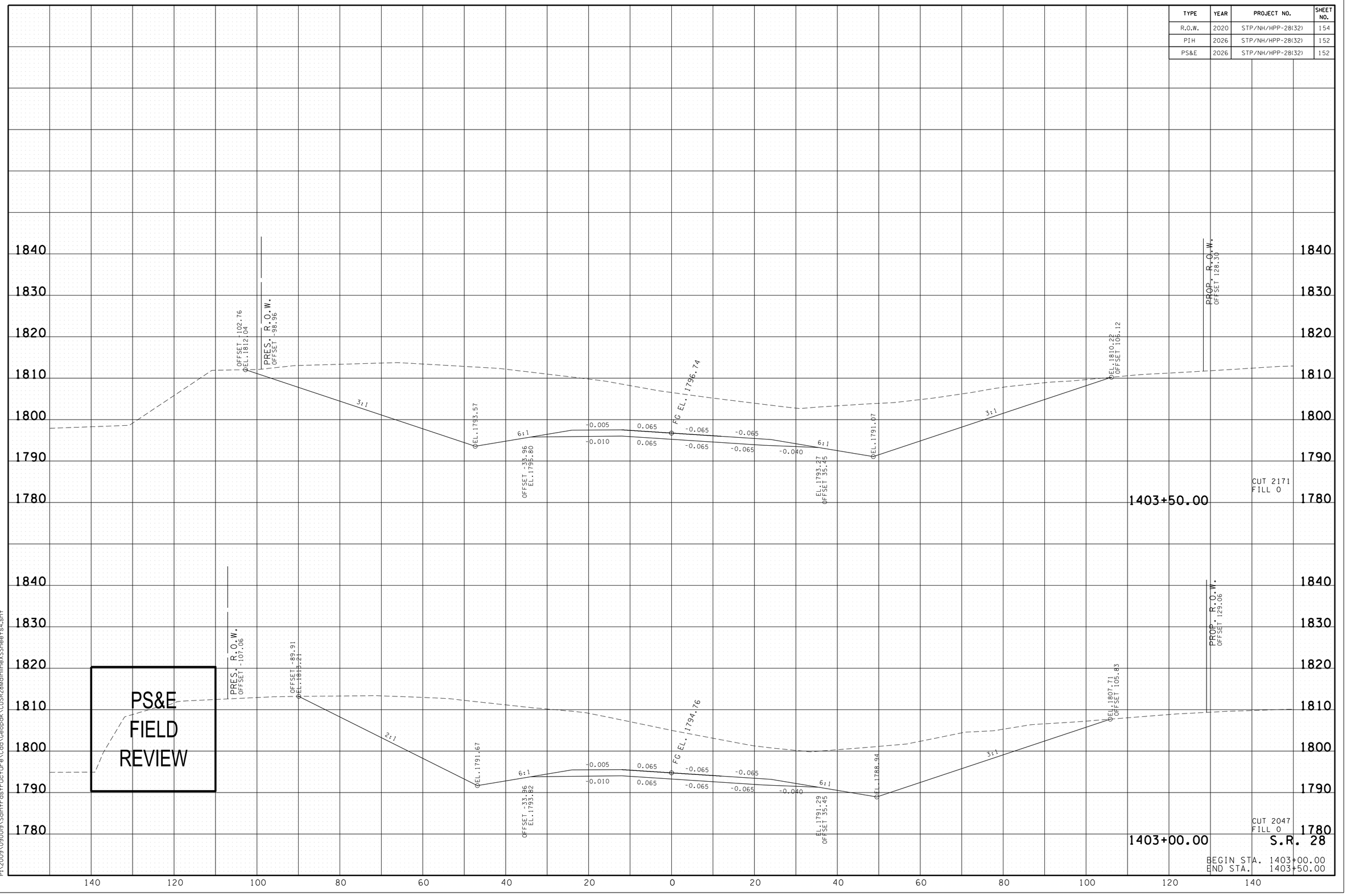
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	153
PIH	2026	STP/NH/HPP-28(32)	151
PS&E	2026	STP/NH/HPP-28(32)	151



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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



PS&E
FIELD
REVIEW

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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

PROP. R.O.W.
OFFSET 124.25

PRES. R.O.W.
OFFSET -85.61

OFFSET -90.40
EL. 1808.17

EL.1797.37

4:1

6:1

OFFSET -33.96
EL. 1799.58

-0.005
-0.010
0.065
0.065
FG EL. 1800.52
-0.065
-0.065
-0.065
-0.065
-0.040

EL.1795.02

2:1

EL.1814.67
OFFSET 86.89

EL.1797.05
OFFSET 35.45

CUT 2299
FILL 0

1404+50.00

PROP. R.O.W.
OFFSET 126.70

PRES. R.O.W.
OFFSET -91.81

OFFSET -99.69
EL. 1812.87

3:1

EL.1795.47

6:1

OFFSET -33.96
EL. 1797.72

-0.005
-0.010
0.065
0.065
FG EL. 1798.66
-0.065
-0.065
-0.065
-0.065
-0.040

EL.1795.20

2:1

EL.1810.01
OFFSET 81.04

EL.1795.20
OFFSET 35.45

CUT 2248
FILL 0

1404+00.00

PS&E
FIELD
REVIEW

S.R. 28

BEGIN STA. 1404+00.00
END STA. 1404+50.00

1840
1830
1820
1810
1800
1790

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

1/30/2026
P:\2009\09019\Sanfrastructure\Cad\Geopak\CUSR28MainlineXSheets5.sht

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

PS&E
FIELD
REVIEW

1405+50.00

CUT 2874
FILL 0

PRES. R.O.W.
OFFSET -76.99

OFFSET -99.78
EL. 1814.74

4:1

EL. 1801.17

6:1

-0.005
-0.010
0.065
0.065

FG EL. 1804.03

-0.065
-0.065
-0.065
-0.065
-0.040

6:1

EL. 1798.67

2:1

EL. 1821.57
OFFSET 32.58

PROP. R.O.W.
OFFSET 116.93

OFFSET -33.96
EL. 1803.09

EL. 1800.56
OFFSET 35.45

1405+00.00

CUT 2794
FILL 0

S.R. 28

BEGIN STA. 1405+00.00
END STA. 1405+50.00

PRES. R.O.W.
OFFSET -80.34

OFFSET -104.74
EL. 1813.82

4:1

EL. 1799.27

6:1

-0.005
-0.010
0.065
0.065

FG EL. 1802.51

-0.065
-0.065
-0.065
-0.065
-0.040

6:1

EL. 1796.85

2:1

EL. 1817.95
OFFSET 89.60

PROP. R.O.W.
OFFSET 120.95

OFFSET -33.96
EL. 1801.37

EL. 1798.84
OFFSET 35.45

1850
1840
1830
1820
1810
1800
1790

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

1/30/2026
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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

PS&E
FIELD
REVIEW

PRES. R.O.W.
OFFSET -69.99

PROP. R.O.W.
OFFSET 119.79

OFFSET -91.91
EL. 1814.85

EL. 1803.72

OFFSET -32.73
EL. 1806.16

FG EL. 1807.28

EL. 1804.16
OFFSET 35.69

EL. 1802.32

EL. 1825.49
OFFSET 93.07

CUT 2752
FILL 0

1406+50.00

PRES. R.O.W.
OFFSET 72.56

PROP. R.O.W.
OFFSET 115.85

OFFSET -96.99
EL. 1814.93

EL. 1802.45

OFFSET -33.57
EL. 1804.69

FG EL. 1805.69

EL. 1802.33
OFFSET 35.52

EL. 1800.50

EL. 1823.59
OFFSET 92.72

CUT 2907
FILL 0

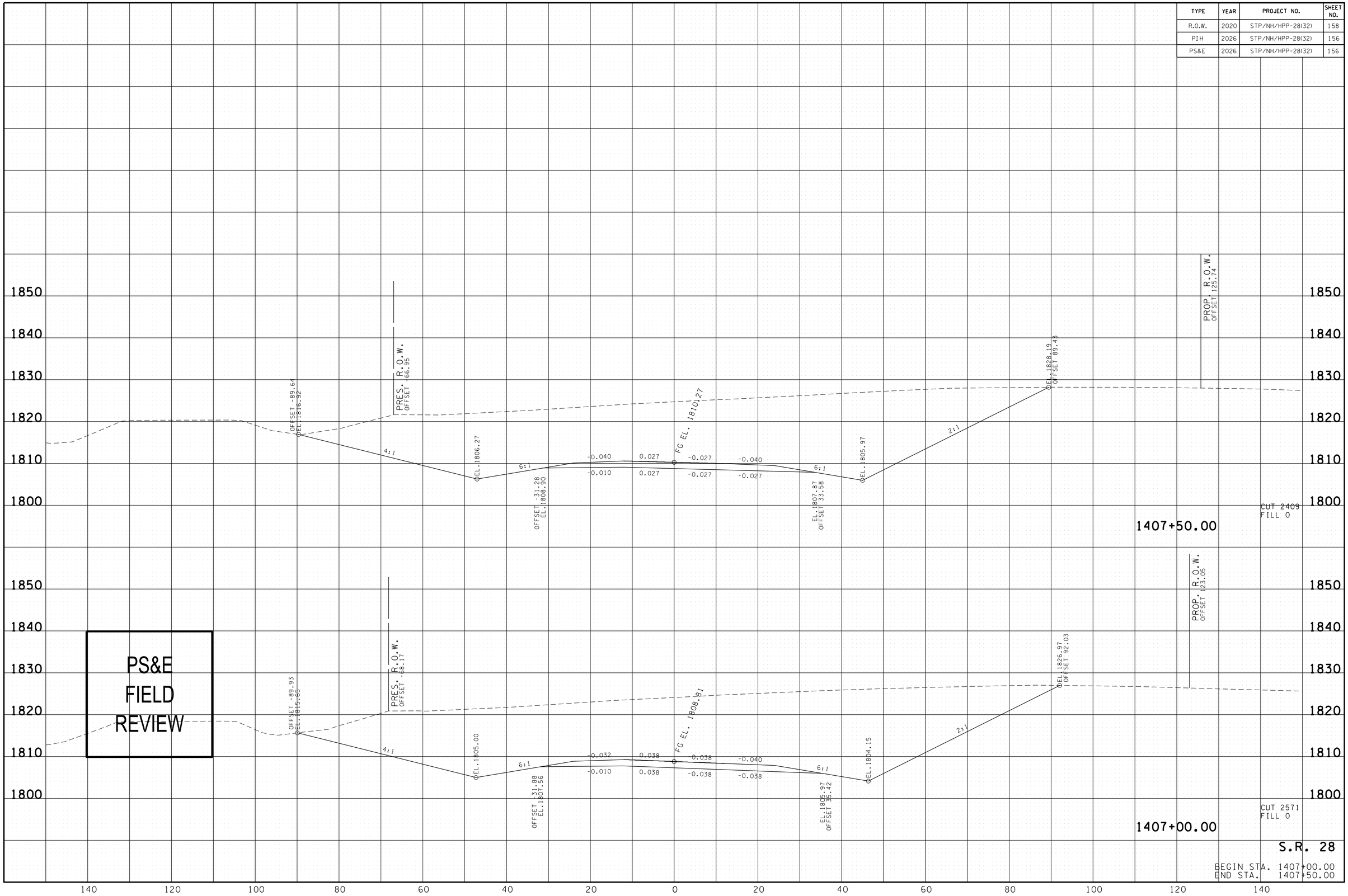
1406+00.00

S.R. 28

BEGIN STA. 1406+00.00
END STA. 1406+50.00

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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



PS&E
FIELD
REVIEW

S.R. 28

BEGIN STA. 1407+00.00
END STA. 1407+50.00

1/30/2026
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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

PS&E
FIELD
REVIEW

1408+50.00

PROP. R.O.W.
OFFSET 129.85

CUT 2194
FILL 0

OFFSET -86.87
EL. 1818.63

PRES. R.O.W.
OFFSET -65.90

EL. 1808.82

4:1

6:1

OFFSET -31.28
EL. 1811.54

-0.040 0.020 -0.020 -0.040
-0.010 0.020 -0.020 0.020

℄ FG EL. 1813.00

EL. 1810.85
OFFSET 32.59

6:1

EL. 1808.78

2:1

EL. 1830.03
OFFSET 87.51

1408+00.00

PROP. R.O.W.
OFFSET 127.98

CUT 2340
FILL 0

OFFSET -91.88
EL. 1818.69

PRES. R.O.W.
OFFSET -66.24

EL. 1807.55

4:1

6:1

OFFSET -31.28
EL. 1810.21

-0.040 0.020 -0.020 -0.040
-0.010 0.020 -0.020 -0.020

℄ FG EL. 1811.67

EL. 1809.51
OFFSET 32.59

6:1

EL. 1807.45

2:1

EL. 1829.44
OFFSET 88.98

S.R. 28

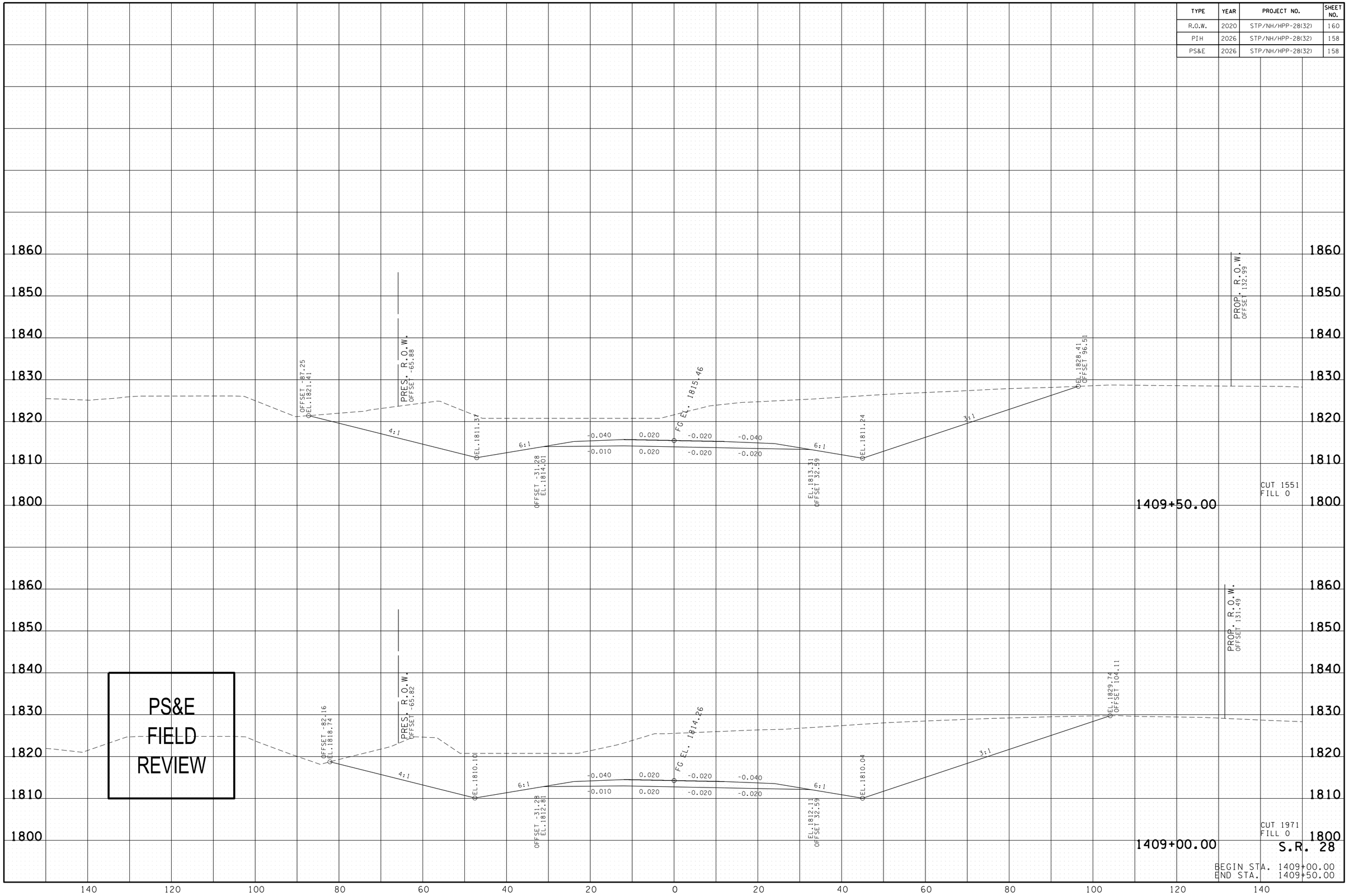
BEGIN STA. 1408+00.00
END STA. 1408+50.00

1860 1850 1840 1830 1820 1810 1800

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

1/30/2026
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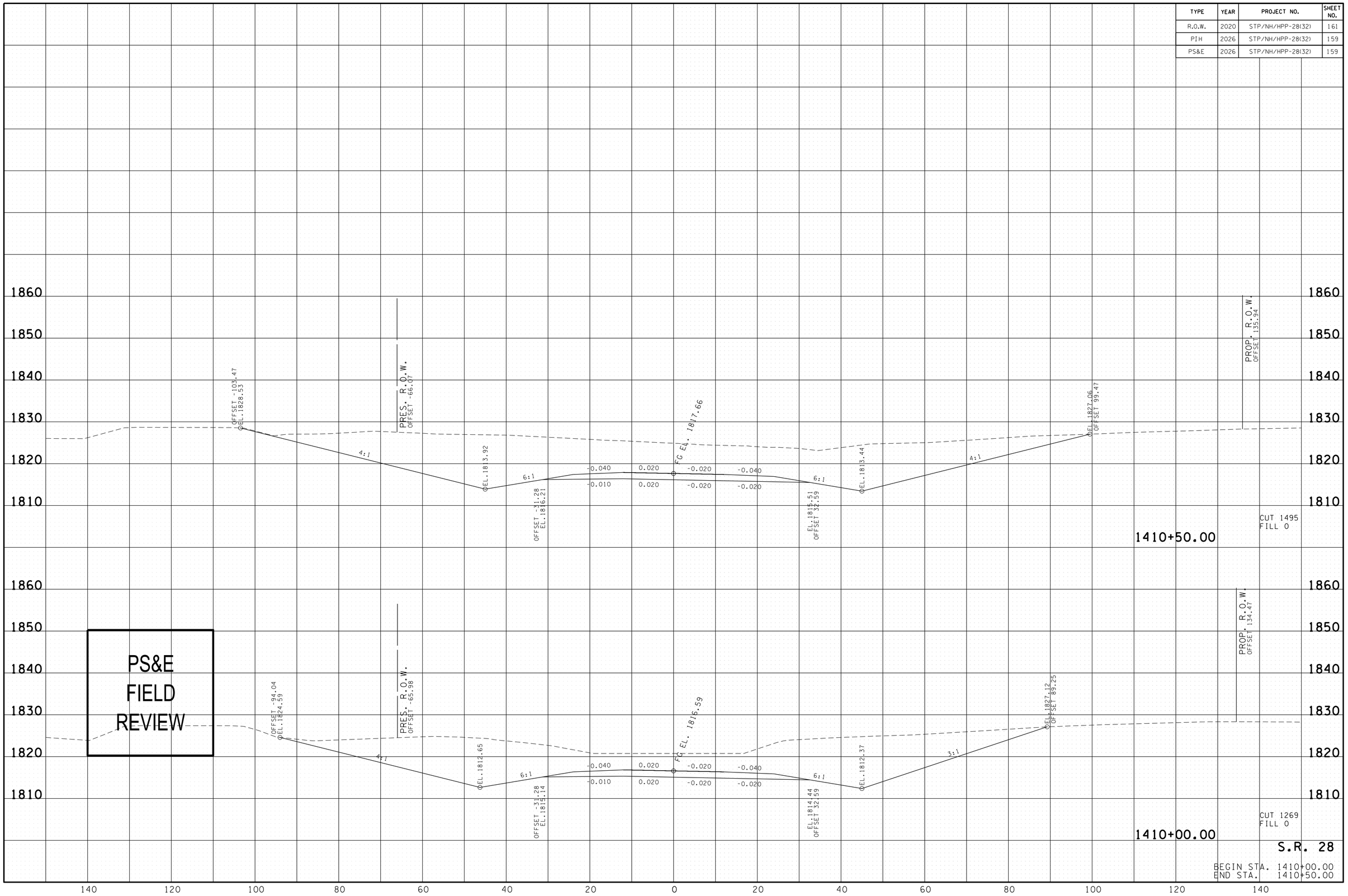
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	160
PIH	2026	STP/NH/HPP-28(32)	158
PS&E	2026	STP/NH/HPP-28(32)	158



PS&E
FIELD
REVIEW

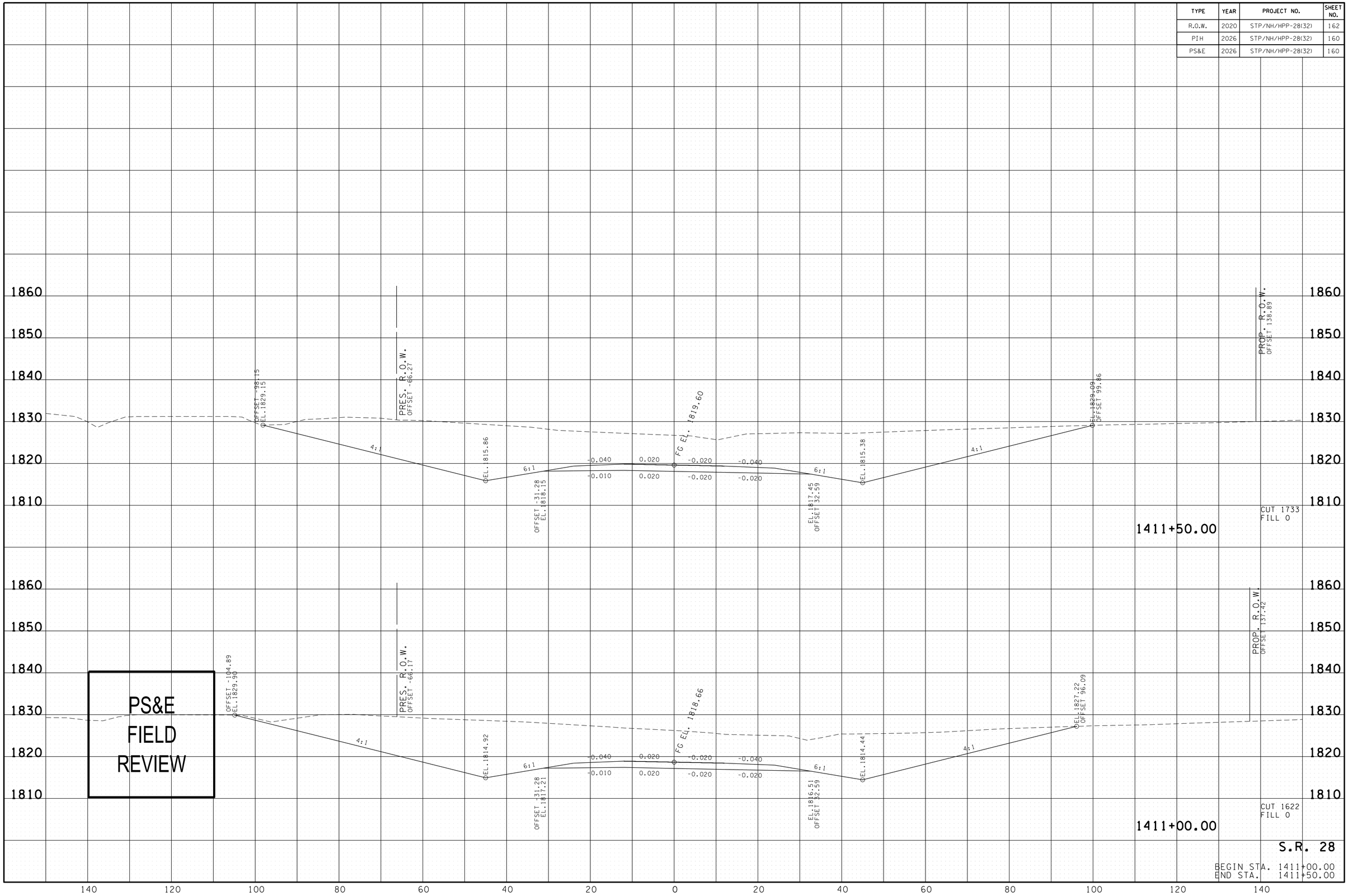
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	161
PIH	2026	STP/NH/HPP-28(32)	159
PS&E	2026	STP/NH/HPP-28(32)	159



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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



PS&E
FIELD
REVIEW

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

PROP. R.O.W.
OFFSET 143.32

OFFSET -94.83
EL. 1830.13

PRES. R.O.W.
OFFSET 66.56

EL. 1818.28

4:1

6:1

OFFSET 31.28
EL. 1820.56

-0.040
-0.010
0.020
0.020
FG EL. 1822.02
-0.020
-0.020
-0.040
-0.020

6:1

EL. 1819.86
OFFSET 32.59

EL. 1817.80

3:1

EL. 1835.85
OFFSET 99.17

1413+00.00

CUT 2139
FILL 0

PROP. R.O.W.
OFFSET 141.84

OFFSET -85.88
EL. 1831.16

PRES. R.O.W.
OFFSET -66.46

EL. 1817.54

3:1

6:1

OFFSET 31.28
EL. 1819.82

-0.040
-0.010
0.020
0.020
FG EL. 1821.28
-0.020
-0.020
-0.040
-0.020

6:1

EL. 1819.12
OFFSET 32.59

EL. 1817.06

3:1

EL. 1833.84
OFFSET 95.36

1412+50.00

CUT 2058
FILL 0

PS&E
FIELD
REVIEW

PROP. R.O.W.
OFFSET 140.37

OFFSET -96.59
EL. 1829.63

PRES. R.O.W.
OFFSET -66.36

EL. 1816.73

4:1

6:1

OFFSET 31.28
EL. 1819.02

-0.040
-0.010
0.020
0.020
FG EL. 1820.47
-0.020
-0.020
-0.040
-0.020

6:1

EL. 1818.32
OFFSET 32.59

EL. 1816.25

3:1

EL. 1831.22
OFFSET 89.90

1412+00.00

CUT 1737
FILL 0

S.R. 28

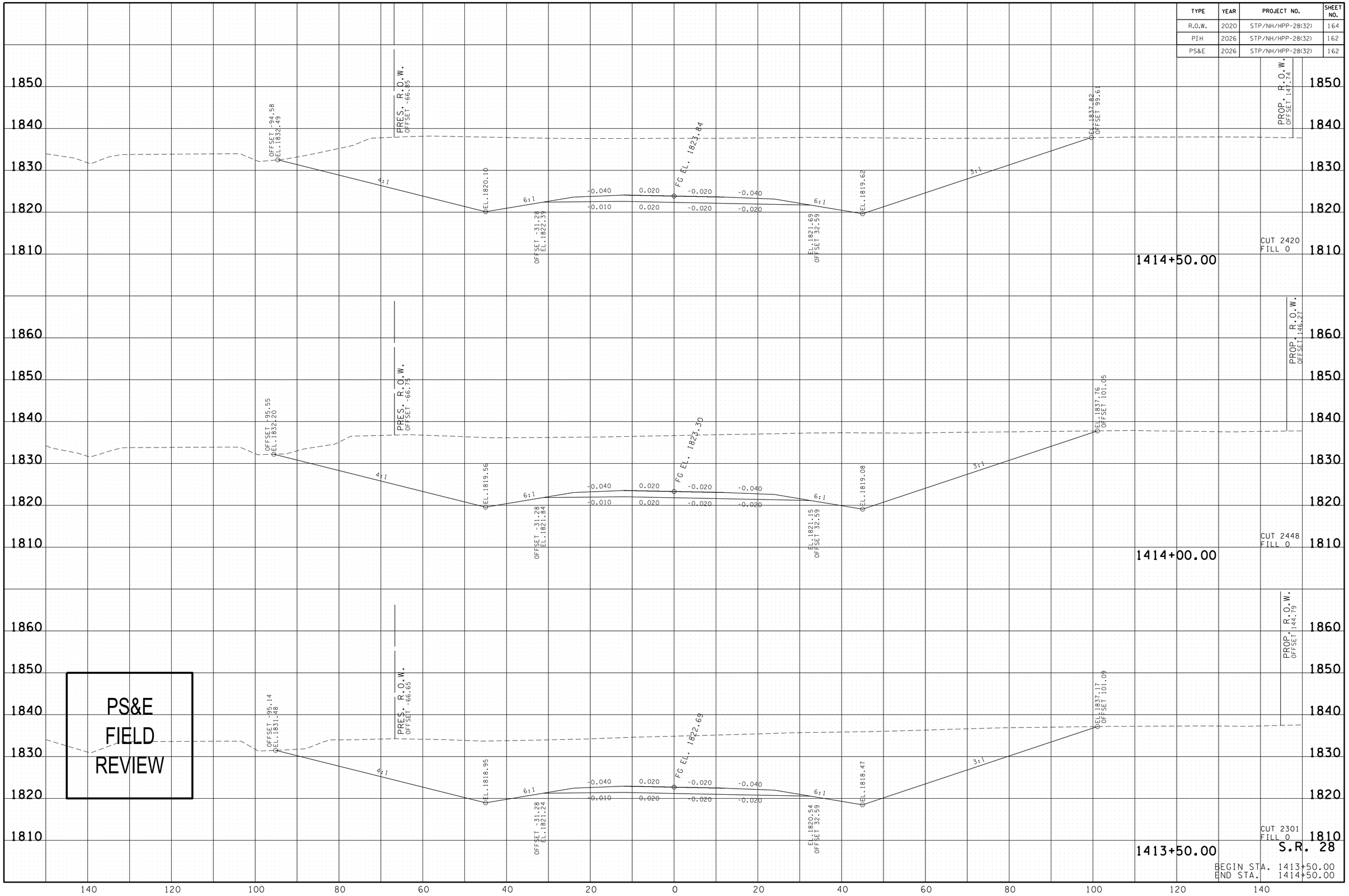
BEGIN STA. 1412+00.00
END STA. 1413+00.00

1850 1840 1830 1820 1810 1860 1850 1840 1830 1820 1810 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)	164
PIH	2026	STP/NH/HPP-28(32)	162
PS&E	2026	STP/NH/HPP-28(32)	162



PS&E FIELD REVIEW

1/30/2026
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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

PROP. R.O.W.
OFFSET 166.41

PRES. R.O.W.
OFFSET -67.04

OFFSET -92.37
EL. 1832.83

EL. 1820.99

4:1

6:1

-0.040 0.020 -0.020 -0.040

-0.010 0.020 -0.020 -0.020

FG EL. 1824.73

OFFSET -31.28
EL. 1823.28

EL. 1822.58
OFFSET 32.59

6:1

EL. 1820.51

3:1

EL. 1836.51
OFFSET 92.99

CUT 2132
FILL 0

1415+50.00

PS&E
FIELD
REVIEW

PRES. R.O.W.
OFFSET -66.94

PROP. R.O.W.

OFFSET -94.34
EL. 1832.91

EL. 1820.58

4:1

6:1

-0.040 0.020 -0.020 -0.040

-0.010 0.020 -0.020 -0.020

FG EL. 1824.32

OFFSET -31.28
EL. 1822.86

EL. 1822.17
OFFSET 32.59

6:1

EL. 1820.10

3:1

EL. 1837.51
OFFSET 97.24

CUT 2360
FILL 0

1415+00.00

S.R. 28

BEGIN STA. 1415+00.00
END STA. 1415+50.00

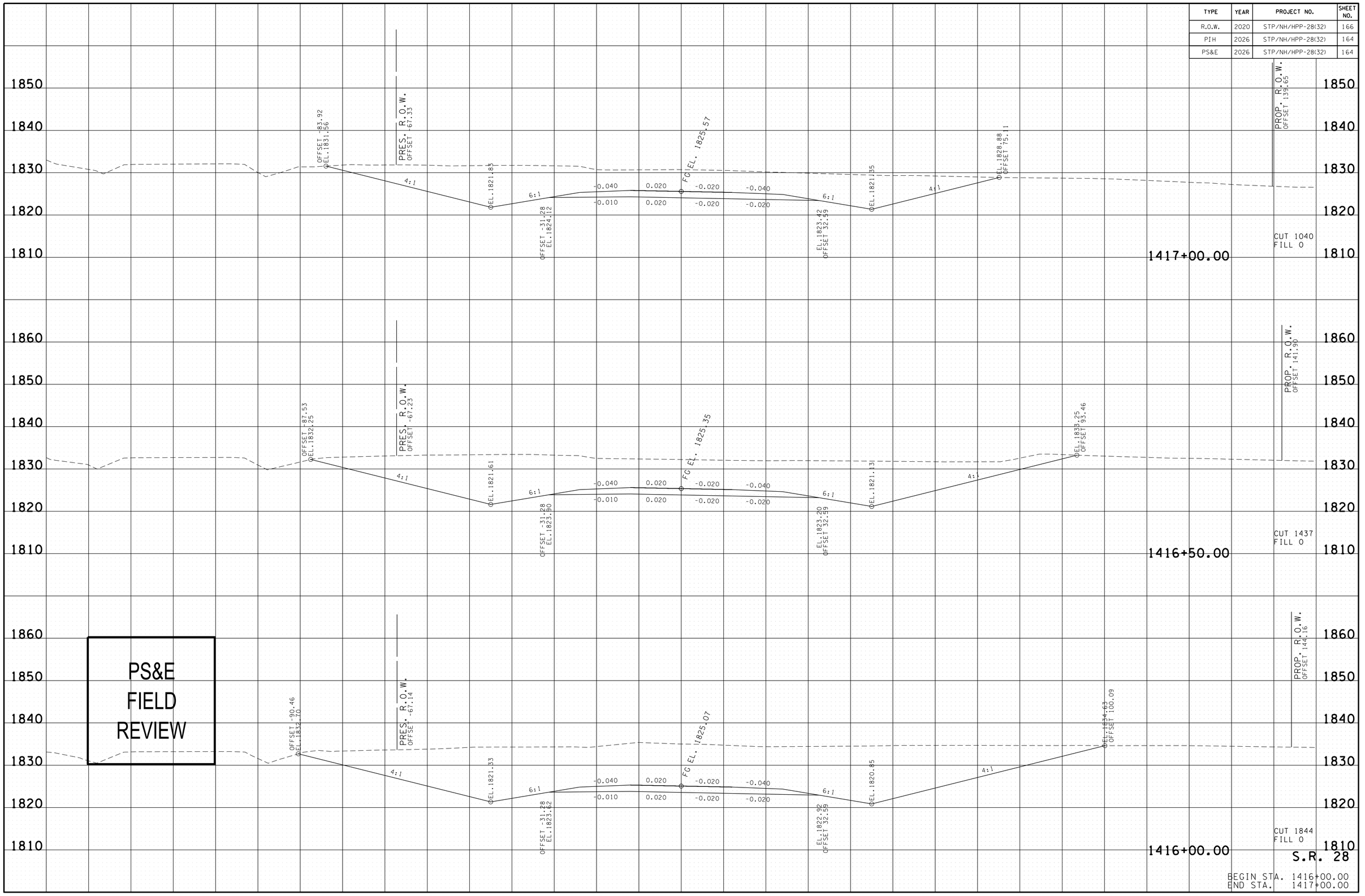
1860 1850 1840 1830 1820 1810

1870 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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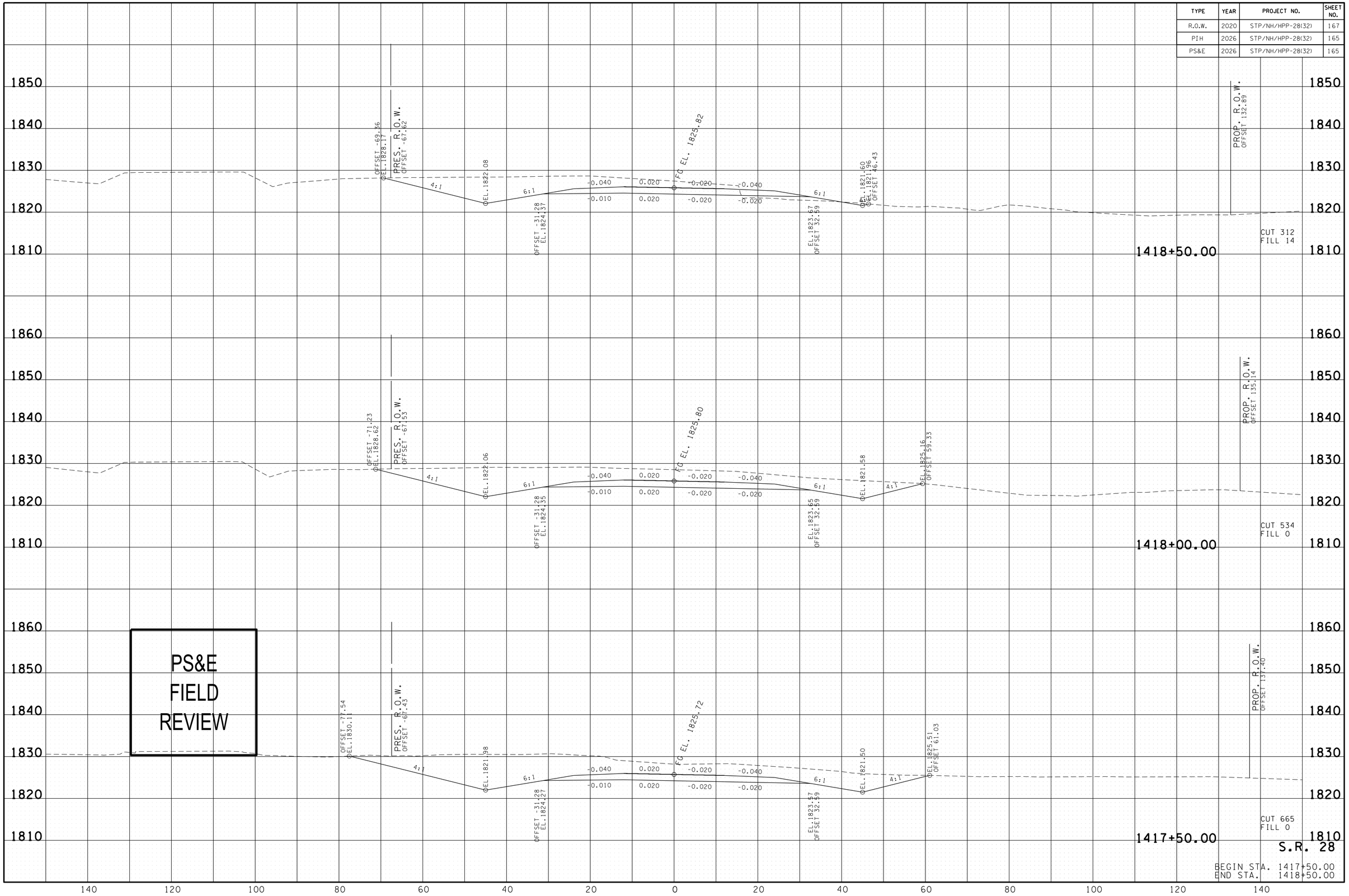
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	166
PIH	2026	STP/NH/HPP-28(32)	164
PS&E	2026	STP/NH/HPP-28(32)	164



PS&E
FIELD
REVIEW

1/30/2026
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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



PS&E FIELD REVIEW

1/30/2026
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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

1850
1840
1830
1820
1810

PRES. R.O.W.
OFFSET -67.91

OFFSET -70.81
EL. 1821.72

EL. 1819.15

6:1

OFFSET -31.28
EL. 1824.03

-0.040 0.020 -0.020 -0.040
-0.010 0.020 -0.020 -0.020

FG EL. 1825.48

6:1

EL. 1823.33
OFFSET 32.59

EL. 1820.94
OFFSET 46.91

PROP. R.O.W.
OFFSET 126.13

CUT 75
FILL 119

1420+00.00

PRES. R.O.W.
OFFSET -67.82

OFFSET -52.99
EL. 1823.92

4:1

EL. 1821.92

6:1

OFFSET -31.28
EL. 1824.21

-0.040 0.020 -0.020 -0.040
-0.010 0.020 -0.020 -0.020

FG EL. 1825.66

6:1

EL. 1823.51
OFFSET 32.59

EL. 1821.44

4:1

OFFSET 49.47

PROP. R.O.W.
OFFSET 128.38

CUT 68
FILL 39

1419+50.00

PS&E
FIELD
REVIEW

PRES. R.O.W.
OFFSET -67.72

OFFSET -46.72
EL. 1826.83

4:1

EL. 1822.03

6:1

OFFSET -31.28
EL. 1824.32

-0.040 0.020 -0.020 -0.040
-0.010 0.020 -0.020 -0.020

FG EL. 1825.77

6:1

EL. 1823.62
OFFSET 32.59

EL. 1821.55

4:1

EL. 1823.63
OFFSET 53.33

PROP. R.O.W.
OFFSET 130.63

CUT 352
FILL 0

1419+00.00

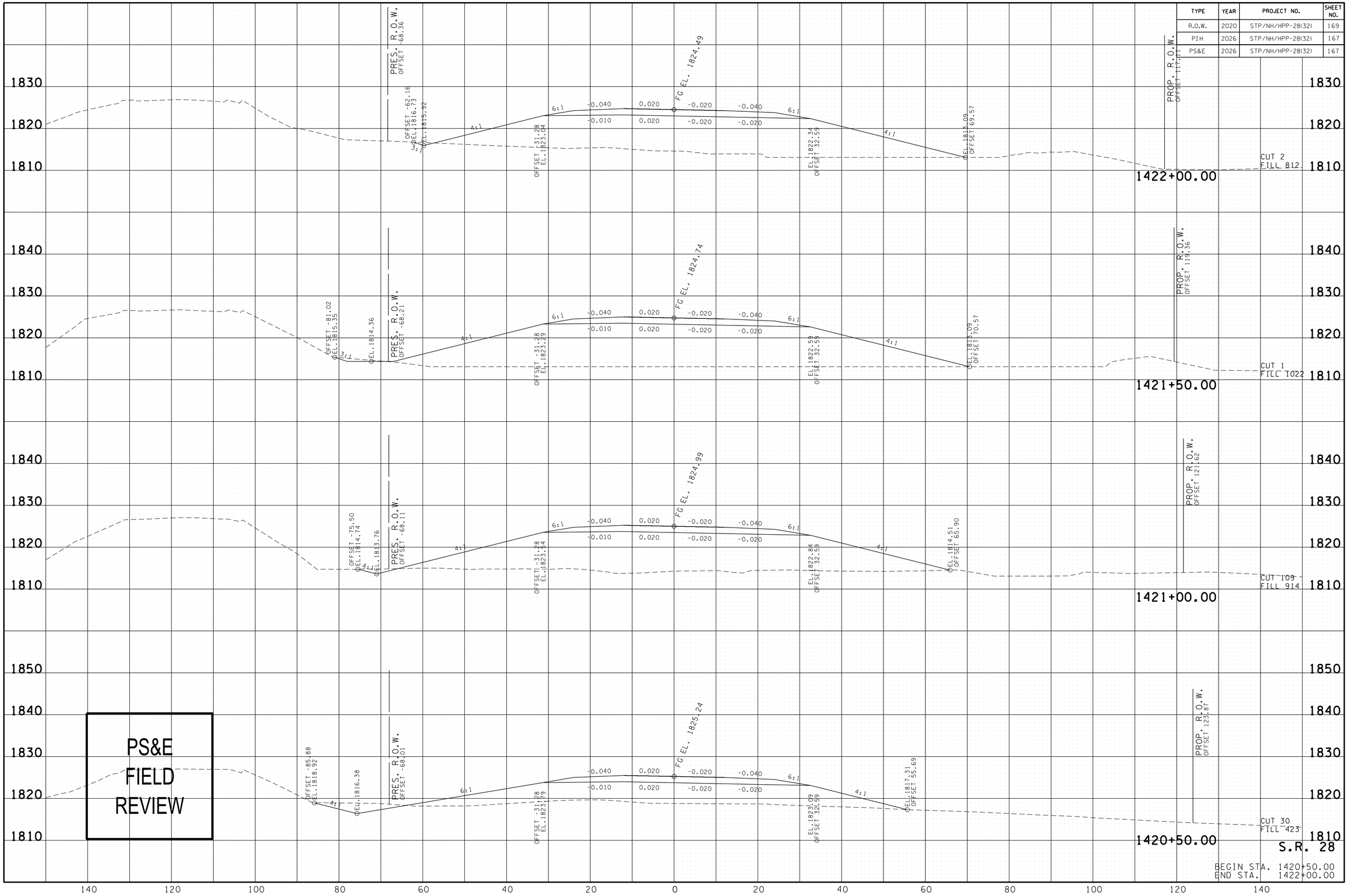
S.R. 28

BEGIN STA. 1419+00.00
END STA. 1420+00.00

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

1/30/2026
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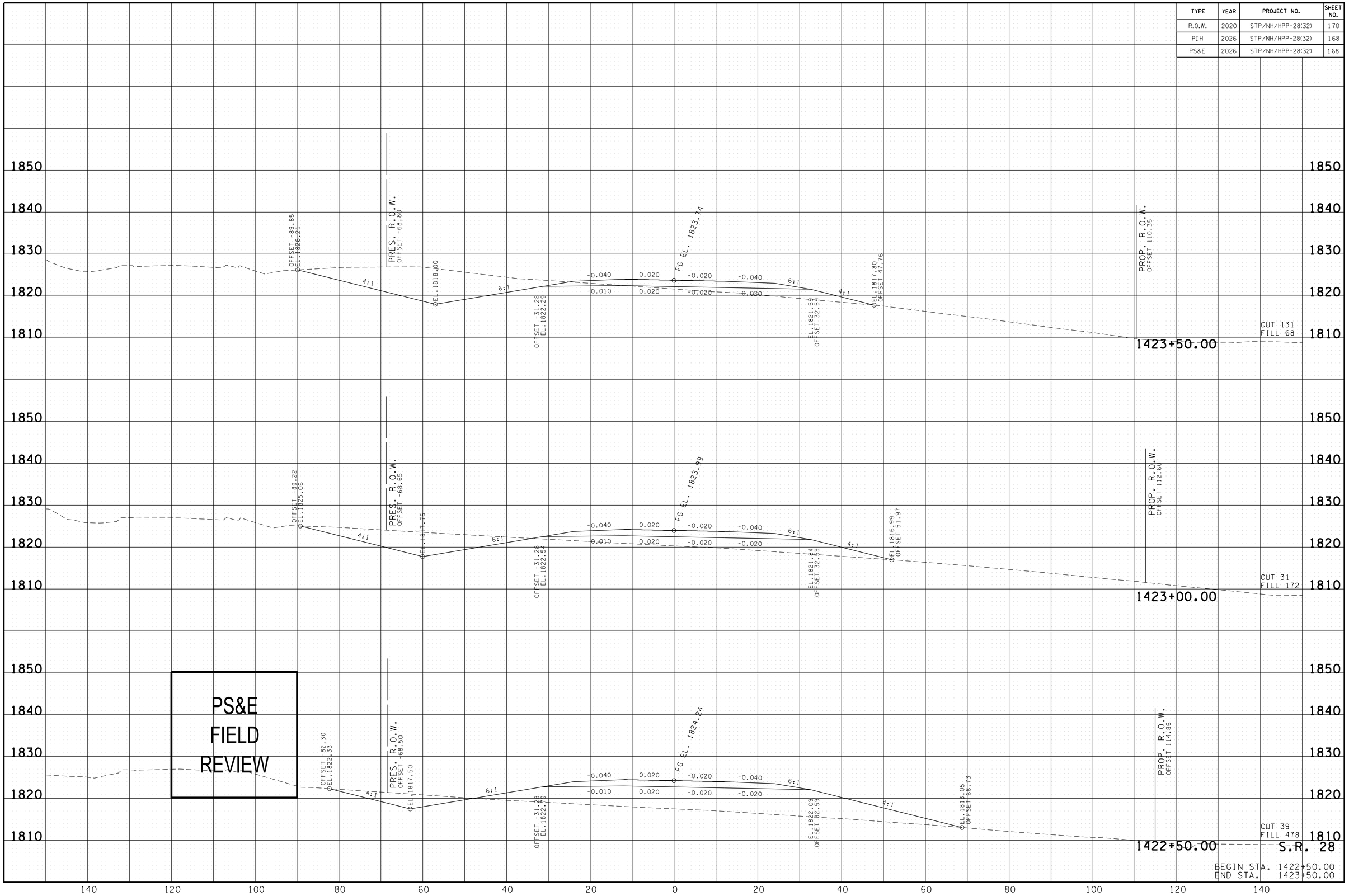
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	169
PIH	2026	STP/NH/HPP-28(32)	167
PS&E	2026	STP/NH/HPP-28(32)	167



PS&E
FIELD
REVIEW

1/30/2026
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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



PS&E
FIELD
REVIEW

1/30/2026
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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

PS&E
FIELD
REVIEW

1425+00.00

OFFSET -77.83
EL. 1826.21

PRES. R.O.W.
OFFSET -69.24

EL. 1818.75

OFFSET -31.28
EL. 1821.54

FG EL. 1822.99

EL. 1820.84
OFFSET 32.59

EL. 1810.71

EL. 1813.78
OFFSET 85.38

PROP. R.O.W.
OFFSET 103.58

CUT 74
FILL 407

1424+50.00

OFFSET -81.95
EL. 1826.24

PRES. R.O.W.
OFFSET -69.10

EL. 1818.50

OFFSET -31.28
EL. 1821.79

FG EL. 1823.24

EL. 1821.09
OFFSET 32.59

EL. 1810.00
OFFSET 80.01
EL. 1809.38

EL. 1810.92
OFFSET 90.54

PROP. R.O.W.
OFFSET 105.84

CUT 165
FILL 265

1424+00.00

OFFSET -86.14
EL. 1826.28

PRES. R.O.W.
OFFSET -68.95

EL. 1818.25

OFFSET -31.28
EL. 1822.04

FG EL. 1823.49

EL. 1821.24
OFFSET 32.59

EL. 1812.93
OFFSET 66.22

PROP. R.O.W.
OFFSET 108.09

CUT 228
FILL 118

S.R. 28

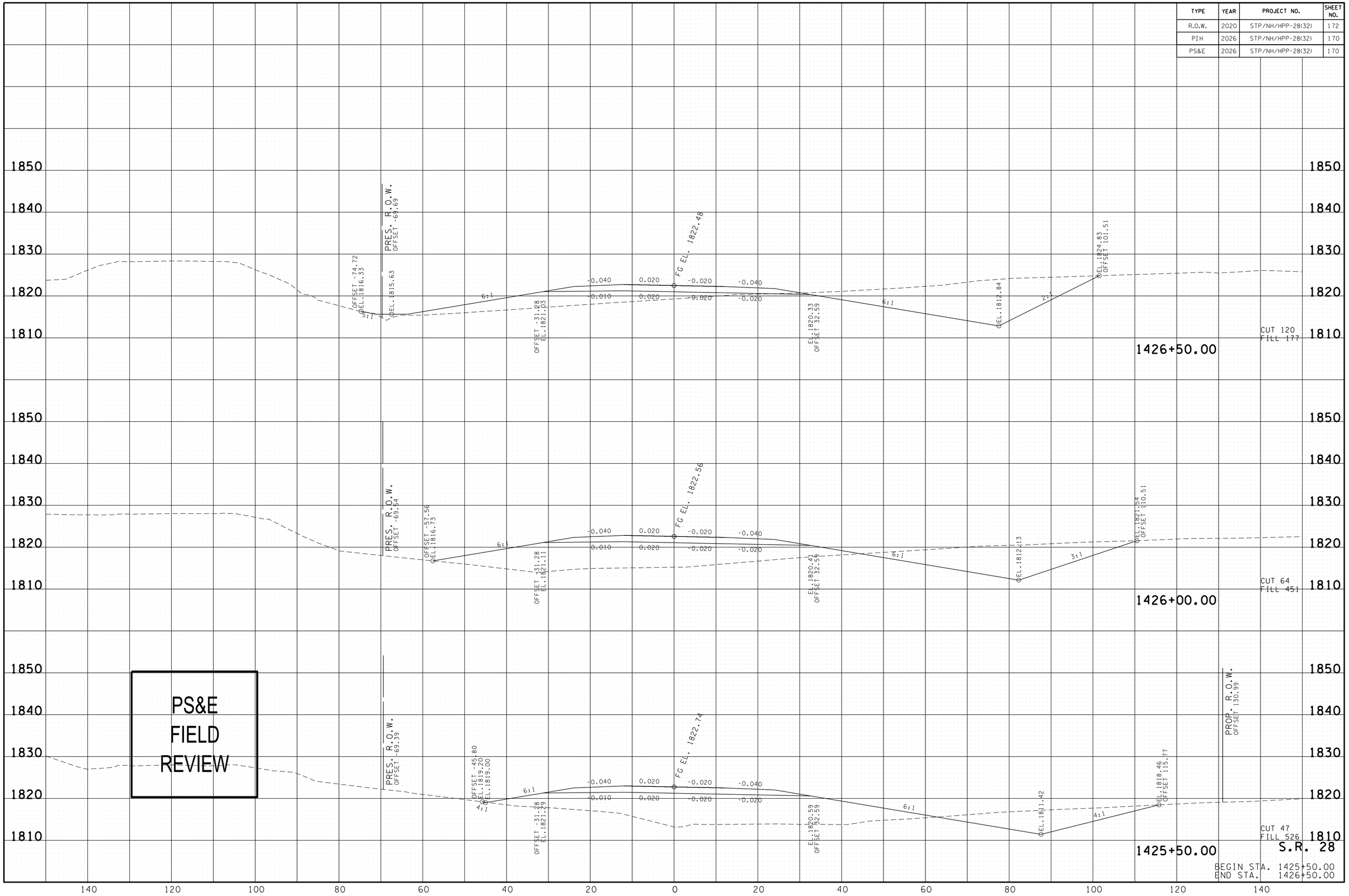
BEGIN STA. 1424+00.00
END STA. 1425+00.00

1850 / 1840 / 1830 / 1820 / 1810

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

1/30/2026
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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

PRES. R.O.W.
OFFSET 129.35

PRES. R.O.W.
OFFSET 92.82

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

CUT 754
FILL 0

1428+00.00

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 119.69

CUT 591
FILL 0

1427+50.00

PS&E
FIELD
REVIEW

OFFSET -145.62
EL.1827.74

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

CUT 360
FILL 1

1427+00.00

S.R. 28

BEGIN STA. 1427+00.00
END STA. 1428+00.00

1850 1840 1830 1820 1810 1860

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

1850 1840 1830 1820 1810

PROP. R.O.W. OFFSET 123.07

OFFSET -88.31 EL. 1831.17

PRES. R.O.W. OFFSET -70.33

PRES. R.O.W. OFFSET 13.97

PRES. R.O.W. OFFSET 41.69

EL. 1837.14 OFFSET 96.81

4:1

EL. 1820.35

6:1

-0.040 0.020 -0.020 -0.040

-0.010 0.020 -0.020 -0.020

FG EL. 1824.09

6:1

EL. 1819.87

3:1

OFFSET -31.28 EL. 1822.63

EL. 1821.94 OFFSET 32.59

CUT 2236
FILL 0

1429+50.00

1860 1850 1840 1830 1820 1810

PROP. R.O.W. OFFSET 122.49

OFFSET -86.42 EL. 1830.19

PRES. R.O.W. OFFSET -70.32

PRES. R.O.W. OFFSET 41.08

PRES. R.O.W. OFFSET 74.80

EL. 1836.78 OFFSET 97.28

4:1

EL. 1819.83

6:1

-0.040 0.020 -0.020 -0.040

-0.010 0.020 -0.020 -0.020

FG EL. 1823.57

6:1

EL. 1819.35

3:1

OFFSET -31.28 EL. 1822.12

EL. 1821.42 OFFSET 32.59

CUT 2070
FILL 0

1429+00.00

1860 1850 1840 1830 1820 1810

PROP. R.O.W. OFFSET 132.31

PRES. R.O.W. OFFSET 66.95

PRES. R.O.W. OFFSET 101.71

OFFSET -87.28 EL. 1829.99

PRES. R.O.W. OFFSET -70.28

4:1

EL. 1819.42

6:1

-0.040 0.020 -0.020

-0.010 0.020 -0.020

FG EL. 1823.16

EL. 1821.42 SIDEROAD *** OFFSET 12.00

OFFSET -31.28 EL. 1821.70

PS&E
FIELD
REVIEW

CUT 978
FILL 0

1428+50.00

S.R. 28

BEGIN STA. 1428+50.00
END STA. 1429+50.00

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

1/30/2026
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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

PROP. R.O.W.
OFFSET 124.83

PRES. R.O.W.
OFFSET -68.36

PRES. R.O.W.
OFFSET -32.83

OFFSET -85.63
EL. 1832.65

EL. 1822.49

OFFSET -31.28
EL. 1824.78

FG EL. 1826.23

EL. 1824.08
OFFSET 32.59

EL. 1822.01

EL. 1825.61
OFFSET 51.41

4:1 6:1 -0.040 0.020 -0.020 -0.040 -0.010 0.020 -0.020 -0.020 6:1 4:1

CUT 535
FILL 0

1431+00.00

PROP. R.O.W.
OFFSET 124.25

PRES. R.O.W.
OFFSET -70.35

PRES. R.O.W.
OFFSET -40.92

PRES. R.O.W.
OFFSET -5.94

OFFSET -89.83
EL. 1832.88

EL. 1821.68

OFFSET -31.28
EL. 1823.96

FG EL. 1825.42

EL. 1823.26
OFFSET 32.59

EL. 1821.20

EL. 1828.63
OFFSET 74.75

4:1 6:1 -0.040 0.020 -0.020 -0.040 -0.010 0.020 -0.020 -0.020 6:1 4:1

CUT 1354
FILL 0

1430+50.00

PROP. R.O.W.
OFFSET 123.66

PRES. R.O.W.
OFFSET -70.34

PRES. R.O.W.
OFFSET -13.47

PRES. R.O.W.
OFFSET 20.97

OFFSET -88.84
EL. 1831.92

EL. 1820.96

OFFSET -31.28
EL. 1823.25

FG EL. 1824.70

EL. 1822.55
OFFSET 32.59

EL. 1820.48

EL. 1813.72
OFFSET 97.94

4:1 6:1 -0.040 0.020 -0.020 -0.040 -0.010 0.020 -0.020 -0.020 6:1 4:1

CUT 2040
FILL 0

1430+00.00

S.R. 28

BEGIN STA. 1430+00.00
END STA. 1431+00.00

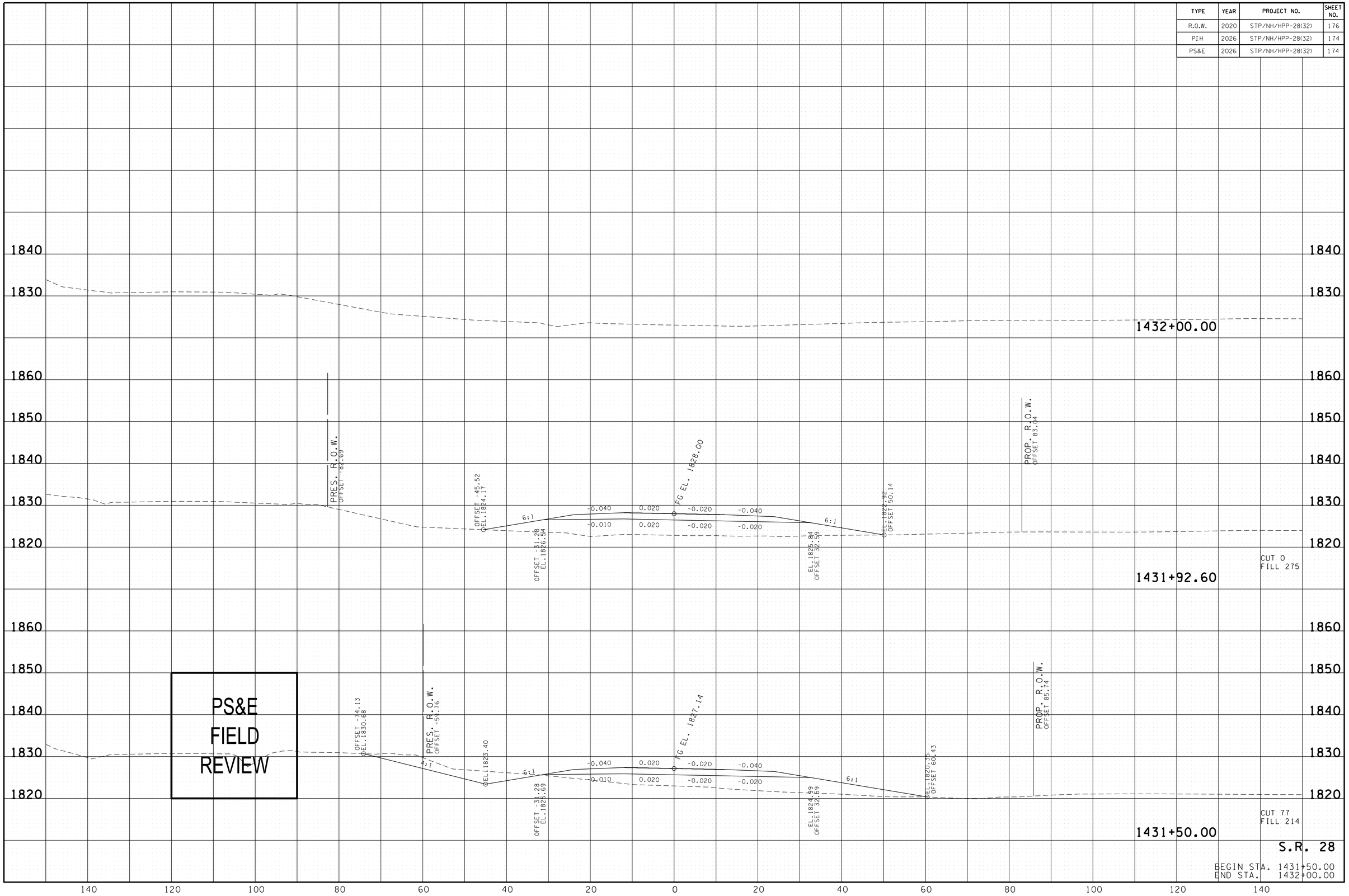
PS&E
FIELD
REVIEW

1860 1850 1840 1830 1820 1810

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

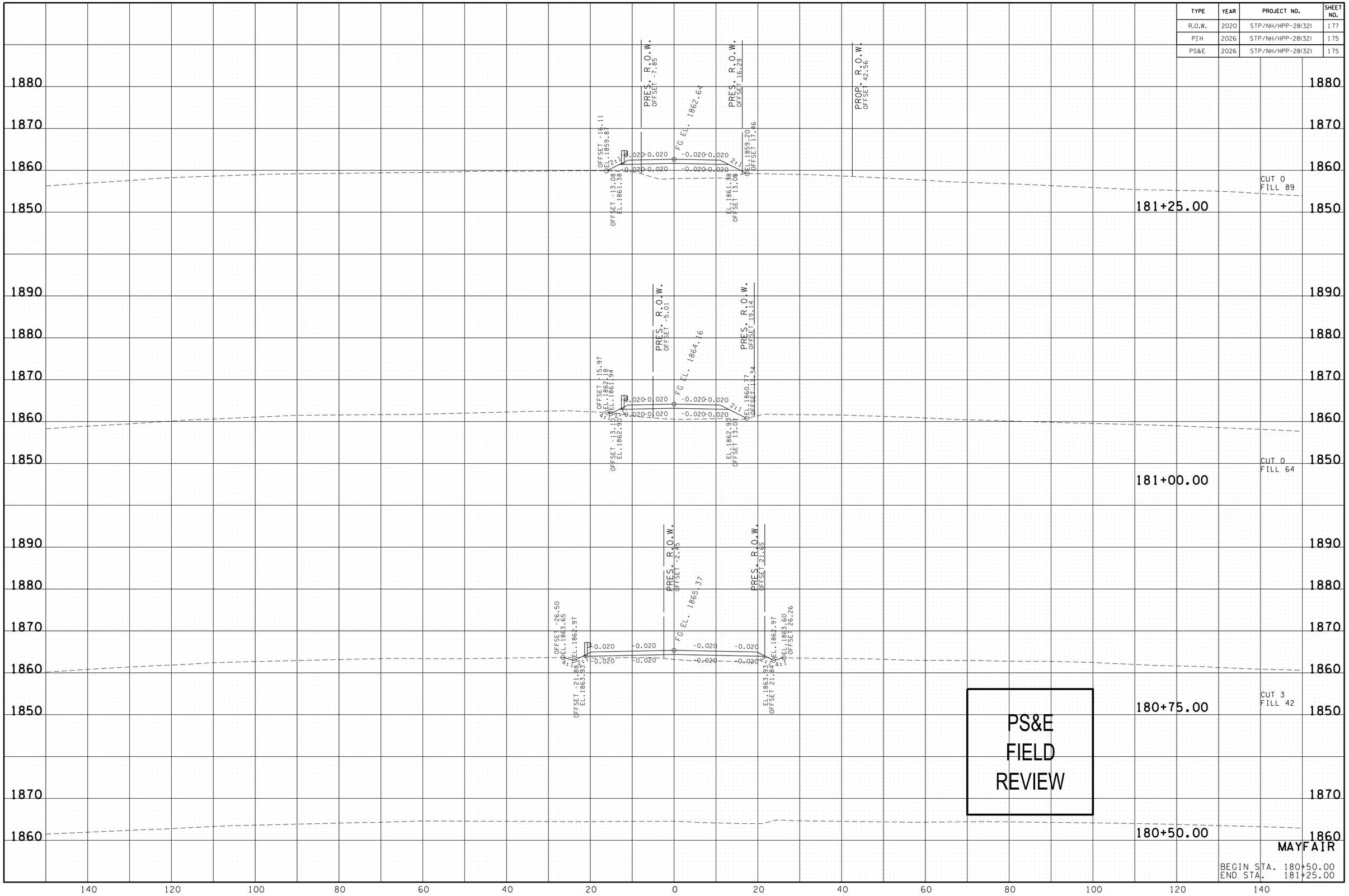
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	176
PIH	2026	STP/NH/HPP-28(32)	174
PS&E	2026	STP/NH/HPP-28(32)	174



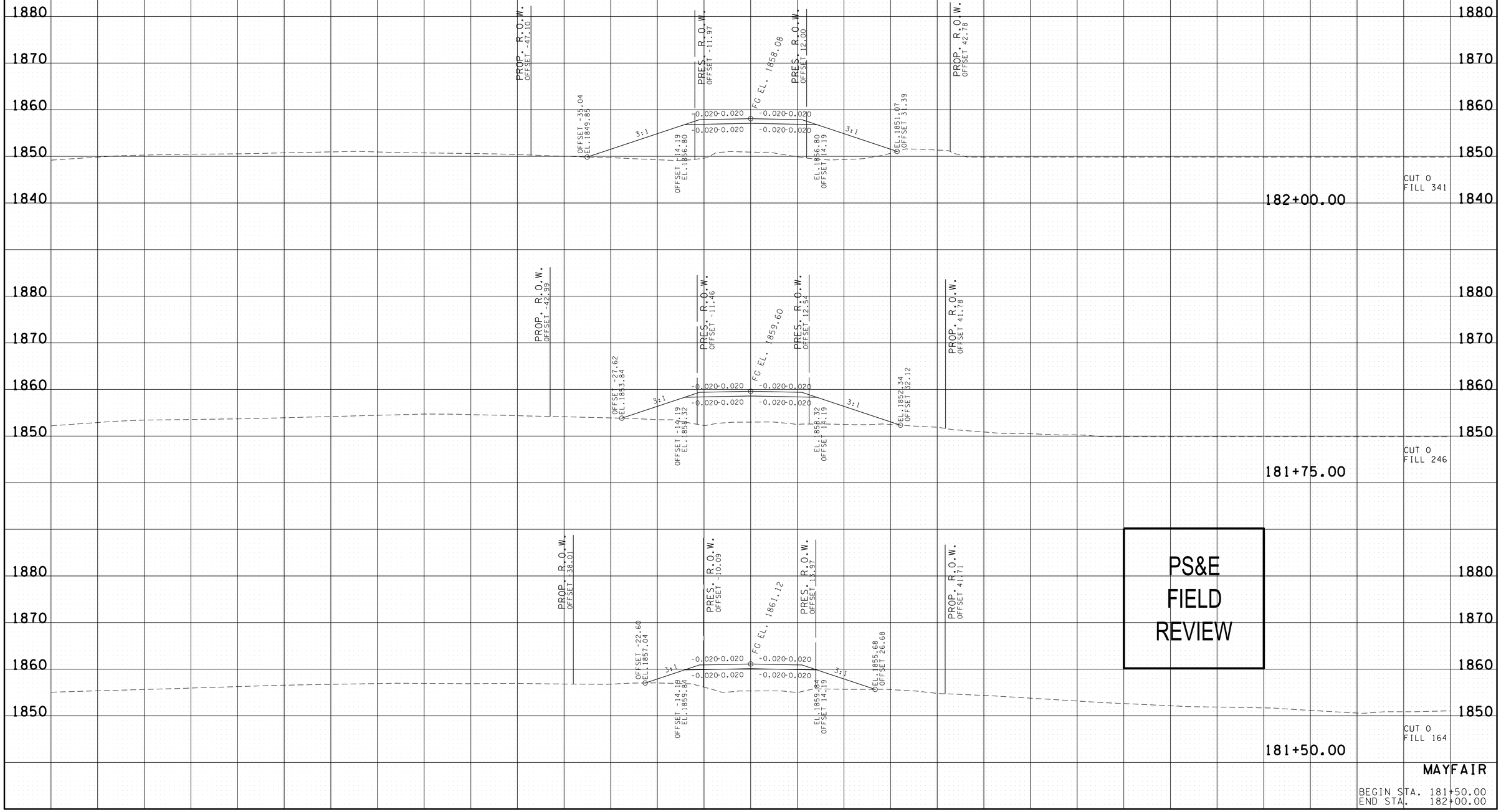
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	177
PIH	2026	STP/NH/HPP-28(32)	175
PS&E	2026	STP/NH/HPP-28(32)	175



1/30/2026
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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)	176



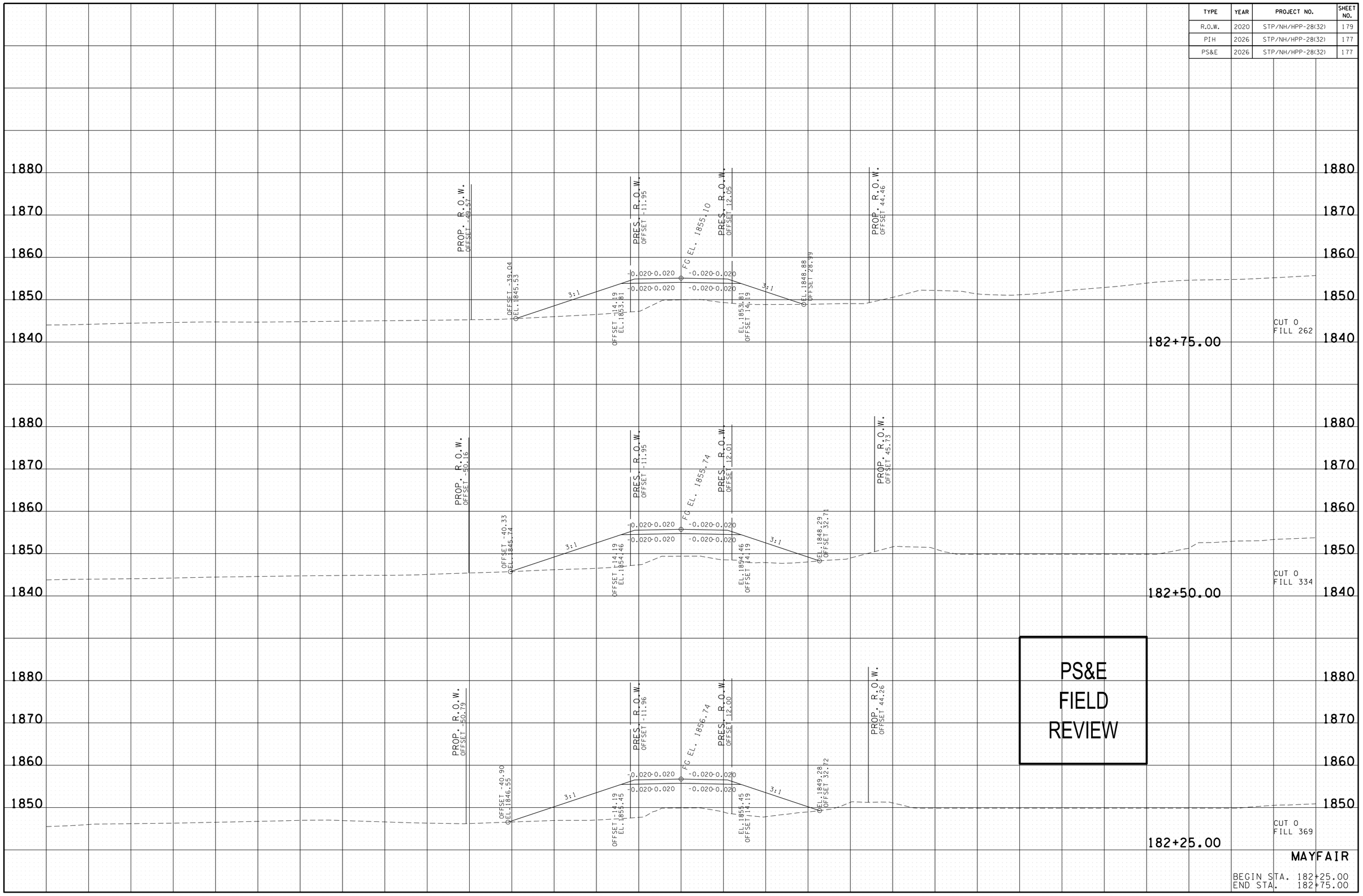
PS&E FIELD REVIEW

MAYFAIR

BEGIN STA. 181+50.00
END STA. 182+00.00

1/30/2026
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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)	177



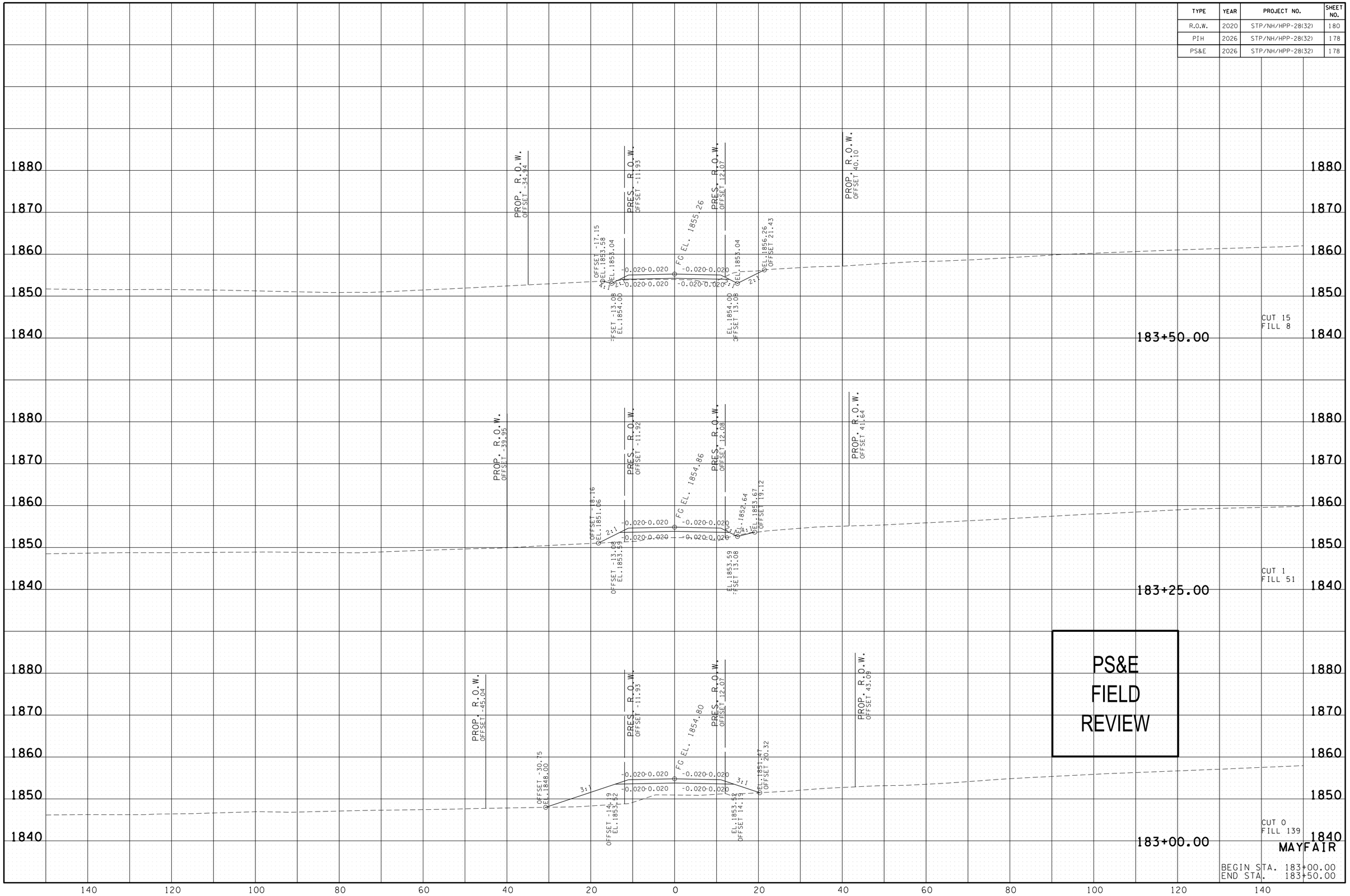
PS&E
FIELD
REVIEW

MAYFAIR

BEGIN STA. 182+25.00
END STA. 182+75.00

1/30/2026
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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)	178



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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)	179

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

PS&E
FIELD
REVIEW

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

-0.020 0.020
-0.020 0.020
-0.020 0.020
-0.020 0.020

EL. 1853.82

EL. 1854.77
OFFSET 12.37

EL. 1858.46
OFFSET 23.24

4:1
2:1
2:1

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

1/30/2026
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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)	180

1870
1860
1850
1840
1830

PROP. R.O.W.
OFFSET -21.88

PRES. R.O.W.
OFFSET -11.68

OFFSET -8.42
EL. 1843.86

-0.020 0.011

@ FG EL. 1843.81

-0.020 0.011

OFFSET -9.69
EL. 1842.62

EL. 1842.92
OFFSET 9.57

PRES. R.O.W.
OFFSET 12.32

3:1

EL. 1844.89
OFFSET 15.63

PROP. R.O.W.
OFFSET 26.77

CUT 20
FILL 0

211+25.00

PROP. R.O.W.
OFFSET -16.35

PRES. R.O.W.
OFFSET -12.15

PRES. R.O.W.
OFFSET 12.04

PROP. R.O.W.
OFFSET 17.92

-0.020 0.022

@ FG EL. 1843.45

-0.020 0.022

OFFSET -7.00
EL. 1842.31

EL. 1843.95
OFFSET 7.12

EL. 1842.60
OFFSET 6.82

CUT 12
FILL 0

211+00.00

PS&E
FIELD
REVIEW

210+75.00

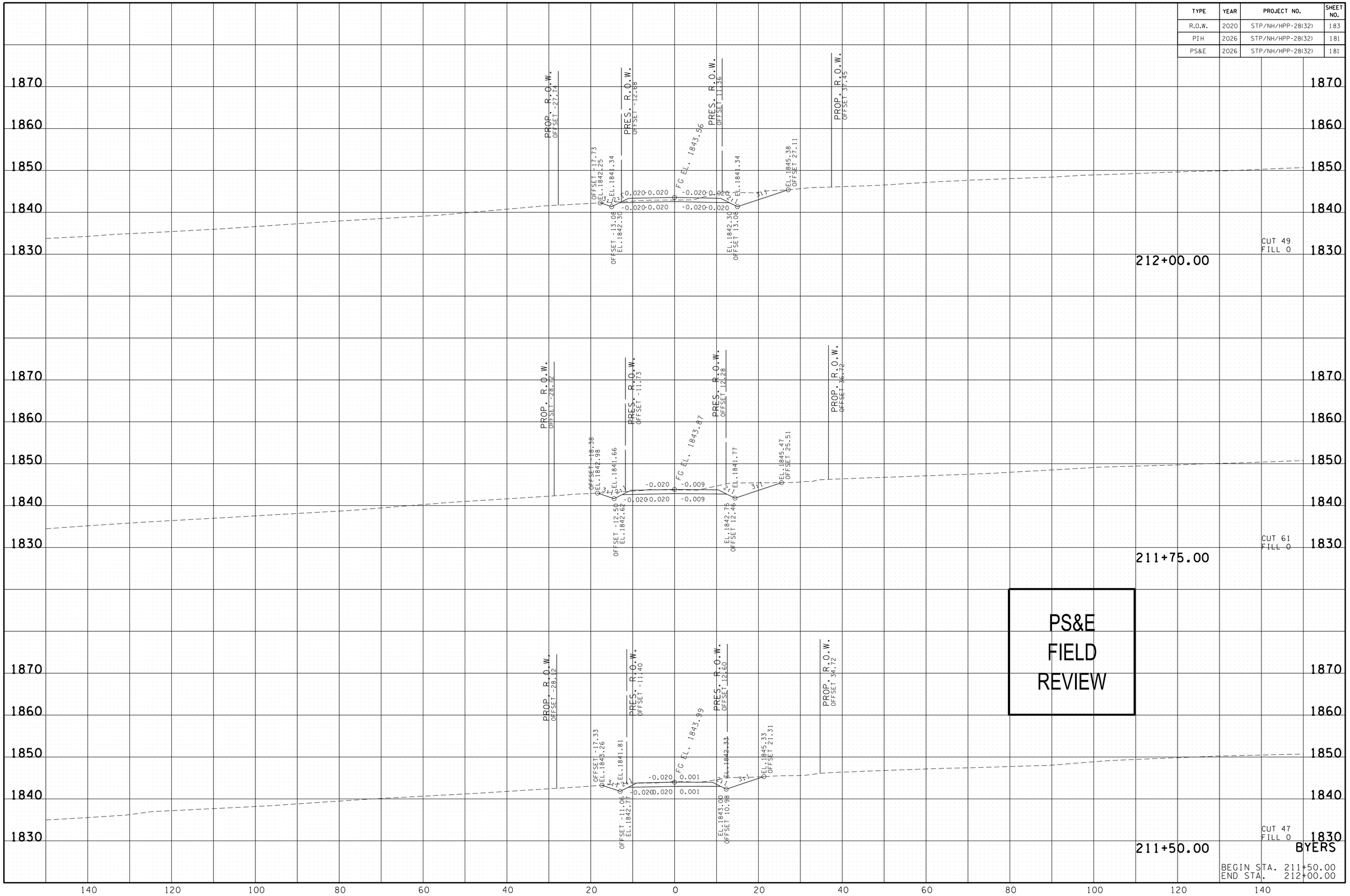
BYERS

BEGIN STA. 210+75.00
END STA. 211+25.00

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

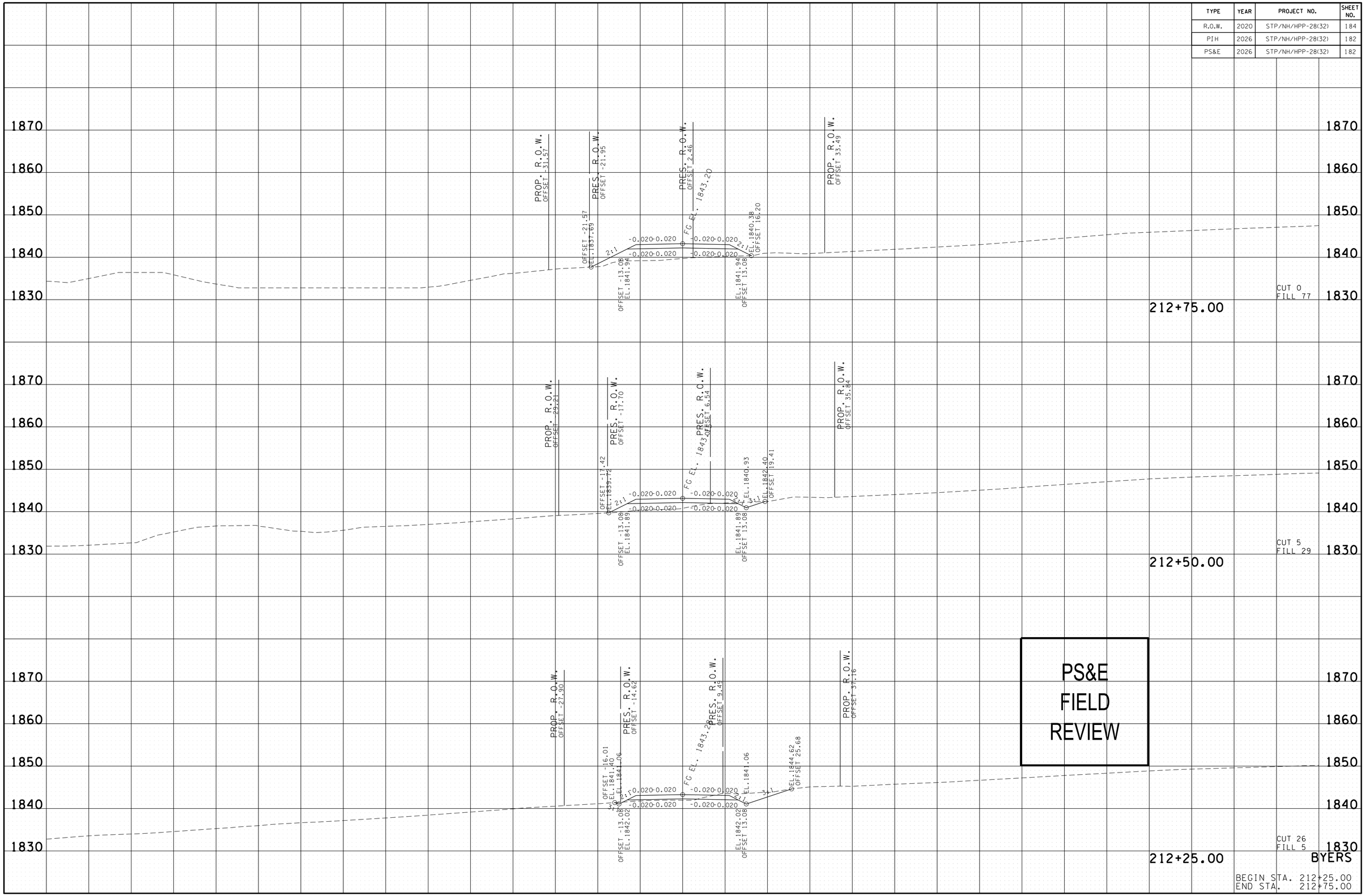
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	183
PIH	2026	STP/NH/HPP-28(32)	181
PS&E	2026	STP/NH/HPP-28(32)	181



1/30/2026
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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)	182



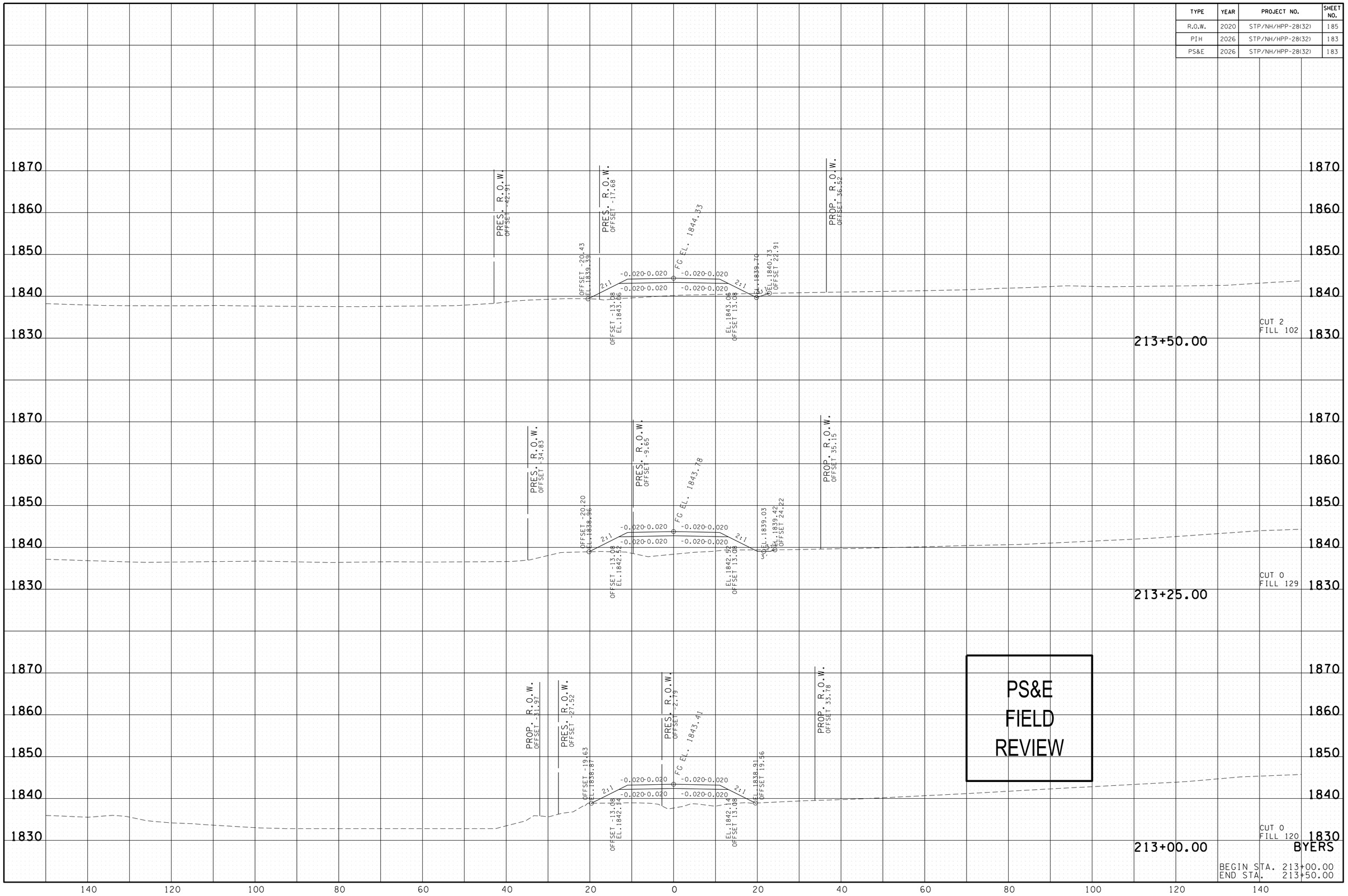
PS&E FIELD REVIEW

BYERS

BEGIN STA. 212+25.00
END STA. 212+75.00

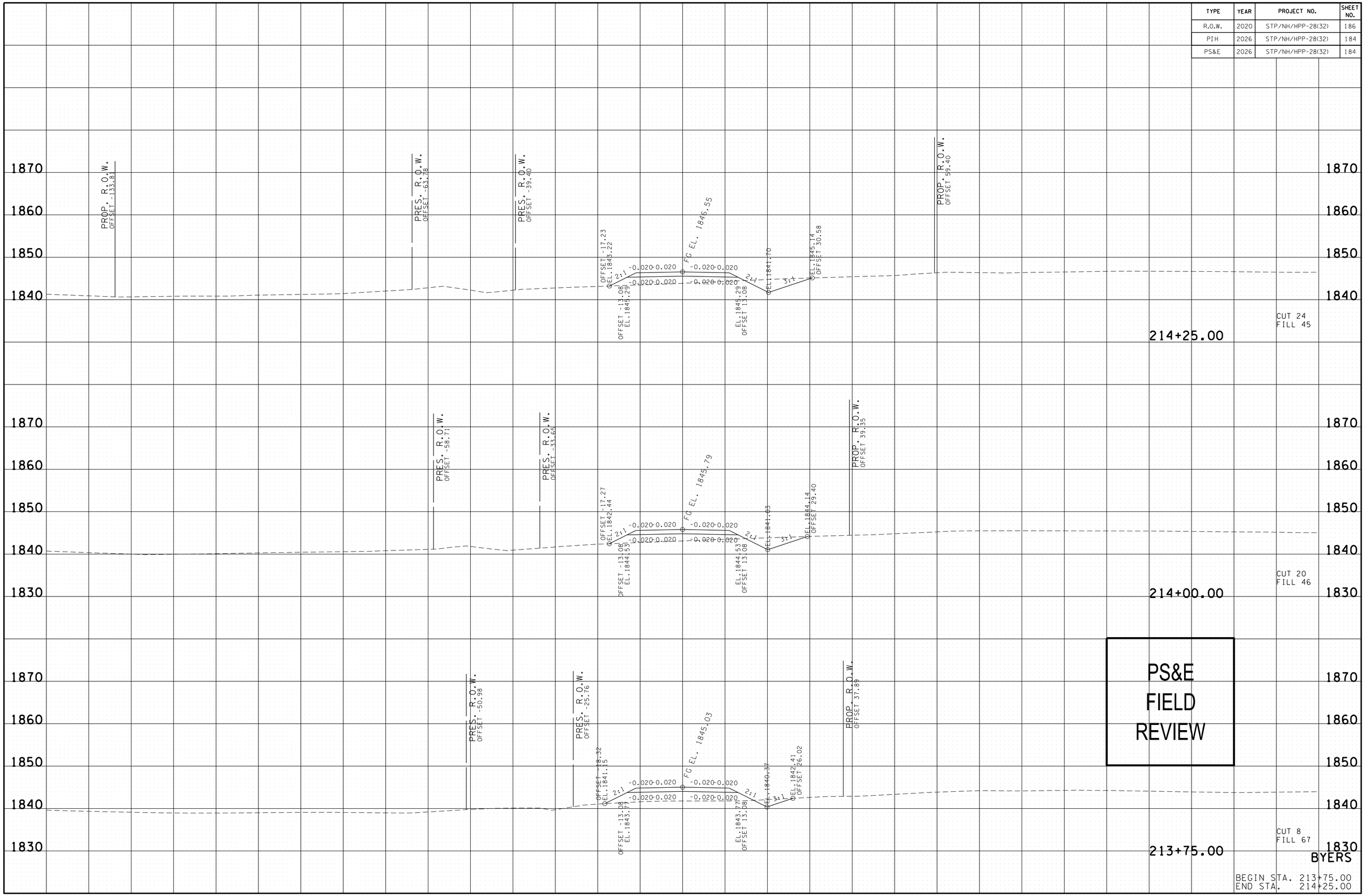
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	185
PIH	2026	STP/NH/HPP-28(32)	183
PS&E	2026	STP/NH/HPP-28(32)	183



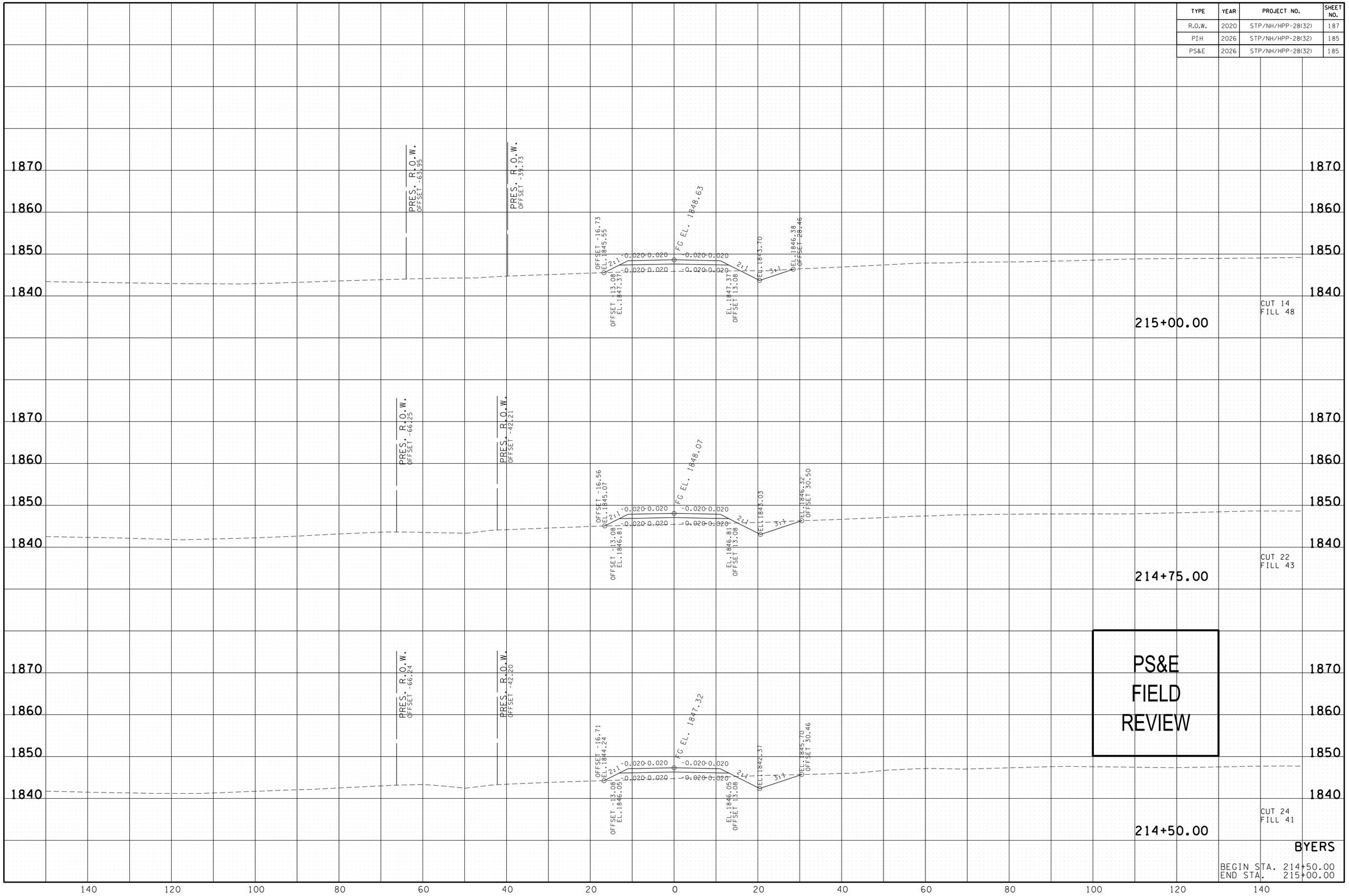
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	186
PIH	2026	STP/NH/HPP-28(32)	184
PS&E	2026	STP/NH/HPP-28(32)	184



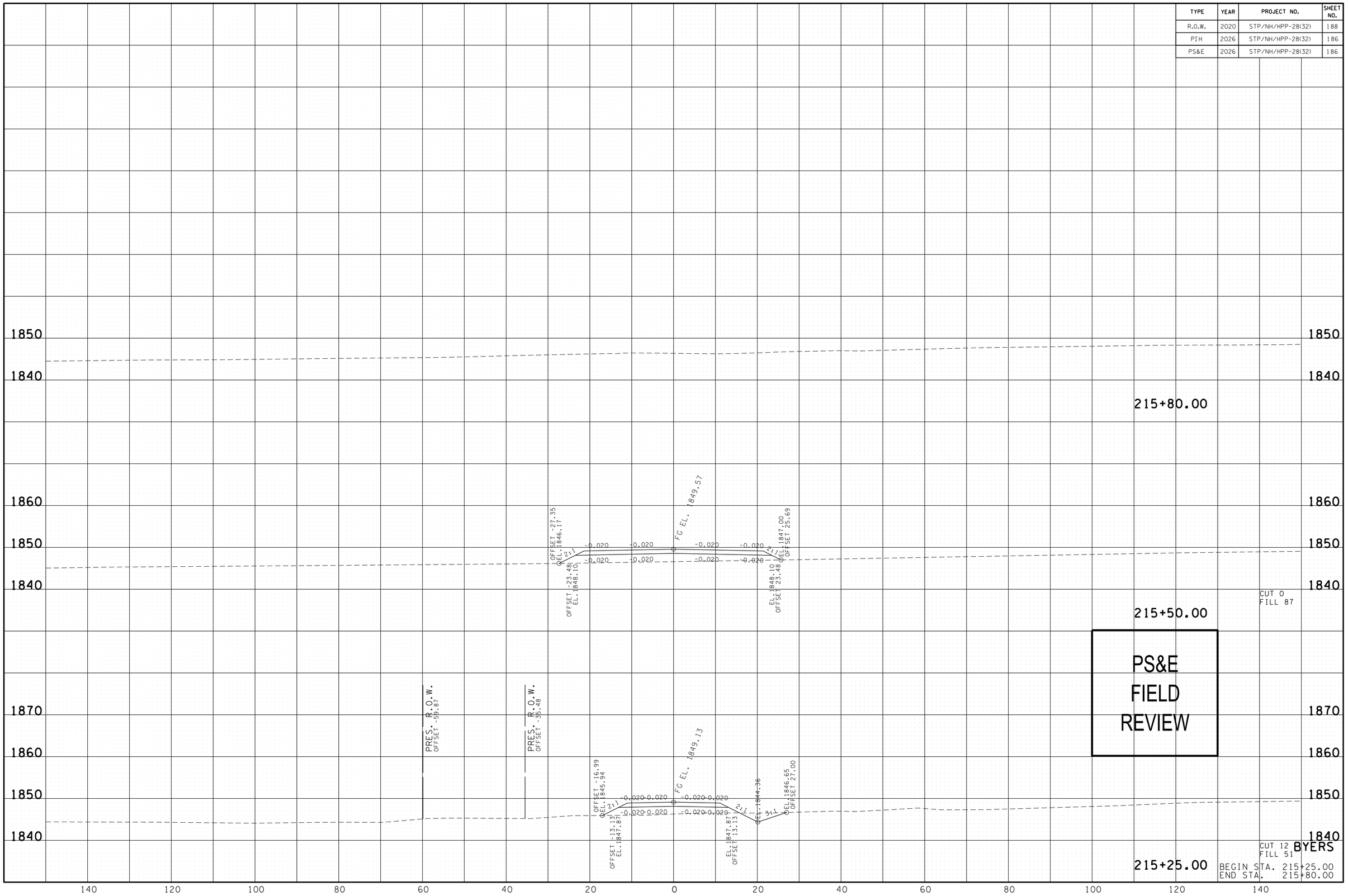
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	187
PIH	2026	STP/NH/HPP-28(32)	185
PS&E	2026	STP/NH/HPP-28(32)	185



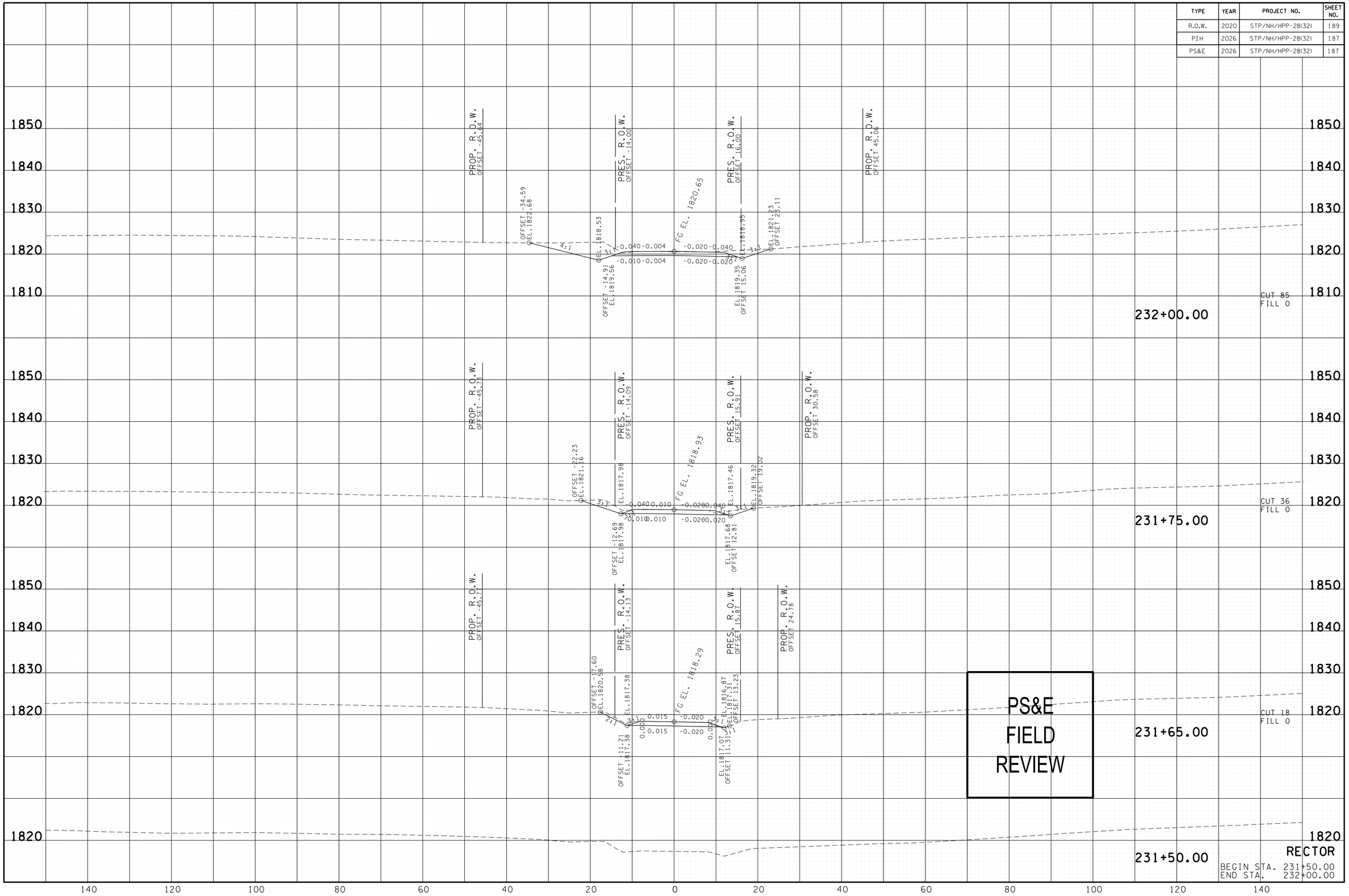
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	188
PIH	2026	STP/NH/HPP-28(32)	186
PS&E	2026	STP/NH/HPP-28(32)	186



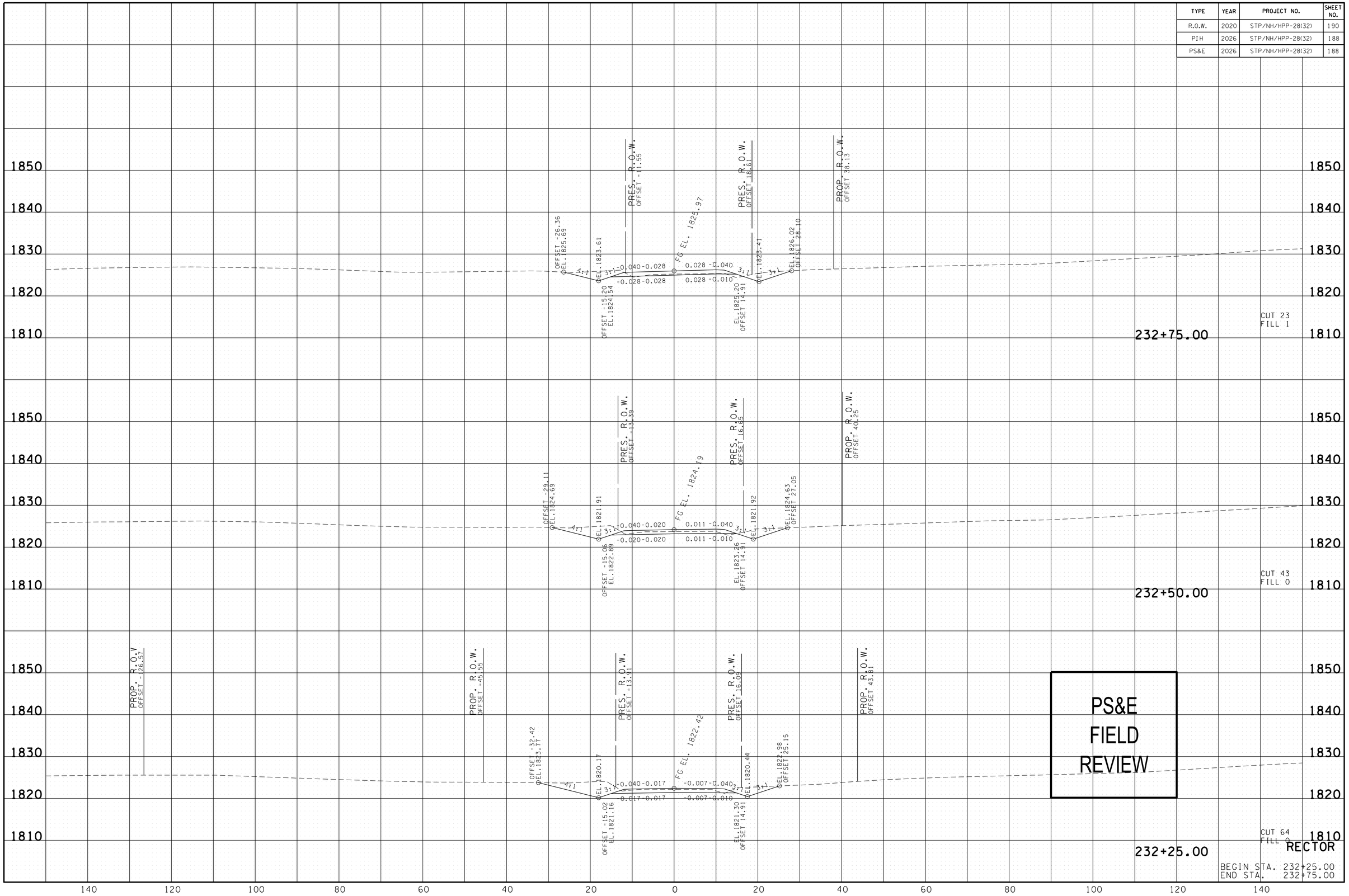
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	189
PIH	2026	STP/NH/HPP-28(32)	187
PS&E	2026	STP/NH/HPP-28(32)	187



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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)	188



1/30/2026
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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)	189

1830

233+50.00

1850
1840
1830
1820

PRES. R.O.W.
OFFSET -3.69

PRES. R.O.W.
OFFSET 27.01

FG EL. 1828.74

OFFSET -45.23
EL. 1827.73

EL. 1825.76

OFFSET -54.29
EL. 1826.78

-0.040 -0.028 0.028 -0.040
-0.028 -0.028 0.028 -0.010

EL. 1826.96

EL. 1827.99
OFFSET 33.98

EL. 1828.13
OFFSET 26.29

4:1 3:1 3:1

CUT 39
FILL 1

233+25.00

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. 1824.89

EL. 1826.83
OFFSET 26.83

EL. 1826.93
OFFSET 14.93

4:1 3:1 3:1

PS&E
FIELD
REVIEW

CUT 14
FILL 3

233+00.00

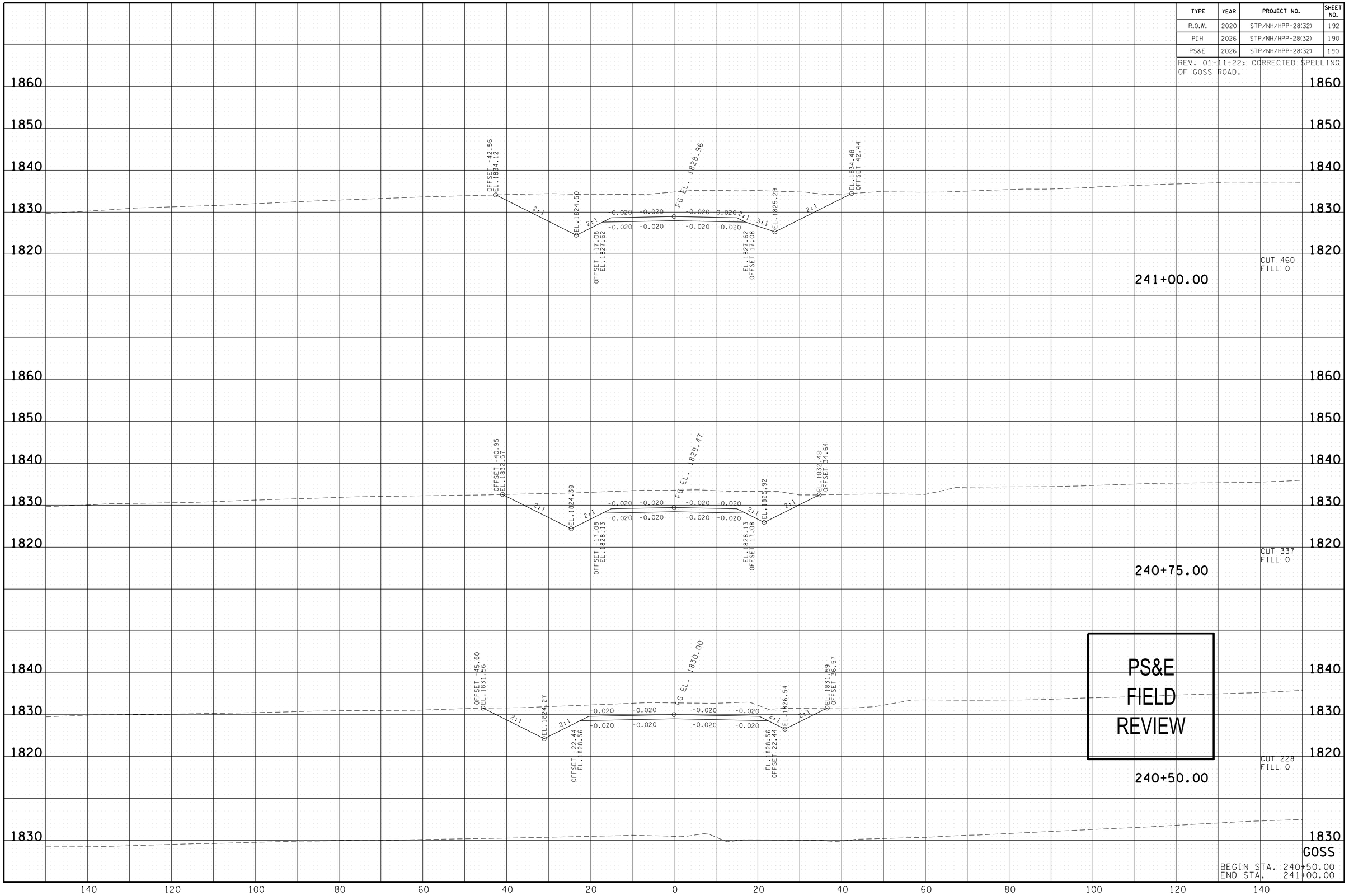
RECTOR
BEGIN STA. 233+00.00
END STA. 233+50.00

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

1/30/2026
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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)	190

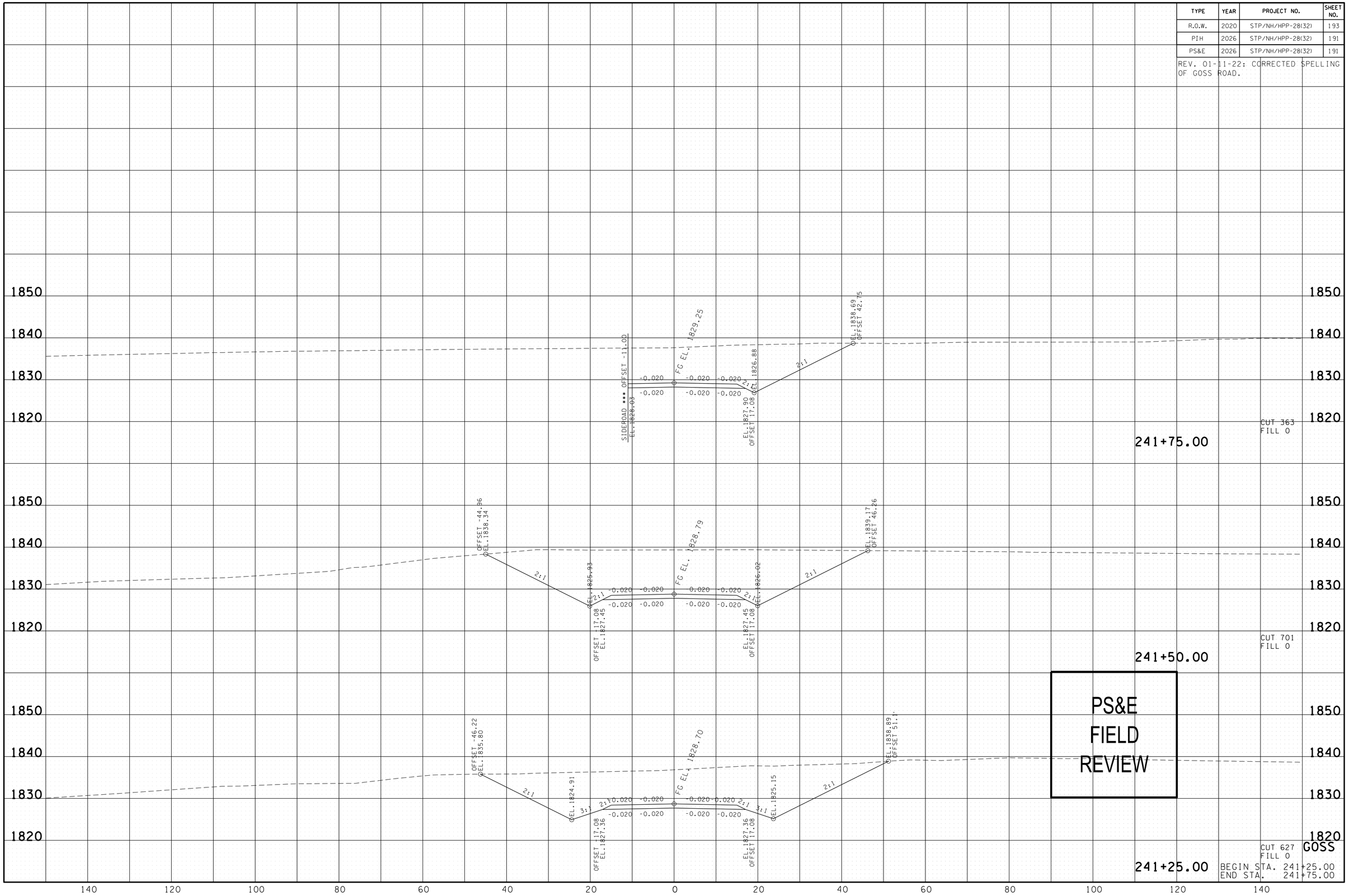
REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.



1/30/2026
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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)	191

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



PS&E
FIELD
REVIEW

1/30/2026
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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)	192

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

242+50.00

OFFSET -49.42
EL. 1841.97

2:1

EL. 1828.85
OFFSET -17.08
EL. 1831.40

-0.020 -0.020 -0.020 -0.020
-0.020 -0.020 -0.020 -0.020

FG EL. 1832.74

EL. 1831.40
OFFSET 17.08

2:1

EL. 1830.44

2:1

EL. 1842.45
OFFSET 43.01

CUT 686
FILL 0

242+25.00

SIDEROAD *** OFFSET -11.00
EL. 1830.00

-0.020 -0.020 -0.020 -0.020
-0.020 -0.020 -0.020 -0.020

FG EL. 1831.22

EL. 1829.88
OFFSET 17.08

2:1

EL. 1828.92

2:1

EL. 1841.05
OFFSET 43.25

CUT 430
FILL 0

242+00.00

SIDEROAD *** OFFSET -11.00
EL. 1828.91

-0.020 -0.020 -0.020 -0.020
-0.020 -0.020 -0.020 -0.020

FG EL. 1830.05

EL. 1828.71
OFFSET 17.08

2:1

EL. 1827.75

2:1

EL. 1839.75
OFFSET 43.01

CUT 386
FILL 0

PS&E
FIELD
REVIEW

GOSS

BEGIN STA. 242+00.00
END STA. 242+50.00

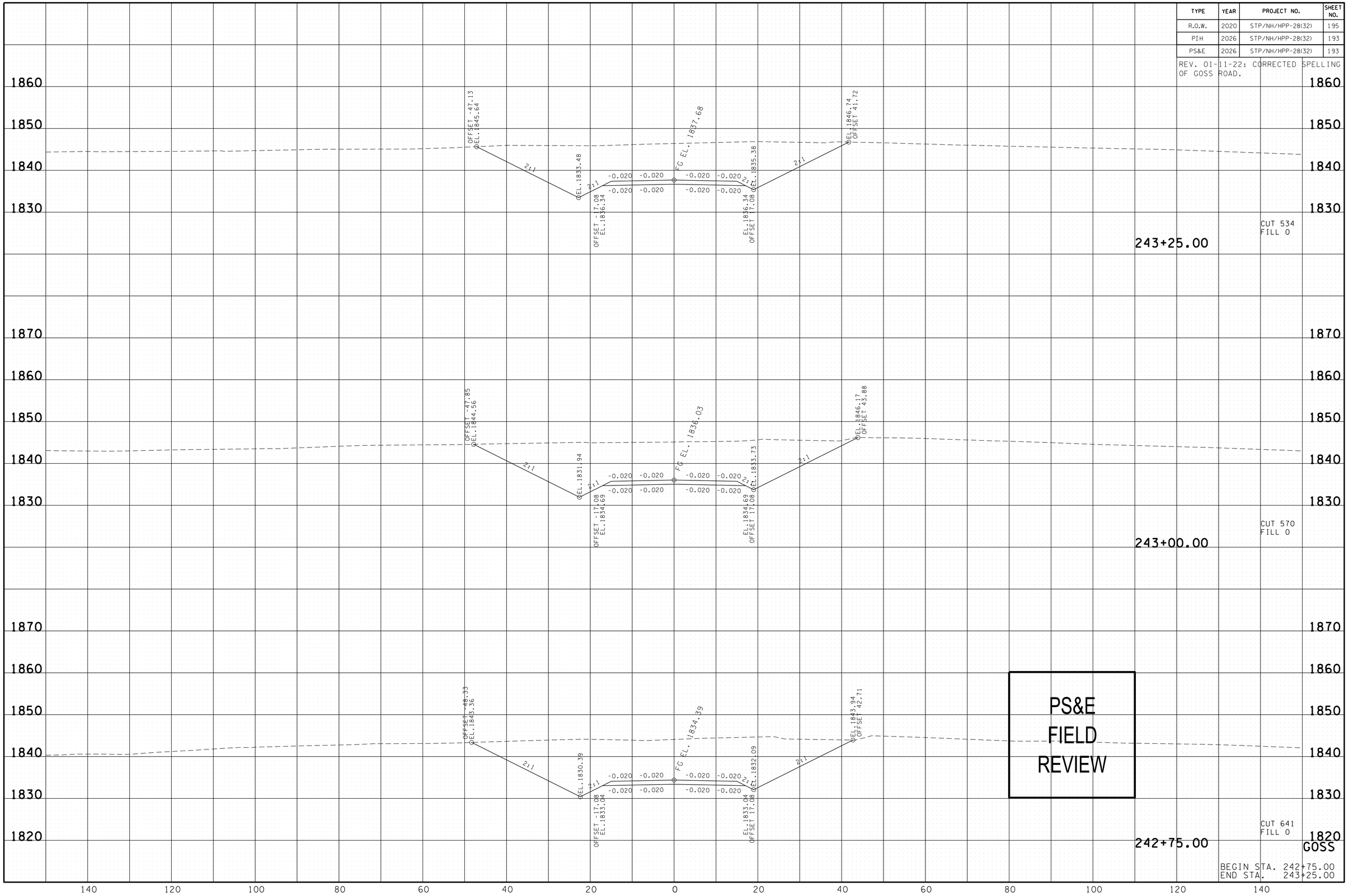
1860 1850 1840 1830 1820 1870 1860 1850 1840 1830 1820

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

1/30/2026
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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)	193

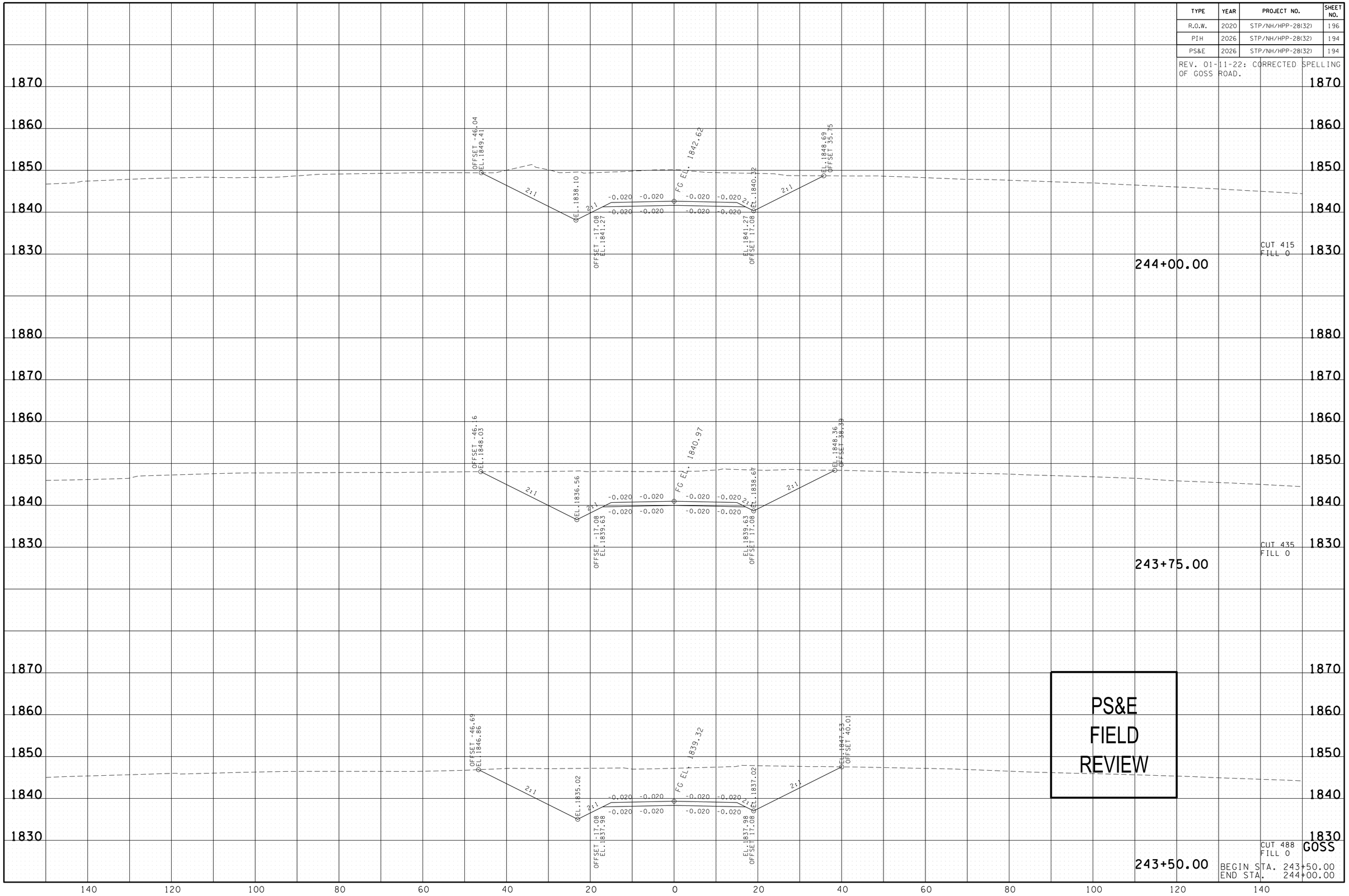
REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.



1/30/2026
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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)	194

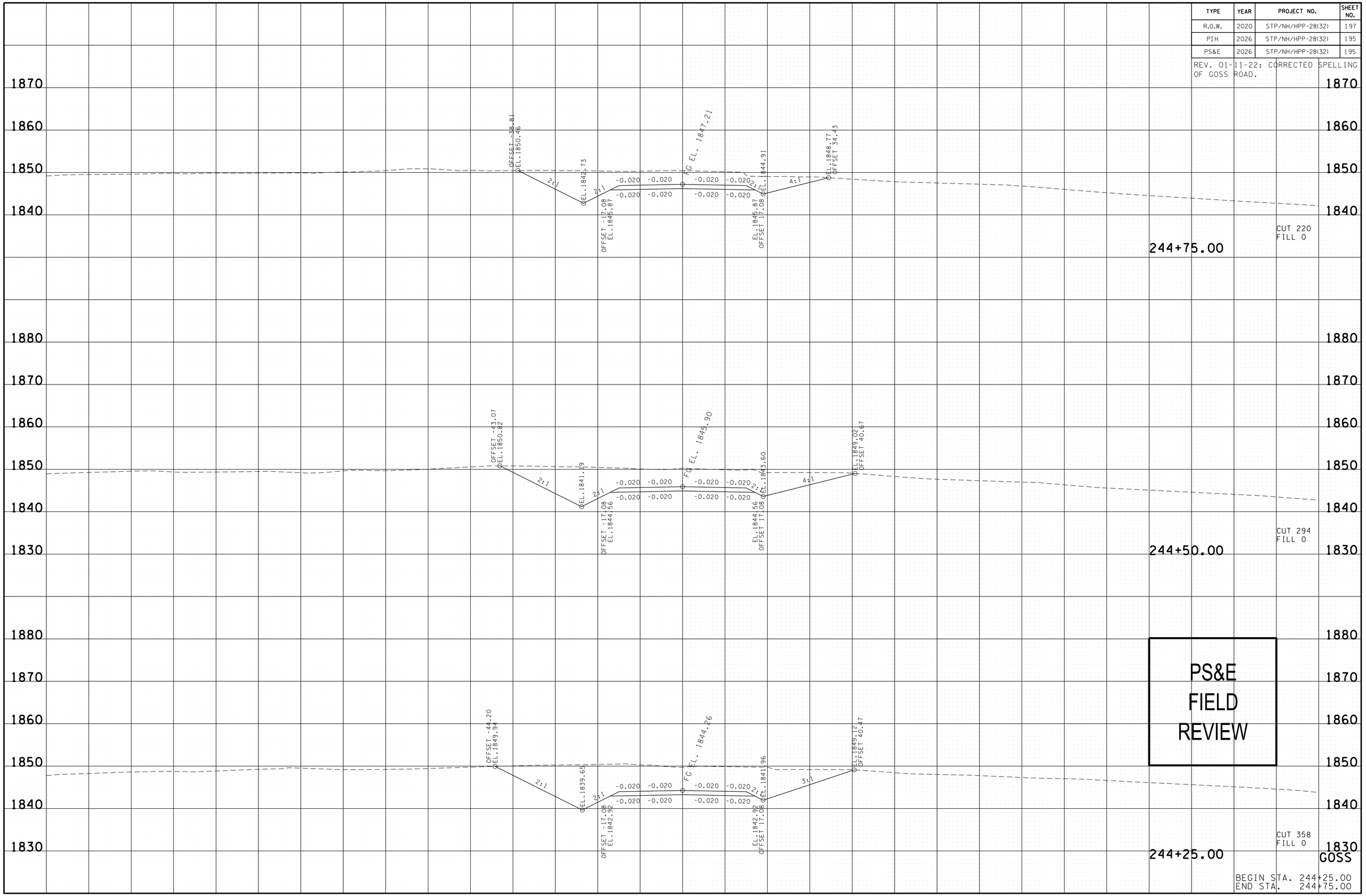
REV. 01-11-22: CORRECTED SPELLING OF GOSS ROAD.



1/30/2026
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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)	195

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



PS&E FIELD REVIEW

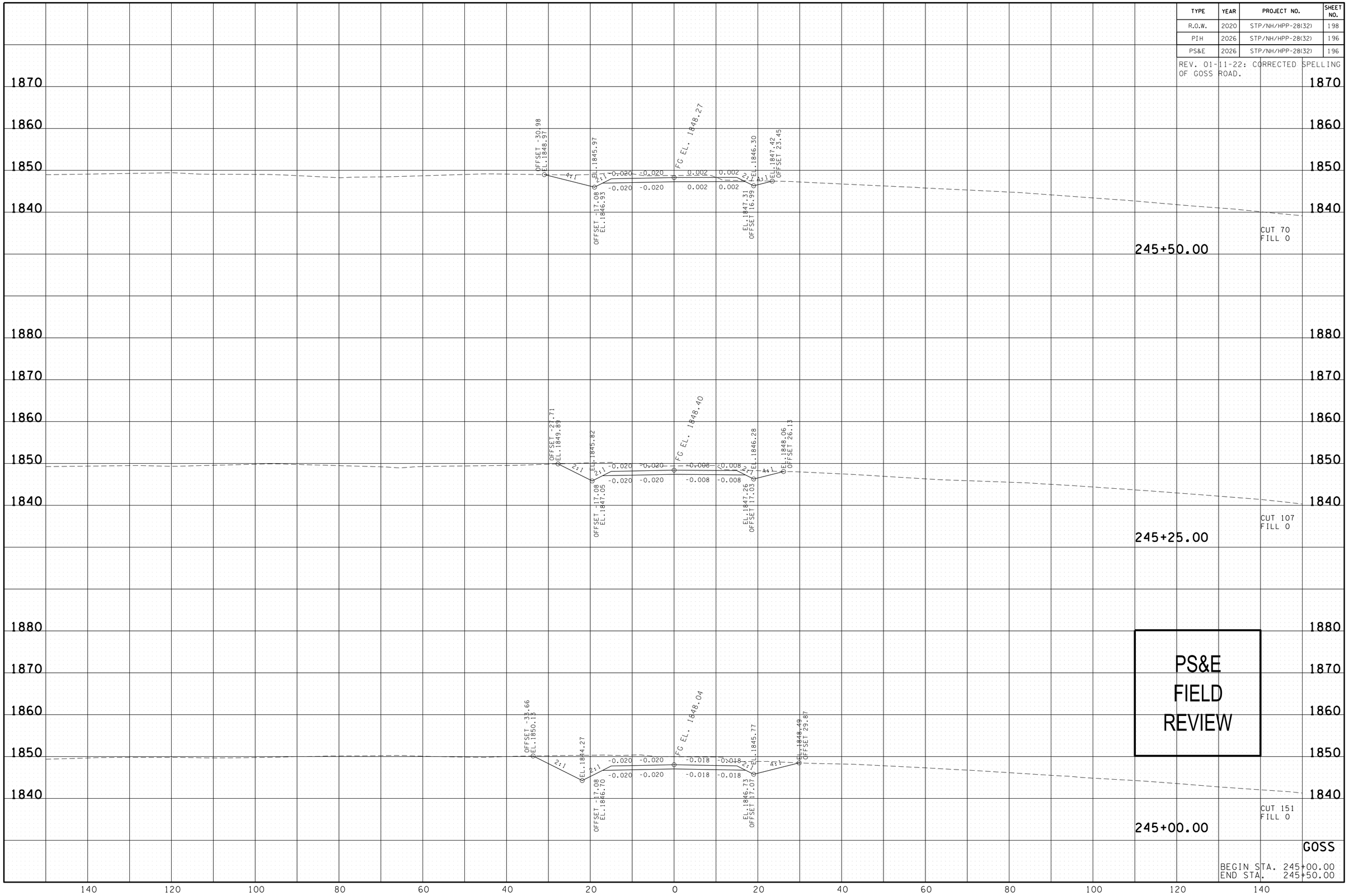
GOSS

BEGIN STA. 244+25.00
END STA. 244+75.00

1/30/2026
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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)	196

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



PS&E FIELD REVIEW

GOSS

BEGIN STA. 245+00.00
END STA. 245+50.00

1/30/2026
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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)	197

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

1840
1830
1870
1860
1850
1840
1830
1880
1870
1860
1850
1840
1830

246+00.00

OFFSET -22.66
EL. 1847.52
4:1
OFFSET -9.47
EL. 1845.66
EL. 1844.70
-0.020
0.020
-0.020
0.020
FG EL. 1846.85
0.020
0.020
EL. 1846.03
OFFSET 9.35
EL. 1844.99
EL. 1845.72
OFFSET 14.32

CUT 17
FILL 0

245+95.00

PS&E
FIELD
REVIEW

OFFSET -27.74
EL. 1848.52
4:1
OFFSET -13.50
EL. 1846.40
EL. 1845.44
-0.020 -0.020
0.012 0.012
-0.020 -0.020
0.012 0.012
FG EL. 1847.67
EL. 1846.83
OFFSET 12.94
EL. 1845.80
EL. 1846.63
OFFSET 18.31

CUT 57
FILL 0

245+75.00

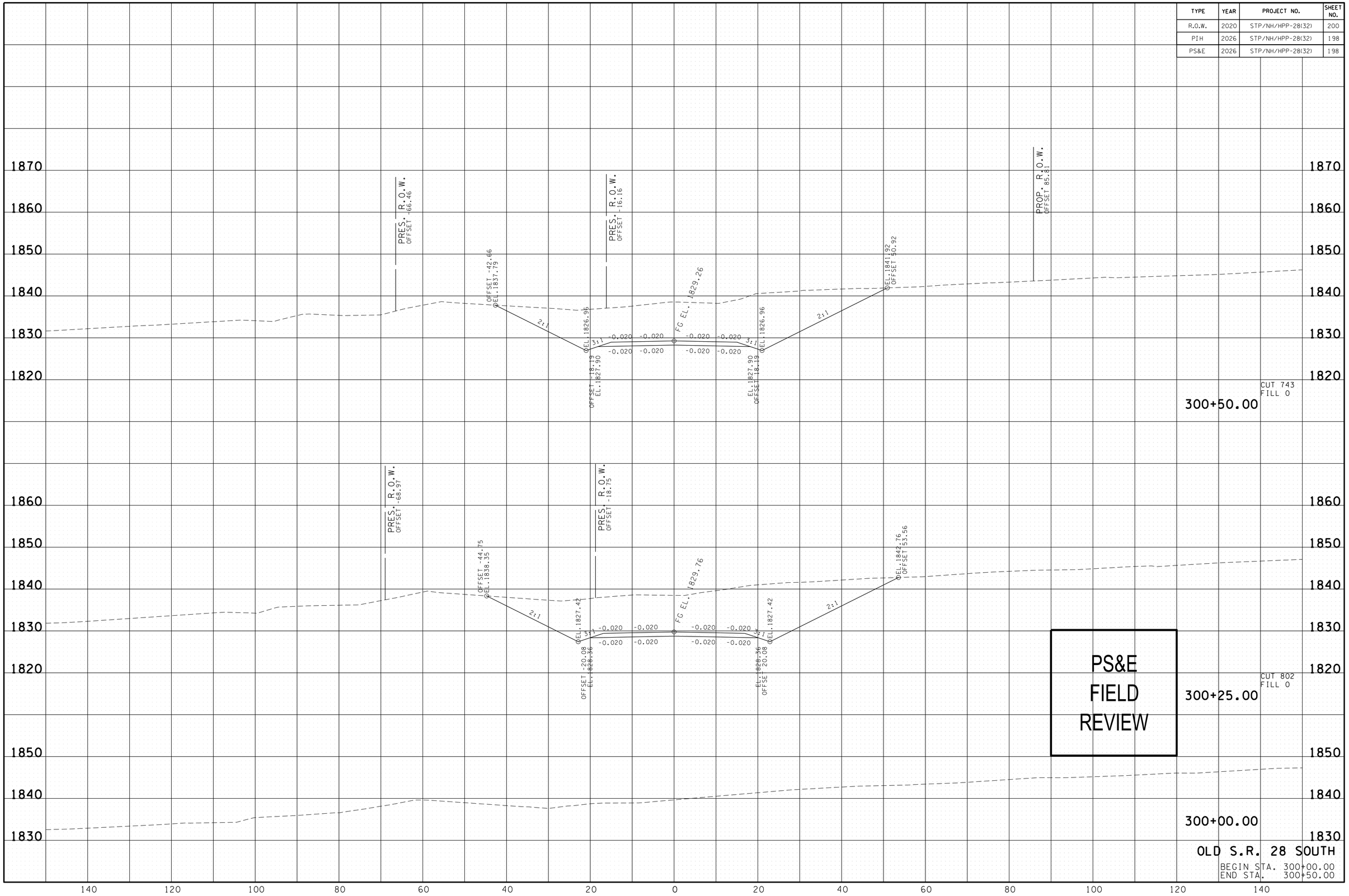
GOSS

BEGIN STA. 245+75.00
END STA. 246+00.00

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

1/30/2026
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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)	198



CUT 743
FILL 0

300+50.00

CUT 802
FILL 0

300+25.00

PS&E
FIELD
REVIEW

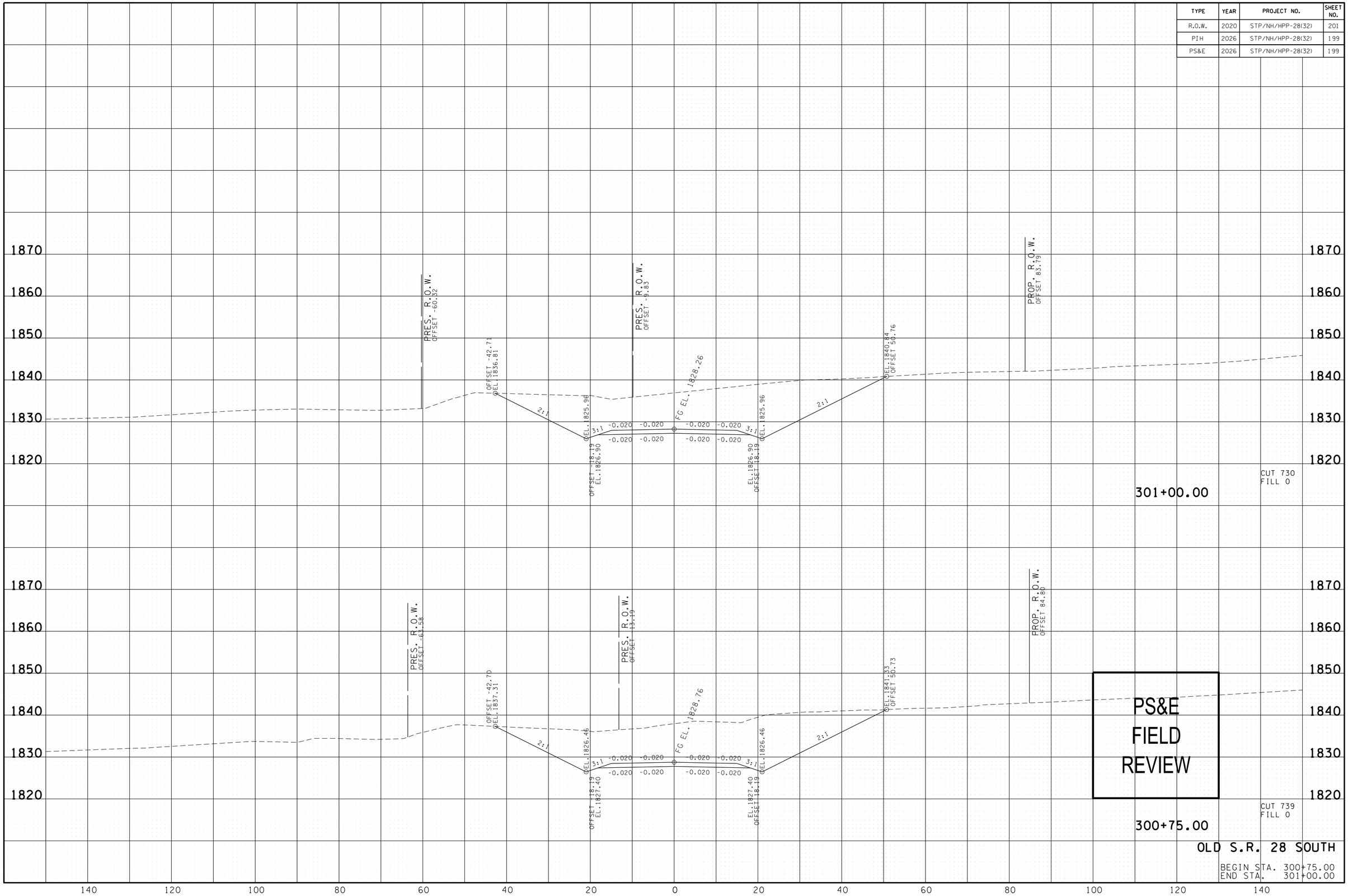
300+00.00

OLD S.R. 28 SOUTH

BEGIN STA. 300+00.00
END STA. 300+50.00

1/30/2026
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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)	199

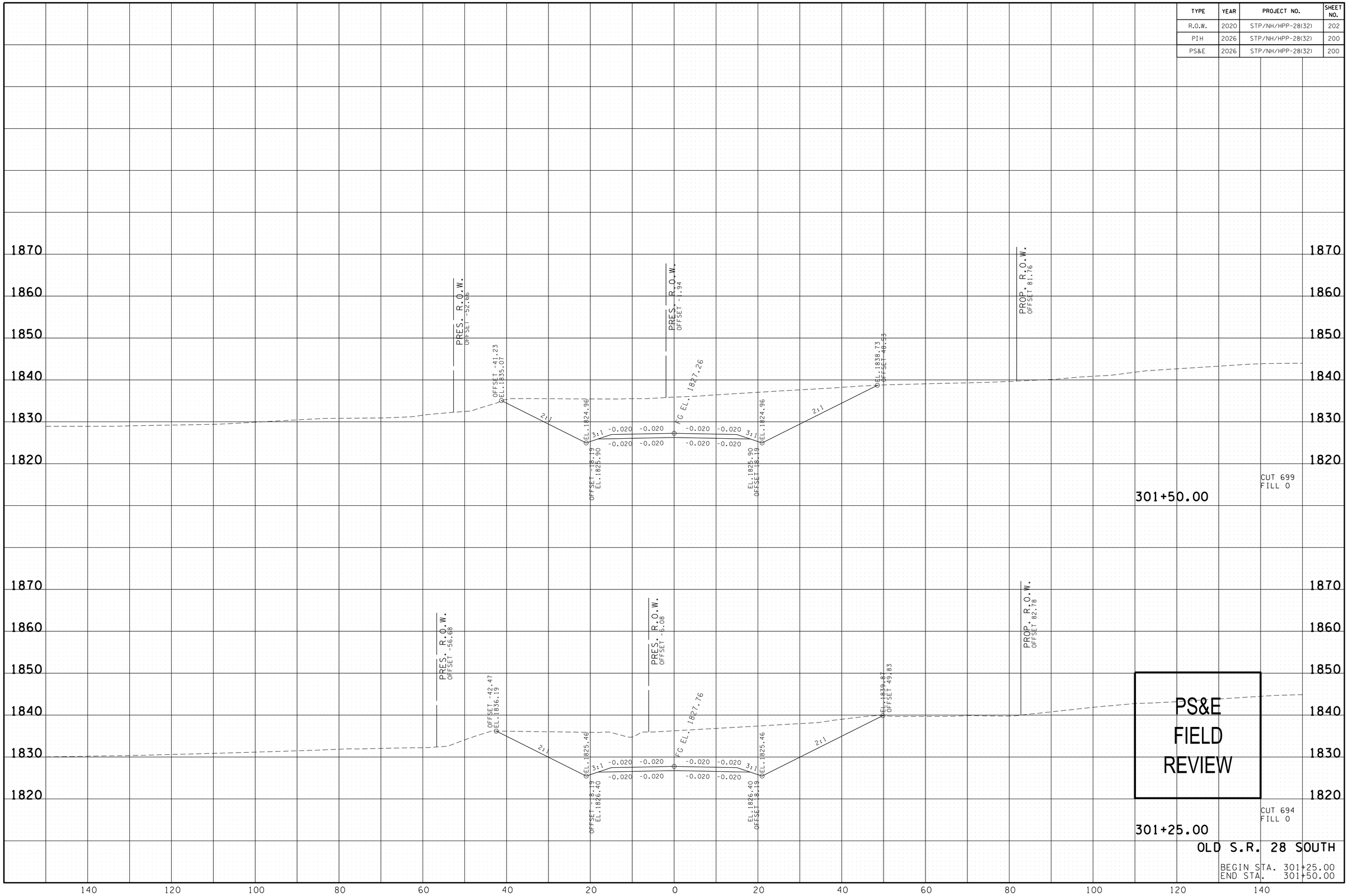


OLD S.R. 28 SOUTH

BEGIN STA. 300+75.00
END STA. 301+00.00

1/30/2026
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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)	200

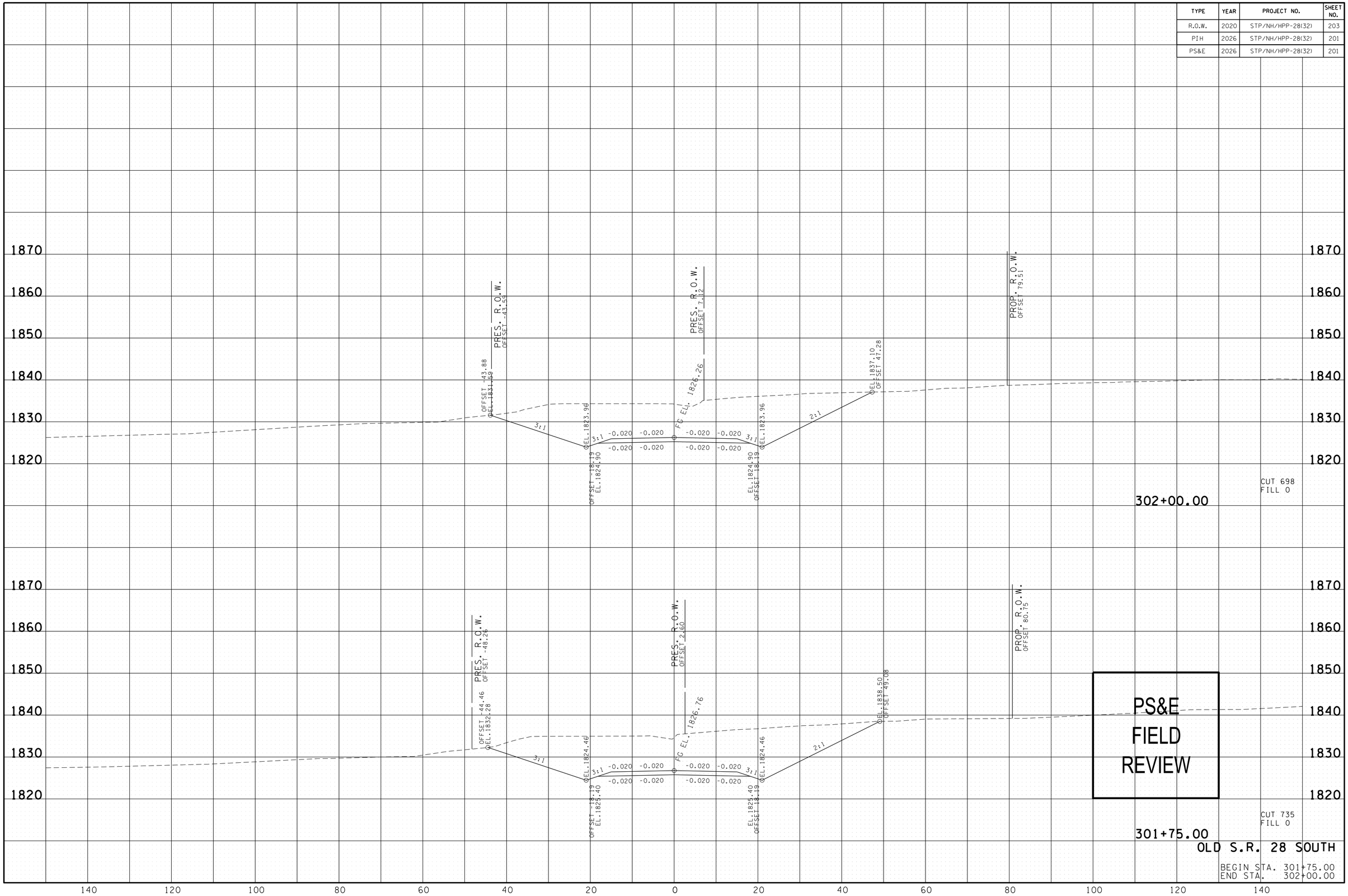


OLD S.R. 28 SOUTH

BEGIN STA. 301+25.00
END STA. 301+50.00

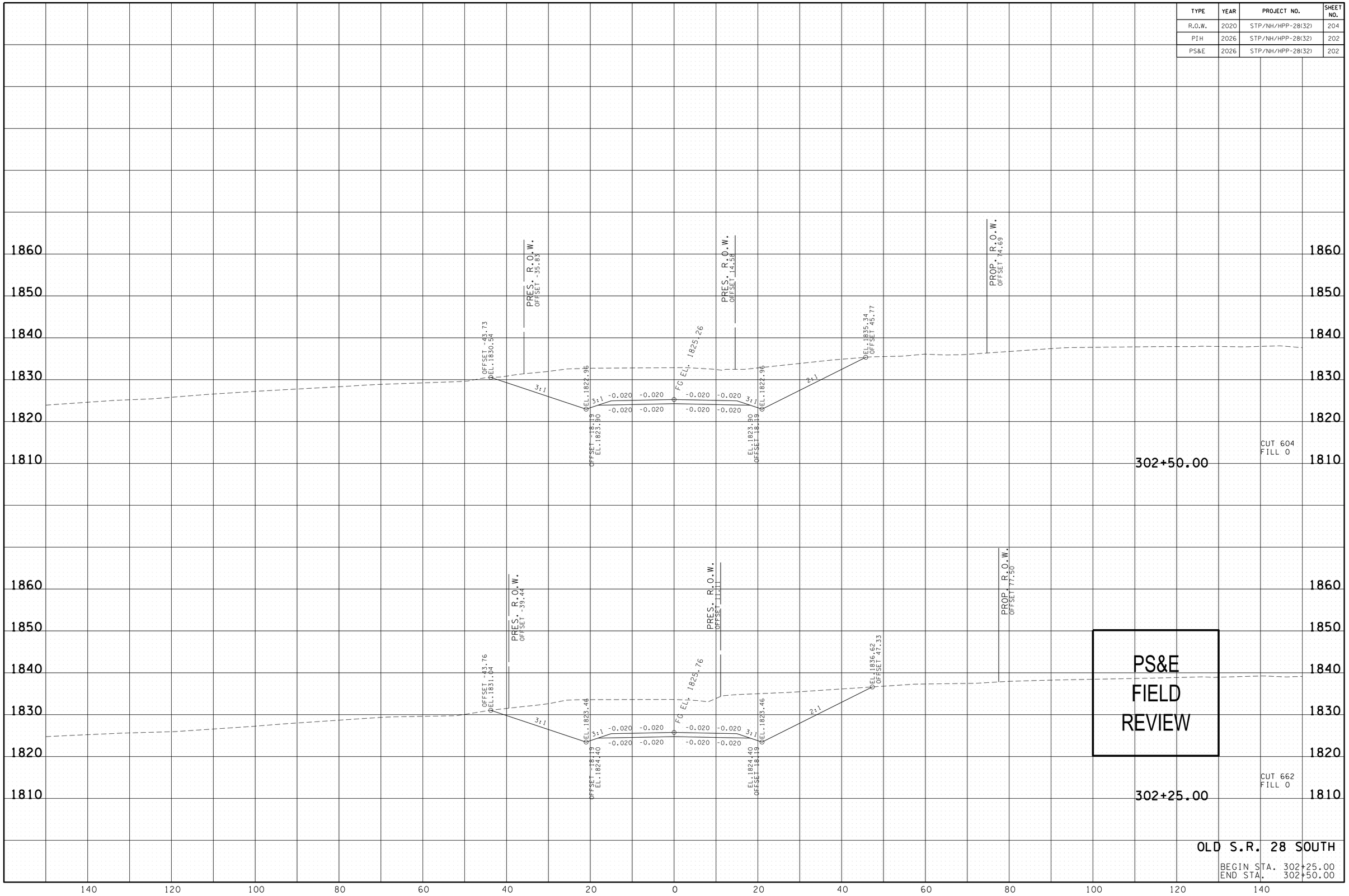
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	203
PIH	2026	STP/NH/HPP-28(32)	201
PS&E	2026	STP/NH/HPP-28(32)	201



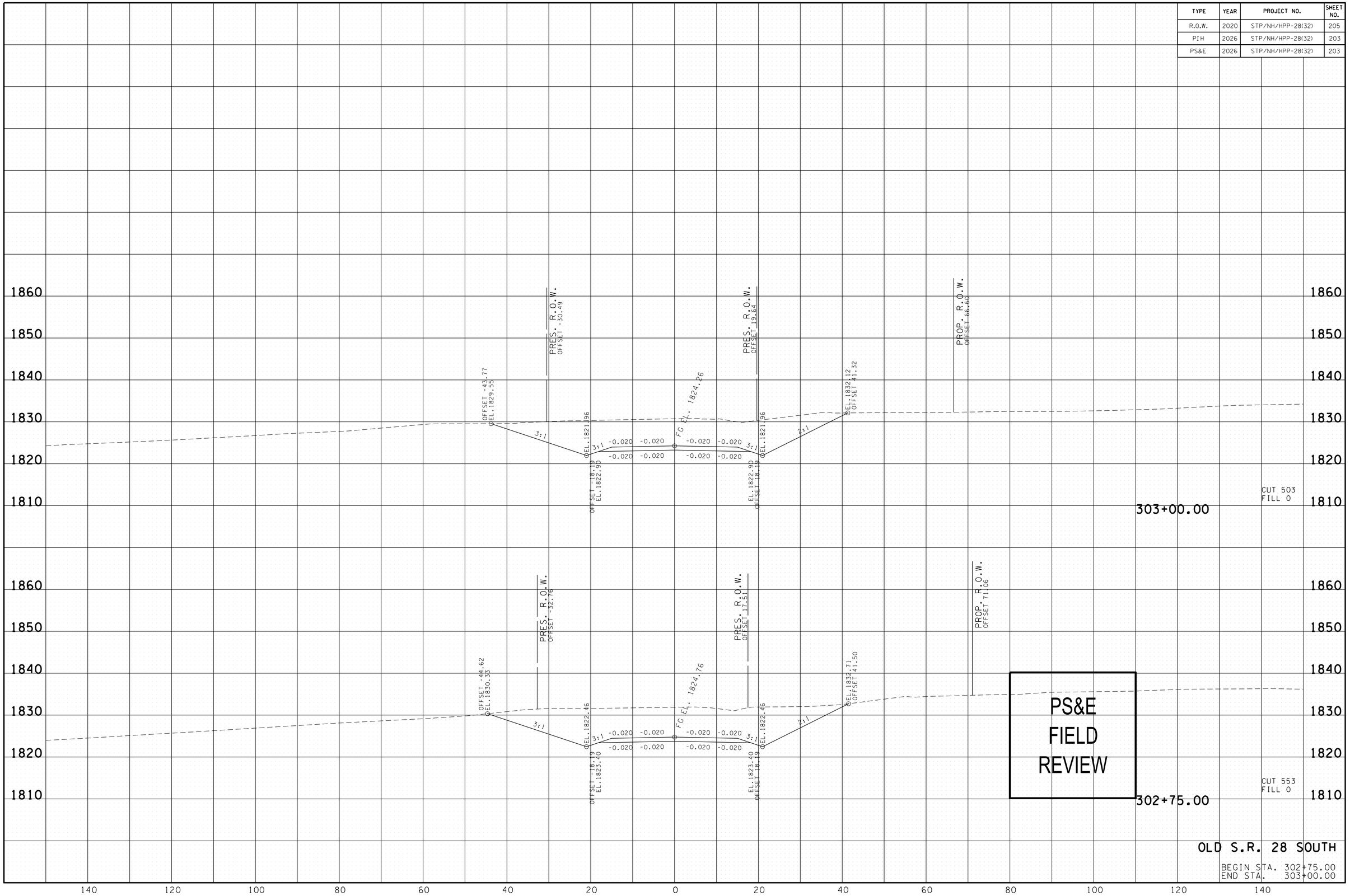
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	204
PIH	2026	STP/NH/HPP-28(32)	202
PS&E	2026	STP/NH/HPP-28(32)	202



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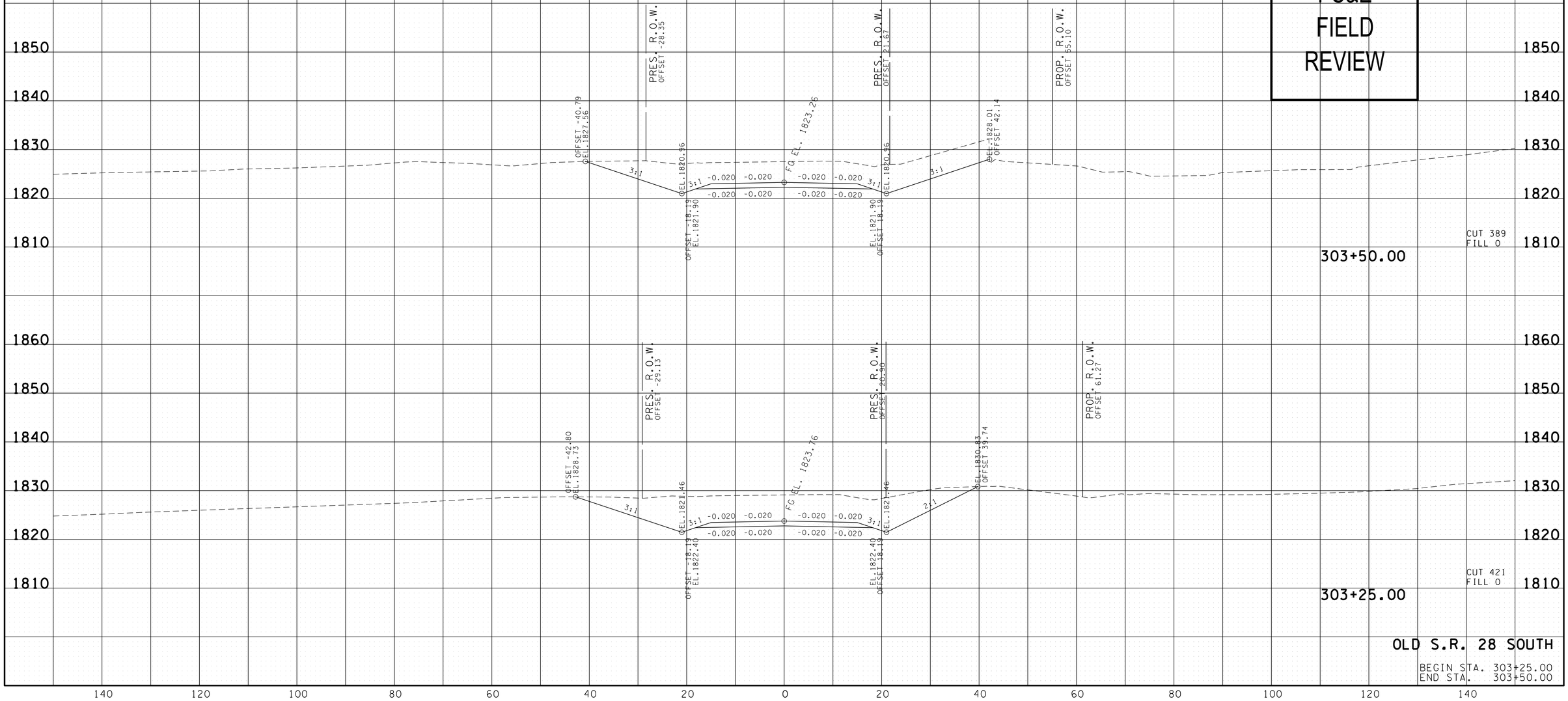
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	205
PIH	2026	STP/NH/HPP-28(32)	203
PS&E	2026	STP/NH/HPP-28(32)	203



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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)	204

PS&E
FIELD
REVIEW

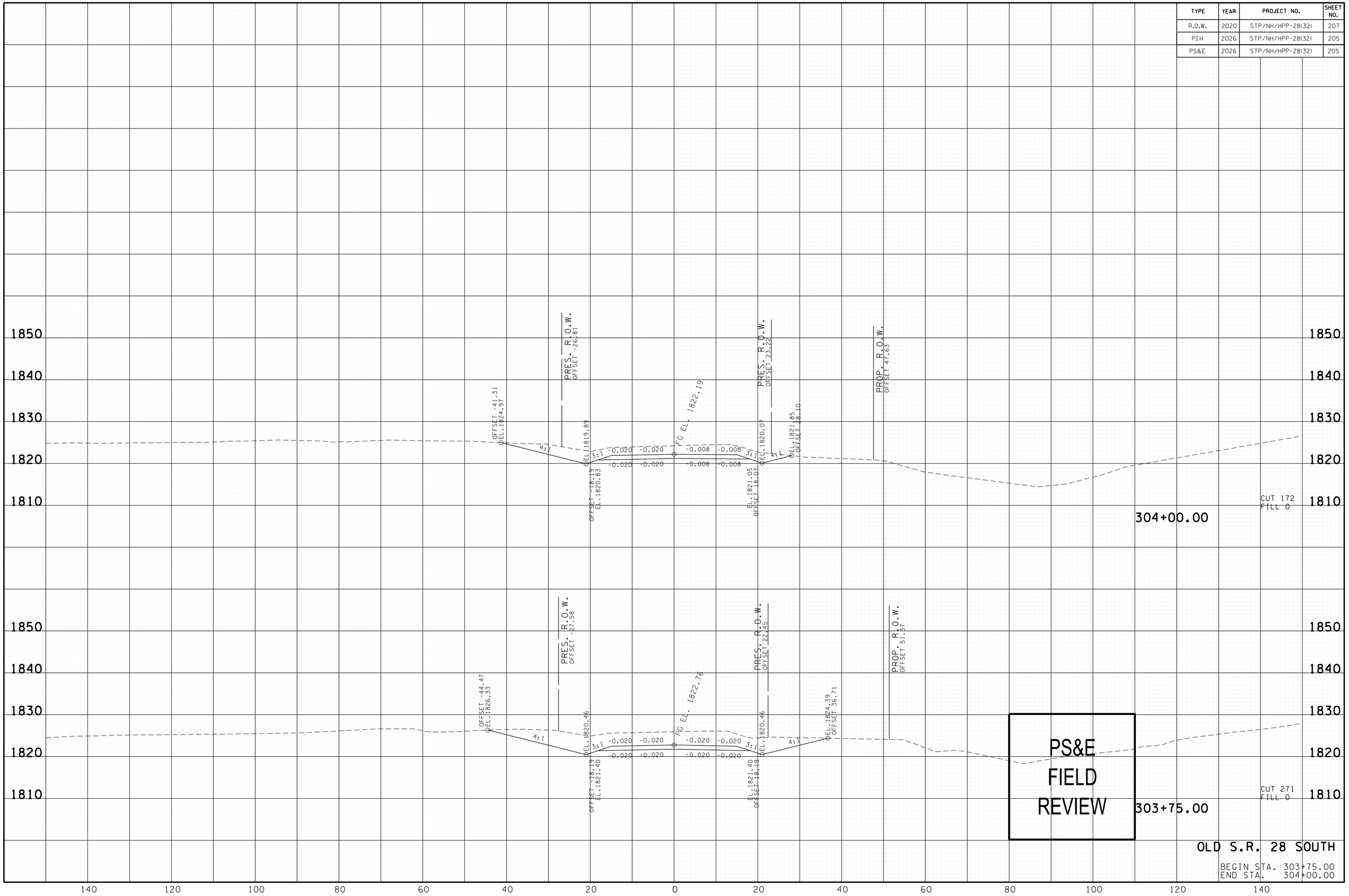


OLD S.R. 28 SOUTH

BEGIN STA. 303+25.00
END STA. 303+50.00

1/30/2026
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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)	205



OLD S.R. 28 SOUTH

BEGIN STA. 303+75.00
END STA. 304+00.00

1/30/2026
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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)	206

1850
1840
1830
1820
1810

PRES. R.O.W. OFFSET -23.26
PRES. R.O.W. OFFSET 24.76
PROP. R.O.W. OFFSET 40.15
OFFSET -39.50 EL. 1822.36
OFFSET -18.22 EL. 1817.74
OFFSET -18.22 EL. 1818.67
FG EL. 1820.08
EL. 1819.48 OFFSET 17.81
OFFSET 18.20 EL. 1818.20 OFFSET 23.85
4:1
-0.022 -0.022 0.023 0.023
CUT 73
FILL 0
304+50.00

PRES. R.O.W. OFFSET -26.03
PRES. R.O.W. OFFSET 23.99
PROP. R.O.W. OFFSET 43.89
OFFSET -38.88 EL. 1823.47
OFFSET -18.19 EL. 1819.00
OFFSET -18.19 EL. 1819.94
FG EL. 1821.30
EL. 1820.44 OFFSET 17.94
OFFSET 18.20 EL. 1819.41 OFFSET 24.54
4:1
-0.020 -0.020 0.007 0.007
CUT 110
FILL 0
304+25.00

PS&E
FIELD
REVIEW

OLD S.R. 28 SOUTH

BEGIN STA. 304+25.00
END STA. 304+50.00

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

1/30/2026
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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)	207

1830
1820
1840
1830
1820
1810
1800
1850
1840
1830
1820
1810

PRES. R.O.W.
OFFSET -23.72

PRES. R.O.W.
OFFSET -24.49

PRES. R.O.W.
OFFSET 26.29

PRES. R.O.W.
OFFSET 25.53

PROP. R.O.W.
OFFSET 32.68

PROP. R.O.W.
OFFSET 36.42

OFFSET -37.93
EL. 1821.59

OFFSET -18.57
EL. 1814.65

OFFSET -18.38
EL. 1816.82

FG EL. 1816.64

FG EL. 1818.51

EL. 1816.57
OFFSET 17.59

EL. 1817.59
OFFSET 20.93

EL. 1818.18
OFFSET 17.69

3:1 -0.053 -0.053 0.053 0.053 4:1
-0.053 -0.053 0.053 0.053

3:1 -0.038 -0.038 0.038 0.038 4:1
-0.038 -0.038 0.038 0.038

305+25.00

305+00.00

CUT 75
FILL 0

304+75.00

CUT 69
FILL 0

PS&E
FIELD
REVIEW

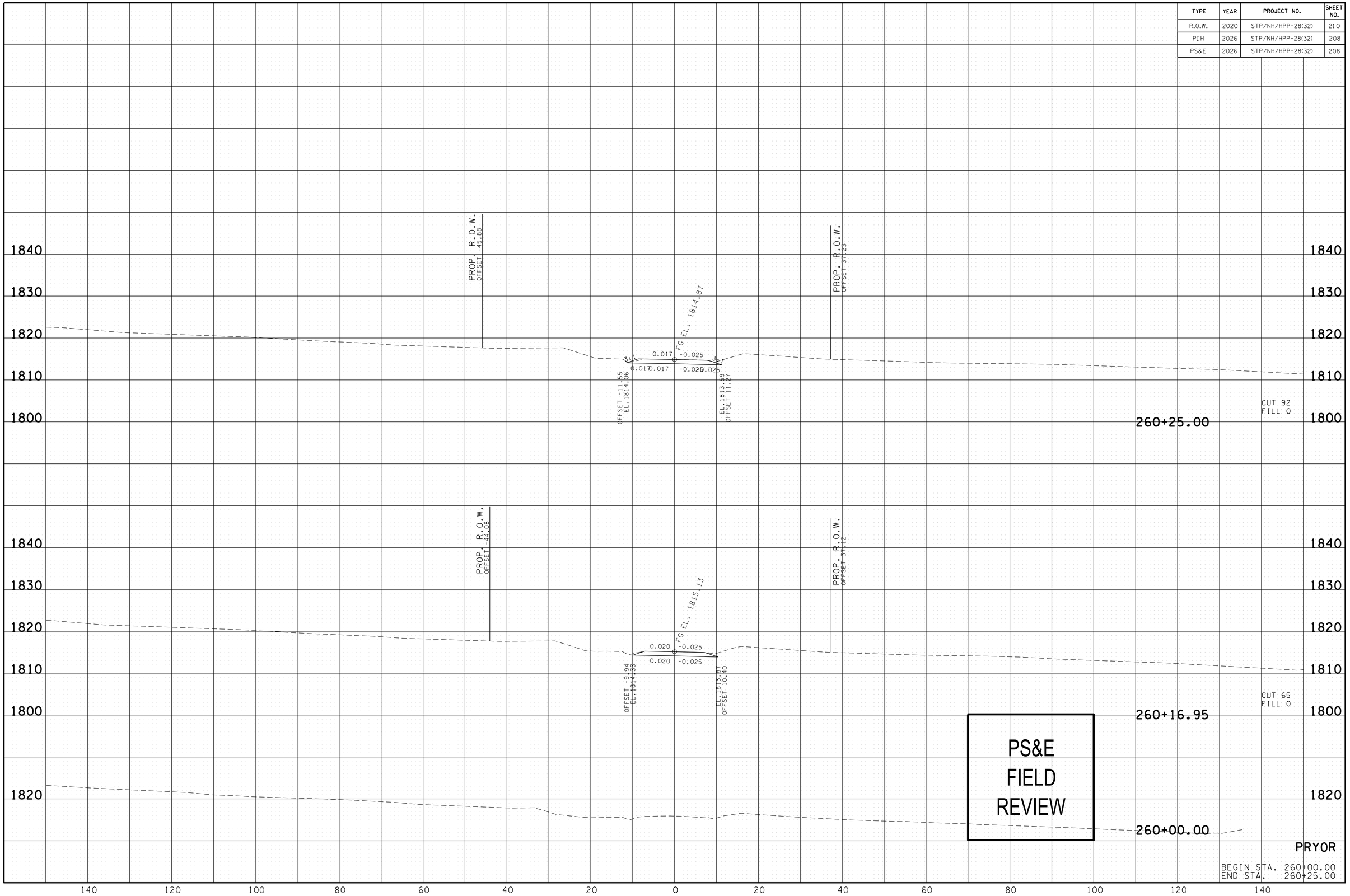
OLD S.R. 28 SOUTH

BEGIN STA. 304+75.00
END STA. 305+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)	210
PIH	2026	STP/NH/HPP-28(32)	208
PS&E	2026	STP/NH/HPP-28(32)	208

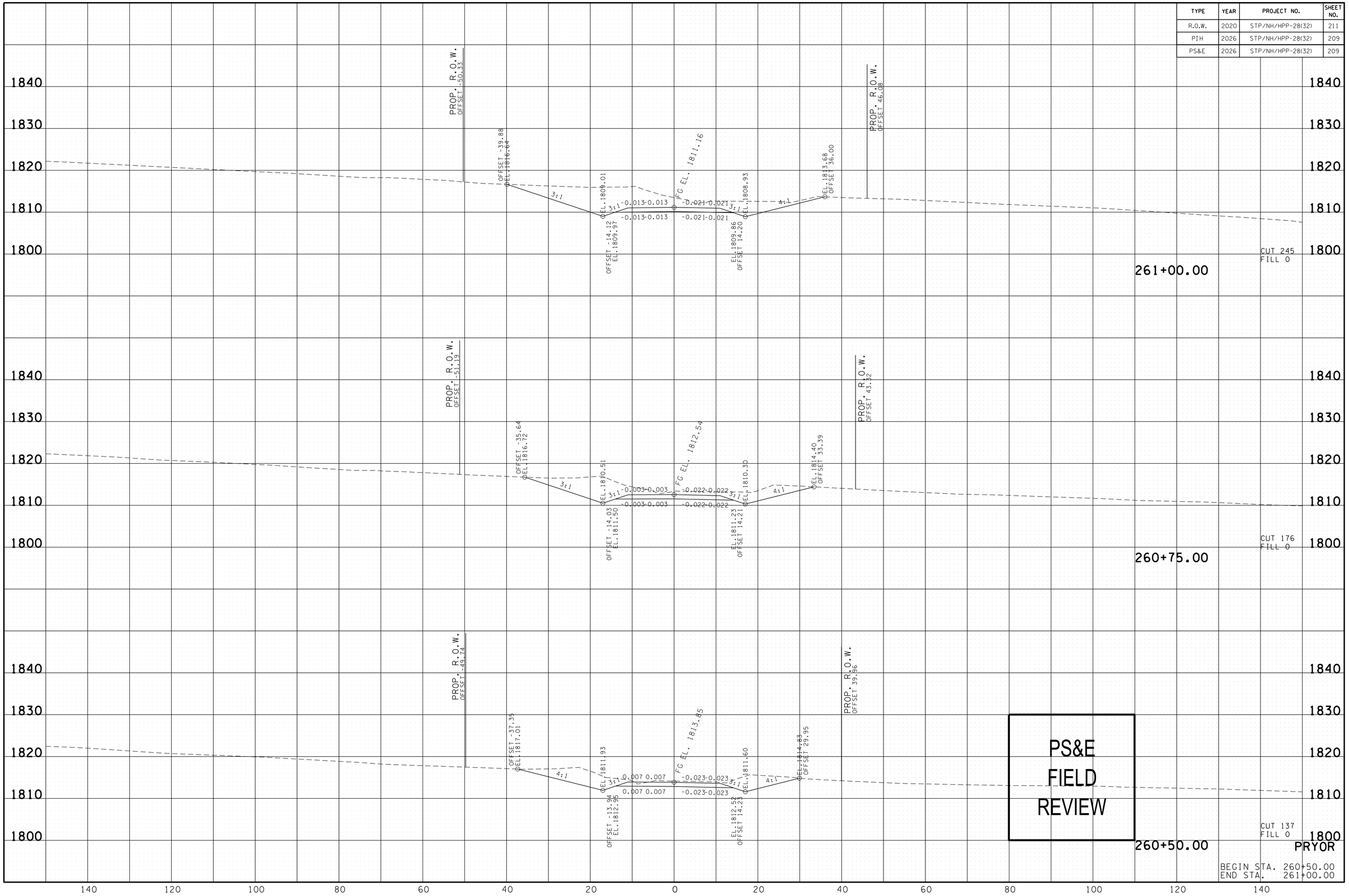


PRYOR

BEGIN STA. 260+00.00
END STA. 260+25.00

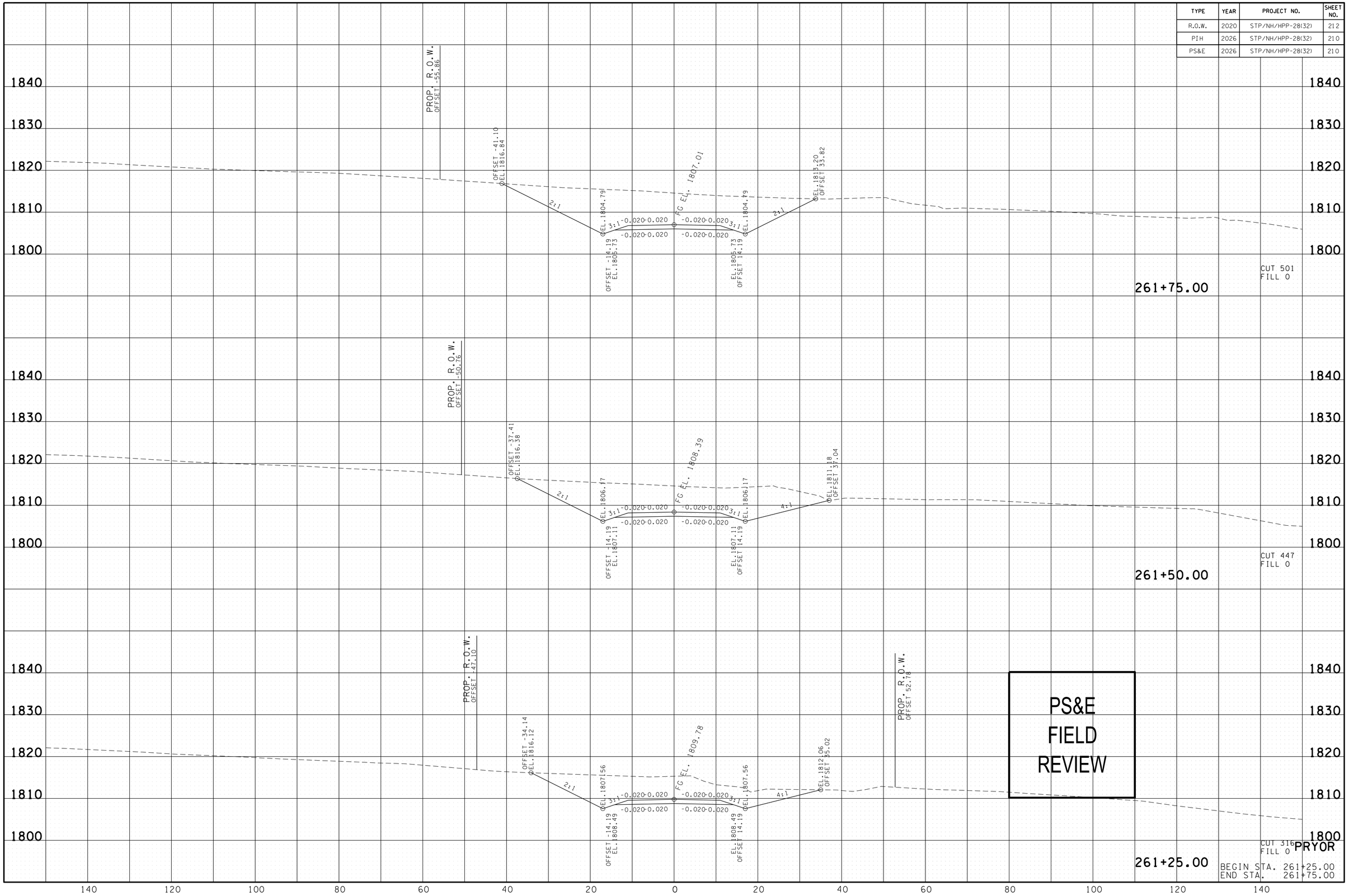
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	211
PIH	2026	STP/NH/HPP-28(32)	209
PS&E	2026	STP/NH/HPP-28(32)	209



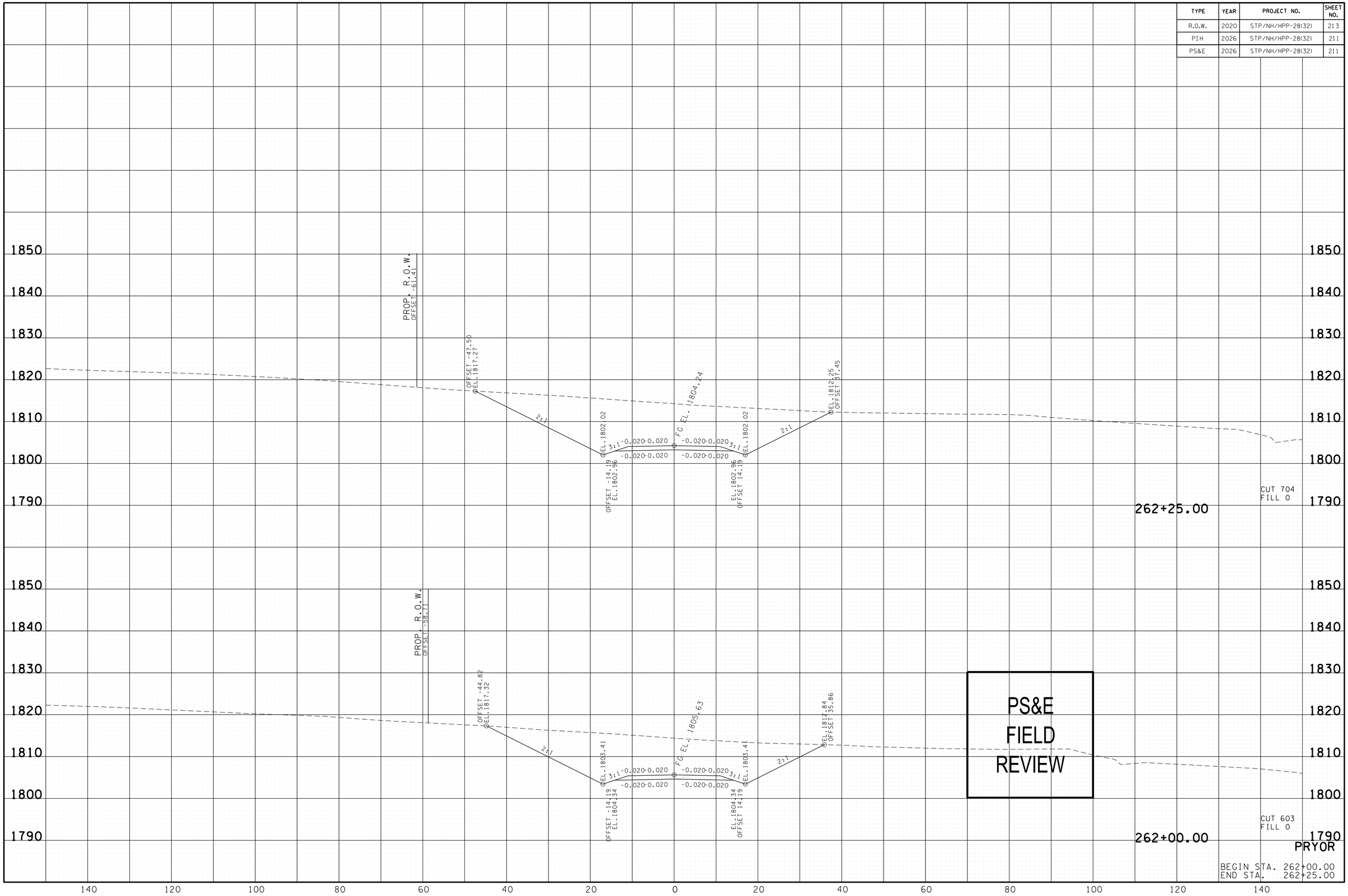
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	212
PIH	2026	STP/NH/HPP-28(32)	210
PS&E	2026	STP/NH/HPP-28(32)	210



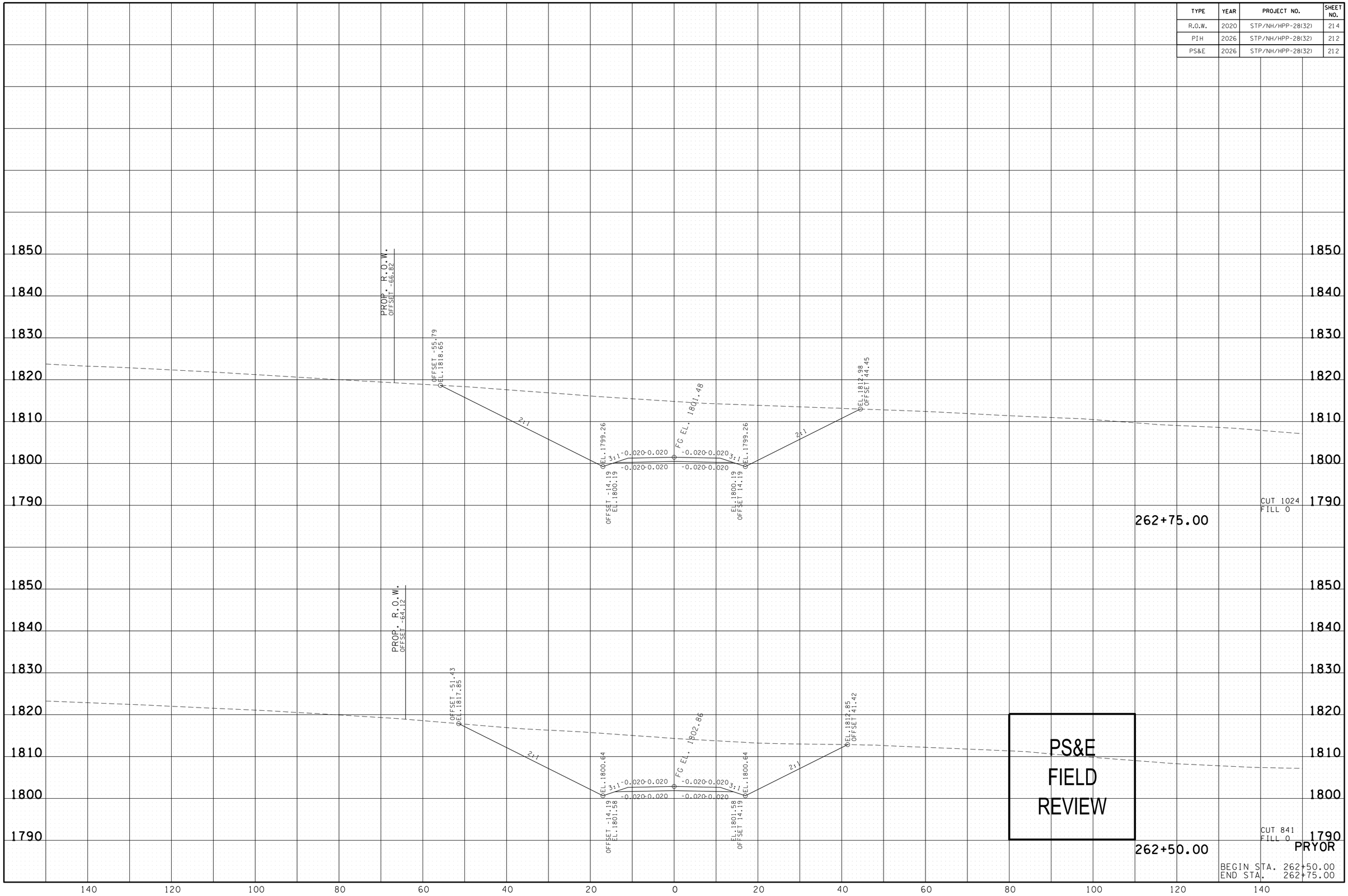
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	213
PIH	2026	STP/NH/HPP-28(32)	211
PS&E	2026	STP/NH/HPP-28(32)	211



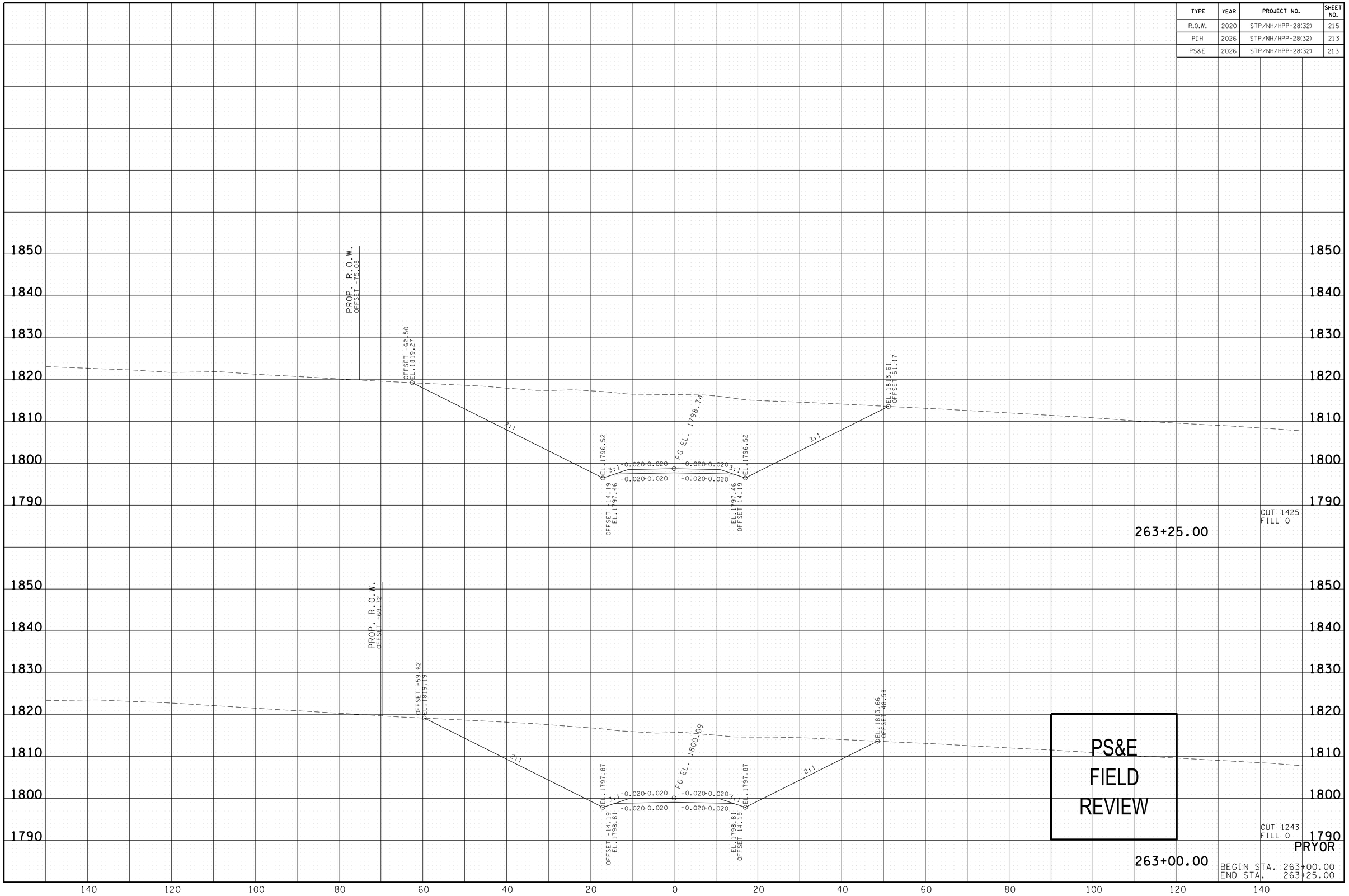
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	214
PIH	2026	STP/NH/HPP-28(32)	212
PS&E	2026	STP/NH/HPP-28(32)	212



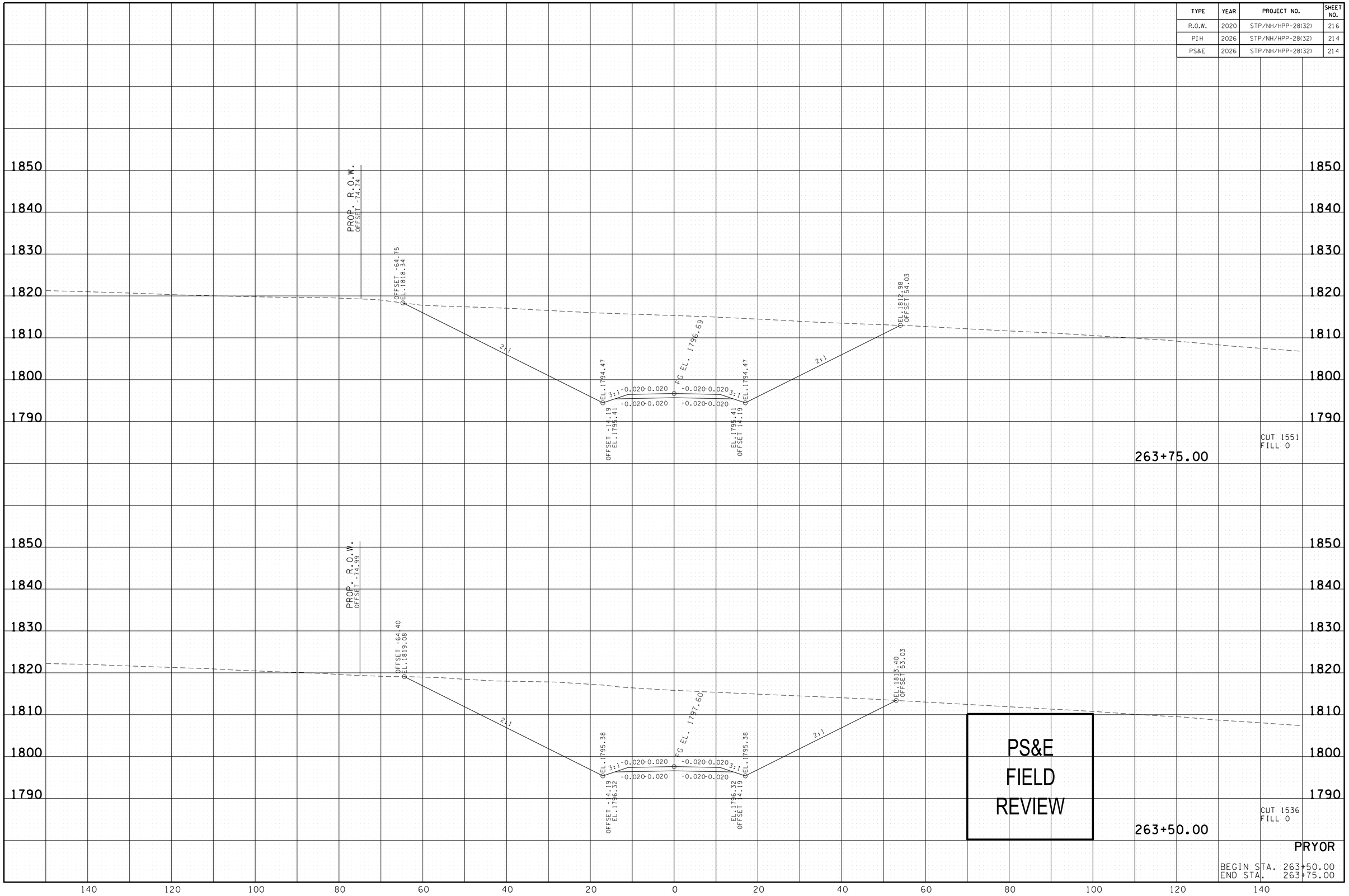
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	215
PIH	2026	STP/NH/HPP-28(32)	213
PS&E	2026	STP/NH/HPP-28(32)	213



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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)	214



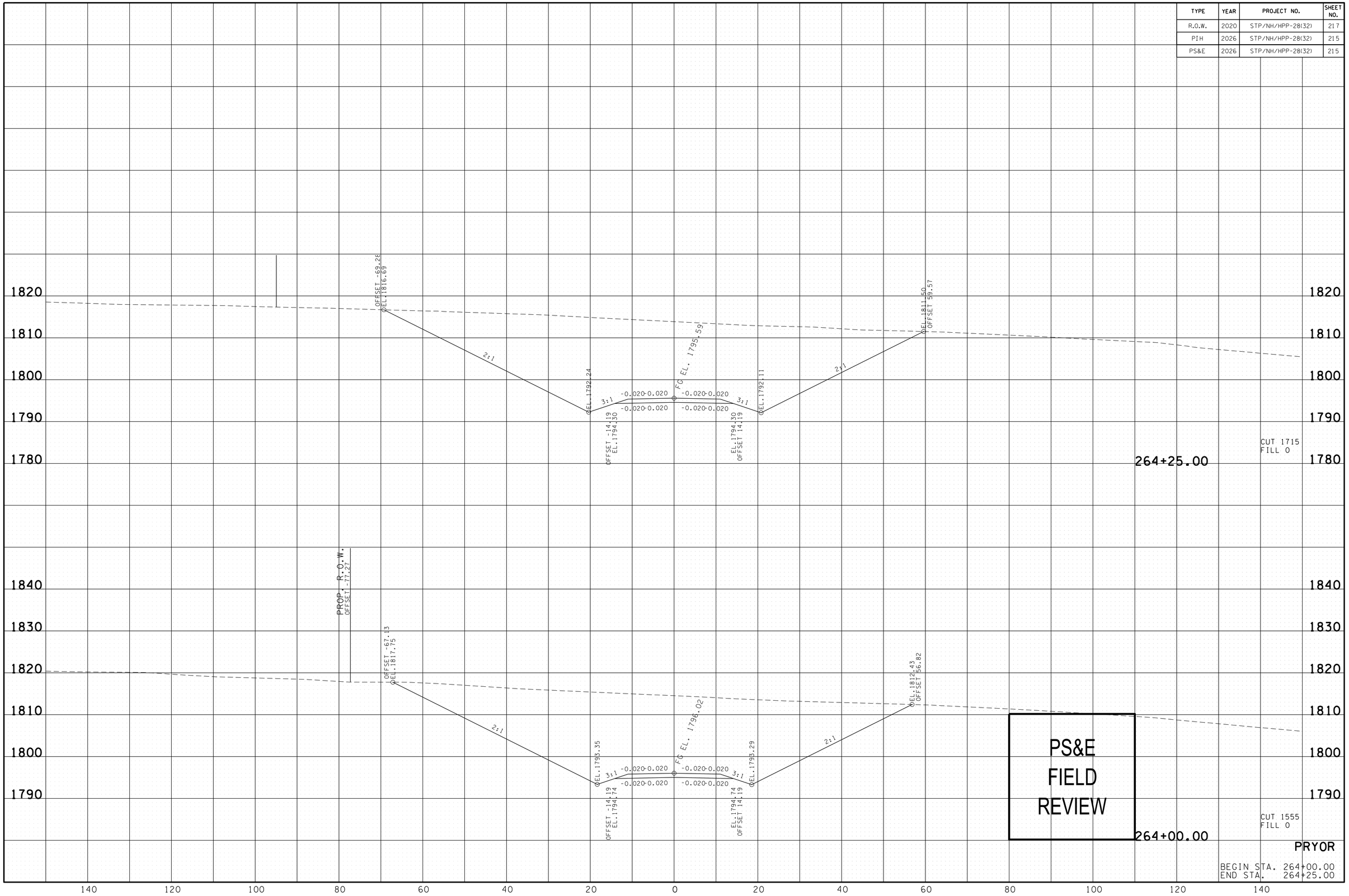
PS&E
FIELD
REVIEW

PRYOR

BEGIN STA. 263+50.00
END STA. 263+75.00

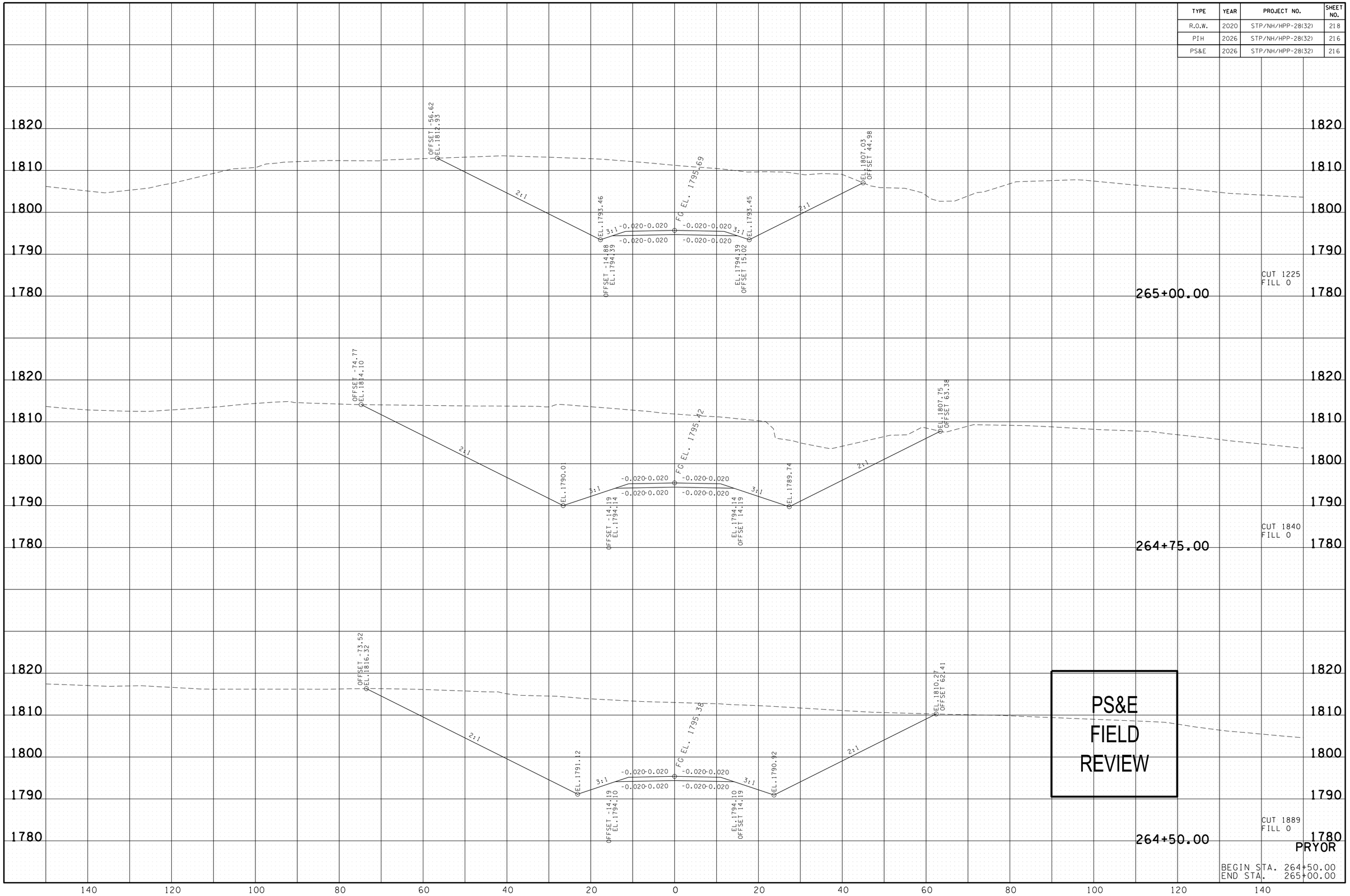
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	217
PIH	2026	STP/NH/HPP-28(32)	215
PS&E	2026	STP/NH/HPP-28(32)	215



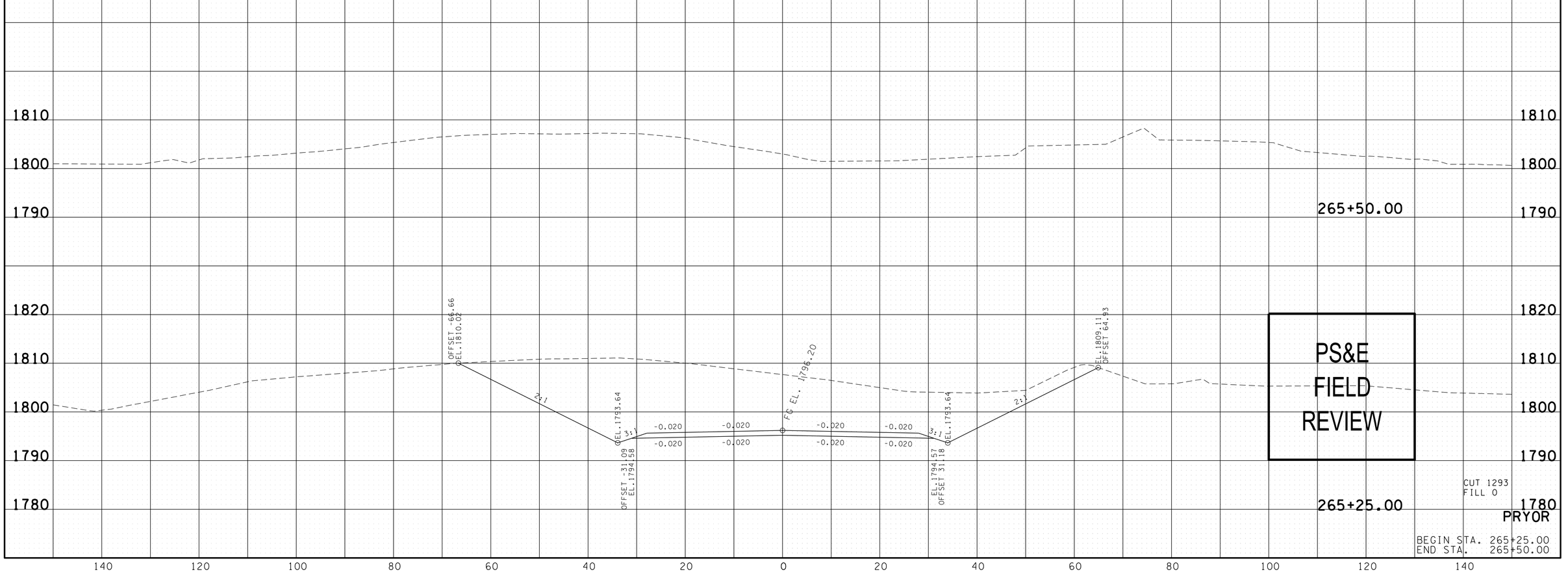
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	218
PIH	2026	STP/NH/HPP-28(32)	216
PS&E	2026	STP/NH/HPP-28(32)	216



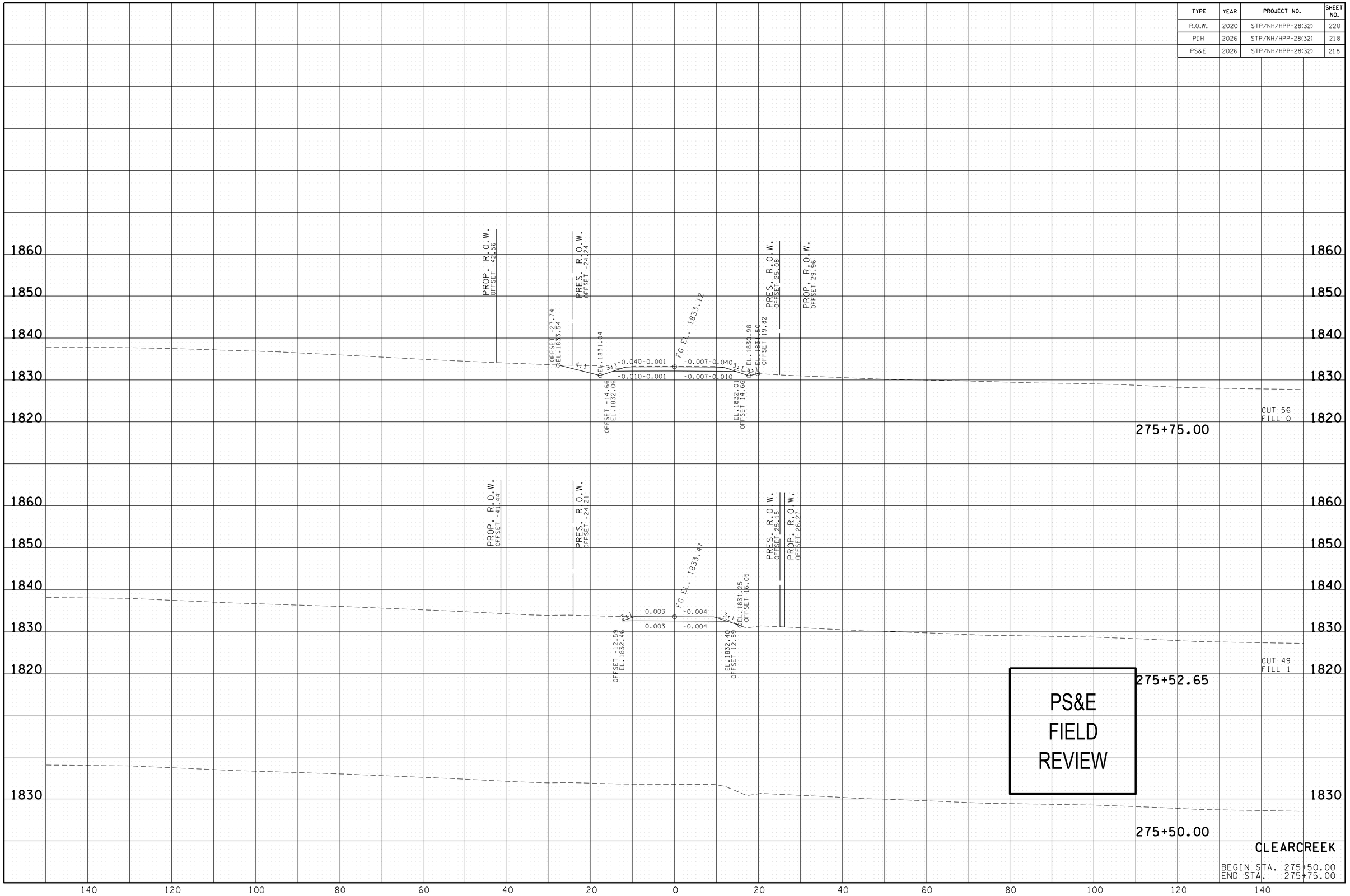
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	219
PIH	2026	STP/NH/HPP-28(32)	217
PS&E	2026	STP/NH/HPP-28(32)	217



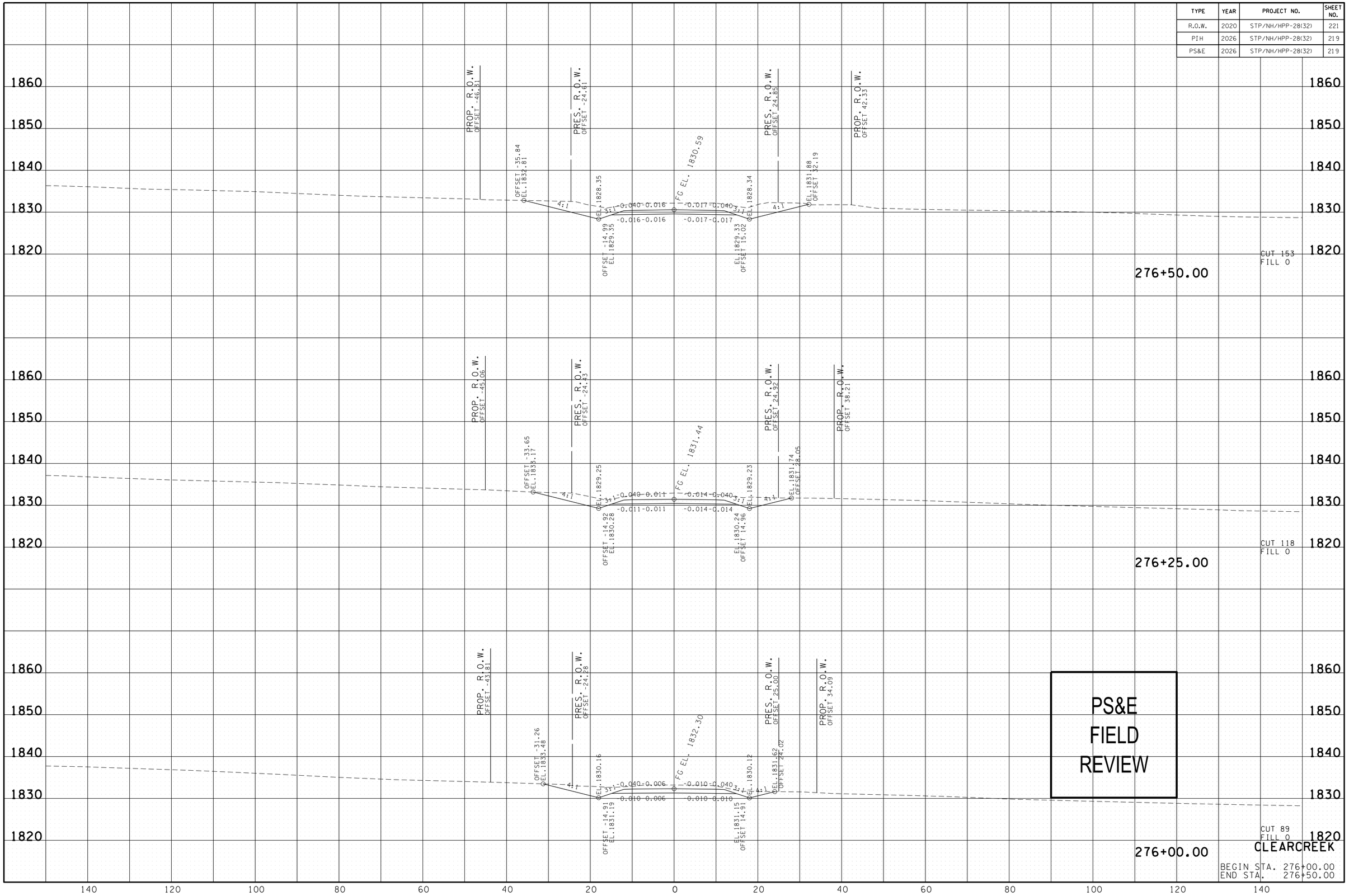
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	220
PIH	2026	STP/NH/HPP-28(32)	218
PS&E	2026	STP/NH/HPP-28(32)	218



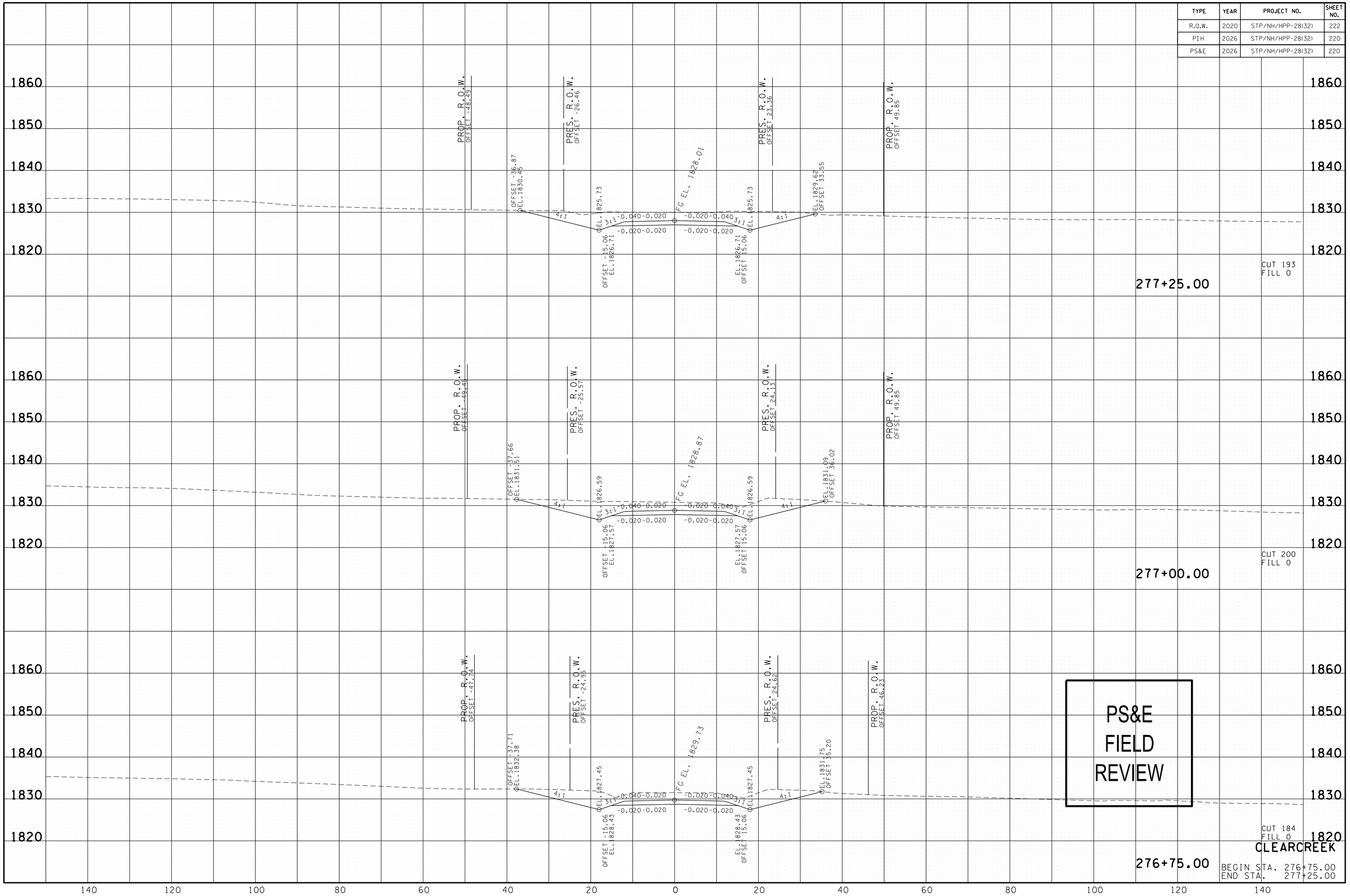
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	221
PIH	2026	STP/NH/HPP-28(32)	219
PS&E	2026	STP/NH/HPP-28(32)	219



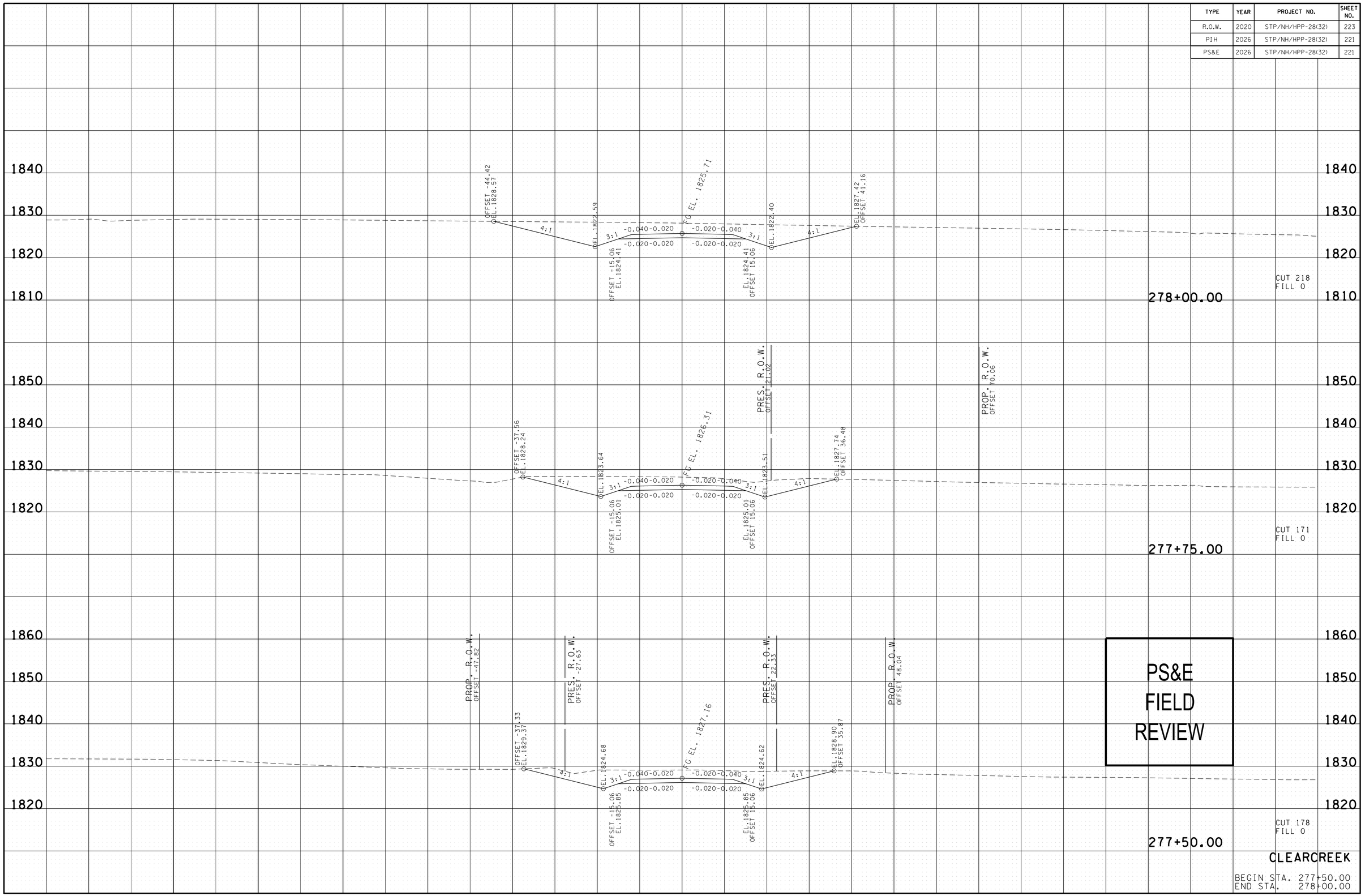
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	222
PIH	2026	STP/NH/HPP-28(32)	220
PS&E	2026	STP/NH/HPP-28(32)	220



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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)	221



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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)	222

278+75.00

OFFSET -48.13
EL. 1825.21
4:1
EL. 1822.77
3:1
-0.040 -0.020 -0.020 -0.040
-0.020 -0.020 -0.020 -0.020
FG EL. 1825.62
3:1
EL. 1822.77
4:1
EL. 1824.84
OFFSET 46.53
OFFSET -34.93
EL. 1823.92
EL. 1823.92
OFFSET 34.79

CUT 147
FILL 0

278+50.00

PS&E
FIELD
REVIEW

OFFSET -33.13
EL. 1826.65
4:1
EL. 1823.17
3:1
-0.040 -0.020 -0.020 -0.040
-0.020 -0.020 -0.020 -0.020
FG EL. 1825.48
3:1
EL. 1823.17
4:1
EL. 1826.83
OFFSET 33.87
OFFSET -16.23
EL. 1824.16
EL. 1824.16
OFFSET 16.24

CUT 157
FILL 0

278+25.00

CLEARCREEK

BEGIN STA. 278+25.00
END STA. 278+75.00

1830
1820
1810
1840
1830
1820
1810
1840
1830
1820
1810

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

1/30/2026
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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)	223

1850 1840 1830 1820

PROP. R.O.W.
OFFSET -144.99

OFFSET -36.12
EL.1830.60

PRES. R.O.W.
OFFSET -17.14

PRES. R.O.W.
OFFSET 3.02

EL. 1825.32

FG EL. 1827.54

EL. 1825.32

EL.1830.14
OFFSET 36.67

4:1 2:1 -0.020 0.020 -0.020 0.020 2:1 4:1

OFFSET -13.08
EL.1826.28

EL.1826.28
OFFSET 13.08

291+25.00

CUT 220
FILL 0

1860 1850 1840 1830 1820

PRES. R.O.W.
OFFSET -20.90

PRES. R.O.W.
OFFSET -0.63

OFFSET -37.37
EL.1831.14

EL. 1825.55

FG EL. 1827.77

EL. 1825.54

EL.1830.85
OFFSET 36.22

4:1 2:1 -0.020 0.020 -0.020 0.020 2:1 4:1

OFFSET -13.08
EL.1826.50

EL.1826.50
OFFSET 13.09

291+00.00

CUT 219
FILL 0

1860 1850 1840 1830 1820

PRES. R.O.W.
OFFSET -25.53

PRES. R.O.W.
OFFSET -5.17

OFFSET -43.62
EL.1830.61

EL. 1825.51

FG EL. 1827.89

EL. 1825.50

EL.1830.62
OFFSET 44.20

4:1 2:1 -0.020 -0.020 -0.020 -0.020 2:1 4:1

OFFSET -21.32
EL.1826.47

EL.1826.46
OFFSET 21.78

290+75.00

CUT 285
FILL 0

PS&E
FIELD
REVIEW

1830 1820

290+45.00

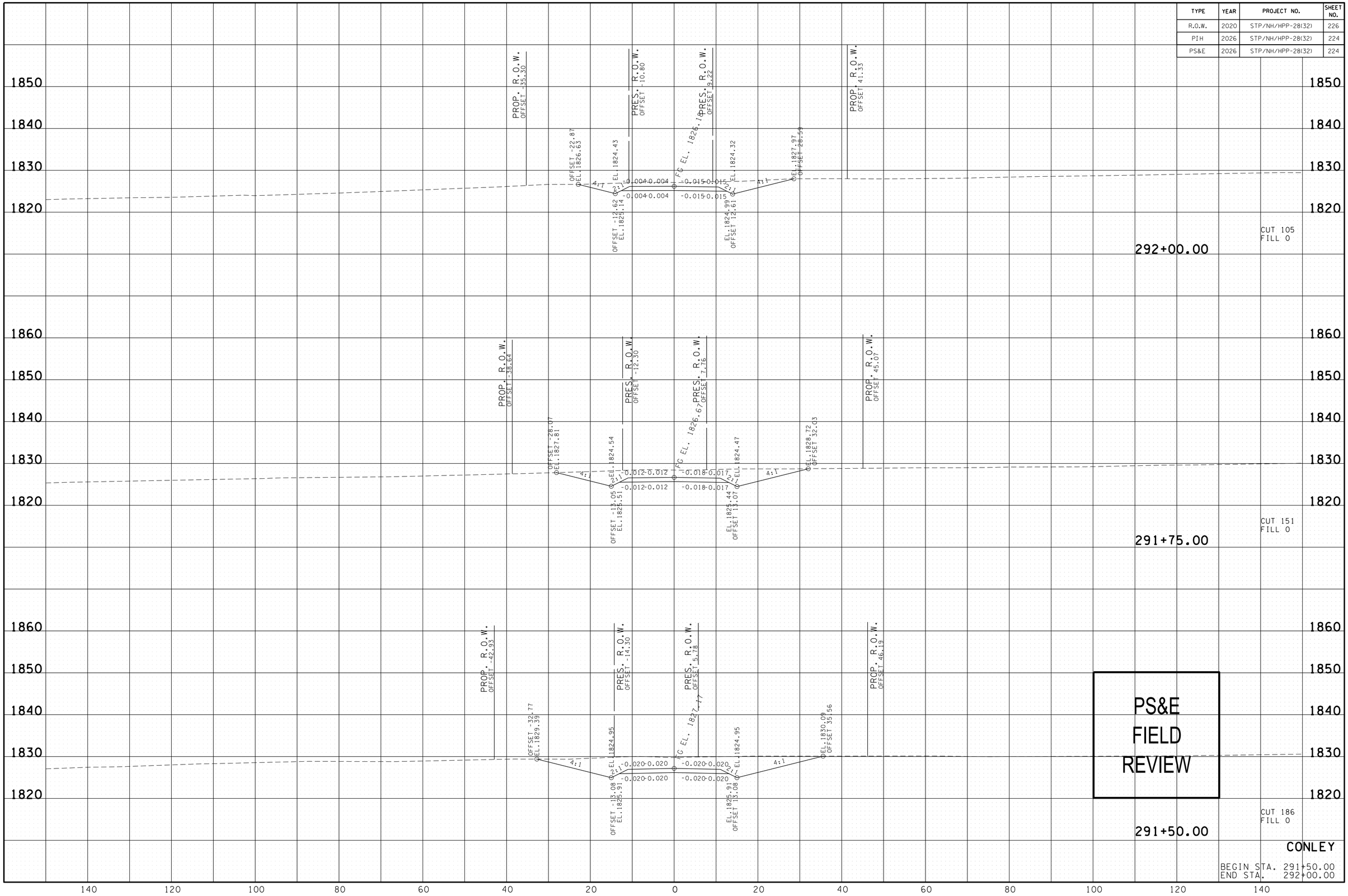
CONLEY

BEGIN STA. 290+45.00
END STA. 291+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)	226
PIH	2026	STP/NH/HPP-28(32)	224
PS&E	2026	STP/NH/HPP-28(32)	224



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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)	225

1830
1820
1850
1840
1830
1820
1850
1840
1830
1820
1810

292+75.00
292+50.00
292+25.00

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

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

CUT 54
FILL 0

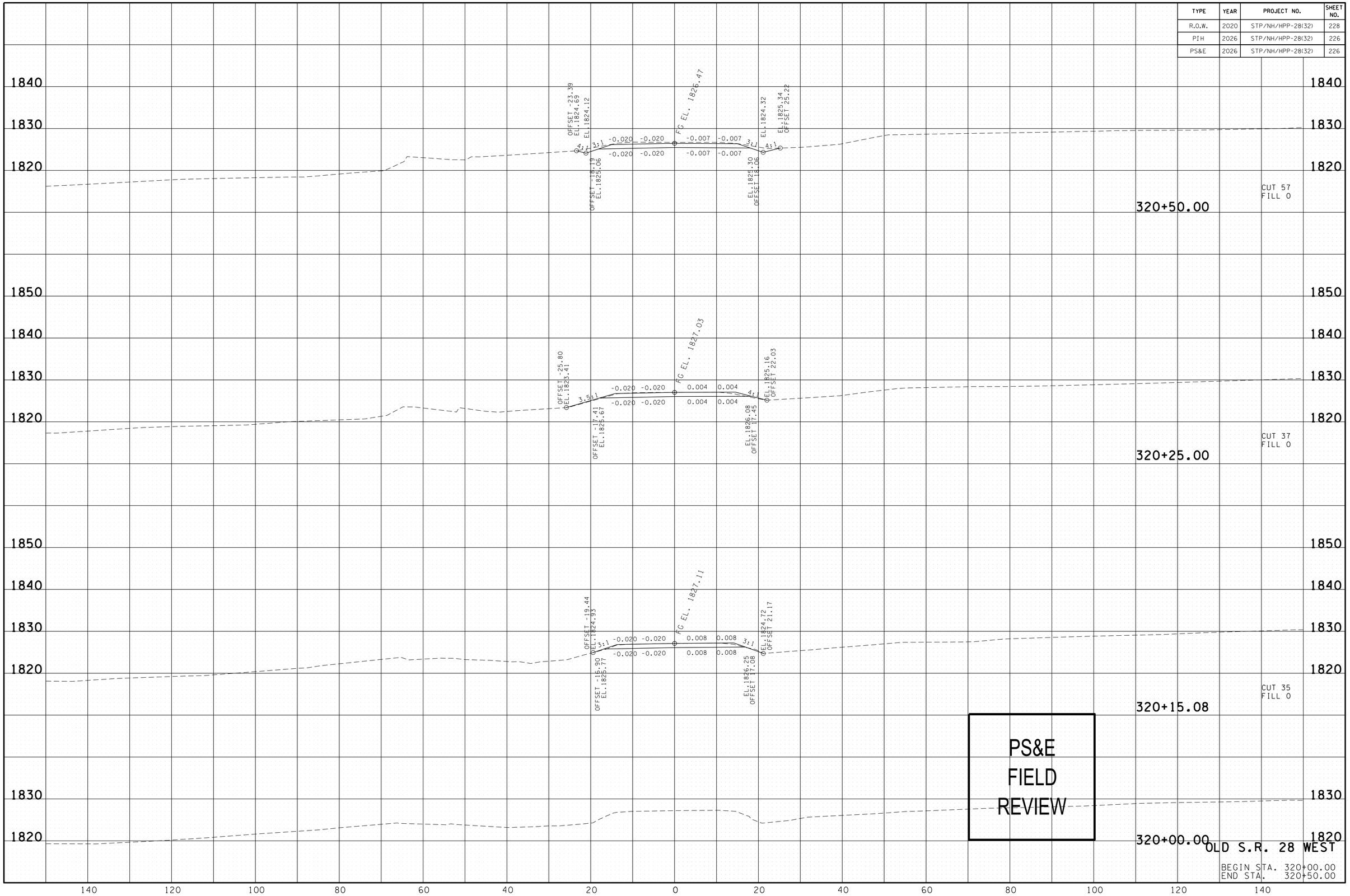
PS&E
FIELD
REVIEW

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

1/30/2026
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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)	226



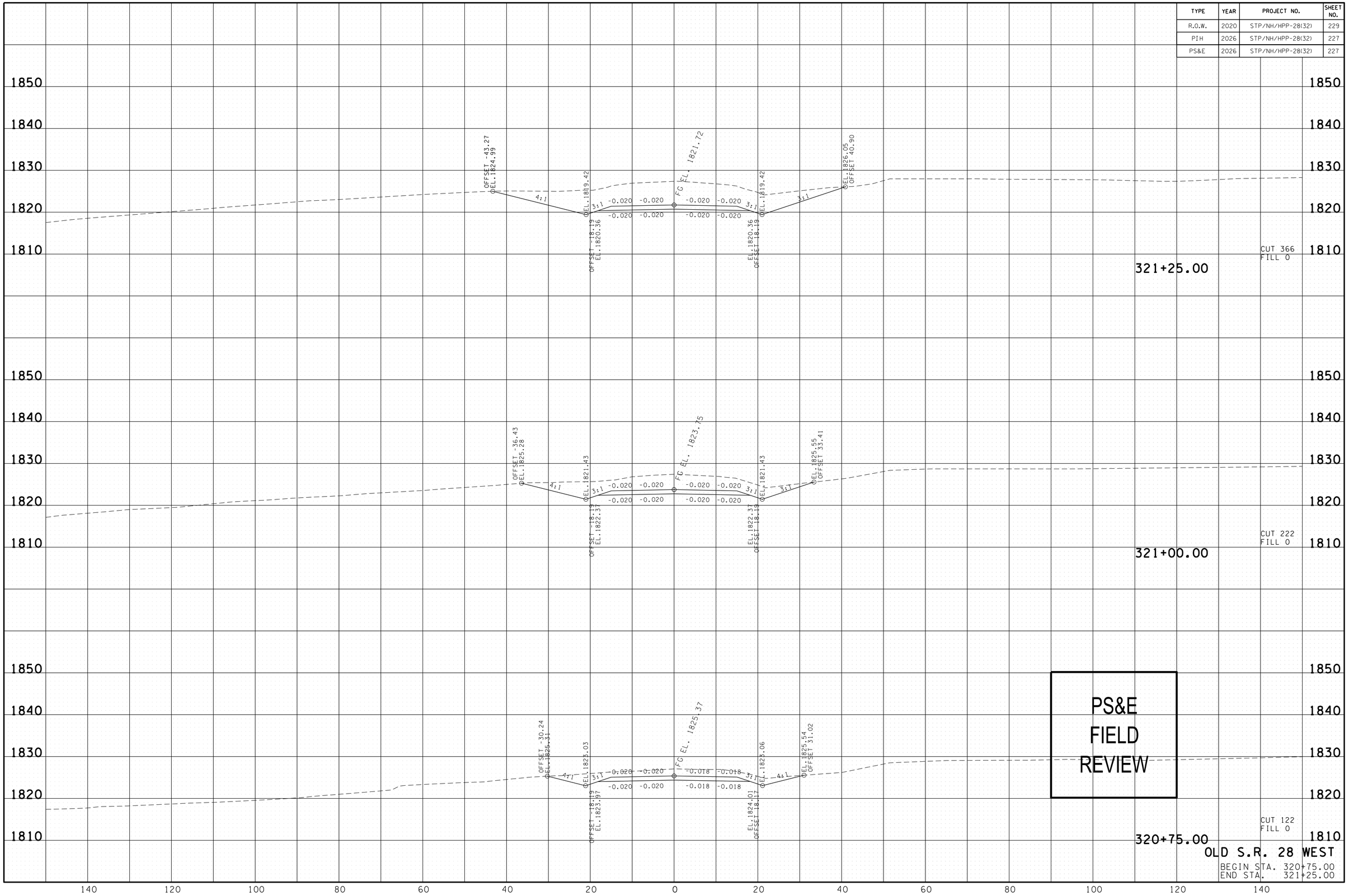
PS&E
FIELD
REVIEW

OLD S.R. 28 WEST

BEGIN STA. 320+00.00
END STA. 320+50.00

1/30/2026
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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)	227

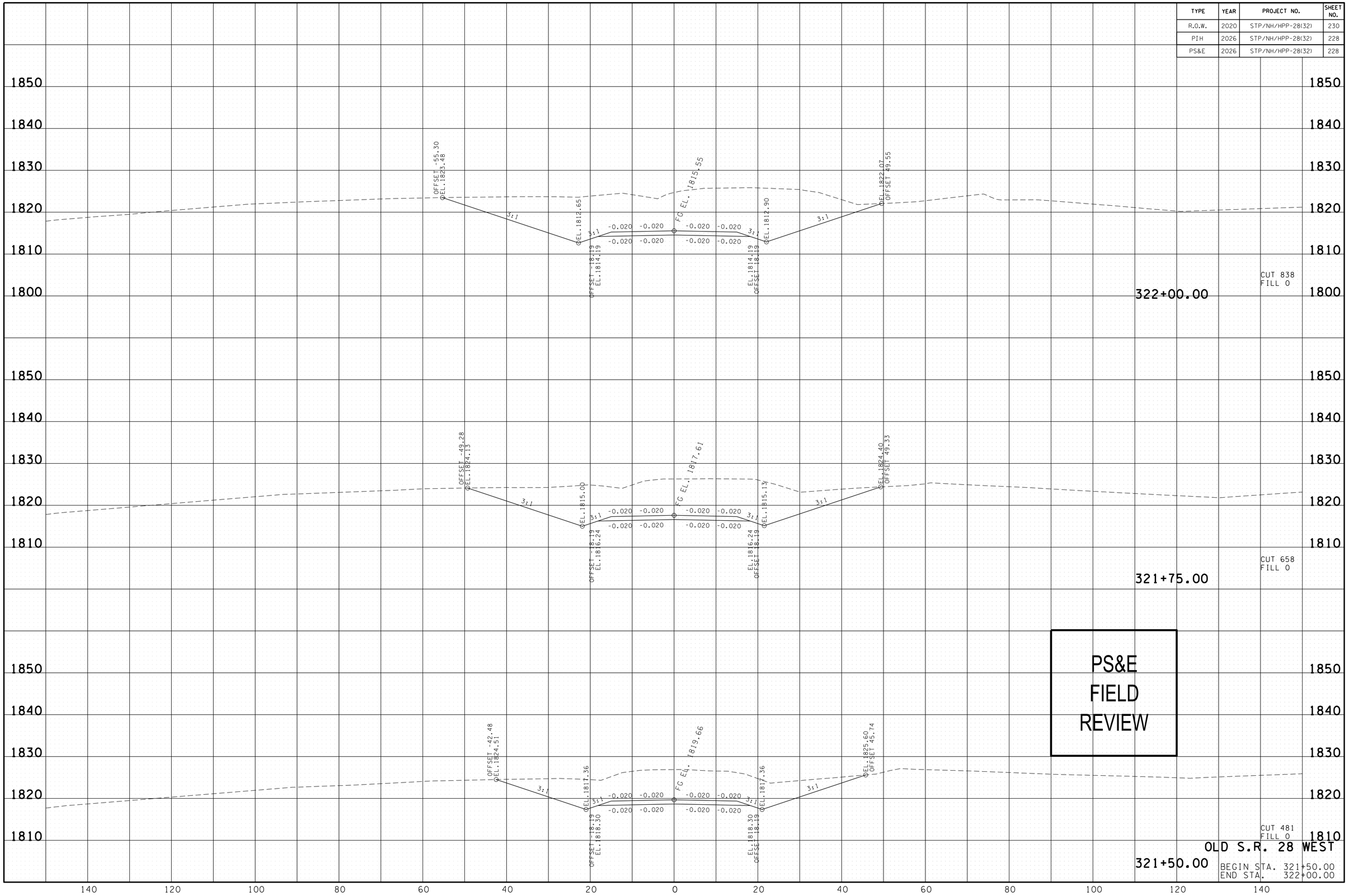


PS&E
FIELD
REVIEW

OLD S.R. 28 WEST
BEGIN STA. 320+75.00
END STA. 321+25.00

1/30/2026
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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)	228



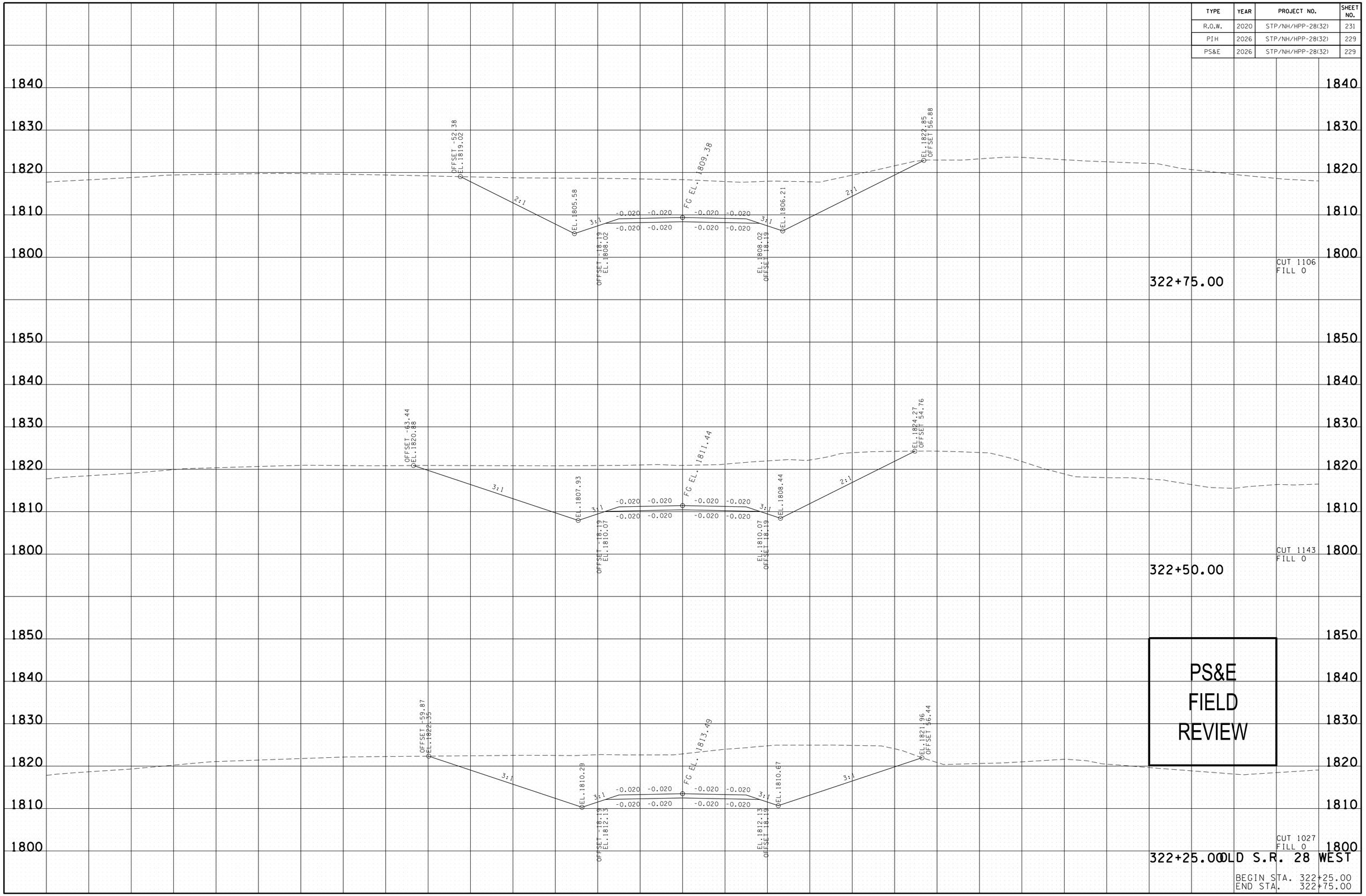
PS&E
FIELD
REVIEW

OLD S.R. 28 WEST

BEGIN STA. 321+50.00
END STA. 322+00.00

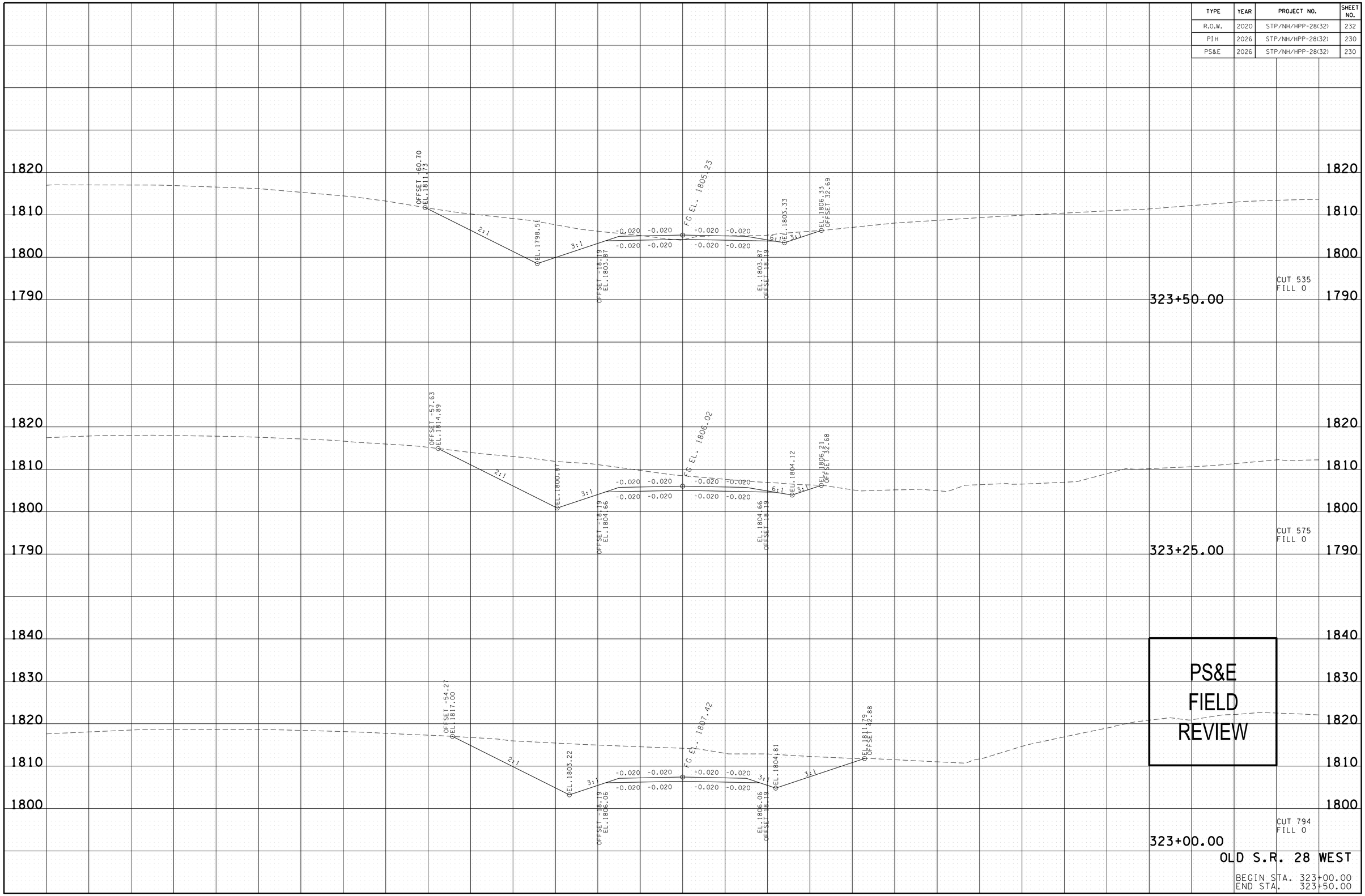
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	231
PIH	2026	STP/NH/HPP-28(32)	229
PS&E	2026	STP/NH/HPP-28(32)	229



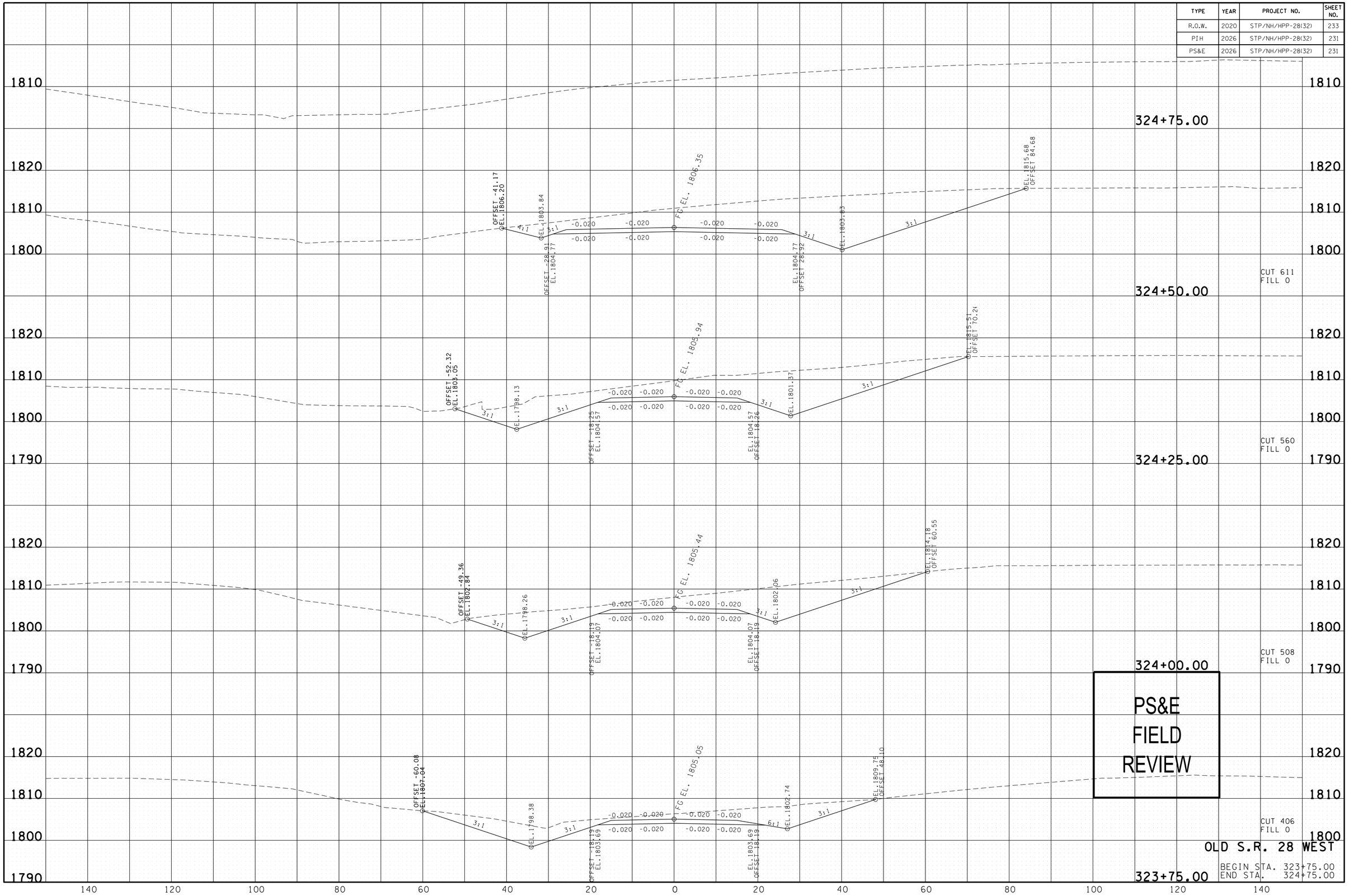
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	232
PIH	2026	STP/NH/HPP-28(32)	230
PS&E	2026	STP/NH/HPP-28(32)	230



1/30/2026
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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)	231



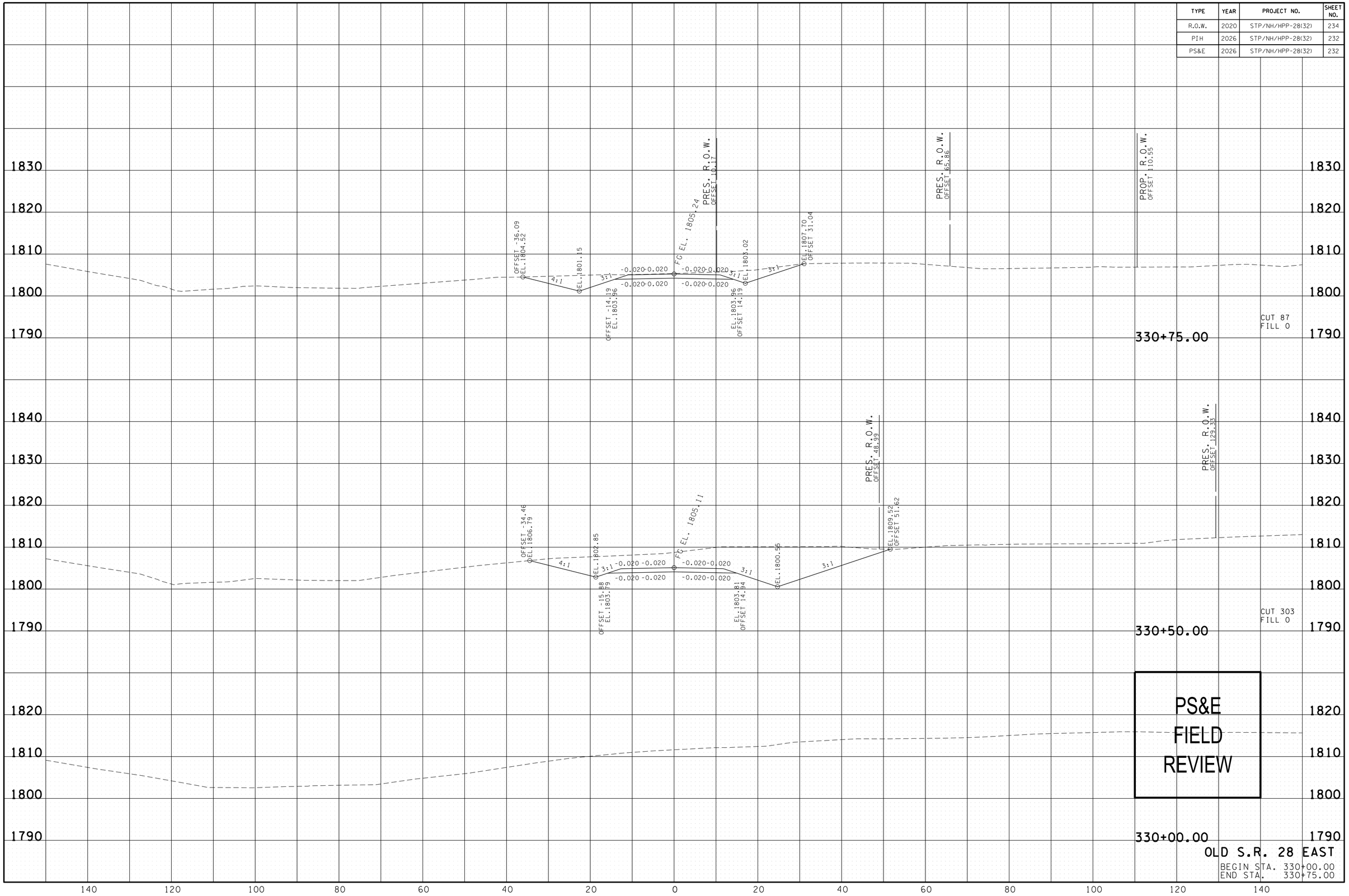
PS&E
FIELD
REVIEW

OLD S.R. 28 WEST

BEGIN STA. 323+75.00
END STA. 324+75.00

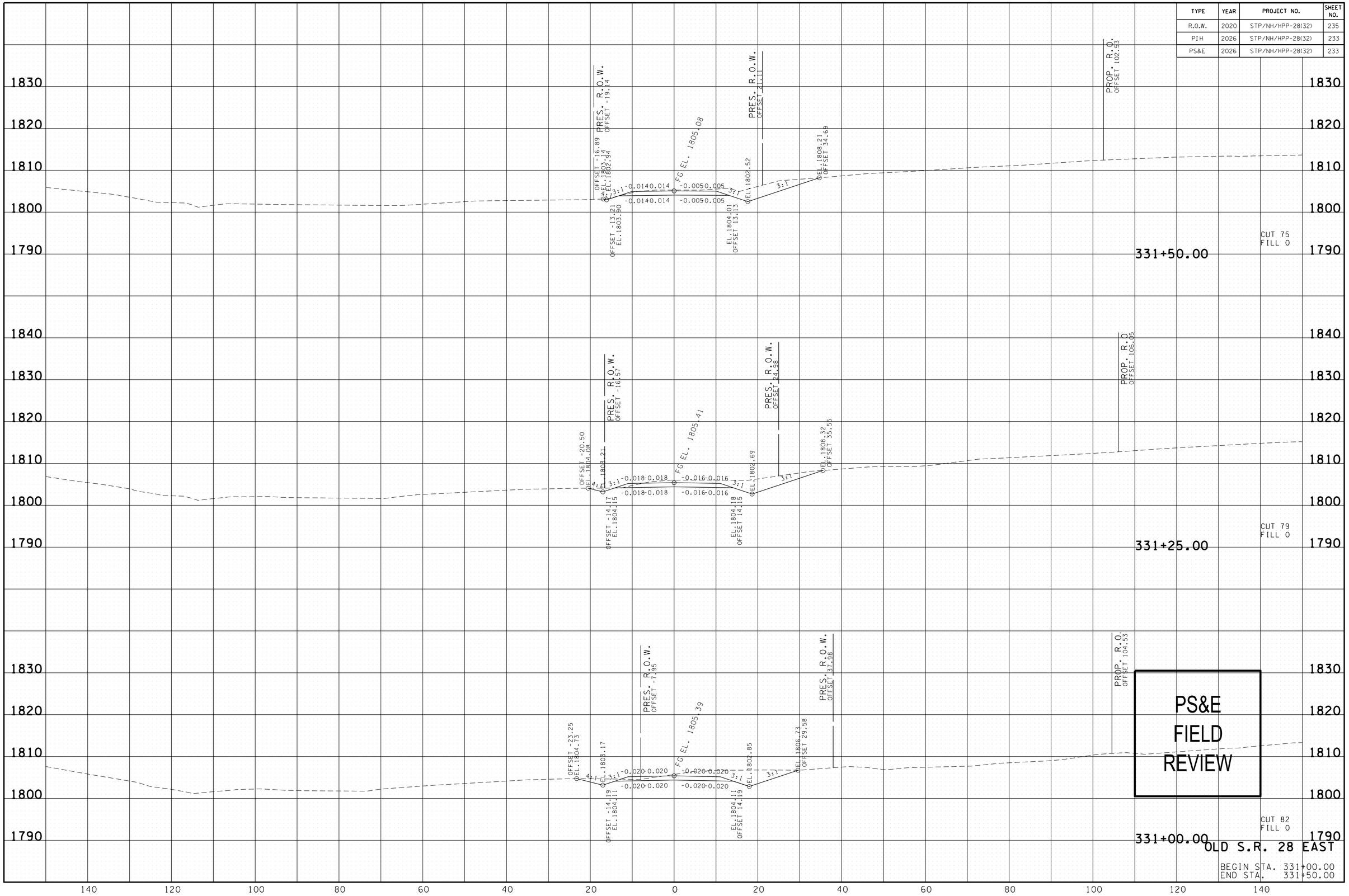
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	234
PIH	2026	STP/NH/HPP-28(32)	232
PS&E	2026	STP/NH/HPP-28(32)	232



1/30/2026
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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)	233



1/30/2026
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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)	234

332+25.00

OFFSET 14.05
EL. 1802.55
EL. 1802.02
3:1
EL. 1804.12
OFFSET 21.94

332+00.00

OFFSET 10.66
EL. 1803.70
3:1
EL. 1802.19
EL. 1806.55
OFFSET 28.

PRES. R.O.W.
OFFSET -19.36

PRES. R.O.W.
OFFSET 20.80

PROP. R.O.W.
OFFSET 103.51

OFFSET -13.96
EL. 1802.85
EL. 1802.19
3:1
-0.008 0.008
-0.008 0.008
OFG EL. 1804.24
EL. 1802.32
3:1
EL. 1805.37
OFFSET 20.32
OFFSET 8.40
EL. 1803.17
EL. 1803.30
OFFSET 8.23

331+80.00

CUT 47
FILL 0

PRES. R.O.W.
OFFSET -19.32

PRES. R.O.W.
OFFSET 20.85

PROP. R.O.W.
OFFSET 103.40

OFFSET -14.36
EL. 1802.90
EL. 1802.35
3:1
-0.009 0.006
-0.009 0.006
OFG EL. 1804.41
EL. 1802.35
3:1
EL. 1807.09
OFFSET 26.66
OFFSET -9.27
EL. 1803.33
-0.009 0.006
EL. 1803.46
OFFSET 9.11

PS&E
FIELD
REVIEW

331+75.00

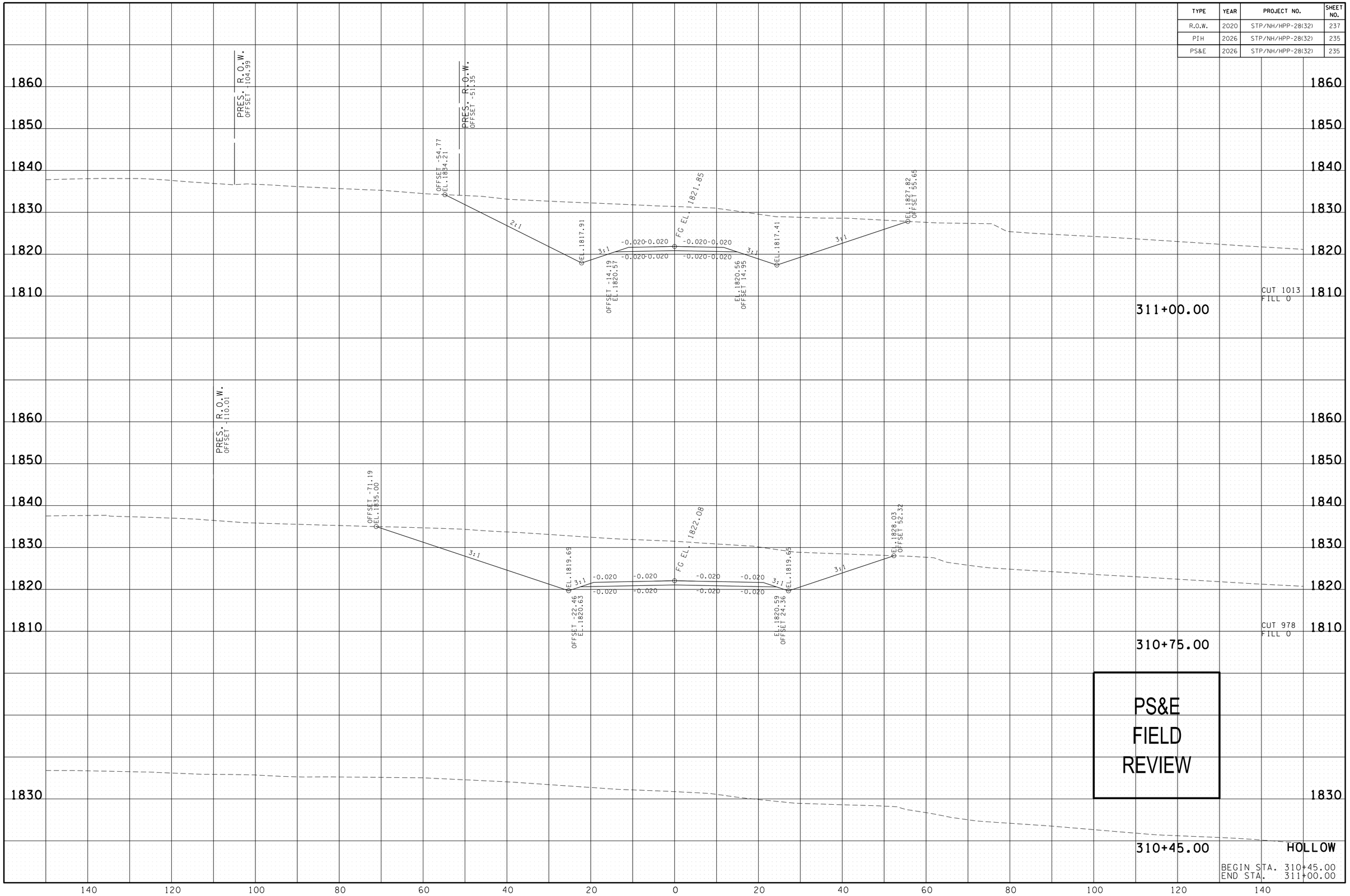
CUT 48
FILL 0

OLD S.R. 28 EAST

BEGIN STA. 331+75.00
END STA. 332+00.00

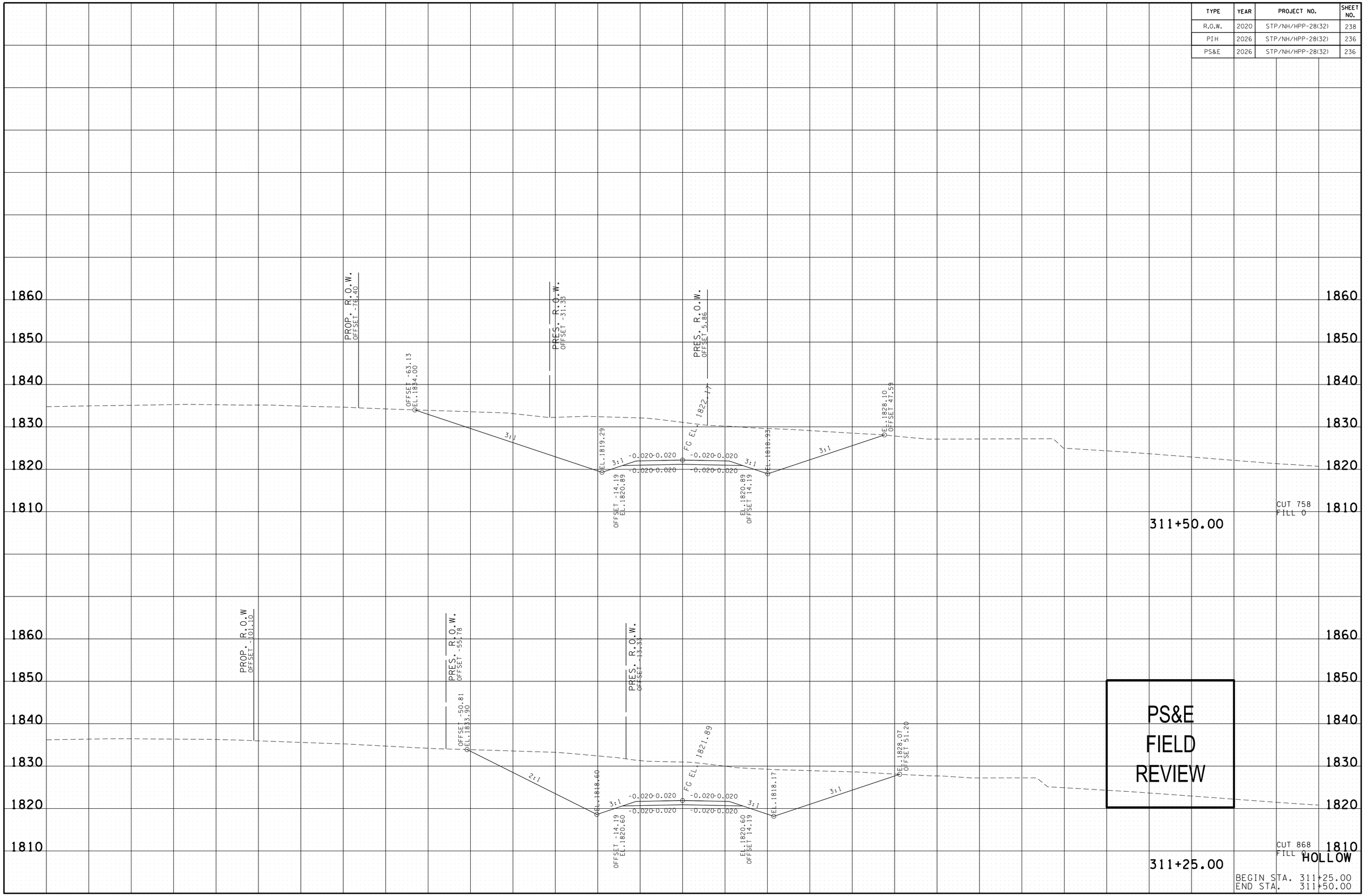
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	237
PIH	2026	STP/NH/HPP-28(32)	235
PS&E	2026	STP/NH/HPP-28(32)	235



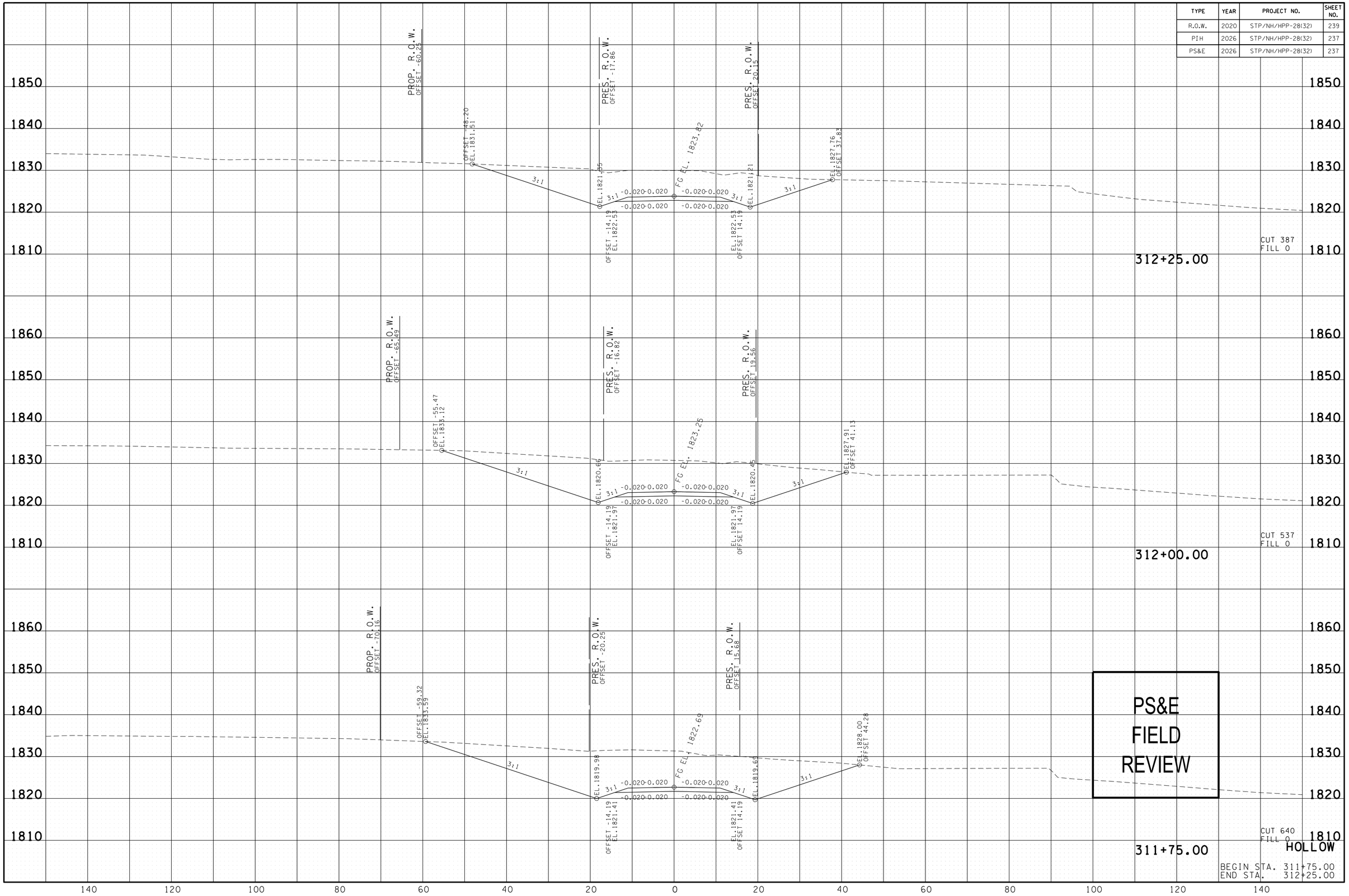
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	238
PIH	2026	STP/NH/HPP-28(32)	236
PS&E	2026	STP/NH/HPP-28(32)	236



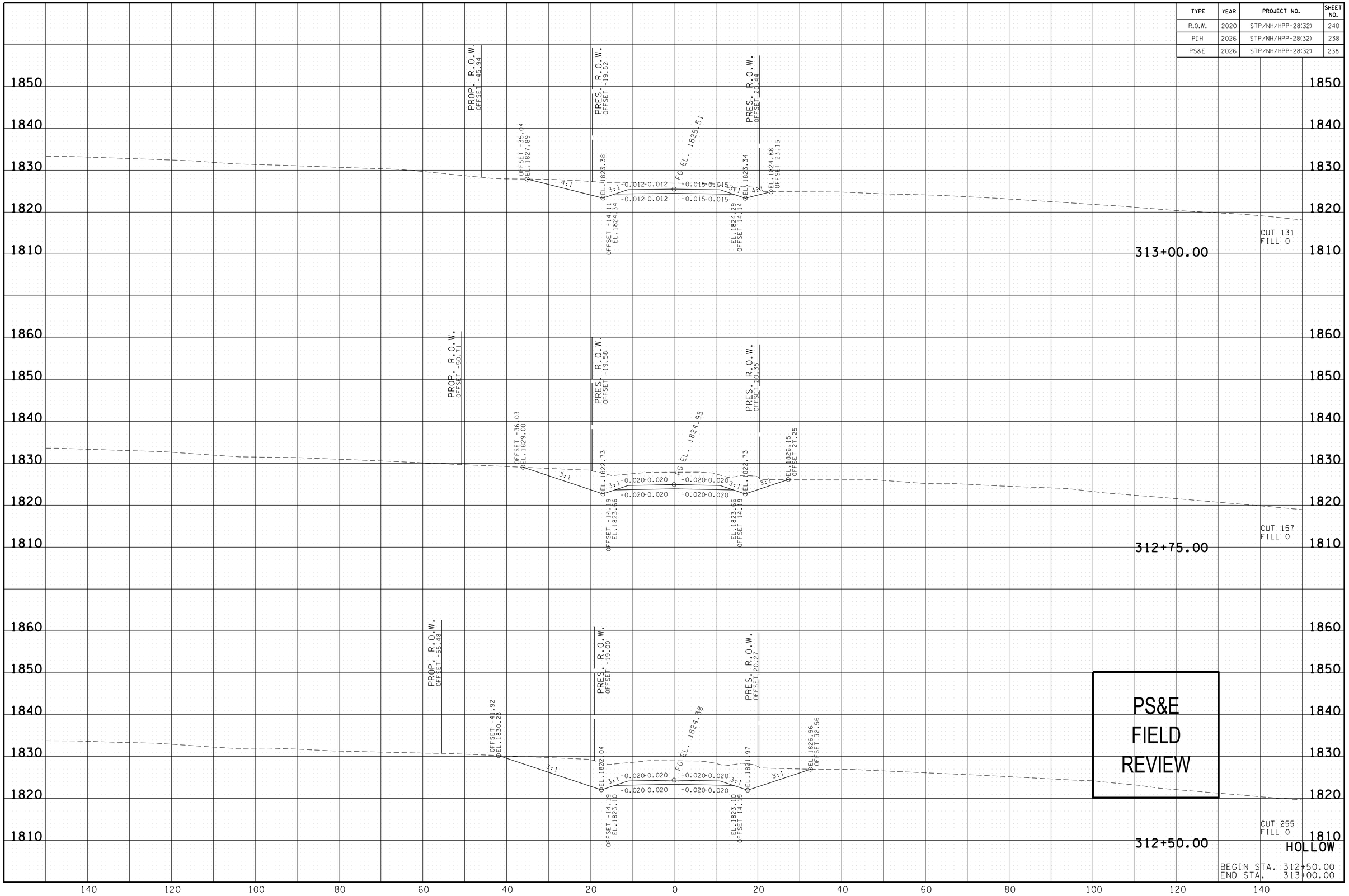
1/30/2026
P:\2009\09009\SanFrastructure\Cad\Geopak\CUSR28Sl derroadXSSheets4.sht

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)	237



1/30/2026
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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)	238



1/30/2026
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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)	239

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. 1824.71
OFFSET 12.43

EL. 1823.74
OFFSET 19.93

4:1

3:1

1:1

-0.004 0.001

-0.004 0.001

-0.009 0.009

-0.009 0.009

PS&E
FIELD
REVIEW

CUT 121
FILL 0

HOLLOW

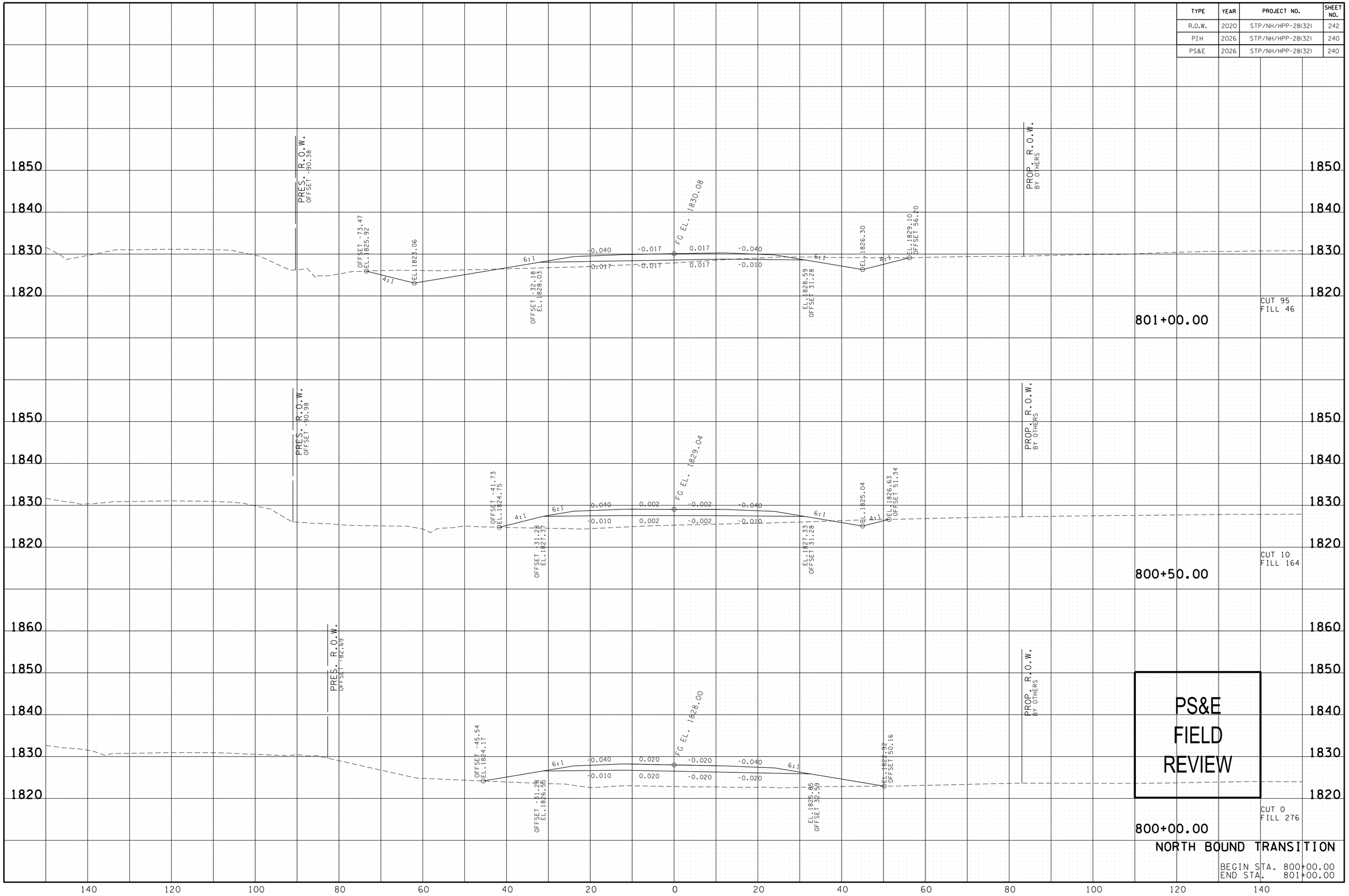
BEGIN STA. 313+25.00
END STA. 313+50.00

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

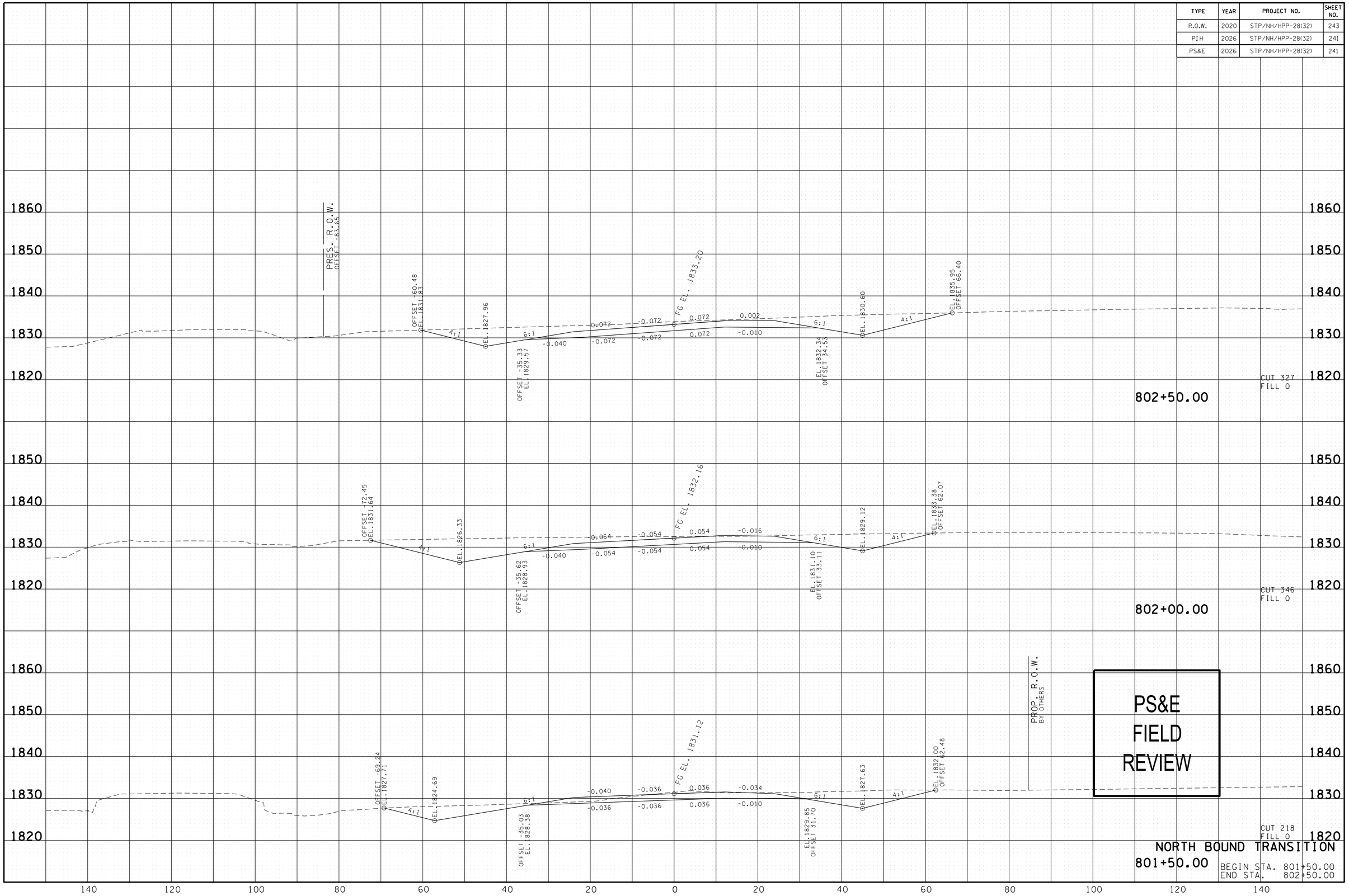
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	242
PIH	2026	STP/NH/HPP-28(32)	240
PS&E	2026	STP/NH/HPP-28(32)	240



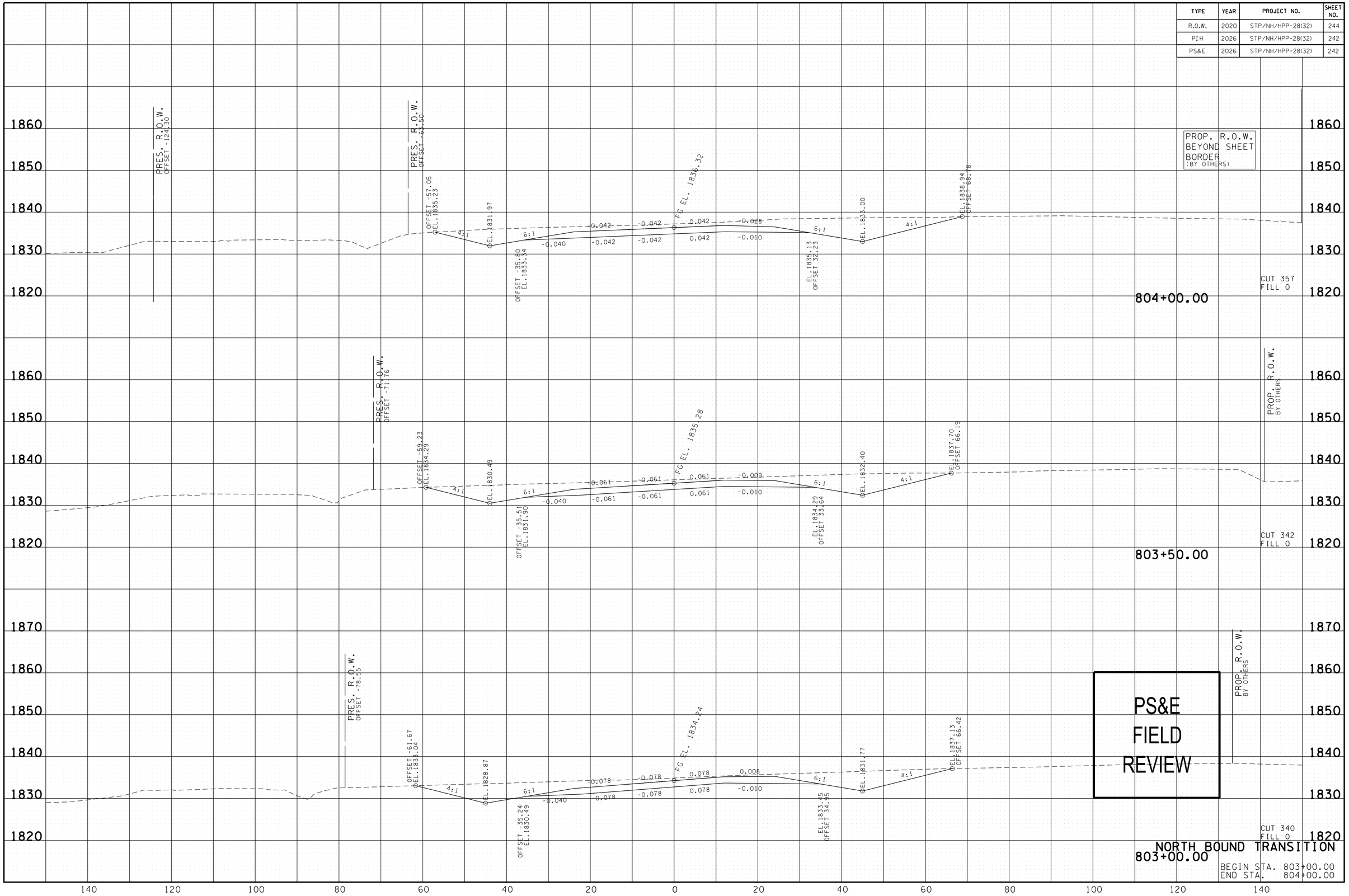
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	243
PIH	2026	STP/NH/HPP-28(32)	241
PS&E	2026	STP/NH/HPP-28(32)	241



1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	244
PIH	2026	STP/NH/HPP-28(32)	242
PS&E	2026	STP/NH/HPP-28(32)	242



1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	245
PIH	2026	STP/NH/HPP-28(32)	243
PS&E	2026	STP/NH/HPP-28(32)	243

PROP. R.O.W. BEYOND SHEET BORDER (BY OTHERS)

PRES. R.O.W. OFFSET -94.56

PRES. R.O.W. OFFSET -34.47

OFFSET -40.44 EL. 1835.90

EL. 1835.04

FG EL. 1839.26

-0.040 -0.020 -0.013 -0.040

-0.020 -0.020 -0.013 -0.013

6:1 4:1 6:1

OFFSET -32.59 EL. 1837.11

EL. 1837.34 OFFSET 31.66

EL. 1835.12

EL. 1840.62 OFFSET 67.01

805+50.00

CUT 155
FILL 5

PROP. R.O.W. BEYOND SHEET BORDER (BY OTHERS)

PRES. R.O.W. OFFSET -105.21

PRES. R.O.W. OFFSET -44.80

OFFSET -49.94 EL. 1835.40

EL. 1834.16

FG EL. 1838.38

-0.040 -0.020 0.005 -0.040

-0.020 -0.020 0.005 -0.010

6:1 4:1 6:1

OFFSET -32.59 EL. 1836.23

EL. 1836.75 OFFSET 31.28

EL. 1834.47

EL. 1840.17 OFFSET 67.80

805+00.00

CUT 258
FILL 0

PROP. R.O.W. BEYOND SHEET BORDER (BY OTHERS)

PRES. R.O.W. OFFSET -115.24

PRES. R.O.W. OFFSET -54.60

OFFSET -54.53 EL. 1835.47

EL. 1839.09

FG EL. 1837.36

-0.040 -0.024 0.024 0.040

-0.024 -0.024 0.024 -0.010

6:1 3:1 6:1

OFFSET -33.16 EL. 1835.07

EL. 1835.95 OFFSET 31.28

EL. 1833.67

EL. 1839.65 OFFSET 62.94

PS&E FIELD REVIEW

804+50.00

CUT 303
FILL 0

NORTH BOUND TRANSITION

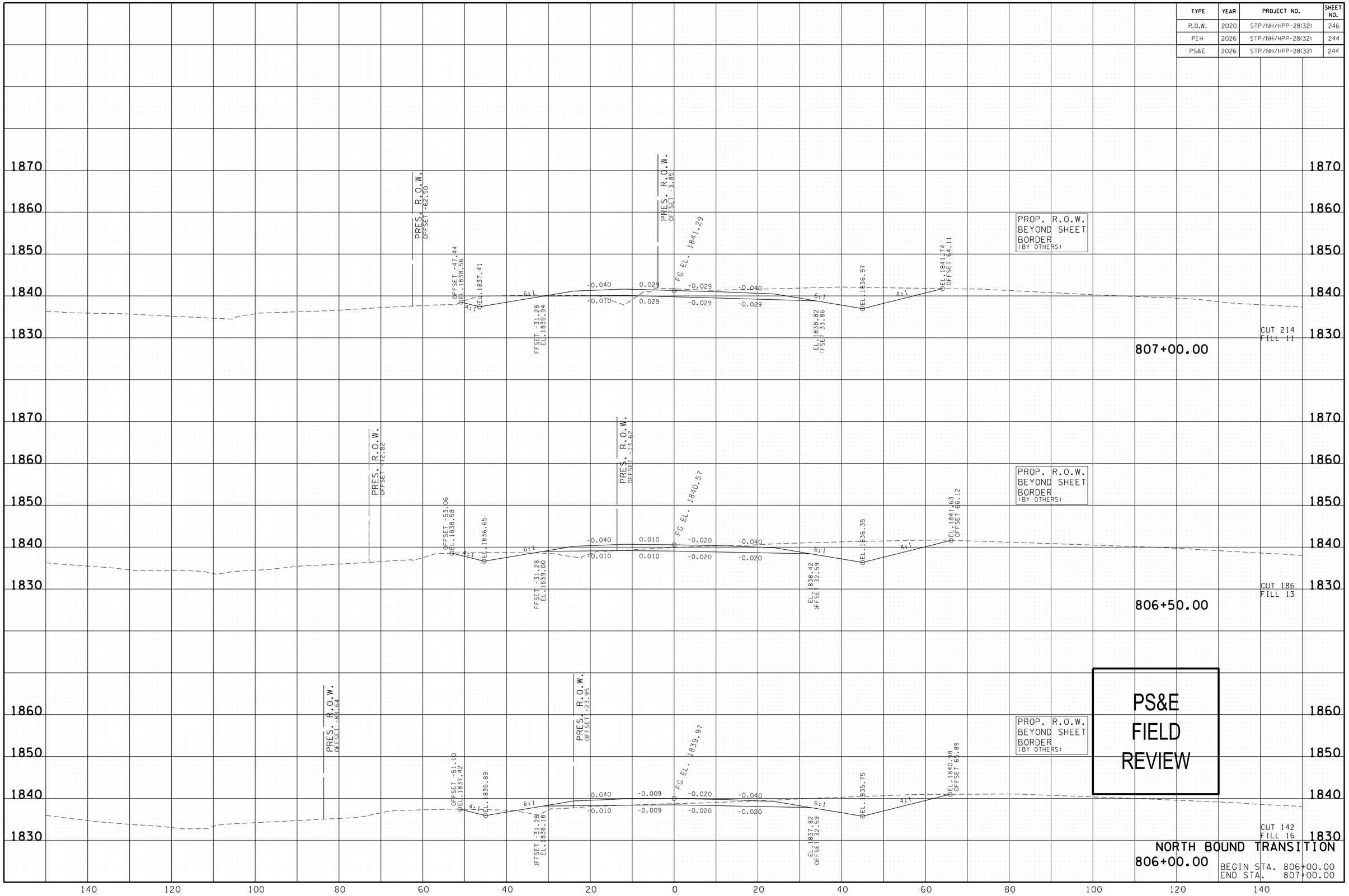
BEGIN STA. 804+50.00
END STA. 805+50.00

1860 1850 1840 1830

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

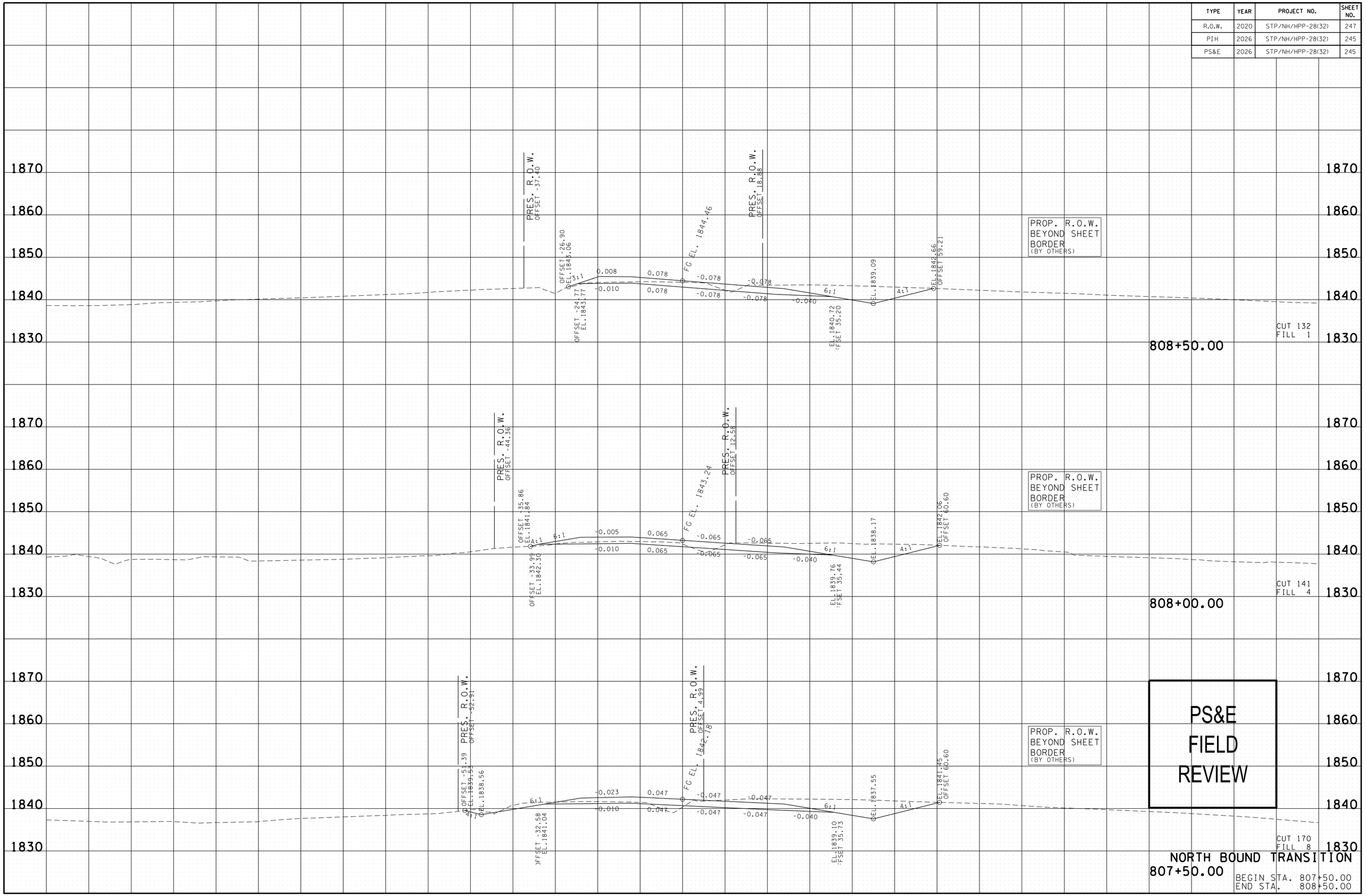
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	246
PIH	2026	STP/NH/HPP-28(32)	244
PS&E	2026	STP/NH/HPP-28(32)	244



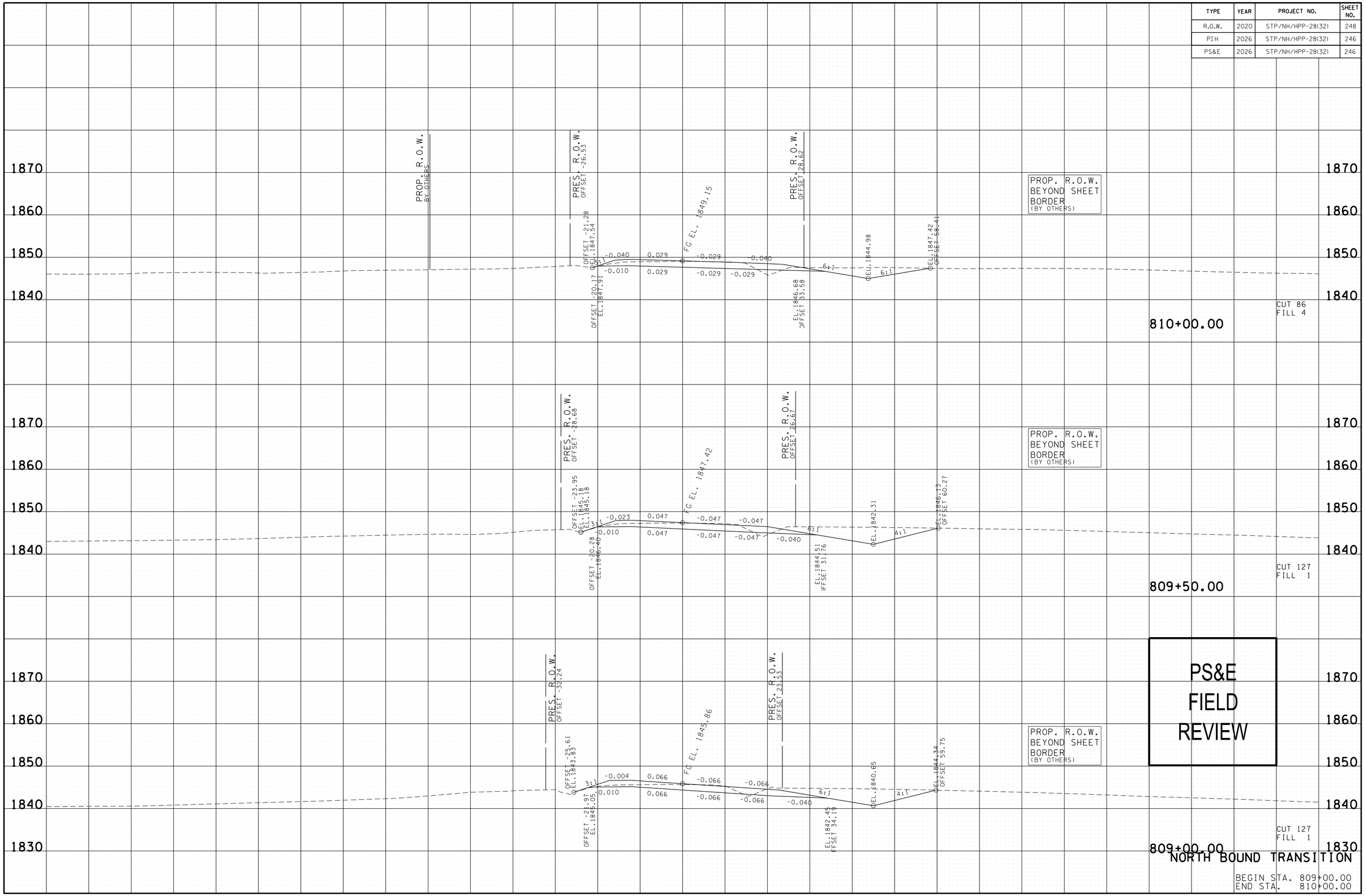
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	247
PIH	2026	STP/NH/HPP-28(32)	245
PS&E	2026	STP/NH/HPP-28(32)	245



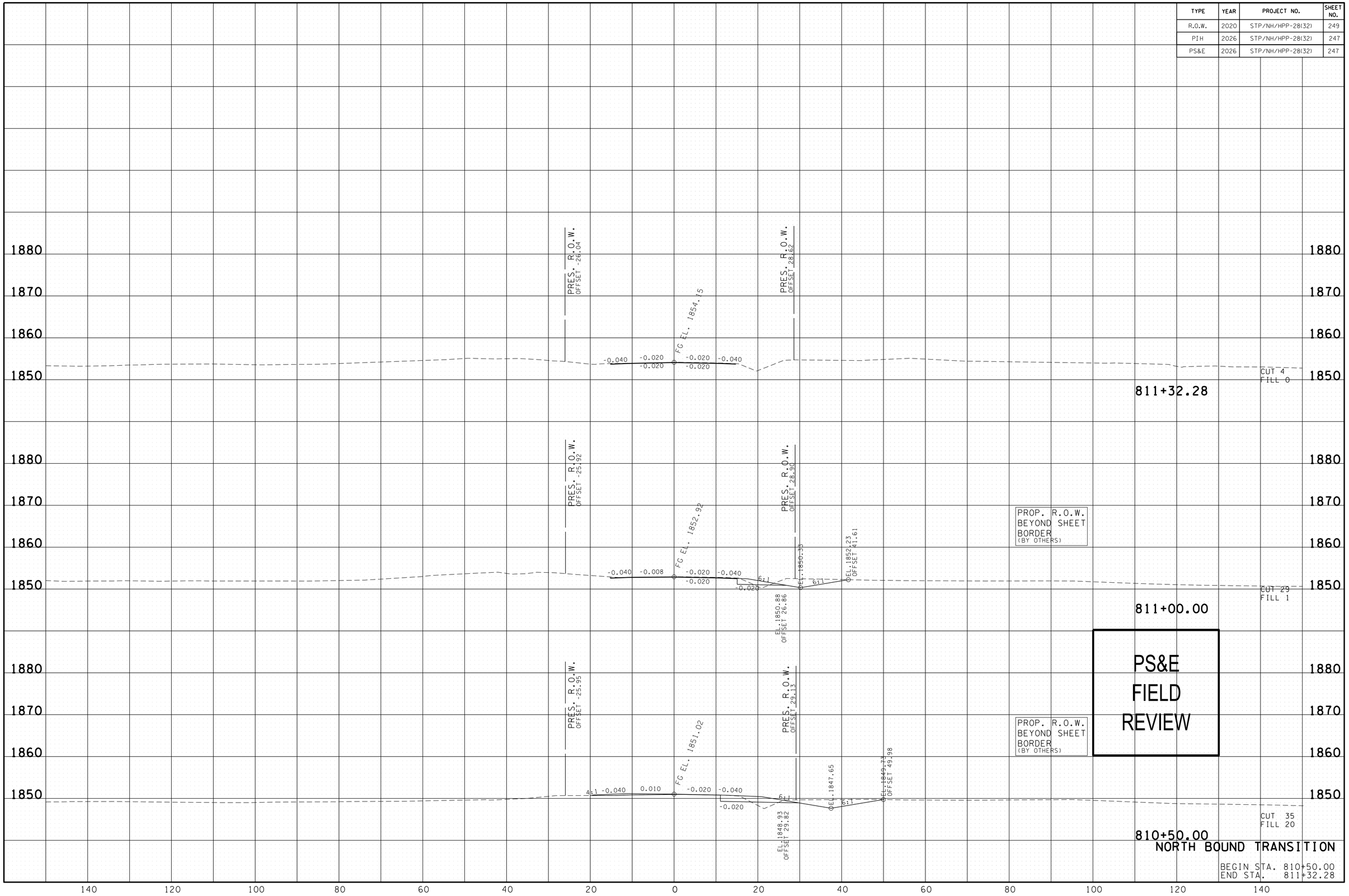
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	248
PIH	2026	STP/NH/HPP-28(32)	246
PS&E	2026	STP/NH/HPP-28(32)	246



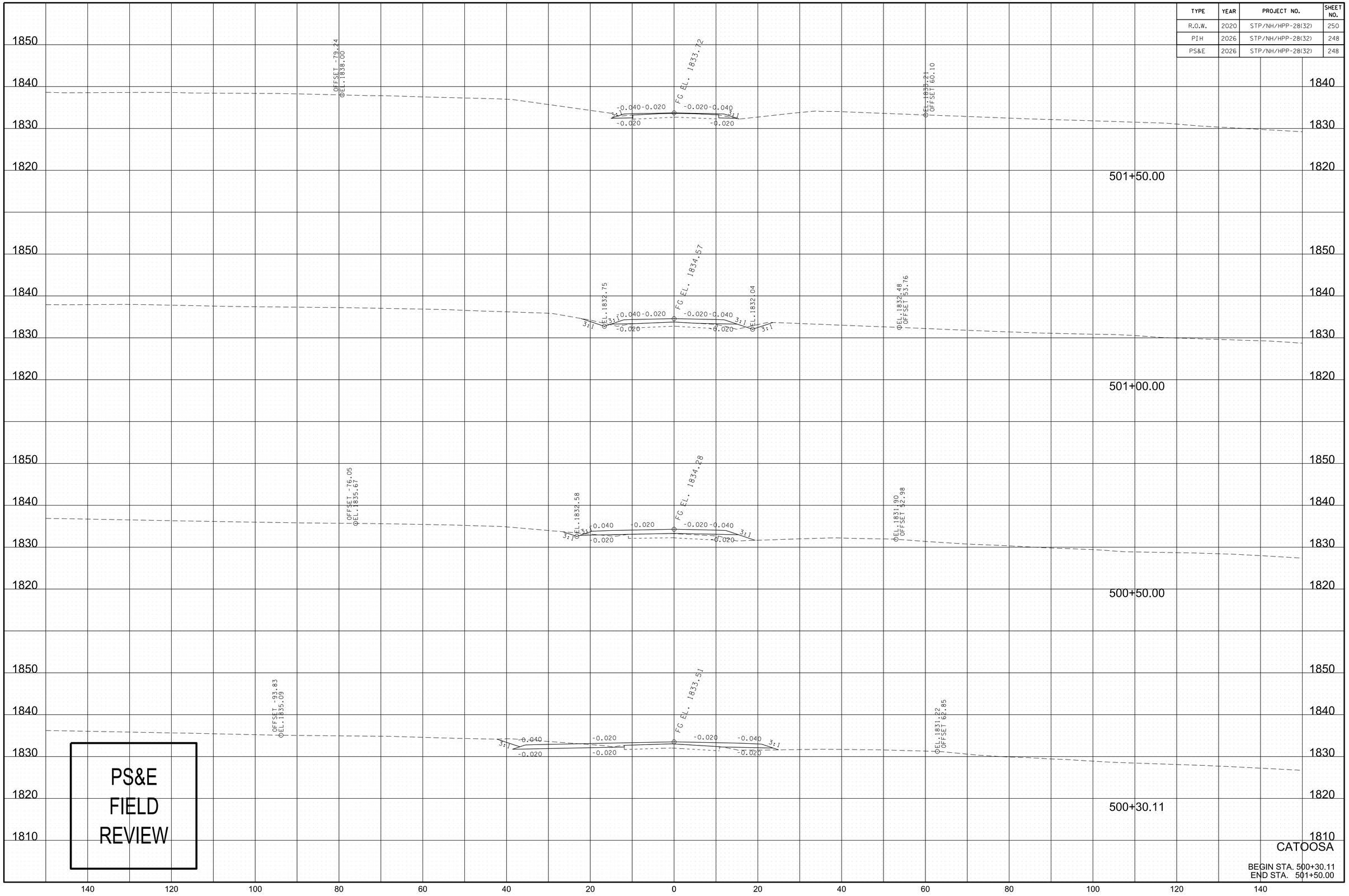
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	249
PIH	2026	STP/NH/HPP-28(32)	247
PS&E	2026	STP/NH/HPP-28(32)	247



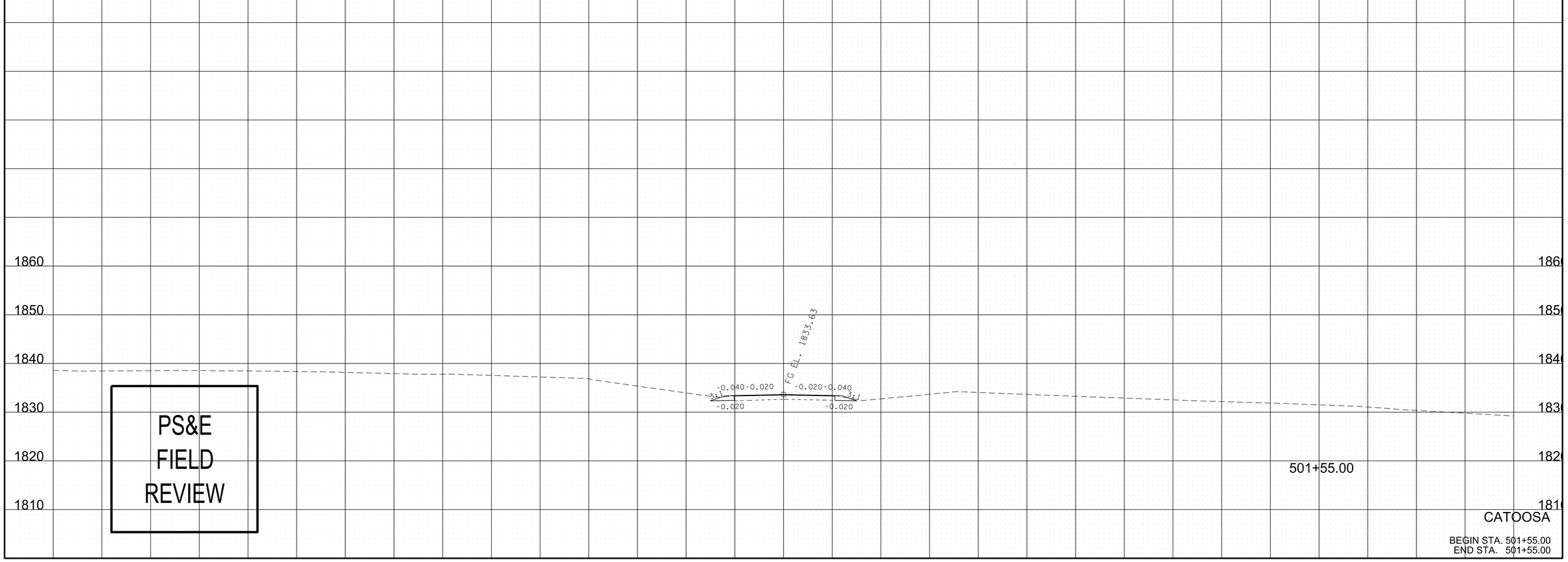
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	250
PIH	2026	STP/NH/HPP-28(32)	248
PS&E	2026	STP/NH/HPP-28(32)	248



1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	251
PIH	2026	STP/NH/HPP-28(32)	249
PS&E	2026	STP/NH/HPP-28(32)	249



PS&E
FIELD
REVIEW

CATOOSA

BEGIN STA. 501+55.00
END STA. 501+55.00

1/30/2026
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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.

PS&E FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL

IB-17-11

1/30/2026

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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

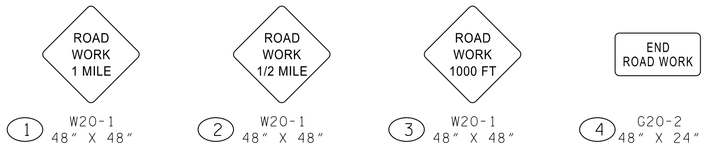
1) INSTALL PHASE 2 TRAFFIC CONTROL SIGNS, CHANNELIZING DRUMS, AND PORTABLE BARRIER RAIL.
2) MAINTAIN TRAFFIC ON THE TEMPORARY TRANSITIONS, DETOUR 1, AND THE EXISTING FACILITY.
3) CONSTRUCT THE PROPOSED FACILITY FROM THE BEGINNING OF PROJECT THROUGH STA. 1311+00.00.
4) CONSTRUCT THE PROPOSED FACILITY 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.



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"

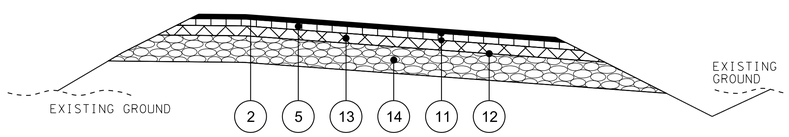


13 TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS
SEE TDOT STANDARD DRAWING T-S-18

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

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	**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.
13	**BITUMINOUS BINDER COURSE @ 3.00" THICK (APPROX. 345 LB./S.Y.)** 307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "A"
14	**MINERAL AGGREGATE 8" THICK (APPROX. 645 LB./S.Y.)** 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	M.U.T.C.D. NO.	UNITS	PHASE 1	PHASE 2	PHASE 3	MAX. OR TOTAL
712-01	TRAFFIC CONTROL	-------	L.S.	1	1	1	1
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.		295	140	295
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	5		9
		G20-2	S.F.	24	49	23	49
		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.	144	129	45	144
712-06	TOTAL SQUARE FOOTAGE SIGNS						646
712-07.03	TEMPORARY BARRICADES (TYPE III)	-------	L.F.	24	384	240	384
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

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

PS&E FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PHASING NOTES, LEGEND AND TABULATION

IB-17-11
1/30/2026
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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

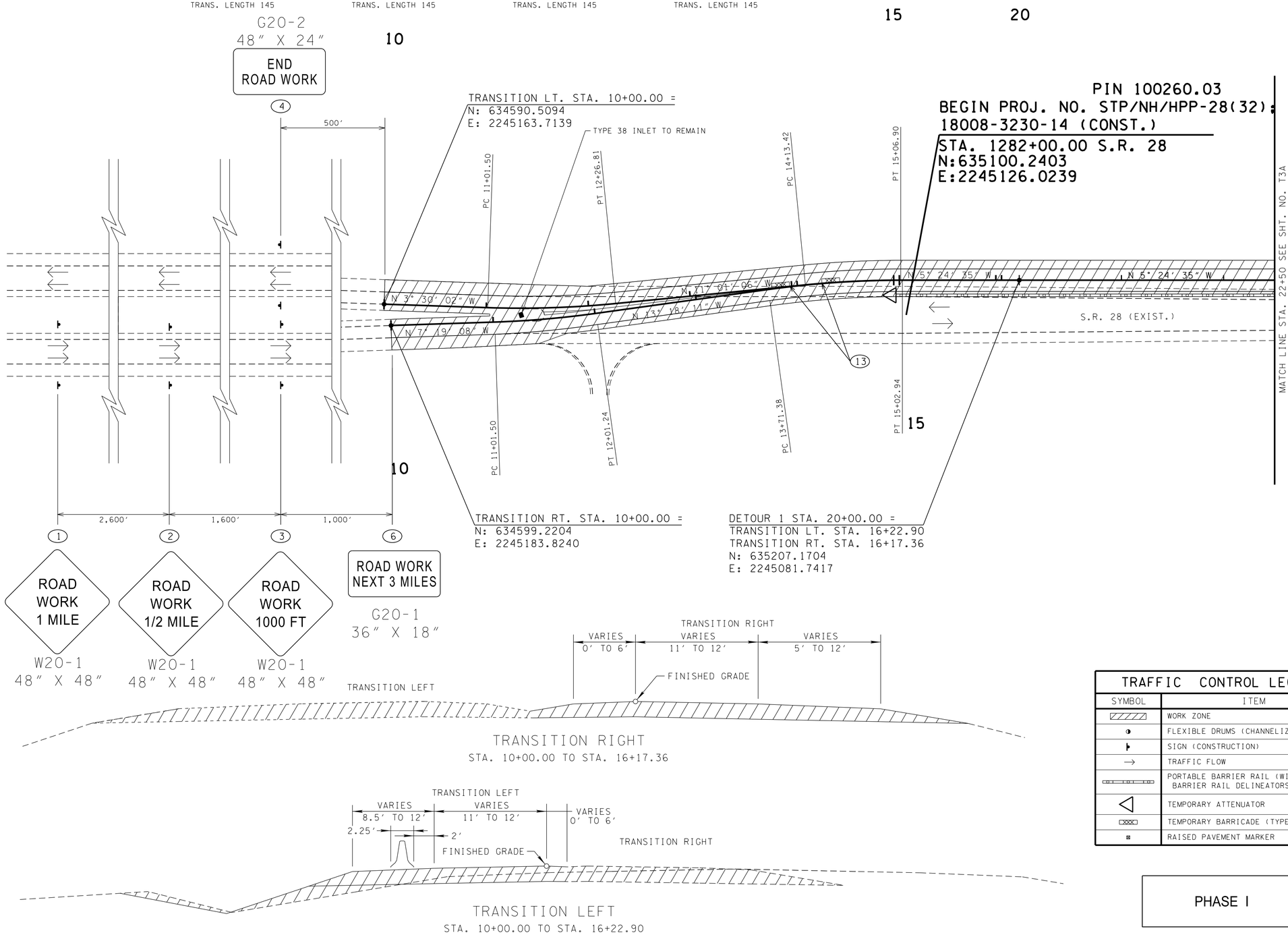
CURVE SB_TRANSLT-1
PI 11+64.24
N 634,754.4477
E 2,245,153.6854
Δ 7° 31′ 04″ (LT)
D 5° 59′ 58″
R 955.00
L 125.31
T 62.74
SE 0.052 FT/FT
DESIGN SPEED 35 MPH
TRANS. LENGTH 145

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





TRANSITION RIGHT
STA. 10+00.00 TO STA. 16+17.36

TRANSITION LEFT
STA. 10+00.00 TO STA. 16+22.90

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

PS&E
FIELD
REVIEW

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

TRAFFIC CONTROL PLANS

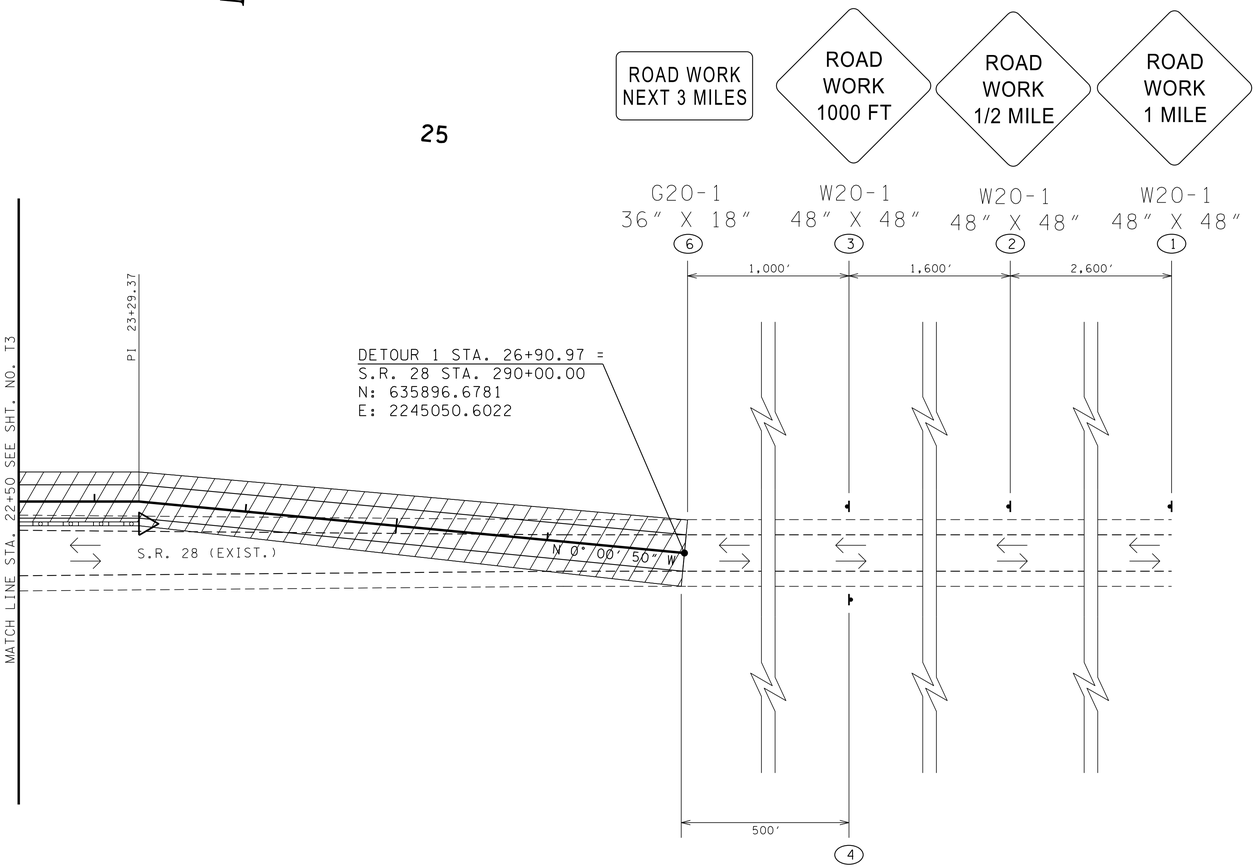
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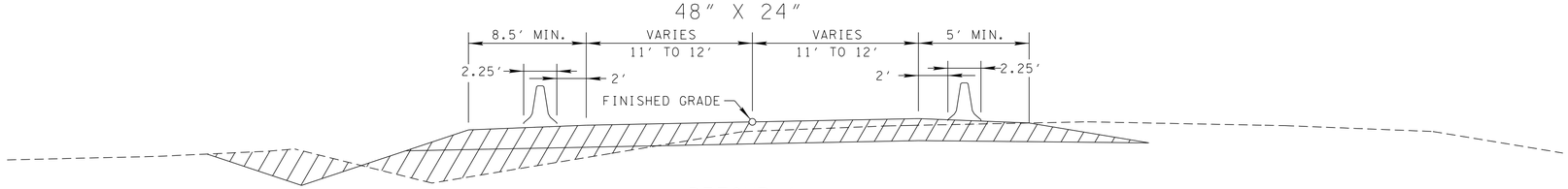
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	52A
PIH	2026	STP/NH/HPP-28(32)	T3A
PS&E	2026	STP/NH/HPP-28(32)	T3A

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

PS&E FIELD REVIEW

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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

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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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

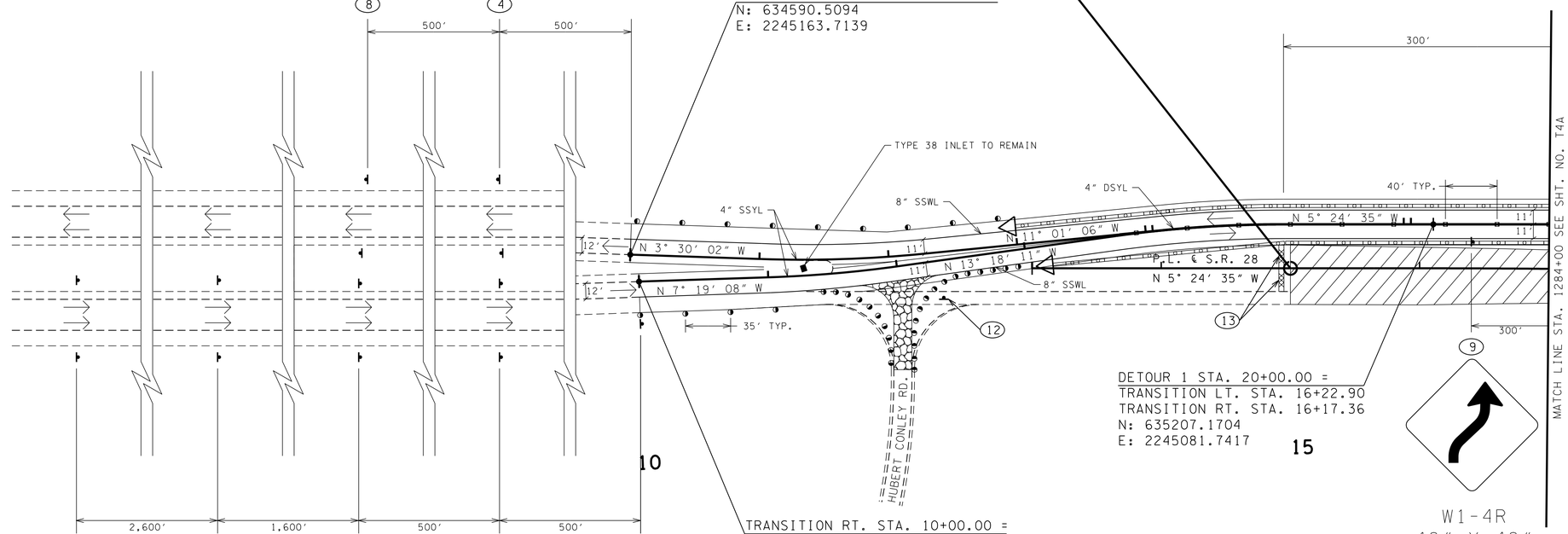
R2-1
30" X 36"

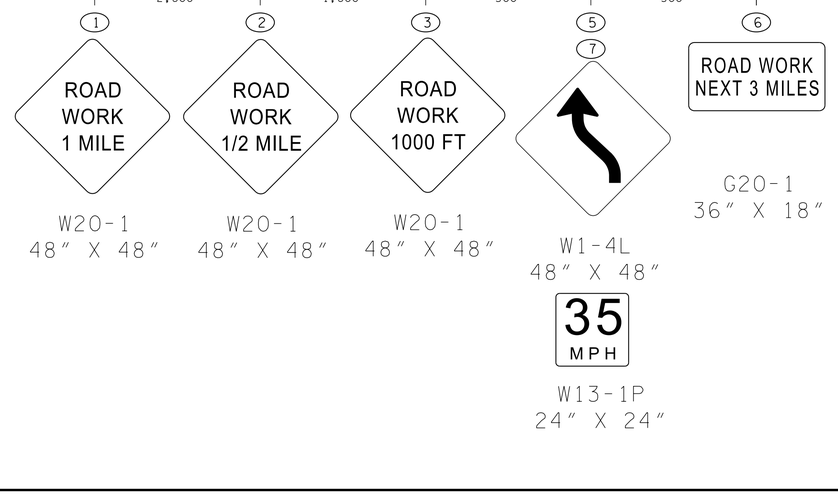
G20-2
48" X 24"

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





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. SIZE (AS DIRECTED BY ENGINEER)	TEMPORARY CONNECTIONS FOR ALL DRIVEWAYS AND SIDEROADS SHALL BE MAINTAINED AT ALL TIMES WITH DRIVEABLE GRADES & SURFACES

PHASE II

PS&E FIELD REVIEW

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

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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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

N

1285

W1-4L
48" X 48"

35 MPH
W13-1P
24" X 24"

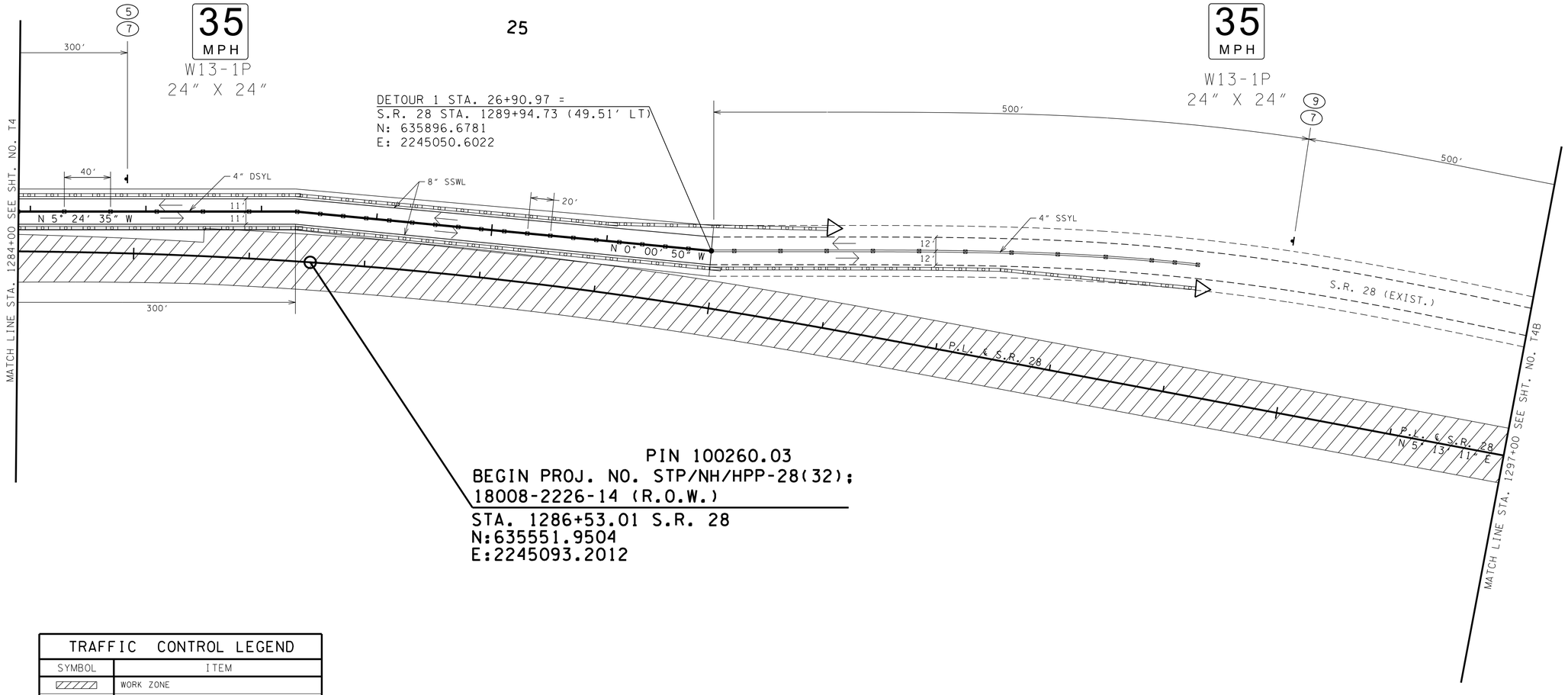
1290

25

1295

W1-4R
48" X 48"

35 MPH
W13-1P
24" X 24"



DETOUR 1 STA. 26+90.97 =
S.R. 28 STA. 1289+94.73 (49.51' LT)
N: 635896.6781
E: 2245050.6022

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

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

PS&E
FIELD
REVIEW

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

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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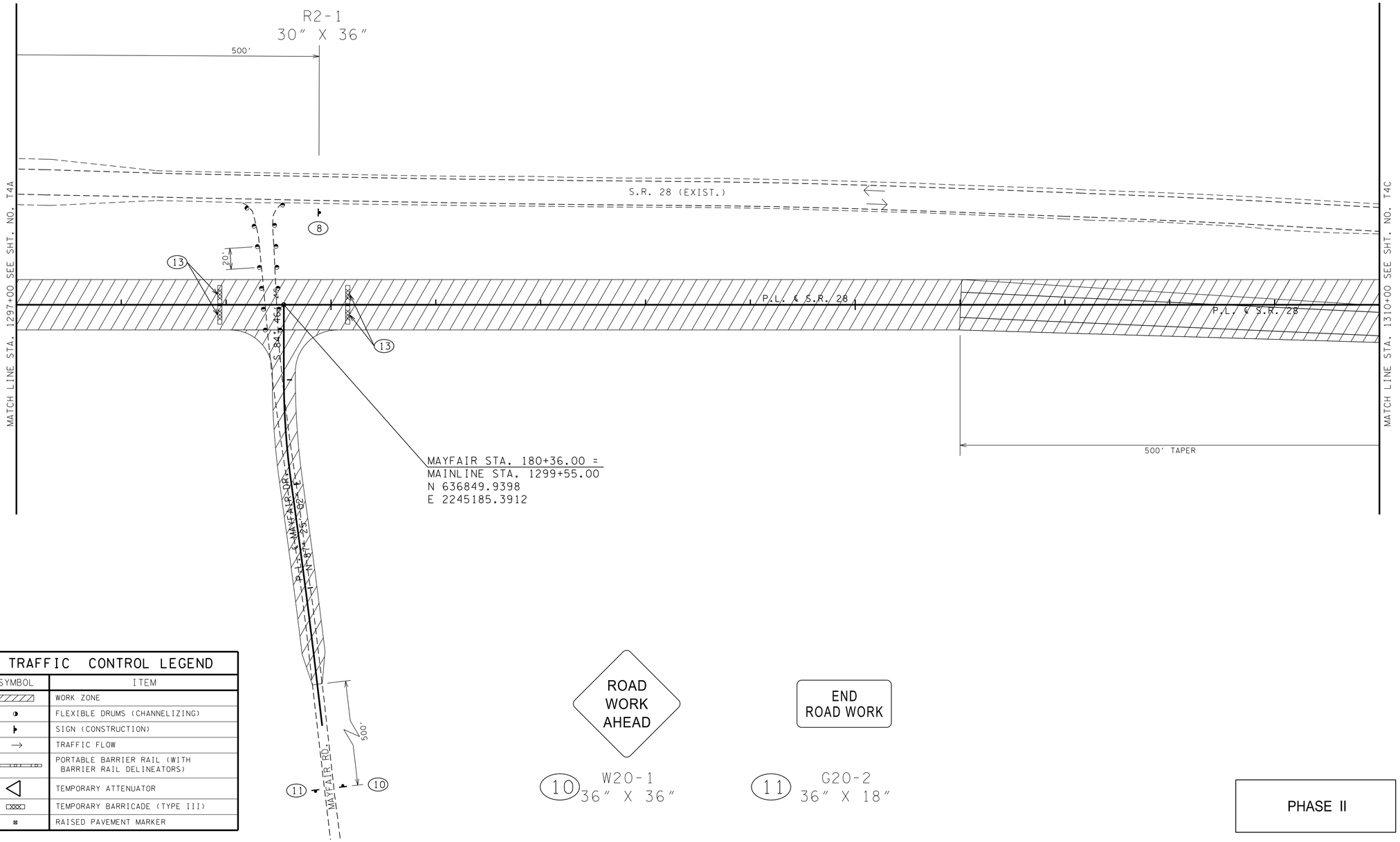
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53B
PIH	2026	STP/NH/HPP-28(32)	T4B
PS&E	2026	STP/NH/HPP-28(32)	T4B



1300

1305





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"

PHASE II

PS&E
FIELD
REVIEW

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

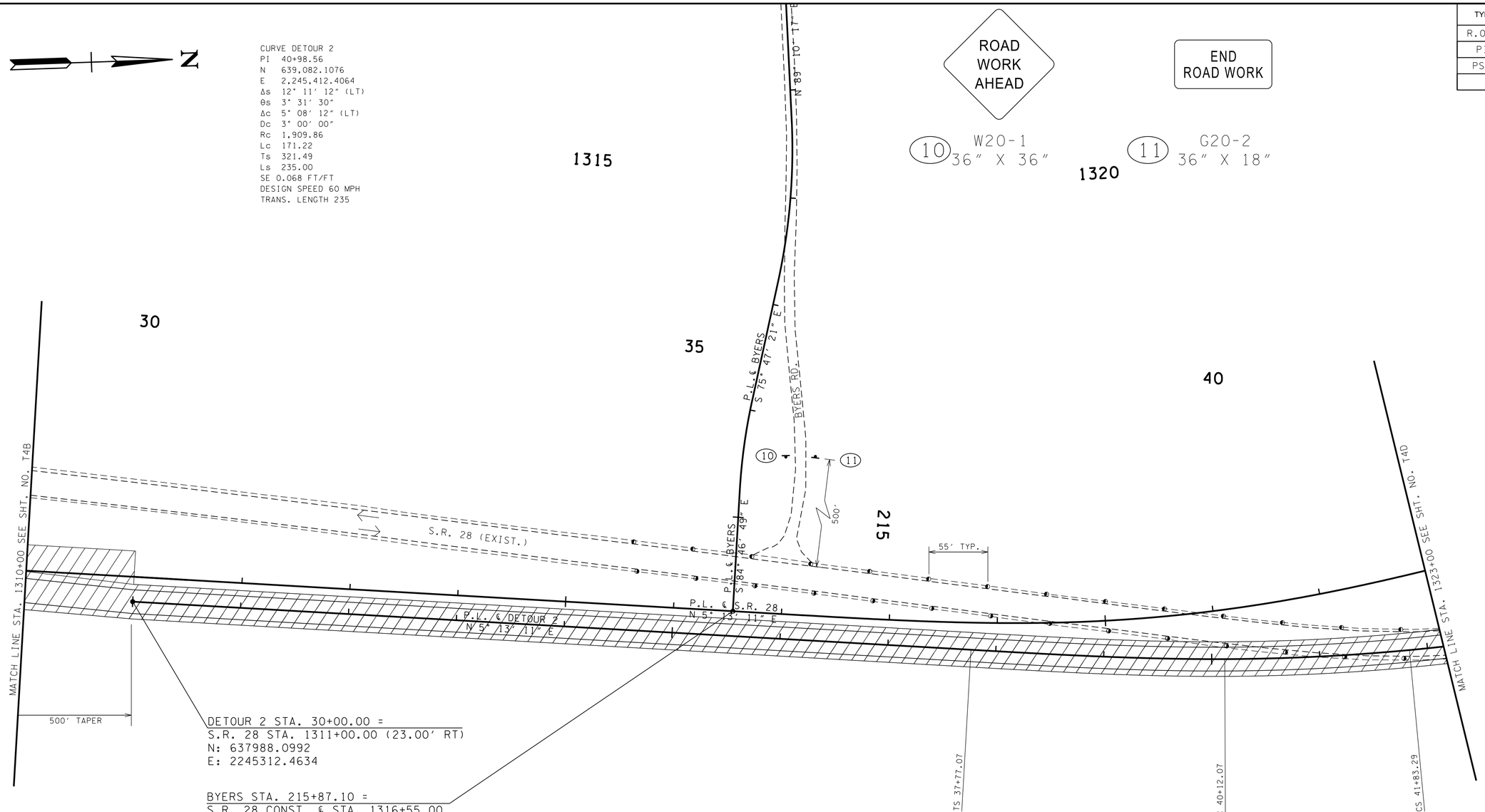
TRAFFIC
CONTROL
PLANS

SCALE: 1"= 50'

1/30/2026
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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

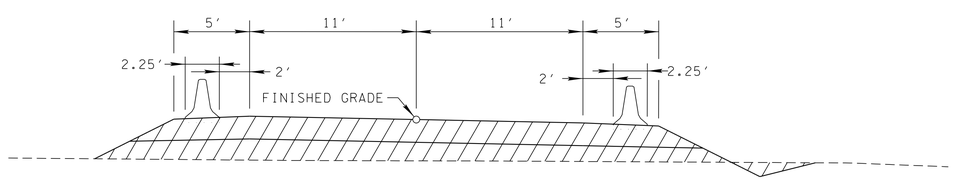


DETOUR 2 STA. 30+00.00 =
S.R. 28 STA. 1311+00.00 (23.00′ RT)
N: 637988.0992
E: 2245312.4634

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

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

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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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.L. ℄ 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.L. ℄ OLD S.R. 28
N 84° 25' 13" E

S 85° 05' 52" E

305

245

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

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

PS&E FIELD REVIEW

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

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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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

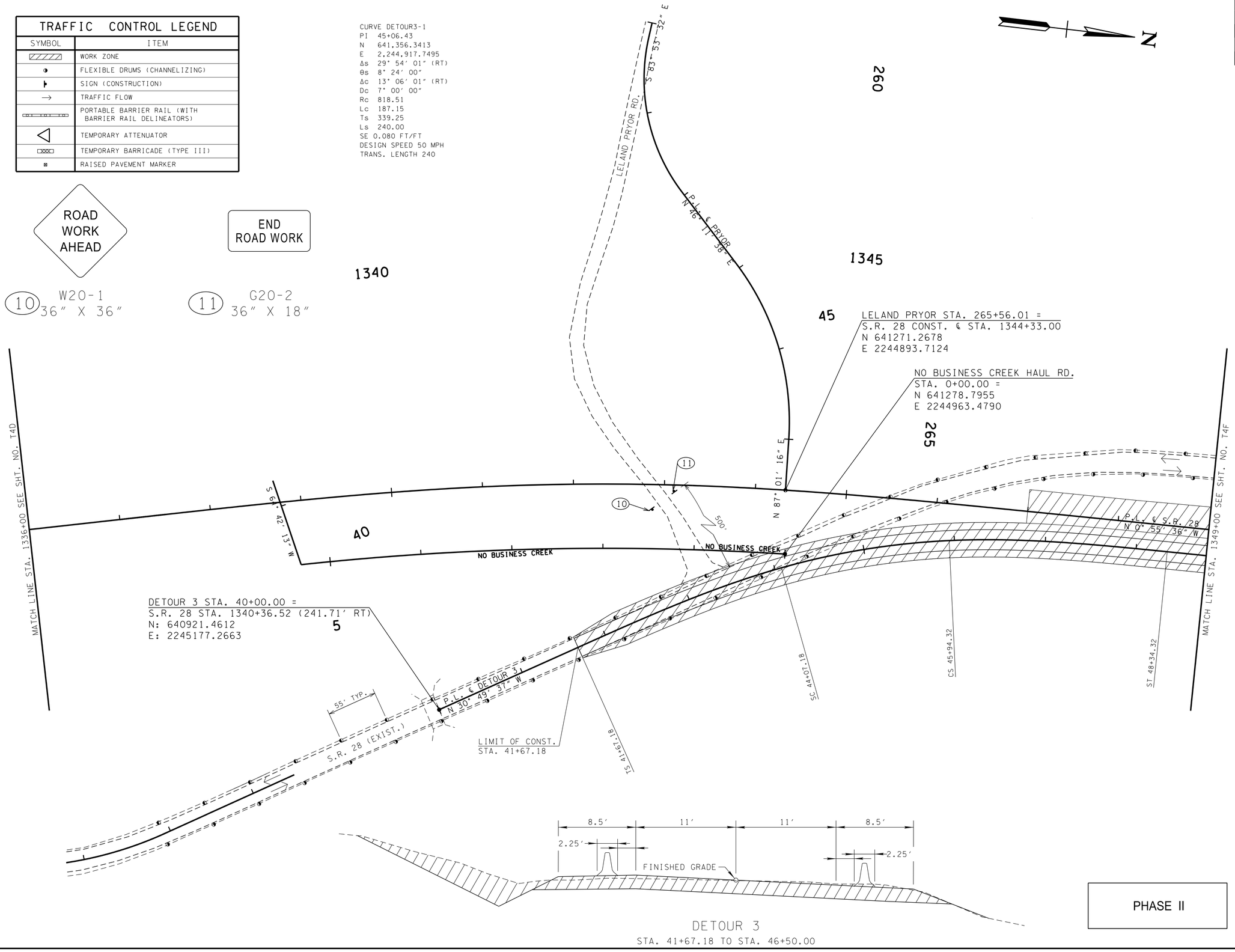
(10) W20-1 36" X 36"

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

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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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

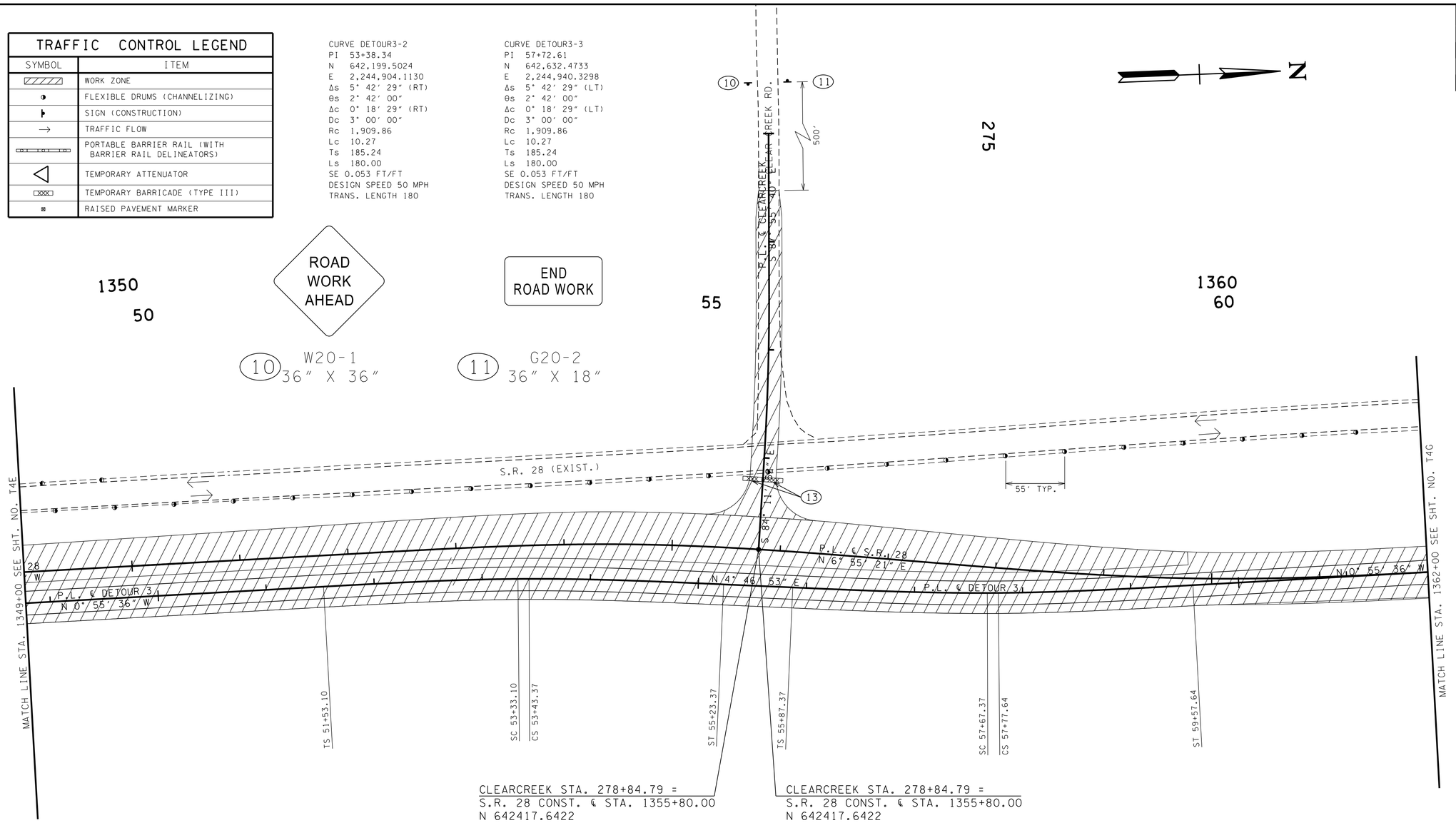
CURVE DETOUR3-3
PI 57+72.61
N 642,632.4733
E 2,244,940.3298
Δs 5° 42′ 29″ (LT)
θs 2° 42′ 00″
Δc 0° 18′ 29″ (LT)
Dc 3° 00′ 00″
Rc 1,909.86
Lc 10.27
Ts 185.24
Ls 180.00
SE 0.053 FT/FT
DESIGN SPEED 50 MPH
TRANS. LENGTH 180

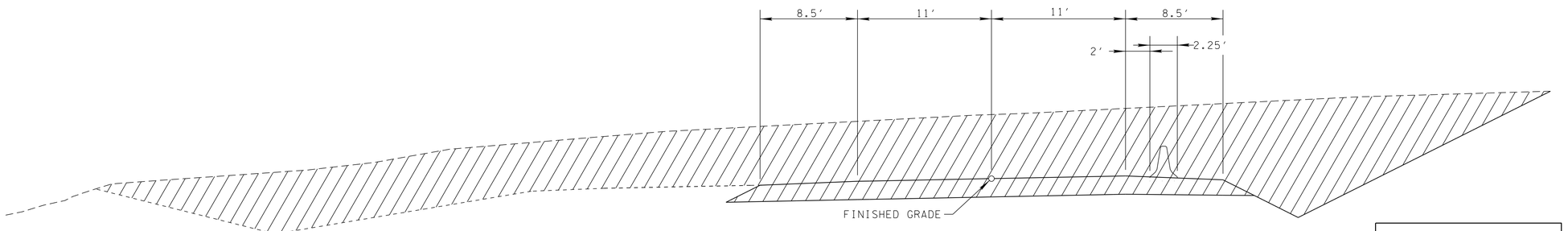
ROAD WORK AHEAD

END ROAD WORK

(10) W20-1 36″ X 36″

(11) G20-2 36″ X 18″





DETOUR 3
STA. 46+50.00 TO STA. 62+14.40

PHASE II

PS&E FIELD REVIEW

SEALED BY

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

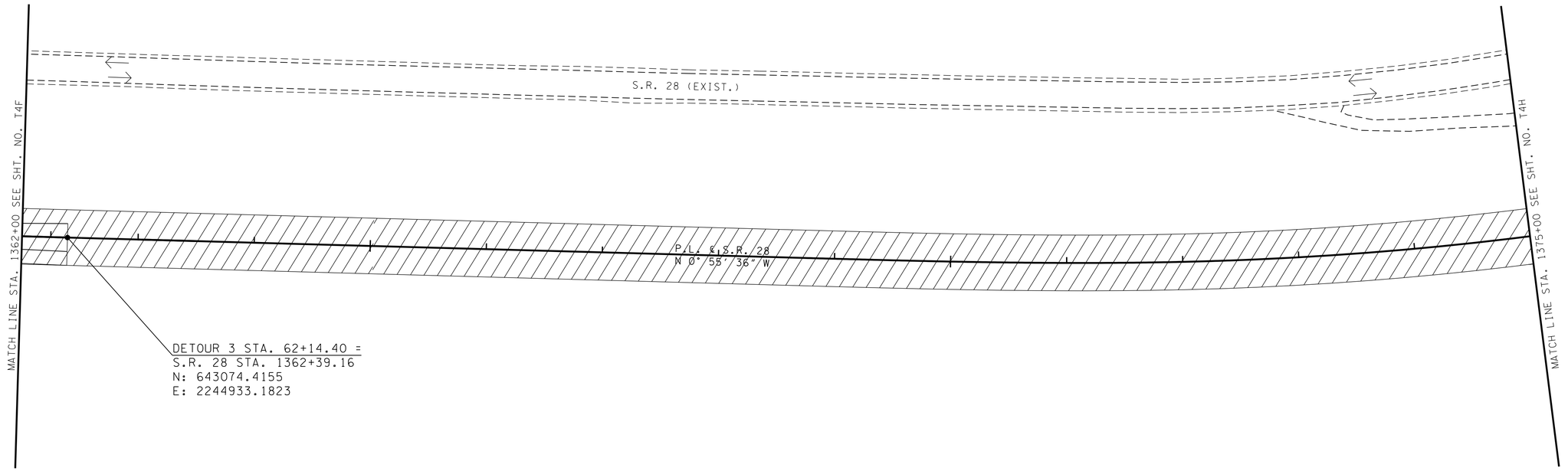
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53G
PIH	2026	STP/NH/HPP-28(32)	T4G
PS&E	2026	STP/NH/HPP-28(32)	T4G

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

PS&E FIELD REVIEW

SEALED BY

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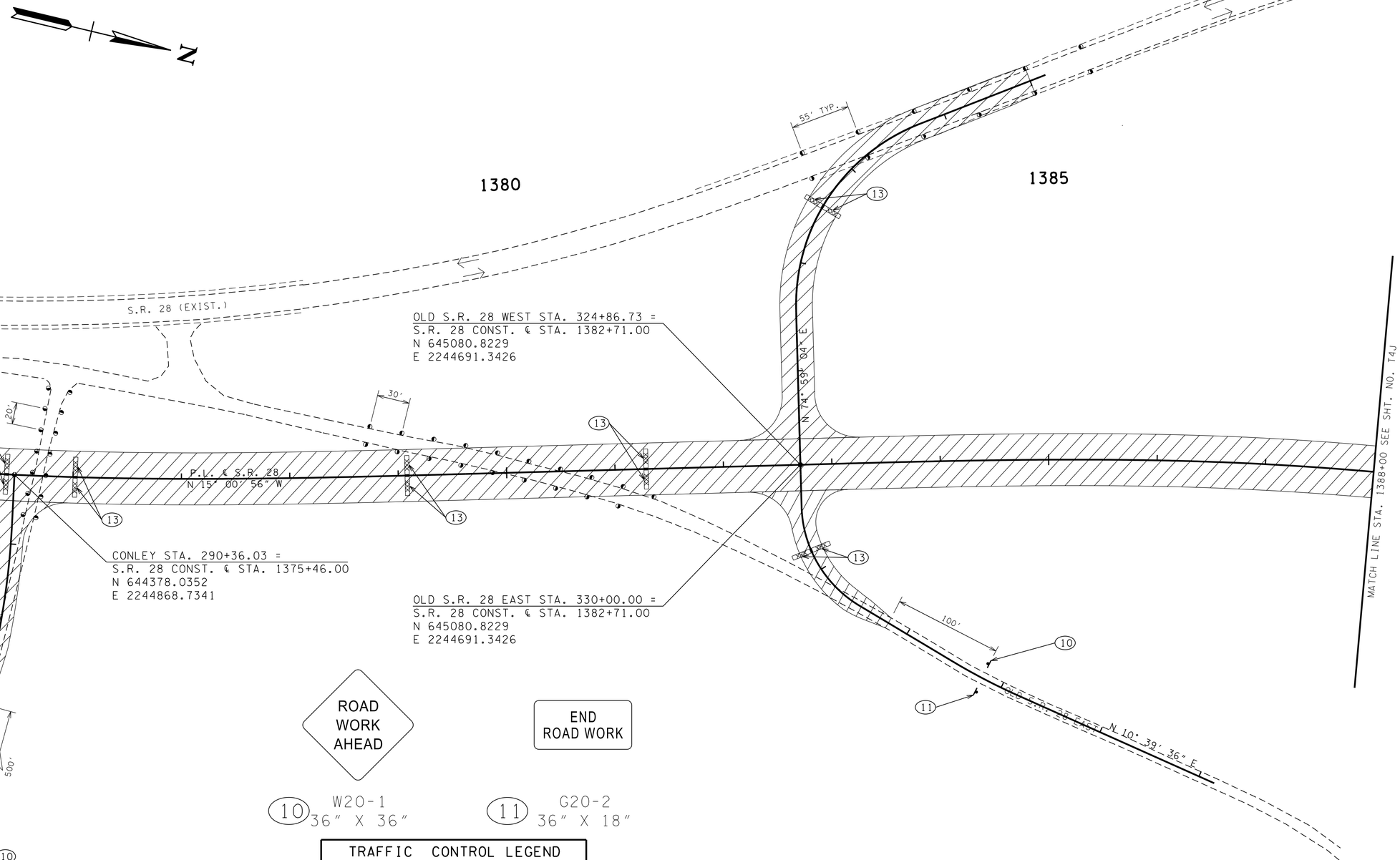
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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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



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

PS&E FIELD REVIEW

SEALED BY

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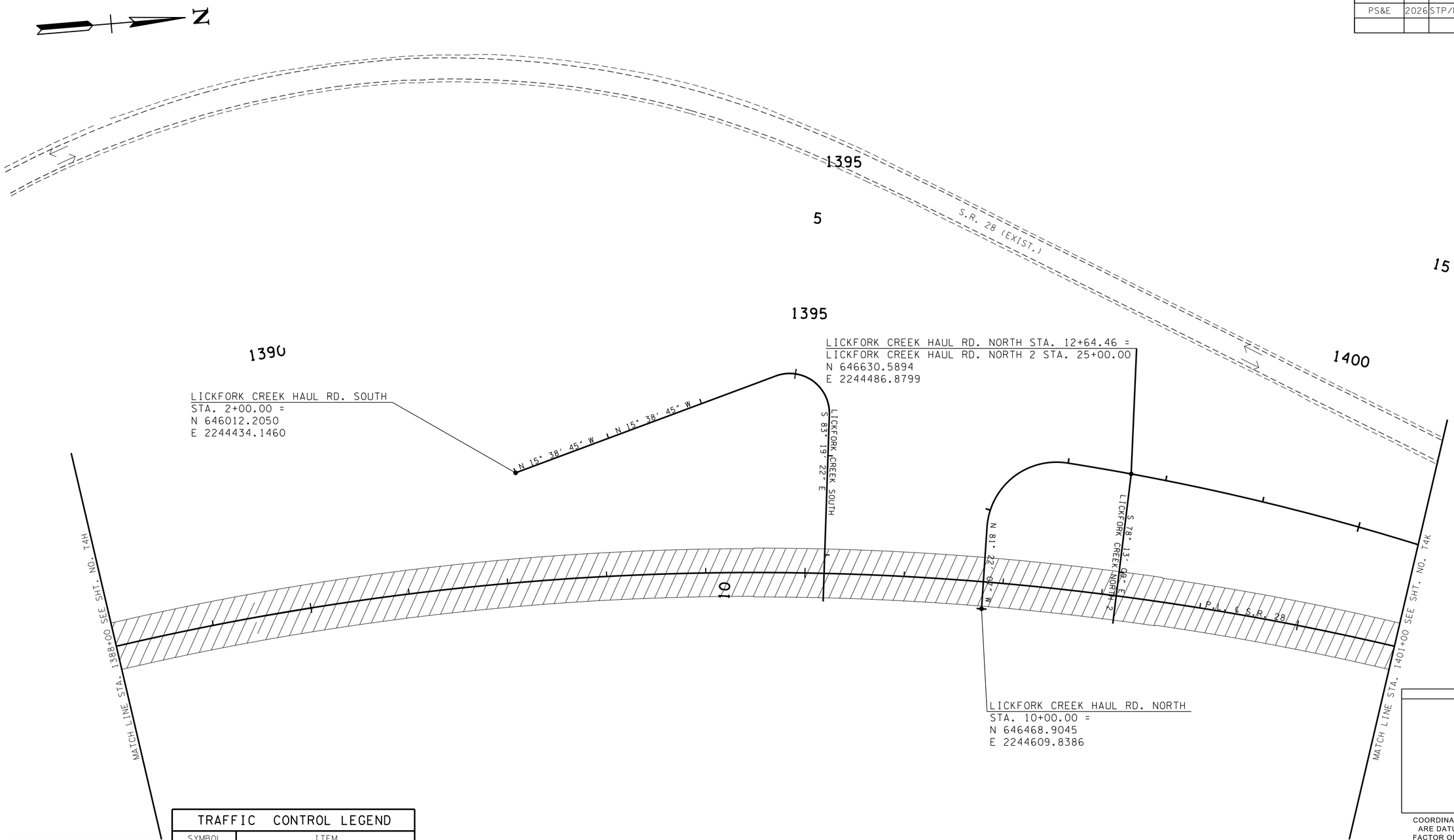
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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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



PS&E
FIELD
REVIEW

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

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

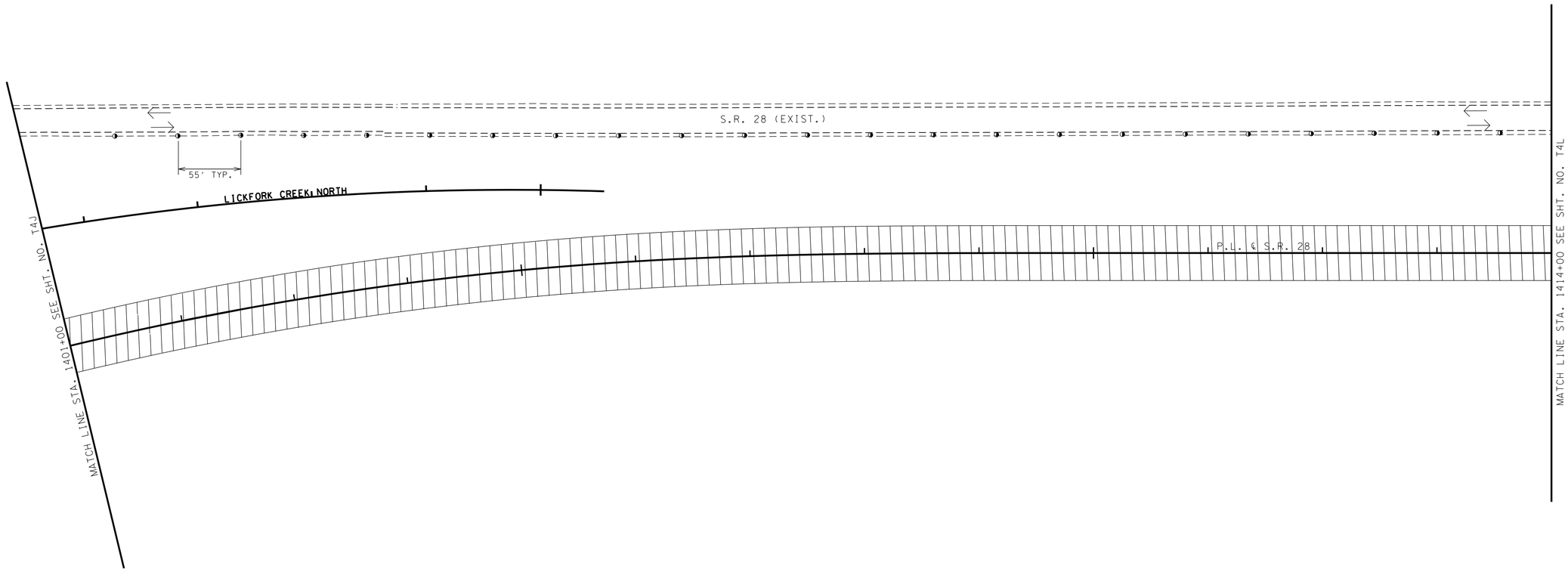
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53K
PIH	2026	STP/NH/HPP-28(32)	T4K
PS&E	2026	STP/NH/HPP-28(32)	T4K

20

1405

1410



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

PS&E FIELD REVIEW

SEALED BY

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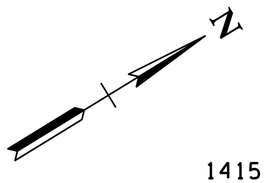
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

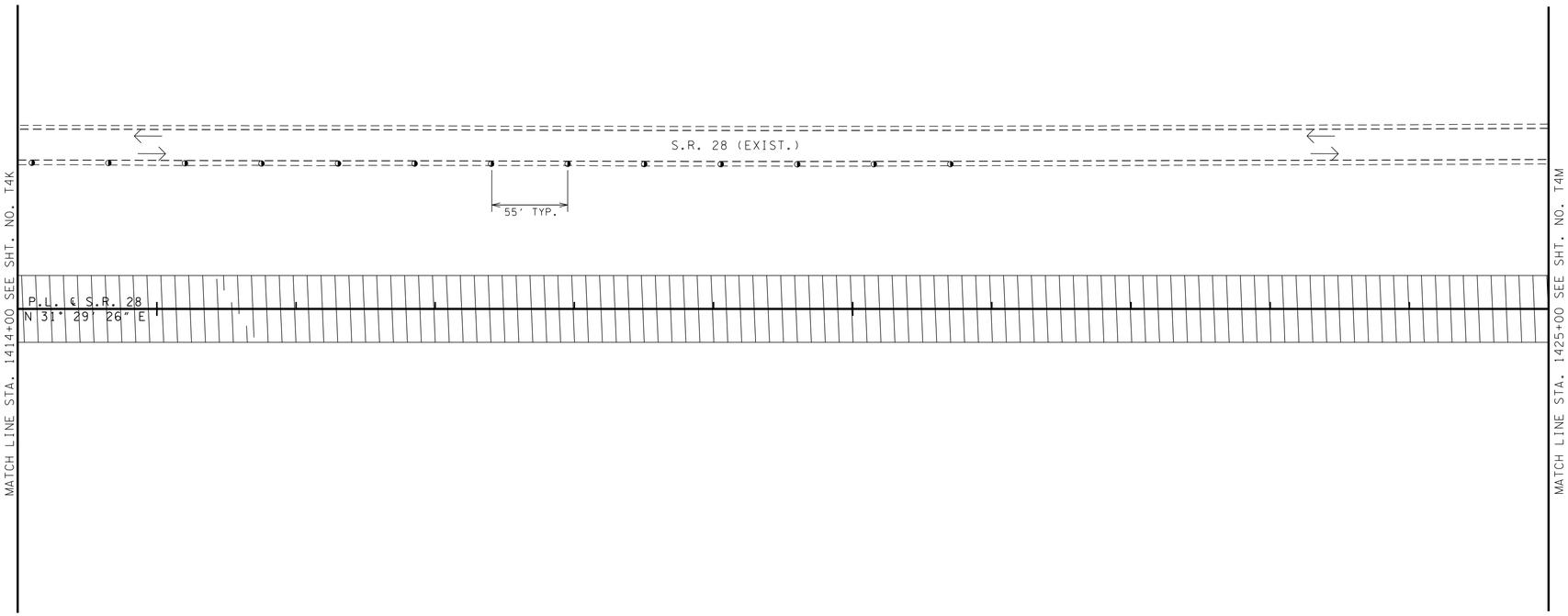
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53L
PIH	2026	STP/NH/HPP-28(32)	T4L
PS&E	2026	STP/NH/HPP-28(32)	T4L



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 II

PS&E FIELD REVIEW

SEALED BY

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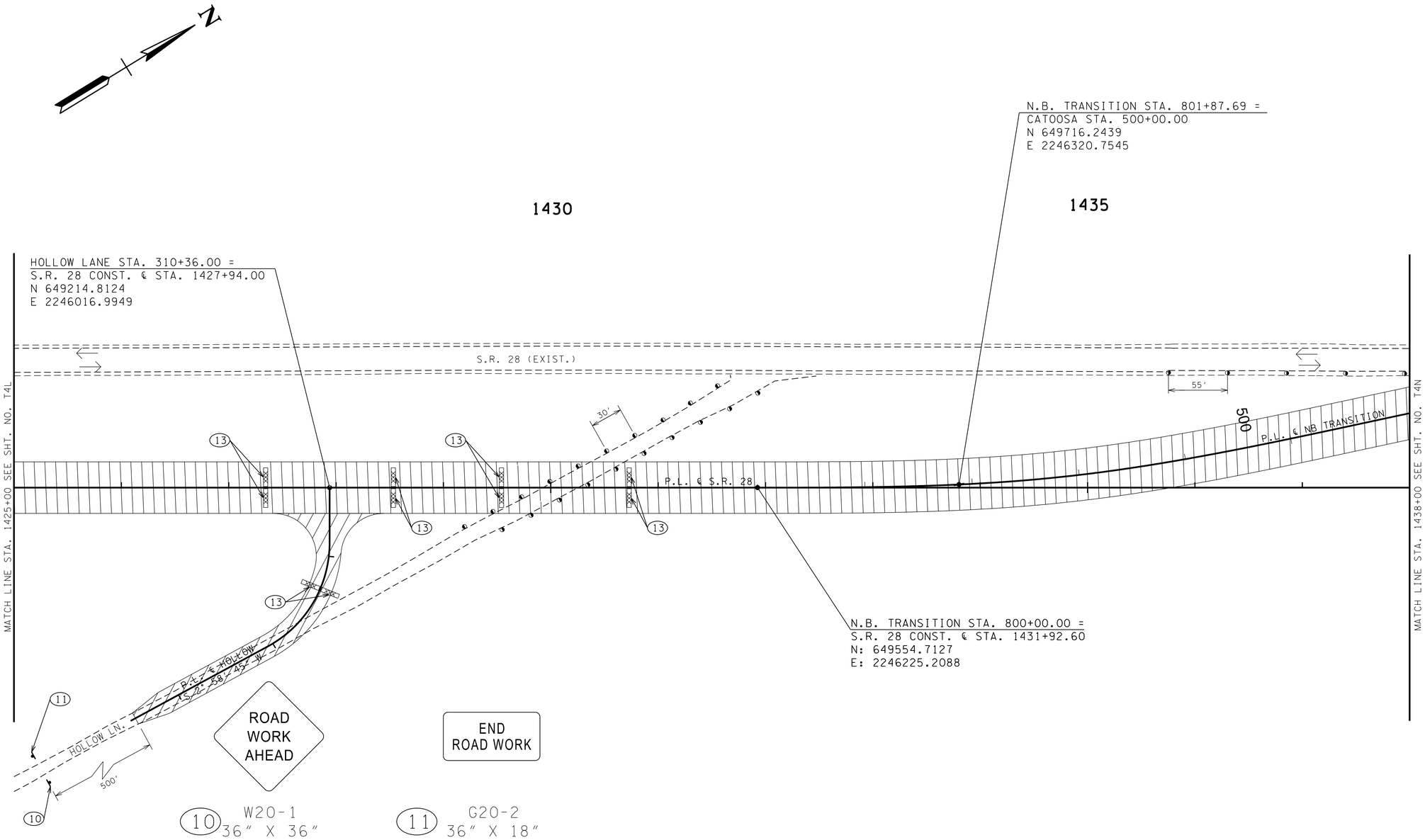
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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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



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

PS&E FIELD REVIEW

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.

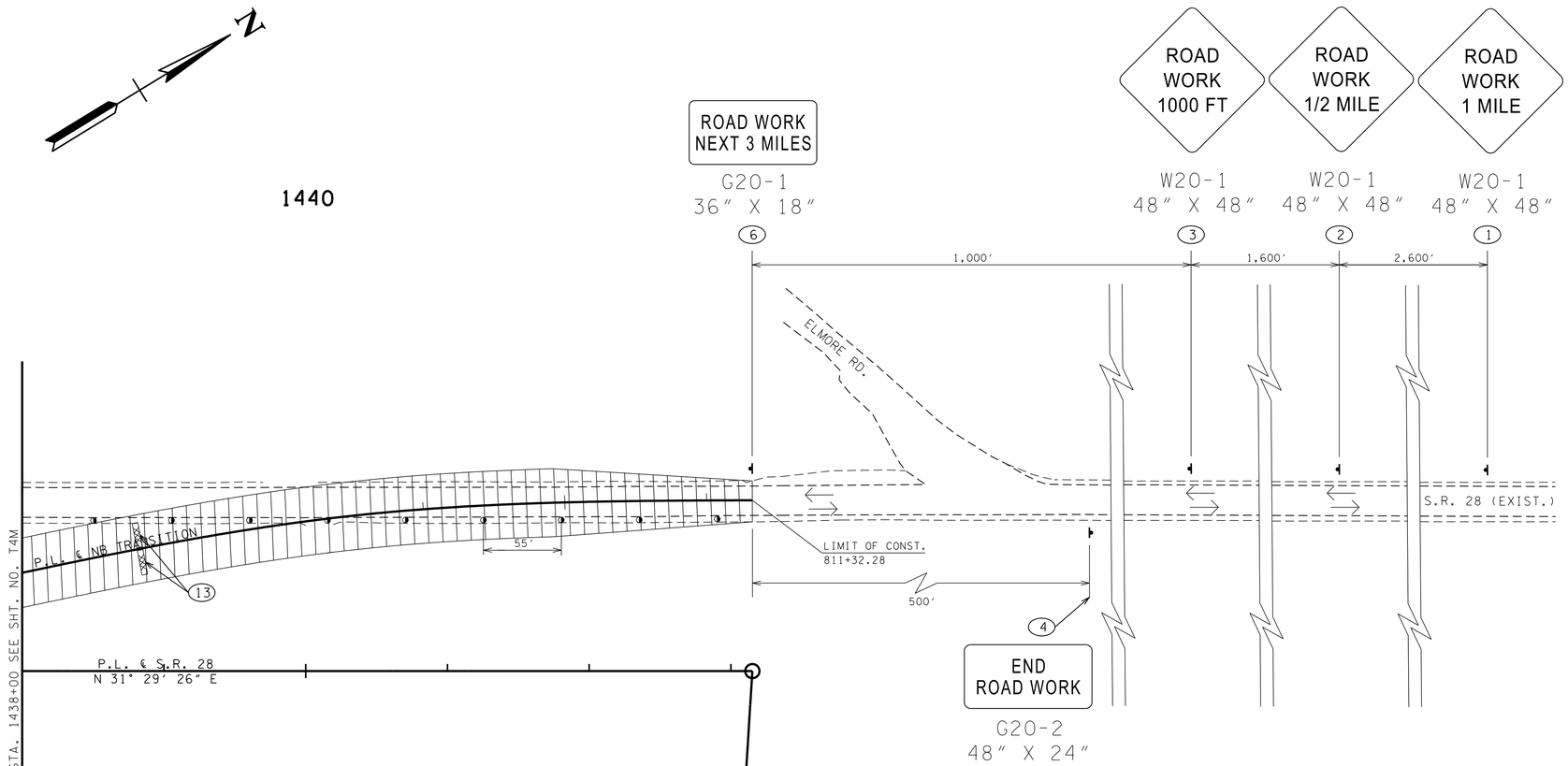
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	53N
PIH	2026	STP/NH/HPP-28(32)	T4N
PS&E	2026	STP/NH/HPP-28(32)	T4N



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

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

PS&E FIELD REVIEW

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

TRAFFIC CONTROL PLANS

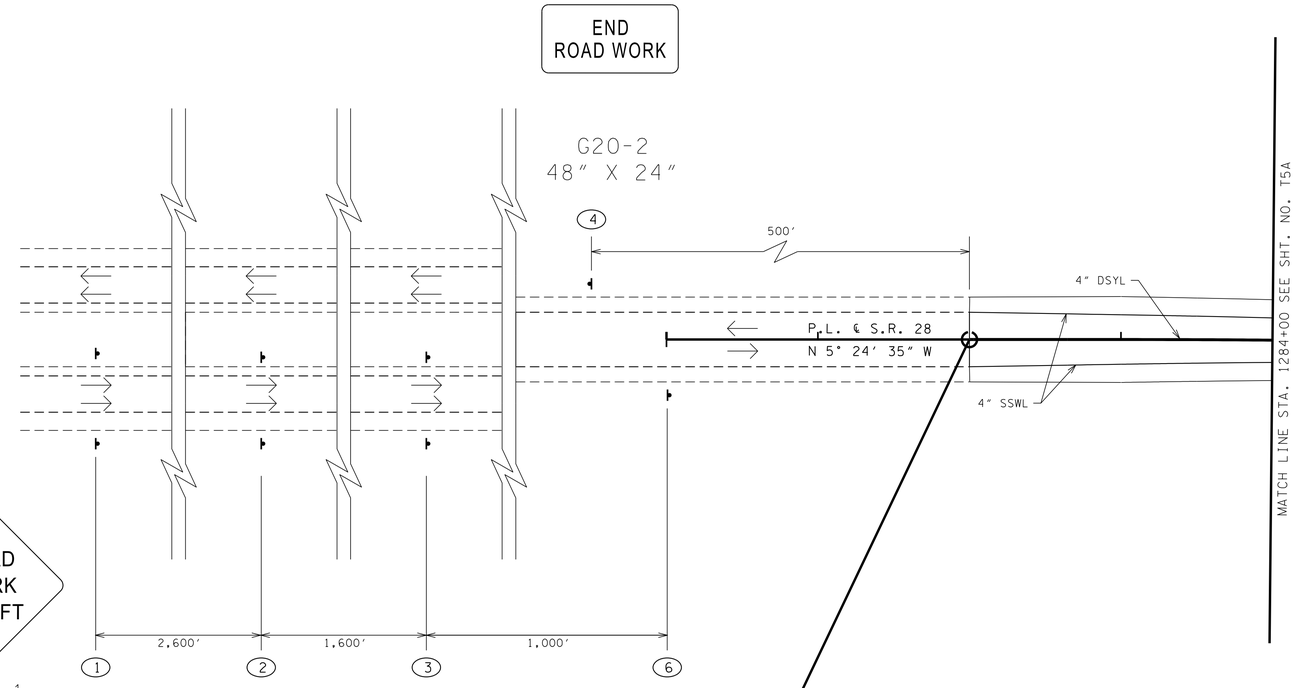
SCALE: 1"= 50'

1/30/2026
P:\2009\090019\SaInfrastructure\Cad\Geopak\T4N.sht

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





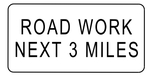
1 W20-1 48" X 48"



2 W20-1 48" X 48"



3 W20-1 48" X 48"



6 G20-1 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

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

PHASE III

PS&E FIELD REVIEW

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

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

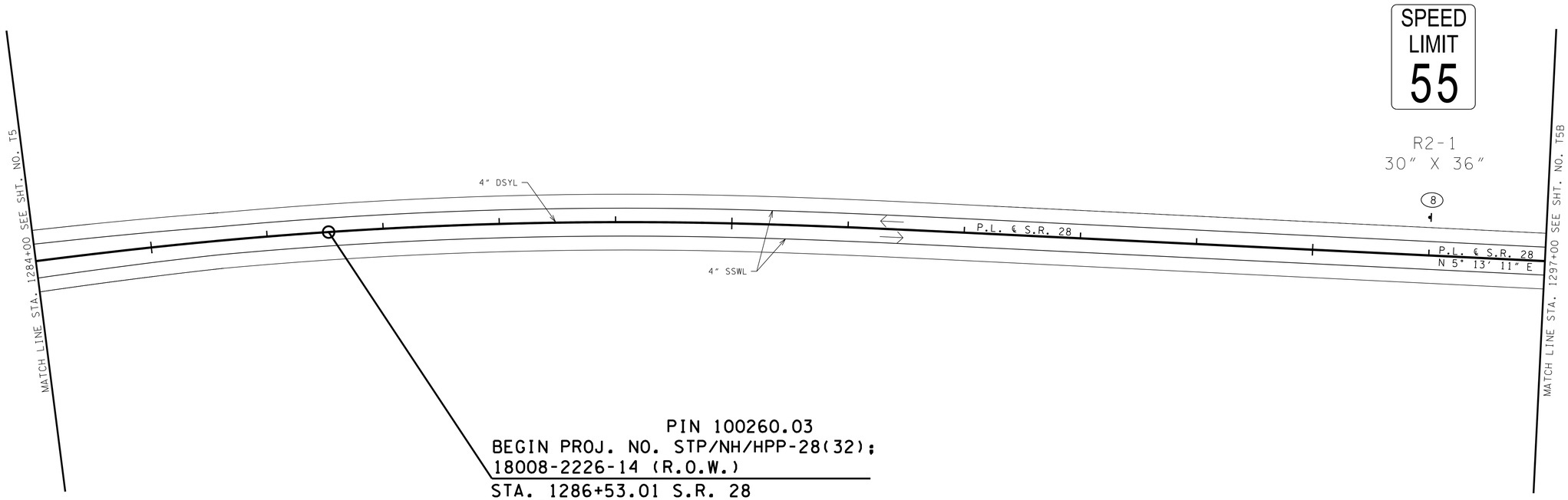
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54A
PIH	2026	STP/NH/HPP-28(32)	T5A
PS&E	2026	STP/NH/HPP-28(32)	T5A

1285

1290

1295



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

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

PS&E FIELD REVIEW

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

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

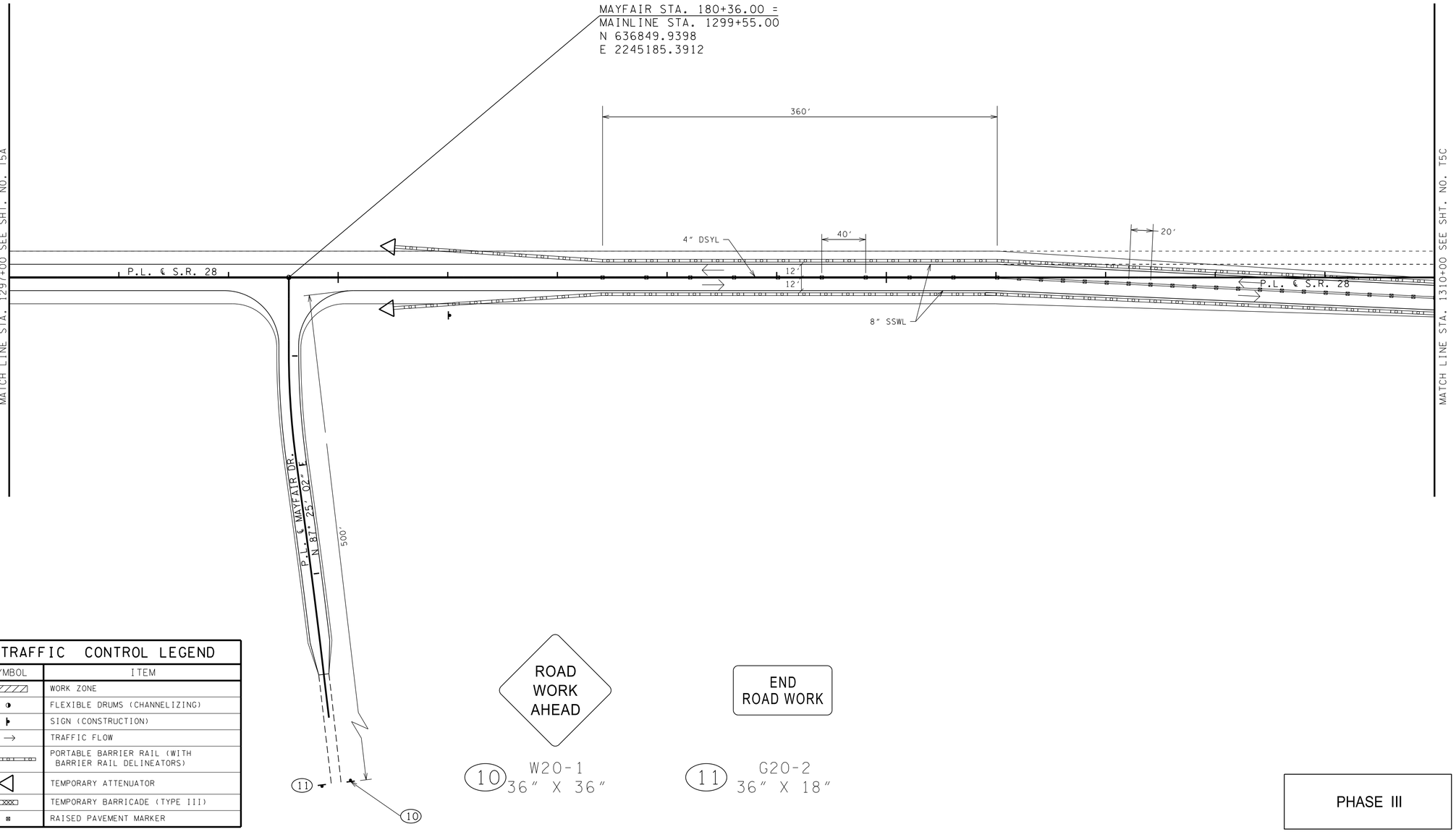
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54B
PIH	2026	STP/NH/HPP-28(32)	T5B
PS&E	2026	STP/NH/HPP-28(32)	T5B

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

PS&E FIELD REVIEW

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.

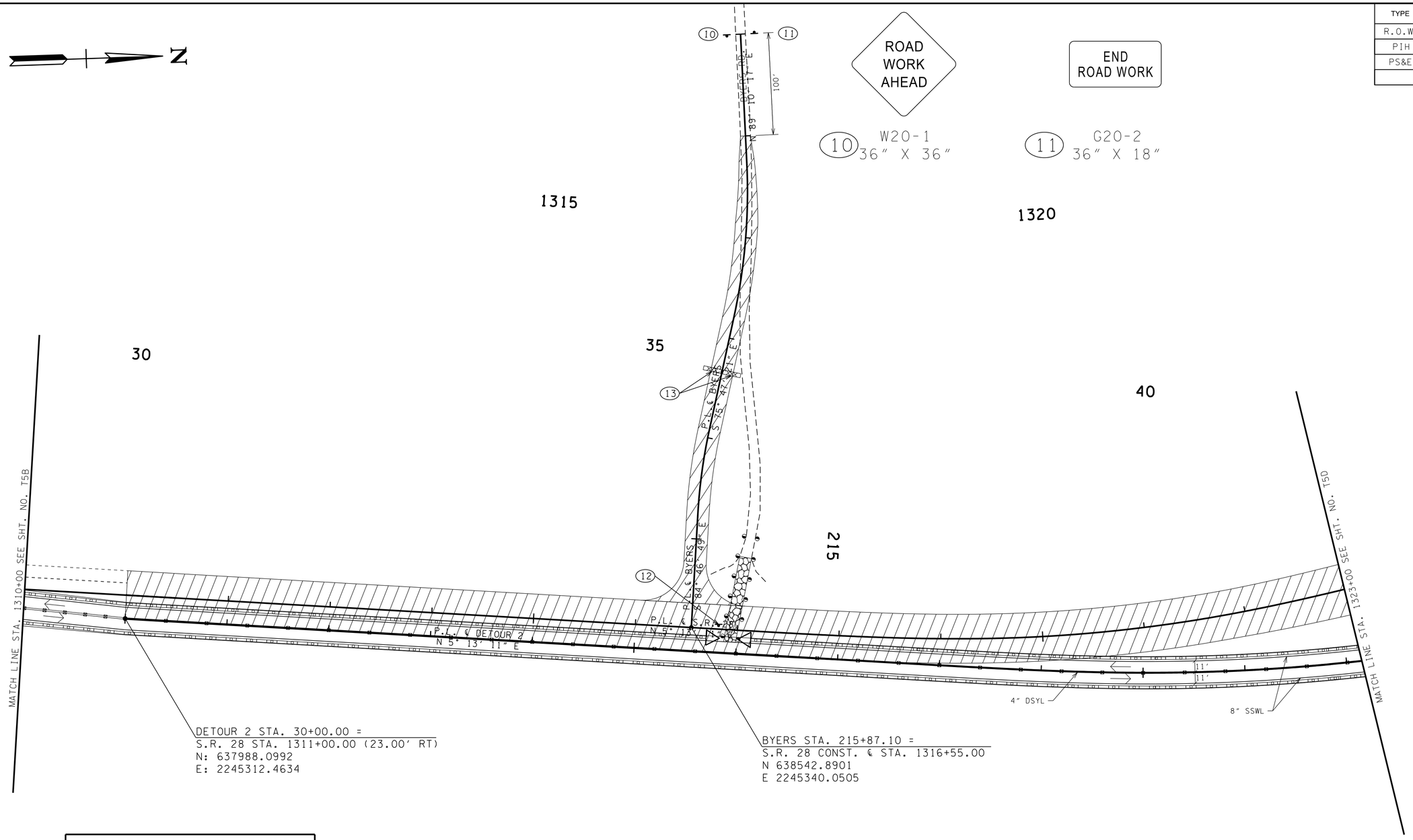
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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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



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

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

PS&E FIELD REVIEW

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.

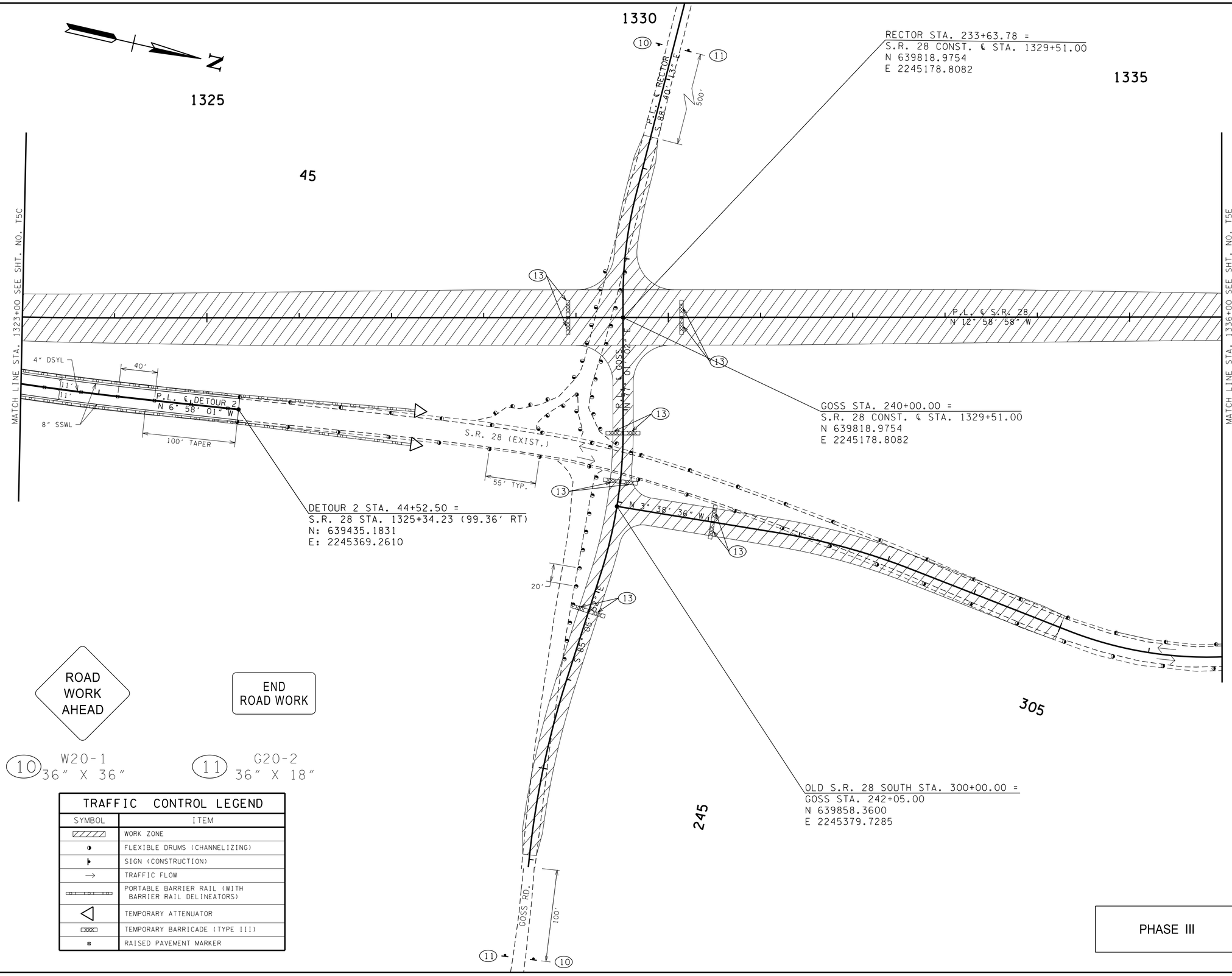
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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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

PS&E FIELD REVIEW

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

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

PHASE III

1/30/2026
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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

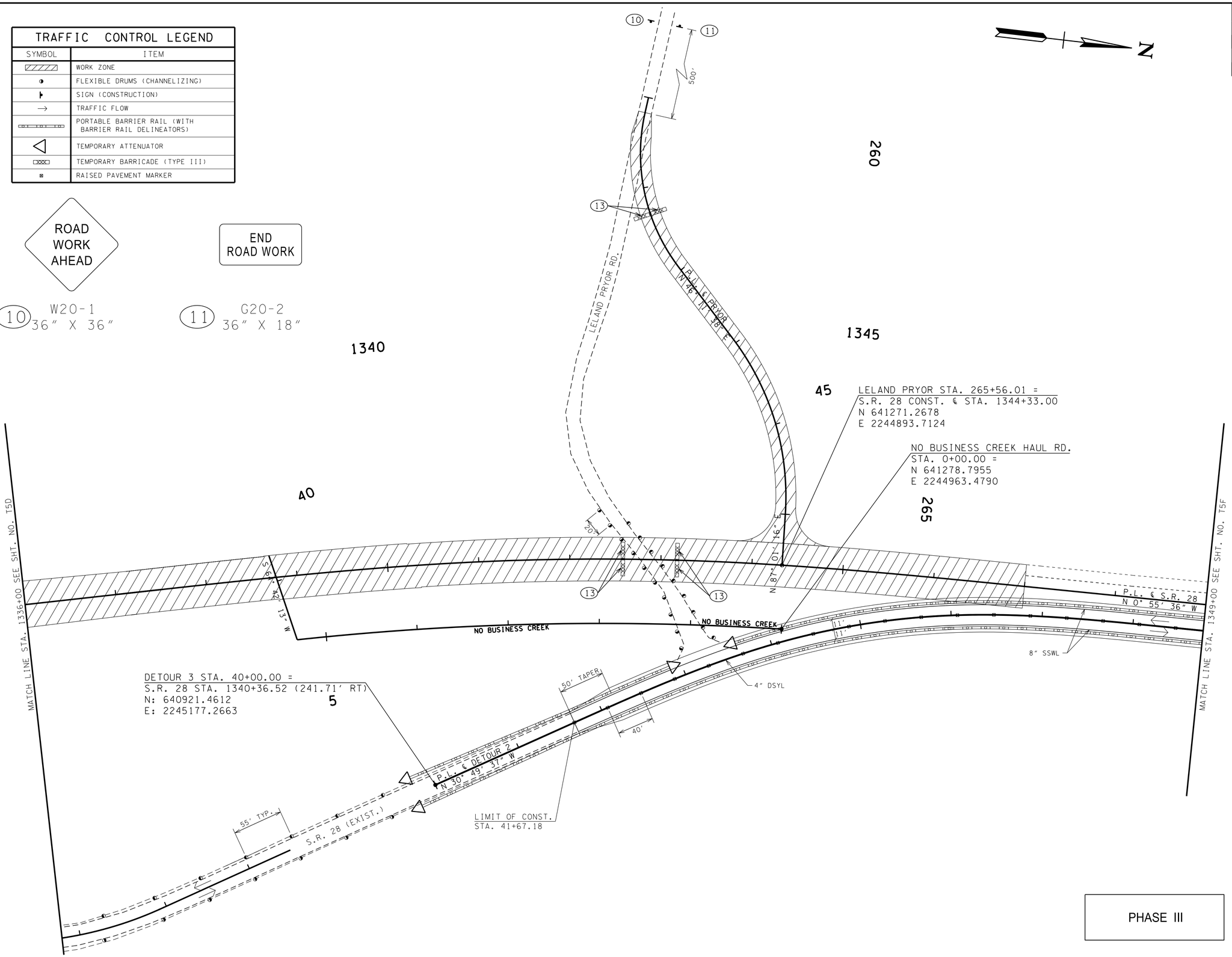
ROAD WORK AHEAD

(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

PS&E FIELD REVIEW

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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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

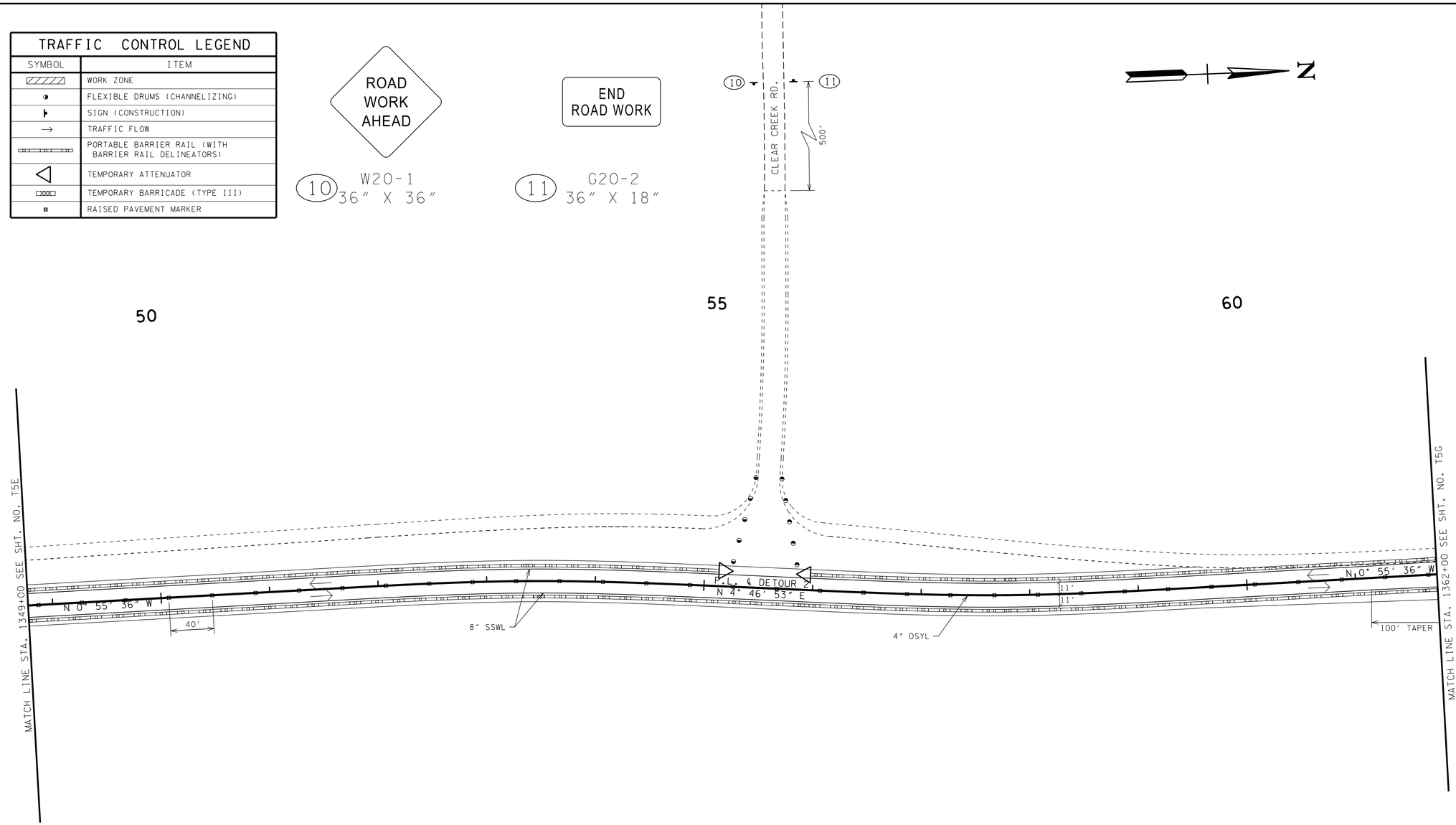
ROAD WORK AHEAD

(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)	54F
PIH	2026	STP/NH/HPP-28(32)	T5F
PS&E	2026	STP/NH/HPP-28(32)	T5F



PHASE III

PS&E FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

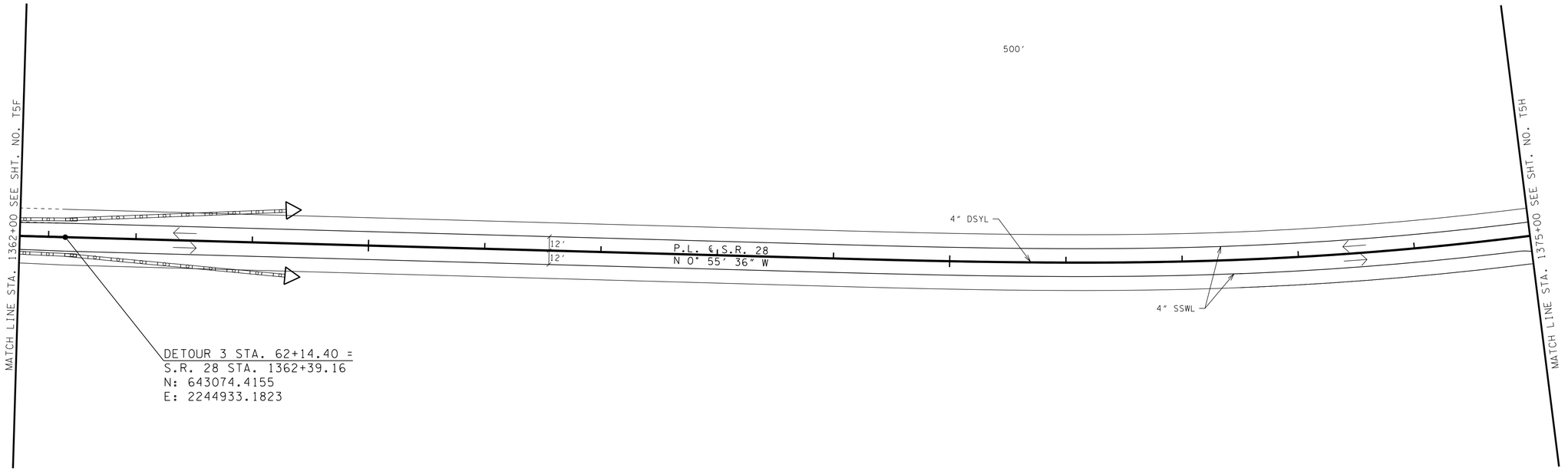
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54G
PIH	2026	STP/NH/HPP-28(32)	T5G
PS&E	2026	STP/NH/HPP-28(32)	T5G

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 III

PS&E FIELD REVIEW

SEALED BY

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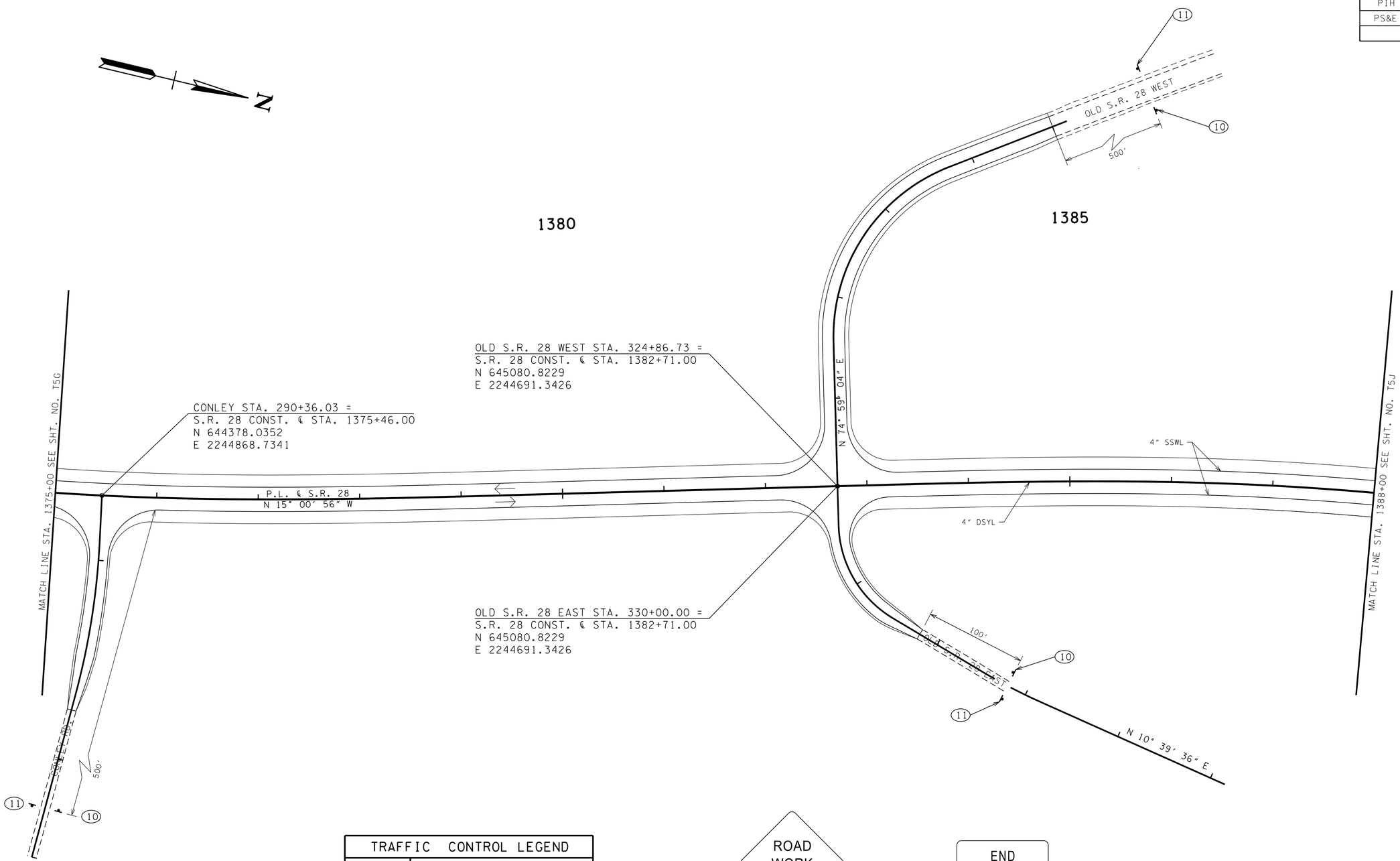
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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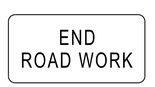
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54H
PIH	2026	STP/NH/HPP-28(32)	T5H
PS&E	2026	STP/NH/HPP-28(32)	T5H



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

PS&E FIELD REVIEW

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

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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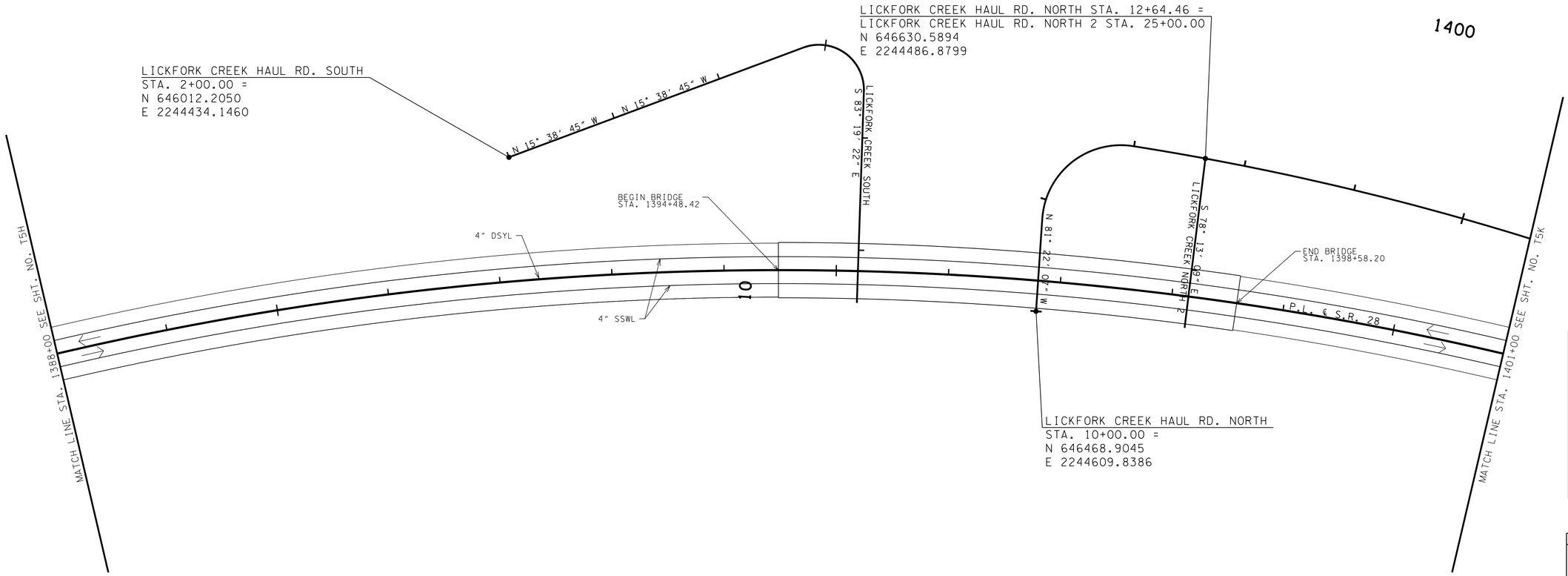
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54J
PIH	2026	STP/NH/HPP-28(32)	T5J
PS&E	2026	STP/NH/HPP-28(32)	T5J

N

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

PS&E FIELD REVIEW

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

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

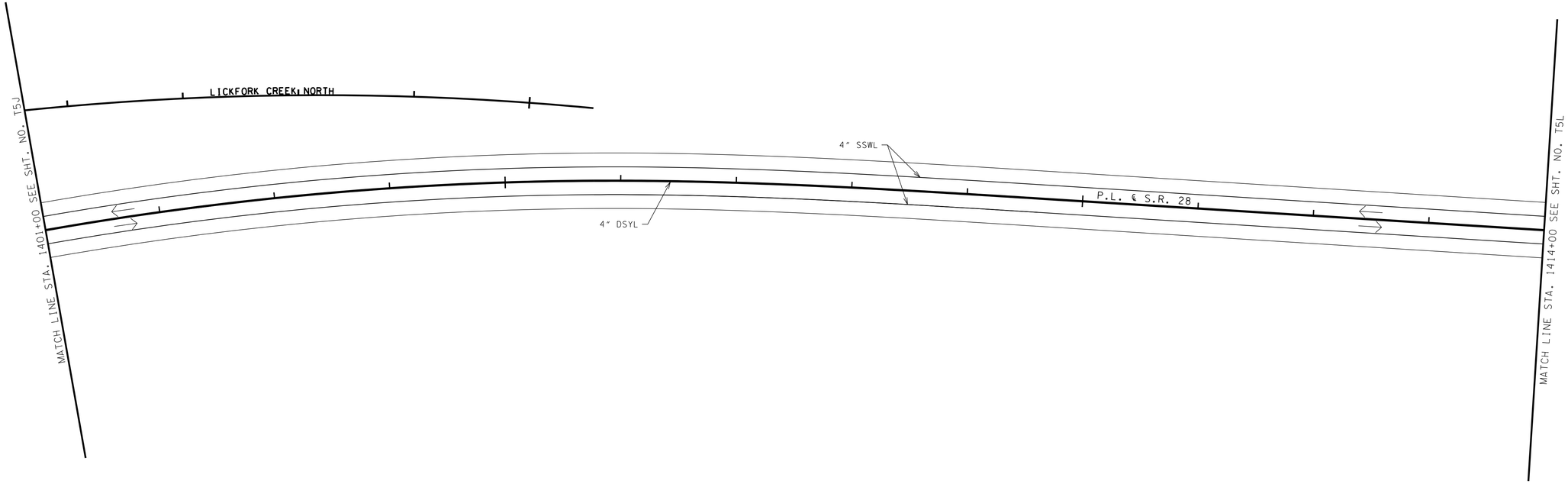
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54K
PIH	2026	STP/NH/HPP-28(32)	T5K
PS&E	2026	STP/NH/HPP-28(32)	T5K

20

1405

1410



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

PS&E FIELD REVIEW

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.

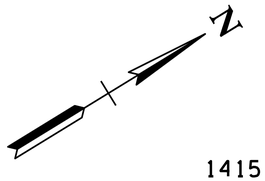
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

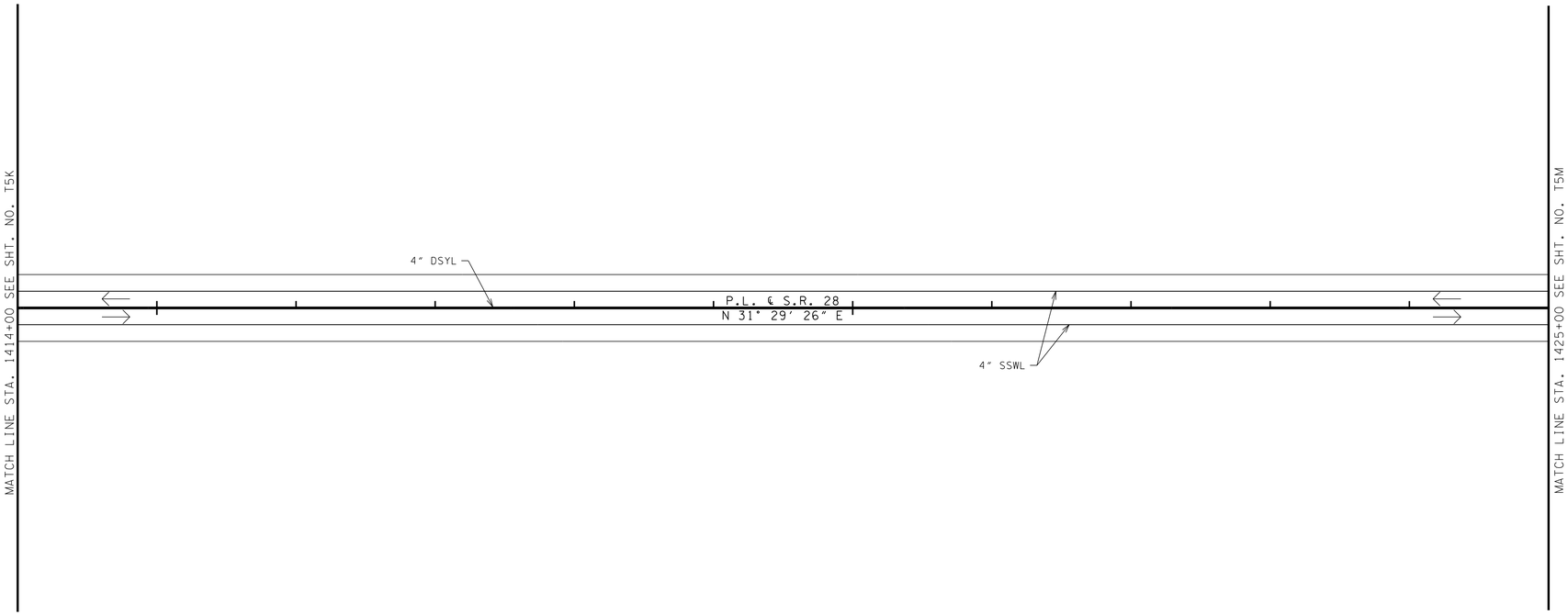
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54L
PIH	2026	STP/NH/HPP-28(32)	T5L
PS&E	2026	STP/NH/HPP-28(32)	T5L



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

PS&E FIELD REVIEW

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.

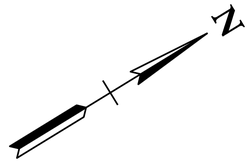
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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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



1430

1435

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

N.B. TRANSITION STA. 801+87.69 =
CATOOSA STA. 500+00.00
N 649716.2439
E 2246320.7545

MATCH LINE STA. 1425+00 SEE SHT. NO. T5L

MATCH LINE STA. 1438+00 SEE SHT. NO. T5N

4" DSYL

4" SSWL

P.L. ℄ S.R. 28

500

P.L. ℄ NB TRANS

S 11° 29' 08" E 2'

P.L. ℄ CATOOSA

S 74° 34' 47" E

N.B. TRANSITION STA. 800+00.00 =
S.R. 28 CONST. ℄ STA. 1431+92.60
N: 649554.7127
E: 2246225.2088

P.L. ℄ HOLLOW

S 2° 58' 45" W

HOLLOW LN.

500'

11

10

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

PS&E FIELD REVIEW

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.

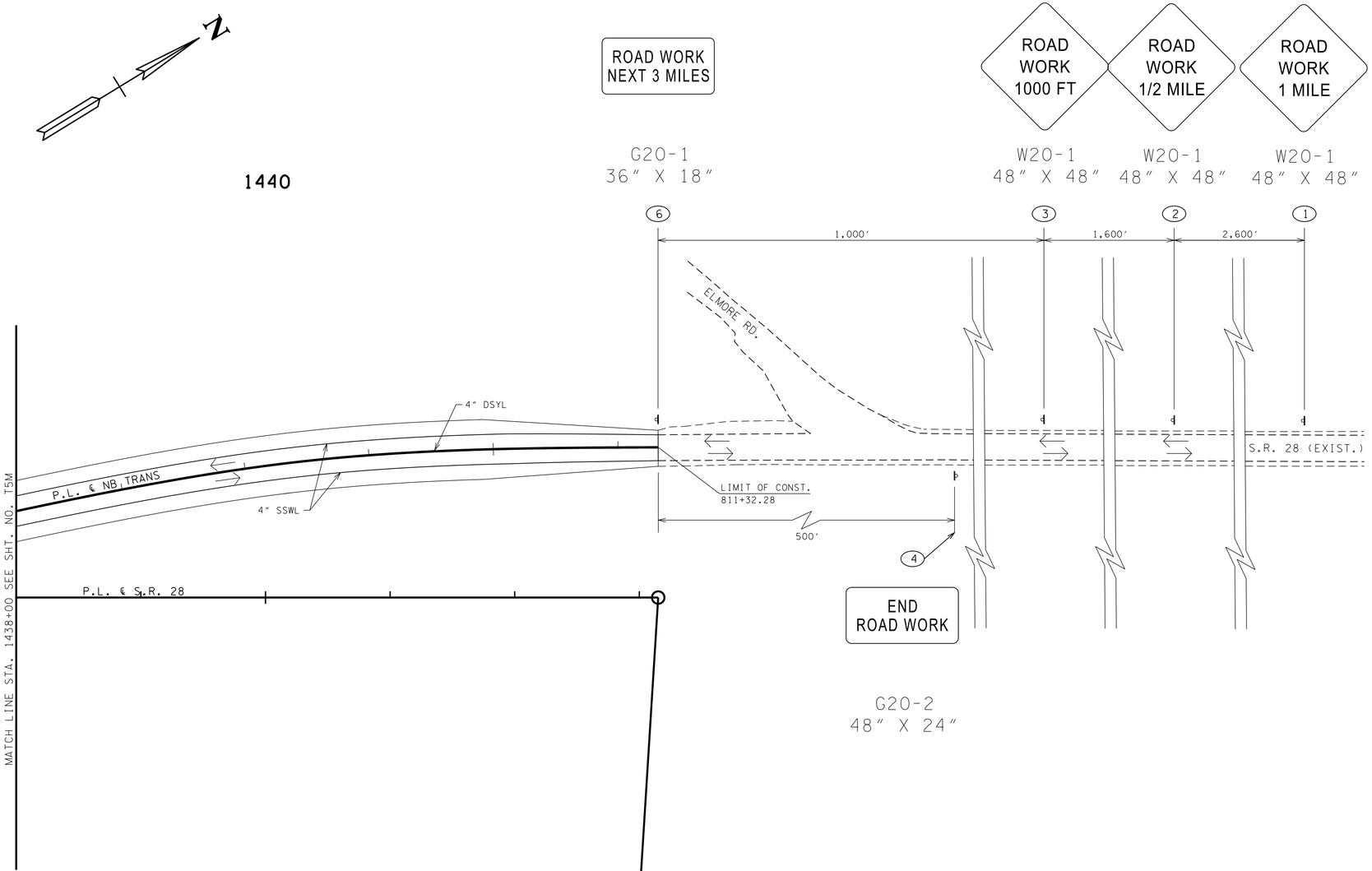
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2020	STP/NH/HPP-28(32)	54N
PIH	2026	STP/NH/HPP-28(32)	T5N
PS&E	2026	STP/NH/HPP-28(32)	T5N



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

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
Φ	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

PS&E FIELD REVIEW

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.

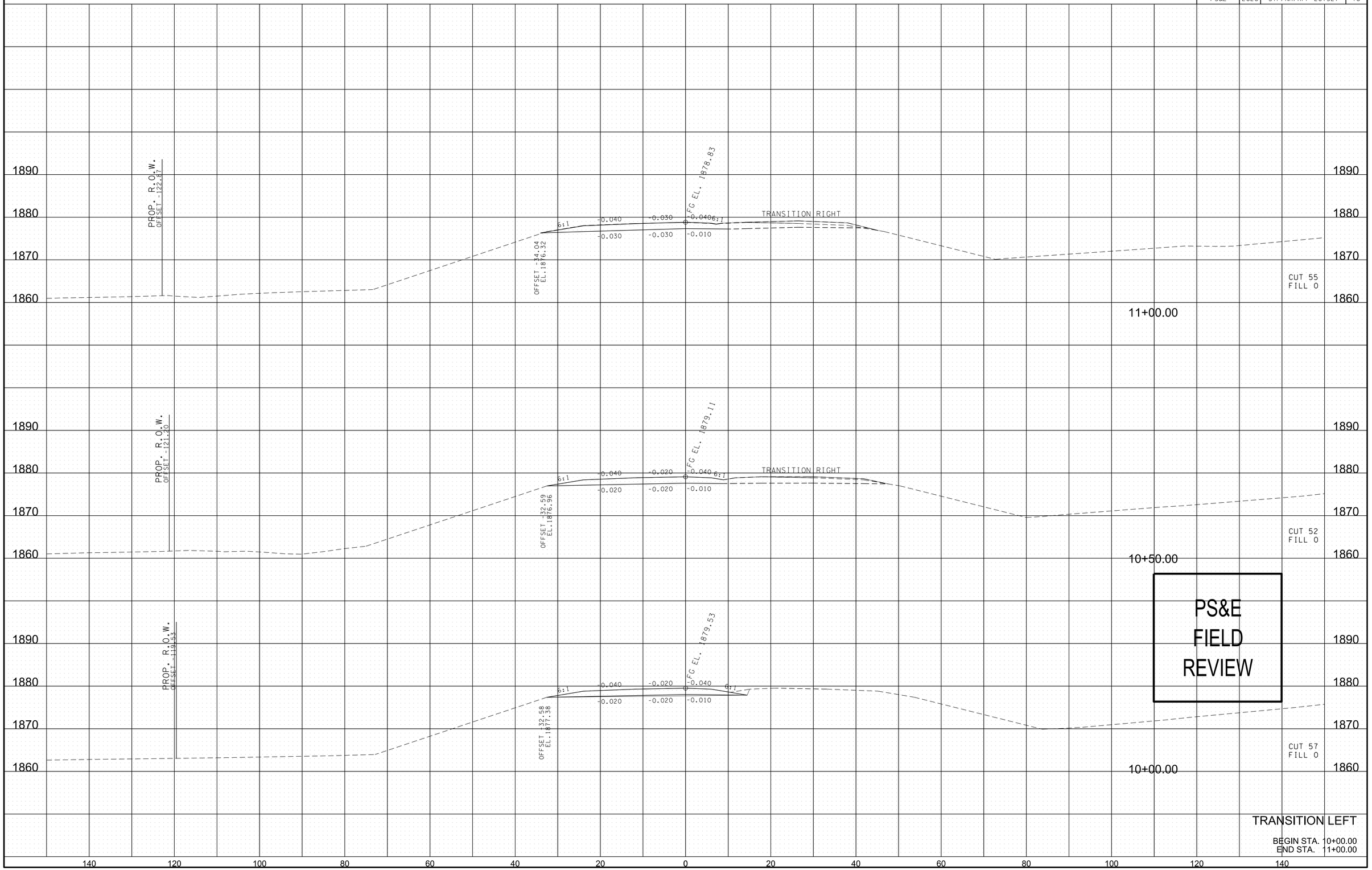
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

1/30/2026
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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



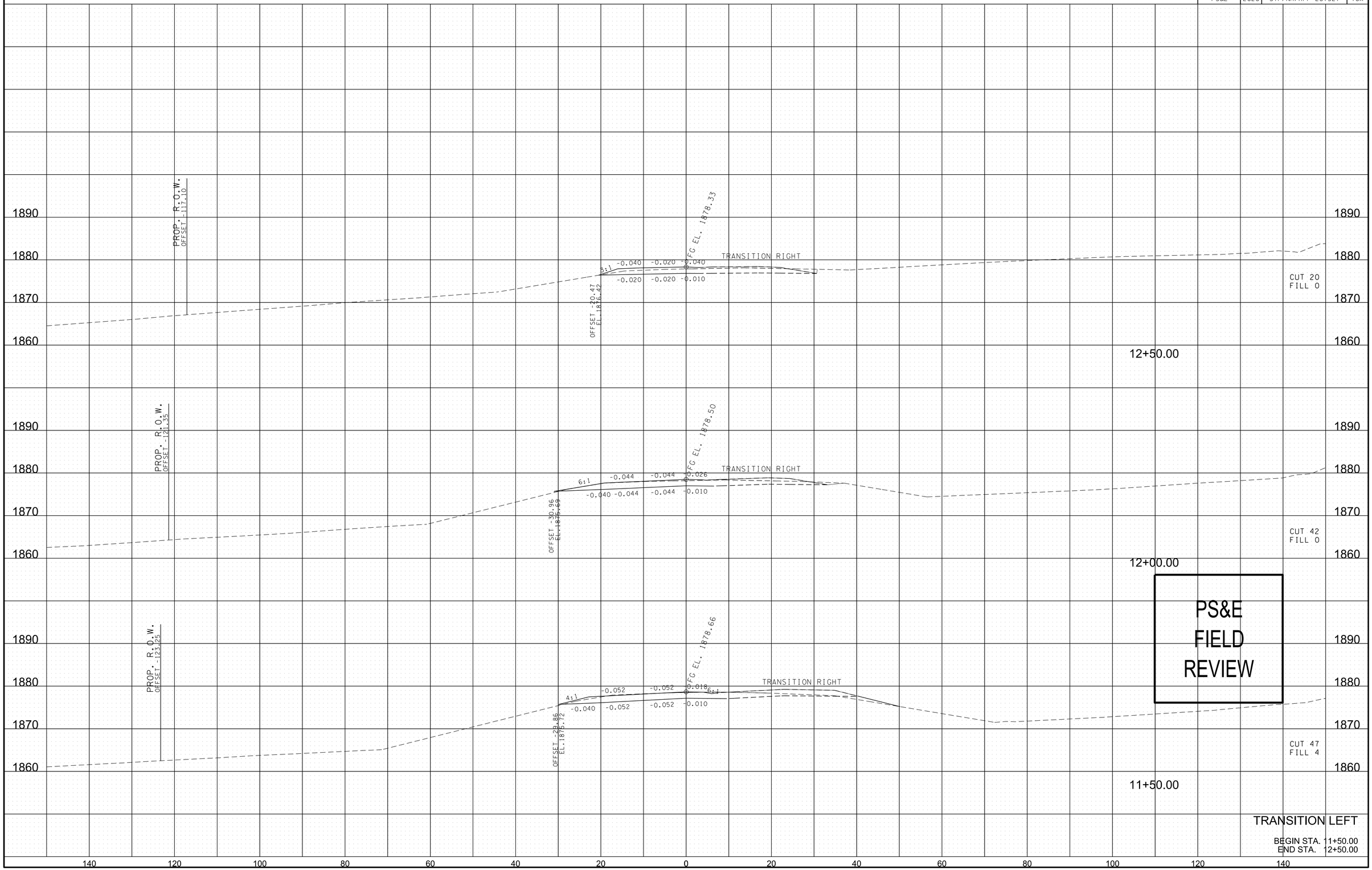
PS&E
FIELD
REVIEW

TRANSITION LEFT

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

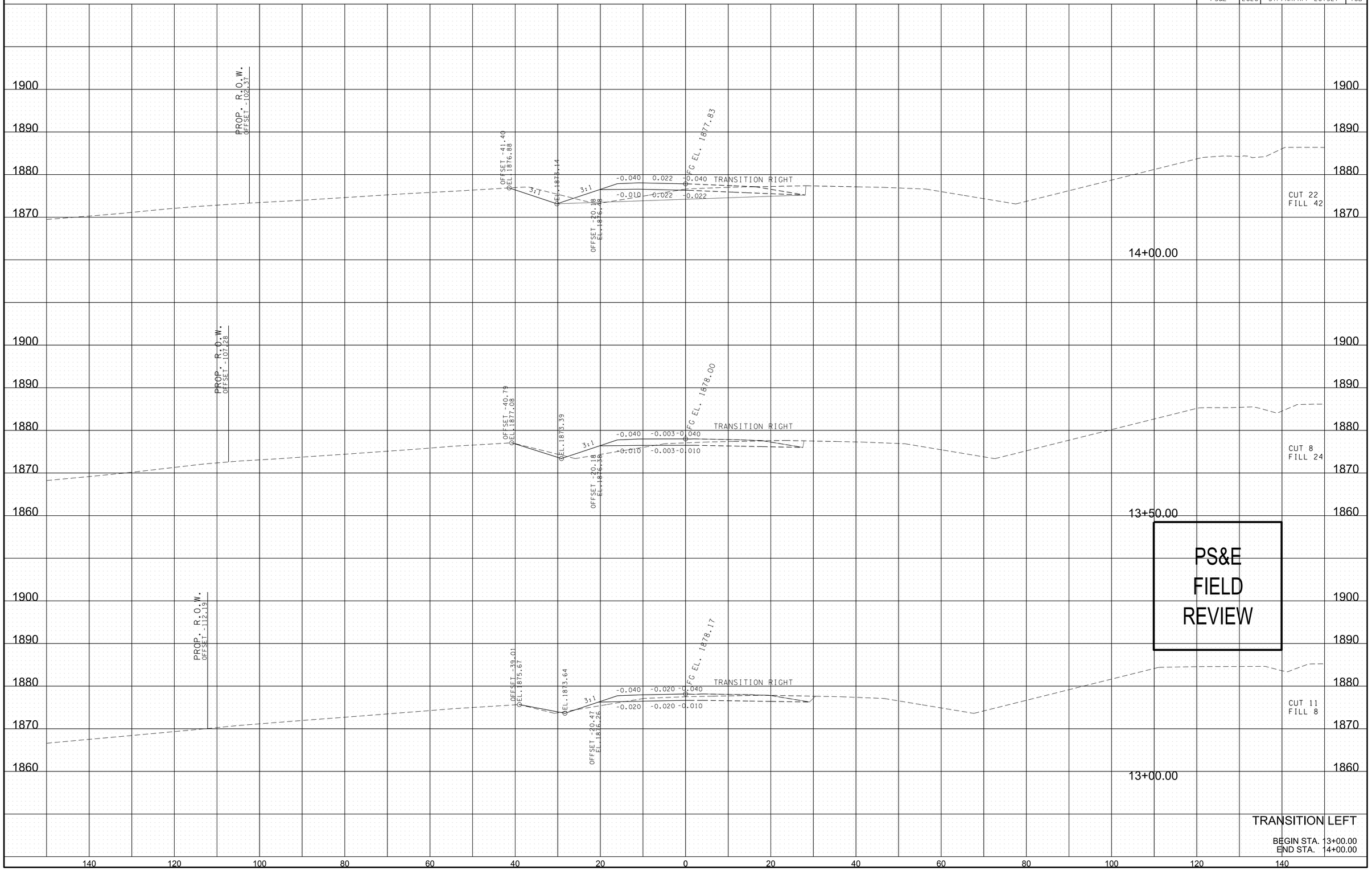
1/30/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T6A
PS&E	2026	STP/NH/HPP-28(32)	T6A



1/30/2026
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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



PS&E FIELD REVIEW

TRANSITION LEFT

BEGIN STA. 13+00.00
END STA. 14+00.00

1/30/2026
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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

PROP. R.O.W.
OFFSET -96.02

OFFSET -49.16
@EL.1878.97

1:1

@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

PROP. R.O.W.
OFFSET -97.86

OFFSET -42.41
@EL.1876.73

1:1

@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

PS&E
FIELD
REVIEW

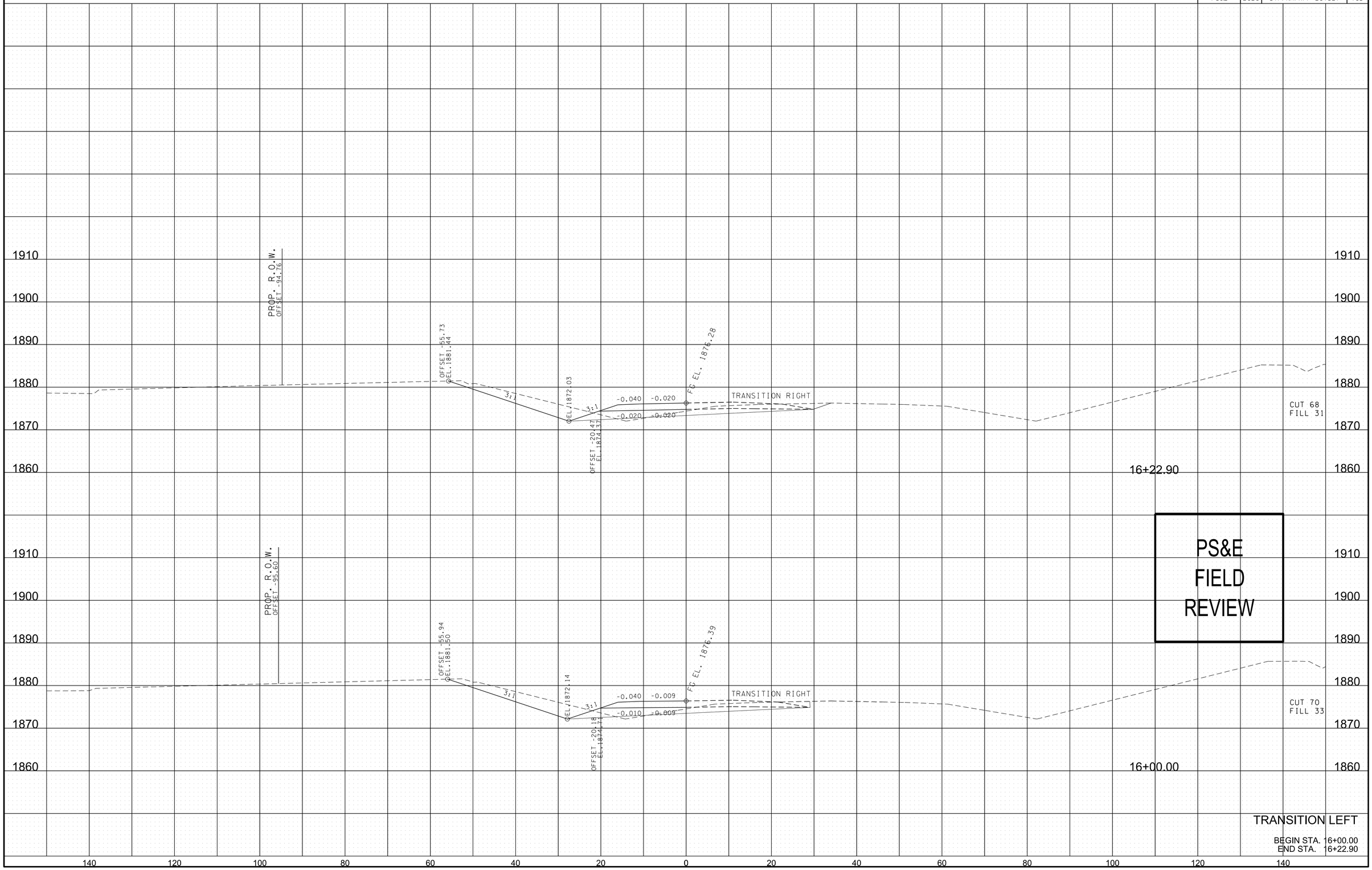
TRANSITION LEFT

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

1/30/2026
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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



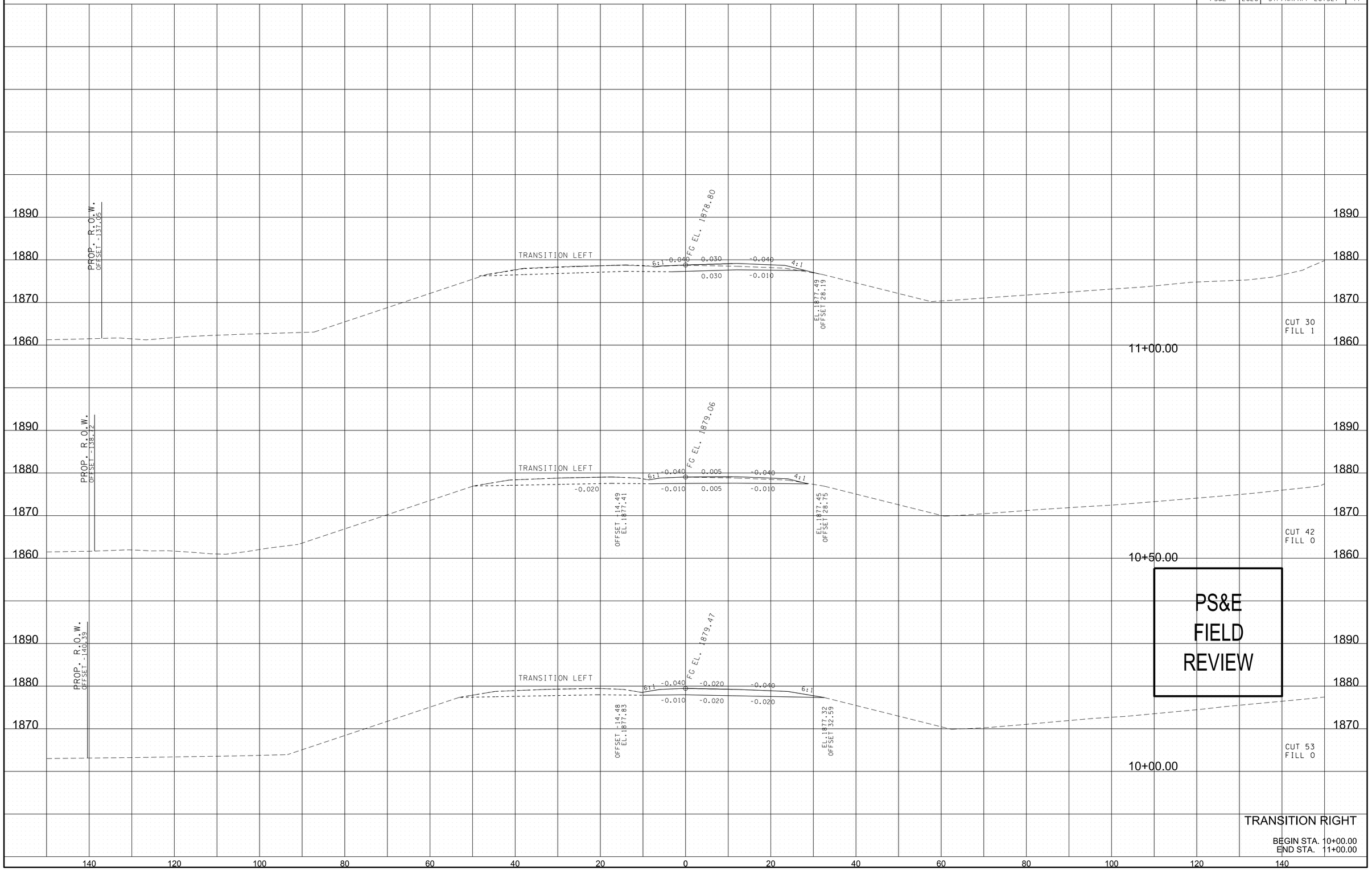
PS&E
FIELD
REVIEW

TRANSITION LEFT

BEGIN STA. 16+00.00
END STA. 16+22.90

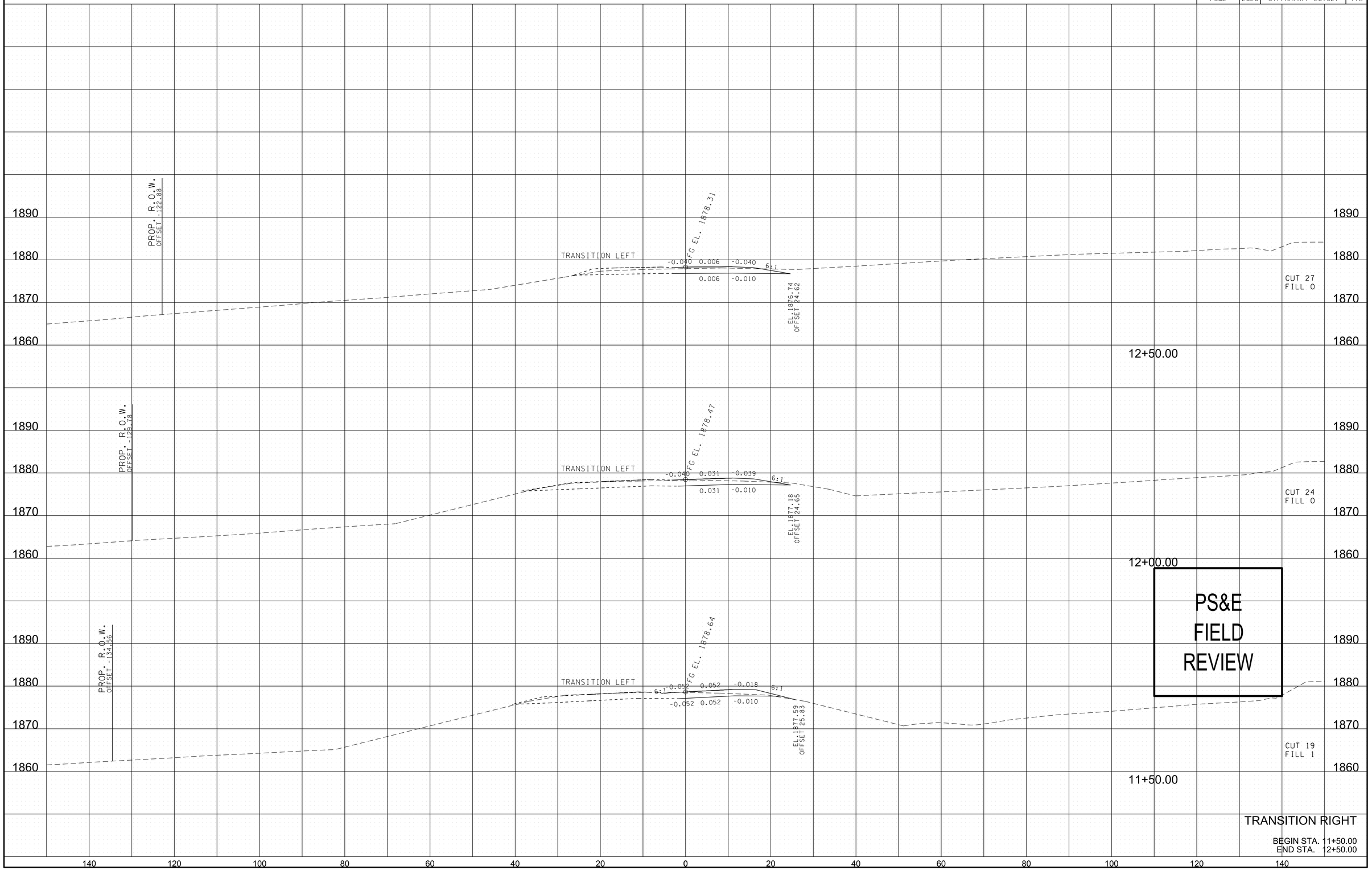
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T7
PS&E	2026	STP/NH/HPP-28(32)	T7



1/30/2026
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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



PS&E FIELD REVIEW

TRANSITION RIGHT

BEGIN STA. 11+50.00
END STA. 12+50.00

1/30/2026
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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

PS&E
FIELD
REVIEW

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

1/30/2026
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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

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 26.83

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

PS&E
FIELD
REVIEW

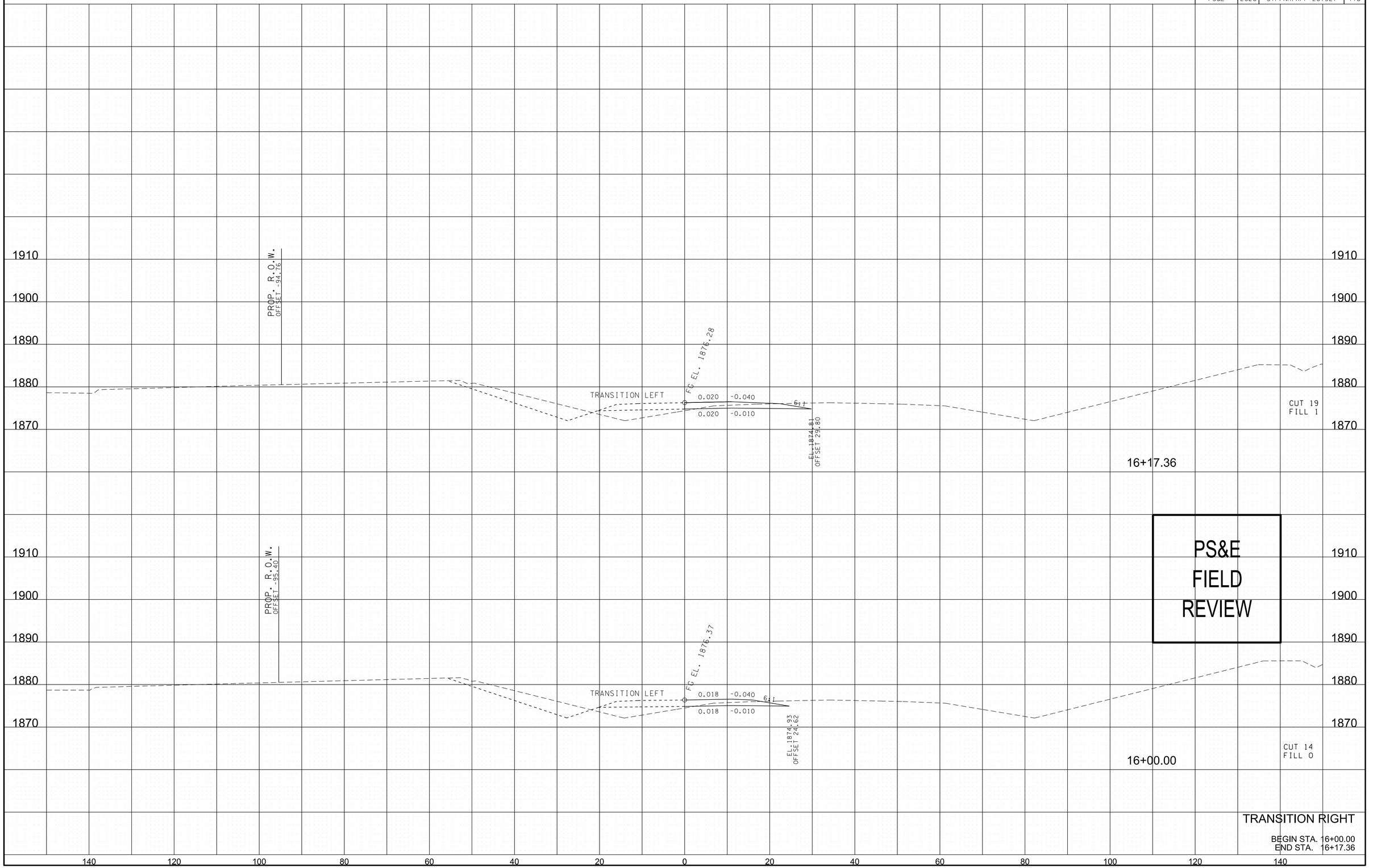
TRANSITION RIGHT

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

1/30/2026
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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



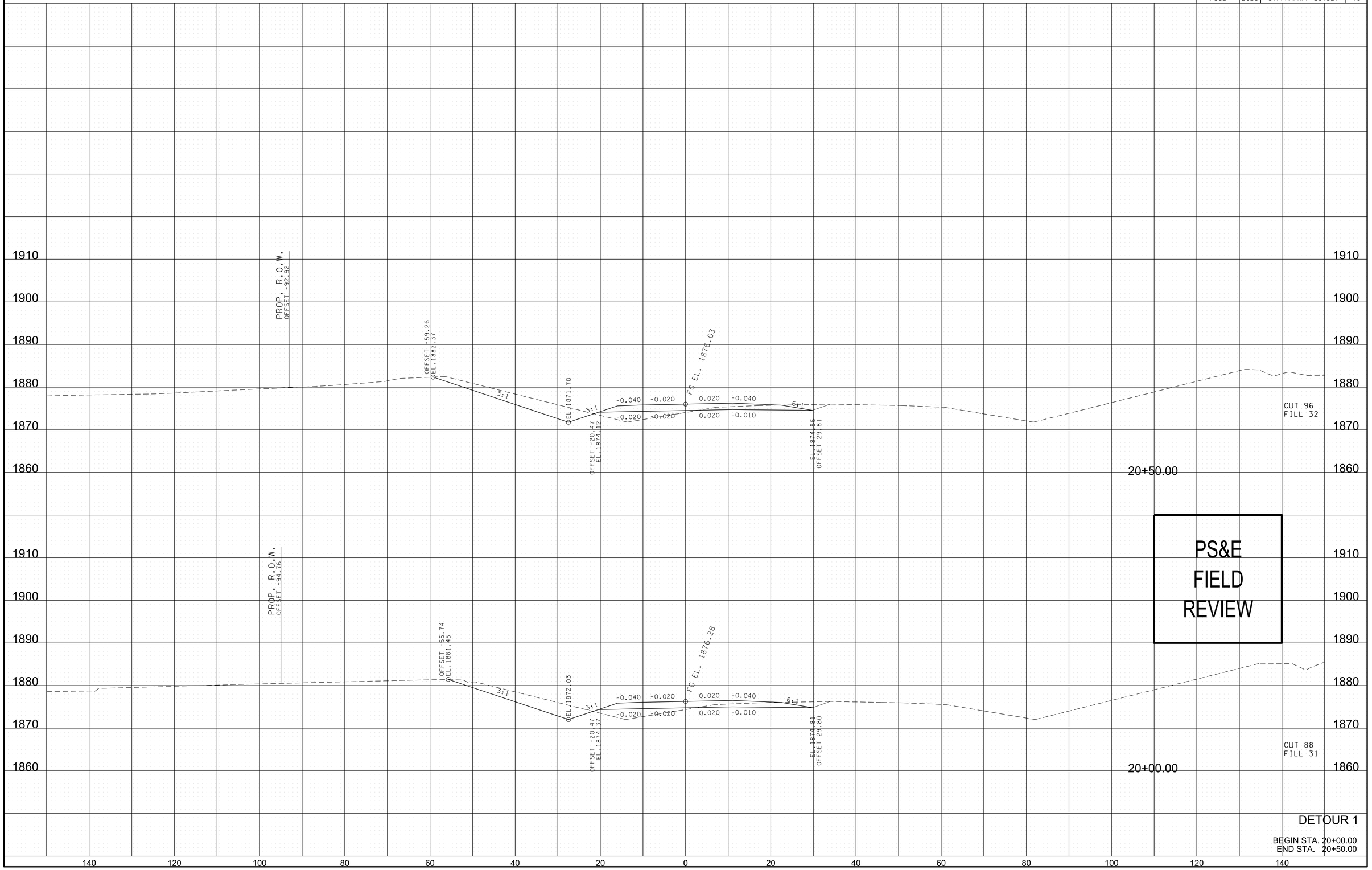
PS&E FIELD REVIEW

TRANSITION RIGHT

BEGIN STA. 16+00.00
END STA. 16+17.36

1/30/2026
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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



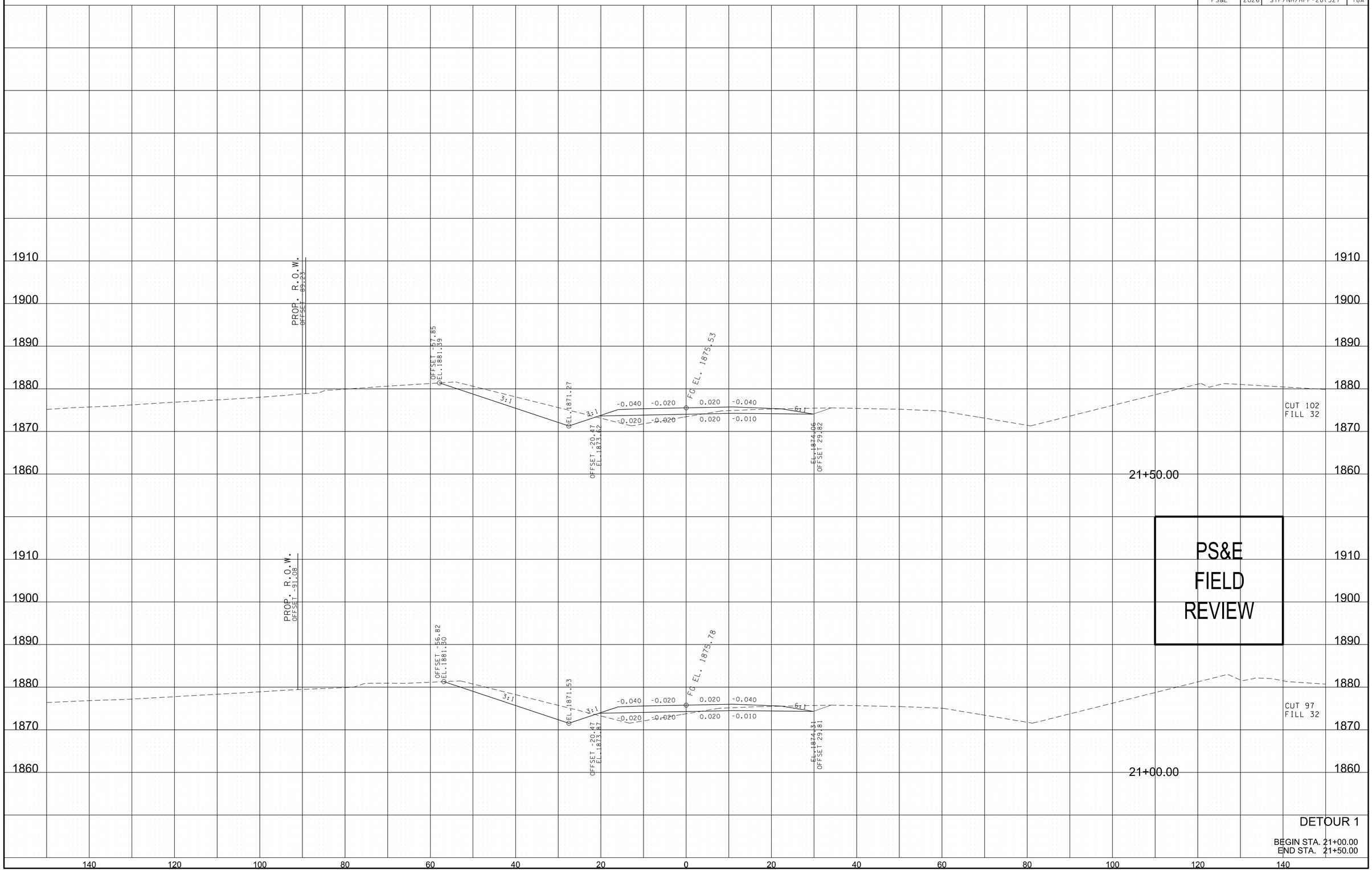
PS&E FIELD REVIEW

DETOUR 1

BEGIN STA. 20+00.00
END STA. 20+50.00

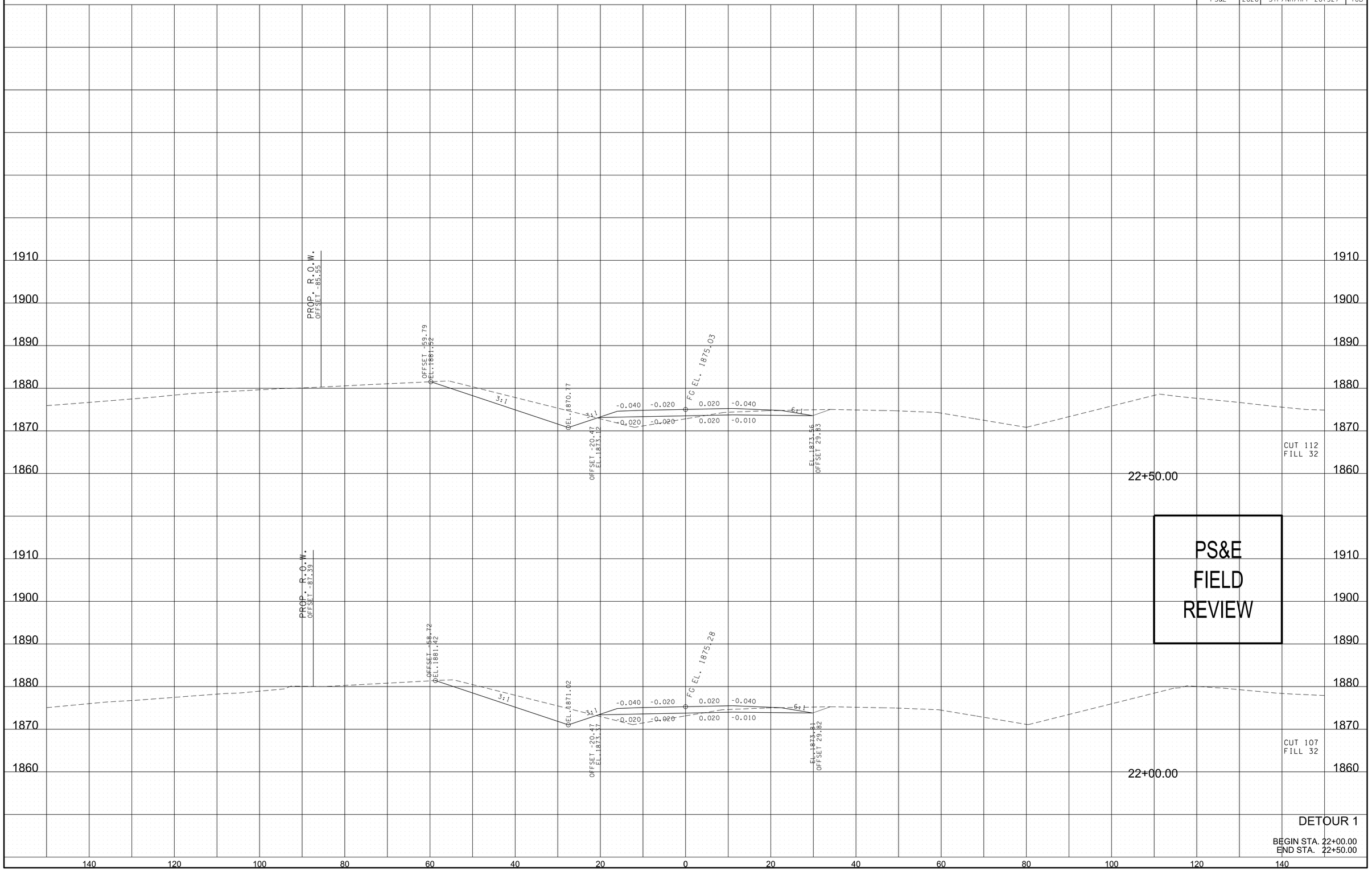
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T8A
PS&E	2026	STP/NH/HPP-28(32)	T8A



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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



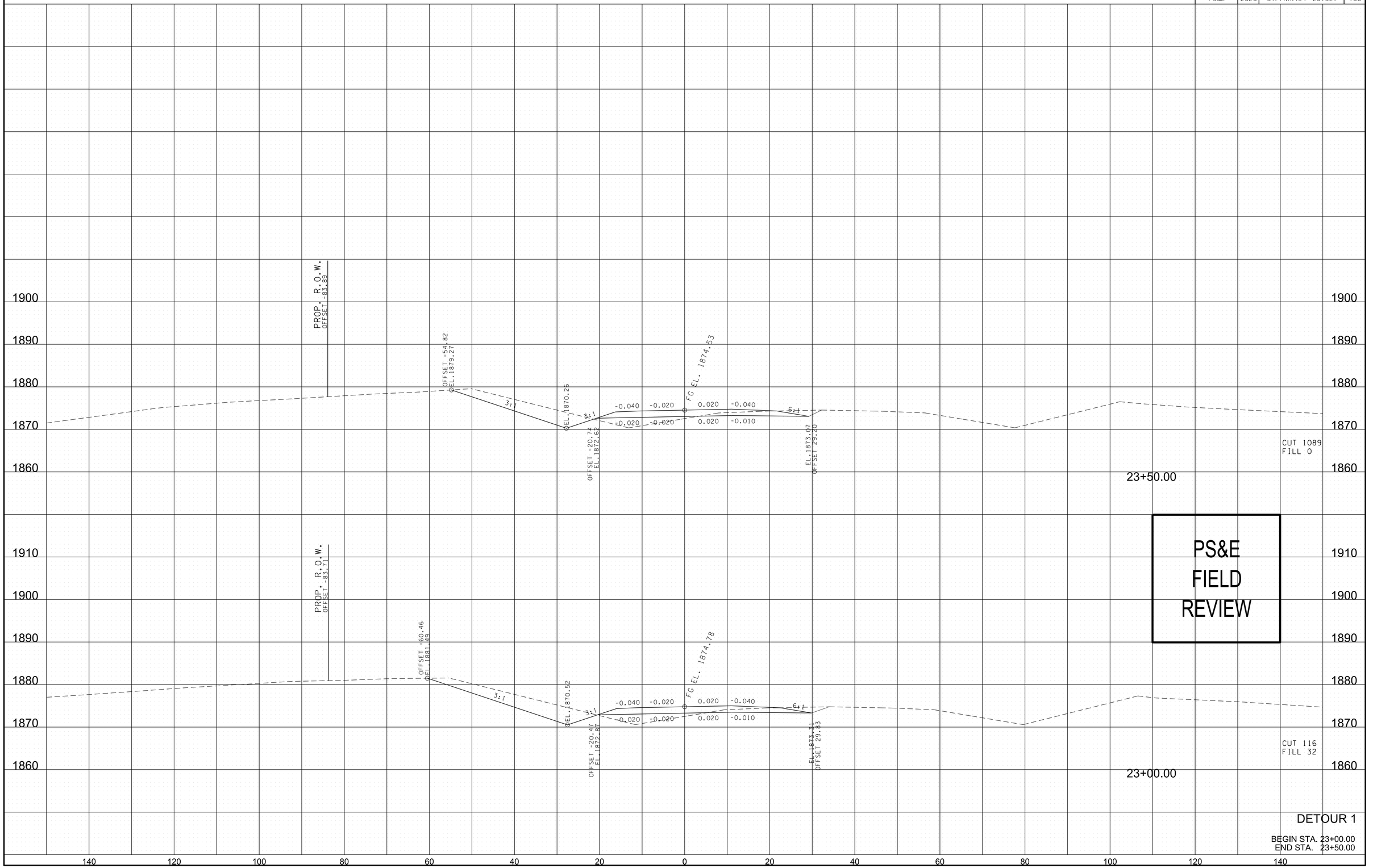
PS&E
FIELD
REVIEW

DETOUR 1

BEGIN STA. 22+00.00
END STA. 22+50.00

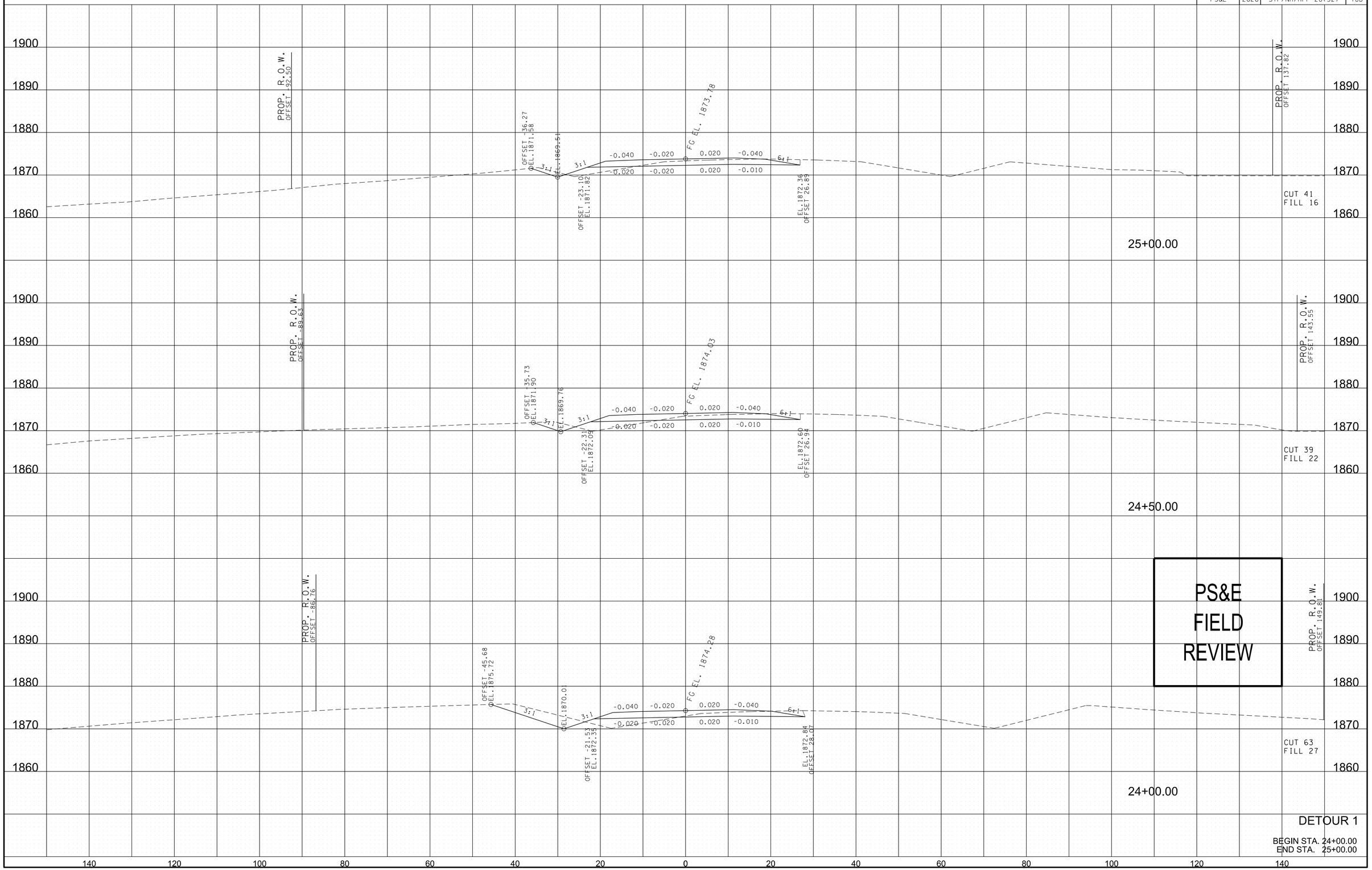
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T8C
PS&E	2026	STP/NH/HPP-28(32)	T8C



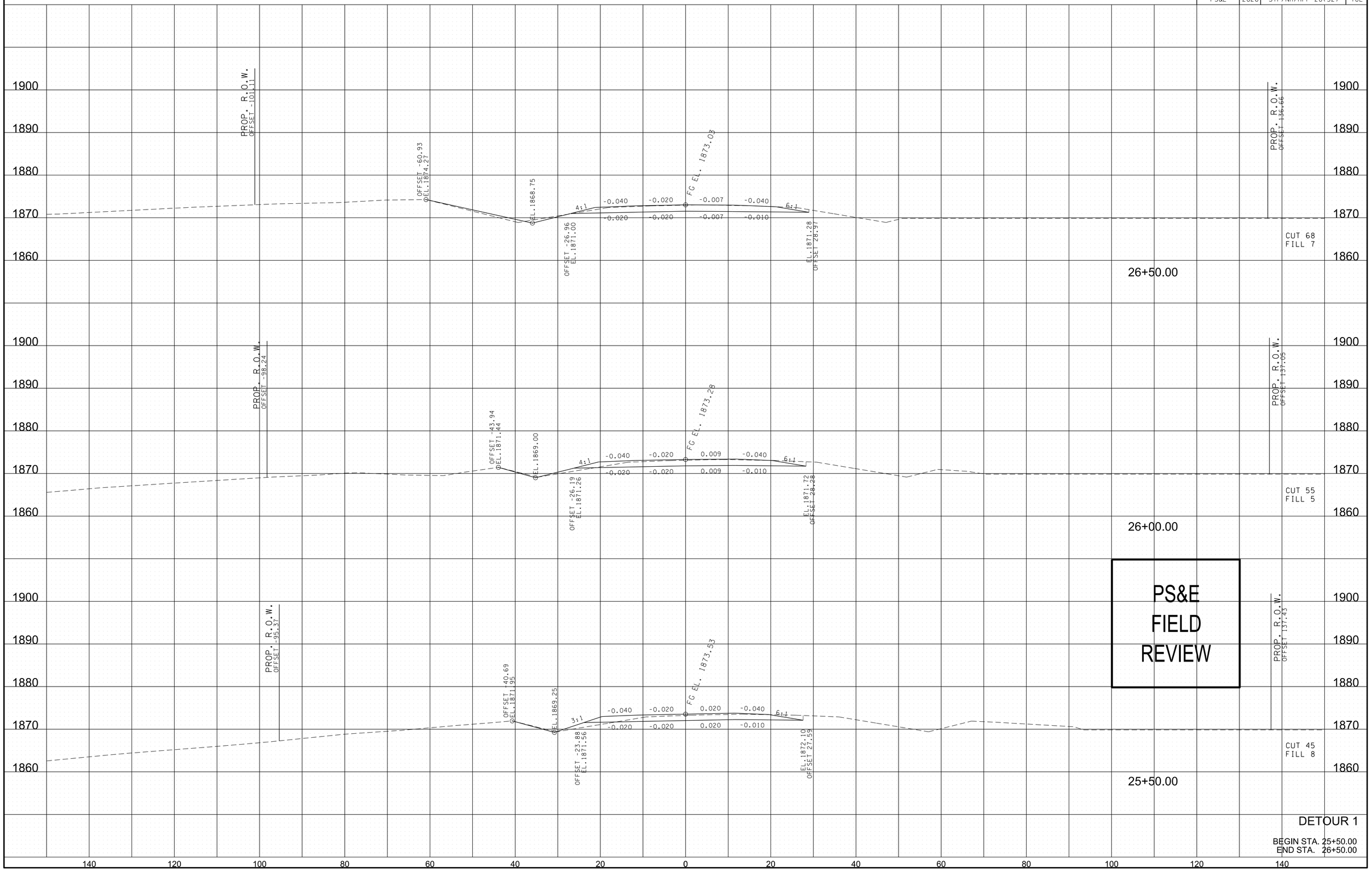
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T8D
PS&E	2026	STP/NH/HPP-28(32)	T8D



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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



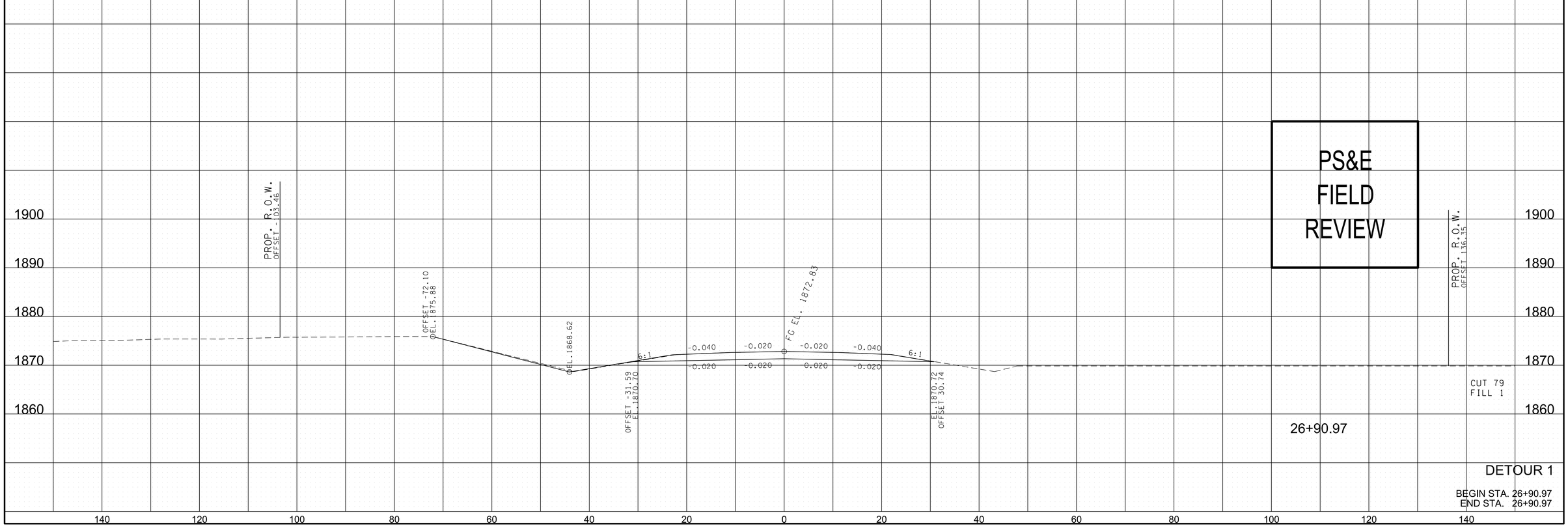
PS&E
FIELD
REVIEW

DETOUR 1

BEGIN STA. 25+50.00
END STA. 26+50.00

1/30/2026
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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



PS&E
FIELD
REVIEW

CUT 79
FILL 1

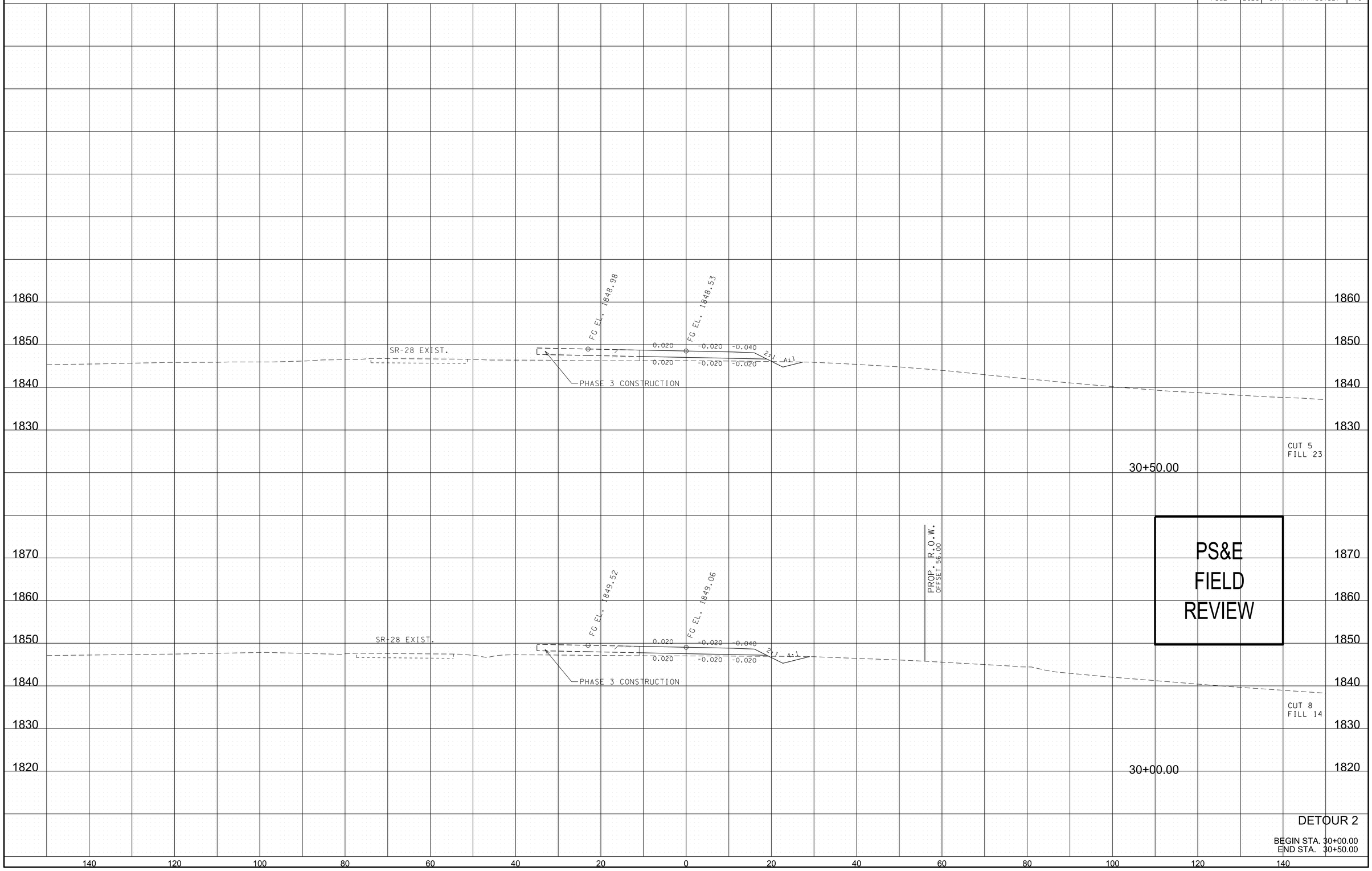
26+90.97

DETOUR 1

BEGIN STA. 26+90.97
END STA. 26+90.97

1/30/2026
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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



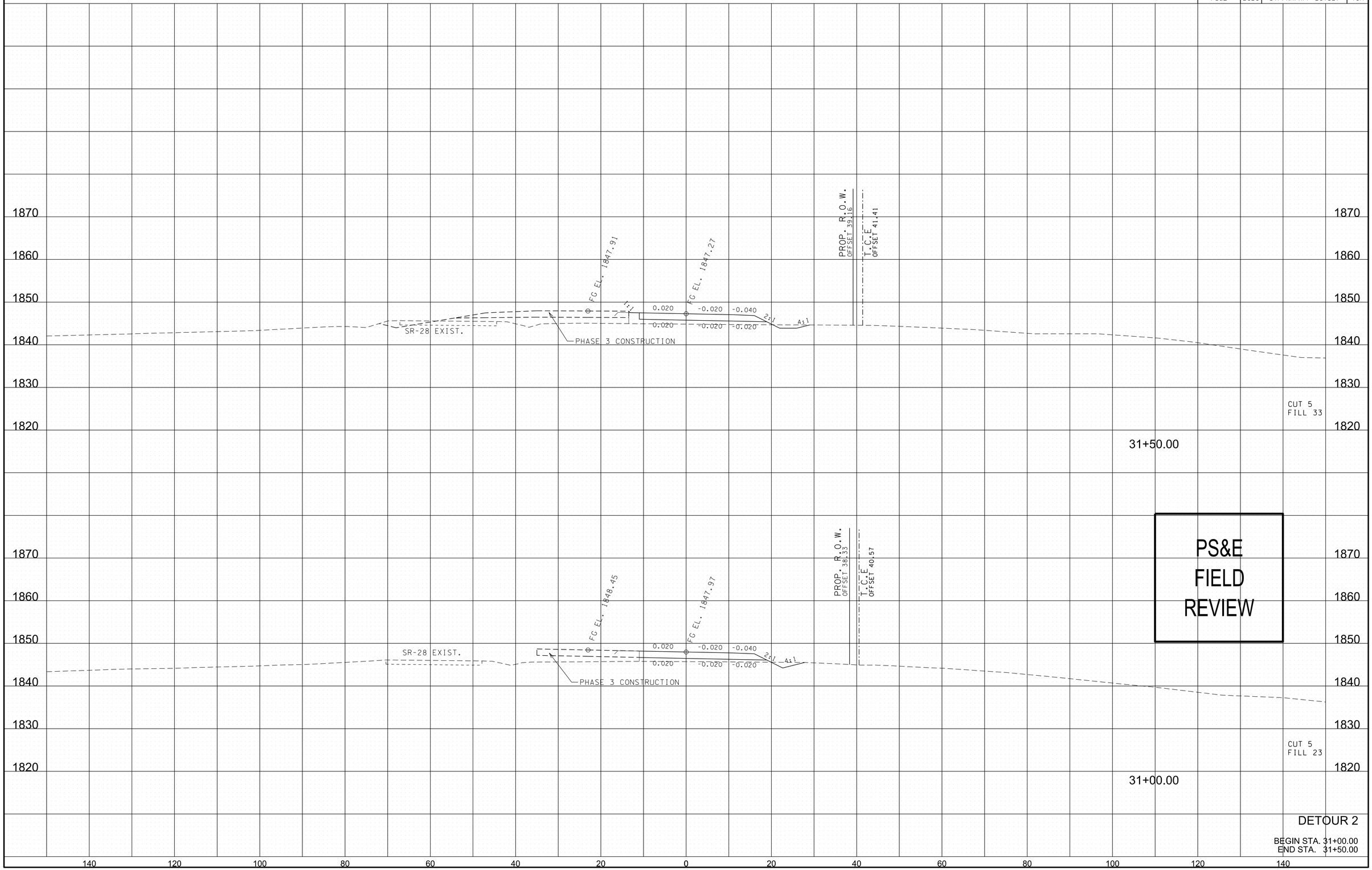
PS&E FIELD REVIEW

DETOUR 2

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

1/30/2026
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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



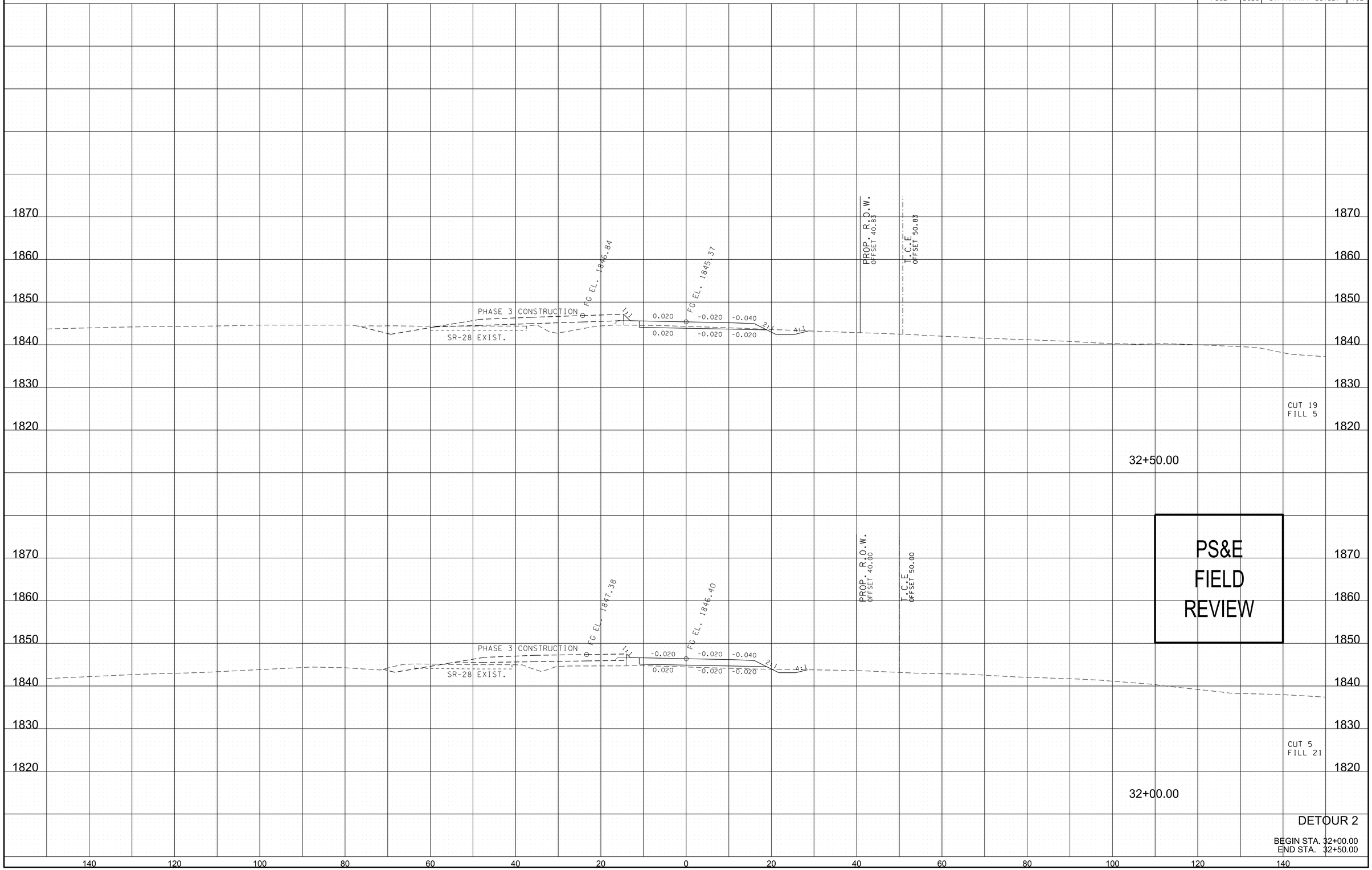
PS&E
FIELD
REVIEW

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



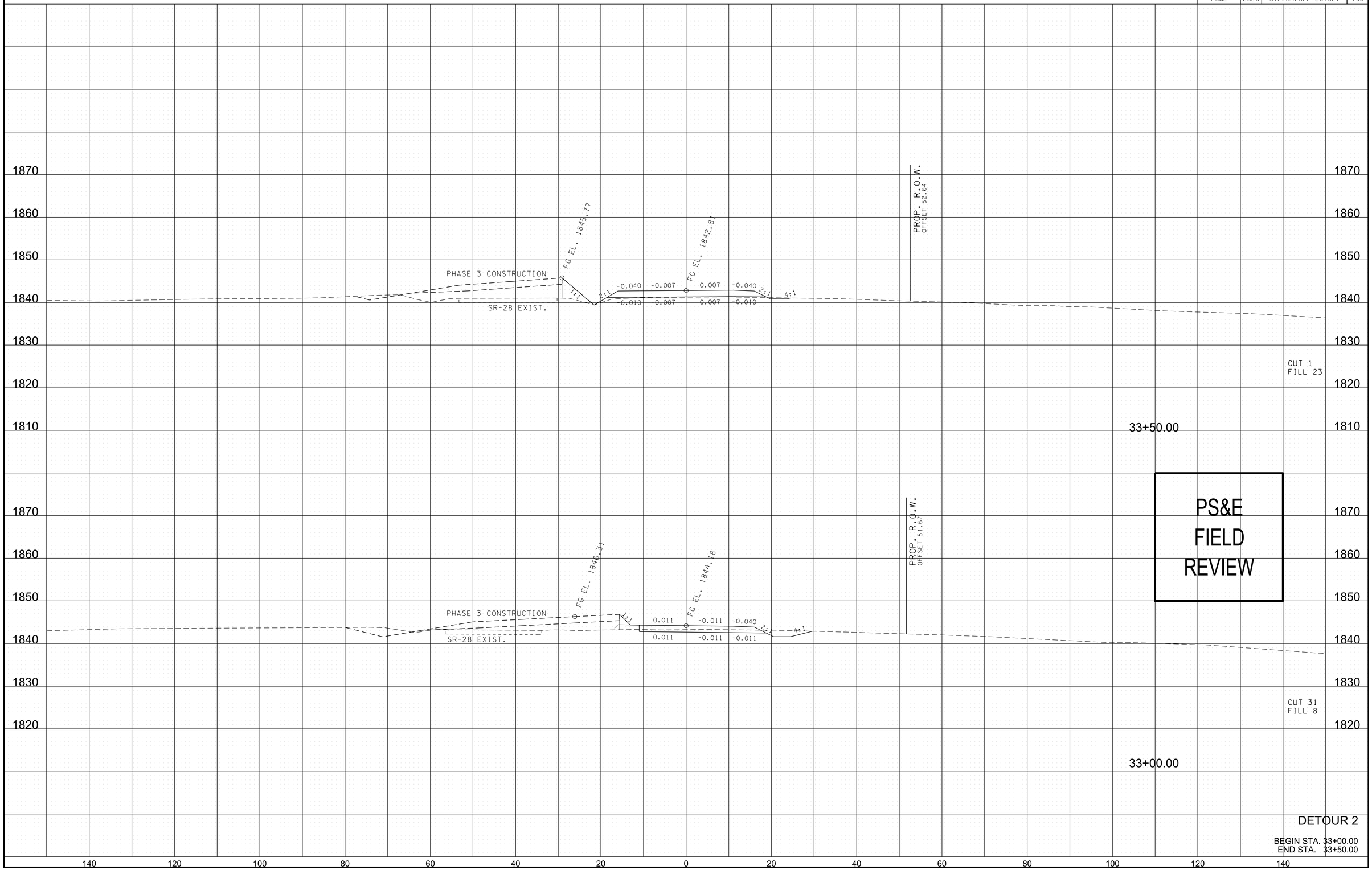
PS&E FIELD REVIEW

DETOUR 2

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

1/30/2026
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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



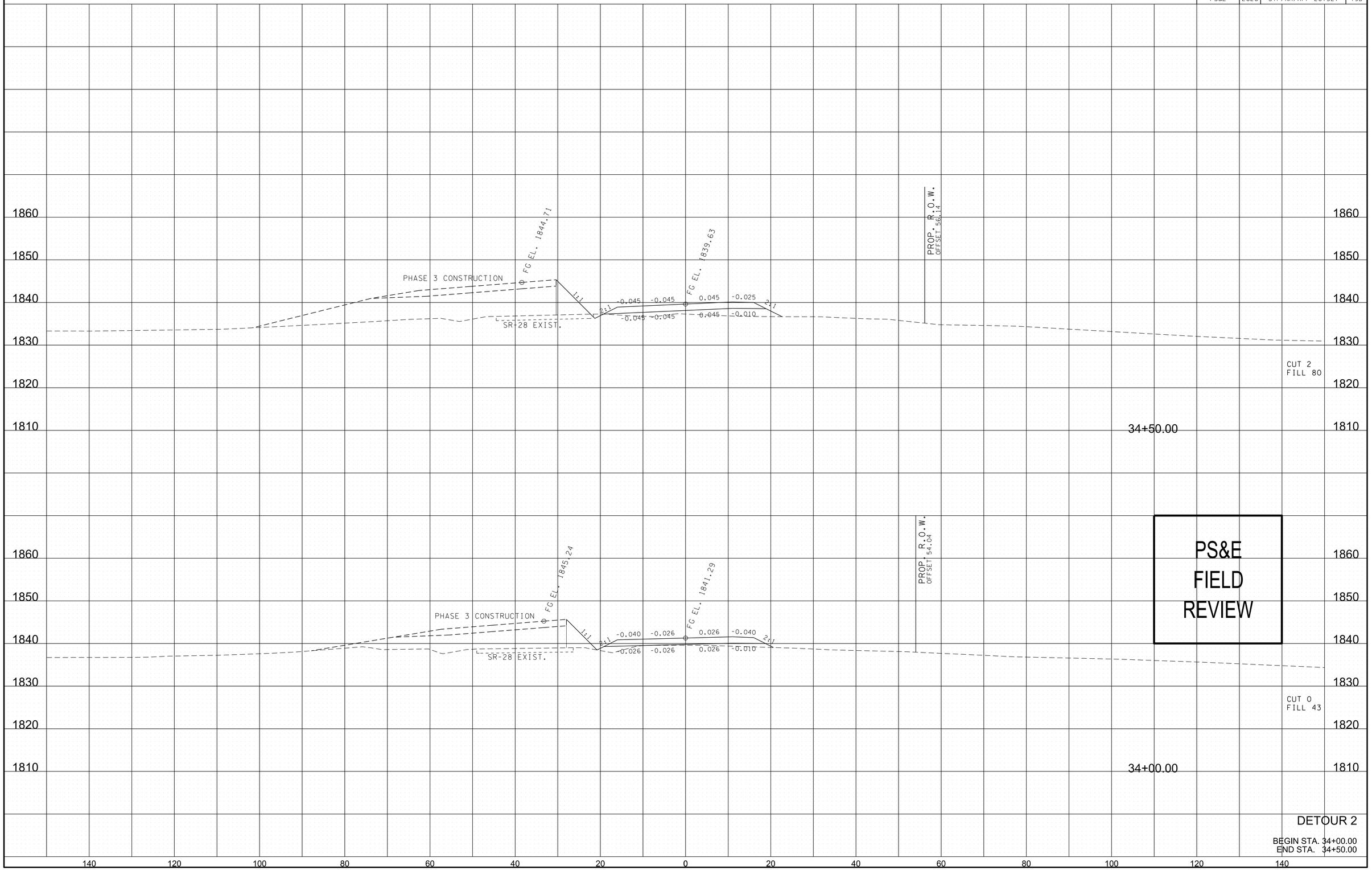
PS&E FIELD REVIEW

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



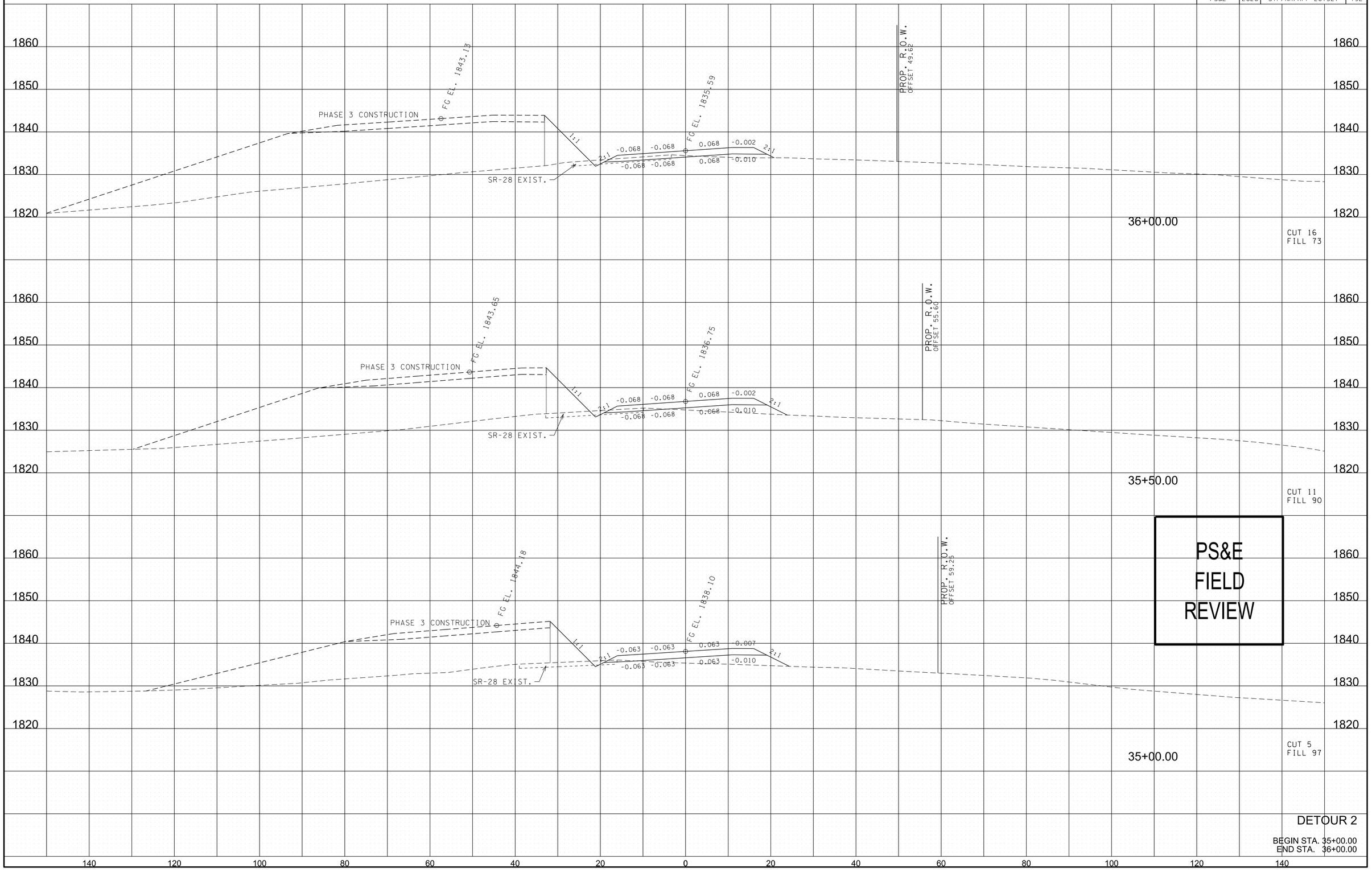
PS&E FIELD REVIEW

DETOUR 2

BEGIN STA. 34+00.00
END STA. 34+50.00

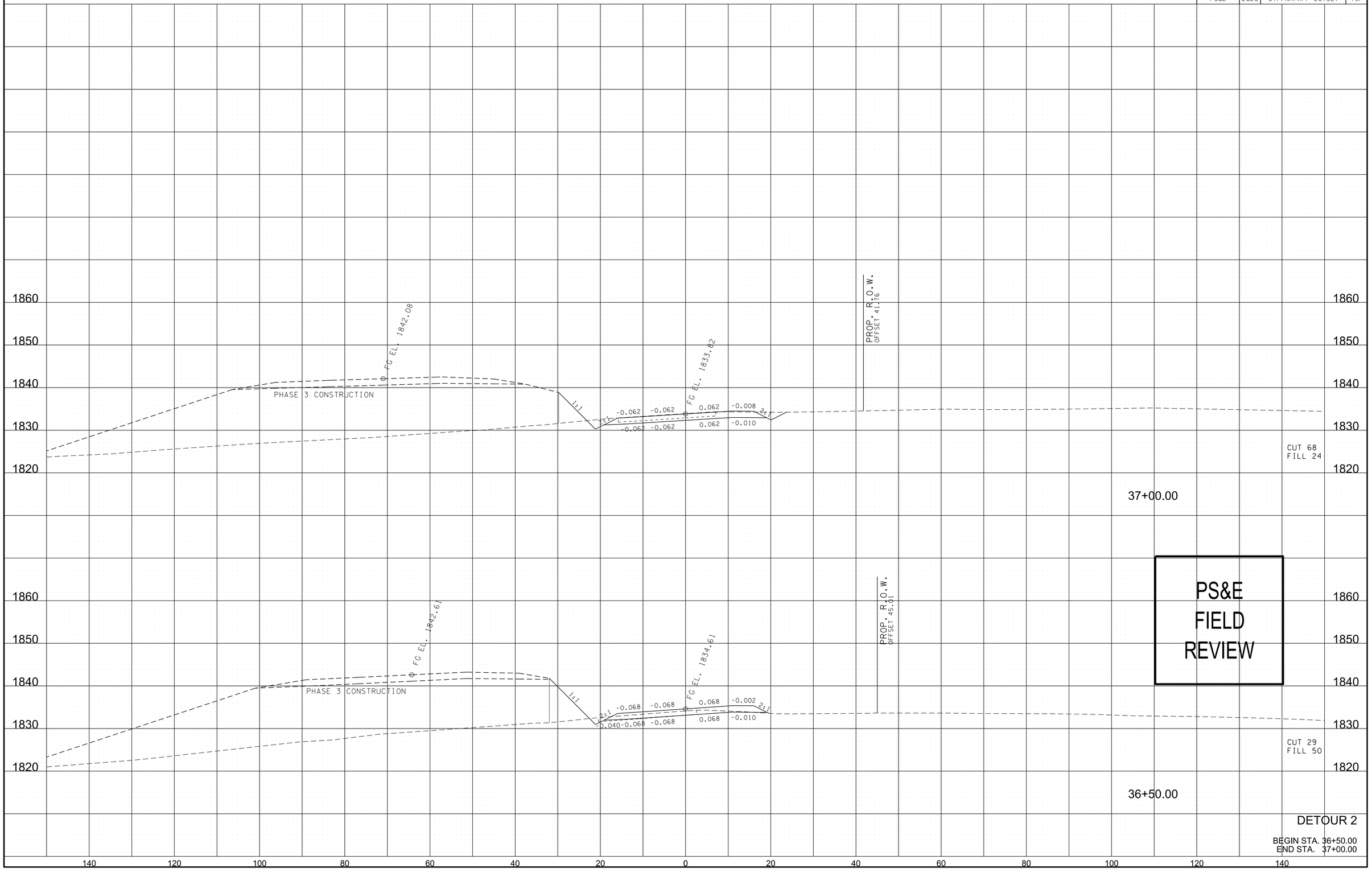
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T9E
PS&E	2026	STP/NH/HPP-28(32)	T9E



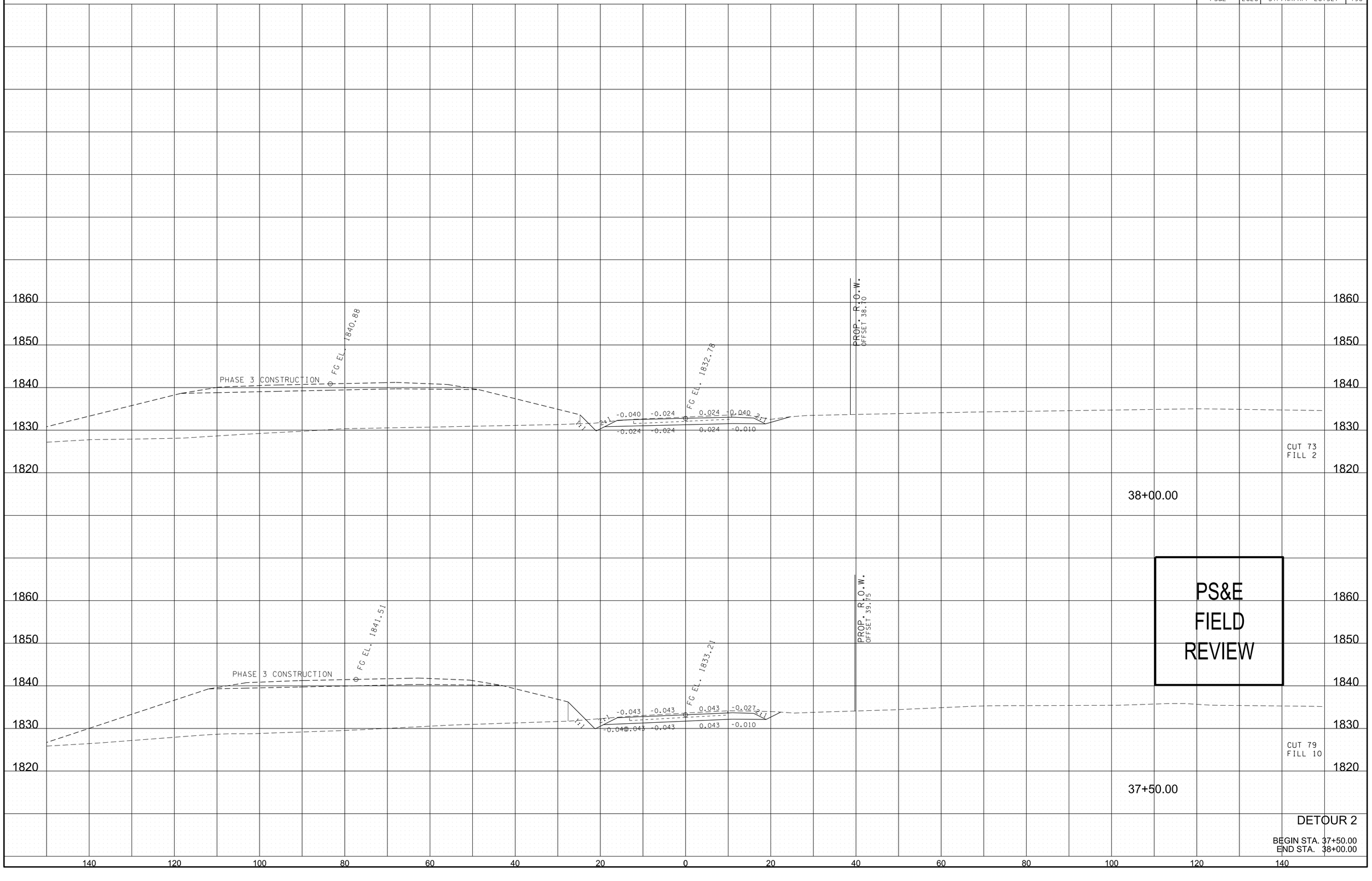
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T9F
PS&E	2026	STP/NH/HPP-28(32)	T9F



1/30/2026
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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



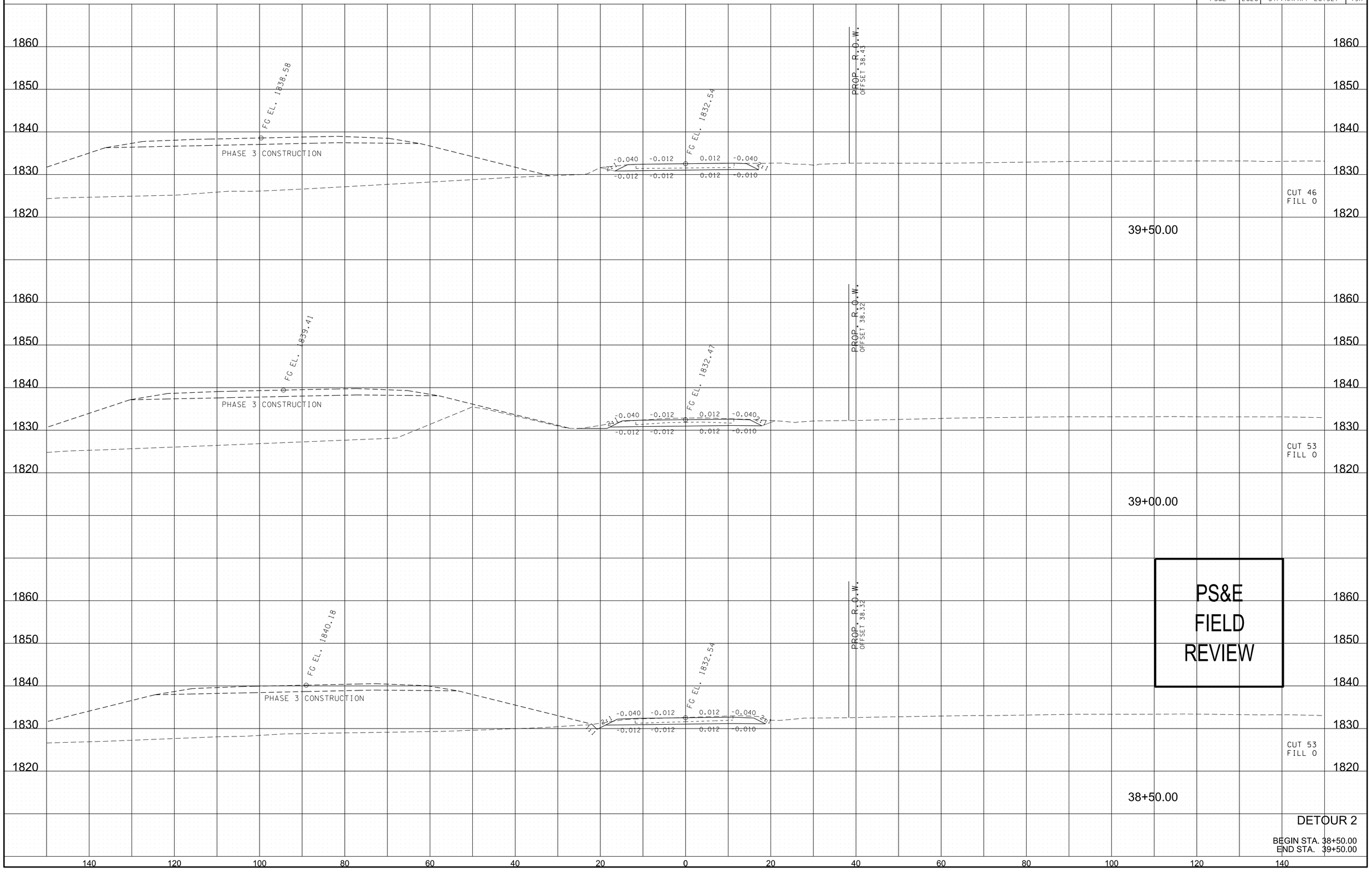
PS&E FIELD REVIEW

DETOUR 2

BEGIN STA. 37+50.00
END STA. 38+00.00

1/30/2026
P:\2009\090019\SaInfrastructure\Cad\Geopak\T9.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T9H
PS&E	2026	STP/NH/HPP-28(32)	T9H



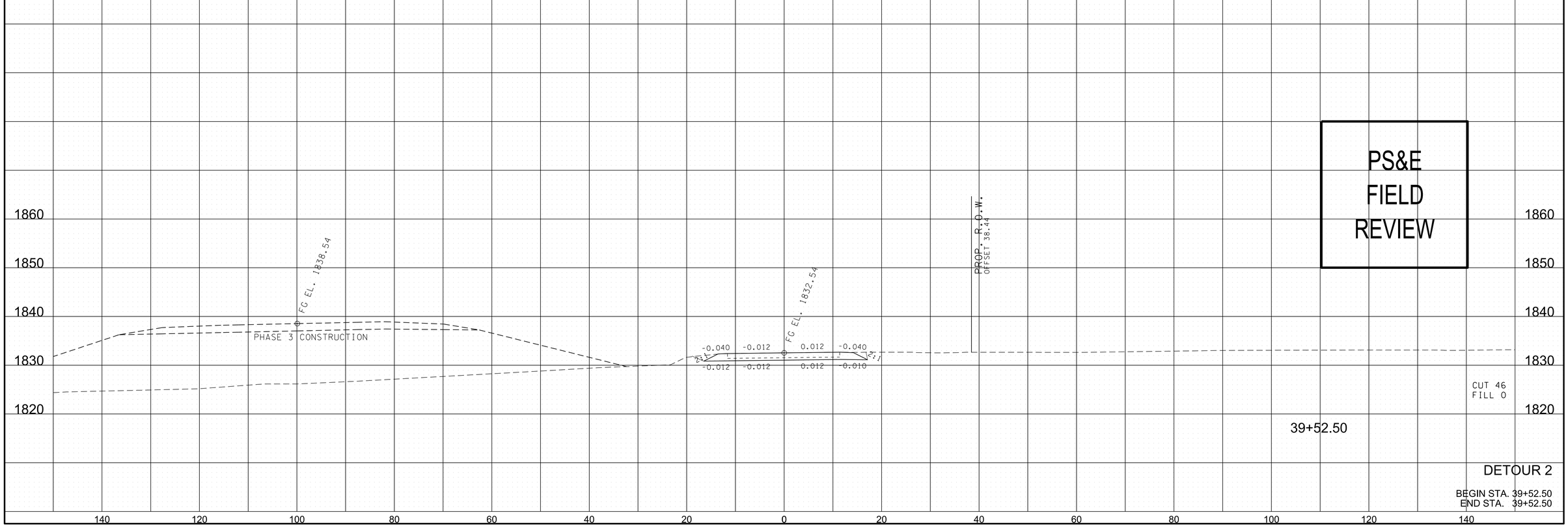
PS&E FIELD REVIEW

DETOUR 2

BEGIN STA. 38+50.00
END STA. 39+50.00

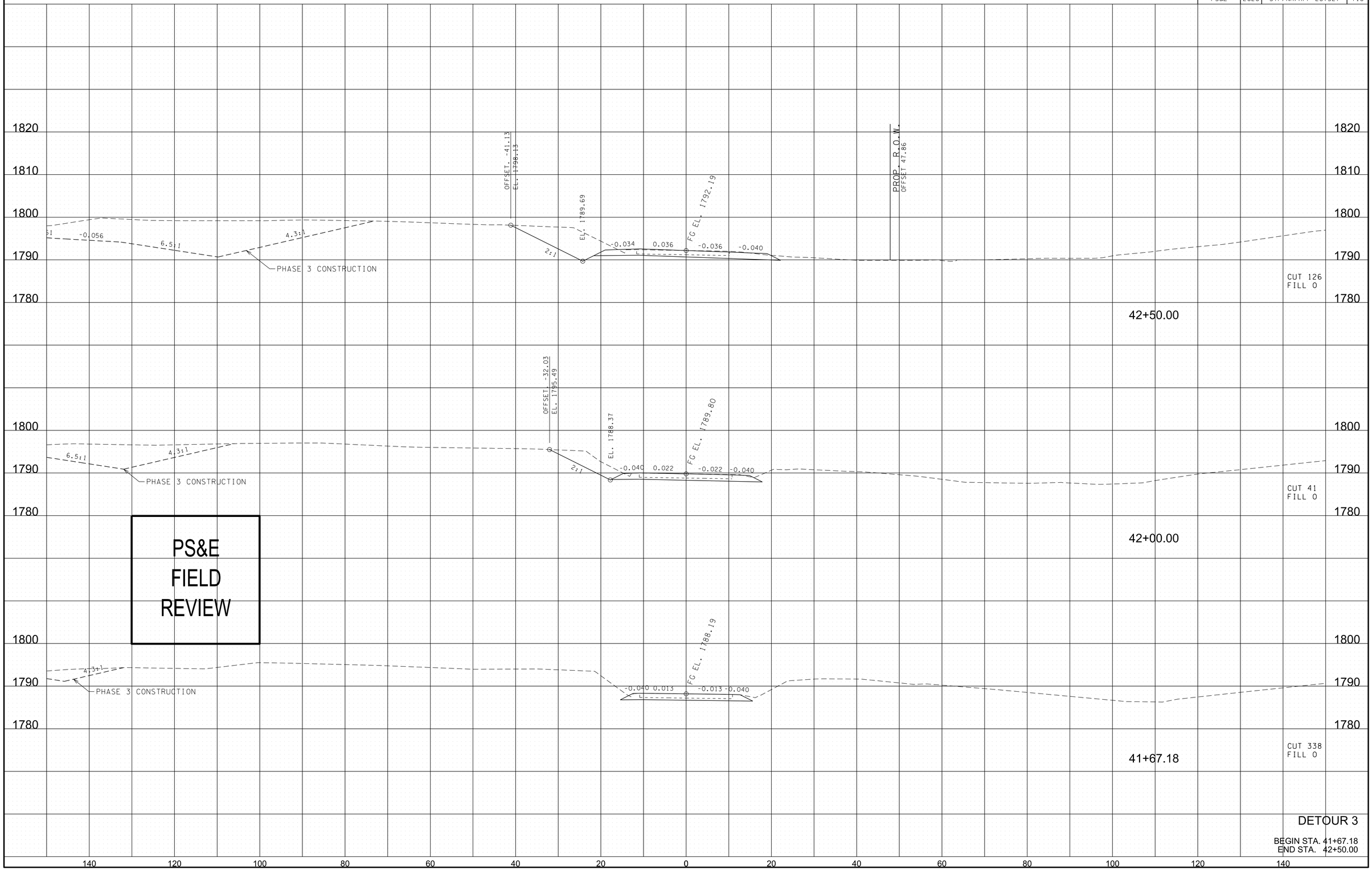
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T9J
PS&E	2026	STP/NH/HPP-28(32)	T9J



1/30/2026
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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



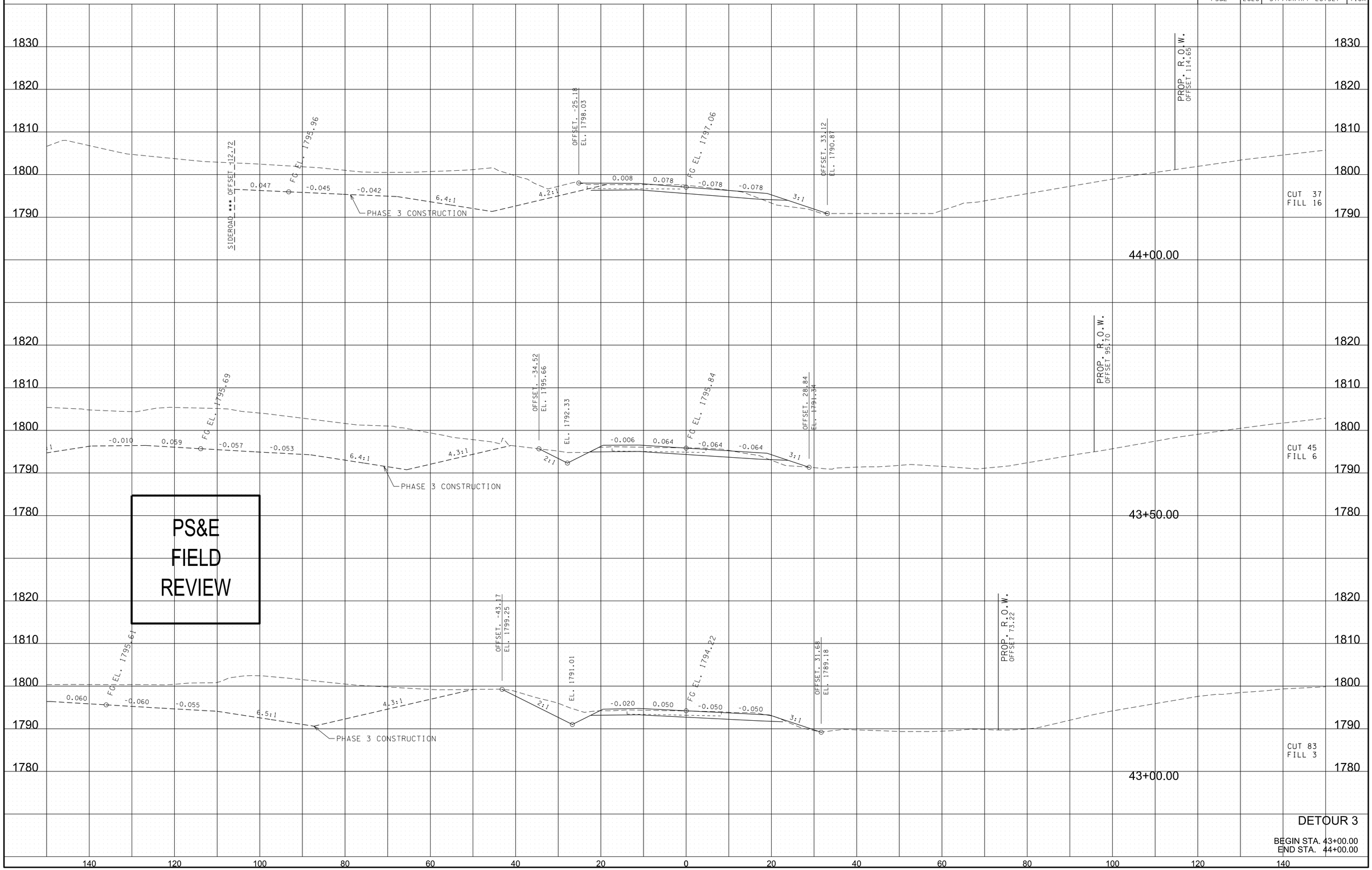
PS&E
FIELD
REVIEW

DETOUR 3

BEGIN STA. 41+67.18
END STA. 42+50.00

1/30/2026
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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



PS&E
FIELD
REVIEW

DETOUR 3

BEGIN STA. 43+00.00
END STA. 44+00.00

1/30/2026
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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

PS&E
FIELD
REVIEW

45+00.00

PROP. R.O.W.
OFFSET 142.12

OFFSET. -25.10
EL. 1800.21

FG EL. 1796.96

FG EL. 1798.31

OFFSET. 28.16
EL. 1793.74

2:1:1
6.2:1
-0.039
0.023
-0.021
-0.039
6.2:1
4.1:1
6:1
0.010
0.080
-0.080
-0.080
3:1

PHASE 3 CONSTRUCTION

CUT 0
FILL 68

44+50.00

PROP. R.O.W.
OFFSET 129.94

SIDEROAD *** OFFSET -12.58

FG EL. 1796.38

OFFSET. -22.19
EL. 1799.28

FG EL. 1797.86

OFFSET. 30.94
EL. 1792.36

0.035
-0.033
-0.038
6.3:1
4.2:1
6:1
0.010
0.080
-0.080
-0.080
3:1

PHASE 3 CONSTRUCTION

CUT 19
FILL 38

DETOUR 3

BEGIN STA. 44+50.00
END STA. 45+00.00

1840
1830
1820
1810
1800
1790

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

1/30/2026
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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

1850 1840 1830 1820 1810 1800 1790

3:1
SR-28 EXIST
6:1
-0.040 -0.011 0.012 -0.013 0.057 -0.057 -0.057
4:1 3:1 4:1 2:1
PHASE 3 CONSTRUCTION
FG EL. 1799.49
OFFSET. -25.44
EL. 1797.28
FG EL. 1799.73
EL. 1795.65
OFFSET. 40.20
EL. 1803.25

CUT 35
FILL 38

46+50.00

1820 1810 1800 1790

2:1
SR-28 EXIST
6.1:1
-0.040 -0.000 -0.001 -0.040 0.008 0.078 -0.078 -0.078
6.1:1 4:1 2:1 2:1
PHASE 3 CONSTRUCTION
OFFSET. -41.9
EL. 1800.20
FG EL. 1798.52
FG EL. 1799.11
EL. 1794.55
OFFSET. 36.78
EL. 1800.36

PS&E
FIELD
REVIEW

CUT 43
FILL 100

46+00.00

1820 1810 1800 1790

2:1
SR-28 EXIST
6.1:1
-0.039 0.011 -0.010 -0.039 0.010 0.080 -0.080 -0.080
6.1:1 4.1:1 2:1 2:1
PHASE 3 CONSTRUCTION
FG EL. 1797.67
OFFSET. -21.2
EL. 1799.69
FG EL. 1798.71
EL. 1793.57
OFFSET. 29.29
EL. 1795.10

CUT 5
FILL 76

45+50.00

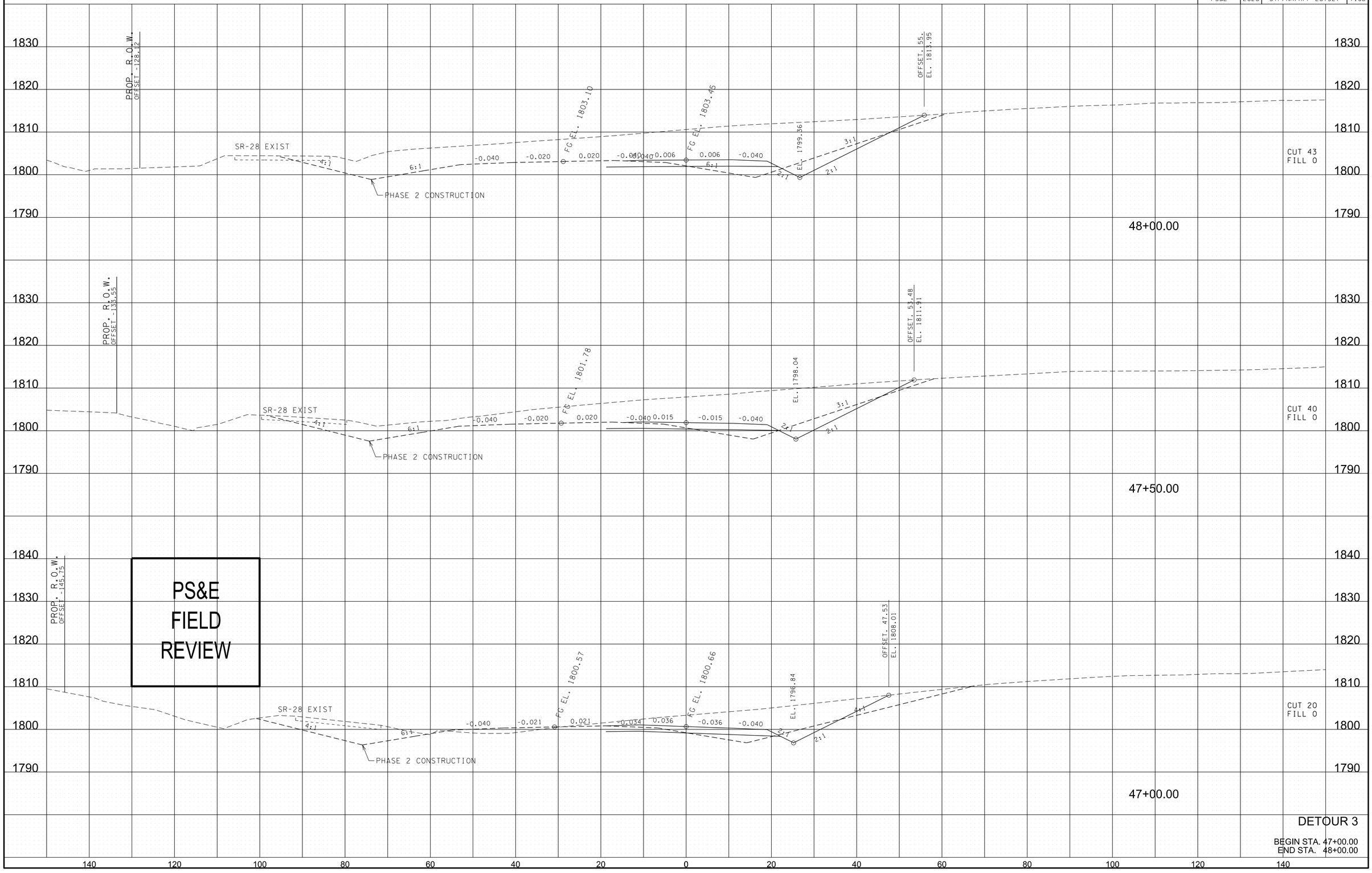
DETOUR 3

BEGIN STA. 45+50.00
END STA. 46+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)	T10D
PS&E	2026	STP/NH/HPP-28(32)	T10D



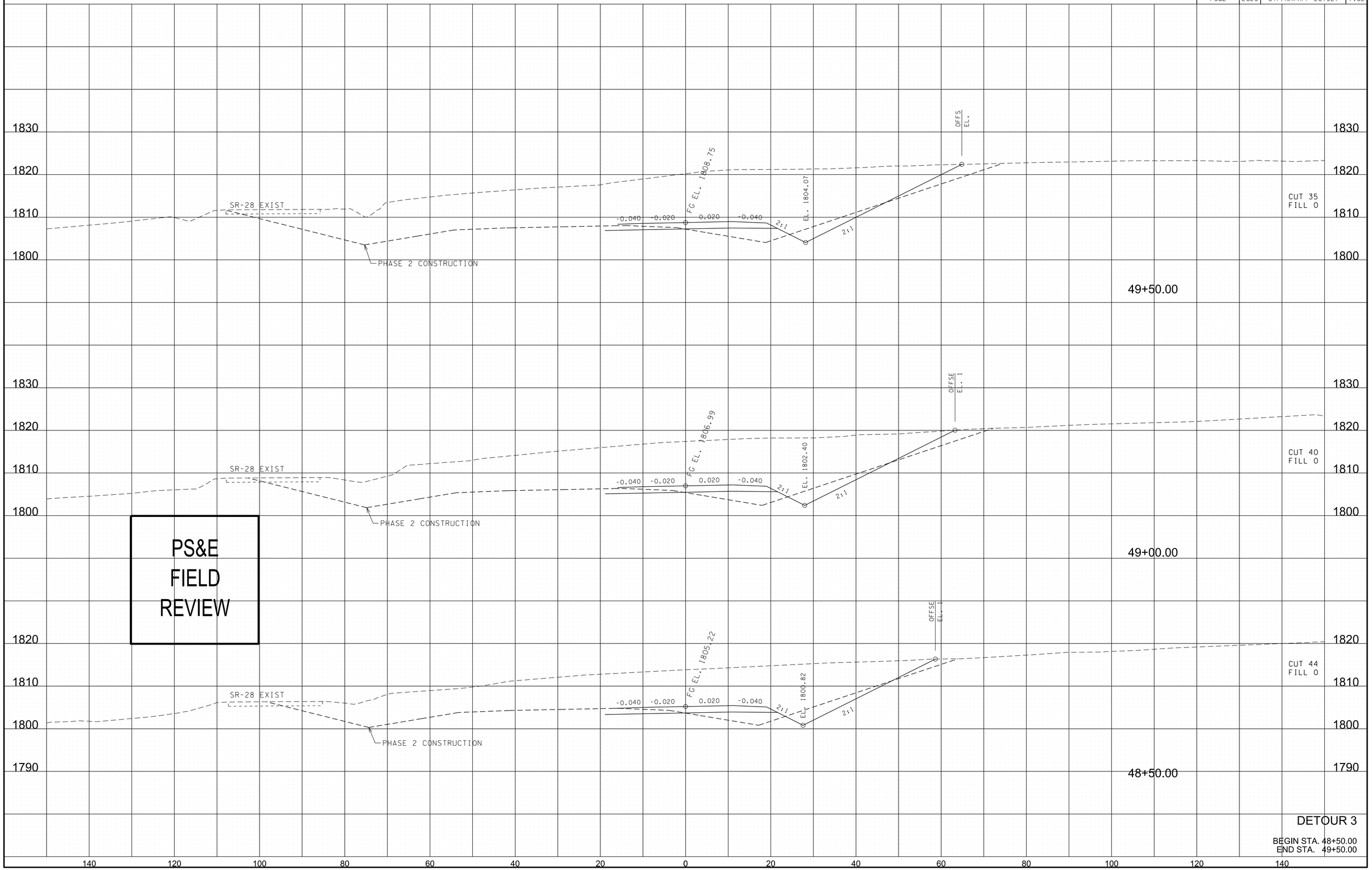
PS&E FIELD REVIEW

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



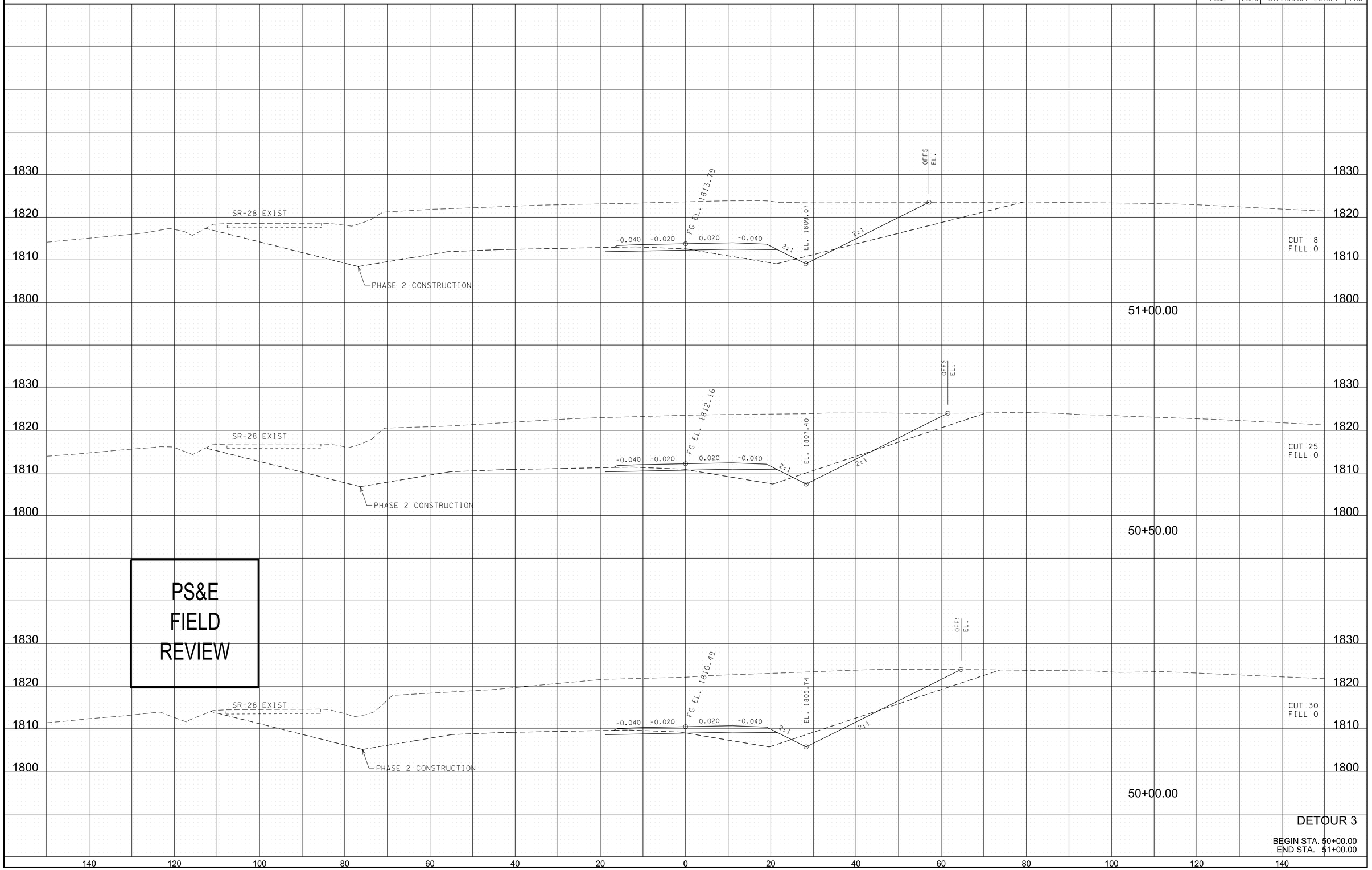
PS&E
FIELD
REVIEW

DETOUR 3

BEGIN STA. 48+50.00
END STA. 49+50.00

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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



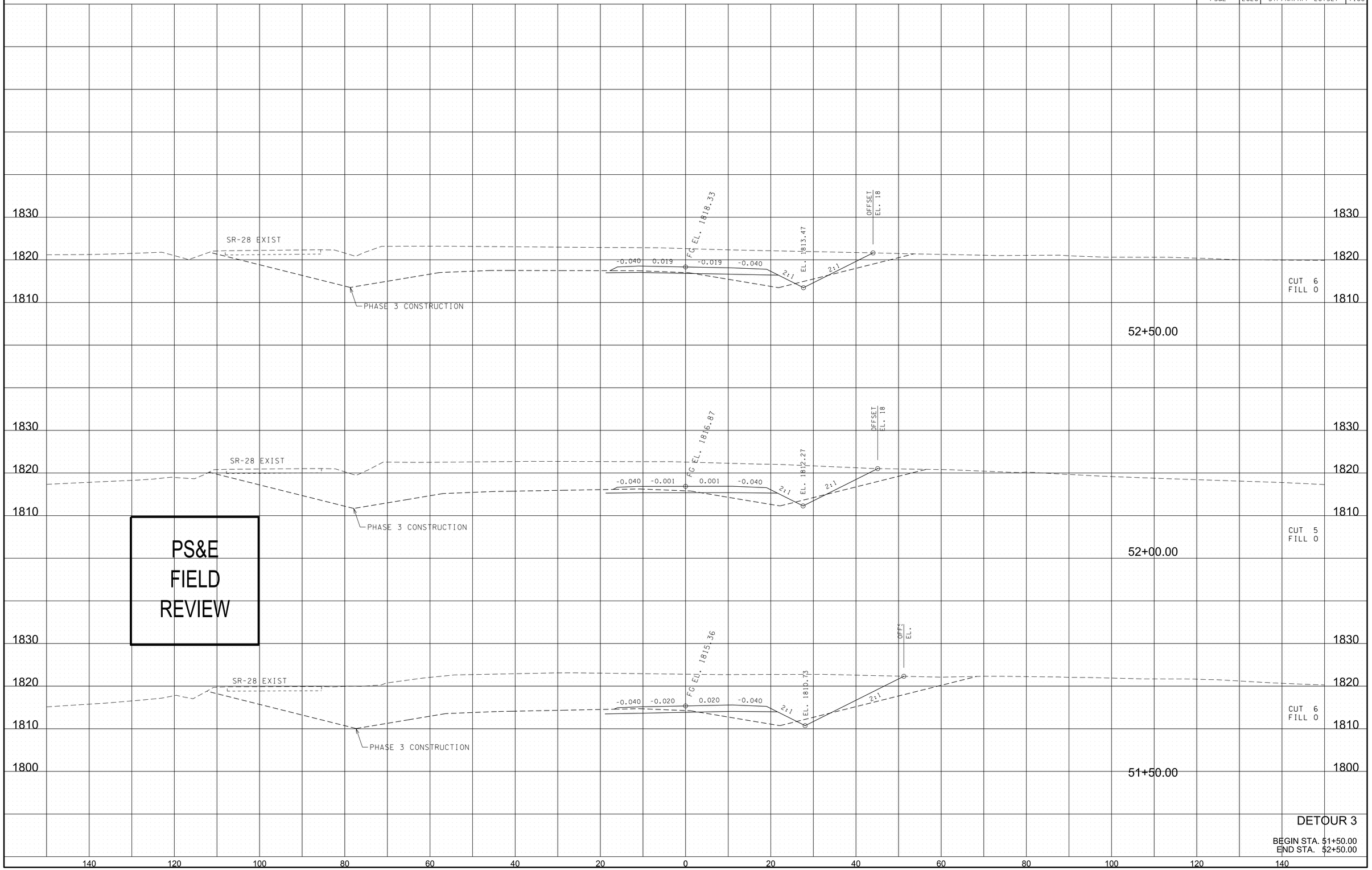
PS&E
FIELD
REVIEW

DETOUR 3

BEGIN STA. 50+00.00
END STA. 51+00.00

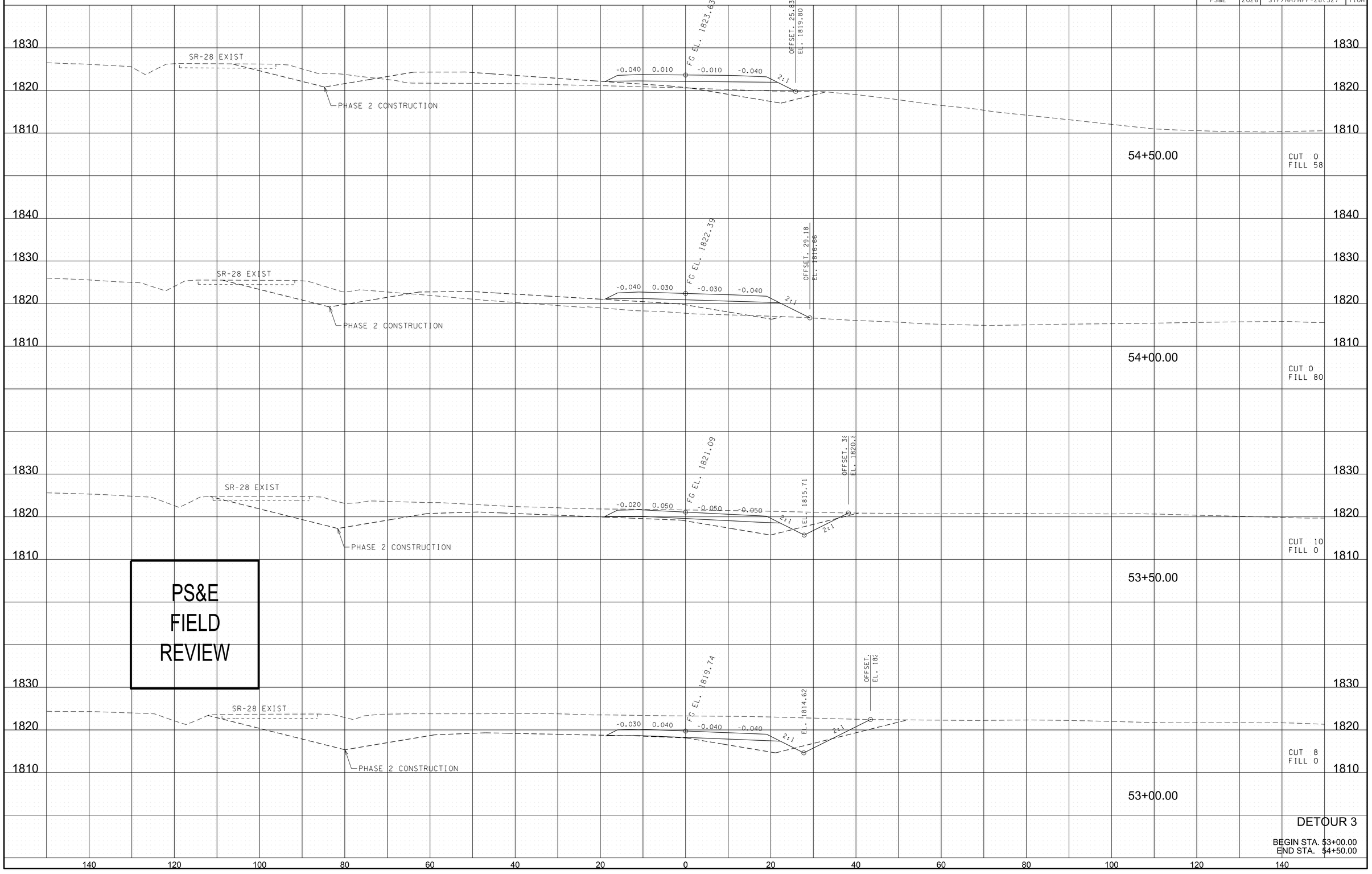
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T10G
PS&E	2026	STP/NH/HPP-28(32)	T10G



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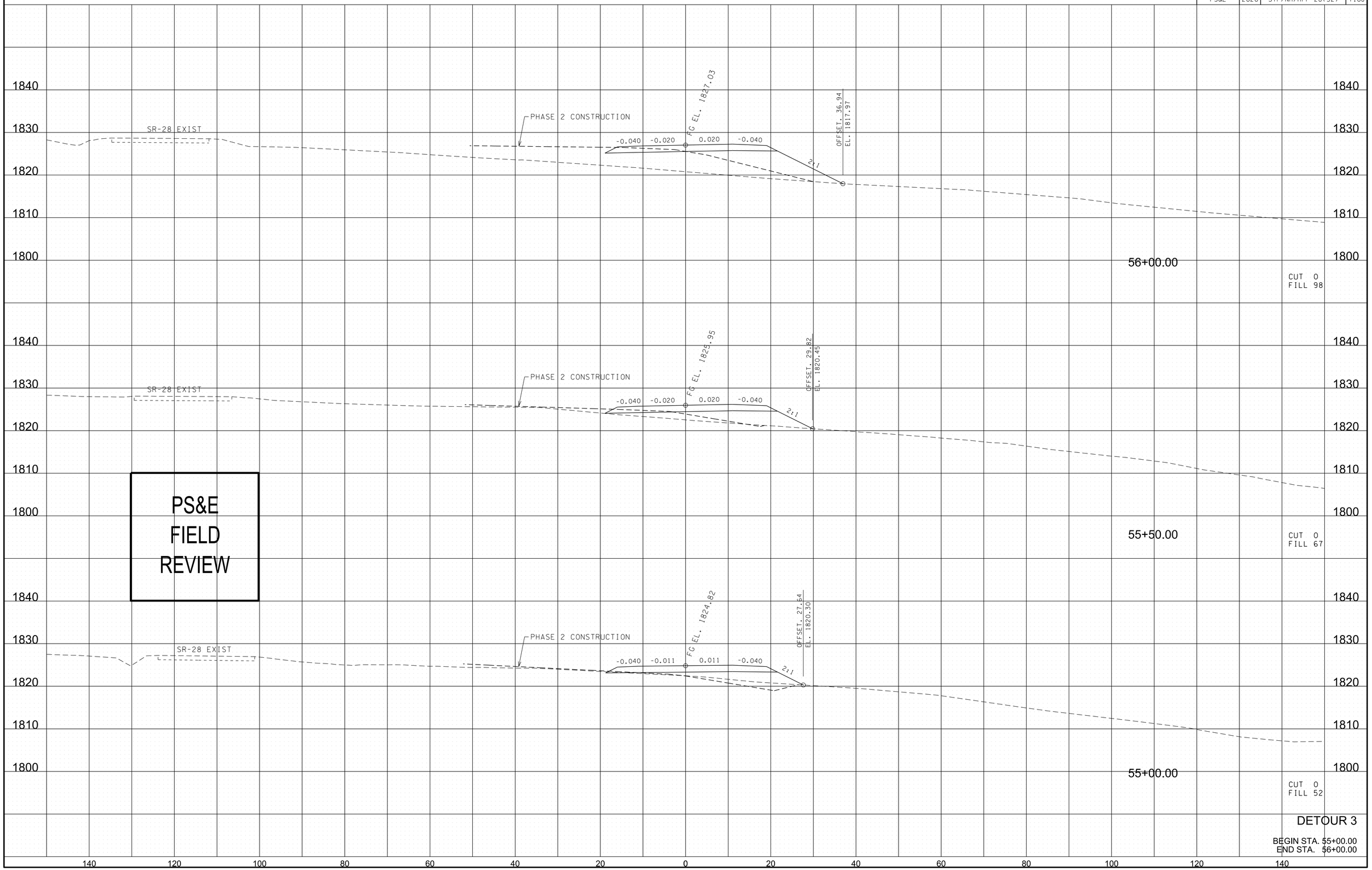
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	STP/NH/HPP-28(32)	T10H
PS&E	2026	STP/NH/HPP-28(32)	T10H



PS&E
FIELD
REVIEW

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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



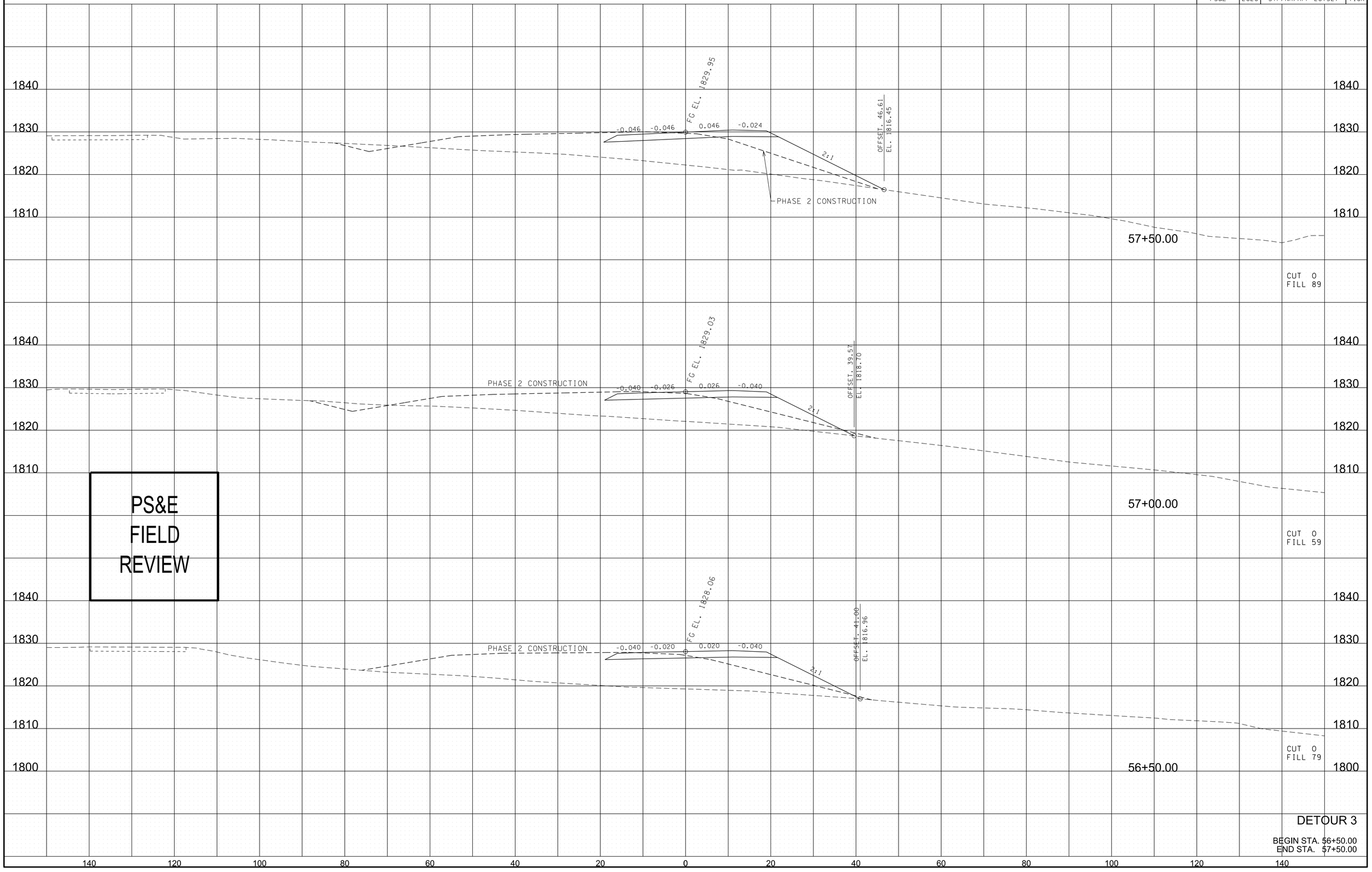
PS&E
FIELD
REVIEW

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



PS&E
FIELD
REVIEW

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

1850
1840
1830
1820
1810

FG EL. 1832.37
-0.040 -0.003 0 0.003 -0.040
PHASE 2 CONSTRUCTION
59+00.00
CUT 0
FILL 0

1840
1830
1820
1810

FG EL. 1831.62
-0.040 -0.024 0 0.024 -0.040
2:1
OFFSET. 29.96
EL. 1826.07
PHASE 2 CONSTRUCTION
58+50.00
CUT 0
FILL 9

PS&E
FIELD
REVIEW

1840
1830
1820
1810

FG EL. 1830.81
-0.044 -0.044 0 0.044 -0.026
PHASE 2 CONSTRUCTION
2:1
OFFSET. 41.81
EL. 1819.99
58+00.00
CUT 0
FILL 49

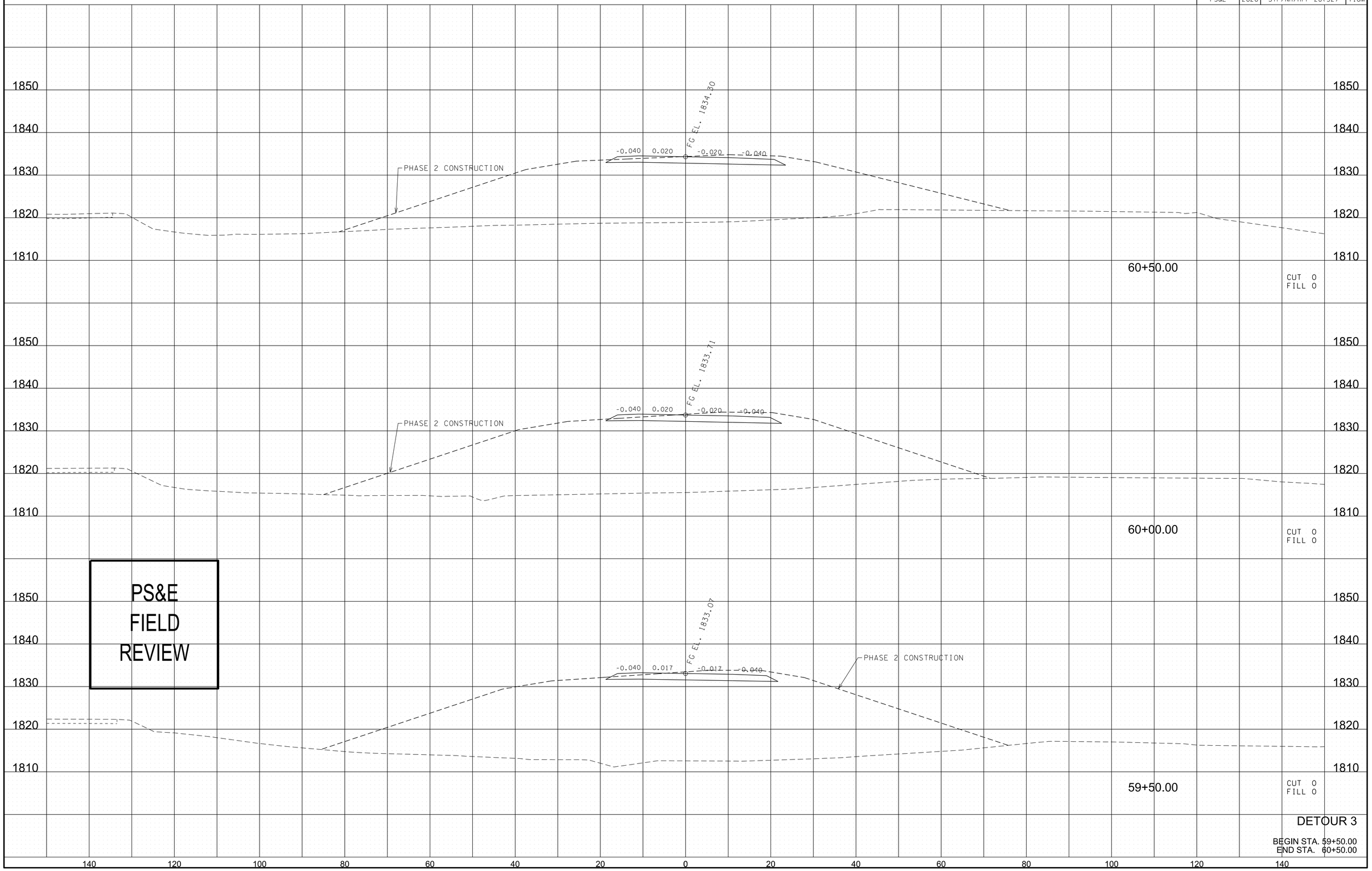
DETOUR 3

BEGIN STA. 58+00.00
END STA. 59+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.
PIH	2026	STP/NH/HPP-28(32)	T10M
PS&E	2026	STP/NH/HPP-28(32)	T10M



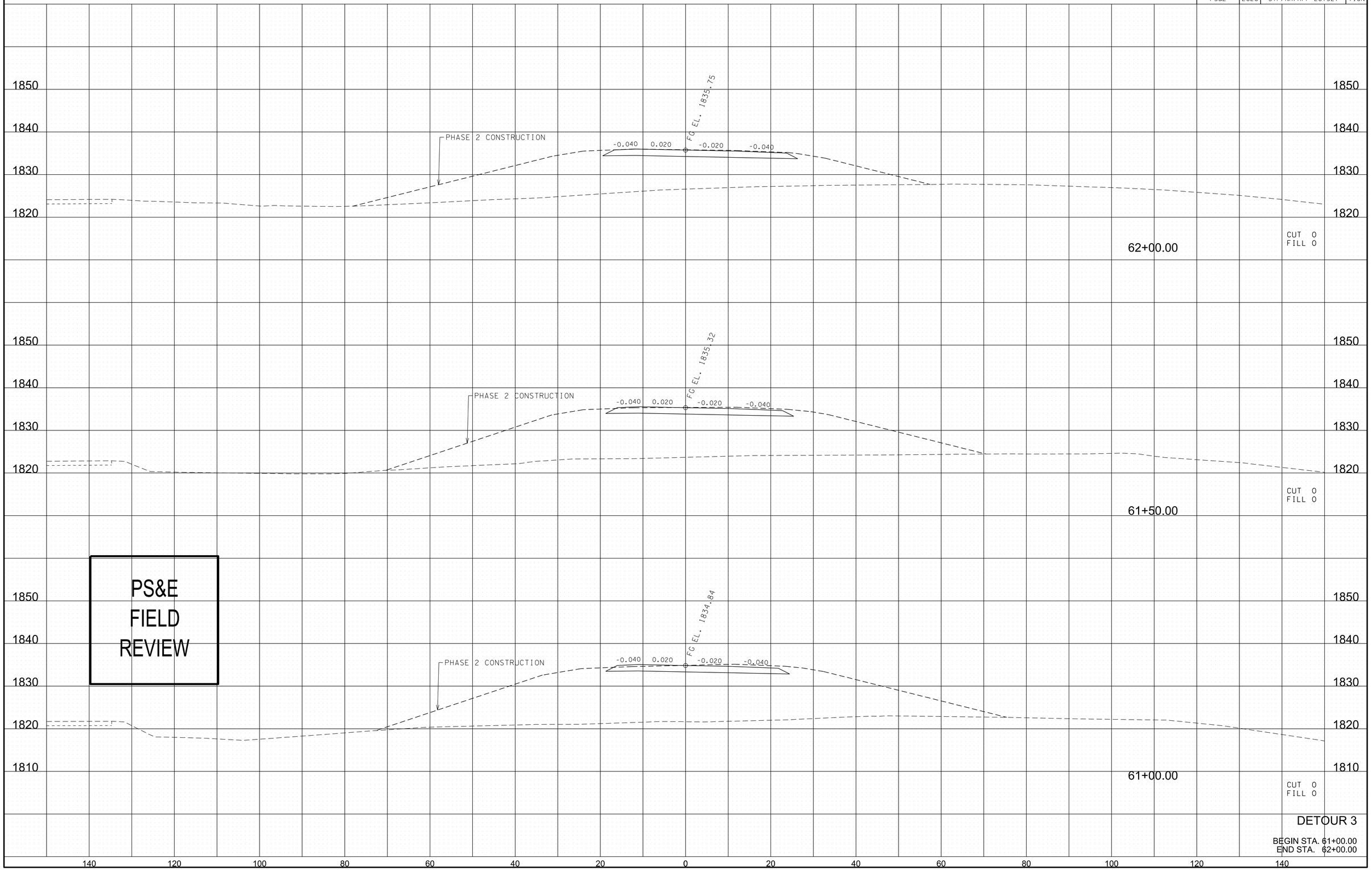
PS&E
FIELD
REVIEW

DETOUR 3

BEGIN STA. 59+50.00
END STA. 60+50.00

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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



PS&E
FIELD
REVIEW

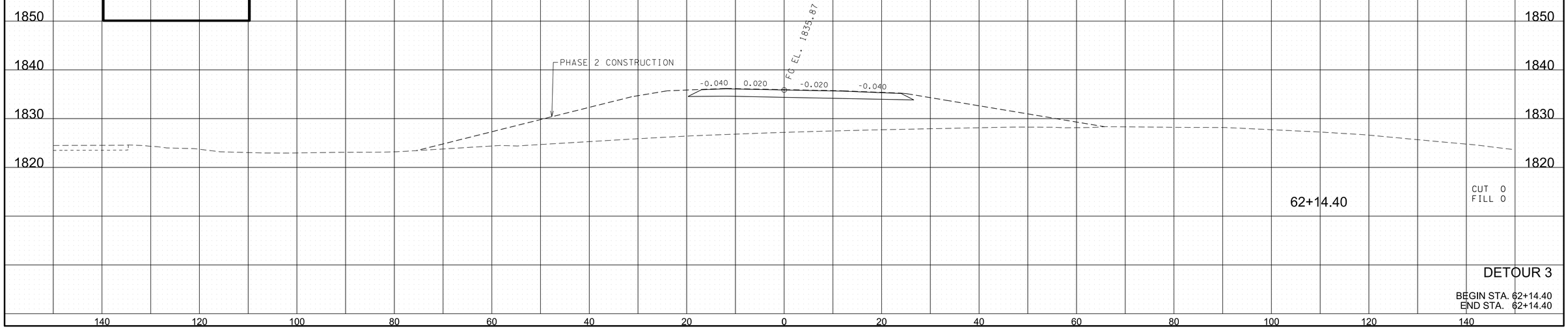
DETOUR 3

BEGIN STA. 61+00.00
END STA. 62+00.00

1/30/2026
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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

PS&E
FIELD
REVIEW



DETOUR 3

BEGIN STA. 62+14.40
END STA. 62+14.40

1/30/2026
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CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	B-1

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

BRIDGE NO. 1

LIST OF DRAWINGS	DWG. NO.	LAST REV. DATE
SIGNATURE SHEET	STRUCTURE-SIGN1	
INDEX OF BRIDGES	B-1	
ESTIMATED QUANTITIES	B-2	
INDEX OF DRAWINGS	U-95-589	
LAYOUT OF BRIDGE	U-95-590	
GENERAL NOTES	U-95-591	
BRIDGE 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	

BRIDGE NO. 2

LIST OF DRAWINGS	DWG. NO.	LAST REV. DATE
INDEX OF DRAWINGS	U-95-611	
LAYOUT OF BRIDGE	U-95-612	
GENERAL NOTES	U-95-613	
BRIDGE 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 BULB-TEE BEAM DETAILS SPAN NO. 1	U-95-623	
PRESTRESSED BULB-TEE BEAM DETAILS SPAN NO. 2	U-95-624	
PRESTRESSED BULB-TEE 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	
PIERS 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
REIINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS	STD-1-5	06-05-23
BRIDGE END DRAIN DETAILS 2'×8'-7" AND 4'×8'-7" WITH PAVEMENT AT BRIDGE ENDS	STD-1-6	05-10-21
BRIDGE END DRAIN DETAILS 2'×8'-7" AND 4'×8'-7" WITH PAVEMENT AT BRIDGE ENDS	STD-1-7	05-10-21
BRIDGE END DRAIN DETAILS 2'×8'-7" WITH 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 FINISH DETAILS	STD-8-6	10-03-18
STANDARD REINFORCING BAR SUPPORT DETAILS FOR CONCRETE SLAB	STD-9-1	10-07-08
MISCELLANEOUS ABUTMENT AND DRAINAGE DETAILS	STD-10-1	06-05-23
MISCELLANEOUS ABUTMENT AND PAVEMENT AT BRIDGE ENDS BACKFILL DETAILS	STD-10-2	06-05-23
STANDARD DETAILS AND INTERMEDIATE DIAGRAM 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

PS&E

FIELD

REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INDEX
OF
BRIDGES

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: RIDGE RAMSEY DATE: 12-25

1/29/2026 8:20:39 AM

CONST. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	B-2

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

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+64.00
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)	154	322	476	C.Y.
204-03.01	WET EXCAVATION (BRIDGES)	172		172	C.Y.
204-04.01	ROCK EXCAVATION (BRIDGES)	8		8	C.Y.
204-05	ROCK DRILLING (BRIDGES)	24		24	L.F.
204-05.01	CORE DRILLING AND SAMPLING		201	201	L.F.
204-14	CORE DRILLING FOR PILES (ROCK)	188	117	305	L.F.
204-15	CORE DRILLING FOR PILES (SOIL)	34	13	47	L.F.
303-01.02	GRANULAR BACKFILL (BRIDGES)	36	42	78	TON
604-02.03	EPOXY COATED REINFORCING STEEL	65,845	201,876	267,721	LB.
604-03.01	CLASS A CONCRETE (BRIDGES)	250	248	504	C.Y.
604-03.02	STEEL BAR REINFORCEMENT (BRIDGES)	31,844	97,084	128,928	LB.
604-03.04	PAVEMENT @ BRIDGE ENDS	256	256	512	S.Y.
604-03.09	CLASS D CONCRETE (BIRDGE DECK)	231	595	826	C.Y.
604-04.01	APPLIED TEXTURE FINISH (NEW STRUCTURES)	955	2,359	3,314	S.Y.
604-04.41	THREE STAR STATE EMBLEM	4	4	8	EA.
604-05.31	BRIDGE DECK GROOVING (MECHANICAL)	1,084	2,290	3,374	S.Y.
606-02.03	STEEL PILES (10 INCH)		350	350	L.F.
606-02.06	PILE TIPS (STEEL PILES, 10 INCH)		24	24	EA.
606-03.03	STEEL PILES (12 INCH)	275		275	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)		27	27	V.F.
625-02.13	DRILLED SHAFT - ROCK (5'-6" DIAMETER)		60	60	V.F.
625-02.14	DRILLED SHAFT - ROCK (6'-0" DIAMETER)		69	69	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 REINFORCEMENT STEEL		42,355	42,355	LB.
710-09.01	6" PERFORATED PIE WITH VERTICAL DRAIN SYSTEM	146	168	314	L.F.
710-09.02	6" PIPE UNDERDRAIN	46	84	130	L.F.

PS&E
FIELD
REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
BRIDGE
QUANTITIES

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: RIDGE RAMSEY DATE: 12-25

1/29/2026 8:50:09 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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REVIEW

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

U-95-589

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: DATE:

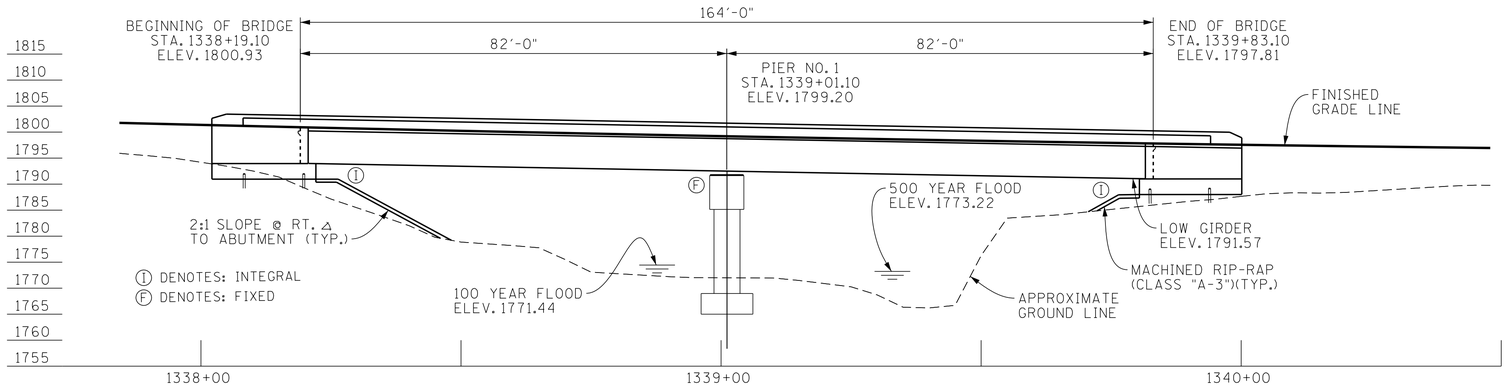
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CONST. NO.: 18008-3230-14

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

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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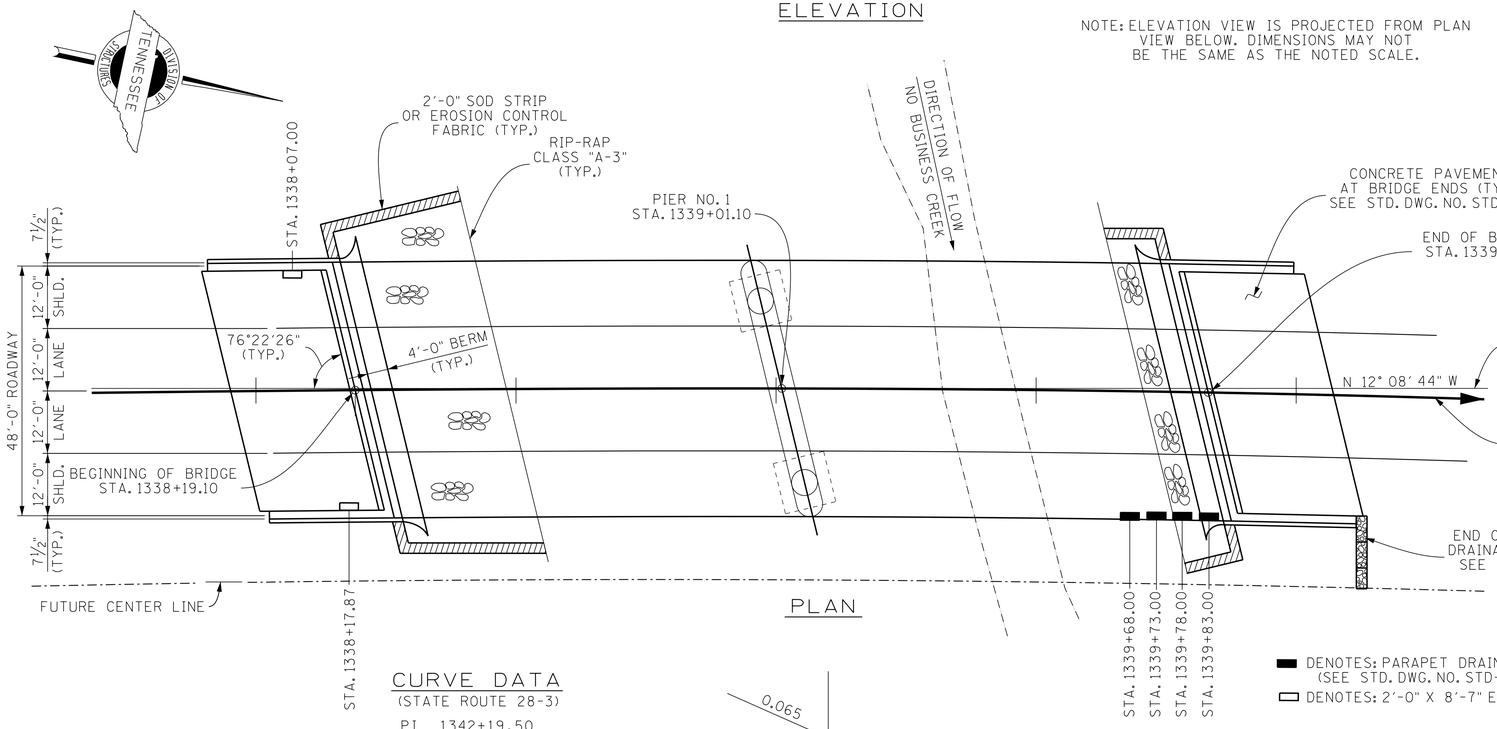


HYDRAULIC DATA

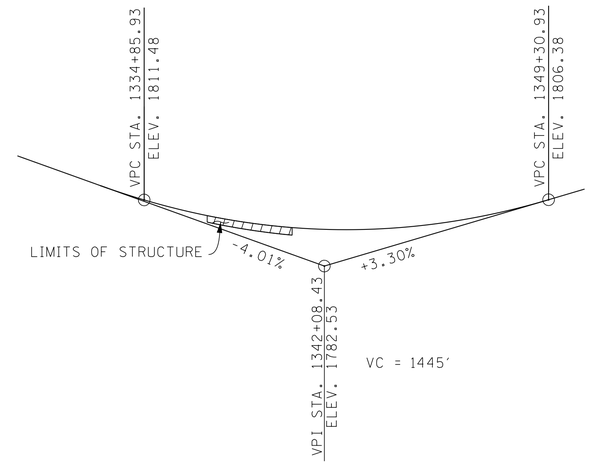
DRAINAGE AREA = 2.85MI.²
DESIGN DISCHARGE (100 YR.) = 1520 CFS
WATER AREA PROVIDED BELOW EL. 1771.4' = 2468.43 FT²
100 YR. VELOCITY = 12.08 FPS
100 YR. BRIDGE BACKWATER = 0.01 FT. @ EL. 1774.44
ROADWAY OVERTOPPING EL. = 1797.81
500 YR. DISCHARGE 2100 CFS @ EL. 1773.22

ELEVATION

NOTE: ELEVATION VIEW IS PROJECTED FROM PLAN VIEW BELOW. DIMENSIONS MAY NOT BE THE SAME AS THE NOTED SCALE.



PLAN



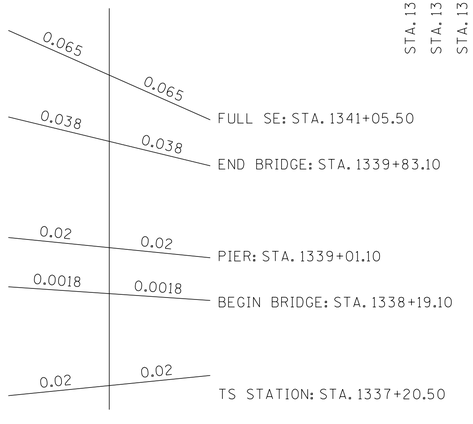
GRADE SKETCH

(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

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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REVIEW

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

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: DATE:

Ted A. Kniazewycz
ENGINEER OF STRUCTURES

MACHINED RIP-RAP (CLASS "A-3") = 82 TONS

U-95-590

1/29/2026 9:08:02 AM

GENERAL NOTES

CONSTRUCTION SPECIFICATIONS: TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (JANUARY 1, 2021 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 D 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 BENTS AND 97 TONS FOR THE ABUTMENTS. 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.

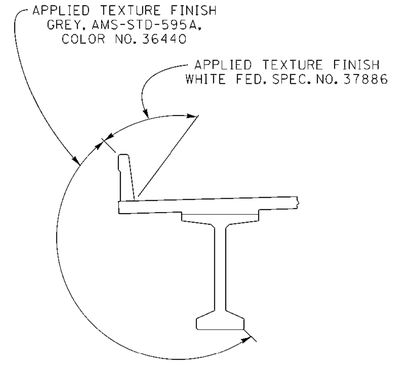
TEXTURE FINISH: IN ADDITION TO THE SURFACES SHOWN IN THE APPLIED TEXTURE FINISH SKETCH, ALL EXPOSED SURFACES OF THE [WINGWALLS, ABUTMENT BEAMS, APRON WALLS, BENTS, AND EXTERIOR PORTIONS OF THE ENDWALLS] SHALL RECEIVE AN APPLIED TEXTURE FINISH, (GRAY, AMS-STD-595A, COLOR NO. 36440).

CONST. NO.: 18008-3230-14

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STP/NH/HPP-28(32)	2026	

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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 AND EXTERIOR PORTIONS OF ENDWALLS SHALL RECEIVE AN APPLIED TEXTURE FINISH (GREY, AMS-STD-595A, COLOR NO. 36440).

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REVIEW

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: DATE:

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CONST. NO.: 18008-3230-14

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

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NO.	DATE	BY	BRIEF DESCRIPTION
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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.	154		77		77
2	204-03.01	WET EXCAVATION (BRIDGES)	C.Y.	172			172	
2	204-04.01	ROCK EXCAVATION (BRIDGES)	C.Y.	8			8	
	204-05	ROCK DRILLING (BRIDGES)	L.F.	24			24	
	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	36		18		18
	604-02.03	EPOXY COATED REINFORCING STEEL	LB.	65,845	62,046	1,892		1,907
7	604-03.01	CLASS A CONCRETE (BRIDGES)	C.Y.	250		58	135	57
	604-03.02	STEEL BAR REINFORCEMENT (BRIDGES)	LB.	31,844	1,155	6,769	17,105	6,815
1	604-03.04	PAVEMENT @ BRIDGE ENDS	S.Y.	256				
	604-03.09	CLASS D CONCRETE (BRIDGE DECK)	C.Y.	233	233			
	604-04.01	APPLIED TEXTURE FINISH (NEW STRUCTURES)	S.Y.	955	583	111	150	111
	604-04.41	THREE STAR STATE EMBLEM	EA.	4		2		2
	604-05.31	BRIDGE DECK GROOVING (MECHANICAL)	S.Y.	1,084	1,084			
	606-03.03	STEEL PILES (12 INCH)	L.F.	275		165		110
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 FINAL PROFILE AT PIERS.

(3) **NOTE:** THE COST OF (WATER STOPS, BITUMINOUS-FIBERBOARD, EPOXY JOINTS, 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.

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: DATE:

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FIELD
REVIEW

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

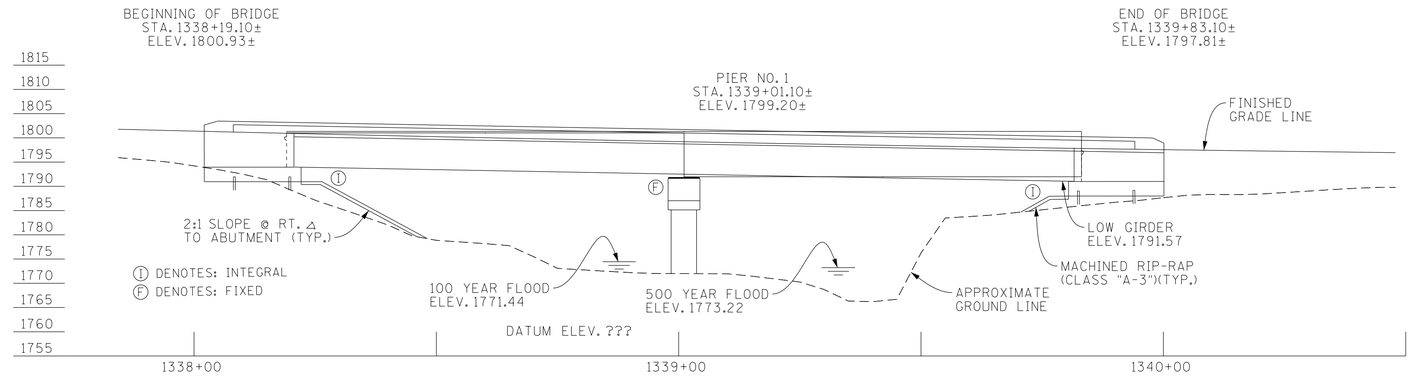
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REVISIONS

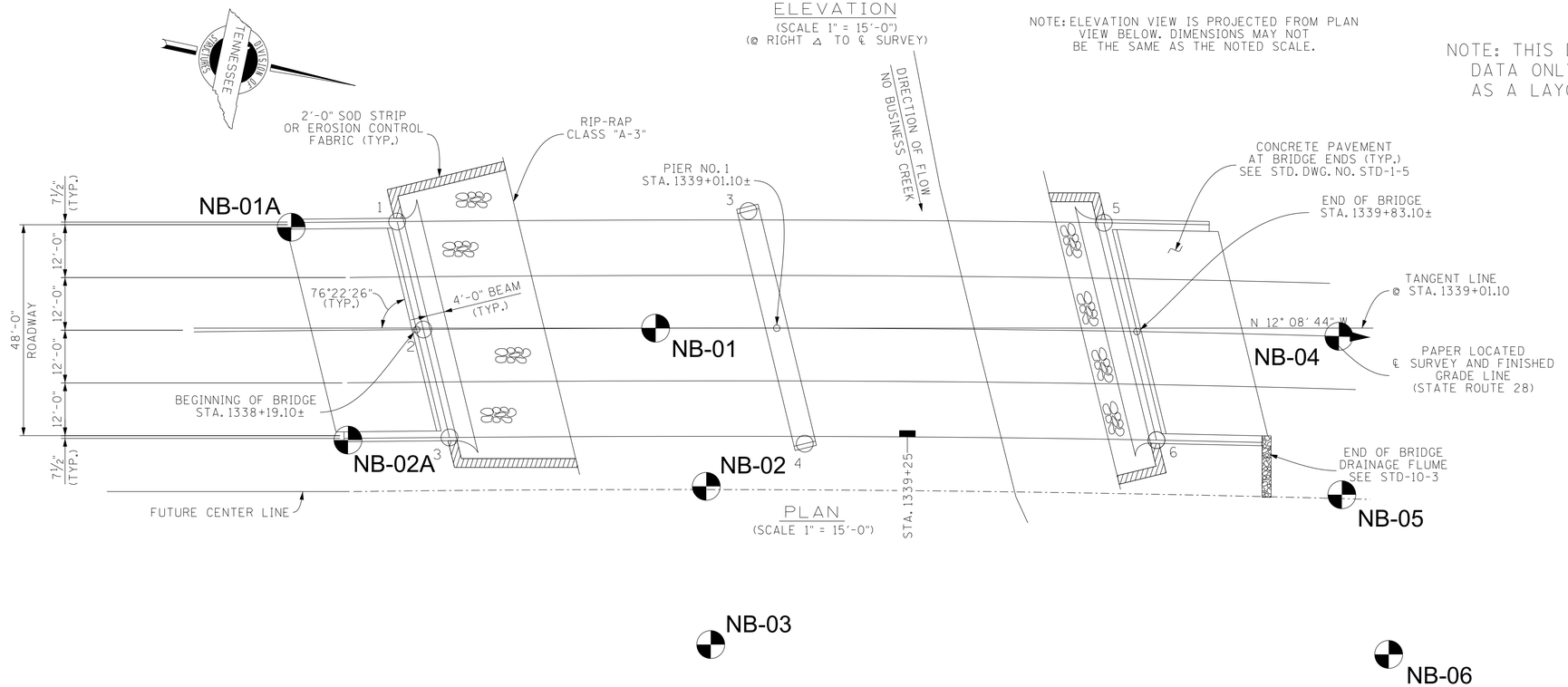
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ELEVATION
(SCALE 1" = 15'-0")
(@ RIGHT △ TO ℄ SURVEY)

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.



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REVIEW

BRIDGE NO. 1
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
FOUNDATION DATA
STATE ROUTE 28
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BRIDGE ID. NO. 18SR0280020
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U-95-593

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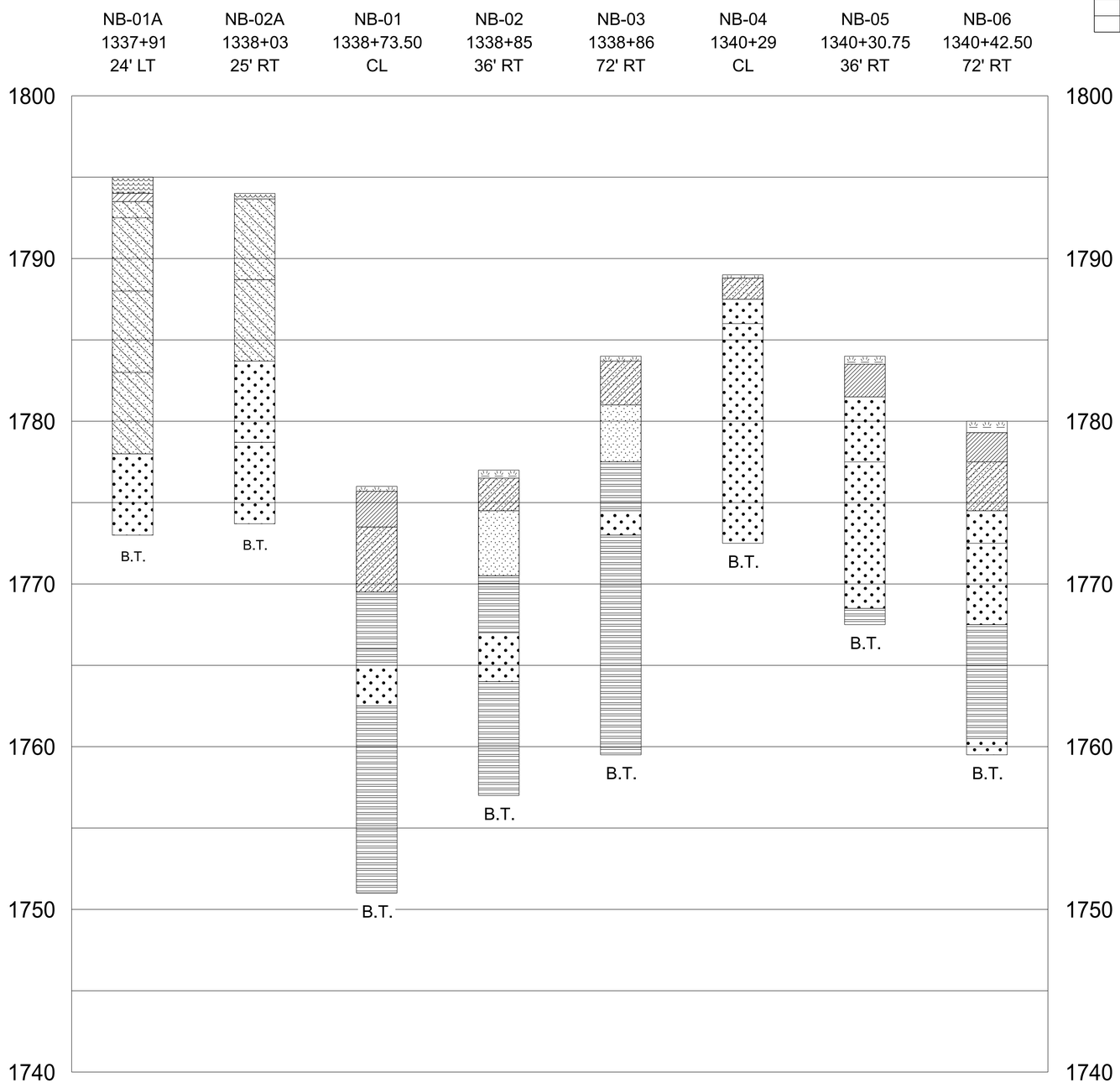
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BORING NO.	STATION	OFFSET	GROUND ELEVATION	ROCK ELEVATION	TOTAL DEPTH
NB-01A	1337+91	24' LT	1795	1793	22'
NB-02A	1338+03	25' RT	1794	1793	20.3'
NB-01	1338+73.50	CL	1776	1766	25'
NB-02	1338+85	36' RT	1777	1767	20'
NB-03	1338+86	72' RT	1784	1774.5	24.5'
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

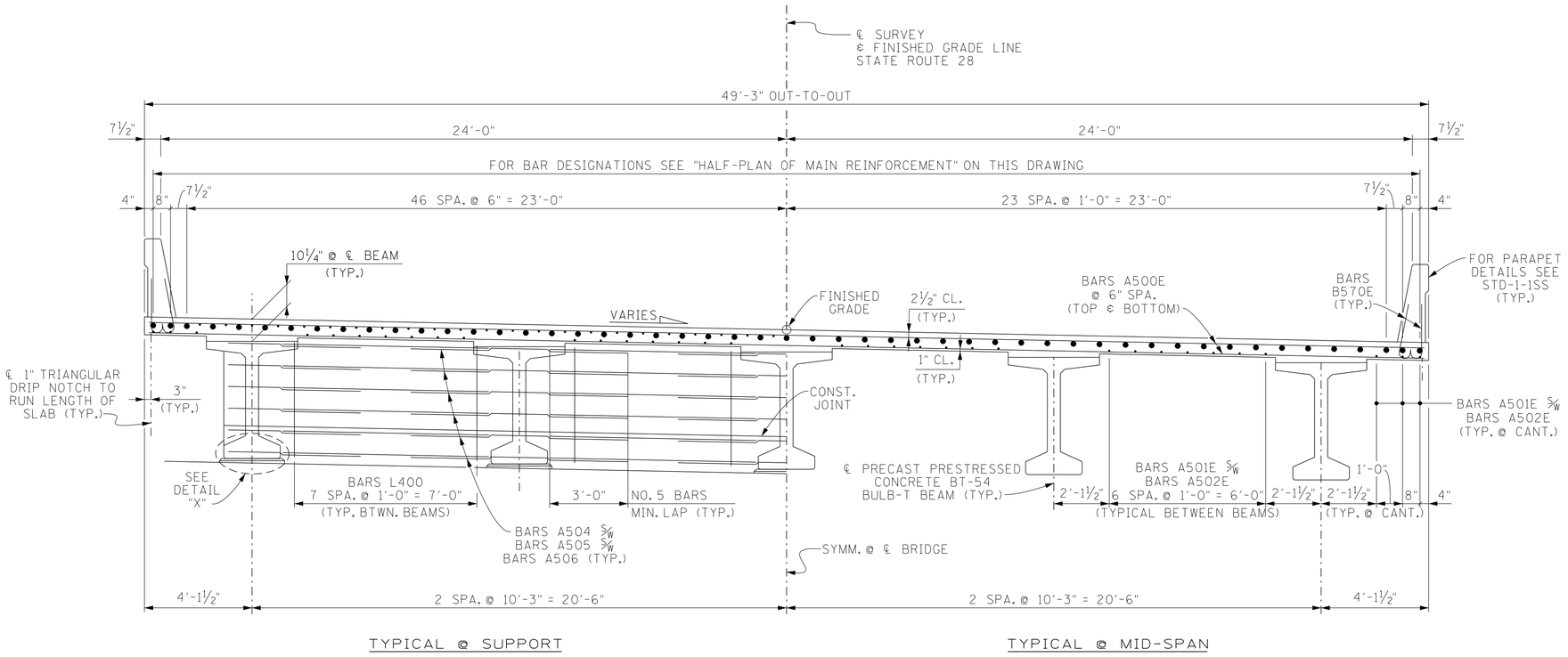
PS&E
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STATION 1339+01.10
CUMBERLAND COUNTY

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
CHECKED BY: DATE:

1/29/2026 9:20:39 AM

U-95-594

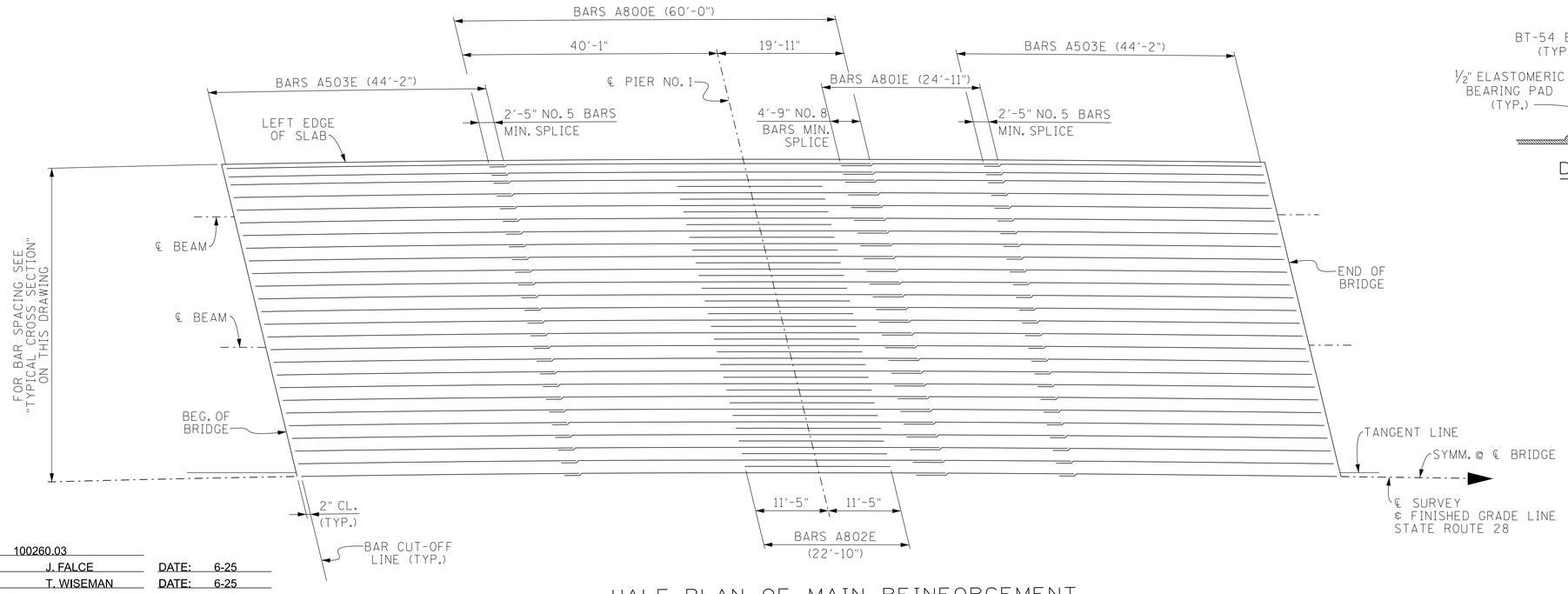


TYPICAL @ SUPPORT

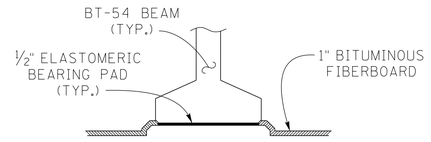
TYPICAL @ MID-SPAN

TYPICAL CROSS SECTION

(LOOKING FORWARD ON SURVEY)



HALF-PLAN OF MAIN REINFORCEMENT



DETAIL "X"

CONST. NO.: 18008-3230-14

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

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

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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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: DATE:

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

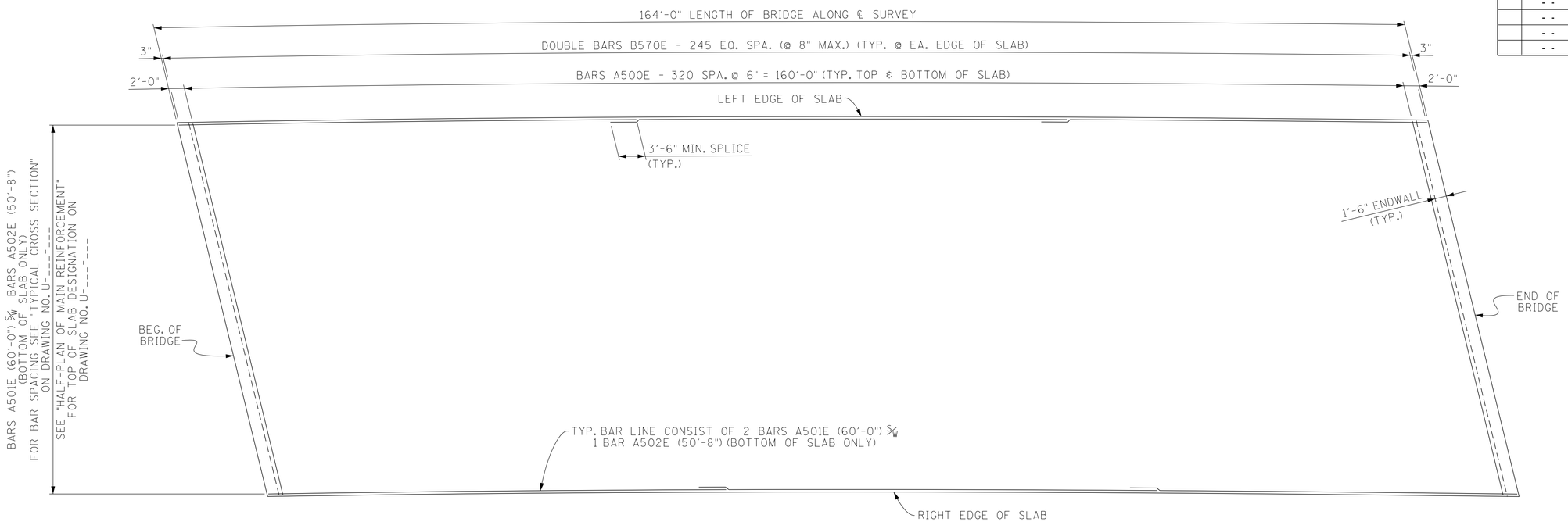
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CONST. NO.: 18008-3230-14

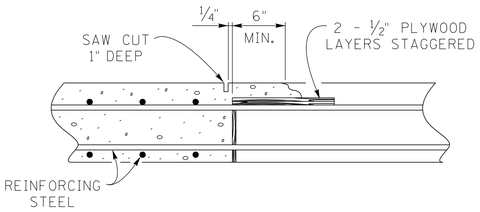
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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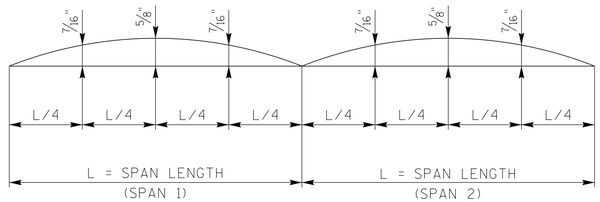


SLAB PLAN



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%.

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BRIDGE NO. 1
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE DETAILS
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-596

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: DATE:

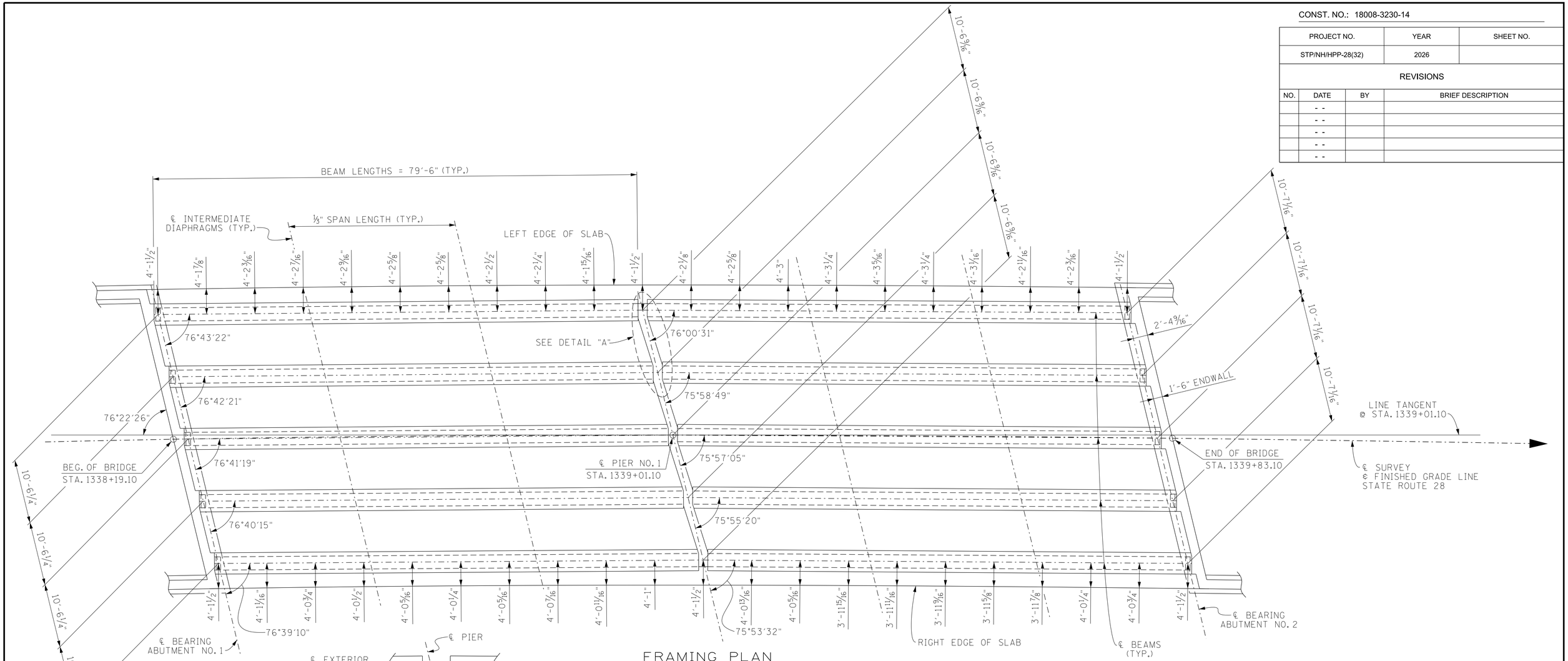
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CONST. NO.: 18008-3230-14

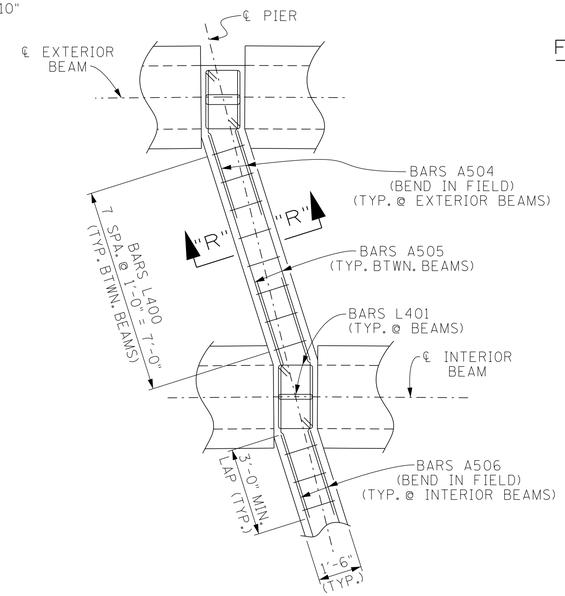
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

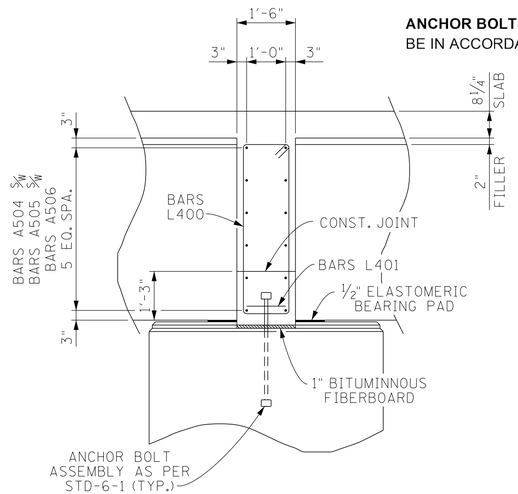
NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
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	- -		
	- -		
	- -		



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
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-597

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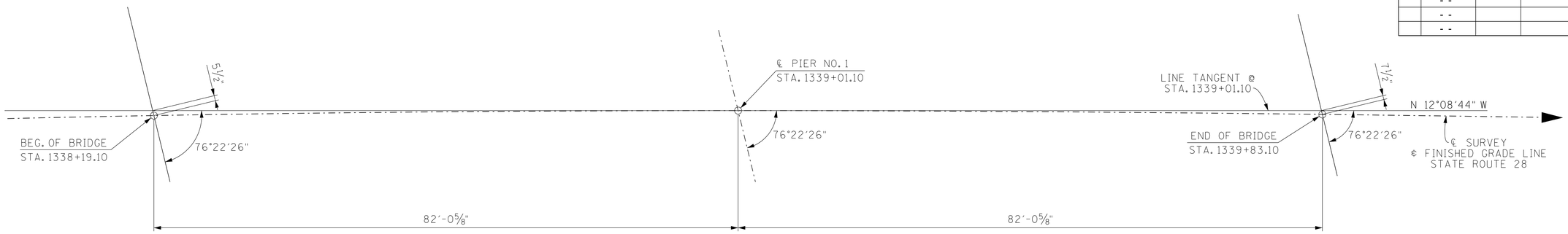
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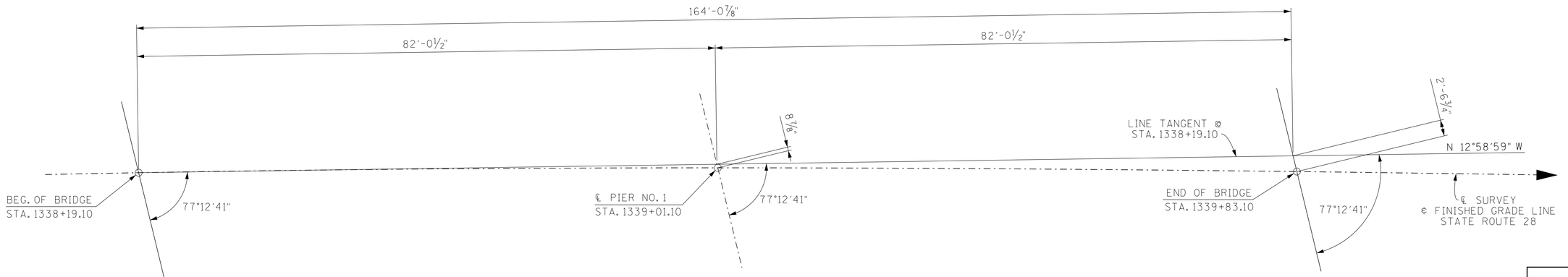
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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	- -		
	- -		



STAKE-OUT PLAN



ALTERNATE STAKE-OUT PLAN

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

U-95-598

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: DATE:

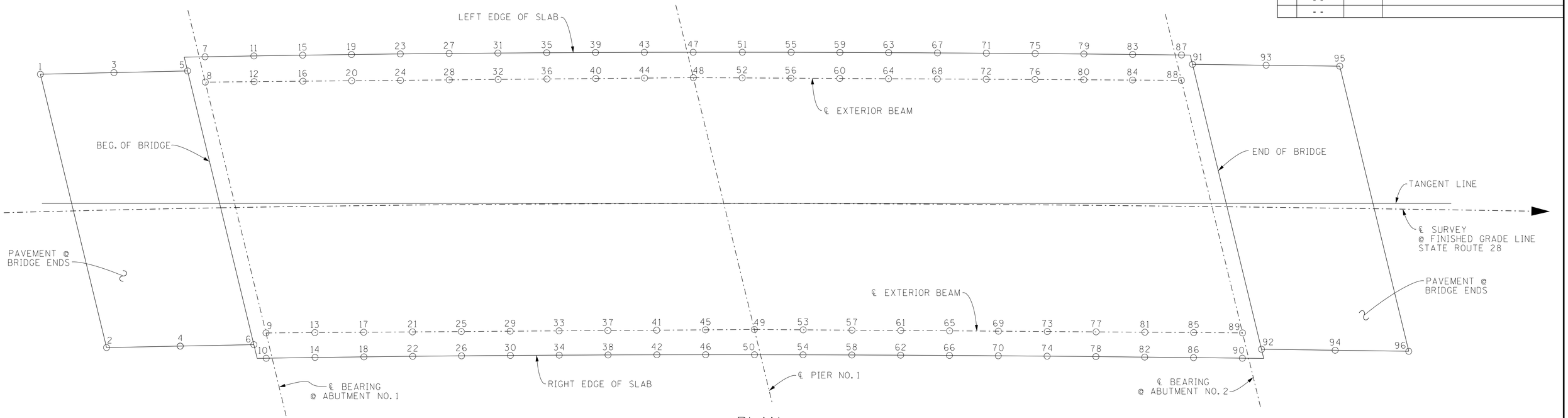
1/29/2026 9:05:25 AM

CONST. NO.: 18008-3230-14

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

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		



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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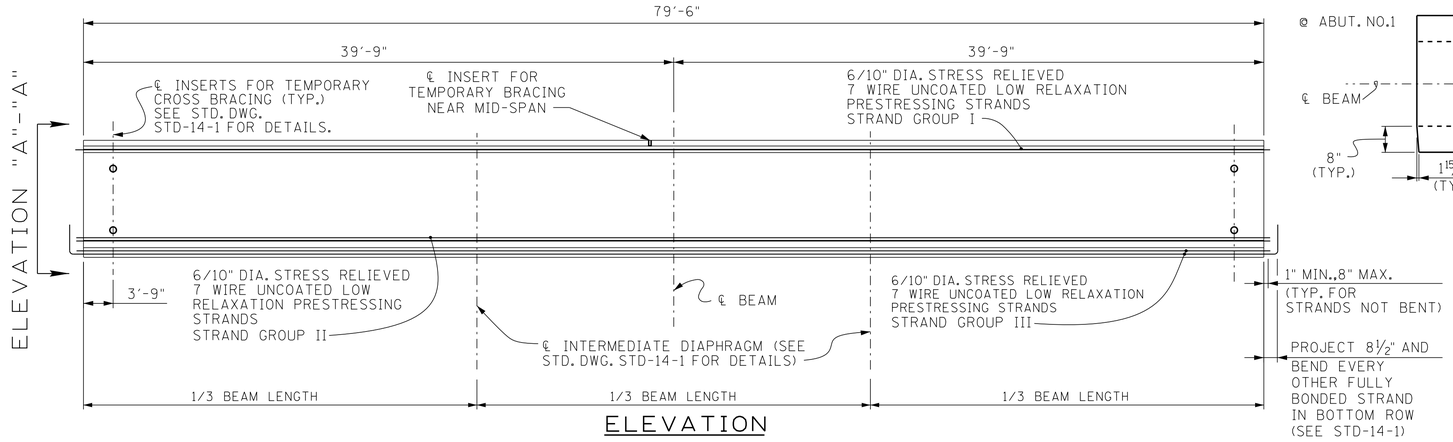
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REVIEW

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

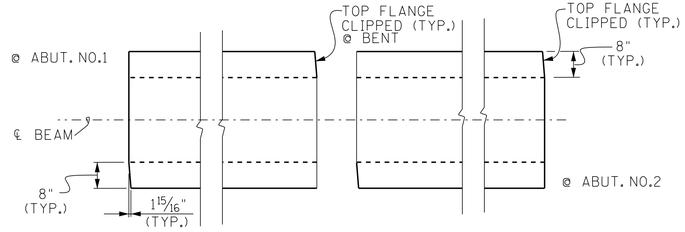
U-95-599

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: DATE:

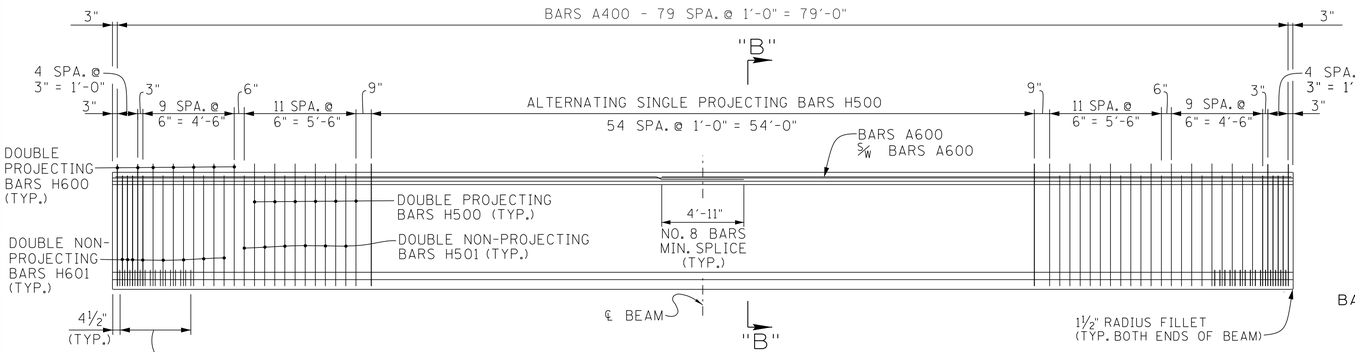
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ELEVATION

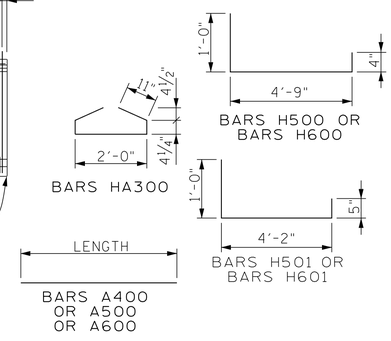


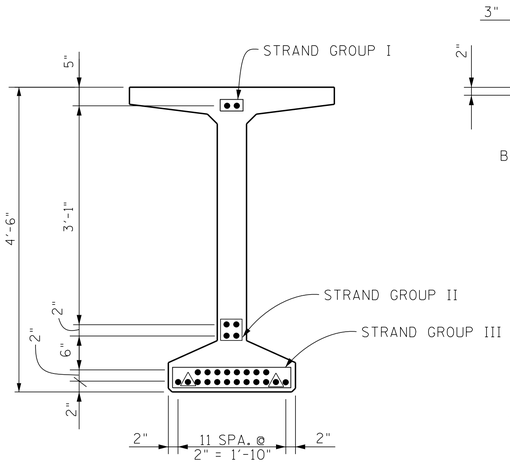
CLIP DETAIL



ELEVATION

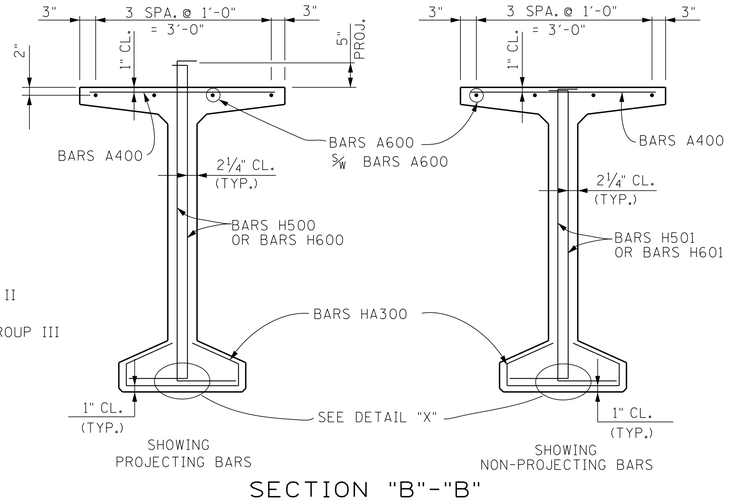
(SHOWING STIRRUP BAR ARRANGEMENT)



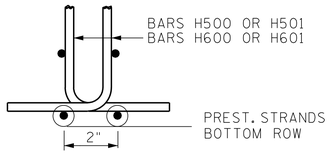


ELEVATION "A"-"A"

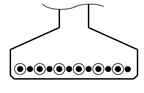
(SHOWING PRESTRESSED STRANDS)
(26 TOTAL)



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: DATE:

1/29/2026 11:56:27 AM

CONST. NO.: 18008-3230-14

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

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

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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FIELD
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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

CONST. NO.: 18008-3230-14

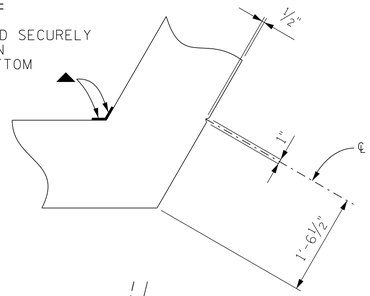
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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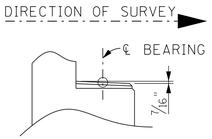
V-GROOVE DETAIL

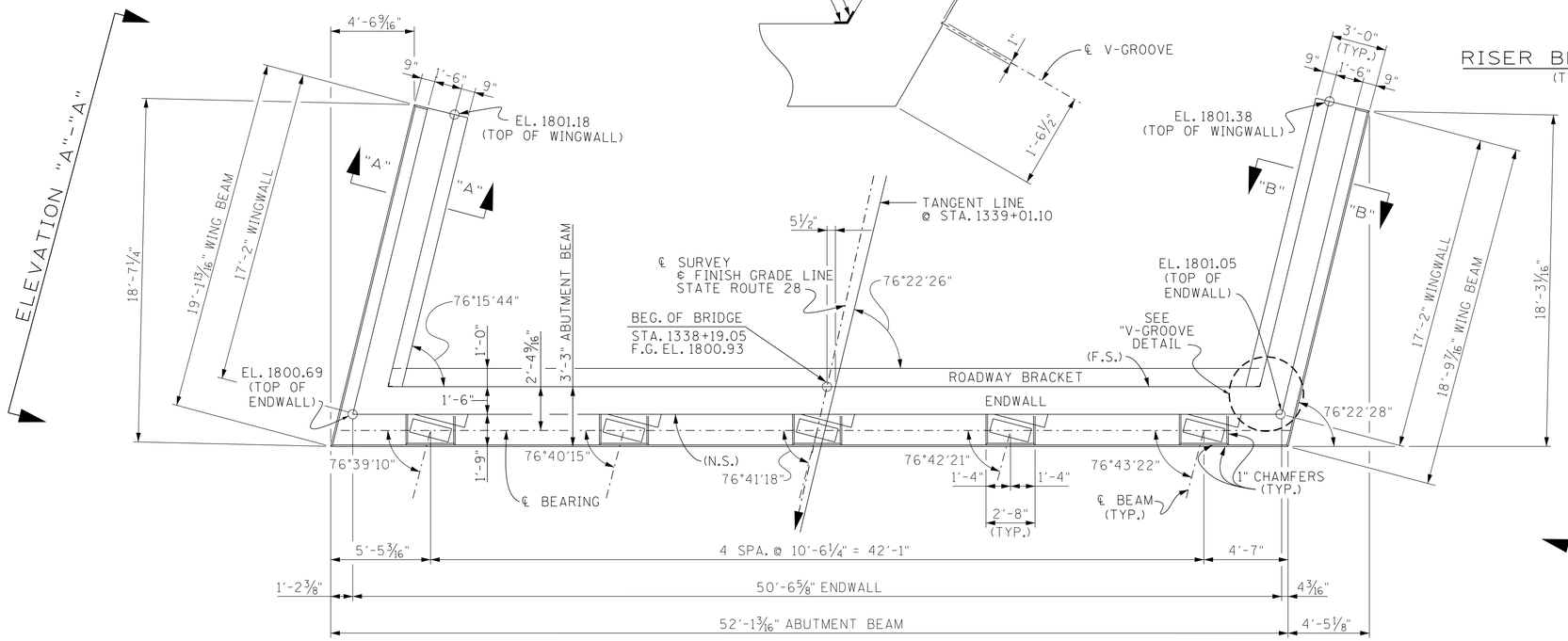
▲ DENOTES: ½" X 3" BITUMINOUS FIBERBOARD SECURELY BONDED TO CONCRETE SURFACE TO RUN FROM TOP OF ABUTMENT BEAM TO BOTTOM OF ROADWAY BRACKET.



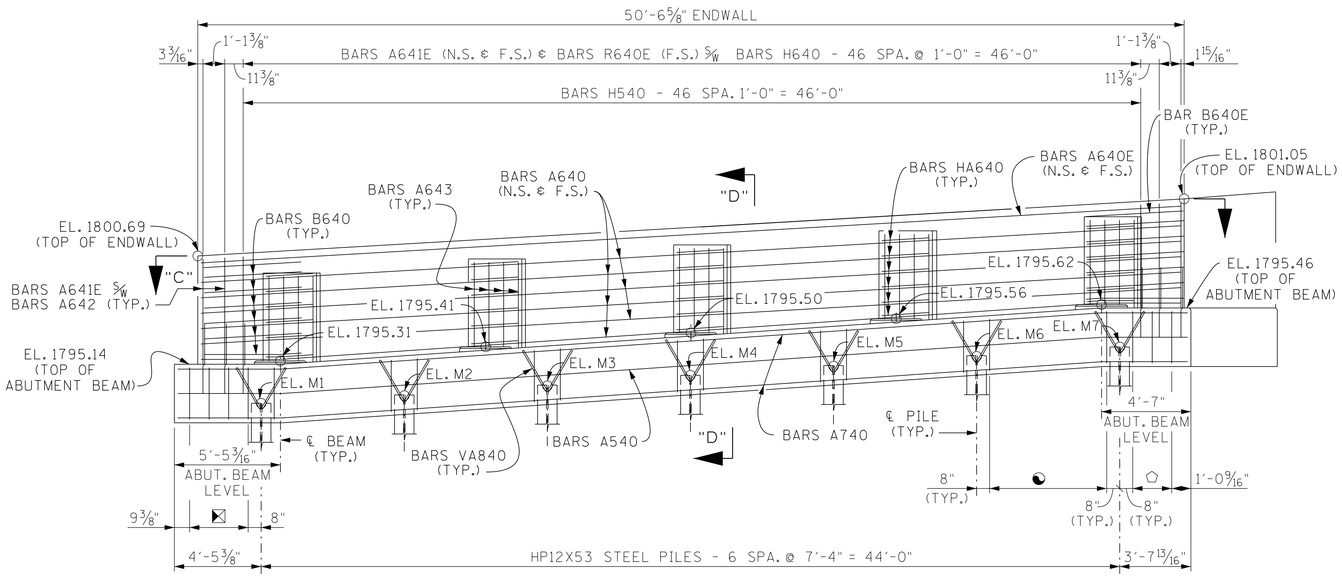
RISER BLOCK SLOPE DETAIL

(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.

SEALED BY

PS&E
FIELD
REVIEW

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: DATE:

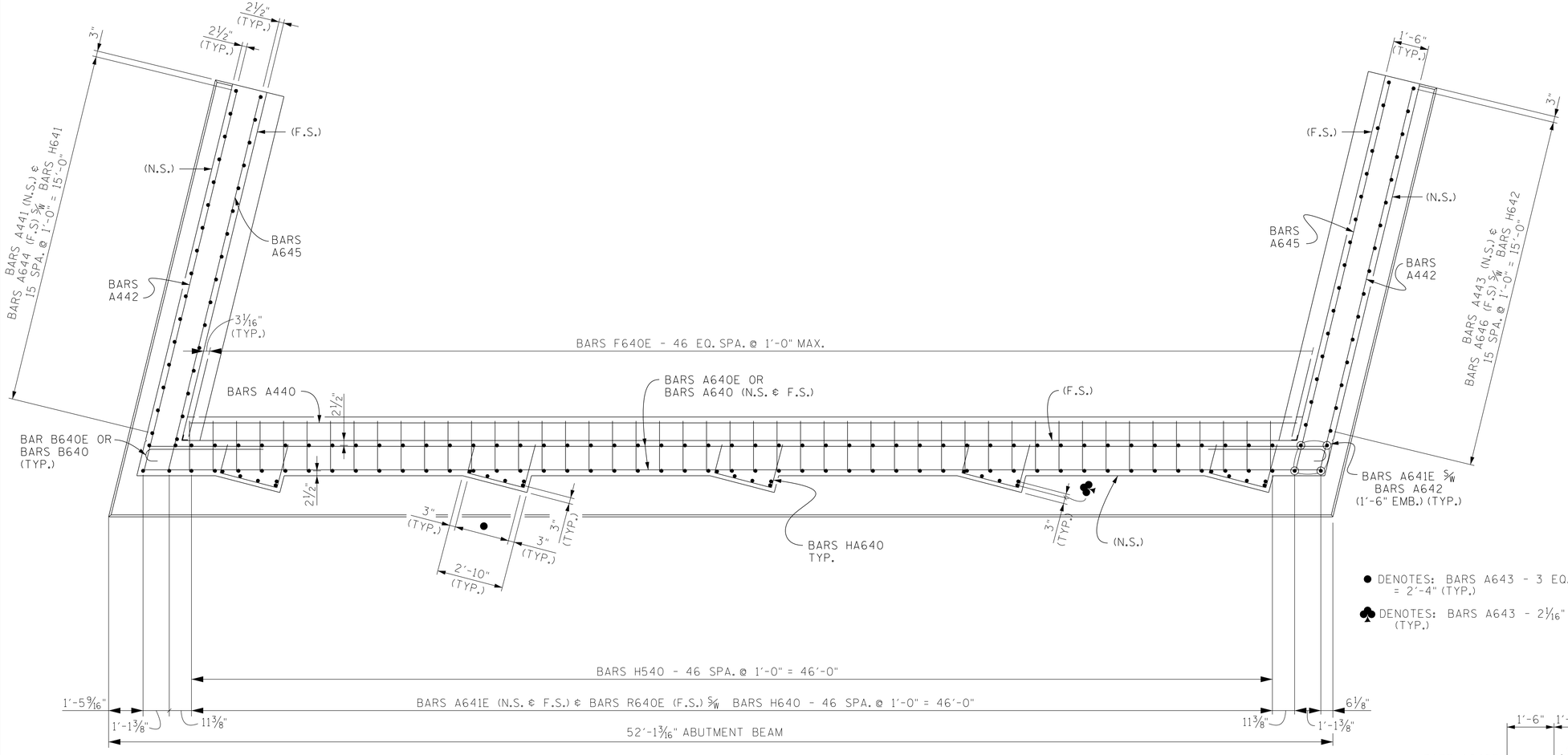
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CONST. NO.: 18008-3230-14

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

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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	- -		
	- -		
	- -		
	- -		



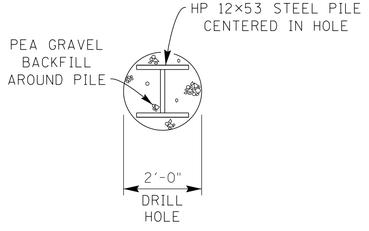
SECTION "C"-"C"

● DENOTES: BARS A643 - 3 EQ. SPA. = 2'-4" (TYP.)

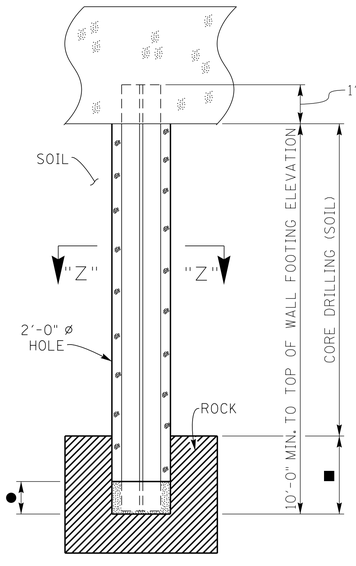
♣ DENOTES: BARS A643 - 2 1/16" (TYP.)

● 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.



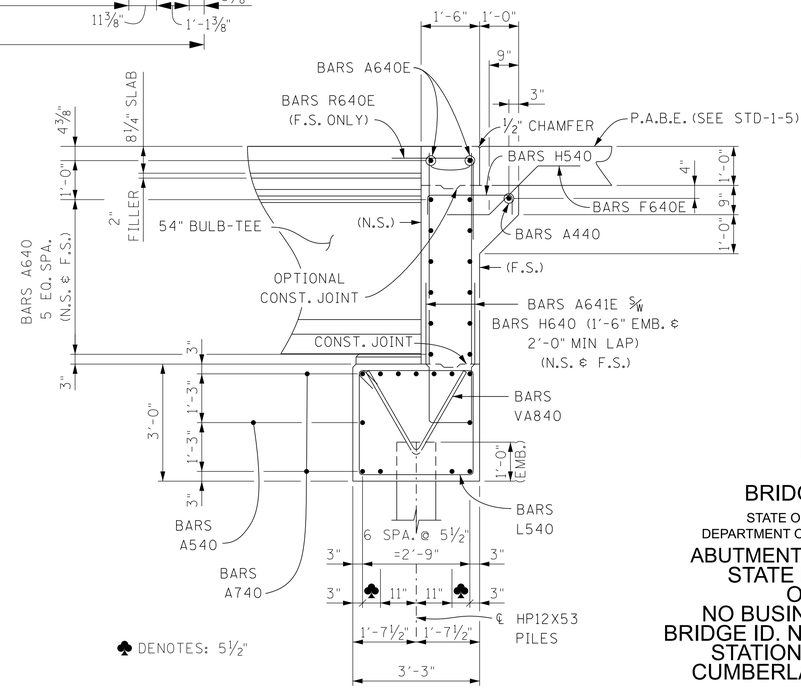
SECTION "Z-Z"



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.



SECTION "D"-"D"

SEALED BY

PS&E FIELD REVIEW

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: DATE:

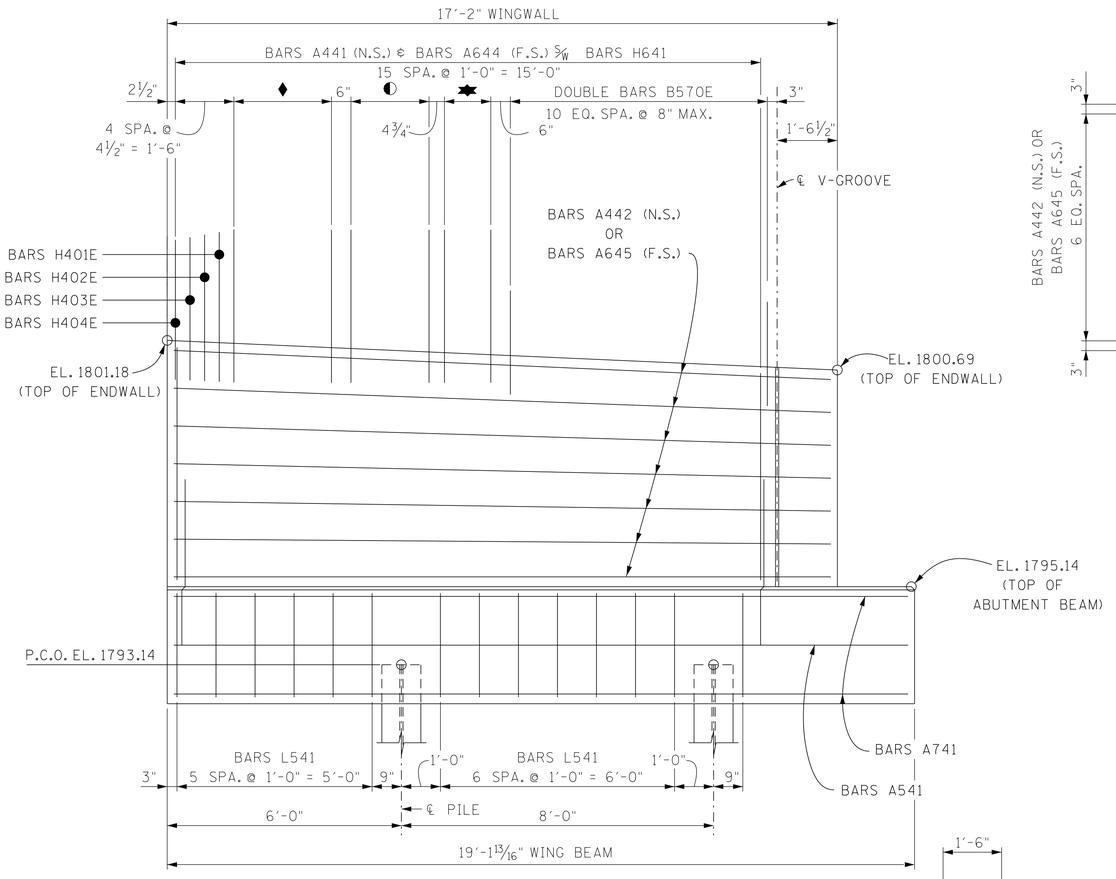
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CONST. NO.: 18008-3230-14

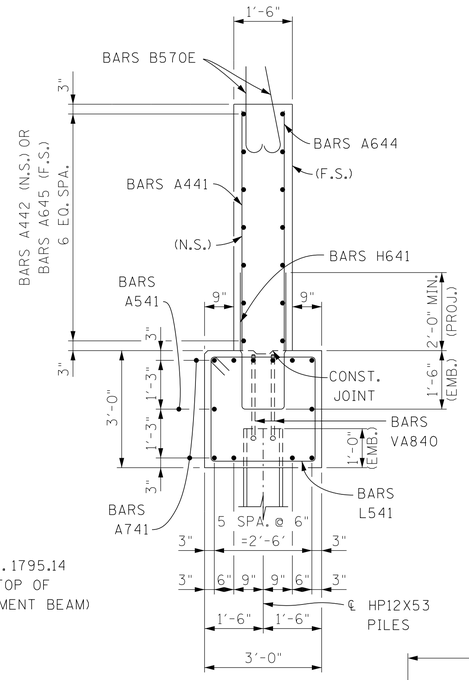
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
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	- -		
	- -		
	- -		



ELEVATION "A"-"A"



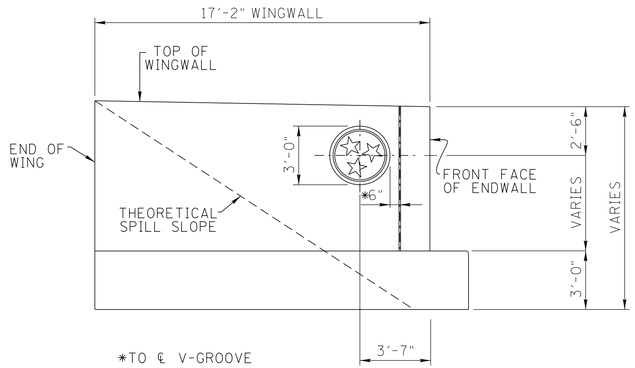
SECTION "A"-"A"

P.C.O EL. DENOTES: PILE CUT-OFF ELEVATION

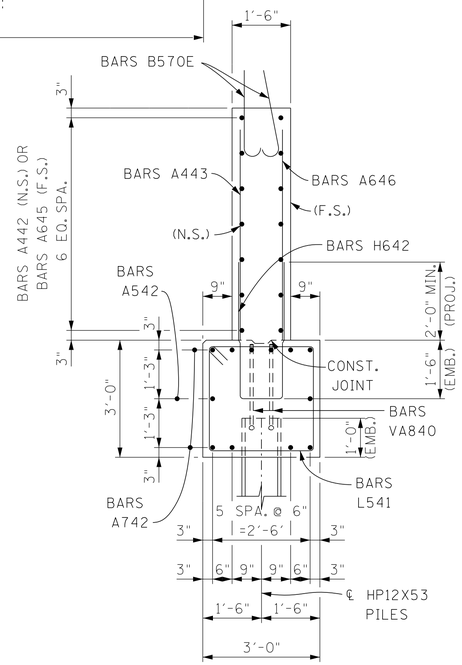
✸ DENOTES: SERIES BARS HD400E - 3 SPA. @ 4¾" = 1′-2¼"

◐ DENOTES: SERIES BARS HD401E - 4 SPA. @ 6" = 2′-0"

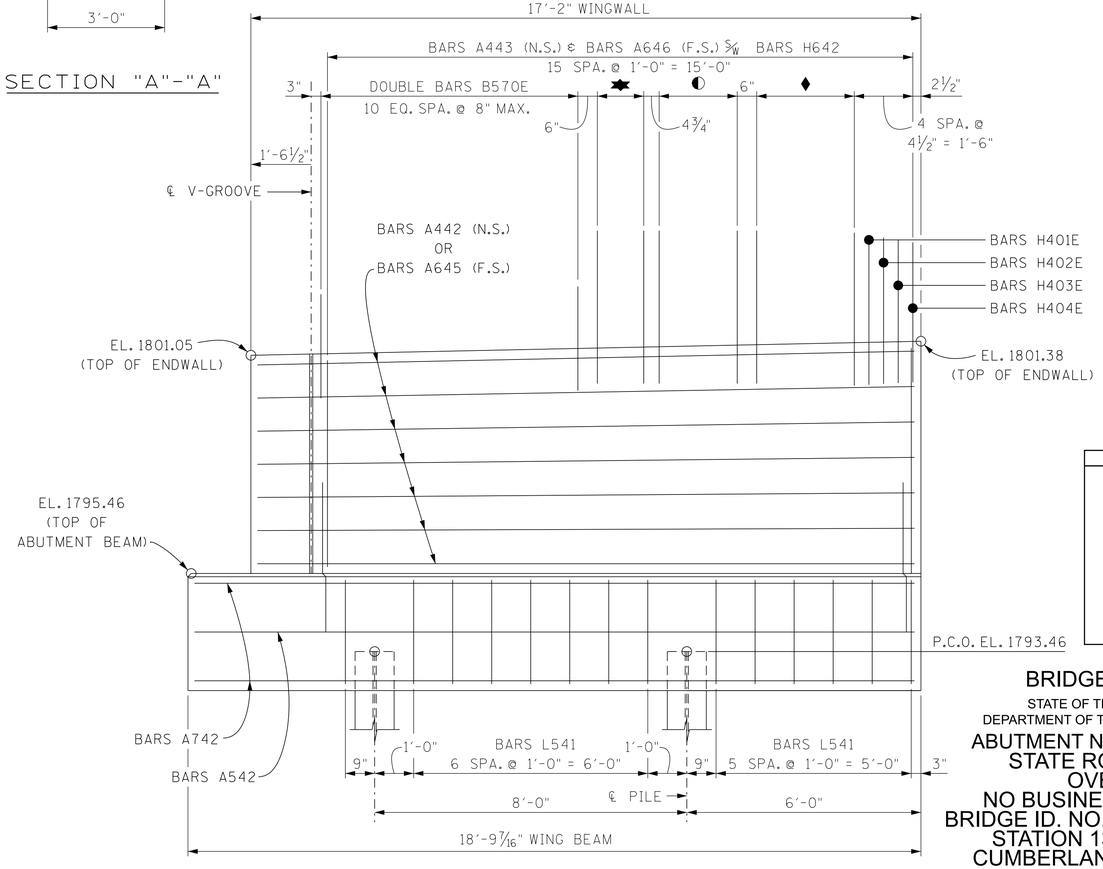
♦ DENOTES: BARS H400E - 5 SPA. @ 6" = 2′-6"



ABUTMENT TREATMENT



SECTION "B"-"B"



ELEVATION "B"-"B"

SEALED BY

PS&E FIELD REVIEW

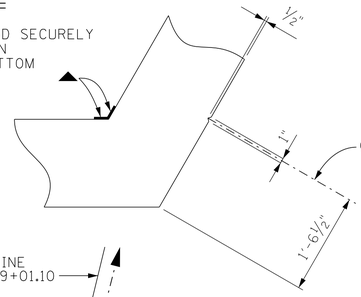
BRIDGE NO. 1
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
ABUTMENT NO. 1 DETAILS
STATE ROUTE 28
OVER
NO BUSINESS CREEK
BRIDGE ID. NO. 18SR0280020
STATION 1339+01.10
CUMBERLAND COUNTY

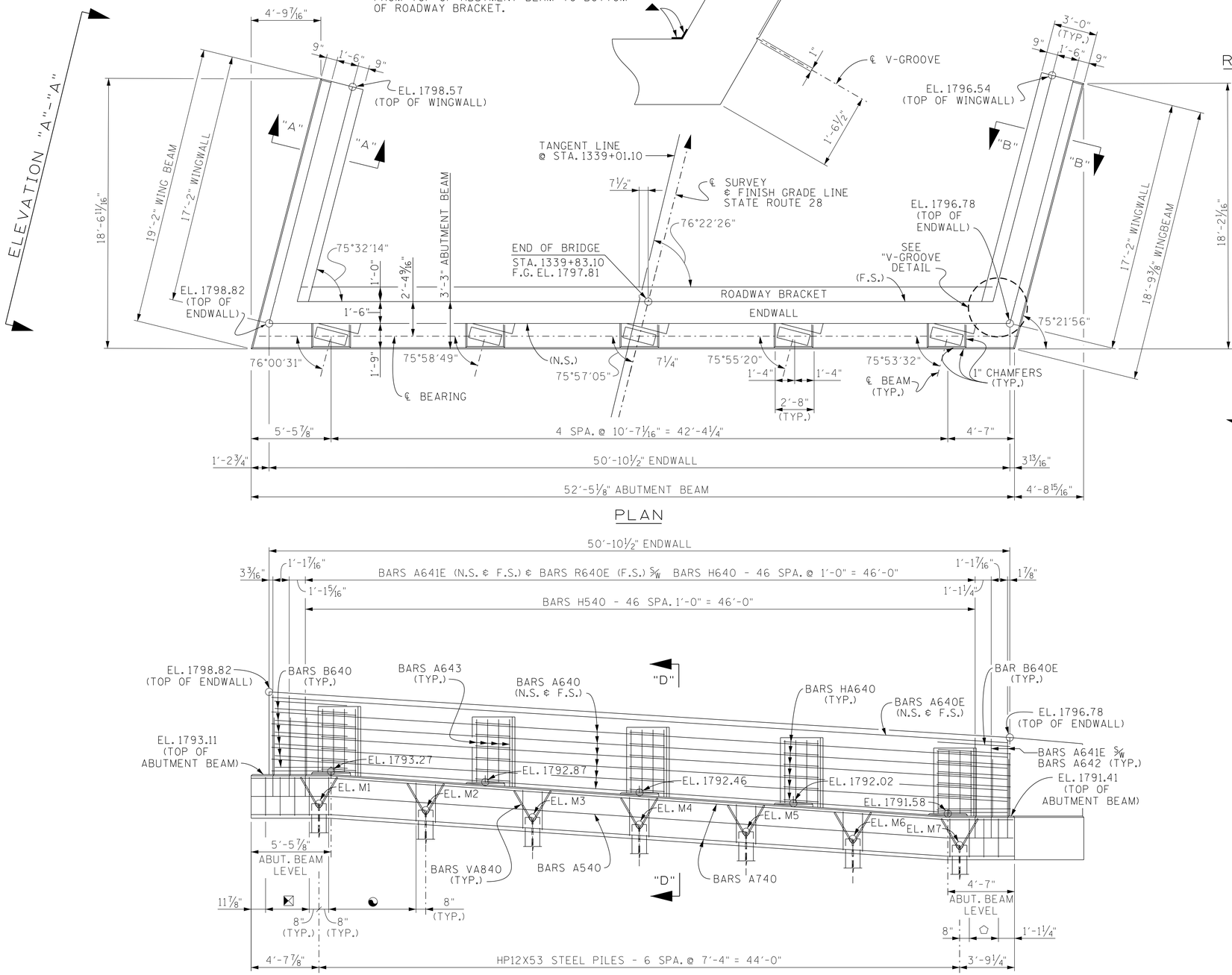
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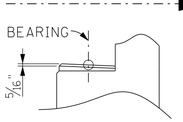
PIN NO.: 100260.03
DESIGN BY: J. FALCE DATE: 6-25
DRAWN BY: B. ERVIN DATE: 7-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 6-25
CHECKED BY: DATE:

9:01:06 AM
1/29/2026

V-GROOVE DETAIL







RISER BLOCK SLOPE DETAIL
(TYP. EACH RISER BLOCK)

CONST. NO.: 18008-3230-14

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

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

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.

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

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PS&E
FIELD
REVIEW

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

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: DATE:

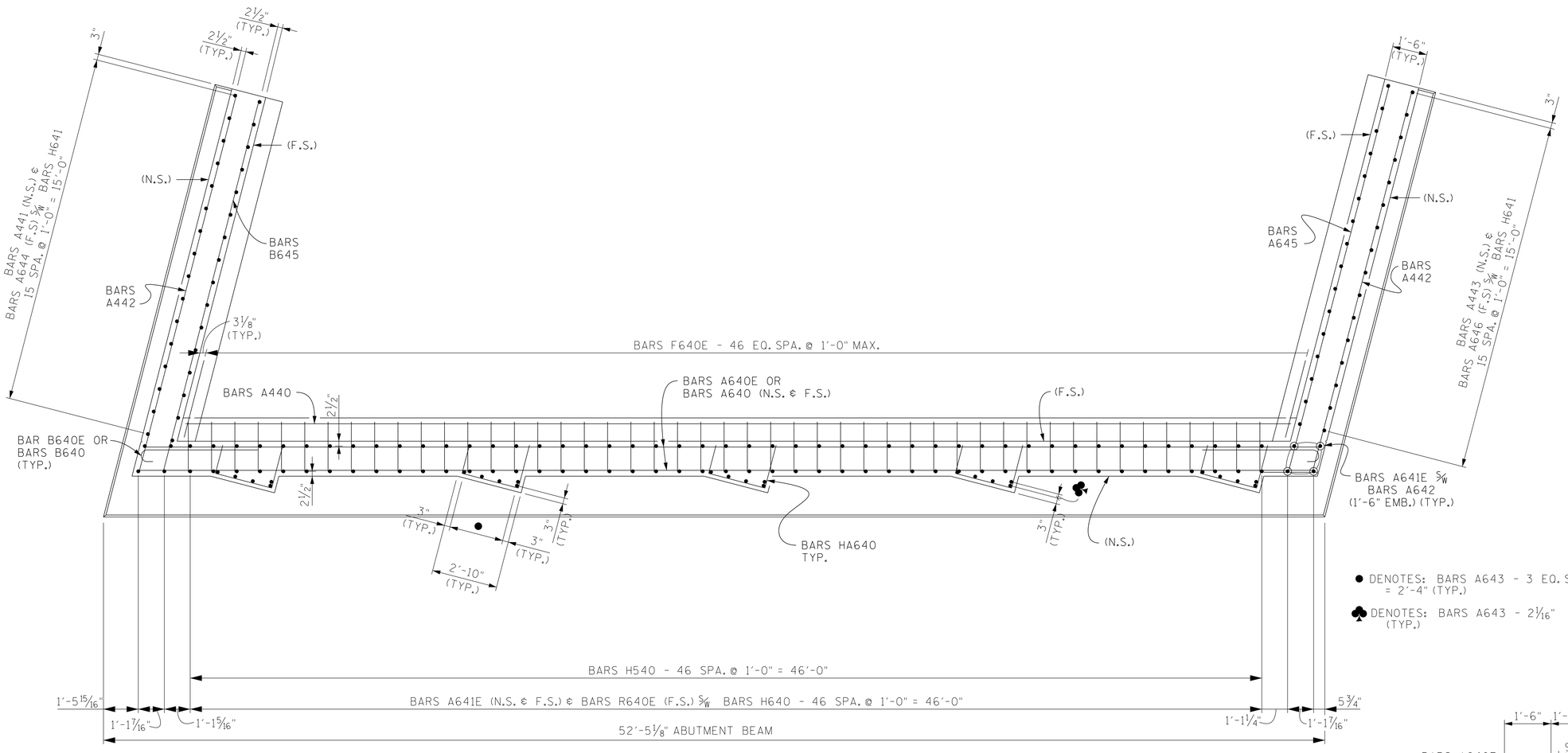
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1/29/2026

CONST. NO.: 18008-3230-14

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

REVISIONS

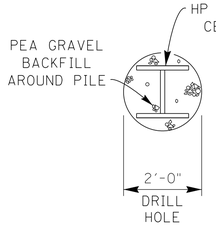
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	- -		



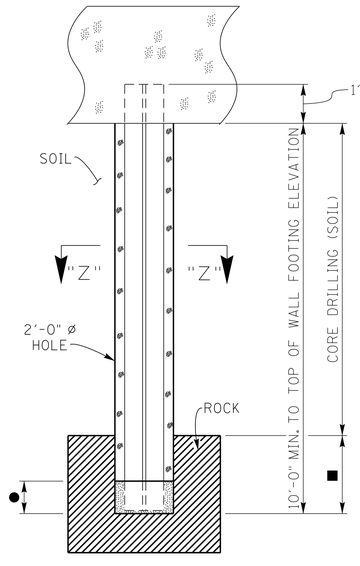
SECTION "C"-"C"

● 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.

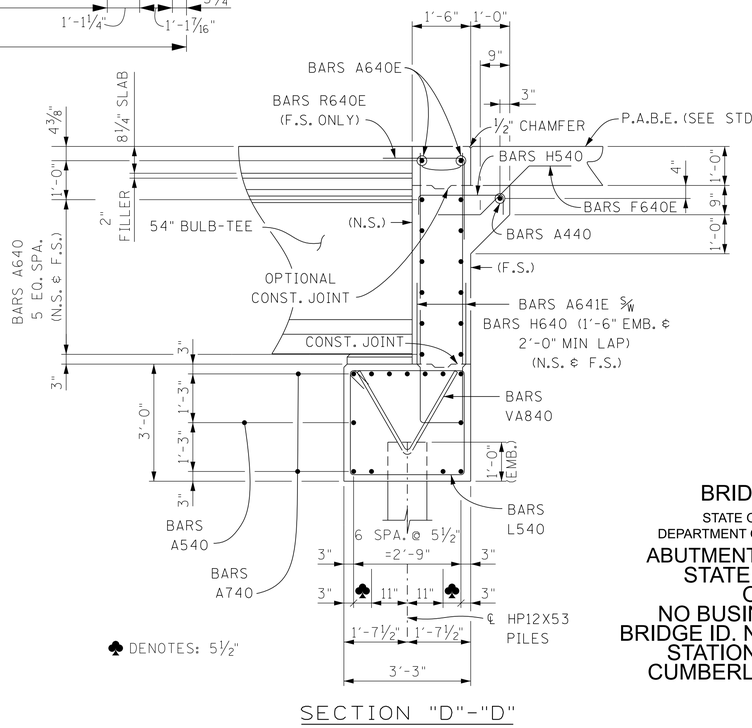
2. THE HOLE SHALL BE THOROUGHLY CLEANED OF ALL LOOSE MA MINIMUM OF 12 INCHES OF HIGH EARLY STRENGTH CONCRETE THE BOTTOM OF THE HOLE THE PILE INSERTED AND CENTERE AND THE PILE SUPPORTED UNTIL THE CONCRETE REACHES ITS SET STRENGTH.

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.)



♣ DENOTES: 5½"

SECTION "D"-"D"

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PS&E FIELD REVIEW

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:		DATE:

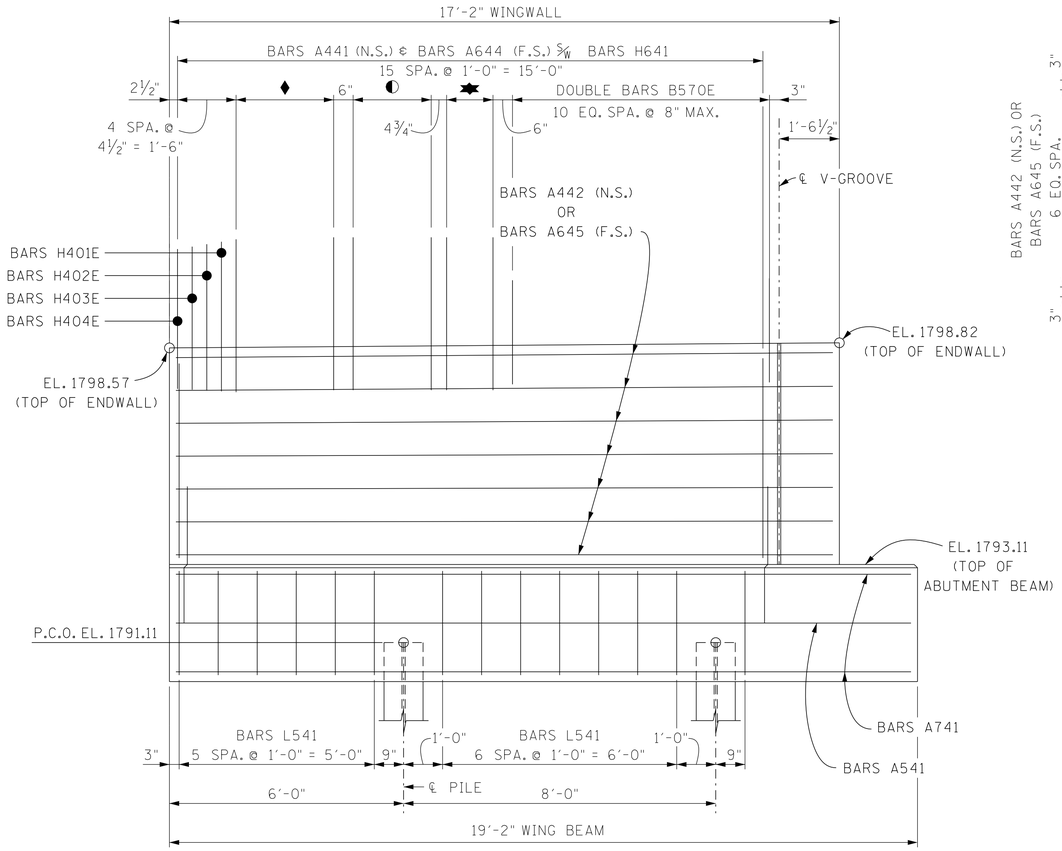
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CONST. NO.: 18008-3230-14

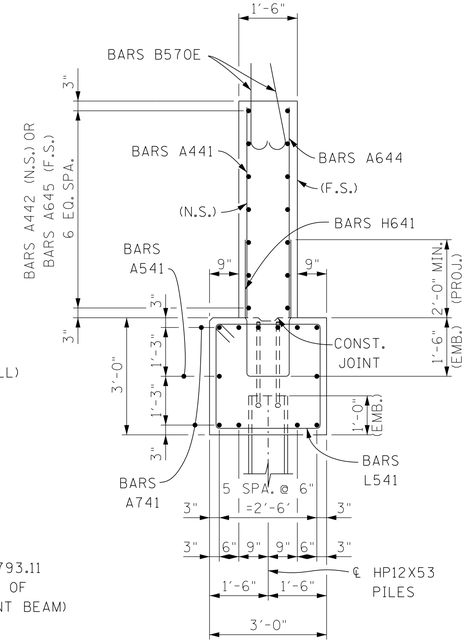
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		



ELEVATION "A"-"A"



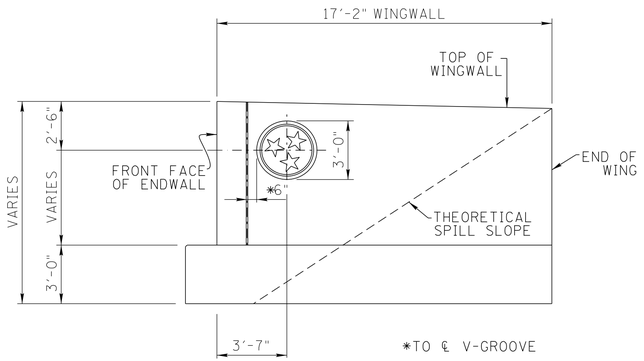
SECTION "A"-"A"

P.C.O EL. DENOTES: PILE CUT-OFF ELEVATION

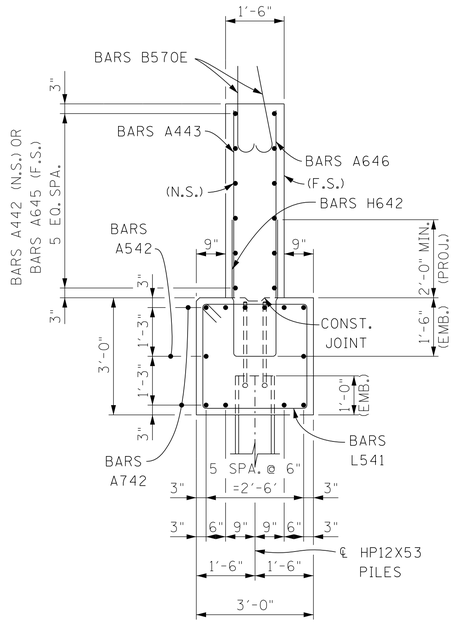
✸ DENOTES: SERIES BARS HD400E - 3 SPA. @ 4¾" = 1'-2¼"

◐ DENOTES: SERIES BARS HD401E - 4 SPA. @ 6" = 2'-0"

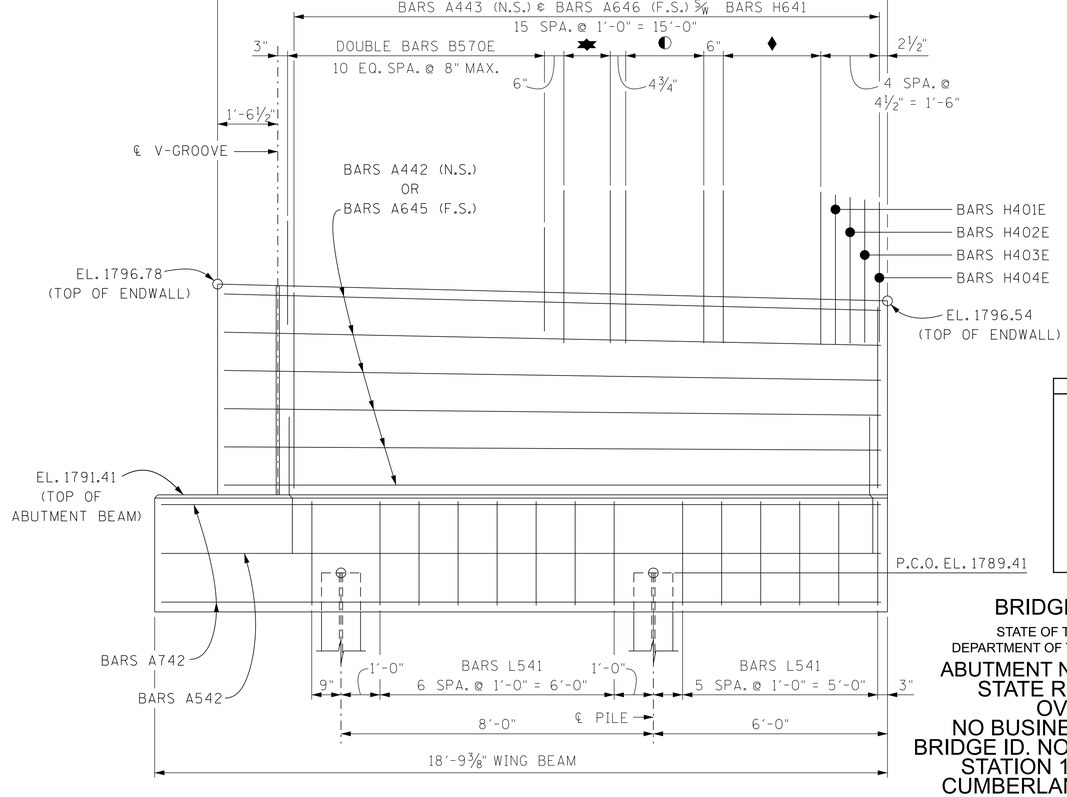
♦ DENOTES: BARS H400E - 5 SPA. @ 6" = 2'-6"



ABUTMENT TREATMENT



SECTION "B"-"B"



ELEVATION "B"-"B"

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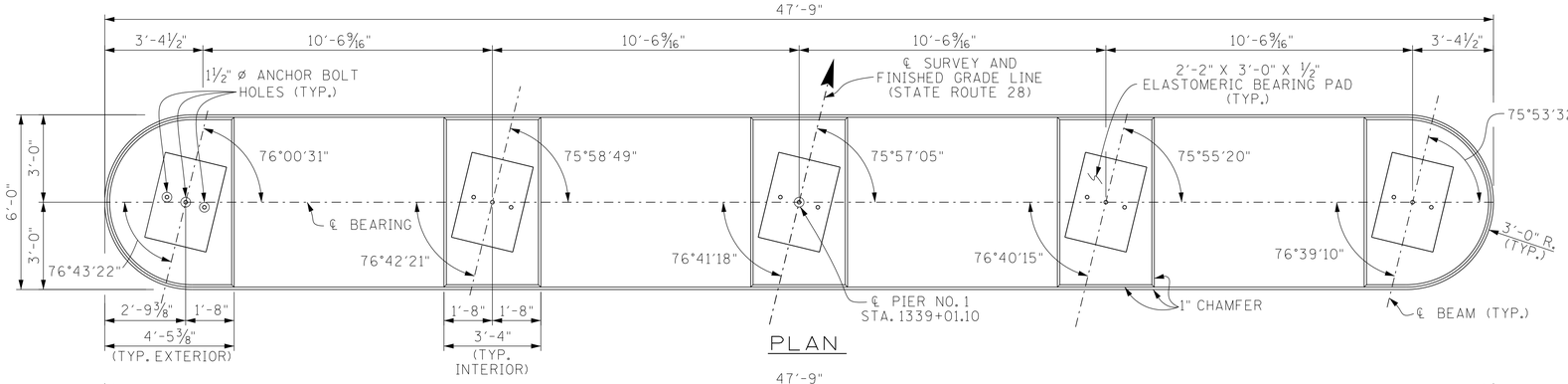
PS&E FIELD REVIEW

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

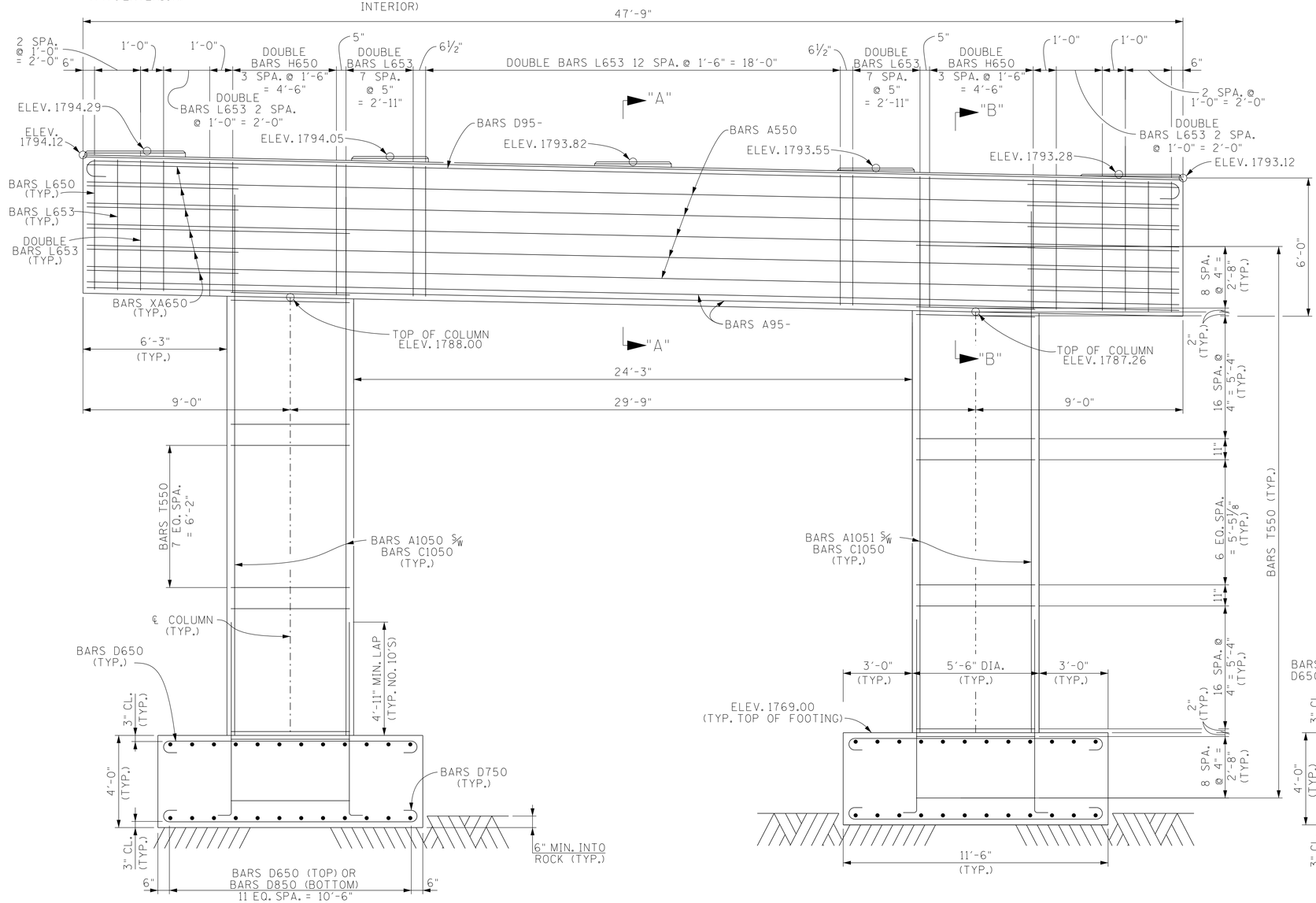
U-95-606

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: DATE:

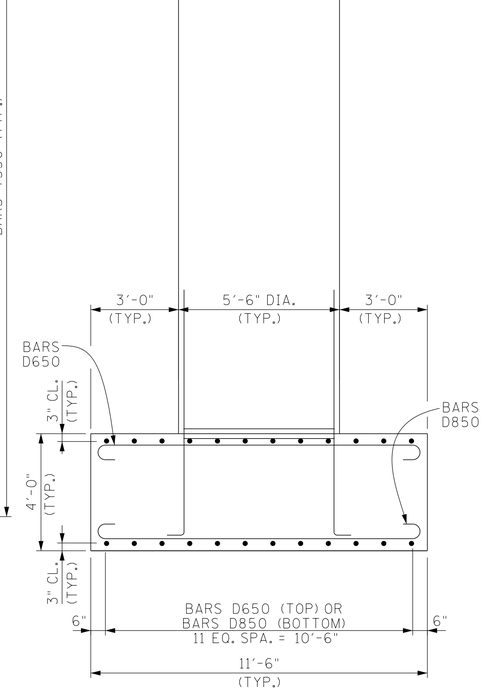
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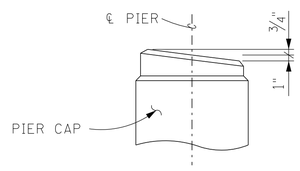
PLAN



ELEVATION



END ELEVATION



RISER BLOCK SLOPE DETAIL

NOTE: RISER BLOCK BEARING SURFACE TO CONFORM TO BOTTOM OF BEAM GRADE.

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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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.

SEALED BY

PS&E FIELD REVIEW

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: DATE:

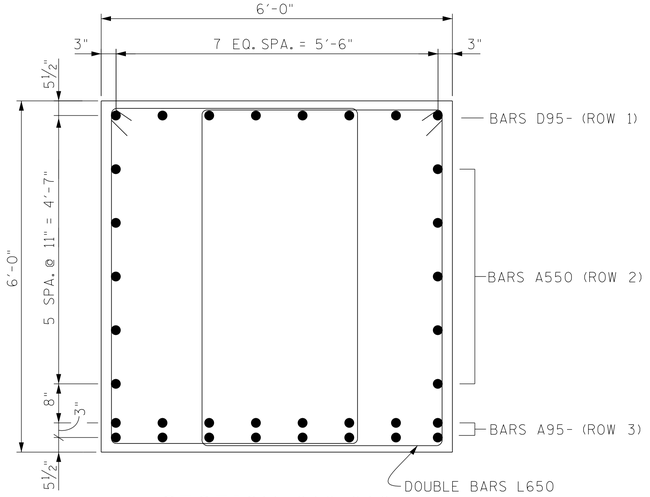
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CONST. NO.: 18008-3230-14

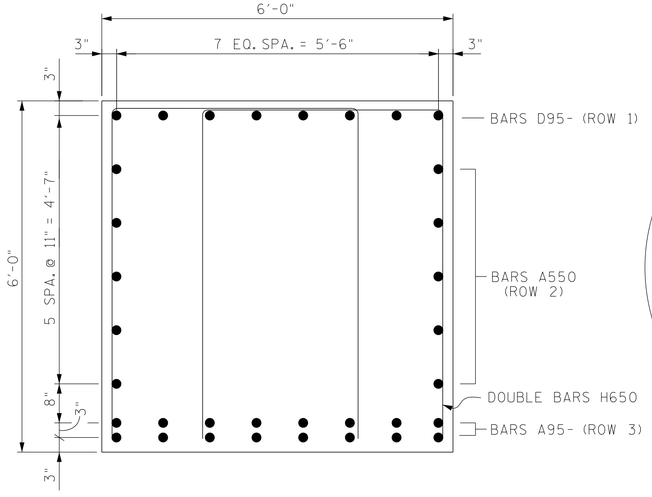
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

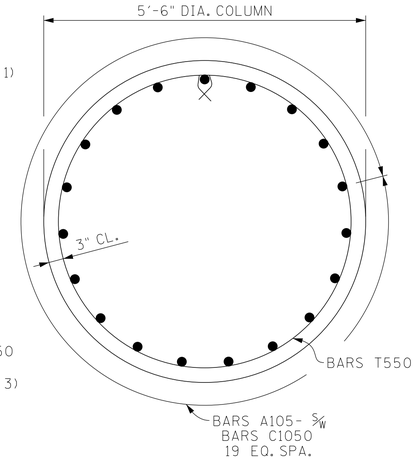
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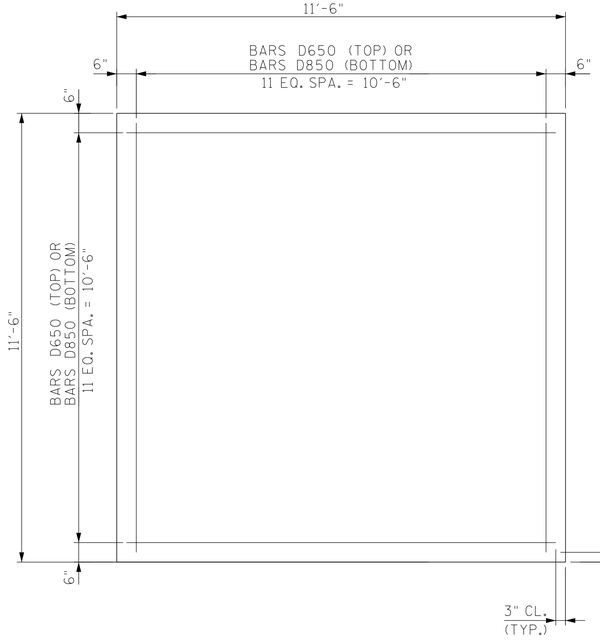
SECTION "A"-"A"



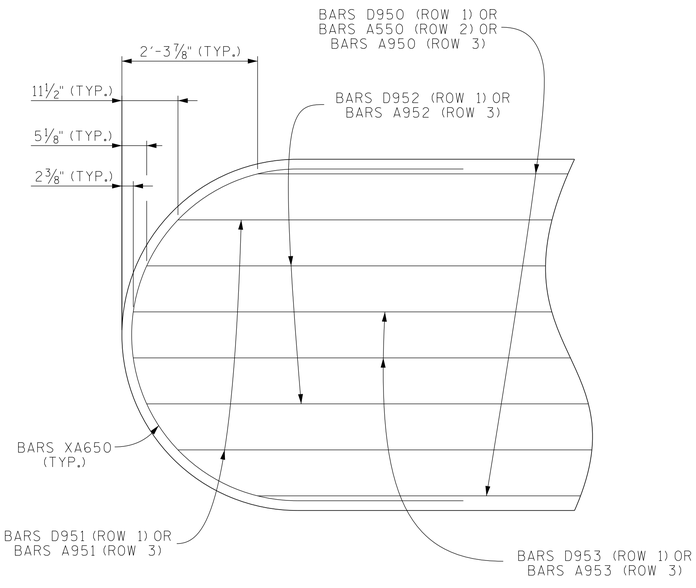
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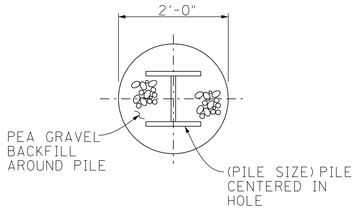
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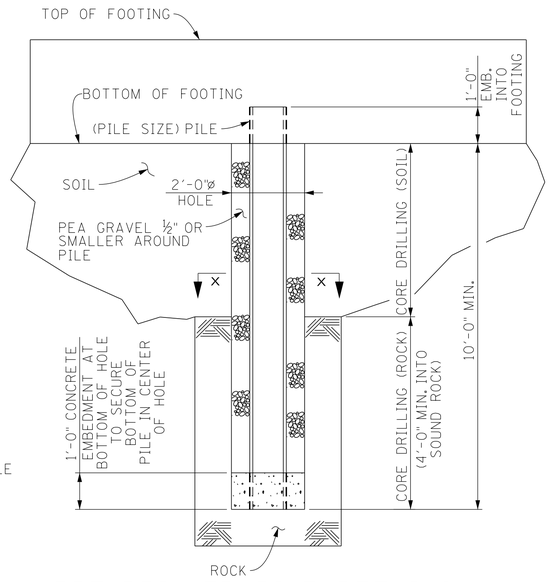
PLAN OF FOOTING



PARTIAL PLAN OF CAP



SECTION "X-X"



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 PRE-DRILLING. CONTRACTOR IS RESPONSIBLE FOR THE COST TO REPAIR ANY DAMAGED AREAS.

BASIS FOR PAYMENT:
THE COST OF ALL MATERIAL AND LABOR FOR DRILLING THE 2'-0" HOLES, PILE END ENCASEMENT, BACKFILLING WITH PEA GRAVEL, BRACING OF THE PILES, AND ANY OTHER INCIDENTALS REQUIRED FOR FULL INSTALLATION OF THE PILES SHALL BE INCLUDED IN ITEM NO. (PILE ITEM NO. AND DESCRIPTION).

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PS&E
FIELD
REVIEW

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: DATE:

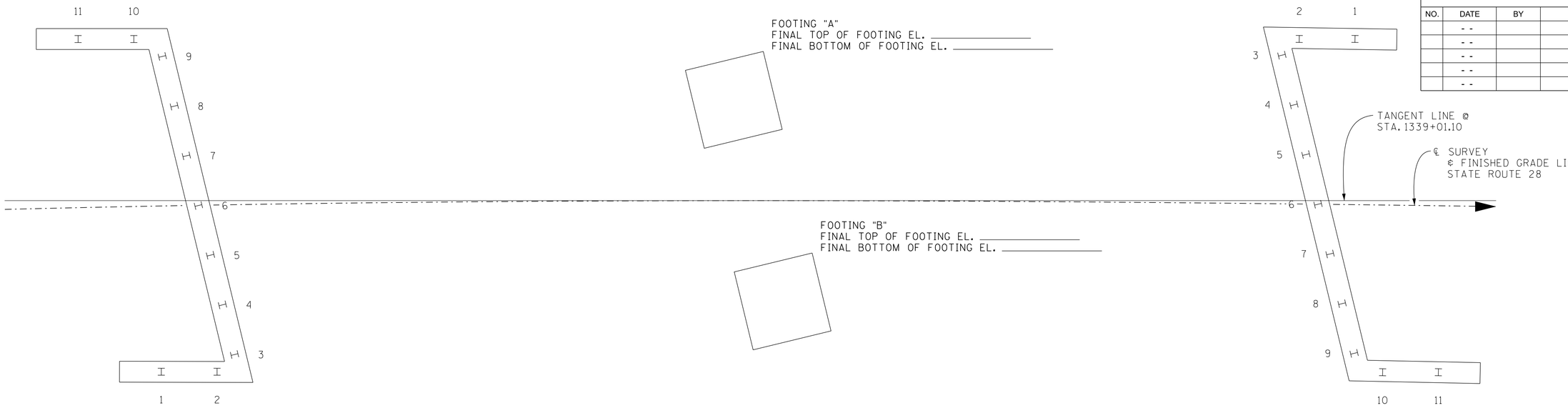
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CONST. NO.: 18008-3230-14

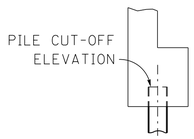
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

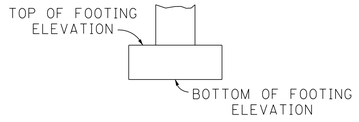
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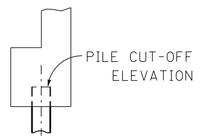
ABUTMENT NO. 1 PIER NO. 1 ABUTMENT NO. 2



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.

SEALED BY

PS&E
FIELD
REVIEW

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

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: DATE:

1/29/2026 9:17:45 AM

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'-2"
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	10	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	25	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	WINGWALS/PARAPET	4	6	11"	3'-11"			8'-9"
H401E	WINGWALS/PARAPET	4	2	11"	3'-10"			8'-7"
H402E	WINGWALS/PARAPET	4	2	10"	3'-9"			8'-4"
H403E	WINGWALS/PARAPET	4	2	8"	3'-8"			8'-0"
H404E	WINGWALS/PARAPET	4	2	5"	3'-7"			7'-7"
SERIES								
HD400E	WINGWALS/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	WINGWALS/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					44'-7"
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					16'-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	50	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	52	2'-8"				3'-3"
B640E	ENDWALL	6	2	5'-0"				5'-8"
F640E	P.A.B.E.	6	49	1'-1"	1'-3"	1'-1"	1'-3"	4'-0"
H400E	WINGWALLS/PARAPET	4	6	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'-5"
A1050	COLUMN/CAP	10	19					23'-8"
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'-5"				49'-11"
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	10	3'-7"	2'-10"			16'-1"

REINFORCING STEEL CODE

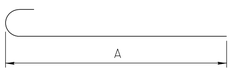
TYPE	SIZE	SERIES
A	5	06

NOTE: DIMENSIONS SHOWN ON THIS SHEET ARE OUTSIDE TO OUTSIDE OF BAR. STANDARD C.R.S.I. HOOK DETAILS SHALL APPLY, EXCEPT AS NOTED.

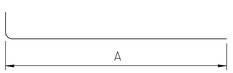
NOTE: THE SUFFIX E FOR BARS SO MARKED DENOTES EPOXY COATED REINFORCEMENT.



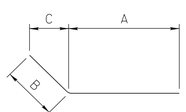
BARS A



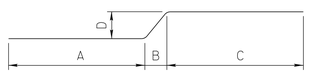
BARS B



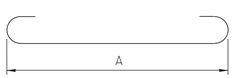
BARS C



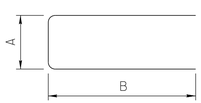
BARS CD



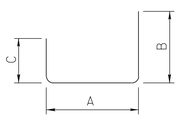
BARS F



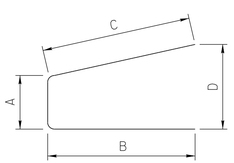
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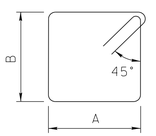
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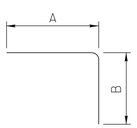
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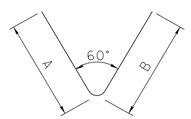
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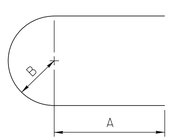
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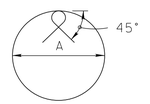
BARS R



BARS VA



BARS XA



BARS T

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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: DATE:

1/29/2026 8:55:01 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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LIST OF DRAWINGS

	DWG. NO.	LAST REV. DATE
INDEX OF DRAWINGS	U-95-611	--.--.--
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	--.--.--
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PRESTRESSED BULB-TEE BEAM DETAILS SPAN NO. 2	U-95-624	--.--.--
PRESTRESSED BULB-TEE 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
STANDARD PILE DETAILS	STD-5-1	----
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: RIDGE RAMSEY DATE: 12-25

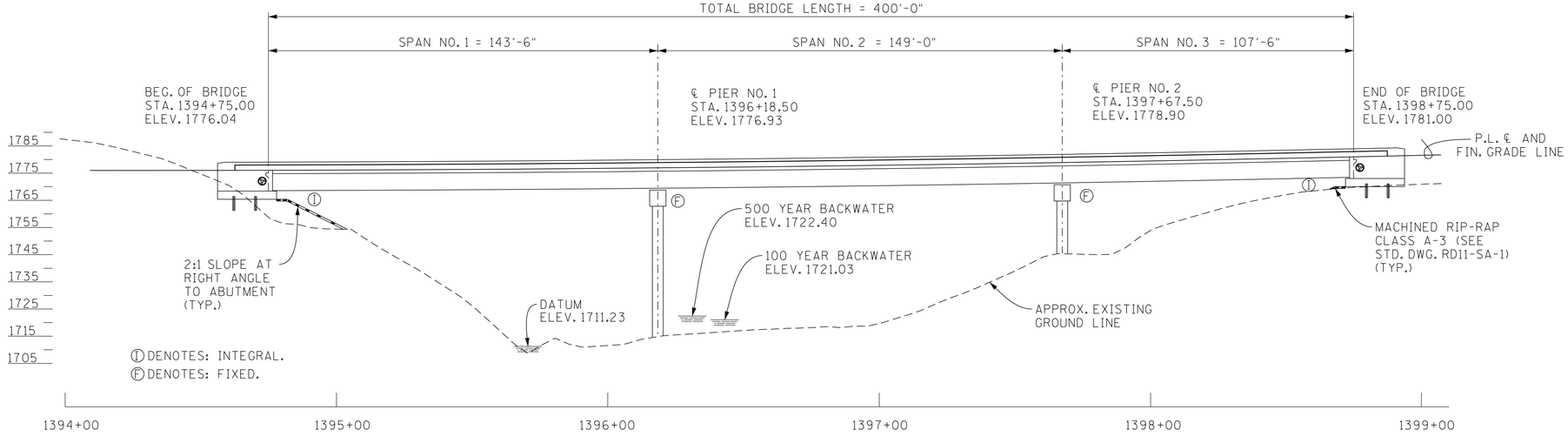
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CONST. NO.: 18008-3230-14

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

REVISIONS

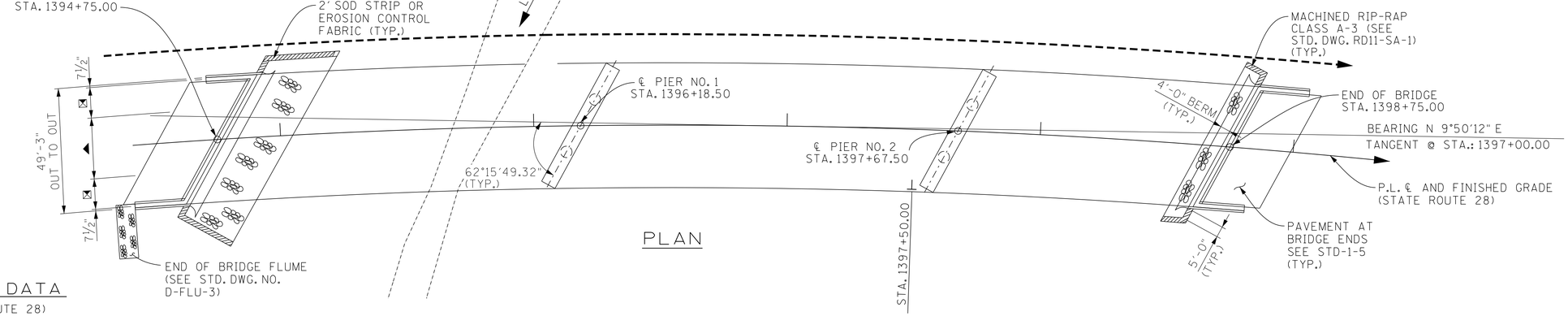
NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
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ELEVATION

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

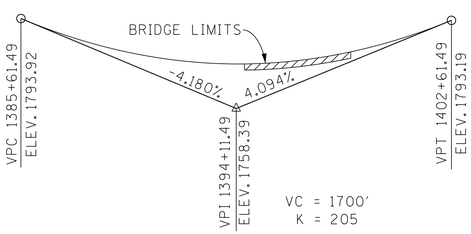
CURVE DATA

(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

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REVIEW

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

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: RIDGE RAMSEY DATE: 12-25

CORRECT Ted A Kniazewycz
ENGINEER OF STRUCTURES

U-95-612

1/22/2026 8:51:33 AM

CONST. NO.: 18008-3230-14

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

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	- -		
	- -		
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GENERAL NOTES

SPECIFICATIONS & LOADING

CONSTRUCTION SPECIFICATIONS: TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (JANUARY 1, 2021 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 D 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 10X42 DRIVEN TO REFUSAL ON ROCK OR A MINIMUM BEARING OF 110 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.

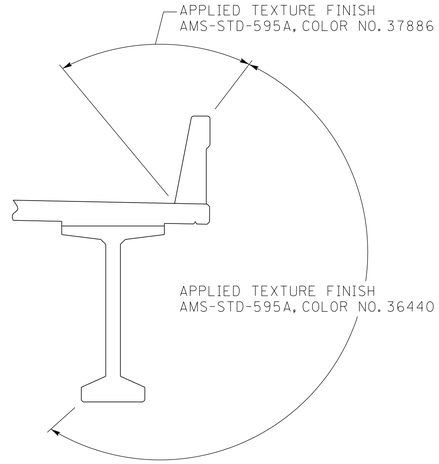
PARAPET SYSTEM: BUILD PARAPETS ACCORDING TO STANDARD DRAWING STD-1-1SS. THE PARAPETS SHALL BE FORMED AND CAST PLUMB, NOT PERPENDICULAR TO THE SLAB. THE DIMENSIONS AT THE TRAFFIC FACE SHALL BE KEPT CONSTANT, WITH VARIATION DUE TO CROSS-SLOPE ACCOMMODATED AT THE REAR FACE.

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: RIDGE RAMSEY DATE: 12-25

1/22/2026 8:56:21 AM

CONST. NO.: 18008-3230-14

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

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

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
(11)	204-05.01	CORE DRILLING AND SAMPLING	L.F.	201			105	96	
	204-14	CORE DRILLING FOR PILES (ROCK)	L.F.	117		117			
	204-15	CORE DRILLING FOR PILES (SOIL)	L.F.	13		13			
(8)	303-01.02	GRANULAR BACKFILL (BRIDGES)	TON	42		21			21
	604-02.03	EPOXY COATED REINFORCING STEEL	LB.	201,876	197,464	2,251			2,161
(7)	604-03.01	CLASS "A" CONCRETE (BRIDGES)	C.Y.	473		78	195	120	80
	604-03.02	STEEL BAR EINFORCEMENT (BRIDGES)	LB.	97,084	3,288	9,041	45,947	29,992	8,816
(1)	604-03.04	PAVEMENT AT BRIDGE ENDS	S.Y.	248		124			124
	604-03.09	CLASS "D" CONCRETE (BRIDGE DECK)	C.Y.	595					
	604-04.01	APPLIED TEXTURE FINISH (NEW STRUCTURES)	S.Y.	2,359	1,422	151	404	237	145
	604-04.41	THREE STAR STATE EMBLEM	EA.	4		2			2
	604-05.31	BRIDGE DECK GROOVING (MECHANICAL)	S.Y.	2,290					
	606-02.03	STEEL PILES (10 INCH)	L.F.	350		130			220
(9)	606-02.06	PILE TIPS (STEEL PILES, 10 INCH)	EA.	24		13			11
(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					
(13)	625-01.10	CAMERA INSPECTION - DRILLED SHAFT (DRY)	EA.	3				3	
(13)	625-01.11	CAMERA INSPECTION - DRILLED SHAFT (UNDER WATER)	EA.	3			3		
(10)	625-02.01	DRILLED SHAFT - SOIL (6'-0" DIAMETER)	V.F.	27			15	12	
(10)	625-02.13	DRILLED SHAFT - ROCK (5'-6" DIAMETER)	V.F.	60			30	30	
(10)	625-02.14	DRILLED SHAFT - ROCK (6'-0" DIAMETER)	V.F.	69			36	33	
(14)	625-02.25	DRILLED SHAFT CASING - PERMANENT (6'-0" INSIDE DIAMETER)	V.F.	105			63	42	
(15)	625-02.40	DRILLED SHAFT (SH-CC) CONCRETE	C.Y.	162			92	70	
	625-02.44	DRILLED SHAFT REINFORCING STEEL	LB.	44,355			25,529	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

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 UNIT PRICE BID FOR THE CAST STEEL POINTS SHALL INCLUDE FURNISHINGS AND INSTALLATION TO THE PILES.

(10) **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.

(11) **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.

(12) **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.

(13) **NOTE:** THE INTENT IS TO VERIFY THAT THE SHAFT TIP AND SIDE WALLS OF THE SOCKET ARE CLEAN AND INTACT.

(14) **NOTE:** THE CONTRACTOR SHALL USE PERMANENT CASING. THE STRUCTURAL CAPACITY OF THE CASING IS NOT INCORPORATED INTO THE DESIGN.

(15) **NOTE:** DRILLED SHAFT CONCRETE SHALL BE CLASS SH-SCC.

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BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED QUANTITIES
STATE ROUTE 28
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DRAWN BY: T. WISEMAN DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: RIDGE RAMSEY DATE: 12-25

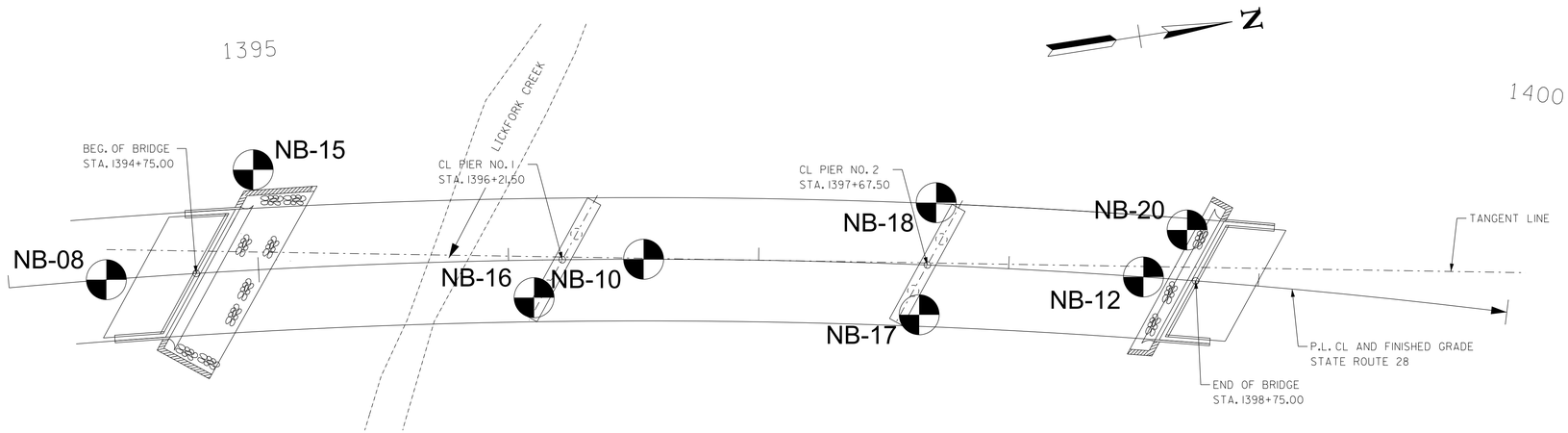
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CONST. NO.: 18008-3230-14

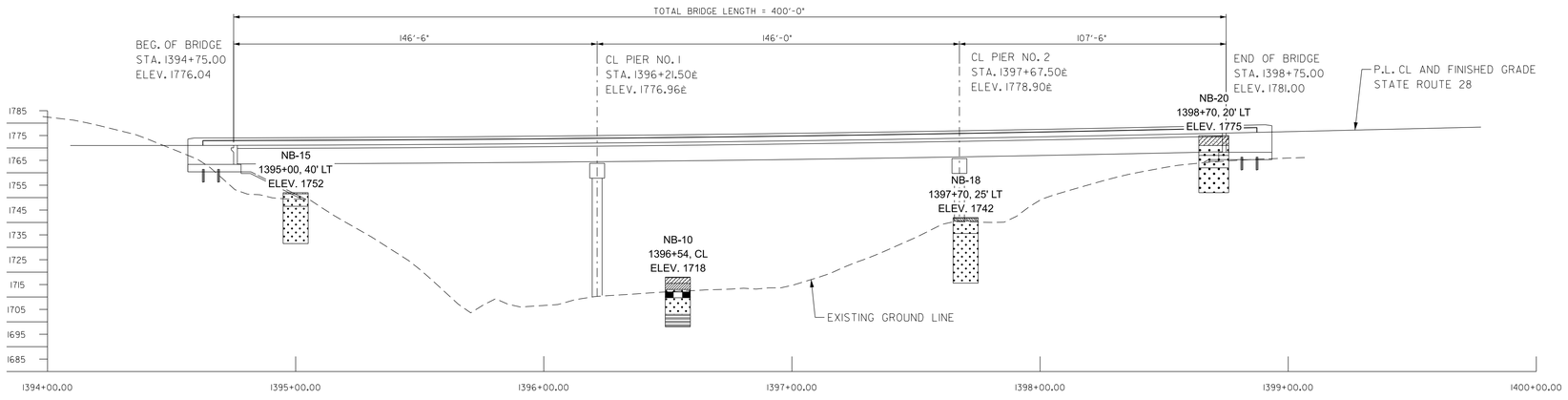
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

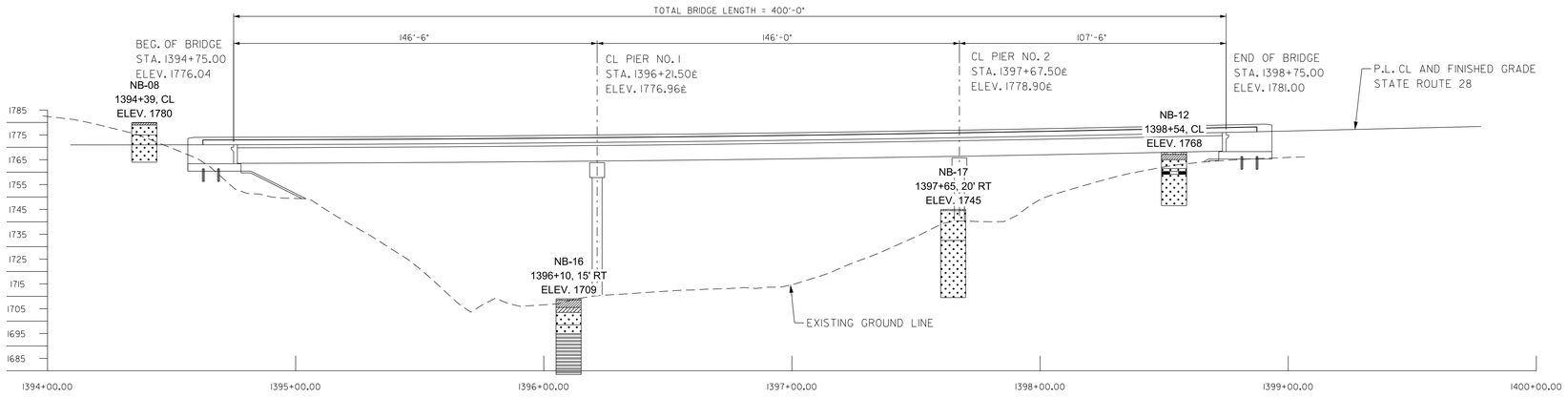
NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		



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
- SANDSTONE
- LEAN CLAY
- OVERBURDEN
- SHALE
- OPEN VOID
- CLAYEY SAND

SEALED BY

PS&E
FIELD
REVIEW

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: RIDGE RAMSEY DATE: 12-25

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

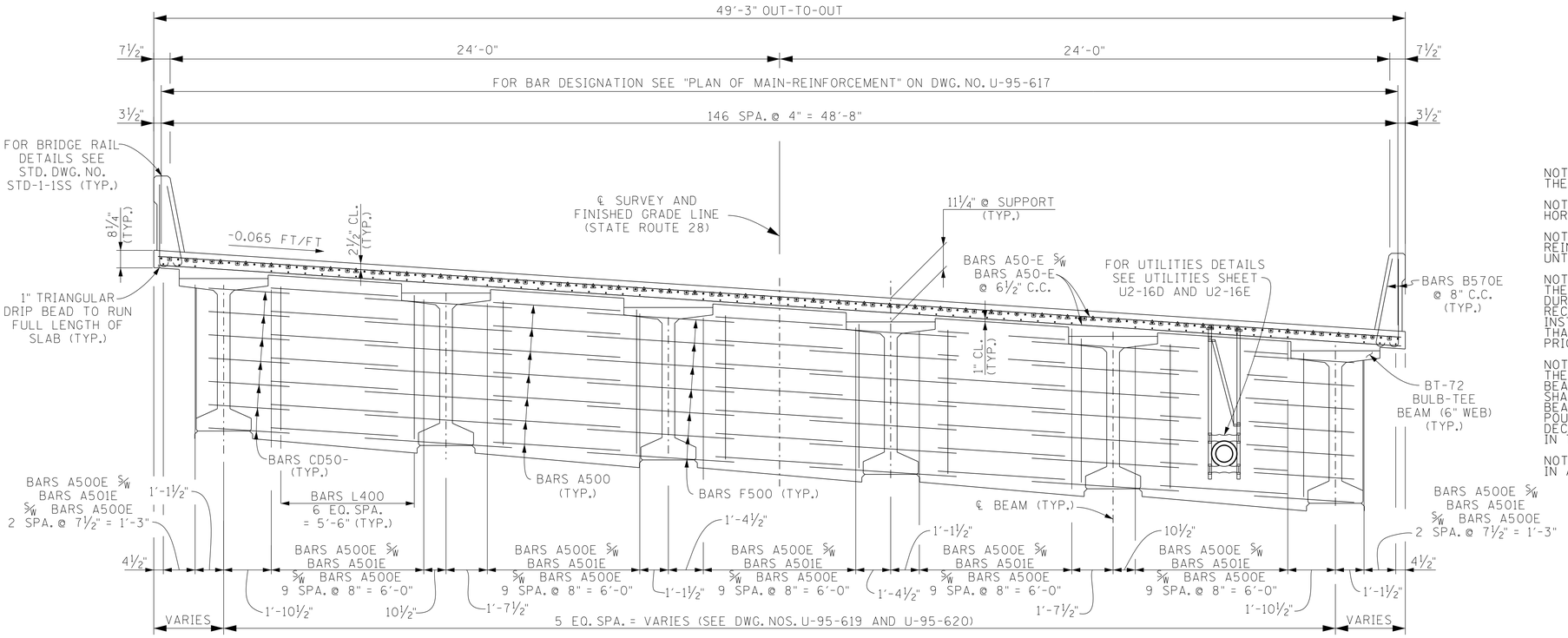
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CONST. NO.: 18008-3230-14

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

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		



NOTE: NO PORTION OF THE CURBS OR PARAPETS SHALL BE POURED UNTIL THE ENTIRE DECK SLAB IS IN PLACE.

NOTE: THE 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 BE INSTALLED PRIOR TO PLACING ANY LOADS ON THE BEAMS, IT IS REQUIRED THAT ALL TEMPORARY ERECTION DIAPHRAGMS IN A SPAN BE FULLY INSTALLED PRIOR TO POURING ANY PORTION OF THE SLAB IN THAT SPAN.

NOTE: THE SUPPORT DIAPHRAGMS AT THE PIERS SHALL BE FORMED AND THE BOTTOM 15" 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.

NOTE: ANCHOR BOLTS AT BENTS: ANCHOR BOLT ASSEMBLIES AT PIERS SHALL BE IN ACCORDANCE WITH STANDARD DRAWING STD-6-1.

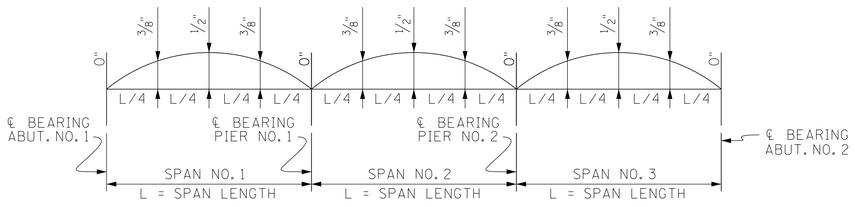
● DENOTES: CUT-OFF BARS A901E (PIER NO. 1 ONLY)

■ DENOTES: CUT-OFF BARS A703E ⅝ A900E ⅝ A702E (PIER NO. 1 ONLY)
OR CUT-OFF BARS A900E ⅝ A702E (PIER NO. 2 ONLY)

▲ DENOTES: CUT-OFF BARS A701E ⅝ A900E ⅝ A701E (PIER NO. 1 ONLY)
OR CUT-OFF BARS A902E ⅝ A701E (PIER NO. 2 ONLY)

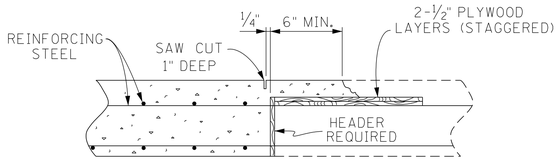
TYPICAL CROSS-SECTION

(SHOWN AT SUPPORT AT PIER NO. 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.
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%.



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 MAY 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.

SEALED BY

PS&E
FIELD
REVIEW

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

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: RIDGE RAMSEY DATE: 12-25

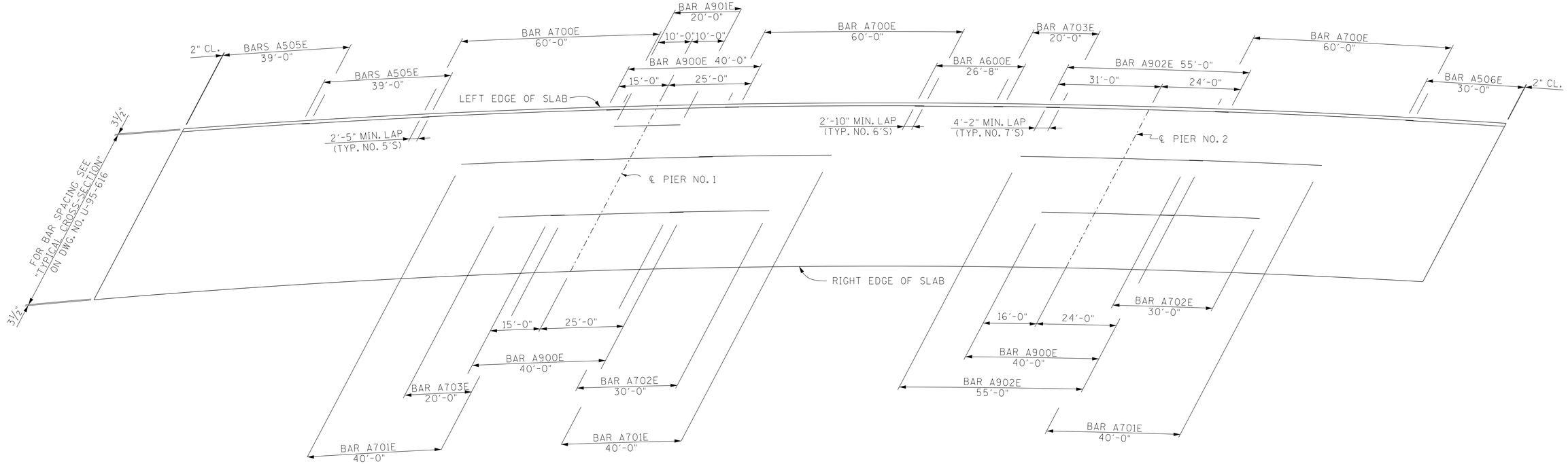
1/27/2026 9:27:49 AM

PS&E. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		



PLAN OF MAIN REINFORCEMENT

(FOR BAR LOCATIONS SEE TYPICAL CROSS-SECTION
ON DWG. NO. U-95-616) (BARS OMITTED FOR CLARITY)

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PS&E
FIELD
REVIEW

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+64.00
CUMBERLAND COUNTY

U-95-617

PIN NO.: 100260.03
DESIGN BY: J. RAMSEY DATE: 07-25
DRAWN BY: C. STAPLER DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: DATE:

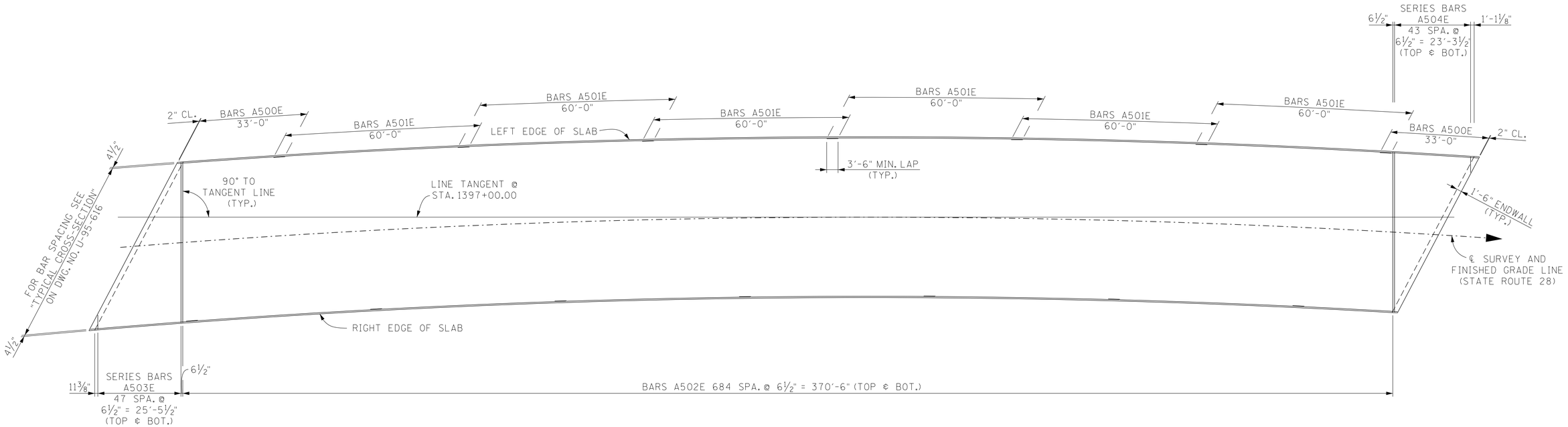
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PS&E. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		



SLAB PLAN

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FIELD
REVIEW

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+64.00
CUMBERLAND COUNTY

U-95-618

PIN NO.: 100260.03
DESIGN BY: J. RAMSEY DATE: 07-25
DRAWN BY: C. STAPLER DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: DATE:

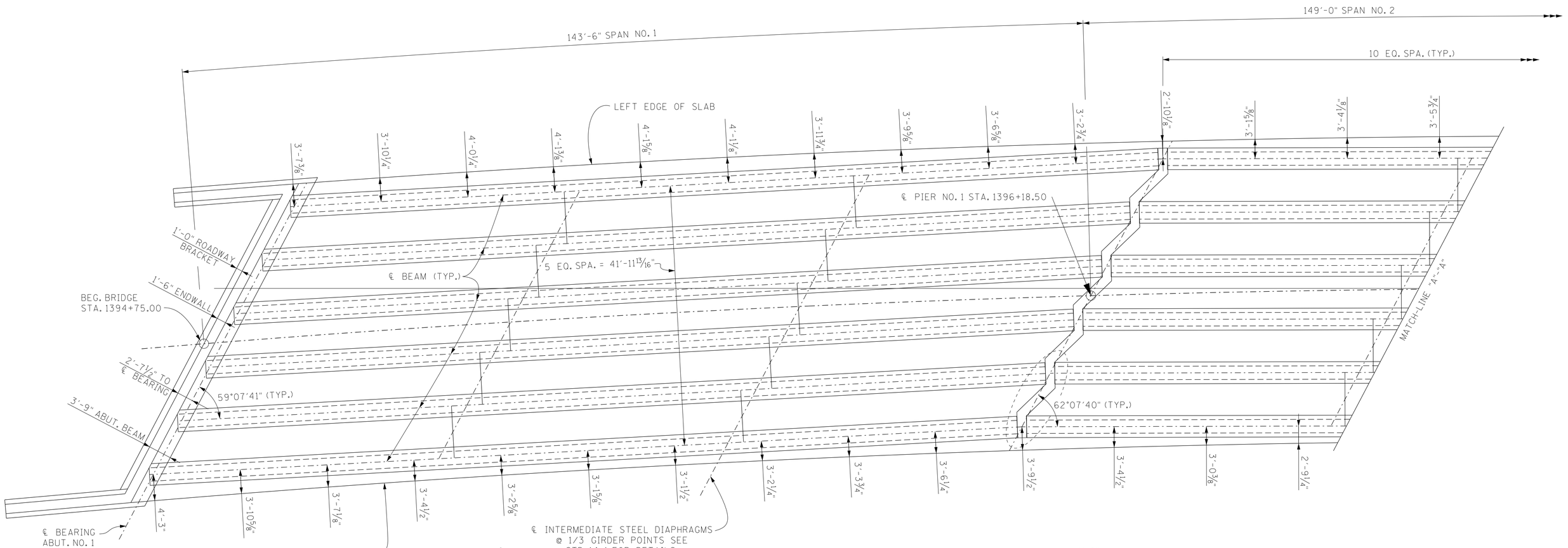
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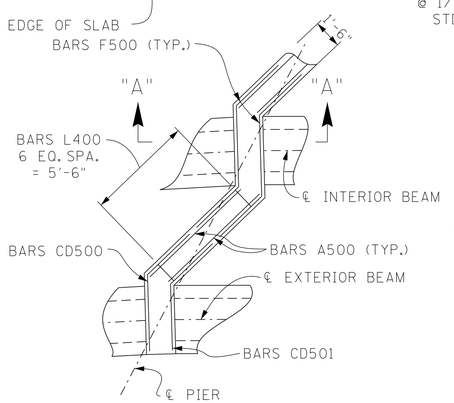
CONST. NO.: 18008-3230-14

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

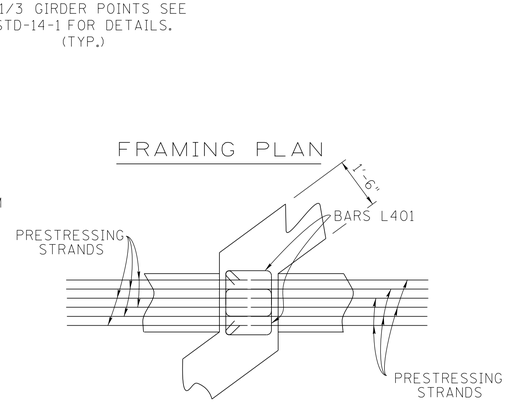
REVISIONS

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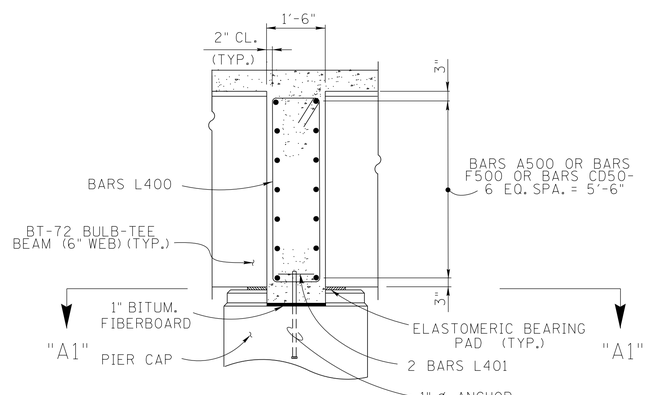




PARTIAL PLAN OF DIAPHRAGM



SECTION "A1"-"A1"



SECTION "A"-"A"

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:	RIDGE RAMSEY	DATE:	12-25

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PS&E
FIELD
REVIEW

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

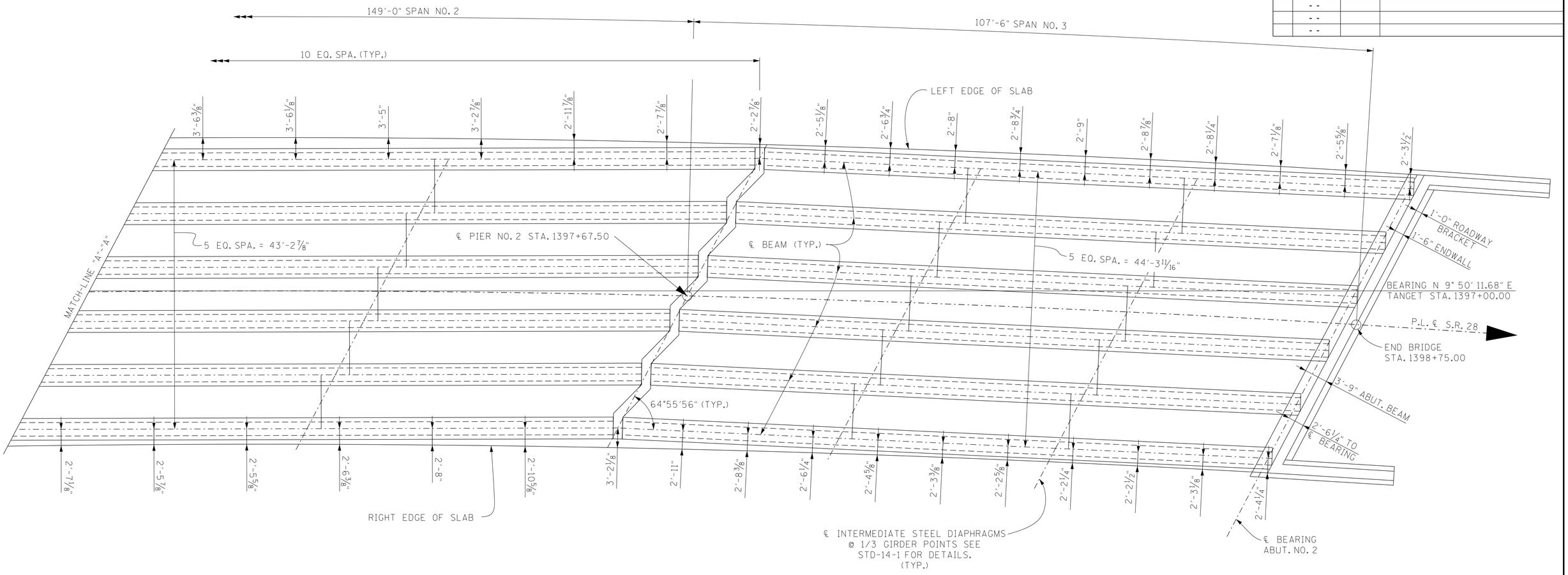
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CONST. NO.: 18008-3230-14

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

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		



FRAMING PLAN

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FIELD
REVIEW

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: RIDGE RAMSEY DATE: 12-25

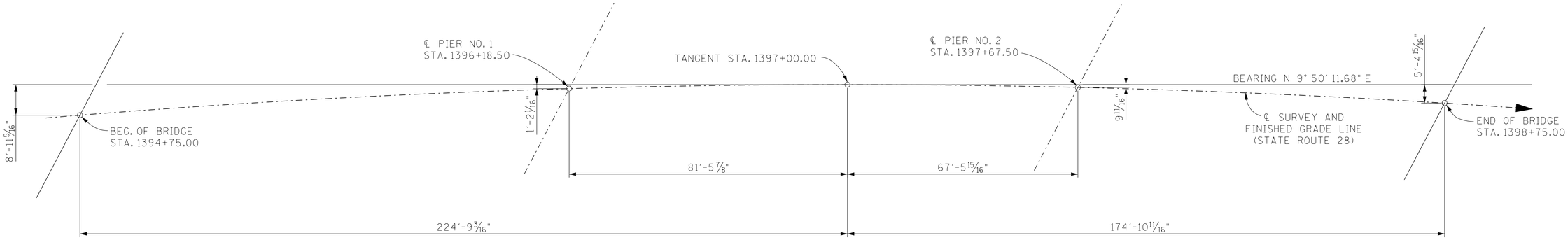
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CONST. NO.: 18008-3230-14

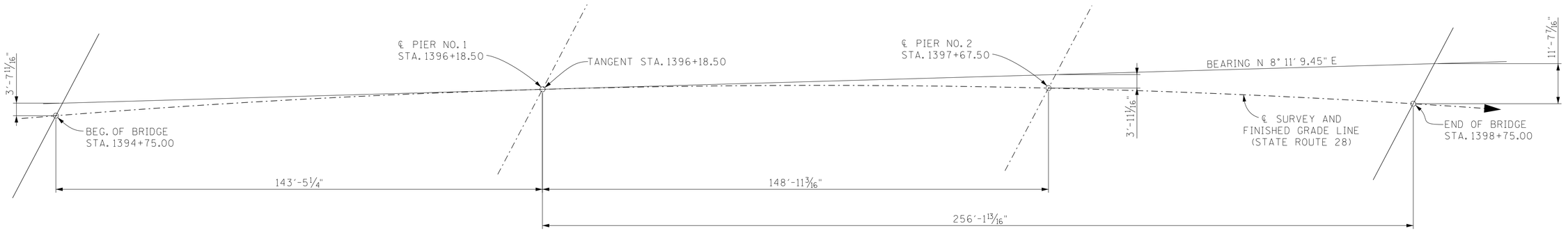
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2026	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		



STAKE-OUT PLAN



ALTERNATE STAKE-OUT PLAN

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FIELD
REVIEW

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: RIDGE RAMSEY DATE: 12-25

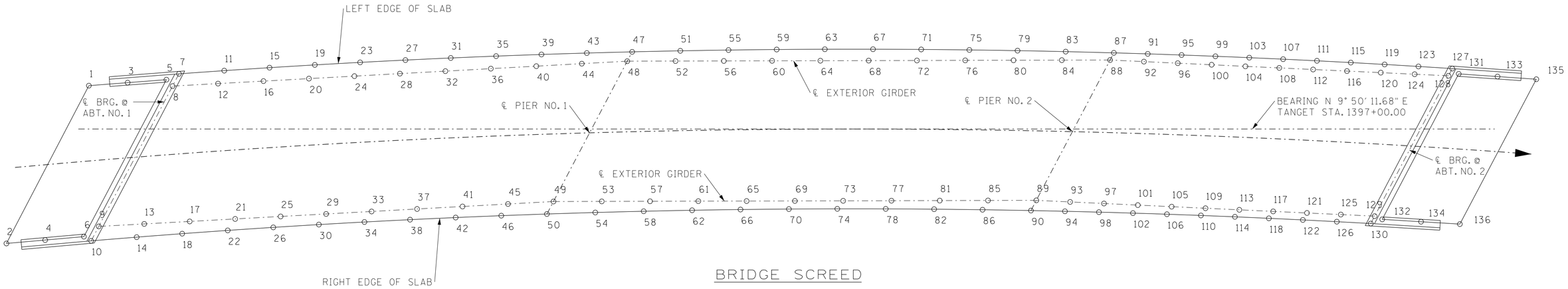
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CONST. NO.: 18008-3230-14

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

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		



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
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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
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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
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PS&E
FIELD
REVIEW

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: RIDGE RAMSEY DATE: 12-25

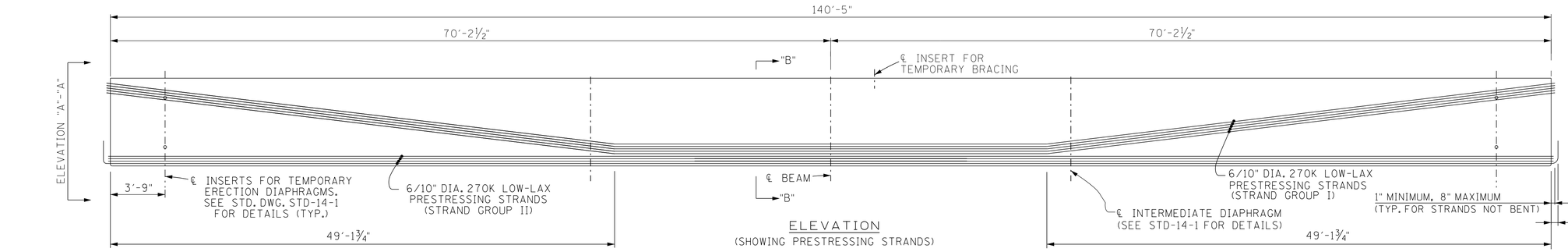
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PS&E. NO.: 18008-3230-14

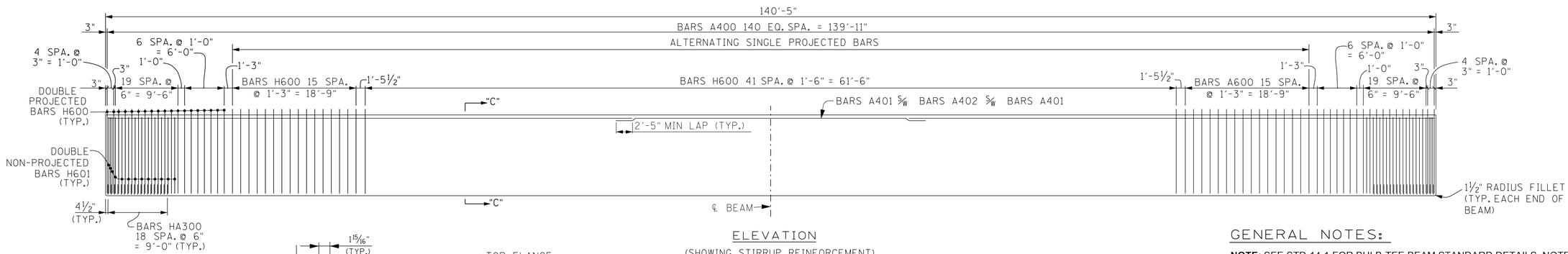
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		



ELEVATION
(SHOWING PRESTRESSING STRANDS)

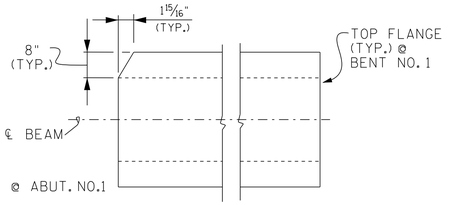


ELEVATION
(SHOWING STIRRUP REINFORCEMENT)

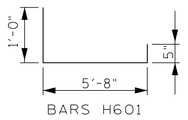
BILL OF STEEL

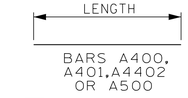
(BEAM SPAN NO. 1)

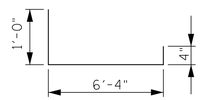
BAR	SIZE	NO. REQ'D	LENGTH
A400	4	141	3'-2"
A401	4	12	60'-0"
A402	4	6	24'-11"
A500	5	16	5'-6"
H600	6	150	7'-8"
H601	6	52	7'-1"
HA300	3	38	5'-4"

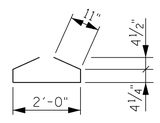


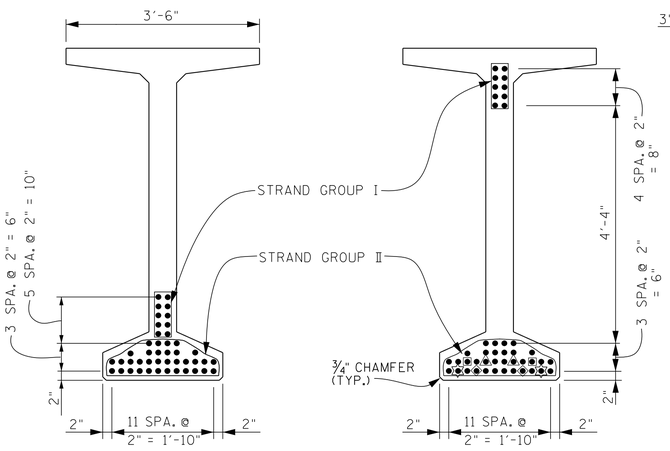
CLIP DETAIL





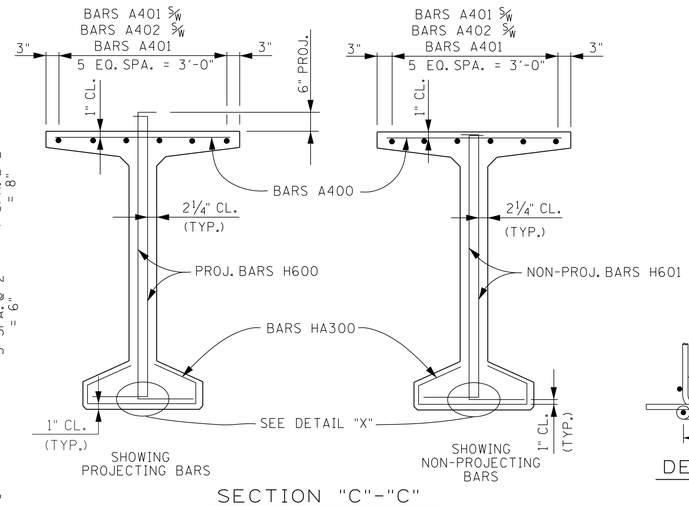




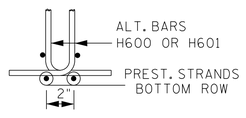


SECTION "B"-"B"
(SHOWING PRESTRESSED STRANDS AT MIDSPAN)
(44 STRANDS)

ELEVATION "A"-"A"
(SHOWING PRESTRESSED STRANDS AT ENDS)
(44 STRANDS)



SECTION "C"-"C"



DETAIL "X"

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	3,328

▲ DENOTES: BREAK BOND 6'-0" FROM END OF BEAM
● DENOTES: BREAK BOND 8'-0" FROM END OF BEAM
◉ DENOTES: BREAK BOND 10'-0" FROM END OF BEAM
✹ DENOTES: BREAK BOND 12'-0" FROM END OF BEAM

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.

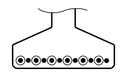
PRESTRESSED BEAM DESIGN DATA (PER BEAM):

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.

SEALED BY

PS&E
FIELD
REVIEW

PIN NO.: 100260.03
DESIGN BY: J. RAMSEY DATE: 07-25
DRAWN BY: JERRY W. SIMPSON DATE: 8-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: DATE:

10:53:59 AM
10/27/2025

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+64.00
CUMBERLAND COUNTY

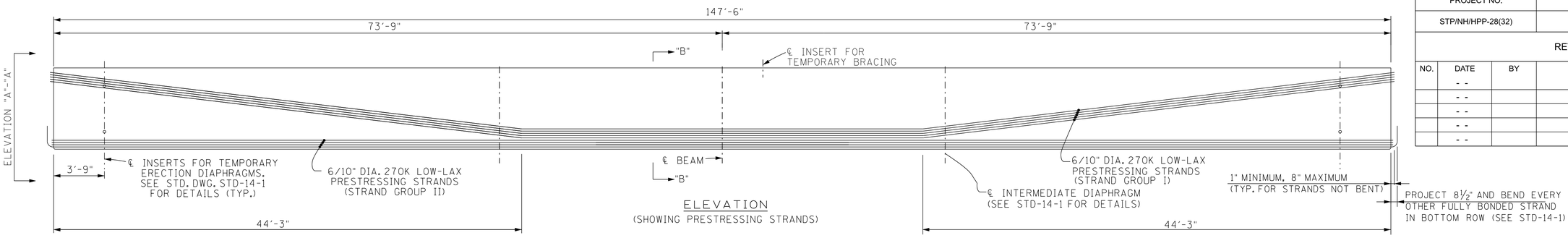
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PS&E. NO.: 18008-3230-14

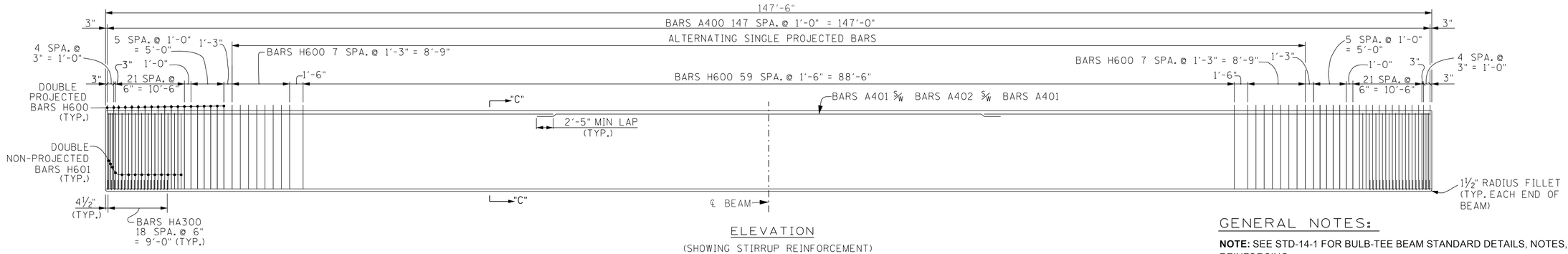
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
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	- -		
	- -		
	- -		



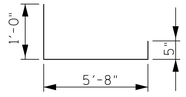
ELEVATION
(SHOWING PRESTRESSING STRANDS)



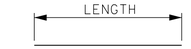
ELEVATION
(SHOWING STIRRUP REINFORCEMENT)

BILL OF STEEL
(BEAM SPAN NO. 2)

BAR	SIZE	NO. REQ'D	LENGTH
A400	4	147	3'-2"
A401	4	12	60'-0"
A402	4	6	32'-4"
A500	5	16	5'-6"
H600	6	152	7'-8"
H601	6	56	7'-1"
HA300	3	38	5'-4"



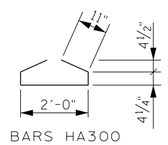
BARS H601



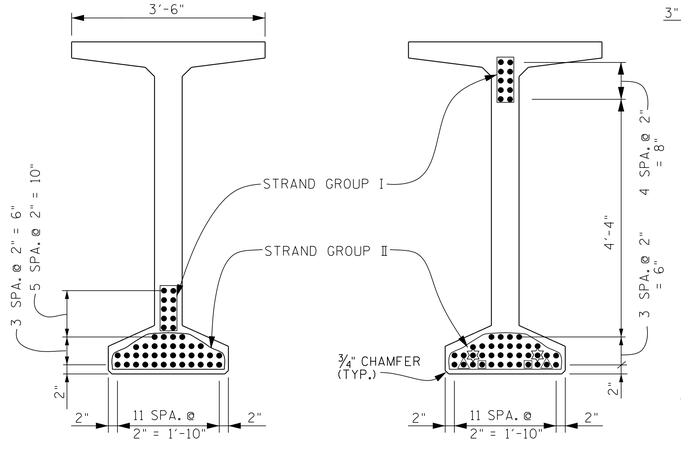
BARS A400, A401, A402 OR A500



BARS H600

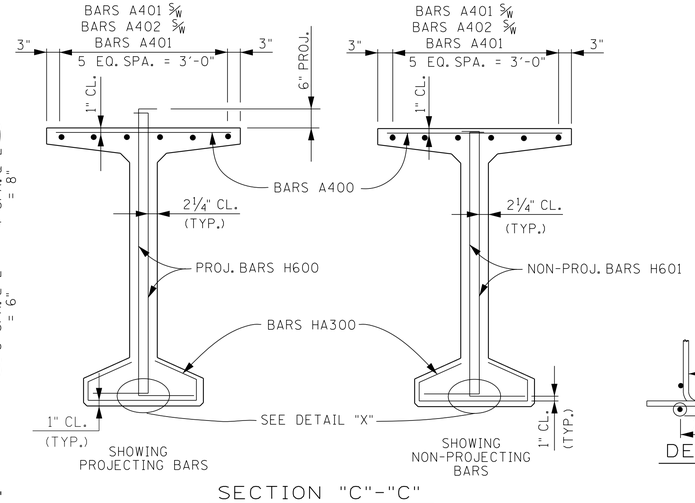


BARS HA300

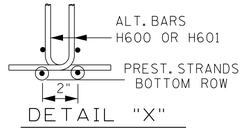


SECTION "B"-"B"
(SHOWING PRESTRESSED STRANDS AT MIDSPAN)
(46 STRANDS)

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):

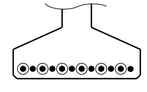
LIVE LOAD DISTRIBUTION FACTOR: MOMENT = 0.91 LANES
SHEAR = 1.00 LANES

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: J. RAMSEY DATE: 07-25
DRAWN BY: JERRY W. SIMPSON DATE: 8-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: DATE:

▲ DENOTES: BREAK BOND 3'-0" FROM END OF BEAM
● DENOTES: BREAK BOND 5'-0" FROM END OF BEAM
✱ DENOTES: BREAK BOND 7'-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	3,436

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+64.00
CUMBERLAND COUNTY

U-95-624

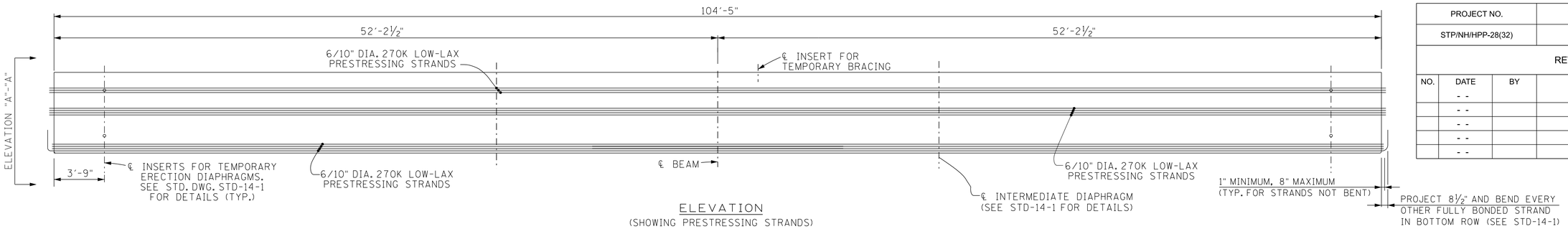
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PS&E. NO.: 18008-3230-14

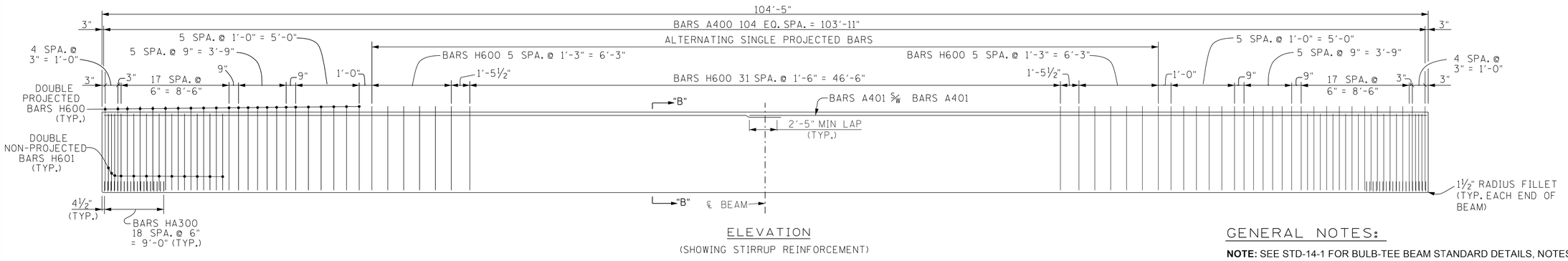
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
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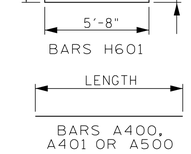
ELEVATION
(SHOWING PRESTRESSING STRANDS)

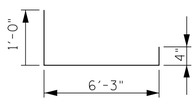


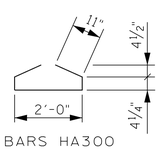
ELEVATION
(SHOWING STIRRUP REINFORCEMENT)

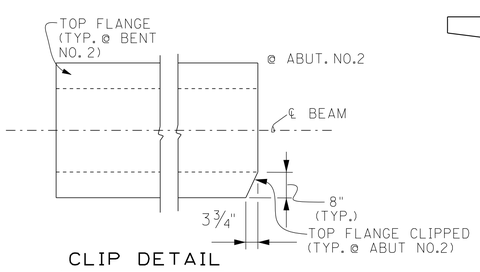
BILL OF STEEL
(BEAM SPAN NO. 3)

BAR	SIZE	NO. REQ'D	LENGTH
A400	4	105	3'-2"
A401	4	12	53'-3"
A500	5	16	5'-6"
H600	6	136	7'-7"
H601	6	48	7'-1"
HA300	3	38	5'-4"

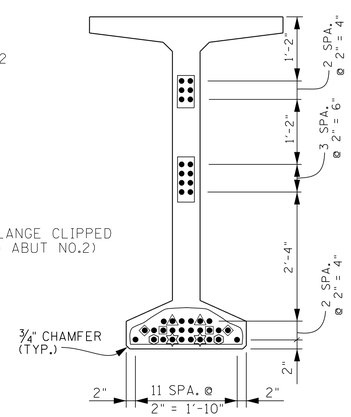




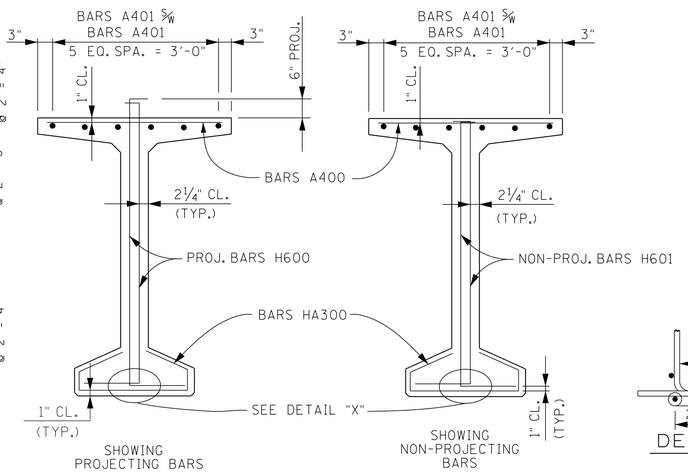




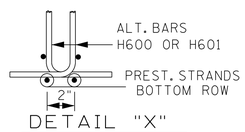
CLIP DETAIL



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 6'-0" FROM END OF BEAM
◉ DENOTES: BREAK BOND 8'-0" FROM END OF BEAM
◉ DENOTES: BREAK BOND 10'-0" FROM END OF BEAM
◉ DENOTES: BREAK BOND 12'-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	3,931	21	2,894

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.

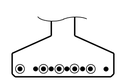
PRESTRESSED BEAM DESIGN DATA (PER BEAM):

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.

SEALED BY

PS&E
FIELD
REVIEW

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+64.00
CUMBERLAND COUNTY

U-95-625

PIN NO.: 100260.03
DESIGN BY: J. RAMSEY DATE: 07-25
DRAWN BY: JERRY W. SIMPSON DATE: 8-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: DATE:

10/27/2025 11:00:56 AM

PS&E. NO.: 18008-3230-14

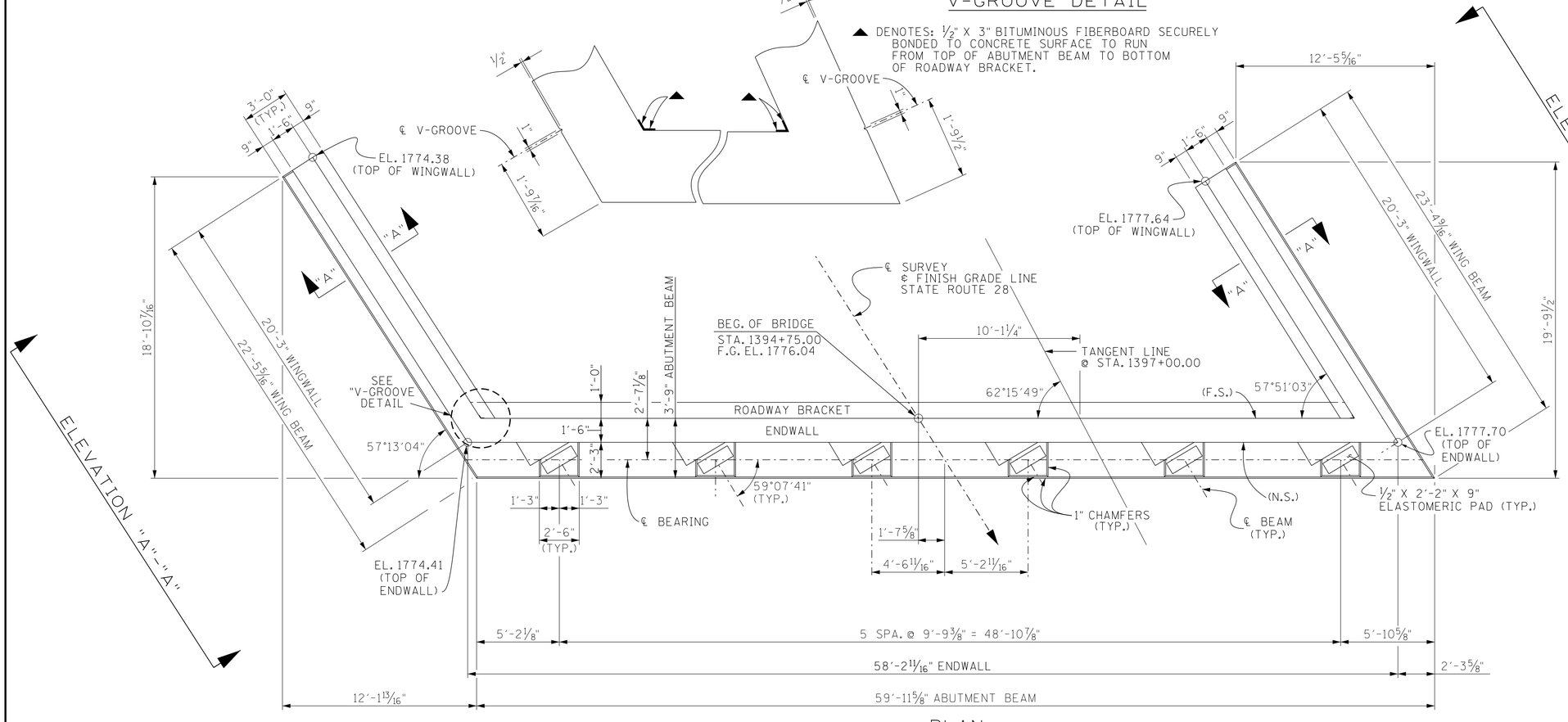
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

REVISIONS

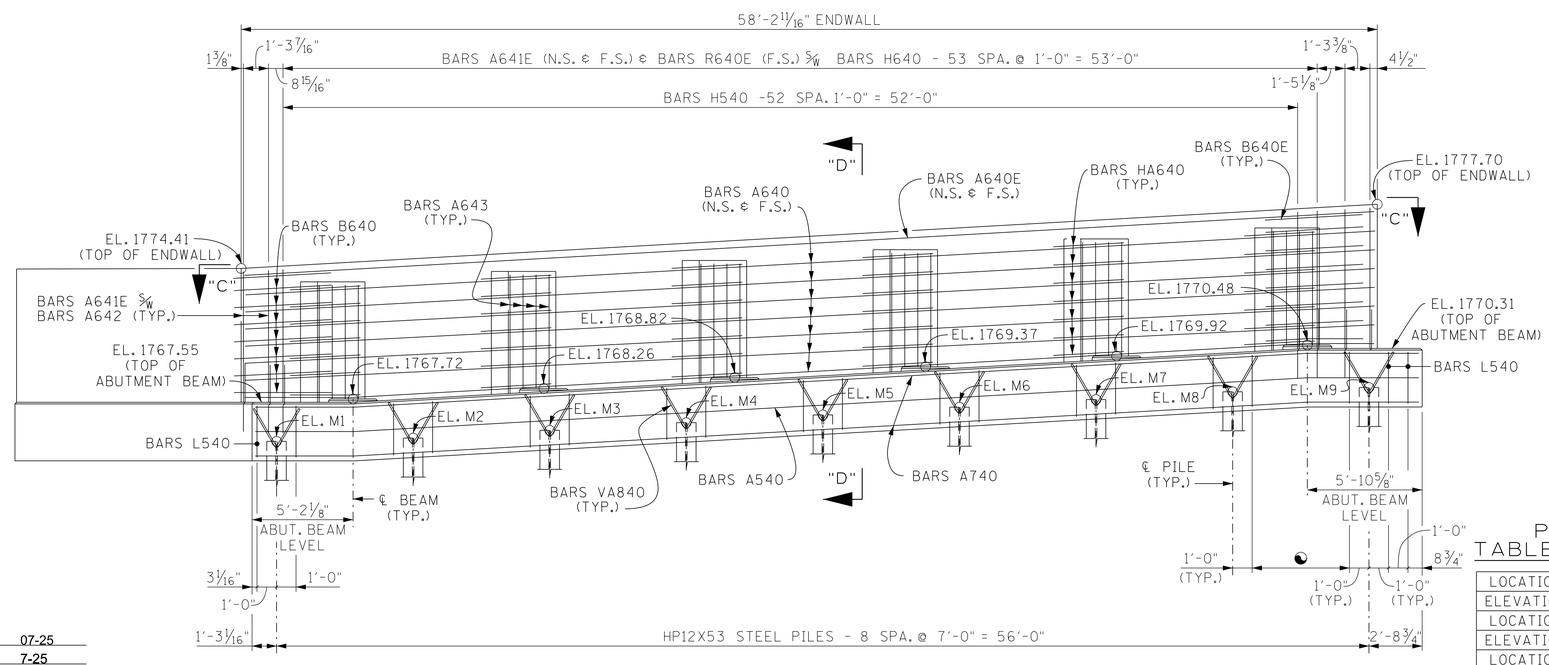
NO.	DATE	BY	BRIEF DESCRIPTION
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V-GROOVE DETAIL

▲ DENOTES: ½" X 3" BITUMINOUS FIBERBOARD SECURELY BONDED TO CONCRETE SURFACE TO RUN FROM TOP OF ABUTMENT BEAM TO BOTTOM OF ROADWAY BRACKET.



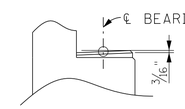
PLAN



ELEVATION
(LOOKING BACKWARD ON SURVEY)

◓ DENOTES: BARS L540 - 5 SPA. @ 1'-0" = 5'-0" (TYP. BETWEEN PILES)

DIRECTION OF SURVEY



RISER BLOCK SLOPE DETAIL
(TYP. EACH RISER BLOCK)

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

PS&E FIELD REVIEW

PILE CUT-OFF TABLE OF ELEVATIONS

LOCATION	"M1"	"M2"	"M3"
ELEVATION	1765.55	1765.72	1765.95
LOCATION	"M4"	"M5"	"M6"
ELEVATION	1766.35	1766.75	1767.55
LOCATION	"M7"	"M8"	"M9"
ELEVATION	1768.35	1768.75	1768.31

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ABUTMENT NO. 1
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+64.00
CUMBERLAND COUNTY

U-95-626

PIN NO.: 100260.03
DESIGN BY: J. RAMSEY DATE: 07-25
DRAWN BY: B. ERVIN DATE: 7-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: DATE:

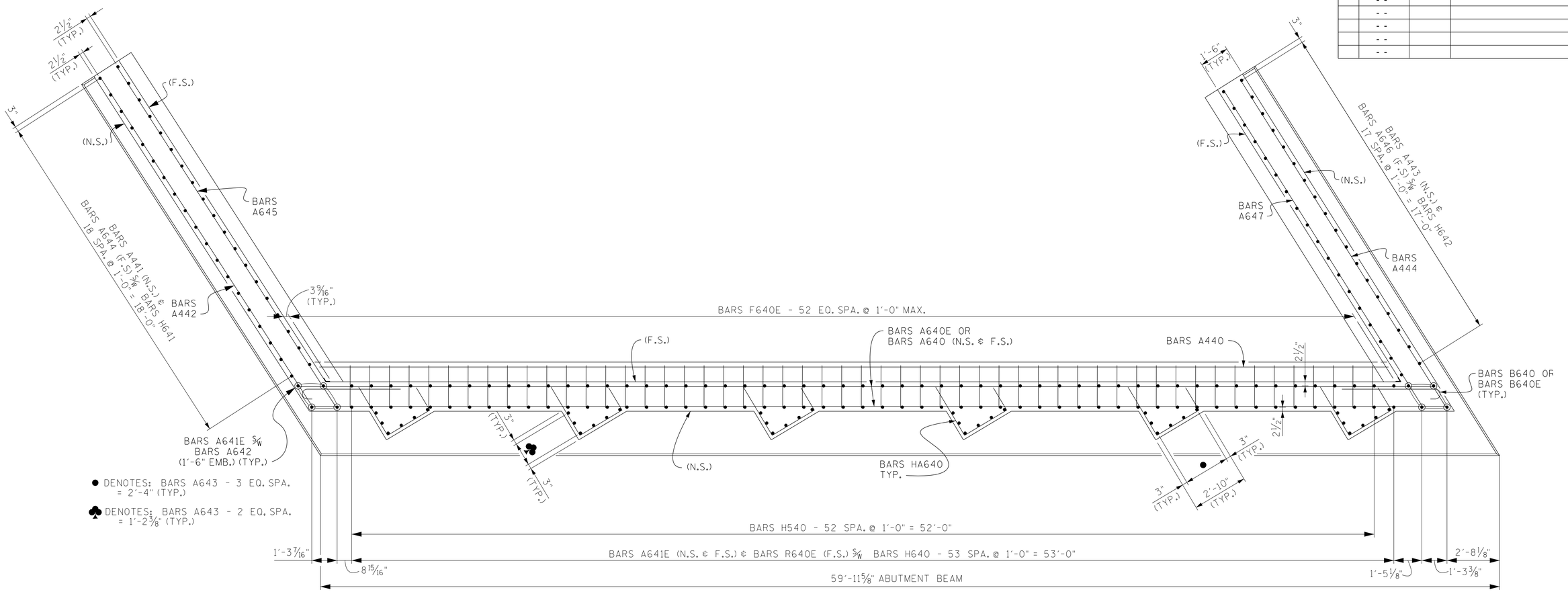
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PS&E. NO.: 18008-3230-14

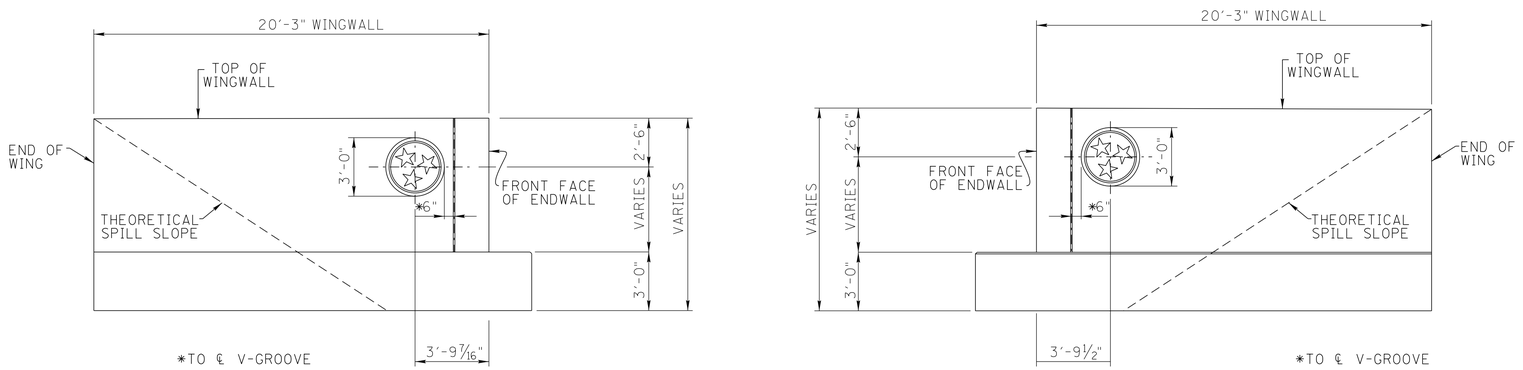
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
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	- -		
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	- -		



SECTION "C"-"C"



ABUTMENT TREATMENT

SEALED BY

PS&E
FIELD
REVIEW

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+64.00
CUMBERLAND COUNTY

U-95-627

PIN NO.: 100260.03
DESIGN BY: J. RAMSEY DATE: 07-25
DRAWN BY: B. ERVIN DATE: 7-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: DATE:

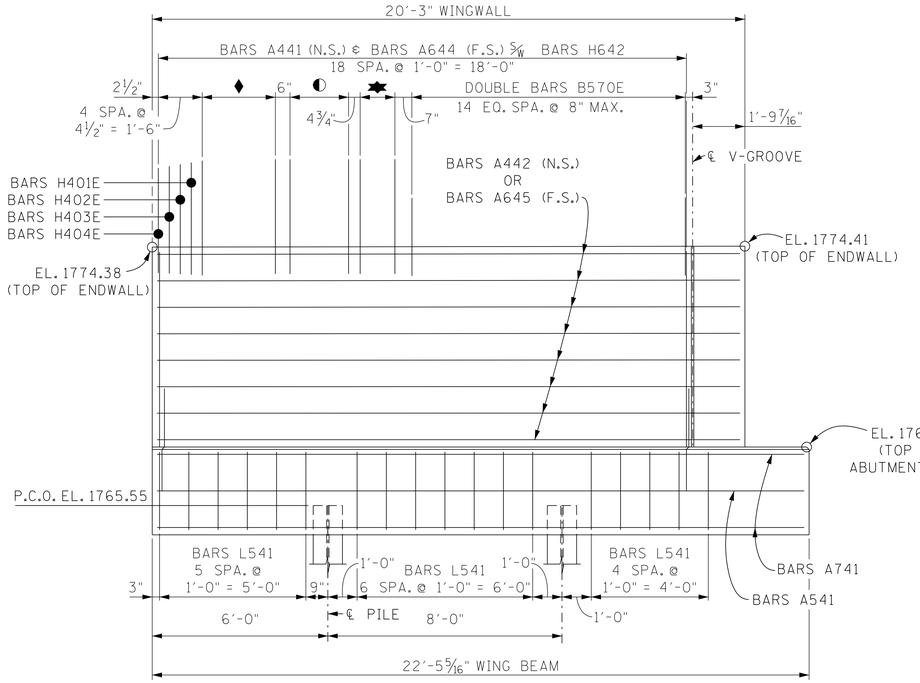
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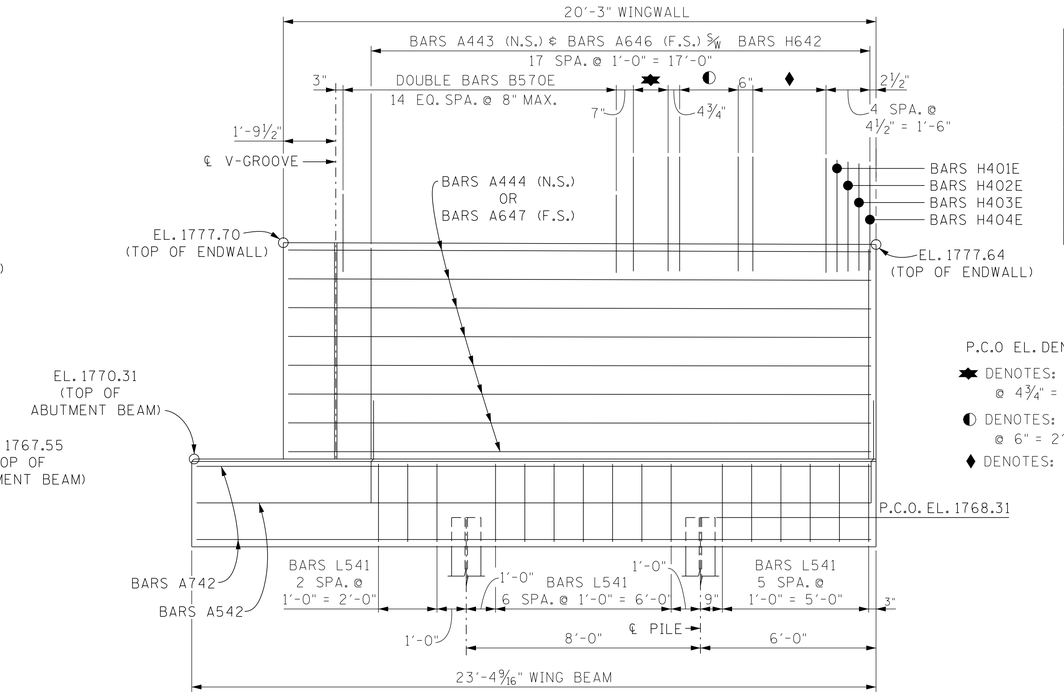
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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ELEVATION "A"-"A"



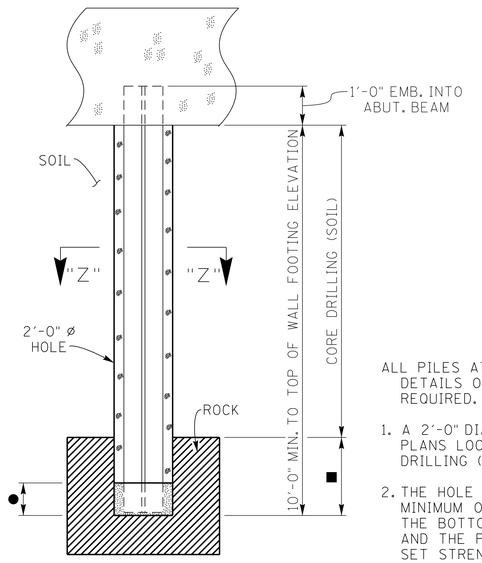
ELEVATION "B"-"B"

P.C.O EL. DENOTES: PILE CUT-OFF ELEVATION

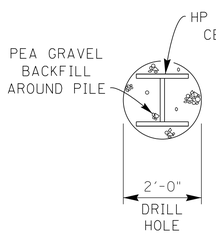
✸ DENOTES: SERIES BARS HD400E - 3 SPA. @ 4¾" = 1'-2¼"

◐ DENOTES: SERIES BARS HD401E - 4 SPA. @ 6" = 2'-0"

♦ DENOTES: BARS H400E - 5 SPA. @ 6" = 2'-6"



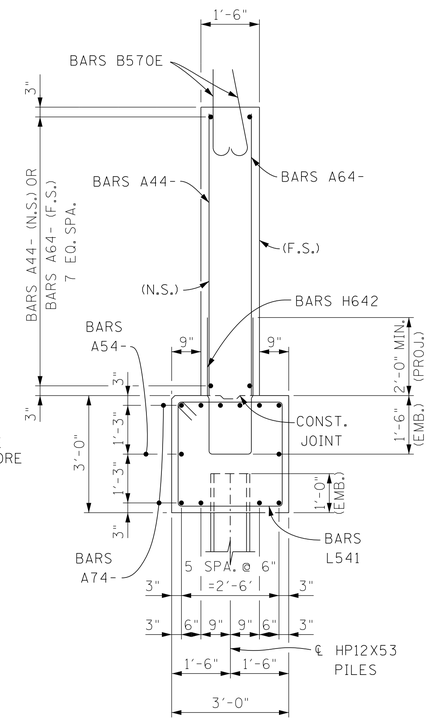
PRE-DRILLED PILE DETAILS



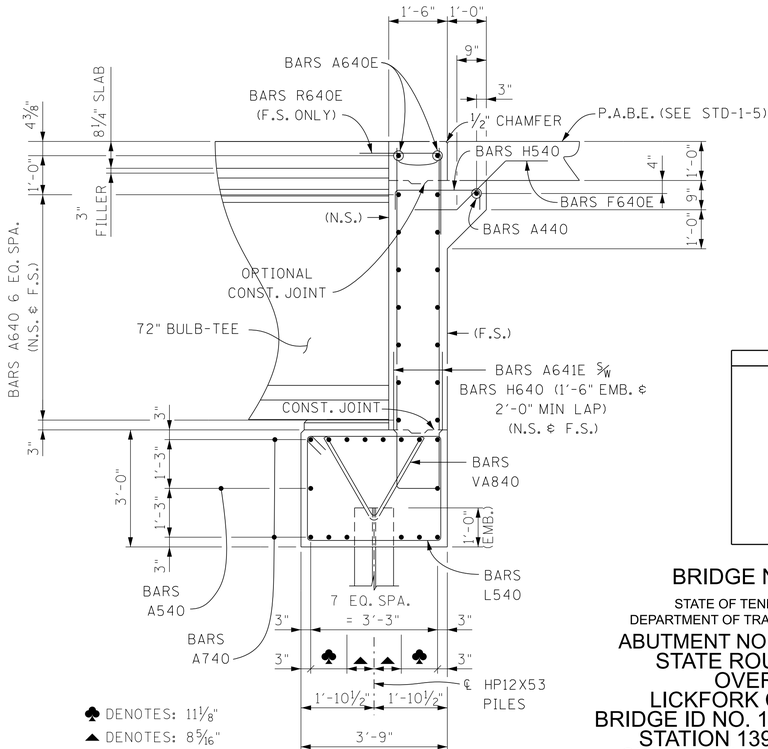
SECTION "Z-Z"

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.



SECTION "A"-"A"



♣ DENOTES: 11⅛"

▲ DENOTES: 8 5/16"

SECTION "D"-"D"

SEALED BY

PS&E
FIELD
REVIEW

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+64.00
CUMBERLAND COUNTY

U-95-628

PIN NO.:	100260.03		
DESIGN BY:	J. RAMSEY	DATE:	07-25
DRAWN BY:	B. ERVIN	DATE:	7-25
SUPERVISED BY:	S. STEELE/D. BERWARY	DATE:	07-25
CHECKED BY:		DATE:	

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11/3/2025

PS&E. NO.: 18008-3230-14

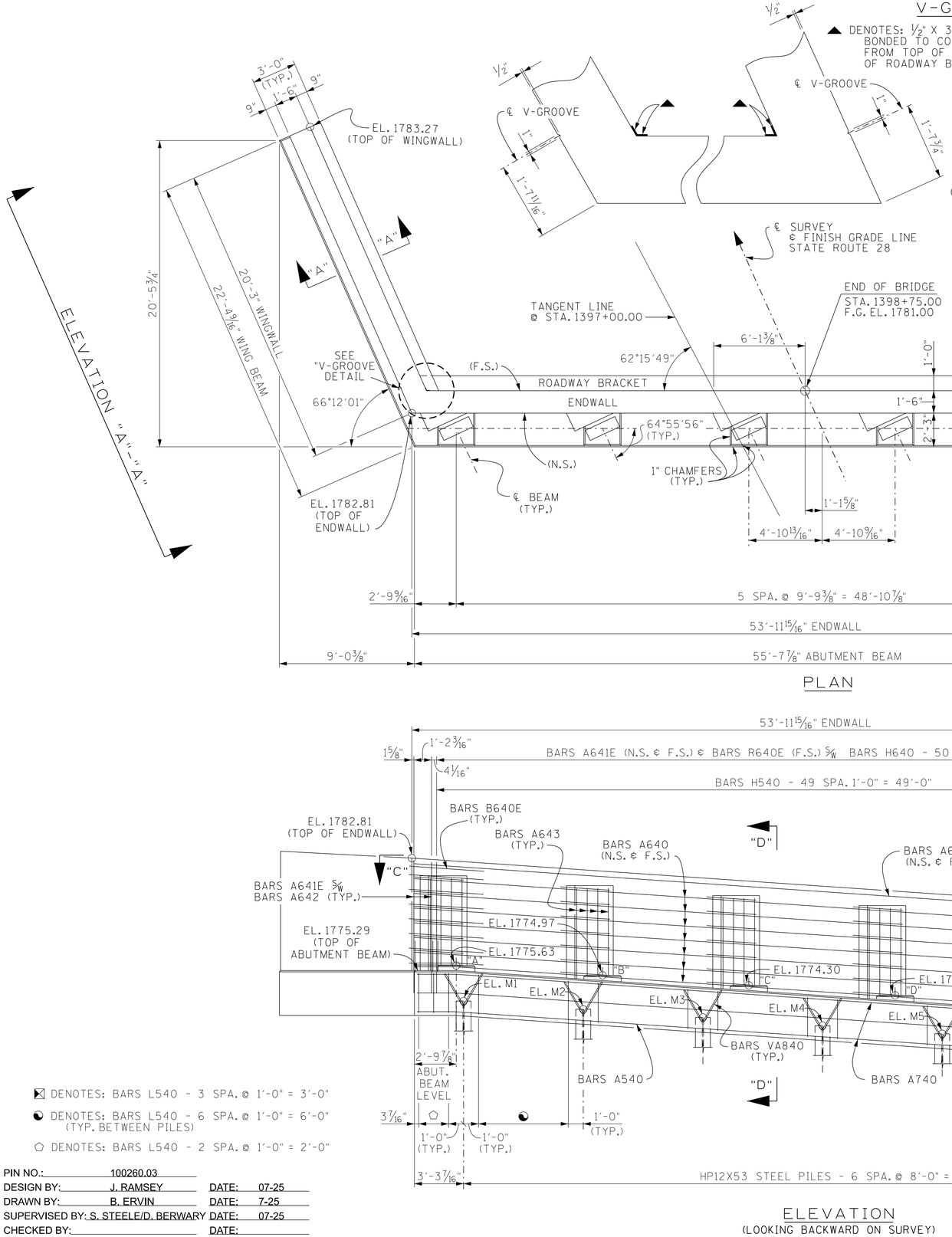
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

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.



☒ DENOTES: BARS L540 - 3 SPA. @ 1'-0" = 3'-0"

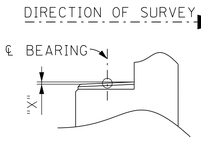
◒ DENOTES: BARS L540 - 6 SPA. @ 1'-0" = 6'-0" (TYP. BETWEEN PILES)

⬠ DENOTES: BARS L540 - 2 SPA. @ 1'-0" = 2'-0"

PIN NO.: 100260.03
DESIGN BY: J. RAMSEY DATE: 07-25
DRAWN BY: B. ERVIN DATE: 7-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: DATE:

PILE CUT-OFF TABLE OF ELEVATIONS

LOCATION	"M1"	"M2"	"M3"	"M4"
ELEVATION	1773.25	1772.70	1772.15	1771.60
LOCATION	"M5"	"M6"	"M7"	
ELEVATION	1771.05	1770.50	1769.95	



RISER BLOCK SLOPE DETAIL

(TYP. EACH RISER BLOCK)

TABLE OF DIMENSIONS

	"X"
RISER BLOCK "A"	9⁄16"
RISER BLOCK "B"	9⁄16"
RISER BLOCK "C"	9⁄16"
RISER BLOCK "D"	½"
RISER BLOCK "E"	½"
RISER BLOCK "F"	½"

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

PS&E FIELD REVIEW

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ABUTMENT NO. 2
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+64.00
CUMBERLAND COUNTY

U-95-629

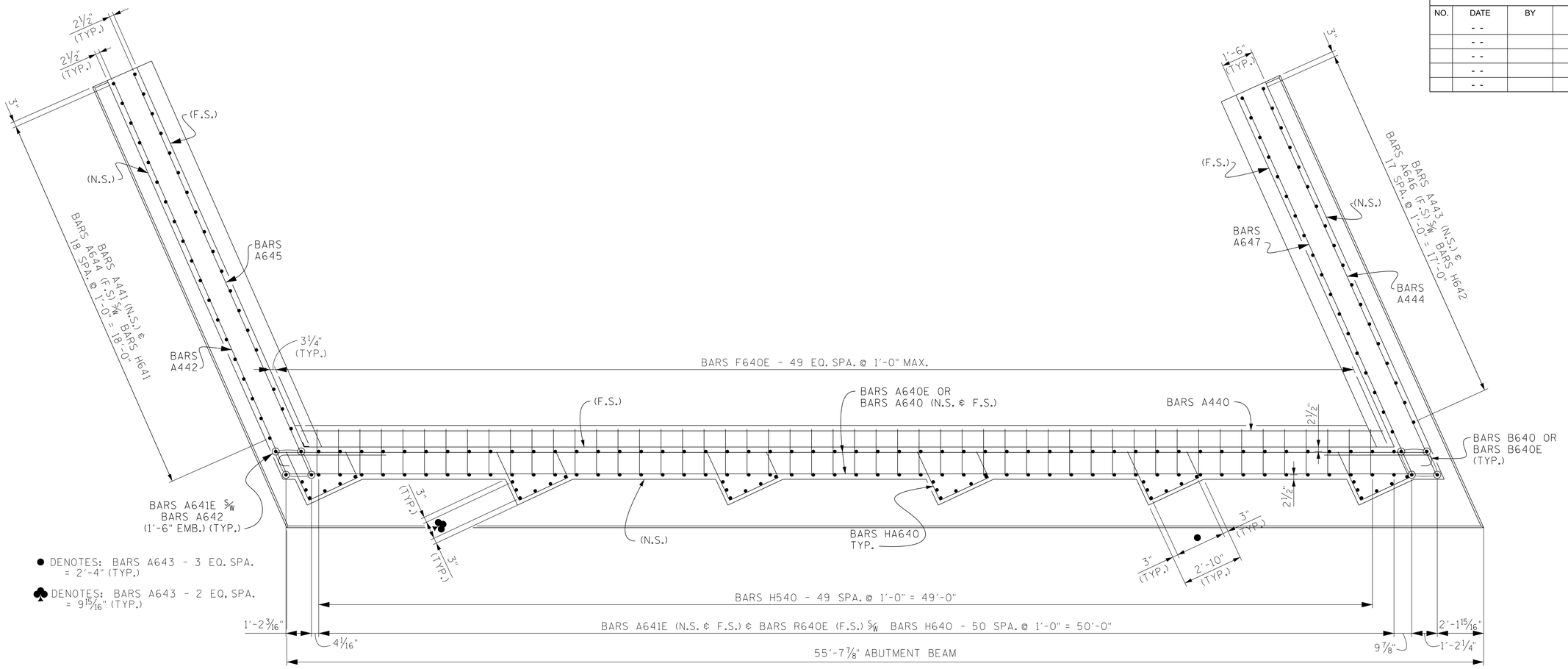
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PS&E. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

REVISIONS

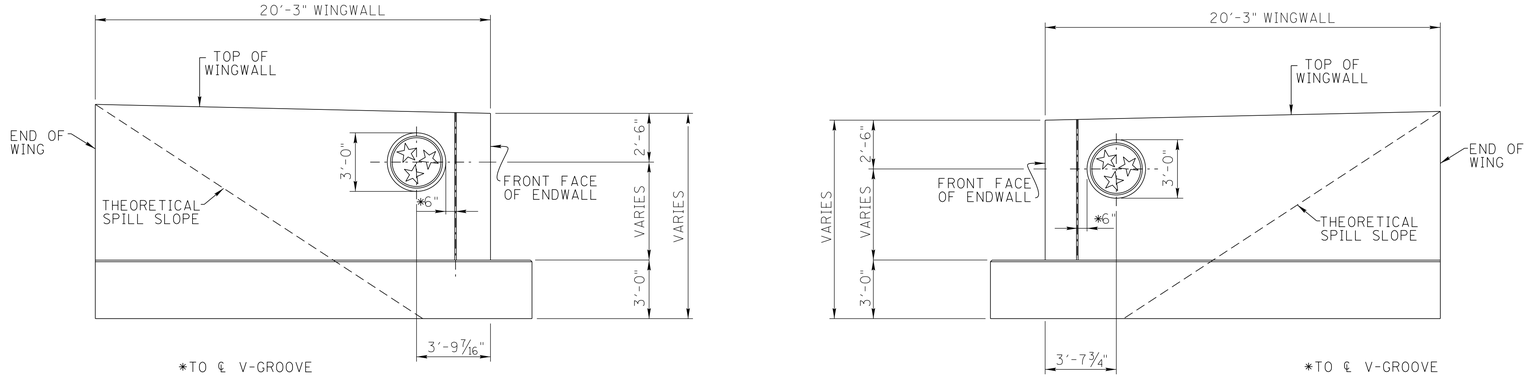
NO.	DATE	BY	BRIEF DESCRIPTION
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● DENOTES: BARS A643 - 3 EQ. SPA. = 2'-4" (TYP.)

♣ DENOTES: BARS A643 - 2 EQ. SPA. = 9 15/16" (TYP.)

SECTION "C"-"C"



ABUTMENT TREATMENT

PIN NO.:	100260.03		
DESIGN BY:	J. RAMSEY	DATE:	07-25
DRAWN BY:	B. ERVIN	DATE:	7-25
SUPERVISED BY:	S. STEELE/D. BERWARY	DATE:	07-25
CHECKED BY:		DATE:	

SEALED BY

PS&E FIELD REVIEW

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+64.00
CUMBERLAND COUNTY

U-95-630

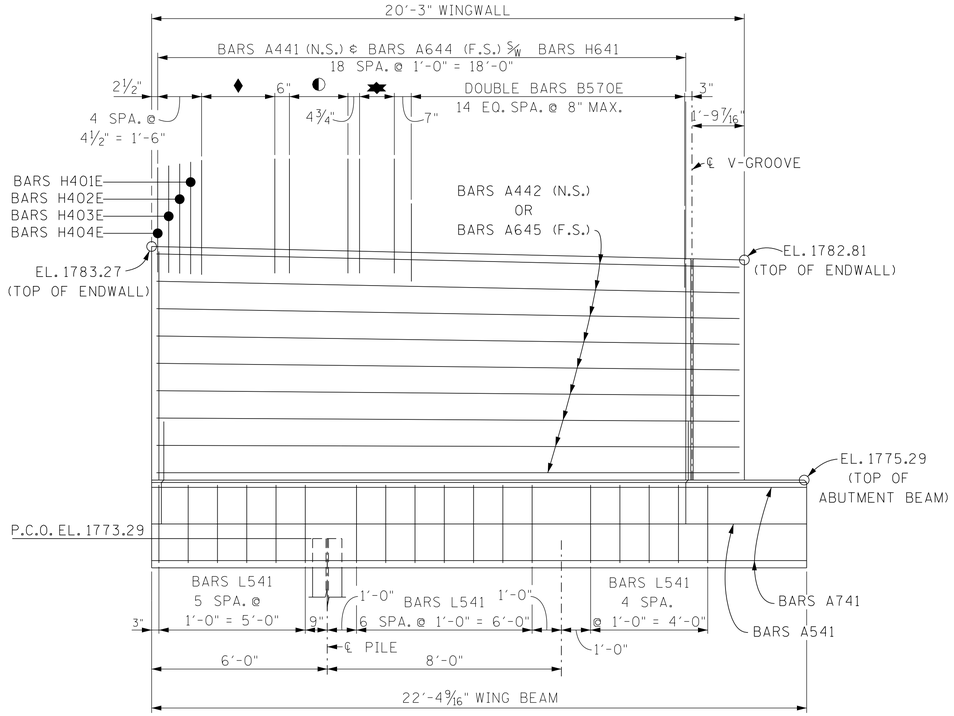
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PS&E. NO.: 18008-3230-14

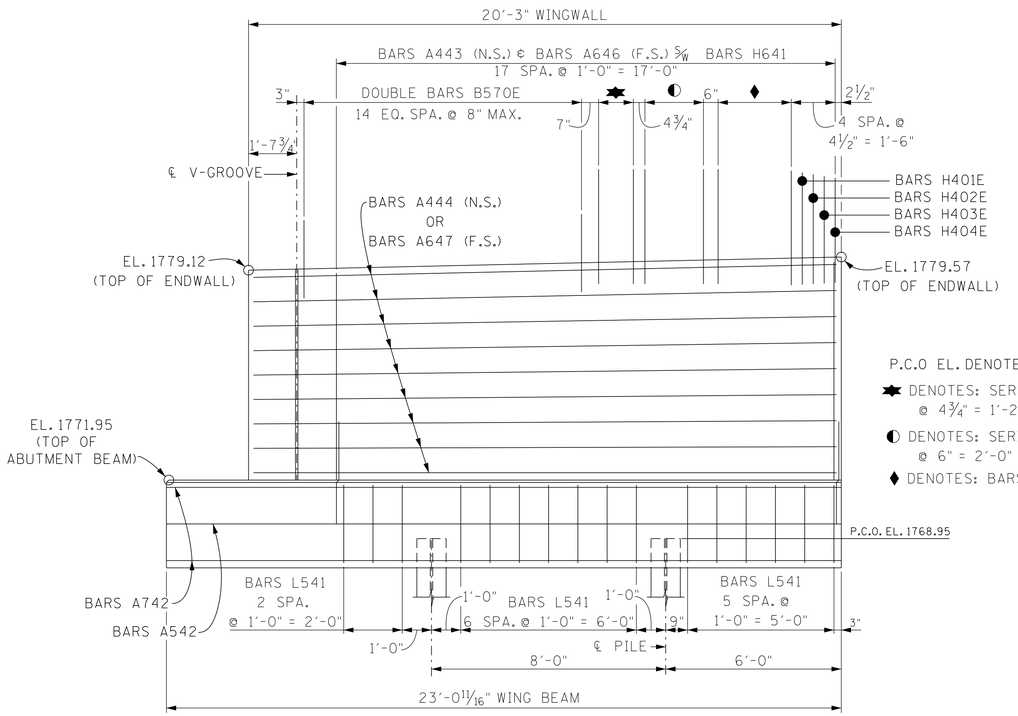
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
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ELEVATION "A"-"A"



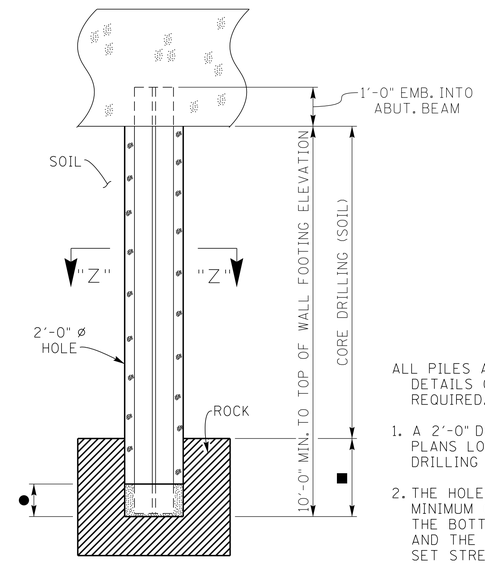
ELEVATION "B"-"B"

P.C.O EL. DENOTES: PILE CUT-OFF ELEVATION

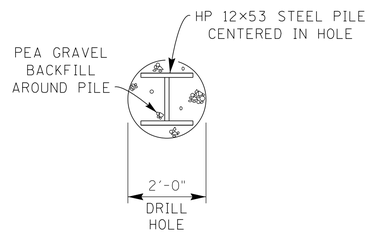
✸ DENOTES: SERIES BARS HD400E - 3 SPA. @ 4¾" = 1'-2¼"

◐ DENOTES: SERIES BARS HD401E - 4 SPA. @ 6" = 2'-0"

♦ DENOTES: BARS H400E - 5 SPA. @ 6" = 2'-6"



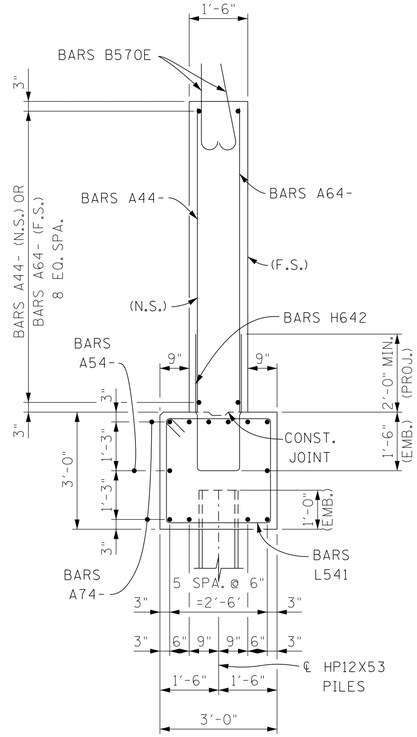
PRE-DRILLED PILE DETAILS



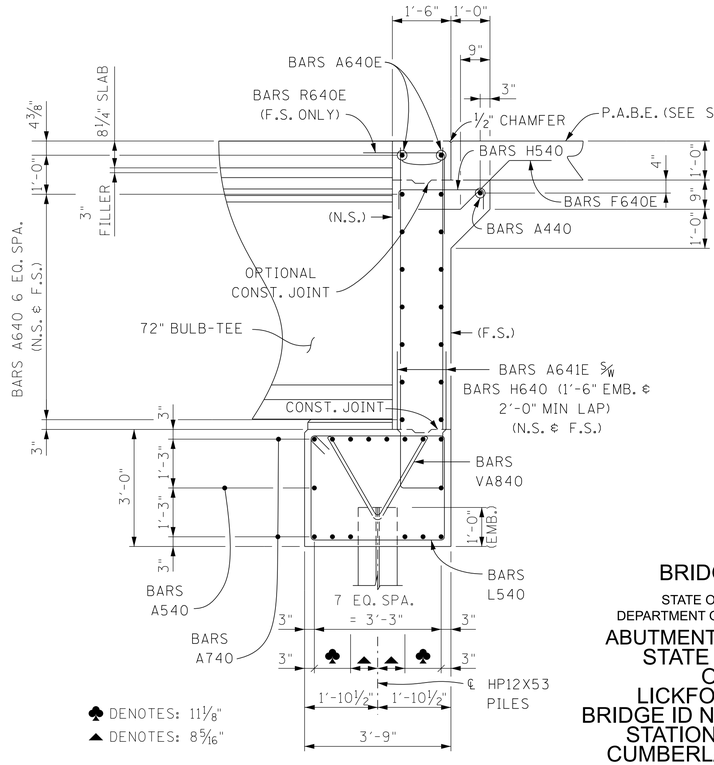
SECTION "Z-Z"

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.



SECTION "A"-"A"



♣ DENOTES: 11⅛"

▲ DENOTES: 8 5/16"

SECTION "D"-"D"

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FIELD
REVIEW

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+64.00
CUMBERLAND COUNTY

U-95-631

PIN NO.:	100260.03		
DESIGN BY:	J. RAMSEY	DATE:	07-25
DRAWN BY:	B. ERVIN	DATE:	7-25
SUPERVISED BY:	S. STEELE/D. BERWARY	DATE:	07-25
CHECKED BY:		DATE:	

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11/3/2025

PS&E. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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GENERAL NOTES

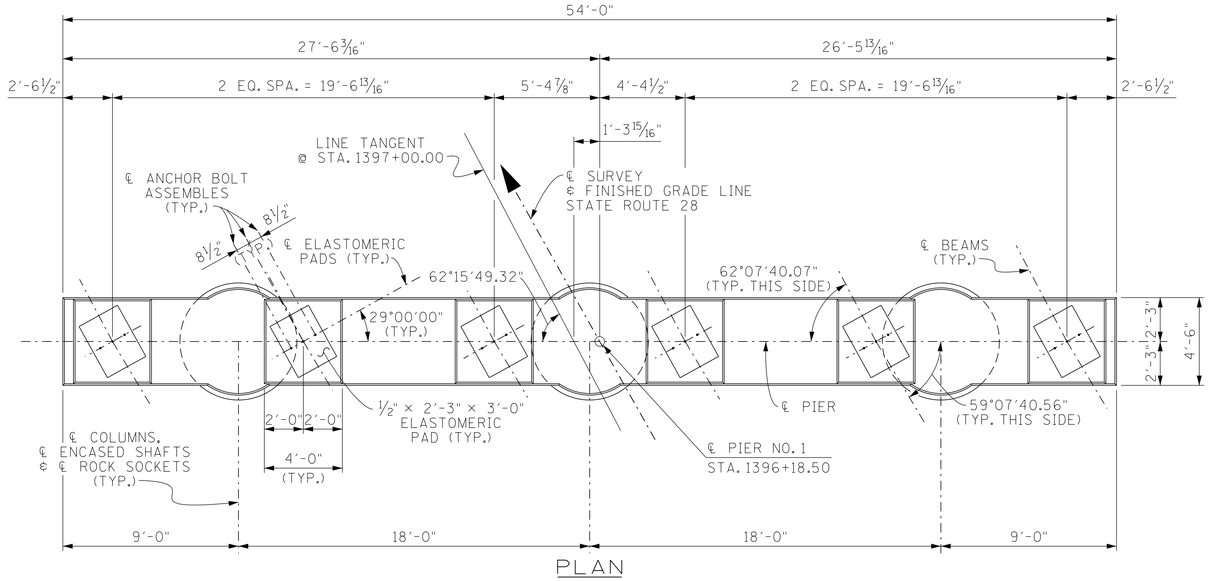
NOTE: WHEN POURING CAP BEAM, PROVISIONS SHALL BE MADE FOR SETTING ANCHOR BOLTS. SEE STANDARD DRAWING STD-6-1. BOLT PROJECTION 11".

NOTE: RISER BLOCKS SHALL BE POURED MONOLITHICALLY WITH PIER CAP.

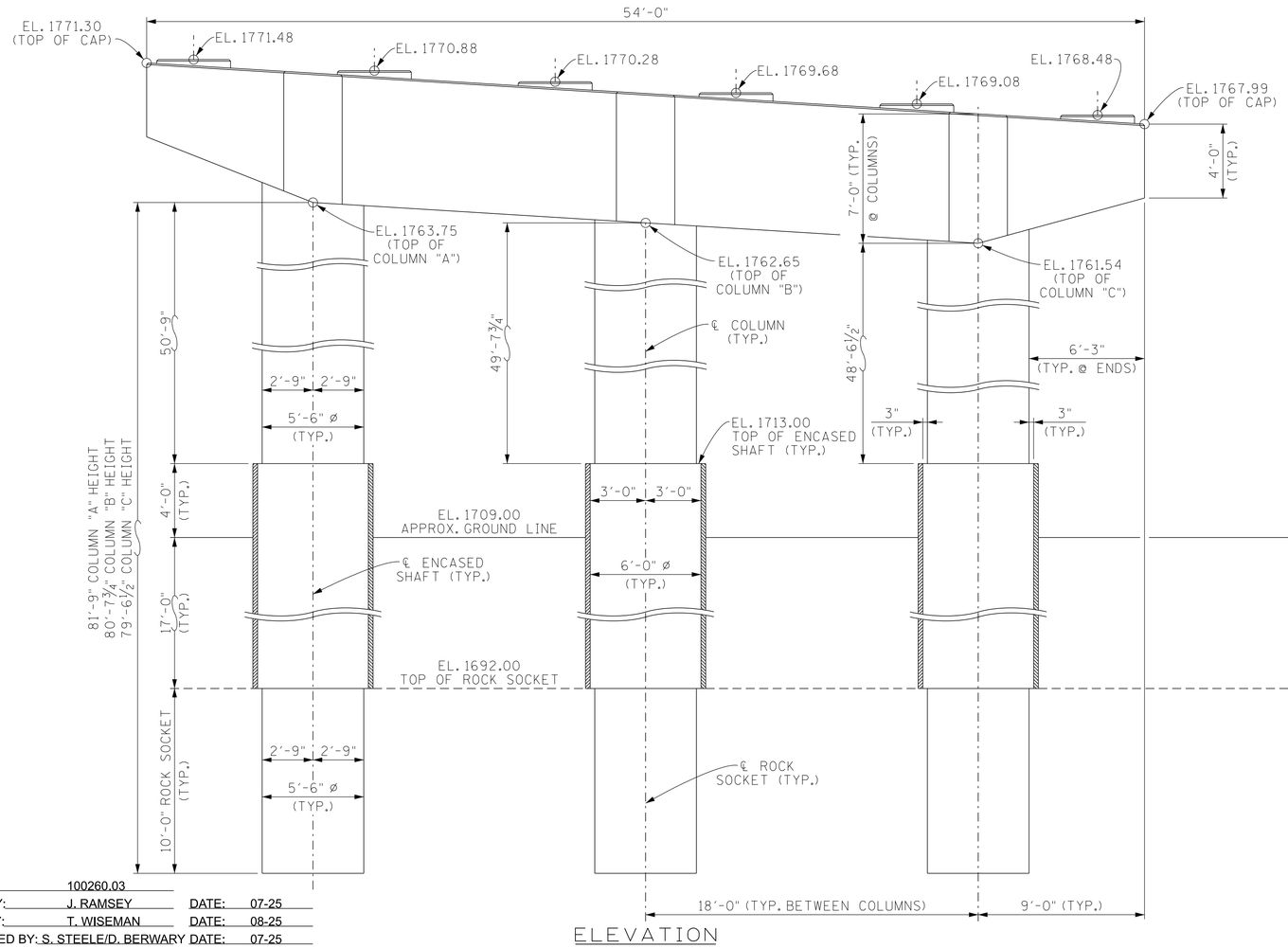
NOTE: RISER BLOCK BEARING SURFACE SHALL CONFORM TO BOTTOM OF BEAM GRADE.

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-98-633 FOR COLUMN STEEL PROJECTION INTO PIER CAP.

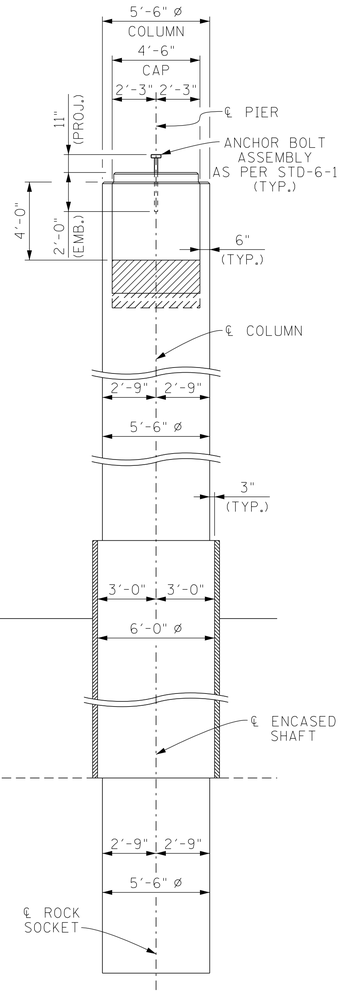


PLAN

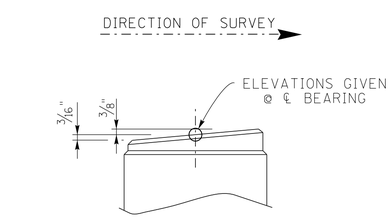


ELEVATION

(LOOKING FORWARD ON SURVEY)



END ELEVATION



RISER BLOCK SLOPE DETAIL

(TYP. @ EACH RISER BLOCK)

SEALED BY

PS&E
FIELD
REVIEW

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PIER NO. 1
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+64.00
CUMBERLAND COUNTY

U-95-632

PIN NO.: 100260.03
DESIGN BY: J. RAMSEY DATE: 07-25
DRAWN BY: T. WISEMAN DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: DATE:

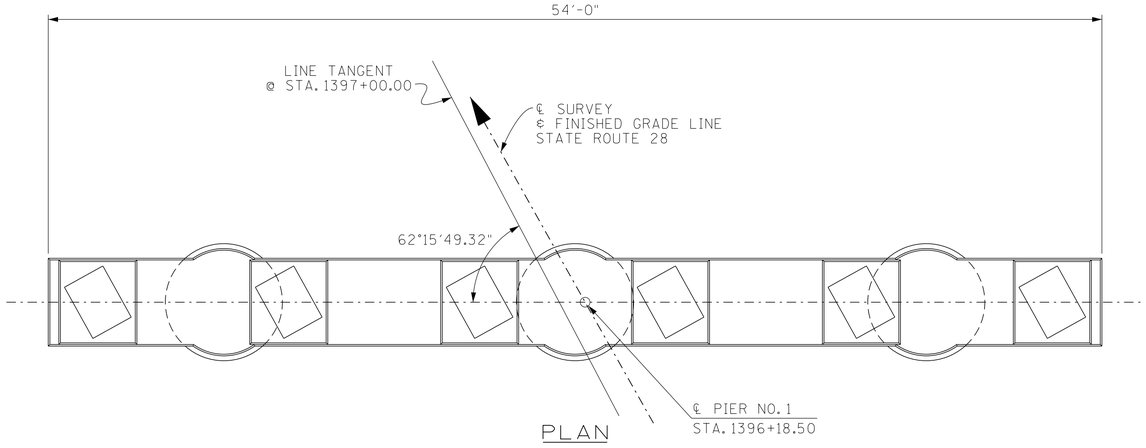
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PS&E. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

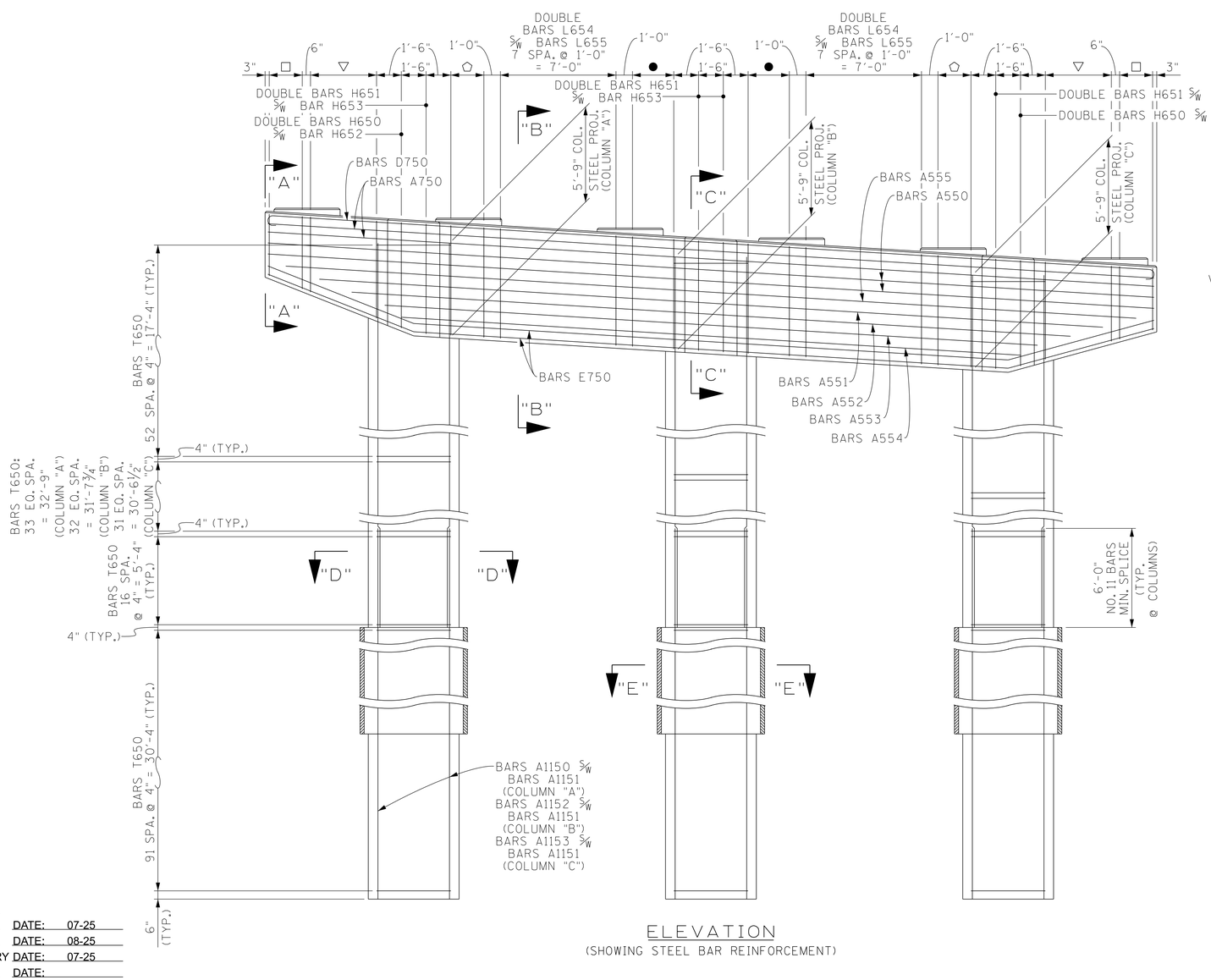
REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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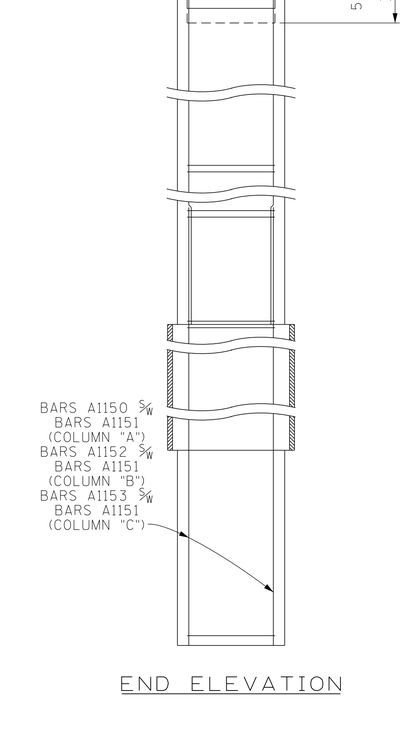


PLAN

□ 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

SEALED BY

PS&E
FIELD
REVIEW

BRIDGE NO. 2

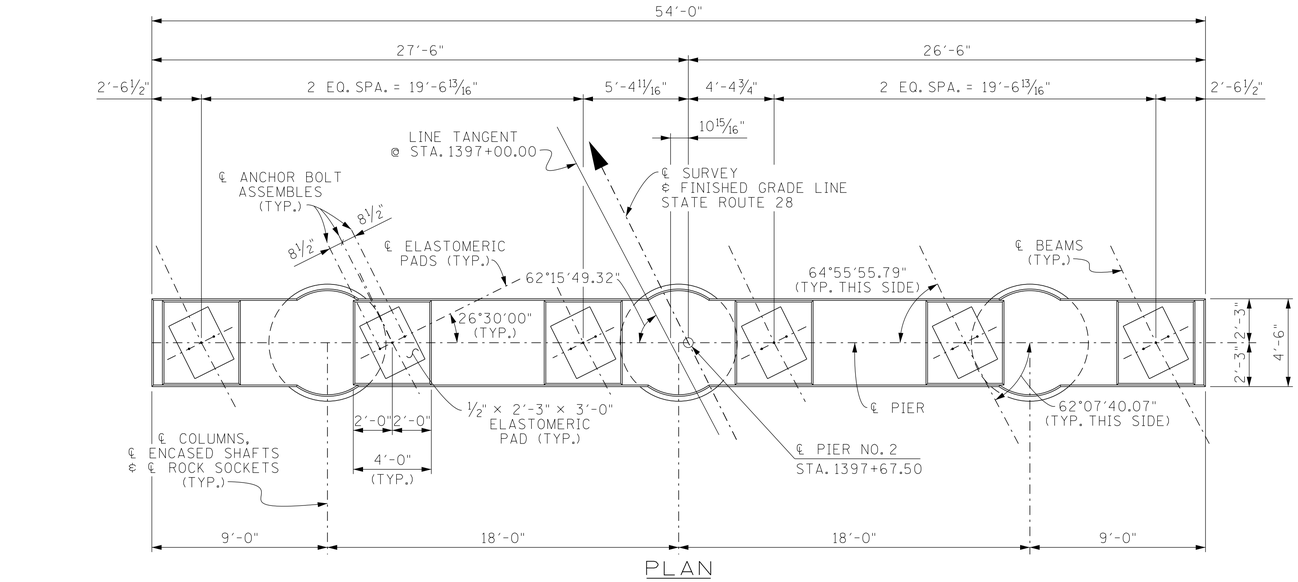
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PIER NO. 1 DETAILS
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+64.00
CUMBERLAND COUNTY

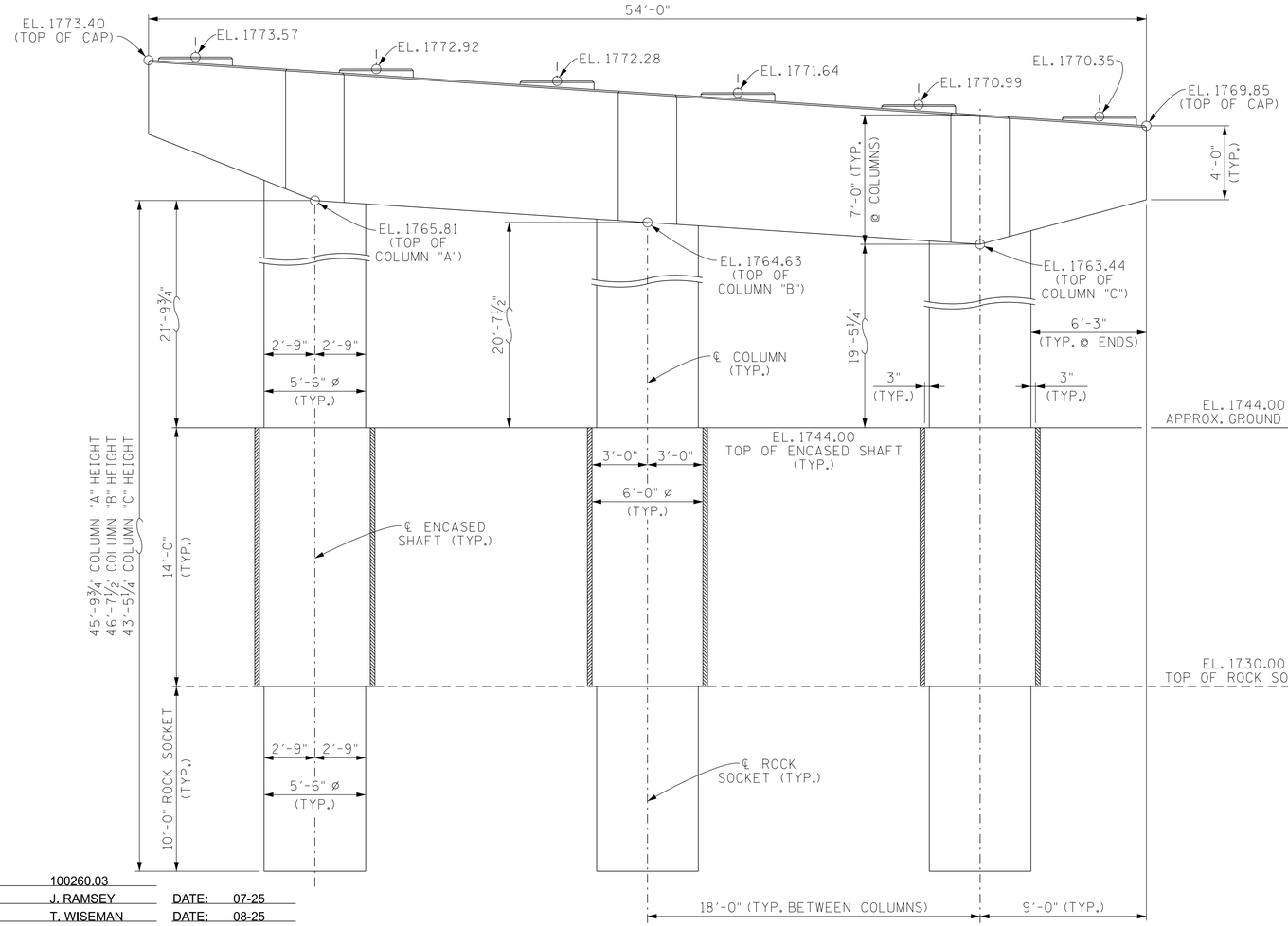
U-95-633

PIN NO.: 100260.03
DESIGN BY: J. RAMSEY DATE: 07-25
DRAWN BY: T. WISEMAN DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: DATE:

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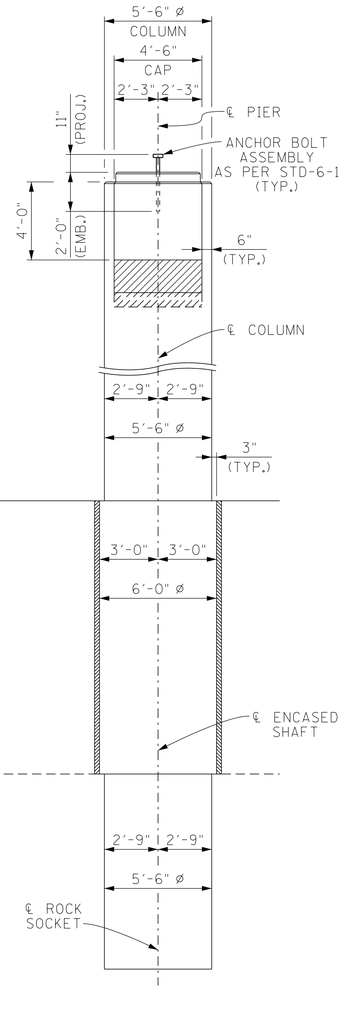


PLAN

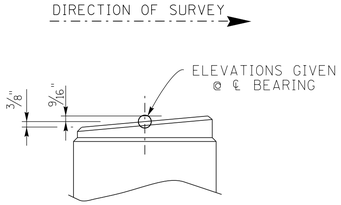


ELEVATION

(LOOKING FORWARD ON SURVEY)



END ELEVATION



RISER BLOCK SLOPE DETAIL

(TYP. @ EACH RISER BLOCK)

PS&E. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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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-98-635 FOR COLUMN STEEL PROJECTION INTO PIER CAP.

SEALED BY

PS&E
FIELD
REVIEW

PIN NO.: 100260.03
DESIGN BY: J. RAMSEY DATE: 07-25
DRAWN BY: T. WISEMAN DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: DATE:

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PIER NO. 2
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+64.00
CUMBERLAND COUNTY

U-95-634

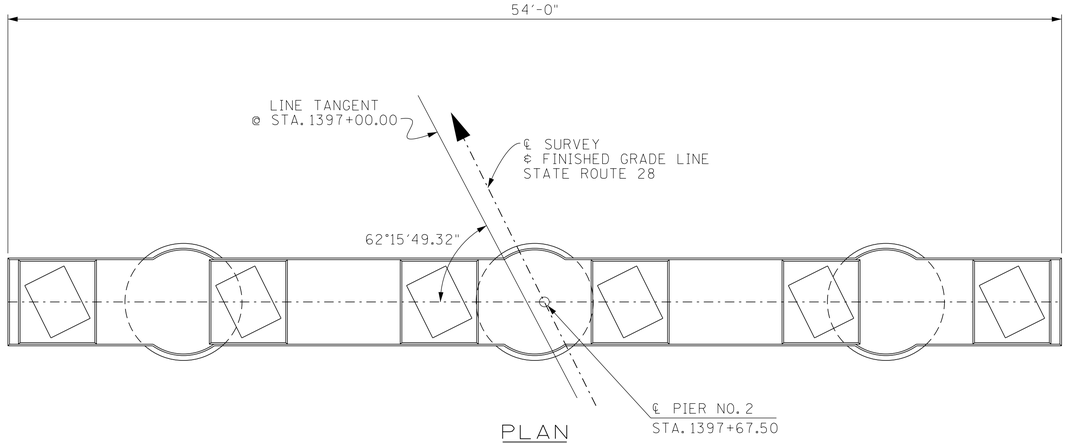
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PS&E. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

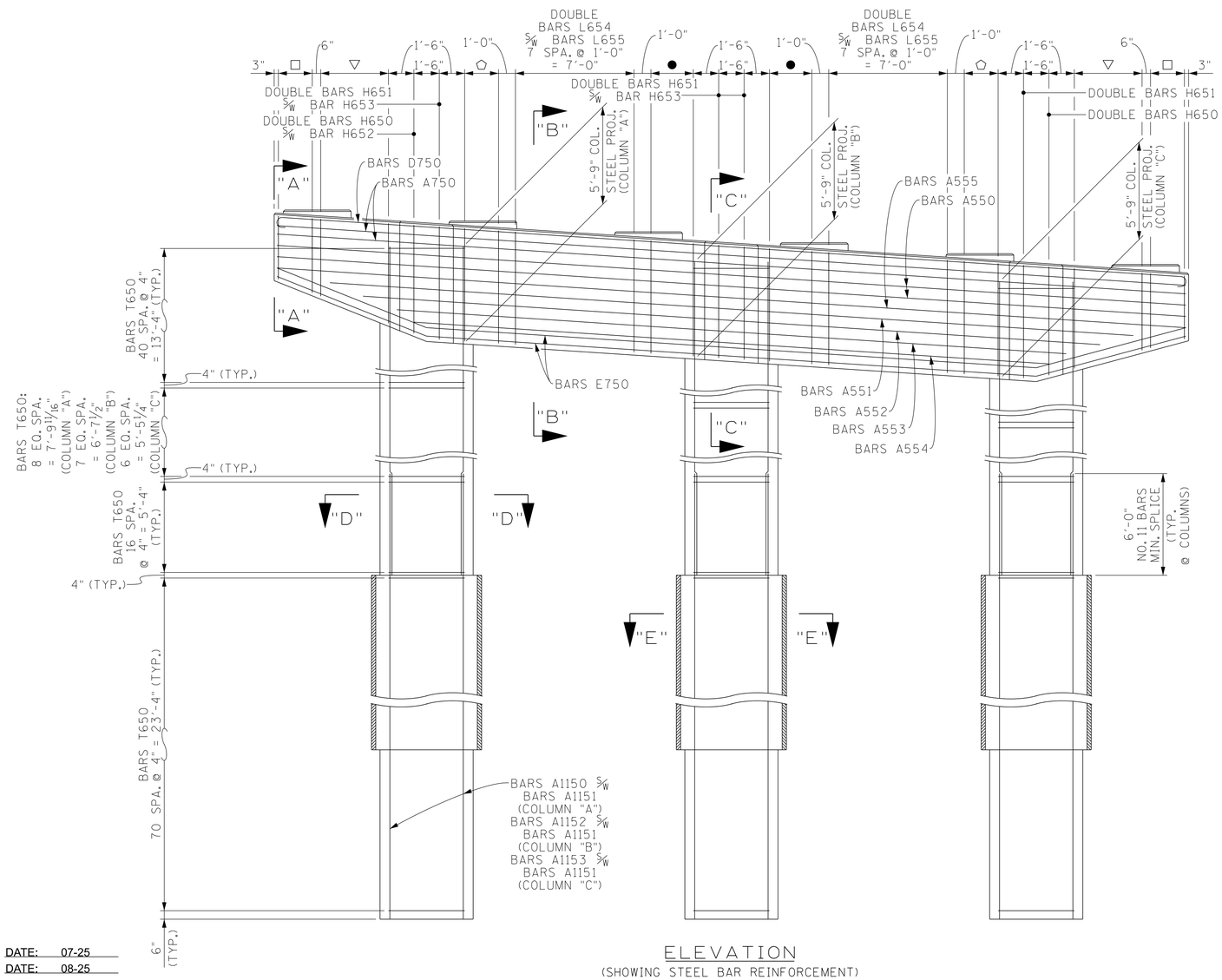
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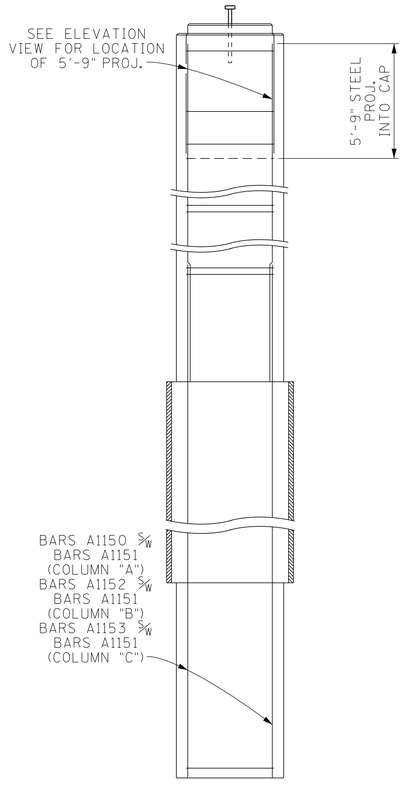


PLAN

□ DENOTES: DOUBLE SERIES BARS L650 5/W SERIES BARS L651
2 SPA. @ 1'-0" = 2'-0"
▽ DENOTES: DOUBLE SERIES BARS L652 5/W SERIES BARS L653
8 SPA. @ 6" = 4'-0"
⬠ DENOTES: DOUBLE BARS L654 5/W BARS L655
4 SPA. @ 6" = 2'-0"
● DENOTES: DOUBLE BARS L654 5/W BARS L655
5 SPA. @ 6" = 2'-6"



ELEVATION
(SHOWING STEEL BAR REINFORCEMENT)



END ELEVATION

PIN NO.: 100260.03
DESIGN BY: J. RAMSEY DATE: 07-25
DRAWN BY: T. WISEMAN DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: DATE:

SEALED BY

PS&E
FIELD
REVIEW

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+64.00
CUMBERLAND COUNTY

U-95-635

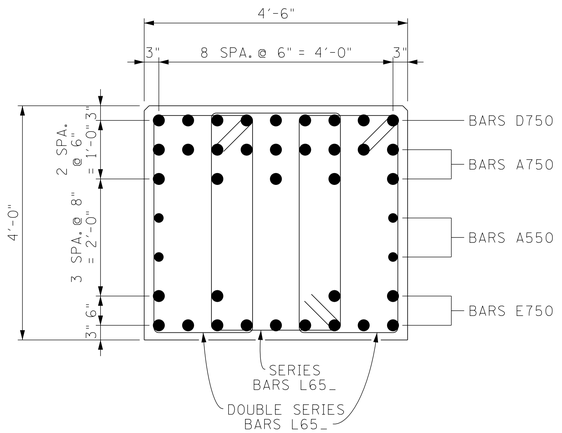
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PS&E NO.: 18008-3230-14

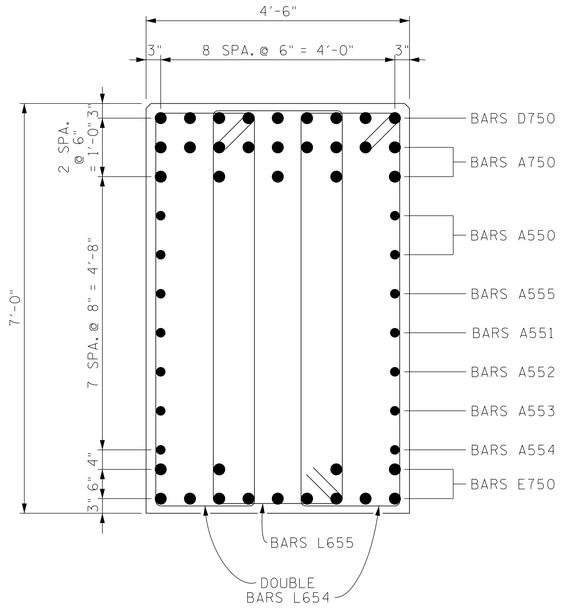
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

REVISIONS

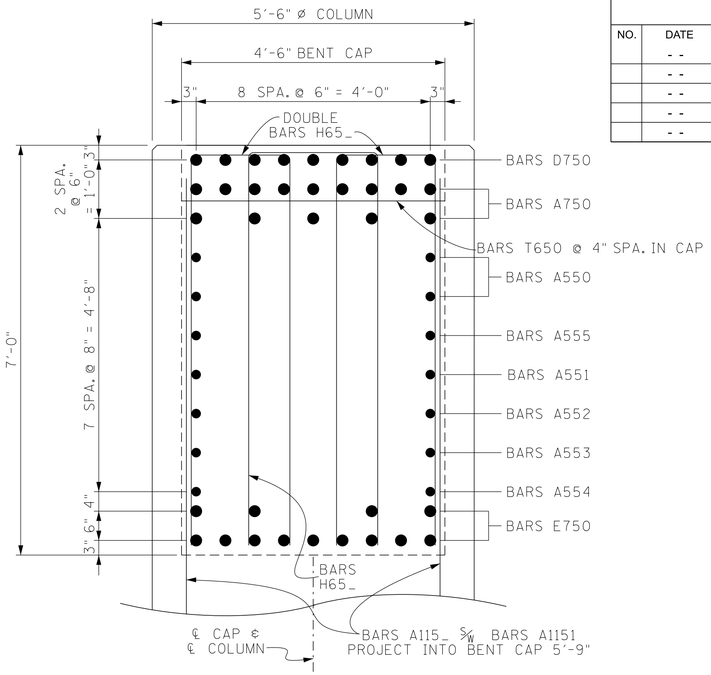
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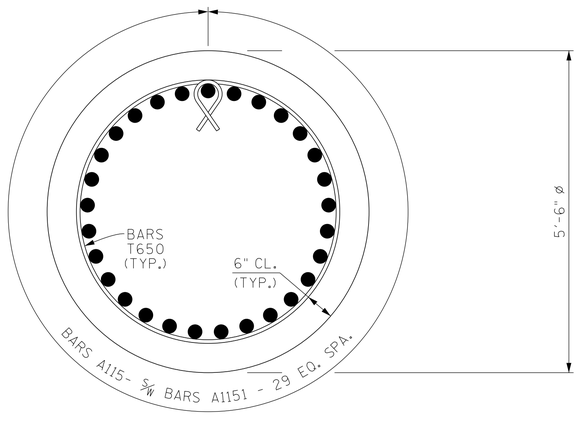
SECTION "A"-"A"
(TYP. @ END OF CAP)



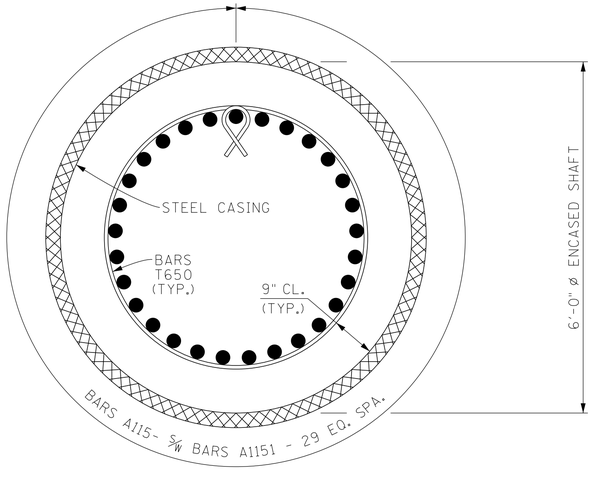
SECTION "B"-"B"
(TYP. BETWEEN COLUMNS)



SECTION "C"-"C"
(TYP. @ COLUMNS)



SECTION "D"-"D"
(TYP. @ COLUMNS & ROCK SOCKETS)



SECTION "E"-"E"
(SHOWING PERMANENT STEEL CASING)
(TYP. @ ENCASED SHAFTS)

SEALED BY

PS&E
FIELD
REVIEW

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+64.00
CUMBERLAND COUNTY

U-95-636

PIN NO.: 100260.03
DESIGN BY: J. RAMSEY DATE: 07-25
DRAWN BY: T. WISEMAN DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: DATE:

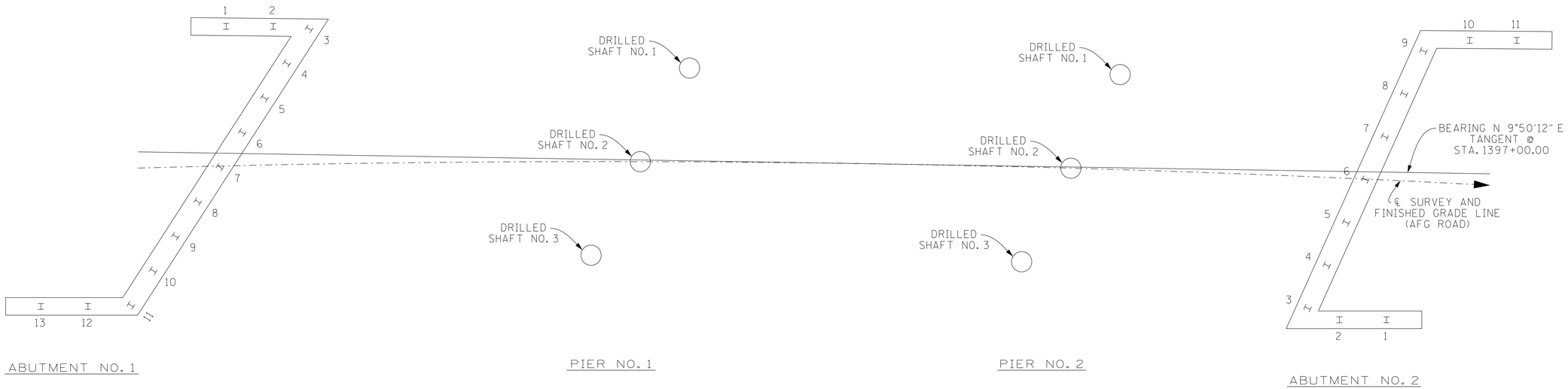
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PS&E. NO.: 18008-3230-14

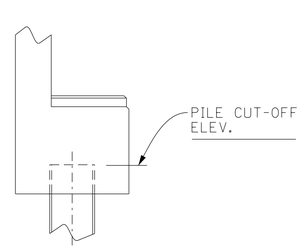
PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

REVISIONS

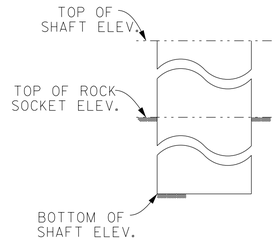
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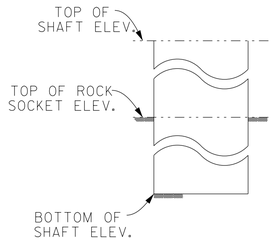
ABUTMENT NO. 1 | PIER NO. 1 | PIER NO. 2 | ABUTMENT NO. 2



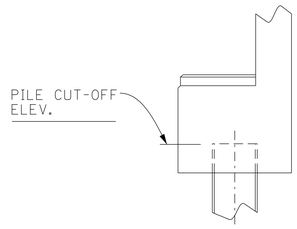
ABUTMENT NO. 1



PIER NO. 1



PIER NO. 2



ABUTMENT 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.	

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.	

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.

PS&E
FIELD
REVIEW

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

FINAL FOUNDATION DATA
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+64.00
CUMBERLAND COUNTY

U-95-637

PIN NO.: 100260.03
DESIGN BY: J. RAMSEY DATE: 07-25
DRAWN BY: J. STEVENS DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: DATE:

11/3/2025 1:44:49 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					1283'-3"
				VARIES FROM 4'-5" TO 49'-0 5/8" IN INCS OF 11 7/8" (48 BARS)				
SERIES								
A504E	SLAB	5	2					1184'-9"
				VARIES FROM 4'-10 1/4" TO 49'-0" IN INCS OF 1'-0 3/4" (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'-2"

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'-9 5/8"	3'-0"	3'-1"	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'-0"
B570E	WINGWALLS/PARAPET	5	60	2'-8"				3'-3"
B640E	ENDWALL	6	2	5'-0"				5'-8"
F640E	P.A.B.E.	6	53	1'-1"	1'-3"	1'-1"	1'-3"	4'-0"
H400E	WINGWALLS/PARAPET	4	6	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	2'-0"	2'-0"			4'-0"

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'-0"
A643	BEAM STOP	6	36					6'-3"
A644	WINGWALL	6	19					6'-8"
A645	WINGWALL	6	8					20'-9"
A646	WINGWALL	6	18					7'-2"
A647	WINGWALL	6	8					19'-0"
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'-0"			9'-2"
H642	WINGWALL/WING BEAM	6	37	1'-2"	3'-7"			8'-4"
HA640	BEAM STOP	6	42	3'-2"	3'-5"	1'-4"		7'-11"
L540	ABUTMENT BEAM	5	51	3'-5"	2'-8"			13'-1"
L541	WING BEAM	5	34	2'-8"	2'-8"			11'-7"
VA840	PILES	8	18	2'-6"	2'-6"			5'-0"

ABUTMENT NO. 2 (EPOXY)

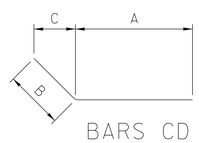
BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A640E	ENDWALL	6	2					53'-8"
A641E	ENDWALL	6	110					6'-0"
B570E	WINGWALLS/PARAPET	5	60	2'-8"				3'-3"
B640E	ENDWALL	6	2	5'-0"				5'-8"
F640E	P.A.B.E.	6	50	1'-1"	1'-3"	1'-1"	1'-3"	4'-0"
H400E	WINGWALLS/PARAPET	4	6	0'-10 1/2"	3'-11"			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	51	2'-0"	2'-0"			4'-0"

ABUTMENT NO. 2 (REGULAR)

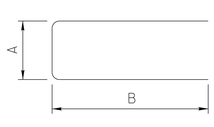
BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A440	ROADWAY BRACKET	4	1					51'-1"
A441	WINGWALL	4	19					7'-4"
A442	WINGWALL	4	9					20'-0"
A443	WINGWALL	4	18					7'-0"
A444	WINGWALL	4	9					19'-8"
A540	ABUTMENT BEAM	5	2					55'-4"
A541	WING BEAM	5	2					22'-2"
A542	WING BEAM	5	2					21'-5"
A640	ENDWALL	6	14					53'-8"
A642	ENDWALL/ABUTMENT BEAM	6	8					3'-10"
A643	BEAM STOP	6	36					6'-6"
A644	WINGWALL	6	19					7'-10"
A645	WINGWALL	6	9					20'-6"
A646	WINGWALL	6	18					7'-5"
A647	WINGWALL	6	9					19'-3"
A740	ABUTMENT BEAM	7	14					55'-4"
A741	WING BEAM	7	10					22'-2"
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"	3'-10"			8'-10"
H641	WINGWALL/WING BEAM	6	37	1'-2"	4'-0"			9'-2"
HA640	BEAM STOP	6	42	3'-2"	3'-0"	1'-4"		7'-6"
L540	ABUTMENT BEAM	5	49	3'-5"	2'-8"			13'-1"
L541	WING BEAM	5	34	2'-8"	2'-8"			11'-7"
VA850	PILES	8	14	2'-6"	2'-6"			5'-0"



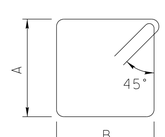
BARS A



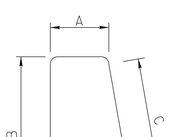
BARS CD



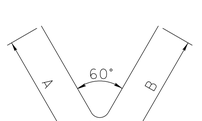
BARS H



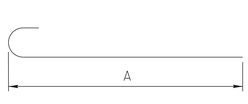
BARS L



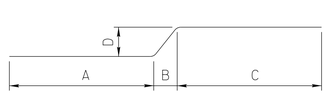
BARS HD



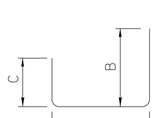
BARS VA



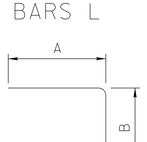
BARS B



BARS F



BARS HA



BARS R

PS&E. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

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

PS&E
FIELD
REVIEW

PIN NO.: 100260.03
DESIGN BY: J. RAMSEY DATE: 07-25
DRAWN BY: J. STEVENS DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: DATE:

BRIDGE NO. 2
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BILL OF STEEL
STATE ROUTE 28
OVER
LICKFORK CREEK
BRIDGE ID NO. 18SR0280015
STATION 1396+64.00
CUMBERLAND COUNTY

U-95-638

11/3/2025 2:12:30 PM

BILL OF STEEL

PIER NO. 1

BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A550	CAP	5	4					53'-9"
A551	CAP	5	2					47'-7"
A552	CAP	5	2					43-7"
A553	CAP	5	2					39'-7"
A554	CAP	5	2					37'-7"
A555	CAP	5	2					51'-7"
A750	CAP	7	14					53'-9"
A1150	CAP/COLUMN	11	29					56'-6"
A1152	CAP/COLUMN	11	29					55'-5"
A1153	CAP/COLUMN	11	29					54'-4"
D750	CAP	7	9	53'-9"				55'-5"
E750	CAP	7	13	*	*	*	*	54'-7"
H650	CAP	6	4	1'-7"	6'-5"			14'-5"
H651	CAP	6	8	1'-7"	6'-8"			14'-11"
H652	CAP	6	2	2'-1"	6'-5"			14'-11"
H653	CAP	6	4	2'-1"	6'-8"			14'-5"
H652								
L650	CAP	6	4	1'-7"	*			38'-0"
				* LENGTH VARIES FROM 3'-8 7/8" TO 4'-4 7/8" IN INC. OF 4" (3 BARS)				
L650								
L651	CAP	6	2	2'-1"	*			41'-0"
				* LENGTH VARIES FROM 3'-8 7/8" TO 4'-4 7/8" IN INC. OF 4" (3 BARS)				
L651								
L652	CAP	6	4	1'-7"	*			134'-10"
				* LENGTH VARIES FROM 4'-6 7/8" TO 5'-107/8" IN INC. OF 2" (9 BARS)				
L652								
L653	CAP	6	2	2'-1"	*			143'-10"
				* LENGTH VARIES FROM 4'-6 7/8" TO 5'-107/8" IN INC. OF 2" (9 BARS)				
L654	CAP	6	76	1'-7"	6'-8"			17'-10"
L655	CAP	6	38	2'-1"	6'-8"			18'-10"
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

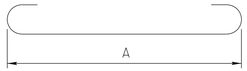
BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A550	CAP	5	4					53'-9"
A551	CAP	5	2					47'-7"
A552	CAP	5	2					43-7"
A553	CAP	5	2					39'-7"
A554	CAP	5	2					37'-7"
A555	CAP	5	2					51'-7"
A750	CAP	7	14					53'-9"
A1150	CAP/COLUMN	11	29					27'-7"
A1152	CAP/COLUMN	11	29					26'-5"
A1153	CAP/COLUMN	11	29					25'-2"
D750	CAP	7	9	53'-9"				55'-5"
E750	CAP	7	13	*	*	*	*	54'-7"
H650	CAP	6	4	1'-7'	6'-5"			14'-5"
H651	CAP	6	8	1'-7"	6'-8"			14'-11"
H652	CAP	6	2	2'-1"	6'-5"			14'-11"
H653	CAP	6	4	2'-1"	6'-8"			14'-5"
H652								
L650	CAP	6	4	1'-7"	*			38'-0"
				* LENGTH VARIES FROM 3'-8 7/8" TO 4'-4 7/8" IN INC. OF 4" (3 BARS)				
L650								
L651	CAP	6	2	2'-1"	*			41'-0"
				* LENGTH VARIES FROM 3'-8 7/8" TO 4'-4 7/8" IN INC. OF 4" (3 BARS)				
L651								
L652	CAP	6	4	1'-7"	*			134'-10"
				* LENGTH VARIES FROM 4'-6 7/8" TO 5'-107/8" IN INC. OF 2" (9 BARS)				
L652								
L653	CAP	6	2	2'-1"	*			143'-10"
				* LENGTH VARIES FROM 4'-6 7/8" TO 5'-107/8" IN INC. OF 2" (9 BARS)				
L654	CAP	6	76	1'-7"	6'-8"			17'-10"
L655	CAP	6	38	2'-1"	6'-8"			18'-10"
T650	CAP/COLUMNS	6	198	4'-6"				15'-6"

PIER NO. 2 - DRILLED SHAFT

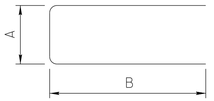
BARS	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH (FEET)
A1151	SHAFTS	11	87					37'-0"
T650	SHAFTS	6	213	4'-6"				15'-6"



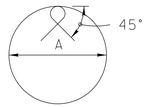
BARS A



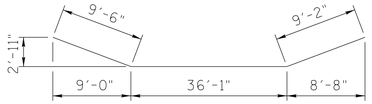
BARS D



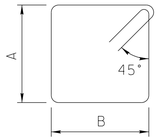
BARS H



BARS T



*BARS E



BARS L

PS&E. NO.: 18008-3230-14

PROJECT NO.	YEAR	SHEET NO.
STP/NH/HPP-28(32)	2025	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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	- -		
	- -		
	- -		
	- -		

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+64.00
CUMBERLAND COUNTY

U-95-639

PIN NO.: 100260.03
DESIGN BY: J. RAMSEY DATE: 07-25
DRAWN BY: J. STEVENS DATE: 08-25
SUPERVISED BY: S. STEELE/D. BERWARY DATE: 07-25
CHECKED BY: DATE:

10/28/2025 1:43:20 PM

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G1

GEOTECHNICAL INDEX

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SIGNATURE SHEET	GEOTECH - SIGN1
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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
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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
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GEOTECHNICAL BORING LAYOUT STATION 1406+00.00 TO STATION 1419+00.00	G23
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GEOTECHNICAL BORING LAYOUT STATION 1419+00.00 TO STATION 1431+50.00	G25
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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
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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

GEOTECHNICAL
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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	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

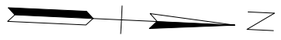
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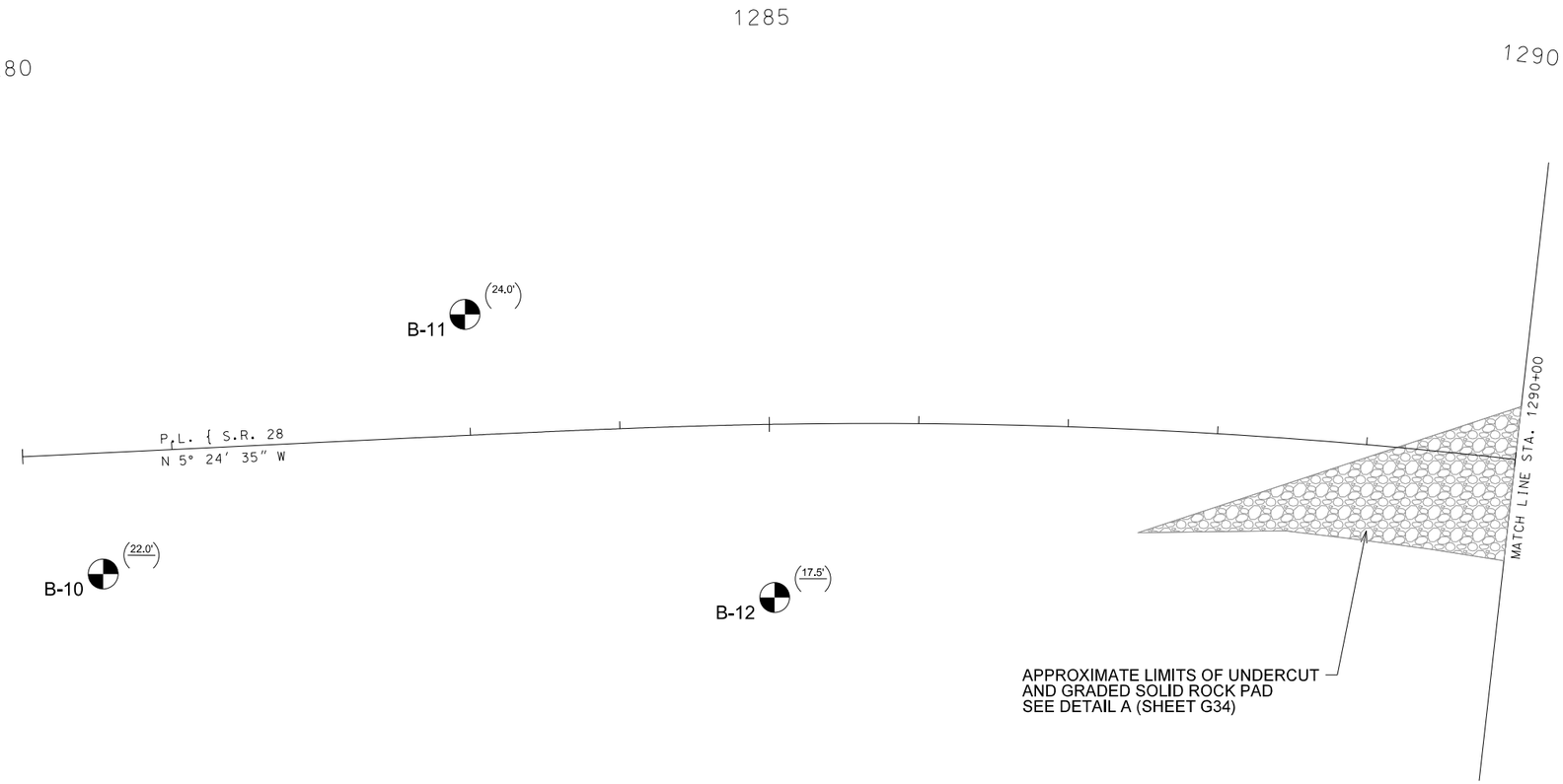
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

GEOTECHNICAL
NOTES &
TAB. QTYS.

CELL BDRSG
$$$$$SYTIME$$$$$$$
$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	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)

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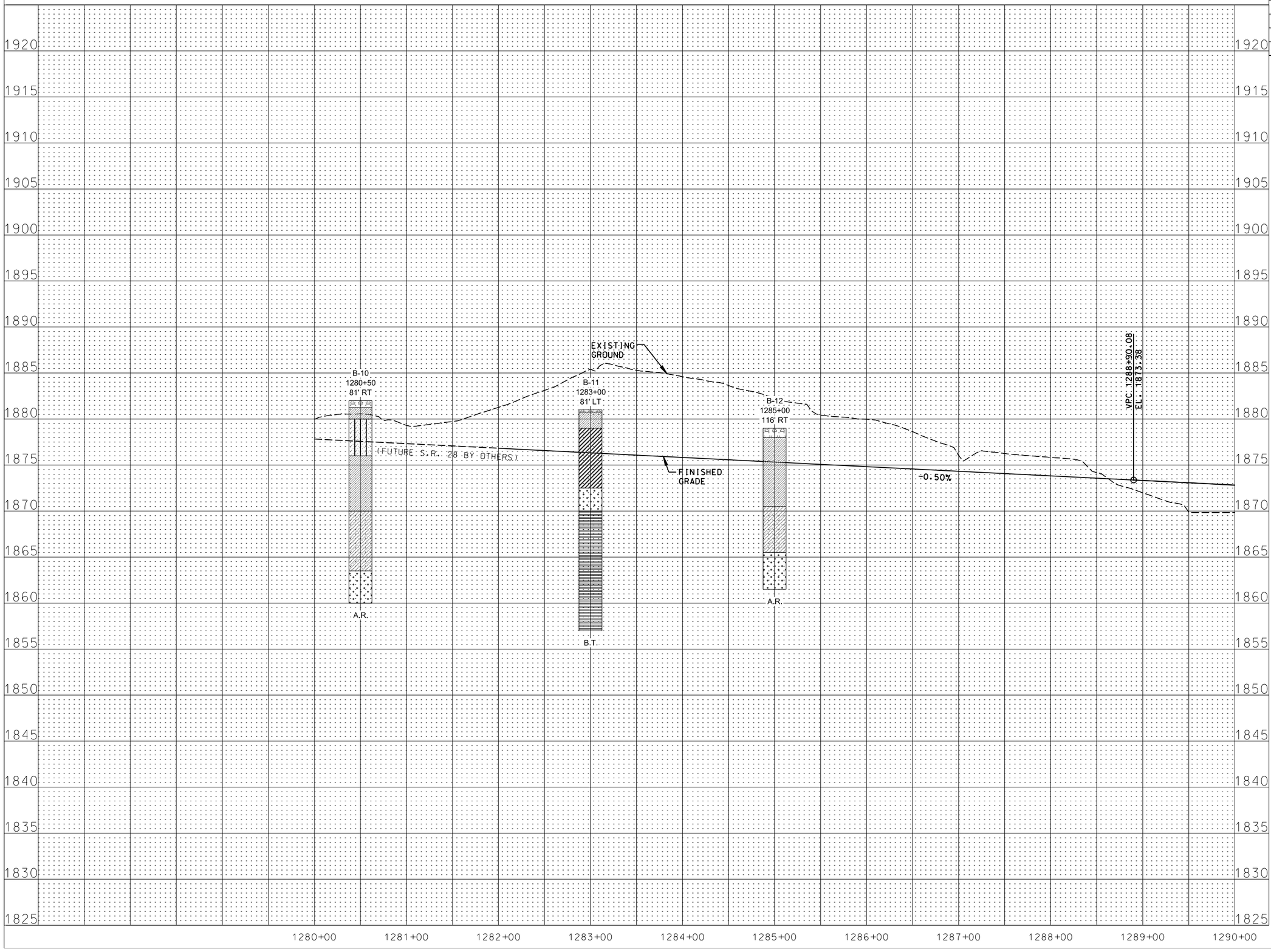
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1280+00 TO STA. 1290+00
SCALE: 1"=50'

$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	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

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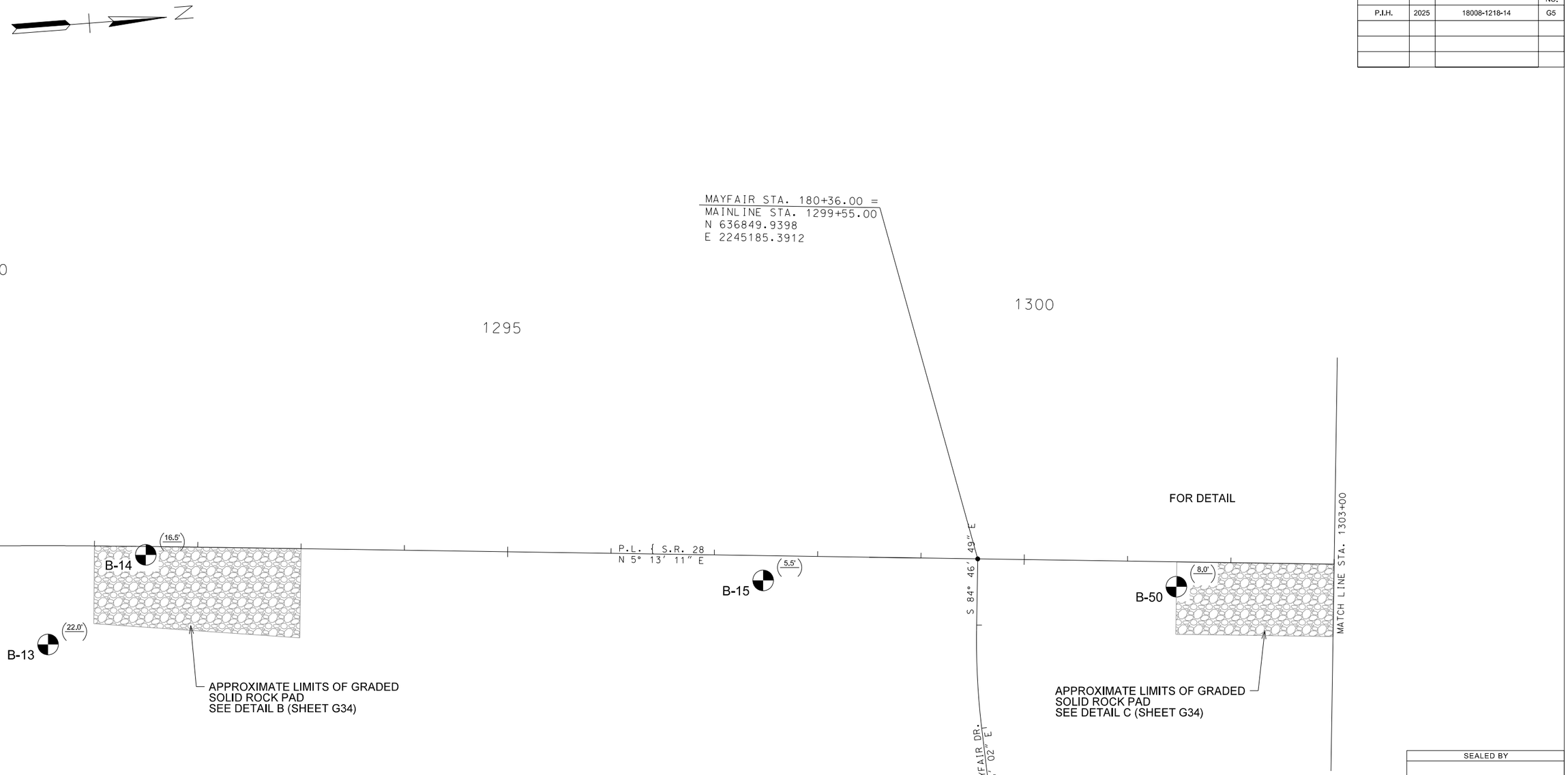
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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.	2025	18008-1218-14	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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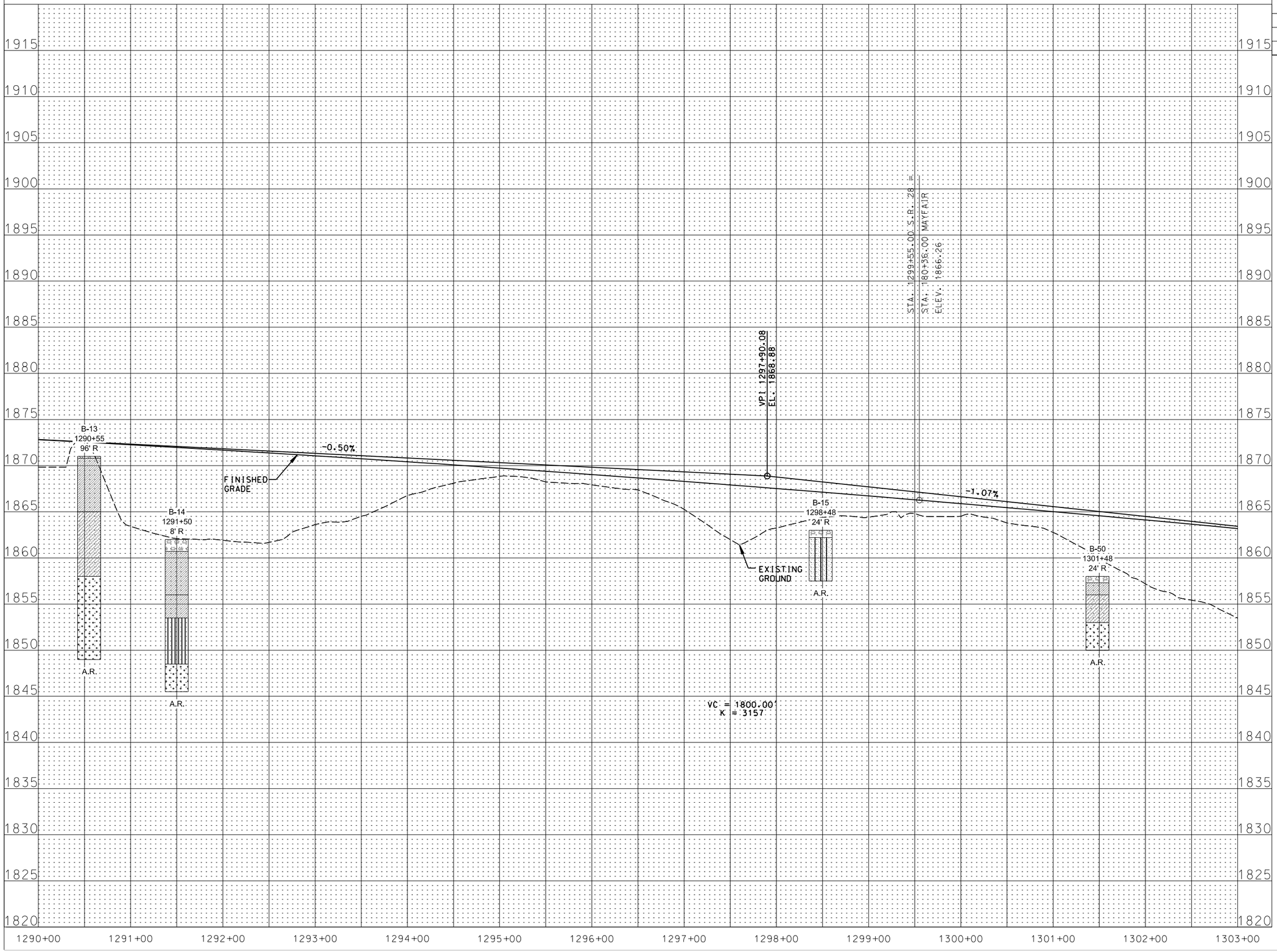
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1290+00 TO STA. 1303+00
SCALE: 1"=50'

$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	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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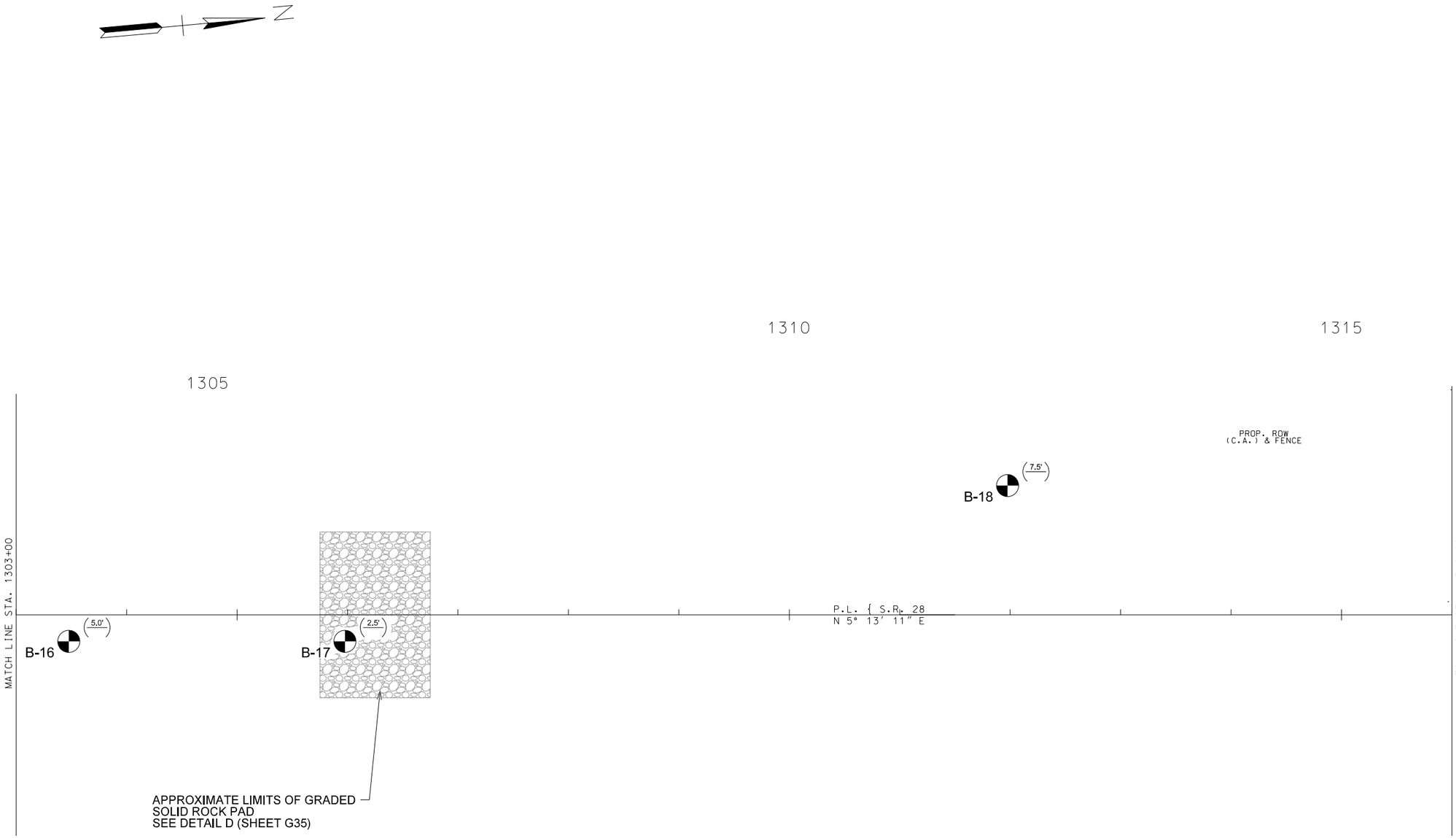
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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.	2025	18008-1218-14	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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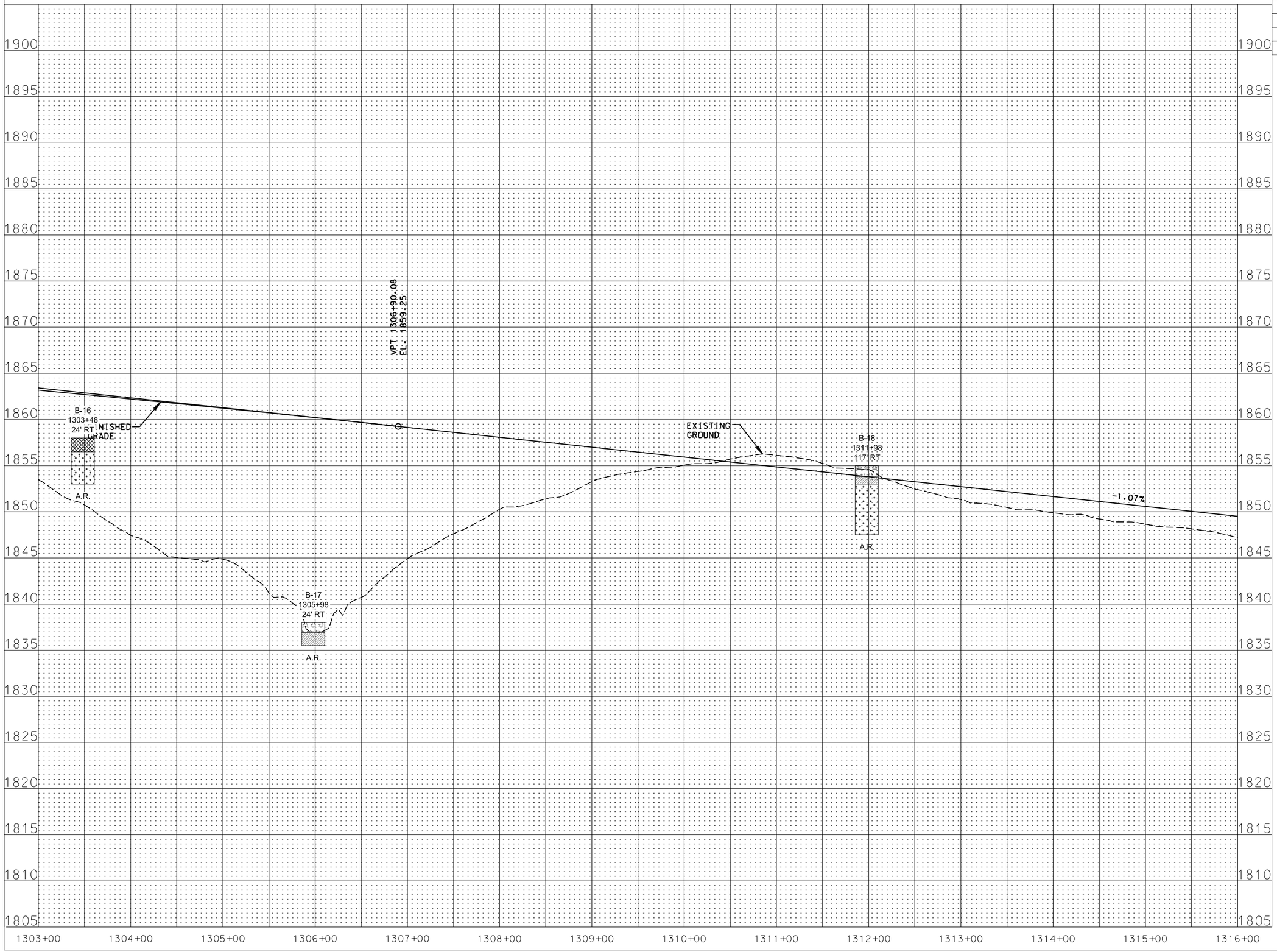
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1303+00 TO STA. 1316+00
SCALE: 1"=50'

$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	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)
- 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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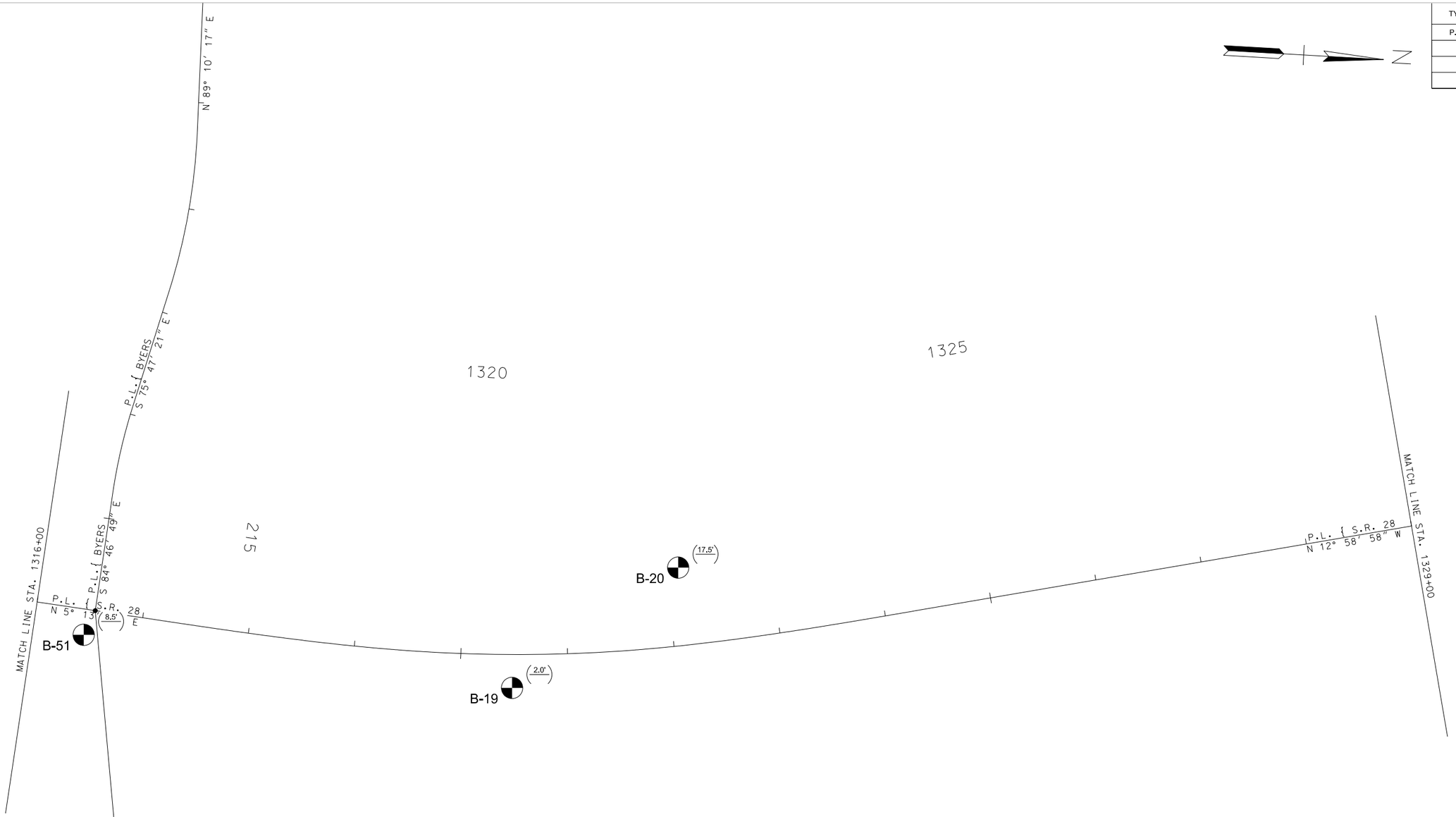
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

STA. 1303+00 TO STA. 1316+00
SCALE: 1"=50' HORIZ. 1"=5' VERT.

$$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G9



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

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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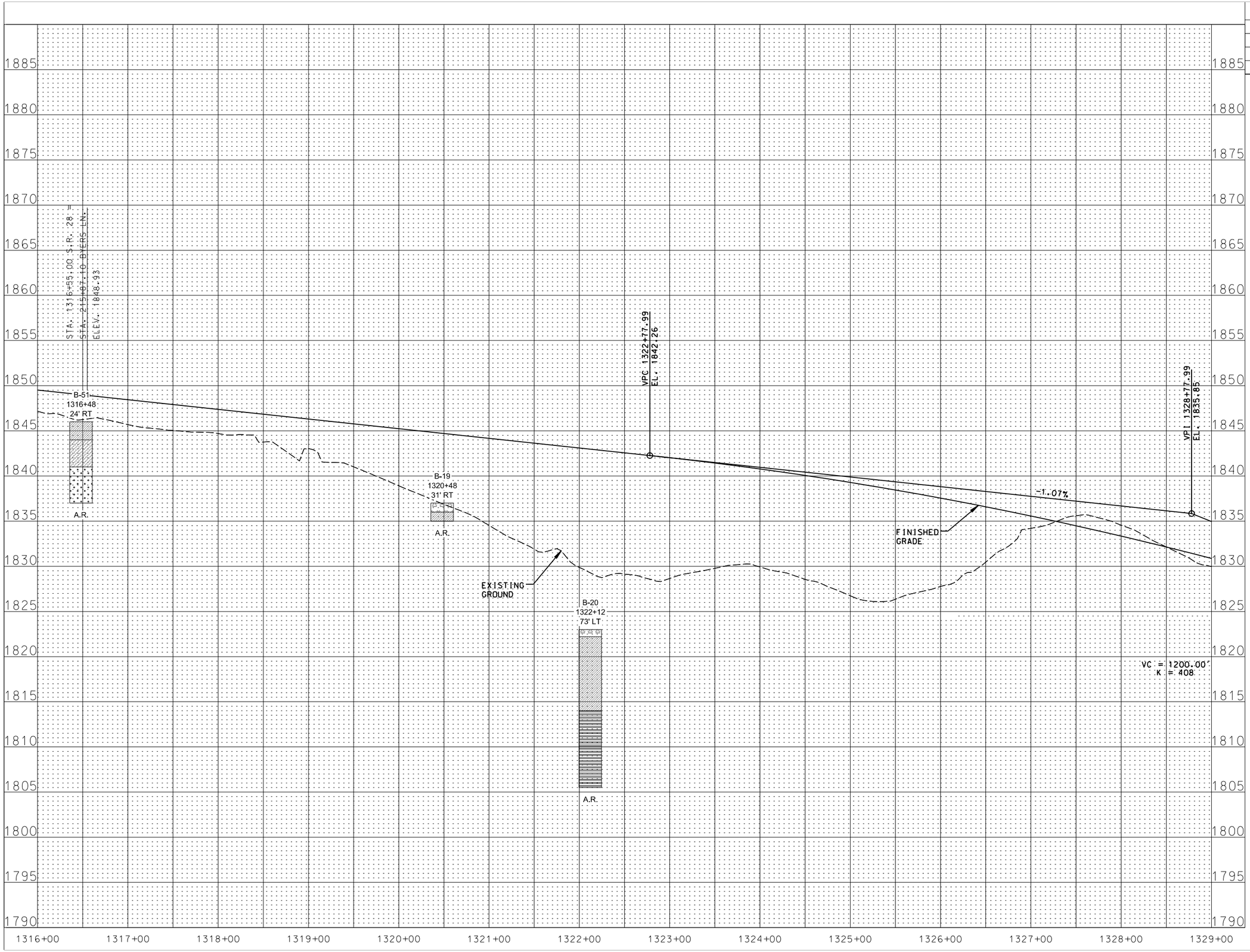
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1316+00 TO STA. 1329+00
SCALE: 1"=50'

$$$$$$SYTIME$$$$$$$$
$$$$$$DGNSPEC$$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	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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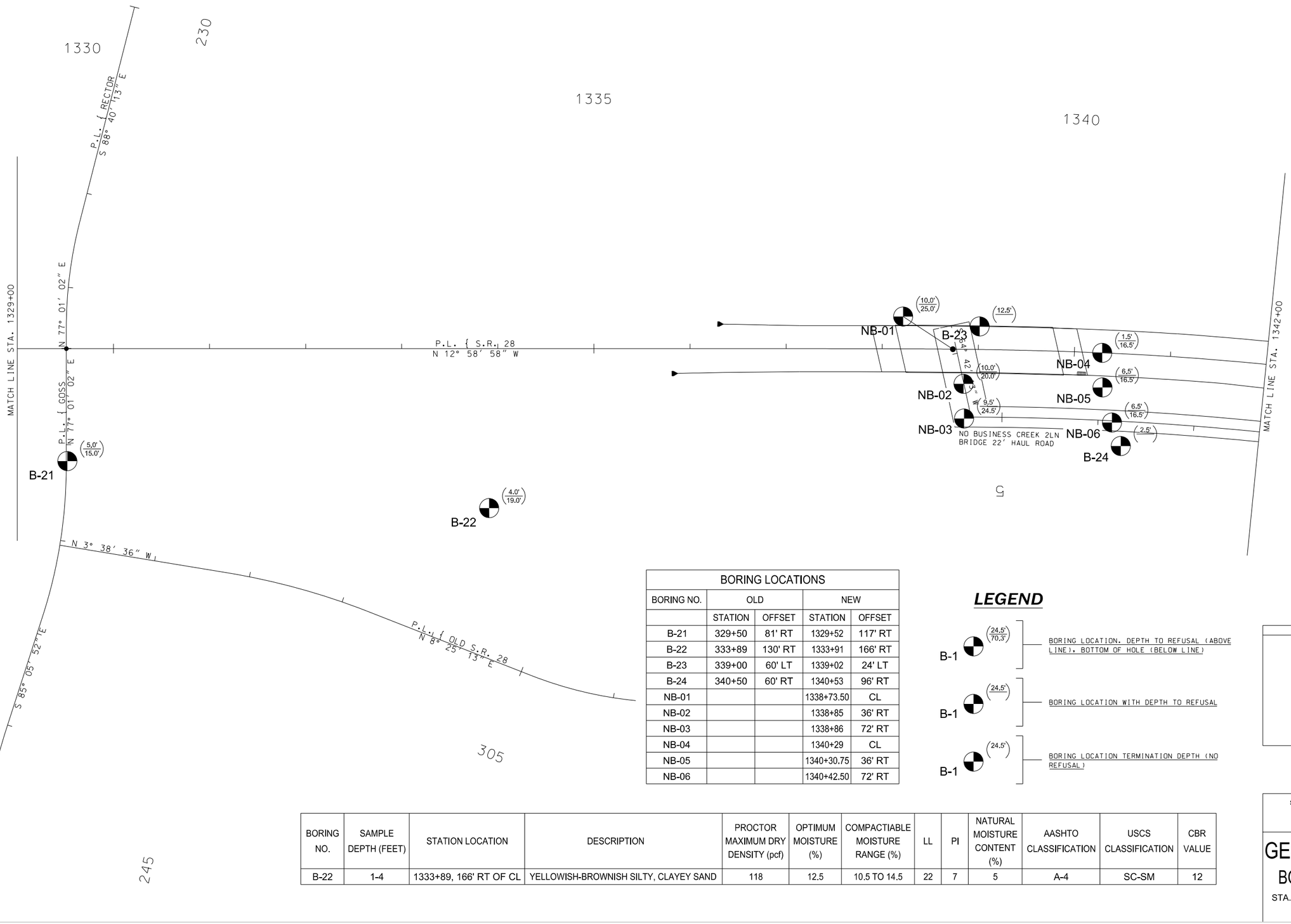
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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.	2025	18008-1218-14	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)

SEALED BY

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

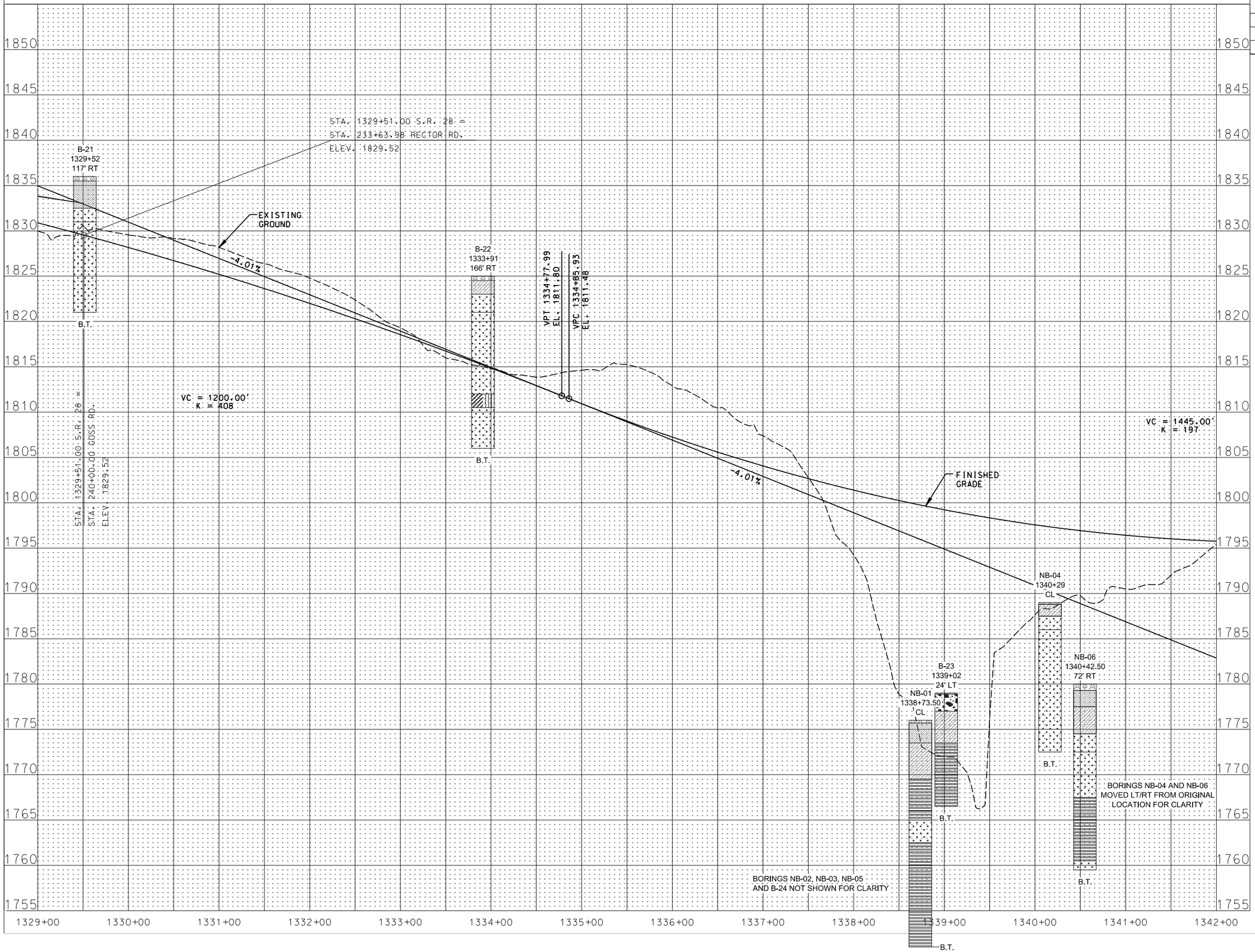
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1329+00 TO STA. 1342+00
SCALE: 1"=50'

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G12



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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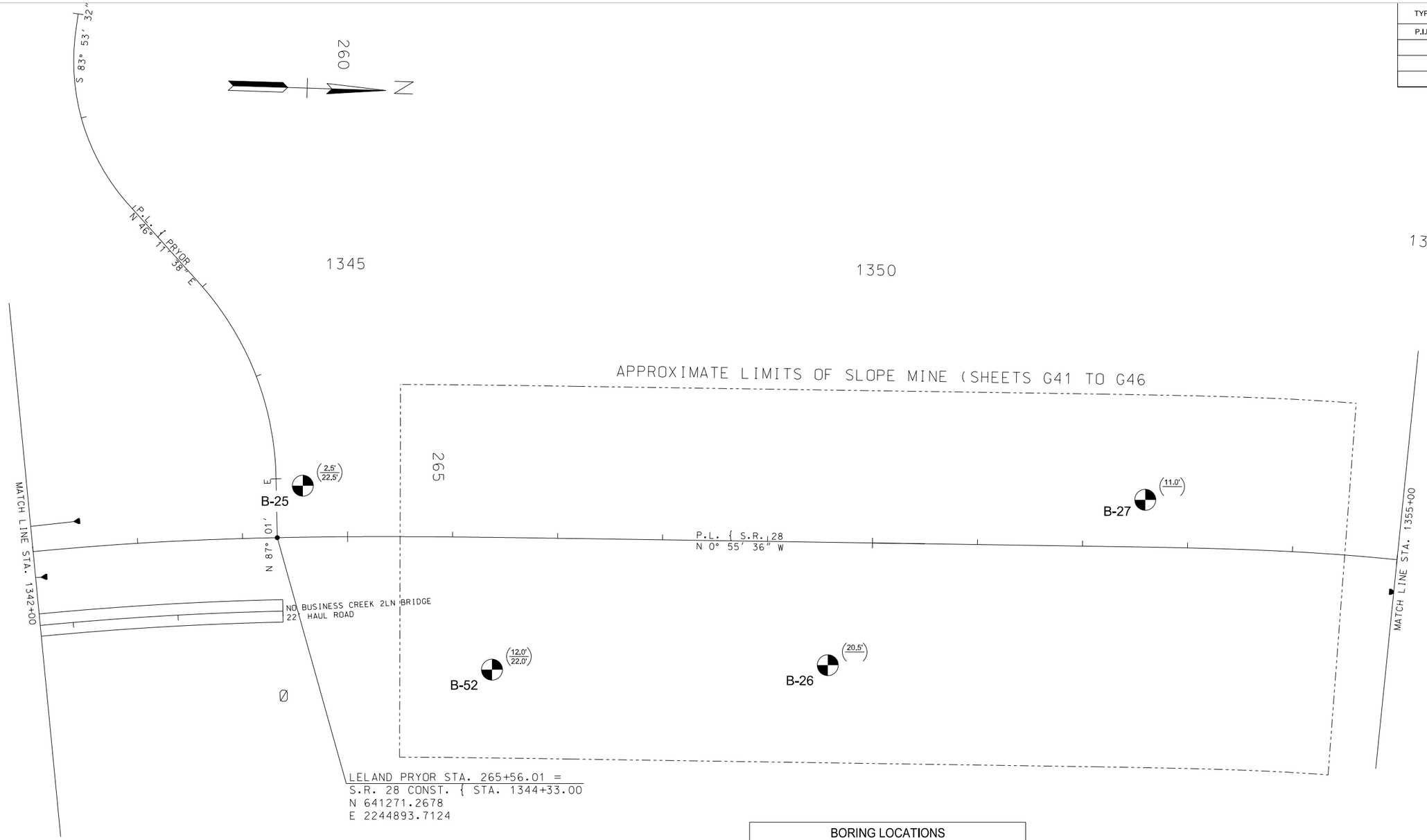
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL BORING PROFILE

STA. 1329+00 TO STA. 1342+00
SCALE: 1"=50' HORIZ. 1"=5' VERT.

$$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	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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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.	2025	18008-1218-14	G14

BALANCE PT. NO. 2
STA. 1351+03.65
EXC. 88,133 y$^{57}/_{64}$
EMB. 88,133 y$^{57}/_{64}$

STA. 1344+33.00 S.R. 28 =
STA. 265+56.01 LELAND PRYOR RD.
ELEV. 1796.21

VC = 1445.00'
K = 197

B-25
1344+58
49' LT

B-52
1346+39
126' RT

B-26
1349+59
117' RT

B-27
1352+59
45' LT

EXISTING GROUND

FINISHED GRADE

3.30%

3.30%

B.T.

B.T.

A.R.

A.R.

VPT 1349+30.93
EL. 1806.38

VPC 1351+43.02
EL. 1813.38

VPI 1342+08.43
EL. 1782.53

1855 1850 1845 1840 1835 1830 1825 1820 1815 1810 1805 1800 1795 1790 1785 1780 1775 1770 1765 1760

1342+00 1343+00 1344+00 1345+00 1346+00 1347+00 1348+00 1349+00 1350+00 1351+00 1352+00 1353+00 1354+00 1355+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)
- 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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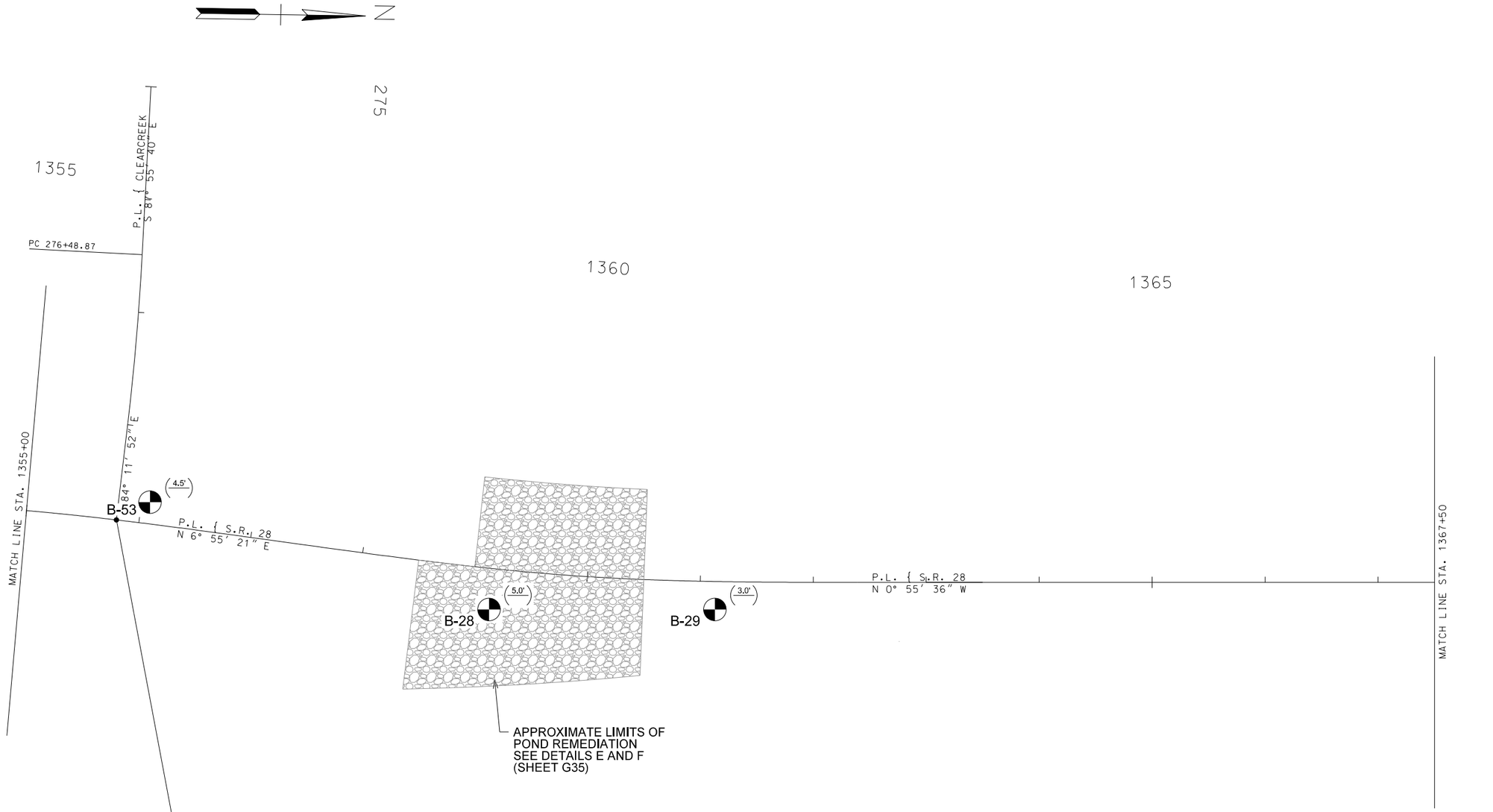
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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.	2025	18008-1218-14	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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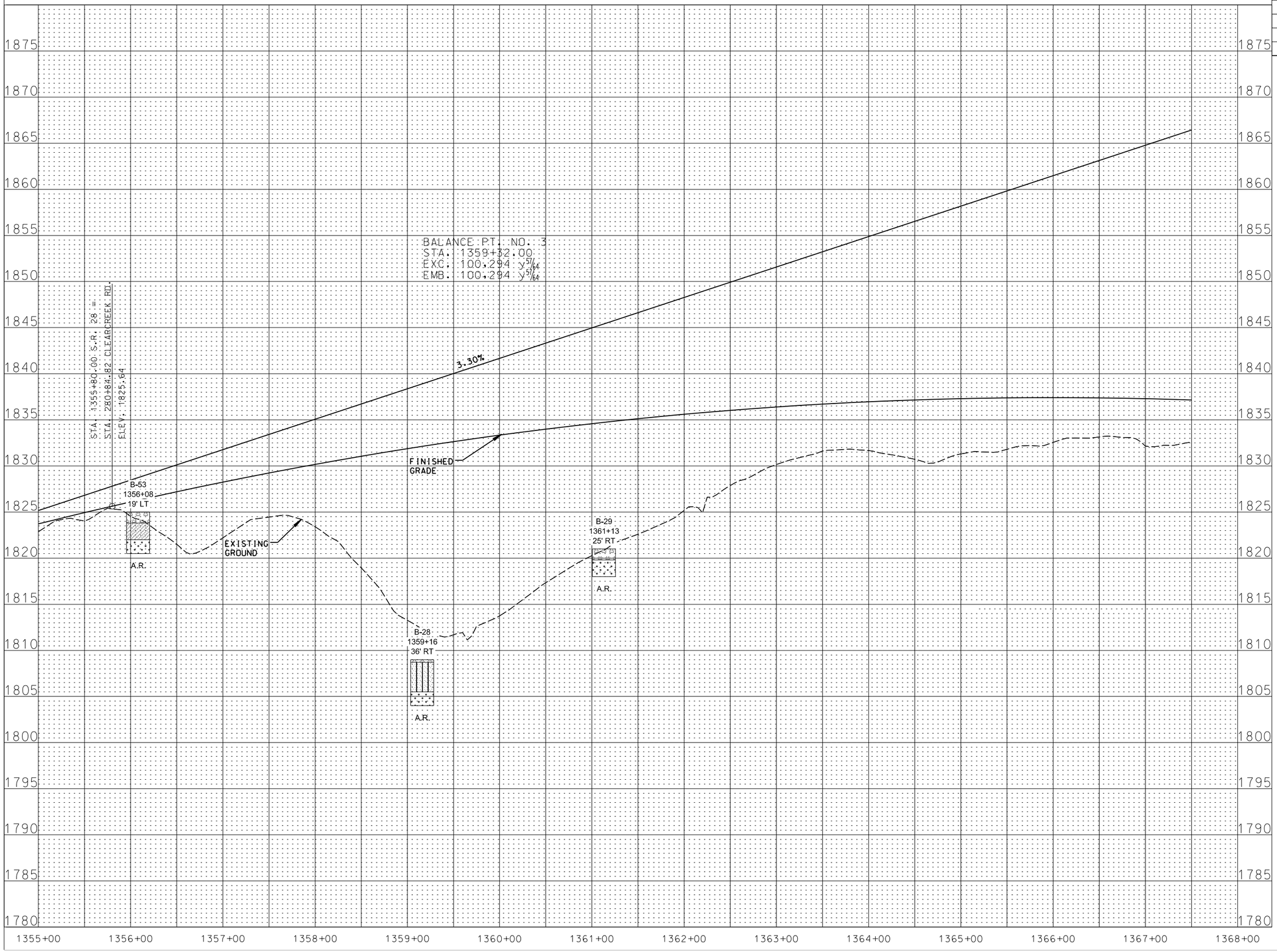
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1355+00 TO STA. 1367+50
SCALE: 1"=50'

$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	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)
- 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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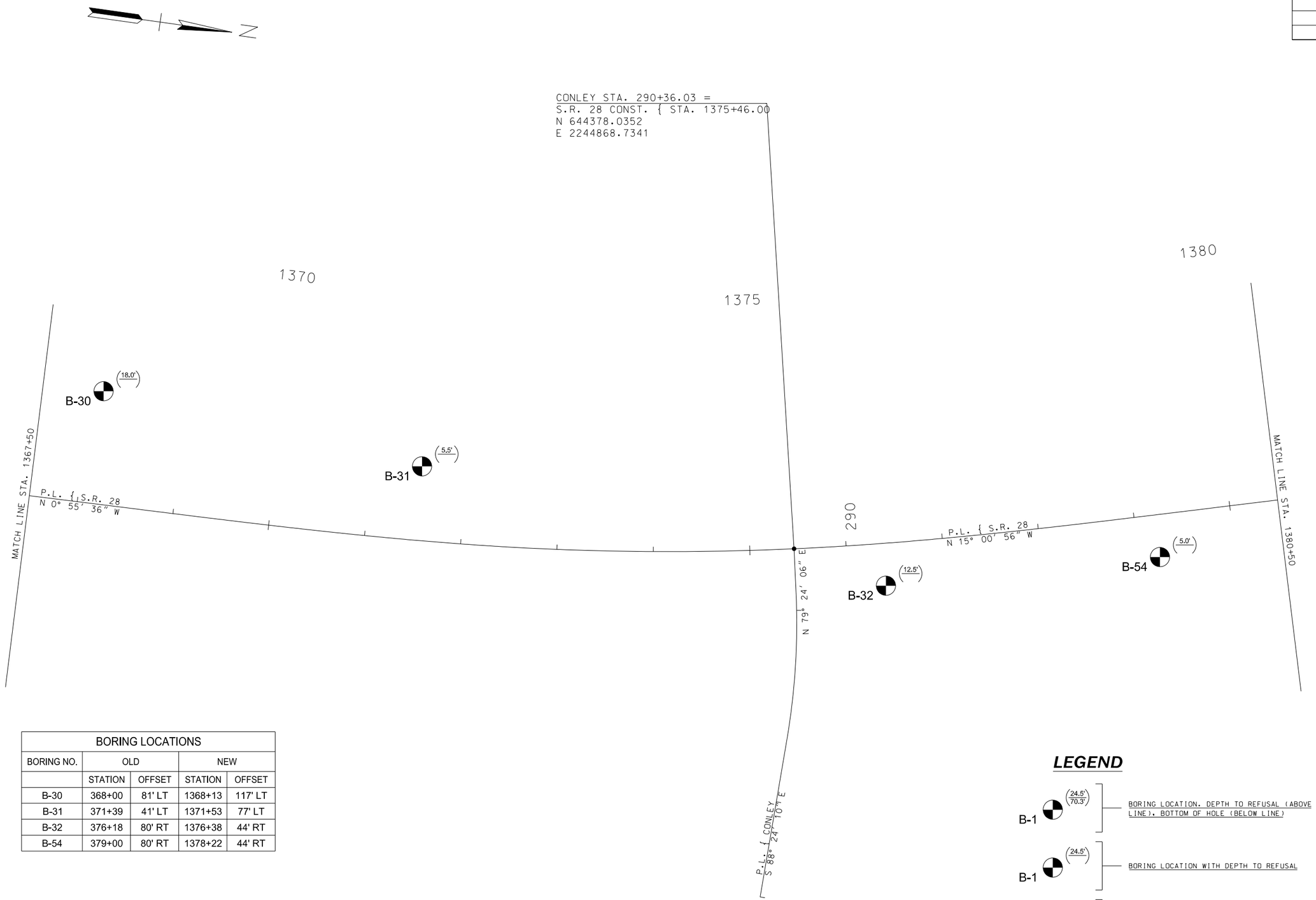
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

STA. 1355+00 TO STA. 1367+50
SCALE: 1"=50' HORIZ. 1"=5' VERT.

$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G17



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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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.	2025	18008-1218-14	G18

VP I 1367+93.02
EL. 1867.84

STA. 1375+46.00 S.R. 28 =
STA. 290+36.03 CONLEY RD.
ELEV. 1827.25

-4.18%

B-30
1368+13
117' LT

A.R.

EXISTING GROUND

B-31
1371+53
77' LT

A.R.

VC = 3300.00'
K = 441

B-32
1376+38
44' RT

A.R.

FINISHED GRADE

B-54
1378+22
44' RT

A.R.

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

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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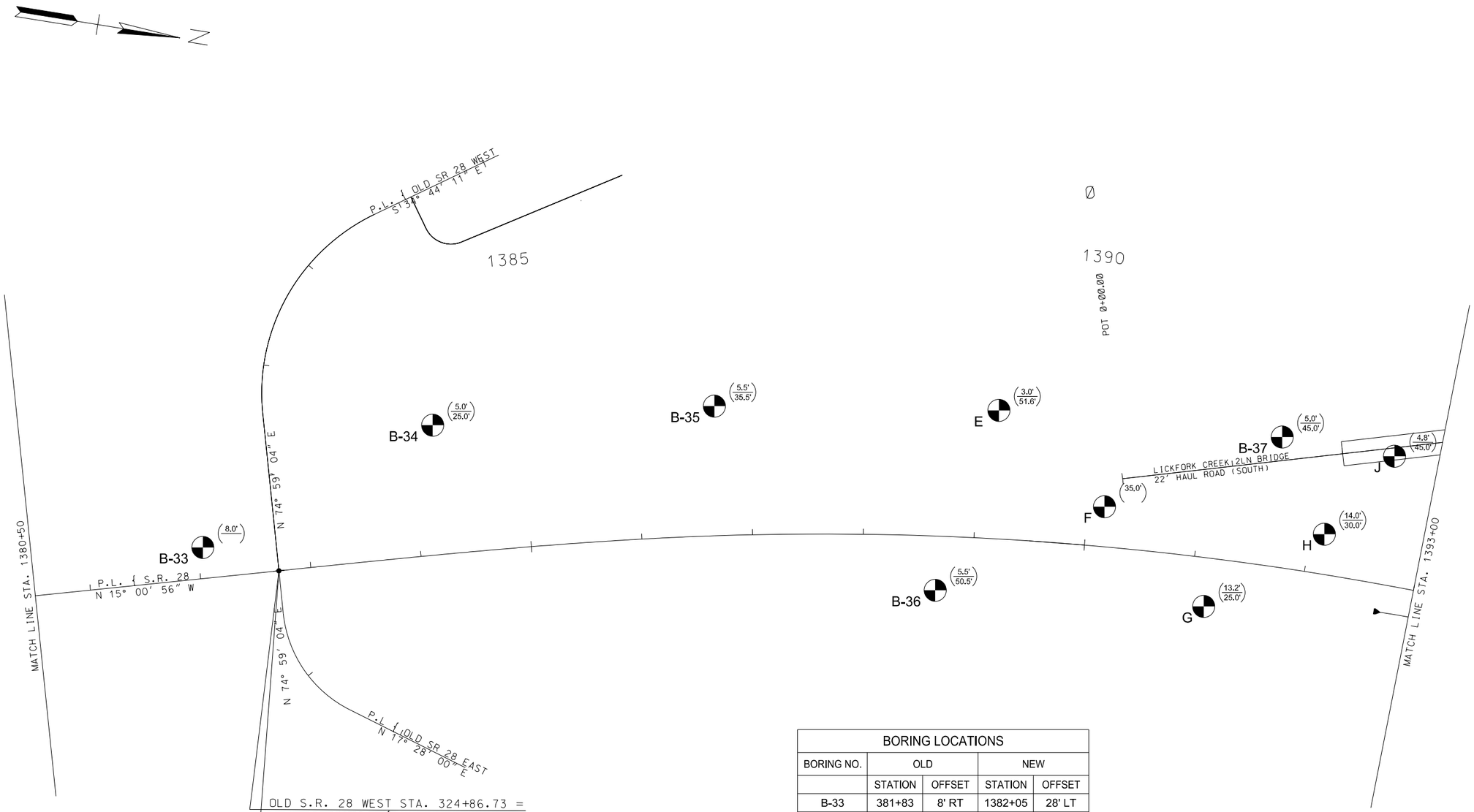
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

STA. 1367+50 TO STA. 1380+50
SCALE: 1"=50' HORIZ. 1"=5' VERT.

$$$$$SYTIME$$$$$$$
$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	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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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

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

STA. 1382+71.00 S.R. 28 +
STA. 324+86.73 S.R. 28 NORTH
ELEV. 1805.73

EXISTING GROUND

B-33
1382+05
28' LT

A.R.

B-34
1384+22
117' LT

VPT 1384+43.02
EL. 1798.87

VPC 1385+61.49
EL. 1793.92

B-35
1386+69
117' LT

B-36
1388+67
49' RT

E
1389+16
116' LT

F
1390+15
36' LT

G
1391+14
44' RT

B-37
1391+63
117' LT

H
1392+12
36' LT

J
1392+62
116' LT

FINISHED GRADE

-1.18%

-4.16%

B.T.

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

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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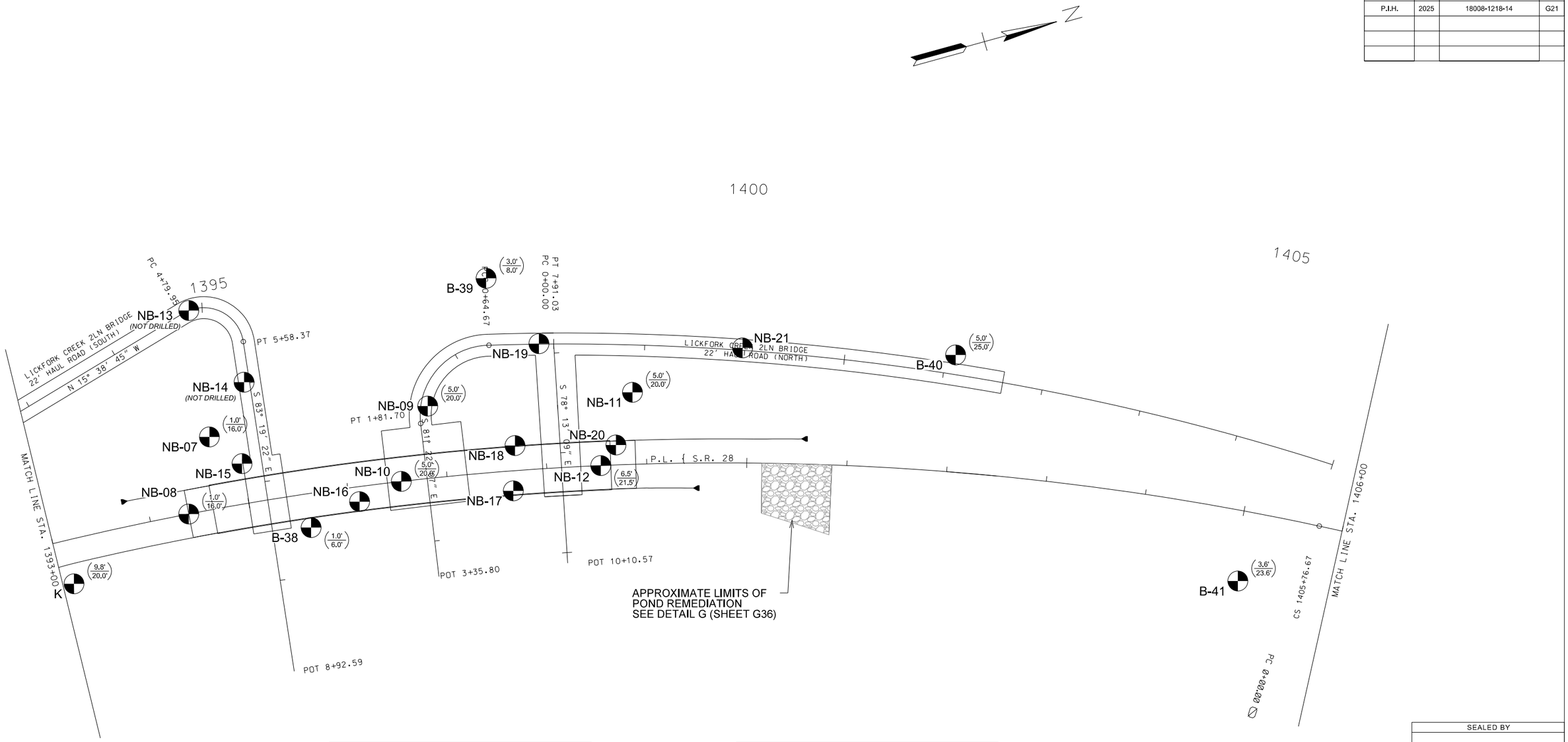
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

STA. 1380+50 TO STA. 1393+00
SCALE: 1"=50' HORIZ. 1"=5' VERT.

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	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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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.	2025	18008-1218-14	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

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

NB-17
1397+65
20' RT

NB-18
1397+70
25' LT

NB-19
1398+00
125' LT

NB-12
1398+54
CL

NB-20
1398+70
20' LT

NB-11
1398+88
72' LT

NB-21
1399+95
115' LT

B-40
1402+00
117' LT

B-41
1405+07
70' RT

B.T.

BEGIN BRIDGE 1394+64.00
EL. 1776.02
(ID. #18SR028O020)

END BRIDGE 1398+64.00
EL. 1780.76 (ID#18SR028O020)

VPI 1394+11.49
EL. 1758.39

VPT 1402+61.49
EL. 1793.19

VPC 1402+78.98
EL. 1793.90

4.09%

FINISHED GRADE

EXISTING GROUND

MATCHLINE A-A

BORING NB-11 MOVED 20 FEET RT FOR CLARITY

BORING NB-12 MOVED 20 FEET LT FOR CLARITY

BORING B-39 MOVED 20 FEET LT FOR CLARITY

BORING NB-18 MOVED 30 FEET RT FOR CLARITY

BORING NB-19 MOVED 30 FEET RT FOR CLARITY

BORING B-40 MOVED DOWN 8 FEET FROM ORIGINAL LOCATION FOR CLARITY

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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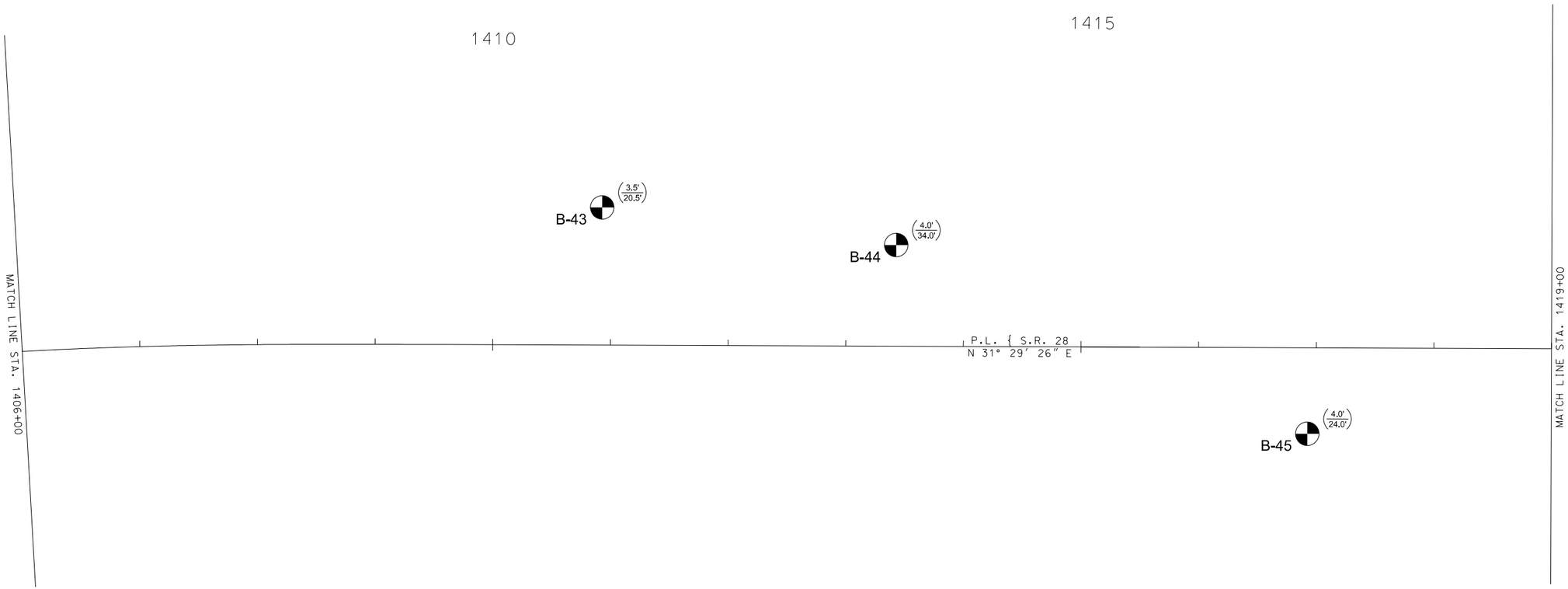
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

STA. 1393+00 TO STA. 1406+00
SCALE: 1"=50' HORIZ. 1"=5' VERT.

$$$$$SYTIME$$$$$$$
$$$$DGNSPECS$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G23



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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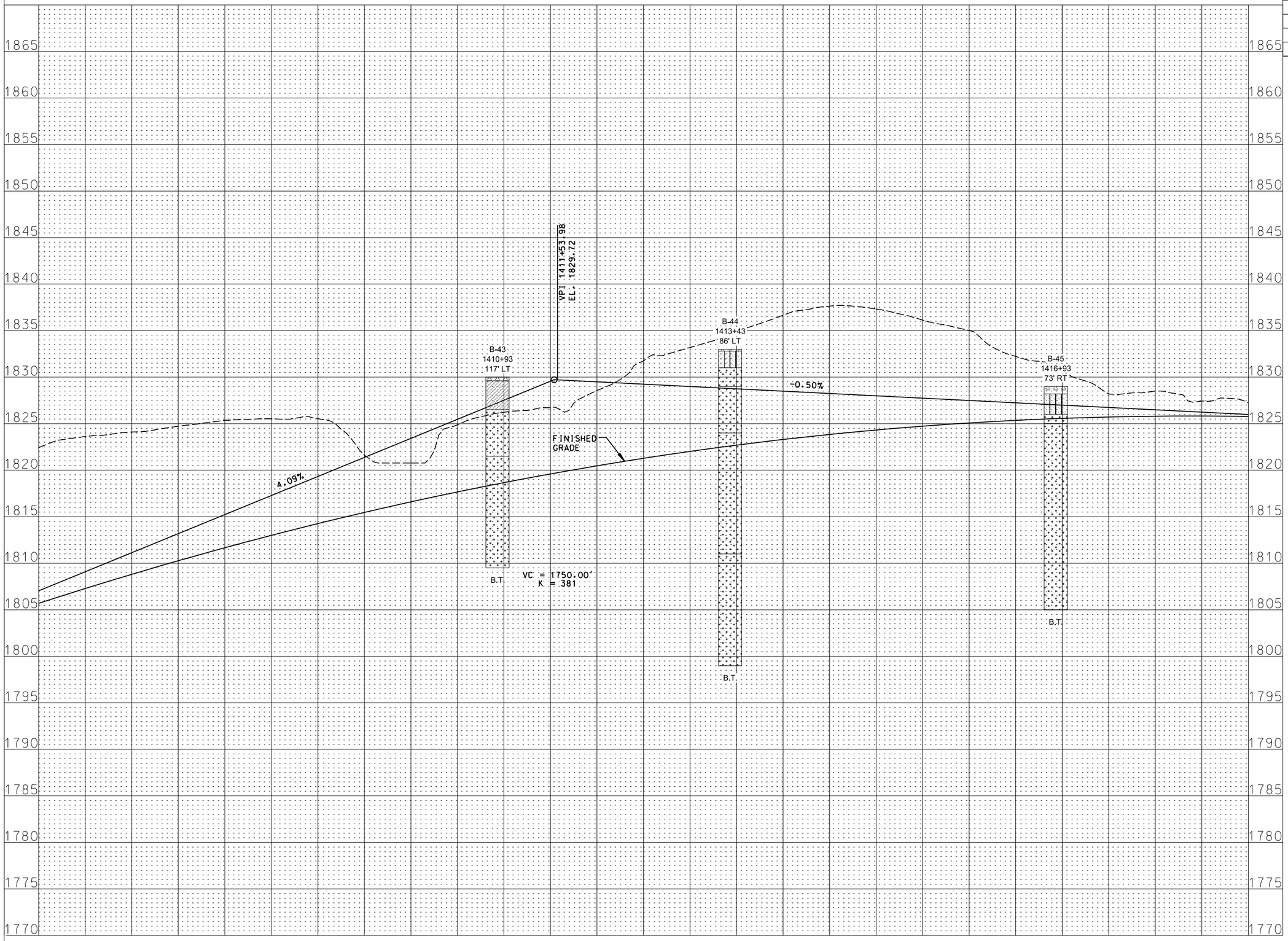
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1406+00 TO STA. 1419+00
SCALE: 1"=50'

$$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	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)
- 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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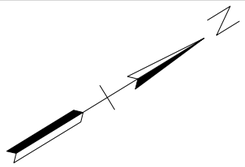
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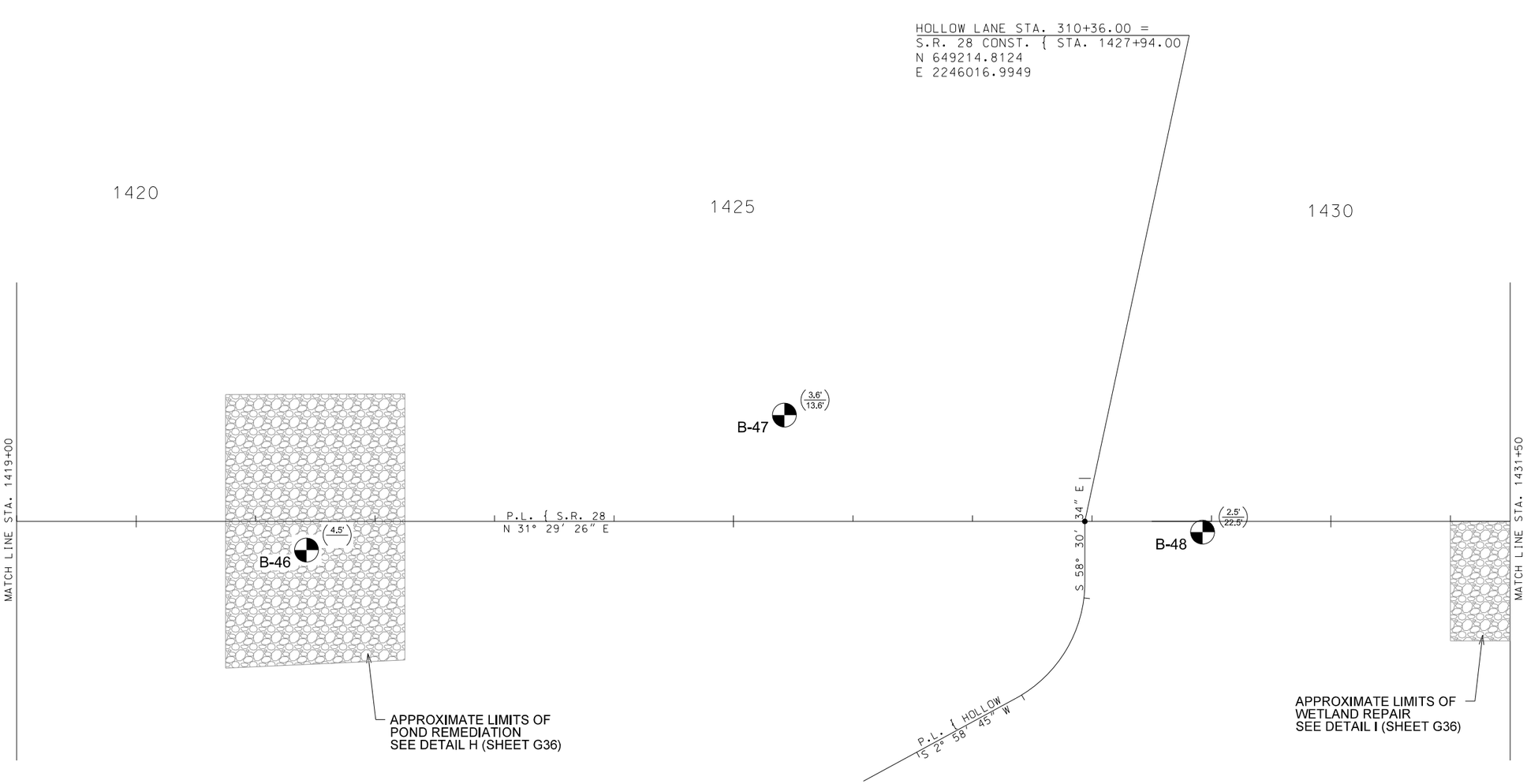
GEOTECHNICAL
BORING PROFILE

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.	2025	18008-1218-14	G25





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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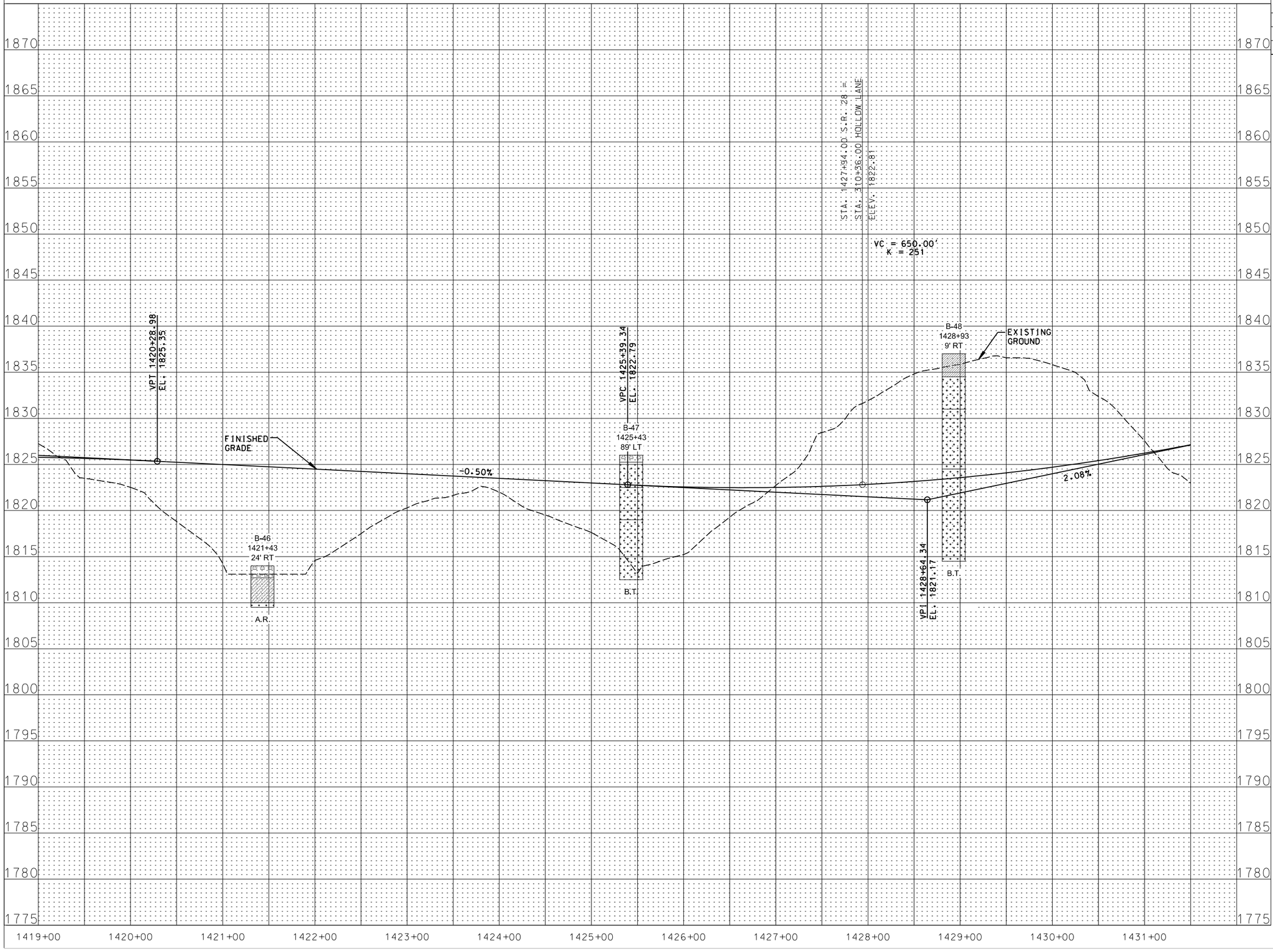
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

STA. 1419+00 TO STA. 1431+50
SCALE: 1"=50'

$$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	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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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.	2025	18008-1218-14	G27

NO BORINGS WERE DRILLED IN THIS AREA.

N.B. TRANSITION STA. 801+87.69 =
CATOOSA STA. 500+00.00
N 649716.2439
E 2246320.7545

1435

1440

500

P.L. ℄ NB TRANSITION
N 19° 20′ 28″ E

P.L. { S.R. 28
N 31° 29′ 26″ E

S 71° 29′ 08″ 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

S 74° 34′ 47″ E

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.	2025	18008-1218-14	G28

NO BORINGS WERE DRILLED IN THIS AREA.

PIN 100260.03
END PROJ. NO. STP/NH-28(32);
18008-3226-14 (CONST.)
STA. 1443+15.11 S.R. 28

VPT 1431+89.34
EL. 1827.93

VPI 1431+92.60
EL. 1828.00

(FUTURE S.R. 28 BY OTHERS)

1880 1875 1870 1865 1860 1855 1850 1845 1840 1835 1830 1825 1820 1815 1810 1805 1800 1795 1790 1785

1432+00 1433+00 1434+00 1435+00 1436+00 1437+00 1438+00 1439+00 1440+00 1441+00 1442+00 1443+00 1444+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)
- 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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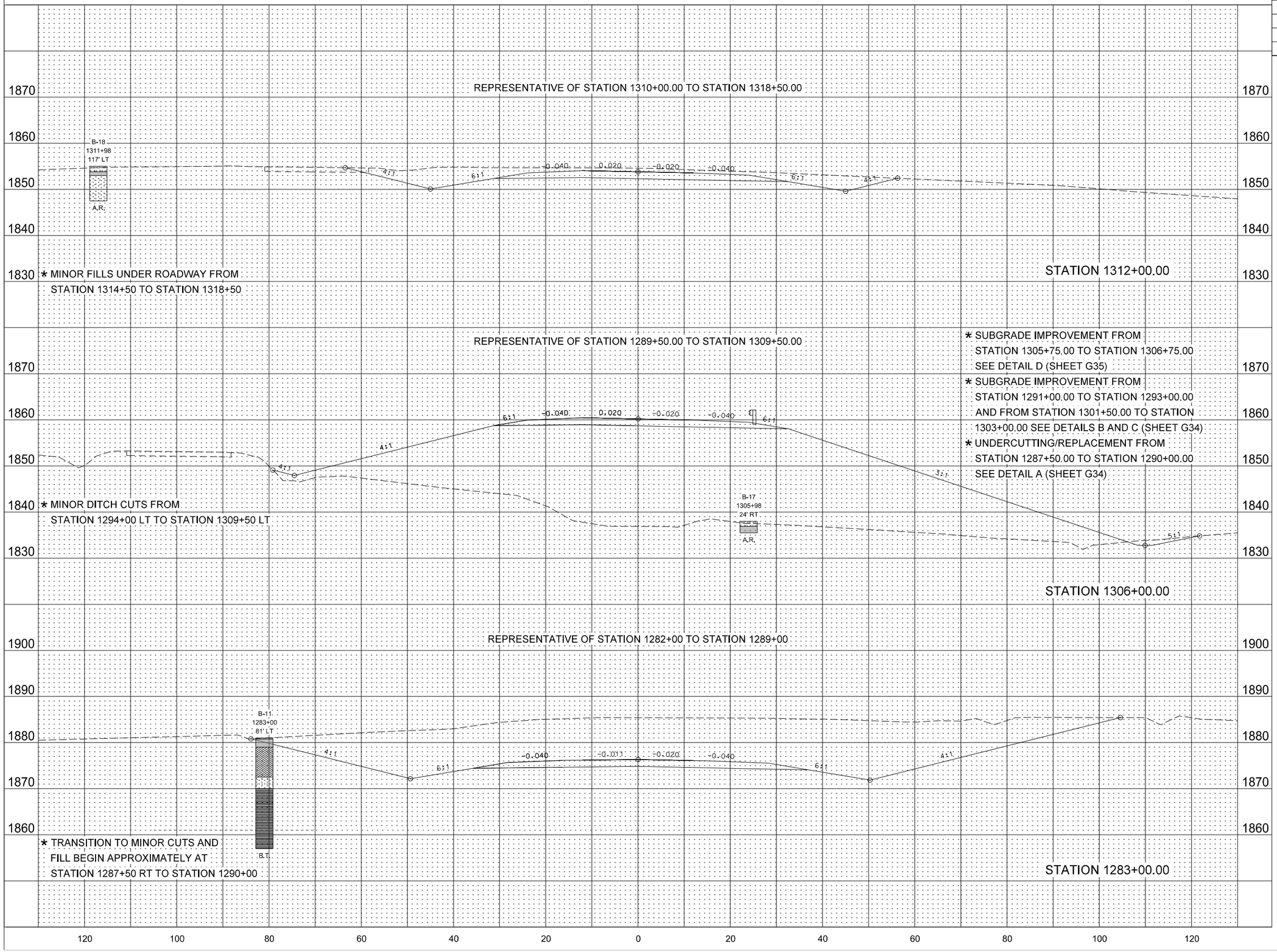
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

STA. 1431+50 TO STA. 1443+15
SCALE: 1"=50' HORIZ. 1"=5' VERT.

$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G29



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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DEPARTMENT OF TRANSPORTATION

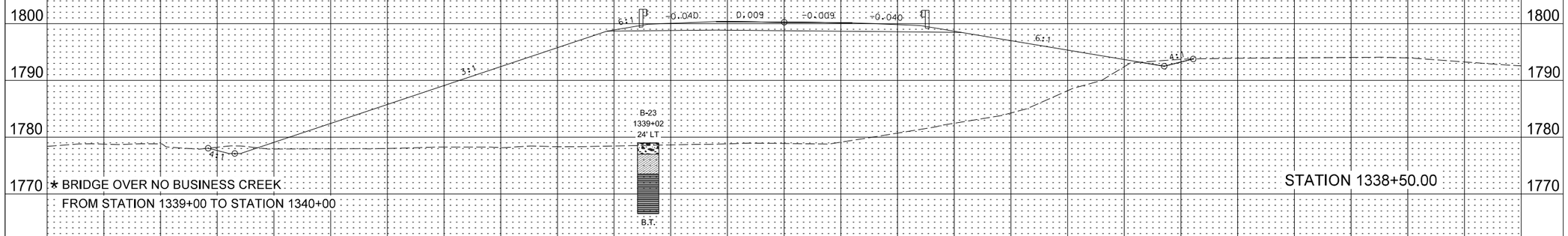
GEOTECHNICAL
TYPICAL SECTIONS

SCALE: 1"=10'

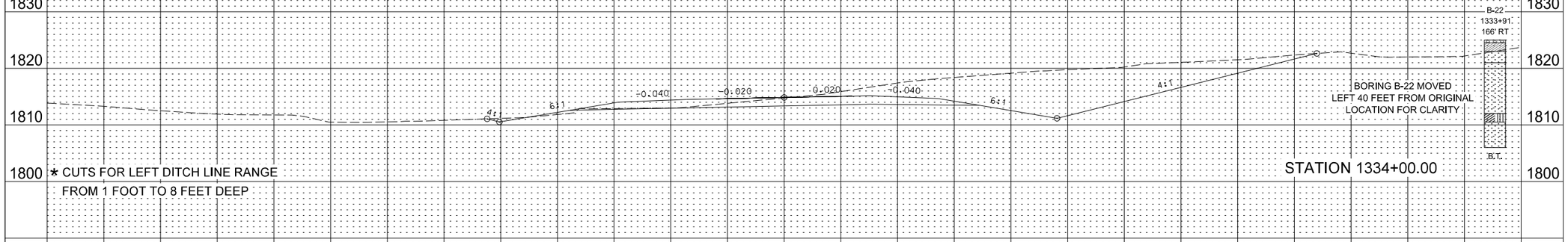
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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G30

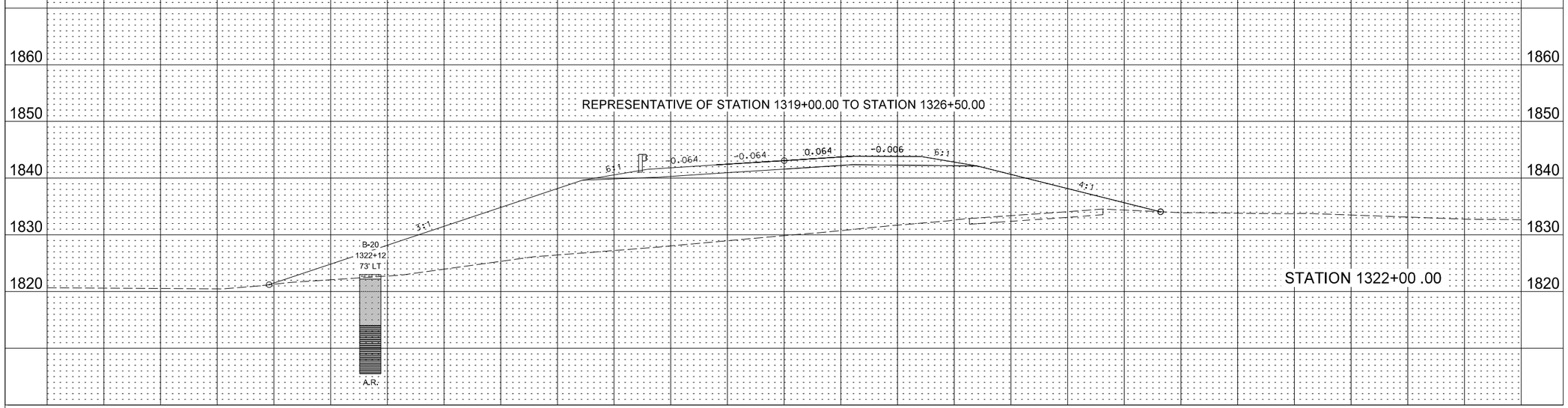
REPRESENTATIVE OF STATION 1338+00.00 TO STATION 1340+00.00

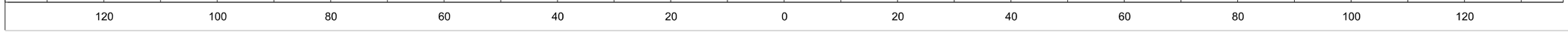


REPRESENTATIVE OF STATION 1327+00.00 TO STATION 1337+50.00



REPRESENTATIVE OF STATION 1319+00.00 TO STATION 1326+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)
- 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

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

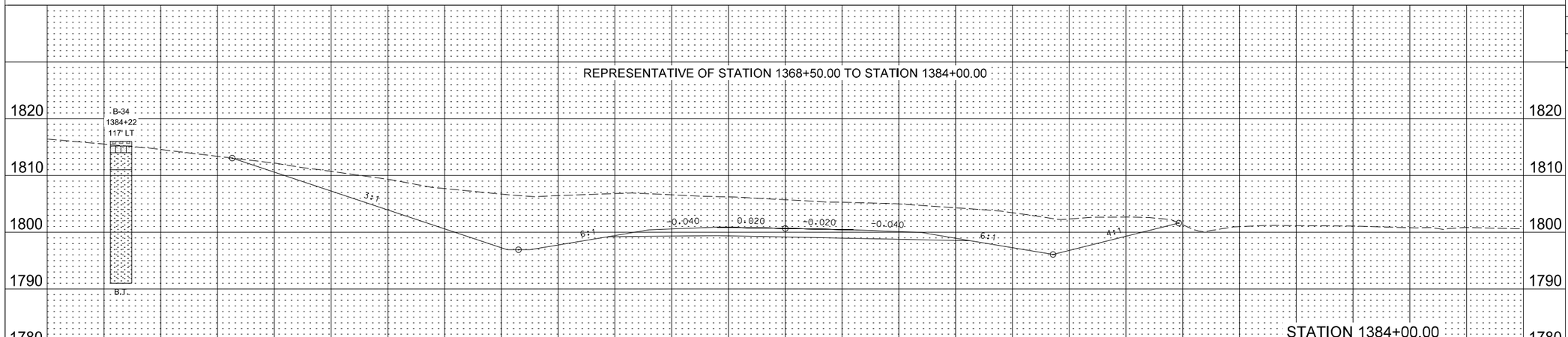
GEOTECHNICAL
TYPICAL SECTIONS

SCALE: 1"=10'

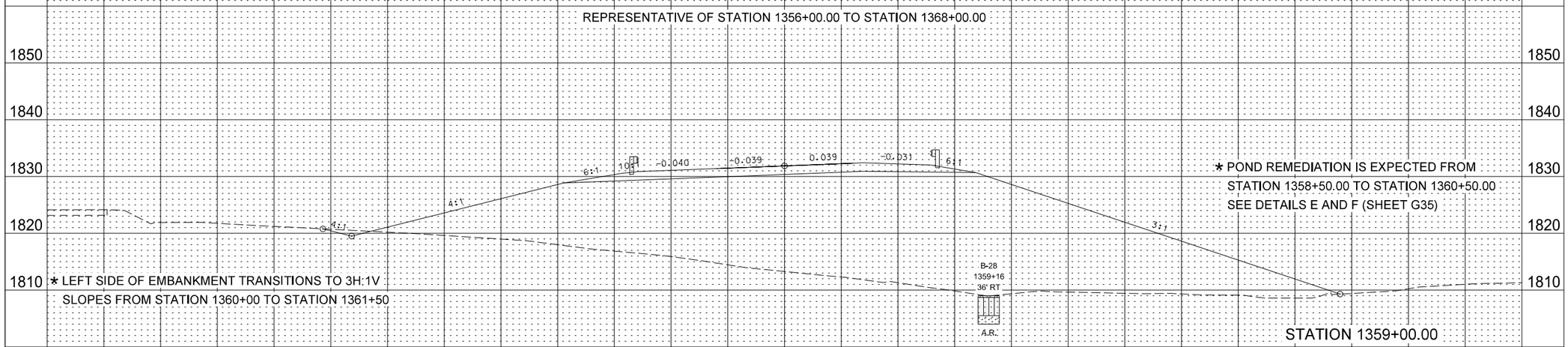
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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G31

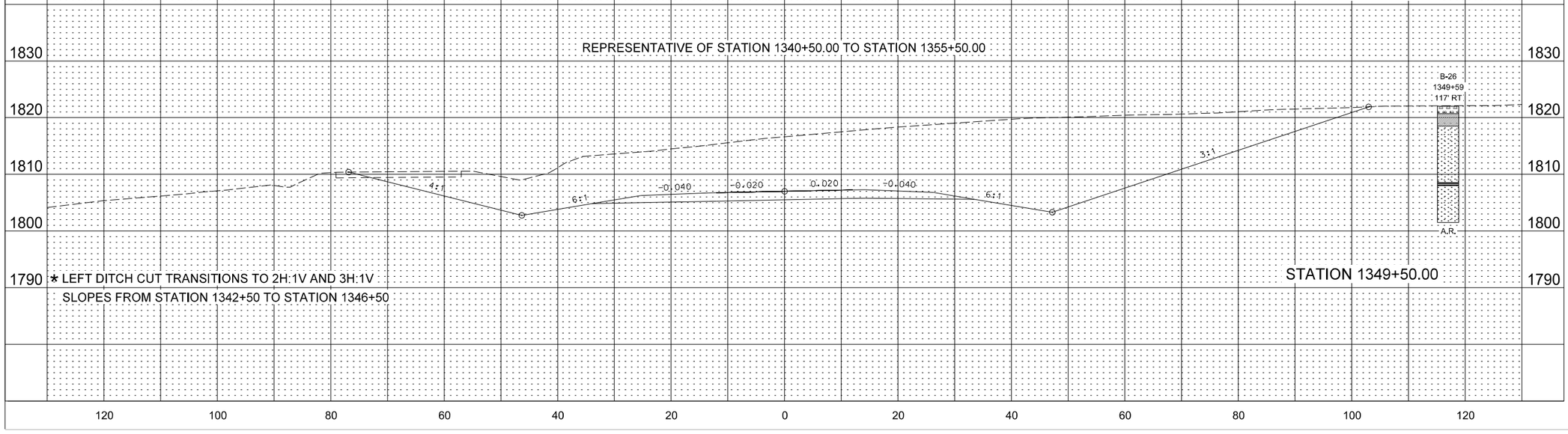
REPRESENTATIVE OF STATION 1368+50.00 TO STATION 1384+00.00



REPRESENTATIVE OF STATION 1356+00.00 TO STATION 1368+00.00



REPRESENTATIVE OF STATION 1340+50.00 TO STATION 1355+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

SEALED BY

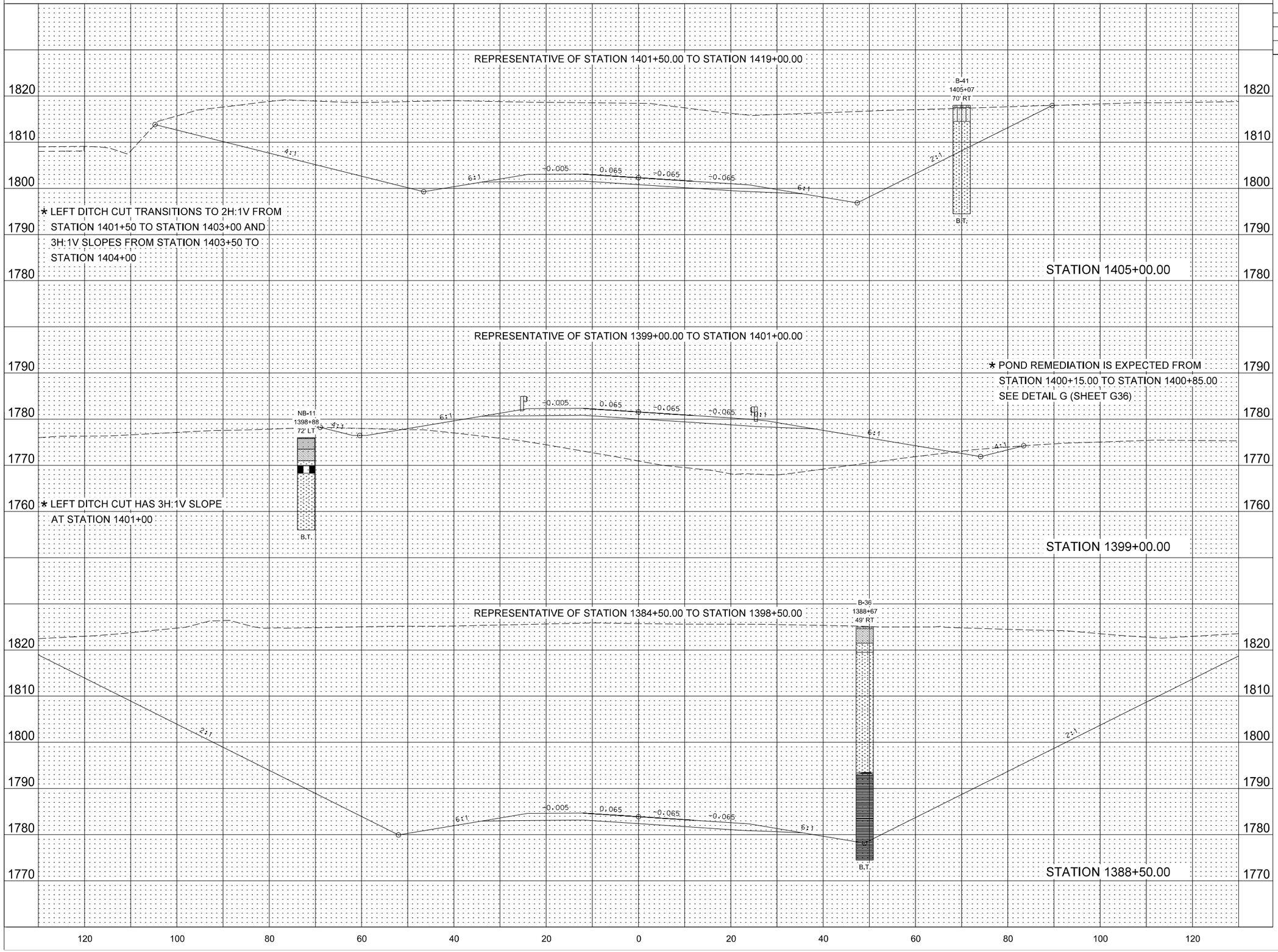
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

SCALE: 1"=10'

$$$$SYTIME$$$$$$$
$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G32



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

SEALED BY

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

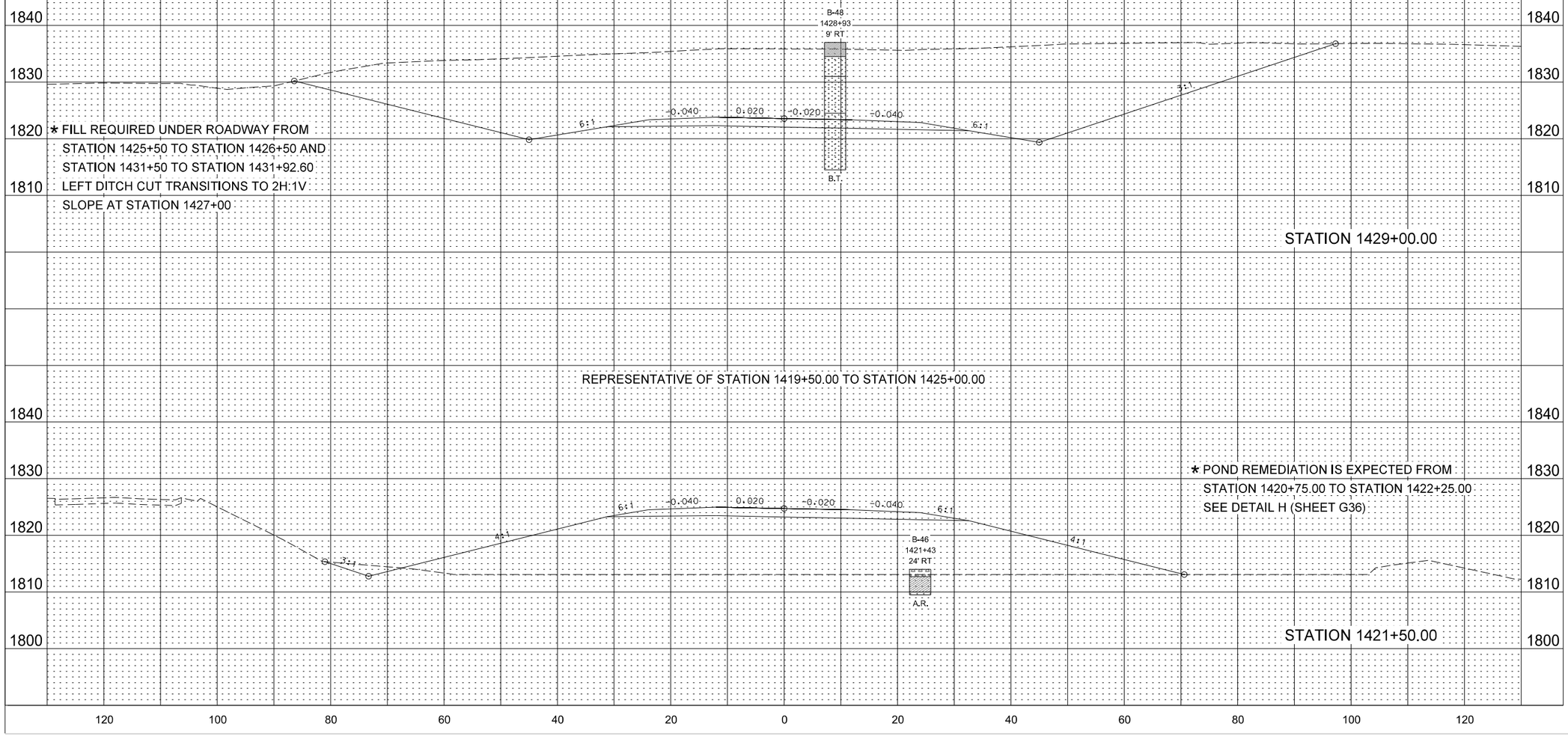
GEOTECHNICAL
TYPICAL SECTIONS

SCALE: 1"=10'

$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G33

REPRESENTATIVE OF STATION 1425+50.00 TO STATION 1432+00.00



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)
- 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

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

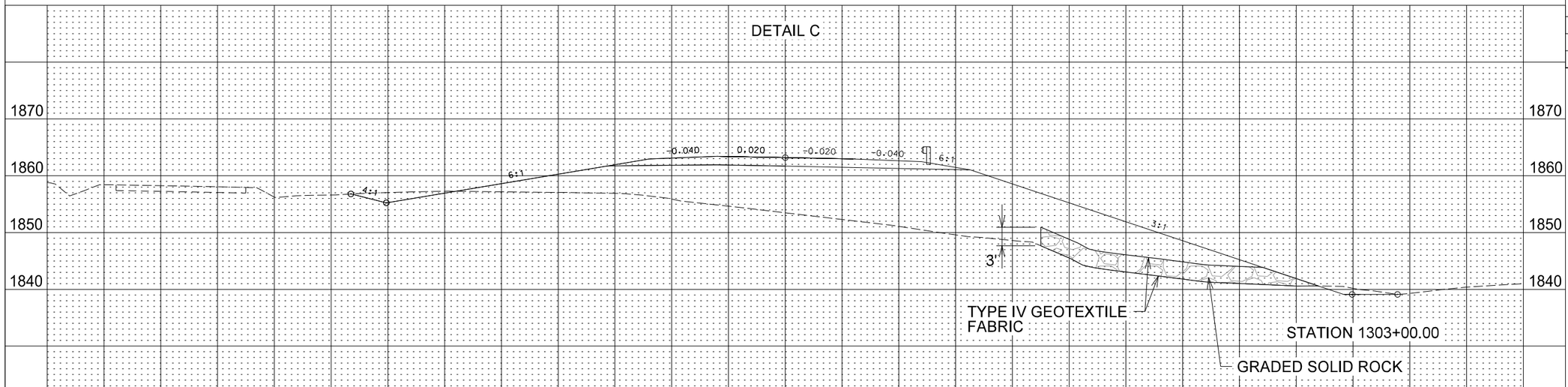
GEOTECHNICAL
TYPICAL SECTIONS

SCALE: 1"=10'

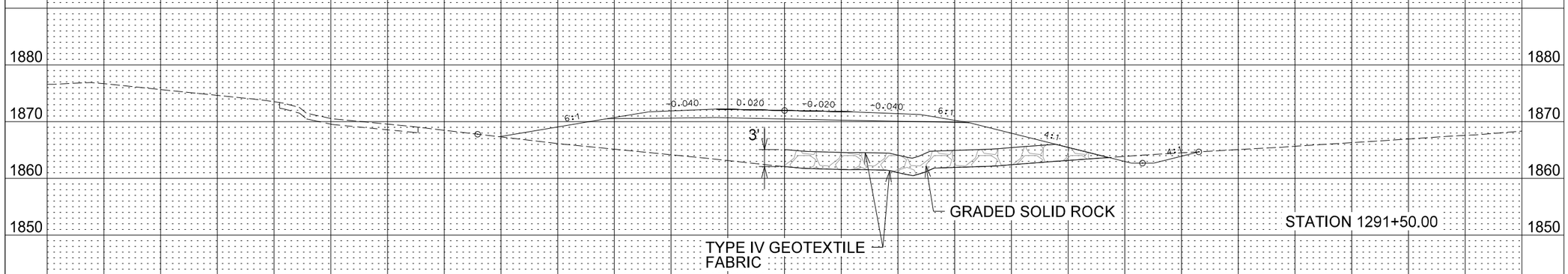
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$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G34

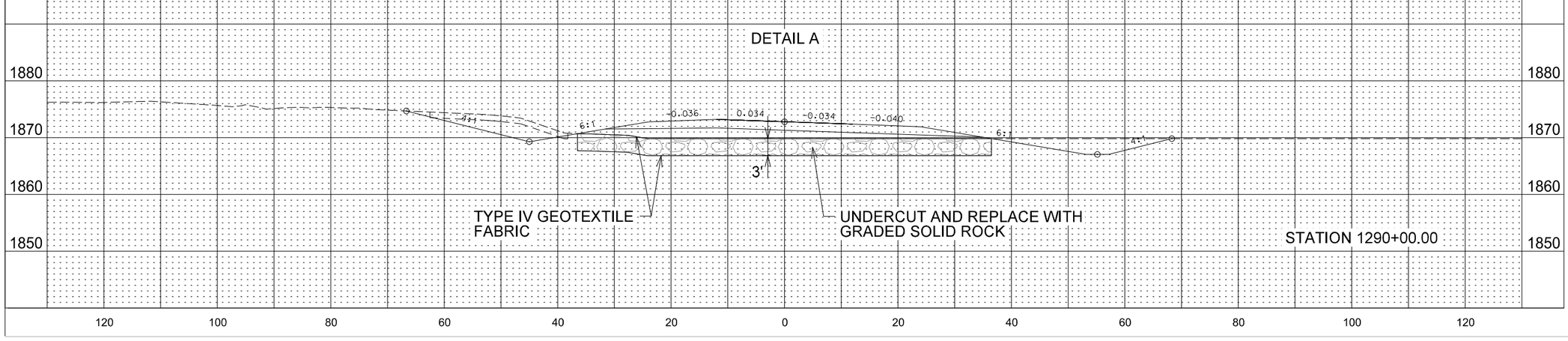
DETAIL C



DETAIL B



DETAIL A

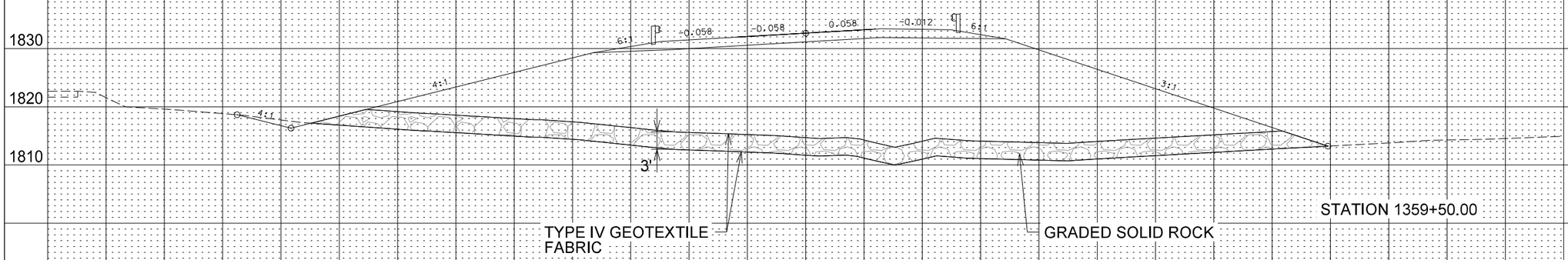


120 100 80 60 40 20 0 20 40 60 80 100 120

$$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G35

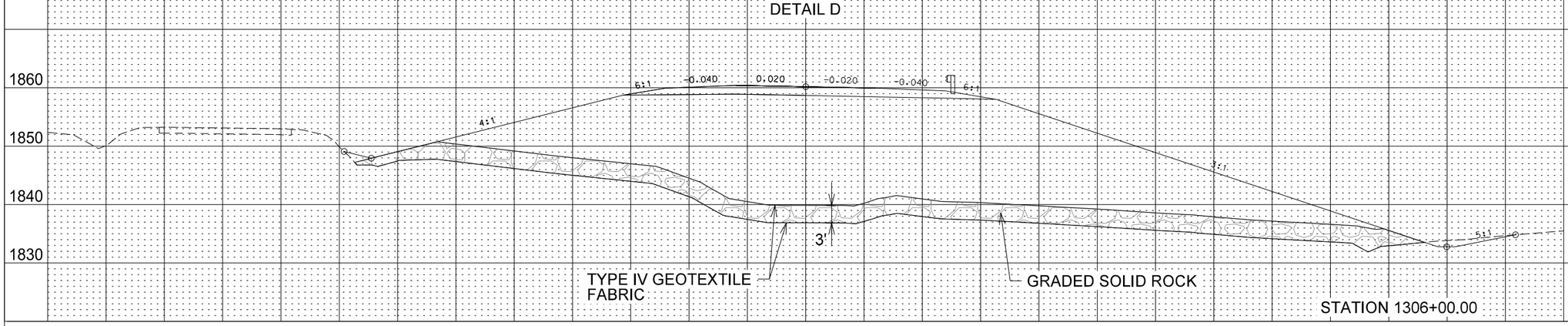
DETAIL F



DETAIL E



DETAIL D



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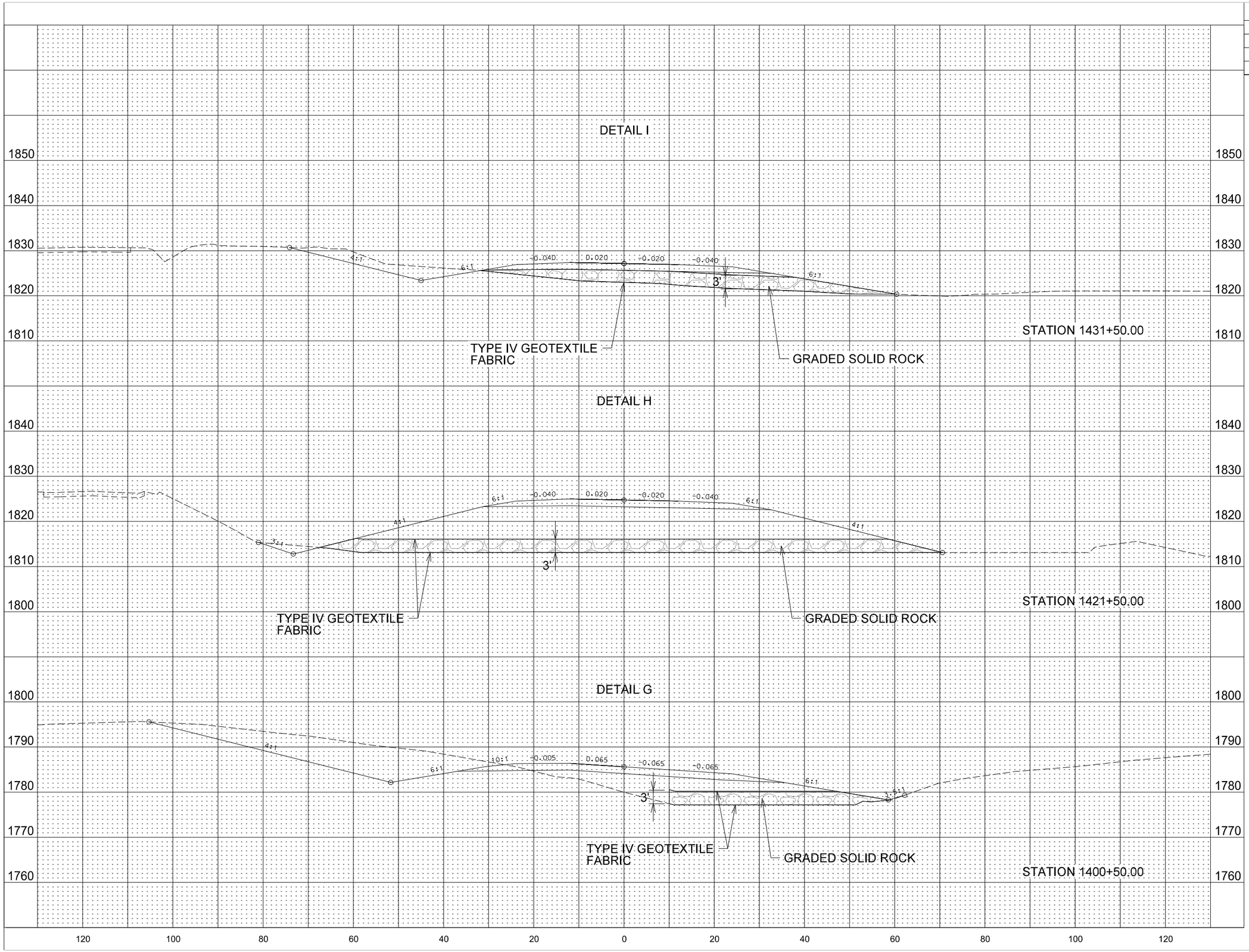
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

GEOTECHNICAL DETAILS

SCALE: 1"=10'

$$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G36



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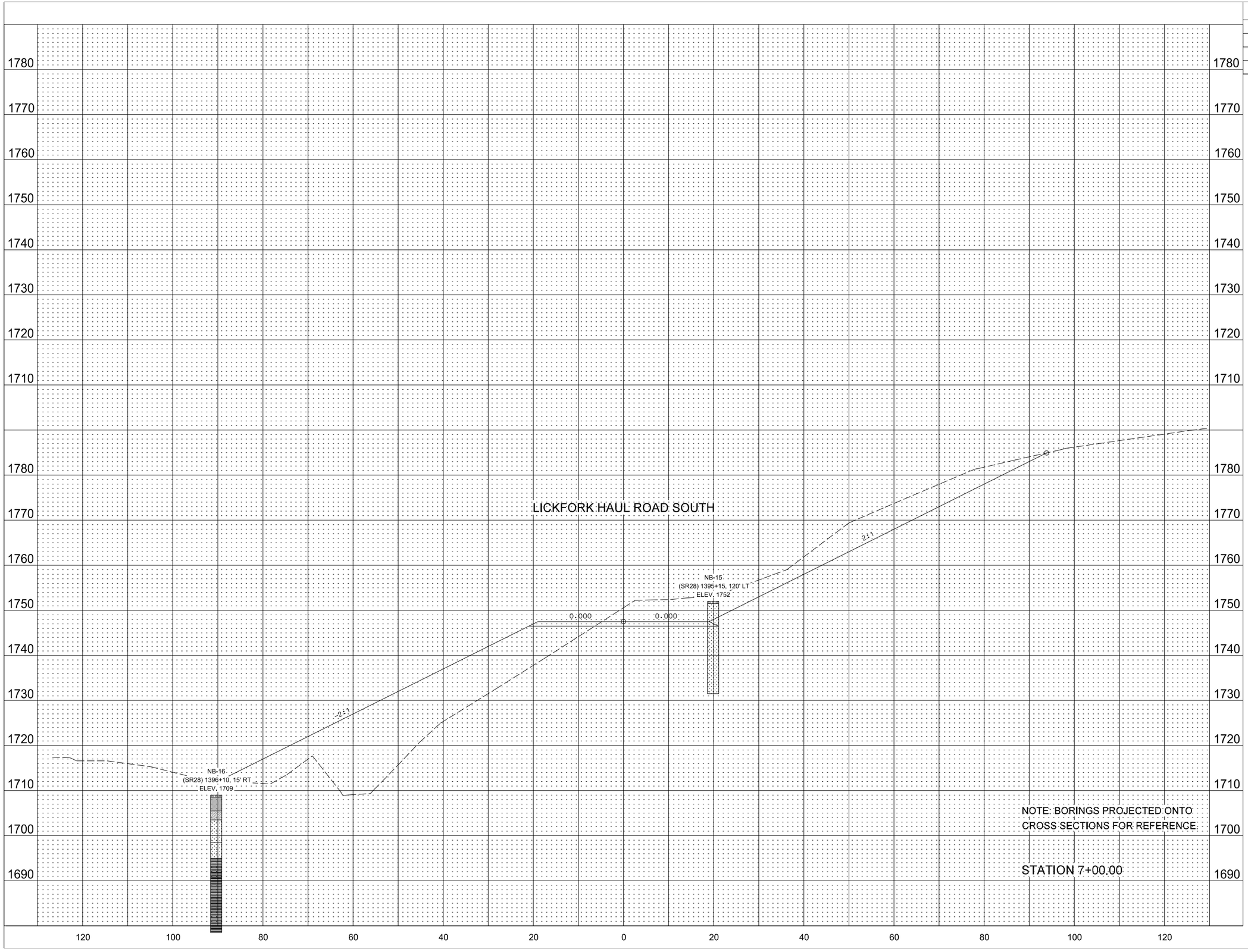
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

GEOTECHNICAL DETAILS

SCALE: 1"=10'

$$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G37



NOTE: BORINGS PROJECTED ONTO CROSS SECTIONS FOR REFERENCE.

STATION 7+00.00

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)
- 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

SEALED BY

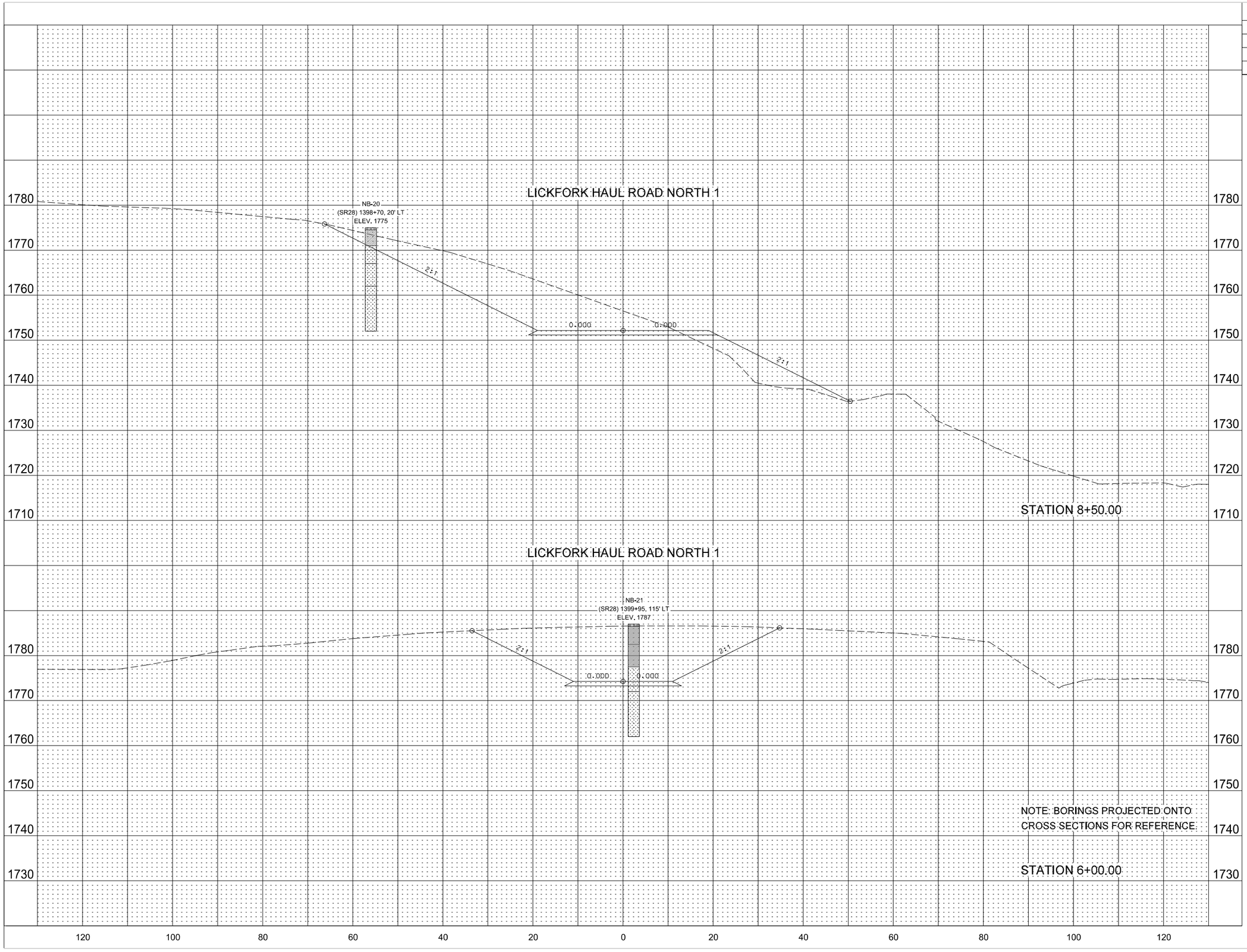
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

SCALE: 1"=10'

$$$$SYTIME$$$$$$$
$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G38



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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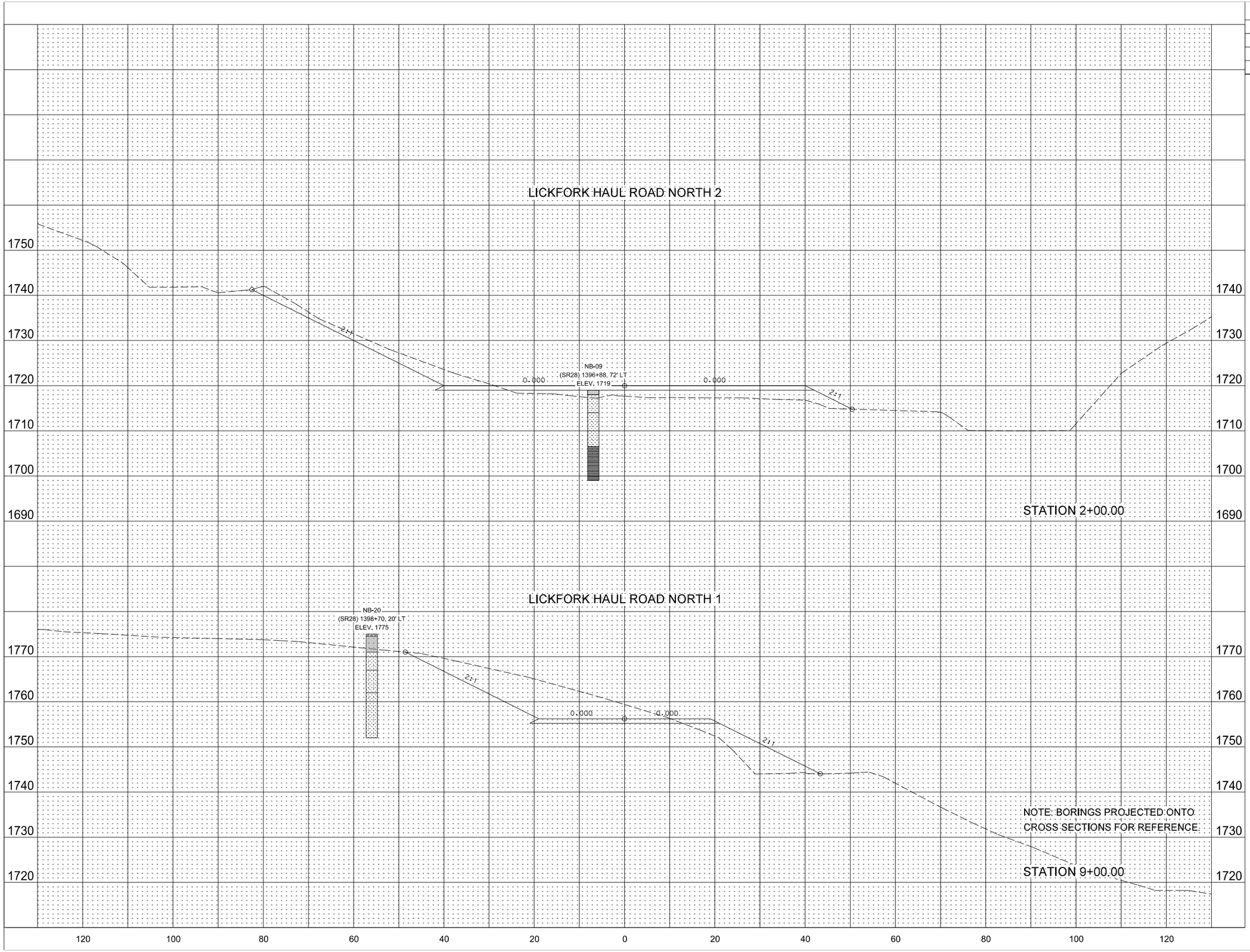
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

SCALE: 1"=10'

$$$$SYTIME$$$$$$$
$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G39



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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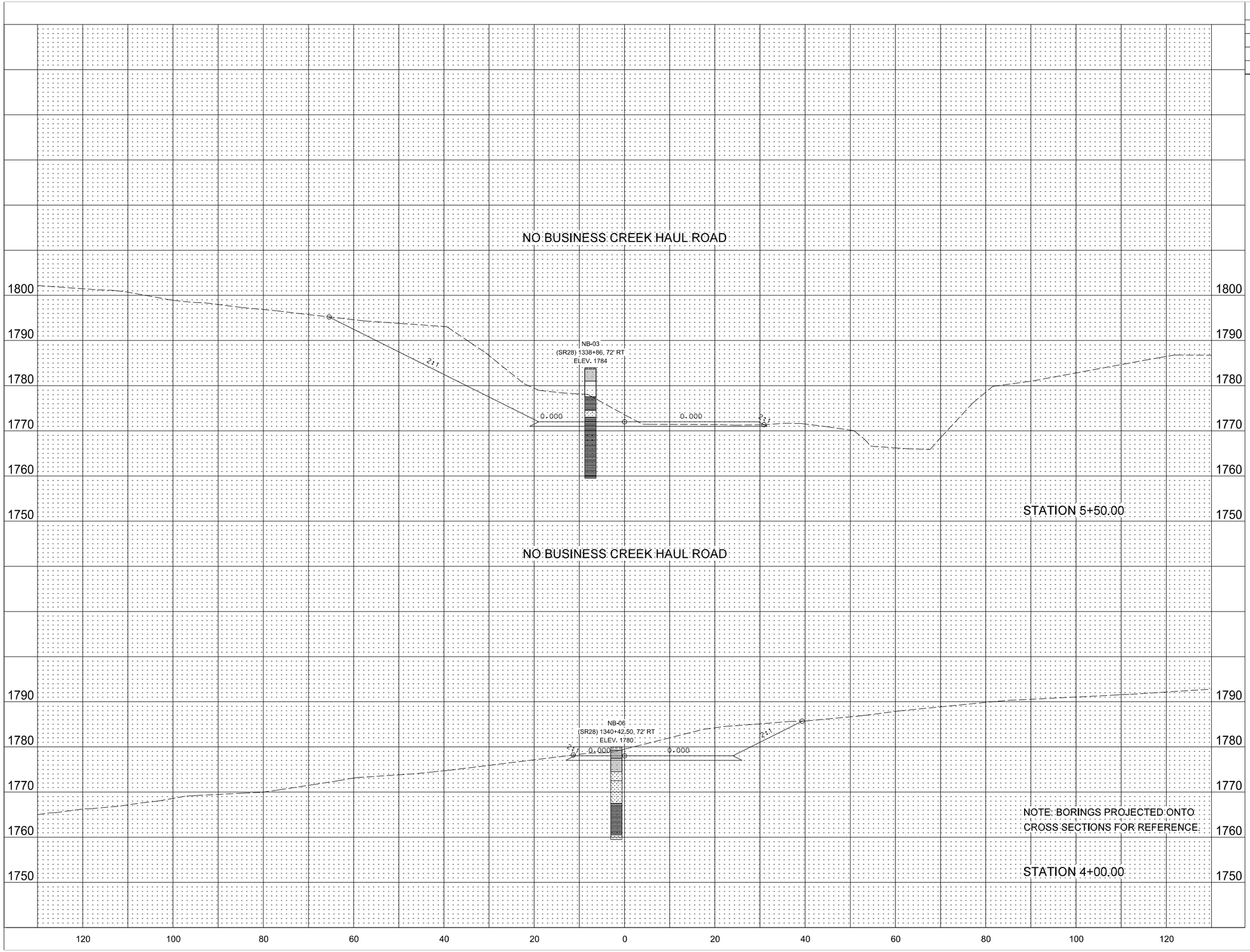
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

SCALE: 1"=10'

$$$$SYTIME$$$$$$$$
$$$$DGNSPECS$$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G40



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

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

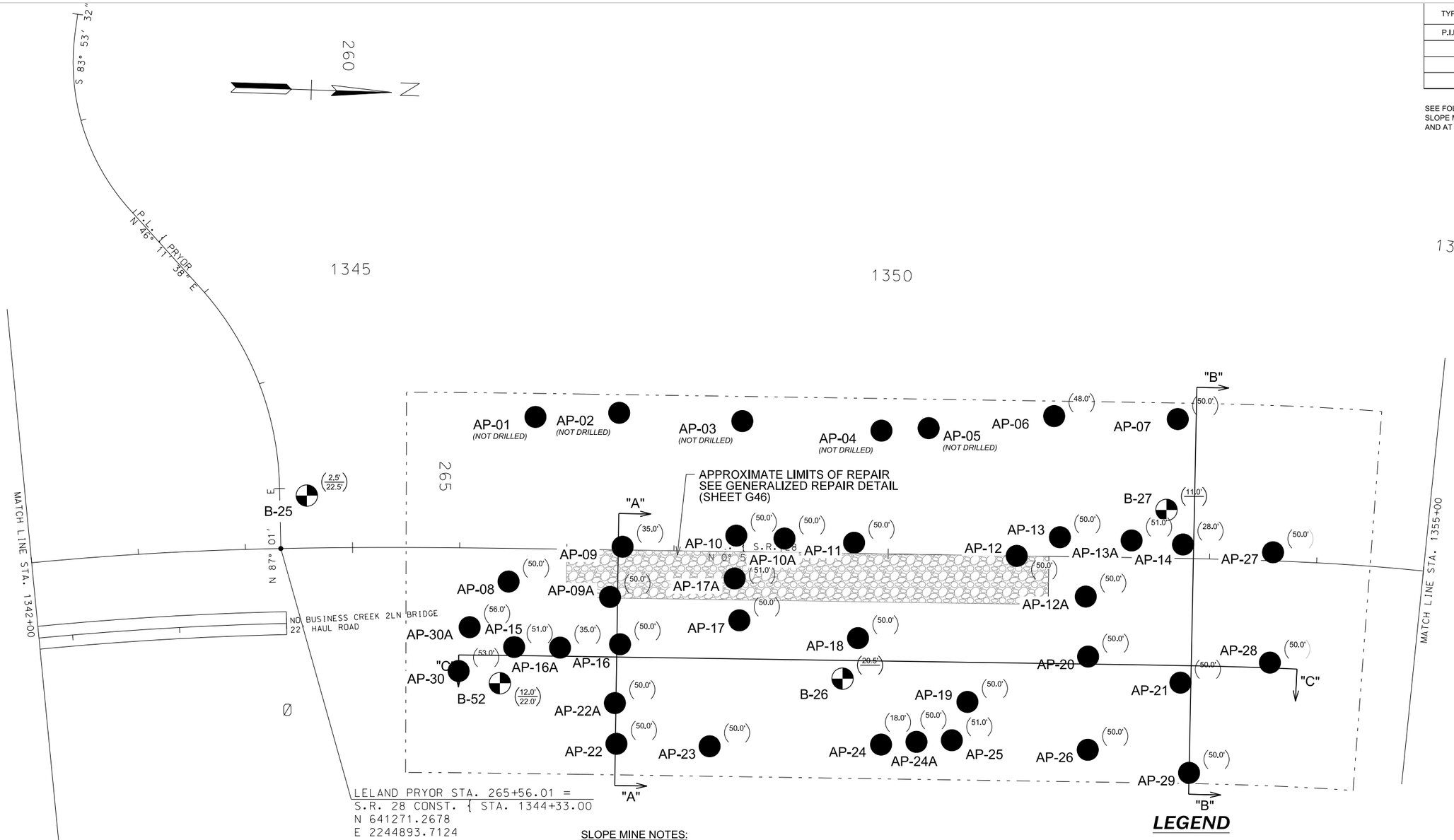
GEOTECHNICAL
TYPICAL SECTIONS

SCALE: 1"=10'

$$$$SYTIME$$$$$$$$
$$$$DGNSPEC$$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	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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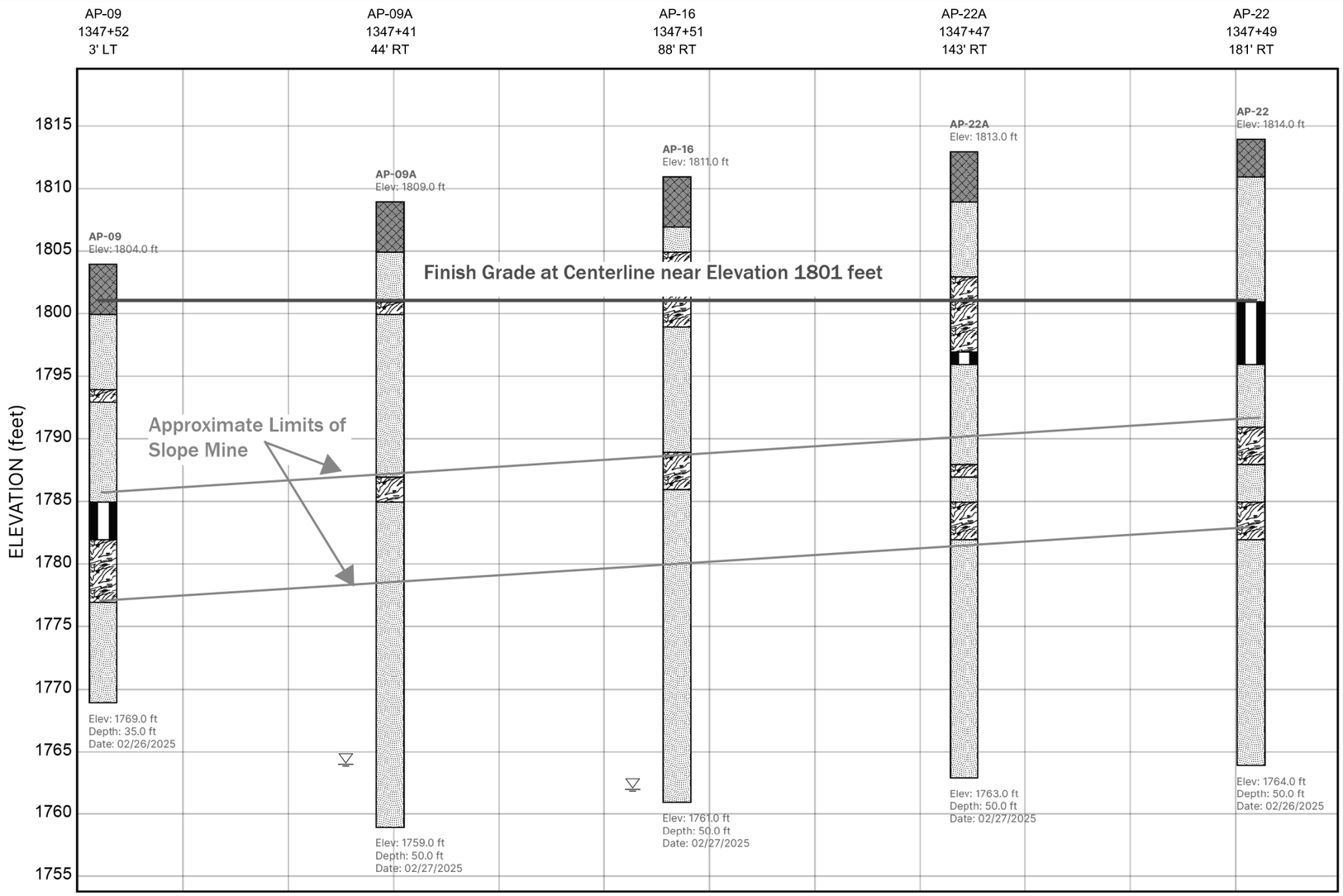
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
SLOPE MINE PLAN VIEW

SCALE: 1"=50'

$$$$SYTIME$$$$$$$$
$$$$DGNSPEC$$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G42



SPACED EVENLY

"A - A" PROFILE

STATION 1347+50

LEGEND

- BEDROCK
- WEATHERED ROCK
- UNDIFFERENTIATED OVERBURDEN
- OPEN VOID
- PARTIALLY FILLED CAVITY

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.

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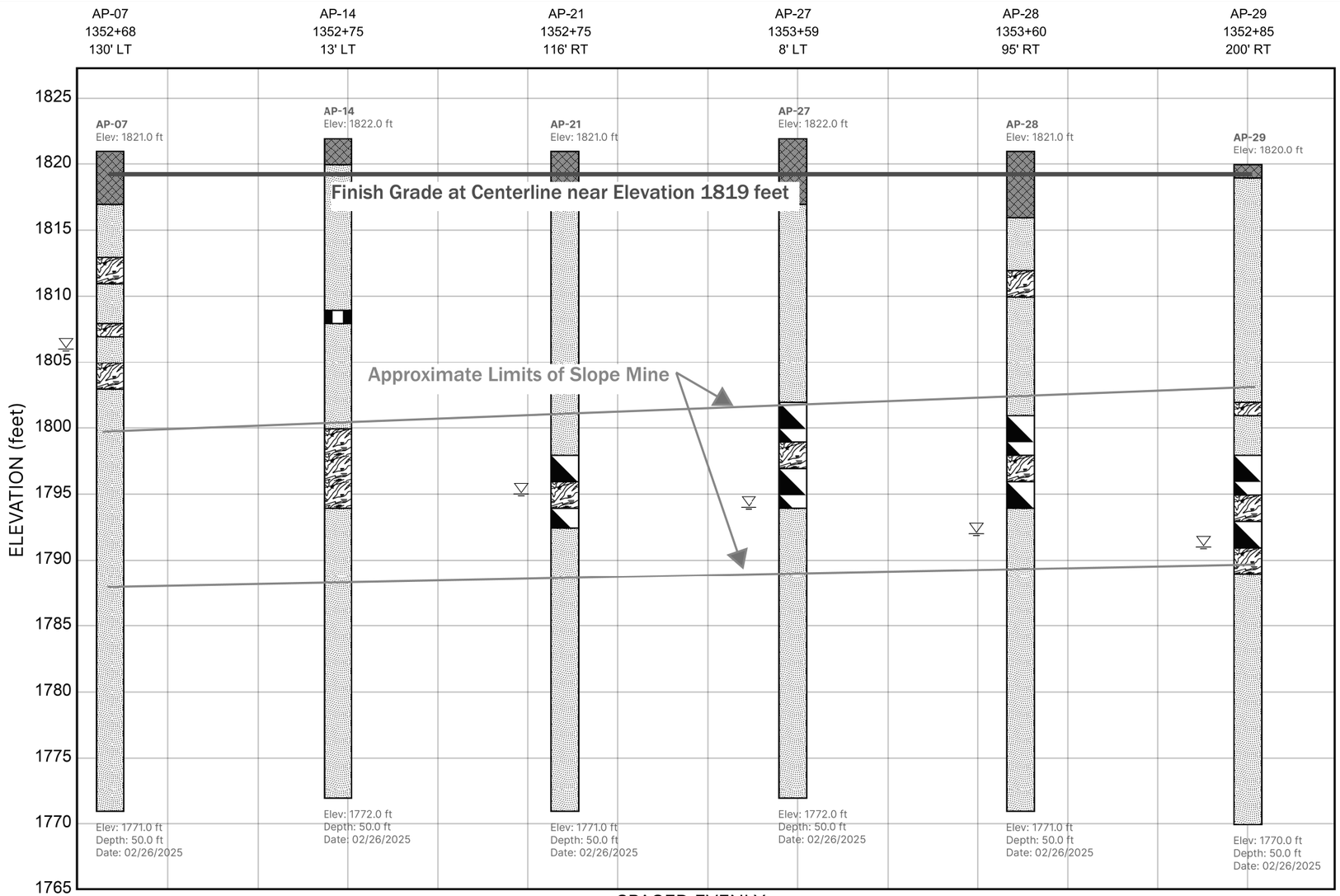
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
SLOPE MINE PROFILE

STA. 1347+50
SCALE: N.T.S.

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2020	18008-1218-14	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'

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.

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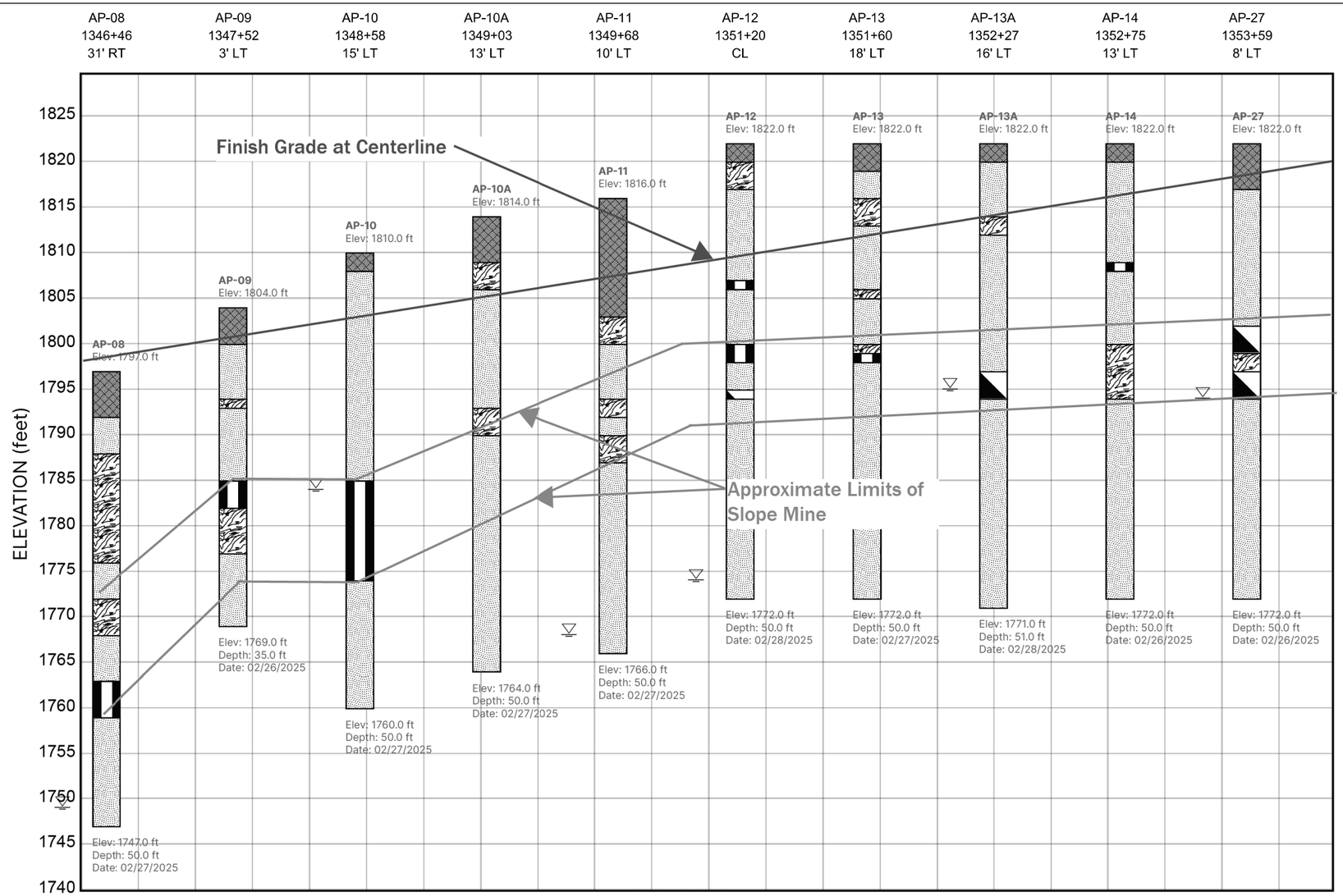
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
SLOPE MINE PROFILE

STA. 1353+00
SCALE: N.T.S.

$$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2020	18008-1218-14	G44



SPACED EVENLY

SR-28 CENTERLINE PROFILE

STATION 1346+00 TO STATION 1353+50

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'

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

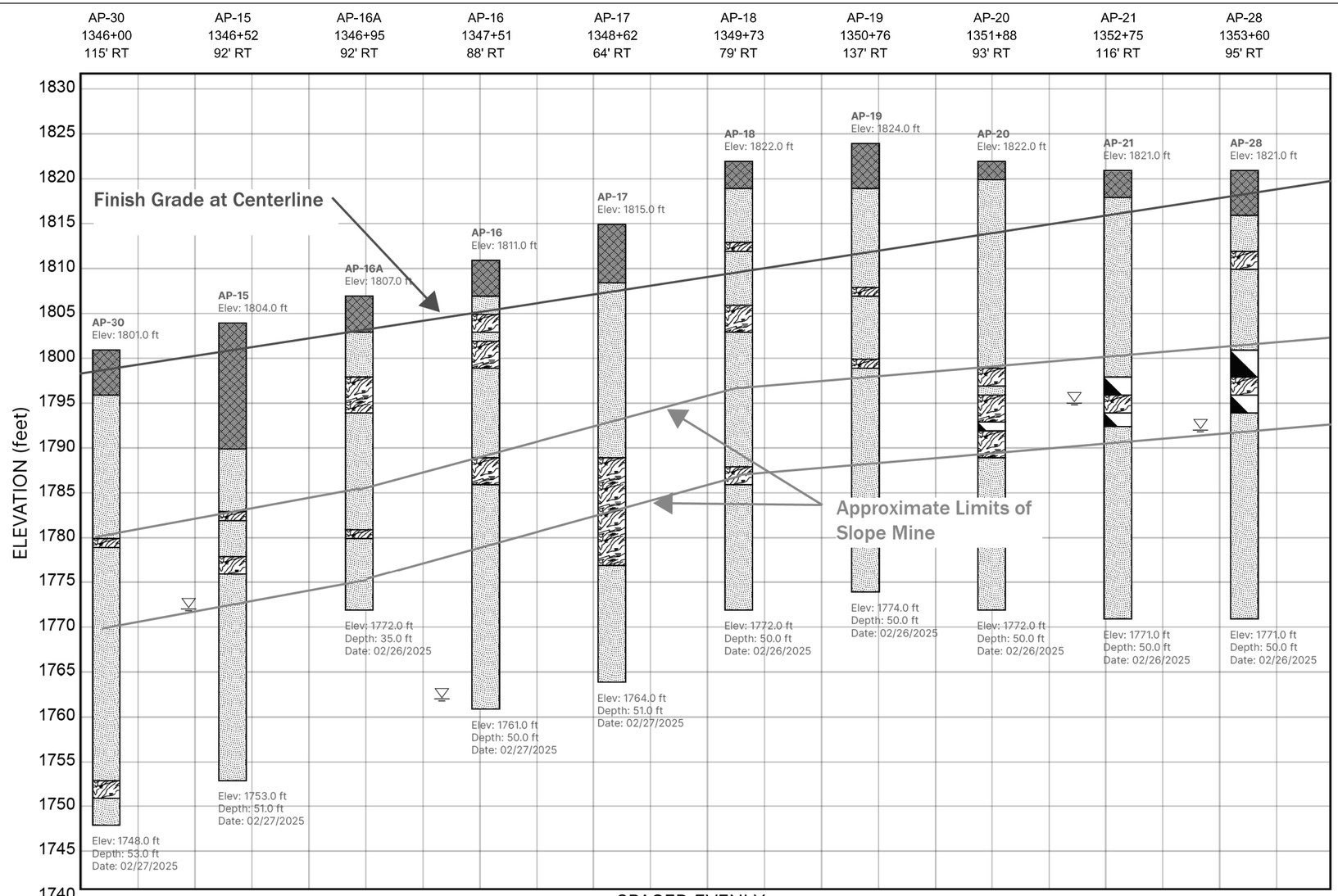
GEOTECHNICAL

SLOPE MINE PROFILE

CENTERLINE
STA. 1346+00 TO STA. 1353+00
SCALE: N.T.S.

$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2020	18008-1218-14	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.
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SEALED BY

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GEOTECHNICAL

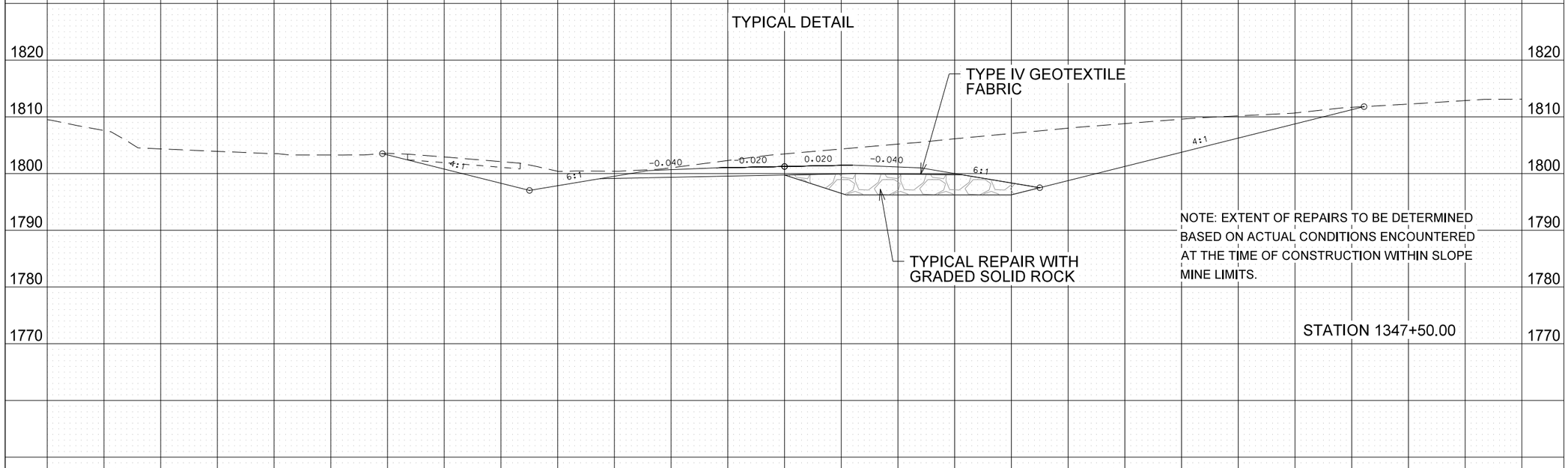
SLOPE MINE PROFILE

100' RT OF CENTERLINE
STA. 1346+00 TO STA. 1353+00
SCALE: N.T.S.

$$$$SYTIME$$$$$$
$$$DGNSPEC$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	18008-1218-14	G46

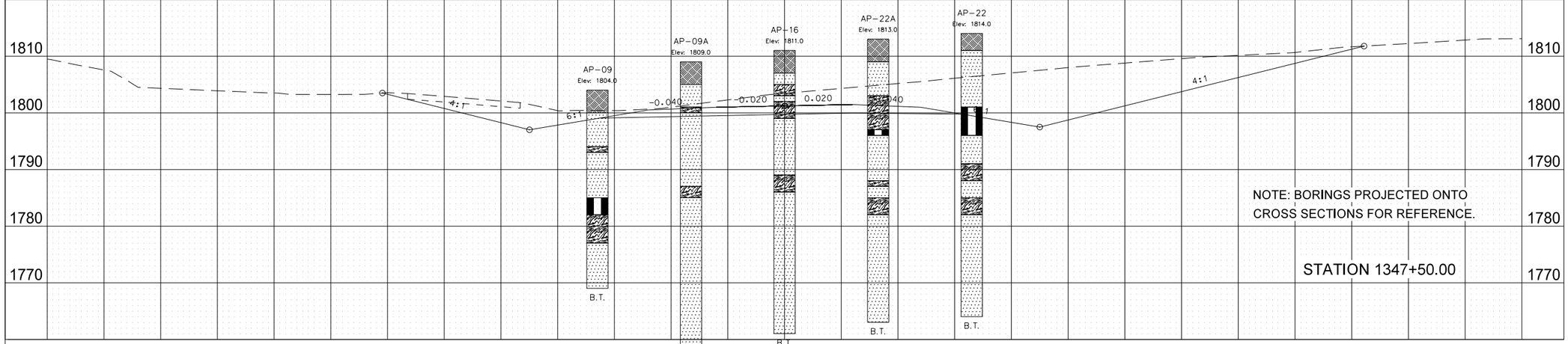
TYPICAL DETAIL



NOTE: EXTENT OF REPAIRS TO BE DETERMINED BASED ON ACTUAL CONDITIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION WITHIN SLOPE MINE LIMITS.

STATION 1347+50.00

REPRESENTATIVE OF STATION 1347+50.00



NOTE: BORINGS PROJECTED ONTO CROSS SECTIONS FOR REFERENCE.

STATION 1347+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)
- 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

SEALED BY

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL GENERALIZED SLOPE MINE DETAIL

SCALE: 1"=10'

$$$$SYTIME$$$$$$$$
$$$$DGNSPEC$$$$$$$$