TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

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3G-3I	ACQUISITION TABLES
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

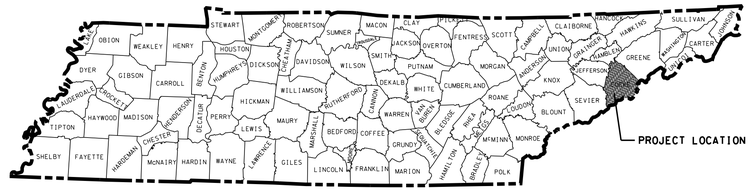
COCKE COUNTY

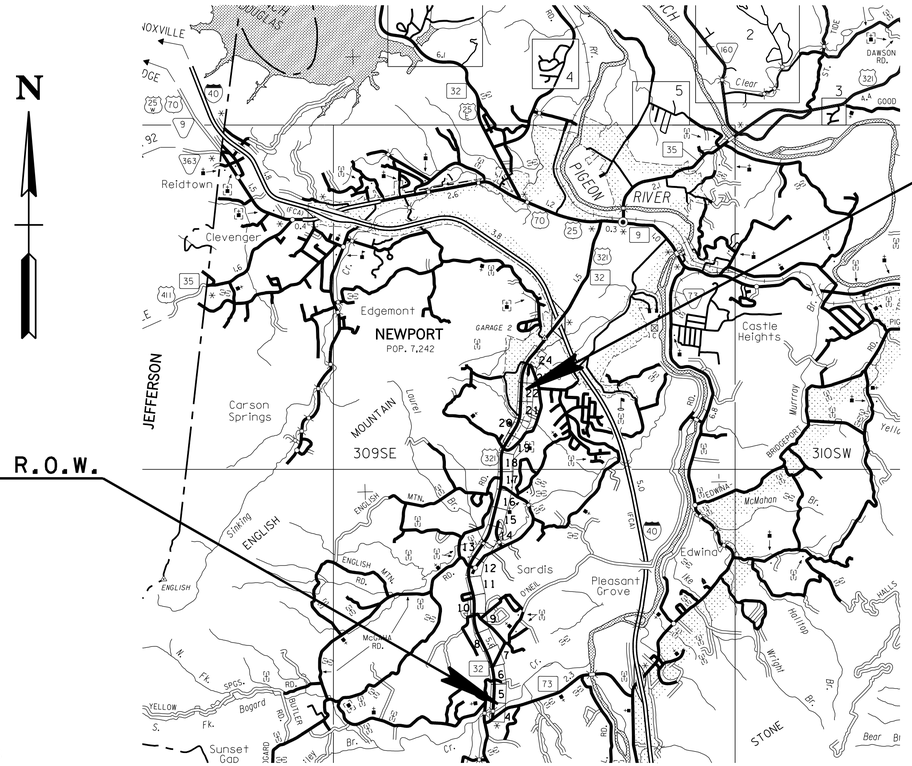
TENN.	YEAR	SHEET NO.
	2013	1
FED. AID PROJ. NO.	HPP/STP-32(57)	
STATE PROJ. NO.	15005-2262-14	

S.R. 32 (U.S. 321)
FROM: S.R. 73 (WILTON SPRINGS RD.) (LM 17.95)
TO: ½ MILE SOUTH OF I-40 (LM 23.10)
IN NEWPORT

RIGHT-OF-WAY

STATE HIGHWAY NO. 32 F.A.H.S. NO. 32





SCALE: 1"= 1 MILE

15005-2262-14
END PROJ. NO. HPP/STP-32(57) R.O.W.
STA. 342+50.00

15005-2262-14
BEGIN PROJ. NO. HPP/STP-32(57) R.O.W.
STA. 112+25.00

R.O.W. LENGTH 4.361 MILES

NO EXCLUSIONS
NO EQUATIONS

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

APPROVED: Paul D. Degges
PAUL D. DEGGES, CHIEF ENGINEER

DATE:

APPROVED:
JOHN SCHROER, COMMISSIONER

SURVEY DATE: JULY 23, 2008
REVISED: MARCH 8, 2010
REVISED: OCTOBER 13, 2010
REVISED: JULY 12, 2012

TRAFFIC DATA	
ADT (2012)	9000
ADT (2032)	15140
DHV (2032)	1363
D	60 - 40
T (ADT)	2 %
T (DHV)	3 %
V	60 MPH

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR DATE

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 MARCH 1, 2006 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT ASSISTANT DIRECTOR DESIGN DIVISION FREDERICK MILLER, PE

DESIGNED BY FLORENCE & HUTCHESON

DESIGNER TERESA S. SNOW CHECKED BY BRIAN TROTTER, PE

P.E. NO. 15005-1238-14

PIN NO. 107349.00

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

See Sheet IA for
Index Of Sheets

TENN.	YEAR	SHEET NO.
	2015	1
FED. AID PROJ. NO.	HPP/STP-32(57)	
STATE PROJ. NO.	15005-3262-14	

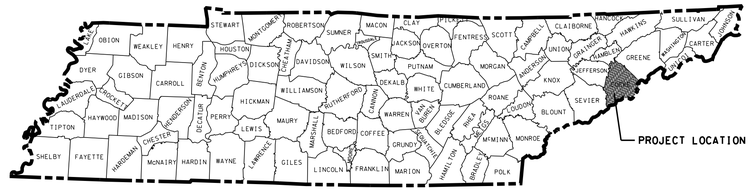
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

COCKE COUNTY

S.R. 32 (U.S. 321)
FROM: S.R. 73 (WILTON SPRINGS RD.) (LM 17.95)
TO: ½ MILE SOUTH OF I-40 (LM 23.10)
IN NEWPORT

CONSTRUCTION

STATE HIGHWAY NO. 32 F.A.H.S. NO. 32



SCALE: 1"= 1 MILE

15005-3262-14
END PROJ. NO. HPP/STP-32(57) CONST.
STA. 372+64.07

15005-3262-14
BEGIN PROJ. NO. HPP/STP-32(57) CONST.
STA. 107+95.08

NO EXCLUSIONS
NO EQUATIONS

ROADWAY LENGTH	5.013 MILES
BRIDGE LENGTH	0.000 MILES
• BOX BRIDGE LENGTH	0.009 MILES
PROJECT LENGTH	5.013 MILES

• NOT INCLUDED IN THE PROJECT LENGTH

SEALED BY
Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

APPROVED: Paul D. Degges
PAUL D. DEGGES, CHIEF ENGINEER

DATE:

APPROVED:
JOHN SCHROER, 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 MARCH 1, 2006 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT ASSISTANT DIRECTOR DESIGN DIVISION FREDERICK MILLER, PE

DESIGNED BY FLORENCE & HUTCHESON

DESIGNER BRIAN TROTTER, P.E. CHECKED BY DAVID HORNE, P.E.

P.E. NO. 15005-1238-14

PIN NO. 107349.00

SURVEY DATE: JULY 23, 2008
REVISED: MARCH 8, 2010
REVISED: OCTOBER 13, 2010
REVISED: JULY 12, 2012
REVISED: JANUARY 6, 2015

TRAFFIC DATA	
ADT (2015)	9735
ADT (2034)	16376
DHV (2034)	1475
D	60 - 40
T (ADT)	2 %
T (DHV)	3 %
V	60 MPH

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR DATE

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	1A

INDEX

SHEET NAME	SHEET NO.
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EPSC PLANS – FINAL STABILIZATION PHASE	52 -52T
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STORM WATER POLLUTION PREVENTION PLAN (SWPPP)	S-1

STANDARD ROADWAY DRAWINGS

STANDARD BRIDGE DRAWINGS

BOX CULVERT STANDARD DRAWINGS (LRFD)

DWG. NO	REV.	DESCRIPTION
STD-17-1		INDEX OF DRAWINGS
STD-17-2		TERMINOLOGY
STD-17-3		GENERAL NOTES
STD-17-4		DESIGN SECTION LIMITS
STD-17-5		TYPICAL SECTION AND DETAILS
STD-17-6		TYPICAL ELEVATIONS.
STD-17-7		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-17-15		WINGWALL & SPECIAL RETAINING WALL DESIGN SECTION
STD-17-16		WINGWALL DESIGN SECTION
STD-17-17	06-01-11	BACKFILL AND DRAINAGE DETAILS
STD-17-18		BACKFILL DETAILS
STD-17-23		SIDEWALK AND MISCELLANEOUS DETAILS
STD-17-24		WARPED SLOPE DETAIL
STD-17-26		EXTENSION DETAILS
STD-17-28		END SECTION DETAILS
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
STD-17-103		BOX BRIDGE, 3 BARRELS AT 16', CLEAR HTS. 9'-12',0-60' FILL

ROADWAY DESIGN STANDARDS

DWG. NO	REV.	DESCRIPTION
RD-A-1	12-18-99	STANDARD ABBREVIATIONS
RD-L-1	10-26-94	STANDARD LEGEND
RD-L-2	09-05-01	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-3	04-15-04	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-4	04-15-04	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-5	05-01-08	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	03-30-10	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-7	05-24-12	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-UD-3	09-05-96	UNDERDRAIN DETAILS
RD-UD-4	05-27-01	UNDERDRAIN LATERAL DETAILS
RD-UD-6	12-18-94	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 1:1 AND 2:1 SLOPES
RD-UD-7	12-18-94	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 3:1 AND 4:1 SLOPES
RD-UD-8		LATERAL UNDERDRAIN ENDWALL DETAIL FOR 5:1 SLOPES
RD-UD-9	12-18-94	LATERAL UNDERDRAIN ENDWALL FOR 6:1 SLOPES
RD01-S-11	04-04-03	DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD01-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD01-SD-1		INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES
RD01-SD-2		INTERSECTION SIGHT DISTANCE LANDSCAPE AND OBSTRUCTION
RD01-SD-3		INTERSECTION SIGHT DISTANCE 2-LANE ROADWAYS
RD01-SD-4		INTERSECTION SIGHT DISTANCE 5-LANE AND 4-LANE UNDIVIDED ROADWAYS
RD01-SD-5		INTERSECTION SIGHT DISTANCE 4-LANE DIVIDED HIGHWAYS
RD01-SE-3	10-15-02	RURAL SUPERELEVATION DETAILS
RD01-TS-1	10-15-02	DESIGN STANDARDS FOR LOCAL ROADS AND STREETS
RD01-TS-2	10-15-02	DESIGN STANDARDS FOR COLLECTOR ROADS AND STREETS
RD01-TS-3A	10-15-02	DESIGN STANDARDS 4 AND 6 LANE ARTERIAL HIGHWAYS WITH DEPRESSED MEDIANS
RD01-TS-3C	10-15-02	DESIGN STANDARDS 4 AND 6 LANE ARTERIAL HIGHWAYS WITH FLUSH MEDIANS
RD01-TS-6A	07-31-13	TYPICAL CURB AND GUTTER SECTIONS WITHOUT SHOULDER

DRAINAGE - CULVERTS AND ENDWALL

D-PB-1	01-02-13	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PB-2	01-29-14	STANDARD DETAILS FOR FLEXIBLE PIPE INSTALLATION
D-PB-3		INDUCED TRENCH SOIL EMBANKMENT FOR PIPE CULVERT INSTALLATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INDEX AND STANDARD DRAWINGS

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	18

STANDARD ROADWAY DRAWINGS

DWG. NO	REV.	DESCRIPTION
DRAINAGE-CULVERTS AND ENDWALL		
D-PE-4	01-15-13	STRAIGHT CONCRETE ENDWALL
D-PE-9	04-25-90	CONCRETE ENDWALLS TYPE “B” (FOR ROUND & SIDE TAPERED INLETS, PIPE SIZES 15” TO 78”, ALL SKEWS, 2:1 AND 4:1 SLOPES)1976
D-PE-9A	10-25-82	GENERAL DIMENSION QUANTITIES ROUND PIPE CONCRETE ENDWALLS TYPE”B” (PIPE SIZES 15” TO 78”, ALL SKEWS, 2:1 AND 4:1 SLOPES)1976
D-PE-18A	06-14-13	18” CONCRETE ENDWALL CROSS DRAIN
D-PE-18B		18” CONCRETE ENDWALL CROSS DRAIN
D-PE-24A	06-14-13	24” CONCRETE ENDWALL CROSS DRAIN
D-PE-24B		24” CONCRETE ENDWALL CROSS DRAIN
D-PE-30A	06-14-13	30” CONCRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-30B		30” CONCRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-36A	06-14-13	36” CONCRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-36B		36” CONCRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-42A	06-14-13	42” CONCRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-42B		42” CONCRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-48A	06-14-13	48” CONCRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-48B		48” CONCRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-99	11-01-13	PIPE GRATE AND SKEWED CONNECTION DETAILS FOR “U” ENDWALLS
D-PG-3	04-15-97	FERROUS AND ALUMINUM CORRUGATED METAL PIPE
D-PS-1	03-15-76	STRUTTING DETAILS FOR CORR. METAL & STRUCTURAL PLATE ROUND PIPE
D-SEW-1A	06-14-13	SIDE DRAIN CONCRETE ENDWALL WITH STEEL PIPE GRATE
DRAINAGE-CATCH BASINS AND MANHOLES		
D-CB-38RB	03-11-14	STANDARD PRECAST CIRCULAR NO. 38 CATCH BASIN
D-CB-38S	08-01-12	STANDARD 32" X 32" SQUARE CONCRETE NO. 38 CATCH BASIN
D-CB-38SB	03-11-14	STANDARD 4' X 4' SQUARE CONCRETE NO. 38 CATCH BASIN
D-CB-38SC	03-11-14	STANDARD 5'2" X 5'2" SQUARE CONCRETE NO. 38 CATCH BASIN
D-CB-39RB	03-11-14	STANDARD PRECAST CIRCULAR NO. 39 CATCH BASIN
D-CB-39S	08-01-12	STANDARD 4' X 4' SQUARE CONCRETE NO. 39 CATCH BASIN
D-CB-39SC	03-11-14	STANDARD 5'2" X 5'2" SQUARE CONCRETE NO. 39 CATCH BASIN
D-CB-39SD	03-11-14	STANDARD 7' X 7' SQUARE CONCRETE NO. 39 CATCH BASIN
D-CB-39SE	03-11-14	STANDARD 9' X 9' SQUARE CONCRETE NO. 39 CATCH BASIN
D-CB-42RB	03-11-14	STANDARD PRECAST CIRCULAR NO. 42 CATCH BASIN

DWG. NO	REV.	DESCRIPTION
D-CB-42S	08-01-12	STANDARD 32" X 32" SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-42SB	03-11-14	STANDARD 4' X 4' SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-42SC	03-11-14	STANDARD 5'2" X 5'2" SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-42SD	03-11-14	STANDARD 7' X 7' SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-99	06-07-13	MISCELLANEOUS DETAILS FOR RECTANGULAR STRUCTURES
D-CB-99R	03-11-14	MISCELLANEOUS DETAILS FOR ROUND STRUCTURES
D-CB-99RA	03-11-14	BILL OF STEEL FOR ROUND CATCH BASINS
D-CBB-42	05-27-01	CAST IRON GRATE DETAILS FOR NOS. 42, 43 & 44 TYPE CATCH BASINS
D-JBS-2	08-01-12	STANDARD 4' X 4' SQUARE CONCRETE NO. 2 JUNCTION BOX
D-JBS-3	08-01-12	STANDARD 5'2" X 5'2" SQUARE CONCRETE NO. 3 JUNCTION BOX
D-MH-2	08-01-12	STANDARD MASONRY & PRECAST NO. 3 MANHOLE
D-MH-3	04-21-14	STANDARD PRECAST CIRCULAR LID DETAILS FOR NO. 3 MANHOLE
D-MH-4	08-01-12	STANDARD NO. 3 MANHOLE CASTINGS AND STEPS
D-MH-5	04-01-14	STANDARD 5’2”X5’2” SQUARE CONCRETE NO. 3 MANHOLE
D-RF-1		STANDARD PRECAST RISER
ROADWAY AND PAVEMENT APPURTENANCES		
RP-DHO-1	10-26-93	MEDIAN OPENINGS ON 4-LANE DIVIDED HIGHWAY
RP-I-5	12-18-96	EXAMPLES OF STREET AND ALLEY INTERSECTIONS
RP-NMC-11	02-28-02	STANDARD VERTICAL (NONMOUNTABLE) CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS
RP-R-1	05-27-01	STANDARD RAMPS TO SIDE ROADS
SAFETY APPURTENANCES AND FENCE		
S-F-1	05-24-12	HIGH VISIBILITY FENCE
S-RP-2	01-19-99	STANDARD CONCRETE RIGHT-OF-WAY MARKERS
S-CZ-1		CLEAR ZONE CRITERIA
S-PL-1		SAFETY PLAN AT ROADSIDE HAZARDS
S-PL-2		SAFETY PLAN AT SIDE ROADS OR PRIVATE DRIVES
S-PL-3		SAFETY PLANS MINIMUM INSTALLATION AT BRIDGE ENDS
S-PL-6		SAFETY PLAN SAFETY HARDWARE PLACEMENT
S-GR31-1		W-BEAM GUARDRAIL
S-GRS-1		SPECIAL CASE: LONG SPAN GUARDRAIL, ONE SPAN OMITTED
S-GRS-3		SPECIAL CASE GUARDRAIL FOOTING
S-GRT-2		TYPE 38 GUARDRAIL TERMINAL
S-GRT-2R		EARTH PAD FOR TYPE 38 (RETROFIT)
S-GRT-2P		EARTH PAD FOR TYPE 38 TERMINAL
S-GRT-3		TYPE 21 GUARDRAIL TERMINAL
S-GRT-3D		TYPE 21 GUARDRAIL TERMINAL (DETAILS)
S-GRT-3P		EARTH PAD FOR TYPE 21 TERMINAL

DWG. NO	REV.	DESCRIPTION
S-GRT-4		TYPE 13 GUARDRAIL TERMINAL (TRAILING END)
S-GRA-3		GUARDRAIL ANCHOR FOR TYPE 21, 13 AND IN-LINE TERMINALS
TRAFFIC CONTROL APPURTENANCES		
T-FAB-1	05-27-97	FLASHING YELLOW ARROW BOARD
T-M-1	11-01-11	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	01-15-13	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-4	11-01-11	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-15A	11-01-11	ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR NON-ACCESS CONTROLLED ROUTES
T-PBR-1	06-30-09	INTERCONNECTED PORTABLE BARRIER RAIL
T-PBR-2	11-01-11	DETAIL FOR VERTICAL PANELS AND FLEXIBLE DELINEATORS
T-S-7	02-12-91	HIGHWAY SHIELDS USED ON INTERSTATE AND U.S. NUMBERED ROUTES
T-S-9	11-01-11	STANDARD LAYOUT – GROUND MOUNTED SIGNS
T-S-10	04-04-12	STANDARD MOUNTING DETAILS FLAT SHEET SIGNS ALUMINUM-STEEL DESIGN
T-S-11	06-06-11	DELINEATOR AND MILEPOST DETAILS
T-S-16	11-01-11	GROUND MOUNTED ROADSIDE SIGN AND DETAILS
T-S-17	07-19-13	STANDARD GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-19	07-19-13	STANDARD STEEL SIGN SUPPORTS
T-S-23A	07-19-13	MULTI-DIRECTIONAL SLIP BASE BREAKAWAY SQUARE TUB SIGN SUPPORT
T-SG-2	07-29-04	LOOP LEAD-INS, CONDUIT AND PULL BOXES
T-SG-3	11-11-04	STANDARD NOTES AND DETAILS OF INDUCTIVE LOOPS
T-SG-3A		ALTERNATE DETECTION DETAILS
T-SG-4		SPAN WIRE AND MESSENGER CABLE DETAILS
T-SG-5	12-04-13	CONTROLLER CABINET DETAILS
T-SG-7	11-01-11	SIGNAL HEAD ASSEMBLIES AND PEDESTRIAN PUSH BUTTON SIGNS
T-SG-7A	11-01-11	TYPICAL SIGNAL HEAD PLACEMENT
T-SG-8	12-04-13	STRAIN POLE DETAILS FOR SPAN MOUNTED SIGNALS
T-SG-9A	12-04-13	MISCELLANEOUS SIGNAL DETAILS
T-SG-10	12-04-13	MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILS
T-SG-11	07-29-04	MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTION
T-SG-12	11-01-11	TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-11	03-13-09	ONE LANE CLOSURE DETAIL ON DIVIDED HIGHWAYS
T-WZ-18	03-13-09	SHOULDER CLOSURE DETAIL FOR FREEWAYS AND DIVIDED HIGHWAYS

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD DRAWINGS

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	1C

STANDARD ROADWAY DRAWINGS

DWG. NO	REV.	DESCRIPTION
EROSION PREVENTION AND SEDIMENT CONTROL		
EC-STR-2	08-01-12	SEDIMENT FILTER BAG
EC-STR-3B	08-01-12	SILT FENCE
EC-STR-3C	08-01-12	SILT FENCE WITH WIRE BACKING
EC-STR-3E	04-01-08	SILT FENCE FABRIC JOINING DETAILS
EC-STR-6	08-01-12	ROCK CHECK DAM
EC-STR-6A	08-01-12	ENHANCED ROCK CHECK DAM
EC-STR-7	08-01-12	SEDIMENT TRAP WITH CHECK DAM
EC-STR-11	08-01-12	CULVERT PROTECTION TYPE 1
EC-STR-12	08-01-12	ROCK SEDIMENT DAM
EC-STR-19	04-01-08	CATCH BASIN PROTECTION
EC-STR-25	08-01-12	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
EC-STR-27	08-01-12	TEMPORARY SLOPE DRAIN AND BERM
EC-STR-31	08-01-12	TEMPORARY DIVERSION CHANNELS
EC-STR-31A	04-01-08	TEMPORARY DIVERSION CHANNEL DESIGN
EC-STR-32	08-01-12	TEMPORARY DIVERSION CULVERTS
EC-STR-33	08-01-12	SUSPENDED PIPE DIVERSION (DOWNSTREAM)
EC-STR-33A	08-01-12	SUSPENDED PIPE DIVERSION (UPSTREAM)
EC-STR-34	08-01-12	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION
EC-STR-37	08-01-12	SEDIMENT TUBE
EC-STR-42		CATCH BASIN FILTER ASSEMBLY (TYPE 2)
EC-STR-42A		CATCH BASIN FILTER ASSEMBLY (TYPE 2) SLIPCOVER DETAILS

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STANDARD DRAWINGS

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	2

ESTIMATED BOX BRIDGE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
604-02.01	CLASS A CONCRETE (BOX BRIDGES)	C.Y.	297
604-02.02	STEEL BAR REINFORCEMENT (BOX BRIDGES)	LB.	56636

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SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
NO. 104519
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	2A

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	201-01	CLEARING AND GRUBBING	LS	1
(16)	202-01	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
(1)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	790584
	203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	26416
	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	29821
	203-06	WATER	M.G.	1108
(15)	203-08	CHANNEL EXCAVATION (UNCLASSIFIED)	C.Y.	912
	204-08	FOUNDATION FILL MATERIAL	C.Y.	149
(2)	204-08.01	BACKFILL MATERIAL (FLOWABLE FILL)	C.Y.	8
(3)	209-02.05	12" TEMPORARY SLOPE DRAIN	L.F.	3205
(3)	209-05	SEDIMENT REMOVAL	C.Y.	1950
(24)	209-06.05	BALED HAY OR STRAW	BALE	1000
(3)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	15773
(3)	209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	5733
(3)	209-08.07	ROCK CHECK DAM	EACH	924
(3)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	80
(3)	209-09.01	SANDBAGS	BAG	1020
(3)	209-09.03	SEDIMENT FILTER BAG (15' X 15')	EACH	5
(3)	209-09.04	SEDIMENT FILTER BAG(15' X 10')	EACH	5
(3)	209-10.20	TEMPORARY SEDIMENT TRAP	C.Y.	560
(3)	209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.	105
(3)	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	46
(3)	209-40.42	CATCH BASIN FILTER ASSEMBLY(TYPE 2)	EACH	34
(3)	209-65.03	TEMPORARY DIVERSION CHANNEL	L.F.	60
	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	107042
	303-01.01	GRANULAR BACKFILL (ROADWAY)	TON	1429
(3)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	1545
	307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	15066
	307-01.02	ASPHALT CEMENT (PG64-22) (BPMB-HM) GRADING A-S	TON	370
	307-01.03	AGGREGATE (BPMB-HM) GRADING A-S MIX	TON	11009
	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	10759
	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	202
	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	798
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	32
	411-01.10	ACS MIX(PG64-22) GRADING D	TON	13630
	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER	TON	3166
	411-12.03	SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (8IN WIDTH)	L.M.	13.6
	415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	77166
	604-01.01	CLASS A CONCRETE (ROADWAY)	C.Y.	144
	604-01.02	STEEL BAR REINFORCEMENT (ROADWAY)	LB.	32284
	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	2300
	607-06.05	18" CONCRETE PIPE CULVERT (CLASS IV) JACKED-IN-PLACE	L.F.	88
	607-05.02	24" CONCRETE PIPE CULVERT (CLASS III)	L.F.	158
	607-05.30	24" PIPE CULVERT	L.F.	324
	607-06.02	30" CONCRETE PIPE CULVERT (CLASS III)	L.F.	55
	607-07.02	36" CONCRETE PIPE CULVERT (CLASS III)	L.F.	28

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	607-08.30	42" PIPE CULVERT	L.F.	35
	607-09.30	48" PIPE CULVERT	L.F.	40
	607-20.02	24" CROSSDRAIN PIPE CULVERT(COLLECTORS & LOCAL ROADS)	L.F.	312
	607-37.03	24" CORRUGATED METAL PIPE CULVERT	L.F.	56
	607-37.04	30" CORRUGATED METAL PIPE CULVERT	L.F.	153
	607-37.05	36" CORRUGATED METAL PIPE CULVERT	L.F.	29
	607-37.06	42" CORRUGATED METAL PIPE CULVERT	L.F.	35
	607-39.02	18" PIPE CULVERT (SIDE DRAIN)	L.F.	433
	607-39.03	24" PIPE CULVERT (SIDE DRAIN)	L.F.	308
	607-39.04	30" PIPE CULVERT (SIDE DRAIN)	L.F.	126
	607-39.06	42" PIPE CULVERT (SIDE DRAIN)	L.F.	97
	607-39.07	48" PIPE CULVERT (SIDE DRAIN)	L.F.	20
	611-01.07	MANHOLES, >24' - 28' DEPTH	EACH	1
	611-02.11	JUNCTION BOX TYPE 2	EACH	4
	611-02.12	JUNCTION BOX TYPE 3	EACH	1
	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	70
	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB.	2594
	611-07.03	STRUCTURAL STEEL (PIPE ENDWALLS)	LB.	2906
	611-07.54	18IN ENDWALL (CROSS DRAIN) 3:1	EACH	2
	611-07.55	18IN ENDWALL (CROSS DRAIN) 4:1	EACH	5
	611-07.56	18IN ENDWALL (CROSS DRAIN) 6:1	EACH	9
	611-07.57	24IN ENDWALL (CROSS DRAIN) 3:1	EACH	1
	611-07.59	24IN ENDWALL (CROSS DRAIN) 6:1	EACH	9
(20)	611-09.03	CAPPING EXISTING CATCHBASIN	EACH	1
	611-14.02	CATCH BASINS, TYPE 14, >4'-8' DEPTH	EACH	2
	611-38.01	CATCH BASINS, TYPE 38, 0' - 4' DEPTH	EACH	5
	611-38.02	CATCH BASINS, TYPE 38, > 4' - 8' DEPTH	EACH	6
	611-38.03	CATCH BASINS, TYPE 38, > 8' - 12' DEPTH	EACH	4
	611-38.04	CATCH BASINS, TYPE 38, > 12' - 16' DEPTH	EACH	1
	611-38.05	CATCH BASINS, TYPE 38, > 16' - 20' DEPTH	EACH	2
	611-39.01	CATCH BASINS, TYPE 39, 0' - 4' DEPTH	EACH	15
	611-42.01	CATCH BASINS, TYPE 42, 0' - 4' DEPTH	EACH	1
	621-03.02	18" TEMPORARY DRAINAGE PIPE	L.F.	311
	621-03.03	24" TEMPORARY DRAINAGE PIPE	L.F.	447
	621-03.04	30" TEMPORARY DRAINAGE PIPE	L.F.	488
	621-03.05	36" TEMPORARY DRAINAGE PIPE	L.F.	237
	621-03.06	42" TEMPORARY DRAINAGE PIPE	L.F.	351
	621-03.07	48" TEMPORARY DRAINAGE PIPE	L.F.	154

NOTE: SEE SHEET 2A2 FOR ALL FOOTNOTES

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ESTIMATED ROADWAY QUANTITIES

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	2A1

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	702-03	CONCRETE COMBINED CURB & GUTTER	C.Y.	27
(6)	703-01	CEMENT CONCRETE DITCH PAVING	C.Y.	10
	705-01.01	GUARDRAIL AT BRIDGE ENDS	L.F.	54
	705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	18110
	705-04.03	GUARDRAIL TERMINAL (TYPE 13)	EACH	22
	705-04.04	GUARDRAIL TERMINAL (TYPE 21)	EACH	5
	705-04.05	GUARDRAIL TERMINAL (TYPE-IN-LINE)	EACH	44
	705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	23
(7)	705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	2
	706-01	GUARDRAIL REMOVED	L.F.	15069
(3)	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	11520
	708-02.01	MARKERS (CONCRETE R.O.W. POSTS)	EACH	7
	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	1001
(8)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	3397
(9)	709-05.08	MACHINED RIP-RAP (CLASS B)	TON	7605
(10)	709-05.09	MACHINED RIP-RAP (CLASS C)	TON	1932
	710-02	AGGREGATE UNDERDRAINS (WITH PIPE)	L.F.	26315
	710-05	LATERAL UNDERDRAIN	L.F.	3433
	710-06.10	LATERAL UNDERDRAIN ENDWALL (1:1)	EACH	1
	710-06.11	LATERAL UNDERDRAIN ENDWALL (2:1)	EACH	15
	710-06.12	LATERAL UNDERDRAIN ENDWALL (3:1)	EACH	4
	710-06.13	LATERAL UNDERDRAIN ENDWALL (4:1)	EACH	13
	710-06.14	LATERAL UNDERDRAIN ENDWALL (5:1)	EACH	1
	710-06.15	LATERAL UNDERDRAIN ENDWALL (6:1)	EACH	106
	712-01	TRAFFIC CONTROL	LS	1
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	500
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	464
	712-04.50	PORTABLE BARRIER RAIL DELINEATOR	EACH	26
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	2
	712-05.03	WARNING LIGHTS (TYPE C)	EACH	5
	712-06	SIGNS (CONSTRUCTION)	S.F.	1043
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	936
	712-08.03	ARROW BOARD (TYPE C)	EACH	2
(21)	713-02.15	FLEXIBLE DELINEATOR (YELLOW)	EACH	38
	713-11.01	"U" SECTION STEEL POSTS	LB.	1459
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	8409
	713-11.21	P POST SLIP BASE	EACH	19
	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	1391
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	1292
(22)	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	2
(23)	713-16.41	RELOCATE SIGN	LS	1

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	716-01.21	Snwplwble Pvmt Mrkrs (Bi-Dir)(1 Color)	EACH	125
	716-01.22	Snwplwble Pvmt Mrkrs (Mono-Dir)(1 Color)	EACH	11
	716-01.23	Snwplwble Pvmt Mrkrs (Bi-Dir)(2 Color)	EACH	660
(12)	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	9
(12)	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	335
(12)	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	22
(12)	716-04.02	PLASTIC PAVEMENT MARKING(DOUBLE TURNING ARROW)	EACH	1
(12)	716-04.14	PLASTIC PAVEMENT MARKING (LANE REDUCTION ARROW)	EACH	2
	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	1.5
(13)	716-05.05	PAINTED PAVEMENT MARKING (STOP LINE)	L.F.	385
(13)	716-05.06	PAINTED PAVEMENT MARKING (TURN LANE ARROW)	EACH	7
(13)	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	14.7
	716-12.01	ENHANCED FLATLINE THERMO PVMT MRKNG (4IN LINE)	L.M.	22.9
	717-01	MOBILIZATION	L.S.	1
	730-01.02	REMOVAL OF SIGNAL EQUIPMENT	EACH	1
	730-02.07	SIGNAL HEAD ASSEMBLY (130)	EACH	6
	730-02.18	SIGNAL HEAD ASSEMBLY (150 A2V)	EACH	3
	730-03.20	INSTALL PULL BOX (TYPE A)	EACH	10
(18)	730-05.01	ELECTRICAL SERVICE CONNECTION	EACH	1
	730-05.02	SERVICE CABLE (2 CONDUCTOR, #8 AWG)	L.F.	104
	730-08.03	SIGNAL CABLE - 7 CONDUCTOR	L.F.	800
	730-09.01	SPAN WIRE ASSEMBLY(22,000 LBS.MIN.BRK STRENGTH)	L.F.	555
	730-10.01	TETHER WIRE ASSEMBLY - 1/4" DIAMETER	L.F.	555
	730-12.01	CONDUIT 1" DIAMETER (PVC)	L.F.	900
	730-12.02	CONDUIT 2" DIAMETER (PVC)	L.F.	20
	730-13.01	VEHICLE LOOP DETECTOR (SHELF MOUNT)	EACH	5
	730-14.01	SHIELDED DETECTOR CABLE	L.F.	3350
	730-14.02	SAW SLOT	L.F.	1154
	730-14.03	LOOP WIRE	L.F.	3100
	730-15.32	CABINET (EIGHT PHASE BASE MOUNTED)	EACH	1
	730-16.02	EIGHT PHASE ACTUATED CONTROLLER	EACH	1
(19)	730-23.01	STEEL STRAIN POLE (SIGNAL SUPPORT)	EACH	4
(3)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	8090
(11)	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	10648
(3)	740-11.02	TEMPORARY SEDIMENT TUBE 12IN (EROSION CONTROL)	L.F.	35726
(3)	740-11.03	TEMPORARY SEDIMENT TUBE 18IN (EROSION CONTROL)	L.F.	62082
(3)	740-11.05	TEMPORARY SEDIMENT TUBE 24IN (EROSION CONTROL)	L.F.	9729
(25)	791-05.31	4IN STEEL CASING PIPE OPEN CUT	L.F.	60
	801-01	SEEDING (WITH MULCH)	UNIT	321
	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	6460
	801-02	SEEDING (WITHOUT MULCH)	UNIT	150
	801-02.01	CROWN VETCH MIXTURE (WITHOUT MULCH)	UNIT	1146
(17)	801-03	WATER (SEEDING & SODDING)	M.G.	1260
(14)	803-01	SODDING (NEW SOD)	S.Y.	45020
	805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.	151737
(4)	806-02.03	PROJECT MOWING	CYCL	4

NOTE: SEE SHEET 2A2 FOR ALL FOOTNOTES

UNOFFICIAL SET

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	2A2

(1) INCLUDES 2184 CY FOR EPSC MEASURES

(2) TO FILL AND ABANDON EXISTING PIPE CULVERT AT ARMORY RD. NO. 1

(3) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT. ALL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.

(4) 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, CYCL.

(5) FOR USE IN INSTALLATION OF TEMPORARY PIPE DIVERSIONS, SEE STD. DWG. EC-STR-33 FOR DETAILS.

(6) SEE SPECIAL DITCH TABULATION ON SHEET 2P FOR CEMENT CONCRETE DITCH PAVING LOCATIONS

(7) THIS ITEM SHALL BE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIREMENTS OF NCHRP 350 FOR TEST LEVEL 3. EXAMPLES WOULD BE A QUAD-GUARD, A REACT 350 OR A TRACC. THE PAY ITEM WILL INCLUDE FURNISHING AND INSTALLING ALL COMPONENTS AS SHOWN ON THE MANUFACTURERS DRAWINGS.

(8) INCLUDES 105 TON FOR SPECIAL DITCHES AND 3292 TON FOR EPSC MEASURES

(9) INCLUDES 5311 TON FOR SPECIAL DITCHES, 2255 TON FOR EPSC MEASURES AND 39 TON FOR OUTLET PROTECTION

(10) INCLDUES 1910 TON FOR SPECIAL DITCHES AND 22 TON FOR OUTLET PROTECTION

(11) INCLUDES 8743 S.Y. FOR DITCH STABILIZATION, SEE SHEET 2P FOR SPECIAL DITCH TABULATION

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

(13) FOR USE AS TEMPORARY TRAFFIC CONTROL MARKING ON INTERMEDIATE LAYERS OF PAVEMENT ONLY.

(14) INCLUDES 39473 S.Y. FOR MEDIAN STABILIZATION AND 5547 S.Y. FOR DITCH STABILIZATION, SEE SHEET 2P FOR SPECIAL DITCH TABULATION

(15) INCLUDES 562 C.Y. FOR BOX BRIDGE STA. 229+98.18 AND 350 C.Y. FOR BOX CULVERT EXTENSIONS

(16) SEE REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHEET 2V FOR TABULATION OF ITEMS AND LOCATIONS

(17) INCLUDES 646 THOUSAND GALLONS FOR TEMPORARY EROSION PREVENTION AND SEDIMENT CONTROL MEASURES

(18) THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE LOCAL UTILITY TO OBTAIN THE ESTIMATE FOR ANY CHARGES BY THE UTILITY FOR PROVIDING ELECTRICAL SERVICE TO THE SIGNAL CONTROLLER.

(19) SEE SHEET 56 FOR LOCATION, ATTACHMENT ELEVATION, MOMENT CAPACITY AND FOOTING DEPTH FOR EACH SUPPORT

(20) EPLEY ROAD STA. 79+02.25 AT 24.96' LT. CAP EXISTING CATCHBASIN

(21) TO BE LOCATED AT ALL MEDIAN OPENINGS

(22) REMOVE FIFTY (50) +/- EXISTING SIGNS WITHIN THE GRADING LIMITS FO THE PROJECT AND SIGNS NO. 1,2,3,6,8,11,12,14, 15,194,209,211,228,297,339,387 & 388 OR AS DIRECTED BY THE ENGINEER

(23) SIGNS NO 261 & 278 TO BE RELOCATED THROUGH ALL PHASES OF CONSTRUCTION AND NEW SUPPORTS AT FINAL PROPOSED LOCATION

(24) FOR USE AS TEMPORARY MULCH WHERE AND AS DIRECTED BY THE ENGINEER

(25) FOR USE AS EXTENSION OF EXISTING 4" STEEL CASING FOR FUTURE WATER LINE NEAR STA. 259+00, SEE SHEETS 16/16A

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DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	2B

ESTIMATED UTILITY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	15005-3262-14 QUANTITY
790-02.01	POLE 35FT CLASS 2 WOOD	EACH	1
790-03.01	POLE 40FT CLASS 2 WOOD	EACH	1
790-04.02	POLE 45FT CLASS 2 WOOD	EACH	9
790-05.01	POLE 50FT CLASS 1 WOOD	EACH	11
790-05.02	POLE 50FT CLASS 2 WOOD	EACH	2
790-06.07	POLE 55FT CLASS H1 METAL	EACH	4
790-07.01	POLE 60FT CLASS 1 WOOD	EACH	1
790-21.05	1 Ø DBL PRIMARY SUPPORT 15KV	EACH	3
790-21.07	1Ø PRIMARY LG ANGLE 15KV	EACH	1
790-21.09	1Ø PRIMARY TAP 15KV	EACH	10
790-21.10	1Ø VERTICAL DDE 15KV	EACH	1
790-25.02	3Ø NARROW PROFILE SGL 15KV	EACH	15
790-25.10	3Ø CROSSARM DBL DBL PRIM SUPPORT 15KV	EACH	1
790-25.13	3Ø NARROW PROFILE DBL SUPPORT 15KV	EACH	2
790-25.22	3Ø XARM DEADEND SGL NARROW PROFILE 15KV	EACH	7
790-25.25	3Ø CROSSARM DDE NARROW PROFILE 15KV	EACH	6
790-31.02	SERVICE ASSEMBLY-POLE TYPE	EACH	5
790-32.01	DOWN GUY-THROUGH BOLT TYPE	EACH	59
790-32.07	OH GUY-THROUGH BOLT TYPE	EACH	4
790-33.10	LOG TYPE ANCHOR 10IN-12IN DIA	EACH	37
790-40.02	OH COND 2 7/1 ACSR SPARATE	L.F.	783
790-40.42	OH COND 336.4 19 AAC TULIP	L.F.	5075
790-40.49	OH COND 795 37 AAC ARBUTIS	L.F.	14560
790-41.62	UG SEC COND TPLX 500 CU	L.F.	240
790-42.13	CONDUIT-POLE MTD-3FT SCH 80 PVC	L.F.	35
790-43.46	SECONDARY PULLBOX LARGE	EACH	1
790-46.01	1Ø TRANSFORMER	EACH	7
790-60.03	1Ø SECTIONALIZER OR RECLOSER 15KV	EACH	5
790-68.10	MISCELLANEOUS ASSEMBLIES	EACH	7
790-69.28	EXTENSION LINK-EPOXY-6FT	EACH	10
790-70.20	STREET LIGHT (ANY)	EACH	1
790-98.01	REMOVE WIRE	L.F.	20504
790-98.02	REMOVE POLES	EACH	26
790-98.03	REMOVE FRAMING/ASSOCIATED APPARATUS	EACH	158
790-98.20	TREE AND BRUSH REMOVAL OFF ROW	LS	1
793-01.08	POLE 35FT CLASS 5 WOOD	EACH	1
793-01.42	ANCHOR 1 1/4IN	EACH	29
793-10.02	BURIED CABLE @ 36IN DEPTH	L.F.	24120
793-11.10	12IN PEDESTAL	EACH	3
793-11.19	MARKER POST	EACH	48
793-11.20	HANDHOLE 30INX48IN	EACH	11
793-12.01	DIG SPLICE PIT 80 C.F.	EACH	2
793-13.07	4IN SCHEDULE 40 PVC	L.F.	1399
793-13.12	1 DUCT FORMATION @ 36IN DEPTH	L.F.	400
793-13.22	3 DUCT FORMATION @ 36IN DEPTH	L.F.	193
793-13.27	4 DUCT FORMATION @ 36IN DEPTH	L.F.	105
793-16.04	DIRECTIONAL BORE 4IN/FLEX SLEEVE	L.F.	678
793-16.05	STRAIGHT BORE/SLEEVE 2IN	L.F.	1045
793-16.06	STRAIGHT BORE/SLEEVE 4IN	L.F.	90
793-97.01	RESTORE ASPHALT	S.Y.	53
793-97.03	RESTORE GRAVEL	S.Y.	6
793-98.04	REMOVE POLES ALL SIZES	EACH	4
793-98.06	REMOVE PEDESTALS	EACH	7
795.06.34	CUT AND CAP 8IN WATERLINE	EA	2
795-01.04	6IN DIP SLIP JOINT WATERLINE	L.F.	3940
795-01.06	8IN DIP SLIP JOINT WATERLINE	L.F.	1515
795-03.02	2IN PVC WATERLINE	L.F.	790

ESTIMATED UTILITY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	15005-3262-14 QUANTITY
795-05.63	BORE/JACK 12 IN STEEL CASING PIPE-UNCON	L.F.	180
795-06.01	CONNECT TO 2IN WATERLINE	EA	4
795-06.03	CONNECT TO 4IN WATERLINE	EA	2
795-06.04	CONNECT TO 6IN WATERLINE	EA	6
795-06.33	CUT AND CAP 6IN WATERLINE	EA	6
795-07.03	6IN X 6 IN TAPPING SLEEVE AND VALVE	EA	6
795-07.06	8IN X 8IN TAPPING SLEEVE AND VALVE	EA	1
795-07.13	12IN X 8IN TAPPING SLEEVE AND VALVE	EA	1
795-08.01	2IN GATE VALVE ASSEMBLY	EA	5
795-08.04	6IN GATE VALVE ASSEMBLY	EA	6
795-09.09	RELOCATE/RECONNECT SERVICE ASSEMBLY	EA	7
795-09.31	2IN TYPE K COPPER WATER LINE	L.F.	250
795-09.44	HDD 2IN COPPER CARRIER PIPE-UNCON	L.F.	60
795-15.02	12IN STEEL CASING PIPE OPEN CUT METHOD	L.F.	250
797-05.52	8IN PVC GRAVITY SEWER 6FT-12FT DEPTH	L.F.	92
797-05.53	8IN PVC GRAVITY SEWER 12FT-18FT DEPTH	L.F.	169
797-06.90	OPEN CUT 16IN STEEL CASING PIPE	L.F.	20
797-07.07	48IN MANHOLE 14FT-16FT DEPTH	EACH	1
797-07.80	REMOVE EXISTING MANHOLE	EA	1
797-10.02	CONNECT 8IN SEWER TO EXIST, MANHOLE	EA	1
797-10.31	CONNECT TO 8IN GRAVITY SEWER	EA	1
797-11.38	BY-PASS PUMPING	LS	1

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ESTIMATED UTILITIES QUANTITIES

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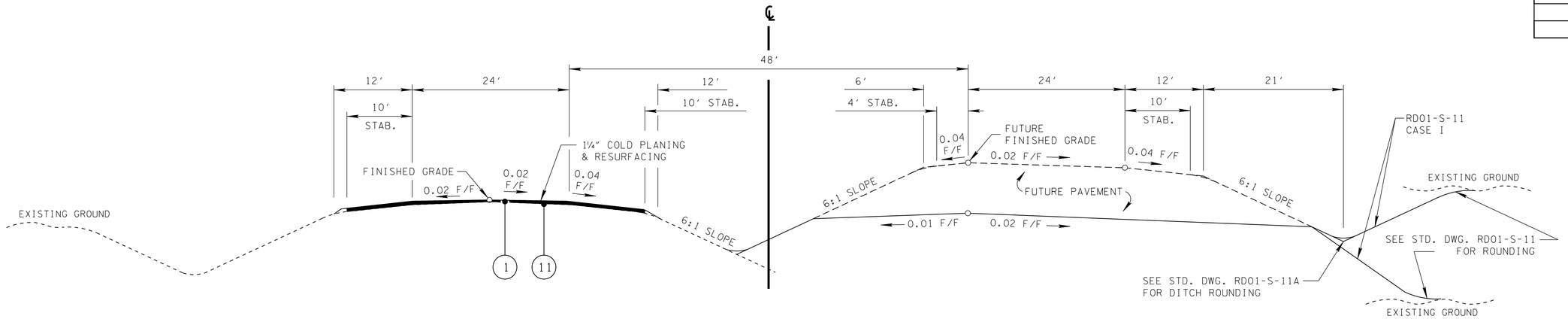
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	2
CONST.	2015	HPP/STP-32(57)	2C

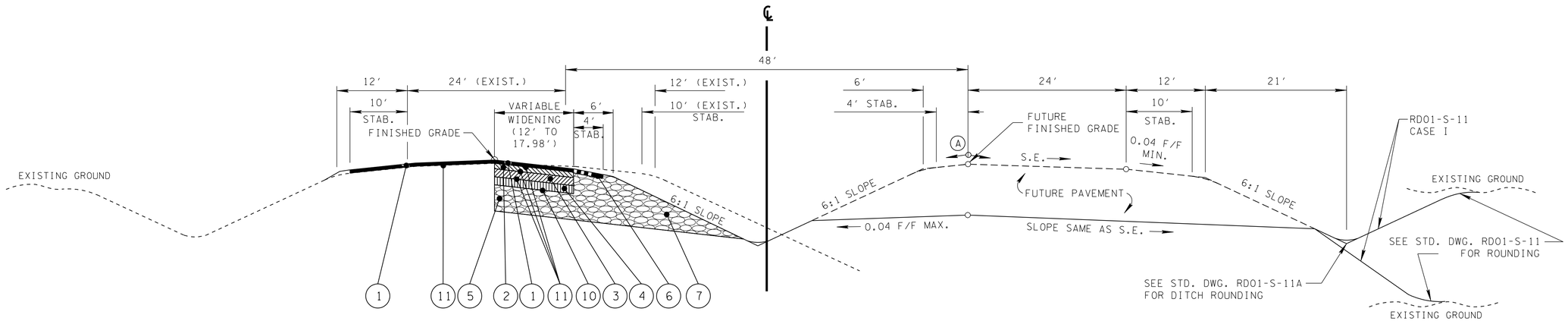


S.R. 32 TANGENT SECTION

(BASED ON STD. DWG. RDO1-TS-3A)

STA. 107+95.07 TO STA. 114+90.72

SLOPE STABILIZATION REQUIREMENTS	
MEDIAN	SOD
6:1 SLOPES & MINIMAL IMPACTS	SEEDING W/MULCH
4:1 SLOPES	EROSION CONTROL BLANKET & SEEDING W/O MULCH
3:1 SLOPES & 2:1 SLOPES	EROSION CONTROL BLANKET & CROWN VETCH W/O MULCH



S.R. 32 WIDENING SECTION

(BASED ON STD. DWG. RDO1-TS-3A)

STA. 114+90.72 TO STA. 117+54.04 (MEDIAN CROSSOVER)
(SEE ROADWAY CROSS SECTIONS FOR DETAILS)

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TYPICAL SECTIONS

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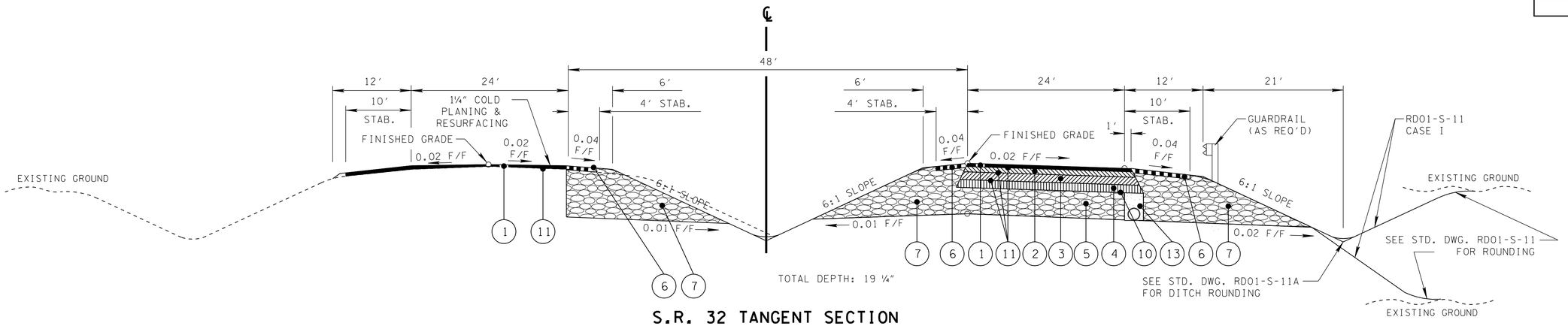
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	2A
CONST.	2015	HPP/STP-32(57)	2D



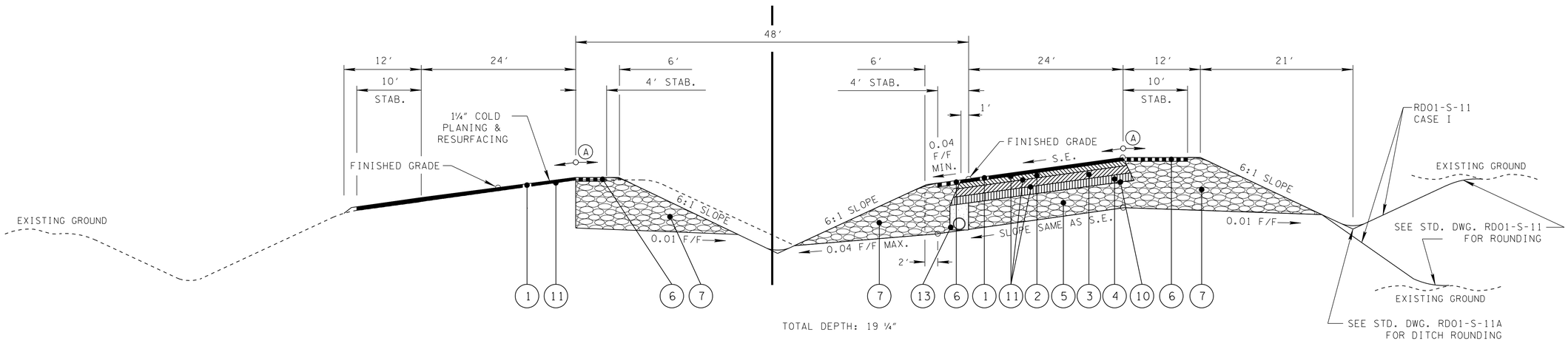
S.R. 32 TANGENT SECTION

(BASED ON STD. DWG. RDO1-TS-3A)

STA. 152+14.73 TO STA. 161+46.18
STA. 177+92.39 TO STA. 182+75.57
STA. 193+39.75 TO STA. 199+71.82
STA. 219+44.60 TO STA. 231+17.48
STA. 242+60.82 TO STA. 264+59.90
STA. 281+61.56 TO STA. 289+55.21
STA. 302+46.56 TO STA. 313+80.55
STA. 328+38.11 TO STA. 347+00.00

SLOPE STABILIZATION REQUIREMENTS	
MEDIAN	SOD
6:1 SLOPES & MINIMAL IMPACTS	SEEDING W/MULCH
4:1 SLOPES	EROSION CONTROL BLANKET & SEEDING W/O MULCH
3:1 SLOPES & 2:1 SLOPES	EROSION CONTROL BLANKET & CROWN VETCH W/O MULCH

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



S.R. 32 SUPERELEVATED SECTION

(BASED ON STD. DWG. RDO1-TS-3A)

STA. 117+54.04 TO STA. 152+14.73
STA. 161+46.18 TO STA. 177+92.39
STA. 182+75.57 TO STA. 193+39.75
STA. 199+71.82 TO STA. 219+44.60
STA. 231+17.48 TO STA. 242+60.82
STA. 264+59.90 TO STA. 281+61.56
STA. 289+55.21 TO STA. 302+46.56
STA. 313+80.55 TO STA. 328+38.11

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SEALED BY

Brian H. Trotter
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NO. 109115
STATE OF TENNESSEE

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DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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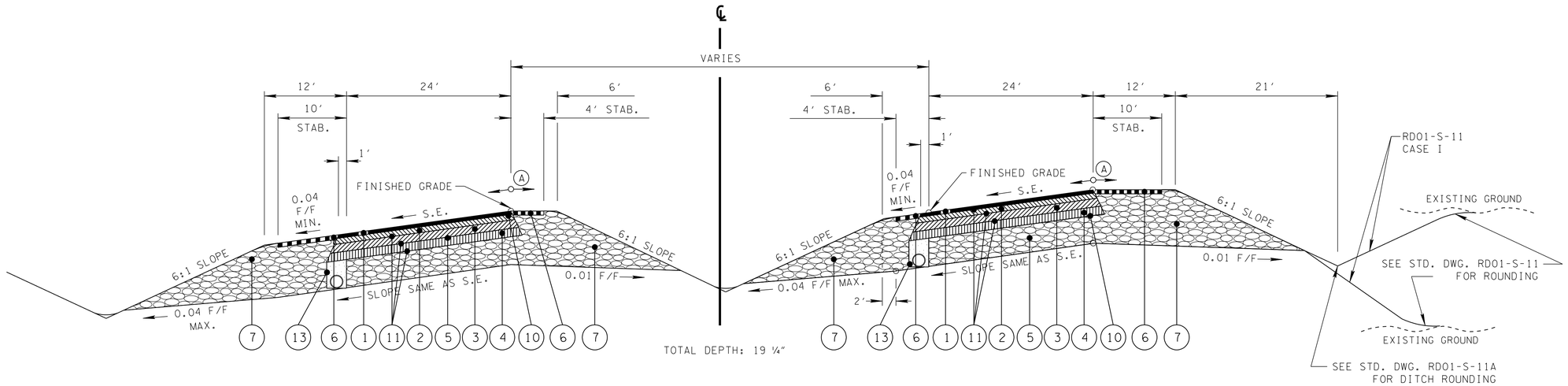
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	2E



S.R. 32 SUPERELEVATED SECTION

(BASED ON STD. DWG. RDO1-TS-3A)

STA. 347+00 TO STA. 347+41.34 (TANGENT)
STA. 347+41.34 TO STA. 358+00.00 (SUPER)

SLOPE STABILIZATION REQUIREMENTS	
MEDIAN	SOD
6:1 SLOPES & MINIMAL IMPACTS	SEEDING W/MULCH
4:1 SLOPES	EROSION CONTROL BLANKET & SEEDING W/O MULCH
3:1 SLOPES & 2:1 SLOPES	EROSION CONTROL BLANKET & CROWN VETCH W/O MULCH

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

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DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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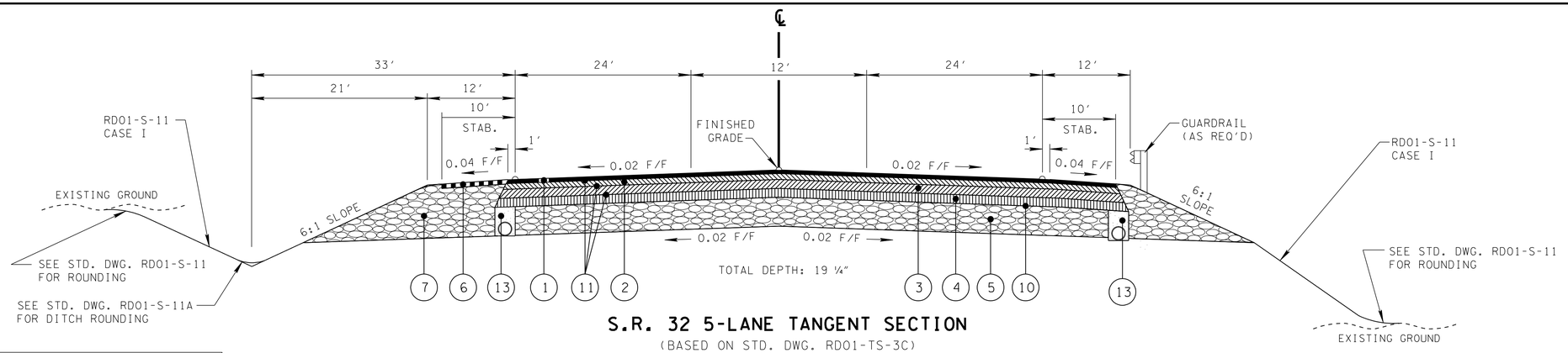
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	2B
CONST.	2015	HPP/STP-32(57)	2F

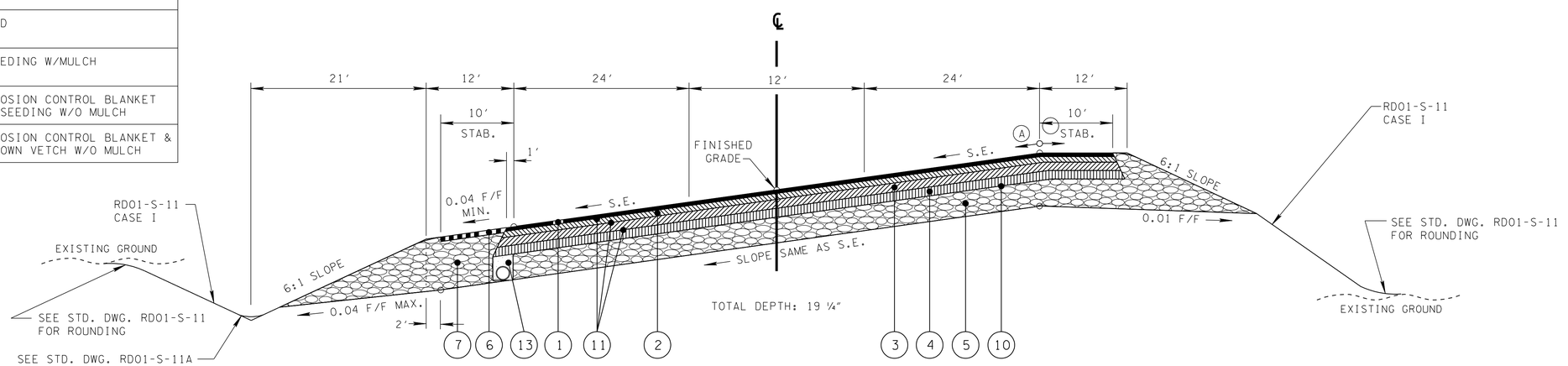


S.R. 32 5-LANE TANGENT SECTION

(BASED ON STD. DWG. RDO1-TS-3C)

STA. 367+77.42 TO STA. 372+64.07

SLOPE STABILIZATION REQUIREMENTS	
MEDIAN	SOD
6:1 SLOPES & MINIMAL IMPACTS	SEEDING W/MULCH
4:1 SLOPES	EROSION CONTROL BLANKET & SEEDING W/O MULCH
3:1 SLOPES & 2:1 SLOPES	EROSION CONTROL BLANKET & CROWN VETCH W/O MULCH

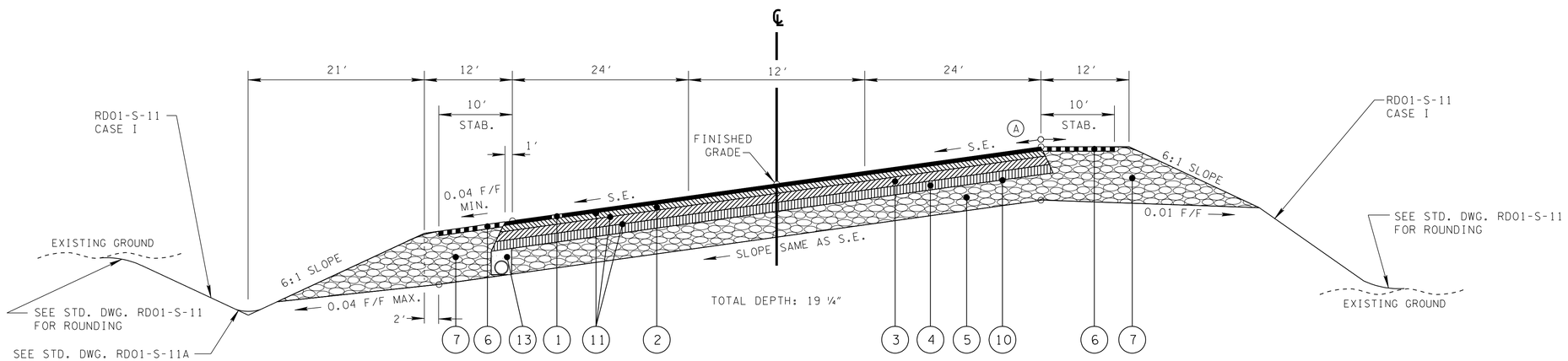


S.R. 32 5-LANE SUPERELEVATED SECTION

(BASED ON STD. DWG. RDO1-TS-3C)

STA. 361+74.47 TO STA. 367+77.42

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



S.R. 32 5-LANE SUPERELEVATED SECTION

(BASED ON STD. DWG. RDO1-TS-3C)

STA. 358+00.00 TO STA. 361+74.47

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TYPICAL SECTIONS

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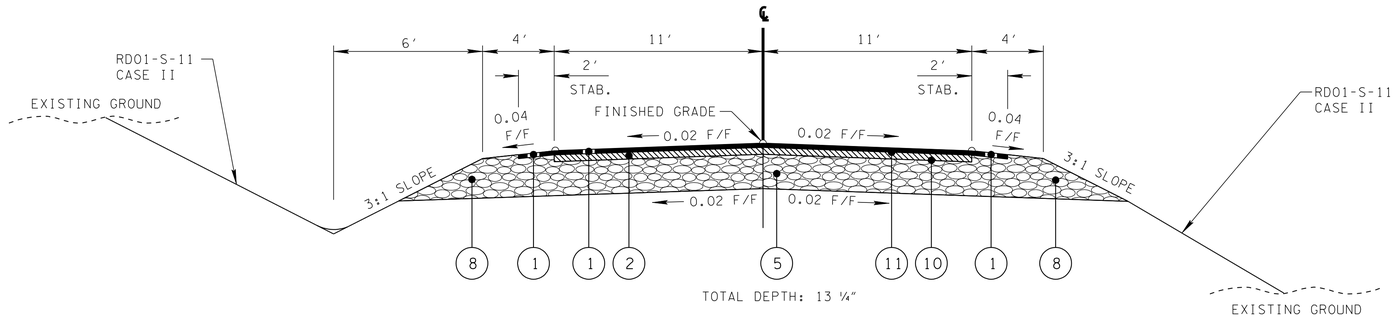
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	2C
CONST.	2015	HPP/STP-32(57)	2G



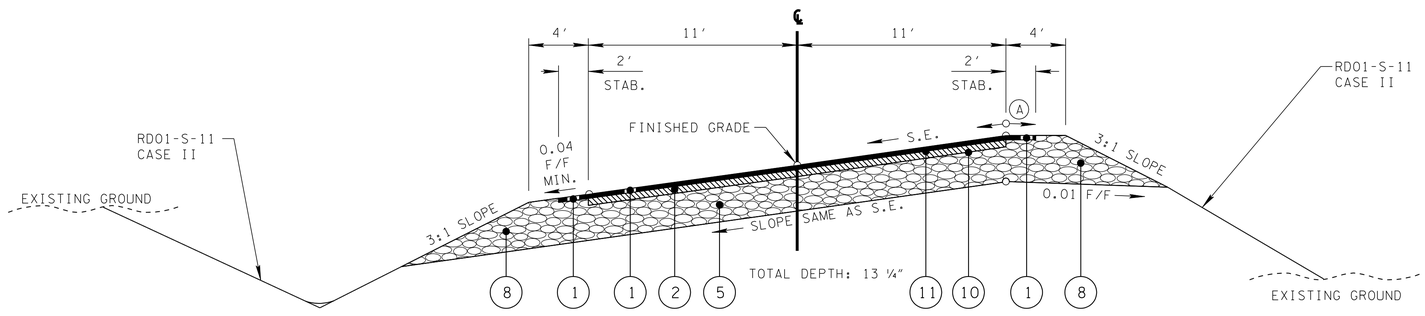
TANGENT SECTION

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

ARMORY RD. NO. 1 STA. 40+48.00 TO STA. 43+95.84
ARMORY RD. NO. 2 STA. 60+48.00 TO STA. 60+90.58
COSBY CUTOFF NO. 1 STA. 70+48.01 TO STA. 71+02.00

SLOPE STABILIZATION REQUIREMENTS	
MEDIAN	SOD
6:1 SLOPES & MINIMAL IMPACTS	SEEDING W/MULCH
4:1 SLOPES	EROSION CONTROL BLANKET & SEEDING W/O MULCH
3:1 SLOPES & 2:1 SLOPES	EROSION CONTROL BLANKET & CROWN VETCH W/O MULCH

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



SUPERELEVATED SECTION

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

REBEL RD. STA. 10+48.01 TO STA. 13+50.00
MAJ. JIM BURNETT DR. STA. 50+48.00 TO STA. 51+00.00
ARMORY RD. NO. 2 STA. 60+90.58 TO STA. 64+00.00
COSBY CUTOFF NO. 2 STA. 80+36.80 TO STA. 83+60.00

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TYPICAL SECTIONS

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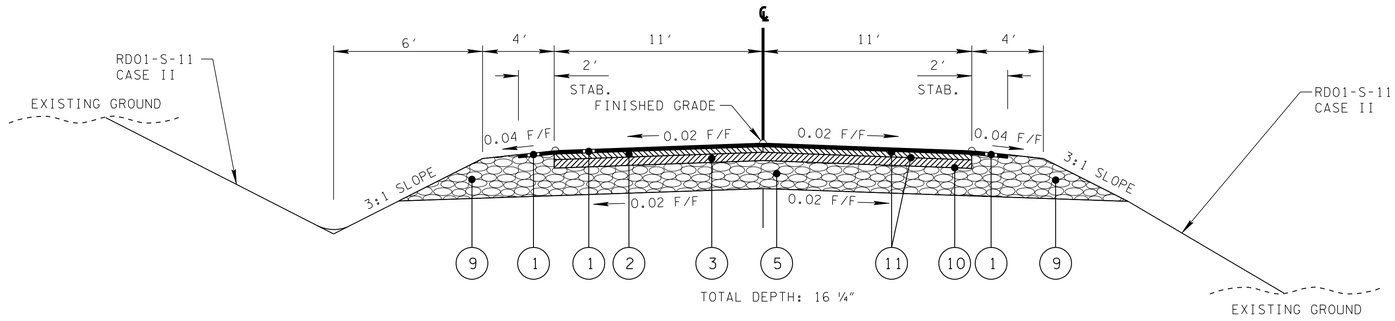
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	2D
CONST.	2015	HPP/STP-32(57)	2H



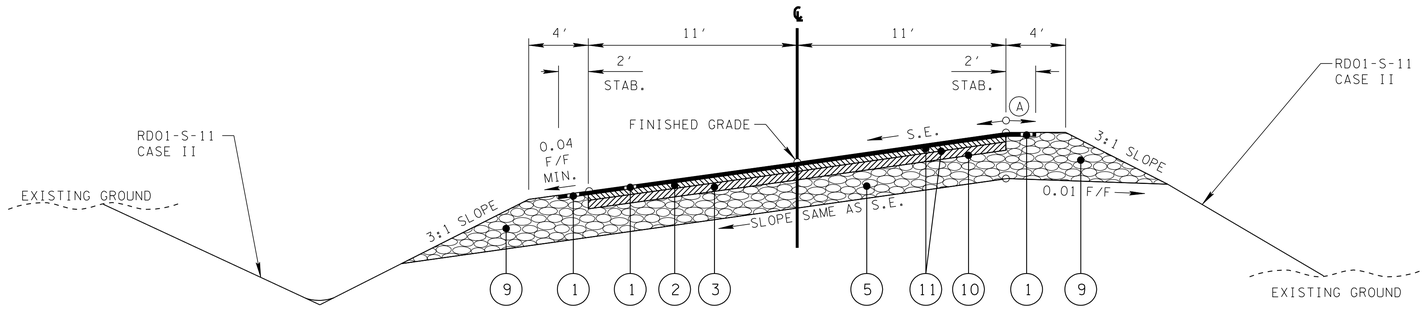
TANGENT SECTION

(BASED ON STD. DWG. RDO1-TS-1)

OLD HWY 32 NO. 1 STA. 20+48.01 TO STA. 21+56.60

SLOPE STABILIZATION REQUIREMENTS	
MEDIAN	SOD
6:1 SLOPES & MINIMAL IMPACTS	SEEDING W/MULCH
4:1 SLOPES	EROSION CONTROL BLANKET & SEEDING W/O MULCH
3:1 SLOPES & 2:1 SLOPES	EROSION CONTROL BLANKET & CROWN VETCH W/O MULCH

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



SUPERELEVATED SECTION

(BASED ON STD. DWG. RDO1-TS-1)

OLD HWY 32 NO. 1 STA. 21+56.60 TO STA. 23+00.00
OLD HWY 32 NO. 2 STA. 30+48.00 TO STA. 33+50.00

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Brian H. Trotter
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DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

10/15/2014
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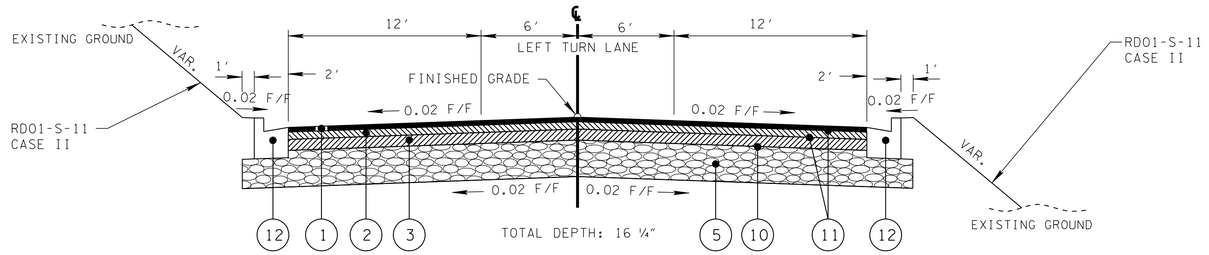
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

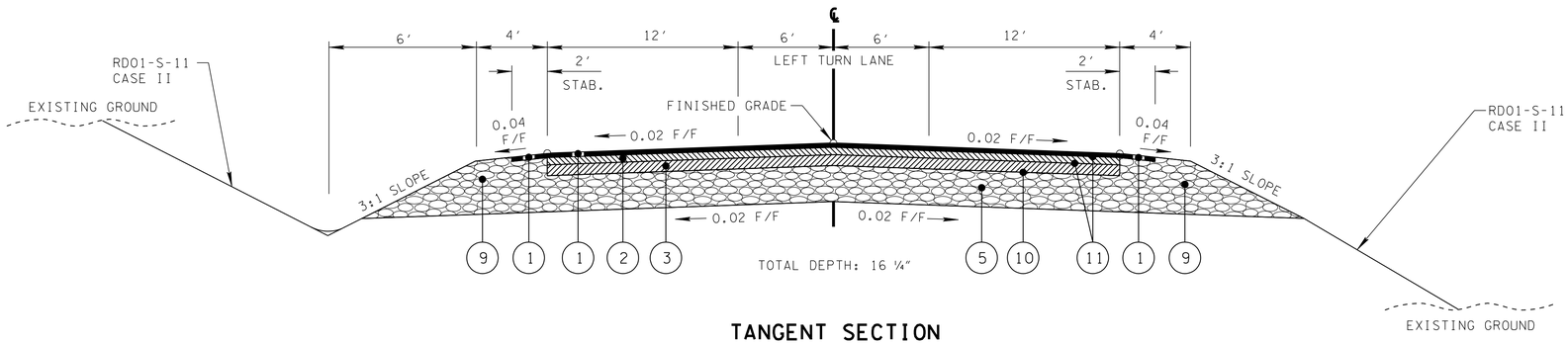
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	2D
CONST.	2015	HPP/STP-32(57)	2I



TANGENT SECTION

(BASED ON STD. DWG. RDO1-TS-6A)

EPLEY ROAD STA. 77+00.00 TO STA. 79+15.00 LEFT
EPLEY ROAD STA. 77+00.000 TO STA. 79+06.00 RIGHT



TANGENT SECTION

(BASED ON STD. DWG. RDO1-TS-1)

EPLEY ROAD STA. 79+15.00 TO STA. 79+62.75 LEFT
EPLEY ROAD STA. 79+06.00 TO STA. 79+62.75 RIGHT

SLOPE STABILIZATION REQUIREMENTS	
MEDIAN	SOD
6:1 SLOPES & MINIMAL IMPACTS	SEEDING W/MULCH
4:1 SLOPES	EROSION CONTROL BLANKET & SEEDING W/O MULCH
3:1 SLOPES & 2:1 SLOPES	EROSION CONTROL BLANKET & CROWN VETCH W/O MULCH

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SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

10/15/2014
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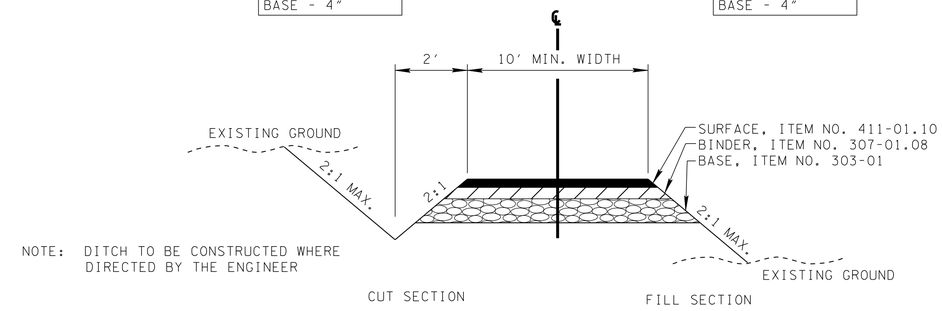
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	2J

BUSINESS
SURFACE - 1¼"
BINDER - 2"
BASE - 4"

FIELD OR RESIDENTIAL
SURFACE - 1½"
BINDER - NONE
BASE - 4"



NOTE: DITCH TO BE CONSTRUCTED WHERE DIRECTED BY THE ENGINEER

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

SEE SHT. 53S OF THE TRAFFIC CONTROL PLANS FOR TEMPORARY REBEL RD. CONNECTOR TYPICAL SECTIONS

PROPOSED PAVEMENT SCHEDULE

(1) 1¼" BITUMINOUS SURFACE (ROADWAY) (± 132.5 LB/SY) ITEM 411-01.10 ACS MIX (PG64-22) GRADING D	(9) 14¾" MINERAL AGGREGATE BASE (SHOULDER) ITEM 303-01 MINERAL AGGREGATE BASE, TYPE A BASE, GRADING D
(2) 2" BITUMINOUS BINDER (ROADWAY) (± 226 LB/SY) ITEM 307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	(10) PRIME COAT ITEM 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) (RATE 0.30-0.35 GAL/SY) ITEM 402-02 AGGREGATE FOR COVER MATERIAL (PC) (RATE 8-12 LB/SY)
(3) 3" BITUMINOUS BASE (ROADWAY) (± 345 LB/SY) ITEM 307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	(11) TACK COAT ITEM 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (RATE 0.02 GAL/SY)
(4) 3" BITUMINOUS BASE (ROADWAY) (± 270 LB/SY) ITEM 307-01.02 ASPHALT CEMENT MIX (PG64-22) (BPMB-HM) GRADING A-S ITEM 307-01.03 AGGREGATE MIX (BPMB-HM) GRADING A-S	(12) TYPE 6-30 CONCRETE COMBINED CURB & GUTTER (8") ITEM 702-03 CONCRETE COMBINED CURB AND GUTTER
(5) 10" MINERAL AGGREGATE BASE (ROADWAY) ITEM 303-01 MINERAL AGGREGATE BASE, TYPE A BASE, GRADING D	(13) AGGREGATE UNDERDRAINS ITEM 710-02 AGGREGATE UNDERDRAINS (WITH PIPE)
(6) 1½" BITUMINOUS SURFACE (SHOULDER) (± 154.5 LB/SY) ITEM 411-01.07 ACS MIX (PG64-22) GRADING E	(14) 6" MINERAL AGGREGATE BASE (ROADWAY) ITEM 303-01 MINERAL AGGREGATE BASE, TYPE A BASE, GRADING D
(7) 17¾" MINERAL AGGREGATE BASE (SHOULDER) ITEM 303-01 MINERAL AGGREGATE BASE, TYPE A BASE, GRADING D	(15) 9¼" MINERAL AGGREGATE BASE (SHOULDER) ITEM 303-01 MINERAL AGGREGATE BASE, TYPE A BASE, GRADING D
(8) 11¾" MINERAL AGGREGATE BASE (SHOULDER) ITEM 303-01 MINERAL AGGREGATE BASE, TYPE A BASE, GRADING D	

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DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND PAVEMENT SCHEDULE

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	2K

GENERAL NOTES

GRADING

(1) ANY AREA THAT IS DISTURBED OUTSIDE LIMITS OF CONSTRUCTION DURING THE LIFE 0F 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 WITHOUT APPROVAL BY SAME. 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 ITEMS 203-04 AND/OR 203-07. SEEDING, IN ACCORDANCE WITH SECTION 801 OF THE STANDARD SPECIFICATIONS, WILL BE MEASURED AND PAID FOR UNDER ITEM 801-01.

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

(3) ITEM NO. 801-02.01, CROWN VETCH MIXTURE (WITHOUT MULCH) 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, SEEDING (WITH MULCH), SHALL BE USED WHERE EROSION CONTROL BLANKET OR SOD ARE NOT APPLIED.

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

GUARDRAIL

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

(2) IF ANY APPROACH END OF A SECTION OF GUARDRAIL OR BRIDGE RAIL MUST TEMPORARILY BE LEFT INCOMPLETE AND EXPOSED TO TRAFFIC, THE CONTRACTOR SHALL USE TWO (2) TEMPORARY BARRICADES OR DRUMS WITH TYPE A LIGHTS AND ROUNDED END ELEMENTS AS MINIMUM MEASURES TO PROTECT TRAFFIC FROM THE HAZARD OF AN EXPOSED END. ALL COST OF FURNISHING AND INSTALLING A TEMPORARY ROUNDED END ELEMENT SHALL BE INCLUDED IN THE COST OF THE PROPOSED GUARDRAIL.

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

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

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

(5) WHERE A CULVERT (PIPE, SLAB OR BOX) IS MOVED TO A NEW LOCATION OTHER THAN THAT SHOWN ON THE PLANS, INCREASING OR DECREASING THE AMOUNT OF CULVERT EXCAVATION, NO INCREASE OR DECREASE IN THE AMOUNT OF PAYMENT 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.

UTILITIES

(1) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED. 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 IT'S 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.

FENCING

(1) THE CONTRACTOR SHALL GIVE THE AFFECTED PROPERTY OWNERS TWO WEEKS NOTICE PRIOR TO CUTTING FENCES.

MISCELLANEOUS

(1) THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MAILBOXES WHERE AND AS DIRECTED BY THE ENGINEER.

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

ROAD CLOSURE

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

PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKING ON INTERMEDIATE LAYERS

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

FINAL PAVEMENT MARKING IF 4" ENHANCED FLATLINE THERMOPLASTIC IS USED

(2) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 4" 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. 716-12.01, ENHANCED FLATLINE THERMO PVMT MRKNG (4IN 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.

FINAL PAVEMENT MARKING IF 4" SPRAY THERMOPLASTIC (40 mil) IS USED

(3) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 4" SPRAY THERMOPLASTIC (40 mil) INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-13.06, SPRAY THERMO PVMT MRKNG (40 mil) (4IN 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.

FINAL PAVEMENT MARKING IF REFLECTORIZED PAINT IS USED

(4) 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 MARKING WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.01 PAINTED PAVEMENT MARKING (4IN LINE), L.M.

DETOURS, LANE SHIFTS AND MEDIAN CROSS-OVERS

(5) THE PAVEMENT MARKING ON THE CROSS-OVER FOR THE CENTERLINE, EDGE LINES AND LANE LINES WILL BE INSTALLED AND MAINTAINED TO THE SAME STANDARDS AS FOR PERMANENT MARKINGS ON THE MAIN ROADWAY. THESE MARKING SHALL BE IN PLACE PRIOR TO ALLOWING TRAFFIC ONTO THE PAVEMENT. THESE PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-12.01, ENHANCED FLATLINE THERMO PVMT MRKNG (4IN LINE).

PAVEMENT

PAVING

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

(2) 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.

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	2L

GENERAL NOTES

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

(2) ALL SIGNS MARKED "TO BE REMOVED" ARE TO BE REMOVED BY THE CONTRACTOR AND PAID FOR UNDER ITEM 713-15 AND BECOME THE PROPERTY OF THE CONTRACTOR.

(3) 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.

(4) 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.

SIGNALIZATION

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

(2) SALVAGEABLE EQUIPMENT SHALL BECOME THE PROPERTY OF THE (CITY OR COUNTY) AND SHALL BE STOCKPILED AT A LOCATION DESIGNATED BY THE ENGINEER FOR PICKUP BY THE (CITY OR COUNTY).

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

(4) SIGNAL HEADS SHALL FLASH A MINIMUM OF SEVEN (7) DAYS PRIOR TO ACTIVATION OF THE SIGNAL.

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, VERTICAL PANELS, 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 A 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 THE VERTICAL PANELS ARE TO BE IN PLACE BEFORE IT IS OPENED TO TRAFFIC.

EROSION PREVENTION AND SEDIMENT CONTROL

DISTURBED AREA

(1) AREAS TO BE UNDISTURBED SHALL BE CLEARLY MARKED IN THE FIELD BEFORE CONSTRUCTION ACTIVITIES BEGIN.

(2) PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED (I.E. CLEARING AND GRUBBING INITIATED) MORE THAN 15 CALENDAR DAYS PRIOR TO GRADING OR EARTH MOVING ACTIVITIES UNLESS THE AREA IS MULCHED, SEEDED WITH MULCH, OR OTHER TEMPORARY COVER IS INSTALLED.

(3) CLEARING, GRUBBING, AND OTHER DISTURBANCE TO RIPARIAN VEGETATION SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR SLOPE CONSTRUCTION AND EQUIPMENT OPERATIONS. EXISTING VEGETATION SHOULD BE PRESERVED TO THE MAXIMUM EXTENT POSSIBLE. UNNECESSARY VEGETATION REMOVAL IS PROHIBITED.

(4) ALL DISTURBED AREAS SHALL BE PROPERLY STABILIZED AS SOON AS PRACTICABLE. PRIORITY SHALL BE GIVEN TO FINISHING OPERATIONS AND PERMANENT EPSC MEASURES OVER TEMPORARY EPSC MEASURES ON ALL PROJECTS.

(5) CONSTRUCTION SHALL BE SEQUENCED AND STAGED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED SOIL AREAS, PRESERVE TOPSOIL, AND MINIMIZE SOIL COMPACTION.

(6) NO MORE THAN 50 ACRES OF ACTIVE SOIL DISTURBANCE IS ALLOWED AT ANY TIME DURING THE CONSTRUCTION OF THE PROJECT. OFF-SITE BORROW OR WASTE AREAS ARE TO BE INCLUDED IN THE TOTAL DISTURBED AREA IF THE BORROW OR WASTE AREA IS EXCLUSIVE TO THE PROJECT PER TDOT'S WASTE AND BORROW MANUAL.

SEDIMENT CONTROL

(7) EPSC MEASURES SHALL BE INSTALLED AND FUNCTIONAL PRIOR TO ANY EARTH MOVING OPERATIONS, AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

(8) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT THE OFF-SITE MIGRATION OR DEPOSIT OF SEDIMENT ON ROADWAYS USED BY THE GENERAL PUBLIC. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT THAT HAVE NOT REACHED A STREAM MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFF-SITE IMPACTS (E.G., FUGITIVE SEDIMENT THAT HAS ESCAPED THE CONSTRUCTION SITE AND HAS COLLECTED IN A STREET MUST BE REMOVED SO THAT IT IS NOT SUBSEQUENTLY WASHED INTO STORM SEWERS AND STREAMS BY THE NEXT RAIN AND/OR SO THAT IT DOES NOT POSE A SAFETY HAZARD TO USERS OF PUBLIC STREETS). ARRANGEMENTS CONCERNING REMOVAL OF SEDIMENT ON ADJOINING PROPERTY MUST BE SETTLED WITH THE ADJOINING PROPERTY OWNER BEFORE REMOVAL OF SEDIMENT.

(9) WATER PUMPED FROM WORK AREAS AND EXCAVATION MUST BE HELD IN SETTLING BASINS OR TREATED BY FILTRATION OR CHEMICAL TREATMENT PRIOR TO ITS DISCHARGE INTO SURFACE WATERS. ALL PHYSICAL AND/OR CHEMICAL TREATMENT WILL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND FULLY DESCRIBED IN THE EPSC PLANS. WATER MUST BE HELD IN SETTLING BASINS UNTIL AT LEAST AS CLEAR AS THE RECEIVING WATERS. SETTLING BASINS SHALL NOT BE LOCATED CLOSER THAN 20 FEET FROM THE TOP BANK OF A STREAM. SETTLING BASINS AND SEDIMENT TRAPS SHALL BE PROPERLY DESIGNED ACCORDING TO THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED. TREATED WATER MUST BE DISCHARGED THROUGH A PIPE OR WELL- VEGETATED OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT. DISCHARGES FROM BASINS AND IMPOUNDMENTS SHALL UTILIZE OUTLET STRUCTURES THAT ONLY WITHDRAW WATER FROM NEAR THE SURFACE OF THE BASIN OR IMPOUNDMENT. DISCHARGES MUST NOT CAUSE AN OBJECTIONABLE COLOR CONTRAST WITH THE RECEIVING STREAM.

(10) CHECK DAMS SHALL BE USED WHERE RUNOFF IS CONCENTRATED. CLEAN ROCK, BRUSH, GABION, OR SANDBAG CHECK DAMS SHALL BE PROPERLY CONSTRUCTED TO REDUCE VELOCITY AND CONTROL EROSION.

(11) FOR AN OUTFALL IN A DRAINAGE AREA OF 10 ACRES OR MORE, A TEMPORARY (OR PERMANENT) SEDIMENT BASIN OR EQUIVALENT CONTROL MEASURES THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A MINIMUM 2-YEAR/ 24-HOUR STORM EVENT, SHALL BE PROVIDED UNTIL FINAL STABILIZATION OF THE SITE. THE ENVIRONMENTAL AND DESIGN DIVISIONS MAY BE CONTACTED TO REVIEW AND CONCUR WITH ANY REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE OUTFALL PROCEEDS.

(12) IF PERMANENT OR TEMPORARY VEGETATION IS TO BE USED AS AN EPSC MEASURE, THEN THE TIMING OF PLANTING OF VEGETATION SHALL BE SHOWN IN THE SWPPP. DELAYING PLANTING OF COVER VEGETATION UNTIL WINTER MONTHS OR DRY MONTHS SHOULD BE AVOIDED, IF POSSIBLE.

(13) OFFSITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION ACCESS (A POINT OF ENTRANCE/EXIT TO THE CONSTRUCTION PROJECT) SHALL BE PROVIDED, AS NEEDED, TO REDUCE THE TRACKING OF MUD AND DIRT ONTO PUBLIC ROADS BY CONSTRUCTION VEHICLES.

(14) TEMPORARY EPSC MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT MUST BE REPLACED AT THE END OF THE WORKDAY.

STREAM/WETLAND

(15) SOIL MATERIALS MUST BE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. EPSC MEASURES TO PROTECT WATER QUALITY MUST 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 STREAM BANKS IN CLEARED AREAS TO PREVENT SEDIMENT MIGRATION INTO STREAMS IN ACCORDANCE WITH TDOT STANDARDS. THEY MUST BE INSTALLED ON THE CONTOUR, ENTRENCHED AND STAKED, AND EXTEND THE WIDTH OF THE AREA TO BE CLEARED.

(16) 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.

(17) INSTREAM EPSC DEVICES REQUIRE THE ENVIRONMENTAL DIVISION'S PERMITS SECTION REVIEW AND MUST BE PROCESSED BY THE PERMITS SECTION TO OBTAIN TDEC, USACE, AND TVA PERMITS.

(18) THE OPERATION OF EQUIPMENT IN WATERS OF THE STATE/U.S., INCLUDING WETLANDS, SHALL BE ONLY AS SHOWN ON THE PROJECT PLANS AND/OR AS SO SPECIFIED IN THE ARAP/401, SECTION 404 PERMIT(S) AND/OR TVA26(A), IF APPLICABLE. ANY ADDITIONAL PERMITS REQUIRED BY THE CONTRACTOR'S METHOD OF OPERATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN, AFTER RECEIVING THE APPROVAL OF TDOT ENVIRONMENTAL DIVISION.

(19) THE WIDTH OF THE FILL ASSOCIATED WITH TEMPORARY CROSSINGS SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR THE ACTUAL CROSSING.

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	2M

GENERAL NOTES

EROSION PREVENTION AND SEDIMENT CONTROL

STREAM/WETLAND

(20) STREAM BEDS SHALL NOT BE USED AS TRANSPORTATION ROUTES FOR CONSTRUCTION EQUIPMENT. TEMPORARY CROSSINGS MUST BE LIMITED TO ONE POINT PER STREAM AND EPSC MEASURES MUST BE USED WHERE THE STREAM BANKS ARE DISTURBED. WHERE THE STREAMBED IS NOT COMPOSED OF BEDROCK, A PAD OF CLEAN ROCK MUST 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 MUST BE COMPLETELY REMOVED IN THEIR ENTIRETY AFTER THE WORK IS COMPLETED AND THE AFFECTED AREAS RETURNED TO THEIR PREEXISTING ELEVATION. ALL TEMPORARY CROSSINGS MUST BE CONSTRUCTED IN ACCORDANCE WITH STD. DWG. EC-STR-25 UNLESS SPECIFICALLY ADDRESSED IN THE EPSC PLANS. ALTERNATIVELY, PLACING A TEMPORARY BRIDGE (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.

(21) HEAVY EQUIPMENT WORKING IN WETLANDS MUST BE PLACED ON MATS, OR OTHER MEASURES MUST BE TAKEN TO MINIMIZE SOIL DISTURBANCE UNLESS SPECIFICALLY ADDRESSED IN THE EPSC PLANS. ANY MATS AND OTHER MEASURES USED FOR HEAVY EQUIPMENT MUST BE REMOVED IN THEIR ENTIRETY AFTER THE WORK IS COMPLETED.

(22) WETLANDS SHALL NOT BE USED AS EQUIPMENT STORAGE, STAGING, OR TRANSPORTATION AREAS, UNLESS PROVIDED FOR IN THE PLANS.

SPECIES

(23) 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. THE SWPPP SHALL BE MODIFIED TO INCLUDE EPSC MEASURES TO PREVENT NEGATIVE IMPACTS TO LEGALLY PROTECTED STATE OR FEDERAL FAUNA OR FLORA OR AS INDICATED IN THE ECOLOGICAL STUDIES OR ON THE PERMIT(S).

INSPECTION, MAINTENANCE, REPAIR

(24) EPSC CONTROLS WILL BE MAINTAINED IN ACCORDANCE WITH TDOT STANDARD DRAWINGS AND GOOD ENGINEERING PRACTICES.

(25) INSPECTION, REPAIR, AND MAINTENANCE OF EPSC MEASURES/STRUCTURES IS TO BE PERFORMED ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM SEDIMENT CONTROL STRUCTURES WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT (50%). DURING SEDIMENT REMOVAL, THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT STRUCTURAL COMPONENTS OF EPSC MEASURES ARE NOT DAMAGED AND THUS MADE INEFFECTIVE. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL REPAIR THE STRUCTURES AT THE CONTRACTOR'S OWN EXPENSE.

(26) SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES SHALL BE PLACED AND BE TREATED IN A MANNER SO THAT THE SEDIMENT IS CONTAINED WITHIN THE PROJECT LIMITS AND DOES NOT MIGRATE INTO WATERS OF THE STATE/U.S. COST FOR THIS TREATMENT IS TO BE INCLUDED IN PRICE BID FOR ITEM NO. 209-05 SEDIMENT REMOVAL, C.Y.

(27) THE CONTRACTOR SHALL INSTALL A RAIN GAUGE EVERY LINEAR MILE AT ALL SITES WHERE CLEARING, GRUBBING, EXCAVATION, GRADING CUTTING OR FILLING IS BEING ACTIVELY PERFORMED, OR EXPOSED SOIL HAS NOT YET BEEN PERMANENTLY STABILIZED. IF THE PROJECT LENGTH IS LESS THAN ONE LINEAR MILE, ONE RAIN GAUGE SHALL BE INSTALLED AT THE CENTER OF THE PROJECT OR AS INDICATED BY THE TDOT EPSC INSPECTOR. THE CONTRACTOR SHALL ENSURE THAT EACH GAUGE IS MAINTAINED IN GOOD WORKING CONDITION. TDOT AND/OR THE CONTRACTOR SHALL RECORD DAILY PRECIPITATION AND FORECASTED PERCENTAGE OF PRECIPITATION IN DETAILED RECORDS OF RAINFALL EVENTS INCLUDING DATES, AMOUNTS OF RAINFALL PER GAUGE, THE ESTIMATED DURATION (OR STARTING AND ENDING TIMES), AND FORECASTED PERCENTAGE OF PRECIPITATION FOR THE PROJECT. THIS INFORMATION SHALL BE PROVIDED TO THE ENGINEER ON A MONTHLY BASIS. THE COST FOR THE RAIN GAUGES IS TO BE INCLUDED IN THE UNIT BID PRICES FOR OTHER ITEMS. RAIN GAUGES SHALL BE AS SPECIFIED IN THE APPROVED TDOT RAINFALL MONITORING PLAN.

(28) INSPECTION OF EPSC MEASURES SHALL BE DONE AT LEAST TWICE PER CALENDAR WEEK AT LEAST 72 HOURS APART. A CALENDAR WEEK IS DEFINED AS SUNDAY THROUGH SATURDAY. QUALITY ASSURANCE/QUALITY CONTROL SITE ASSESSMENT OF EPSC SHALL BE PERFORMED PER THE TDOT ENVIRONMENTAL DIVISION'S COMPREHENSIVE INSPECTION OFFICE GUIDELINES.

(29) OUTFALL POINTS SHALL BE INSPECTED TO ASCERTAIN WHETHER EPSC MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO SURROUNDING WATERS. WHERE DISCHARGE LOCATIONS ARE INACCESSIBLE, NEARBY DOWNSTREAM LOCATIONS SHALL BE INSPECTED. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE ROADWAY SEDIMENT TRACKING.

(30) UPON CONCLUSION OF THE INSPECTIONS, EPSC MEASURES FOUND TO BE INEFFECTIVE SHALL BE REPAIRED, REPLACED, OR MODIFIED BEFORE THE NEXT RAIN EVENT, IF POSSIBLE, BUT IN NO CASE MORE THAN 24 HOURS AFTER THE INSPECTION OR WHEN THE CONDITION IS IDENTIFIED. IF THE REPAIR, REPLACEMENT OR MODIFICATION IS NOT PRACTICAL WITHIN THE TIMEFRAME, WRITTEN DOCUMENTATION MUST BE PROVIDED IN THE FIELD BOOK AND AN ESTIMATED REPAIR, REPLACEMENT OR MODIFICATION SCHEDULE SHALL BE DOCUMENTED WITHIN 24 HOURS AFTER IDENTIFICATION.

(31) THE TDOT PROJECT SUPERVISOR (OR THEIR DESIGNEE) AND THE CONTRACTOR'S SITE SUPERINTENDENT ARE RESPONSIBLE FOR INSPECTIONS. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE TDOT PROJECT SUPERVISOR OR THEIR DESIGNEE WILL COMPLETE THE INSPECTION REPORTS AND DISTRIBUTE COPIES PER THE CONTRACT.

MATERIALS

(32) WASTE AND BORROW AREAS SHALL BE LOCATED IN NON-WETLAND AREAS AND ABOVE THE 100-YEAR, FEDERAL EMERGENCY MANAGEMENT AGENCY FLOODPLAIN. BORROW AND WASTE DISPOSAL AREAS SHALL NOT AFFECT ANY WATERS OF THE STATE/U.S. UNLESS THESE AREAS ARE SPECIFICALLY COVERED BY AN ARAP, 404, OR NPDES PERMIT, OBTAINED SOLELY BY THE CONTRACTOR.

SWPPP, PERMITS, PLANS, RECORDS

(33) THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND OBTAIN ANY NECESSARY ENVIRONMENTAL PERMITS OR APPROVALS, INCLUDING BUT NOT LIMITED TO TDEC ARAP/401, USACE SECTION 404, TVA SECTION 26A, AND TDEC NPDES PERMITS, FROM FEDERAL, STATE AND/OR LOCAL AGENCIES REGARDING THE OPERATION OF ANY PROJECT-DEDICATED ASPHALT AND/OR CONCRETE PLANTS.

(34) ANY DISAGREEMENT BETWEEN THE PROJECT PLANS, THE PROJECT AS CONSTRUCTED, AND THE PERMIT(S) ISSUED FOR THE PROJECT, SHALL BE BROUGHT TO THE ATTENTION OF THE TDOT PROJECT ENGINEER. 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.

(35) THE FOLLOWING INFORMATION SHALL BE MAINTAINED ON OR NEAR THE SITE: DATES THAT MAJOR GRADING ACTIVITIES OCCUR, DATES WHERE CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE, DATES WHEN STABILIZATION MEASURES ARE INITIATED, EPSC INSPECTION RECORDS, QUALITY ASSURANCE SITE ASSESSMENT RECORDS, PRECIPITATION RECORDS, SWPPP, PROJECT ENVIRONMENTAL PERMITS, AND A COPY OF THE PROJECT EPSC INSPECTOR'S TDEC LEVEL 1 CERTIFICATION.

(36) ALL WATER QUALITY AND STORM WATER PERMITS, INCLUDING A COPY OF THE NOC WITH NPDES PERMIT TRACKING NUMBER AND THE LOCATION OF THE SWPPP, 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 BREIF 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.

(37) IF A CHANGE IN PROJECT SCOPE OCCURS DURING CONSTRUCTION, INCLUDING VALUE ENGINEERING, THE ENVIRONMENTAL DIVISION SHALL BE CONTACTED TO DETERMINE WHETHER PERMIT REVISIONS OR MODIFICATIONS OF THE SWPPP ARE NEEDED. THE DESIGN DIVISION SHALL BE CONTACTED TO DETERMINE IF ANY PLAN REVISIONS ARE NEEDED.

(38) THE SWPPP SHALL BE UPDATED BY CONSTRUCTION WHENEVER EPSC INSPECTIONS INDICATE, OR WHERE STATE OR FEDERAL OFFICIALS DETERMINE EPSC MEASURES ARE PROVING INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANT SOURCES OR ARE OTHERWISE NOT ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORM WATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY. THE ENVIRONMENTAL DIVISION SHALL BE CONTACTED WHEN MAJOR DESIGN REVISIONS ARE REQUESTED BY CONSTRUCTION. THE ENVIRONMENTAL DIVISION MAY BE CONTACTED FOR GUIDANCE ON SPECIFIC SWPPP NEEDS. A COPY OF ANY CORRESPONDENCE REGARDING THE EFFECTIVENESS OF THE SWPPP OR EPSC CONTROLS SHALL BE RETAINED IN THE SWPPP.

(39) THE SWPPP SHALL BE UPDATED BY CONSTRUCTION WHENEVER A CHANGE IN CHEMICAL TREATMENT METHODS IS MADE INCLUDING USE OF A DIFFERENT CHEMICAL, DIFFERENT DOSAGE OR APPLICATION RATE, OR A DIFFERENT AREA OF APPLICATION.

(40) IF A TMDL IS DEVELOPED FOR THE RECEIVING WATERS FOR A POLLUTANT OF CONCERN (SILTATION AND/OR HABITAT ALTERATION) THE SWPPP SHALL BE MODIFIED OR UPDATED.

(41) PROJECT INSPECTORS AND SUPERVISORS (INCLUDING TDOT STAFF, CONSULTANTS AND CONTRACTOR STAFF) RESPONSIBLE FOR THE IMPLEMENTATION AND MAINTENANCE OF EPSC PLANS SHALL SUCCESSFULLY COMPLETE THE TDEC "LEVEL 1 - FUNDAMENTALS OF EROSION PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES" COURSE AND ANY REFRESHER COURSES AS REQUIRED TO MAINTAIN CERTIFICATION. A COPY OF CERTIFICATION RECORDS FOR THE COURSES SHALL BE KEPT ON SITE AND AVAILABLE UPON REQUEST.

LITTER, DEBRIS, WASTE, PETROLEUM

(42) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION WASTES FROM ENTERING WATERS OF THE STATE/U.S. THESE MATERIALS WILL BE PICKED UP AND REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS. AFTER USE, MATERIALS USED FOR EPSC WILL BE REMOVED FROM THE SITE.

(43) 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 (NFPA). APPROPRIATE CONTAINMENT MEASURES FOR THESE AREAS SHALL BE USED. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.

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SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	2N

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 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.

PAVEMENT

RESURFACING

(1) TRAFFIC WILL BE ALLOWED TO TEMPORARILY DRIVE ON THE MILLED SURFACE OF THE ROADWAY UNDER THE FOLLOWING CONDITIONS ONLY:

A. THE MILLED SURFACE IS FINE TEXTURED. THE FINE TEXTURE SHALL BE OBTAINED BY A MILLING MACHINE UTILIZING A MILLING HEAD WITH TEETH SPACING 3/8" OR LESS OPERATING AT LESS THAN 80 FEET PER MINUTE.

B. THE SURFACE SHALL BE SWEPT AND CLEANED OF ALL LOOSE MATERIALS.

C. THE DIFFERENCE IN ELEVATION BETWEEN THE MILLED SURFACE AND THE ADJACENT LANE SHALL NOT EXCEED 1 1/2 INCHES.

D. THE MILLED SURFACE SHALL BE PAVED WITHIN 48 HOURS.

E. RAIN OR INCLEMENT WEATHER IS NOT EXPECTED OR FORECASTED WITHIN 48 HOURS AFTER MILLING.

F. ALL APPLICABLE SIGNING IS INSTALLED IN ACCORDANCE WITH THE MUTCD SIGNING SHALL INCLUDE MOTORCYCLE WARNING SIGNS (TN-64) PLACED IN ADVANCE OF ANY MILLED AREAS.

G. IF RAVELING OR DETERIORATION OF THE MILLED SURFACE IS OCCURRING WHILE TRAFFIC IS DRIVING ON THE MILLED SURFACE, THEN THIS PRACTICE WILL NOT BE ALLOWED AND PAVING SHALL BE COMPLETED IMMEDIATELY AFTER MILLING.

H. ONLY ONE LANE IN EACH DIRECTION SHALL HAVE A MILLED SURFACE AT ONE TIME.

SIGNALIZATION

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

EROSION PREVENTION AND SEDIMENT CONTROL

NPDES

(1) REFER TO THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN, SHEET 49, FOR NOTES REGARDING SEASONAL WORK LIMITATION OR LIMITATION ON THE TOTAL AREA OF EXPOSED SOIL.

ENVIRONMENTAL

ECOLOGY

(1) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE WILL ADVISE THE CONTRACTOR DURING THE PRE-CONSTRUCTION MEETING CONCERNING WHEN ENVIRONMENTAL DIVISION PERSONNEL OR DESIGNATED CONSULTANT WILL NEED TO BE ON-SITE FOR WORK BEING DONE WHICH COULD AFFECT THE STREAM OR SPECIES.

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

(3) ALL BRIDGE PROJECTS WITH THREATENED OR ENDANGERED SPECIES OR CRITICAL HABITAT IDENTIFIED MUST HAVE MEASURES IN PLACE TO CONTAIN CONCRETE DUST, CEMENT DUST AND ALL OTHER MATERIALS. THESE MATERIALS ARE NOT ALLOWED TO ENTER THE STREAM.

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SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 109115
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	20

STORM SEWER ENDWALLS

SHEET NO.	LOCATION	STATION	OFFSET (FT)	SIDE	DRAIN. CODE	TYPE	STANDARD DRAWING	CLASS "A" CONC. 611-07.01 (C.Y.)	REINF. STEEL 611-07.02 (LB.)	STRUCT. STEEL 611-07.03 (LB.)	ENDWALL (CROSS DRAIN)			
											18" 3:1 611-07.54	18" 4:1 611-07.55	18" 6:1 611-07.56	24" 6:1 611-07.59
											EACH			
4A	SR 32	108+60.00	79.94	RT	402	STR	D-PE-4	2.34	81					
5A	SR 32	120+50.00	87.00	RT	502	6:1	D-PE-18A D-PE-18B						1	
6A	SR 32/REBEL RD.	132+58.00	81.40	RT	605	6:1	D-PE-24A D-SEW-1A			296				1
7A	SR 32	143+21.54	128.18	RT	702	B	D-PE-9 D-PE-9A	1.15	164					
8A	SR 32	154+07.00	75.83	RT	802	4:1	D-PE-18A D-PE-18B					1		
9A	SR 32	176+51.70	75.93	RT	902	4:1	D-PE-18A D-PE-18B					1		
10A	SR 32	188+80.00	89.33	LT	1004	6:1	D-PE-18A D-PE-18B						1	
11A	SR 32	199+51.64	76.31	RT	1102	B	D-PE-9 D-PE-9A	1.07	153					
12A	SR 32	211+00.00	76.78	RT	1204	6:1	D-PE-18A D-PE-18B						1	
13A	SR 32	226+00.00	76.23	RT	1302	4:1	D-PE-18A D-PE-18B					1		
13A	SR 32	229+02.00	75.30	RT	1304	STR	D-PE-4	1.16	40					
14A	SR 32	242+50.00	77.42	RT	1402	4:1	D-PE-18A D-PE-18B					1		
16A	SR 32	256+15.00	72.86	RT	1602	6:1	D-PE-18A D-PE-18B						1	
16A	SR 32	266+82.00	76.83	RT	1606	6:1	D-PE-18A D-PE-18B						1	
17A	SR 32	271+03.00	76.30	RT	1702	STR	D-PE-4	1.16	40					
17A	SR 32	276+50.00	87.80	RT	1705	4:1	D-PE-18A D-PE-18B					1		
17A	SR 32	278+50.00	82.83	RT	1707	6:1	D-PE-24A D-PE-24B							1
19A	SR 32	300+09.00	69.07	RT	1902	B	D-PE-9 D-PE-9A	1.07	153					
20A	SR 32	312+38.27	108.73	RT	2002	3:1	D-PE-18A D-PE-18B				1			
20A	SR 32	319+00.00	103.53	RT	2005	B	D-PE-9 D-PE-9A	1.07	153					
21A	SR 32	325+60.00	82.37	RT	2102	B	D-PE-9 D-PE-9A	1.07	153					
21A	SR 32	332+75.00	103.80	RT	2104	3:1	D-PE-18A D-PE-18B				1			
22A	SR 32	341+34.00	77.92	RT	2202	6:1	D-PE-18A D-PE-18B						1	
23A	SR 32	352+00.00	58.87	RT	2303	6:1	D-PE-18A D-PE-18B						1	
23A	SR 32	356+00.00	52.28	RT	2305	6:1	D-PE-18A D-PE-18B						1	
TOTALS								10.09	937	296	2	5	8	2

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Brian H. Trotter REGISTERED ENGINEER NO. 109519 STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

SHEET 1 OF 8

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	2P

SPECIAL DITCH TABULATION

STATION		LOCATION	SIDE		WIDTH	LENGTH	CEMENT CONCRETE DITCH PAVING	MACHINED RIP-RAP (CLASS A-1)	MACHINED RIP-RAP (CLASS B)	MACHINED RIP-RAP (CLASS C)	GEOTEXTILE (TYPE IV) (STABILIZATION)	SODDING (NEW SOD)	REMARKS
							703-01	709-05.06	709-05.08	709-05.09	740-10.04	803-01	
FROM	TO		LT	RT	(L.F.)		(C.Y.)	(TON)			(S.Y.)		
108+60.05	108+53.31	SR 32		X	4	47.33			38.35		47.33	21.04	"V"
116+35.00	120+50.00	SR 32		X	4	447.66			362.69		447.66	198.96	"V"
10+82.40	12+00.00	REBEL RD.		X	8	94.38						83.89	"V"
10+80.12	12+00.00	REBEL RD.	X		4	144.37			116.97		144.37	64.16	"V"
130+75.00	132+50.00	SR 32		X	4	169.86			137.62		169.86	75.49	"V"
143+38.75	144+61.26	SR 32		X	8	125.83						111.85	"V"
146+76.90	148+56.90	SR 32		X	6	185.92			180.76		185.92	82.63	2' F.B.
148+56.90	154+50.00	SR 32		X	4	611.34			495.30		611.34	271.71	"V"
157+50.00	159+00.00	SR 32		X	6	153.61						102.41	2' F.B.
159+00.00	159+50.00	SR 32		X	4	50.00			40.51		50.00	22.22	"V"
159+50.00	162+50.00	SR 32		X	4	316.00			256.02		316.00	140.44	"V"
162+50.00	165+50.00	SR 32		X	8	293.37						260.77	"V"
176+00.00	32+00.00	SR 32/OLD HWY 32 NO. 2		X	8	172.77						153.57	"V"
177+50.00	179+23.37	SR 32		X	4	162.25			131.45		162.25	72.11	"V"
179+23.37	180+00.00	SR 32		X	4	77.19			62.54		77.19	34.31	"V"
193+50.00	205+00.00	SR 32		X	4	1136.50				1289.09	1389.06	505.11	"V"
205+00.00	205+41.54	SR 32		X	4.5	41.54	3.46					18.46	
205+41.54	206+00.00	SR 32		X	8	58.46						51.96	"V"
209+00.00	210+55.75	SR 32		X	4	149.71			121.29		149.71	66.54	"V"
41+03.16	43+85.00	ARMORY RD. NO. 1		X	4	214.51		104.28			166.84	95.34	"V"
216+00.00	219+00.00	SR 32		X	8	292.83						260.29	"V"
225+50.00	228+50.00	SR 32		X	4	300.24			243.25		300.24	133.44	"V"
229+02.00	229+02.00	SR 32		X	4	71.00			57.52		71.00	31.56	"V"
241+00.00	243+00.00	SR 32		X	4	202.21			163.83		202.21	89.87	"V"
255+50.00	259+00.00	SR 32		X	8	254.03						225.80	"V"
262+00.00	262+63.82	SR 32		X	8	63.82						56.73	"V"
266+00.00	268+00.00	SR 32		X	8	182.00						161.78	"V"
268+00.00	269+75.00	SR 32		X	4	207.59				235.46	253.72	92.26	"V"
271+04.00	270+62.00	SR 32		X	4	99.10			80.29		99.10	44.04	"V"
272+56.00	287+75.00	SR 32		X	4	1436.06			1163.47		1436.06	638.25	"V"
297+25.75	298+50.00	SR 32		X	4	112.75			91.35		112.75	50.11	"V"
300+00.00	301+00.00	SR 32		X	4	100.30			81.26		100.30	44.58	"V"
71+45.00	70+86.00	COSBY CUTOFF NO. 1	X		4.5	66.93	5.58					29.75	"V"
312+50.00	315+00.00	SR 32		X	8	200.00						177.78	"V"
317+50.00	320+50.00	SR 32		X	4	334.16			270.73		334.16	148.52	"V"
321+00.00	326+50.00	SR 32		X	4	612.33			496.10		612.33	272.15	"V"
339+00.00	342+00.00	SR 32		X	4	302.31			244.93		302.31	134.36	"V"
348+80.00	351+00.00	SR 32		X	4	220.59			178.72		220.59	98.04	"V"
359+50.00	360+61.50	SR 32	X		4	143.39			116.17		143.39	63.73	"V"
80+75.00	82+50.00	COSBY CUTOFF NO. 2		X	8	124.60						110.76	"V"
81+02.65	83+50.00	COSBY CUTOFF NO. 2	X		4	221.68			179.60		221.68	98.52	"V"
362+40.00	366+00.00	SR 32		X	4	339.73				385.34	415.23	150.99	"V"
TOTALS							**9.04**	**104.28**	**5310.71**	**1909.89**	**8742.59**	**5546.29**	

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Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 109131

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

SHEET 2 OF 8

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	20

BOX BRIDGE TABULATION

STATION	LOCATION	SPAN (FT)	HEIGHT (FT)	LENGTH (FT)	SKEW	DRAINAGE AREA ACRES	BOX BRIDGE BOX CLASS "A" CONC. CU. YD.	BOX BRIDGE BOX REINF. STEEL LBS.	DRAWING NO. (1)	BACKFILL ITEM 303-01.01 STD. DWG. STD-10-1 (TONS)	FOUNDATION FILL MATERIAL CU. YD.
229+98.18	SR 32	16	10	32.6 EXT	74°56'18" LT		296.54	56635.28	STD-17-103	397	65
TOTALS							**296.54**	**56635.28**		**397**	**65**

(1) EXISTING STRUCTURE IS 3@15'X10'

CATCH BASINS AND MANHOLES

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	SIDE	DRAIN CODE	GRATE/ TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSIONS	DEPTH (FT.)	STANDARD DRAWING	PAY ITEMS: TYPE 3 MANHOLE 611-01.07 24' - 28'	TYPE 2 JB 611-02.11	TYPE 3 JB 611-02.12	TYPE 14 611-14.02 4' - 8'	TYPE 38 611-38.01 0' - 4'	TYPE 38 611-38.02 4' - 8'	TYPE 38 611-38.03 8' - 12'	TYPE 38 611-38.04 12' - 16'	TYPE 38 611-38.05 16' - 20'	TYPE 39 611-39.01 0' - 4'	TYPE 42 611-42.01 0' - 4'
											EACH										
4A	SR 32	108+50.00	0.00		401	1166.00	38	4'X4'	3.21	D-CB-38SB					1						
5A	SR 32	120+50.00	0.00		501	1220.88	39	4'X4'	2.96	D-CB-39S										1	
6A	SR 32	133+50.00	0.00		601	1276.71	39	4'X4'	2.96	D-CB-39S										1	
6A	SR 32	133+34.00	81.00	RT	602	1275.09	42	4'X4'	3.67	D-CB-42SB											1
6A	SR 32	138+75.00	0.00		603	1282.28	38	4'X4'	10.55	D-CB-38SB							1				
6A	SR 32	138+92.75	50.14	RT	604	1272.83	#2 JB	4'X4'	11.43	D-JBS-2		1									
7A	SR 32	142+50.00	0.00		701	1289.47	38	4'X4'	18.97	D-CB-38SB									1		
7A	SR 32	149+01.32	85.07	RT	703	1270.65	#2 JB	4'X4'	4.25	D-JBS-2		1									
8A	SR 32	154+07.00	0.00		801	1335.00	39	4'X4'	2.96	D-CB-39S										1	
9A	SR 32	176+51.70	0.00		901	1341.80	39	4'X4'	2.96	D-CB-39S										1	
10A	SR 32	179+22.24	101.00	RT	1001	1321.45	38	4'X4'	4.22	D-CB-38SB						1					
10A	SR 32	179+80.63	0.00		1002	1327.07	38	4'X4'	17.75	D-CB-38SB									1		
10A	SR 32	188+80.00	0.00		1003	1283.25	39	4'X4'	2.96	D-CB-39S										1	
11A	SR 32	199+51.64	0.00		1101	1243.21	39	4'X4'	2.96	D-CB-39S										1	
12A	SR 32	206+58.58	0.00		1201	1224.40	38	4'X4'	11.84	D-CB-38SB							1				
12A	SR 32	210+55.75	54.82	RT	1202	1210.30	#2 JB	4'X4'	10.53	D-JBS-2		1									
12A	SR 32	211+00.00	7.00	LT	1203	1216.89	38	32"X32"	2.96	D-CB-38S					1						
13A	SR 32	226+00.00	3.00	LT	1301	1194.42	39	4'X4'	2.96	D-CB-39S										1	
13A	SR 32	229+02.00	0.00		1303	1192.26	39	4'X4'	2.96	D-CB-39S										1	
14A	SR 32	242+50.00	0.00		1401	1225.43	39	4'X4'	2.96	D-CB-39S										1	
16A	SR 32	256+15.00	0.00		1601	1239.78	38	32"X32"	2.96	D-CB-38S					1						
16A	SR 32	261+67.10	0.00		1603	1229.73	38	4'X4'	6.85	D-CB-38SB						1					
16A	SR 32	261+67.75	45.02	RT	1604	1223.47	#2 JB	4'X4'	4.22	D-JBS-2		1									
16A	SR 32	266+82.00	0.00		1605	1219.89	39	4'X4'	2.96	D-CB-39S										1	
17A	SR 32	271+03.00	0.00		1701	1209.00	38	32"X32"	2.96	D-CB-38S					1						
17A	SR 32	269+78.77	104.43	RT	1703	1196.73	#3 MH	6' DIA	25.98	D-MH-2	1										
17A	SR 32	276+50.00	3.00	LT	1704	1201.11	38	32"X32"	4.45	D-CB-38S						1					
17A	SR 32	278+50.00	0.00		1706	1201.47	39	4'X4'	3.38	D-CB-39S										1	
18A	SR 32	287+54.59	1.44	RT	1801	1230.40	38	4'X4'	7.43	D-CB-38SB						1					
18A	SR 32	289+18.90	3.96	RT	1802	1240.00	39	4'X4'	4.00	D-CB-39S										1	
19A	SR 32	300+09.00	0.00		1901	1265.74	39	4'X4'	2.96	D-CB-39S										1	
20A	SR 32	312+38.27	0.00		2001	1263.10	38	4'X4'	10.60	D-CB-38SB							1				
20A	SR 32	320+86.94	0.00		2003	1259.70	38	4'X4'	4.70	D-CB-38SB						1					
20A	SR 32	319+00.00	0.00		2004	1260.44	38	4'X4'	14.64	D-CB-38SB								1			
21A	SR 32	325+60.00	0.00		2101	1266.50	39	4'X4'	2.96	D-CB-39S										1	
21A	SR 32	332+75.00	0.00		2103	1286.98	38	4'X4'	10.48	D-CB-38SB							1				
22A	SR 32	341+34.00	0.00		2201	1310.26	39	4'X4'	2.96	D-CB-39S										1	
23A	SR 32	348+79.34	95.94	RT	2301	1284.77	#3 JB	5'2"X5'2"	5.92	D-JBS-3			1								
23A	SR 32	352+00.00	0.00		2302	1311.67	38	32"X32"	3.25	D-CB-38S					1						
23A	SR 32	356+00.00	0.00		2304	1303.13	38	32"X32"	4.35	D-CB-38S						1					
24A	EPLEY RD	79+06.00	18.75	RT	2402	1290.30	14	8'X3'	4.05	D-CB-14S				1							
24A	EPLEY RD	79+10.90	32.75	LT	2401	1289.08	14	8'X3'	4.05	D-CB-14S				1							
TOTALS											**1**	**4**	**1**	**2**	**5**	**6**	**4**	**1**	**2**	**15**	**1**

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STATE OF TENNESSEE
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TABULATED QUANTITIES

SHEET 3 OF 8

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	2R

SIDE DRAIN TABULATION

STATION	LOCATION			DESCRIPTION	SURFACE WIDTH	RCP CLASS III OR CMP 16 GA. OR HDPE (L.F.)					REMARKS
		LT	RT		(FT.)	18"	24"	30"	42"	48"	
111+50.00	S.R. 32		X	PRIVATE	14	25.0					1 SAFETY ENDWALL
112+00	S.R. 32		X	FIELD	14	25.0					1 SAFETY ENDWALL
137+50.00	S.R. 32		X	FIELD	12						NO S.D. REQ'D.
156+00.00	S.R. 32		X	FIELD	15	43.0					
157+00.00	S.R. 32		X	PRIVATE	18						NO S.D. REQ'D.
163+00.00	S.R. 32		X	BUSINESS	12		18.0				
180+53.00	S.R. 32		X	PRIVATE	12	20.0					
187+00.00	S.R. 32		X	PRIVATE	12		18.0				
188+25.00	S.R. 32		X	PRIVATE	12			18.0			
190+20.00	S.R. 32		X	PRIVATE	12			20.0			
193+10.00	S.R. 32		X	PRIVATE	12			20.0			
195+35.00	S.R. 32		X	PRIVATE	12				20.0		
195+85.00	S.R. 32		X	PRIVATE	12				20.0		
196+95.00	S.R. 32		X	PRIVATE	12				20.0		
201+25.00	S.R. 32		X	PRIVATE	12					20.0	
226+60.00	S.R. 32		X	FIELD	12		20.0				
233+50.00	S.R. 32		X	PRIVATE	12		84.0				
238+18.00	S.R. 32		X	PRIVATE	12		18.0				
248+65.00	S.R. 32		X	FIELD	12	20.0					
259+12.58	S.R. 32		X	FIELD	12		27.0				
267+25.00	S.R. 32		X	FIELD	12	20.0					
277+90.00	S.R. 32		X	PRIVATE	20				37.0		ACCESS RD.
282+80.00	S.R. 32		X	PRIVATE	14			68.0			2 S.D. LOCATIONS
285+70.00	S.R. 32		X	PRIVATE	12		50.0				2 S.D. LOCATIONS
290+78.00	S.R. 32		X	PRIVATE	12		39.0				
295+78.00	S.R. 32		X	PRIVATE	9						NO S.D. REQ'D.
313+00.00	S.R. 32		X	FIELD	12	35.0					
315+00.00	S.R. 32		X	FIELD	12	20.0					
332+44.26	S.R. 32		X	FIELD	12						NO S.D. REQ'D.
336+53.41	S.R. 32		X	FIELD	12	24.0					
344+69.38	S.R. 32		X	FIELD	12						NO S.D. REQ'D.
351+30.00	S.R. 32		X	BUSINESS	20						NO S.D. REQ'D.
351+35.00	S.R. 32	X		PRIVATE	12						CONNECTOR RD.
367+75.00	S.R. 32	X		BUSINESS	34						EX. 42" ST CMP
369+75.00	S.R. 32	X		BUSINESS	36	48.0					
21+45.00	OLD HWY. 32 NO. 1		X	PRIVATE	12	29.0					WATCHMAN WAY
32+22.50	OLD HWY. 32 NO. 2		X	BUSINESS	20	22.0					
32+47.00	OLD HWY. 32 NO. 2	X		PRIVATE	12	15.0					
33+10.00	OLD HWY. 32 NO. 2	X		BUSINESS	12	15.0					
41+96.76	ARMORY RD. NO. 1	X		BUSINESS	30	37.0					
62+48.08	ARMORY RD. NO. 2	X		PRIVATE	10	35.0					
81+17.16	COSBY CUTOFF NO. 2		X	BUSINESS	15		34.0				BLUE MOON RD.
TOTALS						**433.0**	**308.0**	**126.0**	**97.0**	**20.0**	

BOX CULVERT TABULATION

STATION	LOCATION	SPAN	HEIGHT	LENGTH	SKEW	DRAINAGE AREA	BOX CULVERT		DRAWING NO. (1)	BACKFILLING ITEM 303-01.01 DWG. STD-10-1	FOUNDATION FILL MATERIAL
							BOX				
		(FT)				ACRES	CLASS "A" CONC. CU. YD.	REINF. STEEL LBS.		TONS	CU. YD.
115+74.96	SR 32	8	4	70 EXT.	69°46'53" RT	102	59.15	13560.9	STD-17-52	353	34.5
310+53.83	SR 32	5	6	64.71 EXT.	88°08'49" RT	220	50.97	11479.37	STD-17-51	474	27
321+80.56	SR 32	5	5	47 EXT.	50°43'37" LT	210	32.89	7243.27	STD-17-51	205	22
TOTALS							**143.01**	**32283.54**		**1032**	**83.5**

(1) QUANTITY TABULATIONS FOR BOX CULVERTS WITH 5' SPAN ARE BASED ON BOX BRIDGE 1 BARREL AT 6', NO STANDARD BOX DRAWINGS ARE AVAILABLE FOR A 5' SPAN

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

SHEET 4 OF 8

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	2S

PROPOSED GUARDRAIL

SHEET NO.	LOCATION	SIDE		STATION		GUARDRAIL		TERMINALS				REMARKS
		LT	RT	FROM	TO	BRIDGE ENDS 705-01.01 (L.F.)	SINGLE TYPE 2 705-02.02 (L.F.)	TYPE 13 705-04.03 (EACH)	TYPE 21 705-04.04 (EACH)	TYPE IN-LINE 705-04.05 (EACH)	TYPE 38 705-04.07 (EACH)	
4A	SR 32 MEDIAN			108+02.44	108+84.20	26.9					1	
4A-5A	SR 32	X		107+87.00	107+87.00	26.9	1088.57				1	
4A-5A	SR 32		X	111+63.34	117+00.00		481.93	1			1	
5A-6A	SR 32	X		123+91.10	128+79.30		431.11	1			1	
7A	SR 32 & OLD 32 NO. 1		X	140+45.34	21+23.11		96.69		1	1	1	
7A	OLD 32 NO. 1		X	21+47.65	23+00.00		263.96		1	1		
7A	OLD 32 NO. 1 & SR 32		X	21+24.91	150+50.00		876.59	1	1	1		
7A-8A	SR 32	X		144+09.98	155+14.80		1054.82	1			1	
8A	SR 32		X	153+82.17	155+84.83		162.71			1	1	
8A	SR 32		X	156+12.84	157+11.78		127.34			2		
8A	SR 32		X	157+41.23	160+50.00		323.54	1		1		
8A	SR 32	X		157+78.97	161+62.12		330.94	1			1	
9A-10A	SR 32	X		177+33.28	184+36.28		650.47	1			1	
11A	SR 32		X	191+85.34	193+01.84		70.70			1	1	
11A	SR 32		X	193+18.00	195+27.00		226.15			2		
11A	SR 32		X	195+43.00	195+77.00		51.12			2		
11A	SR 32		X	195+93.00	196+88.24		112.12			2		
11A	SR 32		X	197+04.25	201+16.86		429.19			2		
11A-12A	SR 32		X	201+33.14	204+25.00		293.07	1		1		
12A	SR 32	X		206+05.20	211+37.63		571.20	1		1		
13A-14A	SR 32		X	224+73.93	226+49.79		129.72			1	1	
13A-14A	SR 32		X	226+70.21	232+00.00		538.63	1		1		
13A-14A	SR 32	X		228+71.63	240+81.52		1202.48	1		1		
14A-15A	SR 32	X		240+98.20	244+14.40		275.24			1	1	
16A	SR 32		X	258+22.95	259+09.15		31.24			1	1	
16A	SR 32		X	259+22.00	262+00.00		315.12	1		1		
16A	SR 32		X	265+22.15	267+16.20		147.66			1	1	
16A-17A	SR 32	X		268+62.03	271+59.36		306.16	1		1		
16A-17A	SR 32 & ARMORY RD. NO. 2		X	267+33.36	64+00.30		747.24			2		
17A	ARMORY RD. NO. 2	X		62+45.68	63+75.77		178.85		1	1		
17A	ARMORY RD. NO. 2 & SR 32	X		62+31.29	277+75.32		883.51	1		3		
17A	SR 32	X		271+77.61	277+74.37		609.28			2		
17A	SR 32	X		278+12.47	279+87.25		143.46			1	1	
18A	SR 32	X		285+70.60	292+58.42		698.75	1		1		
18A-19A	SR 32	X		292+76.54	299+42.12		710.25			2		
18A-19A	SR 32 @ 211.5' RT		X				187.50					
20A-21A	SR 32		X	315+53.70	323+50.00		760.53	1			1	
21A	SR 32 & LEWIS RD.	X		322+14.70	324+99.00		301.61	1	1		1	
21A	SR 32		X	329+65.95	332+29.25		220.88			1	1	
21A-22A	SR 32		X	332+95.14	335+00.00		265.00	1		1		
21A-22A	SR 32	X		333+15.71	336+31.15		323.11	1		1		
22A	SR 32	X		336+61.75	338+45.90		137.88			1	1	
22A	SR 32		X	341+60.15	344+58.90		252.36			1	1	
22A-23A	SR 32		X	344+78.85	349+50.00		477.10	1		1		
23A	SR 32	X		348+00.00	350+86.98		234.99	1			1	
24A	SR 32		X	367+06.10	371+50.00		389.00	1			1	
TOTALS						**53.8**	**18109.77**	**22**	**5**	**44**	**23**	

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STATE OF TENNESSEE

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DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

SHEET 5 OF 8

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	2T

ESTIMATED GRADING QUANTITIES

LOCATION	ROAD & DRAINAGE EXC. (UNCL.)		BORROW EXCAVATION	EXCESS EXCAVATION WASTE	EMBANKMENT
	COMMON	TOPSOIL	GRADED SOLID ROCK (1)		
	(C.Y.)				
SR 32	675262	71779	14978	251488	423774
REBEL ROAD	213	0		14	189
OLD SR 32 NO. 1	168	315		281	210
OLD SR 32 NO. 2	125	0		70	49
ARMORY RD. NO. 1	1635	315		1882	6
MAJ. JIM BURNETT RD.	0	0		0	0
ARMORY RD. NO. 2	201	217		-116	535
COSBY CUTOFF NO. 1	0	0		0	0
COSBY CUTOFF NO. 2	1095	209		922	340
EPLEY RD.	81	97		-593	772
DRIVEWAYS	36680	0		29418	5515
REBEL RD. TEMP. CONN.	8	0		-1445	1453
TOTALS	**715468**	**72932**	**14978**	**281921**	**432843**

(1) GRADED SOLID ROCK, (ITEM 203-02.01) IS MEASURED AND PAID FOR PER TON. CY VOLUME SHOWN FOR GRADING PURPOSES ONLY.
SHR. 5%

PAVEMENT QUANTITIES

LOCATION	PAY ITEMS									
	303-01	307-01.01	307-01.02	307-01.03	307-01.08	402-01	402-02	403-01	411-01.10	411-01.07
	(TON)									
SR 32	87540.49	14538.78	369.79	11008.38	9523.95	188.56	746.68	30.61	12259.02	3165.31
REBEL ROAD	821.23				98.45	1.32	5.23	0.08	80.15	
OLD SR 32 NO. 1	891.85	126.90			83.13	1.11	4.40	0.13	68.08	
OLD SR 32 NO. 2	919.20	148.10			97.02	1.32	5.23	0.15	79.48	
ARMORY RD. NO. 1	962.25				120.55	1.62	6.40	0.09	97.13	
MAJ. JIM BURNETT RD.	239.00				28.90	0.40	1.60	0.02	24.80	
ARMORY RD. NO. 2	1075.54				111.70	1.50	5.93	0.09	90.40	
COSBY CUTOFF NO. 1	247.66				30.16	0.40	1.60	0.02	25.76	
COSBY CUTOFF NO. 2	889.86				107.30	1.44	5.70	0.08	86.71	
EPLEY RD.	1008.36	251.95			165.04	2.32	9.20	0.24	101.83	
DRIVEWAYS	2247.04				283.74				652.18	
TRAFFIC CONTROL	9750.00									
REBEL RD. TEMP. CONN.	448.84				108.62	1.46	5.77	0.08	63.68	
TOTALS	**107041.32**	**15065.73**	**369.79**	**11008.38**	**10758.56**	**201.45**	**797.74**	**31.59**	**13629.22**	**3165.31**

R.O.W. MARKERS

SHEET NO.	QUANTITIES			
	"A"	"B"	"C"	TOTALS
20	1	1	1	3
21	2	1	1	4
TOTALS	**3**	**2**	**2**	**7**

SR 32 CROSS DRAIN TABULATION

STATION	RCP CLASS III OR CMP 10 GA. OR HDPE OR PVC OR SRTRP FILL HEIGHT < OR = 16 FT.			CMP 10 GA. FILL HEIGHT < OR = 16 FT.				RCP CLASS III FILL HEIGHT < OR = 16 FT.		SKEW	RIP-RAP (CLASS B) 709-05.08 (TON)	RIP-RAP (CLASS C) 709-05.09 (TON)	OUTLET END TREATMENT		CLASS "A" CONCRETE 611-07.01 (C.Y.)	REINF. STEEL 611-07.02 (LBS.)	STRUCT. STEEL 611-07.03 (LBS.)	ENDWALLS (CROSS DRAIN)		REMARKS
													TYPE	DRAWING NO.				18" 6:1 611-07.56	24" 6:1 611-07.59	
	L.F.																	(EACH)		
	24"	42"	48"	24"	30"	36"	42"	30"	36"											
111+50.0													6:1	D-PE-18A			538	1		FOR 18" SIDE DRAIN
138+74.59	163									69°55'36" RT		21.78	STR	D-PE-4	3.96	145				SKEW TO MAINLINE = 39°44'56"
144+99.74					85.03					74°57'48" LT	6.89		STR	D-PE-4	6.17	186				
149+49.34	93.5									60°07'58" LT			STR	D-PE-4	4.29	157				
158+69.60						28.27				75°08'22" RT	10.21		A	D-PE-1	4	73				
161+56.54					67.3					44°57'38" LT			STR	D-PE-4	8.43	255				
179+80.63				55.86						59°56'57" LT										
206+56.88									27.41	45°15'44" LT			A	D-PE-1	5.16	94				
210+55.75	27.15									89°50'42" LT			6:1	D-PE-24A					1	
261+67.12	39.87									89°14'14" LT			B	D-PE-9	2.09	244				
269+80.82			40							88°51'36" LT			A	D-PE-1	5.88	90				
287+54.16										73°34'57" RT			A	D-PE-1	4	73				REMOVE 14.30 L.F. OF EXIST. 36"
297+25.75								54.62		80°56'21" RT			STR	D-PE-4	6.04	182				
334+16.66							34.62			89°59'33" LT	10.78		A	D-PE-1	4.72	79				
348+79.06		34.96								89°50'15" RT	10.78		A	D-PE-1	4.72	79				
TOTALS	**323.52**	**34.96**	**40**	**55.86**	**152.33**	**28.27**	**34.62**	**54.62**	**27.41**		**38.66**	**21.78**			**59.46**	**1657**	**538**	**1**	**1**	

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Brian H. Trotter REGISTERED ENGINEER DEPARTMENT OF AGRICULTURE COMMERCE NO. 104319 STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

SHEET 6 OF 8

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	2U

GUARDRAIL TO BE REMOVED

STATION TO STATION		LOCATION	GUARDRAIL TO BE REMOVED 706-01 (L.F.)	REMARKS
SR 32				
108+04.00	118+54.00	SR 32 LT	1050.4	
108+17.00	111+37.00	SR 32 RT	338.1	
111+61.00	117+39.00	SR 32 RT	597.6	
123+49.00	128+44.00	SR 32 LT	490.9	
21+50.00	23+00.00	OLD SR 32 NO. 1 RT	262.5	
140+13.00	153+58.00	SR 32 RT	1116.2	
144+01.00	154+30.00	SR 32 LT	1041.4	
157+44.00	161+34.00	SR 32 LT	390.0	
157+47.00	162+37.00	SR 32 RT	490.2	
177+16.00	184+09.00	SR 32 LT	715.3	
205+96.00	211+38.00	SR 32 LT	911.1	
227+64.00	230+66.00	SR 32 RT	302.6	
228+54.00	240+82.00	SR 32 LT	1252.0	
268+06.00	64+00.00	SR 32 RT/ARMORY RD. NO. 2 RT	729.9	
268+13.00	271+60.00	SR 32 LT	352.8	
62+28.00	277+73.00	ARMORY RD. NO. 2 LT./SR 32 RT	977.6	
62+46.00	64+03.00	ARMORY RD. NO. 2 LT.	226.8	
271+77.00	277+74.00	SR 32 LT	610.9	
278+12.00	279+49.00	SR 32 LT	160.2	
285+42.00	292+59.00	SR 32 LT	728.2	
292+76.00	298+38.00	SR 32 LT	591.1	
231+97.00	324+56.00	SR 32 LT	251.6	
332+84.00	335+84.00	SR 32 LT	300.0	
347+70.00	350+21.00	SR 32 LT	253.0	
359+80.00	77+45.00	SR 32 LT/EPLEY RD. RT	278.3	
76+16.00	362+89.00	EPLEY RD. LT/SR 32 LT	397.5	
80+01.00	81+41.00	COSBY CUTOFF NO. 2 LT (EXIST)	137.5	
80+01.00	81+02.00	COSBY CUTOFF NO. 2 RT (EXIST)	115.1	
TOTAL			15068.8	

STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	REINF. CONC. PIPE -CLASS IV JACKED-IN-PLACE (L.F.) 18"	REINFORCED CONC. PIPE - CLASS III (L.F.) 18"	24"
4A	401	1162.79	402	1162.00	1.00%		79.24	
5A	501	1217.92	502	1217.92	0.00%		94.18	
6A	601	1273.75	602	1271.59	2.71%		79.65	
6A	602	1271.42	605	1270.82	0.79%			75.56
7A	701	1270.50	702	1262.00	5.82%		146.03	
8A	801	1332.04	802	1331.33	0.95%		74.49	
9A	901	1338.84	902	1338.05	1.06%		74.60	
10A	1003	1280.29	1004	1276.00	#DIV/0!	88.00		
11A	1101	1240.25	1102	1238.69	2.08%		74.98	
12A	1203	1213.93	1204	1211.58	2.87%		82.00	
13A	1301	1191.46	1302	1191.11	0.45%		77.85	
13A	1303	1189.30	1304	1187.89	1.88%		74.81	
14A	1401	1222.47	1402	1222.10	0.49%		76.09	
16A	1601	1236.82	1602	1236.48	0.47%		72.48	
16A	1605	1216.93	1606	1216.22	0.93%		75.99	
17A	1701	1206.04	1702	1205.30	0.96%		77.00	
17A	1704	1196.66	1705	1195.60	1.18%		89.68	
17A	1706	1198.09	1707	1197.18	1.12%			81.50
18A	1802	1236.00	1801	1225.90	6.25%		161.67	
19A	1901	1262.78	1902	1261.50	1.92%		66.81	
20A	2001	1252.50	2002	1251.44	0.98%		108.33	
20A	2003	1255.00	1004	1247.30	4.18%		184.28	
20A	2004	1245.80	2005	1245.16	0.63%		101.26	
21A	2101	1263.54	2102	1263.09	0.57%		79.11	
21A	2103	1276.50	2104	1276.00	0.49%		101.60	
22A	2201	1307.30	2202	1306.40	1.16%		77.92	
23A	2302	1308.42	2303	1308.19	0.40%		58.11	
23A	2304	1298.78	2305	1298.57	0.41%		51.51	
24A	2402	1286.25	2401	1285.66	1.14%		51.71	
24A	2401	1285.03	EXIST.	1284.99	0.50%		8.00	
TOTALS						88.00	2299.38	157.06

SIDE ROAD CROSS DRAIN TABULATION

STATION	LOCATION	RCP CLASS III OR CMP 14 GA. OR HDPE OR PVC OR SRTRP FILL HEIGHT < OR = 16 FT. 24" (L.F.)	SKEW	END TREATMENT INLET TYPE	INLET DRAWING NO.	OUTLET TYPE	OUTLET DRAWING NO.	HEADWALLS (CROSS DRAI) 24" 3:1 611-07.57 (EACH)	HEADWALLS (CROSS DRAI) 24" 6:1 611-07.59 (EACH)	STRUCT. STEEL 611-07.03 (LBS.)	REMARKS
10+80.94	REBEL RD.	77.44	90°			3:1	D-SEW-1A D-PE-24A	1		296	
50+81.00	MAJ. J BURNETT RD.	56.22	90°	6:1	D-SEW-1A D-PE-24A	6:1	D-SEW-1A D-PE-24A		2	592	
70+91.50	COSBY CUTOFF #1	100.5	81° LT	6:1	D-SEW-1A D-PE-24A	6:1	D-SEW-1A D-PE-24A		2	592	
80+87.58	COSBY CUTOFF #2	77.74	74°36'42" RT	6:1	D-SEW-1A D-PE-24A	6:1	D-PE-24A D-SEW-1A		2	592	
TOTALS		311.9						1	6	2072	

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TABULATED QUANTITIES

SHEET 7 OF 8

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	2V

REMOVAL OF STRUCTURES & OBSTRUCTIONS

SHEET NO.	LOCATION	STATION	STATION	OFFSET	DESCRIPTION	REMARKS
5	SR 32	116+03.33		77.4' RT	WINGWALL AT 8'X4' RCBC	
6	REBEL RD	10+26.24		0	62.77 L.F. - 18" RCP CROSS DRAIN & ENDWALLS	
6	SR 32	137+25.74	137+65.17	38.9' RT	40.84 L.F. - 18" CMP SIDE DRAIN	
7	SR 32	139+90.19		135.85' RT	40.23 L.F. - 18" CMP SIDE DRAIN	ON WATCHMAN WAY
8	SR 32	157+22.06		60.73' RT	40.45 L.F. - 18" PLASTIC SIDE DRAIN	
8	SR 32	162+66.41		10.26' RT	40.47 L.F. - 18" CMP SIDE DRAIN	
9	OLD HWY 32 NO 2	30+05.95		0	56.34 L.F. - 18" RCP CROSS DRAIN & ENDWALLS	
9	OLD HWY 32 NO 2	32+23.91		29.53' RT	50.19 L.F. - 15" CMP SIDE DRAIN	
10	SR 32	187+00.20		21' RT	40.13 L.F. - 24" CMP SIDE DRAIN	
10	SR 32	188+26.82		28.21' RT	39.68 L.F. - 24" CMP SIDE DRAIN	
10	SR 32	188+95.45		130.86' RT	20.19 L.F. - 15" CMP SIDE DRAIN	
10	SR 32	190+19.05		114.45' RT	19.79 L.F. - 18" CMP SIDE DRAIN	
11	SR 32	192+96.12		11.26' RT	30.40 L.F. - 36" CMP SIDE DRAIN	
11	SR 32	193+03.40		103.73' RT	39.28 L.F. - 15" CMP SIDE DRAIN	
11	SR 32	195+37.84		10.54' RT	30.14 L.F. - 30" CMP SIDE DRAIN	
11	SR 32	195+35.45		107.20' RT	27.58 L.F. - 15" CMP SIDE DRAIN	
11	SR 32	195+81.65		10.98' RT	29.93 L.F. - 30" CMP SIDE DRAIN	
11	SR 32	195+82.99		106.78' RT	21.08 L.F. - 15" CMP SIDE DRAIN & ENDWALLS	
11	SR 32	196+96.18		10.12' RT	30.32 L.F. - 30" CMP SIDE DRAIN	
11	SR 32	196+98.45		107.36' RT	21.24 L.F. - 15" RCP SIDE DRAIN & ENDWALLS	
11	SR 32	198+62.35		9.07' RT	39.92 L.F. - 30" CMP SIDE DRAIN	
11	SR 32	199+62.09		90.40' RT	32.82 L.F. - 18" RCP SIDE DRAIN	
11	SR 32	200+37.74		106.91' RT	39.52 L.F. - 15" CMP SIDE DRAIN	
12	ARMPRY ROAD NO. 1	41+98.27		42.94' LT	50.83 L.F. - 18" CMP SIDE DRAIN	
12	SR 32	212+93.53		6.69' RT	32.80 L.F. - 15" CMP SIDE DRAIN	
13	SR 32	227+26.50		15.76' RT	26.16 L.F. - 18" CMP SIDE DRAIN	
13	SR 32	229+71.11		102.4' RT	WINGWALL AT 3@15'X10' RCBB	
14	SR 32	233+34.87		150.16' RT	84.17 L.F. - 24" CMP SIDE DRAIN	
14	SR 32	238+19.74		10.24' RT	40.64 L.F. - 24" CMP SIDE DRAIN	
14	SR 32	241+34.67		8.31' RT	20.27 L.F. - 18" CMP SIDE DRAIN	
15	SR 32	248+68.21		6.64' RT	27.78 L.F. - 18" CMP SIDE DRAIN	
16	MAJ. JIM BURNETT DR.	50+06.52		0	69.70 L.F. - 18" CMP CROSS DRAIN	
16	SR 32	259+18.12		9.14' RT	28.29 L.F. - 18" CMP SIDE DRAIN	
16	SR 32	267+91.68		8.33' RT	19.70 L.F. - 18" CMP SIDE DRAIN	
17	SR 32	277+96.51		74.61' RT	90.26 L.F. - 18" RCP SIDE DRAIN	AT ACCESS ROAD
18	SR 32	282+73.78		82.96' RT	79.23 L.F. 18" CMP SIDE DRAIN	
18	SR 32	282+81.16		149.46' RT	32.76 L.F. - 18" CMP SIDE DRAIN	
18	SR 32	285+65.56		35.40' RT	40.27 L.F. - 18" CMP SIDE DRAIN	
18	SR 32	285+46.74		150.74' RT	29.52 L.F. - 18" CMP SIDE DRAIN	
18	SR 32	287+55.98		2.78' RT	19.77 L.F. - 18" CMP SIDE DRAIN	
18	SR 32	290+68.79		44.67' RT	50.17 L.F. - 18" CMP SIDE DRAIN	
18	SR 32	290+85.79		135.59' RT	40.91 L.F. - 18" CMP SIDE DRAIN	
19	COSBY CUTOFF NO. 1	70+28.34	71+45.11	25' +/- LT	113.8 L.F. CONCRETE PAVED DITCH	
20	SR 32	310+56.15		52.5' RT	WINGWALL AT 5'X6' RCBC	
20	SR 32	314+94.38		4.47' RT	19.20 L.F. - 18" CMP SIDE DRAIN	
21	SR 32	321+04.80		98.2' RT	WINGWALL AT 5'X5' RCBC	
21	SR 32	327+44.74		12.28' RT	19.96 L.F. - 18" CMP SIDE DRAIN	
22	SR 32	336+50.41		11.37' RT	20.25 L.F. - 18" CMP SIDE DRAIN	
23	SR 32	351+30.52		8.56' RT	40.98 L.F. - 15" CMP SIDE DRAIN	
24	EPLEY ROAD	78+99.86		0	65.99 L.F. - 18" PLASTIC STORM SEWER PIPE	
24	EPLEY ROAD	78+95.45		41.77' RT	CATCHBASIN	
24	COSBY CUTOFF NO. 2	80+56.74		0	75.54 L.F. - 18" RCP CROSS DRAIN & ENDWALLS	
24	COSBY CUTOFF NO. 2	81+16.27		82.87' RT	42.51 L.F. - 24" CMP SIDE DRAIN & ENDWALLS	

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STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

SHEET 8 OF 8

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	3
CONST.	2015	HPP/STP-32(57)	3

RIGHT - OF - WAY NOTES

(1) IT IS INTENDED THAT ALL BUILDINGS AND/OR PORTIONS OF BUILDINGS THAT ARE WITHIN THE PROPOSED RIGHT-OF-WAY AND/OR EASEMENT LINES FOR THE PROJECT BE REMOVED THERE FROM IN THE PROCESS OF RIGHT-OF-WAY ACQUISITION. IF ANY SUCH BUILDINGS OR IMPROVEMENTS ARE NOT REMOVED IN THE COURSE OF RIGHT-OF-WAY ACQUISITION, THE CIVIL ENGINEERING MANAGER 2, DESIGN DIVISION IS TO BE NOTIFIED IN SUFFICIENT TIME TO PERMIT HAVING SUCH REMOVALS DESIGNATED AS A PART OF THE CONSTRUCTION CONTRACT.

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

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

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

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

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

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

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

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

UTILITIES NOTES

(1) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED. 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.

UTILITY OWNERS

CABLE:
CHARTER COMMUNICATIONS
TRI-CITIES ENGINEERING DEPT.
10417 WALLACE ALLEY ST.
KINGSPORT, TN 37663
423-791-3816 (CELL)
MIKE ROBERTS
MIKE.ROBETS@CHARTERCOM.COM

ELECTRIC:
NEWPORT UTILITIES BOARD
P.O. BOX 519
NEWPORT, TN 37821
423-625-2809
JIMMY ROBERTSON

GAS:
JEFFERSON-COCKE UTILITY DISTRICT
122 HWY 25E
NEWPORT, TN 37821
423-623-3069
TOMMY BIBLE
865-475-7911 (OFFICE)
865-322-2302 (CELL)
DANNY BARDING

SEWER:
NEWPORT UTILITES BOARD
WASTEWATERS
P.O. BOX 519
NEWPORT, TN 37821
423-625-2847
CARROL PROFFITT

TELEPHONE:
BELLSOUTH TELECOM INC. DBA AT&T TN
9733 PARKSIDE DRIVE
KNOXVILLE, TN 37922
865-470-8519
DAVID OVERMAN

WATER:
NEWPORT UTILITIES BOARD
P.O. BOX 519
NEWPORT, TN 37821
423-625-2819
LEONARD ALLEN

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Brian H. Trotter
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COMMERCE
NO. 109211
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

R.O.W. NOTES & UTILITY OWNERS

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	3A
CONST.	2015	HPP/STP-32(57)	3A

REV 06-05-13: REMOVED CONST. ESMT. FROM TRACT 2, ADDED LINE THRU; CORRECTED SPELLING OF OWNER NAME TRACT 4

BEGIN PROJ. NO. HPP/STP-32(57) CONST.
STA. 107+95.08

BEGIN PROJ. NO. HPP/STP-32(57) R.O.W.
STA. 112+25.00

N

100 105 110 115 120 125 130 135 140 145 150

78 GREG FODNESS & WIFE SHIRLEY FODNESS

80 JOHN D. JEPSON & WFE DARBY A. JEPSON

81 FRED M. HOLT & WIFE VICKI V. HOLT

79 ELBERT S. CARVER

LARRY W. REED & WIFE CARLENE REED

BOBBY L. BATES & WIFE SUSAN C. BATES

WILLIAM F. SPROUSE & WIFE BOBBIE SPROUSE

COSBY CREEK

STR-1 STR-2

S.R. 32

SR 73 (WILTON SPRINGS RD.)

OLD HWY 32

PRES. R.O.W.

MATCH LINE SEE SHEET NO. 3B STA. 155+00

1 2 3 4 5 6 7 8 8A 9 10 11 12 13

CAV-1 SNK-1 WWC-1 WWC-2 WWC-3 STR-3 STR-4 SPG-1 SWL-1 WTL-1

REBEL RD.

15

SHIRLEY R.FASSETT & WIFE IRENE M. FASSETT

BEN GAY HICKS

FRED M. HOLT & WIFE VICKI V. HOLT

RONALD RAINES & WIFE PAULINE RAINES

DONNA KATE WILLIAMSON

JACKIE WILSON & WIFE SHERRI WILSON

LARRY WEBB ETAL

LARRY WEBB AND DR. GARY D. HAMILTON

JERRY L. SISK

HARRY DAWSON & WIFE, PAGE DAWSON

GARY. L. BALL & WIFE, KRISTI N. BALL

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter REGISTERED ENGINEER STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

BEGIN PROJ. TO STA. 155+00

SCALE: 1"=200'

10/15/2014
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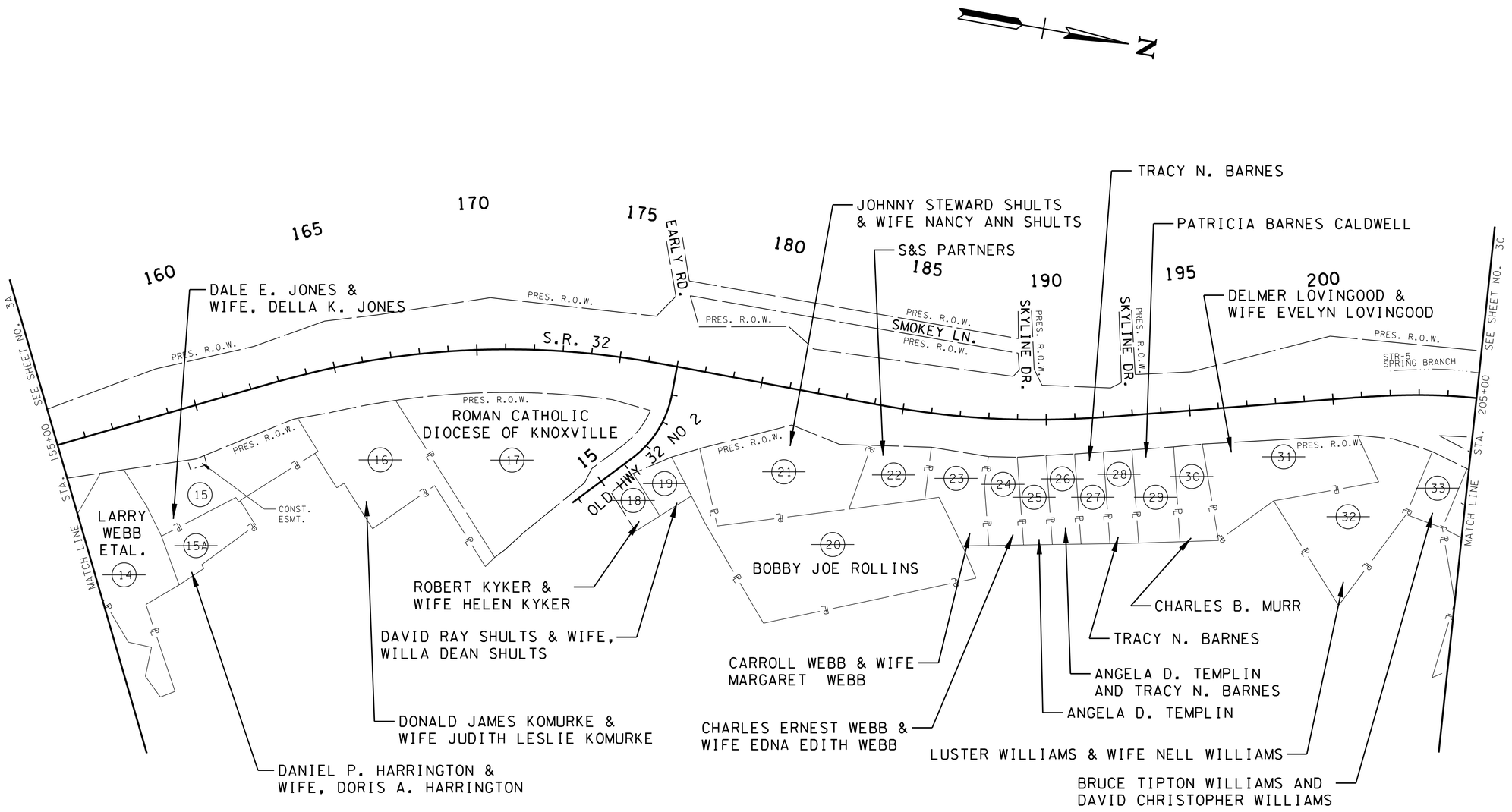
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	3B
CONST.	2015	HPP/STP-32(57)	3B



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 155+00 TO STA. 205+00

SCALE: 1"=200'

10/15/2014
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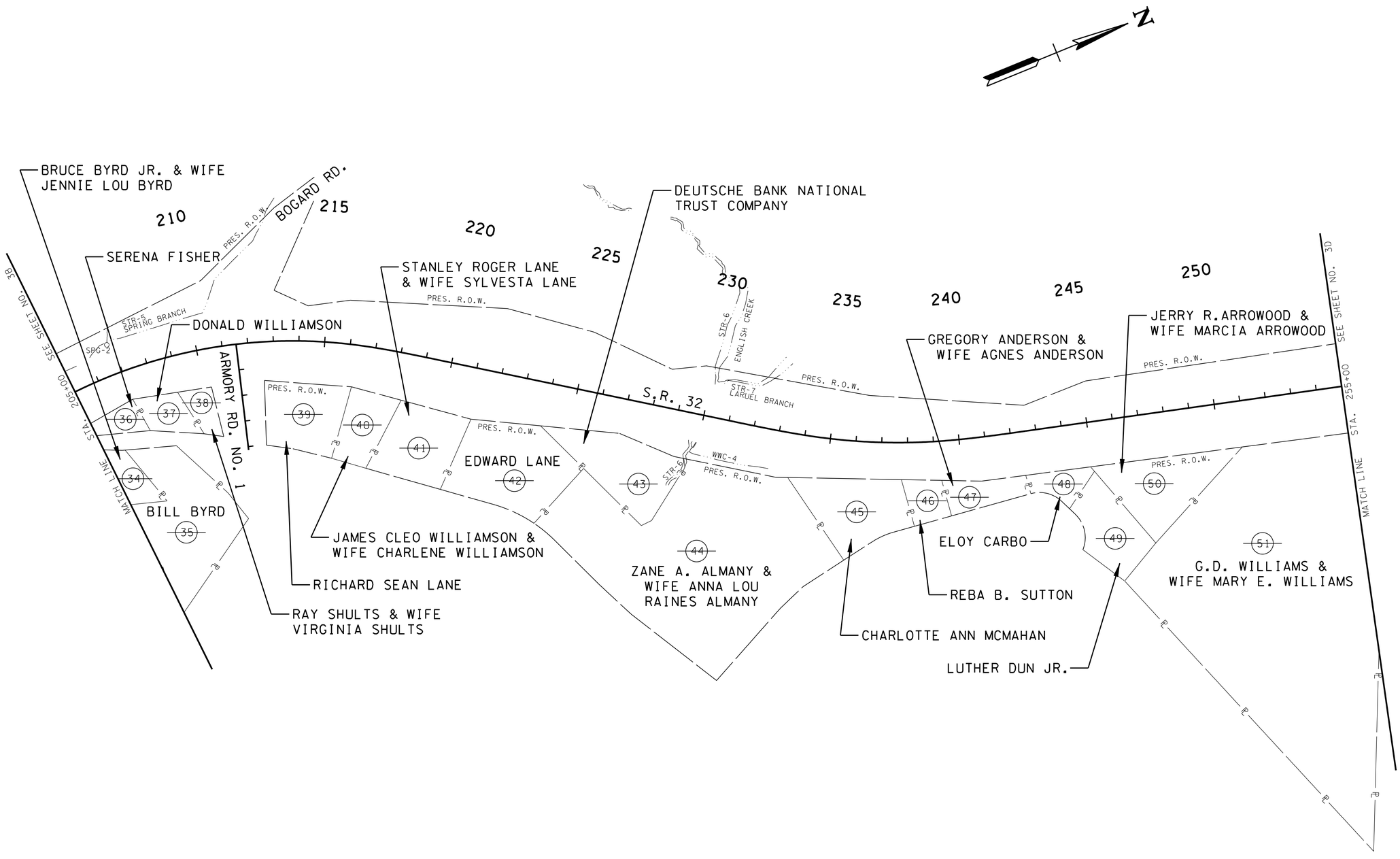
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	3C
CONST.	2015	HPP/STP-32(57)	3C



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 205+00 TO STA. 255+00

SCALE: 1"=200'

10/15/2014
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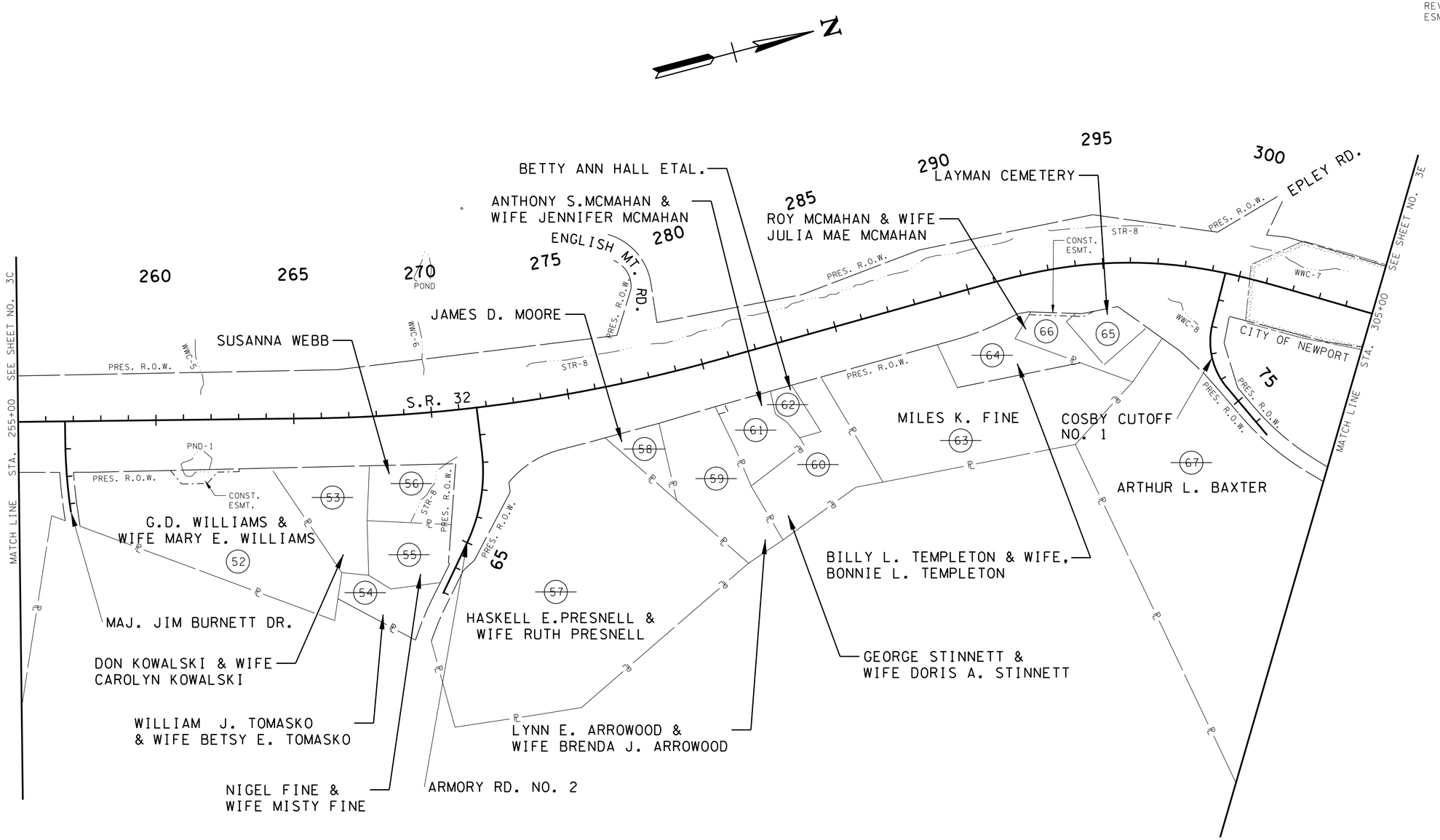
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	3D
CONST.	2015	HPP/STP-32(57)	3D

REV 06-05-13: REVISED CONST. ESMT. TRACT 65



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 255+00 TO STA. 305+00

SCALE: 1"=200'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	3E
CONST.	2015	HPP/STP-32(57)	3E

END PROJ. NO. HPP/STP-32(57) R.O.W.
STA. 342+50.00

N

SEE SHEET NO. 3D

MATCH LINE STA. 305+00

310 315 320 325 330 335 340 345 350

CITY OF NEWPORT

POND

PND-3

PRES. R.O.W.

PRES. R.O.W. CITY OF NEWPORT

PRES. R.O.W.

STR-9

WWC-10 WWC-11

WWC-9

S.R. 32

PRES. R.O.W.

CONST. ESMT.

CITY OF NEWPORT

PROP. R.O.W.

PND-2

RONALD GREEN
AND DEBBIE GREEN

68 ALBERT B. BAXTER

69

70 RONALD LAWS &
WIFE CAROLYN LAWS

71 HANSEL L. ALMANY

72

73 CHARLOTTE MIMS

74

LARRY MARLAN STRICKLER

COSBY CUTOFF NO. 1

COSBY CUTOFF NO. 2

67

MORRIS CEMETERY

ARTHUR L. BAXTER

SEE SHEET NO. 3F

MATCH LINE STA. 355+00

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104319
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 305+00 TO STA. 355+00

SCALE: 1"=200'

10/15/2014
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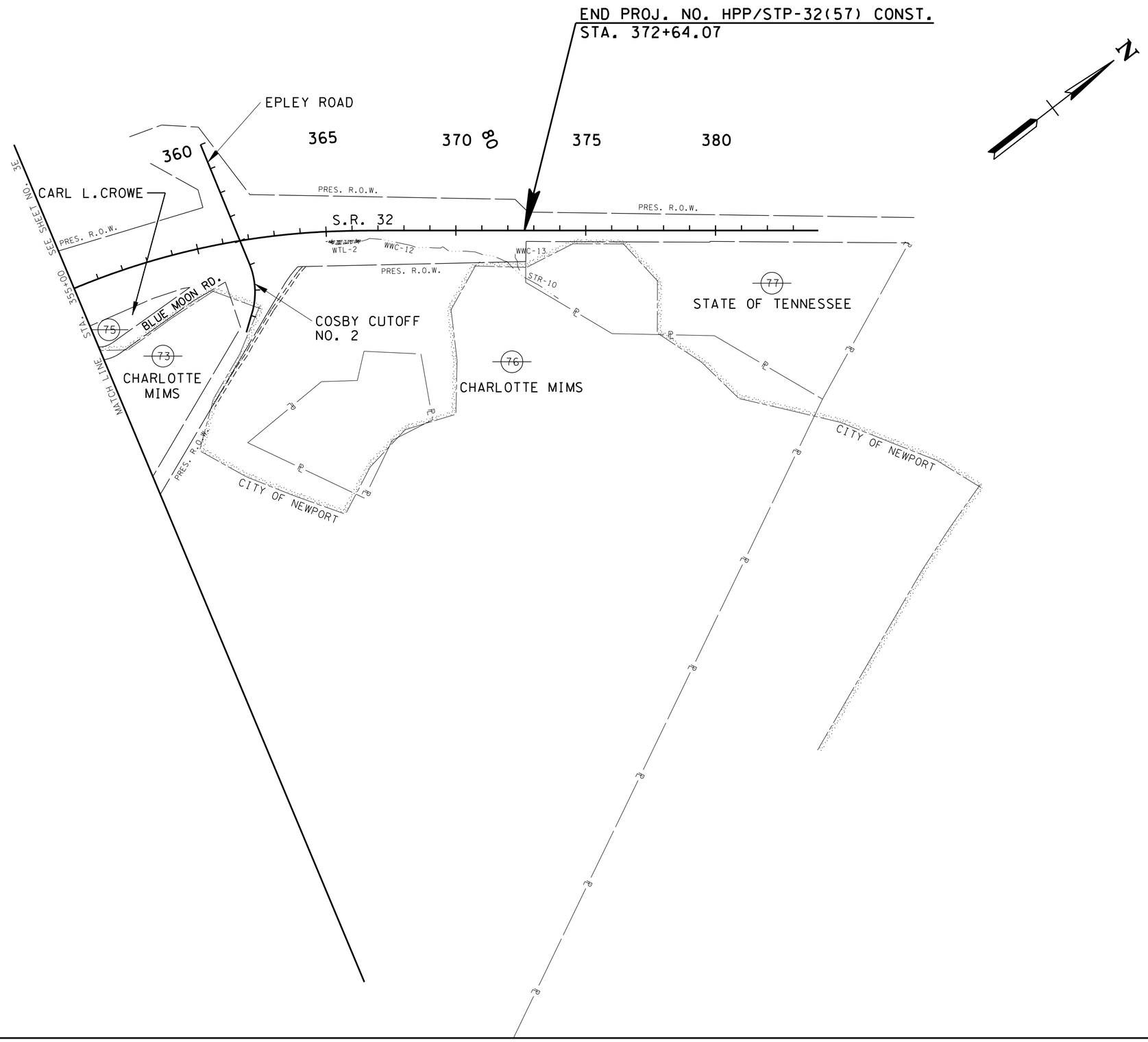
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	3F
CONST.	2015	HPP/STP-32(57)	3F



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA.355+00 TO END PROJ.

SCALE: 1"=200'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	3G
CONST.	2015	HPP/STP-32(57)	3G

REV 06-05-13: REMOVED ESMT. & FOOTNOTE FROM TRACT 2, LINED THRU TRACT; CORRECTED SPELLING OF OWNER NAME TRACT 4

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~~	~~SHIRLEY R.FASSETT & WIFE IRENE M. FASSETT~~	~~93~~	~~38.03~~	~~1072~~	~~557~~		~~2.984~~	~~2.984~~					~~2.984~~				
~~2~~	~~BEN GAY HICKS~~	~~93~~	~~38.01~~	~~1175~~	~~622~~		~~11.195~~	~~11.195~~					~~11.195~~				
~~3~~	~~FRED M. HOLT & WIFE VICKI V. HOLT~~	~~93~~ ~~83~~	~~81.16~~ ~~81.13~~	~~1248~~ ~~1239~~	~~386~~ ~~887~~		~~7.776~~	~~7.776~~					~~7.776~~				
~~4~~	~~RONALD RAINES & WIFE PAULINE RAINES~~	~~83~~	~~44.16~~	~~1146~~	~~843~~		~~1.123~~	~~1.123~~					~~1.123~~				
~~5~~	~~DONNA KATE WILLIAMSON~~	~~83~~	~~44.15~~	~~1147~~	~~200~~		~~2.222~~	~~2.222~~					~~2.222~~				
~~6~~	~~JACKIE WILSON & WIFE SHERRI WILSON~~	~~83~~	~~45.28~~	~~209~~	~~320~~		~~2.712~~	~~2.712~~					~~2.712~~				
~~7~~	~~LARRY WEBB ETAL.~~	~~83~~	~~82~~	~~267~~	~~383~~		~~7.680~~	~~7.680~~					~~7.680~~				
~~8A~~	~~GARY L. BALL & WIFE, KRISTI N. BALL~~	~~83~~	~~82.14~~	~~1286~~	~~787~~		~~1.678~~	~~1.678~~					~~1.678~~				
~~8~~	~~HARRY DAWSON & WIFE, PAGE DAWSON~~	~~83~~	~~82.12~~	~~1159~~	~~443~~												
~~9~~	~~WILLIAM F. SPROUSE & WIFE BOBBIE SPROUSE~~	~~83~~	~~82.08~~	~~313~~	~~229~~		~~1.019~~	~~1.019~~					~~1.019~~				
~~10~~	~~LARRY WEBB AND DR. GARY D. HAMILTON~~	~~83~~	~~45.2~~	~~1019~~ ~~218~~ ~~210~~	~~241~~ ~~106~~ ~~183~~		~~9.331~~	~~9.331~~					~~9.331~~				
~~11~~	~~JERRY L. SISK~~	~~83E-B~~	~~23~~	~~1255~~	~~120~~		~~0.597~~	~~0.597~~					~~0.597~~				
~~12~~	~~BOBBY L. BATES & WIFE SUSAN C. BATES~~	~~83~~	~~45.25~~	~~242~~ ~~226~~	~~186~~ ~~343~~		~~0.507~~	~~0.507~~					~~0.507~~				
~~13~~	~~LARRY W. REED & WIFE CARLENE REED~~	~~83E-B~~ ~~83E-B~~	~~22~~ ~~21~~	~~237~~ ~~1013~~	~~117~~ ~~397~~		~~1.255~~	~~1.255~~					~~1.255~~				
~~14~~	~~LARRY WEBB ETAL.~~	~~83E-B~~	~~20~~	~~225~~ ~~223~~	~~299~~ ~~268~~		~~3.295~~	~~3.295~~					~~3.295~~				
15	DALE E. JONES & WIFE, DELLA K. JONES	83 83E-B	45.4 7	1294 1294	570 572		2.668	2.668					2.668			1910	① ⑤
~~15A~~	~~DANIEL P. HARRINGTON & WFIE, DORIS A. HARRINGTON~~	~~83~~	~~45.45~~	~~1296~~	~~599~~		~~1.053~~	~~1.053~~					~~1.053~~				
~~16~~	~~DONALD JAMES KOMURKE & WIFE JUDITH LESLIE KOMURKE~~	~~83E-B~~	~~8~~	~~1237~~	~~596~~		~~3.215~~	~~3.215~~					~~3.215~~				
~~17~~	~~ROMAN CATHOLIC DIOCESE OF KNOXVILLE~~	~~83~~	~~45.08~~	~~1068~~	~~682~~		~~6.300~~	~~6.300~~					~~6.300~~				
~~18~~	~~ROBERT KYKER & WIFE HELEN KYKER~~	~~83D-A~~	~~22~~	~~155~~	~~177~~		~~0.382~~	~~0.382~~					~~0.382~~				
~~19~~	~~DAVID RAY SHULTS & WIFE, WILLA DEAN SHULTS~~	~~83D-A~~	~~23~~	~~366~~	~~68~~		~~0.514~~	~~0.514~~					~~0.514~~				
~~20~~	~~BOBBY JOE ROLLINS~~	~~83D-A~~	~~24.01~~	~~315~~	~~285~~		~~6.370~~	~~6.370~~					~~6.370~~				
~~21~~	~~JOHNNY STEWARD SHULTS & WIFE NANCY ANN SHULTS~~	~~83C-D~~	~~1~~	~~152~~	~~260~~		~~3.410~~	~~3.410~~					~~3.410~~				
~~22~~	~~S&S PARTNERS~~	~~83C-D~~	~~2~~	~~1150~~	~~29~~		~~1.076~~	~~1.076~~					~~1.076~~				
~~23~~	~~CARROLL WEBB & WIFE MARGARET WEBB~~	~~83C-D~~ ~~83C-D~~	~~3~~ ~~4~~	~~1087~~ ~~1087~~	~~270~~ ~~270~~		~~1.229~~	~~1.229~~					~~1.229~~				
~~24~~	~~CHARLES ERNEST WEBB & WIFE EDNA EDITH WEBB~~	~~83C-D~~	~~5~~	~~1034~~	~~453~~		~~0.832~~	~~0.832~~					~~0.832~~				
~~25~~	~~ANGELA D. TEMPLIN~~	~~83C-D~~	~~6~~	~~326~~	~~157~~		~~0.707~~	~~0.707~~					~~0.707~~				
~~26~~	~~ANGELA D. TEMPLIN AND TRACY N. BARNES~~	~~83C-D~~	~~7~~	~~326~~	~~159~~		~~0.717~~	~~0.717~~					~~0.717~~				
~~27~~	~~TRACY N. BARNES~~	~~83C-D~~	~~8~~	~~326~~	~~161~~		~~0.728~~	~~0.728~~					~~0.728~~				
~~28~~	~~TRACY N. BARNES~~	~~83C-D~~	~~9~~	~~326~~	~~163~~		~~0.740~~	~~0.740~~					~~0.740~~				
~~29~~	~~PATRICIA BARNES CALDWELL~~	~~83C-D~~	~~10~~	~~240~~	~~377~~		~~1.090~~	~~1.090~~					~~1.090~~				
~~30~~	~~CHARLES B. MURR~~	~~83C-D~~	~~11~~	~~101~~	~~289~~		~~0.898~~	~~0.898~~					~~0.898~~				

① SEPTIC SYSTEM FIELD LINE ENCROACHES ON STATE RIGHT-OF-WAY.
⑤ FOR EPSC MEASURES

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY ACQUISITION TABLE

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	3H
CONST.	2015	HPP/STP-32(57)	3H

R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA ACRES			AREA TO BE ACQUIRED ACRES			AREA REMAINING ACRES		EASEMENT (SQUARE FEET)			
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE BK.	PAGE	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM. DRAINAGE	SLOPE	CONST.	
31	DELMER LOVINGOOD & WIFE EVELYN LOVINGOOD	83	27	86	534		2.875	2.875					2.875				
32	LUSTER WILLIAMS & WIFE NELL WILLIAMS	73	64	76	48		3.188	3.188					3.188				
33	BRUCE TIPTON WILLIAMS AND DAVID CHRISTOPHER WILLIAMS	73	63	357	11		0.709	0.709					0.709				
34	BRUCE BYRD JR. & WIFE, JENNIE LOU BYRD	73	62	110	177		0.759	0.759					0.759				
35	BILL BYRD	73	61	360	004		3.900	3.900					3.900				
36	SERENA FISHER	73	65.01	365	293		0.491	0.491					0.491				②
37	DONALD WILLIAMSON	73	66	274	269		0.637	0.637					0.637				
38	RAY SHULTS & WIFE VIRGINIA SHULTS	73	99.02	319	106		0.429	0.429					0.429				
39	RICHARD SEAN LANE	73	67	355	397		1.802	1.802					1.802				③
40	JAMES CLEO WILLIAMSON & WIFE CHARLENE WILLIAMSON	73	68	308	34		1.123	1.123					1.123				
41	STANLEY ROGER LANE & WIFE SYLVESTA LANE	73	69.01	167 130	359 154		1.955	1.955					1.955				
42	EDWARD LANE	73	69	165	33		3.186	3.186					3.186				
43	DEUTSCHE BANK NATIONAL TRUST COMPANY	73	94	1212	808		2.284	2.284					2.284				
44	ZANE A. ALMANY & WIFE ANNA LOU RAINES ALMANY	73	70	1122 337 224	460 54 378		12.477	12.477					12.477				
45	CHARLOTTE ANN MCMAHAN	73	71.01	212	283		2.176	2.176					2.176				
46	REBA B. SUTTON	73	71	299	264		0.570	0.570					0.570				
47	GREGORY ANDERSON & WIFE AGNES ANDERSON	73	72.05	1244	157		0.751	0.751					0.751				
48	ELOY CARBO	73	72.07	1239	797		0.533	0.533					0.533				
49	LUTHER DUN JR.	73	72	346	279		1.606	1.606					1.606				
50	JERRY R.ARROWOOD & WIFE MARCIA ARROWOOD	73	82.55	1200 180	120 210		2.222	2.222					2.222				
51	G.D. WILLIAMS & WIFE MARY E. WILLIAMS	73	82	223	289		21.821	21.821					21.821				
52	G.D. WILLIAMS & WIFE MARY E. WILLIAMS	73	82	223	289		7.196	7.196					7.196			0.174 AC	⑥
53	DON KOWALSKI & WIFE, CAROLYN KOWALSKI	73	81.07	1200	112		1.992	1.992					1.992				
54	WILLIAM J.TOMASKO & WIFE BETSY E. TOMASKO	73	81.04	1268	206		1.085	1.085					1.085				
55	NIGEL FINE & WIFE MISTY FINE	73	81.05	1200	93		1.501	1.501					1.501				
56	SUSANNA WEBB	73	81.06	1200	126		1.491	1.491					1.491				
57	HASKELL E.PRESNELL & WIFE RUTH PRESNELL	73	23	344 229	286 264		16.290	16.290					16.290				
58	JAMES D. MOORE	73	20.02	1018	219		0.667	0.667					0.667				
59	LYNN E. ARROWOOD & WIFE BRENDA J. ARROWOOD	73	20.04	133	254		2.936	2.936					2.936				
60	GEORGE STINNETT & WIFE DORIS A. STINNETT	73 64	20.01 67.01	1002 367 1231	708 133 840		2.752	2.752					2.752				
61	ANTHONY S.MCMAHAN & WIFE JENNIFER MCMAHAN	73	20	1080	503		1.324	1.324					1.324				

② SEPTIC TANK AND FIELD LINES ON STATE RIGHT-OF-WAY.
③ KEROSENE STORAGE TANKS ON STATE RIGHT-OF-WAY AND BUILDING CANOPY ENCROACHES ON STATE RIGHT-OF-WAY.
⑥ FOR REMOVAL OF POND

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY ACQUISITION TABLE

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	3I
CONST.	2015	HPP/STP-32(57)	3I

REV 06-05-13: REVISED CONST. ESMT. AREA TRACT 65

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.	
62	BETTY ANN HALL ETAL.	73	20.03	367	235		0.407	0.407					0.407				
63	MILES K. FINE	64	67	328	372		7.406	7.406					7.406				
		64	64	1006	413												
64	BILLY L. TEMPLETON & WIFE, BONNIE L. TEMPLETON	64	64.01	1321	24		1.505	1.505					1.505				
65	LAYMAN CEMETERY	64	47.15	0	0		1.201	1.201					1.201			567	④
66	ROY MCMAHAN & WIFE JULIA MAE MCMAHAN	64	47.14	193	222		0.755	0.755					0.755			1604	⑤
67	ARTHUR L. BAXTER	64	63	217	172		23.786	23.786					23.786				
68	ALBERT B. BAXTER	64	61	82	247		21.569	21.569					21.569				
69	MORRIS CEMETERY	64	61.02	0	0		0.704	0.704					0.704				
70	RONALD LAWS & WIFE CAROLYN LAWS	64	60	1033	536		22.663	22.663		0.199	0.199		22.464				
71	HANSEL L. ALMANY	64	52	85	386		6.515	6.515					6.515			1663	⑤
72	LARRY MARLAN STRICKLER	64	55.03	350	93		4.213	4.213					4.213			1414	⑤
73	CHARLOTTE MIMS	65	6.04	3	463		19.078	19.078					19.078				
74	RONALD GREEN AND DEBBIE GREEN	64	55.01	222	407		0.688	0.688					0.688				
75	CARL L. CROWE	64	55.05	64	413		0.637	0.637					0.637				
76	CHARLOTTE MIMS	65	6	3	463		140.332	140.332					140.332				
		65	6.04	3	463												
77	STATE OF TENNESSEE	56	16.01	82	149		12.112	12.112					12.112				
		56	16	82	149												
78	GREG FODNESS & WIFE SHIRLEY FODNESS	93	38.12	1351	310	9.695		9.695				9.695					
79	ELBERT S. CARVER	93	38	1303	87	6.015		6.015				6.015					
80	JOHN D. JEPSON & WFE DARBY A. JEPSON	83	81.11	1010	98	2.067		2.067				2.067					
81	FRED M. HOLT & WIFE VICKI V. HOLT	83	81.14	83	81.14	2.144		2.144				2.144					

④ DRIVEWAY ENCROACHES ON STATE RIGHT-OF-WAY.
⑤ FOR EPSC MEASURES

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104319
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY ACQUISITION TABLE

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	4
CONST.	2015	HPP/STP-32(57)	4

REV 06-05-13: REMOVED CONST. ESMT. FROM TRACT 2, LINED THRU TRACT

REV 01-15-14: ADDED WATER LINE TO SURVEY ALONG WILTON SPRINGS RD.

REV. 03-10-14: ADDED FIELD ENTRANCE TO TRACT 2

N

BEGIN PROJ. NO. HPP/STP-32(57) R.O.W.
STA. 112+25.00
N 573028.8928
E 2791973.4810

78 HAY
GREG FODNESS &
WIFE SHIRLEY FODNESS

79
ELBERT S. CARVER
HAY

WOODS
N 84° 18' 43" W
90.50'
99+96.55
458.64'
R=500.96'
L=212.74'
100+96.03
272.39'
BUSTED
N 52° 45' 39" E
161.25'
102+01.01
150.00'
BUSTED
POT 100+00.00
6" W
P/T/TV
S.R. 32 STA. 100+00.00
N 571806.0280
E 2791901.1864
100
105
110
COSBY CREEK
STR-1
BRUSH
WOODS
S 3° 22' 19" W
598.60'
PRES. & PROP. R.O.W.
EIP
CAP
107+99.61
150.12'
110+47.03
162.16'
N 0° 35' 50" E
247.72'
EIP
CAP
S 0° 26' 56" W
153.17'
112+00.00
170.00'
112+77.58
488.95'
S 84° 55' 8" W
129.49'
TRAIL
N 82° 4' 58" W
401.27'
EXISTING BRIDGE
6-SPAN CONC. DECK GIRDER BRIDGE
TOTAL LENGTH 360'-0"
(RETAIN)
SR 32 (US 321) 24' ASP.
WITH 2@10' ASP. SH.
EXISTING GUARDRAIL
(TO BE REMOVED)
S.R. 32
N 3° 23' 00" E
SERVICE
BRUSH
EXISTING GUARDRAIL
(TO BE REMOVED)
11' ASP. FASSETT WAY
MATCH LINE STA. 113+00 SEE SHT. NO. 5
17' ASP.
6" W
P/T/TV
104+02.18
150.00'
N 3° 23' 0" E
397.82'
PRES. & PROP. R.O.W.
N 5° 31' 49" E
222.23'
108+00.00
150.00'
110+22.07
158.33'
EIP
112+77.66
167.92'
N 53° 20' 4" E
133.35'
104+88.11
252.23'
STR-1
SHIRLEY R.FASSETT & WIFE IRENE M. FASSETT
1
WOODS
S 81° 50' 31" E
224.97'
GR.
N 36° 25' 10" W
248.28'
SERVICE
WOODS
2
BEN GAY HICKS
1-B.GAR.
SERVICE
BBQ
1-B.RES.
POOL
WOODS
LAWN
23' ASP. WILTON SPRINGS RD.
12' GR.
N 39° 38' 32" E
187.00'
106+38.90
362.83'
107+04.81
359.39'
N 0° 23' 48" E
66.00'
S 50° 28' 58" W
203.21'
1-1.0G
-RES.
EL.=1153.44
110+03.35
382.52'
N 34° 44' 28" W
203.65'
108+43.14
508.25'
LAWN

SEALED BY
Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 106131
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00010 AND TIED TO THE TDRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

BEGIN PROJ. TO STA. 113+00

SCALE: 1"= 50'

10/5/2014
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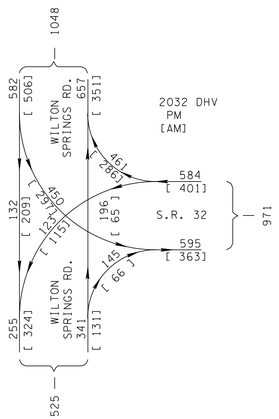
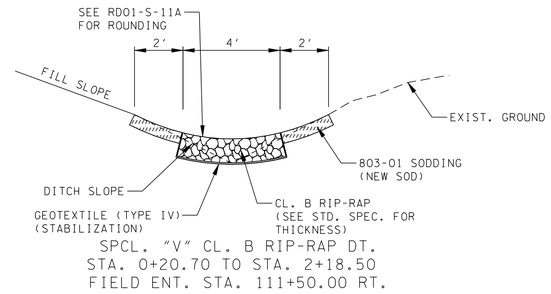
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	4A
CONST.	2015	HPP/STP-32(57)	4A

REV. 03-10-14: ADDED FIELD ENTRANCE RT STA. 112+00





SPCL. "V" CL. B RIP-RAP DT.
STA. 0+20.70 TO STA. 2+18.50
FIELD ENT. STA. 111+50.00 RT.

N

BEGIN PROJ. NO. HPP/STP-32(57) CONST.
STA. 107+95.08

100
105
110

POT 100+00.00

COSBY CREEK

STR-1

S.R. 32 STA. 100+00.00
N 571806.0280
E 2791901.1864

BEGIN COLD PLANE & OVERLAY EXISTING

EXISTING BRIDGE

401 / *38 GT. EL. 1166.00
OUT.EL. 1162.79

EXISTING PAVEMENT

PROPOSED GUARDRAIL

24'
24'
24'
24'

TYPE 38

S.R. 32

N 3° 23' 00" E

R 20'

R 20'

FUTURE BRIDGE

FUTURE LANES

FUTURE GUARDRAIL
TYPE 38

1S "8"

SPCL. "V" CL. B RIP-RAP DT.

402 / EW INV. 1162.00

R 30'

R 40'

STA. 111+50.00
14' PVT. DR.
25' - 18" S.D. REQD.
"SEW" ENDWALL OUT

LIMIT OF CONST.
3+10.40

WILTON SPRINGS RD.

STR-1

MATCH LINE STA. 113+00 SEE SHT. NO. 5A

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

BEGIN PROJ. TO STA. 113+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	4B
CONST.	2015	HPP/STP-32(57)	4B

DISCLAIMER

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EARTHWORK BALANCE

EXC. (UNCL.)	788,400 C.Y.	(INCL. 3,526 C.Y. FROM SIDE ROAD EXC. AREA$, 36,680 C.Y. FROM DRIVEWAYS AND ENTRANCES, 8,488 C.Y. FROM UNDERCUT AREAS, 2,184 C.Y. FROM EPSC MEASURES, 32,749 C.Y. TOPSOIL FROM EMB. AREAS AND 40,183 C.Y. TOPSOIL FROM EXC. AREAS)
EMB.	447,821 C.Y.	(INCL 2,101 C.Y. FOR SIDE ROAD EMB. AREAS, 5,515 C.Y. FOR DRIVEWAYS AND ENTRANCES, 14,978 C.Y. FOR GRADED SOLID ROCK EMB., 1,453 C.Y. FOR TRAFFIC CONTROL MEASURES AND 29,821 C.Y. TO REPLACE STRIPPED TOPSOIL)
SHR. 5%		

OH WIRE
STA. 111+95.75
LOW WIRE EL. 1207.56'
TEMP. 65° DEG.
2 POWER
1 TELEPHONE

VPT 111+00.00
EL. 1178.12

4.00%

FUTURE PROPOSED PROFILE GRADE

401 #38 GT. EL. 1166.00
OUT.EL. 1162.79

402 EW INV. 1162.00

VC = 1600.00'
K = 194
V = 60+ MPH

OH WIRE
STA. 103+72.07
LOW WIRE EL. 1176.44'
TEMP. 65° DEG.
4 POWER
2 TELEPHONE

END EXIST. BR.
STA. 108+04.80
EL. 1168.56

BEGIN EXIST. BR.
STA. 104+42.98
EL. 1162.97

EXISTING GROUND

PROP. 18" RCP

EXISTING 6-SPAN CONC. DECK GIRDER BRIDGE (RETAIN)

CB
STA. 104+21.38
56.76' (LT)
TOP 1159.70
INVERT 1154.87

24"

ST

F (UD)

-4.25%

4.00%

NORMAL WATER ELEV. 1148.9

BEGIN PROJ. NO. HPP/STP-32(57) CONST.
STA. 107+95.08

VPI 103+00.00
EL. 1146.12

100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00 111+00 112+00 113+00

1220 1215 1210 1205 1200 1195 1190 1185 1180 1175 1170 1165 1160 1155 1150 1145 1140 1135 1130 1125

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104210
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

BEGIN PROJ. TO STA. 113+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	5
CONST.	2015	HPP/STP-32(57)	5

REV 06-05-13: REMOVED CONST. ESMT. FROM TRACT 2, LINED THRU TRACT

REV 03-10-14: ADDED FIELD ENTRANCE RT TRACT 2

MEDIAN CROSSOVER
PI 6+97.08
N 573,984.5616
E 2,792,059.6609
Δ 10° 15' 47" (LT)
D 2° 00' 00"
R 2,864.79
L 513.15
T 257.26
SE 0.051 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH (SEE PROFILE)

R=666.62'
L=173.18'
N 10° 14' 10" E
136.13'
OLD HWY. 32
N 14° 44' 6" E
331.08'
114+44.90
446.20'
115+80.06
429.96'
119+04.66
364.79'
R=411.97'
L=125.12'
PIPE
120+29.16
359.03'
R=411.97'
L=102.10'
121+28.33
382.19'
N 16° 51' 56" W
86.76'
122+14.56
411.85'
R=307.03'
L=191.17'
EW
TPOST
MB
N 20° 22' 1" E
169.07'
124+17.27
414.24'
125+87.00
354.93'
81
FRED M. HOLT &
WIFE VICKI V. HOLT
125
CLEAR FIELD
1-F-SHED
115
79
ELBERT S. CARVER
BARBWIRE
STR-2
120
Z
ROCKS
WOODS
INV-1201.03
15" CMP
INV-1206.01
2-F-RES
F-GAR
F-SHED
POOL
80
JOHN D. JEPSON &
WFE DARBY A. JEPSON
S 83° 29' 56" E
211.19'
PC 121+47.33
N 73° 45' 18" W
280.48'
117+99.38
169.73'
120+17.68
148.15'
S 3° 24' 33" W
599.38'
PRES. & PROP. R.O.W.
S 9° 1' 48" W
219.36'
EIP
DISTURBED
S 9° 1' 48" W
182.01'
122+00.00
130.00'
123+40.09
143.54'
N 3° 29' 47" W
137.41'
S 3° 37' 50" E
708.34'
EXISTING GUARDRAIL
(TO BE REMOVED)
INV-1154.66
EW
P/T/TV
CP-S14
15-032-14
PC 4+39.82
CP-S15
15-032-15
(UG)
MATCH LINE STA. 113+00 SEE SHT. NO. 4
MATCH LINE STA. 126+00 SEE SHT. NO. 6
N 10° 43' 14" E
R4'
S.R. 32
N 3° 23' 00" E
PT 3+66.87
STA. 0+00.00 MEDIAN CROSSOVER =
STA. 114+90.72 SR 32 36' LT.
N 573296.2721
E 2791953.2253
INV-1153.07
ROCK BLUFF
WOODS
TOE OF FILL
N 5° 34' 28" E
321.96'
N 3° 25' 22" E
483.57'
TOP OF CUT
PRES. & PROP. R.O.W.
EIP
115+99.39
180.23'
116+16.25
180.23'
N 3° 23' 45" E
16.86'
CAV-1
N 86° 0' 34" E
275.15'
STA. 4+66.00 MEDIAN CROSSOVER =
STA. 119+54.92 SR 32
N 573757.5382
E 2792016.5578
STA. 9+52.96 MEDIAN CROSSOVER =
STA. 124+39.92 SR 32
N 574241.8150
E 2792061.7162
GRASS
N 7° 31' 36" E
255.01'
125+03.53
110.95'
N 24° 29' 28" W
231.47'
PT 9+52.96
120+99.83
180.57'
N 10° 56' 55" E
207.56'
123+00.00
210.00'
HAY
2
BEN GAY HICKS
3
FRED M. HOLT & WIFE VICKI V. HOLT
STR-2
116+51.57
453.11'
N 19° 35' 43" E
164.77'
118+09.78
499.11'
N 74° 9' 44" E
81.02'
N 2° 6' 55" E
259.89'
120+69.61
493.36'
MEDIAN CROSSOVER
PI 1+83.68
N 573,479.6364
E 2,791,964.0657
Δ 7° 20' 14" (RT)
D 2° 00' 00"
R 2,864.79
L 366.87
T 183.68
SE 0.051 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH (SEE PROFILE)
125+00.85
380.84'
EIP
N 10° 53' 37" W
397.75'
N 11° 53' 38" W
471.15'
10' GR.
F-SHED
LAWN
1-F-RES.
SERVICE
P/T
WOVEN WIRE
DOG HOUSE
PROPANE
1-F-RES.
DECK
DECK
SERVICE
SERVICE
SERVICE

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
TENNESSEE DEPARTMENT OF AGRICULTURE
NO. 104319
DEPARTMENT OF COMMERCE
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 113+00 TO STA. 126+00

SCALE: 1"= 50'

10/15/2014
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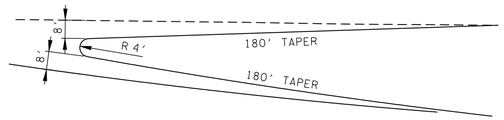
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

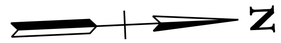
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	5A
CONST.	2015	HPP/STP-32(57)	5A

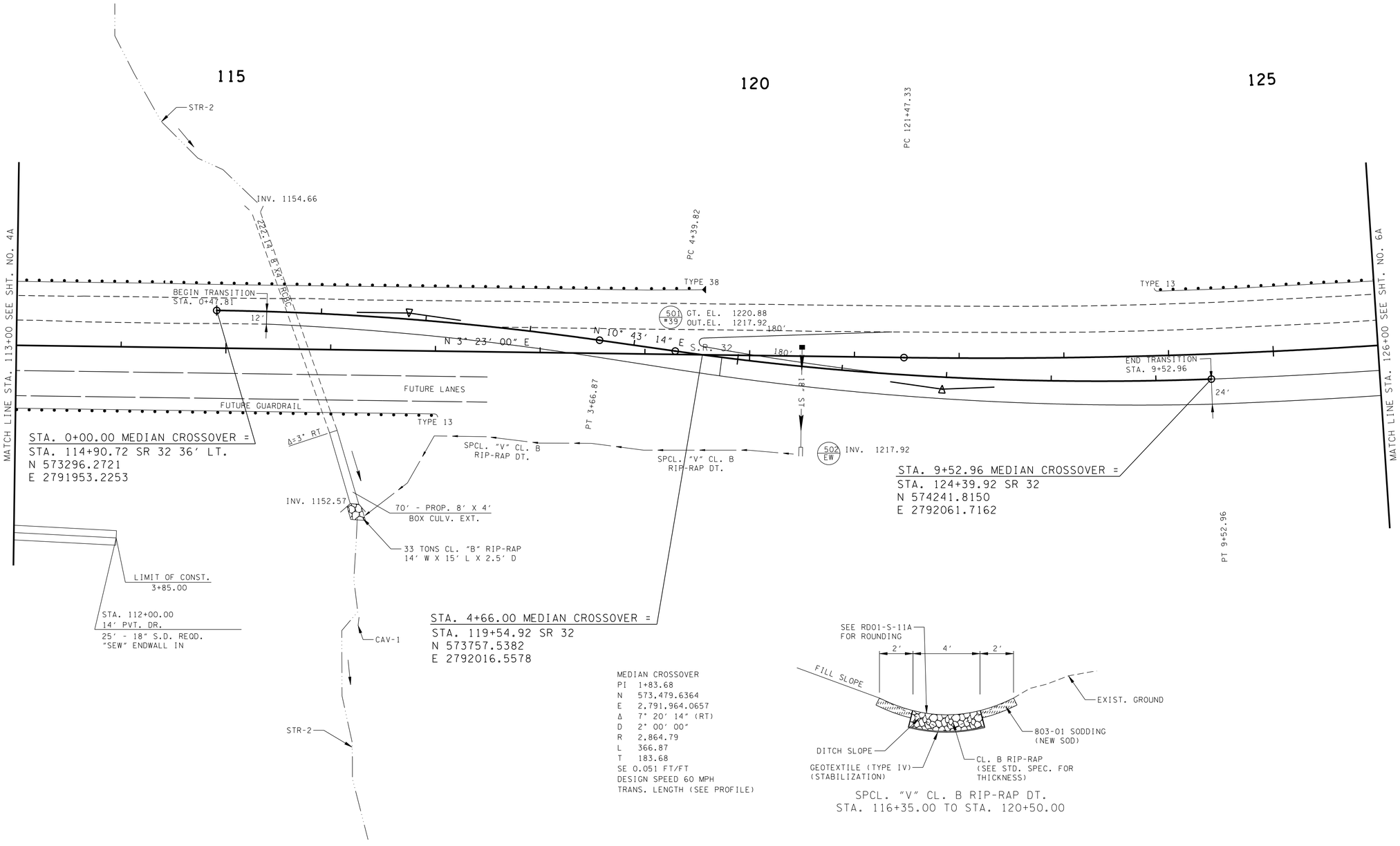
REV 03-10-14: ADDED FIELD ENTRANCE RT
STA.112+00



GORE DETAIL AT
MEDIAN CROSSOVER

MEDIAN CROSSOVER
PI 6+97.08
N 573,984.5616
E 2,792,059.6609
Δ 10° 15' 47" (LT)
D 2° 00' 00"
R 2,864.79
L 513.15
T 257.26
SE 0.051 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH (SEE PROFILE)





MEDIAN CROSSOVER
PI 1+83.68
N 573,479.6364
E 2,791,964.0657
Δ 7° 20' 14" (RT)
D 2° 00' 00"
R 2,864.79
L 366.87
T 183.68
SE 0.051 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH (SEE PROFILE)

SPCL. "V" CL. B RIP-RAP DT.
STA. 116+35.00 TO STA. 120+50.00

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 113+00 TO STA. 126+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	5B
CONST.	2015	HPP/STP-32(57)	5B

STATION	115+74.96
STRUCTURE	EXIST. 222.14' - 8' X 4' RCBC EXTEND 70' 8' X 4' RCBC
SKEW	69°46'53" RT
DRAINAGE AREA	102 AC.
DESIGN DISCHARGE (Q50)	127.3 CFS
DESIGN DISCHARGE (Q100)	152.8 CFS
Q50 HEADWATER ELEV.	1157.74
Q100 HEADWATER ELEV.	1158.10
VELOCITY (Q50)	9.04 FT/S
VELOCITY (Q100)	9.65 FT/S
INLET ELEVATION	1154.66
OUTLET ELEVATION	1152.55
STANDARD DRAWING NUMBERS	STD-17-1,STD-17-2,STD-17-3,STD-17-4, STD-17-5,STD-17-6,STD-17-7,STD-17-8, STD-17-9,STD-17-10,STD-17-12,STD-17-15, STD-17-16,STD-17-16,STD-17-16,STD-17-17, STD-17-18,STD-17-23,STD-17-24,STD-17-26, STD-17-28,STD-17-29,STD-17-52
CLASS "A" CONCRETE	59.15 C.Y.
STEEL BAR REINFORCING	13,560.90 LB.
FOUNDATION FILL MATERIAL	34.5 C.Y.

VC = 400.00'
K = 205
V = 60+ MPH

XCP S14
STA. 118+72.49, -64.19 (LT)
N 573679.0426
E 2791947.6103
ELEV 1210.83
ALLUM. DISK

XCP S15
STA. 125+35.95, -8.39'(LT)
N 574337.9612
E 2792029.2938
ELEV 1250.07
ALLUM. DISK

OH WIRE
STA. 125+16.99
LOW WIRE EL.1270.20'
TEMP. 65° DEG.
4 POWER
1 TELEPHONE

MATCH LINE THIS SHEET

VPC 115+00.00
EL. 1184.12
VPI 117+00.00
EL. 1202.12
VPT 119+00.00
EL. 1214.08
VPC 123+25.00
EL. 1239.33
VPI 118+50.00
EL. 1204.40
VPI 117+00.00
EL. 1198.56
VPI 120+00.00
EL. 1213.95
VPI 120+50.00
EL. 1217.90
VPI 116+50.00
EL. 1160.88
VPI 116+35.00
EL. 1152.50

4.00%
3.91%
6.35%
5.95%
75.36%
57.87%
7.90%

FUTURE PROPOSED PROFILE GRADE
EXISTING GROUND
F (UG)
SPCL. "V" CL. B RIP-RAP DT.

501 #39 GT. EL. 1220.88
OUT.EL. 1217.92
502 EW INV. 1217.90

PROP. 18" RCP

EXISTING
8' X 4' RCBC
I.E. 1153.07

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UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104218
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 113+00 TO STA. 126+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	5C
CONST.	2015	HPP/STP-32(57)	5C

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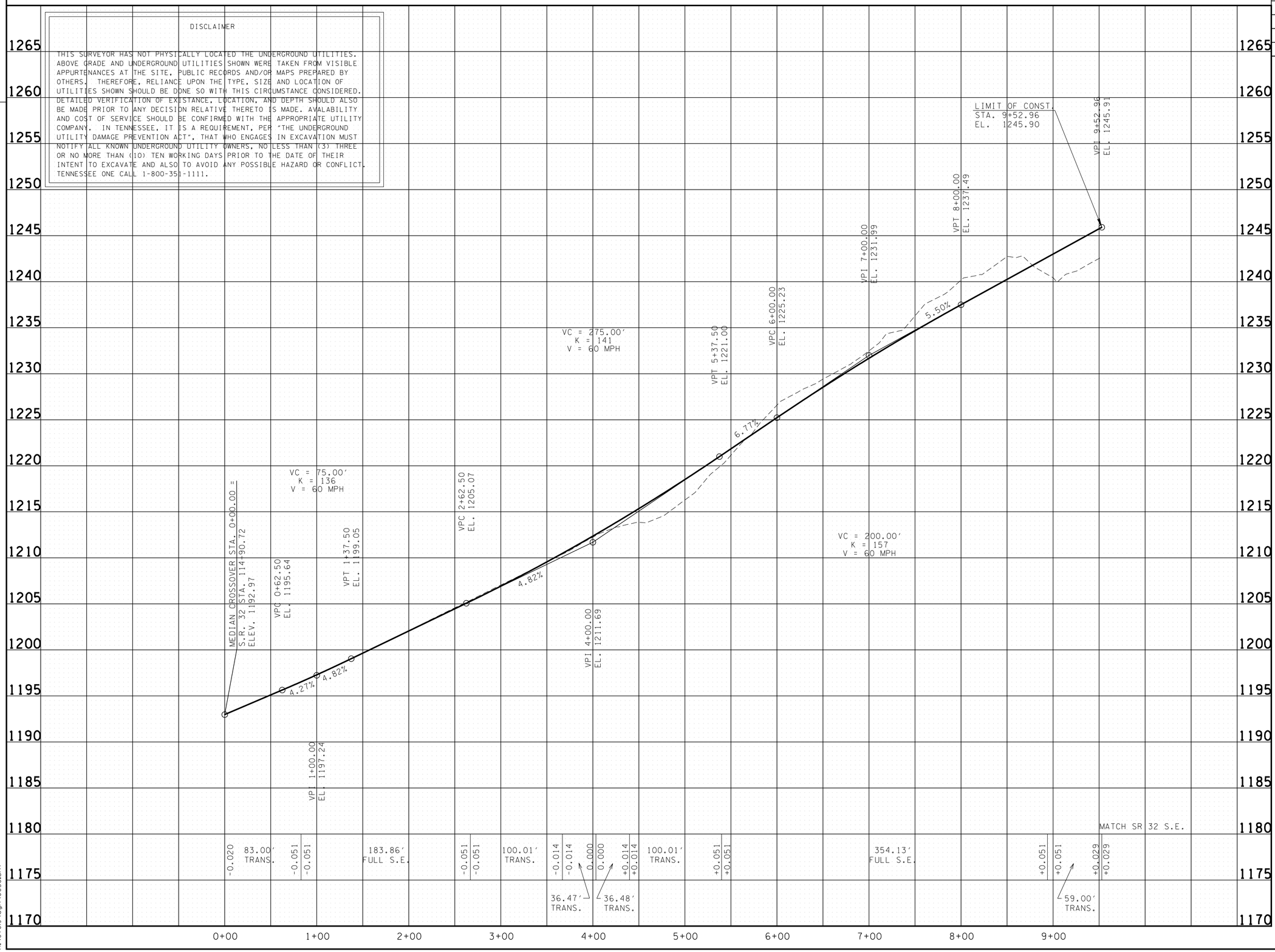

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

MEDIAN CROSSOVER

STA. 0+00 TO STA. 9+52.96

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

10/5/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	6
CONST.	2015	HPP/STP-32(57)	6

REV 06-05-13: CORRECTED SPELLING OF OWNER NAME TRACT 4

REV 01-15-14: ADDED POWER POLES EAST OF OLD SR. 32 AND WEST OF SR 32

N

S.R. 32
PI 136+65.11
N 575,464.7498
E 2,792,117.4865
Δ 29° 40′ 27″ (LT)
D 1° 00′ 00″
R 5,729.58
L 2,967.41
T 1,517.78
SE 0.029 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 200′

REBEL RD. STA. 10+00.00
S.R. 32 STA. 133+00.92
N 575100.2607
E 2791979.9959

REBEL ROAD
PI 16+52.87
N 574,697.7719
E 2,792,393.8304
Δ 10° 26′ 38″ (RT)
D 22° 00′ 00″
R 260.44
L 47.47
T 23.80

REBEL ROAD
PI 15+04.14
N 574,776.4270
E 2,792,262.0992
Δ 41° 13′ 23″ (LT)
D 40° 00′ 00″
R 143.24
L 103.06
T 53.87

REBEL ROAD
PI 13+71.92
N 575,120.5417
E 2,792,150.7149
Δ 78° 50′ 20″ (RT)
D 52° 05′ 13″
R 110.00
L 151.36
T 90.42
SE 0.080 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 160′

REBEL RD. STA. 17+22.41
N 574651.8027
E 2792446.1842

FRED M. HOLT & WIFE VICKI V. HOLT (81)

FRED M. HOLT & WIFE VICKI V. HOLT (3)

RONALD RAINES & WIFE PAULINE RAINES (4)

DONNA KATE WILLIAMSON (5)

JACKIE WILSON & WIFE SHERRI WILSON (6)

WILLIAM F. SPROUSE & WIFE BOBBIE SPROUSE (9)

LARRY WEBB ETAL. (7)

SEALED BY

Brian H. Troiler
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

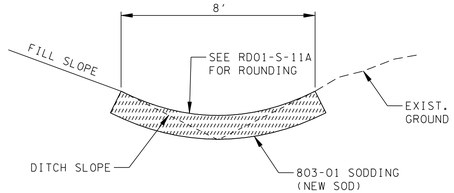
STA. 126+00 TO STA. 139+00

SCALE: 1″= 50′

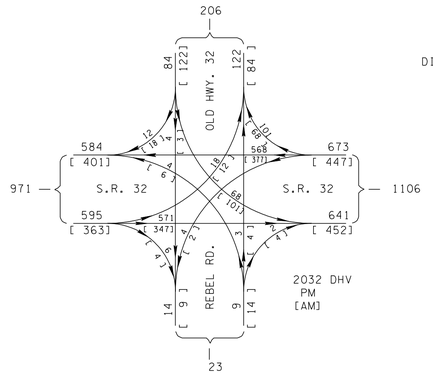
10/5/2014
n:\07019\dgn\006.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

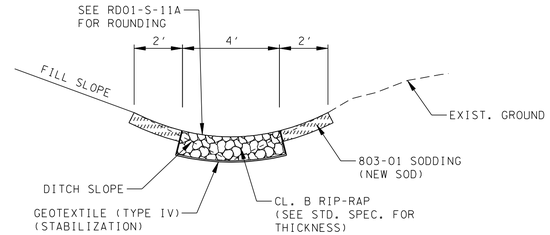
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	6A
CONST.	2015	HPP/STP-32(57)	6A



SPCL. "V" SOD DT.
STA. 10+82.40 TO STA. 12+00.00
RT. REBEL ROAD



S.R. 32
PI 136+65.11
N 575,464.7498
E 2,792,117.4865
Δ 29° 40′ 27″ (LT)
D 1° 00′ 00″
R 5,729.58
L 2,967.41
T 1,517.78
SE 0.029 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 200′



SPCL. "V" CL. B RIP-RAP DT.
STA. 130+75.00 TO STA. 132+50.00 RT. S.R. 32
STA. 10+80.12 TO STA. 12+00.00 LT. REBEL ROAD

130

135

OLD HWY. 32

REBEL RD. STA. 10+00.00 =
S.R. 32 STA. 133+00.92
N 575100.2607
E 2791979.9959

MATCH LINE STA. 126+00 SEE SHT. NO. 5A

TYPE 38

24′
24′
24′
24′

S.R. 32

18" RCP

N 83° 13′ 31" E

603 #38 GT. EL. 1282.28
IN. EL. 1271.92
OUT.EL. 1271.73

IN. EL. 1276.64

18" RCP

MATCH LINE STA. 139+00 SEE SHT. NO. 7A

601 #39 GT. EL. 1276.71
OUT.EL. 1273.75

18" RCP

R 50′

R 50′

605 EW INV. 1270.82

PC 10+81.50

LS

SPCL. "V" CL. B RIP-RAP DT.

PT 12+32.86

SPCL. "V" SOD DT.

SPCL. "V" CL. B RIP-RAP DT.

602 #42 GT. EL. 1275.09
IN. EL. 1271.59
OUT.EL. 1271.42

R 15′

R 15′

Δ=27°32′31" LT

604 JB TOP EL. 1272.83
IN. EL. 1269.37
OUT.EL. 1261.40

LIMIT OF CONST.
1+40.00

STA. 137+50.00
12′ FLD. ENT.
NO S.D. REQD.

15

PC 14+50.26

LIMIT OF CONST.
13+50.00

S 17° 56′ 09" E

REBEL ROAD

REBEL ROAD
PI 11+71.92
N 575,120.5417
E 2,792,150.7149
Δ 78° 50′ 20" (RT)
D 52° 05′ 13"
R 110.00
L 151.36
T 90.42
SE 0.080 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 160′

REBEL ROAD
PI 16+52.87
N 574,697.7719
E 2,792,393.8304
Δ 10° 26′ 38" (RT)
D 22° 00′ 00"
R 260.44
L 47.47
T 23.80

SNK-1

PT 15+53.32

PC 16+29.07

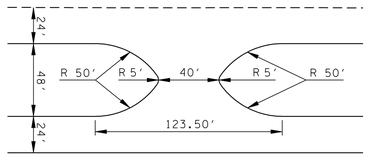
PT 16+76.54

S 59° 09′ 33" E

S 48° 42′ 55" E

REBEL RD. STA. 17+22.41
N 574651.8027
E 2792446.1842

REBEL ROAD
PI 15+04.14
N 574,776.4270
E 2,792,262.0992
Δ 41° 13′ 23" (LT)
D 40° 00′ 00"
R 143.24
L 103.06
T 53.87



TYPICAL MEDIAN OPENING

APPLIES TO ALL MEDIAN OPENINGS
UNLESS OTHERWISE NOTED ON PLANS

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 126+00 TO STA. 139+00

SCALE: 1"= 50′

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	6B
CONST.	2015	HPP/STP-32(57)	6B

DISCLAIMER

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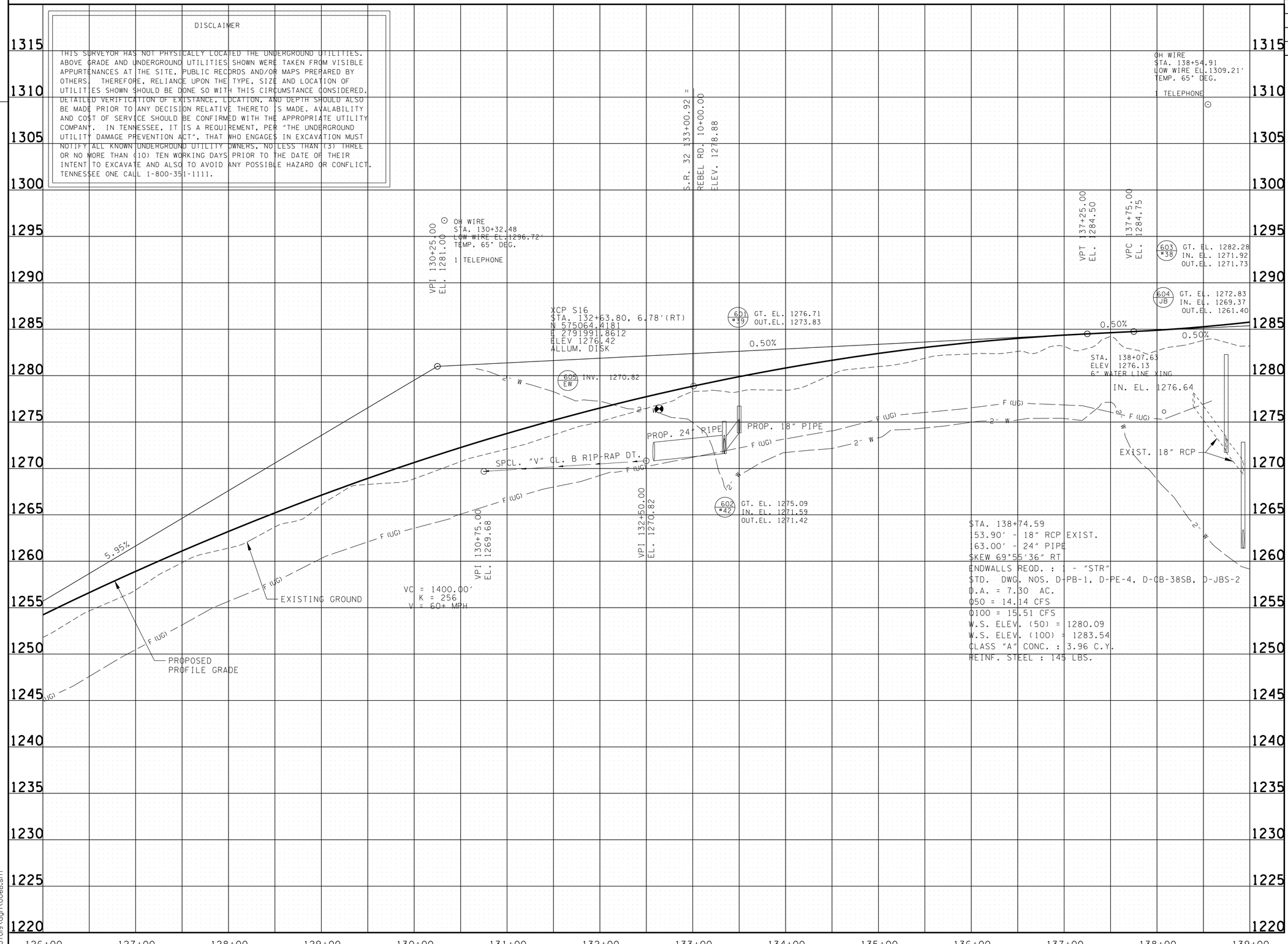

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
TENNESSEE DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 104319
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 126+10 TO STA. 139+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	7
CONST.	2015	HPP/STP-32(57)	7

REV 01-15-14: ADDED POWER POLES WEST OF SR. 32 & NORTH OF OLD SR 32 NO. 1

N

140 145 150

PT 151+14.73

WOODS

OLD HWY. 32 NO. 1 STA. 20+00.00 =
S.R. 32 STA. 141+88.00
N 575965.1528
E 2791786.8599

PRES. & PROP. R.O.W.

INV-1276.85

MATCH LINE STA. 152+00 SEE SHT. NO. 8

MATCH LINE STA. 139+00 SEE SHT. NO. 6

GATE

16' ASP.

INV-1269.33

EXISTING GUARDRAIL (TO BE REMOVED)

INV-1293.06

INV-1292.86 18" CMP (RETAIN)

15-032-17 CP-S18

15-032-16 CP-S18

S.R. 32

139+25.39
137.26'
N 28° 29' 0" E
25.00'

INV-1260.04

TOE OF FILL

EIP

REMOVE EXIST. 10' ASP. WATCHMAN WAY

10' ASP. WATCHMAN WAY

INV-1258.53

15' ASP.

139+43.23
154.10'

N 61° 18' 42" W
201.36'

N 28° 20' 0" E
217.02'

22' ASP.

W.M.

WILLIAM F. SPROUSE & WIFE BOBBIE SPROUSE

9

1-B-RES

METAL POST

LAWN

GR.

F-SHED

N 21° 36' 0" E
250.59'

N 68° 30' 26" W
171.83'

141+00.57
311.38'

N 25° 29' 0" E
257.67'

INV-1247.70

S 2° 55' 41" E
57.87'

N 36° 29' 44" W
46.32'

8' ASP. DWY.

S 67° 13' 21" E
97.87'

STR-4

BRUSH

F-SHED

24+39.69
78.07'

24+05.09
119.40'

24+75.97
53.87'

S 8° 54' 49" W
71.31'

25+41.49
29.95'

N 30° 16' 17" E
80.76'

HARRY DAWSON AND WIFE, PAGE DAWSON

8

2-B-RES

GR.

INV-1243.76

PRES. & PROP. R.O.W.

S 4° 33' 13" W
53.46'

S 30° 16' 17" W
42.60'

25+02.71
27.25'

N 27° 20' 1" E
534.05'

OLD HWY 32 NO. 1 STA. 25+83.64
N 576278.1552
E 2792246.5393

OLD HWY. 32 NO. 1
PI 23+71.30
N 576,080.3975
E 2,792,139.8178
Δ 43° 33' 49" (LT)
D 18° 00' 00"
R 318.31
L 242.02
T 127.20
SE 0.077 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 175'

25

SWL-1

PC 22+44.10

PT 24+86.12

S 80° 18' W
309.69'

STR-3

SPG-1

146+99.05
209.82'

INV-1262.45

INV-1266.52

TOE OF FILL
N 10° 53' 11" W
365.92'

N 29° 44' 48" W
395.66'

TOP OF CUT

WOOD STAKE

N 29° 44' 48" W
170.20'

PRES. & PROP. R.O.W.

150+80.18
170.45'

N 47° 32' 0" E
94.28'

EIP

N 31° 53' 0" W
166.26'

151+05.82
260.90'

12

BOBBY L. BATES & WIFE SUSAN C. BATES

11

JERRY L. SISK

10

LARRY WEBB AND DR. GARY D. HAMILTON

TREE-W/WIRE

WOODS

LAWN

DECK

CHAIN LINK

12" TOP

SERVICE

TRAILER

AREA TO BE SCARIFIED, OBLITERATED, RESHAPED, AND SEEDED.

GROUND OBSCURED

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104219

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 139+00 TO STA. 152+00

SCALE: 1"= 50'

10/15/2014
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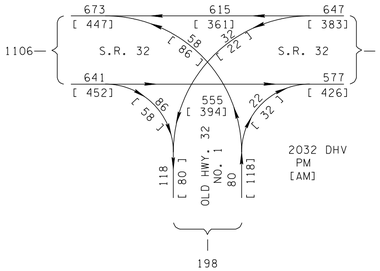
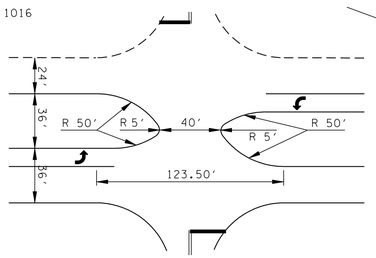
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

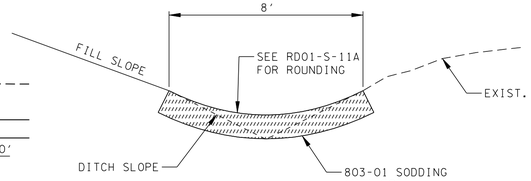
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	7A
CONST.	2015	HPP/STP-32(57)	7A



140

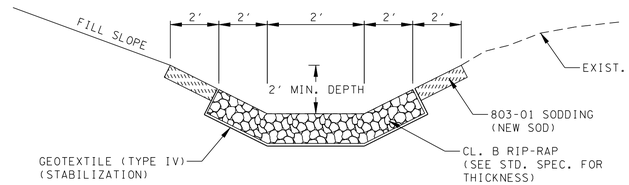


TYPICAL MEDIAN OPENING WITH TURN LANES



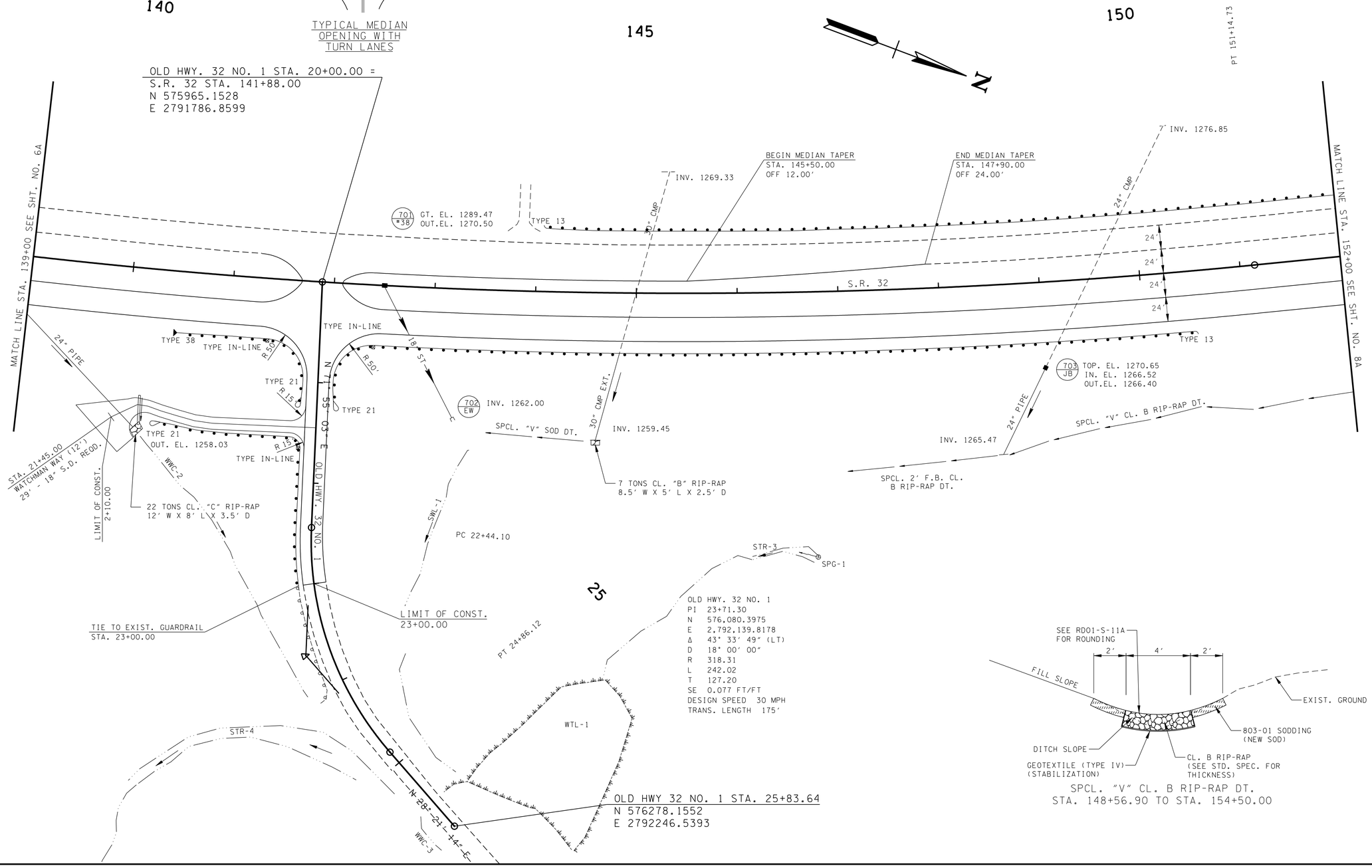
SPCL. "V" SOD DT.
STA. 143+38.75 TO STA. 144+61.26

145



SPCL. 2' F.B. CL. B RIP-RAP DT.
STA. 146+76.90 TO STA. 148+56.90

150



SPCL. "V" CL. B RIP-RAP DT.
STA. 148+56.90 TO STA. 154+50.00

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104210
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 139+00 TO STA. 152+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	7B
CONST.	2015	HPP/STP-32(57)	7B

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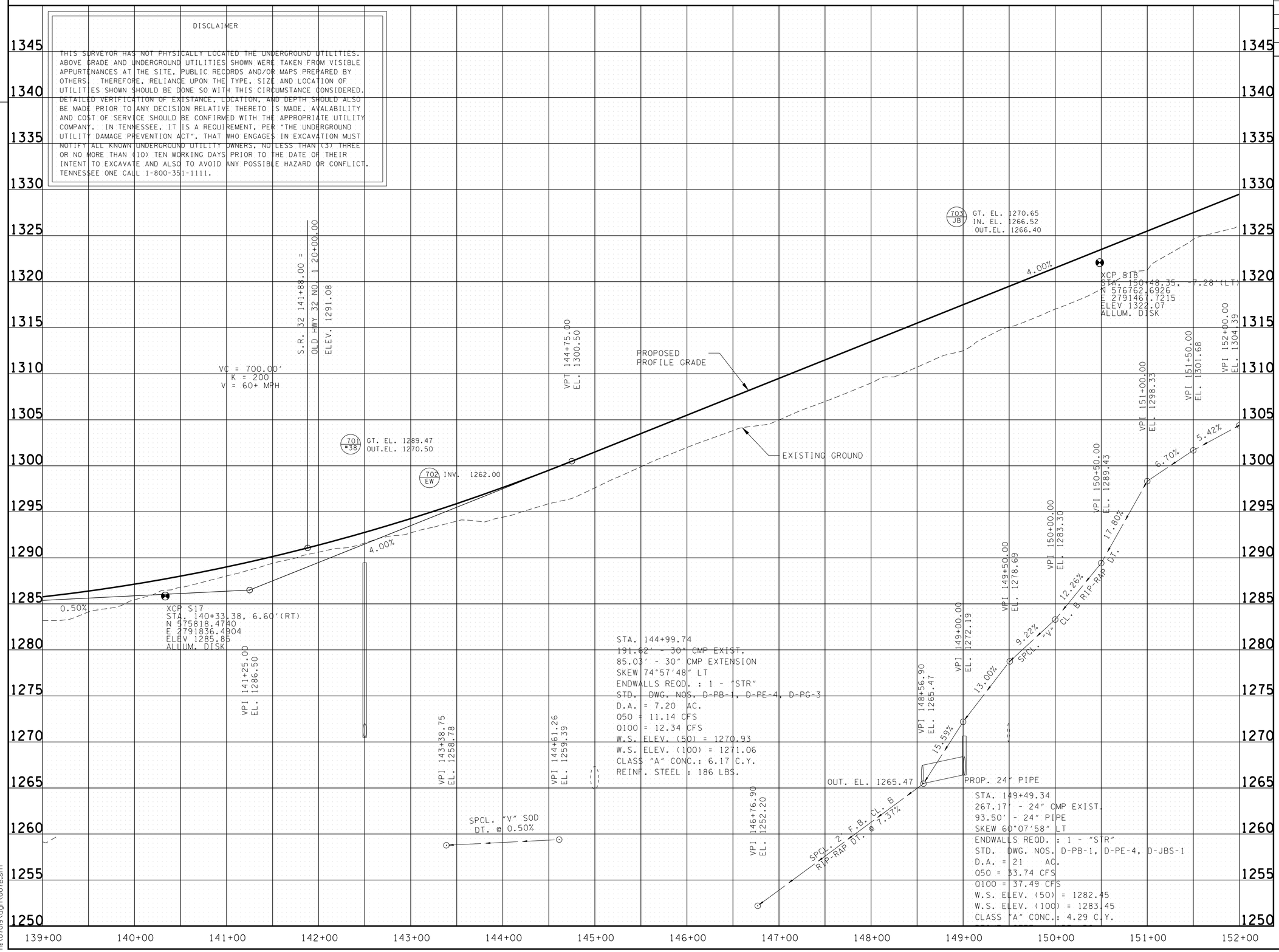

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter REGISTERED ENGINEER TENNESSEE DEPARTMENT OF AGRICULTURE COMMERCE NO. 104219 STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 139+00 TO STA. 152+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	8
CONST.	2015	HPP/STP-32(57)	8

N

155

160

WOODS

F-SHED

1-LOG -RES.

1-F-GAR

RW

13' ASP. FOUR SEASONS WAY

FOUR SEASONS COTTAGES

PRES. & PROP. R.O.W.

INV-1325.47

EW

RIP-RAP DITCH

BRUSH

INV-1346.09

18"PLASTIC (RETAIN) INV-1359.88

INV-1343.09

INV-1342.54

EXISTING GUARDRAIL (TO BE REMOVED)

INV-1355.94

13' ASP.

30" CMP

SR 32 (US 321) 24' ASP. WITH 2@10' ASP. SH.

MATCH LINE STA. 152+00 SEE SHT. NO. 7

MATCH LINE STA. 165+00 SEE SHT. NO. 9

CP-S19
15-032-19

S.R. 32

N 26° 17' 27" W

CP-S20
15-032-20

MB

INV-1356.21

INV-1358.00

14" CMP (REMOVE)

F (UG)

N 35° 21' 55" W
64.61'

EXISTING GUARDRAIL (TO BE REMOVED)

INV-1342.29

15" CMP

17' GR.

INV-1342.17

18"PLASTIC (REMOVE)

HAY

TOE OF FILL

INV-1321.67

EW

INV-1320.21

36" CMP

2 W

12' GR.

TOP OF CUT

OUTHOUSE

152+49.05
160.08'

N 35° 21' 55" W
189.40'

N 18° 42' 3" W
117.22'

154+99.88
120.02'

N 18° 42' 3" W
81.72'

156+9.08
146.36'

156+16.07
135.50'

159+50.00
180.00'

S 18° 42' 3" E
225.12'

159+79.96
176.83'

S 32° 19' 47" E
335.46'

R=2714.79
L=235.38'

N 20° 10' 47" W
110.93'

163+15.92
140.61'

163+30.30
141.87'

164+45.90
149.86'

N 48° 49' 0" W
137.70'

N 66° 28' 53" E
58.05'

154+36.07
130.21'

10' GR.

S 10° 38' 33" E
252.03'

S 47° 39' 33" W
45.47'

PROPANE

159+20.22
176.03'

30.04'

30.12'

PRES. & PROP. R.O.W.

S 64° 5' 11" W
33.56'

N 64° 5' 11" E
33.97'

1-LOG-RES.

DECK

159+20.00
210.00'

CONST. ESMT.

S 25° 54' 49" E
59.74'

159+79.73
210.39'

N 20° 10' 47" W
14.21'

1-M-CARPORT

BARN

LAWN

WOODS

HAY

PROPANE

1-LOG-BUS.

1-F-RES

M-GARAGE

1-F-RES BURNED

DECK

154+25.85
311.69'

S 87° 57' 19" W
118.30'

10' GR.

S 42° 1' 32" E
304.16'

154+54.41
372.26'

F-SHED

N 49° 16' 25" E
366.43'

DECK

TRAILER RES.

2-F-SHED

12' GR.

157+38.48
290.20'

S 53° 38' 33" E
116.45'

N 60° 0' 28" E
180.58'

157+58.83
404.86'

N 37° 36' 16" W
291.78'

160+56.39
362.82'

160+65.95
358.65'

160+44.94
347.62'

N 47° 40' 24" E
17.74'

160+49.84
364.67'

S 42° 6' 14" E
6.81'

S 49° 50' 7" E
10.42'

LAWN

N 28° 0' 16" E
99.92'

160+83.44
459.01'

S 46° 30' 19" E
232.13'

1-F-RES.

F-GARAGE

163+58.97
274.94'

S 42° 17' 27" E
12.64'

N 42° 17' 27" W
297.28'

10' GR.

163+71.92
271.11'

S 47° 24' 54" W
141.68'

164+39.69
400.06'

164+07.81
409.56'

S 47° 24' 54" W
141.68'

N 42° 37' 34" W
29.30'

11' GR.

12

13

14

15

15A

16

11

LARRY W. REED & WIFE CARLENE REED

LARRY WEBB ETAL.

DALE E. JONES AND WIFE, DELLA K. JONES

BOBBY L. BATES & WIFE SUSAN C. BATES

DANIEL P. HARRINGTON AND WIFE, DORIS A. HARRINGTON

DONALD JAMES KOMURKE & WIFE JUDITH LESLIE KOMURKE

JERRY L. SISK

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 104210
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 152+00 TO STA. 165+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\008.sht

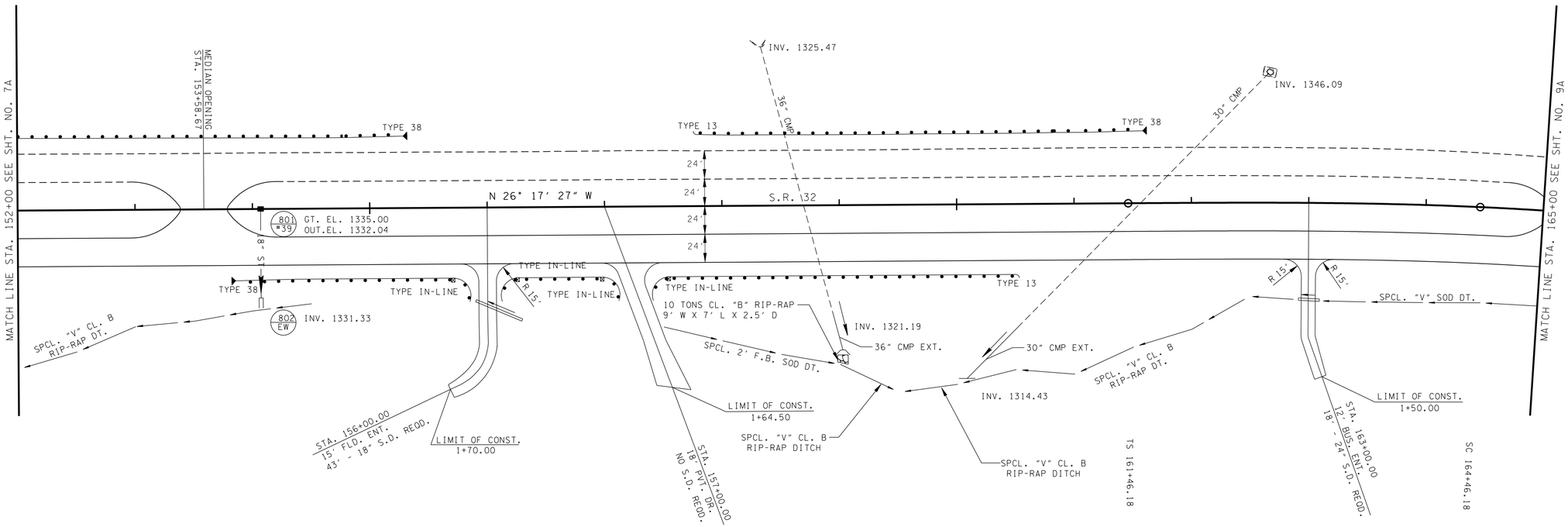
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

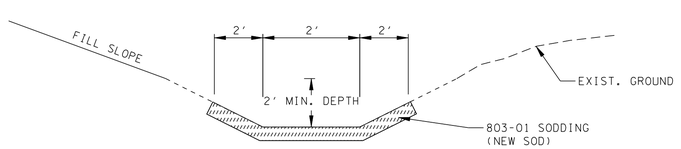
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	8A
CONST.	2015	HPP/STP-32(57)	8A

155

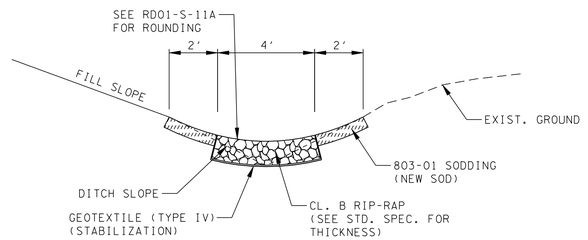
160

N

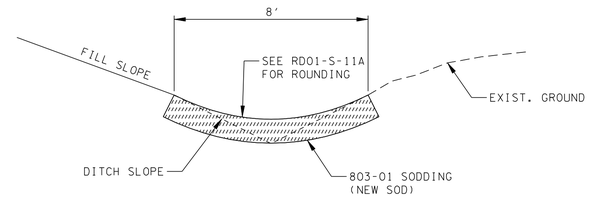




SPCL. 2' F.B. SOD DT.
STA. 157+50.00 TO STA. 159+00.00



SPCL. "V" CL. B RIP-RAP DT.
STA. 159+00.00 TO STA. 159+50.00
STA. 159+50.00 TO STA. 162+50.00



SPCL. "V" SOD DT.
STA. 162+50.00 TO STA. 165+50.00

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 152+00 TO STA. 165+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\008A.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	8B
CONST.	2015	HPP/STP-32(57)	8B

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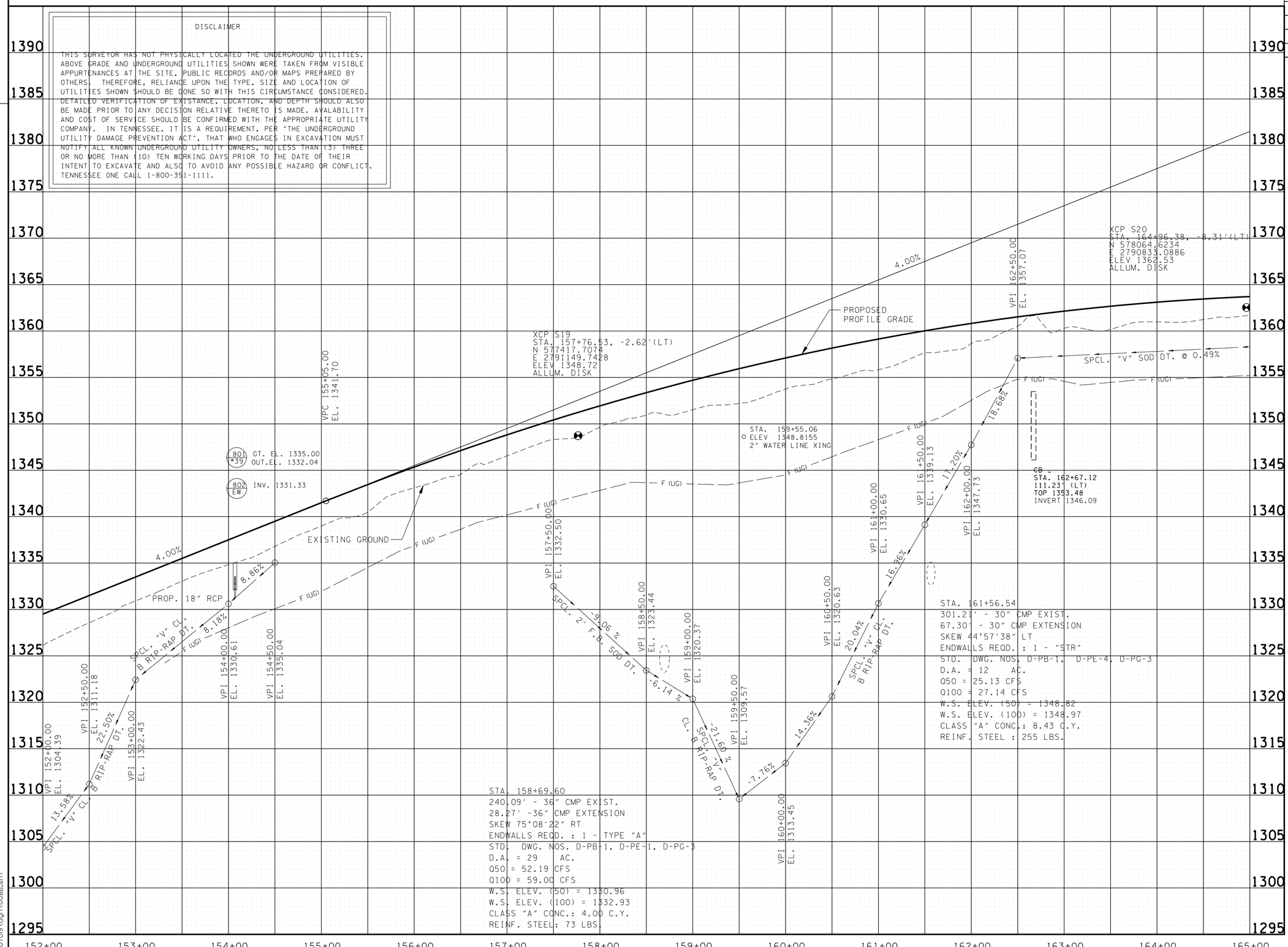

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 152+00 TO STA. 165+00

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

10/15/2014
h:\07019\dgn\008B.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	9
CONST.	2015	HPP/STP-32(57)	9

REV 01-15-14: ADDED POWER POLES NORTH OF OLD SR. 32 NO.2

S.R. 32
PI 169+82.25
N 578,499.8658
E 2,790,618.0495
Δs 26° 55′ 27″ (RT)
Θs 3° 00′ 00″
Δc 20° 55′ 27″ (RT)
Dc 2° 00′ 00″
Rc 2,864.79
Lc 1,046.21
Ts 836.07
Ls 300.00
SE 0.051 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 300′

AREA TO BE SCARIFIED, OBLITERATED, RESHAPED, AND SEEDED.

OLD HWY 32 NO. 2 STA. 30+00.00 =
S.R. 32 STA. 177+00.00
N 579243.5006
E 2790626.4248

OLD HWY. 32 NO. 2
PI 32+28.34
N 579,242.1099
E 2,790,854.7568
Δ 41° 19′ 49″ (RT)
D 18° 00′ 00″
R 318.31
L 229.61
T 120.06
SE 0.077 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH (SEE PROFILE)

OLD HWY 32 NO. 2 STA. 36+55.50
N 578951.0821
E 2791181.6385

MATCH LINE STA. 165+00 SEE SHT. NO. 8

MATCH LINE STA. 178+00 SEE SHT. NO. 10

PASTURE
WOODS
BRUSH
1-F-RES.
DOG HOUSE
ASP.
FELLOWSHIP PRESBYTERIAN CHURCH
CURB
EARLY RD.
20′ ASP.
1-RES.
DECK
SHED
LAWN
PRES. & PROP. R.O.W.
SMOKEY LN. 133′ ASP.
EXISTING GUARDRAIL (TO BE REMOVED)
INV-1340.97
24″ RCP (RETAIN)
INV-1338.42
TRAIL
15-032-21
CP-S21
S.R. 32
F (UG)
18″ RCP (REMOVE)
INV-1340.39
CP-S22
15-032-22
INV-1338.38
TOP OF CUT
R=2714.79′
L=756.04′
SIGN POST
PC 31+08.28
N 5° 43′ 6″ E
138.16′
174+92.38
150.00′
20′ ASP.
INV-1335.54
OLD HWY. 32 NO. 2
R=2714.79′
L=235.38′
166+94.57
150.00′
N 47° 38′ 45″ E
645.99′
ROMAN CATHOLIC DIOCESE OF KNOXVILLE
CHURCH OF THE GOOD SHEPHERD
SIDEWALK
ELECTRIC BOX
RW
DAVID RAY SHULTS & WIFE, WILLA DEAN SHULTS
176+35.54
166.54′
INV-1334.84
LIGHT
PI LIGHT 33+37.48
R=303.10′
L=156.80′
CS 174+92.39
33+64.01
51.93′
34+98.71
55.27′
N 46° 54′ 4″ W
134.75′
N 73° 27′ 58″ W
55.90′
35+49.32
31.51′
P/T 36+55.50
36+55.50
346.41′
N 46° 46′ 43″ W
82.53′
32+73.98
93.02′
46.50′
RIBBON &ROSES
N 52° 46′ 0″ E
152.00′
1-F-BUS & RIBBONS & ROSES
GREEN HOUSE
1-M-GAR.
CARPORT
F-SHED
1-LOG-RES.
SERVICE
CHAIN LINK
N 44° 59′ 52″ E
265.03′
N 47° 42′ 57″ E
332.22′
33+46.26
46.60′
N 51° 50′ 6″ W
101.05′
S 48° 19′ 15″ W
97.13′
52.79′
N 49° 27′ 2″ W
275.17′
1-B-BUS. GENE'S BODY SHOP
PROPANE
N 47° 44′ 50″ E
174.89′
N 47° 37′ 39″ E
158.27′
8′ ASP. ROBERTS
P/T/TV
EW
RW
10′ GR.
12′ GR.
13′ GR.

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 104219

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 165+00 TO STA. 178+00

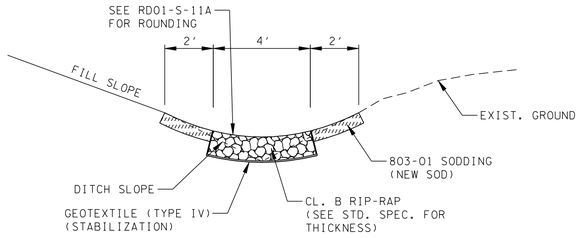
SCALE: 1″= 50′

10/15/2014
h:\07019\dgn\009.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	9A
CONST.	2015	HPP/STP-32(57)	9A

S.R. 32
PI 169+82.25
N 578,499.8658
E 2,790,618.0495
Δs 26° 55′ 27″ (RT)
θs 3° 00′ 00″
Δc 20° 55′ 27″ (RT)
Dc 2° 00′ 00″
Rc 2,864.79
Lc 1,046.21
Ts 836.07
Ls 300.00
SE 0.051 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 300′

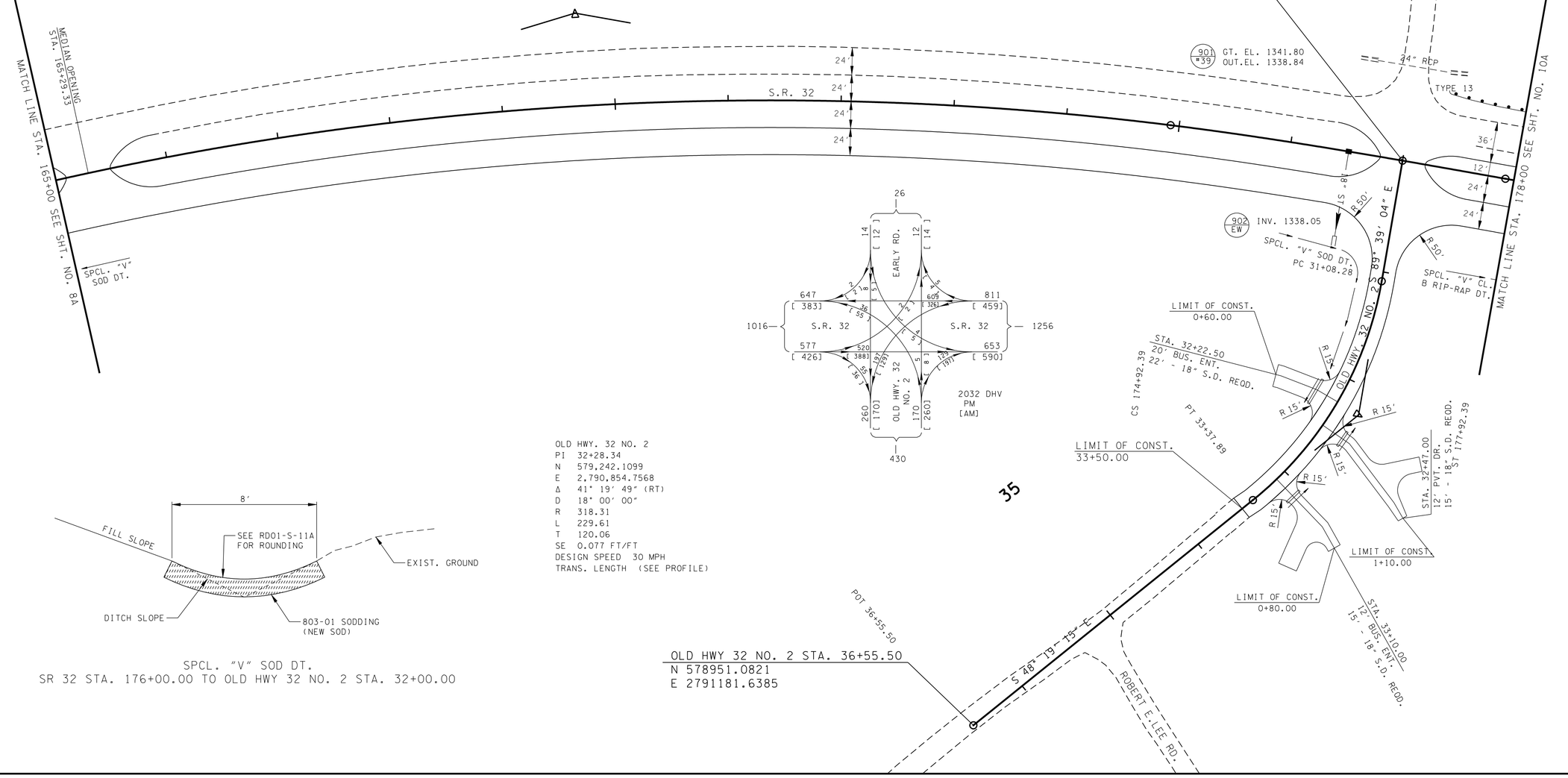


170

SPCL. "V" CL. B RIP-RAP DT.
STA. 177+50.00 TO STA. 179+23.37

175

OLD HWY 32 NO. 2 STA. 30+00.00 =
S.R. 32 STA. 177+00.00
N 579243.5006
E 2790626.4248



OLD HWY. 32 NO. 2
PI 32+28.34
N 579,242.1099
E 2,790,854.7568
Δ 41° 19′ 49″ (RT)
D 18° 00′ 00″
R 318.31
L 229.61
T 120.06
SE 0.077 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH (SEE PROFILE)

35

SPCL. "V" SOD DT.
SR 32 STA. 176+00.00 TO OLD HWY 32 NO. 2 STA. 32+00.00

OLD HWY 32 NO. 2 STA. 36+55.50
N 578951.0821
E 2791181.6385

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104210
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 165+00 TO STA. 178+00

SCALE: 1"= 50′

10/15/2014
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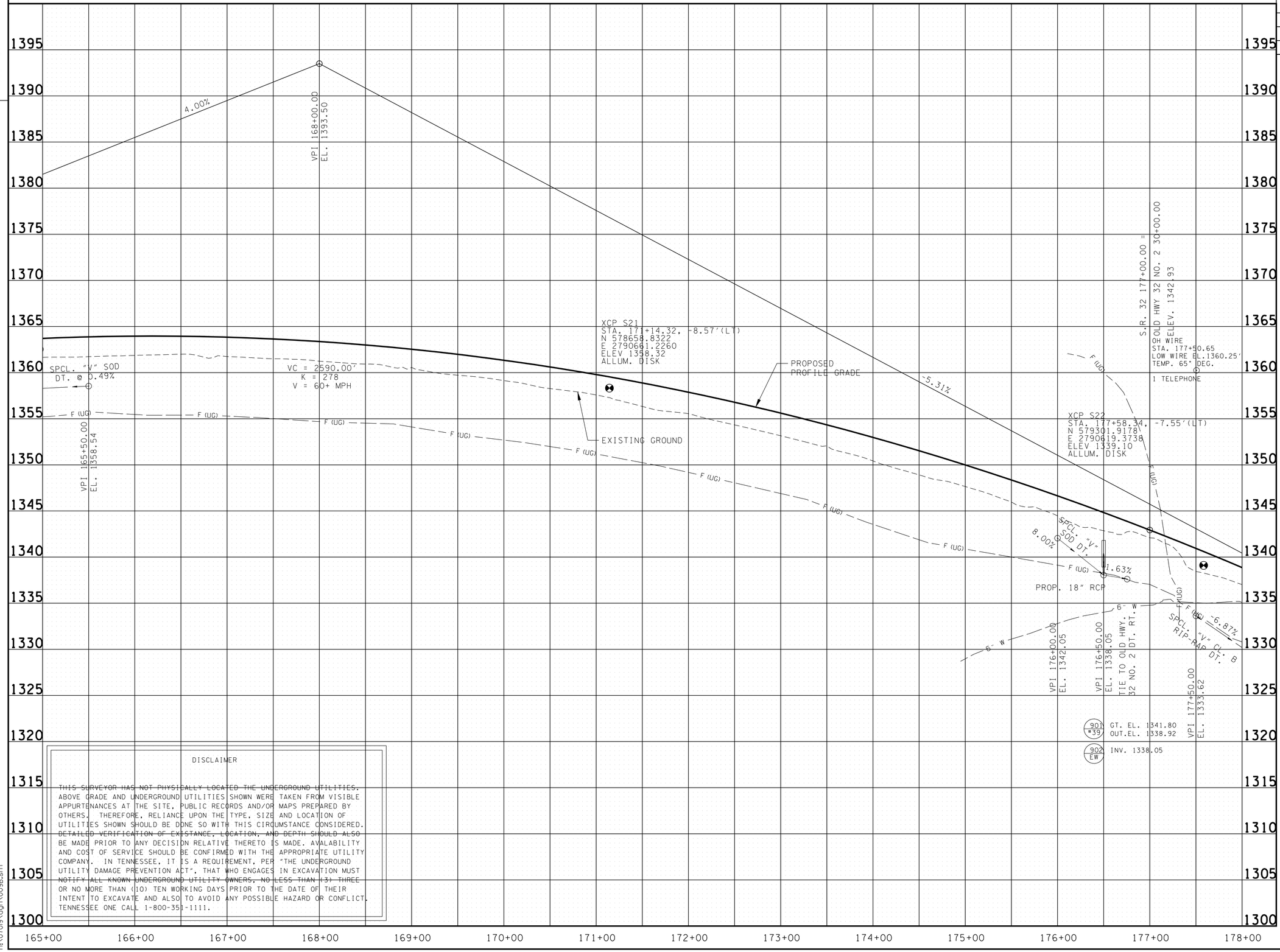
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	9B
CONST.	2015	HPP/STP-32(57)	9B



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10/15/2014
h:\07019\dgn\009B.sht

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

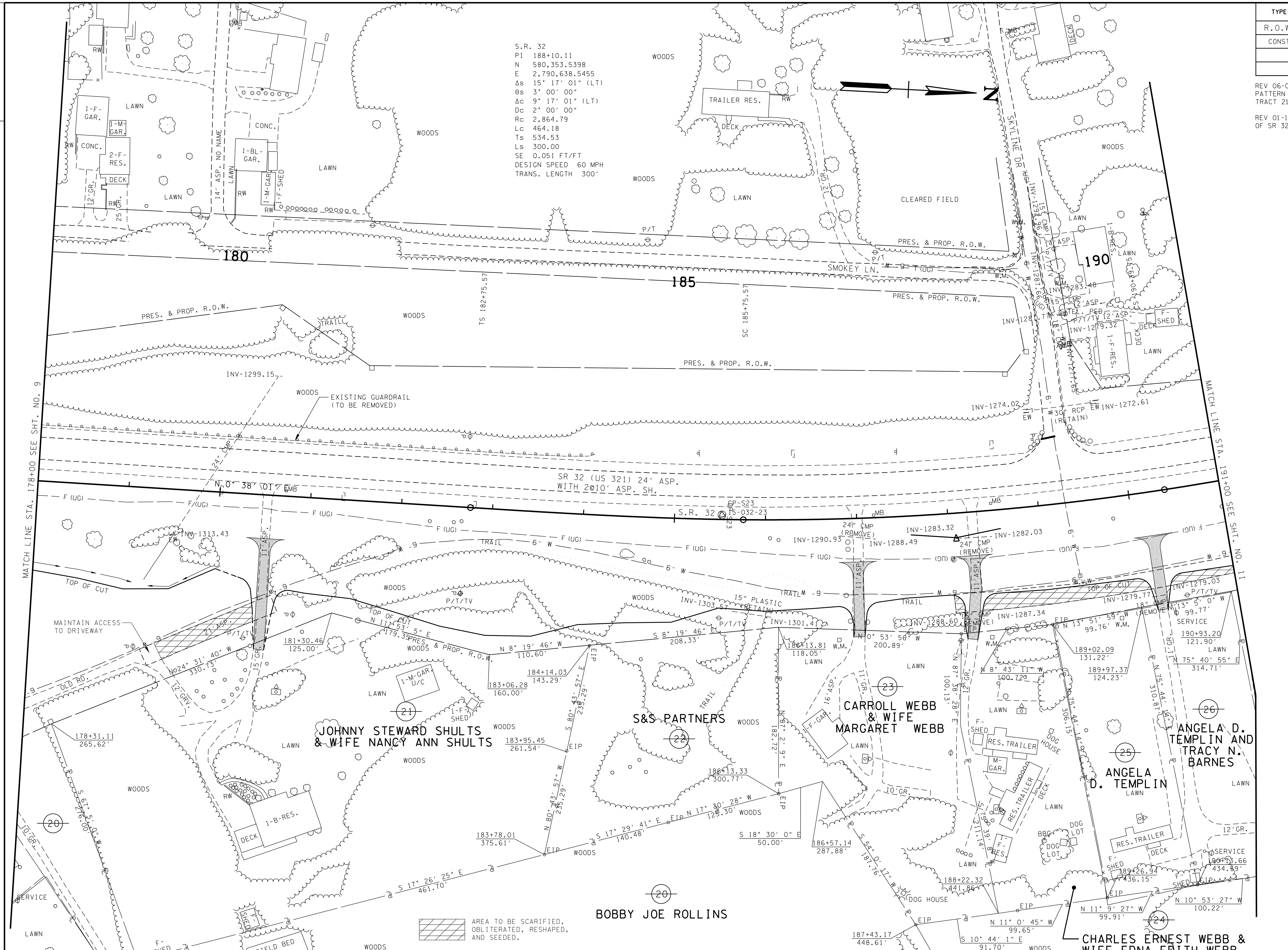
Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 165+00 TO STA. 178+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

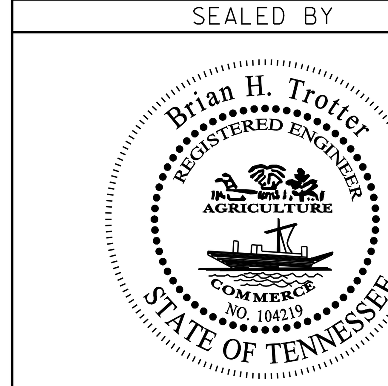


TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	10
CONST.	2015	HPP/STP-32(57)	10

REV 06-05-13: REMOVED SCARIFICATION PATTERN & ADDED NOTE TO DRIVEWAY AT TRACT 21

REV 01-15-14: ADDED POWER POLES WEST OF SR 32 & EAST OF THE OLD ROAD BED

SEALED BY



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 178+00 TO STA. 191+00

SCALE: 1″= 50′

10/15/2014
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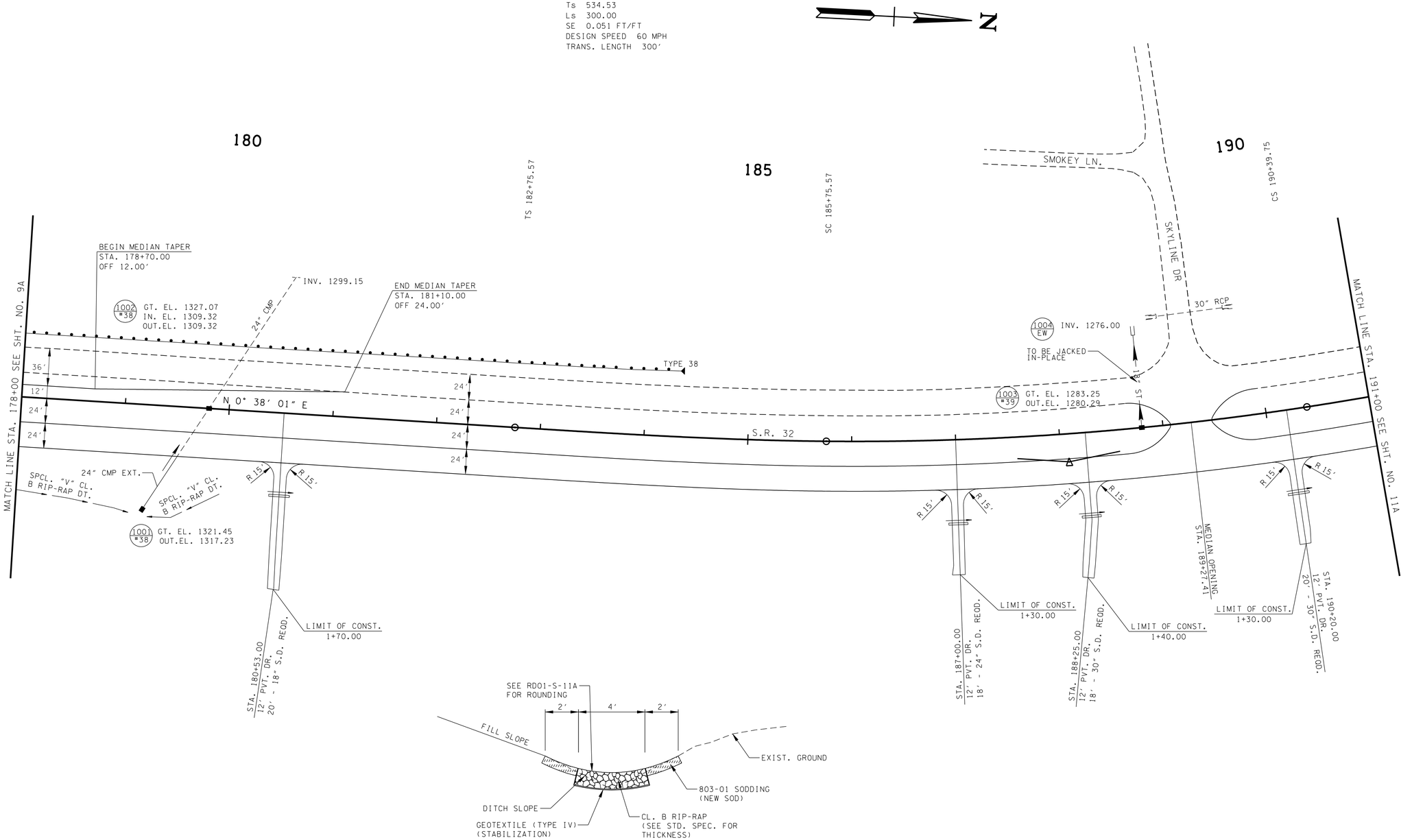
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	10A
CONST.	2015	HPP/STP-32(57)	10A

S.R. 32
PI 188+10.11
N 580,353.5398
E 2,790,638.5455
Δs 15° 17′ 01″ (LT)
θs 3° 00′ 00″
Δc 9° 17′ 01″ (LT)
Dc 2° 00′ 00″
Rc 2,864.79
Lc 464.18
Ts 534.53
Ls 300.00
SE 0.051 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 300′



SPCL. "V" CL. B RIP-RAP DT.
STA. 179+23.37 TO STA. 180+00.00

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

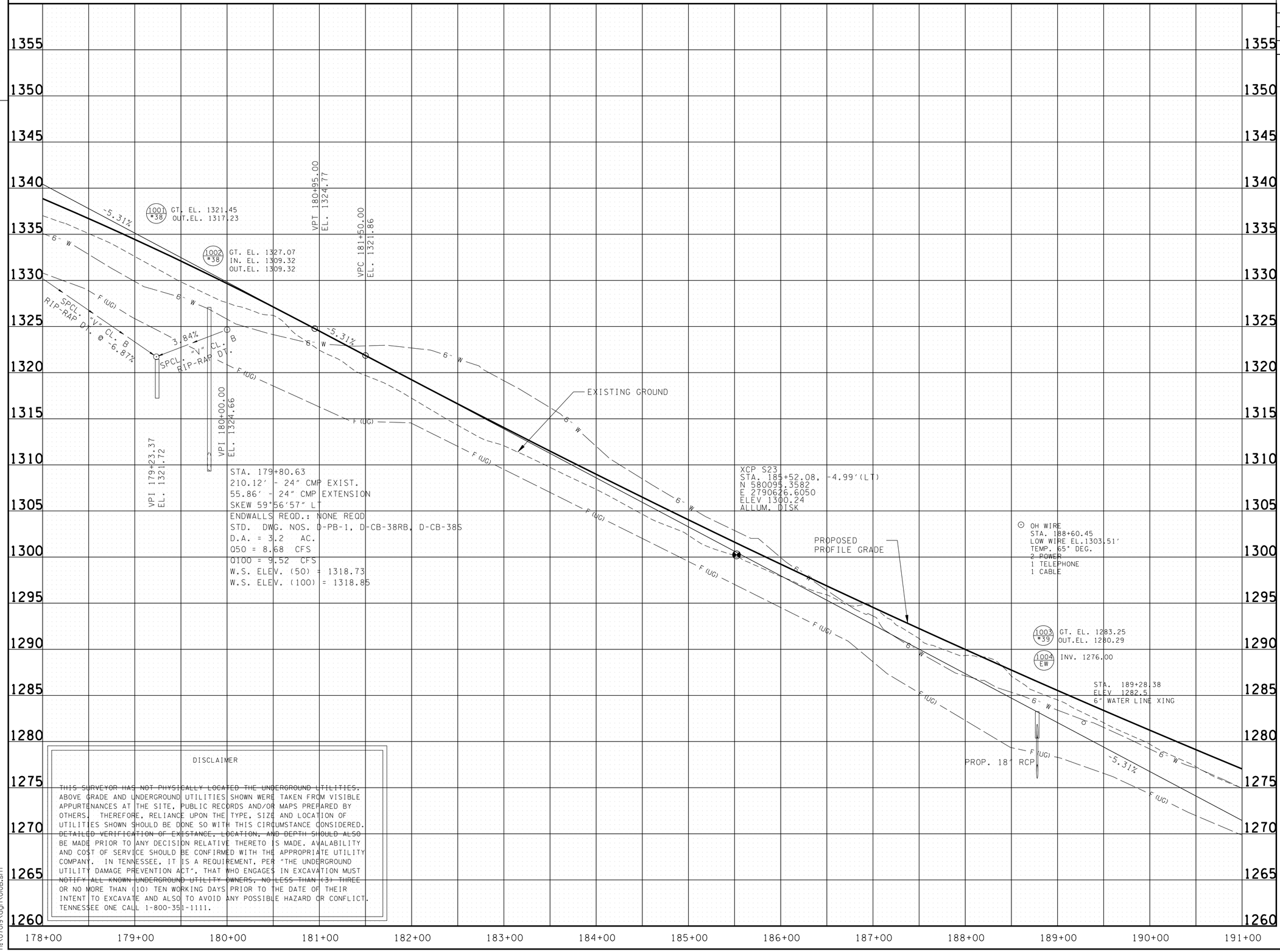
STA. 178+00 TO STA. 191+00

SCALE: 1"= 50′

10/15/2014
n:\07019\dgn\10A.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	10B
CONST.	2015	HPP/STP-32(57)	10B



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10/15/2014
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UNOFFICIAL SET

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SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 178+00 TO STA. 191+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	11
CONST.	2015	HPP/STP-32(57)	11

REV 06-05-13: REVISED LENGTH OF DRIVEWAY TRACT 31 NEAR STA. 197+00; REMOVED DRIVE OFF SR 32 FOR TRACT 32 & CONNECTED TO EXISTING DRIVEWAY

N

MATCH LINE STA. 191+00 SEE SHT. NO. 10

MATCH LINE STA. 204+00 SEE SHT. NO. 12

S.R. 32

N 14° 39' 00" W

CP-S24 15-032-24

CP-S25 15-032-25

SKYLINE DR.

PROVIDENCE BAPTIST CHURCH

PROVIDENCE CHURCH

ST 193+39.75

195

200

PASTURE

WOODS

LAWN

DECK

GAR.

1-F-RES.

1-B-RES.

CHAIN LINK

W.M.

RW

ASP.

10' ASP.

20' ASP.

40' ASP.

18" ASP.

LAMP POST

PRES. & PROP. R.O.W.

P/T/TV

NOTE:
CONTRACTOR TO USE ALL MEANS NECESSARY TO PREVENT ANY IMPACTS TO STR-5

STR-5 SPRING BRANCH

INV-1264.33

INV-1264.10

INV-1263.16

INV-1262.11

INV-1255.13

30" RCP (RETAIN)

INV-1253.86

30" CMP (REMOVE)

INV-1254.30

INV-1253.64

INV-1253.01

INV-1252.77

INV-1249.54

INV-1249.05

INV-1244.82

INV-1243.80

INV-1249.70

18" RCP (REMOVE)

INV-1250.89

INV-1250.64

INV-1250.17

15" CMP (REMOVE)

INV-1267.84

INV-1260.89

INV-1259.75

INV-1259.49

INV-1258.01

INV-1256.08

INV-1255.64

TOP OF CUT INV-1269.67

TRAIL

SERVICE

PROPANE

WELL

BARN

CONC. PAD

CARPORT

DOG LOT

BBG

F-SHED

I-F-GAR

I-B-RES.

POOL

DECK

2-F-RES.

CHAIN LINK

N 14° 14' 0" W 99.74'

191+90.22 120.30'

N 14° 11' 15" W 100.28'

192+89.12 120.48'

N 14° 11' 15" W 145.50'

N 15° 41' 36" W 100.00'

195+34.41 119.80'

194+34.43 121.62'

N 75° 46' 11" E 325.14'

N 76° 0' 21" E 330.72'

N 10° 37' 42" W 320.55'

191+01.48 436.48'

N 10° 53' 27" W 186.22'

S 11° 24' 46" E 80.43'

192+87.27 445.61'

N 11° 58' 18" W 144.25'

194+30.65 452.32'

N 11° 58' 18" W 134.00'

195+64.50 458.59'

191+92.65 440.84'

N 10° 40' 57" E 436.57'

197+66.62 336.00'

N 20° 19' 35" W 371.11'

S 45° 52' 16" E 236.39'

201+42.41 298.12'

202+45.53 415.31'

N 10° 18' 37" E 134.34'

S 63° 32' 31" E 394.43'

S 77° 35' 33" E 237.12'

S 43° 28' 52" E 922.67'

S 53° 35' 31" W 178.05'

N 7° 48' 9" E 144.56'

202+02.47 150.45'

200+76.78 131.45'

203+51.46 136.10'

203+75.78 139.92'

TS 199+71.82

28 TRACY N. BARNES

29 PATRICIA BARNES CALDWELL

30 CHARLES B. MURR

31 DELMER LOVINGOOD & WIFE EVELYN LOVINGOOD

32 LUSTER WILLIAMS & WIFE NELL WILLIAMS

33 BRUCE TIPTON WILLIAMS AND DAVID CHRISTOPHER WILLIAMS

27 TRACY N. BARNES

AREA TO BE SCARIFIED, OBLITERATED, RESHAPED, AND SEEDED.

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104210
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 191+00 TO STA. 204+00

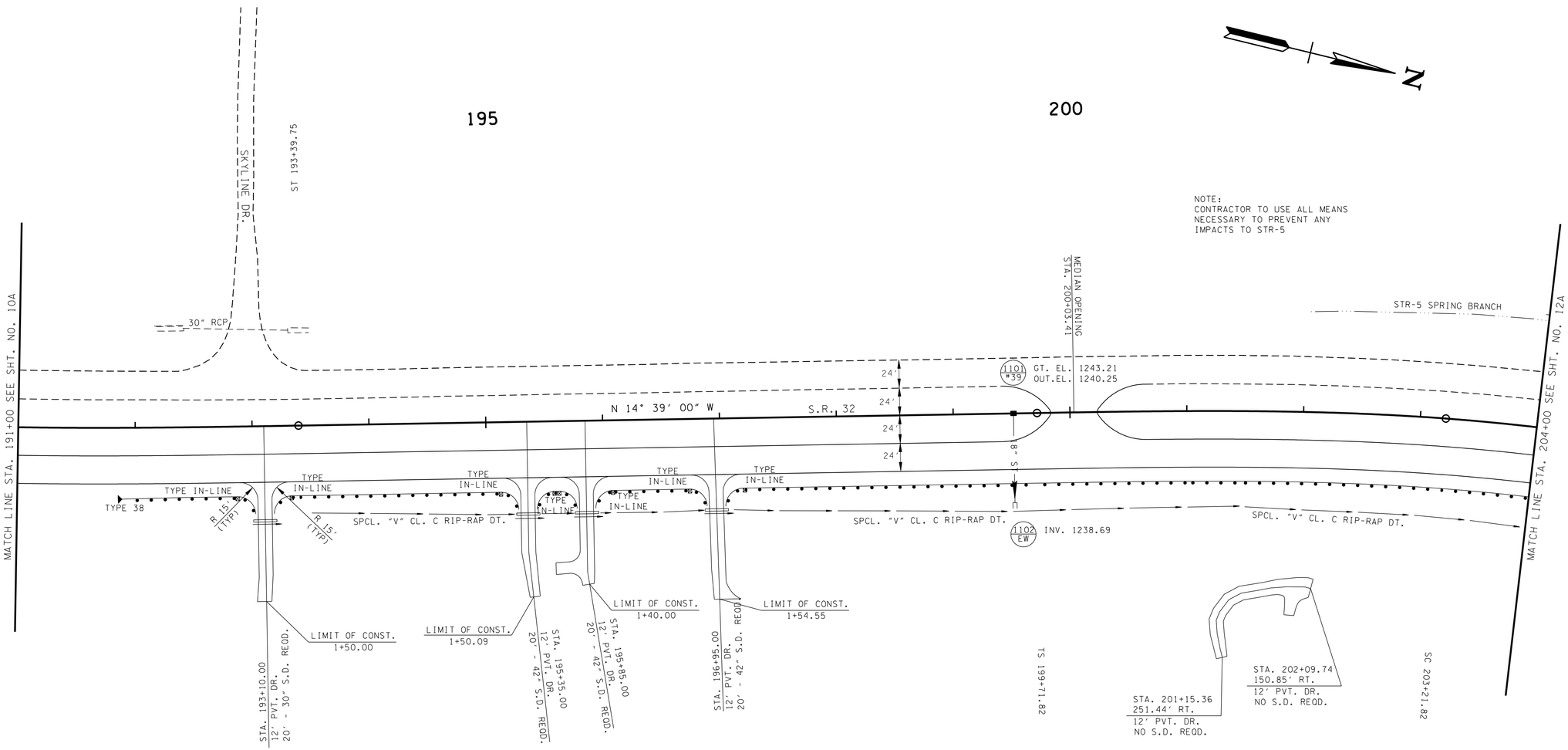
SCALE: 1"= 50'

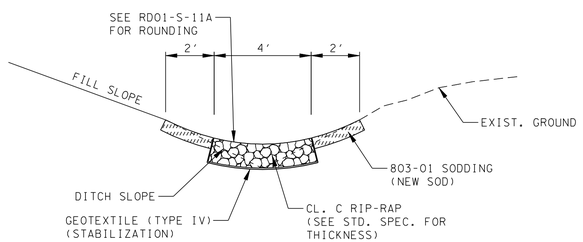
10/15/2014
h:\07019\dgn\01l.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	11A
CONST.	2015	HPP/STP-32(57)	11A

REV 06-05-13: REVISED DRIVEWAY AT STA. 196+95; REMOVED DRIVE STA. 201+25 RT. ADDED DRIVE TO CONNECT PROPERTY TO EXISTING ACCESS





SPCL. "V" CL. C RIP-RAP DT.
STA. 193+50.00 TO STA. 205+00.00

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

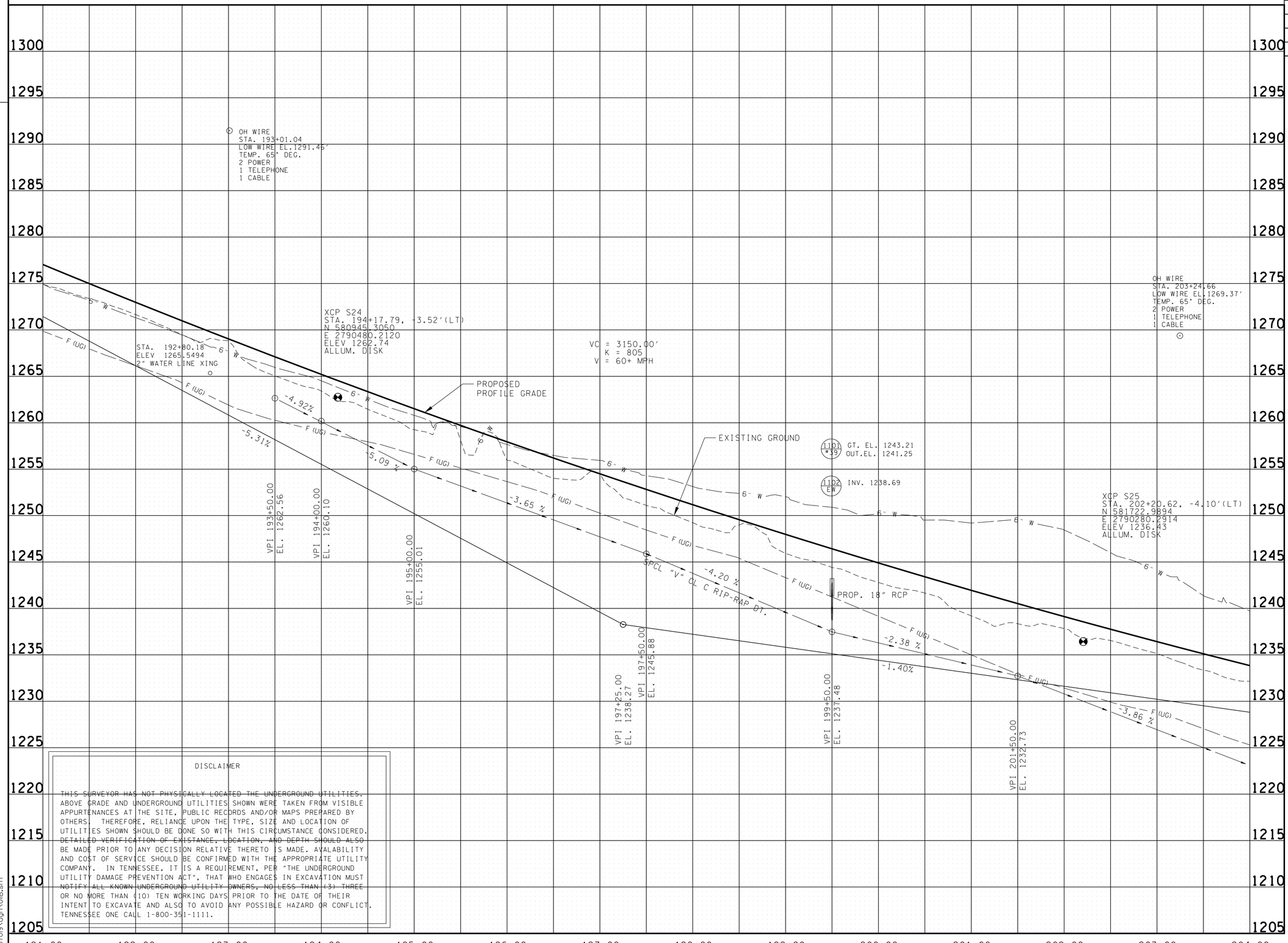
STA. 191+00 TO STA. 204+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\011A.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	11B
CONST.	2015	HPP/STP-32(57)	11B



DISCLAIMER

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10/15/2014
h:\07019\dgn\01lb.sht

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 191+00 TO STA. 204+00

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

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	12
CONST.	2015	HPP/STP-32(57)	12

AREA TO BE SCARIFIED, OBLITERATED, RESHAPED, AND SEEDED.

S.R. 32
PI 210+11.98
N 582,488.5618
E 2,790,080.4235
Δs 48° 41′ 00″ (RT)
θs 5° 15′ 00″
Δc 38° 11′ 00″ (RT)
Dc 3° 00′ 00″
Rc 1,909.86
Lc 1,272.78
Ts 1,040.17
Ls 350.00
SE 0.068 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 380′

NOTE:
CONTRACTOR TO USE ALL MEANS NECESSARY TO PREVENT ANY IMPACTS TO STR-5 OR SPG-2

ARMORY ROAD NO. 1 STA. 40+00.00 =
S.R. 32 STA. 211+55.11
N 582648.7418
E 2790310.0856

ARMORY ROAD NO. 1 STA. 44+13.56
N 582538.5557
E 2790708.7003

205 210 215

PRES. & PROP. R.O.W.

STR-5 SPRING BRANCH

EXISTING GUARDRAIL (TO BE REMOVED)

SR 32 (US 321) 24′ ASP. WITH 2@10′ ASP. SH.

OLD HWY. 32

ARMORY ROAD NO. 1

S.R. 32

BOGARD RD.

MATCH LINE STA. 204+00 SEE SHT. NO. 11

MATCH LINE STA. 217+00 SEE SHT. NO. 13

RAY SHULTS & WIFE VIRGINIA SHULTS (37)

DONALD WILLIAMSON (36)

SERENA FISHER

BILL BYRD (35)

BRUCE BYRD JR. & WIFE JENNIE LOU BYRD (34)

RICHARD SEAN LANE (39)

JAMES CLEO WILLIAMSON & WIFE CHARLENE WILLIAMSON (40)

(38)

BURNED

WELL HOUSE

KEROSENE TANKS

HAY

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

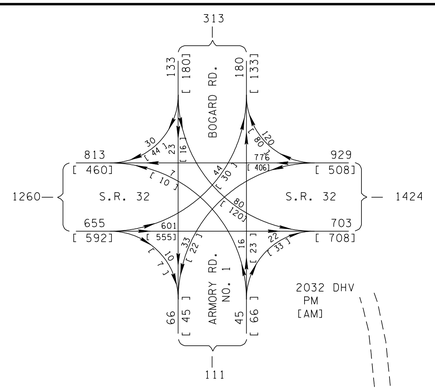
STA. 204+00 TO STA. 217+00

SCALE: 1"= 50′

10/15/2014
h:\07093\dgn\02.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	12A
CONST.	2015	HPP/STP-32(57)	12A



S.R. 32
PI 210+11.98
N 582,488.5618
E 2,790,080.4235
Δs 48° 41′ 00″ (RT)
θs 5° 15′ 00″
Δc 38° 11′ 00″ (RT)
Dc 3° 00′ 00″
Rc 1,909.86
Lc 1,272.78
Ts 1,040.17
Ls 350.00
SE 0.068 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 380′

210

215

205

BOGARD RD.

END PROP. GUARDRAIL TIE TO EXIST.
STA. 211+37.63
OFF 99.55′

ARMORY ROAD NO. 1 STA. 40+00.00 =
S.R. 32 STA. 211+55.11
N 582648.7418
E 2790310.0856

NOTE:
CONTRACTOR TO USE ALL MEANS NECESSARY TO PREVENT ANY IMPACTS TO STR-5 OR SPG-2

STR-5 SPRING BRANCH

INV. 1186.78

INV. 1207.35

SPG-2

END MEDIAN TAPER
STA. 208+85.00
OFF 12.00′

36″ RCP

24″ CMP TYPE IN-LINE

BEGIN MEDIAN TAPER
STA. 214+15.00
OFF 12.00′

END MEDIAN TAPER
STA. 216+60.00
OFF 24.00′

TYPE 13

(1203 #38) GT. EL. 1216.89
OUT.EL. 1213.93

(1202 JB) TOP. EL. 1210.30
IN. EL. 1207.80
OUT.EL. 1199.77

S.R. 32

24″ PIPE

SPCL. "V" CL. B RIP-RAP DT.

INV. 1210.50

(1204 EW) INV. 1211.58

(1201 #38) GT. EL. 1224.40
IN. EL. 1212.56
OUT.EL. 1212.56

MATCH LINE STA. 204+00 SEE SHT. NO. 11A

MATCH LINE STA. 217+00 SEE SHT. NO. 13A

36″ RCP EXT.
INV. 1217.04

TYPE 13

SPCL. "V" CL. C RIP-RAP DT.

CONC. DT.

SPCL. "V" SOD DT.

BEGIN MEDIAN TAPER
STA. 206+45.00
OFF 24.00′

SPCL. "V" CL. A-1 RIP-RAP DT.

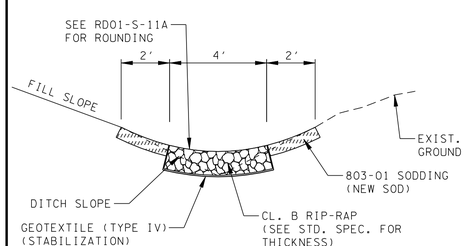
STA. 41+96.76
30′ BUS. ENT.
37′ - 18″ S.D. REQD.

LIMIT OF CONST.
0+88.89

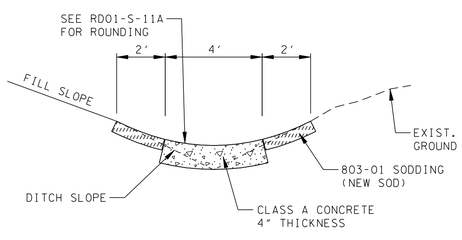
ARMORY ROAD NO. 1 STA. 44+13.56
N 582538.5557
E 2790708.7003

LIMIT OF CONST.
43+95.84

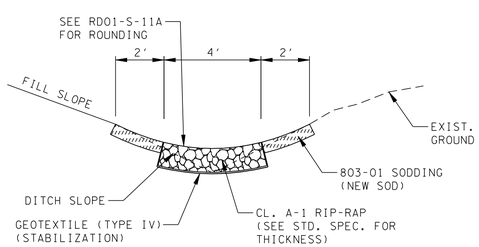
C3 215+94.60



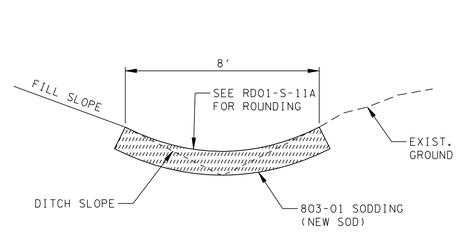
SPCL. "V" CL. B RIP-RAP DT.
STA. 209+00.00 TO STA. 210+55.75



CONC. DT.
STA. 205+00.00 TO STA. 205+41.54



SPCL. "V" CL. A-1 RIP-RAP DT.
STA. 41+03.16 TO STA. 43+85.00
ARMORY ROAD NO. 1



SPCL. "V" SOD DT.
STA. 205+41.54 TO STA. 206+00.00
STA. 216+00.00 TO STA. 219+00.00

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104218
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 204+00 TO STA. 217+00

SCALE: 1″= 50′

10/15/2014
h:\07019\dgn\012A.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	12B
CONST.	2015	HPP/STP-32(57)	12B

DISCLAIMER

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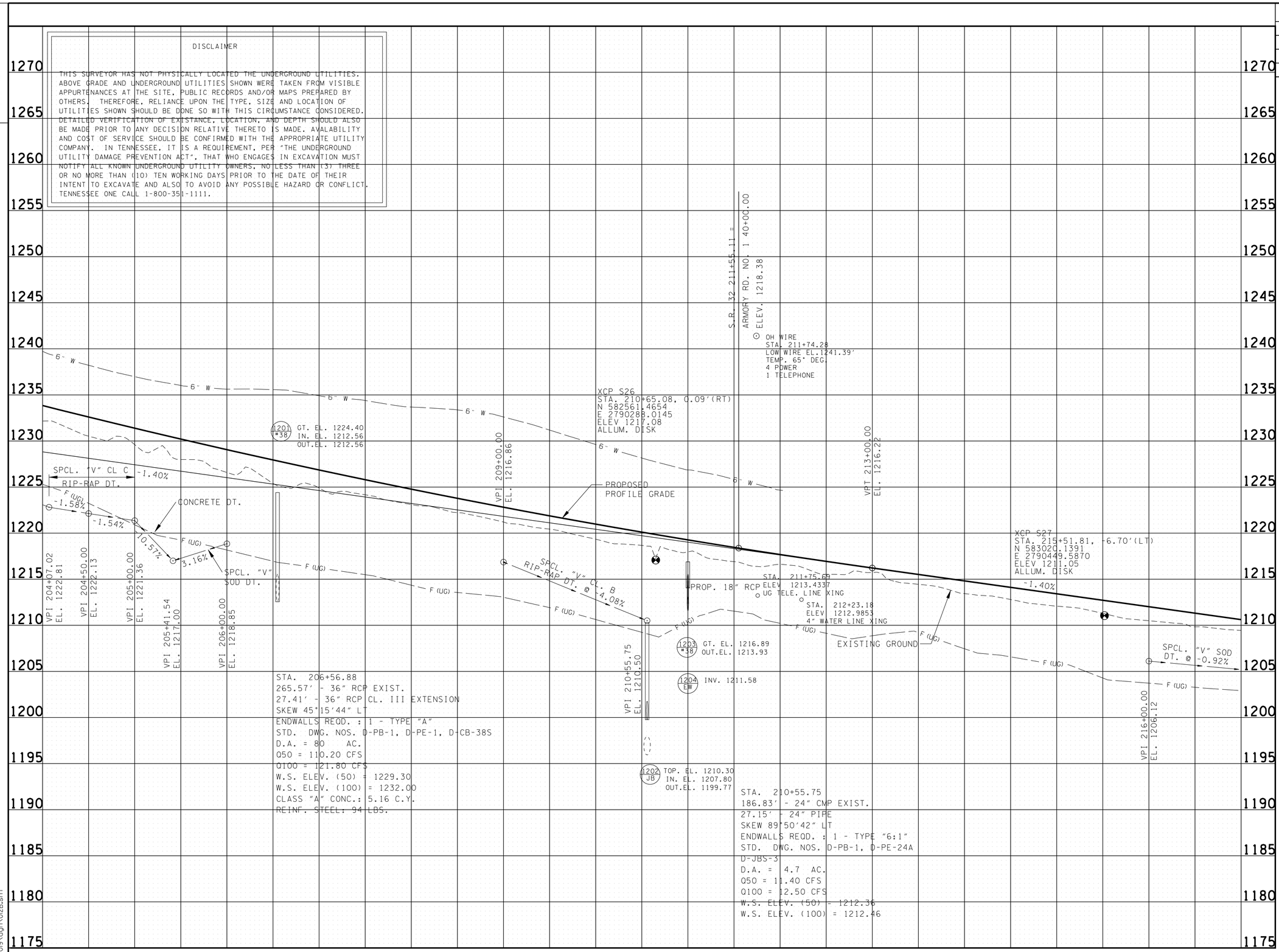

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 204+00 TO STA. 217+00

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

10/15/2014
h:\07019\dgn\012B.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	13
CONST.	2015	HPP/STP-32(57)	13

AREA TO BE SCARIFIED, OBLITERATED, RESHAPED, AND SEEDED.

N

MATCH LINE STA. 217+00 SEE SHT. NO. 12

MATCH LINE STA. 230+00 SEE SHT. NO. 14

WOODS

220

225

PRES. & PROP. R.O.W.

TRAIL

EXISTING GUARDRAIL (TO BE REMOVED)

INV-1190.88
36" CMP
(RETAIN)

INV-1191.50

BRUSH

S.R. 32

CP-S28

15-032-28 N 34° 02' 00" E

F (UG)

INV-1191.32

18" CMP (REMOVE)

INV-1191.09

10' ASP.

INV-1151.23
INV-1151.37
INV-1151.07

WOODS TOE OF FILL

TOP OF CUT

229+18.39
180.00'

SET STAKE

226+93.97
135.43'

N 45° 15' 56" E
228.80'

S 27° 43' 25" W
308.54'

N 37° 18' 31" E
199.72'

EIP

N 37° 29' 13" E
130.92'

N 37° 25' 0" E
149.94'

N 27° 43' 25" E
271.15'

218+35.82
182.09'

219+68.12
190.29'

221+17.79
199.14'

223+87.30
169.34'

FENCE

S 66° 53' 51" W
236.35'

225+84.99
297.06'

229+58.35
179.83'

N 73° 42' 0" W
34.71'

229+68.92
212.89'

S 35° 39' 0" E
243.67'

STR-6

N 66° 59' 21" E
315.33'

S 3° 2' 42" E
11.88'

S 4° 22' 29" E
32.22'

228+84.32
441.040'

228+74.84
448.56'

228+49.58
468.59'

S 25° 33' 27" E
281.13'

222+70.48
505.28'

N 38° 4' 8" E
214.00'

220+56.97
490.22'

N 38° 4' 8" E
300.76'

217+42.69
467.22'

S 40° 17' 2" E
297.73'

N 44° 9' 48" W
297.36'

ST 219+44.60

25' ASP.

9' ASP.

10' GR.

8' GR.

POST

BARN

1-B-RES.

1-F-RES.

F-SHED

SERVICE

PROPANE

LAWN

HAY

SET STAKE

JAMES CLEO WILLIAMSON & WIFE CHARLENE WILLIAMSON
40

STANLEY ROGER LANE & WIFE SYLVESTA LANE
41

EDWARD LANE
42

DEUTSCHE BANK NATIONAL TRUST COMPANY
43

ZANE A. ALMANY & WIFE ANNA LOU RAINES ALMANY
44

OLD HWY. 32

P/T/TV

MB

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 106131
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF L0.00010 AND TIED TO THE TCRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 217+00 TO STA. 230+00

SCALE: 1"= 50'

10/5/2014
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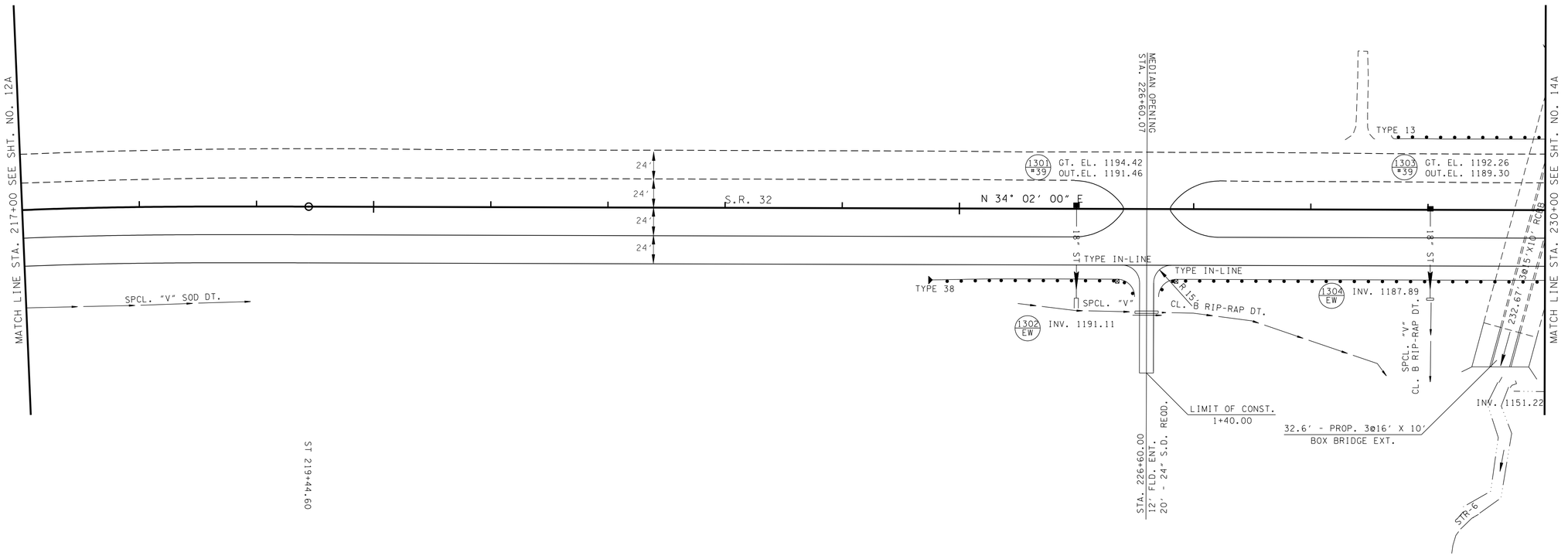
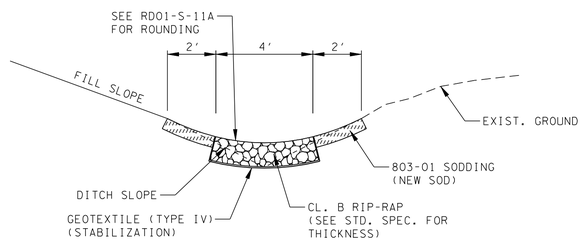
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	13A
CONST.	2015	HPP/STP-32(57)	13A

220

225





SPCL. "V" CL. B RIP-RAP DT.
STA. 225+50.00 TO STA. 228+50.00
STA. 229+02.00

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104319
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

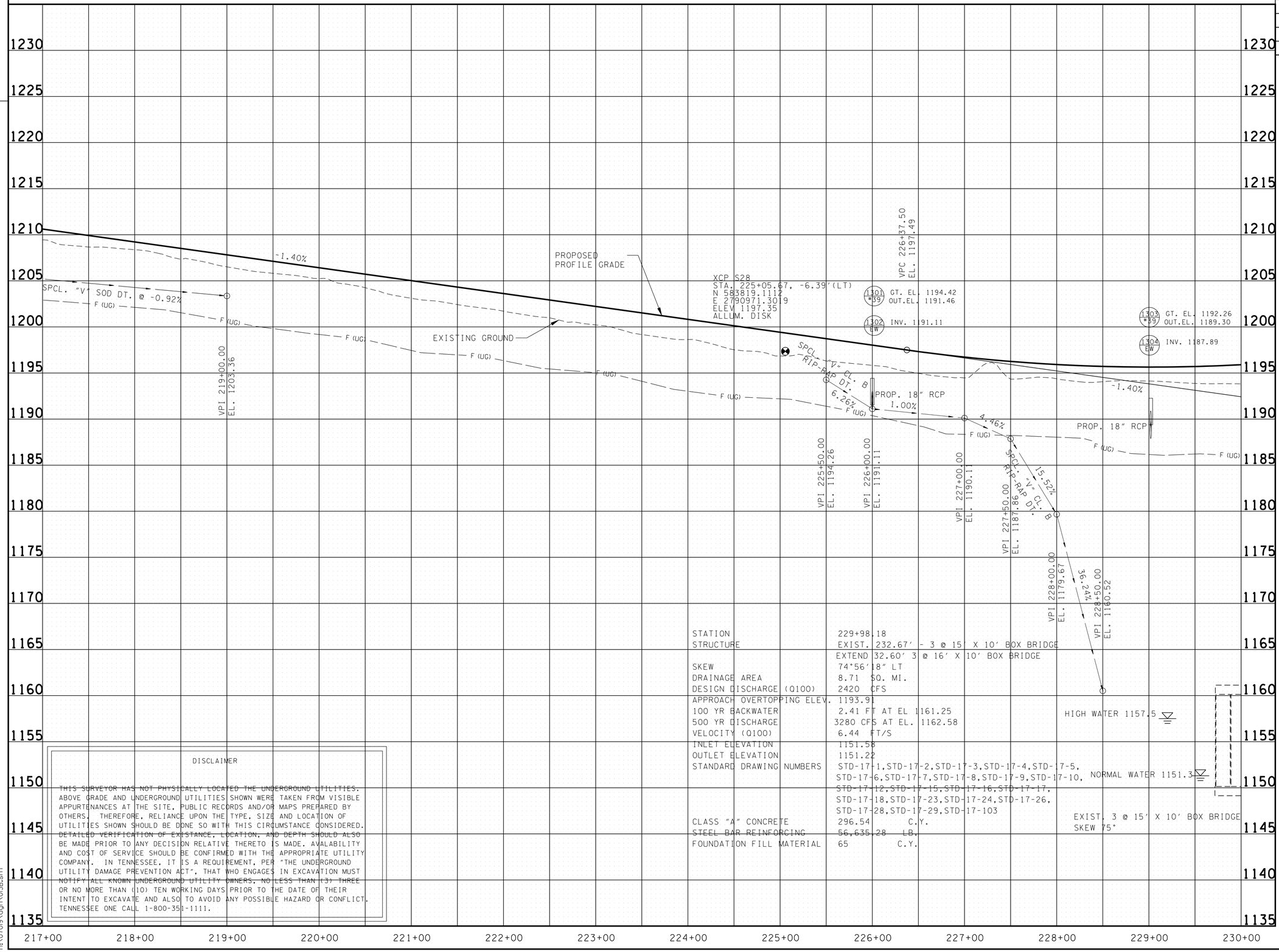
STA. 217+00 TO STA. 230+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\013A.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	13B
CONST.	2015	HPP/STP-32(57)	13B



STATION		229+98.18
STRUCTURE		EXIST. 232.67' - 3 @ 15' X 10' BOX BRIDGE
		EXTEND 32.60' 3 @ 16' X 10' BOX BRIDGE
SKEW		74°56'18" LT
DRAINAGE AREA		8.71 SQ. MI.
DESIGN DISCHARGE (Q100)		2420 CFS
APPROACH OVERTOPPING ELEV.		1193.91
100 YR BACKWATER		2.41 FT AT EL 1161.25
500 YR DISCHARGE		3280 CFS AT EL. 1162.58
VELOCITY (Q100)		6.44 FT/S
INLET ELEVATION		1151.58
OUTLET ELEVATION		1151.22
STANDARD DRAWING NUMBERS		STD-17-1,STD-17-2,STD-17-3,STD-17-4,STD-17-5, STD-17-6,STD-17-7,STD-17-8,STD-17-9,STD-17-10, STD-17-12,STD-17-15,STD-17-16,STD-17-17, STD-17-18,STD-17-23,STD-17-24,STD-17-26, STD-17-28,STD-17-29,STD-17-103
CLASS "A" CONCRETE		296.54 C.Y.
STEEL BAR REINFORCING		56,635.28 LB.
FOUNDATION FILL MATERIAL		65 C.Y.

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UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 109131

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 217+00 TO STA. 230+00

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

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	14
CONST.	2015	HPP/STP-32(57)	14

REV 06-05-13: CORRECTED EXISTING ROADWAY NAME

AREA TO BE SCARIFIED, OBLITERATED, RESHAPED, AND SEEDED.

S.R. 32
PI 236+93.51
N 584,799.9108
E 2,791,641.4065
Δs 19° 50′ 00″ (LT)
θs 4° 22′ 30″
Δc 11° 05′ 00″ (LT)
Dc 2° 30′ 00″
Rc 2,291.83
Lc 443.33
Ts 576.03
Ls 350.00
SE 0.061 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 350′

NOTE:
CONTRACTOR TO USE ALL MEANS NECESSARY TO PREVENT ANY IMPACTS TO STR-7

MATCH LINE STA. 230+00 SEE SHT. NO. 13

MATCH LINE STA. 243+00 SEE SHT. NO. 15

ENGLISH CREEK
STR-6
STR-7
LAUREL BRANCH
TS 231+17.48
SC 234+67.48
CS 239+10.82
235
240
HAY
WOODS
PRES. & PROP. R.O.W.
EW
INV-1151.85
INV-1151.58
INV-1151.69
15" x 10" RCBB
SR 32 (US 321) 24' ASP. WITH 2@10' ASP. SH.
EXISTING GUARDRAIL (TO BE REMOVED)
CP-S29
15-032-29
S.R. 32
24" CMP (REMOVE)
INV-1211.17
INV-1212.00
JUNCTION BOX (REMOVE)
INV-1221.95
INV-1221.39
8" CMP (REMOVE)
INV-1205.68
INV-1201.14
18" CMP (RETAIN)
10' ASP.
12' ASP.
F (UG)
F-SHED
SERVICE
10' GR.
20' GR.
1-F-RES.
242+60.82
BL-WELL HOUSE
TOP OF FILL
TOP OF CUT
WWC-4
24" CMP (REMOVE)
INV-1163.28
INV-1170.42
N 45° 15′ 56″ E
228.80′
N 23° 18′ 48″ E
441.32′
N 23° 18′ 48″ E
156.55′
N 23° 18′ 48″ E
155.13′
233+61.60
172.86′
233+18.39
180.00′
N 23° 18′ 48″ E
45.89′
237+75.16
143.68′
239+22.02
152.37′
240+68.39
170.00′
242+37.23
170.24′
242+48.86
243.50′
R=125.00′
L=129.47′
S 83° 22′ 29″ E
188.25′
S 83° 22′ 29″ E
319.51′
S 83° 22′ 29″ E
73.90′
N 14° 47′ 4″ E
172.70′
16' ASP.
CHAIN LINK
GR.
MOBILE HOUSE
M-GAR.
PROPANE
P/T/TV
METAL
12' GRAVEL
6" SS
0" GV
R
P
EIP
S TOR.
45
46
47
48
CHARLOTTE ANN MCMAHAN
REBA B. SUTTON
ELOY CARBO
GREGORY ANDERSON & WIFE AGNES ANDERSON
ZANE A. ALMANY & WIFE ANNA LOU RAINES ALMANY
44
CULTIVATED
BRUSH
TRAIL
CLOTHES LINE
F-SHED
1-B-RES.
S 10° 33′ 0″ E
132.47′
R=300.00′
L=89.71′
N 78° 6′ 40″ E
387.60′
236+77.96
386.38′
237+47.49
347.89′
238+18.77
325.70′
N 6° 35′ 0″ E
84.71′
N 6° 35′ 0″ E
149.92′
239+47.88
292.76′
OVERHILL RD.
21' CONC.
RES.TRAILER
DECK
F-GAR.
WELL
SHED
SERVICE
SHED PRES. & PROP. R.O.W.
1-F-RES.
SATELLITE
LAWN
GMB
P/T/TV

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE NO. 104210
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 230+00 TO STA. 243+00

SCALE: 1"= 50′

10/15/2014
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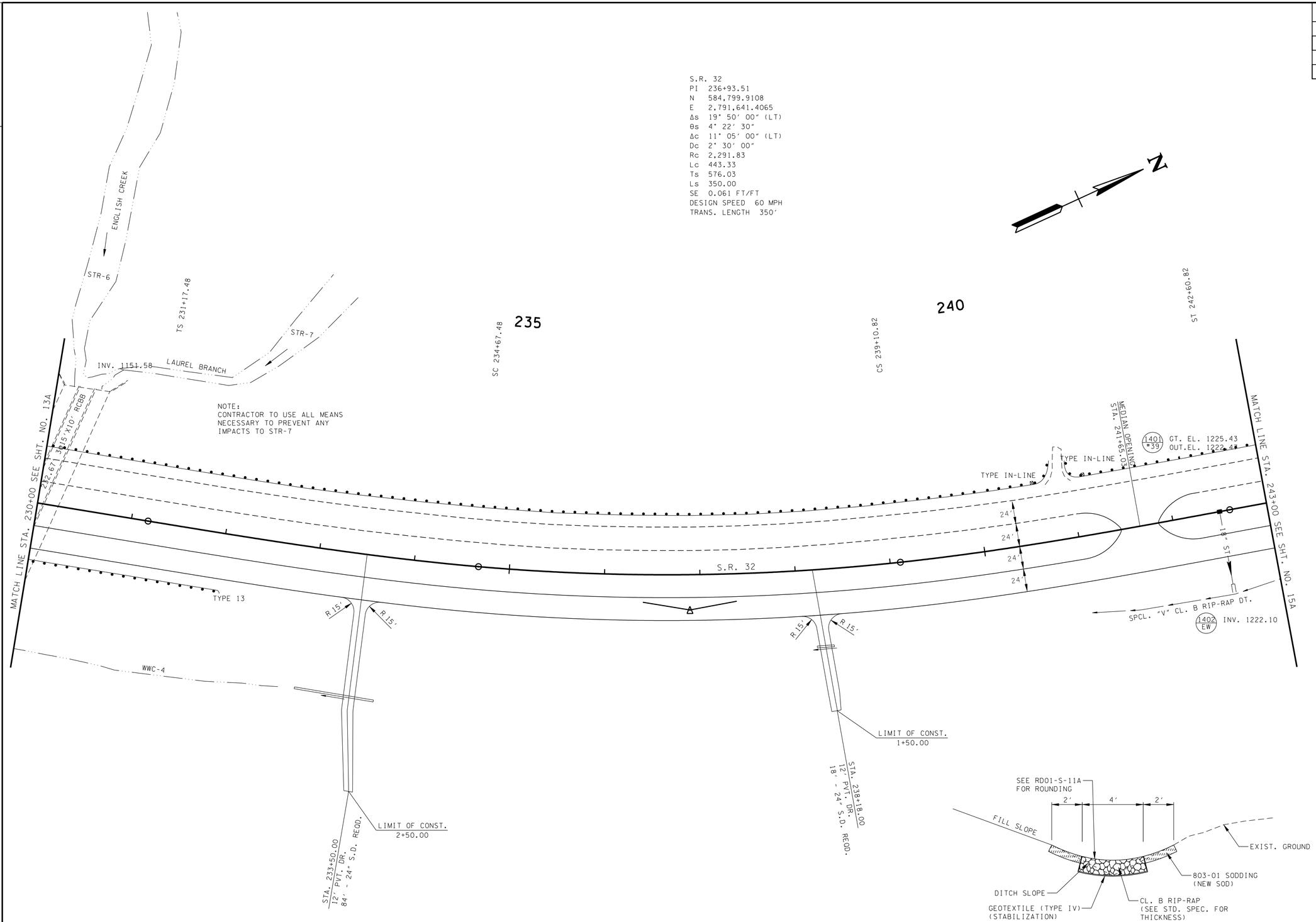
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	14A
CONST.	2015	HPP/STP-32(57)	14A

S.R. 32
PI 236+93.51
N 584,799.9108
E 2,791,641.4065
Δs 19° 50′ 00″ (LT)
θs 4° 22′ 30″
Δc 11° 05′ 00″ (LT)
Dc 2° 30′ 00″
Rc 2,291.83
Lc 443.33
Ts 576.03
Ls 350.00
SE 0.061 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 350′



SPCL. "V" CL. B RIP-RAP DT.
STA. 241+00.00 TO STA. 243+00.00

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 230+00 TO STA. 243+00

SCALE: 1"= 50′

10/15/2014
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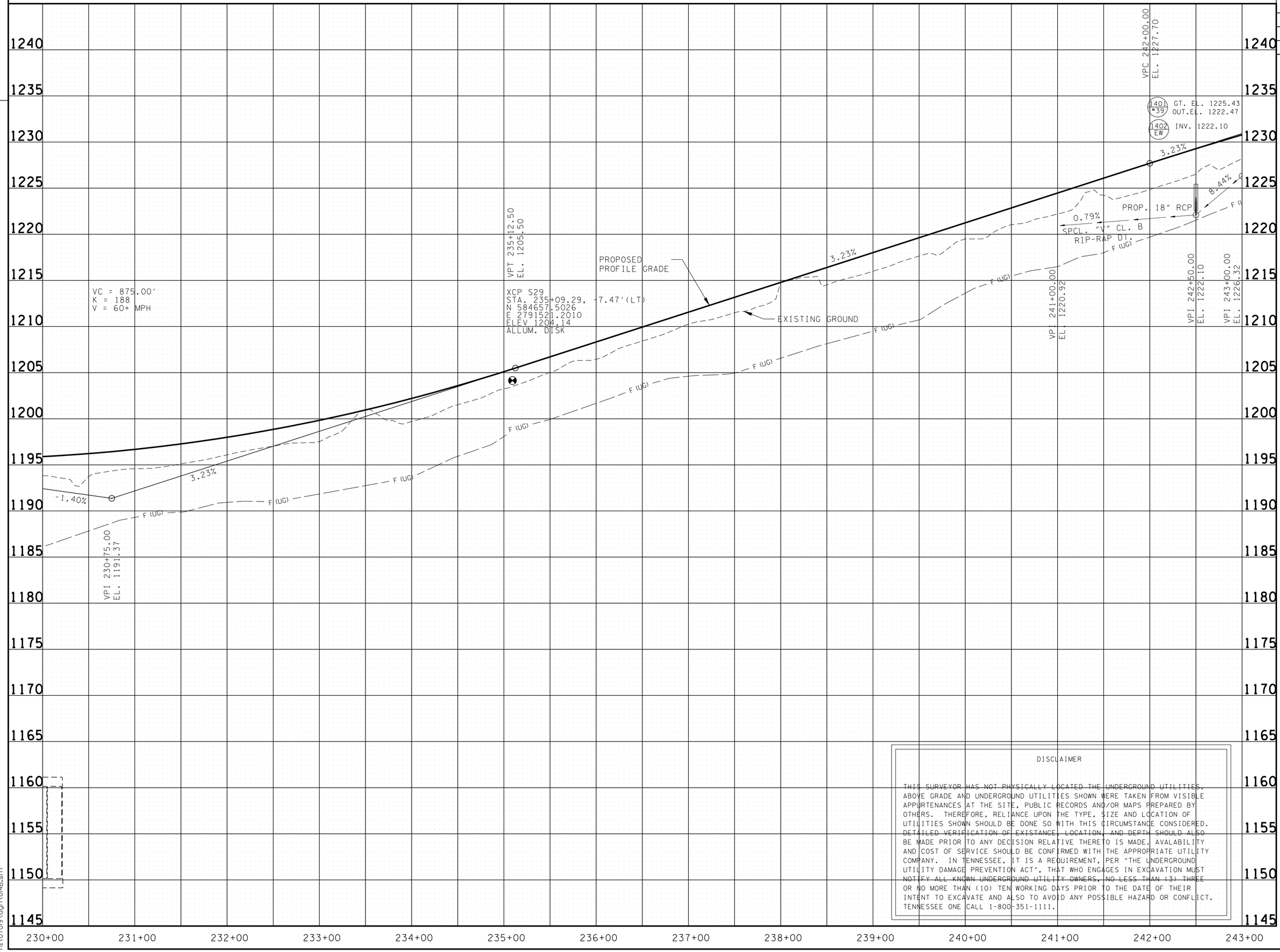
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	14B
CONST.	2015	HPP/STP-32(57)	14B



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UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 230+00 TO STA. 243+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

10/5/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	15
CONST.	2015	HPP/STP-32(57)	15

REV 06-05-13: CORRECTED EXISTING ROADWAY NAME; REVISED DRIVEWAY

MATCH LINE STA. 243+00 SEE SHT. NO. 14

MATCH LINE STA. 256+00 SEE SHT. NO. 16

245 250 255

WOODS PASTURE WOODS PASTURE HAY

BARN 14' GR.

RW RW RW

I.F. PRES.

PRES. & PROP. R.O.W.

BRUSH BRUSH BRUSH BRUSH 10' GR.

11' ASP.

18" CMP (RETAIN) INV-1238.58 INV-1238.96

18" CMP (RETAIN) INV-1241.10 INV-1241.11

CP-S30 15-032-30

CP-S31 15-032-31 N 14° 12' 00" E

S.R. 32

F (UG) INV-1238.81 INV-1238.91 18" CMP (REMOVE)

10' ASP.

244+91.11 172.83'

TOP OF CUT

SERVICE

N 14° 47' 4" E 253.96'

SERVICE WELL HOUSE

WELL

10' GR.

20" TREE

N 71° 37' 8" E 23.11'

245+03.55 192.30'

PRES. & PROP. R.O.W.

N 14° 47' 4" E 594.09'

N 14° 47' 4" E 563.20'

PRES. & PROP. R.O.W.

250+85.17 178.89'

RES. TRAILER

SERVICE

12' GR.

15' BM 174.57'

LAWN

WM

50

JERRY R.ARROWOOD & WIFE MARCIA ARROWOOD

HAY

WOODS

48

ELOY CARBO

R=125.00' L=129.47'

243+61.53 289.97'

POLE

SHED

ROAD

TRAILER

S 25° 44' 0" E 501.43'

OVERHILL RD.

CARPORT

244+06.55 346.79'

10' GR.

PRES. R.W.

DEER

PROPANE

RES. TRAILER

N 71° 37' 8" E 366.06'

247+00.68 500.75'

R=125.00' L=149.22'

12' GR.

WELL

P/T/TV

EIP

244+16.53 486.95'

49

LUTHER DUN JR.

51

G.D. WILLIAMS & WIFE MARY E. WILLIAMS

AREA TO BE SCARIFIED, OBLITERATED, RESHAPED, AND SEEDED.

SEALED BY

Brian H. Trotter REGISTERED ENGINEER STATE OF TENNESSEE DEPARTMENT OF AGRICULTURE COMMERCE NO. 104210

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 243+00 TO STA. 256+00

SCALE: 1"= 50'

10/15/2014
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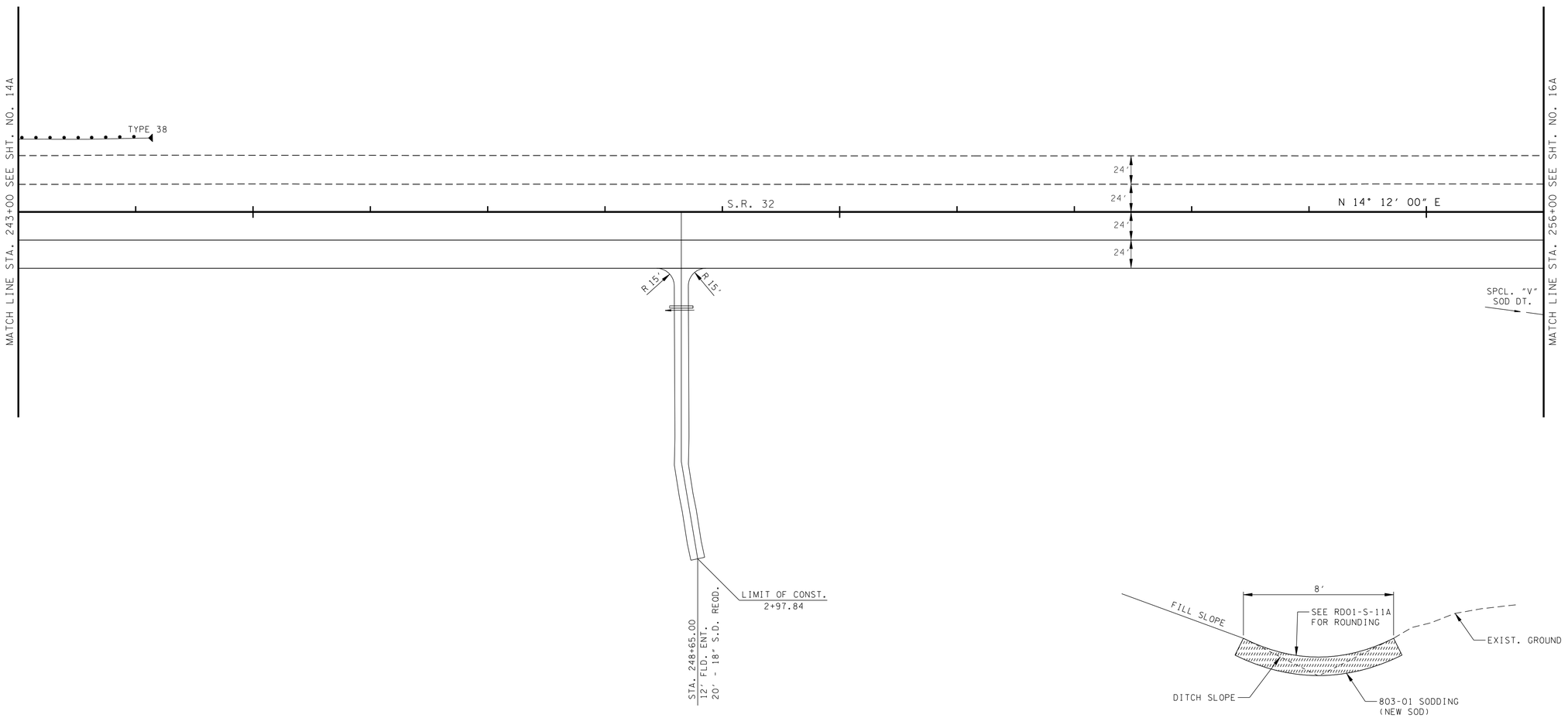
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	15A
CONST.	2015	HPP/STP-32(57)	15A

REV 06-05-13: REVISED DRIVEWAY
RT. STA. 248+65

245 250 255



SPCL. "V" SOD DT.
STA. 255+50.00 TO STA. 259+00.00

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 243+00 TO STA. 256+00

SCALE: 1"= 50′

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	15B
CONST.	2015	HPP/STP-32(57)	15B

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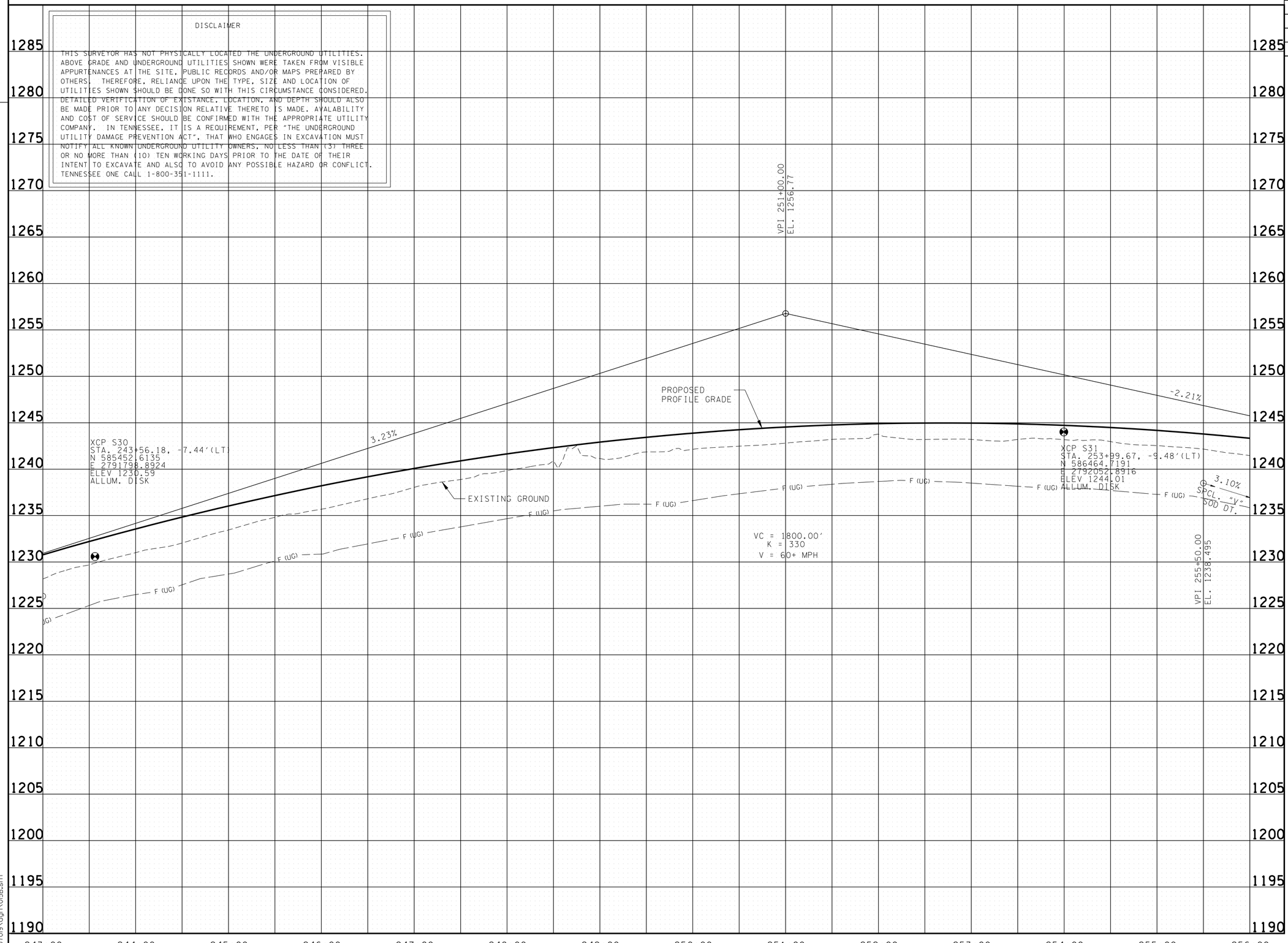

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 243+00 TO STA. 256+00

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

10/15/2014
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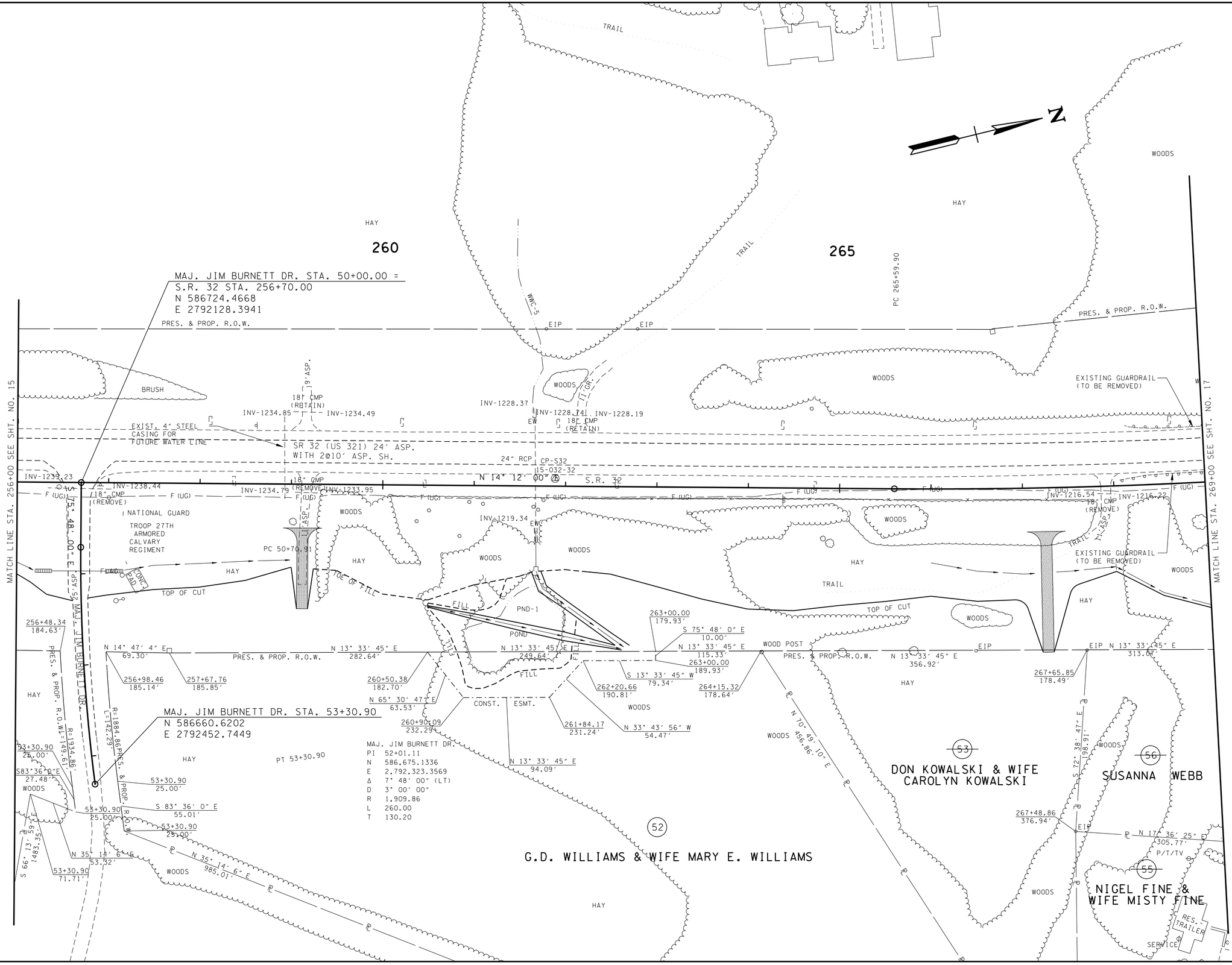
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	16
CONST.	2015	HPP/STP-32(57)	16

REV. 03-10-14: ADDED APPROX. LOCATION OF 4" STEEL CASING NEAR STA. 259+90±



SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 256+00 TO STA. 269+00

SCALE: 1"= 50'

10/15/2014
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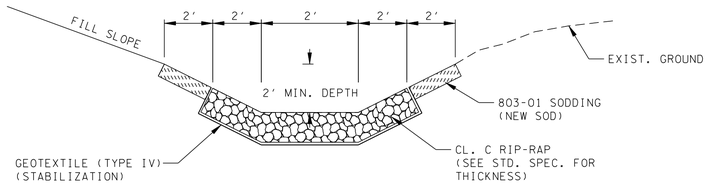
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	16A
CONST.	2015	HPP/STP-32(57)	16A

REV. 03-10-14: ADDED APPROX. LOCATION OF EXIST. 4" STEEL CASING NEAR 259+90± AND ADDED PROPOSED EXTENSION



SPCL. 2' F.B. CL. C RIP-RAP DT.
STA. 261+68.40 TO STA. 262+63.82

260

265

N

MAJ. JIM BURNETT DR. STA. 50+00.00 =
S.R. 32 STA. 256+70.00
N 586724.4668
E 2792128.3941

PC 265+59.90

WMC-5

INV. 1228.37

24" RCP

1603 #38 GT. EL. 1229.73
IN. EL. 1222.88
OUT.EL. 1222.88

STA. 267+31.00
MEDIAN OPENING

TYPE 13

EXIST. 4" STEEL
CASING FOR
FUTURE WATER LINE

1601 #38 GT. EL. 1239.78
OUT.EL. 1236.82

1605 #39 GT. EL. 1219.89
OUT.EL. 1216.93

N 14° 12' 00" E S.R. 32

24'
24'
24'
24'

MATCH LINE STA. 256+00 SEE SHT. NO. 15A

S 75° 48' 00" E

18" ST.

R 50'

15 TON CL.
A-1 RIP-RAP

TYPE IN-LINE

TYPE 38

PC 50+10.91

R 15'

SPCL. "V" SOD DT.

24" PIPE
INV. 1236.31

INV. 1235.88

60' - 4" STEEL
CASING EXTENSION

1602 EW
INV. 1236.48

MAJ. JIM BURNETT DR.

LIMIT OF CONST.
51+00.00

LIMIT OF CONST.
1+36.37

STA. 259+12.58
12" FLD. ENT.
27' - 24" S.D. REQD.

INV. 1218.66

1604 JB TOP. EL. 1223.47
IN. EL. 1219.35
OUT.EL. 1219.25

TYPE 13

24" PIPE

SPCL. 2' F.B. DT.

SPCL. "V" DT.

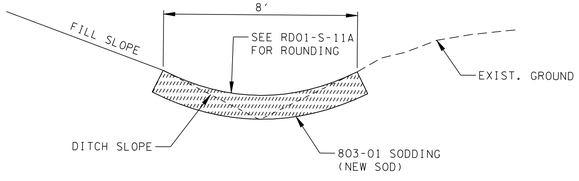
SPCL. "V"
SOD DT.

FILL EXISTING POND
TO ELEV. 1219.00
WITH GRADED SOLID ROCK

MAJ. JIM BURNETT DR. STA. 53+30.90
N 586660.6202
E 2792452.7449

PT 53+30.90

MAJ. JIM BURNETT DR.
PI 52+01.11
N 586,675.1336
E 2,792,323.3569
Δ 7° 48' 00" (LT)
D 3° 00' 00"
R 1,909.86
L 260.00
T 130.20



SPCL. "V" SOD DT.
STA. 260+50.00 TO STA. 262+63.82
STA. 266+00.00 TO STA. 268+00.00

TYPE IN-LINE

TYPE 38

1606 EW INV. 1216.22

SPCL. "V" SOD DT.

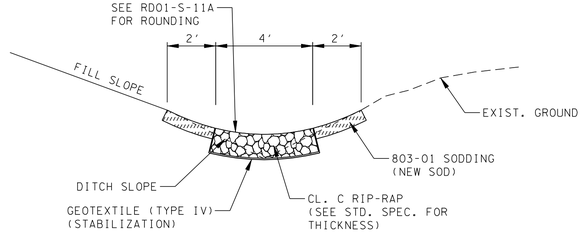
SPCL. "V"
SOD DT.

SPCL. "V" CL. C
RIP-RAP DT.

MATCH LINE STA. 269+00 SEE SHT. NO. 17A

STA. 267+25.00
12" FLD. ENT.
20' - 18" S.D. REQD.

LIMIT OF CONST.
1+80.00



SPCL. "V" CL. C RIP-RAP DT.
STA. 268+00.00 TO STA. 269+75.00

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
TENNESSEE DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 104319
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 256+00 TO STA. 269+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	16B
CONST.	2015	HPP/STP-32(57)	16B

S.R. 32 256+70.00 =
MAJ. JIM BURNETT RD. 50+00.00
ELEV. 1242.56

VPT 260+00.00
EL. 1236.92

-2.21%

PROP. 18" RCP

3.10%

0.72%

SPCL. "V" SOD DT.

F (UG)

1601 #38 GT. EL. 1239.78
OUT.EL. 1236.82

1602 EW INV. 1236.48

VPI 256+38.28
EL. 1235.76

VPI 259+00.00
EL. 1233.87

1603 #38 GT. EL. 1229.73
IN. EL. 1222.88
OUT.EL. 1222.88

1604 JB TOP. EL. 1223.47
IN. EL. 1219.35
OUT.EL. 1219.25

PROPOSED
PROFILE GRADE

XCP S32
STA. 261+86.53, -8.39'(LT)
N 587229.2123
E 2792247.4571
ELEV 1231.32
AL. UM. DISK

1605 #39 GT. EL. 1219.89
OUT.EL. 1216.93

1606 EW INV. 1216.22

-2.21%

VPI 268+00.00
EL. 1215.04

EXISTING GROUND

STA. 261+67.12
122.04' - 24" RCP EXIST.
39.87' - 24" PIPE
SKEW 89°14'14" LT
ENDWALLS REQD. : 1 - TYPE "B"
STD. DWG. NOS. D-PB-1, D-PE-9, D-PE-9A,
D-JBS-1, D-CB-38S
D.A. = 9.3 AC.
Q50 = 19.47 CFS
Q100 = 21.19 CFS
W.S. ELEV. (50) = 1231.23
W.S. ELEV. (100) = 1231.53
CLASS "A" CONC.: 2.09 C.Y.
REINF. STEEL: 244 LBS.

SPCL. "V" DT. @ 0.91%

SPCL. 2' F.B. DT. @ 2.05%

SPCL. "V" SOD DT. @ 0.91%

4.68%

PROP. 18" RCP

1.00%

SPCL. "V" SOD DT.

28.72%

SPCL. "V" CL. R1P-RAP DT.

3.10%

VPI 260+50.00
EL. 1218.00

VPI 261+68.40
EL. 1218.66

VPI 262+00.00
EL. 1216.65

VPI 262+63.82
EL. 1216.00

VPI 266+00.00
EL. 1220.06

VPI 266+82.00
EL. 1216.22

VPI 268+50.00
EL. 1200.68

VPI 269+00.00
EL. 1183.83

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256+00 257+00 258+00 259+00 260+00 261+00 262+00 263+00 264+00 265+00 266+00 267+00 268+00 269+00

1275 1270 1265 1260 1255 1250 1245 1240 1235 1230 1225 1220 1215 1210 1205 1200 1195 1190 1185 1180

10/5/2014
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UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 256+00 TO STA. 269+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	17
CONST.	2015	HPP/STP-32(57)	17

REV 01-15-14: ADDED WATER LINE WEST OF SR 32 AND NORTH OF ARMORY RD. NO. 2

N

MATCH LINE STA. 269+00 SEE SHT. NO. 16

MATCH LINE STA. 282+00 SEE SHT. NO. 18

S.R. 32
PI 273+15.06
N 588,319.2595
E 2,792,531.9387
Δ 15° 01′ 00″ (LT)
D 1° 00′ 00″
R 5,729.58
L 1,501.67
T 755.16
SE 0.029 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 200′

ARMORY ROAD NO. 2 STA. 60+00.00 =
S.R. 32 STA. 271+65.00
N 588180.5287
E 2792463.9053

NOTE:
CONTRACTOR TO USE ALL MEANS NECESSARY TO PREVENT ANY IMPACTS TO STR-8

ARMORY ROAD NO. 2
PI 63+36.41
N 588,132.8430
E 2,792,796.9220
Δ 32° 04′ 10″ (RT)
D 9° 30′ 00″
R 603.11
L 337.57
T 173.34
SE 0.058 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 145′

SUSANNA WEBB (56)
NIGEL FINE & WIFE MISTY FINE (55)
HASKELL E. PRESNELL & WIFE RUTH PRESNELL (57)
JAMES D. MOORE (58)
LYNN E. ARROWOOD & WIFE BRENDA J. ARROWOOD (59)
ANTHONY S. MCMAHAN & WIFE JENNIFER MCMAHAN (61)

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104219

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 269+00 TO STA. 282+00

SCALE: 1"= 50′

10/15/2014
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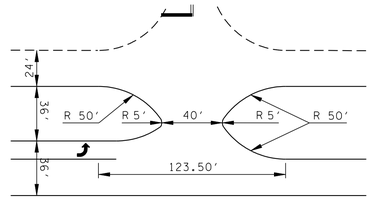
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	17A
CONST.	2015	HPP/STP-32(57)	17A

POND

S.R. 32
PI 273+15.06
N 588,319.2595
E 2,792,531.9387
Δ 15° 01′ 00″ (LT)
D 1° 00′ 00″
R 5,729.58
L 1,501.67
T 755.16
SE 0.029 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 200′



TYPICAL MEDIAN OPENING
WITH SINGLE TURN LANE
APPLIES TO ALL SINGLE
LEFT TURN MEDIAN OPENINGS

ARMORY ROAD NO. 2 STA. 60+00.00 =
S.R. 32 STA. 271+65.00
N 588180.5287
E 2792463.9053

270 275 280

PT 280+61.56

NOTE:
CONTRACTOR TO USE ALL MEANS
NECESSARY TO PREVENT ANY
IMPACTS TO STR-8

MATCH LINE STA. 269+00 SEE SHT. NO. 16A

MEDIAN OPENING STA. 271+65.00

42″ CMP

INV. 1178.90

TYPE IN-LINE

BEGIN MEDIAN TAPER
STA. 274+25.00
OFF 12.00′

INV. 1184.32

STR-8

END PROP. GUARDRAIL
TIE TO EXIST.
STA. 277+74.37
OFF 85.07′

END MEDIAN TAPER
STA. 276+70.00
OFF 24.00′

1704 #38 GT. EL. 1201.11
OUT.EL. 1196.66

6′X6′

ENGLISH MT. RD.

BEGIN PROP. GUARDRAIL
TIE TO EXIST.
STA. 278+12.47
OFF 96.40′

1706 #39 GT. EL. 1201.47
OUT.EL. 1198.09

TYPE 38

MEDIAN OPENING STA. 277+85.00

MATCH LINE STA. 282+00 SEE SHT. NO. 18A

24′
24′
24′

1701 #38 GT. EL. 1209.00
OUT.EL. 1206.04

S.R. 32

18″ ST.

24″ ST.

S 81° 51′ 04″ E

TYPE IN-LINE
INV. 1205.30

1702 EW

48″ PIPE

1703 MH
TOP EL. 1196.73
IN. EL. 1173.79
OUT.EL. 1170.75

SPCL. "V" CL. C RIP-RAP DT.

INV. 1170.35

PC 61+63.08
INV. 1166.96

SPCL. "V" CL. B RIP-RAP DT.

INV. 1169.23

EXISTING 30″CMP

INV. 1171.26

SPCL. "V" CL. B RIP-RAP DT.

R 50′

TYPE IN-LINE

BEGIN MEDIAN TAPER
STA. 272+75.00
OFF 24.00′

END MEDIAN TAPER
STA. 275+15.00
OFF 12.00′

TYPE 13

R 15′

1705 EW INV. 1195.60

1707 EW INV. 1197.18

SPCL. "V" CL. B RIP-RAP DT.

ACCESS RD.

ACCESS RD.

LIMIT OF CONST.
1+50.00

STA. 277+90.00
20′ ACCESS RD.
37′ - 42″ S.D. REQD.

NOTE:
CONTRACTOR TO USE ALL MEANS
NECESSARY TO PREVENT ANY
IMPACTS TO STR-8

STR-8

TIE TO EXIST. GUARDRAIL
STA. 64+00.00

ARMORY ROAD NO. 2

TYPE IN-LINE

R 15′ TYP.

STA. 62+48.08
10′ PVT. DR.
35′ - 18″ S.D. REQD.

LIMIT OF CONST.
1+40.00

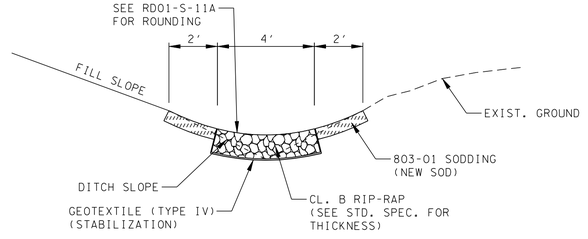
PT 65+00.65

65

TYPE 21

LIMIT OF CONST.
64+00.00

ARMORY ROAD NO. 2
PI 63+36.41
N 588,132.8430
E 2,792,796.9220
Δ 32° 04′ 10″ (RT)
D 9° 30′ 00″
R 603.11
L 337.57
T 173.34
SE 0.058 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 145′



SPCL. "V" CL. B RIP-RAP DT.
STA. 272+56.00 TO STA. 287+75.00

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 269+00 TO STA. 282+00

SCALE: 1"= 50′

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	17B
CONST.	2015	HPP/STP-32(57)	17B

DISCLAIMER

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STA. 269+80.82
234.15' - 42" CMP EXIST.
40.00' - 48" PIPE
SKEW 88°51'36" LT
ENDWALLS REQD. : 1 - TYPE "A"
STD. DWG. NOS. D-PB-1, D-PE-1, D-MH-2
D-MH-3
D.A. = 47 AC.
Q50 = 82.72 CFS
Q100 = 90.24 CFS
W.S. ELEV. (50) = 1185.24
W.S. ELEV. (100) = 1186.99
CLASS "A" CONC.: 5.88 C.Y.
REINF. STEEL: 90 LBS.

S.R. 32 271+65.00 =
ARMORY RD. NO. 2 60+00.00
ELEV. 1211.23

XCP 33
STA. 270+93.48, 0.09'(RT)
N 588109.7841
E 2792453.4114
ELEV 1210.57
ALLUM. DISK

VPC 273+00.00
EL. 1208.26

OH WIRE
STA. 279+03.56
LOW WIRE EL.1223.63'
TEMP. 65° DEG.
4 POWER
1 TELEPHONE

VC = 1150.00'
K = 176
V = 60+ MPH

PROPOSED
PROFILE GRADE

EXISTING GROUND

STA. 277+66.97
ELEV 1201.2075
UG TELE. LINE XING

STA. 278+42.63
ELEV 1200.2897
6" WATER LINE XING

1701 #38 GT. EL. 1209.00
OUT.EL. 1206.04

1702 EW INV. 1205.30

1703 MH TOP EL. 1196.73
IN. EL. 1173.79
OUT.EL. 1170.75

PROP. 18" RCP

PROP. 24" RCP

-2.21%

A.22%

0.79%

1.14%

1.08%

1.90%

1.80%

2.62%

1.60%

A.30%

6.11%

6.70%

-22.96%

F (UG)
T (UG)
6" W

VPI 269+00.00
EL. 1183.83

VPI 269+75.00
EL. 1166.59

VPI 272+56.00
EL. 1171.26

VPI 273+00.00
EL. 1174.21

VPI 276+50.00
EL. 1195.60

VPI 278+50.00
EL. 1197.18

VPI 278+75.00
EL. 1195.57

VPI 279+00.00
EL. 1199.29

VPI 279+50.00
EL. 1199.86

VPI 280+00.00
EL. 1200.40

VPI 280+50.00
EL. 1201.35

VPI 281+00.00
EL. 1202.25

VPI 281+50.00
EL. 1203.56

VPI 282+00.00
EL. 1204.36

SPCL. "V" CL. B
RIP-RAP DT.

1704 #38 GT. EL. 1201.11
OUT.EL. 1196.66

1705 EW INV. 1195.60

1706 #39 GT. EL. 1201.47
OUT.EL. 1198.09

1707 EW INV. 1197.18

STA. 272+41.16
399.91' - 6' X 6' RCBC EXIST.
SKEW 44°46'27" LT
D.A. = 390 AC.
Q50 = 288.5 CFS
Q100 = 340.8 CFS
W.S. ELEV. (50) = 1190.92
W.S. ELEV. (100) = 1192.06
(RETAIN)

1255 1250 1245 1240 1235 1230 1225 1220 1215 1210 1205 1200 1195 1190 1185 1180 1175 1170 1165 1160

269+00 270+00 271+00 272+00 273+00 274+00 275+00 276+00 277+00 278+00 279+00 280+00 281+00 282+00

10/15/2014
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UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104319
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 269+00 TO STA. 282+00

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

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	18
CONST.	2015	HPP/STP-32(57)	18

REV 06-05-13: REVISED CONST. ESMT. TRACT 65

REV 01-15-14: ADDED WATER LINE WEST OF SR 32

N

AREA TO BE SCARIFIED, OBLITERATED, RESHAPED, AND SEEDED.

NOTE:
CONTRACTOR TO USE ALL MEANS NECESSARY TO PREVENT ANY IMPACTS TO STR-8

MATCH LINE STA. 282+00 SEE SHT. NO. 17

MATCH LINE STA. 295+00 SEE SHT. NO. 19

SR 32 (US 321) 24' ASP. WITH 2@10' ASP. SH.

S.R. 32

PRES. & PROP. R.O.W.

285

290

PASTURE

BRUSH

WOODS

GRASS

HAY

LAWN

WOODS& UNDERGR.O.W.TH

WOODS

TRAIL

WOODS

N 0° 49' 00" W

INV-1257.49
18" CMP
INV-1254.41

INV-1223.36
60" CMP (RETAIN)

INV-1226.15

INV-1219.50
EW

STR-8

EXISTING GUARDRAIL (TO BE REMOVED)

INV-1230.43

INV-1231.57
18" CMP (REMOVE)

INV-1214.05

INV-1216.94
18" CMP (REMOVE)

INV-1199.33
12" ASP.

INV-1196.65
18" CMP (REMOVE)

INV-1209.58
18" CMP (REMOVE)

INV-1210.39

INV-1221.54

INV-1223.87
18" CMP (REMOVE)

INV-1226.19

INV-1238.85

INV-1239.80
18" CMP (REMOVE)

INV-1237.04

INV-1246.50

INV-1241.29

INV-1246.42

INV-1249.00
18" CMP (REMOVE)

INV-1249.71
60" CMP (RETAIN)

36" RCP

TOP OF CUT

TOE OF FILL

REMOVE, TOPSOIL & SEED

10' ASP.

12' ASP.

9' DIRT OLD RD.

OLD RD.

9' TRAIL

18' ASP.

MOBILE HOME

M-SHED

PROPANE

1-F-RES.

1-F-GAR.

DECK

RES. TRAILER

DOG HOUSE

GUY POLE

P/T/TV

EIP

CEM

MB

W.M.

P

T

F (UG)

M -9

6" W

12" W

12" M

CP-S34
15-032-34

CP-S35
15-032-35

282+00.00

282+66.88
352.90'

282+75.86
383.66'

282+90.68
161.44'

282+10.92
161.48'

283+47.54
359.57'

284+00.66
161.81'

285+50.79
285.57'

288+39.31
163.28'

288+66.90
332.76'

288+99.67
163.48'

289+55.27

290+82.29
348.22'

291+21.05
217.65'

291+52.21
131.84'

291+95.58
134.25'

292+04.59
136.52'

291+96.32
144.79'

293+35.85
195.78'

293+69.66
351.09'

293+78.31
171.47'

294+03.03
175.00'

294+08.32
185.82'

294+54.50
170.63'

294+78.42
367.22'

295+00.00

N 0° 37' 30" W
438.65'

N 0° 37' 30" W
109.99'

N 0° 37' 30" W
60.86'

N 4° 46' 33" E
41.41'

N 16° 50' 33" E
22.38'

N 16° 50' 33" E
8.83'

N 16° 50' 33" E
163.08'

N 16° 50' 33" E
157.87'

N 3° 41' 15" E
86.89'

S 3° 41' 15" W
46.24'

S 11° 3' 21" E
43.86'

N 34° 57' 10" E
202.59'

S 3° 31' 1" W
211.47'

N 3° 26' 19" E
243.79'

N 26° 12' 59" W
30.20'

N 74° 18' 36" E
443.38'

N 72° 36' 58" E
199.40'

N 63° 47' 1" E
208.00'

S 44° 30' 54" E
10.63'

N 35° 3' 36" E
252.57'

S 87° 6' 20" E
185.45'

N 49° 1' 13" E
50.79'

N 66° 4' 37" E
73.20'

S 1° 3' 15" E
80.66'

S 72° 54' 16" W
32.05'

N 22° 36' 33" W
243.44'

R=1026.45'
L=250.79'

T.S. 289+55.27

S.C. 290+06.06

C.S. 290+31.17

R=1171.92'

R=1026.45'

R=1171.92'

TOP CUT
R.O.W.
CONST.
ESMT.

14.65
39.35

10.65

62 BETTY ANN HALL ETAL.

63 MILES K. FINE

64 BILLY L. TEMPLETON & WIFE BONNIE L. TEMPLETON

65 LAYMAN CEMETERY

66 ROY MCMAHAN & WIFE JULIA MAE MCMAHAN

60 GEORGE STINNETT & WIFE DORIS A. STINNETT

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF AGRICULTURE
COMMERCE
NO. 106131
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00010 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 282+00 TO STA. 295+00

SCALE: 1"= 50'

10/5/2014
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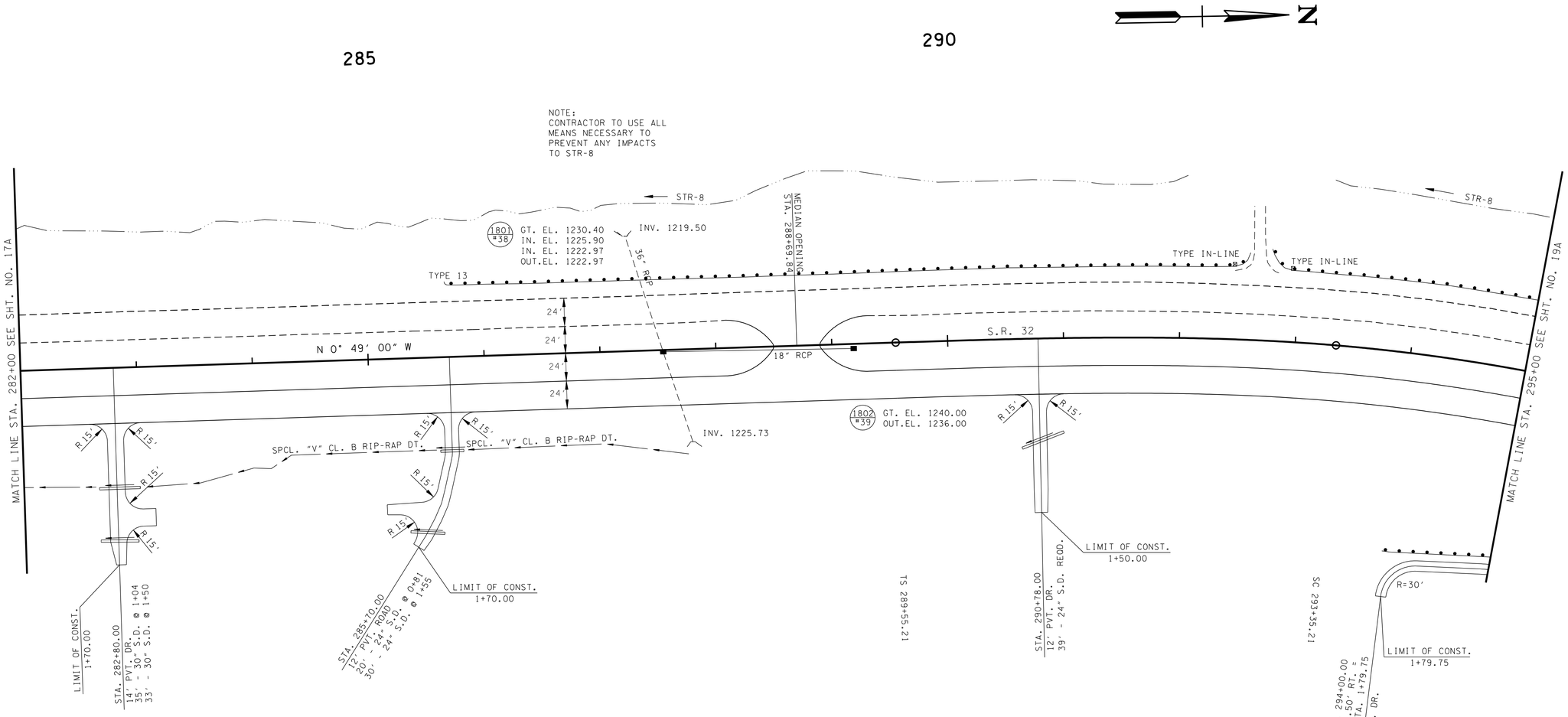
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	18A
CONST.	2015	HPP/STP-32(57)	18A

REV 06-05-13: REVISED GUARDRAIL AT DRIVEWAY STA. 294+00 RT.



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE AND INSURANCE
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 282+00 TO STA. 295+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	18B
CONST.	2015	HPP/STP-32(57)	18B

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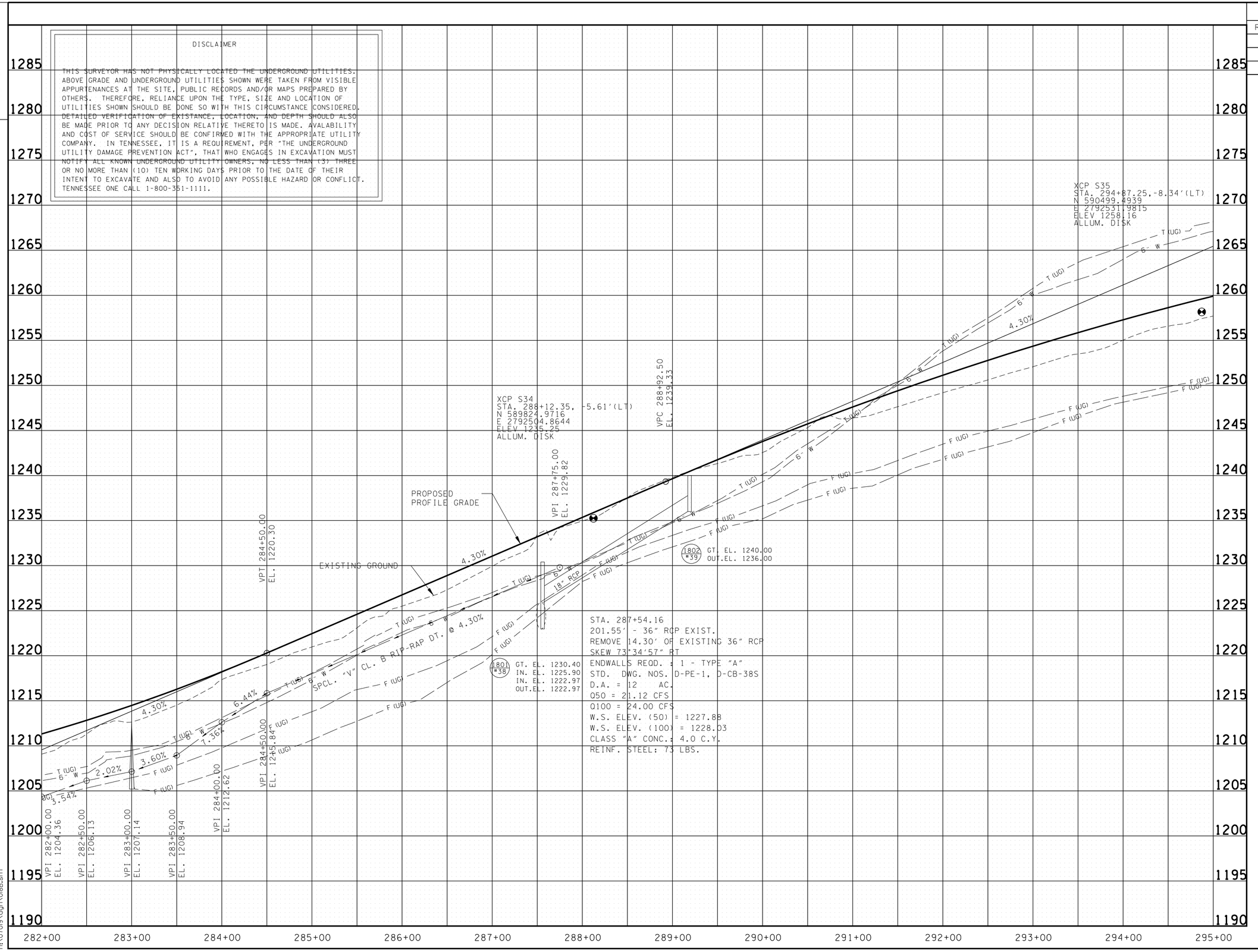

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DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
No. 104319
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 282+00 TO STA. 295+00

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

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	19
CONST.	2015	HPP/STP-32(57)	19

S.R. 32
PI 296+13.99
N 590,626.6170
E 2,792,499.0485
Δs 31° 53' 50" (RT)
θs 6° 39' 00"
Δc 18° 35' 50" (RT)
Dc 3° 30' 00"
Rc 1,637.02
Lc 531.35
Ts 658.78
Ls 380.00
SE 0.074 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 380'

REV 06-05-13: REVISED CONST. ESMT. TRACT 65

REV 01-15-14: ADDED WATER LINE WEST OF SR 32

COSBY CUTOFF NO. 1 STA. 70+00.00 =
S.R. 32 STA. 299+47.68
N 590931.2955
E 2792691.0502

COSBY CUTOFF NO. 1
PI 73+23.63
N 590,773.0808
E 2,792,973.3700
Δ 54° 31' 30" (LT)
D 22° 00' 00"
R 260.44
L 247.84
T 134.20

COSBY CUTOFF NO. 1 STA. 76+62.30
N 590926.3688
E 2793298.2644

NOTE:
CONTRACTOR TO USE ALL MEANS NECESSARY TO PREVENT ANY IMPACTS TO STR-8

LAYMAN CEMETERY

ARTHUR L. BAXTER

ALBERT B. BAXTER

CITY OF NEWPORT

COCONUT ROAD

ESTIE WAY

NEWPORT CITY LIMITS

S.R. 32

N 31° 04' 50" E

N 64° 44' 30" E

MATCH LINE STA. 295+00 SEE SHT. NO. 18

MATCH LINE STA. 308+00 SEE SHT. NO. 20

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 295+00 TO STA. 308+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\019.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

S.R. 32
PI 296+13.99
N 590,626.6170
E 2,792,499.0485
Δs 31° 53′ 50″ (RT)
θs 6° 39′ 00″
Δc 18° 35′ 50″ (RT)
Dc 3° 30′ 00″
Rc 1,637.02
Lc 531.35
Ts 658.78
Ls 380.00
SE 0.074 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 380′

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	19A
const.	2015	hpp/stp-32(57)	19A

REV 06-05-13: REVISED GUARDRAIL AT DRIVEWAY STA. 295+78 RT.

COSBY CUTOFF NO. 1 STA. 70+00.00 =
S.R. 32 STA. 299+47.68
N 590931.2955
E 2792691.0502

300

305

N

NOTE:
CONTRACTOR TO USE ALL MEANS NECESSARY TO PREVENT ANY IMPACTS TO STR-8

FEPLEY RD.

END PROP. GUARDRAIL TIE TO EXIST.
STA. 299+42.12
OFF 87.88′

18" RCP

COCONUT ROAD

STR-8

INV. 1240.17

30" RCP

TYPE IN-LINE

WWC-7

1901 *39 GT. EL. 1265.74
OUT.EL. 1262.78

S.R. 32

24′ 24′ 24′ 24′

N 31° 04′ 50″ E

1902 EW INV. 1261.50

18" ST

MATCH LINE STA. 295+00 SEE SHT. NO. 18A

MATCH LINE STA. 308+00 SEE SHT. NO. 20A

S 60° 47′ 00″ E

R-50′

30" RCP EXT.

24" PIPE

SPCL. "V" CL. B RIP-RAP DT.

INV. 1251.32

SPCL. "V" CL. B RIP-RAP DT.

INV. 1254.00

CONC. DT.

INV. 1259.96

LIMIT OF CONST.
0+00.00

SR 32 STA. 295+78.00
OFFSET 193.00′ RT. =
DRIVEWAY STA. 0+00.00
BEGIN 9′ PVT. DR.

R=100′

WWC-8
CS 298+66.56

18" RCP

EXIST. CONC. DT.

PC 71+89.43

LIMIT OF CONST.
71+02.00

ST 302+46.56

PT 74+37.27

75

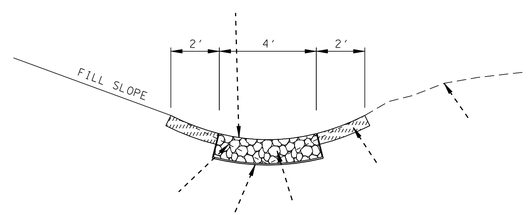
COSBY CUTOFF NO. 1

N 64° 44′ 30″ E

POT 76+62.30

COSBY CUTOFF NO. 1 STA. 76+62.30
N 590926.3688
E 2793298.2644

COSBY CUTOFF NO. 1
PI 73+23.63
N 590,773.0808
E 2,792,973.3700
Δ 54° 31′ 30″ (LT)
D 22° 00′ 00″
R 260.44
L 247.84
T 134.20



SPCL. "V" CL. B RIP-RAP DT.
STA. 297+25.75 TO STA. 298+50.00
STA. 300+00.00 TO STA. 301+00.00

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 295+00 TO STA. 308+00

SCALE: 1"= 50′

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	19B
CONST.	2015	HPP/STP-32(57)	19B

DISCLAIMER

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S.R. 32 299+47.68 = COSBY CUTOFF NO. 1 70+00.00
ELEV. 1267.98

OH WIRE
STA. 299+92.68
LOW WIRE EL.1289.39'
TEMP. 65° DEG.
4 POWER
1 TELEPHONE
1 CABLE

VPI 296+80.00
EL. 1273.19

XCP S36
STA. 299+80.37, -0.17'(LT)
N 590960.4001
E 2792705.9467
ELEV 1267.27
ALLUM. DISK

PROPOSED PROFILE GRADE

EXISTING GROUND

VPT 304+67.50
EL. 1269.81

4.30%
-0.43%
-0.43%
5.02%
4.83%
2.00%
2.00%
1.77%

6" W
T (UG)
F (UG)

STA. 298+98.69
ELEV 1262.5807
6" WATER LINE XING
PROP. 18" PIPE
SPCL. "V" CL. B RIP-RAP DT
24" PIPE
SPCL. "V" CL. B RIP-RAP DT.

VC = 1575.00'
K = 332
V = 60+ MPH

VPI 297+25.75
EL. 1251.32
VPI 297+50.00
EL. 1251.75
VPI 298+00.00
EL. 1252.75
VPI 298+50.00
EL. 1253.75
VPI 300+00.00
EL. 1259.96
VPI 300+50.00
EL. 1262.43
VPI 301+00.00
EL. 1264.90

1901 #39 GT. EL. 1265.74
OUT.EL. 1262.78

1902 EW INV. 1261.50

STA. 297+25.75
162.21' - 30" RCP EXIST.
54.62' - 30" RCP CL. III EXTENSION
SKEW 80°56'21" RT
ENDWALLS REQD. : 1 - "STR"
STD. DWG. NOS. D-PB-1, D-PE-4
D.A. = 1.8 AC.
Q50 = 4.88 CFS
Q100 = 5.36 CFS
W.S. ELEV. (50) = 1253.05
W.S. ELEV. (100) = 1253.15
CLASS "A" CONC.: 6.04 C.Y.
REINF. STEEL : 182 LBS.

1310 1305 1300 1295 1290 1285 1280 1275 1270 1265 1260 1255 1250 1245 1240 1235 1230 1225 1220 1215

295+00 296+00 297+00 298+00 299+00 300+00 301+00 302+00 303+00 304+00 305+00 306+00 307+00 308+00

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
TENNESSEE DEPARTMENT OF AGRICULTURE
LICENSE NO. 106210
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 295+00 TO STA. 308+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

10/15/2014
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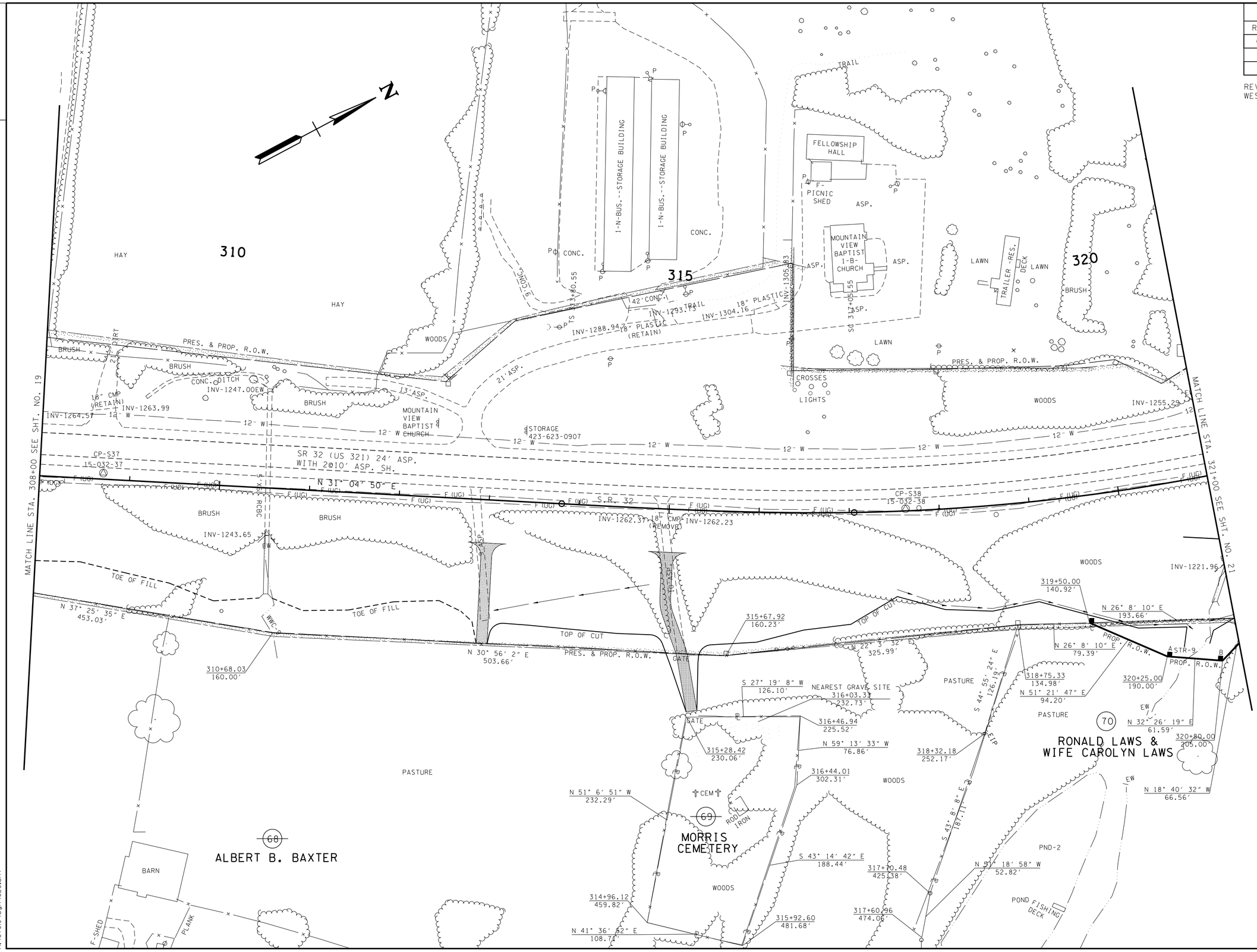
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	20
CONST.	2015	HPP/STP-32(57)	20

REV 01-15-14: ADDED WATER LINE WEST OF SR 32



SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104213
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 308+00 TO STA. 321+00

SCALE: 1"= 50'

10/15/2014
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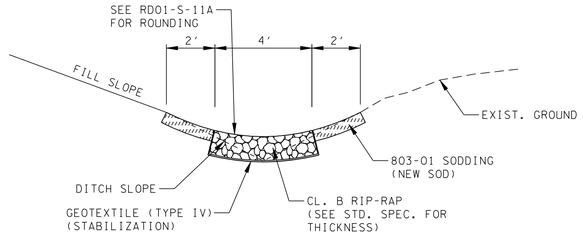
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	20A
CONST.	2015	HPP/STP-32(57)	20A



SPCL. "V" CL. B RIP-RAP DT.
STA. 317+50.00 TO STA. 320+50.00

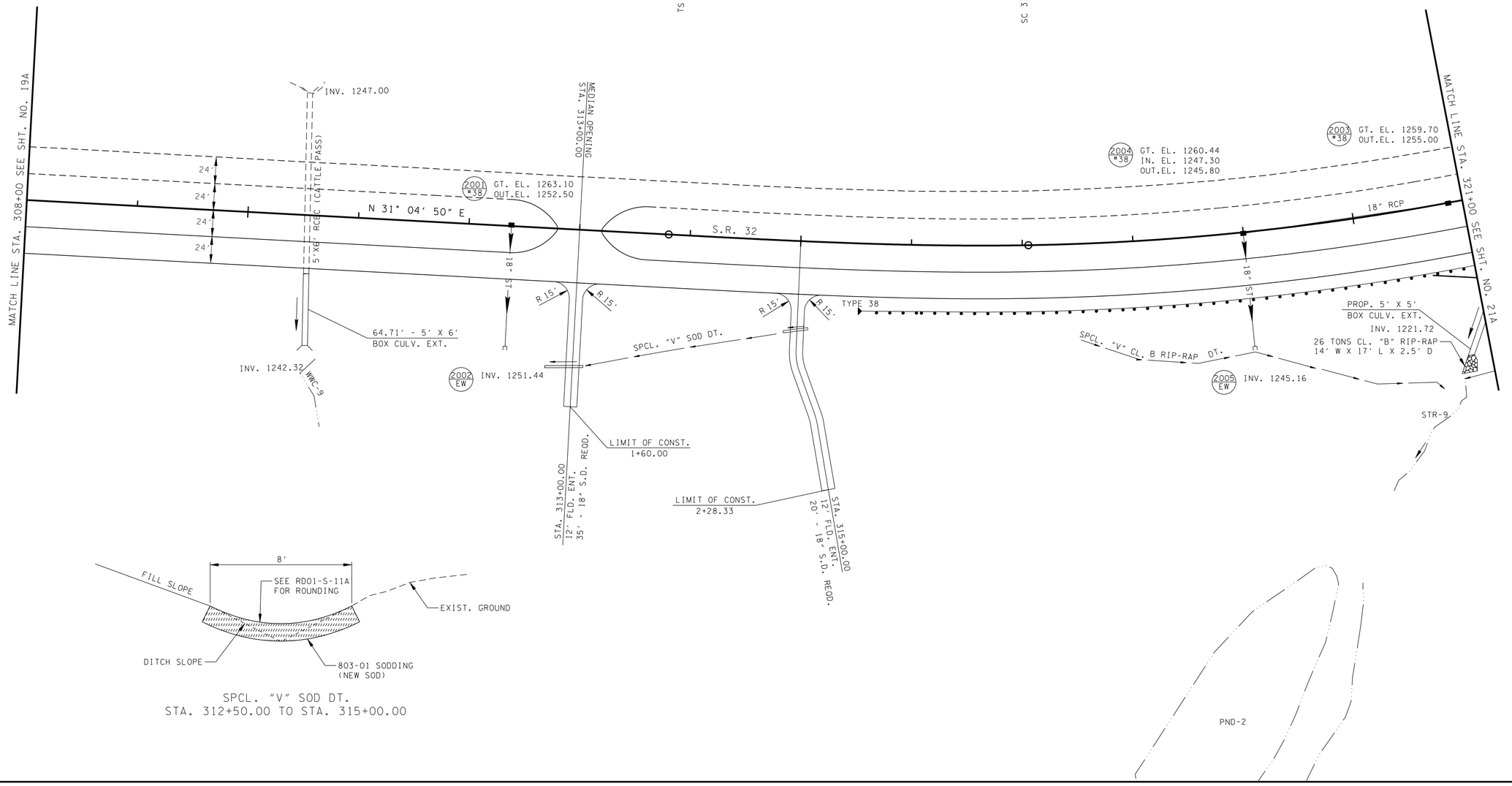
310

315

320

TS 313+80.55

SC 317+05.55



SPCL. "V" SOD DT.
STA. 312+50.00 TO STA. 315+00.00

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
TENNESSEE DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 104319
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 308+00 TO STA. 321+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	20B
CONST.	2015	HPP/STP-32(57)	20B

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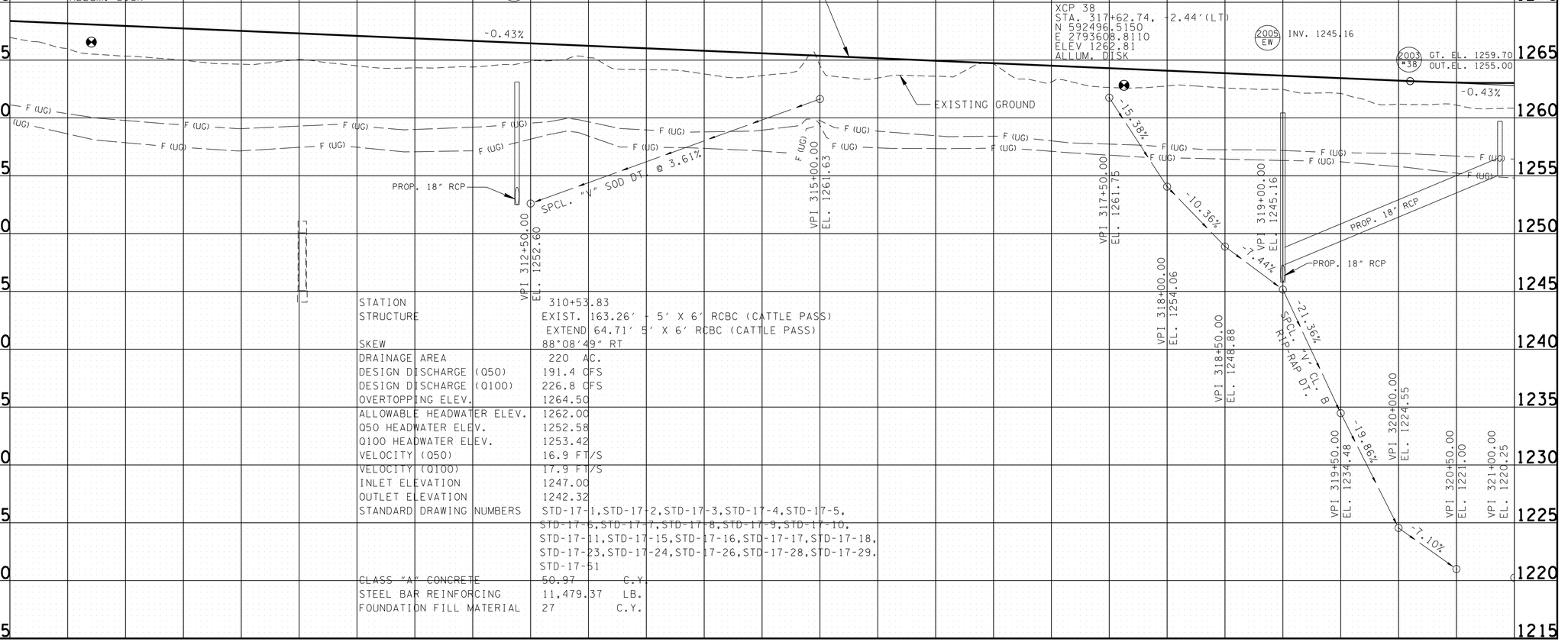

STATION	310+53.83
STRUCTURE	EXIST. 163.26' - 5' X 6' RCBC (CATTLE PASS) EXTEND 64.71' 5' X 6' RCBC (CATTLE PASS)
SKEW	88°08'49" RT
DRAINAGE AREA	220 AC.
DESIGN DISCHARGE (Q50)	191.4 CFS
DESIGN DISCHARGE (Q100)	226.8 CFS
OVERTOPPING ELEV.	1264.50
ALLOWABLE HEADWATER ELEV.	1262.00
Q50 HEADWATER ELEV.	1252.58
Q100 HEADWATER ELEV.	1253.42
VELOCITY (Q50)	16.9 FT/S
VELOCITY (Q100)	17.9 FT/S
INLET ELEVATION	1247.00
OUTLET ELEVATION	1242.32
STANDARD DRAWING NUMBERS	STD-17-1,STD-17-2,STD-17-3,STD-17-4,STD-17-5, STD-17-6,STD-17-7,STD-17-8,STD-17-9,STD-17-10, STD-17-11,STD-17-15,STD-17-16,STD-17-17,STD-17-18, STD-17-23,STD-17-24,STD-17-26,STD-17-28,STD-17-29. STD-17-51
CLASS "A" CONCRETE	50.97 C.Y.
STEEL BAR REINFORCING	11,479.37 LB.
FOUNDATION FILL MATERIAL	27 C.Y.

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 302+00 TO STA. 321+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	21
CONST.	2015	HPP/STP-32(57)	21

REV 01-15-14: ADDED WATER LINE WEST OF SR 32

N

S.R. 32
PI 321+21.60
N 592,796.6970
E 2,793,807.1185
Δs 28° 18′ 50″ (LT)
θs 4° 03′ 45″
Δc 20° 11′ 20″ (LT)
Dc 2° 30′ 00″
Rc 2,291.83
Lc 807.56
Ts 741.05
Ls 325.00
SE 0.061 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 325′

MATCH LINE STA. 321+00 SEE SHT. NO. 20

MATCH LINE STA. 334+00 SEE SHT. NO. 22

CITY OF NEWPORT

LEWIS RD.

PASTURE

330

325

LAWN
WOODS
STR-9
TRAILER-RES.
1 GAR.
SERVICE
LAWN
CARPORT
LAWN
DECK
1-B-RES
F. SHED
F. SHED
PRES. & PROP. R.O.W.
CONC. DITCH
10' ASP.
14' ASP.
12' W
INV-1255.00
INV-1226.88
12" W
EW INV-1227.21
12" W
24" CMP (RETAIN)
BRUSH
BRUSH
EXISTING GUARDRAIL (TO BE REMOVED)
TEL. PED.
T (UG)
INV-1254.61
EW
RCP
EW INV-1254.83
CS 3:1
RETAIN
BRUSH
TRAIL
BRUSH
F. SHED
ST 328+38.11
PRES. & PROP. R.O.W.
EXISTING GUARDRAIL (TO BE REMOVED)
BRUSH
12" W
8' ASP.
INV-1269.97
12" W
18" CMP (RETAIN)
INV-1270.62
12" W
12" W
12" W
10' ASP.
CP-S40
I5-032-40
TOP-1288.26
F (UG)
N 2° 45′ 59″ E
S.R. 32
F (UG)
F (UG)
F (UG)
F (UG)
F (UG)
F (UG)
CP-S39
15-032-39
INV-1270.67
18" CMP (REMOVE)
INV-1271.48
BRUSH
BRUSH
BRUSH
BRUSH
5'X5' RCBC
INV-1221.98
WOODS
HAY
TOP OF CUT
TOE OF FILL
TOP OF CUT
S 26° 8′ 10″ W
193.66′
S 26° 8′ 10″ W
89.47′
PROP. R.O.W.
TRAIL
PROP. R.O.W.
PROP. R.O.W.
PROP. R.O.W.
N 1° 36′ 47″ W
176.42′
A
B
A
N 6° 22′ 49″ E
408.43′
323+71.65
140.20′
N 24° 12′ 56″ W
94.41′
323+00.00
195.00′
322+11.69
182.84′
321+30.00
166.15′
N 18° 40′ 32″ W
66.26′
N 20° 30′ 29″ E
96.36′
WOODS
PASTURE
327+62.19
142.76′
N 7° 48′ 8″ E
318.93′
PRES. & PROP. R.O.W.
330+79.34
170.66′
CITY OF NEWPORT
N 3° 50′ 7″ E
870.81′
BRUSH
BRUSH
HAY
BRUSH
S 28° 18′ 14″ W
66.31′
326+31.57
272.84′
S 60° 45′ 25″ E
175.03′
326+88.13
300.13′
WOODS
PASTURE
71
HANSEL L. ALMANY
330+10.28
388.62′
N 18° 3′ 05″ E
338.66′
P/T
SERVICE
13-GR.
LAWN
GR.
S 3° 42′ 51″ W
393.31′
F&HP
S 66° 25′ 21″ E
454.81′
20-GR.
13.45% L
DECK
RES. TRAILER
DECK
SERVICE
LAWN
CHAIN LINK
10-GR.
PROPANE
1-B-RES.
GR.WALK
F. SHED
BRUSH
WOODS
70
RONALD LAWS & WIFE CAROLYN LAWS
BARN
1-F-RES

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
COMMERCE
No. 100219
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 321+00 TO STA. 334+00

SCALE: 1"= 50′

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	21A
CONST.	2015	HPP/STP-32(57)	21 A

N

S.R. 32
PI 321+21.60
N 592,796.6970
E 2,793,807.1185
Δs 28° 18′ 50″ (LT)
θs 4° 03′ 45″
Δc 20° 11′ 20″ (LT)
Dc 2° 30′ 00″
Rc 2,291.83
Lc 807.56
Ts 741.05
Ls 325.00
SE 0.061 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 325′

325

330

ST 328+38.11

STR-9

INV. 1226.88

5′X5′

TYPE 13

TYPE IN-LINE

TYPE 21

CS 324+13.11

LEWIS RD.

18″ RCP

MATCH LINE STA. 321+00 SEE SHT. NO. 20A

4°7′32″ LT

TYPE 13

2101 #39 GT. EL. 1266.50
OUT.EL. 1263.54

18″ ST

2102 EW INV. 1263.09

SPCL. "V" CL. B RIP-RAP DT.

SPCL. "V" CL. B RIP-RAP DT.

MEDIAN OPENING
STA. 325+10.71

24′
24′
24′
24′

N 2° 45′ 59″ E

S.R. 32

TYPE 13

2103 #38 GT. EL. 1286.98
OUT.EL. 1276.50

18″ ST

TYPE IN-LINE

TYPE 38

R 15′

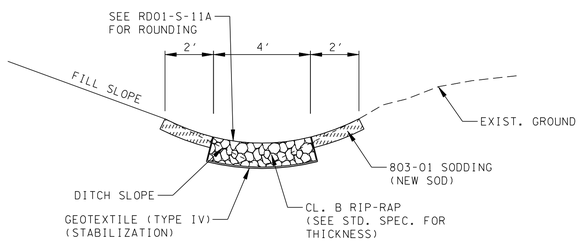
TYPE IN-LINE

2104 EW INV. 1276.00

MATCH LINE STA. 334+00 SEE SHT. NO. 22A

STA. 332+44.26
12″ FLD. ENT.
NO S.D. REQD.

LIMIT OF CONST.
1+01.73



SPCL. "V" CL. B RIP-RAP DT.
STA. 321+00.00 TO STA. 326+50.00

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 109119

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 321+00 TO STA. 334+00

SCALE: 1"= 50′

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	21B
CONST.	2015	HPP/STP-32(57)	21B

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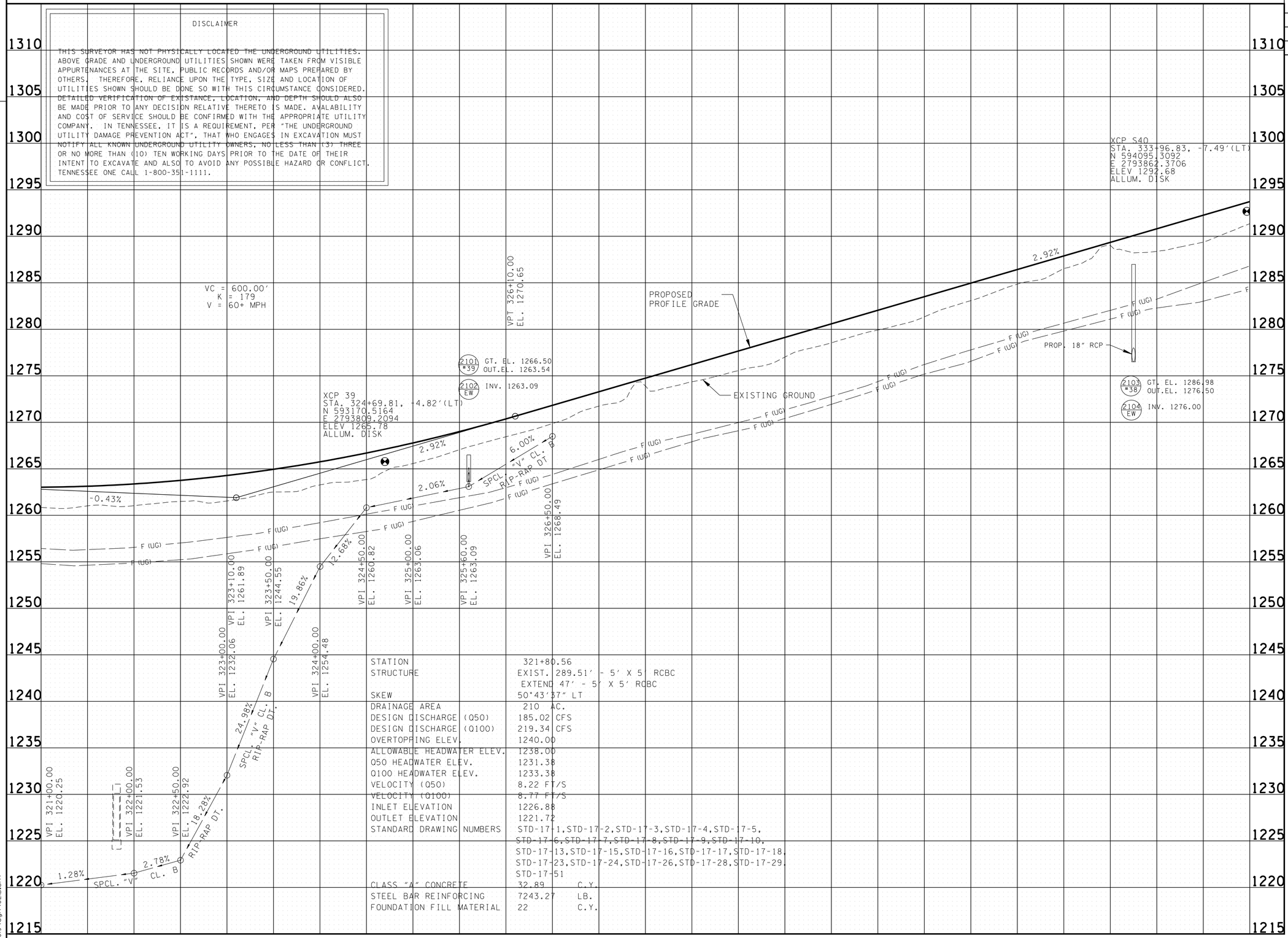

STATION		321+80.56
STRUCTURE		EXIST. 289.51' - 5' X 5' RCBC EXTEND 47' - 5' X 5' RCBC
SKEW		50°43'37" LT
DRAINAGE AREA		210 AC.
DESIGN DISCHARGE (Q50)		185.02 CFS
DESIGN DISCHARGE (Q100)		219.34 CFS
OVERTOPPING ELEV.		1240.00
ALLOWABLE HEADWATER ELEV.		1238.00
Q50 HEADWATER ELEV.		1231.38
Q100 HEADWATER ELEV.		1233.38
VELOCITY (Q50)		8.22 FT/S
VELOCITY (Q100)		8.77 FT/S
INLET ELEVATION		1226.88
OUTLET ELEVATION		1221.72
STANDARD DRAWING NUMBERS		STD-17-1,STD-17-2,STD-17-3,STD-17-4,STD-17-5, STD-17-6,STD-17-7,STD-17-8,STD-17-9,STD-17-10, STD-17-13,STD-17-15,STD-17-16,STD-17-17,STD-17-18, STD-17-23,STD-17-24,STD-17-26,STD-17-28,STD-17-29, STD-17-51
CLASS "A" CONCRETE	32.89	C.Y.
STEEL BAR REINFORCING	7243.27	LB.
FOUNDATION FILL MATERIAL	22	C.Y.

UNOFFICIAL SET

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SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 104719
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 321+00 TO STA. 334+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	22
CONST.	2015	HPP/STP-32(57)	22

REV 06-05-13: REVISED DRIVEWAY LENGHT TRACT 71 & 72

REV 01-15-14: ADDED WATER LINE WEST OF SR 32

END PROJ. NO. HPP/STP-32(57) R.O.W.
STA. 342+50.00
N 594947.1237
E 2793911.0325

335 340 345

POND POND PASTURE PASTURE HAY WOODS BRUSH BRUSH BRUSH

PRES. & PROP. R.O.W.

INV-1256.65 EW

EXISTING GUARDRAIL (TO BE REMOVED)

INV-1298.56 INV-1299.00

12" W 12" W 18" CMP (RETAIN) 12" W 12" W 12" W 8" W 8" W 8" W 8" W

TRAIL

18" CMP (RETAIN) INV-1311.58 INV-1311.28

SR 32 (US 321) 24' ASP. WITH 2@10' ASP. SH.

F (UG) F (UG) F (UG) N 2° 45' 59" E F (UG) S.R. 32 F (UG) F (UG) F (UG) F (UG) F (UG)

CP-S... 15-03...41

INV-1298.38 INV-1296.91 18" CMP (REMOVE)

42" CMP

INV-1251.91 EW

TOE OF FILL

TOP OF CUT

MATCH LINE STA. 334+00 SEE SHT. NO. 21

MATCH LINE STA. 347+00 SEE SHT. NO. 23

339+50.00 186.90'

S 3° 50' 7" W 163.13'

N 11° 25' 20" W 141.21'

342+50.00 155.33'

N 11° 25' 20" W 185.08'

344+29.44 109.92'

N 16° 58' 38" E 206.97'

346+30.08 160.78'

S 3° 50' 7" W 870.81'

PRES. & PROP. R.O.W.

N 87° 14' 1" W 10.00'

339+50.00 196.91'

N 3° 58' 49" E 162.77'

CONST. ESMT.

341+13.10 189.95'

10.41'

341+12.73 200.35'

N 11° 25' 20" W 141.58'

N 87° 14' 1" W 10.31'

342+50.00 165.65'

71 HANSEL L. ALMANY

72 LARRY MARLAN STRICKLER

N 85° 13' 58" W 169.48'

344+19.88 327.82'

341+06.82 369.73'

N 4° 51' 24" W 315.85'

N 3° 19' 45" E 753.17'

334+03.54 395.12'

N 0° 41' 54" E 703.73'

LAWN SERVICE RES. TRAILER GR. SERVICE 16' GR. 11' GR. TRAIL

S 87° 42' 43" E 867.76'

WOODS

SEALED BY

Brian H. Trotter REGISTERED ENGINEER STATE OF TENNESSEE DEPARTMENT OF AGRICULTURE DEPARTMENT OF COMMERCE AND INSURANCE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF L0001I0 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 334+00 TO STA. 347+00

SCALE: 1"= 50'

10/15/2014
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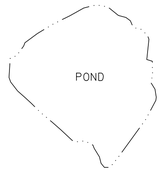
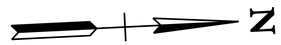
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

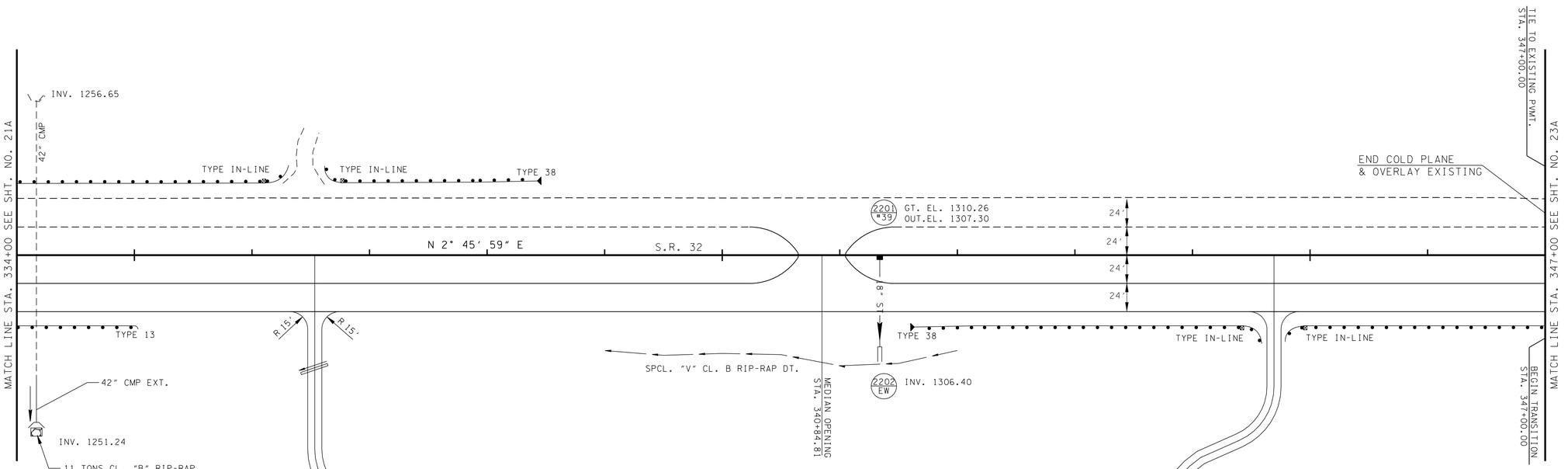
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	22A
const.	2015	hpp/stp-32(57)	22A

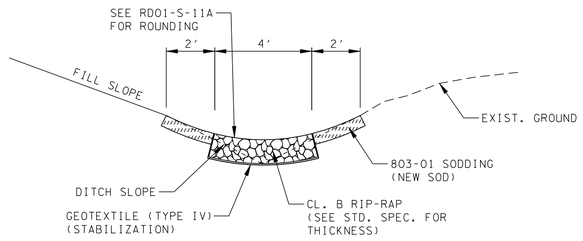
REV 06-05-13: REVISED DRIVEWAY LENGTH STA. 336+53.41 & STA. 344+69.38





335 340 345





SPCL. "V" CL. B RIP-RAP DT.
STA. 339+00.00 TO STA. 342+00.00

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 334+00 TO STA. 347+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	22B
CONST.	2015	HPP/STP-32(57)	22B

DISCLAIMER

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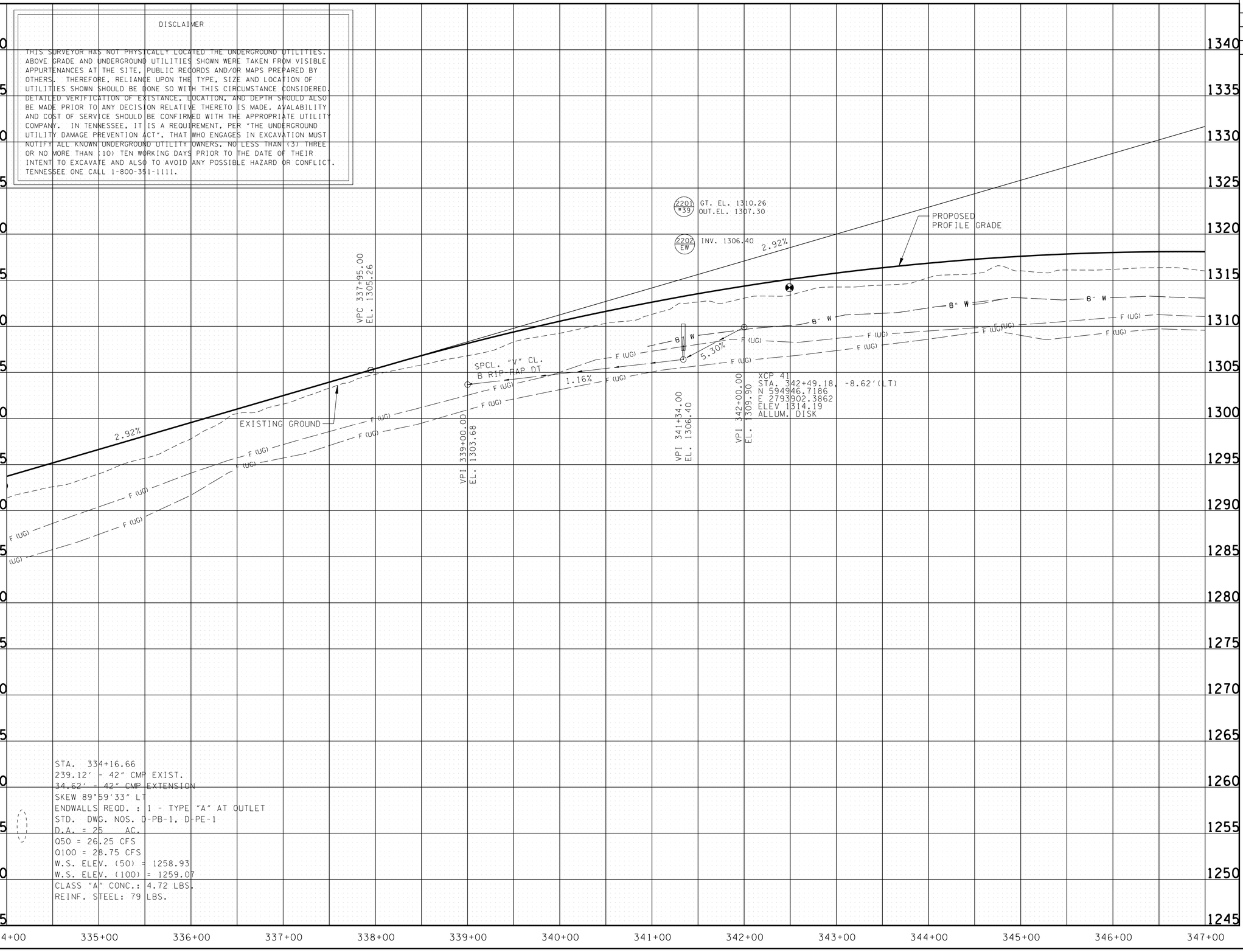

STA. 334+16.66
239.12' - 42" CMP EXIST.
34.62' - 42" CMP EXTENSION
SKEW 89°59'33" LT
ENDWALLS REQD. : 1 - TYPE "A" AT OUTLET
STD. DWG. NOS. D-PB-1, D-PE-1
D.A. = 25 AC.
Q50 = 26.25 CFS
Q100 = 28.75 CFS
W.S. ELEV. (50) = 1258.93
W.S. ELEV. (100) = 1259.07
CLASS "A" CONC.: 4.72 LBS.
REINF. STEEL: 79 LBS.

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
No. 109115
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 334+00 TO STA. 347+00

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

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	23
CONST.	2015	HPP/STP-32(57)	23

REV 06-05-13: RELOCATED DRIVE ON LT. NEAR STA. 351+50

AREA TO BE SCARIFIED, OBLITERATED, RESHAPED, AND SEEDED.

NOTE:
CONTRACTOR TO USE ALL MEANS NECESSARY TO PREVENT ANY IMPACTS TO PND-3

S.R. 32
PI 357+88.06
N 596,483.3870
E 2,793,985.2685
Δs 35° 01' 18" (RT)
θs 2° 51' 00"
Δc 29° 19' 18" (RT)
Dc 2° 00' 00"
Rc 2,864.79
Lc 1,466.08
Ts 1,046.72
Ls 285.00
SE 0.051 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 285'

MATCH LINE STA. 347+00 SEE SHT. NO. 22

MATCH LINE STA. 360+00 SEE SHT. NO. 24

CITY OF NEWPORT

LARRY MARLAN STRICKLER (72)

RONALD GREEN AND DEBBIE GREEN (74)

CHARLOTTE MIMS (73)

CARL L. CROWE (75)

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

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

PRESENT LAYOUT

STA. 347+00 TO STA. 360+00

SCALE: 1"= 50'

10/15/2014
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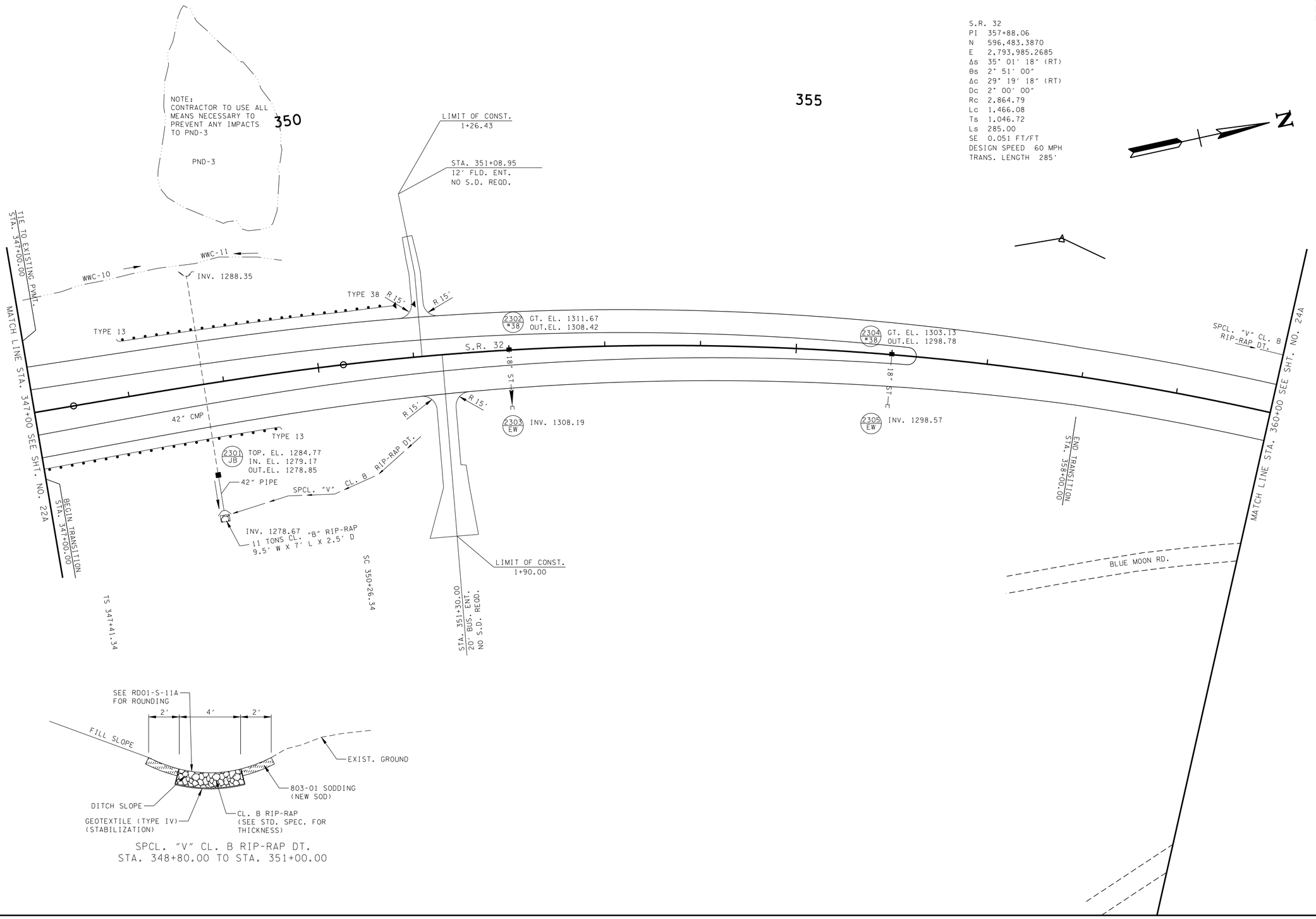
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	23A
CONST.	2015	HPP/STP-32(57)	23A

REV 06-05-13: REMOVED CONNECTOR RD. AT STA. 351+35, ADDED FLD. ENT. AT STA. 351+08.95

S.R. 32
PI 357+88.06
N 596,483.3870
E 2,793,985.2685
Δs 35° 01′ 18″ (RT)
θs 2° 51′ 00″
Δc 29° 19′ 18″ (RT)
Dc 2° 00′ 00″
Rc 2,864.79
Lc 1,466.08
Ts 1,046.72
Ls 285.00
SE 0.051 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 285′



SPCL. "V" CL. B RIP-RAP DT.
STA. 348+80.00 TO STA. 351+00.00

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 347+00 TO STA. 360+00

SCALE: 1"= 50′

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	23B
CONST.	2015	HPP/STP-32(57)	23B

DISCLAIMER

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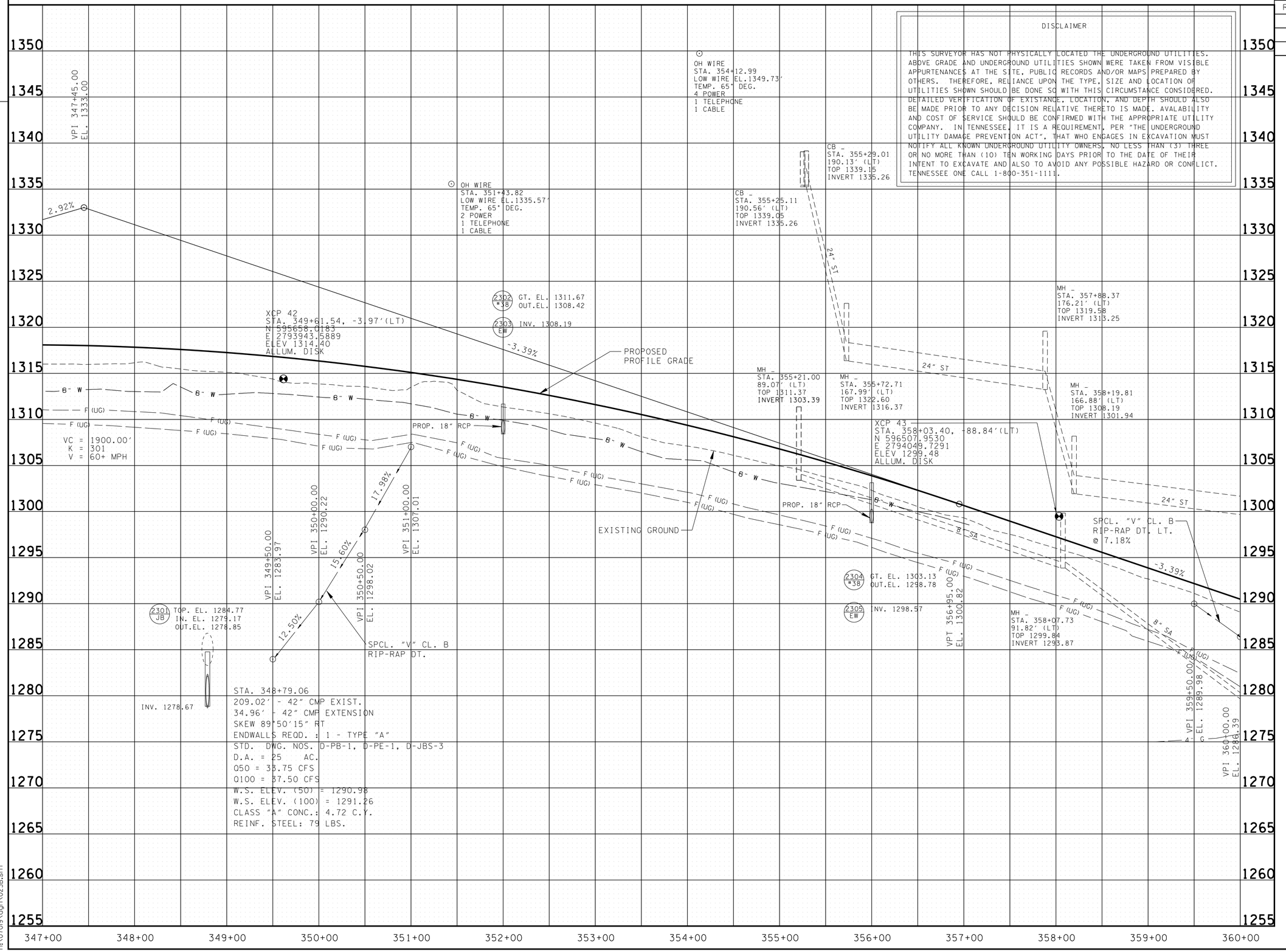

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPT. OF AGRICULTURE
COMMERCE
NO. 104119
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 347+00 TO STA. 360+00

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

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	24
CONST.	2015	HPP/STP-32(57)	24

REV 01-15-14: ADDED GAS LINE WEST OF SR 32

EPLEY ROAD STA. 80+00.00=
COSBY CUTOFF NO. 2 STA. 80+00.00 =
S.R. 32 STA. 361+66.33
N 596805.1628
E 2794284.6353

COSBY CUTOFF NO. 2
PI 81+96.77
N 596,752.5676
E 2,794,474.2478
Δ 38° 35' 37" (RT)
D 20° 00' 00"
R 286.48
L 192.97
T 100.31
SE 0.079 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 180'

COSBY CUTOFF NO. 2 STA. 83+67.00
N 596608.4914
E 2794578.5540

CHARLOTTE MIMS

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 108113
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

AREA TO BE SCARIFIED, OBLITERATED, RESHAPED, AND SEEDED.

PERMANENT WETLAND IMPACT

TEMPORARY WETLAND IMPACT

WETLAND IMPACTS

WTL-2
AREA OF WETLAND = 0.032 AC
AREA OF PERMANENT WETLAND IMPACT = 0.032 AC
AREA OF TEMPORARY WETLAND IMPACT = 0

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 360+00 TO END PROJ.

SCALE: 1"= 50'

10/15/2014
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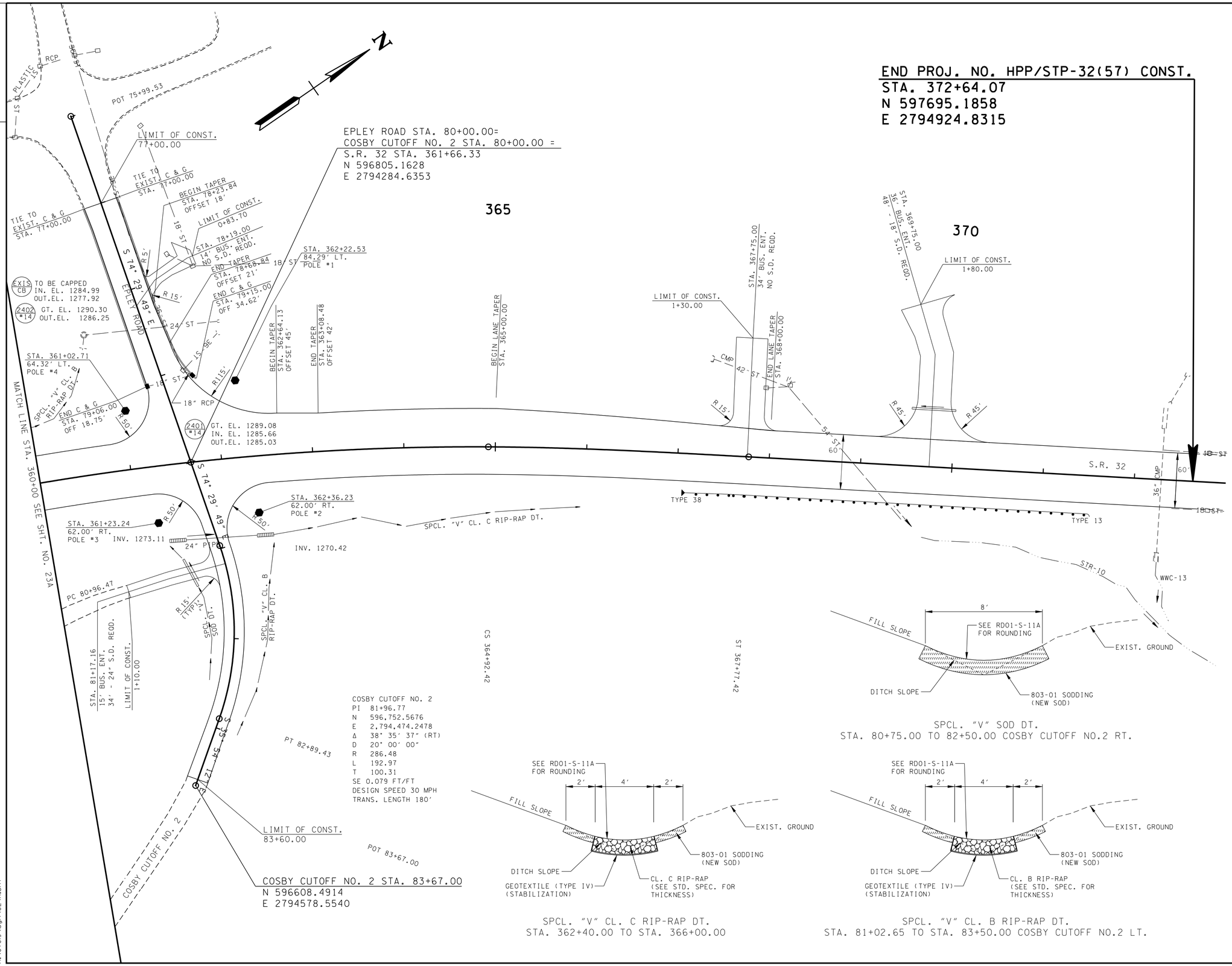
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	24A
CONST.	2015	HPP/STP-32(57)	24A



SPCL. "V" SOD DT.
STA. 80+75.00 TO 82+50.00 COSBY CUTOFF NO.2 RT.

SPCL. "V" CL. C RIP-RAP DT.
STA. 362+40.00 TO STA. 366+00.00

SPCL. "V" CL. B RIP-RAP DT.
STA. 81+02.65 TO STA. 83+50.00 COSBY CUTOFF NO.2 LT.

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter REGISTERED ENGINEER NO. 109135 STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 360+00 TO END PROJ.

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	24B
CONST.	2015	HPP/STP-32(57)	24B

MH –
STA. 360+67.13
199.19' (LT)
TOP 1305.82
INVERT 1284.93

S.R. 32 361+66.33 =
COSBY CUTOFF NO.2 80+00.00
ELEV. 1284.85

OH WIRE
STA. 361+31.12
LOW WIRE EL.1307.27'
TEMP. 65° DEG.
1 SIGNAL GUY WIRE

SPCL. "V" CL. B
RIP-RAP DT. LT.
@ 8.94%

MH –
STA. 361+59.77
156.01' (LT)
TOP 1291.74
INVERT 1280.60

VPC 364+00.00
EL. 1276.94

VPI 364+00.00
EL. 1267.47

CB –
STA. 361+04.26
93.27' (LT)
TOP 1288.35
INVERT 1283.91

CB –
STA. 361+68.73
100.86' (LT)
TOP 1288.39
INVERT 1277.91

MH –
STA. 362+11.38
219.29' (LT)
TOP 1289.83
INVERT 1281.75

-3.39%

18" ST

24" ST

4" G

PROPOSED
PROFILE GRADE

END PROJ. NO. HPP/STP-32(57) CONST.
STA. 372+64.07

OH WIRE
STA. 372+55.61
LOW WIRE EL.1290.37'
TEMP. 65° DEG.
4 POWER
1 TELEPHONE

VC = 1000.00'
K = 250
V = 60+ MPH

VPI 360+00.00
EL. 1286.39

VPI 360+61.50
EL. 1280.89

F (UG)

MH –
STA. 362+40.00
EL. 1270.45

MH –
STA. 363+70.13
199.69' (LT)
TOP 1283.59
INVERT 1274.75

VPI 366+00.00
EL. 1266.25

XCP
STA. 367+46.74, -74.75'(LT)
N 597332.1150
E 2794548.7468
ELEV 1265.59
ALLUM. DISK

CB –
STA. 369+48.99
62.58' (LT)
TOP 1263.51
INVERT 1258.42

CB –
STA. 372+80.59
31.64' (LT)
TOP 1261.86
INVERT 1255.74

SPCL. "V" CL. C RIP-RAP
DT. @ -1.86%

EXISTING GROUND

SPCL. "V" CL. C RIP-RAP
DT. @ -0.61%

-3.39%

MH –
STA. 360+70.42
152.24' (LT)
TOP 1284.23
INVERT 1271.64

CB –
STA. 367+92.46
76.44' (LT)
TOP 1263.76
INVERT 1260.06

CB –
STA. 368+51.99
155.27' (LT)
TOP 1262.15
INVERT 1256.07

CB –
STA. 369+53.19
137.35' (LT)
TOP 1268.00
INVERT 1263.43

MH –
STA. 369+99.22
129.75' (LT)
TOP 1267.22
INVERT 1263.20

MH –
STA. 370+19.95
108.82' (LT)
TOP 1267.62
INVERT 1259.92

MH –
STA. 372+33.50
124.66' (LT)
TOP 1268.35
INVERT 1260.71

MH –
STA. 362+12.70
121.01' (LT)
TOP 1280.49
INVERT 1263.96

MH –
STA. 364+01.93
183.98' (LT)
TOP 1270.61
INVERT 1263.55

MH –
STA. 364+81.76
106.50' (LT)
TOP 1266.11
INVERT 1261.07

MH –
STA. 366+59.33
29.48' (RT)
TOP 1265.34
INVERT 1252.80

0.61%

MH –
STA. 366+49.99
96.08' (LT)
TOP 1260.53
INVERT 1255.54

STA. 366+57.47
ELEV 1253.4305
8" SA SEWER LINE XING

CB –
STA. 369+88.89
147.18' (LT)
TOP 1267.78
INVERT 1255.67

CB –
STA. 370+03.09
64.87' (LT)
TOP 1262.68
INVERT 1258.72

CB –
STA. 372+81.66
31.00' (RT)
TOP 1261.86
INVERT 1253.09

MH –
STA. 372+94.66
69.26' (LT)
TOP 1265.86
INVERT 1254.14

STA. 372+94.53
ELEV 1248.7969
8" SA SEWER LINE XING

CB –
STA. 368+18.46
80.57' (LT)
TOP 1259.20
INVERT 1252.51

VPI 369+00.00
EL. 1260.00

MH –
STA. 369+01.85
67.98' (RT)
TOP 1255.52
INVERT 1248.02

STA. 368+91.41
188.82' - 54" RCP EXIST.
SKEW 46°30'12" RT
D.A. = 78 AC.
Q50 = 82.40 CFS
Q100 = 93.93 CFS
W.S. ELEV. (50) = 1255.95
W.S. ELEV. (100) = 1256.25
(RETAIN)

MH –
STA. 371+65.42
92.18' (RT)
TOP 1247.08
INVERT 1237.00

MH –
STA. 372+94.74
174.45' (RT)
TOP 1242.75
INVERT 1235.41

DISCLAIMER

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360+00 361+00 362+00 363+00 364+00 365+00 366+00 367+00 368+00 369+00 370+00 371+00 372+00 373+00

1320 1315 1310 1305 1300 1295 1290 1285 1280 1275 1270 1265 1260 1255 1250 1245 1240 1235 1230 1225

10/5/2014
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UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104119
STATE OF TENNESSEE

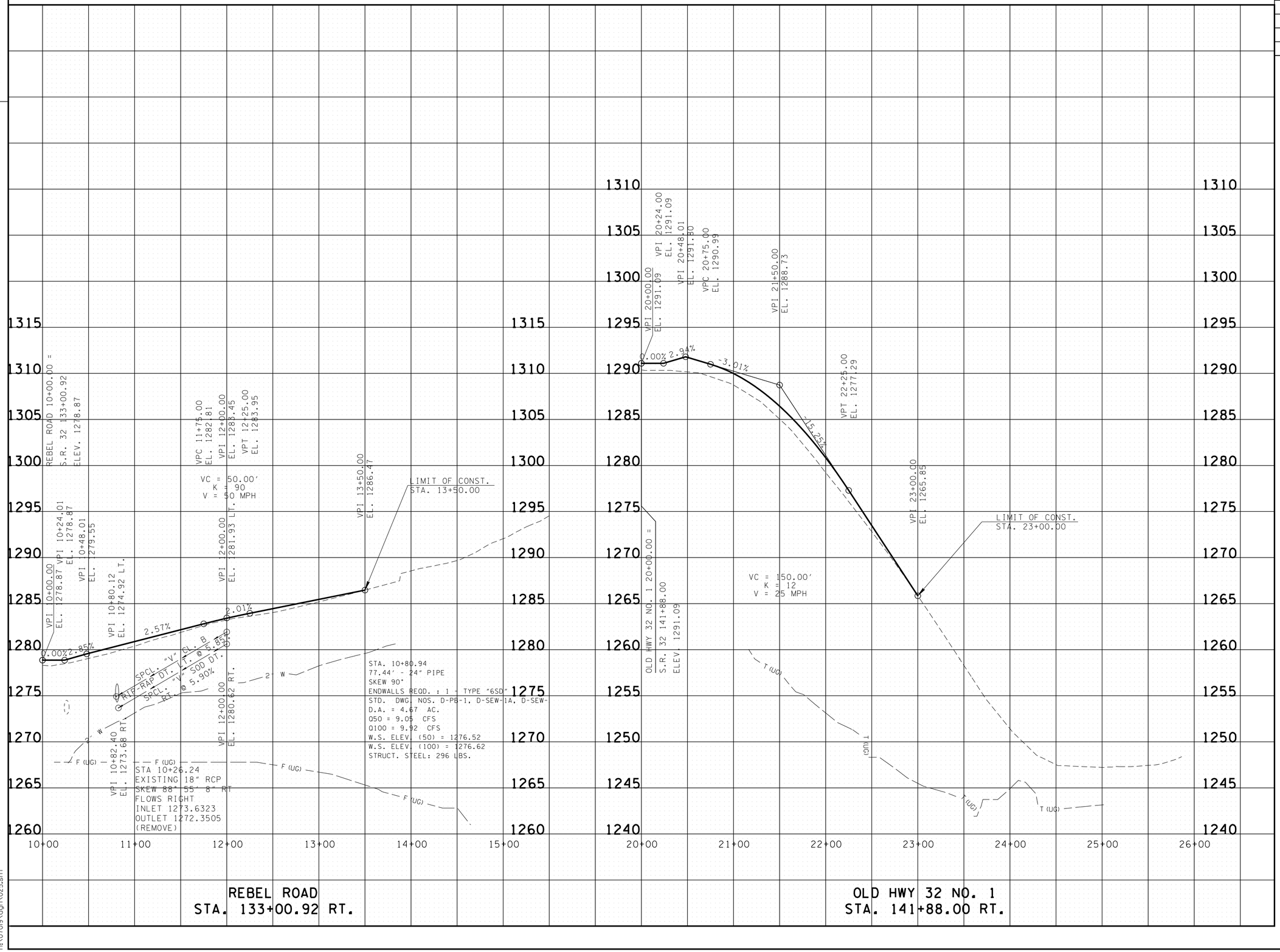
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 360+00 TO STA. 373+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	25
CONST.	2015	HPP/STP-32(57)	25



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UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
No. 102119
STATE OF TENNESSEE

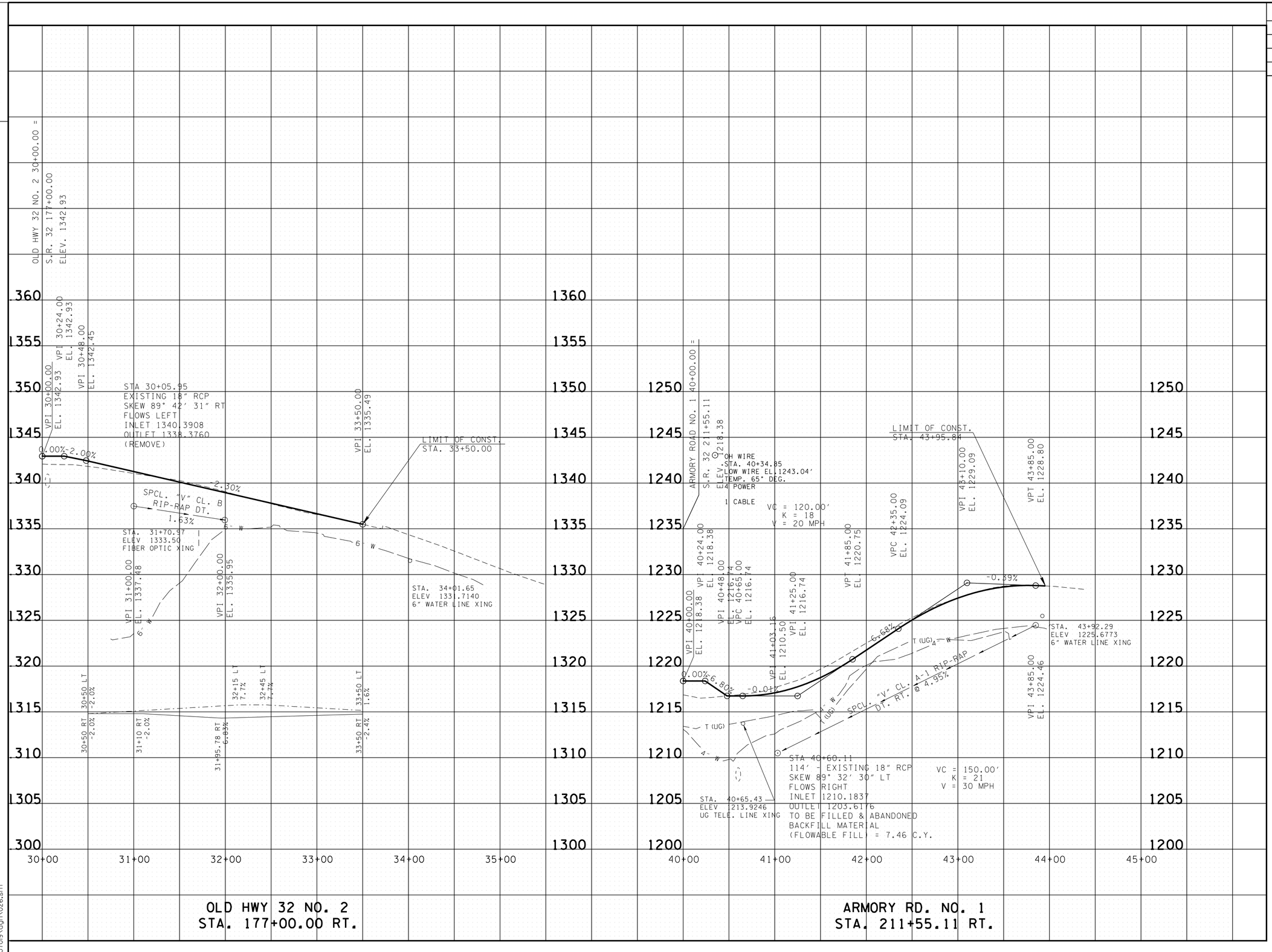
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

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

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	26
CONST.	2015	HPP/STP-32(57)	26



OLD HWY 32 NO. 2
STA. 177+00.00 RT.

ARMORY RD. NO. 1
STA. 211+55.11 RT.

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104215

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

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

10/15/2014
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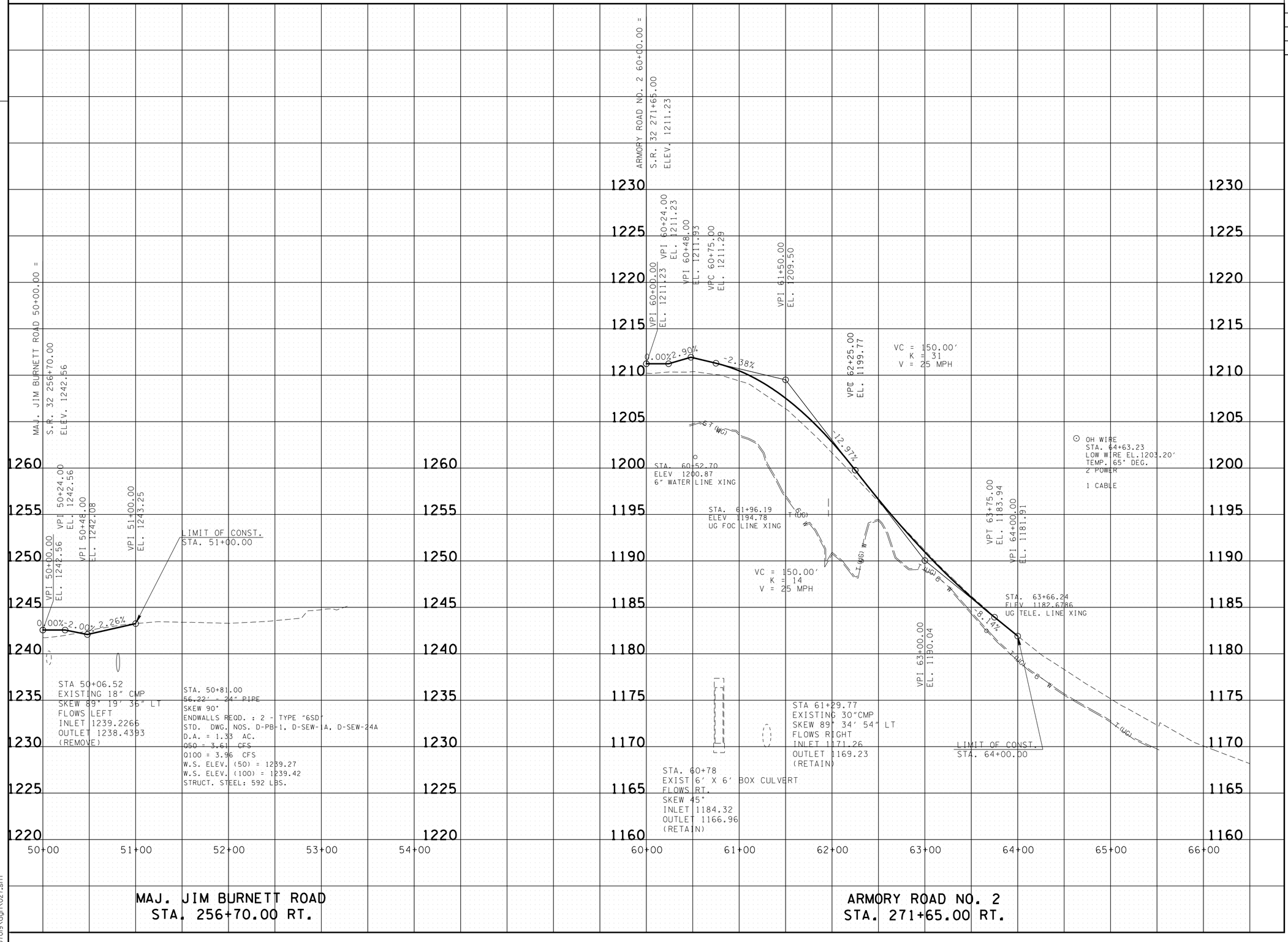
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	27
CONST.	2015	HPP/STP-32(57)	27



MAJ. JIM BURNETT ROAD
STA. 256+70.00 RT.

ARMORY ROAD NO. 2
STA. 271+65.00 RT.

10/15/2014
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UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104019
STATE OF TENNESSEE

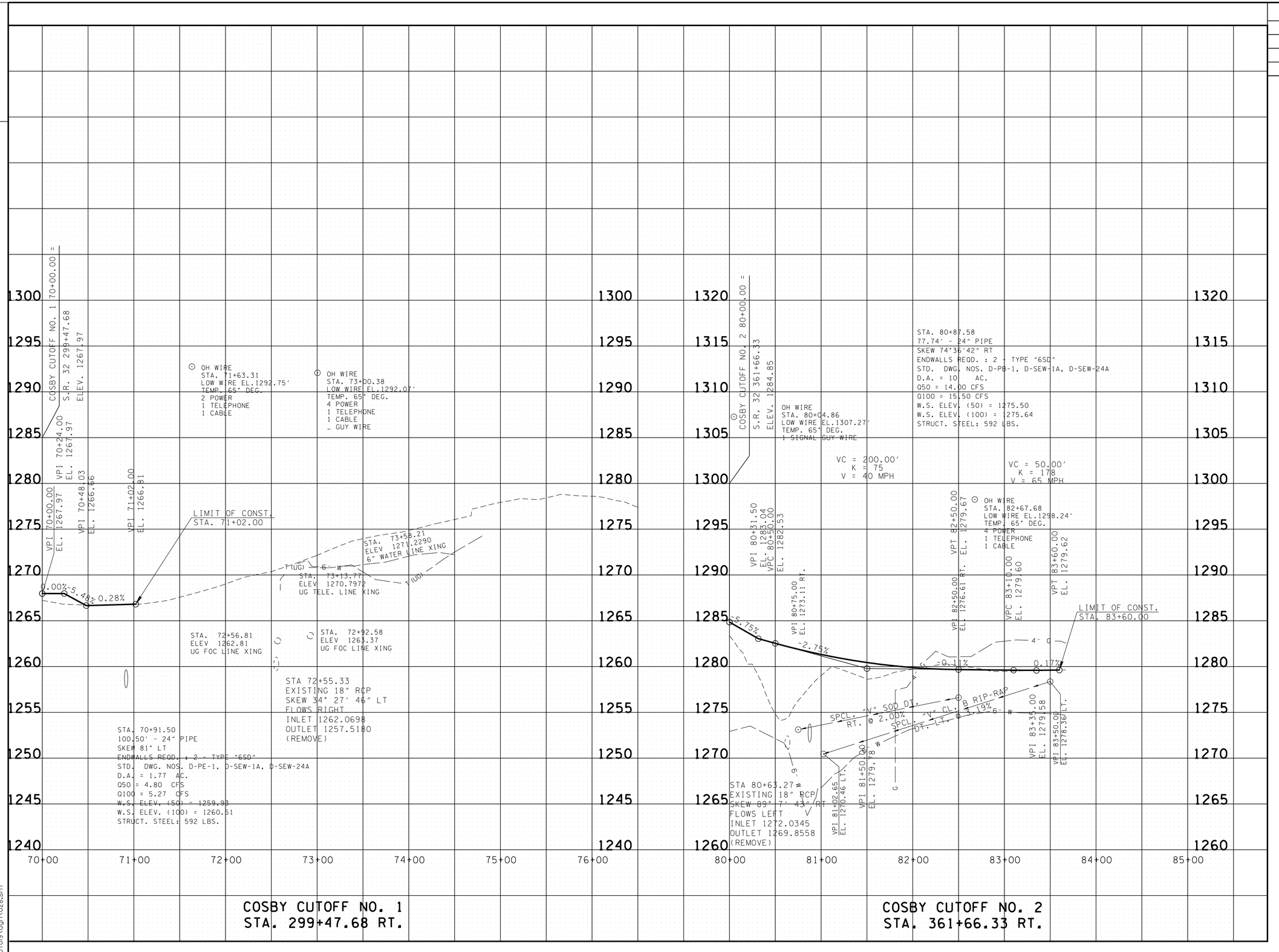
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

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

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	28
CONST.	2015	HPP/STP-32(57)	28



COSBY CUTOFF NO. 1
STA. 299+47.68 RT.

COSBY CUTOFF NO. 2
STA. 361+66.33 RT.

10/15/2014
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REGISTERED ENGINEER
STATE OF TENNESSEE

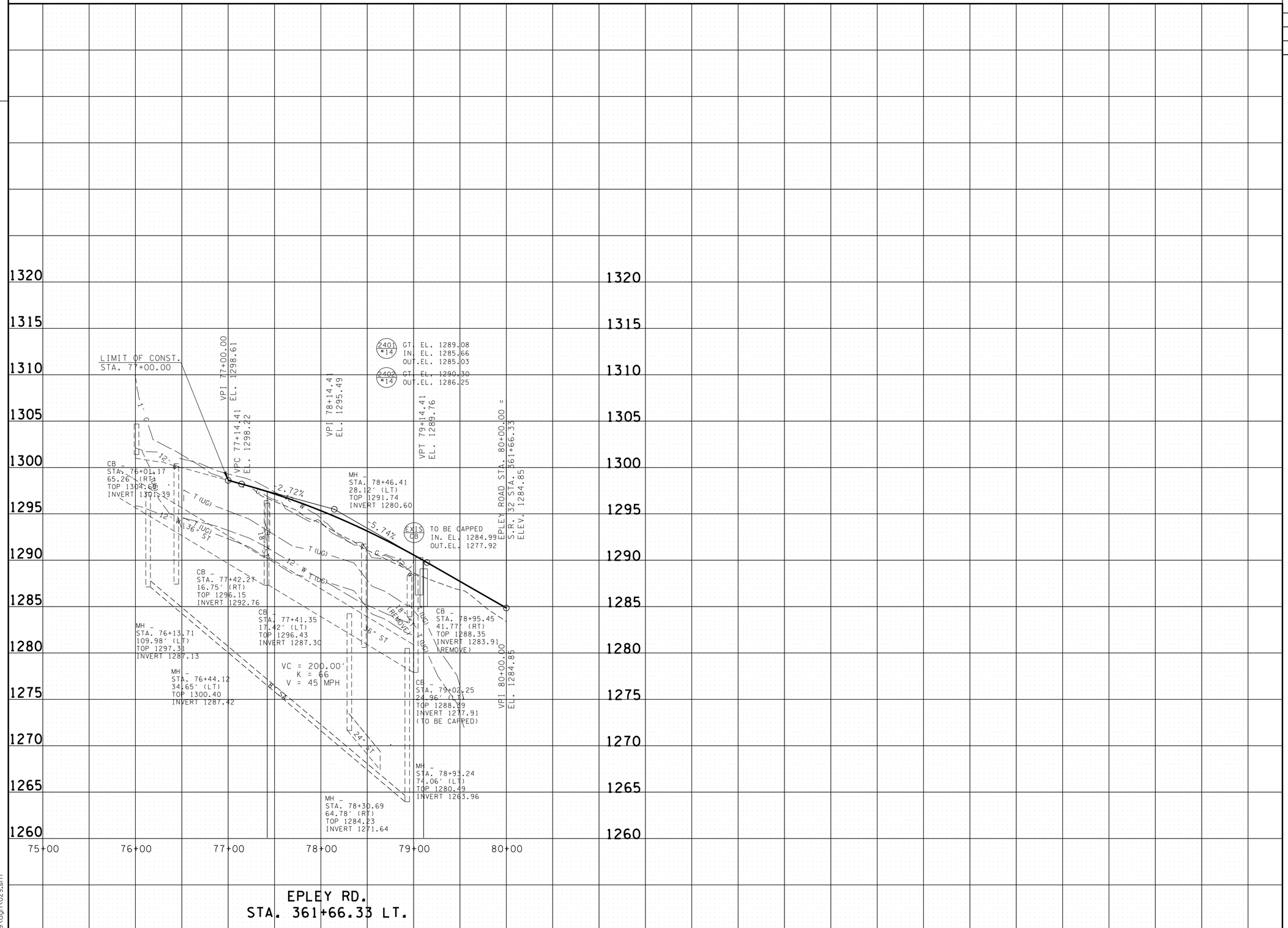
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

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

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	29
CONST.	2015	HPP/STP-32(57)	29



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SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

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

10/15/2014
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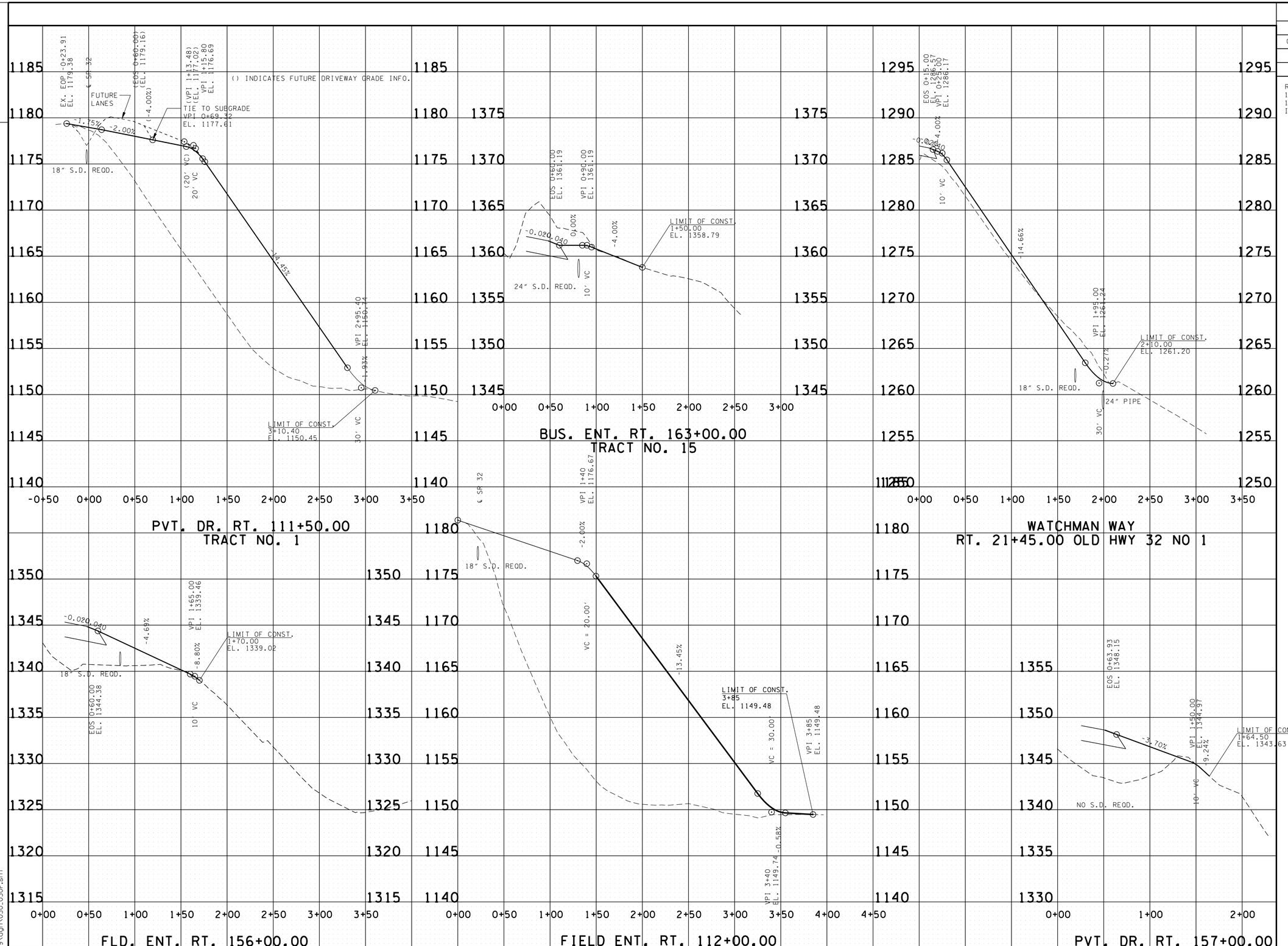
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	30
CONST.	2015	HPP/STP-32(57)	30

REV 03-10-14: REMOVED FIELD ENT. AT STA. 111+50 (TRACT 2); ADDED DRIVE AT STA. 112+00 (TRACT 2); REMOVED INTERSECTION INFO. FROM 111+50 (TRACT 1)



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF PRIVATE DRIVES

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

10/15/2014
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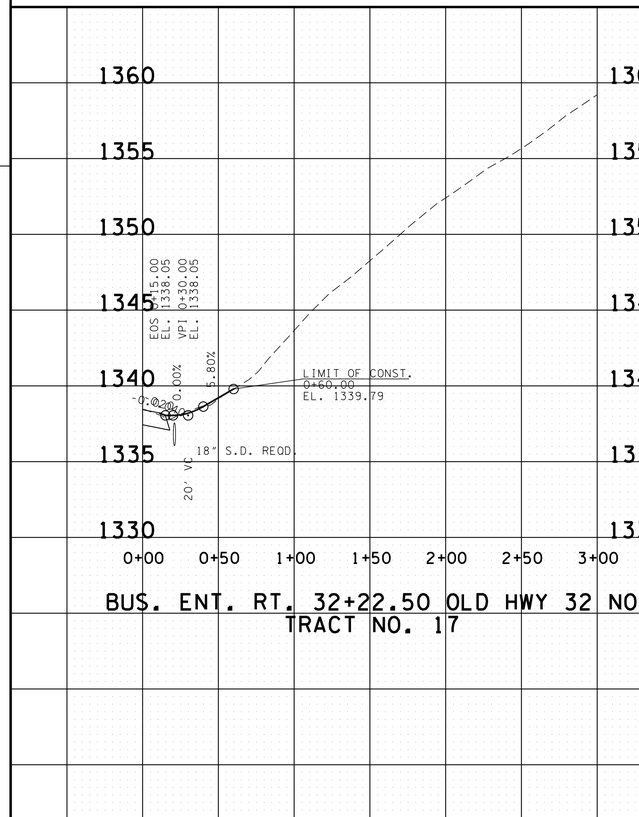
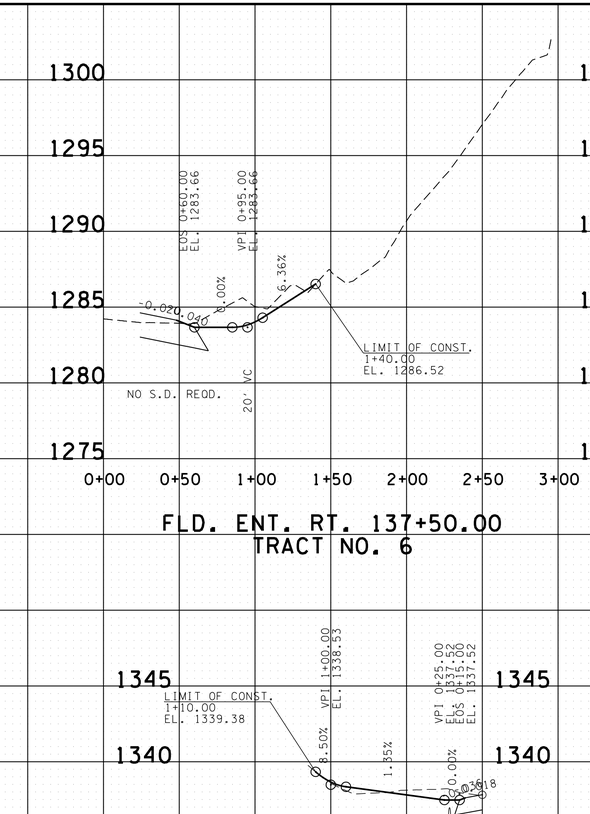
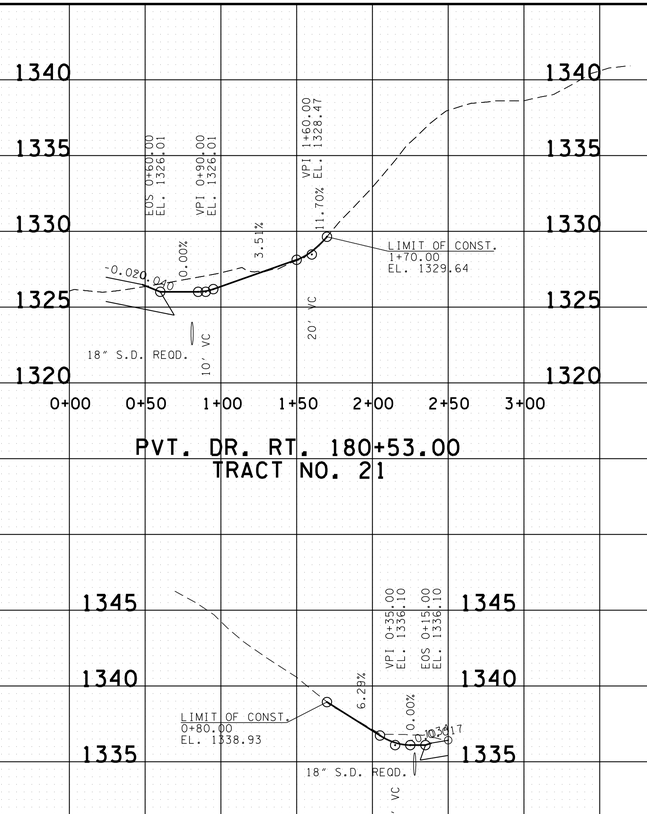
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



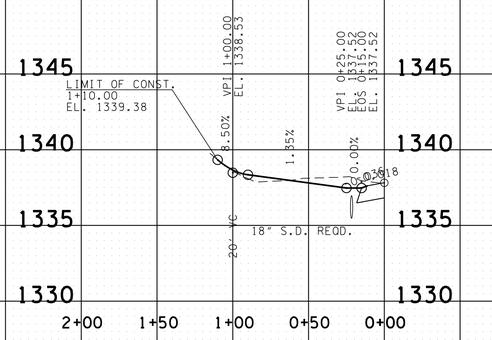
BUS. ENT. RT. 32+22.50 OLD HWY 32 NO 2
TRACT NO. 17



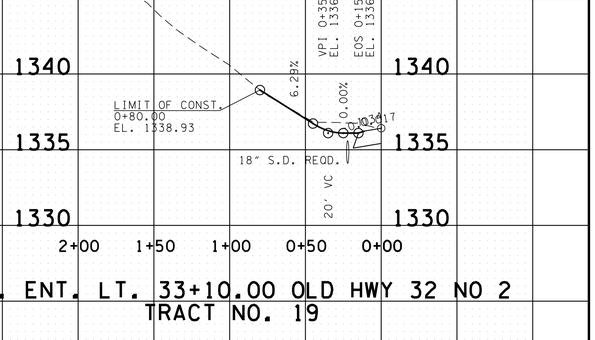
FLD. ENT. RT. 137+50.00
TRACT NO. 6



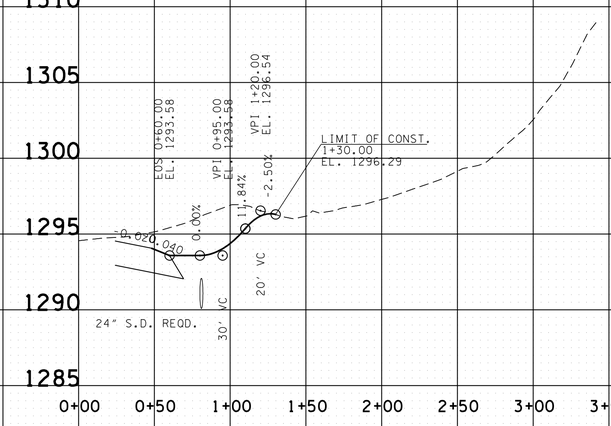
PVT. DR. RT. 180+53.00
TRACT NO. 21



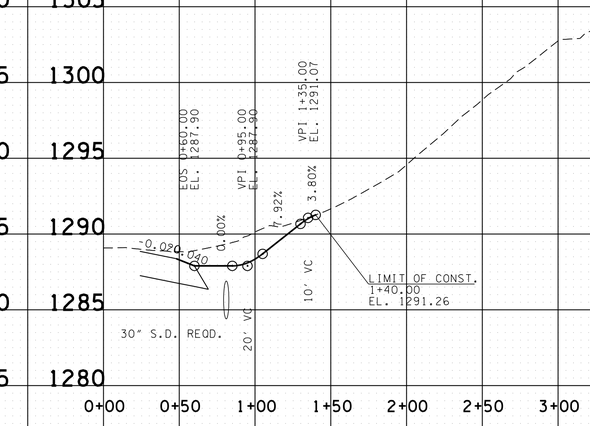
PVT. DR. LT. 32+47.00 OLD HWY 32 NO 2
TRACT NO. 20



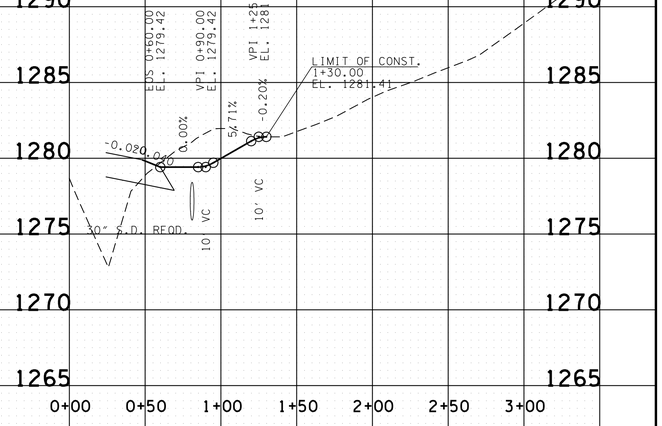
BUS. ENT. LT. 33+10.00 OLD HWY 32 NO 2
TRACT NO. 19



PVT. DR. RT. 187+00.00
TRACT NO. 23



PVT. DR. RT. 188+25.00
TRACT NO. 24



PVT. DR. RT. 190+20.00
TRACT NO. 26

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	30A
CONST.	2015	HPP/STP-32(57)	30A

REV 06-05-13: REVISED GRADE FOR DRIVE AT STA. 187+00

UNOFFICIAL SET

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SEALED BY

Brian H. Trotter
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No. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF PRIVATE DRIVES

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

10/15/2014
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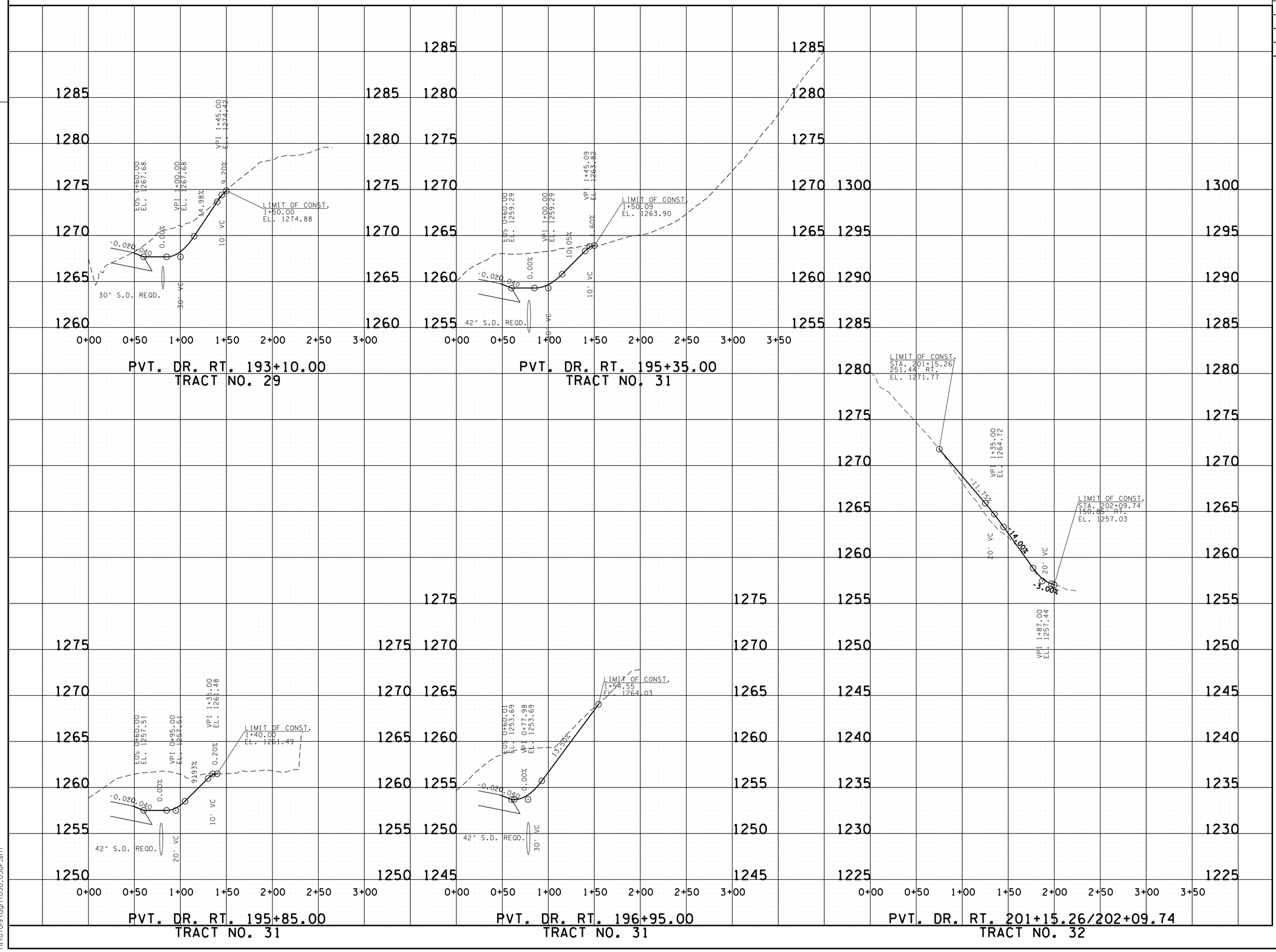
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	30B
CONST.	2015	HPP/STP-32(57)	30B

REV 06-05-13: REVISED GRADE FOR DRIVE AT STA. 196+95; REMOVED DRIVE STA. 201+25; ADDED PROFILE FOR DRIVE STA. 201+15.26/202+09.74

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SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF PRIVATE DRIVES

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

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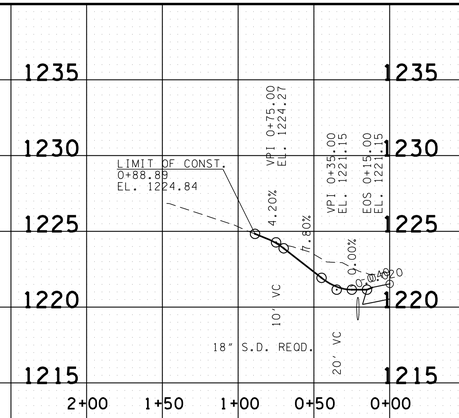
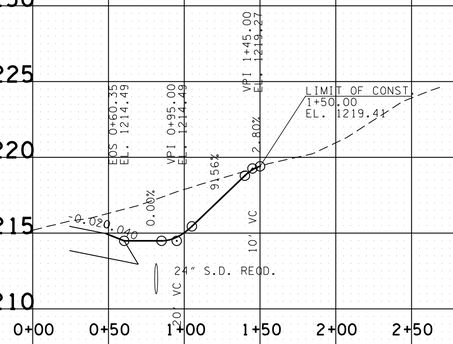
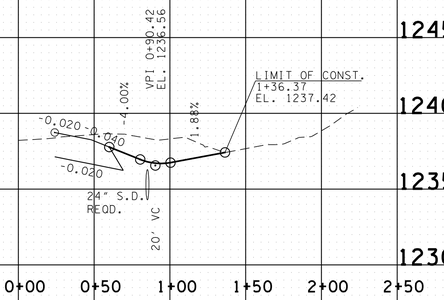
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



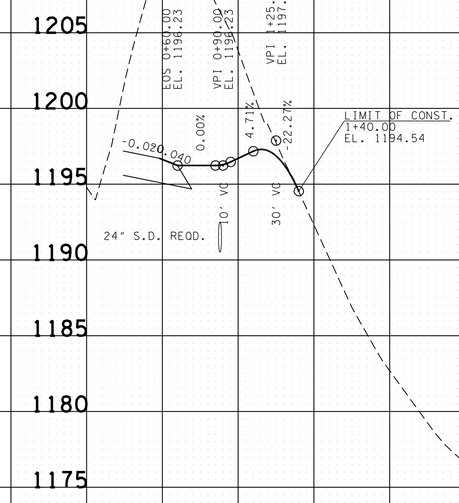
BUS. ENT. LT. 41+96.76 ARMORY RD NO 1
TRACT NO. 39



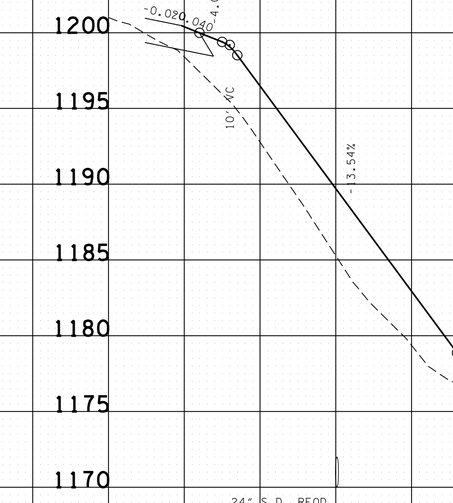
PVT. DR. RT. 238+18.00
TRACT NO. 46



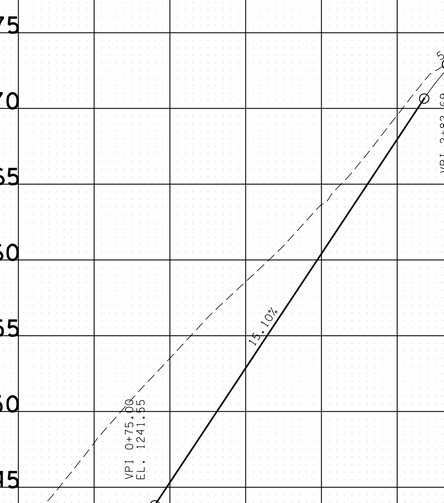
FLD. ENT. RT. 259+12.58
TRACT NO. 52



FLD. ENT. RT. 226+60.00
TRACT NO. 43



PVT. DR. RT. 233+50.00
TRACT NO. 44



FLD. ENT. RT. 248+65.00
TRACT NO. 50

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	30C
CONST.	2015	HPP/STP-32(57)	30C

REV 06-05-13: REVISED GRADE FOR DRIVES AT STA. 226+60 & 248+65.00

UNOFFICIAL SET

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SEALED BY

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REGISTERED ENGINEER
STATE OF AGRICULTURE
COMMISSION NO. 106319
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF PRIVATE DRIVES

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

10/15/2014
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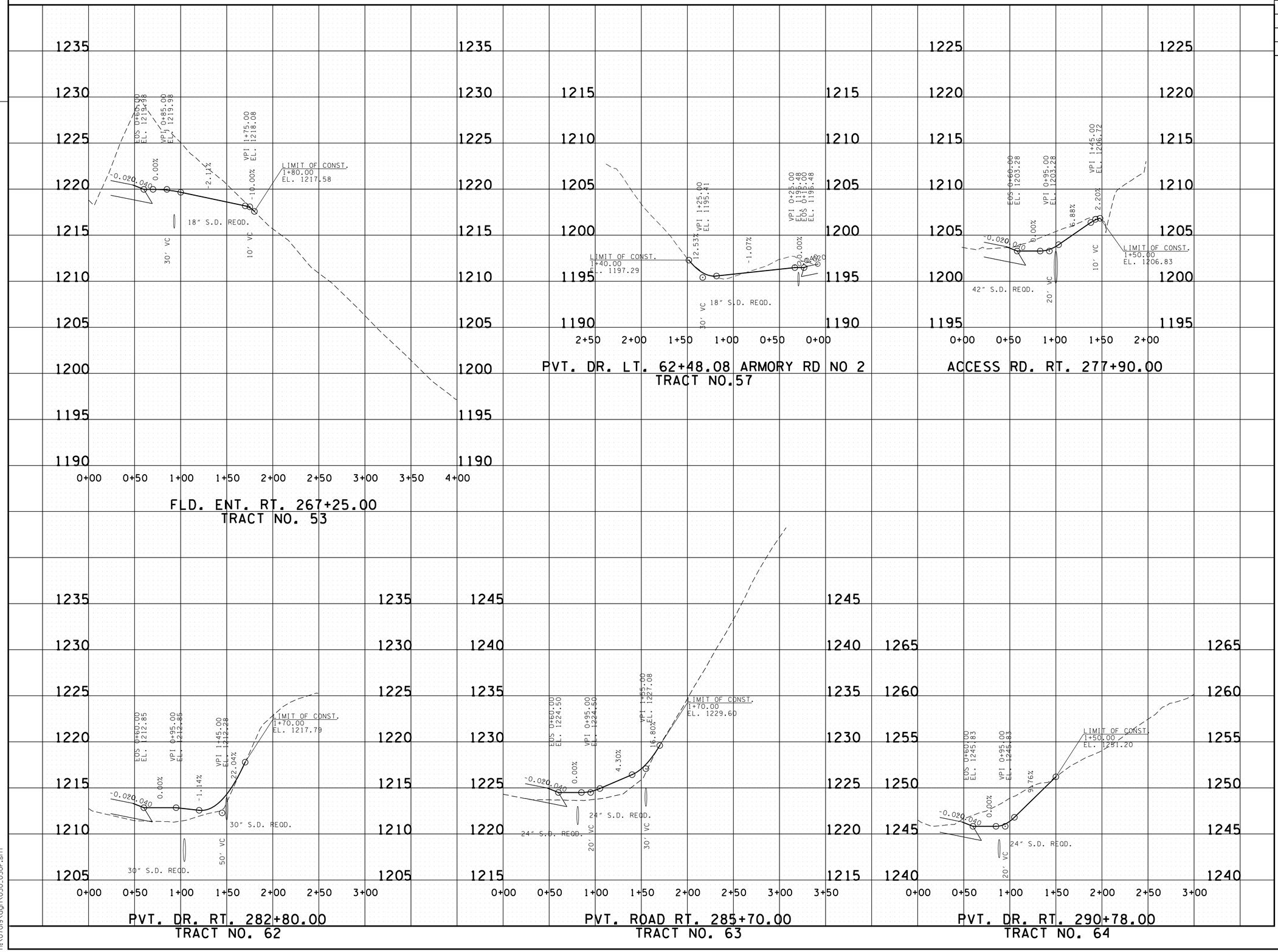
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	30D
CONST.	2015	HPP/STP-32(57)	30D



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SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 109119
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF PRIVATE DRIVES

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

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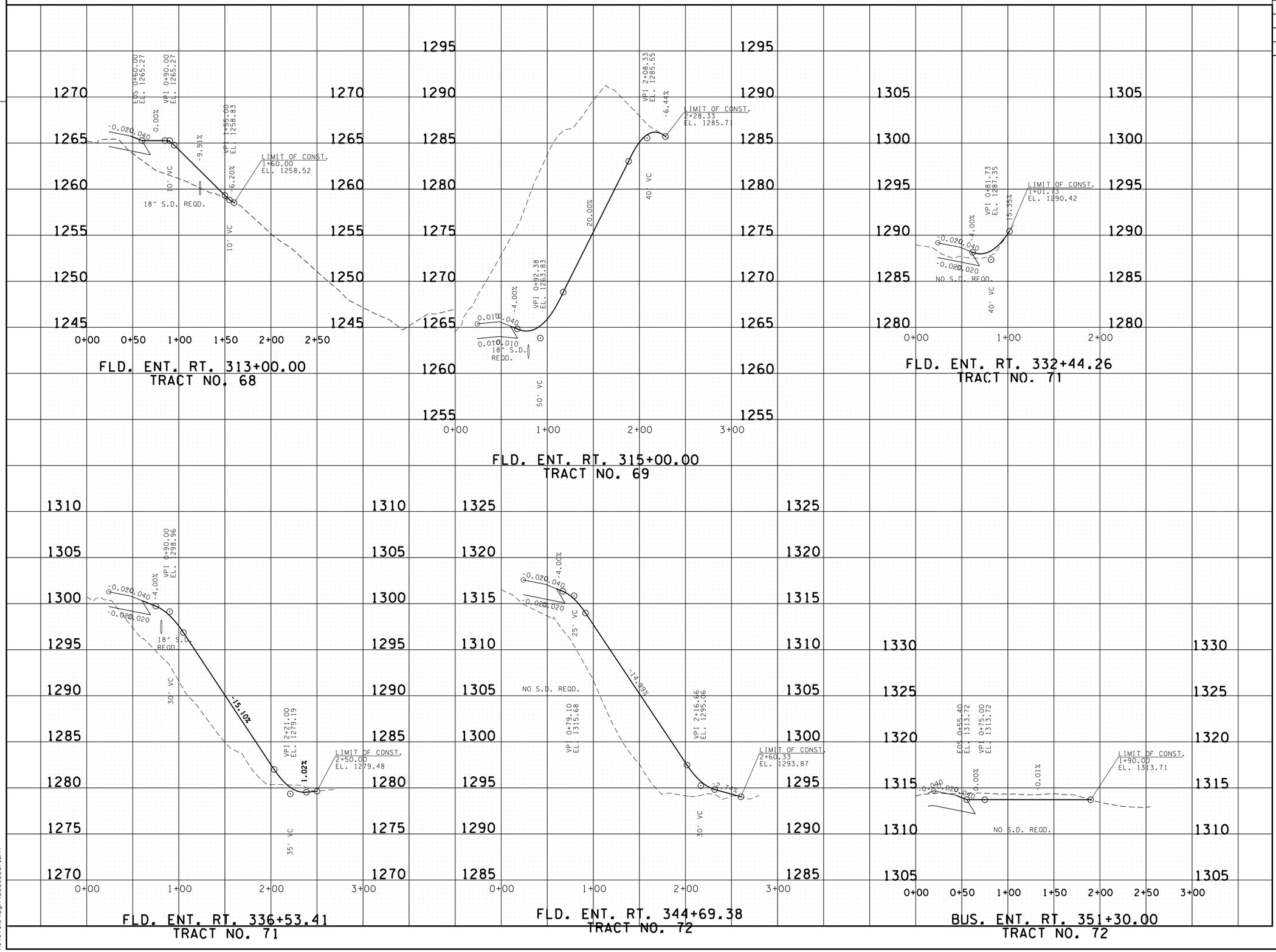
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	30E
CONST.	2015	HPP/STP-32(57)	30E

REV 06-05-13: REVISED GRADE FOR DRIVES AT STA. 336+53.41 & STA. 344+69.38

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Brian H. Trotter
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DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104215
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF PRIVATE DRIVES

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

10/15/2014
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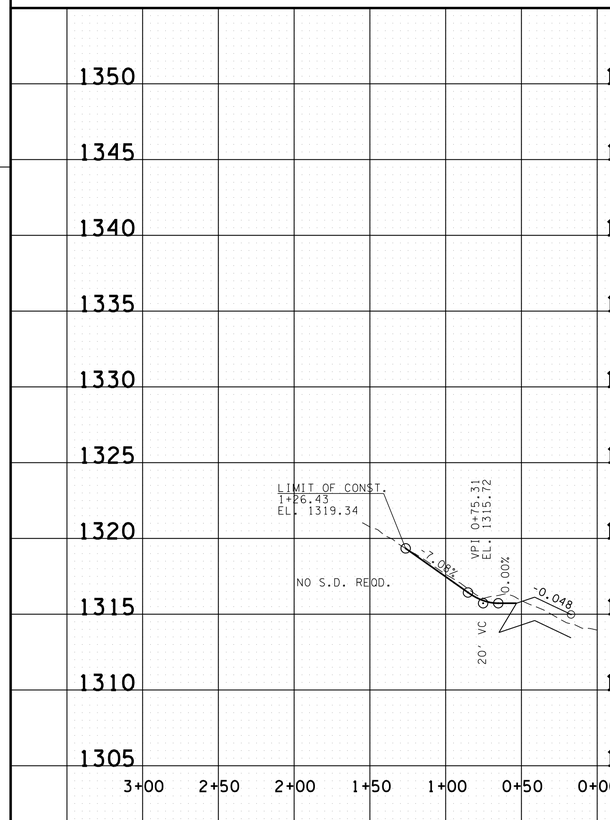
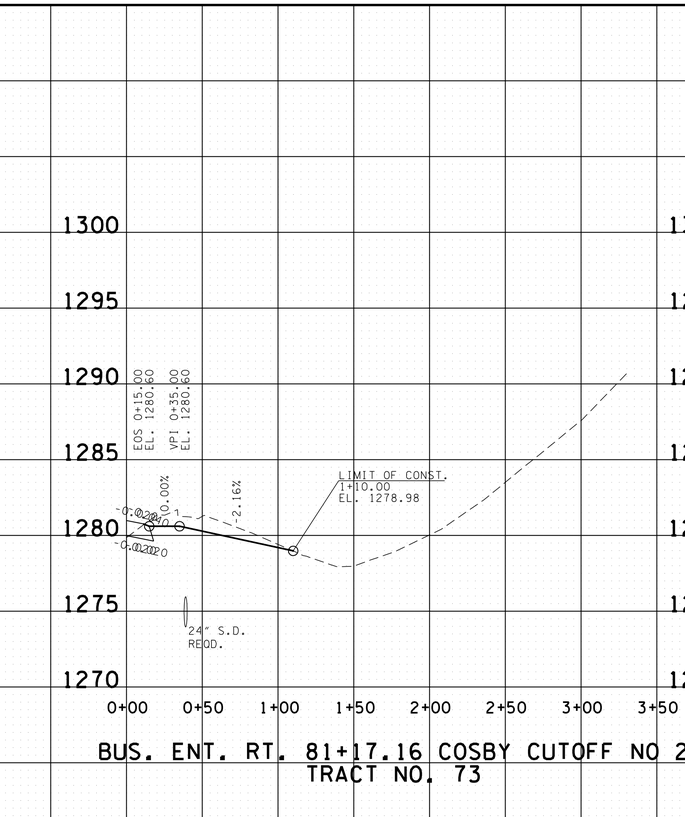
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	30F
CONST.	2015	HPP/STP-32(57)	30F

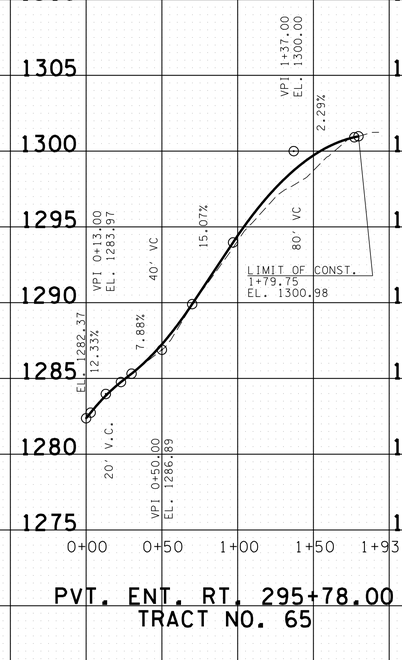
REV 06-05-13: REMOVED CONNECTOR RD. AT STA. 351+35 LT., ADDED FLD. ENT. AT STA. 351+08.95



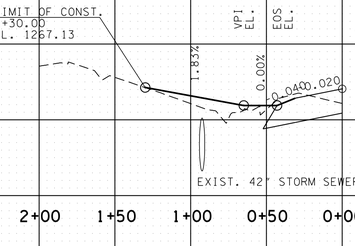
FLD. ENT. LT. 351+08.95



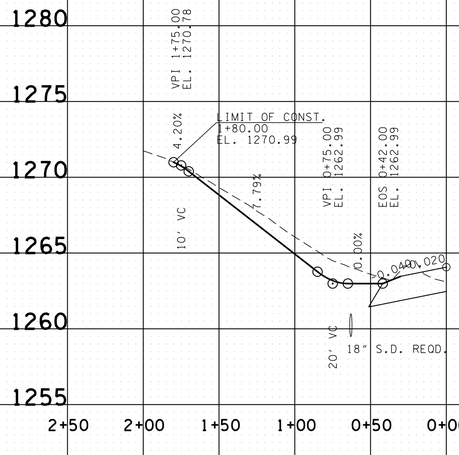
BUS. ENT. RT. 81+17.16 COSBY CUTOFF NO 2
TRACT NO. 73



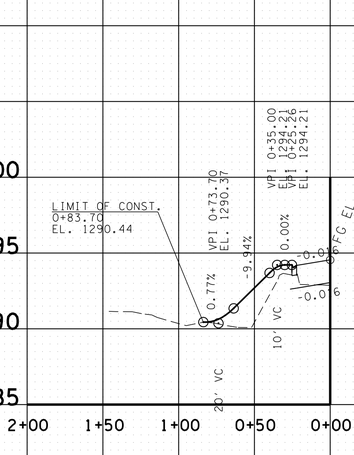
PVT. ENT. RT. 295+78.00
TRACT NO. 65



BUS. ENT. LT. 367+75.00



BUS. ENT. LT. 369+75.00



BUS. ENT. LT. 78+19.00
EPLEY ROAD

UNOFFICIAL SET
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SEALED BY

Brian H. Trotter
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AGRICULTURE
COMMERCE AND INDUSTRY
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF PRIVATE DRIVES

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

10/15/2014
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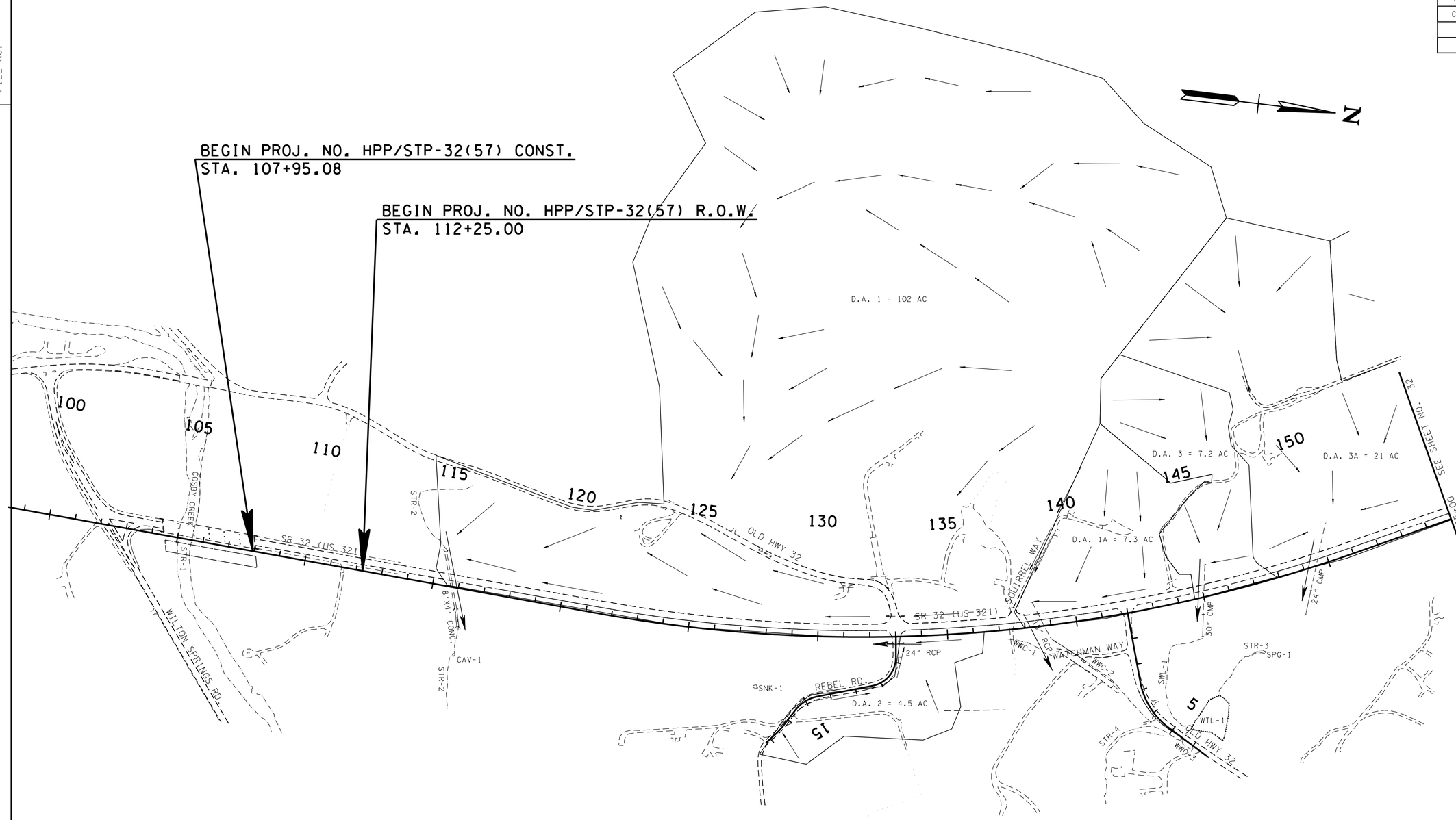
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	31
CONST.	2015	HPP/STP-32(57)	31

BEGIN PROJ. NO. HPP/STP-32(57) CONST.
STA. 107+95.08

BEGIN PROJ. NO. HPP/STP-32(57) R.O.W.
STA. 112+25.00



PROPOSED DRAINAGE STRUCTURES

DRAINAGE AREA	LOCATION	STRUCTURE	DRAINAGE AREA SIZE	Tc	C	Q50	Q100
1	115+74.96	8' x 4' CONCRETE BOX CULVERT	102 AC	21 MIN	-	127.31 CFS	152.85 CFS
1A	138+74.59	18" RCP EXIST./24" EXT.	7.3 AC	5 MIN	0.250	14.14 CFS	15.51 CFS
2	10+80.94 REBEL RD.	24" PIPE	4.67 AC	5 MIN	0.250	9.05 CFS	9.92 CFS
3	144+99.74	30" CMP	7.20 AC	9 MIN	0.238	11.14 CFS	12.34 CFS
3A	149+49.34	24" CMP	21 AC	8 MIN	0.238	33.74 CFS	37.49 CFS

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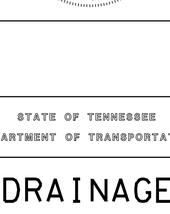

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 100+00 TO STA. 155+00

SCALE: 1"=200'

10/15/2014
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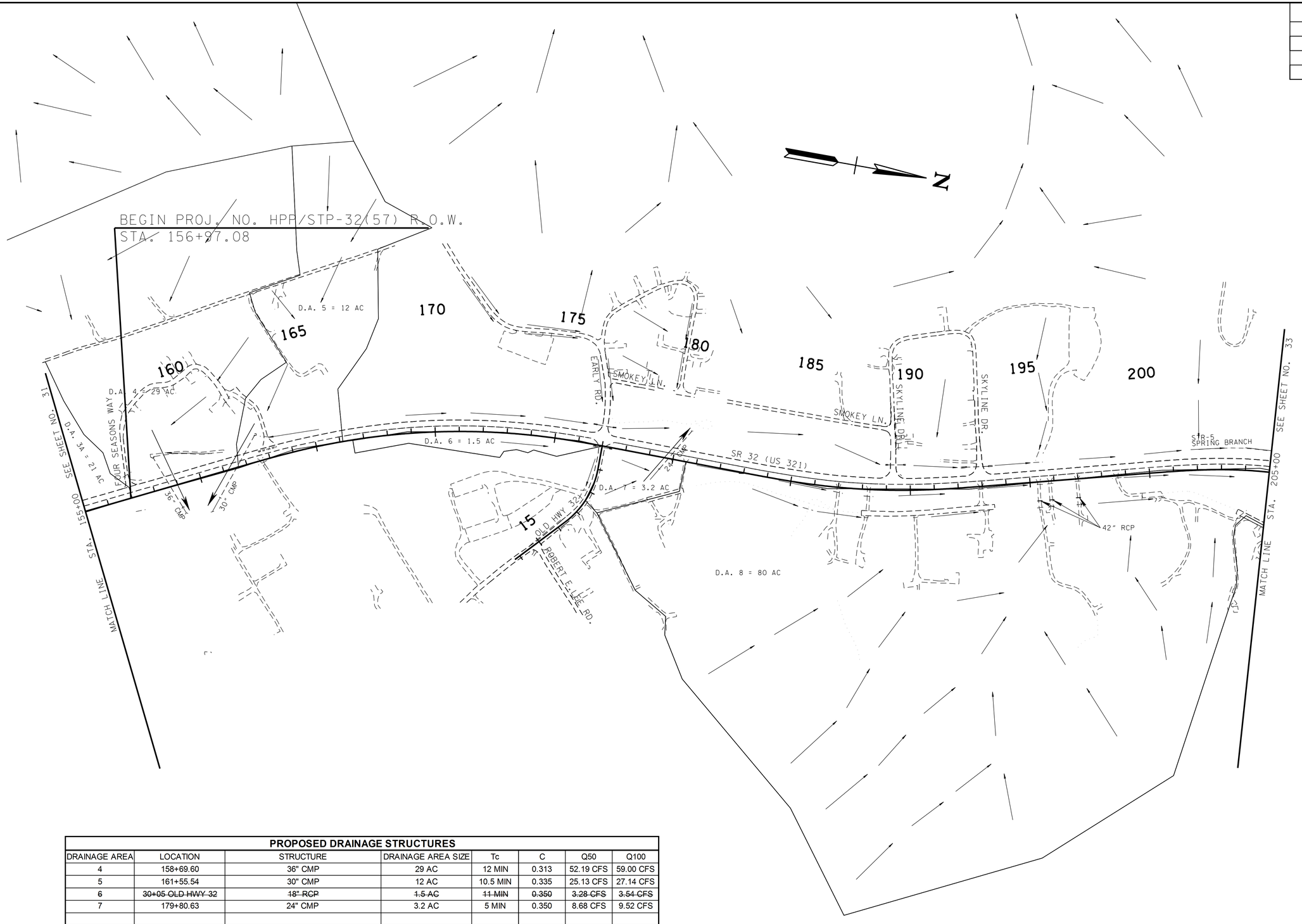
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	32
CONST.	2015	HPP/STP-32(57)	32



PROPOSED DRAINAGE STRUCTURES

DRAINAGE AREA	LOCATION	STRUCTURE	DRAINAGE AREA SIZE	Tc	C	Q50	Q100
4	158+69.60	36" CMP	29 AC	12 MIN	0.313	52.19 CFS	59.00 CFS
5	161+55.54	30" CMP	12 AC	10.5 MIN	0.335	25.13 CFS	27.14 CFS
~~6~~	~~30+05 OLD HWY 32~~	~~18" RCP~~	~~1.5 AC~~	~~11 MIN~~	~~0.350~~	~~3.28 CFS~~	~~3.54 CFS~~
7	179+80.63	24" CMP	3.2 AC	5 MIN	0.350	8.68 CFS	9.52 CFS

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DEPARTMENT OF COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 155+00 TO STA. 205+00

SCALE: 1"=200'

10/15/2014
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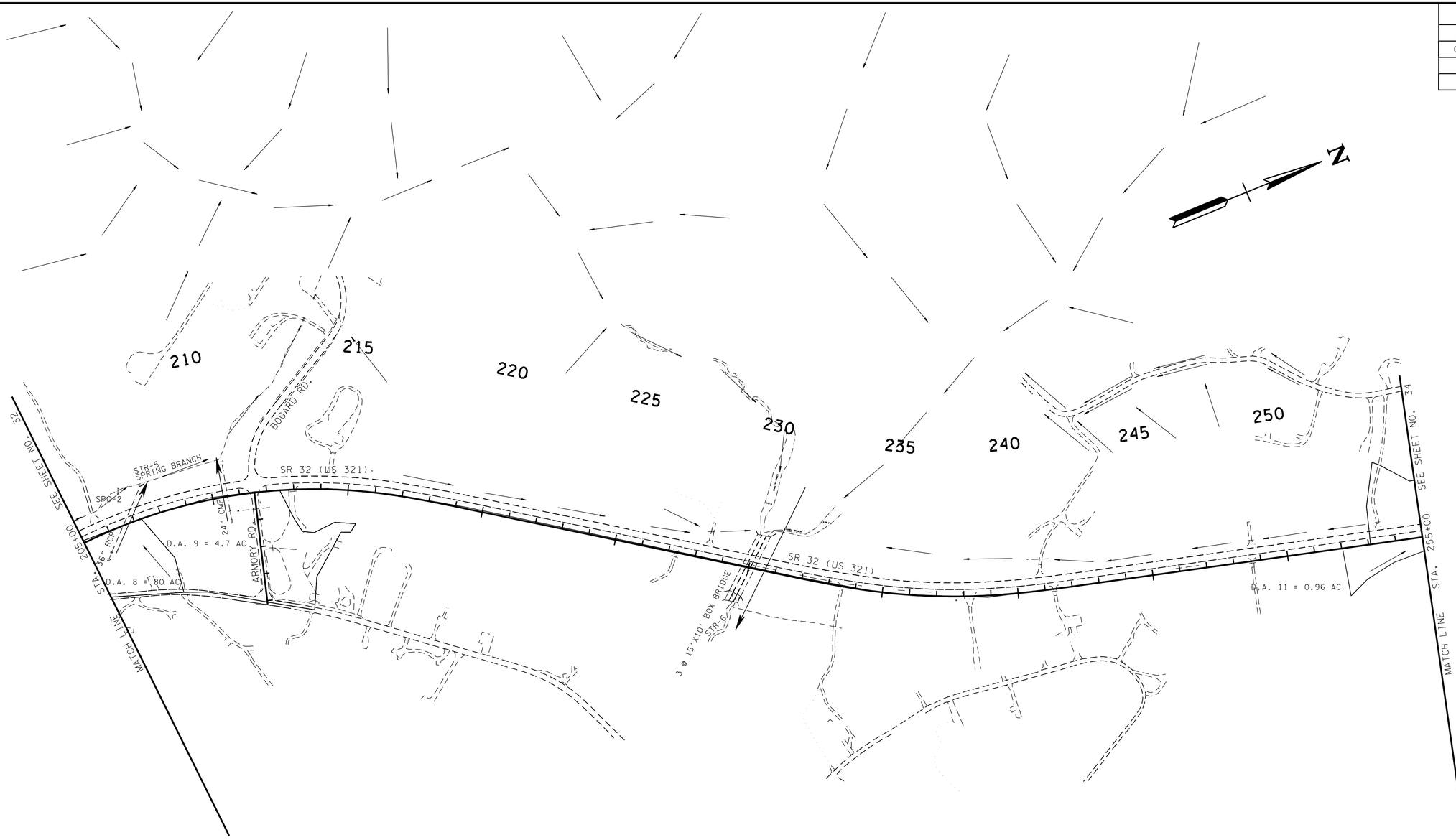
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	33
CONST.	2015	HPP/STP-32(57)	33



PROPOSED DRAINAGE STRUCTURES

DRAINAGE AREA	LOCATION	STRUCTURE	DRAINAGE AREA SIZE	Tc	C	Q50	Q100
8	206+56.88	36" RCP	80 AC	20 MIN	0.290	110.20 CFS	121.80 CFS
9	210+55.75	24" CMP	4.7 AC	5 MIN	0.313	11.40 CFS	12.50 CFS

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DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 205+00 TO STA. 255+00

SCALE: 1"=200'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	34
CONST.	2015	HPP/STP-32(57)	34

PROPOSED DRAINAGE STRUCTURES							
DRAINAGE AREA	LOCATION	STRUCTURE	DRAINAGE AREA SIZE	Tc	C	Q50	Q100
11	50+81 J. BURNETT DR.	24" PIPE	1.33 AC	5 MIN	0.350	3.61 CFS	3.96 CFS
12	261+67.12	24" RCP	9.3 AC	5 MIN	0.335	19.47 CFS	21.19 CFS
13	269+80.82	42" CMP EXIST./48" EXT.	47 AC	14 MIN	0.320	82.72 CFS	90.24 CFS
14	61+29.77 ARMORY RD.	30" CMP EXIST.	20 AC	14.5 MIN	0.328	34.77 CFS	38.05 CFS
15	272+41.16	6' x 6' CONC. BOX CULVERT	390 AC	48 MIN	-	288.49 CFS	340.75 CFS
16	287+54.16	36" RCP	12 AC	13 MIN	0.200	21.12 CFS	24.00 CFS
17	297+25.75	30" RCP	1.8 AC	5 MIN	0.350	4.88 CFS	5.36 CFS
18	70+91.50 COSBY CUT. 1	24" PIPE	1.77 AC	5 MIN	0.350	4.80 CFS	5.27 CFS

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COMMERCE
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STATE OF TENNESSEE

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DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 255+00 TO STA. 305+00

SCALE: 1"=200'

10/15/2014
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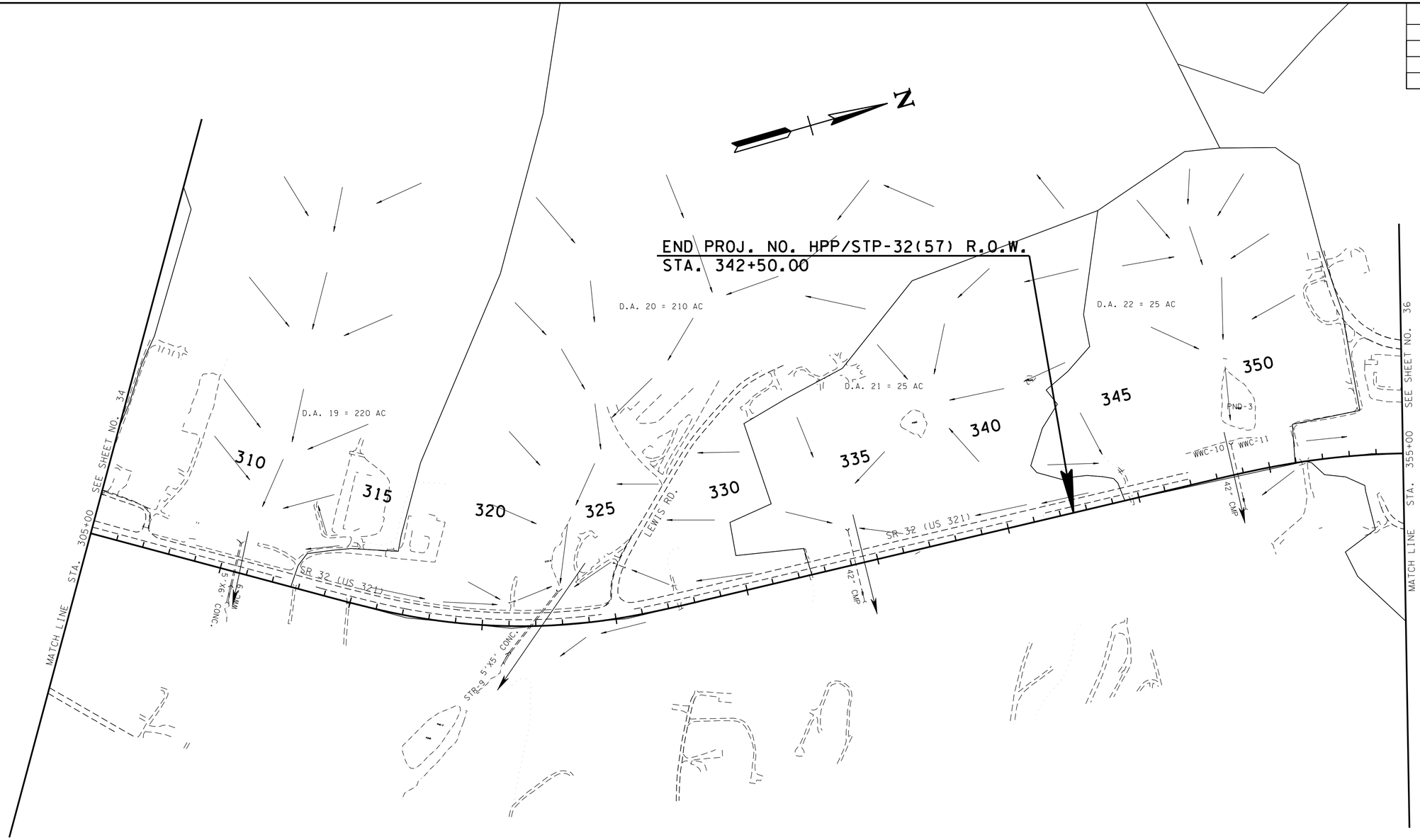
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	35
CONST.	2015	HPP/STP-32(57)	35



PROPOSED DRAINAGE STRUCTURES

DRAINAGE AREA	LOCATION	STRUCTURE	DRAINAGE AREA SIZE	Tc	C	Q50	Q100
19	310+53.83	5' X 6' CONC. BOX CULVERT	220 AC	39.5 MIN	-	191.43 CFS	226.88 CFS
20	321+80.56	5' X 5' CONC. BOX CULVERT	210 AC	25 MIN	-	185.02 CFS	219.34 CFS
21	334+16.66	42" RCP	25 AC	16 MIN	0.200	26.25 CFS	28.75 CFS
22	348+79.06	42" CMP	25 AC	8 MIN	0.200	33.75 CFS	37.50 CFS

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DEPARTMENT OF COMMERCE
NO. 104219

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 305+00 TO STA. 355+00

SCALE: 1"=200'

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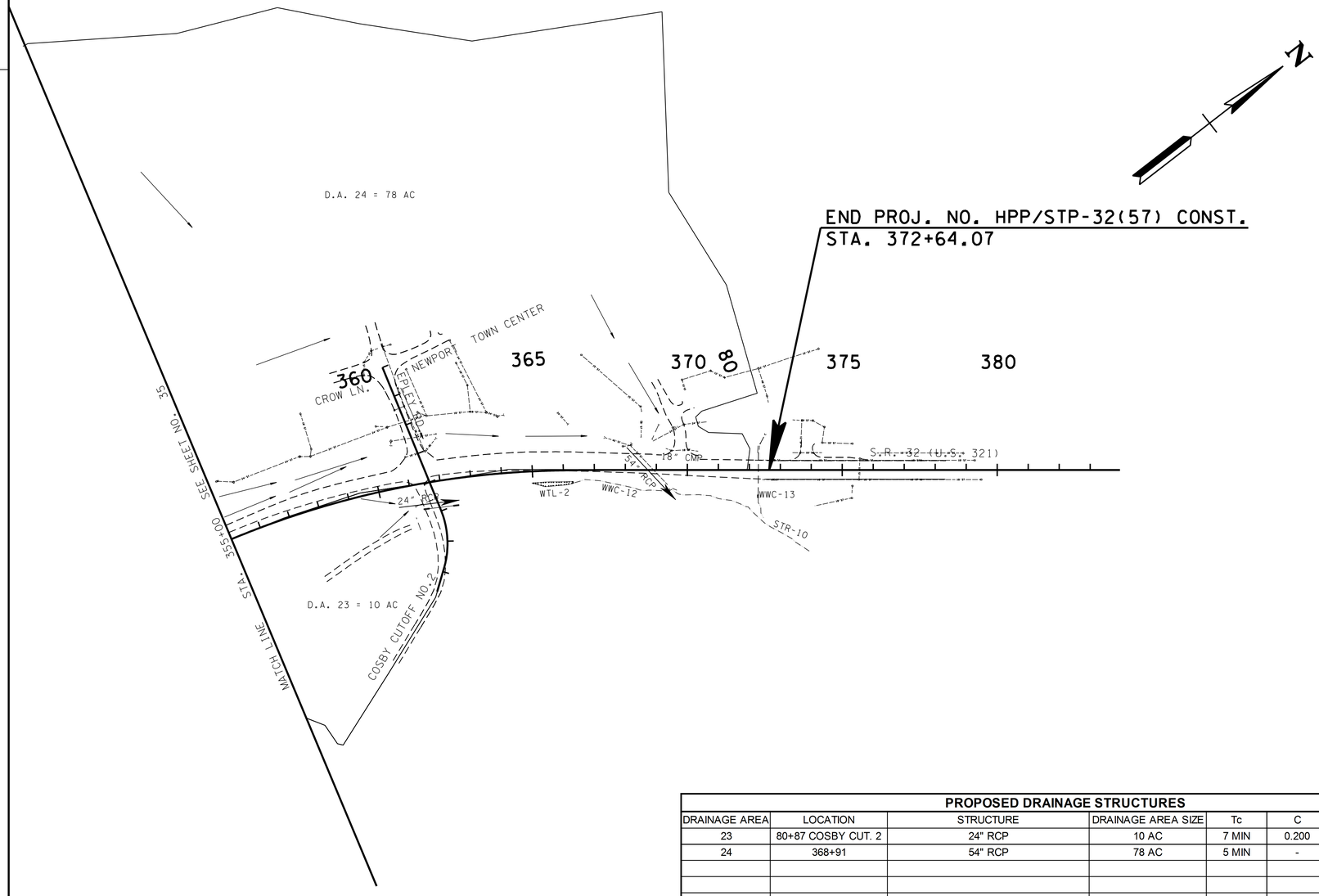
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	36
CONST.	2015	HPP/STP-32(57)	36



PROPOSED DRAINAGE STRUCTURES

DRAINAGE AREA	LOCATION	STRUCTURE	DRAINAGE AREA SIZE	Tc	C	Q50	Q100
23	80+87 COSBY CUT. 2	24" RCP	10 AC	7 MIN	0.200	14.00 CFS	15.50 CFS
24	368+91	54" RCP	78 AC	5 MIN	-	82.40 CFS	93.93 CFS

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DRAINAGE MAP

STA. 355+00 TO STA. 383+96

SCALE: 1"=200'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	37
CONST.	2015	HPP/STP-32(57)	37

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION

STA. 144+99.74
191.62' - 30" CMP EXIST.
85.03' - 30" CMP EXTENSION
SKEW 74°57'48" LT
ENDWALLS REQD. : 1 - "STR"
STD. DWG. NOS. D-PB-1, D-PE-4, D-PG-3
D.A. = 7.20 AC.
Q50 = 11.14 CFS
Q100 = 12.34 CFS
W.S. ELEV. (50) = 1270.93
W.S. ELEV. (100) = 1271.06
CLASS "A" CONC. : 6.17 C.Y.
REINF. STEEL : 186 LBS.

FG EL. 1301.75
FG EL. 1301.23
EL. 1298.25
-0.039 -0.018 -0.039 6.2:1 6.2:1 -0.039 0.018 -0.039
2.1:1
INLET EL. 1269.33
EXIST. 191.62' - 30" CMP @ 3.59 %
EXTEND 85.03' - 30" CMP @ 3.53 %
EXIST. OUTLET EL. 1262.45
OUTLET EL. 1259.45
MACHINED RIP-RAP (CLASS B)
ITEM 709-05.08
8.5' W X 5' L X 2.5' D

144+99.74

STA. 138+74.59
153.90' - 18" RCP EXIST.
163.00' - 24" PIPE
SKEW 69°55'36" RT
ENDWALLS REQD. : 1 - "STR"
STD. DWG. NOS. D-PB-1, D-PE-4, D-CB-38SE, D-JBS-2
D.A. = 7.30 AC.
Q50 = 14.14 CFS
Q100 = 15.51 CFS
W.S. ELEV. (50) = 1280.09
W.S. ELEV. (100) = 1283.54
CLASS "A" CONC.: 3.96 C.Y.
REINF. STEEL : 145 LBS.

603 #38 GT. EL. 1282.28
IN. EL. 1271.92
OUT.EL. 1271.73
Δ=27°32'31" LT
-0.037 6.4:1 6.4:1 0.031 -0.037 -0.029 0.031 -0.010
3.2:1
INLET EL. 1276.64
EXIST. 153.90' - 18" RCP @ 4.80 %
163.00' - 24" PIPE @ 2.05%
WATCHMAN WAY
STA. 1+99.32
GRADE TO DRAIN
604 JB GT. EL. 1272.83
IN. EL. 1269.37
OUT.EL. 1261.40
OUTLET EL. 1258.03
MACHINED RIP-RAP (CLASS C)
ITEM 709-05.09
12' W X 8' L X 3.5' D

138+74.59

STATION	115+74.96	
STRUCTURE	EXIST. 222.14' - 8' X 4' RCBC EXTEND 70' 8' X 4' RCBC	
SKEW	69°46'53" RT	
DRAINAGE AREA	102 AC.	
DESIGN DISCHARGE (Q50)	127.3 CFS	
DESIGN DISCHARGE (Q100)	152.8 CFS	
Q50 HEADWATER ELEV.	1157.74	
Q100 HEADWATER ELEV.	1158.10	
VELOCITY (Q50)	9.04 FT/S	
VELOCITY (Q100)	9.65 FT/S	
INLET ELEVATION	1154.66	
OUTLET ELEVATION	1152.55	
STANDARD DRAWING NUMBERS	STD-17-1,STD-17-2,STD-17-3,STD-17-4, STD-17-5,STD-17-6,STD-17-7,STD-17-8, STD-17-9,STD-17-10,STD-17-12,STD-17-15, STD-17-16,STD-17-16,STD-17-16,STD-17-17, STD-17-18,STD-17-23,STD-17-24,STD-17-26, STD-17-28,STD-17-29,STD-17-52	
CLASS "A" CONCRETE	59.15	C.Y.
STEEL BAR REINFORCING	13,560.90	LB.
FOUNDATION FILL MATERIAL	34.5	C.Y.

FG EL. 1196.87
FG EL. 1197.64
EL. 1194.03
-0.034 -0.034 6.4:1 6.4:1 -0.038 -0.004 -0.038 6.4:1
8.06' (5'-10")
9.36' >30' 21.49' (20'-30') 21.49' (10'-20') 8.6' (5'-3")
2.1:1
Δ=3° RT
INLET EL. 1154.66
EXIST. 222.14' - 8' X 4' RCBC @ 0.72 %
EXTEND 70' - 8' X 4' RCBC @ 0.72 %
EXIST. OUTLET EL. 1153.07
OUTLET EL. 1152.57
MACHINED RIP-RAP (CLASS B)
ITEM 709-05.08
14' W X 15' L X 2.5' D

115+74.96

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DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

STA.115+74.96
TO
STA.144+99.74

SCALE: 1"=20' HORIZ.
1"=20' VERT.

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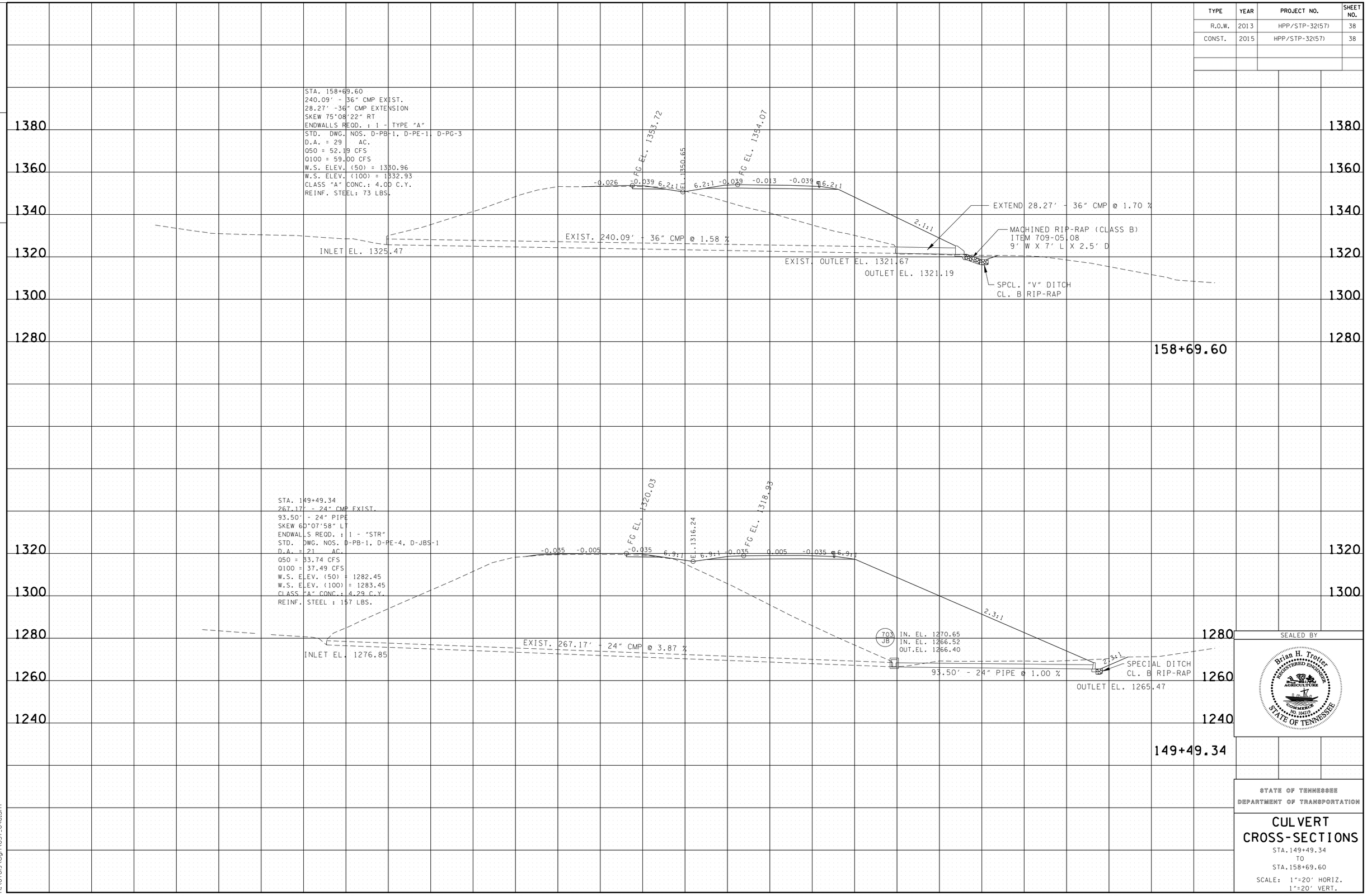
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	38
CONST.	2015	HPP/STP-32(57)	38



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DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

STA.149+49.34
TO
STA.158+69.60

SCALE: 1"=20' HORIZ.
1"=20' VERT.

10/5/2014
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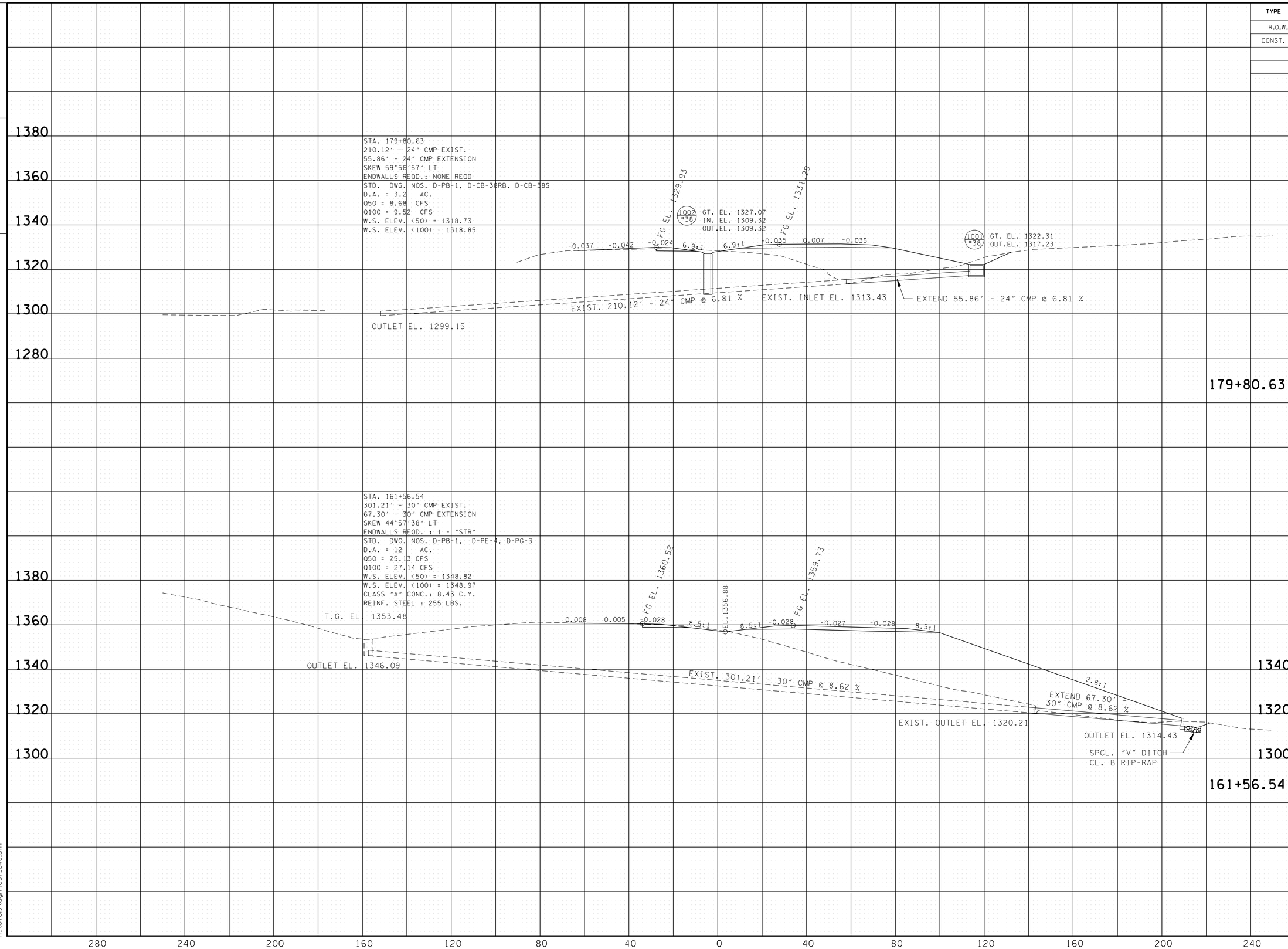
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	39
CONST.	2015	HPP/STP-32(57)	39



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CULVERT CROSS-SECTIONS

STA.161+56.54
TO
STA.179+80.63

SCALE: 1"=20' HORIZ.
1"=20' VERT.

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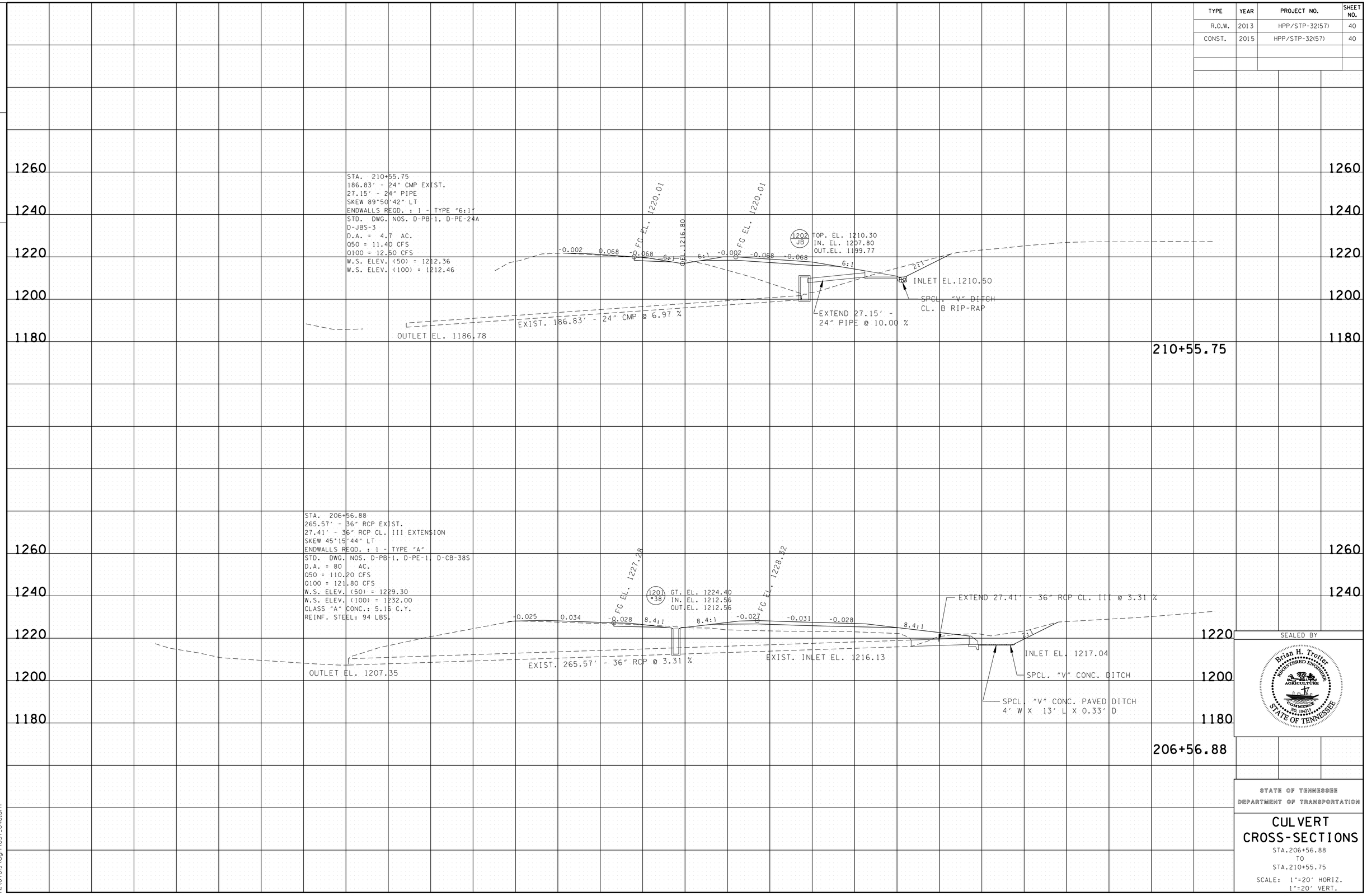
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	40
CONST.	2015	HPP/STP-32(57)	40



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CULVERT CROSS-SECTIONS

STA.206+56.88
TO
STA.210+55.75

SCALE: 1"=20' HORIZ.
1"=20' VERT.

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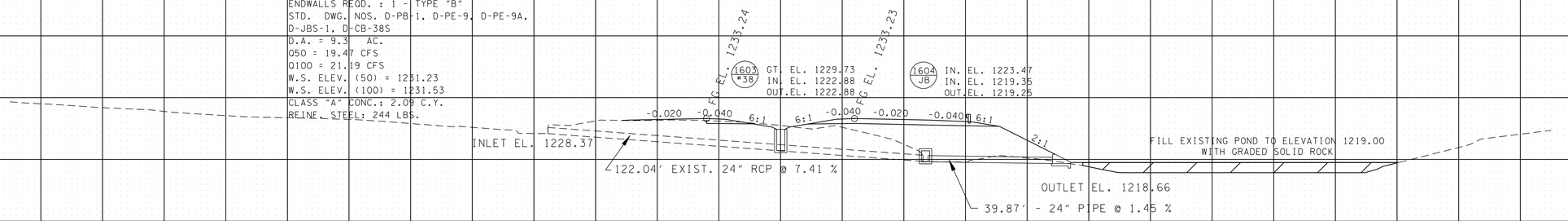
TENNESSEE D.O.T.
DESIGN DIVISION

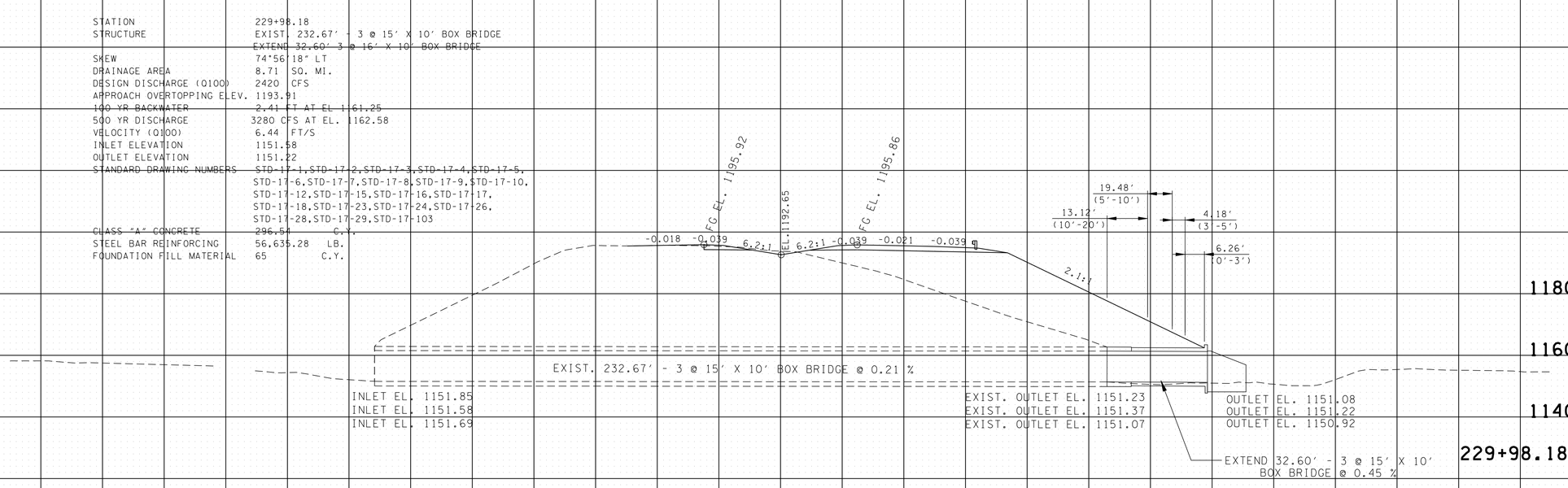
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	41
CONST.	2015	HPP/STP-32(57)	41

STA. 261+67.12
122.04' - 24" RCP EXIST.
39.87' - 24" PIPE
SKEW 89°14'14" LT
ENDWALLS REQD. : 1 - TYPE "B"
STD. DWG. NOS. D-PB-1, D-PE-9, D-PE-9A, D-JBS-1, D-CB-38S
D.A. = 9.3 AC.
Q50 = 19.47 CFS
Q100 = 21.19 CFS
W.S. ELEV. (50) = 1231.23
W.S. ELEV. (100) = 1231.53
CLASS "A" CONC.: 2.09 C.Y.
REINF. STEEL: 244 LBS.



STATION	229+98.18
STRUCTURE	EXIST. 232.67' - 3 @ 15' X 10' BOX BRIDGE EXTEND 32.60' 3 @ 16' X 10' BOX BRIDGE
SKEW	74°56'18" LT
DRAINAGE AREA	8.71 SQ. MI.
DESIGN DISCHARGE (Q100)	2420 CFS
APPROACH OVERTOPPING ELEV.	1193.91
100 YR BACKWATER	2.41 CFS AT EL 1161.25
500 YR DISCHARGE	3280 CFS AT EL. 1162.58
VELOCITY (Q100)	6.44 FT/S
INLET ELEVATION	1151.58
OUTLET ELEVATION	1151.22
STANDARD DRAWING NUMBERS	STD-17-1,STD-17-2,STD-17-3,STD-17-4,STD-17-5, STD-17-6,STD-17-7,STD-17-8,STD-17-9,STD-17-10, STD-17-12,STD-17-15,STD-17-16,STD-17-17, STD-17-18,STD-17-23,STD-17-24,STD-17-26, STD-17-28,STD-17-29,STD-17-103
CLASS "A" CONCRETE	296.54 C.Y.
STEEL BAR REINFORCING	56,635.28 LB.
FOUNDATION FILL MATERIAL	65 C.Y.



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CULVERT CROSS-SECTIONS

STA.229+98.18
TO
STA.261+67.12

SCALE: 1"=20' HORIZ.
1"=20' VERT.

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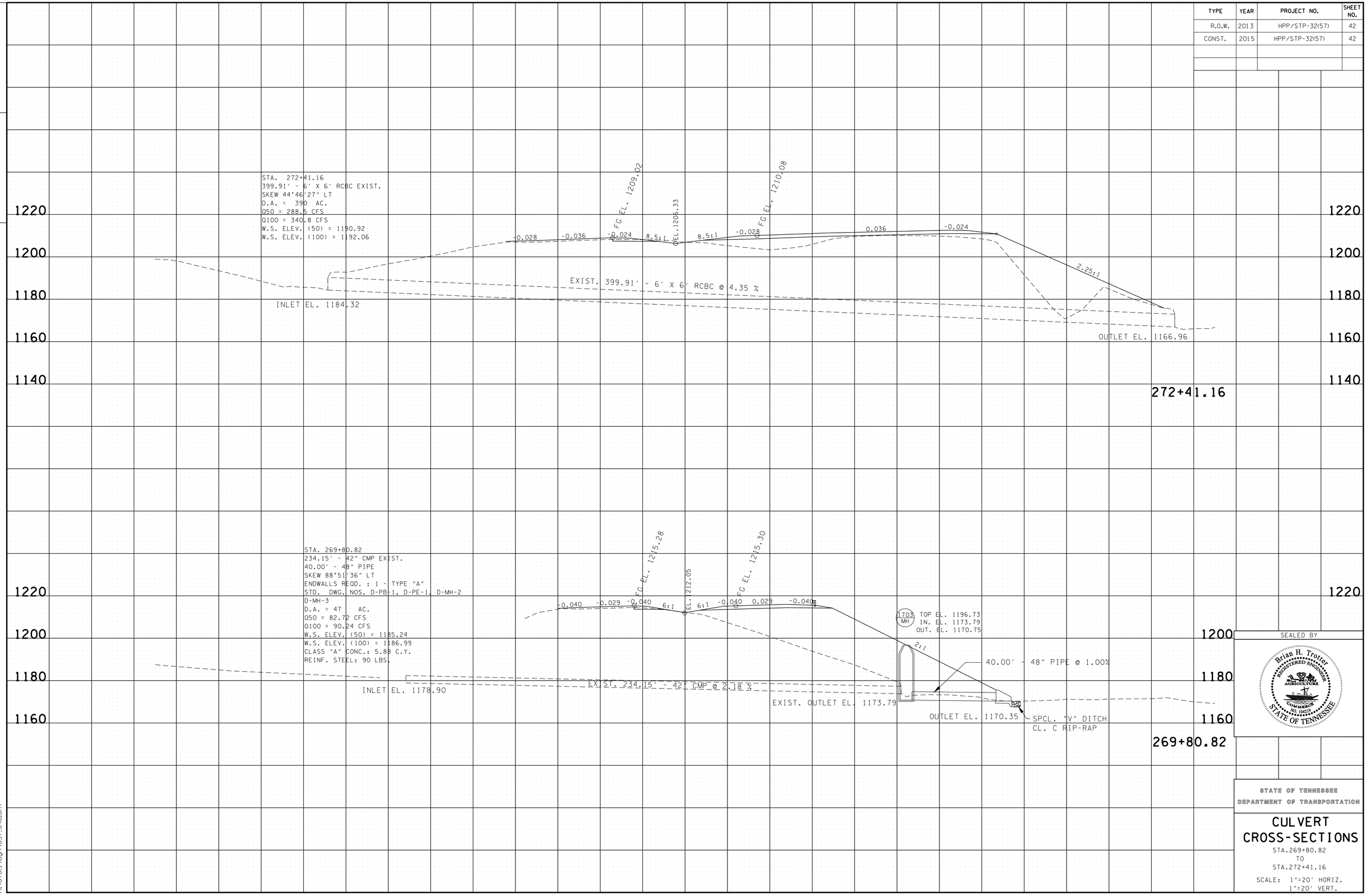
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	42
CONST.	2015	HPP/STP-32(57)	42



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CULVERT CROSS-SECTIONS

STA.269+80.82
TO
STA.272+41.16

SCALE: 1"=20' HORIZ.
1"=20' VERT.

10/15/2014
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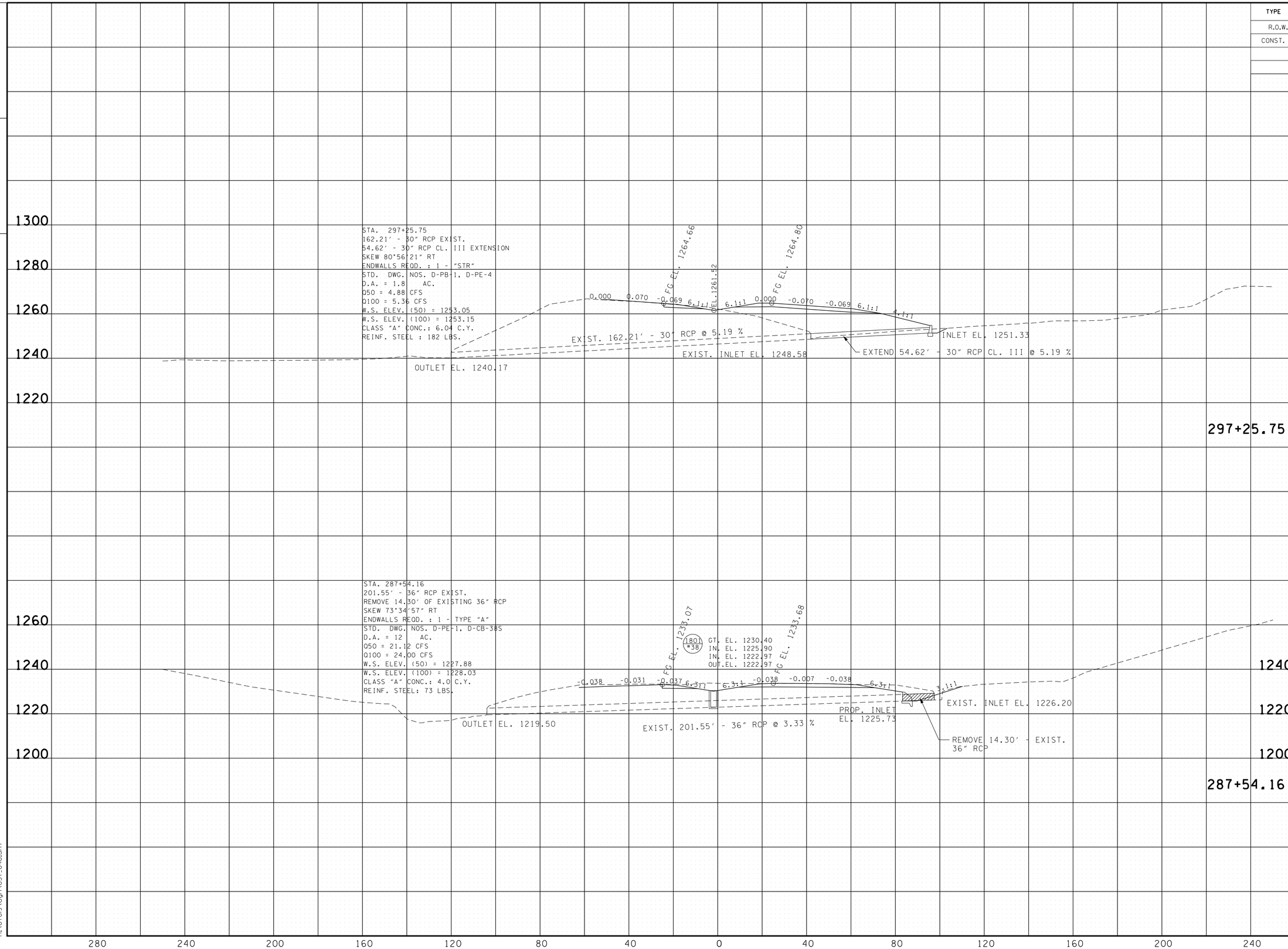
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	43
CONST.	2015	HPP/STP-32(57)	43



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CULVERT CROSS-SECTIONS

STA.287+54.16
TO
STA.297+25.75

SCALE: 1"=20' HORIZ.
1"=20' VERT.

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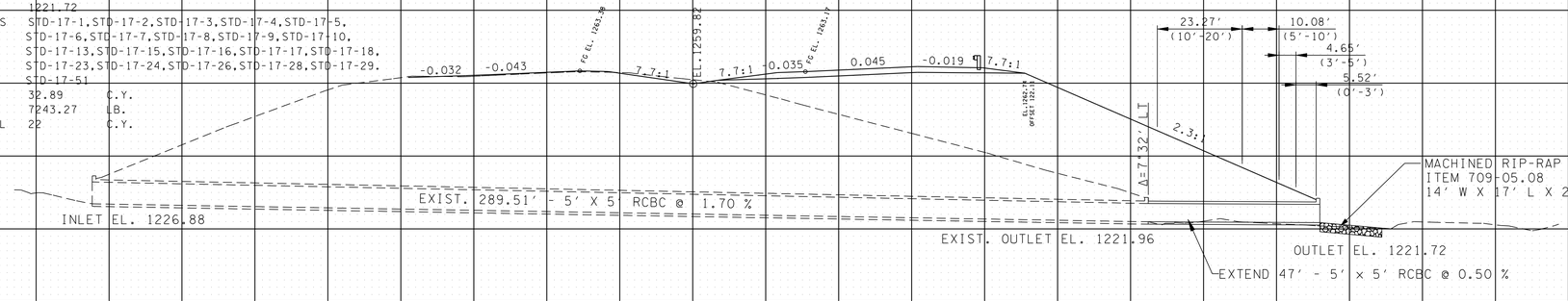
TENNESSEE D.O.T.
DESIGN DIVISION

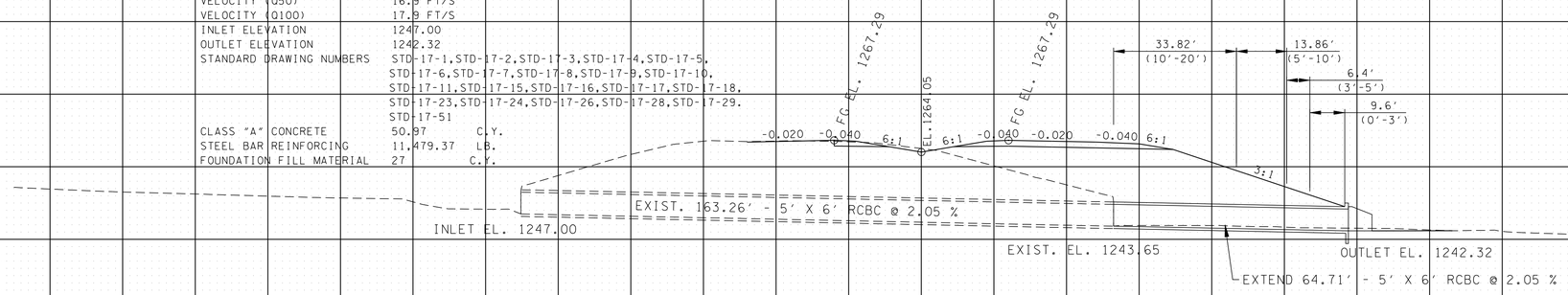
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	44
CONST.	2015	HPP/STP-32(57)	44

STATION	321+80.56
STRUCTURE	EXIST. 289.51' - 5' X 5' RCBC EXTEND 47' - 5' X 5' RCBC
SKEW	50°43'37" LT
DRAINAGE AREA	210 AC.
DESIGN DISCHARGE (Q50)	185.02 CFS
DESIGN DISCHARGE (Q100)	219.34 CFS
OVERTOPPING ELEV.	1240.00
ALLOWABLE HEADWATER ELEV.	1238.00
Q50 HEADWATER ELEV.	1231.38
Q100 HEADWATER ELEV.	1233.38
VELOCITY (Q50)	8.22 FT/S
VELOCITY (Q100)	8.77 FT/S
INLET ELEVATION	1226.88
OUTLET ELEVATION	1221.72
STANDARD DRAWING NUMBERS	STD-17-1,STD-17-2,STD-17-3,STD-17-4,STD-17-5, STD-17-6,STD-17-7,STD-17-8,STD-17-9,STD-17-10, STD-17-13,STD-17-15,STD-17-16,STD-17-17,STD-17-18, STD-17-23,STD-17-24,STD-17-26,STD-17-28,STD-17-29. STD-17-51
CLASS "A" CONCRETE	32.89 C.Y.
STEEL BAR REINFORCING	7243.27 LB.
FOUNDATION FILL MATERIAL	22 C.Y.



STATION	310+53.83
STRUCTURE	EXIST. 163.26' - 5' X 6' RCBC (CATTLE PASS) EXTEND 64.71' 5' X 6' RCBC (CATTLE PASS)
SKEW	88°08'49" RT
DRAINAGE AREA	220 AC.
DESIGN DISCHARGE (Q50)	191.4 CFS
DESIGN DISCHARGE (Q100)	226.8 CFS
OVERTOPPING ELEV.	1264.50
ALLOWABLE HEADWATER ELEV.	1262.00
Q50 HEADWATER ELEV.	1252.58
Q100 HEADWATER ELEV.	1253.42
VELOCITY (Q50)	16.9 FT/S
VELOCITY (Q100)	17.9 FT/S
INLET ELEVATION	1247.00
OUTLET ELEVATION	1242.32
STANDARD DRAWING NUMBERS	STD-17-1,STD-17-2,STD-17-3,STD-17-4,STD-17-5, STD-17-6,STD-17-7,STD-17-8,STD-17-9,STD-17-10, STD-17-11,STD-17-15,STD-17-16,STD-17-17,STD-17-18, STD-17-23,STD-17-24,STD-17-26,STD-17-28,STD-17-29. STD-17-51
CLASS "A" CONCRETE	50.97 C.Y.
STEEL BAR REINFORCING	11,479.37 LB.
FOUNDATION FILL MATERIAL	27 C.Y.



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DEPARTMENT OF COMMERCE AND INSURANCE

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CULVERT CROSS-SECTIONS

STA.310+53.83
TO
STA.321+80.56

SCALE: 1"=20' HORIZ.
1"=20' VERT.

10/5/2014
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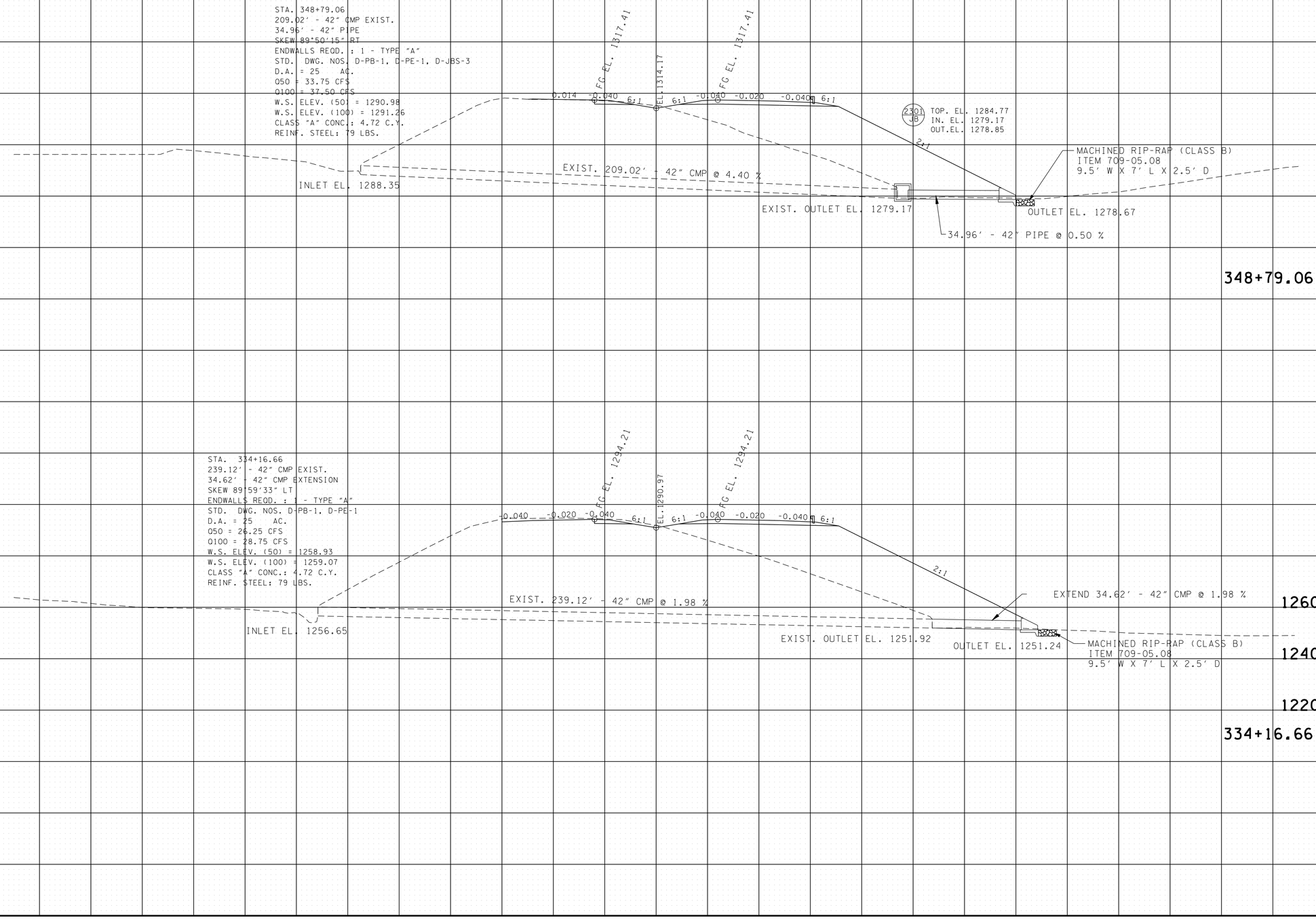
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	45
CONST.	2015	HPP/STP-32(57)	45



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CULVERT CROSS-SECTIONS

STA.334+16.66
TO
STA.348+79.06

SCALE: 1"=20' HORIZ.
1"=20' VERT.

10/15/2014
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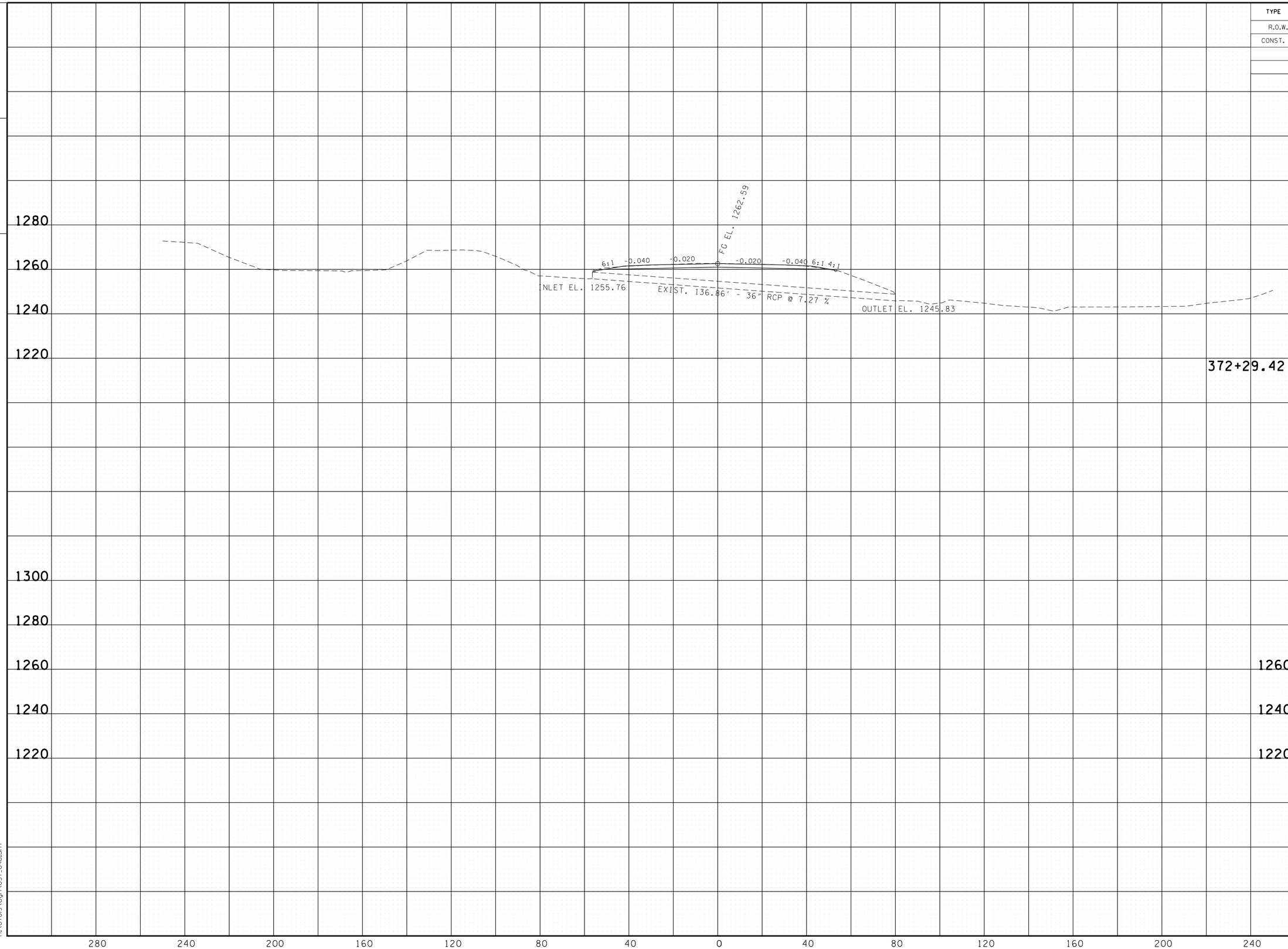
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	46
CONST.	2015	HPP/STP-32(57)	46



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STATE OF TENNESSEE

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DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

STA.368+91.41
TO
STA.372+29.42

SCALE: 1"=20' HORIZ.
1"=20' VERT.

10/5/2014
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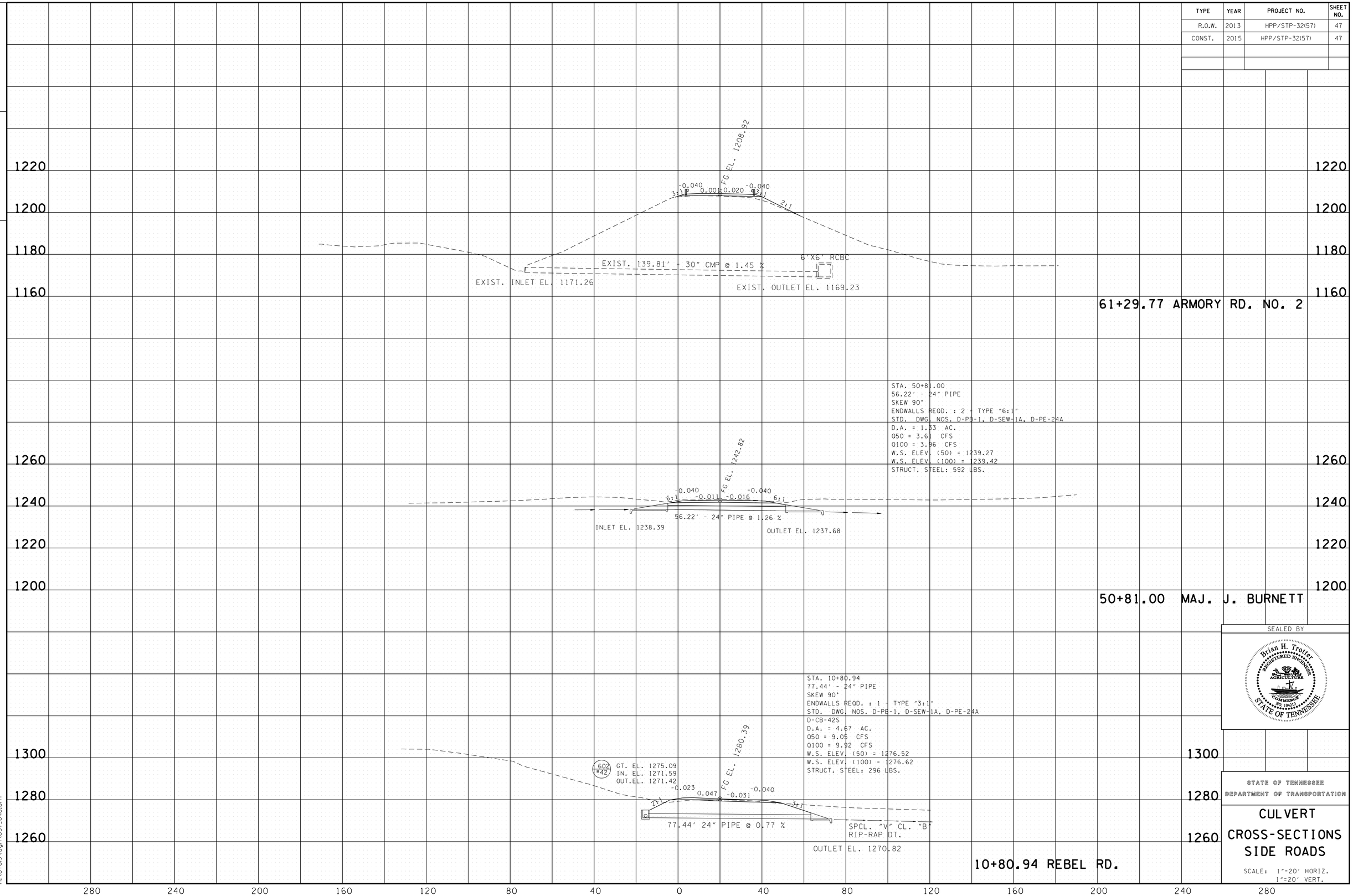
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	47
CONST.	2015	HPP/STP-32(57)	47



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CULVERT CROSS-SECTIONS SIDE ROADS

SCALE: 1"=20' HORIZ.
1"=20' VERT.

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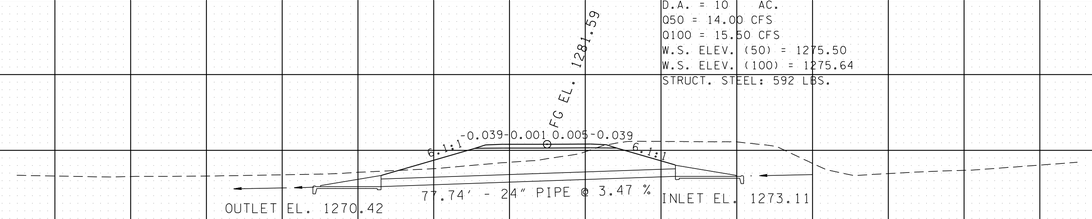
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

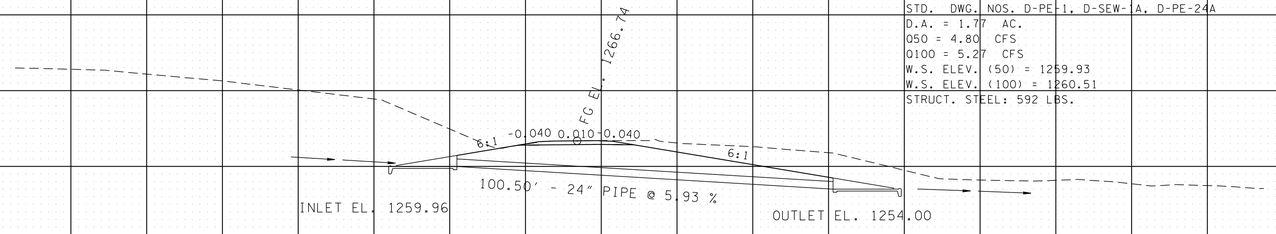
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	48
CONST.	2015	HPP/STP-32(57)	48

STA. 80+87.58
77.74' - 24" PIPE
SKEW 74°36'42" RT
ENDWALLS REQD. : 2 - TYPE "6:1"
STD. DWG. NOS. D-PB-1, D-SEW-1A, D-PE-24A
D.A. = 10 AC.
Q50 = 14.00 CFS
Q100 = 15.50 CFS
W.S. ELEV. (50) = 1275.50
W.S. ELEV. (100) = 1275.64
STRUCT. STEEL: 592 LBS.



80+87.58 COSBY CUTOFF NO. 2

STA. 70+91.50
100.50' - 24" PIPE
SKEW 81° LT
ENDWALLS REQD. : 2 - TYPE "6:1"
STD. DWG. NOS. D-PE-1, D-SEW-1A, D-PE-24A
D.A. = 1.77 AC.
Q50 = 4.80 CFS
Q100 = 5.27 CFS
W.S. ELEV. (50) = 1259.93
W.S. ELEV. (100) = 1260.51
STRUCT. STEEL: 592 LBS.



71+02.35 COSBY CUTOFF NO. 1

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CULVERT CROSS-SECTIONS SIDE ROADS

SCALE: 1"=20' HORIZ.
1"=20' VERT.

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	49
CONST.	2015	HPP/STP-32(57)	49

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

STREAM/WETLAND

(1) ANY WORK WITHIN THE STREAM CHANNEL AREA (E.G., FOR PIER FOOTING, RIP-RAP PLACEMENT, MULTI-BARREL 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.

(2) A 30 FOOT NATURAL RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STREAM SHALL BE PRESERVED, TO THE MAXIMUM EXTENT PRACTICABLE, DURING CONSTRUCTION ACTIVITIES AT THE SITE. BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA. THE 30 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 15 FEET AT ANY MEASURED LOCATION. EVERY ATTEMPT SHALL BE MADE FOR CONSTRUCTION ACTIVITIES NOT TO TAKE PLACE WITHIN THE BUFFER ZONES. BEST MANAGEMENT PRACTICES (BMPS) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN ZONE MAY BE USED. A JUSTIFICATION FOR USE AND DESIGN EQUIVALENCY SHALL BE DOCUMENTED WITHIN THE SWPPP. THE ENVIRONMENTAL AND DESIGN DIVISIONS SHALL REVIEW AND APPROVE THIS REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE SITE PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CONSTRUCTION GENERAL PERMIT. WHERE ISSUED, ARAP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

KNOWN EXCEPTIONAL TENNESSEE WATERS

(3) FOR PROJECTS THAT DISCHARGE INTO KNOWN EXCEPTIONAL TENNESSEE WATERS OR WATERS IMPAIRED BY SILTATION, AN OUTFALL IN A DRAINAGE AREA OF 5 ACRES OR MORE, A TEMPORARY (OR PERMANENT) SEDIMENT BASIN THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/ 24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL FINAL STABILIZATION OF THE SITE. THE ENVIRONMENTAL AND DESIGN DIVISIONS MAY BE CONTACTED TO REVIEW AND CONCUR WITH ANY REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE OUTFALL PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CONSTRUCTION GENERAL PERMIT.

(4) FOR PROJECTS THAT DISCHARGE INTO KNOWN EXCEPTIONAL TENNESSEE WATERS OR WATERS IMPAIRED BY SILTATION, A 60 FOOT NATURAL RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STREAM WITH THIS DESIGNATION SHALL BE PRESERVED, TO THE MAXIMUM EXTENT PRACTICABLE, DURING CONSTRUCTION ACTIVITIES AT THE SITE. BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA. THE 60 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 30 FEET AT ANY MEASURED LOCATION. EVERY ATTEMPT SHALL BE MADE FOR CONSTRUCTION ACTIVITIES NOT TO TAKE PLACE WITHIN THE BUFFER ZONES. BEST MANAGEMENT PRACTICES (BMPS) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN ZONE MAY BE USED. A JUSTIFICATION FOR USE AND DESIGN EQUIVALENCY SHALL BE DOCUMENTED WITHIN THE SWPPP. THE ENVIRONMENTAL AND DESIGN DIVISIONS SHALL REVIEW AND APPROVE THIS REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE SITE PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CONSTRUCTION GENERAL PERMIT. WHERE ISSUED, ARAP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

NPDES

(5) NO WORK SHALL BE STARTED UNTIL THE CONTRACTOR'S PLAN FOR THE STAGING OF THEIR OPERATIONS, INCLUDING THE PLAN FOR STAGING OF TEMPORARY AND PERMANENT EPSC MEASURES, HAS BEEN ACCEPTED BY THE ENGINEER. THE CONTRACTOR'S EPSC PLAN SHALL INCORPORATE AND SUPPLEMENT, AS ACCEPTABLE, THE BASIC EPSC DEVICES ON THE EPSC PLAN CONTAINED IN THE APPROVED SWPPP.

(6) THE EPSC MEASURES AND/OR PLAN SHALL BE MODIFIED AS NECESSARY SO THAT THEY ARE EFFECTIVE AT ALL TIMES THROUGHOUT THE COURSE OF THE PROJECT.

(7) THE ACCEPTED EPSC PLAN SHALL REQUIRE THAT EPSC MEASURES BE IN PLACE BEFORE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING OCCURS, EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES, INCLUDING WITHOUT LIMITATION AS FOLLOWS:

A. INITIAL CLEARING AND GRUBBING SHALL BE LIMITED TO THAT NECESSARY FOR THE INSTALLATION OF APPLICABLE EPSC MEASURES IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

B. NO OTHER CLEARING AND GRUBBING OPERATIONS SHALL BE STARTED BEFORE APPLICABLE EPSC MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

C. NO CULVERT OR BRIDGE CONSTRUCTION SHALL BE STARTED BEFORE APPLICABLE EPSC MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

D. NO GRADING, EXCAVATION, CUTTING, FILLING, OR OTHER EARTHWORK SHALL BE STARTED BEFORE EPSC MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

(8) PERMANENT EPSC MEASURES SHALL BE INITIATED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OF ANY SEQUENCE OR PHASE. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OR WHEN CONSTRUCTION ACTIVITIES ON A PORTION OF THE SITE ARE TEMPORARILY CEASED AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME UNTIL AFTER 14 CALENDAR DAYS. PERMANENT STABILIZATION WITH PERENNIAL VEGETATION OR OTHER PERMANENTLY STABLE NON-ERODING SURFACE SHALL REPLACE ANY TEMPORARY MEASURES AS SOON AS PRACTICABLE. UNPACKED GRAVEL CONTAINING FINES (SILT AND CLAY SIZED PARTICLES) OR CRUSHER-RUN WILL NOT BE CONSIDERED A NON-ERODIBLE SURFACE.

(9) STEEP SLOPES (A NATURAL OR CREATED SLOPE OF 35% GRADE (2.8H:1V) OR GREATER REGARDLESS OF HEIGHT) SHALL BE TEMPORARILY STABILIZED NO LATER THAN 7 CALENDAR DAYS AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED.

(10) FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION SUPPORT ACTIVITIES; TDOT PROJECTS ARE COVERED UNDER THE "WASTE AND BORROW" MANUAL PER THE SSWMP.

(11) 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.

UTILITY RELOCATION

(12) RAIN WATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND MAINTAINED.

(13) SILT FENCE SHALL BE INSTALLED ON THE DOWNSTREAM SIDE OF STOCKPILED SOIL. TRENCHING ACROSS WET WEATHER CONVEYANCES SHALL BE DONE DURING NO FLOW CONDITIONS AND STABILIZED BY THE END OF THE WORK DAY

(14) UTILITY CROSSINGS FOR PERENNIAL STREAMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH TDOT STANDARDS AND NO WORK SHALL BE CONDUCTED IN FLOWING WATERS. TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) REGULATIONS APPLY TO UTILITIES IN THIS PROJECT IN REGARD TO EROSION PREVENTION AND SEDIMENT CONTROL (EPSC). THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE STORM WATER POLLUTION PREVENTION PLANS (SWPPP).

(15) IT IS THE RESPONSIBILITY OF THE STATE UTILITY CONTRACTOR INSTALLER TO PROTECT FROM EROSION EXPOSED EARTH RESULTING FROM THEIR OPERATIONS AND TO PROVIDE FOR CONTAINMENT OF SEDIMENT THAT MAY RESULT FROM THEIR WORK. PRIOR TO BEGINNING WORK, ADEQUATE MEASURES MUST BE IN PLACE TO TRAP ANY SEDIMENT THAT MAY TRAVEL OFF-SITE IN THE EVENT OF RAIN. DURING THE PROGRESSION OF THEIR WORK, EXPOSED EARTH AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EROSION. AT NO TIME SHALL EXPOSED EARTH RESULTING FROM THEIR OPERATIONS HAVE UNPROTECTED ACCESS TO FLOWING OFF-SITE AND ENTERING WATERS OF THE STATE/U.S.

(16) FOR THE INSTALLATION OF BURIED UTILITIES (PIPES AND CABLES), TRENCHES SHALL BE BACKFILLED DAILY AS CONSTRUCTION PROCEEDS. BACKFILLED TRENCHES SHALL BE SEEDED AND MULCHED OR SODDED DAILY IF POSSIBLE, BUT NO LATER THAN SEVEN DAYS AFTER BEING BACKFILLED. ANY TEMPORARY SPOIL OF EXCAVATED EARTH SHALL BE LOCATED WITHIN TDOT EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES OR RECEIVE SEPARATE EPSC MEASURES. IF TRENCHES ARE NOT BACKFILLED OVERNIGHT, APPROPRIATE EPSC MEASURES WILL BE INSTALLED BY THE STATE UTILITY CONTRACTOR UNTIL SUCH TIME AS THE TRENCH IS BACKFILLED.

(17) IN REGARD TO EROSION PREVENTION AND SEDIMENT CONTROL (EPSC), TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) REGULATIONS APPLY TO THE STATE UTILITY CONTRACTORS IN THIS PROJECT, THEREFORE, THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE STORM WATER POLLUTIONS PREVENTION PLANS (SWPPP). THE STATE CONTRACTOR IS RESPONSIBLE FOR EPSC MEASURES RELATED TO UTILITY CONSTRUCTION INCLUDED IN THE STATE CONTRACT WORK.

(18) TRENCHES FORMED FOR THE INSTALLATION OF BURIED UTILITIES MAY CAUSE STORM WATER RUNOFF TO CONCENTRATE AT THE TRENCH LINE. ADDITIONAL EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES MAY BE REQUIRED TO BE INSTALLED AS APPROVED BY THE TDOT PROJECT ENGINEER.

(19) FOR THE INSTALLATION OF UNDERGROUND UTILITIES OUTSIDE OF THE TDOT RIGHT-OF-WAY, EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) SHALL BE INSTALLED PRIOR TO CLEARING (TRENCHING AND ASSOCIATED BLASTING) IN THOSE AREAS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION AREA. THESE EPSC MEASURES SHALL REMAIN UNTIL THE BACKFILLED TRENCH IS STABILIZED WITH FINAL VEGETATIVE COVER.

(20) THE UTILITY CONTRACTOR SHALL RESTORE ALL AFFECTED WET WEATHER CONVEYANCES TO THE EXISTING TOPOGRAPHIC CONDITIONS (AS APPROVED BY THE TDOT PROJECT ENGINEER).

(21) THE UTILITY CONTRACTOR WILL PROVIDE APPROPRIATE EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES TO REPLACE IN-PLACE EPSC MEASURES REMOVED TO FACILITATE THE INSTALLATION OF UTILITIES. REPLACEMENT OF EPSC MEASURES WILL BE COORDINATED WITH THE TDOT PROJECT ENGINEER BEFORE COMMENCING WORK.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	49A
CONST.	2015	HPP/STP-32(57)	49A

EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	CLEARING & GRUBBING	CONSTRUCTION	FINAL STABILIZATION	TOTAL	UNIT
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	75	2109		2184	C.Y.
209-02.05	12" TEMPORARY SLOPE DRAIN	1135	2070		3205	L.F.
209-05	SEDIMENT REMOVAL				1950	C.Y.
209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	9065	6708		15773	L.F.
209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	1816	3917		5733	L.F.
209-08.07	ROCK CHECK DAM PER	329	595		924	EACH
209-08.08	ENHANCED ROCK CHECK DAM	39	41		80	EACH
209-09.01	SAND BAGS	165	855		1020	EACH
209-09.03	SEDIMENT FILTER BAG (15'X15')		5		5	EACH
209-09.04	SEDIMENT FILTER BAG (15'X10')		5		5	EACH
209-10.20	TEMPORARY SEDIMENT TRAP		560		560	C.Y.
209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)		105		105	S.Y.
209-40.33	CATCH BASIN PROTECTION (TYPE D)	4	4	38	46	EACH
209-40.42	CATCH BASIN FILTER ASSEMBLY(TYPE 2)		34		34	EACH
209-65.03	TEMPORARY DIVERSION CHANNEL		60		60	L.F.
303-10.01	MINERAL AGGREGATE (SIZE 57)	415	1130		1545	TON
621-03.02	18" TEMPORARY DRAINAGE PIPE	108	203		311	L.F.
621-03.03	24" TEMPORARY DRAINAGE PIPE	185	262		447	L.F.
621-03.04	30" TEMPORARY DRAINAGE PIPE	240	248		488	L.F.
621-03.05	36" TEMPORARY DRAINAGE PIPE	90	147		237	L.F.
621-03.06	42" TEMPORARY DRAINAGE PPE	100	251		351	L.F.
621-03.07	48" TEMPORARY DRAINAGE PPE		154		154	L.F.
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	5595	5925		11520	L.F.
709-05.05	MACHINED RIP-RAP (CLASS A-3)	501	501		1001	TON
709-05.06	MACHINED RIP-RAP (CLASS A-1)	1679	1613		3292	TON
709-05.08	MACHINED RIP-RAP (CLASS B)	1353	902		2255	TON
740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	4457	3633		8090	S.Y.
740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	1023	882		1905	S.Y.
740-11.02	TEMPORARY SEDIMENT TUBE 12IN (EROSION CONTROL)			35726	35726	L.F.
740-11.03	TEMPORARY SEDIMENT TUBE 18IN (EROSION CONTROL)	31795	30287		62082	L.F.
740-11.05	TEMPORARY SEDIMENT TUBE 24IN (EROSION CONTROL)	8942	787		9729	L.F.
801-01	SEEDING (WITH MULCH)			321	321	UNIT
801-01.07	TEMPORARY SEEDING (WITH MULCH)	3545	2915		6460	UNIT
801-02	SEEDING (WITHOUT MULCH)			150	150	UNIT
801-02.01	CROWN VETCH MIXTURE (WITHOUT MULCH)			1146	1146	UNIT
801-03	WATER (SEEDING AND SODDING)	354.5	291.5	556.4	1202	M.G.
803-01	SODDING (NEW SOD)			39473	39473	S.Y.
805-12.02	EROSION CONTROL BLANKET (TYPE II)		7837	143900	151737	S.Y.

NOTE: ALL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.	SYMBOL	ITEM	STD. DWG.
SFB SFB SFB SFB SFB	TEMPORARY SEDIMENT FILTER BAG	EC-STR-2	D	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19
SF SF SF SF SF	SILT FENCE	EC-STR-3B	TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25 ⚠
SFB SFB SFB SFB	SILT FENCE WITH WIRE BACKING	EC-STR-3C		TEMPORARY SLOPE DRAIN	EC-STR-27
	ROCK CHECK DAM (V-DITCH)	EC-STR-6		TEMPORARY BERM	EC-STR-27
	ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6		TEMPORARY SLOPE DRAIN WITH TEMPORARY BERM	EC-STR-27
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A		TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6A		SAND BAG BERM	EC-STR-33
	SEDIMENT TRAP WITH ENHANCED ROCK CHECK DAM	EC-STR-7		TEMPORARY PIPE FOR BOX CULVERT EXTENSION	EC-STR-33 EC-STR-33A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11		EROSION CONTROL BLANKET	EC-STR-34
	ROCK SEDIMENT DAM	EC-STR-12	×× TUBE ×× TUBE ××	SEDIMENT TUBE	EC-STR-37
× HVF × HVF	HIGH VISIBILITY CONSTRUCTION FENCE		2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42

⚠ CONSTRUCTION EXIT LOCATIONS INDICATED ON THE EPSC PLANS ARE SUGGESTED LOCATIONS. ACTUAL LOCATIONS WILL BE DETERMINED IN THE FIELD AND APPROVED BY THE ENGINEER.

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NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104210
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

CLEARING & GRUBBING			CONSTRUCTION			FINAL STABILIZATION		
OUTFALL	SUB-OUTFALL	AREA	OUTFALL	SUB-OUTFALL	AREA	OUTFALL	SUB-OUTFALL	AREA
OUT-1		0.61 AC	OUT-1		0.40 AC			
OUT-2		0.59 AC	OUT-2		0.21 AC	OUT-2		0.21 AC
OUT-3		0.78 AC	OUT-3		0.63 AC			
OUT-4		0.71 AC	OUT-4		0.58 AC			
			OUT-36		1.82 AC	OUT-36		1.82 AC
OUT-5		17.45 AC	OUT-5		17.68 AC	OUT-5		17.68 AC
	OUT-5A	5.19 AC		OUT-5A	5.03 AC		OUT-5A	5.03 AC
				OUT-5B	0.89 AC		OUT-5B	0.89 AC
				OUT-5C	2.28 AC		OUT-5C	2.28 AC
OUT-6		0.25 AC						
OUT-7		1.59 AC	OUT-7		1.59 AC	OUT-7		1.59 AC
			OUT-37		0.05 AC	OUT-37		0.05 AC
			OUT-38		0.38 AC	OUT-38		0.38 AC
OUT-41		0.79 AC						
OUT-8		1.48 AC	OUT-8		2.81 AC	OUT-8		2.81 AC
OUT-9		5.50 AC	OUT-9		5.44 AC	OUT-9		5.44 AC
OUT-10		3.41 AC	OUT-10		2.45 AC	OUT-10		2.45 AC
	OUT-10A	0.74 AC		OUT-10A	0.69 AC		OUT-10A	0.69 AC
	OUT-10B	1.94 AC		OUT-10B	1.76 AC		OUT-10B	1.76 AC
OUT-11		10.60 AC	OUT-11		7.48 AC	OUT-11		7.48 AC
	OUT-11A	2.82 AC		OUT-11A	0.45 AC		OUT-11A	0.45 AC
OUT-12		1.07 AC	OUT-12		5.27 AC	OUT-12		5.27 AC
			OUT-39		1.54 AC	OUT-39		1.54 AC
OUT-13		3.24 AC						
OUT-14		60.18 AC						
OUT-15		9.35 AC	OUT-15			OUT-15		
			OUT-15A		2.01 AC	OUT-15A		2.01 AC
			OUT-40		1.21 AC	OUT-40		1.21 AC
OUT-16		2.10 AC	OUT-16		4.04 AC	OUT-16		4.04 AC
OUT-17		1.07 AC						
OUT-18		0.92 AC						
OUT-19		0.30 AC						
OUT-20		0.54 AC						
OUT-21		6.86 AC	OUT-21		10.77 AC	OUT-21		10.77 AC
				OUT-21A	2.63 AC		OUT-21A	2.63 AC
				OUT-21B	2.25 AC		OUT-21B	2.25 AC
OUT-22		0.69 AC	OUT-22		6.43 AC	OUT-22		6.43 AC
OUT-23		10.35 AC						
OUT-24		6.16 AC	OUT-24		6.88 AC	OUT-24		6.88 AC
				OUT-24A	0.64 AC		OUT-24A	0.64 AC
				OUT-24B	0.83 AC		OUT-24B	0.83 AC
				OUT-24C	5.15 AC		OUT-24C	5.15 AC
OUT-25		2.62 AC	OUT-25		2.30 AC	OUT-25		2.30 AC
			OUT-25A		1.21 AC	OUT-25A		1.21 AC
			OUT-25B		0.24 AC			
OUT-26		6.67 AC	OUT-26		6.59 AC	OUT-26		6.59 AC
				OUT-26A	0.98 AC		OUT-26A	0.98 AC
				OUT-26B	1.64 AC		OUT-26B	1.64 AC
OUT-27		2.64 AC	OUT-27		4.24 AC	OUT-27		4.24 AC
				OUT-27A	0.13 AC		OUT-27A	0.13 AC
				OUT-27B	1.91 AC		OUT-27B	1.91 AC
OUT-28		4.21 AC	OUT-28		5.48 AC	OUT-28		5.48 AC
				OUT-28A	0.86 AC		OUT-28A	0.86 AC
OUT-29A		2.36 AC	OUT-29A		0.26 AC			
OUT-29B		2.17 AC	OUT-29B		1.47 AC			
			OUT-29C		2.64 AC		OUT-29C	2.64 AC
OUT-30		1.06 AC	OUT-30		2.68 AC	OUT-30		2.68 AC
				OUT-30A	1.92 AC		OUT-30A	1.92 AC
OUT-31		5.64 AC	OUT-31		5.28 AC	OUT-31		5.28 AC
				OUT-31A	1.23 AC		OUT-31A	1.23 AC
OUT-32		0.78 AC						
OUT-33		2.77 AC	OUT-33		4.28 AC	OUT-33		4.28 AC
				OUT-33A	1.29 AC		OUT-33A	1.29 AC
				OUT-33B	0.95 AC		OUT-33B	0.95 AC
OUT-34		2.52 AC	OUT-34		1.82 AC	OUT-34		1.82 AC
OUT-35		18.65 AC	OUT-35		91.61 AC	OUT-35		91.61 AC
	OUT-35A	6.80 AC						
	OUT-35B	4.91 AC		OUT-35B	5.67 AC		OUT-35B	5.67 AC
	OUT-35C	0.08 AC		OUT-35C	0.08 AC		OUT-35C	0.08 AC
	OUT-35D	0.10 AC		OUT-35D	0.10 AC		OUT-35D	0.10 AC

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	49B
CONST.	2015	HPP/STP-32(57)	49B

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104215
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50
CONST.	2015	HPP/STP-32(57)	50

NOTE:
MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

BEGIN PROJ. NO. HPP/STP-32(57) CONST.
STA. 107+95.08

BEGIN PROJ. NO. HPP/STP-32(57) R.O.W.
STA. 112+25.00

S.R. 32 STA. 100+00.00
N 571806.0280
E 2791901.1864

N 3° 23' 00" E

100 105 110

COSBY CREEK

STR-1

OUT-1 OUT-2 OUT-3

18" TUBE

MATCH LINE STA. 113+00 SEE SHT. NO. 50A

CLEARING & GRUBBING

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00010 AND TIED TO THE TCRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

BEG. PROJECT TO STA.113+00
SCALE: 1"= 50'

10/15/2014
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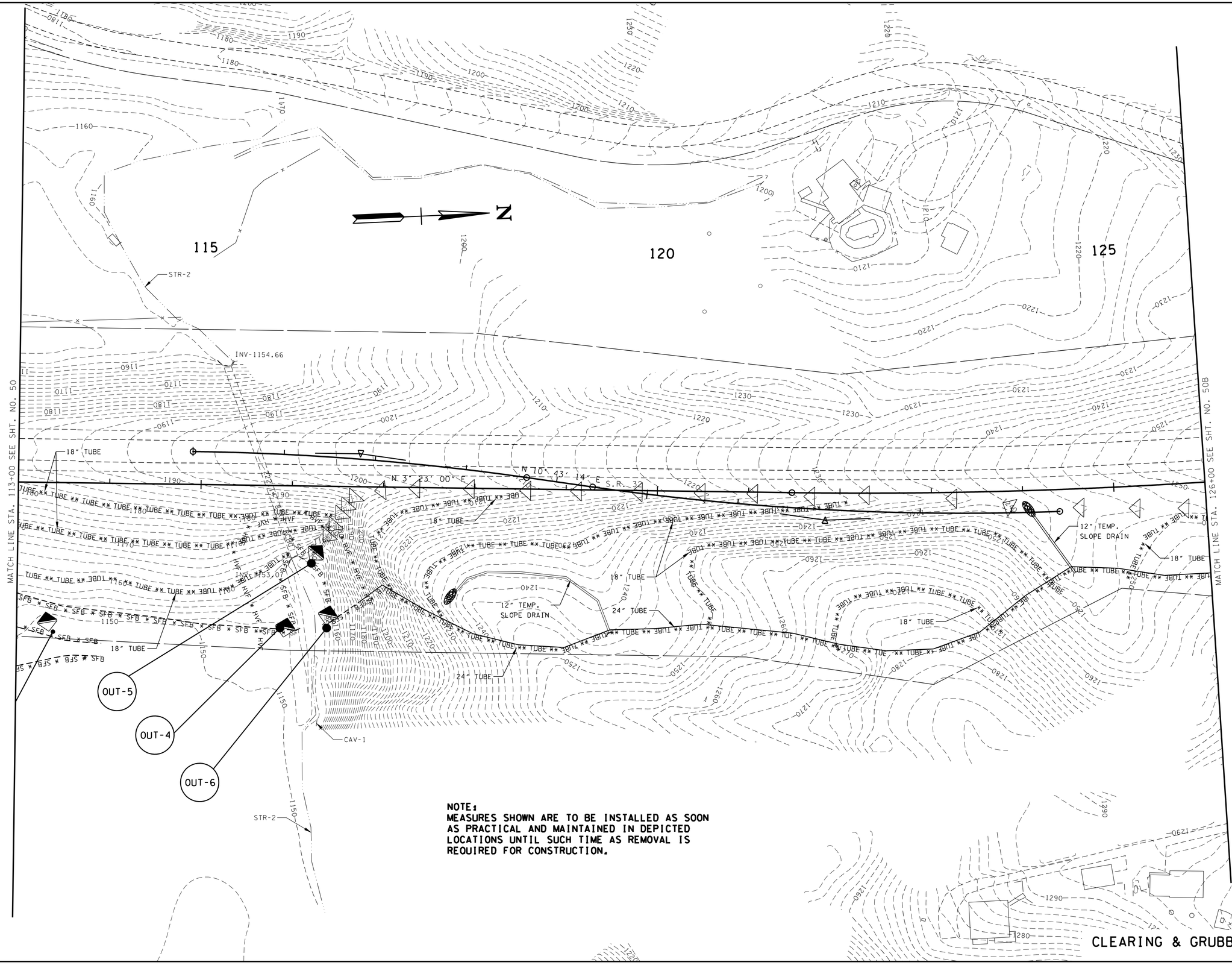
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50A
CONST.	2015	HPP/STP-32(57)	50A



NOTE:
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CLEARING & GRUBBING

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 113+00 TO STA. 126+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50B
CONST.	2015	HPP/STP-32(57)	50B

NOTE:
MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

N

130

135

15

INV-1268.67
18" RCP
INV-1272.20
INV-1263.69
15" CMP
INV-1266.46
INV-1273.81
18" RCP RETAIN
INV-1274.96
INV-1279.11
18" PLASTIC (RETAIN)
INV-1280.27
INV-1280.06
18" CMP RETAIN
INV-1276.60
INV-1279.88
18" RCP (RETAIN)

REBEL RD. STA. 10+00.00 =
S.R. 32 STA. 133+00.92
N 575100.2607
E 2791979.9959

S.R. 32

TGE

12" TEMP. SLOPE DRAIN

12" TEMP. SLOPE DRAIN

18" RCP (REMOVE)
INV-1272.35

18" CMP (REMOVE)
INV-1279.28

SANDBAG PLUG W/18" TEMP. PIPE
INV-1276.55
INV-1269.28

24" TUBE

18" TUBE

24" TUBE

24" TUBE

OUT-5A

SNK

S 17° 56' 09" E
REBEL ROAD
S 59° 09' 33" E
S 48° 42' 35" E

REBEL RD. STA. 17+22.41
N 574651.8027
E 2792446.1842

MATCH LINE STA. 126+00 SEE SHT. NO. 50A

MATCH LINE STA. 139+00 SEE SHT. NO. 50C

CLEARING & GRUBBING

UNOFFICIAL SET

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SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 126+00 TO STA. 139+00

SCALE: 1"= 50'

10/15/2014
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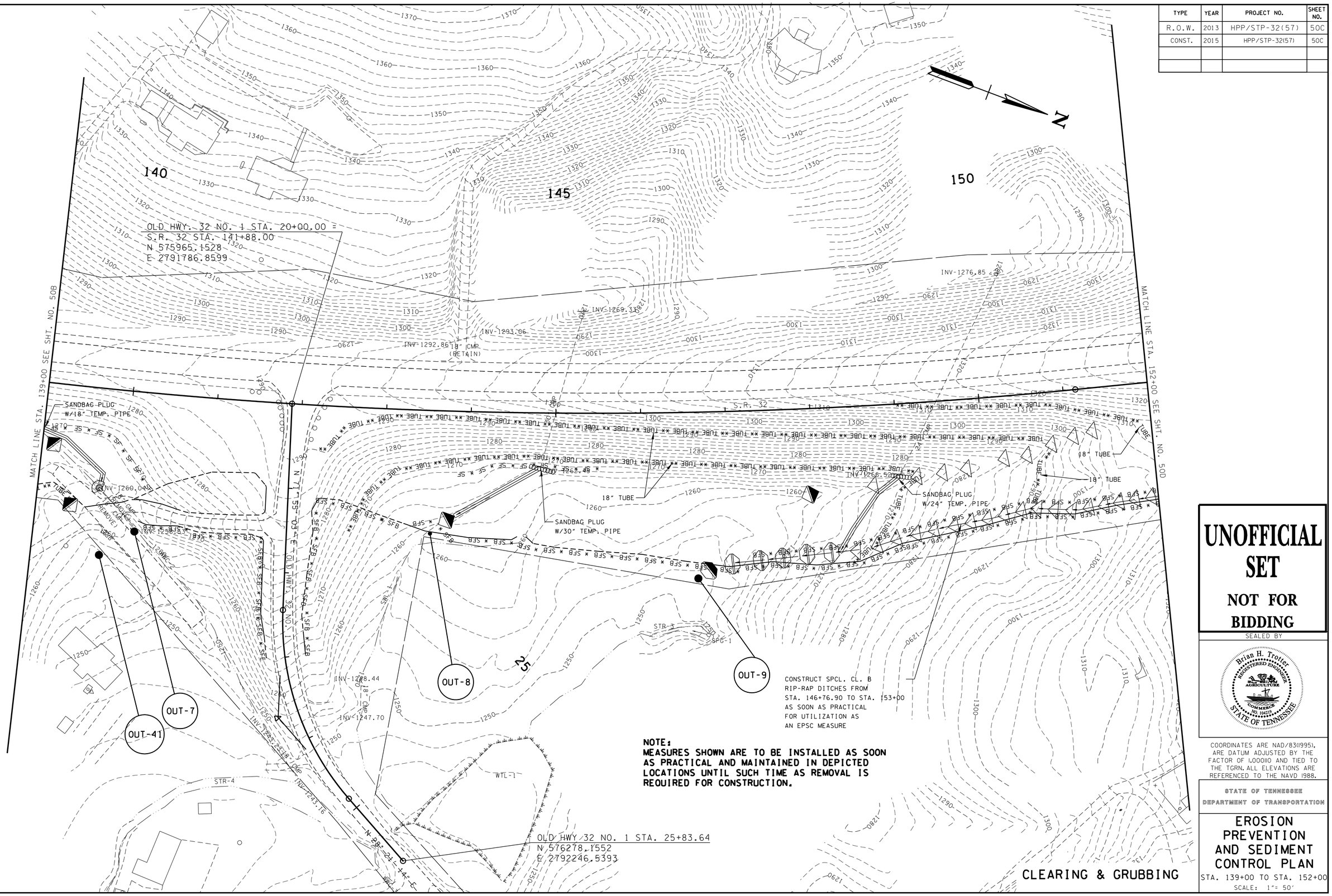
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50C
CONST.	2015	HPP/STP-32(57)	50C



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104319
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 139+00 TO STA. 152+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50D
CONST.	2015	HPP/STP-32(57)	50D

MATCH LINE STA. 152+00 SEE SHT. NO. 50C

MATCH LINE STA. 165+00 SEE SHT. NO. 50E

155

160

N 26° 17' 27" W

S.R. 132

TCE

INV-1325.47

RIP-RAP DITCH

INV-1342.54

INV-1343.09

INV-1346.09

18"PLASTIC (REMAIN)

INV-1355.94

INV-1359.88

30" CMP

SANDBAG PLUG W/30" TEMP. PIPE

INV-1356.21

24" CMP (REMOVE)

INV-1358.00

SANDBAG PLUG W/36" TEMP. PIPE

18" TUBE

INV-1342.17

18"PLASTIC (REMOVE)

INV-1342.29

INV-1321.67

INV-1321.21

24" TUBE

CONST. ESMT.

OUT-10A

OUT-10

OUT-10B

CONSTRUCT SPCL. CL. B RIP-RAP DITCHES FROM STA. 146+76.90 TO STA. 153+00 AS SOON AS PRACTICAL FOR UTILIZATION AS AN EPSC MEASURE

NOTE:
MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

CLEARING & GRUBBING

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE AND INSURANCE
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 152+00 TO STA. 165+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50E
CONST.	2015	HPP/STP-32(57)	50E

NOTE:
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OLD HWY 32 NO. 2 STA. 30+00.00 ±
S.R. 32 STA. 177+00.00
N 579243.5006
E 2790626.4248

OLD HWY 32 NO. 2 STA. 36+55.50
N 578951.0821
E 2791181.6385

MATCH LINE STA. 165+00 SEE SHT. NO. 50D

MATCH LINE STA. 178+00 SEE SHT. NO. 50F

S.R. 32

OUT-11A

OUT-12

18" TUBE

24" TUBE

18" RCP (REMOVE)

24" RCP RETAIN

15" CMP (REMOVE)

OLD HWY 32 NO. 2

S 48° 19' 45" E

S 39° 04' 15" E

170

175

35

CLEARING & GRUBBING

UNOFFICIAL SET

NOT FOR BIDDING

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REGISTERED ENGINEER
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 165+00 TO STA. 178+00

SCALE: 1"= 50'

10/15/2014
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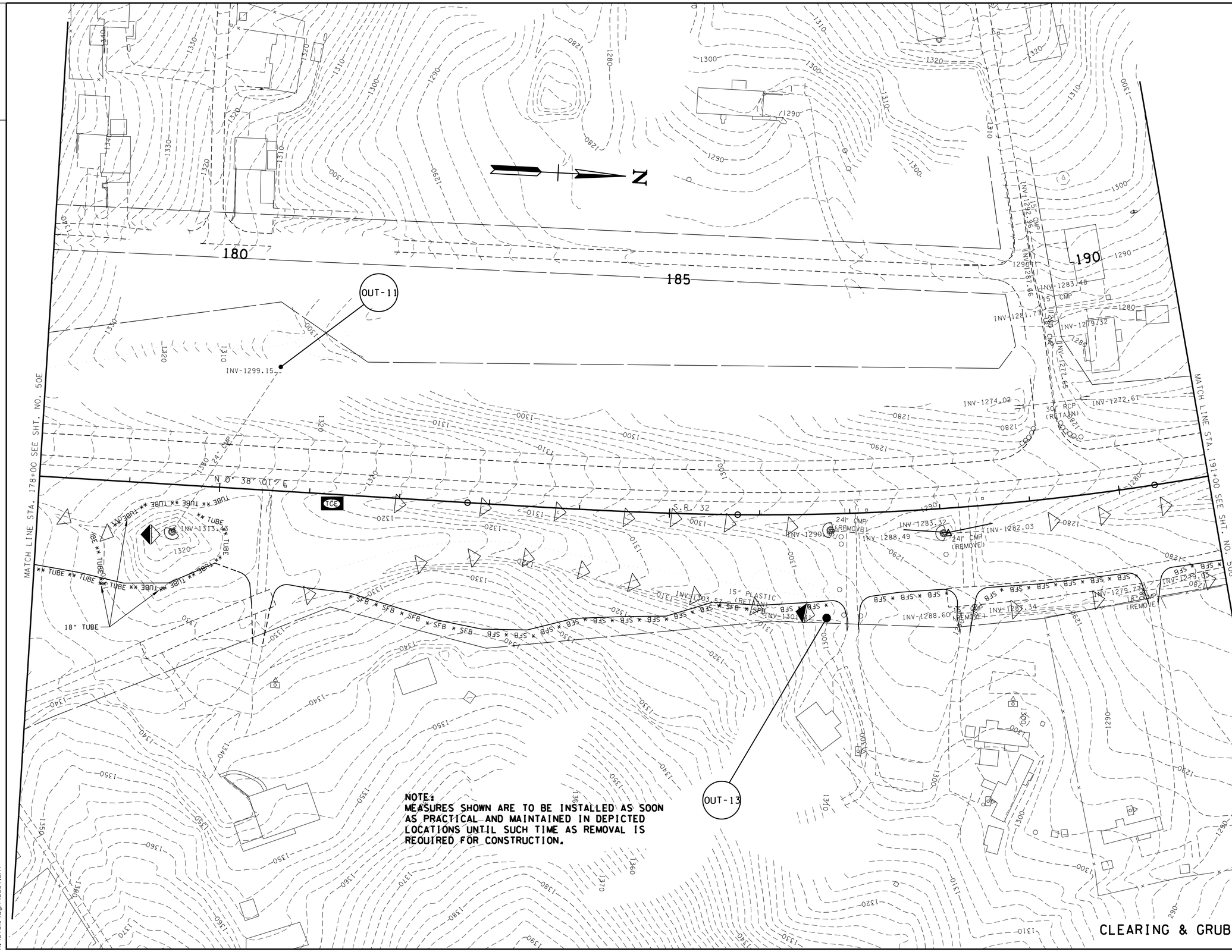
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50F
CONST.	2015	HPP/STP-32(57)	50F



NOTE:
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CLEARING & GRUBBING

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104319
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 178+00 TO STA. 191+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50G
CONST.	2015	HPP/STP-32(57)	50G

NOTE:
MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

NOTE:
CONTRACTOR TO USE ALL MEANS NECESSARY TO PREVENT ANY IMPACTS TO STR-5

195

200

N 14° 39' 00" W

S.R. 32

MATCH LINE STA. 191+00 SEE SHT. NO. 50F

MATCH LINE STA. 204+00 SEE SHT. NO. 50H

STR-5 SPRING BRANCH

INV-1264.33

INV-1264.33

30" RCP (RETAIN)

INV-1262.11

INV-1255.13

30" CMP (REJAIN)

INV-1253.86

INV-1264.16

INV-1263.16

30" CMP (REMOVE)

30" CMP (REMOVE)

INV-1254.30

INV-1253.64

INV-1253.01

30" CMP (REMOVE)

INV-1262.77

INV-1249.26

30" CMP (REMOVE)

INV-1244.80

30" CMP (REMOVE)

INV-1243.90

18" TUBE

INV-1249.70

18" RCP (REMOVE)

INV-1250.89

INV-1250.64

15" CMP (REMOVE)

INV-1250.17

24" TUBE

15" CMP (REMOVE)

INV-1267.84

15" CMP (REMOVE)

INV-1260.89

INV-1258.08

15" RCP (REMOVE)

INV-1256.08

15" RCP (REMOVE)

INV-1255.64

INV-1240.84

INV-1242.24

15" PLASTIC (REMOVE)

WELL

OUT-14

CLEARING & GRUBBING

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104210
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 191+00 TO STA. 204+00

SCALE: 1"= 50'

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50H
CONST.	2015	HPP/STP-32(57)	50H

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

NOTE:
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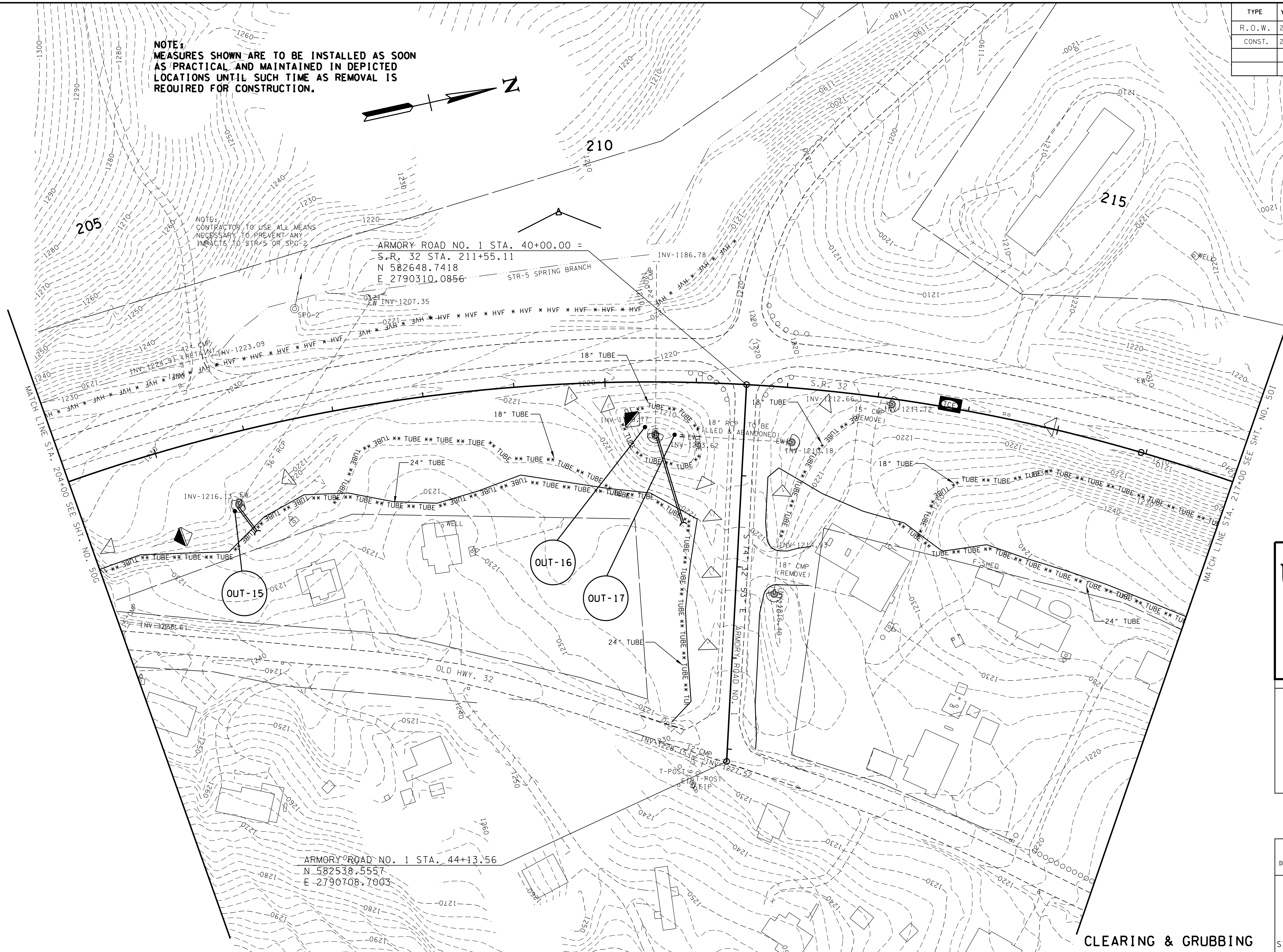

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104210
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 204+00 TO STA. 217+00
SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50I
CONST.	2015	HPP/STP-32(57)	50I

MATCH LINE STA. 217+00 SEE SHT. NO. 50H

MATCH LINE STA. 230+00 SEE SHT. NO. 50J

220

225

S.R. 32

N 34° 02' 00" E

INV-1191.32

18" CMP (REMOVE)

INV-1191.09

INV-1190.88
36" CMP (RETAIN)
* HVE * HVE * HVE * HVE *

INV-1191.50

18" TUBE

24" TUBE

** TUBE ** TUBE ** TUBE ** TUBE **

OUT-18

OUT-19

OUT-20

OUT-21

NOTE:
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CLEARING & GRUBBING

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 217+00 TO STA. 230+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50J
CONST.	2015	HPP/STP-32(57)	50J

NOTE:
MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

NOTE:
CONTRACTOR TO USE ALL MEANS NECESSARY TO PREVENT ANY IMPACTS TO STR-7

ENGLISH CREEK
STR-6
STR-7
LAUREL BRANCH
235
240
MATCH LINE STA. 230+00 SEE SHT. NO. 50I
MATCH LINE STA. 243+00 SEE SHT. NO. 50K
S.R. 32
OUT-22
OUT-23
WWC-4
WELL
INV-1163.28
24" CMP (REMOVE)
INV-1211.17
INV-1212.00
INV-1221.39
18" CMP (REMOVE)
INV-1224.95
INV-1205.68
INV-1201.14
18" CMP (RETAIN)
18" TUBE
TUBE ** TUBE ** TUBE ** TUBE ** TUBE ** TUBE ** TUBE ** TUBE ** TUBE ** TUBE ** TUBE ** TUBE
SFB * SFB * SFB * SFB * SFB * SFB * SFB * SFB * SFB * SFB * SFB * SFB
HVF * HVF * HVF * HVF * HVF * HVF * HVF * HVF * HVF * HVF * HVF * HVF
INV-1151.85
INV-1151.58
INV-1151.69
RCBB

CLEARING & GRUBBING

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 106218
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 230+00 TO STA. 243+00

SCALE: 1"= 50'

10/15/2014
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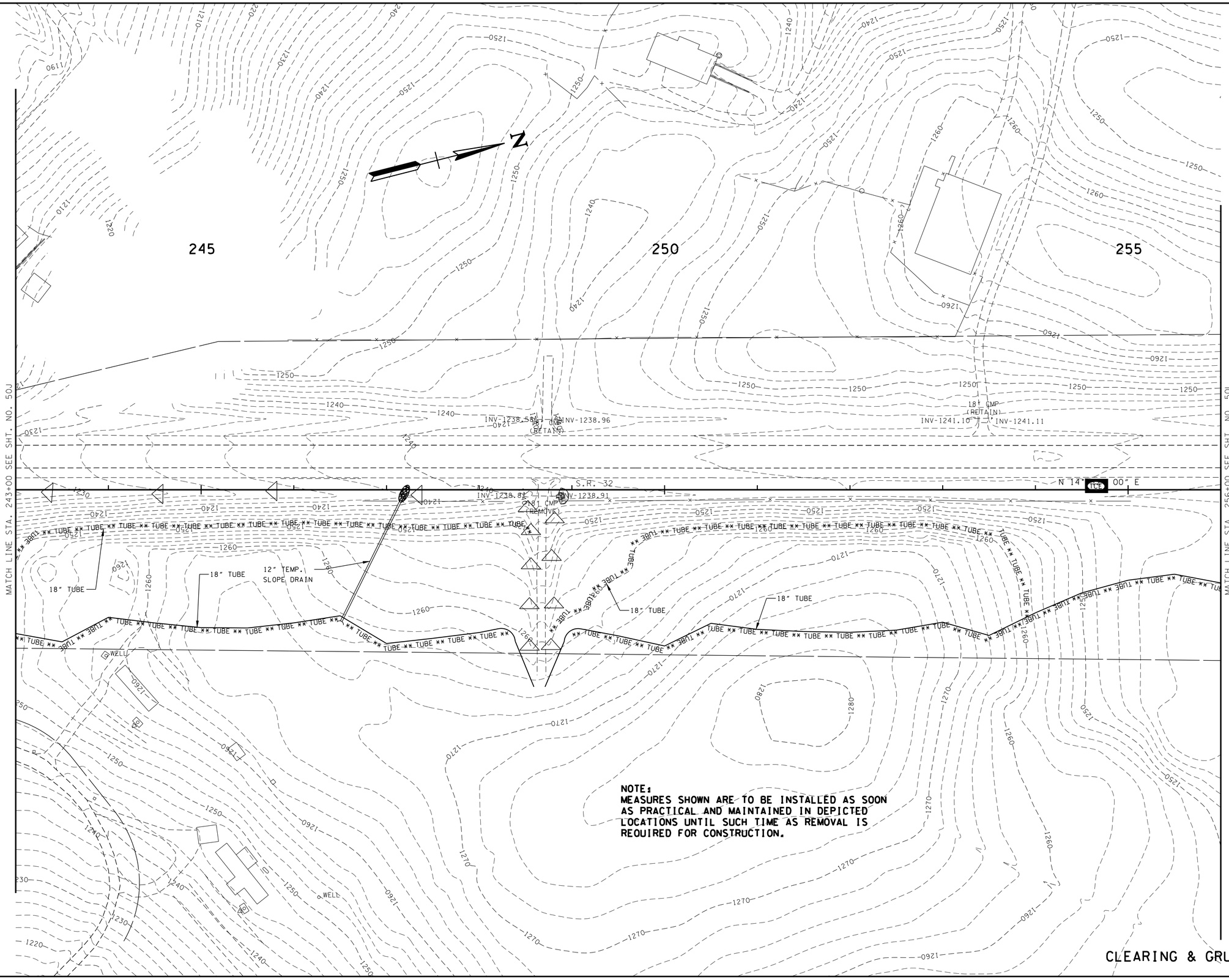
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50K
CONST.	2015	HPP/STP-32(57)	50K



CLEARING & GRUBBING

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
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COMMERCE
NO. 102128
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 243+00 TO STA. 256+00

SCALE: 1"= 50'

10/15/2014
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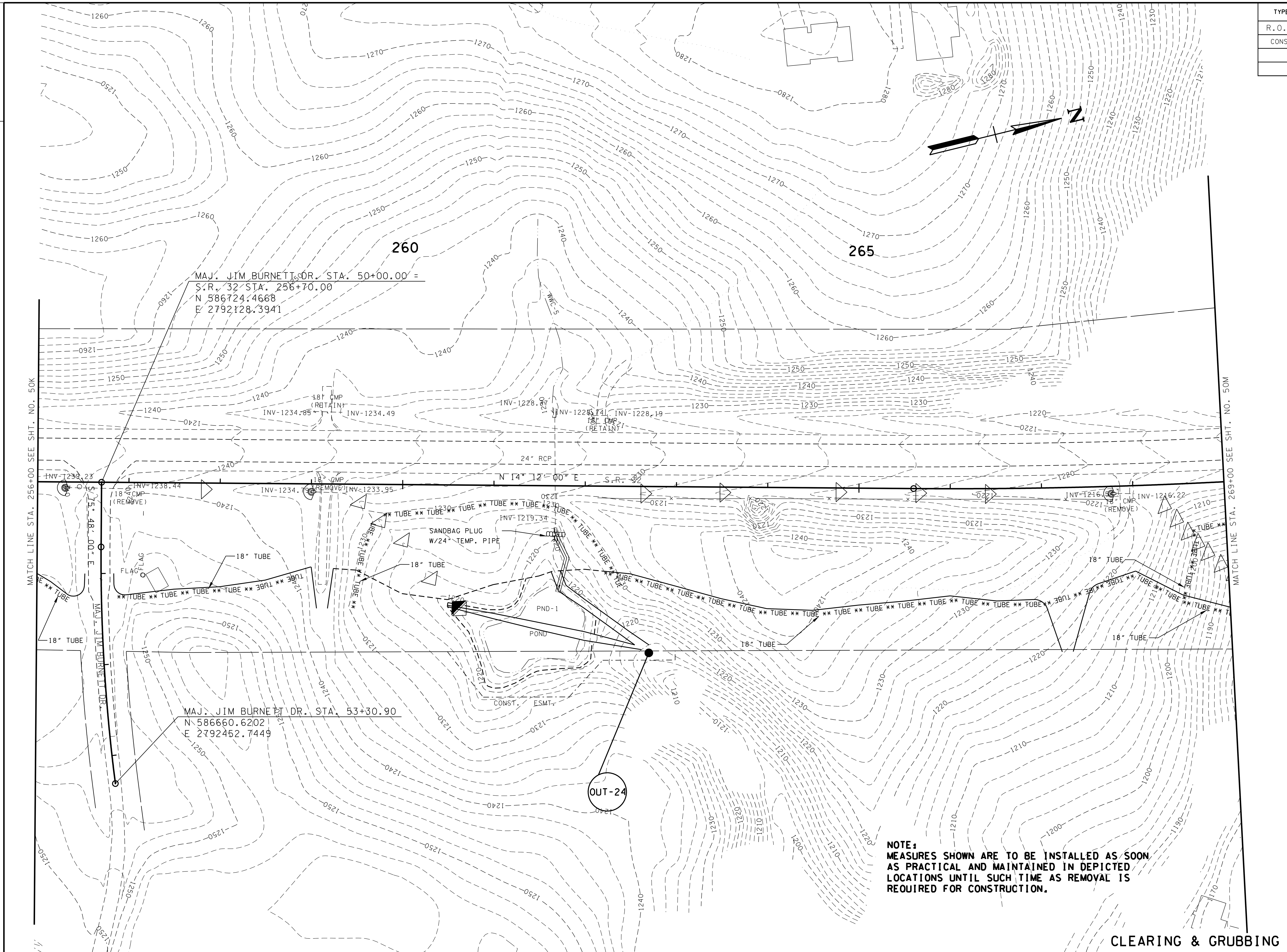
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50L
CONST.	2015	HPP/STP-32(57)	50L



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CLEARING & GRUBBING

UNOFFICIAL SET

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SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
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NO. 104219
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 256+00 TO STA. 269+00

SCALE: 1"= 50'

10/15/2014
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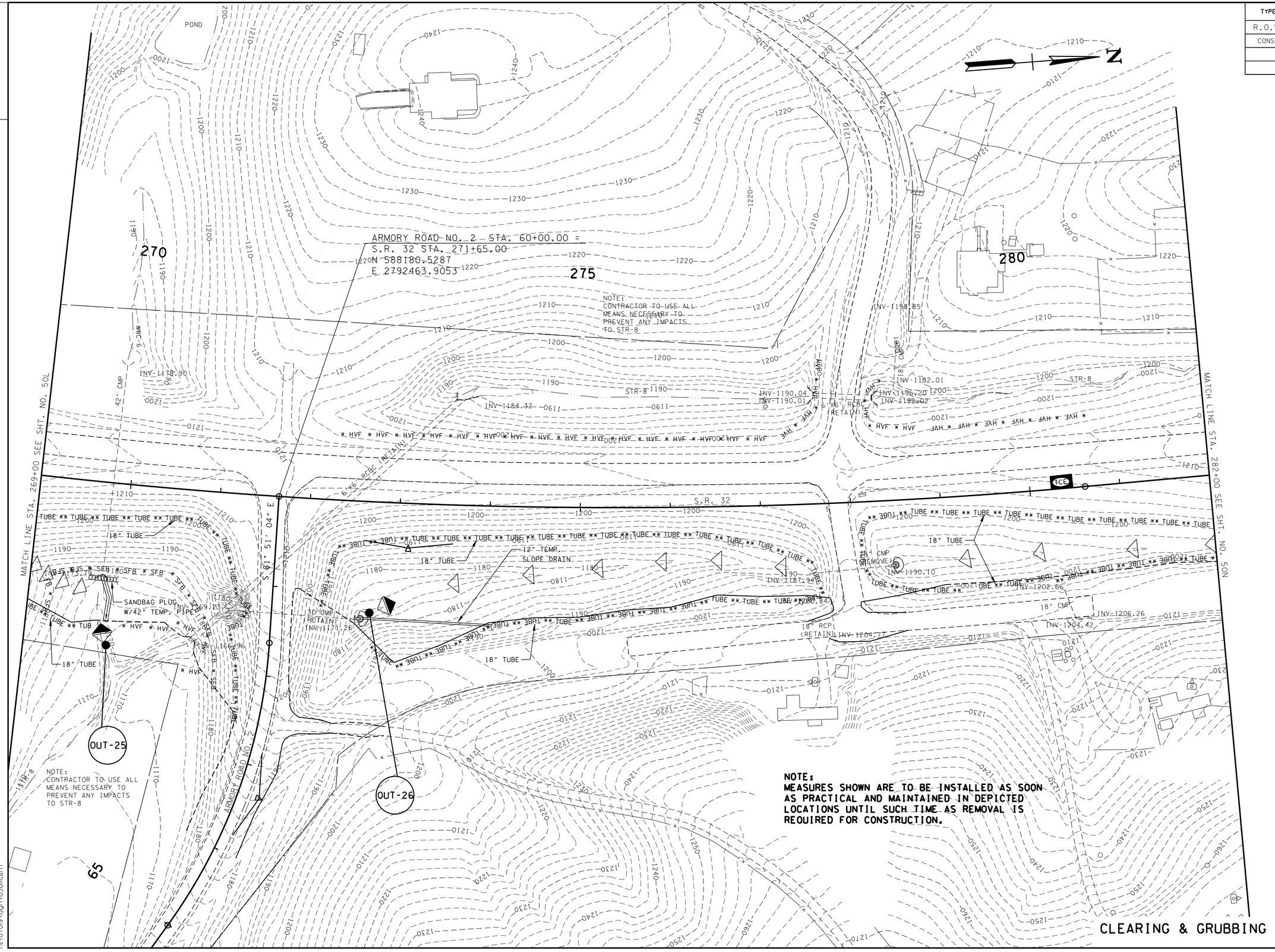
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50M
CONST.	2015	HPP/STP-32(57)	50M



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104019
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 269+00 TO STA. 282+00

SCALE: 1" = 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50N
CONST.	2015	HPP/STP-32(57)	50N

NOTE:
MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

N

285

290

NOTE:
CONTRACTOR TO USE ALL MEANS NECESSARY TO PREVENT ANY IMPACTS TO STR-8

STR-8

INV=1215.50

INV=1223.36

10' IDMP (RETAIN)

INV-1226.15

S.R. 32

N 0° 49' 00" W

INV-1230.43

18" CMP (REMOVE)

INV-1231.57

18" CMP (REMOVE)

INV-1216.94

18" CMP (REMOVE)

INV-1239.80

18" CMP (REMOVE)

INV-1237.04

12" TEMP. SLOPE DRAIN

INV-1205.65

INV-1199.33

18" TUBE

18" CMP (REMOVE)

INV-1205.38

INV-1210.39

INV-1221.50

18" CMP (REMOVE)

INV-1223.87

36" RCP

INV-1220.19

OUT-27

24" CMP (RETAIN)

INV-1238.85

INV-1246.50

INV-1241.29

INV-1246.42

18" CMP (REMOVE)

INV-1249.00

INV-1249.71

CONST. ESMT.

MATCH LINE STA. 282+00 SEE SHT. NO. 50M

MATCH LINE STA. 295+00 SEE SHT. NO. 50O

CLEARING & GRUBBING

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
COMMISSION NO. 109119
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 282+00 TO STA. 295+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	500
CONST.	2015	HPP/STP-32(57)	500

COSBY CUTOFF NO. 1 STA. 70+00.00 =
S.R. 32 STA. 299+47.68
N 590931.2955
E 2792691.0502

NOTE:
CONTRACTOR TO USE ALL MEANS NECESSARY TO PREVENT ANY IMPACTS TO STR-8

MATCH LINE STA. 295+00 SEE SHT. NO. 50N

MATCH LINE STA. 308+00 SEE SHT. NO. 50P

S.R. 32

N 31° 04' 50" E

S 60° 44' 00" E

COSBY CUTOFF NO. 1 N 64° 44' 30" E

COSBY CUTOFF NO. 1 STA. 76+62.30
N 590926.3688
E 2793298.2644

300

305

75

OUT-28

STR-8

INV-1240.17 (I)

INV-1253.80

INV-1260.24

INV-1259.77

INV-1257.89

INV-1265.94

INV-1266.05

INV-1248.50

INV-1257.50

INV-1272.89

INV-1262.07

24" TUBE

18" TUBE

WWC-7

NOTE:
MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

CLEARING & GRUBBING

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 295+00 TO STA. 308+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50P
CONST.	2015	HPP/STP-32(57)	50P

NOTE:
MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

310

315

320

MATCH LINE STA. 308+00 SEE SHT. NO. 500

MATCH LINE STA. 321+00 SEE SHT. NO. 500

S.R. 32

N 31° 04' 50" E

18" CMP (RETAIN) INV-1263.99

INV-1264.57

INV-1247.00

INV-1243.65

INV-1262.37

18" CMP INV-1262.23 (REMOVE)

INV-1221.96

INV-1255.29

INV-1293.73

INV-1304.16

18" PLASTIC INV-1305.83

INV-1288.94

18" PLASTIC (RETAIN)

18" TUBE

STR-9

PROP. R.O.W.

NEAREST GRAVEL SITE
316+03.38
232.73'

OUT-29A

OUT-29B

OUT-30

CEM

PND-2

POND

CLEARING & GRUBBING

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 308+00 TO STA. 321+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	500
CONST.	2015	HPP/STP-32(57)	500

NOTE:
MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

MATCH LINE STA. 321+00 SEE SHT. NO. 50P

MATCH LINE STA. 334+00 SEE SHT. NO. 50R

325

330

STR-9

OUT-31

OUT-32

INV-1255.00
24" CMP (RETAIN)

INV-1226.88

INV-1227.12

INV-1254.61

RCP

INV-1254.83

INV-1269.97

INV-1270.62
48" CMP (RETAIN)

INV-1270.67
18" CMP (REMOVE)

INV-1271.48

INV-1221.98

18" TUBE

12" TEMP. SLOPE DRAIN

SFB

PROP. R.O.W.

S.R. 32

N 2° 45' 59" E

CLEARING & GRUBBING

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 104210

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 321+00 TO STA. 334+00

SCALE: 1" = 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50R
CONST.	2015	HPP/STP-32(57)	50R

END PROJ. NO. HPP/STP-32(57) R.O.W.
STA. 342+50.00

335 340 345

POND

INV-1256.65

18" CMP (RETAIN)

INV-1311.28

INV-1311.58

INV-1298.56

INV-1299.00

INV-1296.91

INV-1298.38

18" CMP REMOVE

42" CMP

SANDBAG PLUG W/42" TEMP. PIPE

INV-1251.91

18" TUBE

24" TUBE

CONST. ESMT.

OUT-33

N 2° 45' 59" E

S.R. 32

TCE

MATCH LINE STA. 334+00 SEE SHT. NO. 50S

MATCH LINE STA. 347+00 SEE SHT. NO. 50S

NOTE:
MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

CLEARING & GRUBBING

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
No. 109119
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 334+00 TO STA. 347+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50S
CONST.	2015	HPP/STP-32(57)	50S

NOTE:
CONTRACTOR TO USE ALL MEANS NECESSARY TO PREVENT ANY IMPACTS TO PND-3

POND
PND-3

350

355

TOP-1339.05
INV-1335.38

TOP-1339.15
INV-1335.31

TOP-1322.60
INV-1316.35

TOP-1319.58
INV-1313.44

TOP-1308.19
INV-1301.94

WWC-10

WWC-11
INV-1288.35

INV-1311.03
15" CMP
(REMOVE/TUBE)

INV-1311.27

18" TUBE

24" TUBE

OUT-34

WELL

BLUE MOON RD.

S.R. 32

MATCH LINE STA. 347+00 SEE SHT. NO. 50R

MATCH LINE STA. 360+00 SEE SHT. NO. 50T

NOTE:
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CLEARING & GRUBBING

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104215
STATE OF TENNESSEE

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

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 347+00 TO STA. 360+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	50T
CONST.	2015	HPP/STP-32(57)	50T

END PROJ. NO. HPP/STP-32(57) CONST.
STA. 372+64.07

EPLEY ROAD STA. 80+00.00=
COSBY CUTOFF NO. 2 STA. 80+00.00
S.R. 32 STA. 361+66.33
N 596805.1628
E 2794284.6353

COSBY CUTOFF NO. 2 STA. 83+67.00
N 596608.4914
E 2794578.5540

OUT-35A
OUT-35B
OUT-35C
OUT-35D
OUT-35

365
370

S.R. 32

NOTE:
MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

CLEARING & GRUBBING

MATCH LINE STA. 360+00 SEE SHT. NO. 50S

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 260+00 TO END PROJ.

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51
CONST.	2015	HPP/STP-32(57)	51

NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.

N

BEGIN PROJ. NO. HPP/STP-32(57) CONST.
STA. 108+00.00
N 572604.63
E 2791948.40

S.R. 32 STA. 100+00.00
N 571806.0280
E 2791901.1864

100 105 110

COSBY CREEK

STR-1

EXISTING BRIDGE

FUTURE BRIDGE

STR-1

EXISTING PAVEMENT

S 3° 23' 00" W

N 3° 23' 00" E

12" SLOPE DRAIN

18" STUB

18" TUBE

SPCL. "V" CL. B RIP-RAP DT.

OUT-1

OUT-2

OUT-36

MATCH LINE STA. 113+00 SEE SHT. NO. 51A

CONSTRUCTION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 104013
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00010 AND TIED TO THE TDRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

BEGIN PROJ. TO STA. 113+00

SCALE: 1"= 50'

10/15/2014
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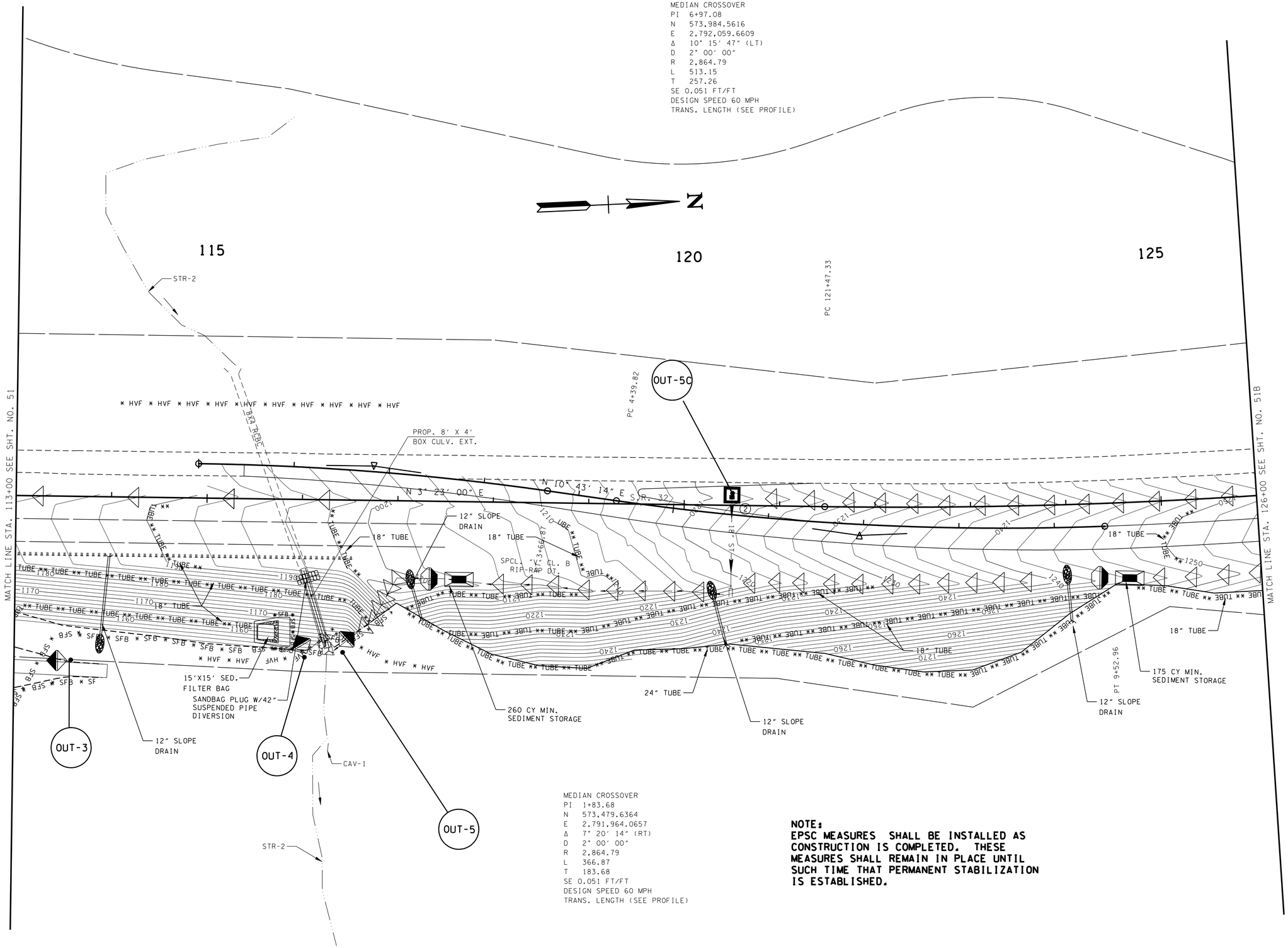
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51A
CONST.	2015	HPP/STP-32(57)	51A

MEDIAN CROSSOVER
PI 6+97.08
N 573,984.5616
E 2,792,059.6609
Δ 10° 15′ 47″ (LT)
D 2° 00′ 00″
R 2,864.79
L 513.15
T 257.26
SE 0.051 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH (SEE PROFILE)



MEDIAN CROSSOVER
PI 1+83.68
N 573,479.6364
E 2,791,964.0657
Δ 7° 20′ 14″ (RT)
D 2° 00′ 00″
R 2,864.79
L 366.87
T 183.68
SE 0.051 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH (SEE PROFILE)

NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.

CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 113+00 TO STA. 126+00
SCALE: 1"= 50′

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51B
CONST.	2015	HPP/STP-32(57)	51B

NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.

N

130

135

MATCH LINE STA. 126+00 SEE SHT. NO. 51A

MATCH LINE STA. 139+00 SEE SHT. NO. 51C

REBEL RD. STA. 10+00.00 =
S.R. 32 STA. 133+00.92
N 575100.2607
E 2791979.9959

18" RCP

OUT-5B

OUT-5A

S.R. 32

N 83° 13' 31" E

18" TUBE

SPCL. "V" CL. B RIP-RAP DT.

SPCL. "V" SDD DT.

12" SLOPE DRAIN

SANDBAG PLUG W/18" TEMP. PIPE

TCE

125 CY MIN. SEDIMENT STORAGE

15

SNK-1

S 17° 56' 09" E

REBEL ROAD

S 59° 09' 33" E

S 48° 42' 55" E

REBEL RD. STA. 17+22.41
N 574651.8027
E 2792446.1842

CONSTRUCTION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 19013
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 126+00 TO STA. 139+00

SCALE: 1"= 50'

10/15/2014
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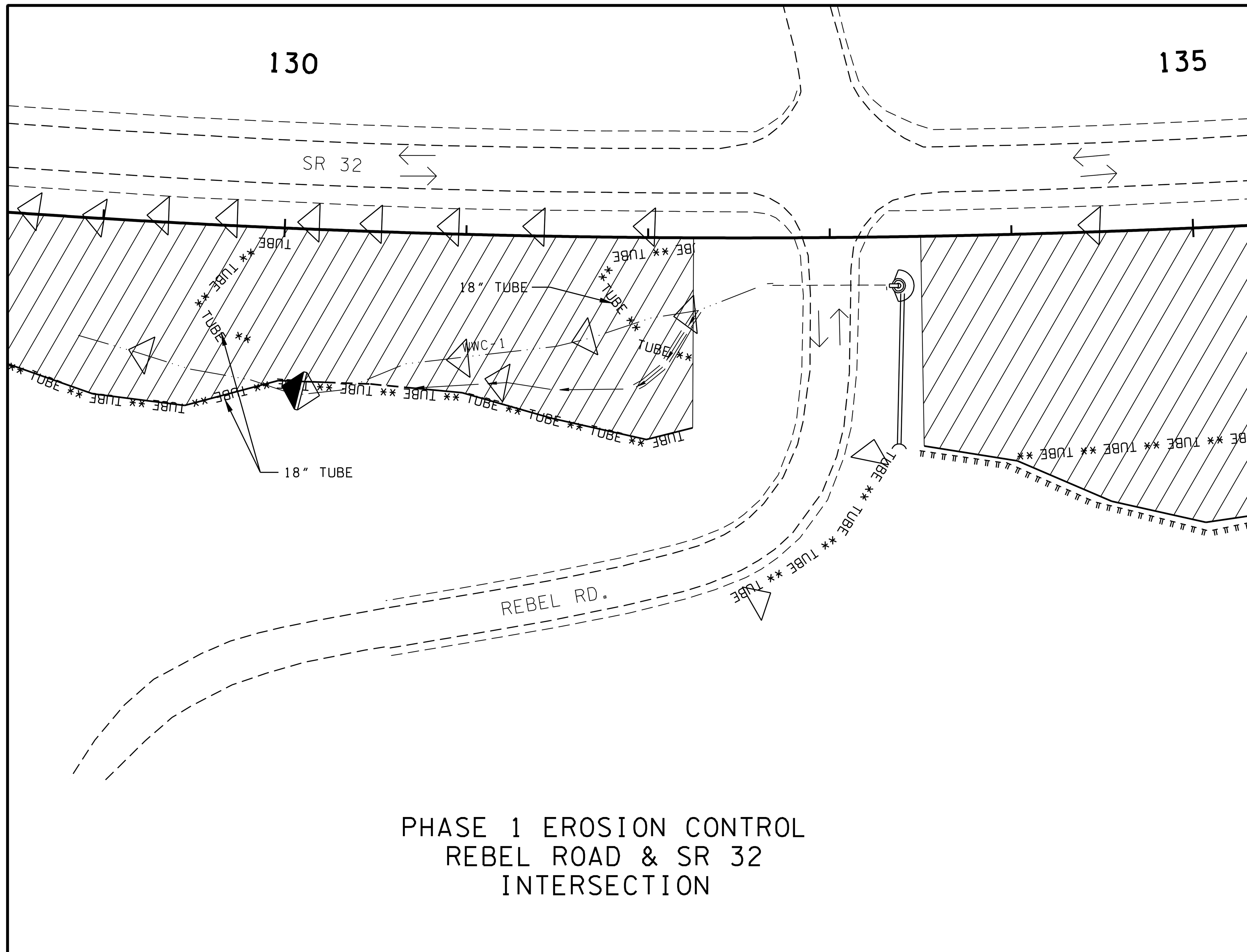
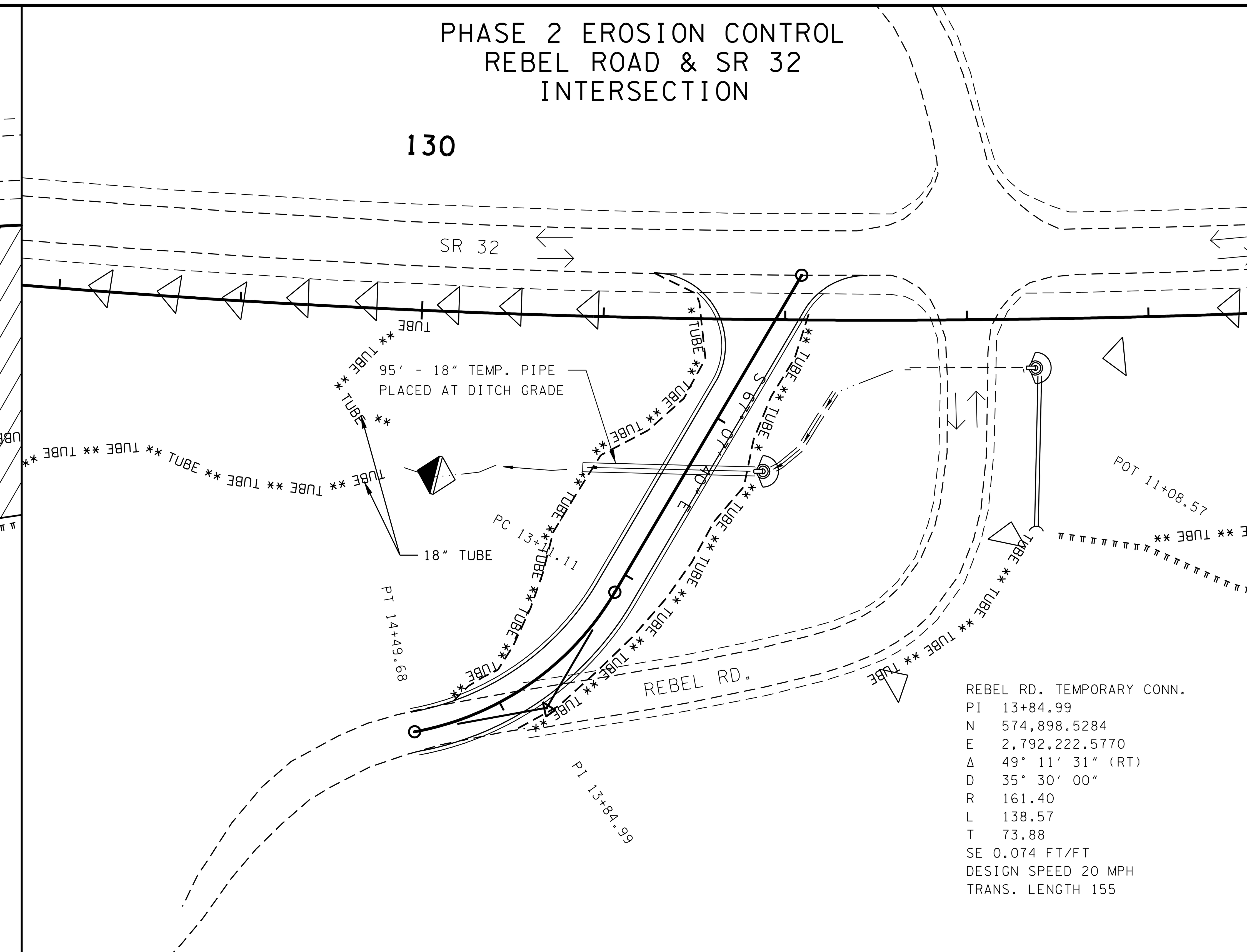
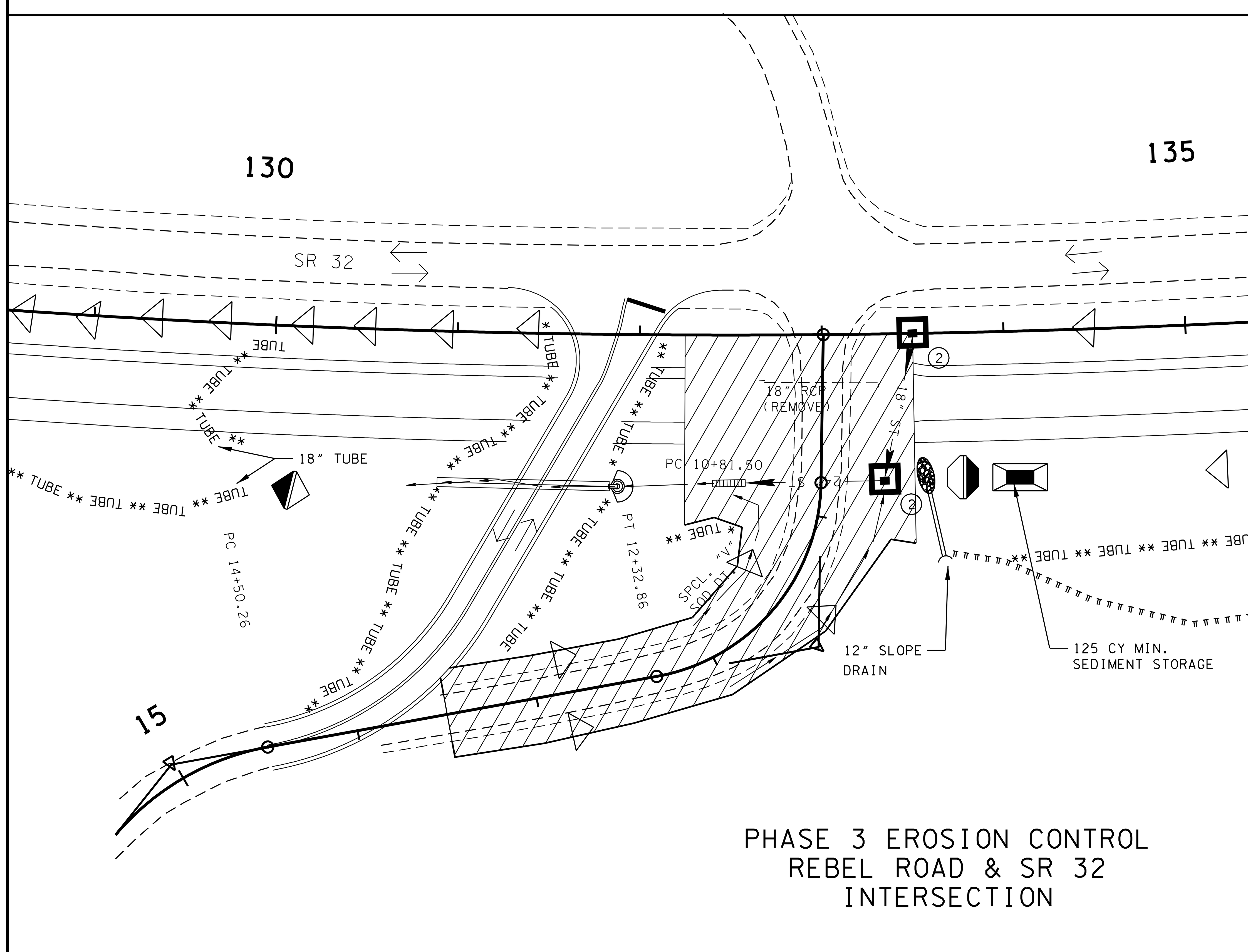
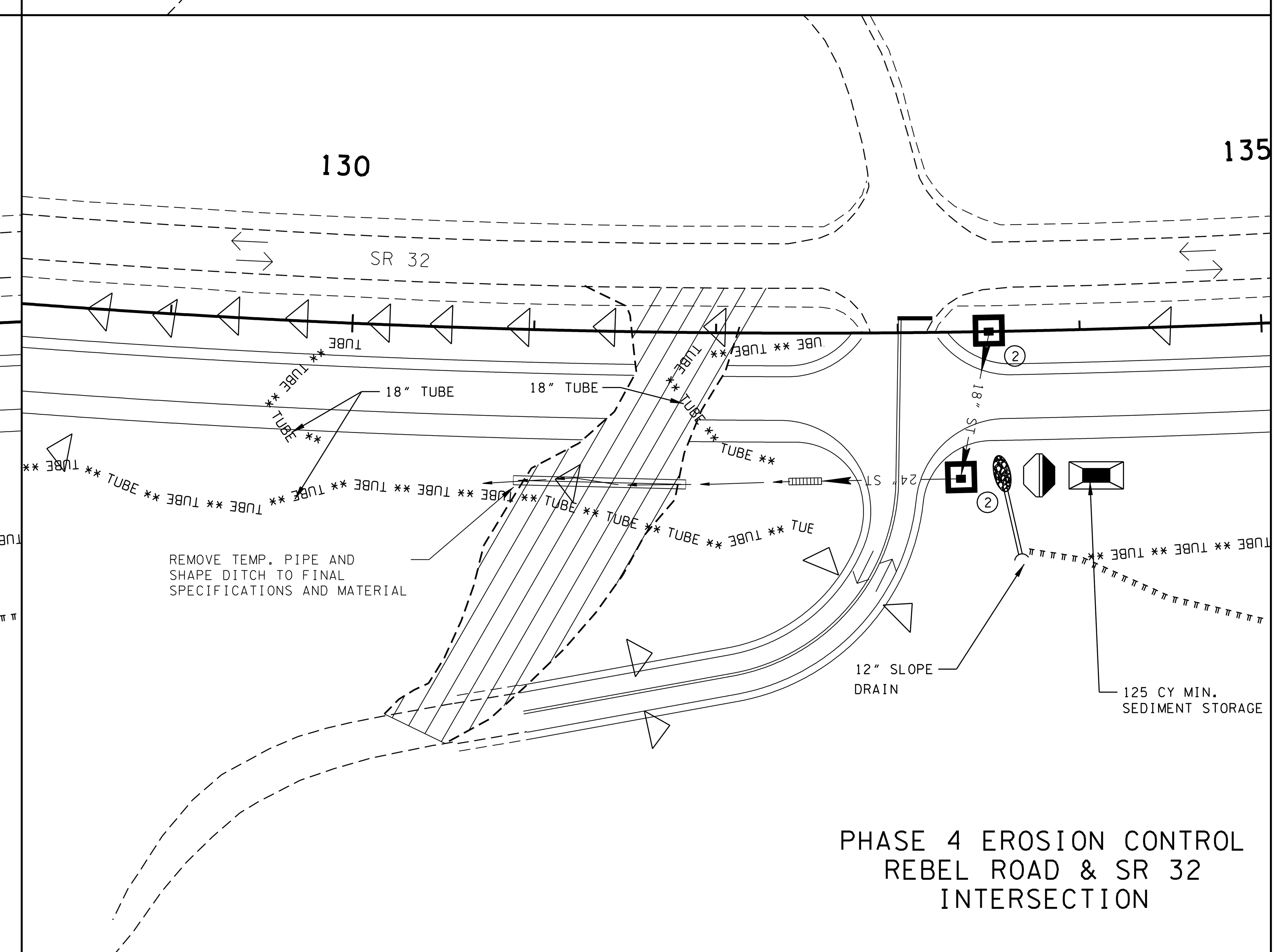
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	51B1









UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter — REGISTERED ENGINEER — AGRICULTURE — COMMERCE — NO. 104219 — STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN REBEL ROAD

PHASES 1 THRU 4

SCALE: 1"= 50'

10/15/2014
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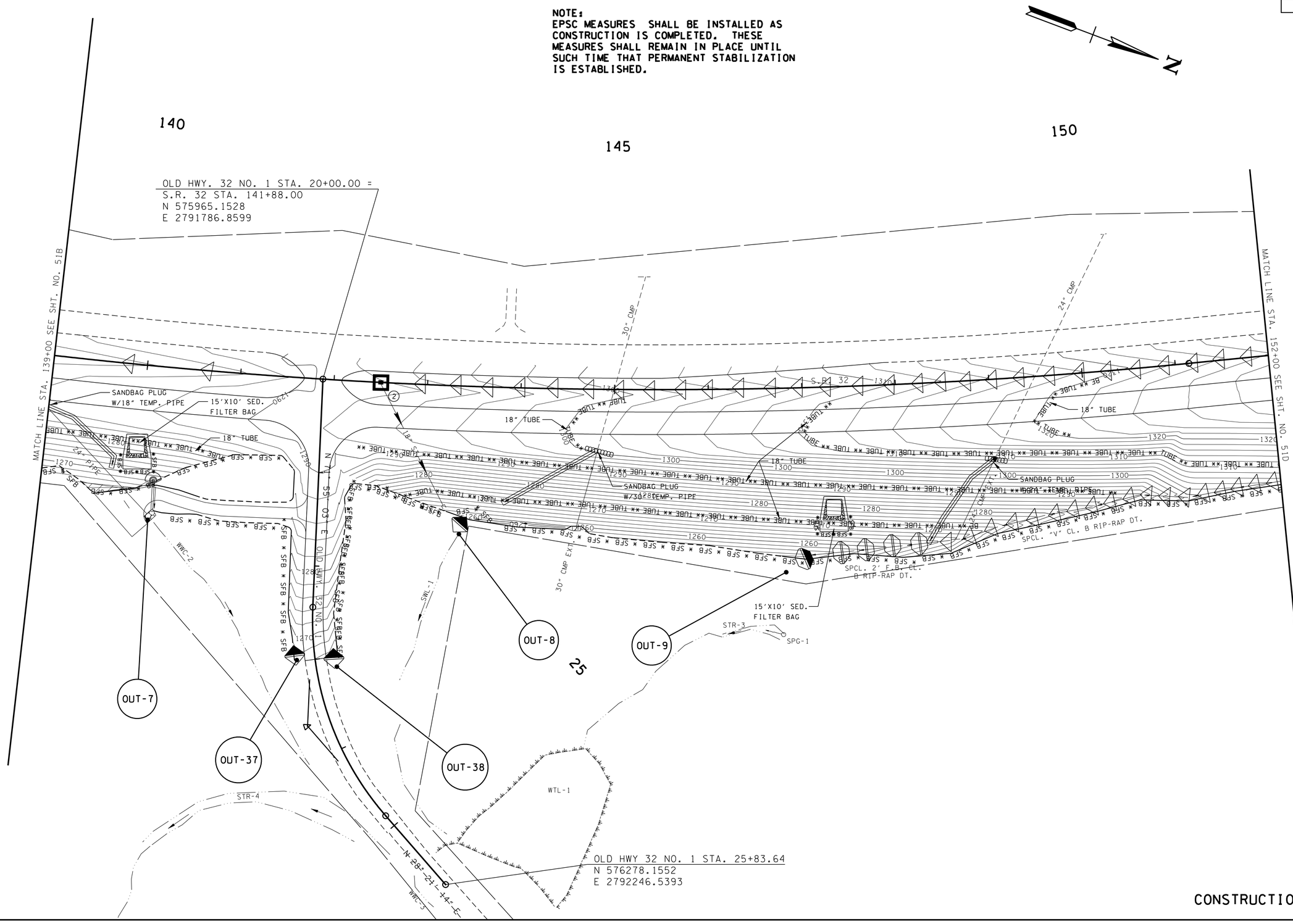
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51C
CONST.	2015	HPP/STP-32(57)	51C

NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.



CONSTRUCTION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 139+00 TO STA. 152+00

SCALE: 1"= 50'

10/15/2014
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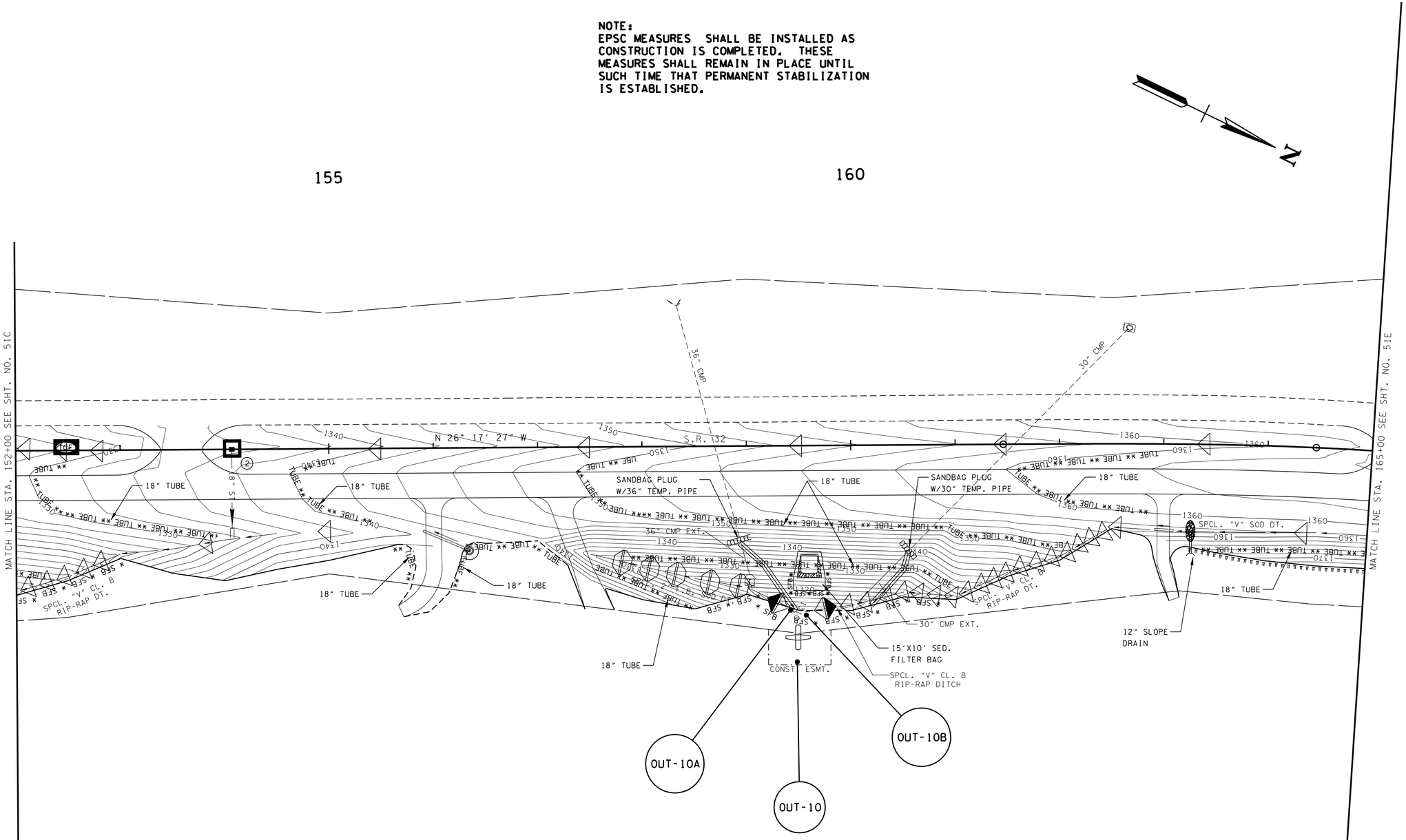
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51D
CONST.	2015	HPP/STP-32(57)	51D

NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.



CONSTRUCTION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 104210
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 152+00 TO STA. 165+00

SCALE: 1"= 50'

10/15/2014
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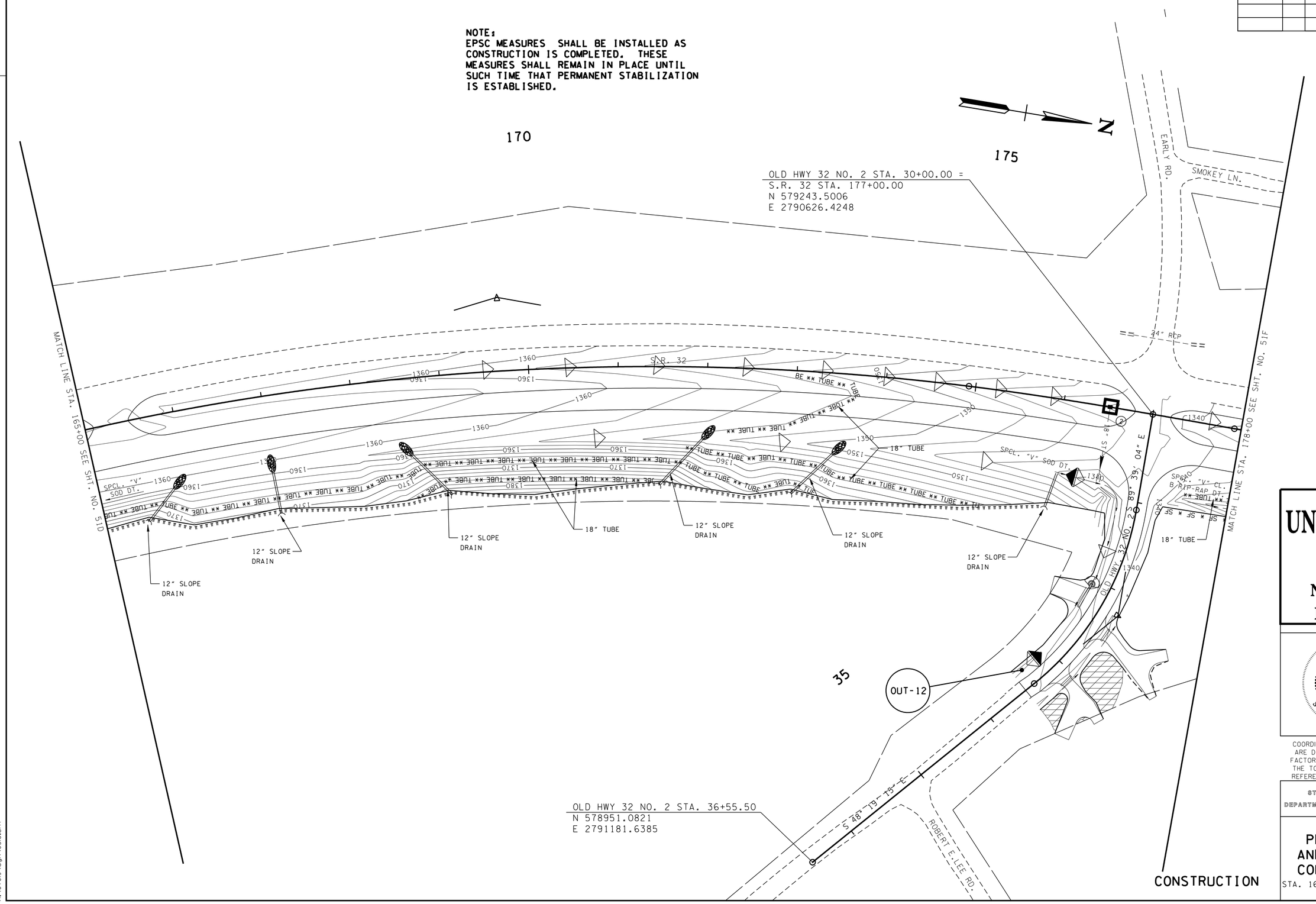
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51E
CONST.	2015	HPP/STP-32(57)	51E

NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 165+00 TO STA. 178+00

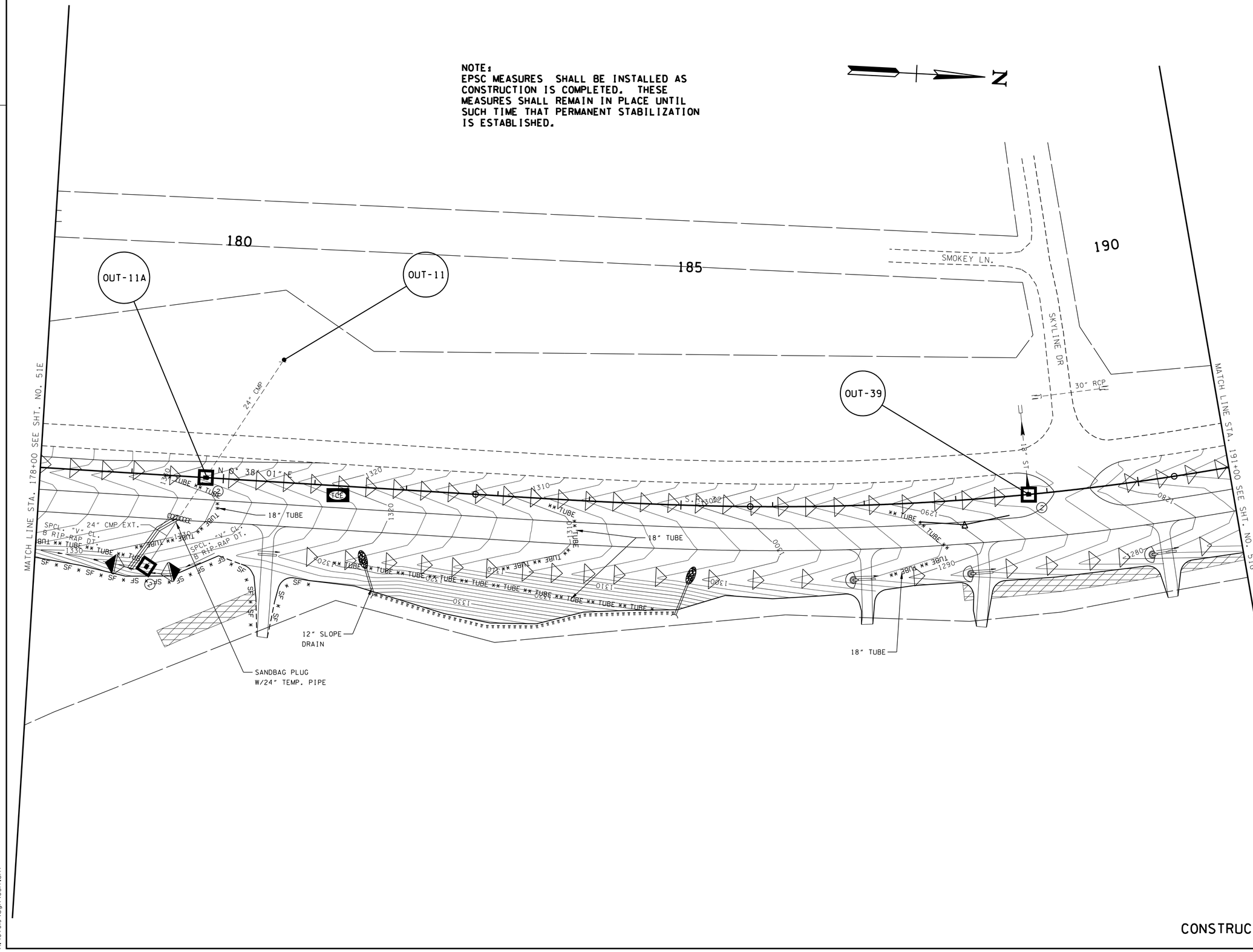
SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\05le.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51F
CONST.	2015	HPP/STP-32(57)	51F

NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 178+00 TO STA. 191+00

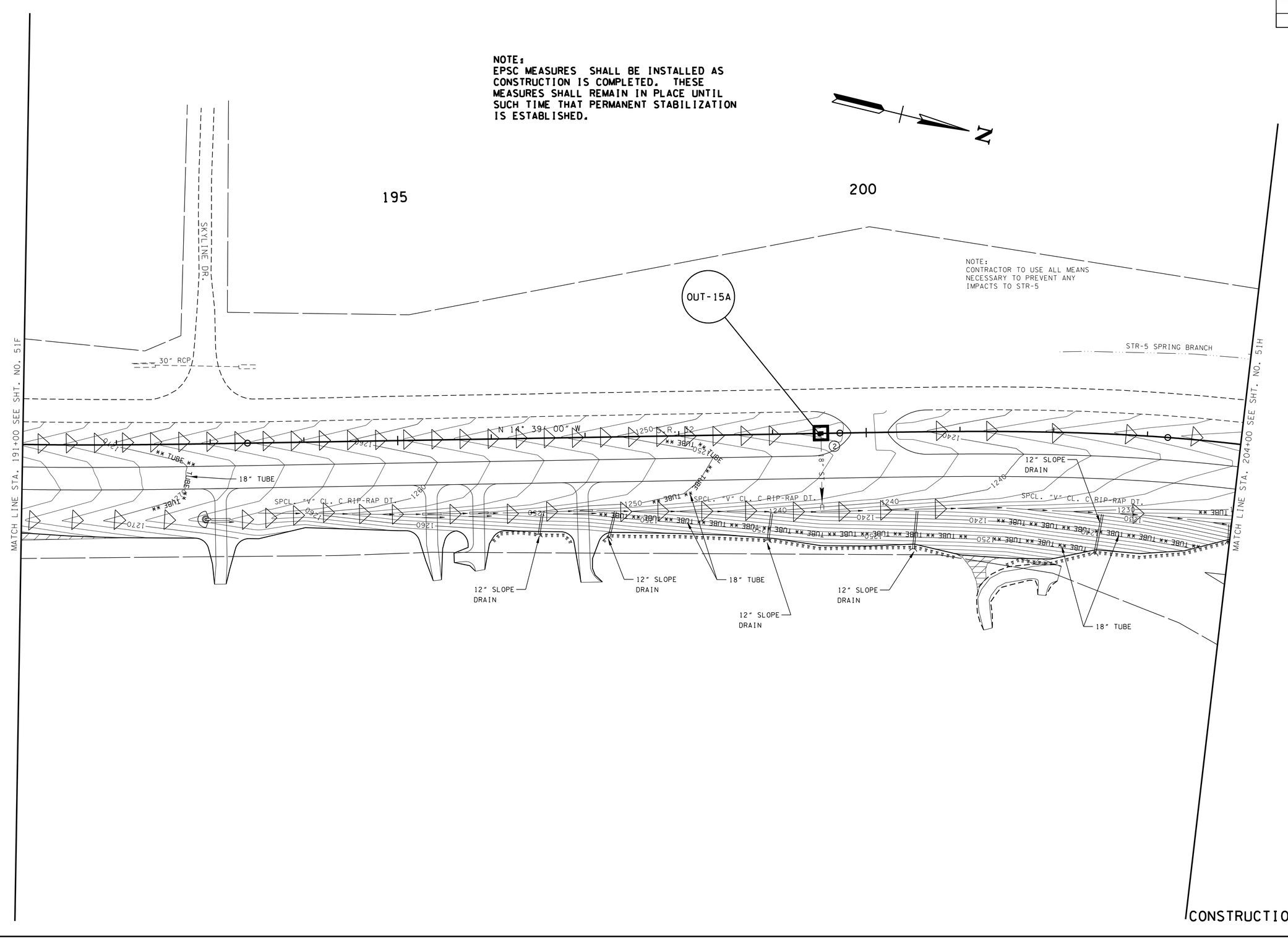
SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\05lf.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51G
CONST.	2015	HPP/STP-32(57)	51G

NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 108218
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

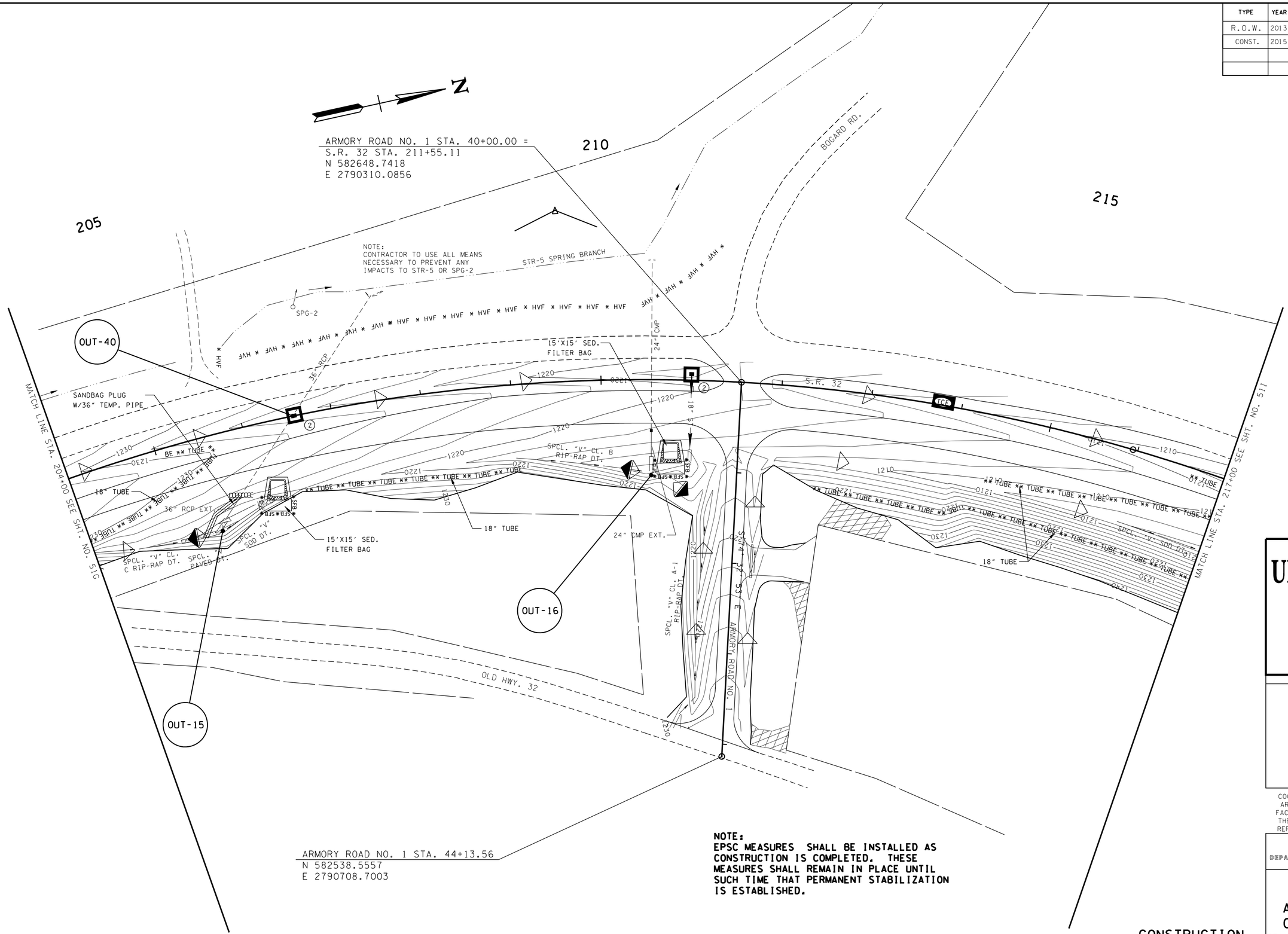
STA. 191+00 TO STA. 204+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\05lg.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51H
CONST.	2015	HPP/STP-32(57)	51H



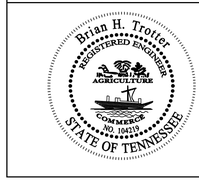
NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.

CONSTRUCTION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00010 AND TIED TO THE TDRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 204+00 TO STA. 217+00

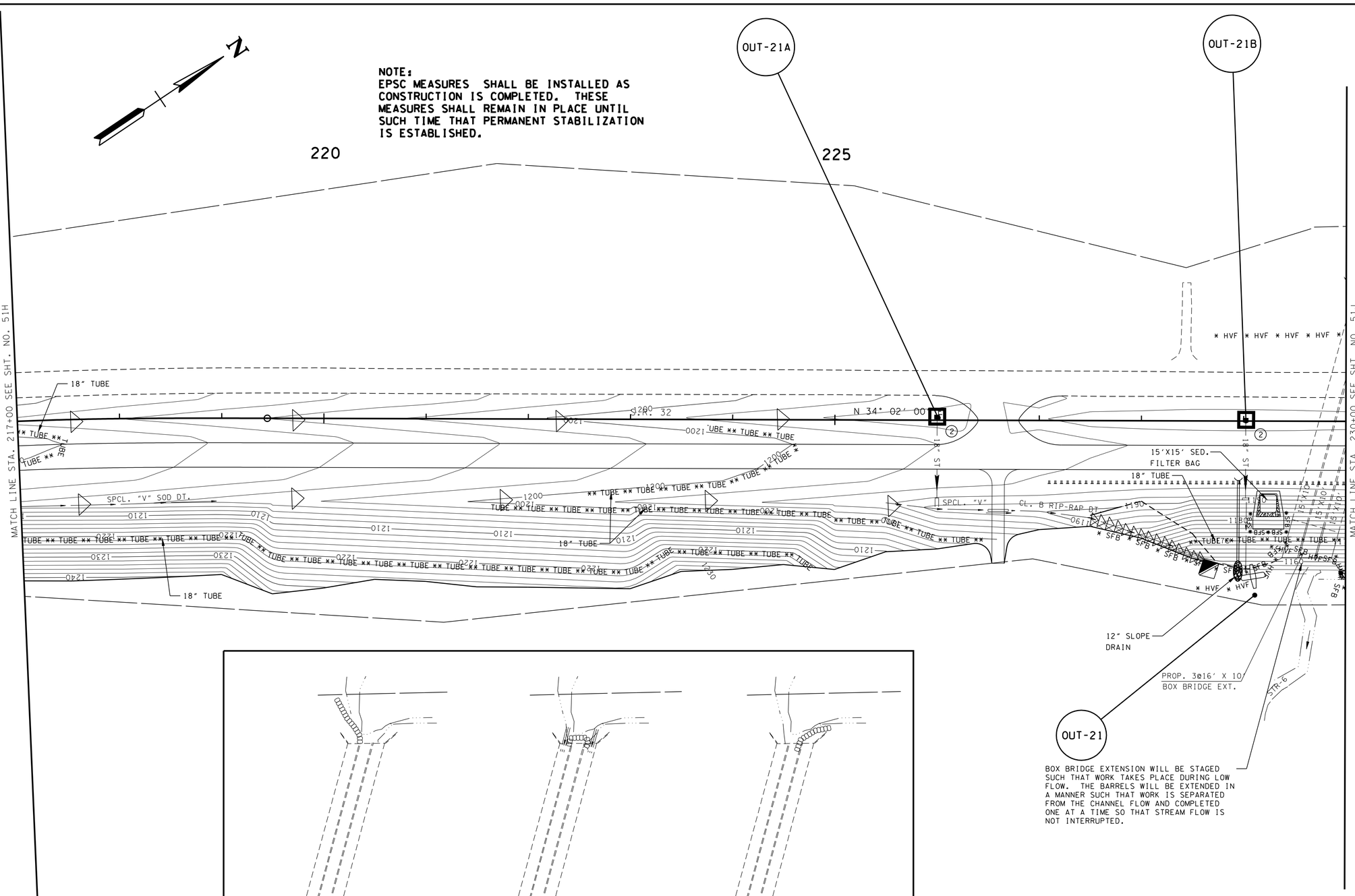
SCALE: 1"= 50'

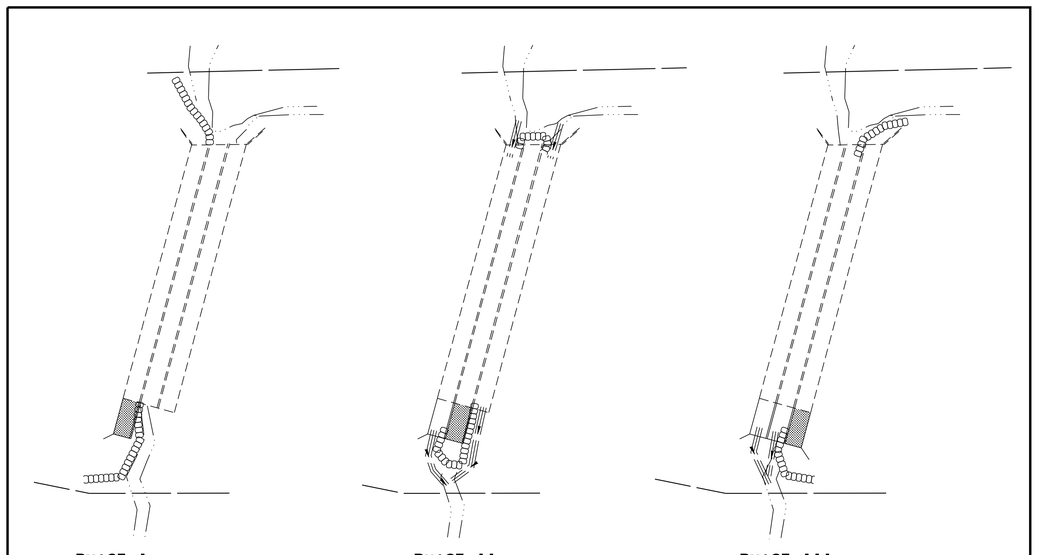
10/15/2014
h:\07019\dgn\05ih.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51I
CONST.	2015	HPP/STP-32(57)	51I

NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.





ENGLISH CREEK BOX BRIDGE EXTENSION

CONSTRUCTION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
No. 104213
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 217+00 TO STA. 230+00

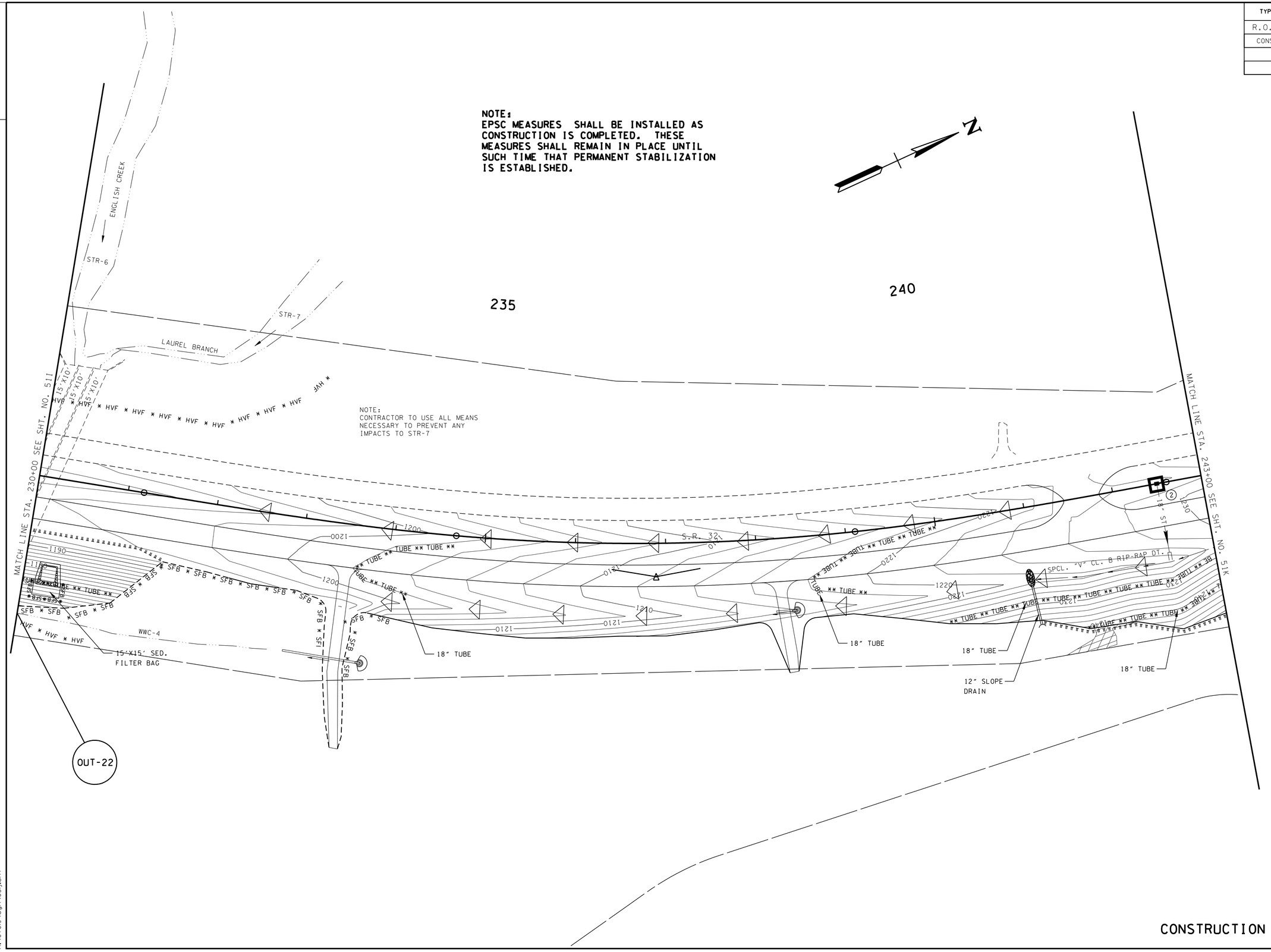
SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\05li.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51J
CONST.	2015	HPP/STP-32(57)	51J

NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 230+00 TO STA. 243+00

SCALE: 1"= 50'

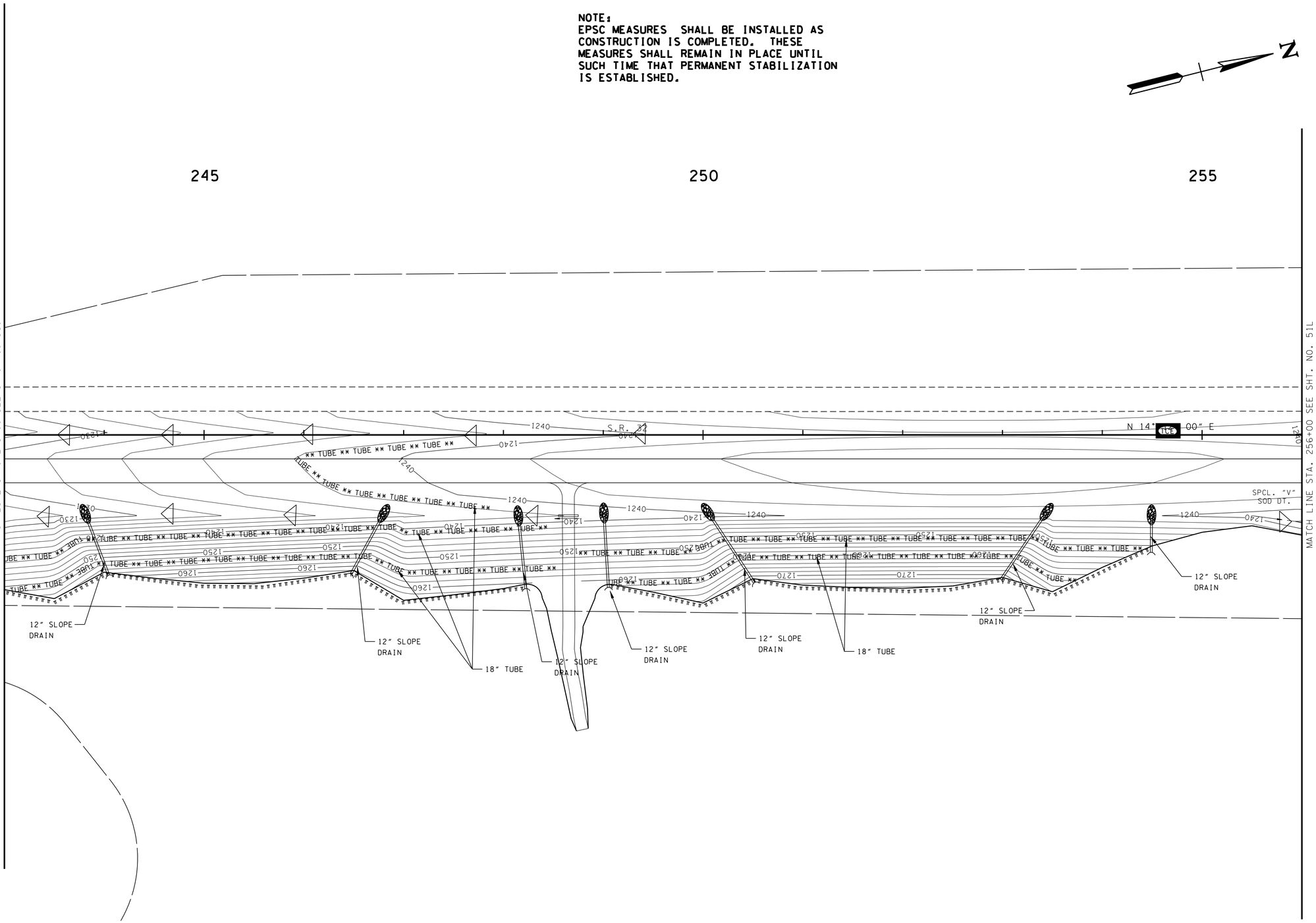
CONSTRUCTION

10/15/2014
h:\07019\dgn\05ljsht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51K
CONST.	2015	HPP/STP-32(57)	51K

NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.



CONSTRUCTION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 109118
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 243+00 TO STA. 256+00

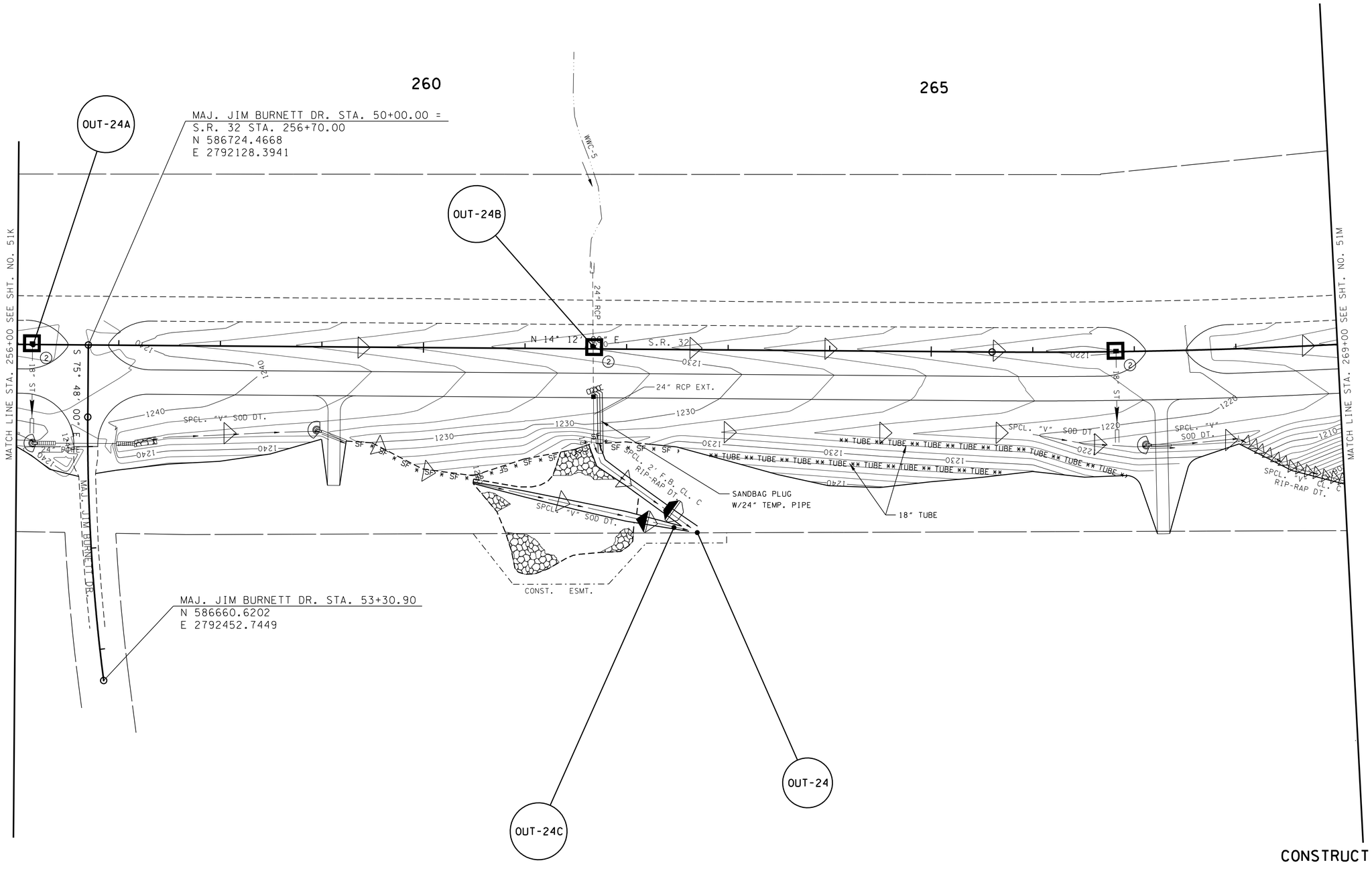
SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\05lk.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51L
CONST.	2015	HPP/STP-32(57)	51L

NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.



CONSTRUCTION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter REGISTERED ENGINEER DEPT. OF AGRICULTURE COMMERCE NO. 104219 STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

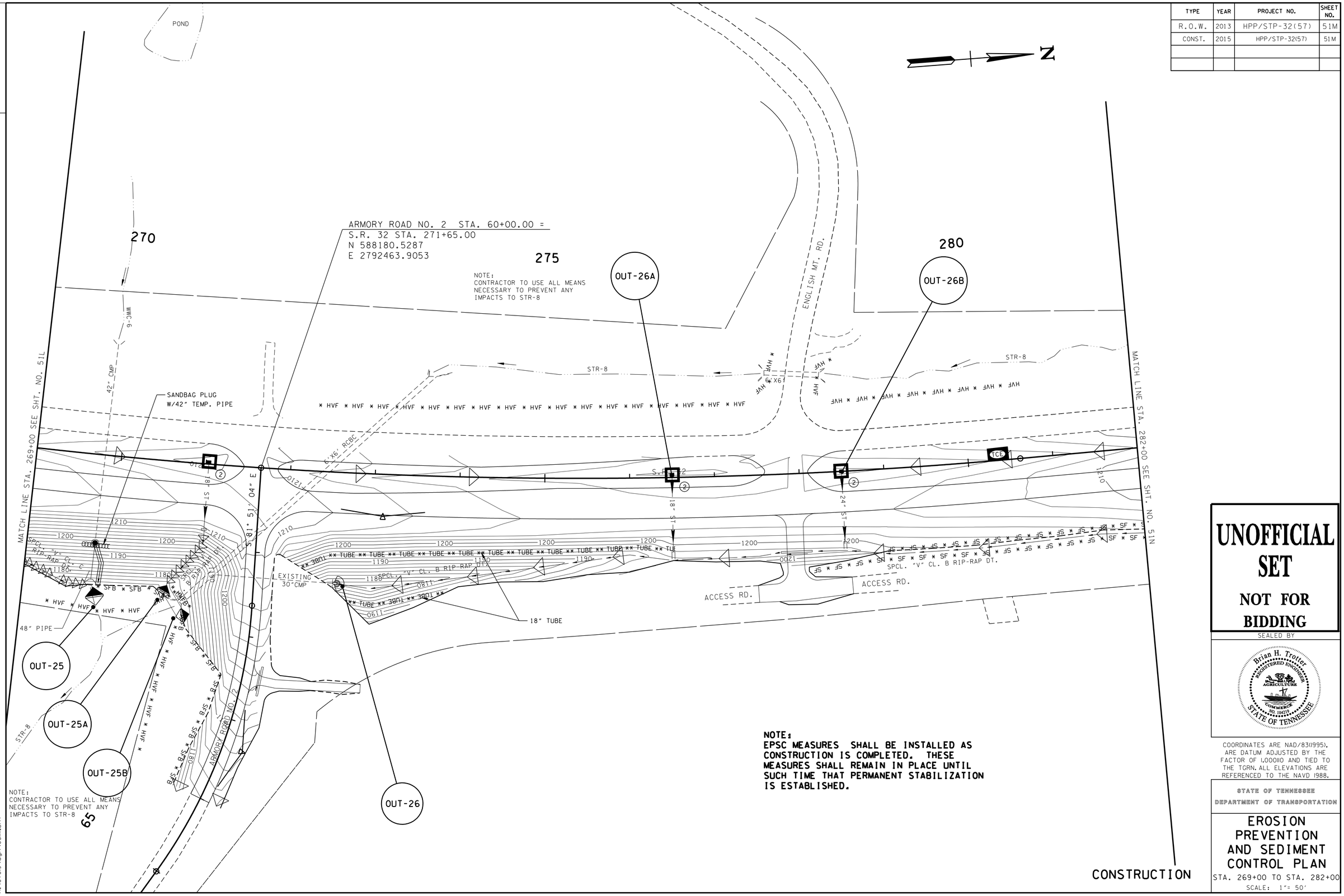
STA. 256+00 TO STA. 269+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\05ll.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51M
CONST.	2015	HPP/STP-32(57)	51M



NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE
COMMERCE
NO. 109119
AGRICULTURE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

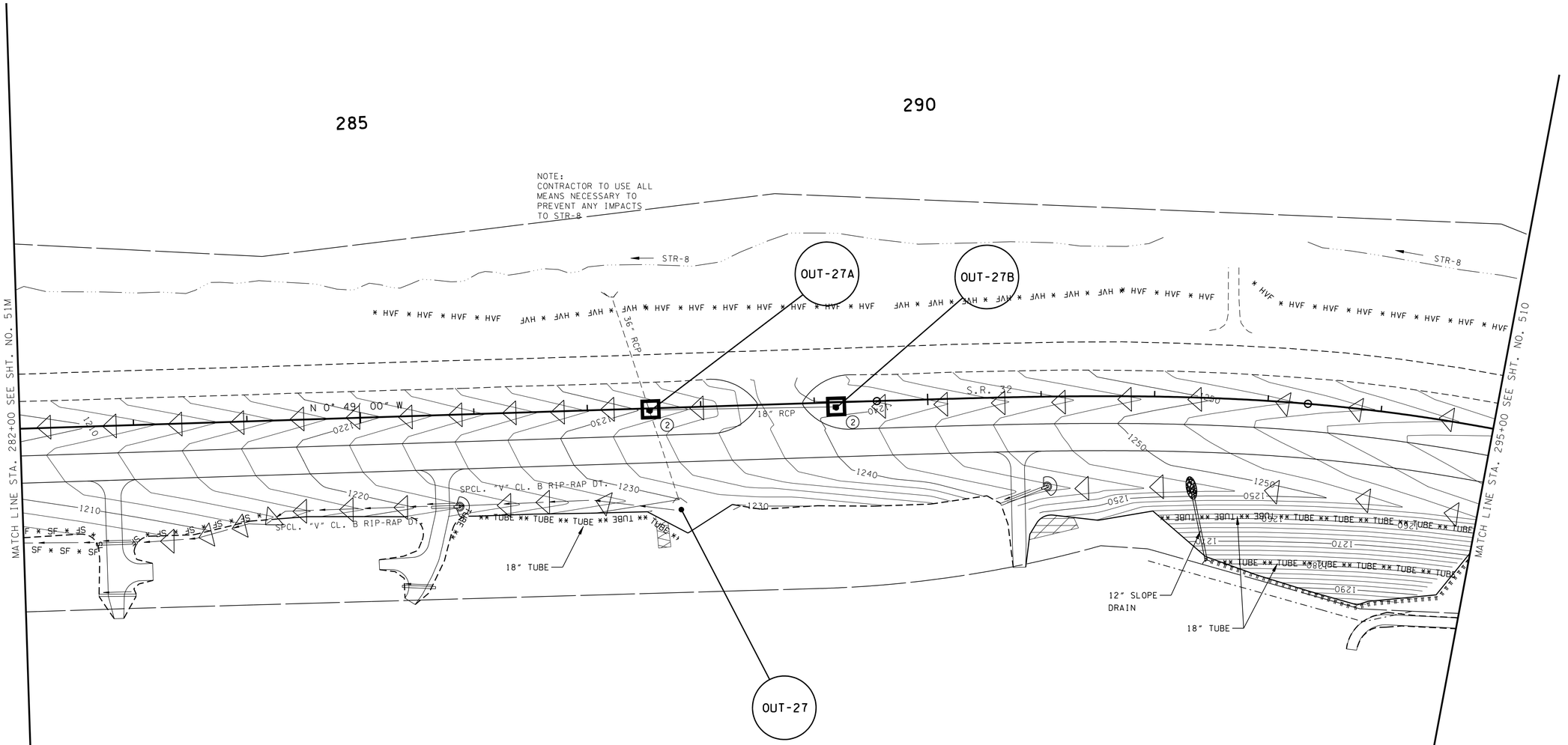
STA. 269+00 TO STA. 282+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\05lm.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51N
CONST.	2015	HPP/STP-32(57)	51N



NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.

CONSTRUCTION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 109119
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

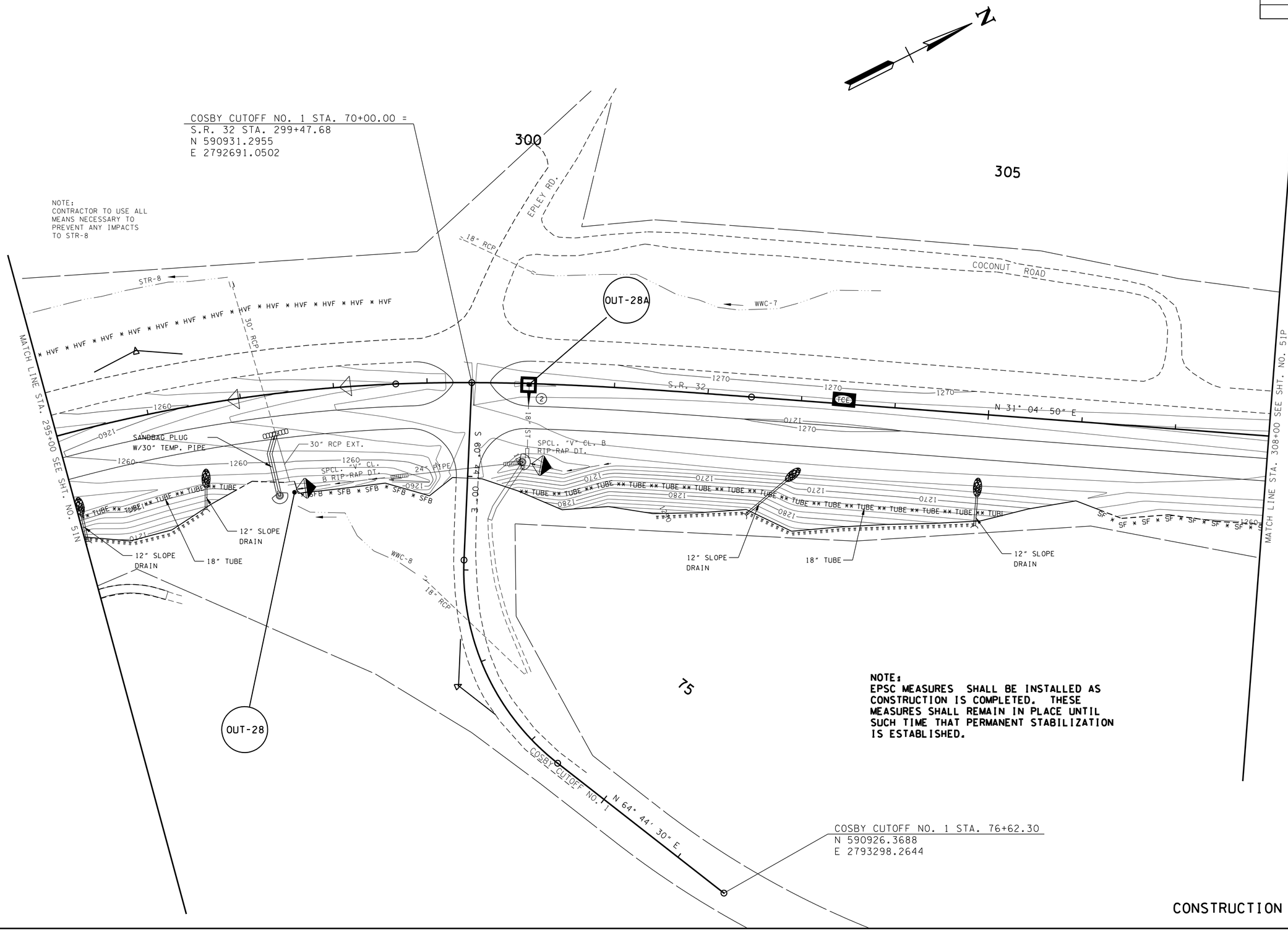
STA. 282+00 TO STA. 295+00

SCALE: 1"= 50'

10/15/2014
n:\07019\dgn\05in.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	510
CONST.	2015	HPP/STP-32(57)	510



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104019
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

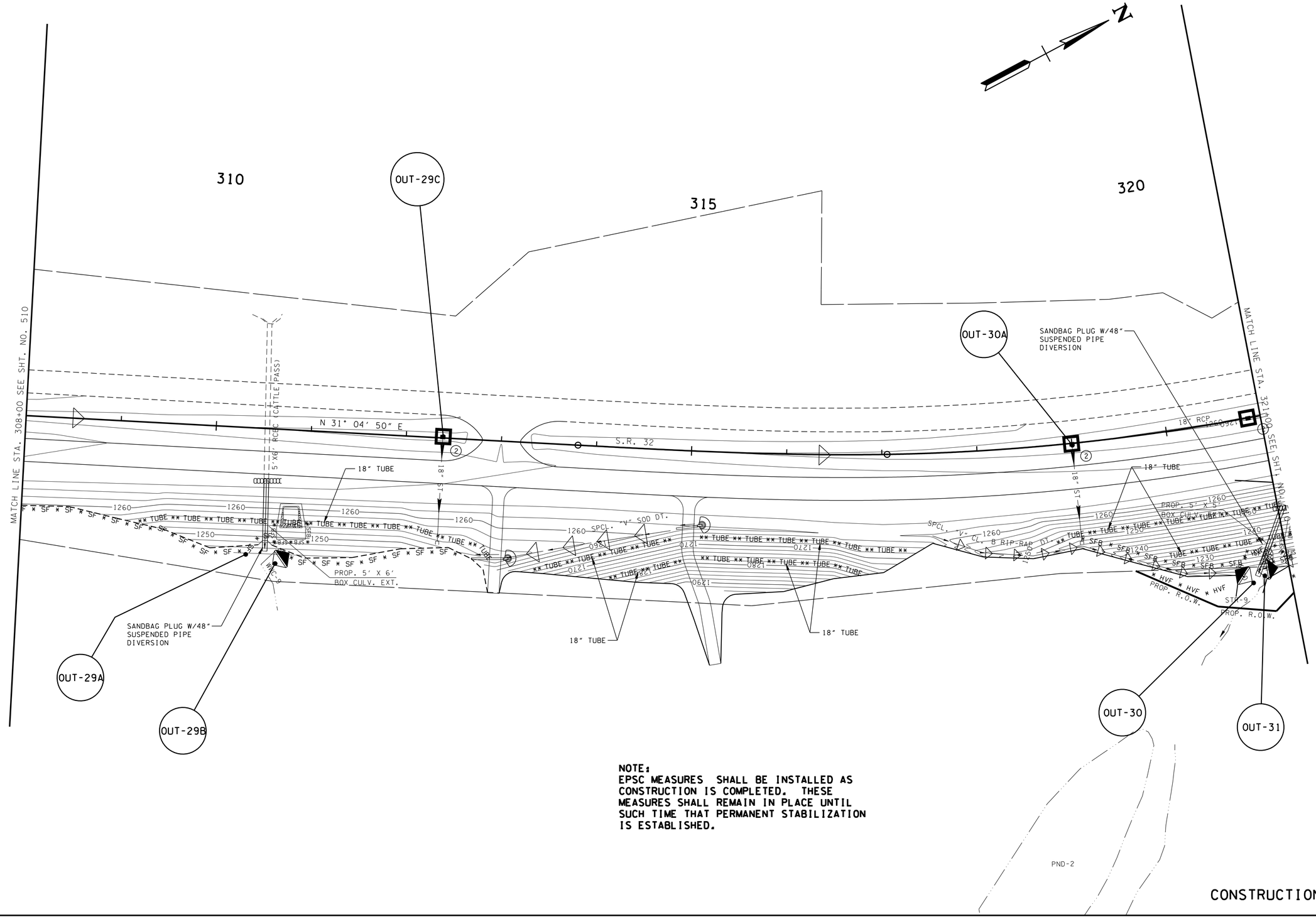
STA. 295+00 TO STA. 308+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\05lo.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51P
CONST.	2015	HPP/STP-32(57)	51P



NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.

CONSTRUCTION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104210
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00010 AND TIED TO THE TCRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

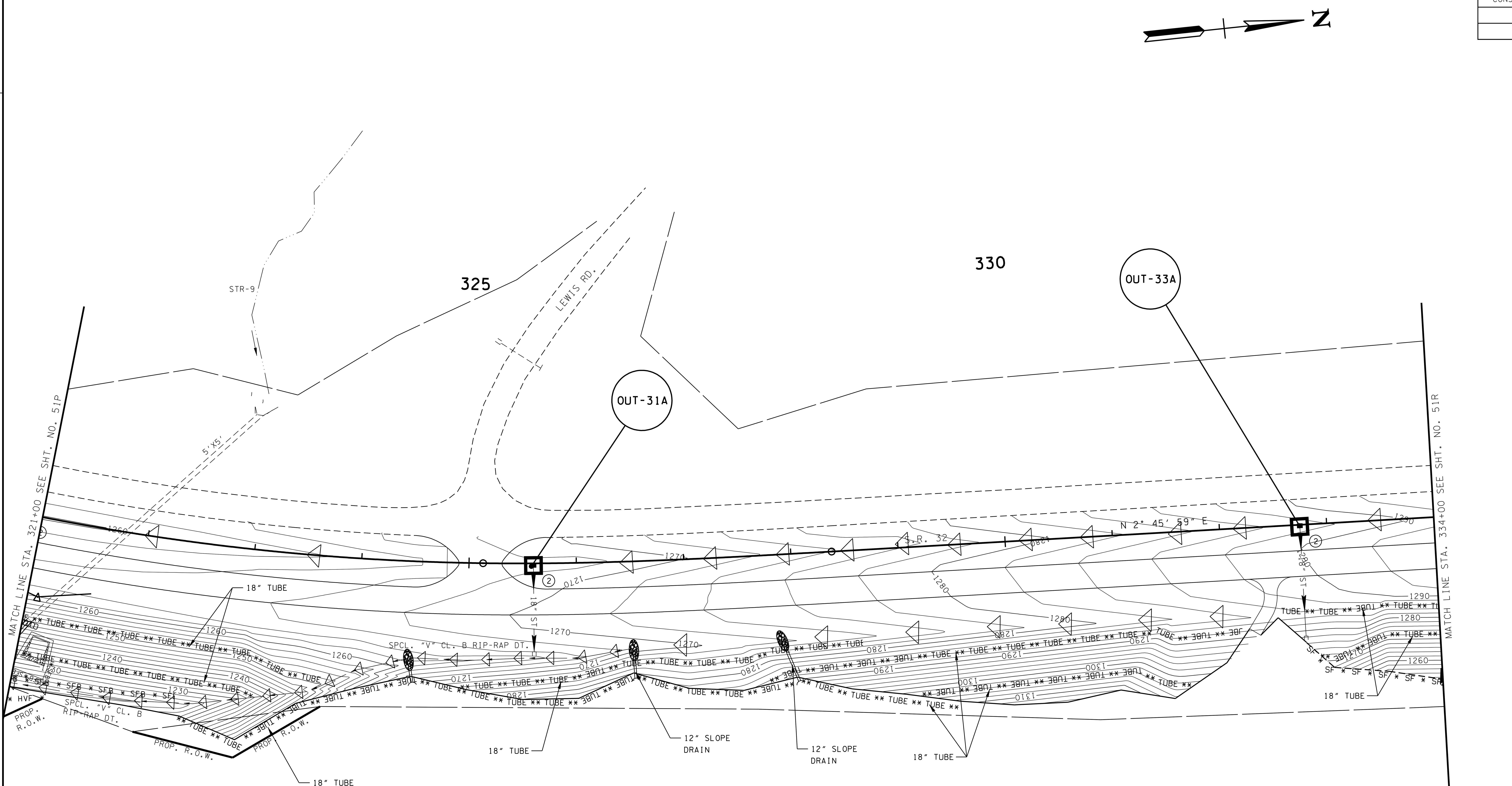
STA. 308+00 TO STA. 321+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\05lp.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51Q
CONST.	2015	HPP/STP-32(57)	51Q



NOTE:
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UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE COMMERCE
NO. 104219
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 321+00 TO STA. 334+00

SCALE: 1"= 50'

CONSTRUCTION

10/15/2014
h:\07019\dgn\051q.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51R
CONST.	2015	HPP/STP-32(57)	51R

POND

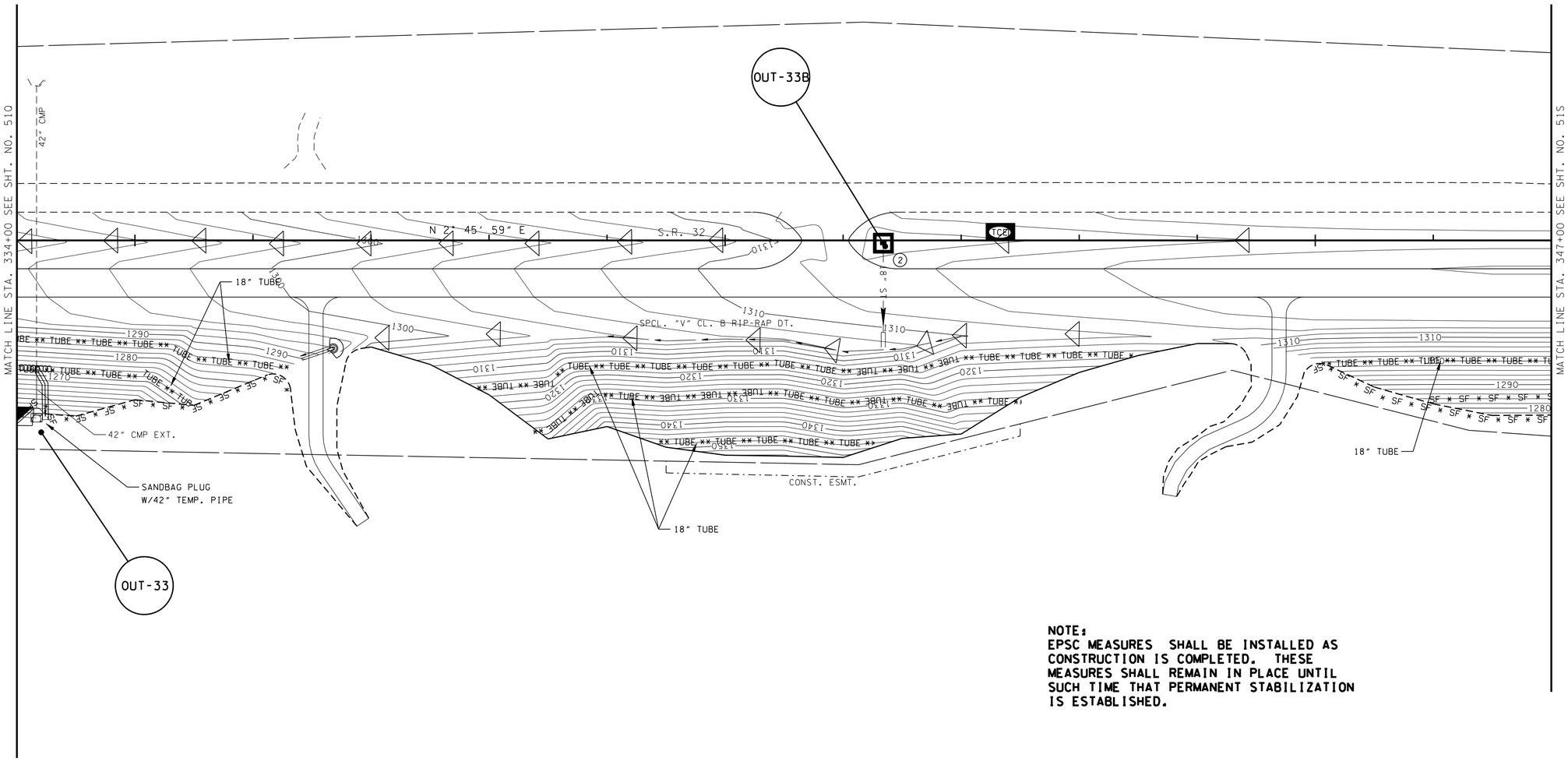
POND

N

335

340

345



NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.

CONSTRUCTION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104210
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

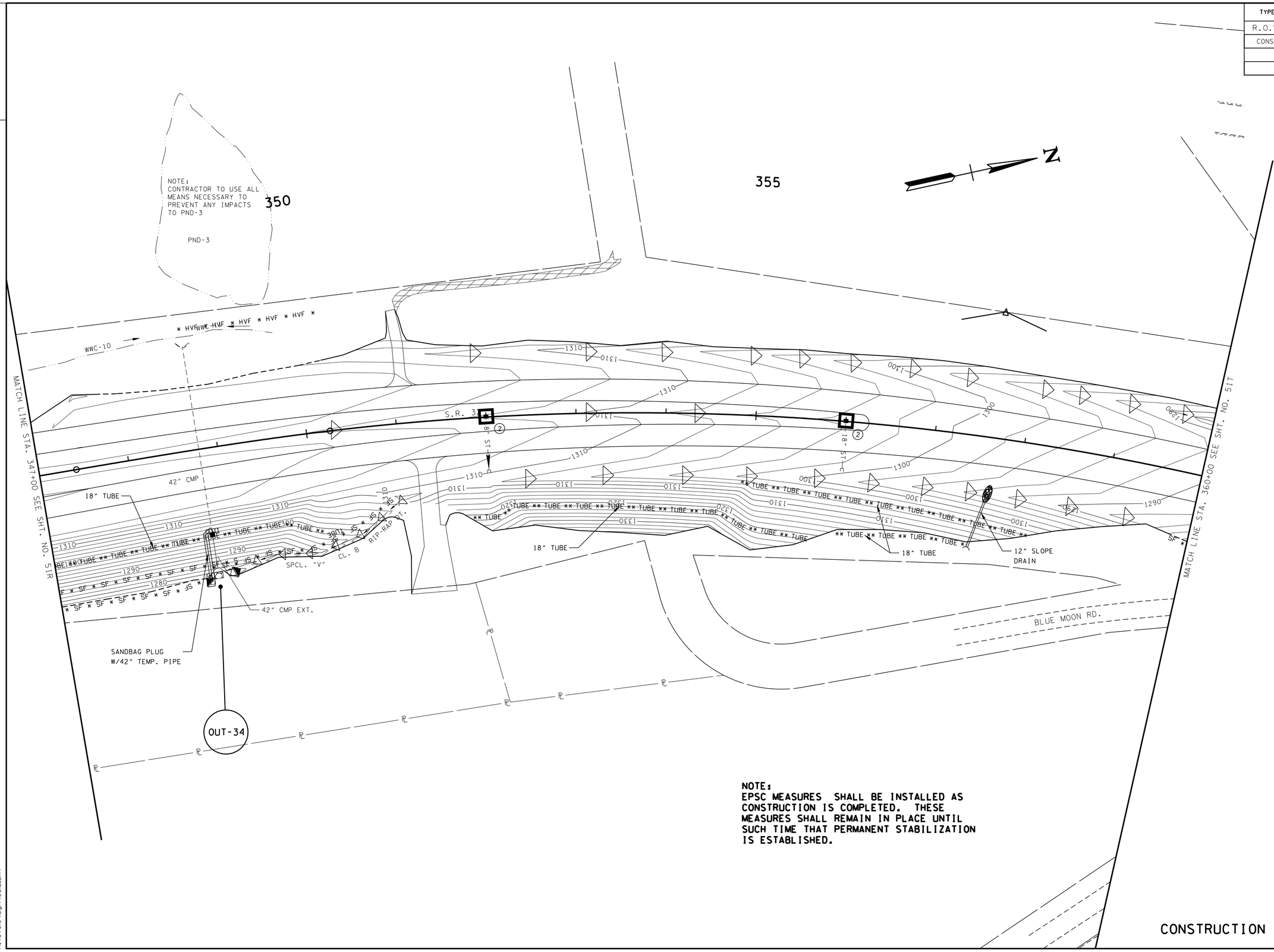
STA. 334+00 TO STA. 347+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\05ir.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51S
CONST.	2015	HPP/STP-32(57)	51S



NOTE:
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CONSTRUCTION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 102125
STATE OF TENNESSEE

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

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 347+00 TO STA. 360+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\05ls.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	51T
CONST.	2015	HPP/STP-32(57)	51T

END PROJ. NO. HPP/STP-32(57) CONST.
STA. 372+64.07
N 597695.1858
E 2794924.8315

EPLEY ROAD STA. 80+00.00=
COSBY CUTOFF NO. 2 STA. 80+00.00 =
S.R. 32 STA. 361+66.33
N 596805.1628
E 2794284.6353

365

370

OUT-35B
OUT-35D
OUT-35C
OUT-35

S 74° 29' 49" E
EPLEY ROAD
18" ST
42" ST
54" ST
S.R. 32
MATCH LINE STA. 360+00 SEE SHT. NO. 51S
COSBY CUTOFF NO. 2
24" PIPE
SPCL. "V" CL. C RIP-RAP DT.
SPCL. "V" CL. B RIP-RAP DT.
SPCL. "V" SOD DT.
18" TUBE
** TUBE ** TUBE ** TUBE ** TUBE ** TUBE ** TUBE
SFB * SFB * SFB * SFB * SFB * SFB * SFB * SFB * SF
HVF * HVF * HVF * HVF * HVF * HVF * HVF * HVF * HVF
STR-10
WWC-13
TCE
RCP
PLASTIC
CMP
1290
1280
1270
1260

COSBY CUTOFF NO. 2 STA. 83+67.00
N 596608.4914
E 2794578.5540

NOTE:
EPSC MEASURES SHALL BE INSTALLED AS CONSTRUCTION IS COMPLETED. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT STABILIZATION IS ESTABLISHED.

CONSTRUCTION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 109119
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 360+00 TO END PROJ.

SCALE: 1"= 50'

10/15/2014
n:\07019\dgn\051t.sht

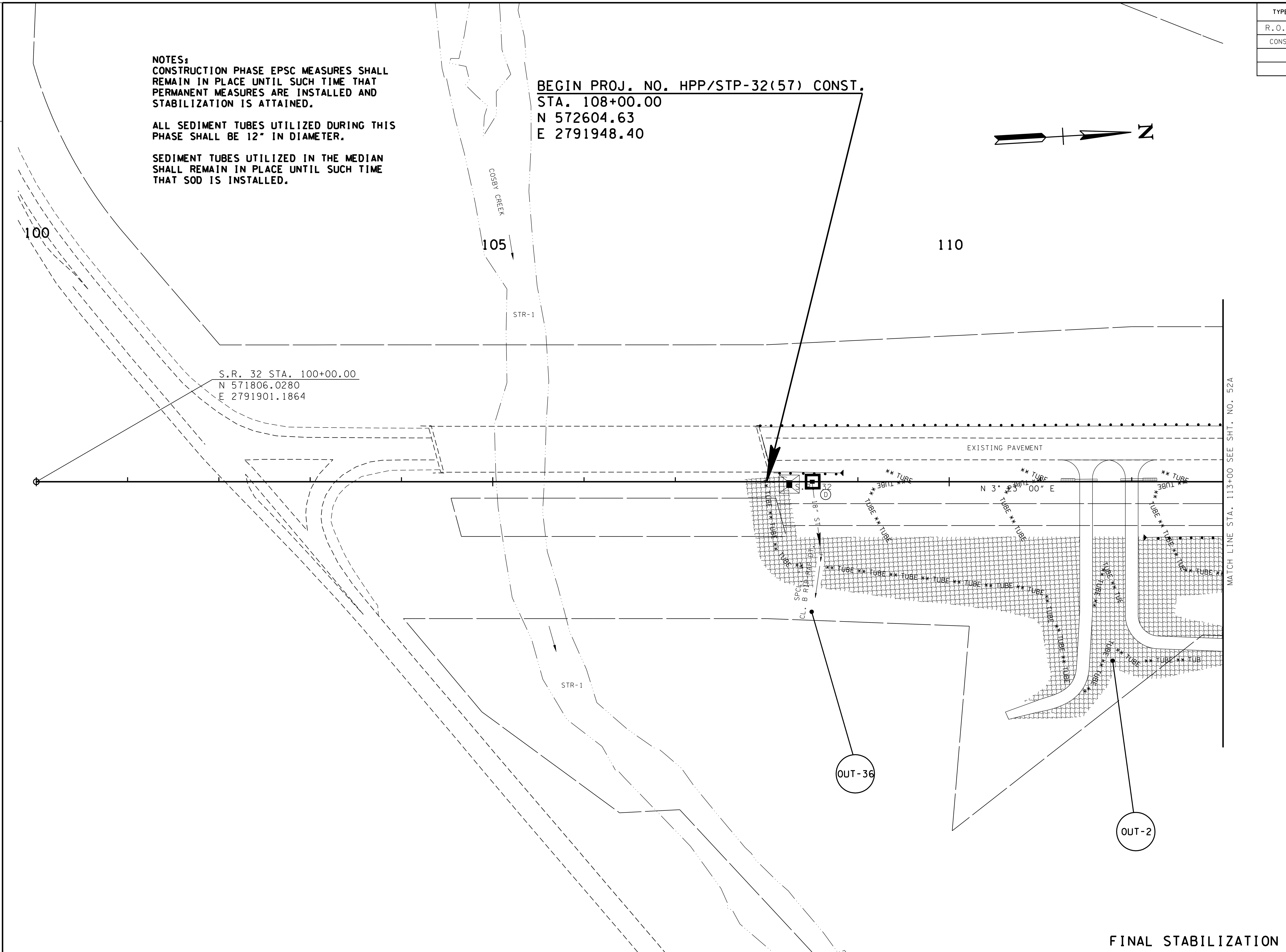
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52
CONST.	2015	HPP/STP-32(57)	52

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.



FINAL STABILIZATION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

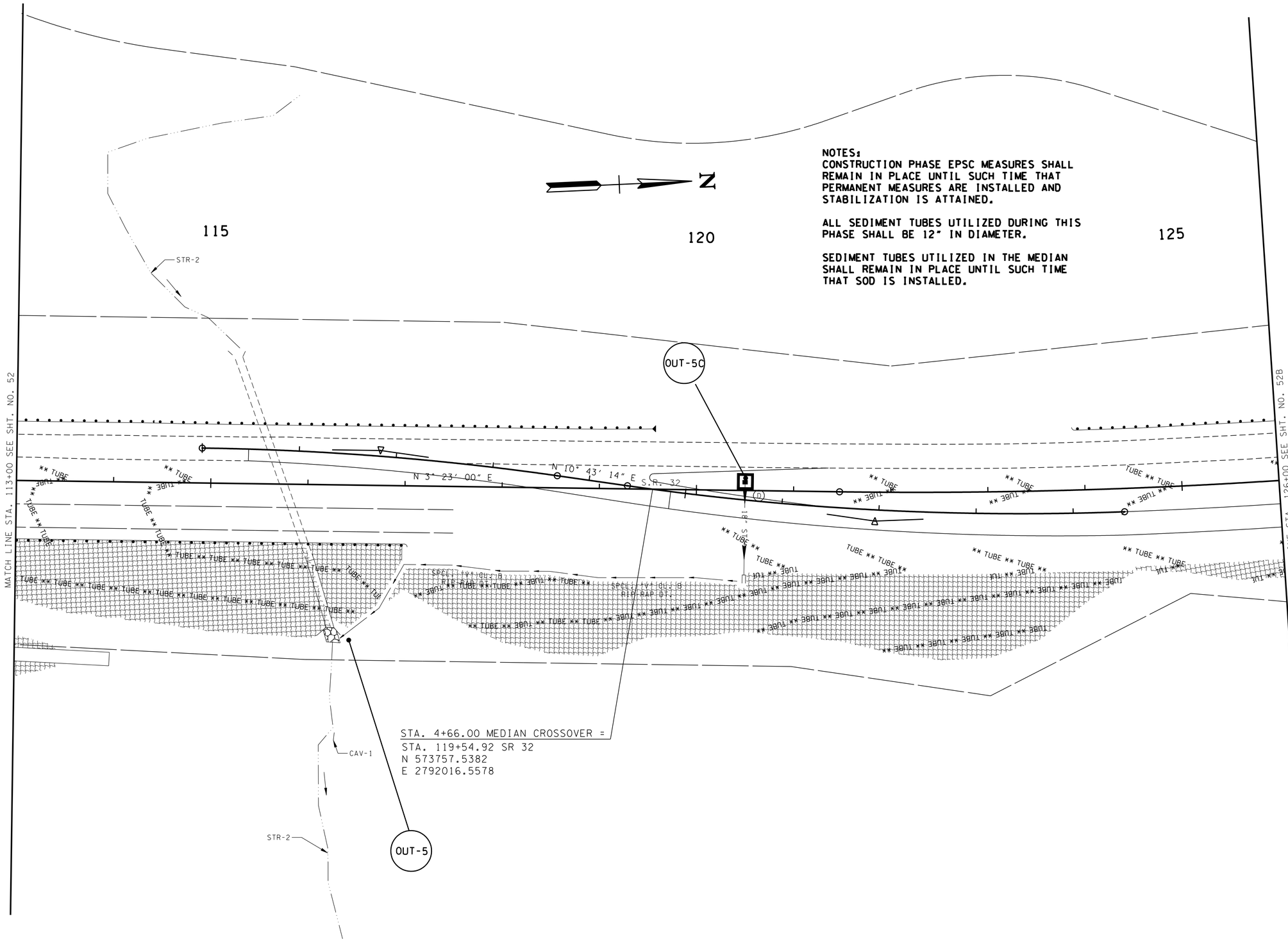
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
BEGIN PROJ. TO STA. 113+00
SCALE: 1" = 50'

10/15/2014
h:\07019\dgn\052.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52A
CONST.	2015	HPP/STP-32(57)	52A



NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.

FINAL STABILIZATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 106213
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 113+00 TO STA. 126+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\052a.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52B
CONST.	2015	HPP/STP-32(57)	52B

NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.

N

130

135

OUT-5B

OUT-5A

REBEL RD. STA. 10+00.00 =
S.R. 32 STA. 133+00.92
N 575100.2607
E 2791979.9959

MATCH LINE STA. 126+00 SEE SHT. NO. 52A

MATCH LINE STA. 139+00 SEE SHT. NO. 52C

S.R. 32

N 83° 13' 31" E

S 17° 56' 09" E

REBEL ROAD

S 59° 09' 33" E

S 48° 42' 55" E

SNK-1

15

SPCL. "V" CL. B RIP-RAP DT.

SPCL. "V" SOD DT.

REBEL RD. STA. 17+22.41
N 574651.8027
E 2792446.1842

FINAL STABILIZATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 106119
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 126+00 TO STA. 139+00

SCALE: 1"= 50'

10/15/2014
n:\07019\dgn\052b.sht

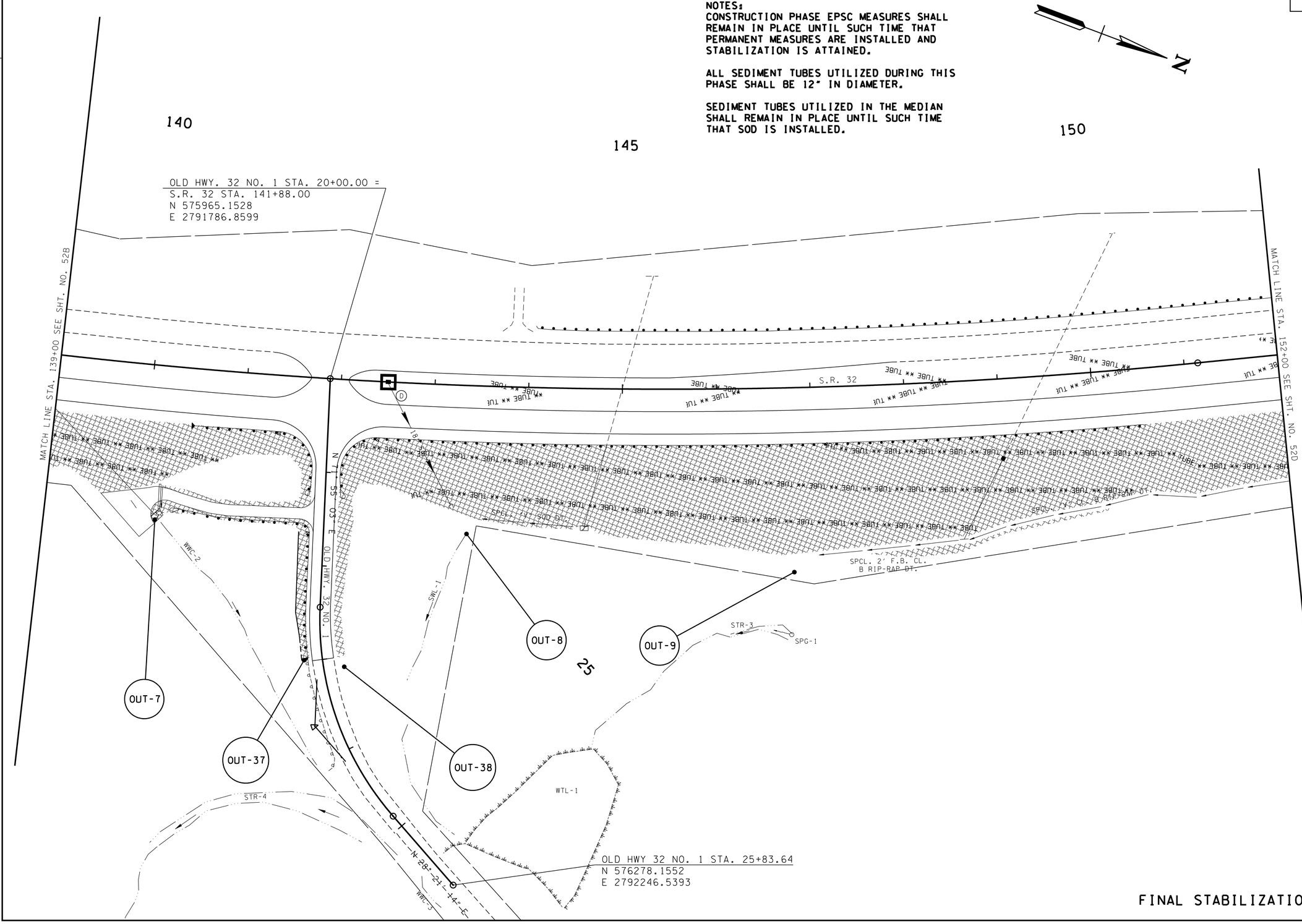
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52C
CONST.	2015	HPP/STP-32(57)	52C

NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.



FINAL STABILIZATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104218
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 139+00 TO STA. 152+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\052c.sht

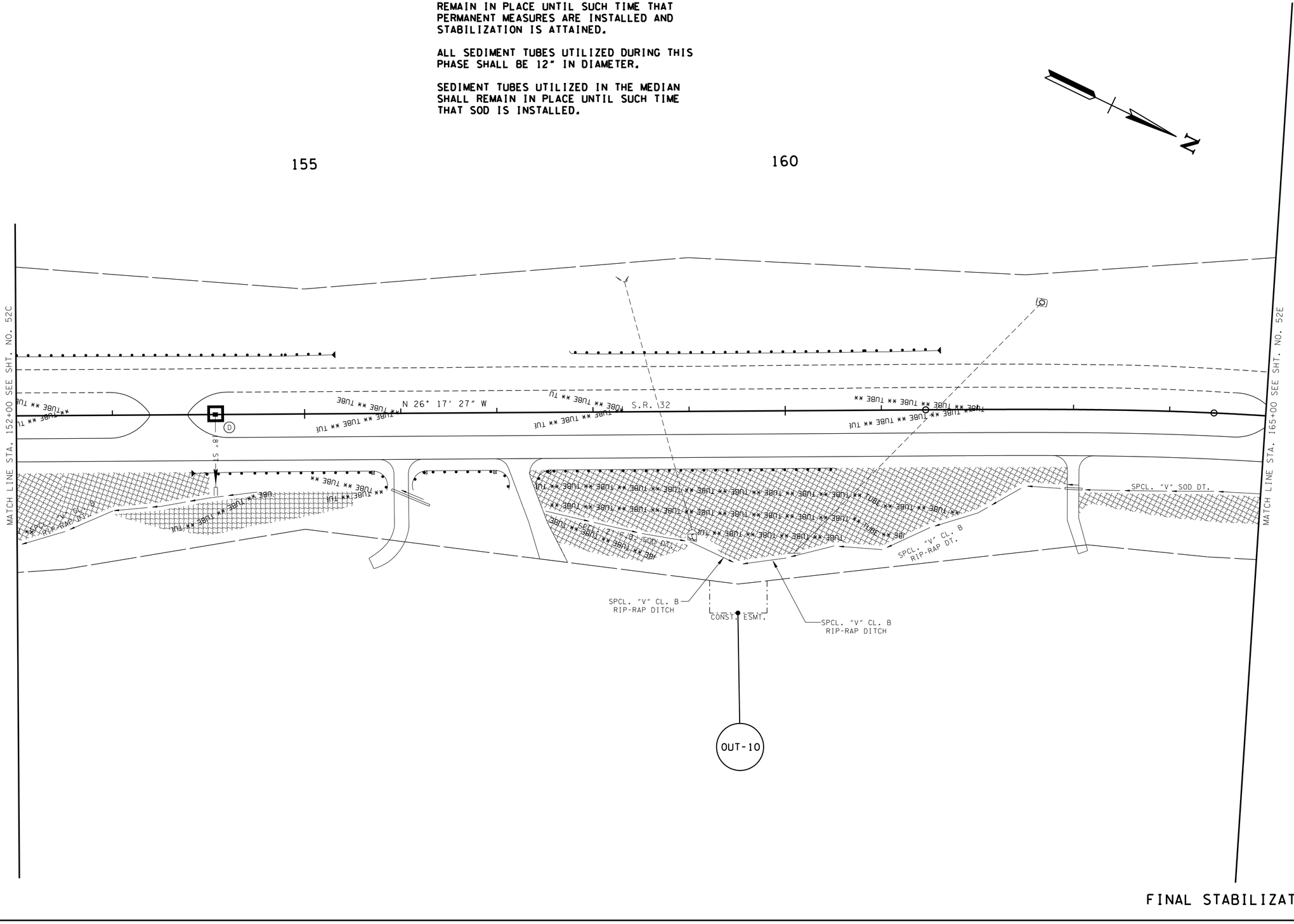
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52D
CONST.	2015	HPP/STP-32(57)	52D

NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.



FINAL STABILIZATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPT. OF AGRICULTURE
DEPT. OF COMMERCE
NO. 104210
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 152+00 TO STA. 165+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\052d.sht

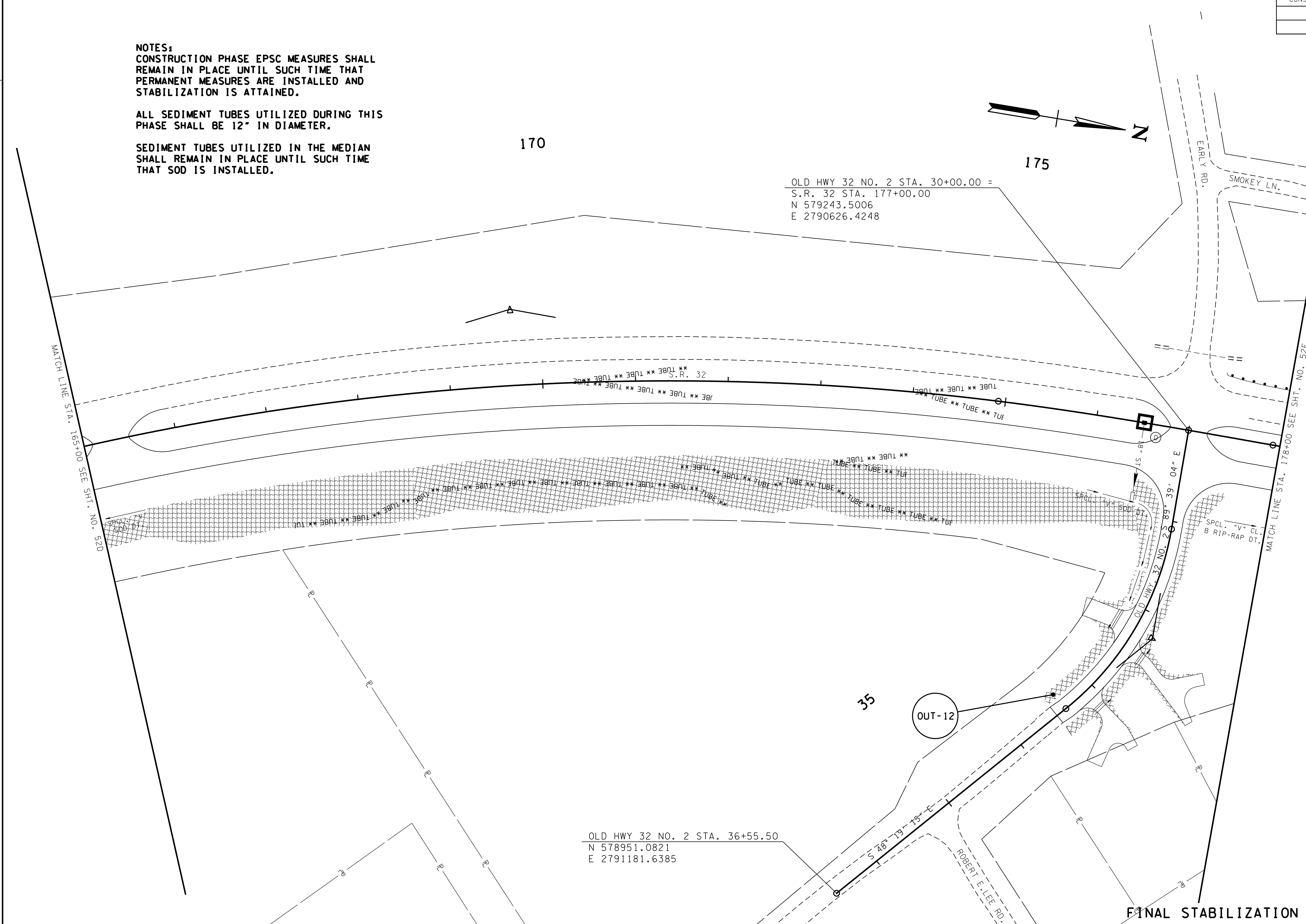
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52E
CONST.	2015	HPP/STP-32(57)	52E

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter — REGISTERED ENGINEER — AGRICULTURE — COMMERCE — NO. 104219 — STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 165+00 TO STA. 178+00
SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\052e.sht

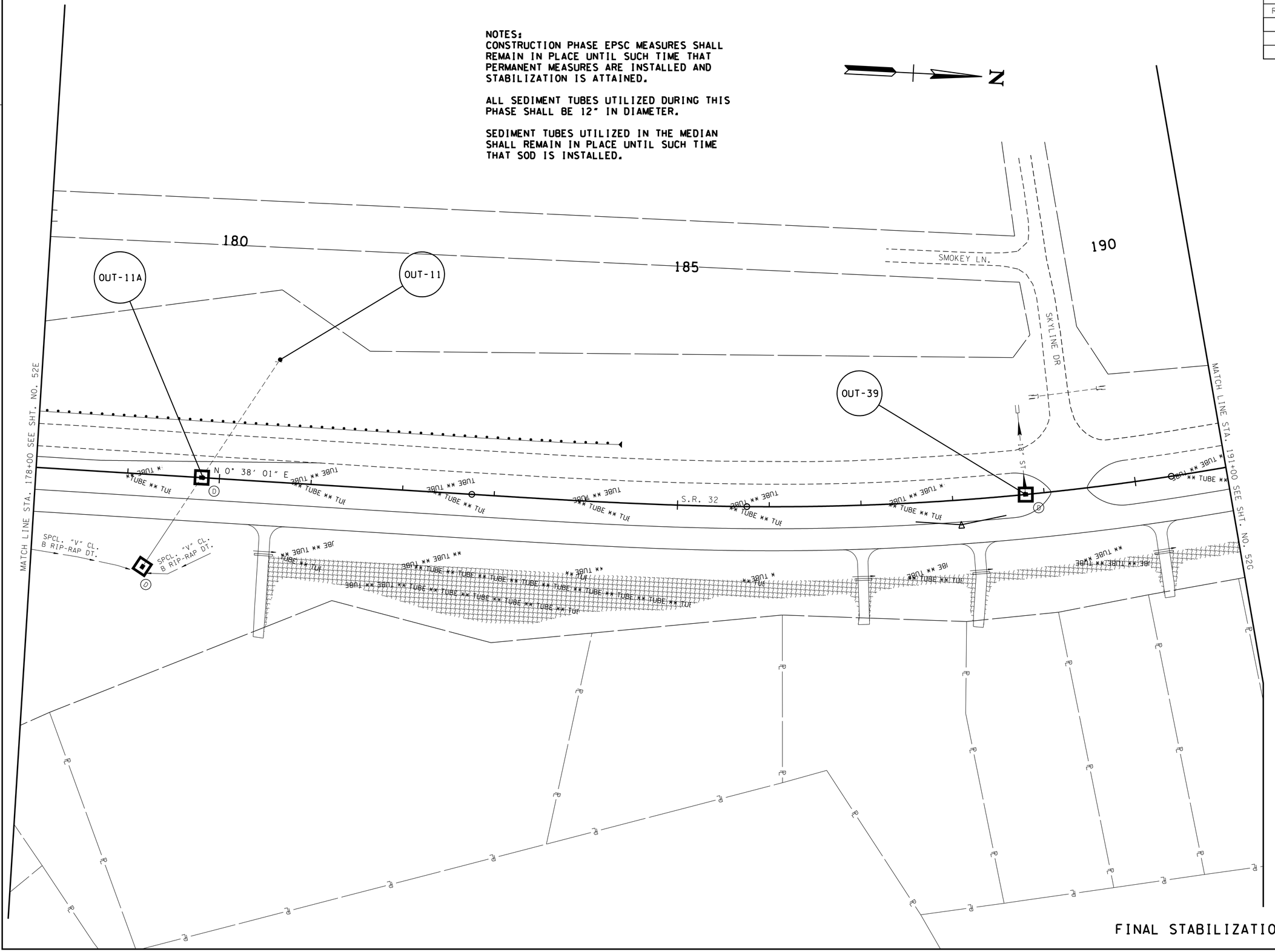
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52F
CONST.	2015	HPP/STP-32(57)	52F

NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.



FINAL STABILIZATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104319
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 178+00 TO STA. 191+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\052f.sht

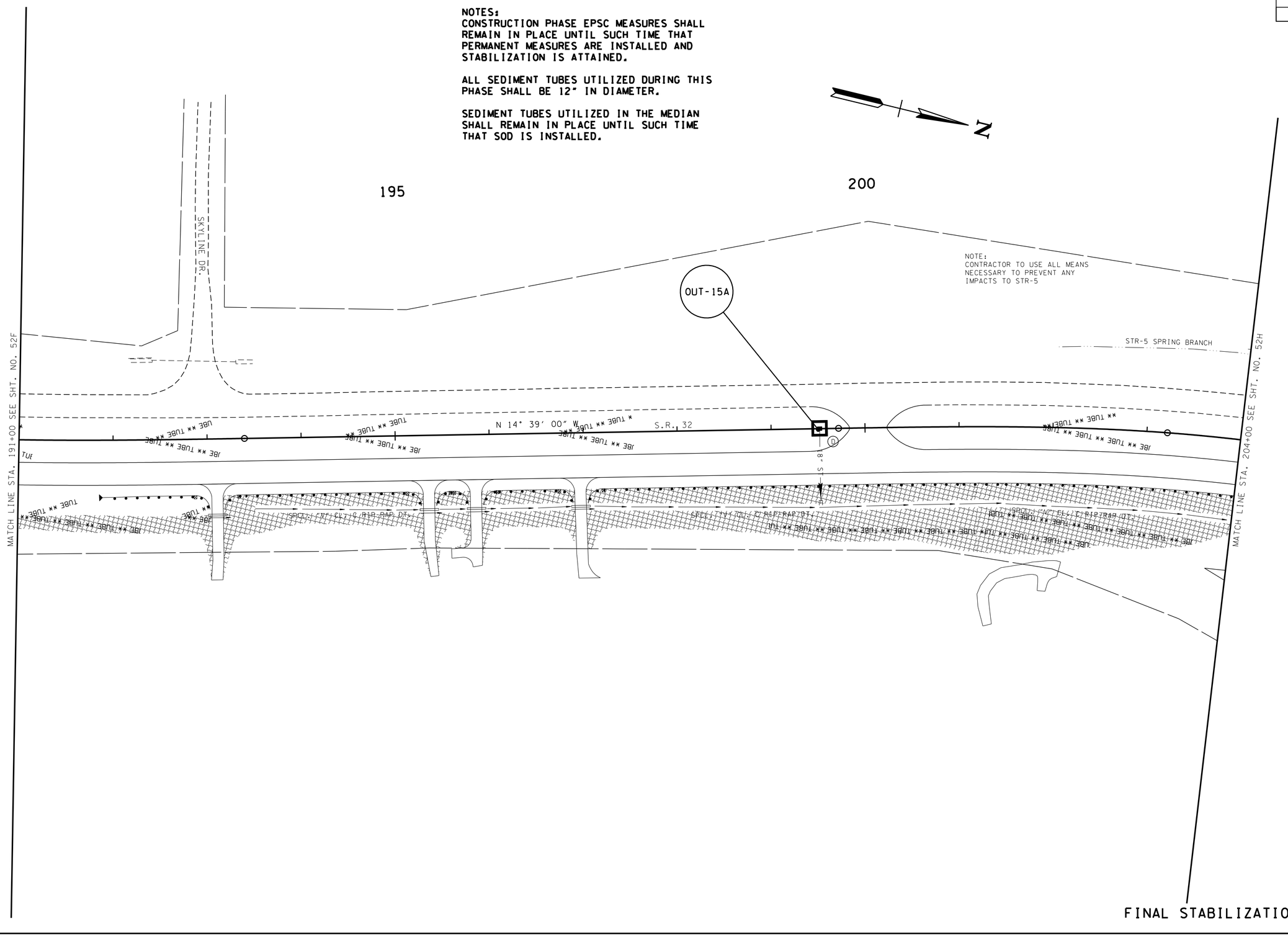
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52G
CONST.	2015	HPP/STP-32(57)	52G

NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104210
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

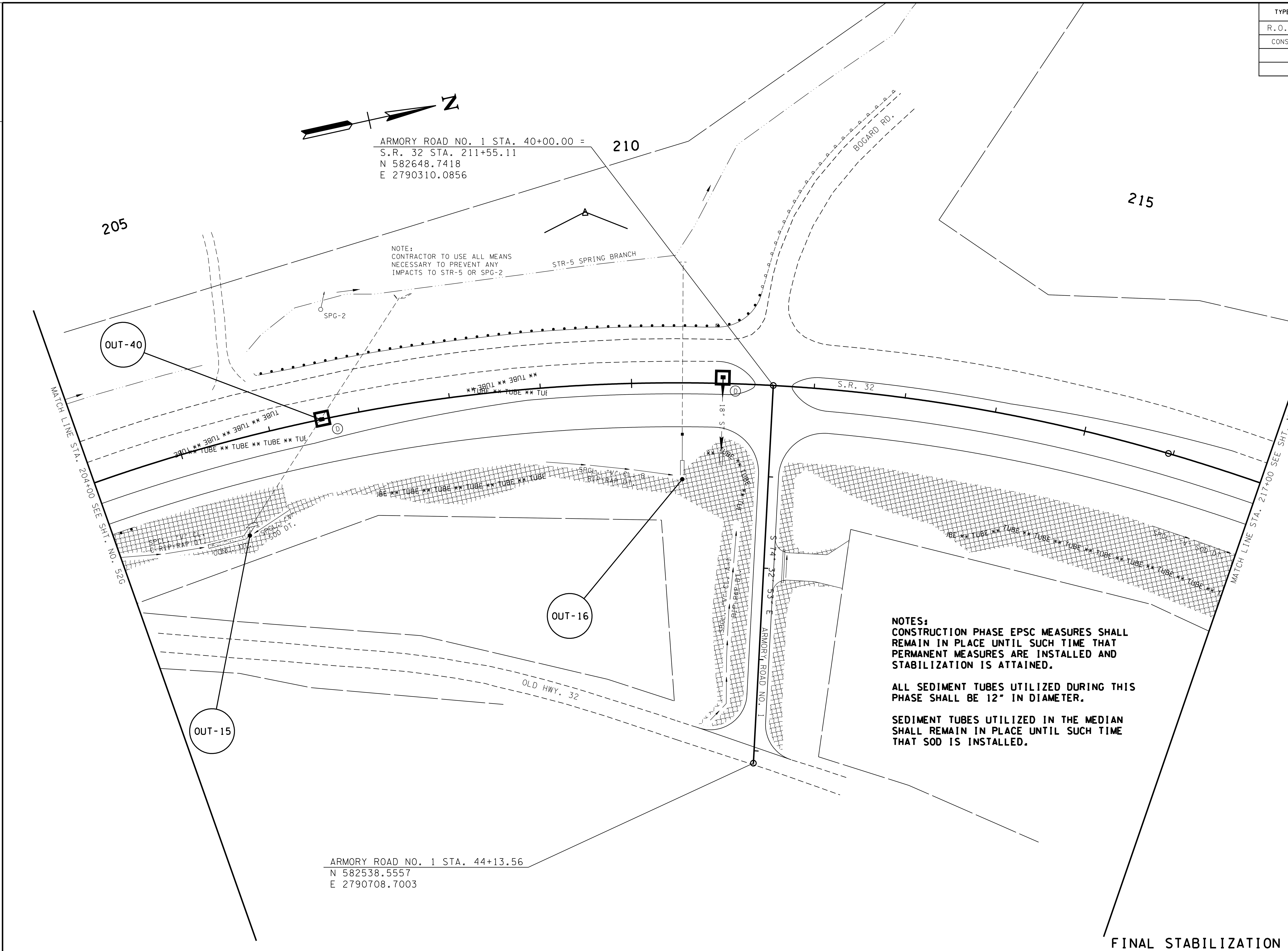
STA. 191+00 TO STA. 204+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\052g.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52H
CONST.	2015	HPP/STP-32(57)	52H

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.

FINAL STABILIZATION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY
Brian H. Trotter, Registered Engineer, State of Tennessee

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 204+00 TO STA. 217+00
SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\052h.sht

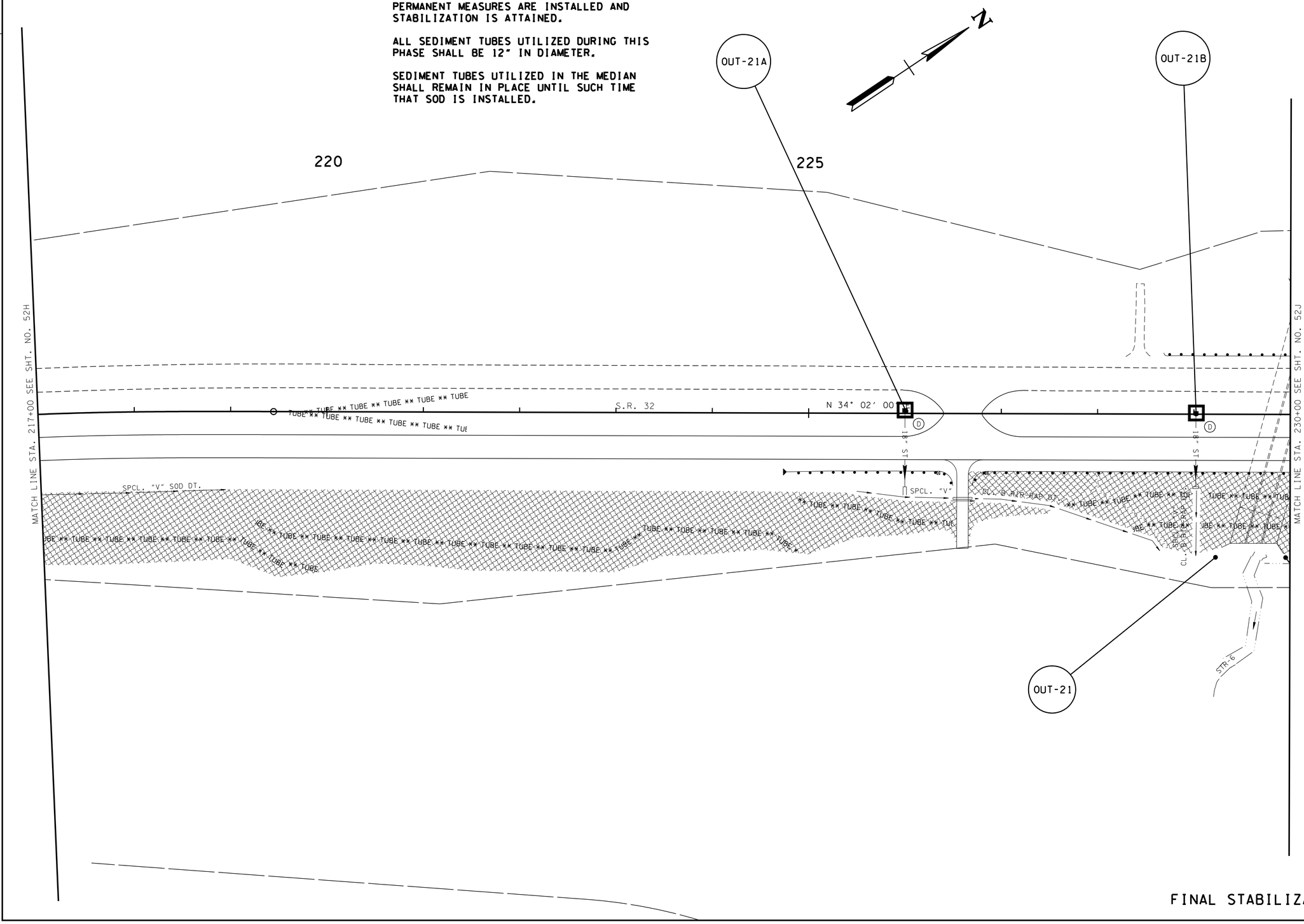
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52I
CONST.	2015	HPP/STP-32(57)	52I

NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.



FINAL STABILIZATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104215
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 217+00 TO STA. 230+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\0521.sht

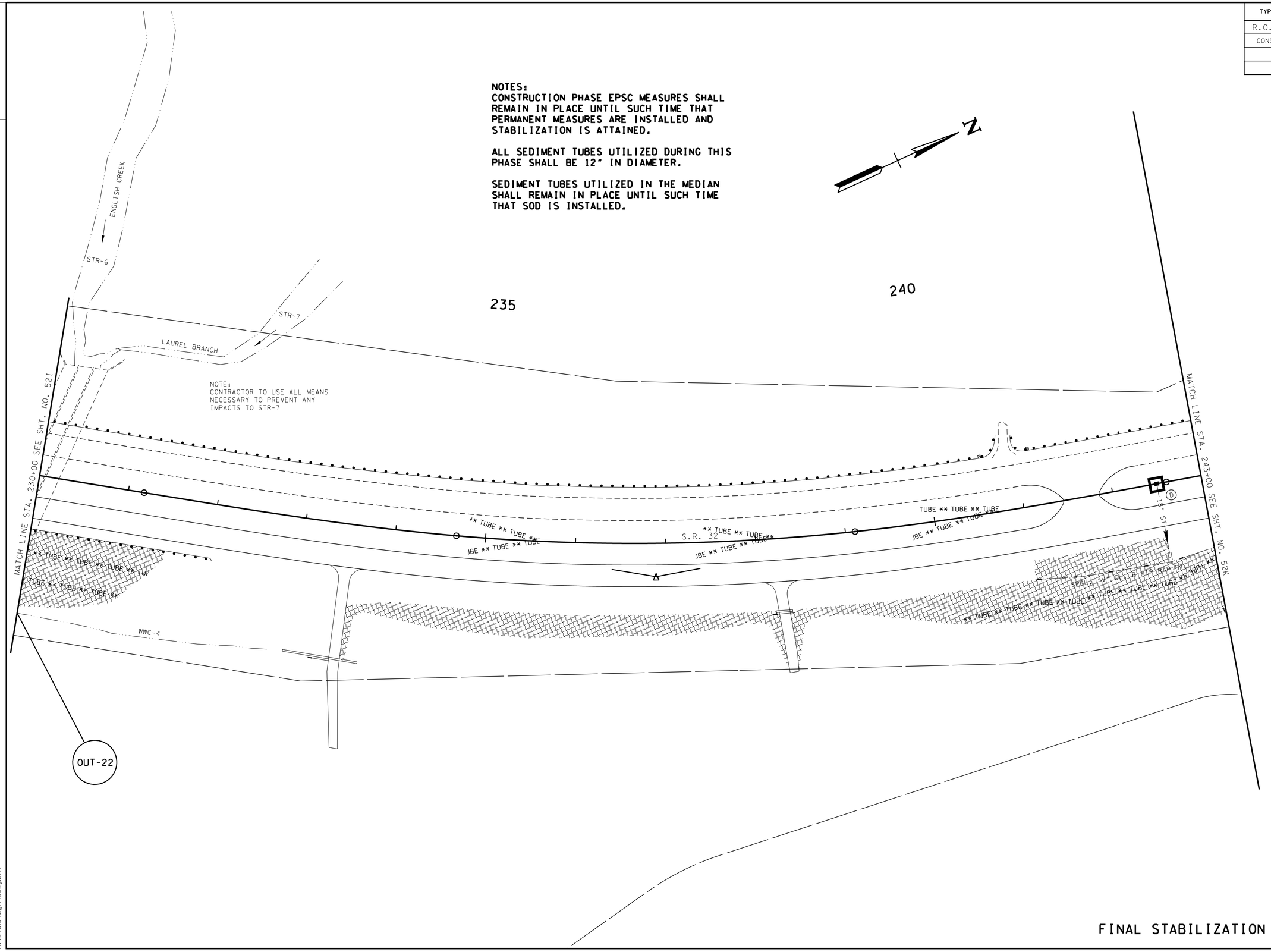
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52J
CONST.	2015	HPP/STP-32(57)	52J

NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.



FINAL STABILIZATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 106113
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 230+00 TO STA. 243+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\052I.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52K
CONST.	2015	HPP/STP-32(57)	52K

NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

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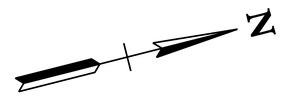
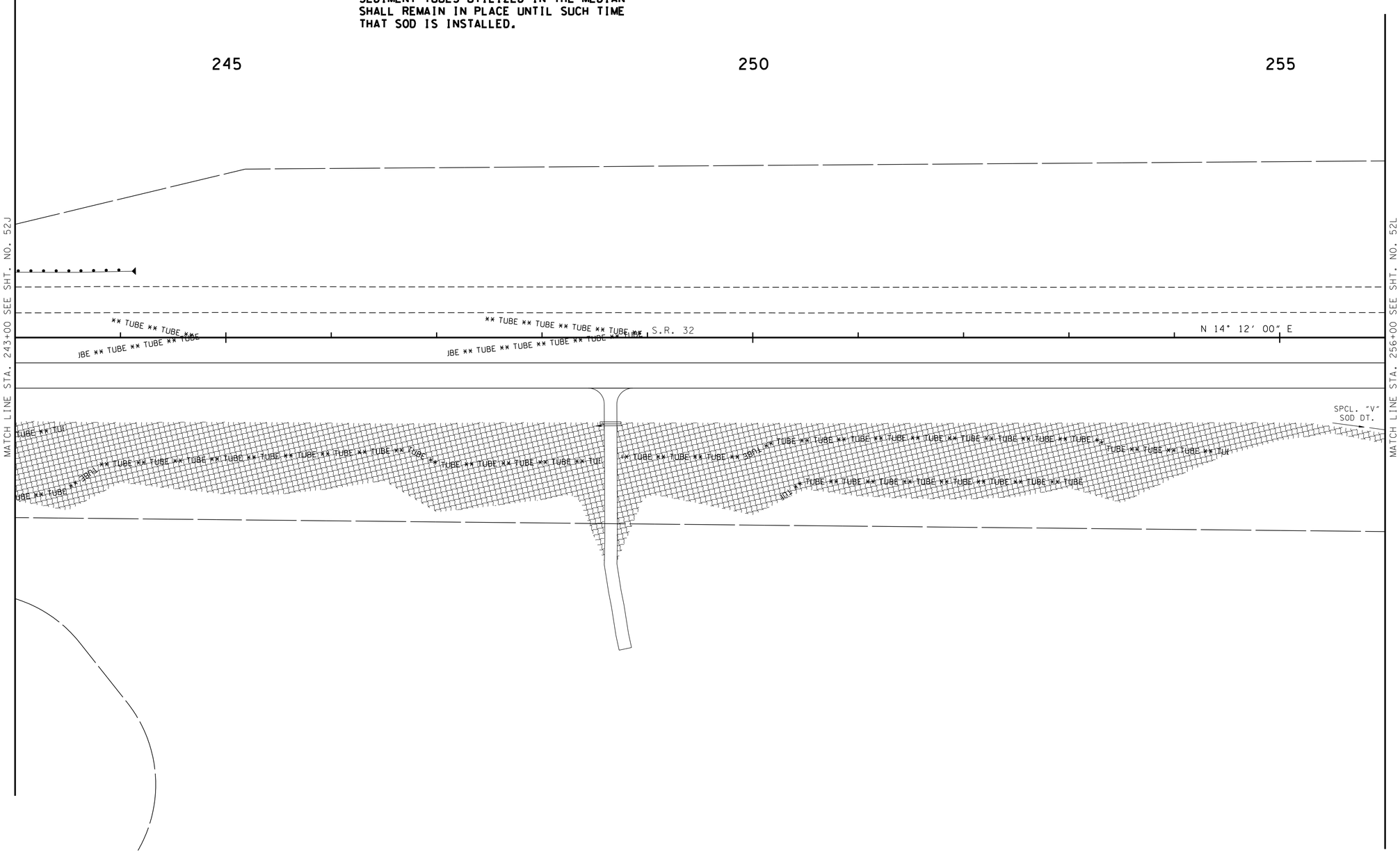
SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.





FINAL STABILIZATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
No. 109019
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 243+00 TO STA. 256+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\052k.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52L
CONST.	2015	HPP/STP-32(57)	52L

NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

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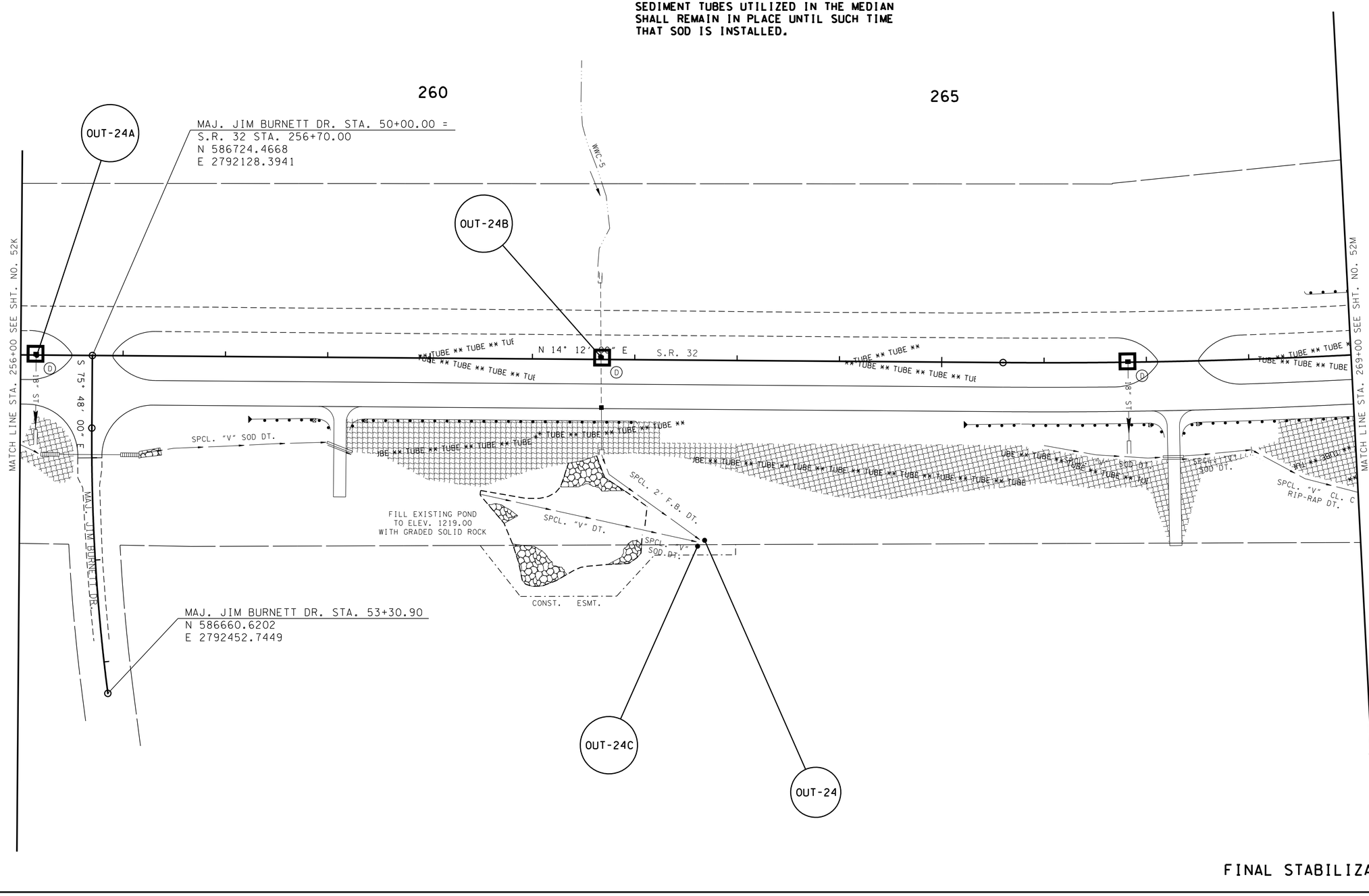
SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.



FINAL STABILIZATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104019
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

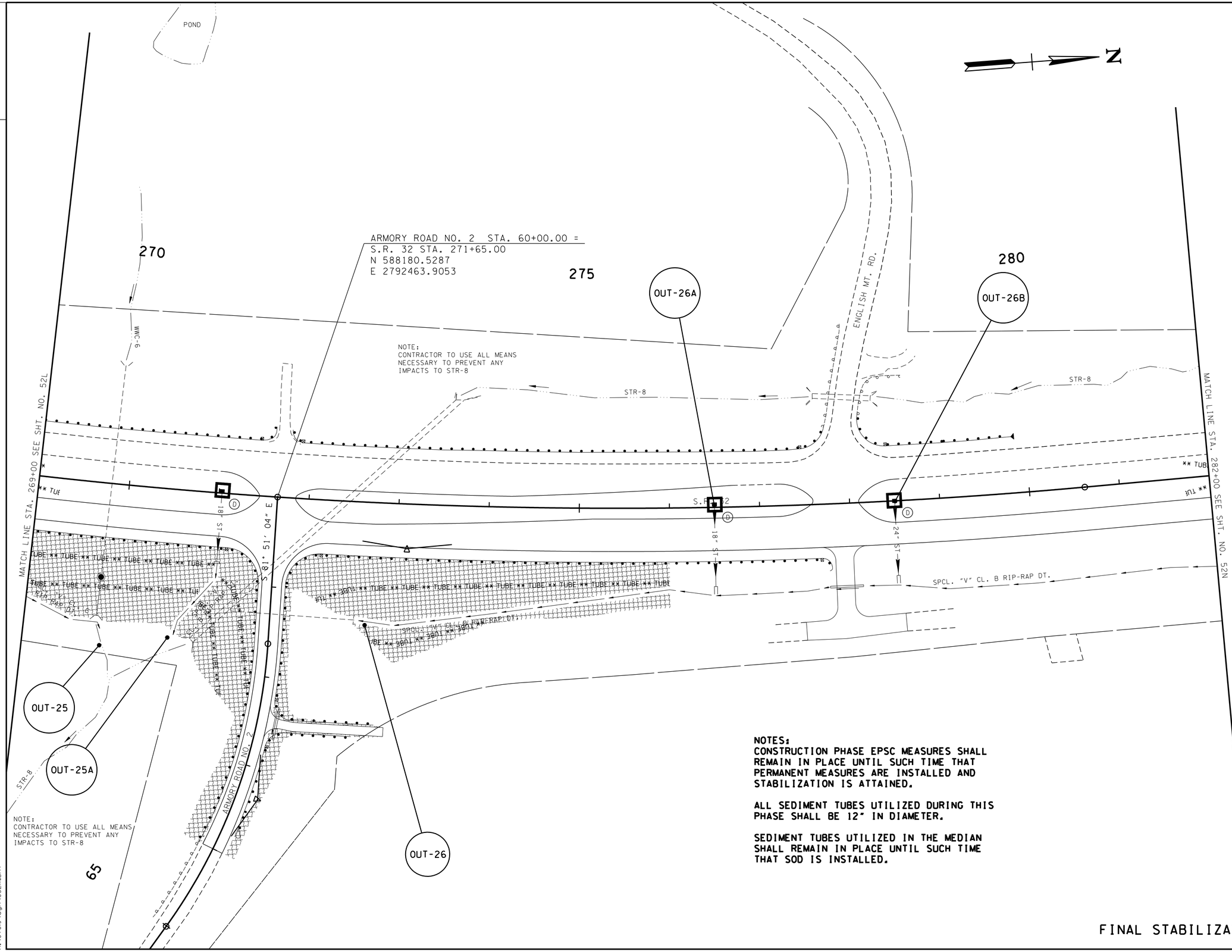
STA. 256+00 TO STA. 269+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\052lsht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52M
CONST.	2015	HPP/STP-32(57)	52M



NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.

FINAL STABILIZATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 106210
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 269+00 TO STA. 282+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\052m.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52N
CONST.	2015	HPP/STP-32(57)	52N

NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

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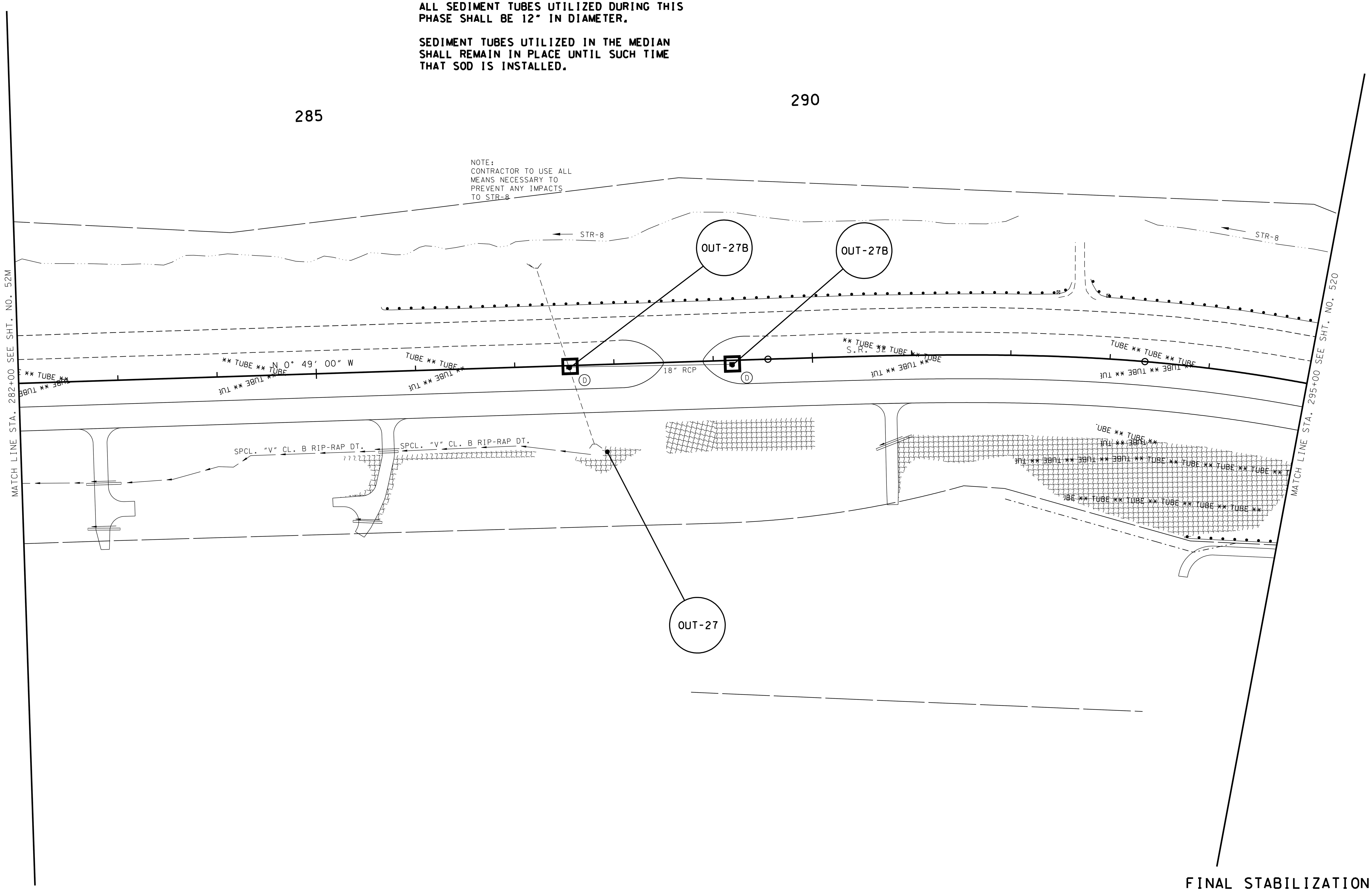
SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.

N



FINAL STABILIZATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE COMMERCE
NO. 104219
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 282+00 TO STA. 295+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\052n.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	520
CONST.	2015	HPP/STP-32(57)	520

COSBY CUTOFF NO. 1 STA. 70+00.00 =
S.R. 32 STA. 299+47.68
N 590931.2955
E 2792691.0502

NOTE:
CONTRACTOR TO USE ALL MEANS NECESSARY TO PREVENT ANY IMPACTS TO STR-8

300

305

EPLEY RD.

COCONUT ROAD

STR-8

WWC-7

OUT-28A

MATCH LINE STA. 295+00 SEE SHT. NO. 52N

MATCH LINE STA. 308+00 SEE SHT. NO. 52P

S.R. 32

N 31° 04' 50" E

S 60° 27' 00" E

18" ST.

** TUBE ** TUBE ** TUBE **

JBE ** TUBE ** TUBE ** TUBE **

SPCL. "V" CL. B RIP-RAP DT.

SPCL. RIP-RAP DT.

CONC. APRON

WWC-8

OUT-28

75

COSBY CUTOFF NO. 1

N 64° 44' 30" E

NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.

COSBY CUTOFF NO. 1 STA. 76+62.30
N 590926.3688
E 2793298.2644

FINAL STABILIZATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
No. 104011
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 295+00 TO STA. 308+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

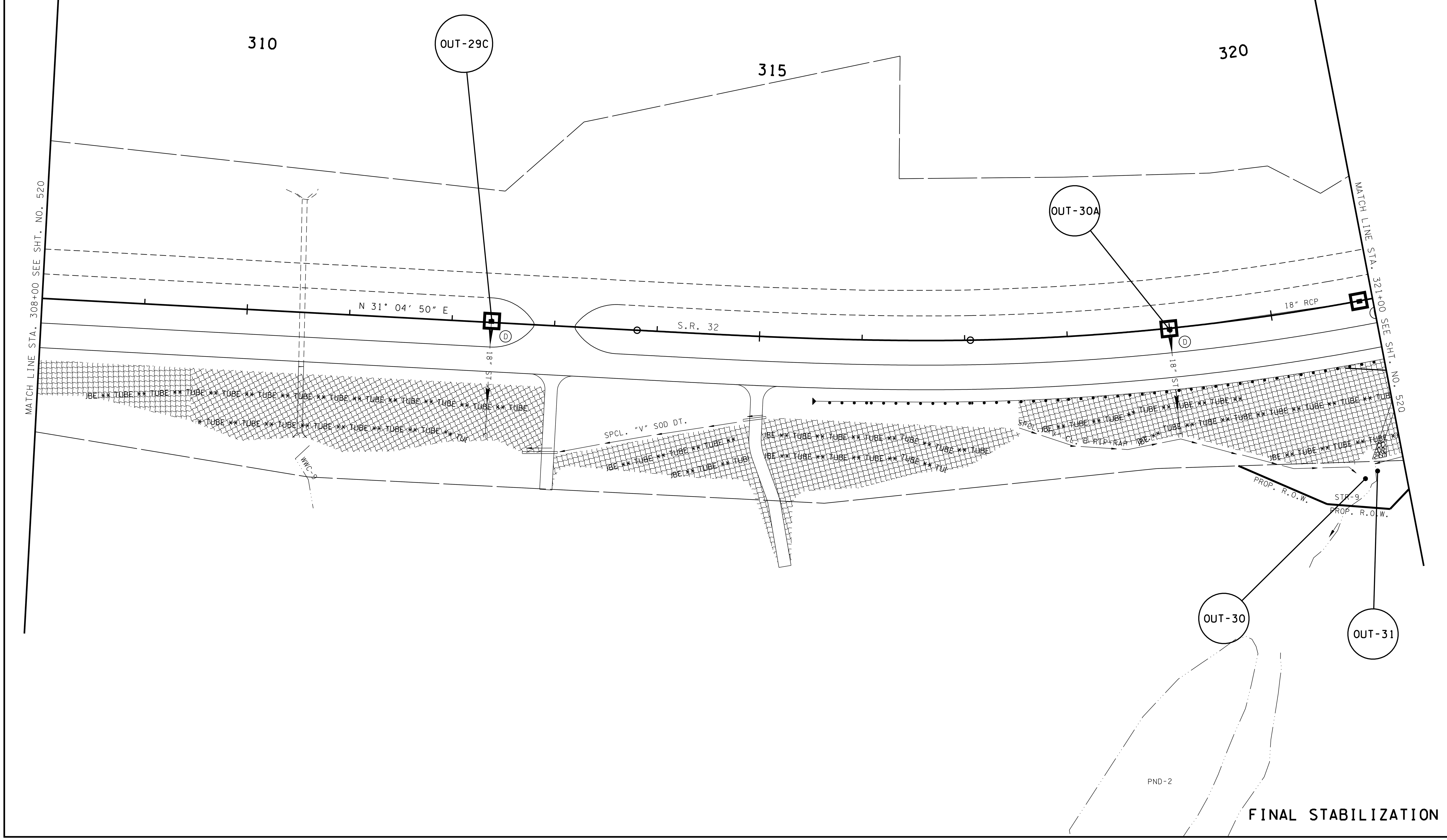
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52P
CONST.	2015	HPP/STP-32(57)	52P

NOTES:

CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.



FINAL STABILIZATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
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COMMERCE
NO. 104219
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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 295+00 TO STA. 308+00

SCALE: 1" = 50'

10/15/2014
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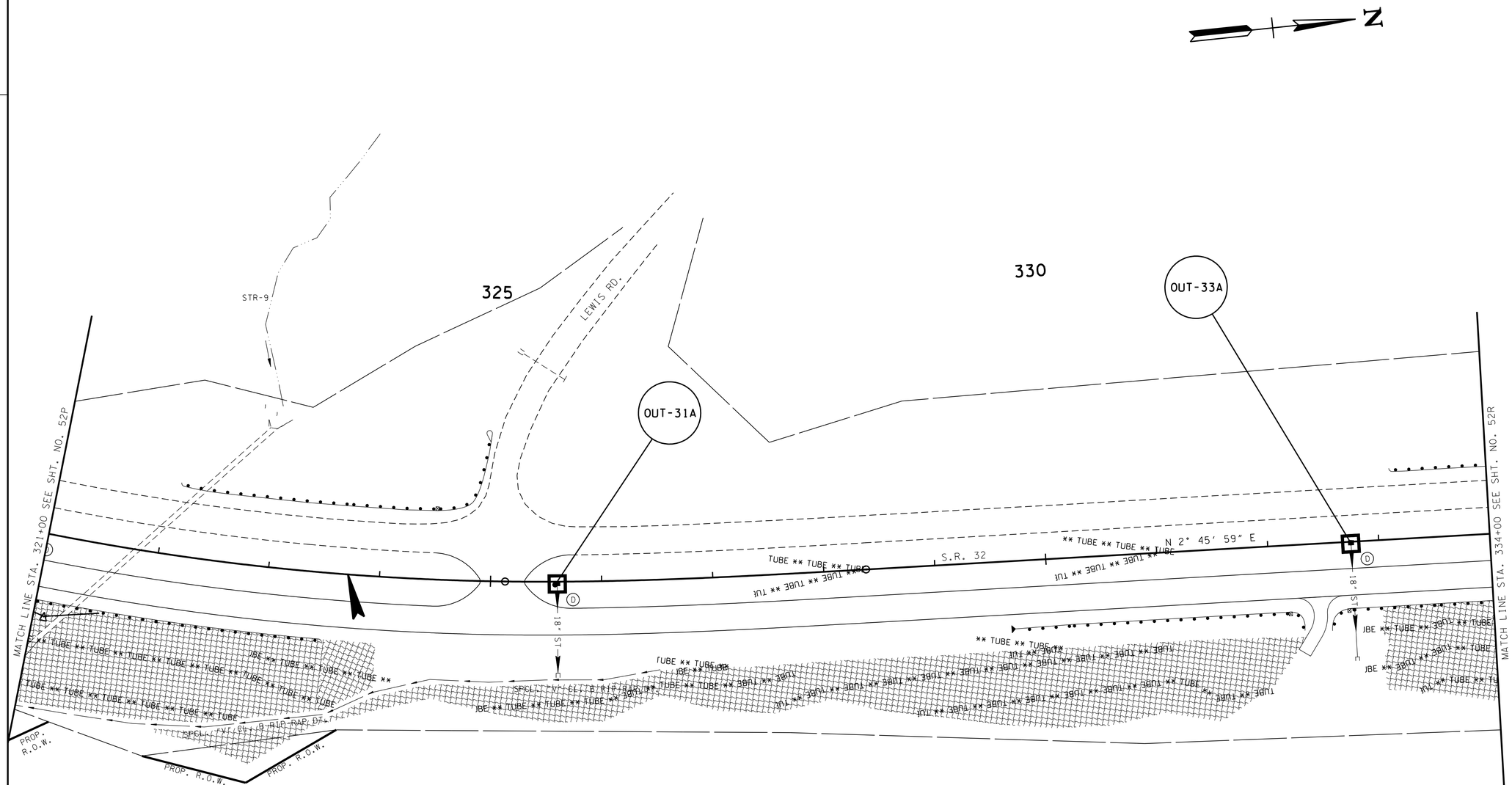
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	520
CONST.	2015	HPP/STP-32(57)	520



NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.

FINAL STABILIZATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 321+00 TO STA. 334+00

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52R
CONST.	2015	HPP/STP-32(57)	52R

POND

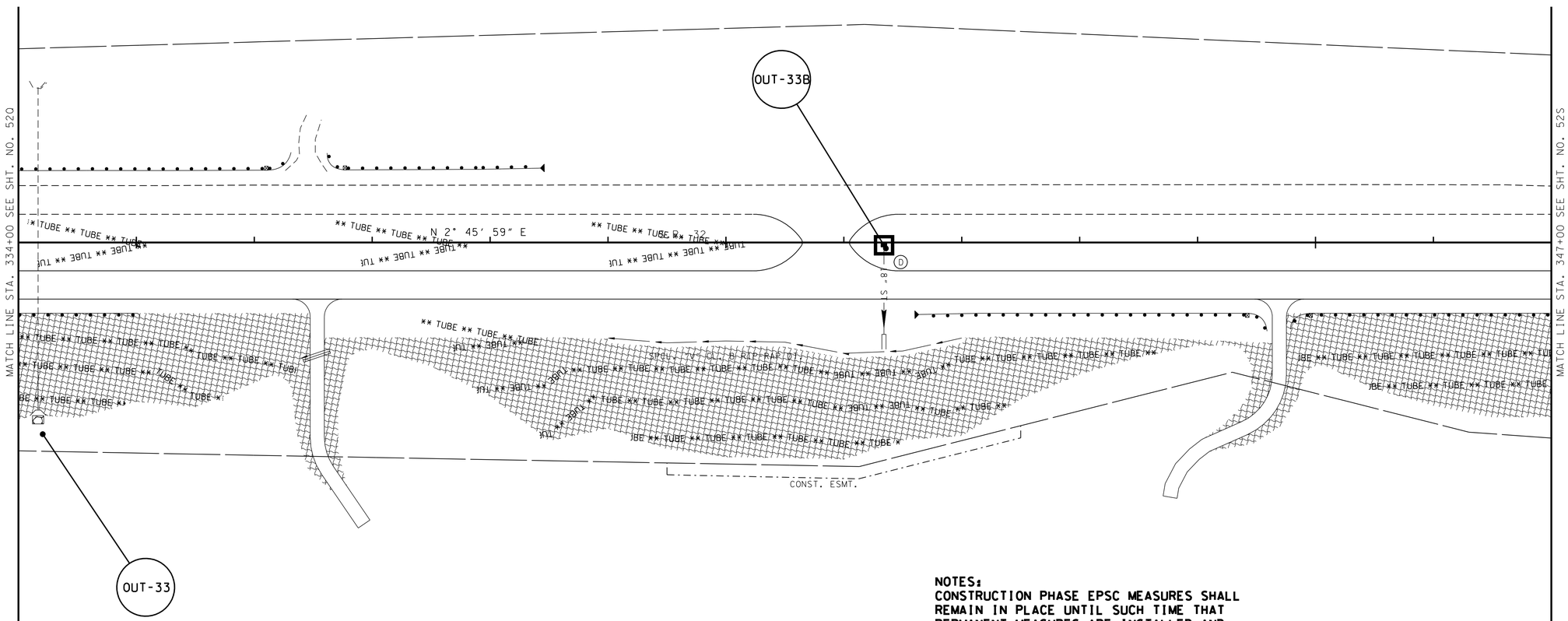
POND

N

335

340

345



NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.

FINAL STABILIZATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

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COMMERCE
NO. 104219
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 334+00 TO STA. 347+00

SCALE: 1"= 50'

10/15/2014
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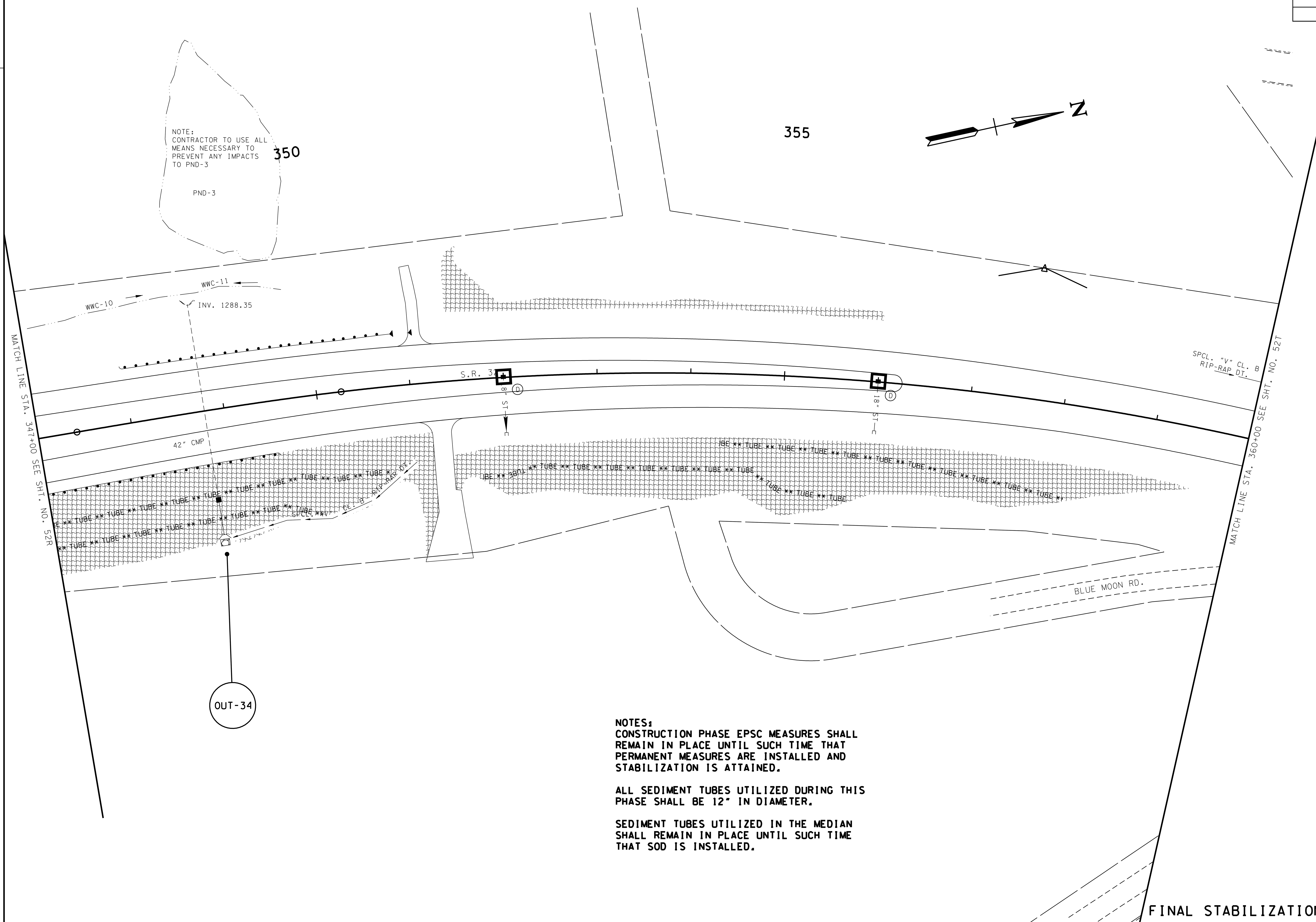
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52S
CONST.	2015	HPP/STP-32(57)	52S

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.

FINAL STABILIZATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

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STATE OF TENNESSEE

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

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 347+00 TO STA. 360+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\052s.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	52T
CONST.	2015	HPP/STP-32(57)	52T

END PROJ. NO. HPP/STP-32(57) CONST.
STA. 372+64.07
N 597695.1858
E 2794924.8315

EPLEY ROAD STA. 80+00.00=
COSBY CUTOFF NO. 2 STA. 80+00.00 =
S.R. 32 STA. 361+66.33
N 596805.1628
E 2794284.6353

365

370

OUT-35B
OUT-35C
OUT-35D
OUT-35

S 74° 29' 49" E
EPLEY ROAD
MATCH LINE STA. 360+00 SEE SHT. NO. 52S
COSBY CUTOFF NO. 2
S.R. 32
STR-10
WWC-13
INV. 1273.17
INV. 1270.42
24" RCP
36" CS
30" CS
18" ST
24" ST
42" ST
54" ST
LS
PL

COSBY CUTOFF NO. 2 STA. 83+67.00
N 596608.4914
E 2794578.5540

NOTES:
CONSTRUCTION PHASE EPSC MEASURES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT PERMANENT MEASURES ARE INSTALLED AND STABILIZATION IS ATTAINED.

ALL SEDIMENT TUBES UTILIZED DURING THIS PHASE SHALL BE 12" IN DIAMETER.

SEDIMENT TUBES UTILIZED IN THE MEDIAN SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT SOD IS INSTALLED.

FINAL STABILIZATION

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
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TENNESSEE DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 109119
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000110 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 360+00 TO END PROJ.

SCALE: 1"= 50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53

TRAFFIC CONTROL NOTES AND PHASING

GENERAL TRAFFIC CONTROL NOTES

PHASING GUIDELINES

- THE CONSTRUCTION SIGNING PLAN IS TO SERVE AS A GUIDE ONLY. OTHER SIGNS MAY BE REQUIRED DURING VARIOUS PHASES OF CONSTRUCTION.
- THE TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- PORTABLE SIGNS MAY BE USED AT SOME LOCATIONS WITH THE ENGINEER'S APPROVAL. THE CONTRACTOR SHALL REFER TO SECTION 6 OF THE MUTCD REGARDING PORTABLE SIGNS.
- PRIOR TO COMMENCEMENT OF ANY WORK, ALL NECESSARY ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE ERECTED AS SHOWN IN THE PLANS AND IN ACCORDANCE WITH THE MUTCD AND TDOT STANDARD DRAWINGS.
- DURING CONSTRUCTION PHASING NO CONSTRUCTION SIGN OR PERMANENT SIGN SHALL BE LEFT UNCOVERED OR IN PLACE WHICH MAY GIVE CONFLICTING DIRECTION OR INFORMATION TO MOTORISTS.
- ANY AND ALL NECESSARY EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN IN THE EROSION AND SEDIMENT CONTROL PLANS AND IN ACCORDANCE WITH TDOT STANDARD DRAWINGS, TDOT DRAINAGE MANUAL CHAPTER 10 AND ANY PERMIT REQUIREMENTS MUST BE IN PLACE AND PROPERLY MAINTAINED AND INSPECTED AT ALL TIMES.
- ACCESS TO ALL PROPERTIES MUST BE MAINTAINED AT ALL TIMES.

LANE CLOSURE GUIDELINES

- ALL TEMPORARY LANE CLOSURES ON SR 32 MUST BE APPROVED IN ADVANCE BY THE ENGINEER. ALL REQUESTS MUST BE MADE A MINIMUM OF 7 DAYS PRIOR TO THE DATE OF ANTICIPATED CLOSURE.

TRAFFIC CONTROL PHASING FOR SR 32

PHASE 1

- MAINTAIN TRAFFIC IN THE EXISTING LOCATION AND CONSTRUCT NEW NORTHBOUND LANES, SIDE ROADS, DRIVEWAYS, DRAINAGE, GUARDRAIL, ETC. FROM STA. 108+00 +/- TO STA. 361+00 +/-.
- CLOSE THE RIGHT NORTHBOUND LANE FROM STA. 363+00 +/- TO STA. 373+35 +/- & COSBY CUTOFF NO. 2
- CONSTRUCT WIDENING OF SR 32, COSBY CUTOFF NO. 2 IN ITS NEW LOCATION & REMOVE EXIST. COSBY CUTOFF NO. 2.
- PAVE ALL OF THE NEW WORK THROUGH THE BINDER LAYER. MARK WITH PAINTED PAVEMENT MARKING IN PERMANENT LOCATION AS INDICATED ON TRAFFIC CONTROL PLANS.
- INSTALL PERMANENT SIGNING ON THE NEW NORTHBOUND LANES (REFER TO SIGNING AND MARKING LAYOUTS FOR TYPE AND LOCATION).
- INSTALL NEW LOOP DETECTORS, PULL BOXES, CONDUIT, WIRING, AND STRAIN POLE FOR THE NORTHBOUND LANES ON SR 32.

PHASE 2

- COMPLETE CONSTRUCTION OF THE CROSSOVER FROM APPROX. STA. 115+00 TO APPROX. STA. 121+00. USE TEMPORARY LANE CLOSURES AND FLAGGERS IF NECESSARY.
- SHIFT NORTHBOUND TRAFFIC TO THE NEW LOCATION UTILIZING BOTH LANES THRU STA. 349+10. REDUCE TRAFFIC THRU THE SR 32 INTERSECTION WITH EPLEY ROAD & COSBY CUTOFF NO. 2 TO ONE LANE TO ALLOW FOR THE INCLUSION OF LEFT TURN LANES.
- MAINTAIN SOUTHBOUND TRAFFIC IN ITS ORIGINAL LOCATION THROUGHOUT THE PROJECT AND MAINTAIN THE RIGHT TURN LANE FROM STA. 362+00 TO STA. 369+20.
- CONSTRUCT REMAINDER OF MEDIAN, MEDIAN CROSSINGS, SHOULDER MODIFICATIONS AND LEFT TURN LANES ON THE ORIGINAL NORTHBOUND LANES.
- COMPLETE WORK IN THE CENTER PORTION OF SR 32 FROM THE END OF THE MEDIAN SECTION TO THE END OF THE PROJECT.
- PAVE ALL OF THE NEW WORK THROUGH THE BINDER LAYER. MARK WITH PAINTED PAVEMENT MARKING IN PERMANENT LOCATION.

PHASE 2A

- PLACE SR 32 TRAFFIC IN PERMANENT LOCATION BETWEEN STA. 345+00 AND STA. 372+64. CLOSE THE SOUTHBOUND RIGHT TURN LANE AND EPLEY ROAD. TRANSITION THE TWO SOUTHBOUND LANES TO A SINGLE LANE BEGINNING AT STA. 351+00 +/-.
- COMPLETE THE WORK ON THE WEST SIDE OF MAIN LANES, DRIVEWAYS, SHOULDERS, ETC. FROM STA. 350+00 TO STA. 372+64.
- CONDUCT PROPOSED WORK ON EPLEY ROAD.

PHASE 3

- PLACE ALL TRAFFIC IN PERMANENT LOCATIONS ON MAIN LANES AND SIDE ROADS.
- COLD PLANE EXISTING SR 32 ACCORDING TO LIMITS SHOWN IN PLANS
- COMPLETE ALL FINAL SURFACE COURSE PAVING AND PERMANENT MARKING UNDER TRAFFIC USING TEMPORARY LANE CLOSURES AND FLAGGERS.
- COMPLETE INSTALLATION OF ANY GUARDRAIL AND SIGNING ALONG THE SOUTHBOUND LANES.

TRAFFIC CONTROL PHASING FOR SIDE ROADS

REBEL ROAD & SR 32 INTERSECTION

PHASE 1

- CONSTRUCT ROADWAY EMBANKMENT ON SR 32 UP TO APPROX. STA. 132+75
- CONSTRUCT A PORTION OF THE SPECIAL DITCH FROM STATION 130+73.90 TO APPROX. STA. 131+90.
- CONSTRUCT TEMPORARY DIVERSION CHANNEL FROM STA. 131+90 TO THE EXISTING ROADWAY DITCH

PHASE 2

- INSTALL 95 LF OF 18" TEMPORARY PIPE IN SPECIAL DITCH FOLLOWING THE DITCH GRADE.
- CONSTRUCT REBEL RD. TEMPORARY CONN. AND TIE TO EXISTING REBEL RD. UNDER TRAFFIC USING TEMPORARY LANE CLOSURES AND FLAGGERS.
- DIVERT TRAFFIC TO REBEL RD. TEMPORARY CONN.

PHASE 3

- CONSTRUCT IMPROVEMENTS TO REBEL RD., STORM SEWER/MEDIAN DRAINAGE & SR 32 FROM APPROX. STA. 132+75 TO APPROX. STA. 134+00
- PAVE IMPROVEMENTS THRU THE BINDER LAYER AND MARK WITH PAINTED PAVEMENT MARKING IN PERMANENT LOCATION.

PHASE 4

- DIVERT TRAFFIC TO IMPROVED REBEL RD.
- REMOVE REBEL RD. TEMPORARY CONN. AND RETURN SLOPES AND DITCHES ON SR 32 BACK TO THE FINAL SPECIFICATIONS.

OLD SR 32 NO. 1 & SR 32 INTERSECTION

PHASE 1

- CONDUCT ANY NECESSARY MILLING OPERATIONS IN OVERLAY AREAS UNDER TRAFFIC USING TEMPORARY LANE CLOSURES AND FLAGGERS.

PHASE 2

- REMOVE EXISTING GUARDRAIL
- CONSTRUCT ALL EMBANKMENT OPERATIONS ON SHOULDERS AND IN DITCHES UNDER TRAFFIC USING TEMPORARY LANE CLOSURES AND FLAGGERS.
- CONSTRUCT NEW GUARDRAIL AND TIE TO EXISTING.

PHASE 3

- PAVE IMPROVEMENTS THRU THE BINDER LAYER AND MARK WITH PAINTED PAVEMENT MARKING IN PERMANENT LOCATION UNDER TRAFFIC USING TEMPORARY LANE CLOSURES AND FLAGGERS.

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

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STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL NOTES

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53A

OLD SR 32 NO. 2 & SR 32 INTERSECTION

PHASE 1

- CONDUCT ANY NECESSARY EARTHWORK OPERATIONS ON SHOULDERS AND IN DITCHES UNDER TRAFFIC USING TEMPORARY SHOULDER CLOSURES OR LANE SHIFTS AND FLAGGERS.

PHASE 2

- COMPLETE ANY MILLING AND PAVEMENT OVERLAY UNDER TRAFFIC USING TEMPORARY LANE CLOSURES AND FLAGGERS.

- PAVE IMPROVEMENTS THRU THE BINDER LAYER AND MARK WITH PAINTED PAVEMENT MARKING IN PERMANENT LOCATION UNDER TRAFFIC USING TEMPORARY LANE CLOSURES AND FLAGGERS.

ARMORY DRIVE NO. 1 & SR 32 INTERSECTION

PHASE 1

- CONDUCT ANY NECESSARY EARTHWORK OPERATIONS ON SHOULDERS AND IN DITCHES UNDER TRAFFIC USING TEMPORARY SHOULDER CLOSURES OR LANE SHIFTS AND FLAGGERS.

- THE USE OF TEMPORARY LANE CLOSURES AND FLAGGERS SHALL BE UTILIZED AS APPROVED AND DIRECTED BY THE ENGINEER DURING THE GRADING AND PAVING OPERATIONS IN THIS LOCATION.

- CONSTRUCTION OF PROPOSED GRADE SHALL BE CONDUCTED IN SUCH A MANNER THAT ACCESS TO ARMORY DRIVE IS MAINTAINED AT ALL TIMES.

- AT THE END OF EACH DAY OF WORK, THE ROAD SHALL BE TEMPORARILY FINISHED IN 303-01 IN SUCH A MANNER THAT TRAFFIC CAN FLOW IN BOTH DIRECTIONS SAFELY.

- LOCATIONS REQUIRING MILLING OPERATIONS SHALL BE COMPLETED UNDER TRAFFIC USING TEMPORARY LANE CLOSURES AND FLAGGERS.

- PAVE IMPROVEMENTS THRU THE BINDER LAYER AND MARK WITH PAINTED PAVEMENT MARKING IN PERMANENT LOCATION UNDER TRAFFIC USING TEMPORARY LANE CLOSURES AND FLAGGERS.

MAJOR JIM BURNETT DRIVE & SR 32 INTERSECTION

CONSTRUCTION OF THIS INTERSECTION WILL BE CONDUCTED DURING PHASE 1 OF SR 32 UTILIZING A ROAD CLOSURE.

ARMORY DRIVE NO. 2 & SR 32 INTERSECTION

PHASE 1

- CONDUCT ANY NECESSARY EARTHWORK OPERATIONS ON SHOULDERS AND IN DITCHES UNDER TRAFFIC USING TEMPORARY SHOULDER CLOSURES OR LANE SHIFTS AND FLAGGERS.

PHASE 2

- COMPLETE ANY MILLING OPERATIONS UNDER TRAFFIC USING TEMPORARY LANE CLOSURES AND FLAGGERS.

PHASE 3

- PAVE IMPROVEMENTS THRU THE BINDER LAYER AND MARK WITH PAINTED PAVEMENT MARKING IN PERMANENT LOCATION UNDER TRAFFIC USING TEMPORARY LANE CLOSURES AND FLAGGERS.

COSBY CUTOFF NO. 1 & SR 32 INTERSECTION

CONSTRUCTION OF THIS INTERSECTION WILL BE CONDUCTED DURING PHASE 1 OF SR 32 UTILIZING A ROAD CLOSURE.

COSBY CUTOFF NO. 2 & SR 32 INTERSECTION

CONSTRUCTION OF THIS INTERSECTION WILL BE PHASED IN CONJUNCTION WITH SR 32 PHASES 1, 2, 2A & 2B AS PREVIOUSLY DESCRIBED.

EPLEY ROAD & SR 32 INTERSECTION

CONSTRUCTION OF THIS INTERSECTION WILL BE PHASED IN CONJUNCTION WITH SR 32 PHASES 1, 2, 2A & 2B AS PREVIOUSLY DESCRIBED.

NOTE:

COSBY CUTOFF NO. 1 & COSBY CUTOFF NO. 2 MUST BE STAGED IN ORDER TO PREVENT CLOSURE OF BOTH LOCATIONS SIMULTANEOUSLY.

FINAL SURFACE COURSE & PAVEMENT MARKING:

UPON COMPLETION OF ALL OTHER CONSTRUCTION ACTIVITIES, ALL ROADWAYS WILL BE FINISHED WITH FINAL SURFACE COURSE MATERIAL & STRIPED WITH PERMANENT PAVEMENT MARKING.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	SIGN (CONSTRUCTION)
	TEMPORARY BARRICADE (TYPE III)
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

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DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 106139
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL NOTES

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53B

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 2 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 2 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 WORKDAY 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

10/15/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53C

CONSTRUCTION SIGNS

DESCRIPTION	STATE ROUTE 32			REBEL ROAD INTERSECTION				NO. REQ'D.	SIZE	SIGN I.D. NO.	QTY.	UNIT
	PHASE I	PHASE 2	PHASE 2A	PHASE I	PHASE 2	PHASE 3	PHASE 4					
ROAD WORK NEXT XX MILES	2	2	2					2	36"X18"	G20-1	9	S.F.
END ROAD WORK	23	24	24	1	1	1	1	25	36"X18"	G20-2	112.5	S.F.
DETOUR ARROW LEFT	1							1	48"X18"	M4-10L	6	S.F.
DETOUR ARROW RIGHT	1							1	48"X18"	M4-10R	6	S.F.
END DETOUR	3							3	24"X18"	M4-8A	9	S.F.
DETOUR W/ARROW LEFT	3							3	24"X48"	M4-9L	24	S.F.
DETOUR W/ARROW RIGHT	3							3	24"X48"	M4-9R	24	S.F.
STOP						1	1	1	36"X36"	R1-1	9	S.F.
ROAD CLOSED	29		3		2	4	2	33	48"X30"	R11-2	330	S.F.
ROAD CLOSED TO THRU TRAFFIC	2							2	60"X30"	R11-4	25	S.F.
NO RIGHT TURN SYMBOL	2		1					2	24"X24"	R3-1	8	S.F.
NO LEFT TURN SYMBOL	2		1					2	24"X24"	R3-2	8	S.F.
NO RIGHT TURN SYMBOL			1					1	36"X36"	R3-1	9	S.F.
NO LEFT TURN SYMBOL			1					1	36"X36"	R3-2	9	S.F.
LEFT/STRAIGHT AND RIGHT ONLY		1						1	24"X30"	R3-8	5	S.F.
KEEP RIGHT		1	1					1	24"X30"	R4-7B	5	S.F.
COSBY CUTOFF ROAD	6							6	24"X48"	SP-1	48	S.F.
LANE SHIFT RIGHT		1	1					1	36"X36"	W1-4R	9	S.F.
ROAD WORK AHEAD	22	23	23	1	1	1	1	24	36"X36"	W20-1	216	S.F.
ROAD WORK XX FT. (MI.)	3	3	3					3	36"X36"	W20-1	27	S.F.
DETOUR AHEAD	2							2	36"X36"	W20-2	18	S.F.
ROAD CLOSED AHEAD	2							2	36"X36"	W20-3	18	S.F.
LEFT LANE CLOSED XX FT		2	2					2	36"X36"	W20-5L	18	S.F.
FLAGGER SYMBOL	4							4	36"X36"	W20-7	36	S.F.
FLAGGER AHEAD	4							4	36"X36"	W20-7A	36	S.F.
LANE REDUCTION LEFT		2	2					2	36"X36"	W4-2L	18	S.F.
ITEM 712-06 SIGNS (CONSTRUCTION)											**1042.5**	**S.F.**

ITEMIZED TRAFFIC CONTROL DEVICES

	ITEM NO.	DESCRIPTION	STATE ROUTE 32			REBEL ROAD INTERSECTION				TOTAL NO. REQ'D.	UNITS
			PHASE 1	PHASE 2	PHASE 2A (ADDITIONAL ITEMS)	PHASE 1	PHASE 2	PHASE 3	PHASE 4		
1	705-08.51	PORTABLE IMACT ATTENUATOR NCHRP350 TL-3								2	EACH
1	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL								500	L.F.
	712-04.01	FLEXIBLE DRUMS(CHANNELIZING)	444	450	101	14	14		11	464	EACH
1	712-04.50	PORTABLE BARRIER RAIL DELINEATOR								26	EACH
	712-05.01	WARNING LIGHTS (TYPE A)				2				2	EACH
1	712-05.03	WARNING LIGHTS (TYPE C)	5	5						5	EACH
	712-06	SIGNS (CONSTRUCTION)								1043	S.F.
	712-07.03	TEMPORARY BARRICADES (TYPE III)	864	324	156		36	72	24	936	L.F.
	712-08.03	ARROW BOARD (TYPE C)		2	1					2	EACH
1	713-16.01	CHANGEABLE MESSAGE SIGN UNIT								2	EACH
	716-05.05	PAINTED PAVEMENT MARKING (STOP LINE)		248	95			22	20	385	L.F.
	716-05.06	PAINTED PAVEMENT MARKING (TURN LANE ARROW)		2	5					7	EACH
	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	0.06	12.54	1.47			0.27	0.28	14.62	L.M.

1 TO BE USED WHERE AND AS DIRECTED BY THE ENGINEER

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104213
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL QUANTITIES

10/15/2014
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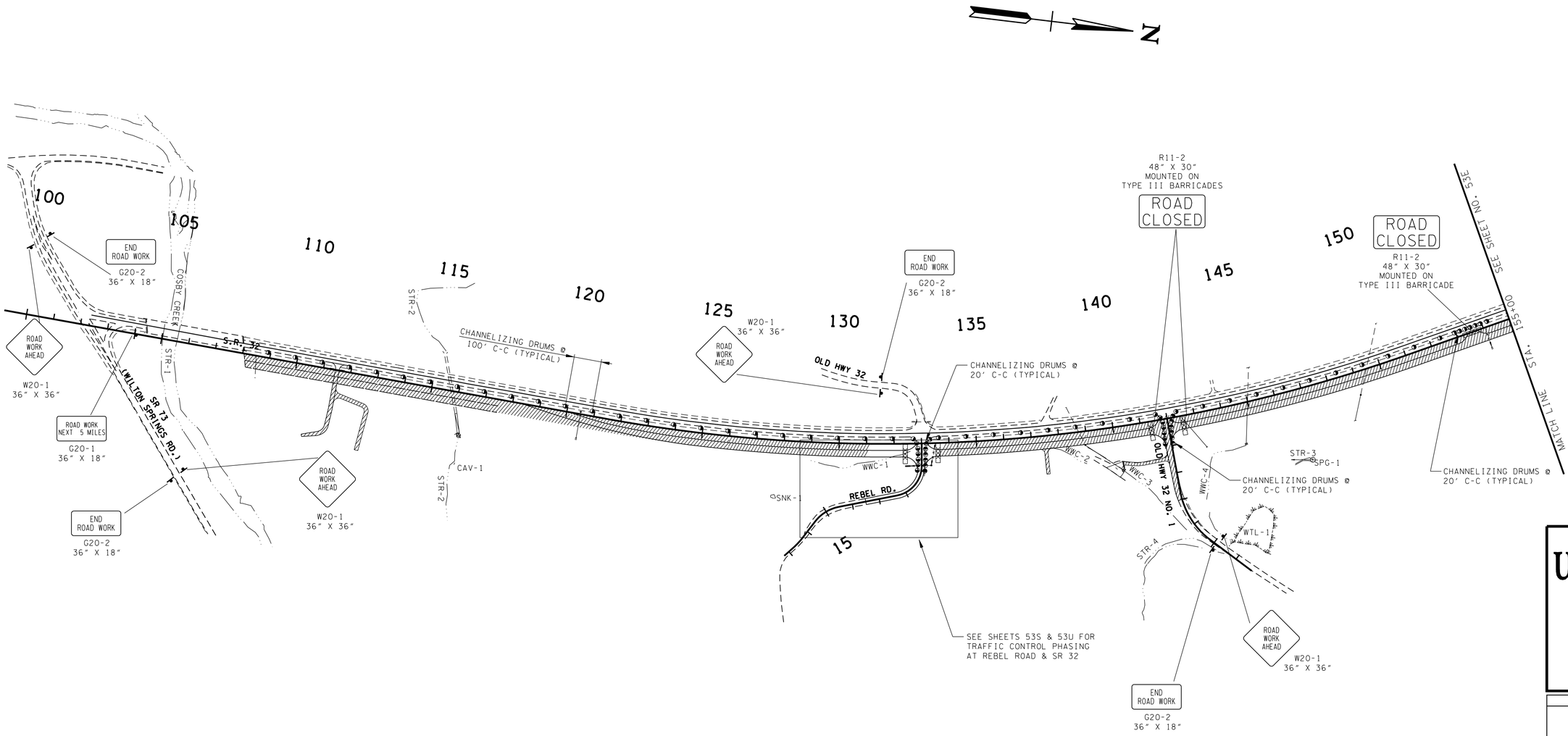
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53D



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SEALED BY

Brian H. Trotter
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STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 1

BEGIN PROJ. TO STA. 155+00

SCALE: 1"=200'

10/15/2014
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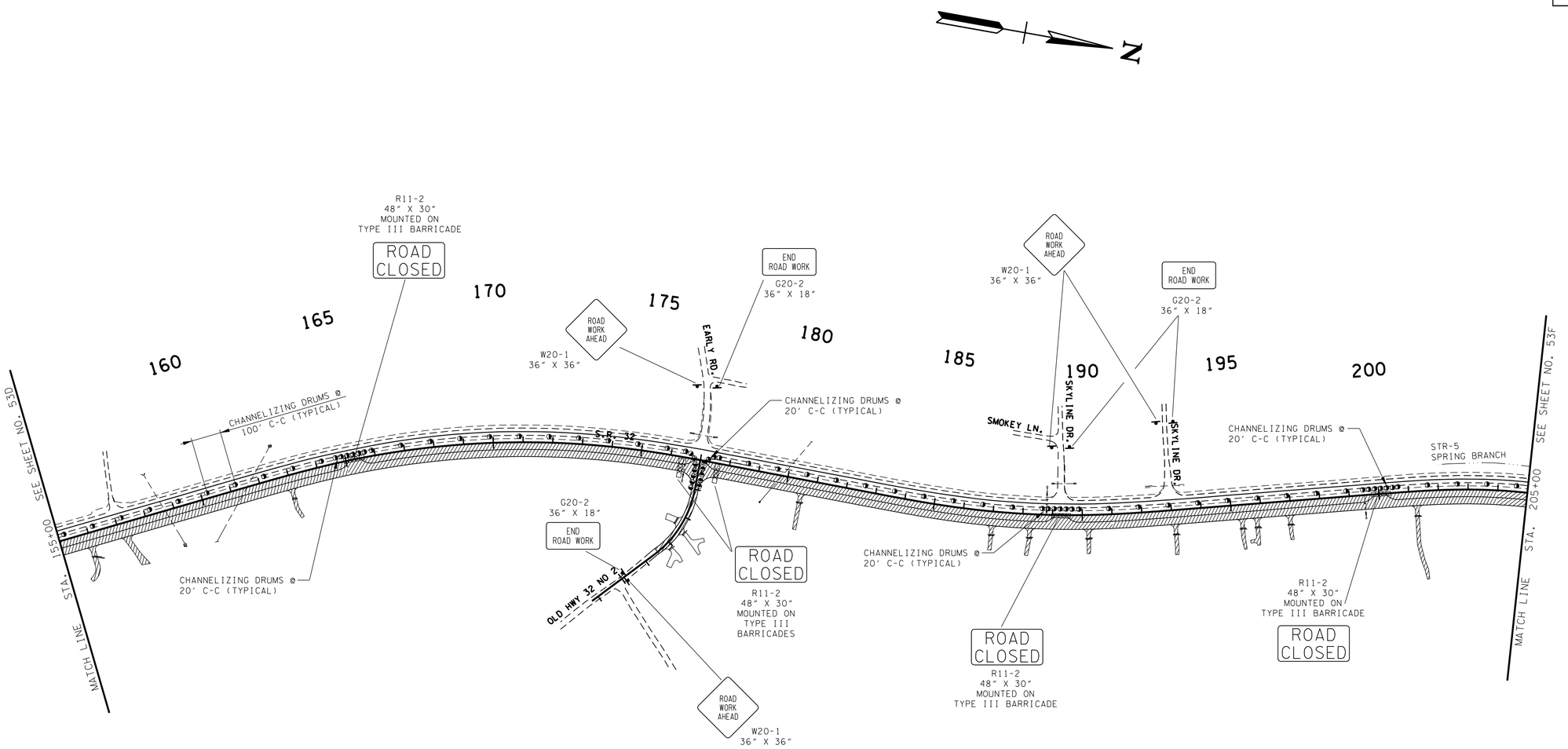
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53E



UNOFFICIAL SET

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SEALED BY

Brian H. Trotter
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DEPARTMENT OF AGRICULTURE
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NO. 104119
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 1

STA. 155+00 TO STA. 205+00

SCALE: 1"=200'

10/15/2014
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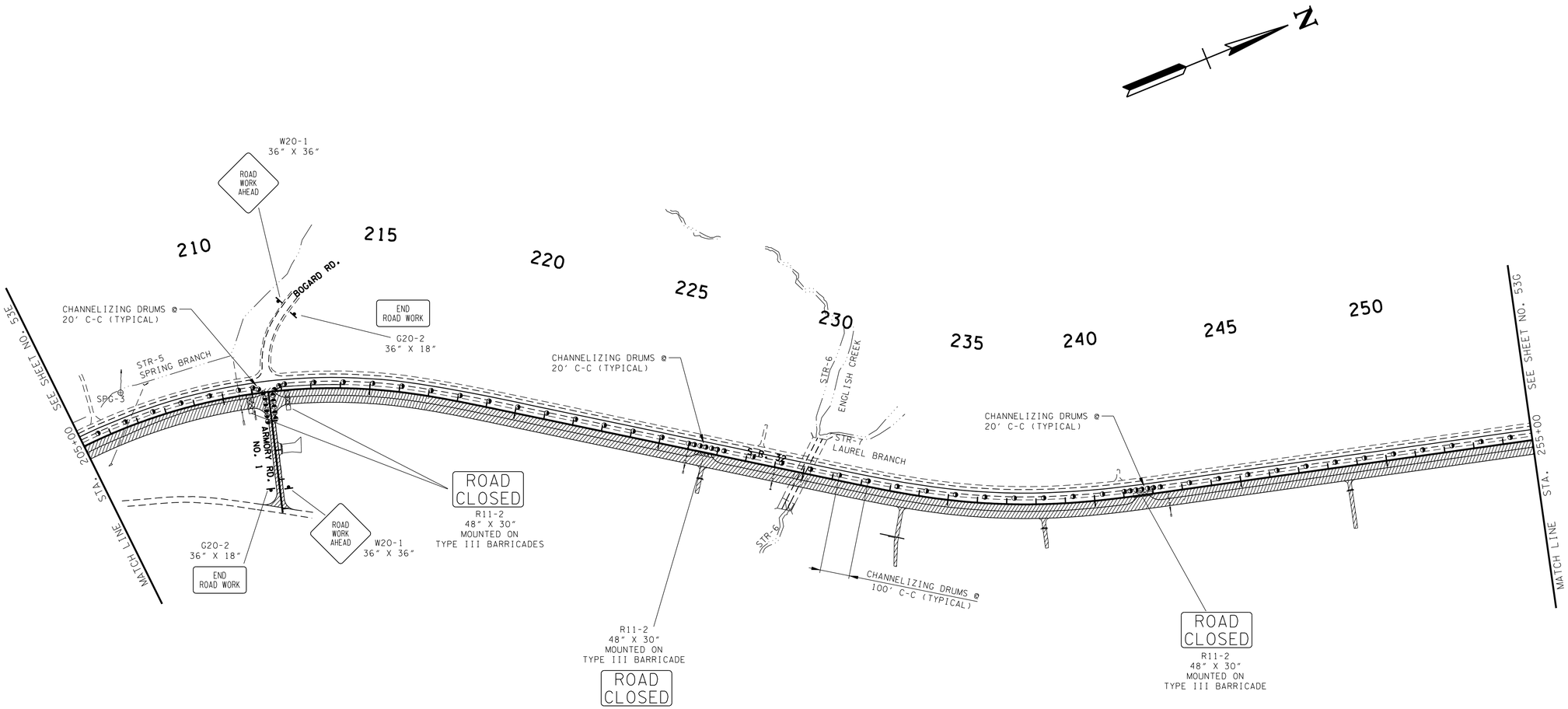
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53F



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
No. 104319
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 1

STA. 205+00 TO STA. 255+00

SCALE: 1"=200'

10/15/2014
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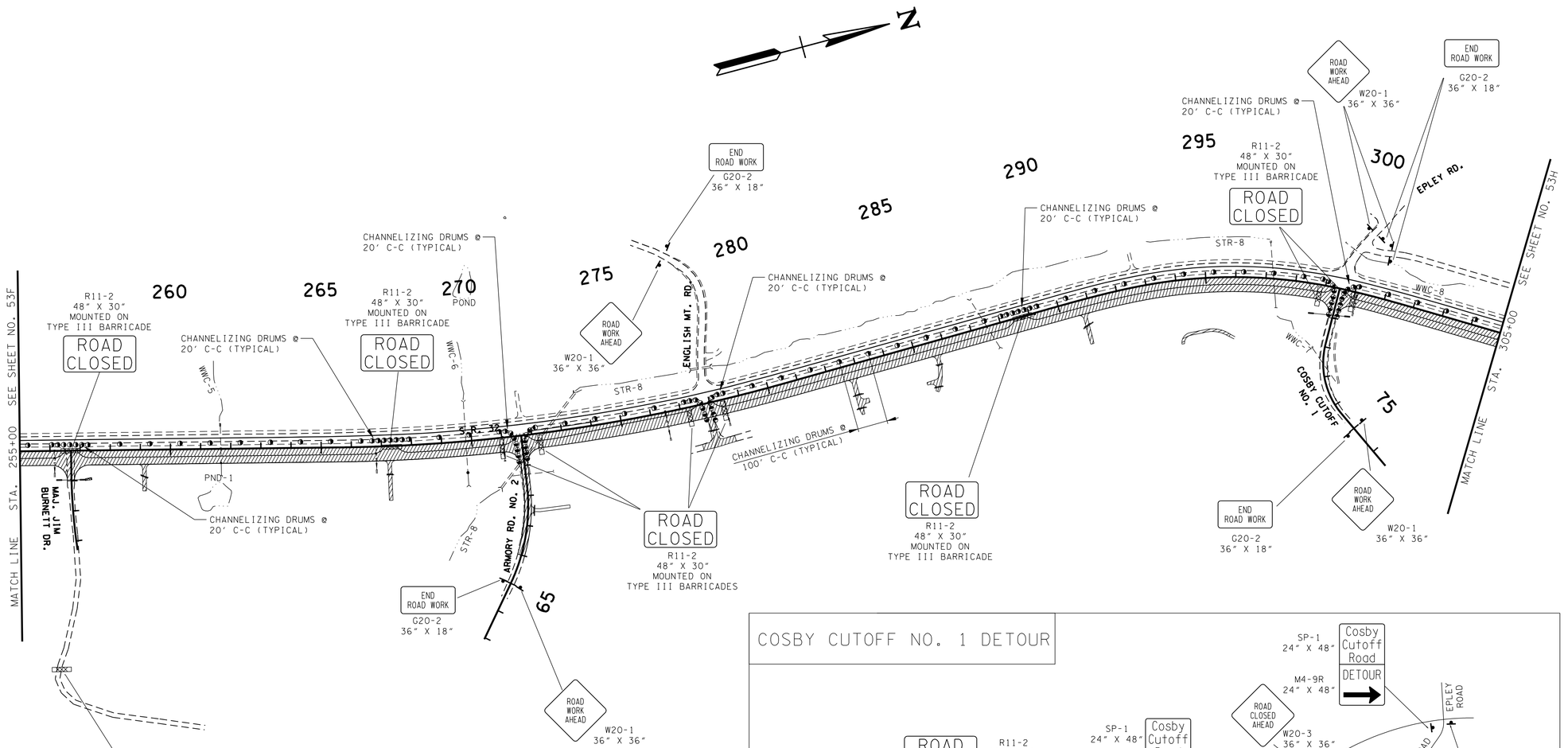
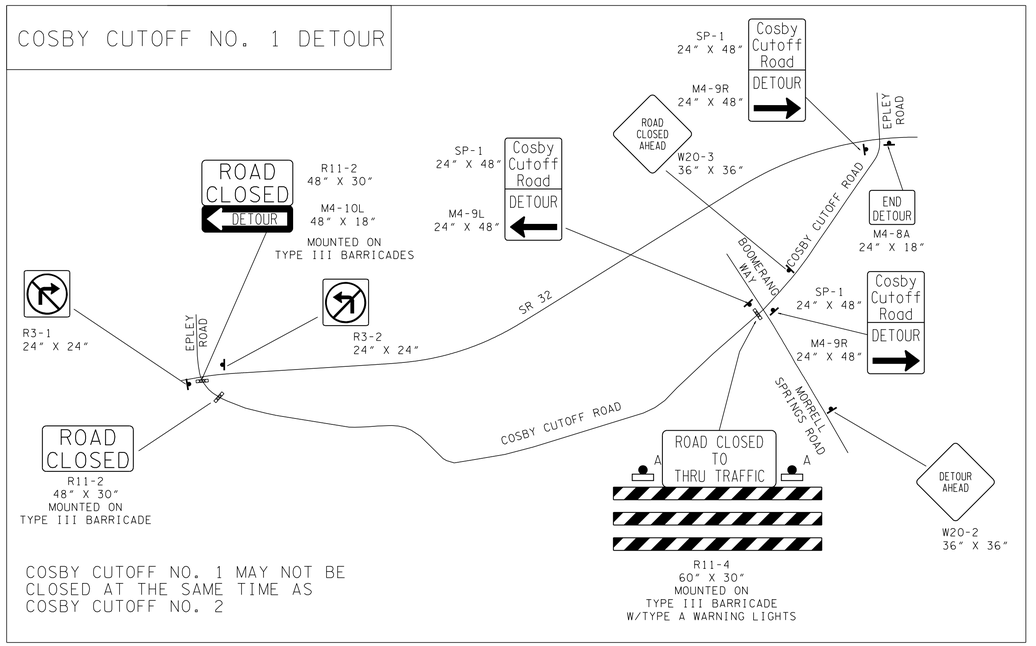
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53G





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SEALED BY

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NO. 104210
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 1

STA. 255+00 TO STA. 305+00

SCALE: 1"=200'

10/15/2014
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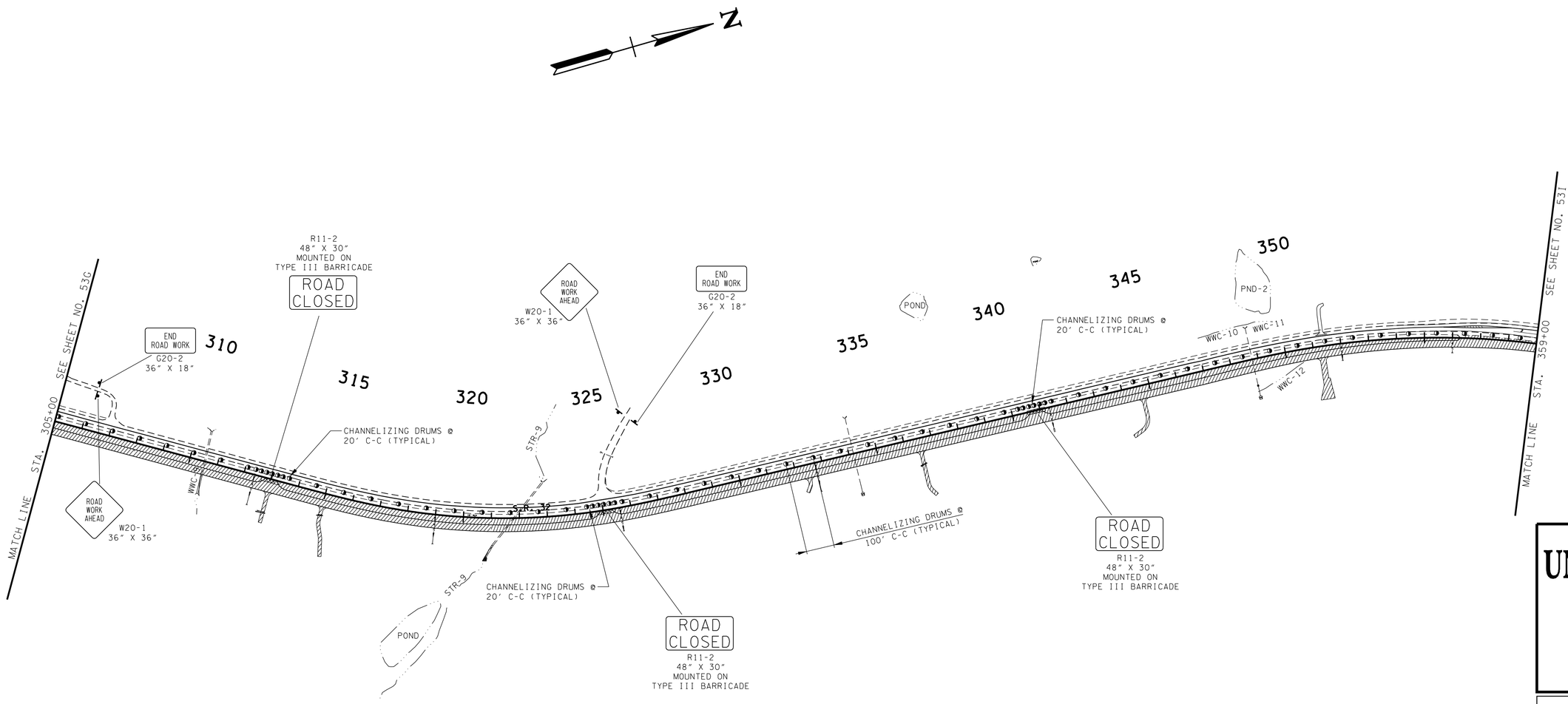
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53H



UNOFFICIAL SET

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SEALED BY

Brian H. Trotter
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DEPARTMENT OF COMMERCE
NO. 104131

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 1

STA. 305+00 TO STA. 359+00

SCALE: 1"=200'

10/15/2014
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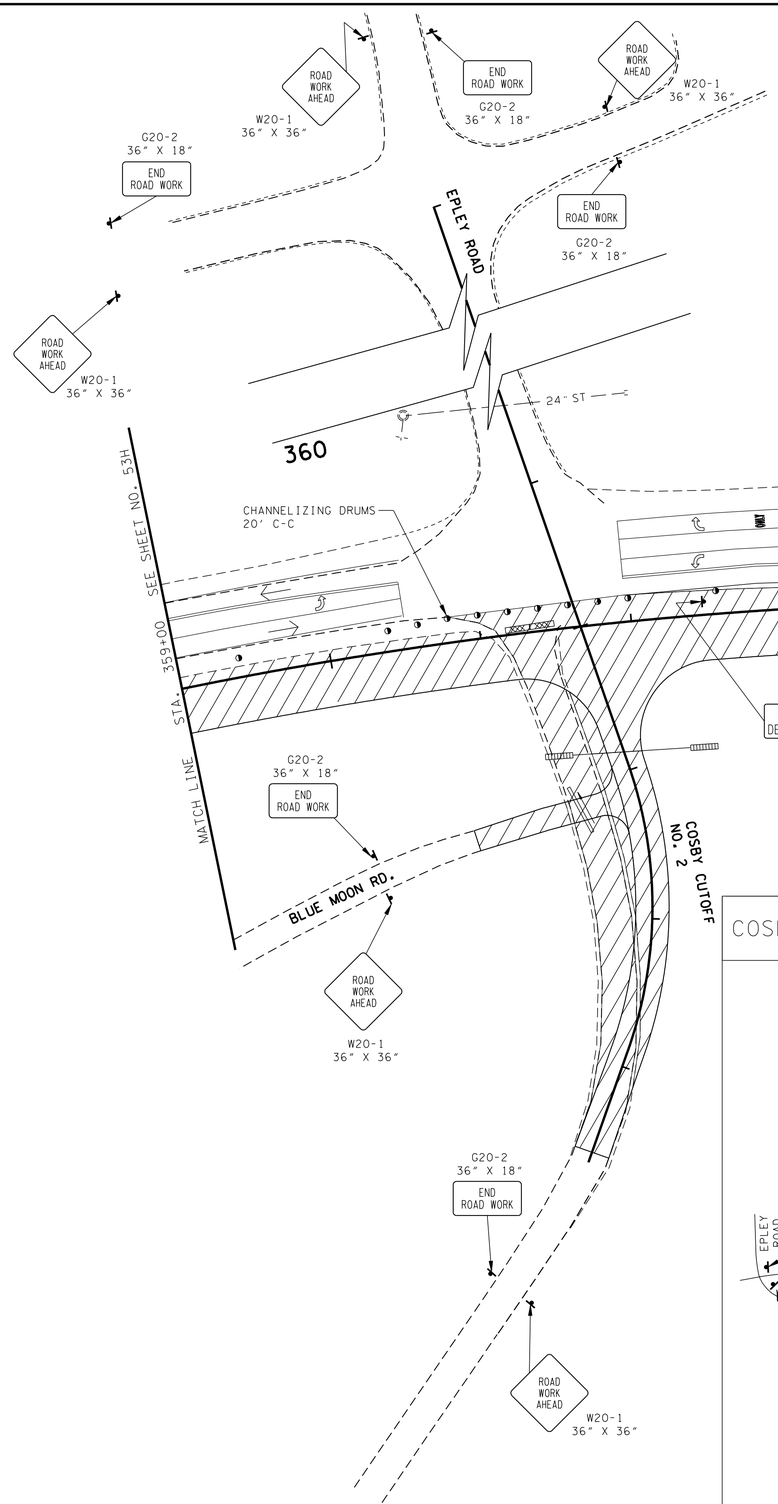
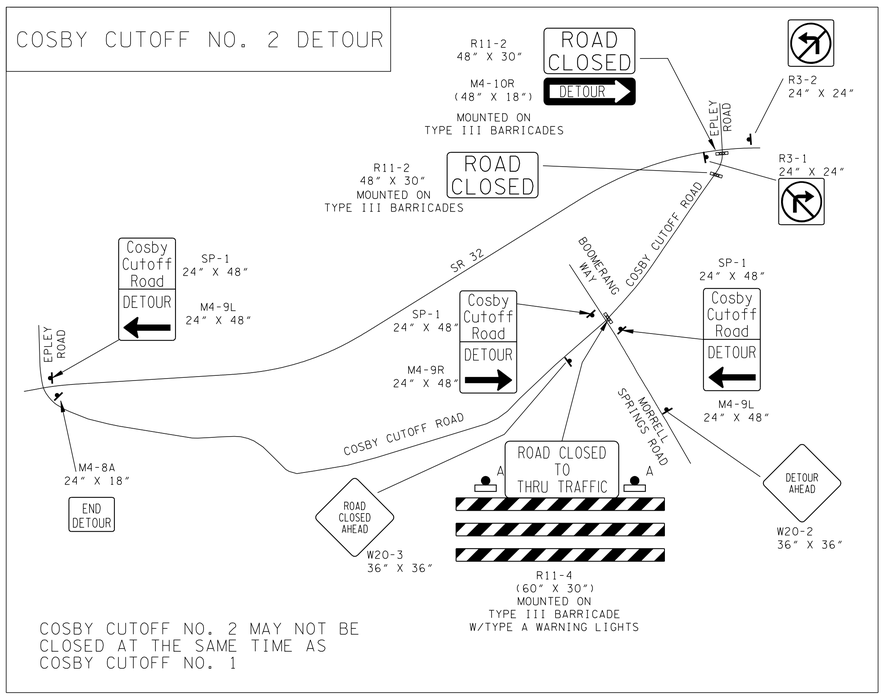
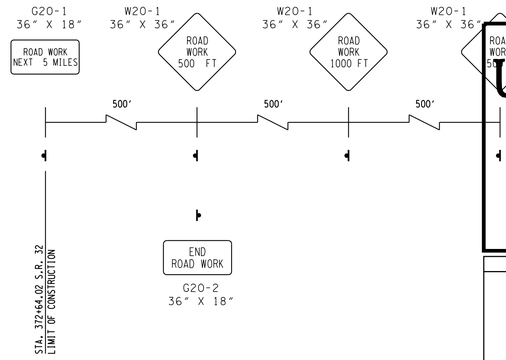
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53I







UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 1

STA. 359+00 TO END PROJ.

SCALE: 1"= 50'

10/15/2014
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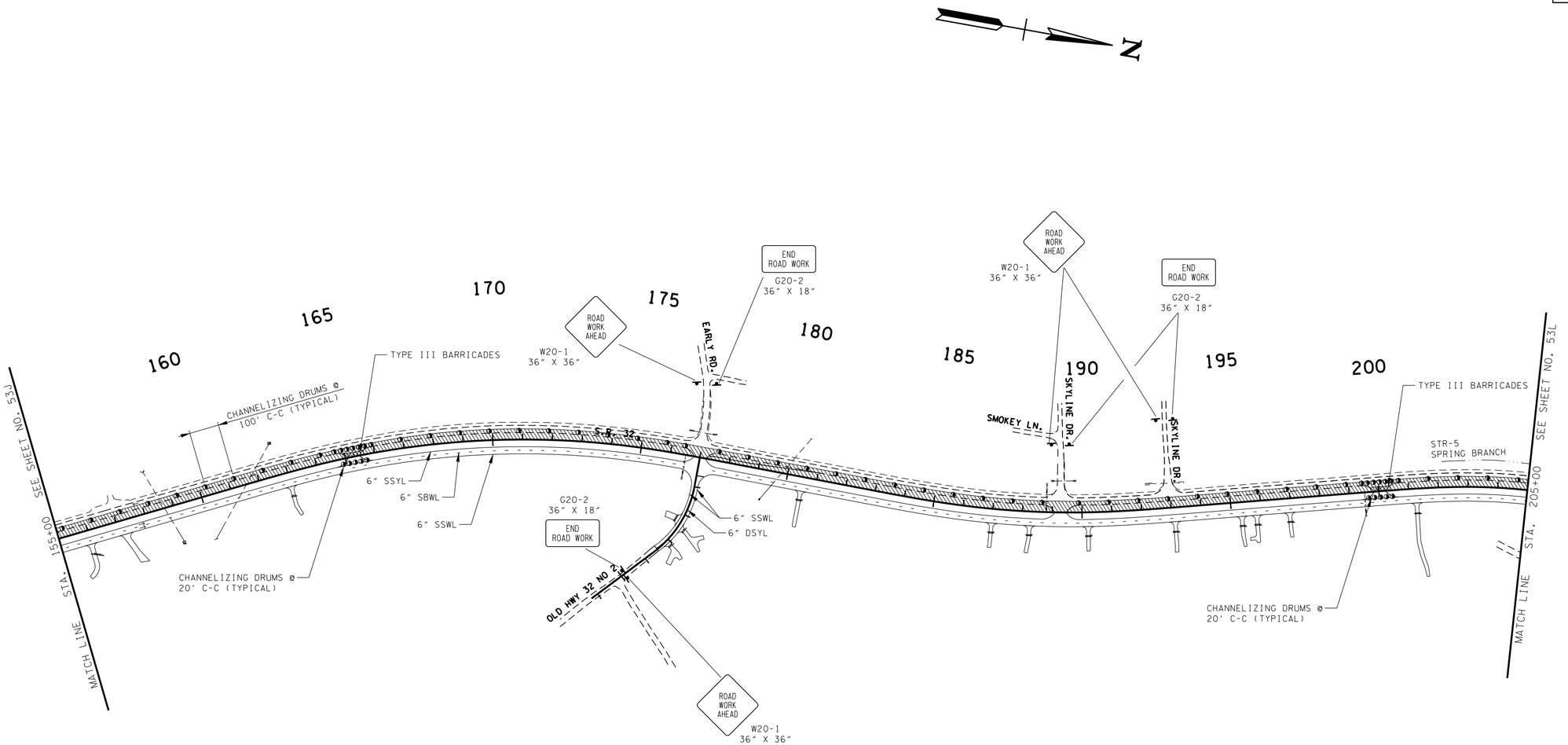
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53K



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2

STA. 155+00 TO STA. 205+00

SCALE: 1"=200'

10/15/2014
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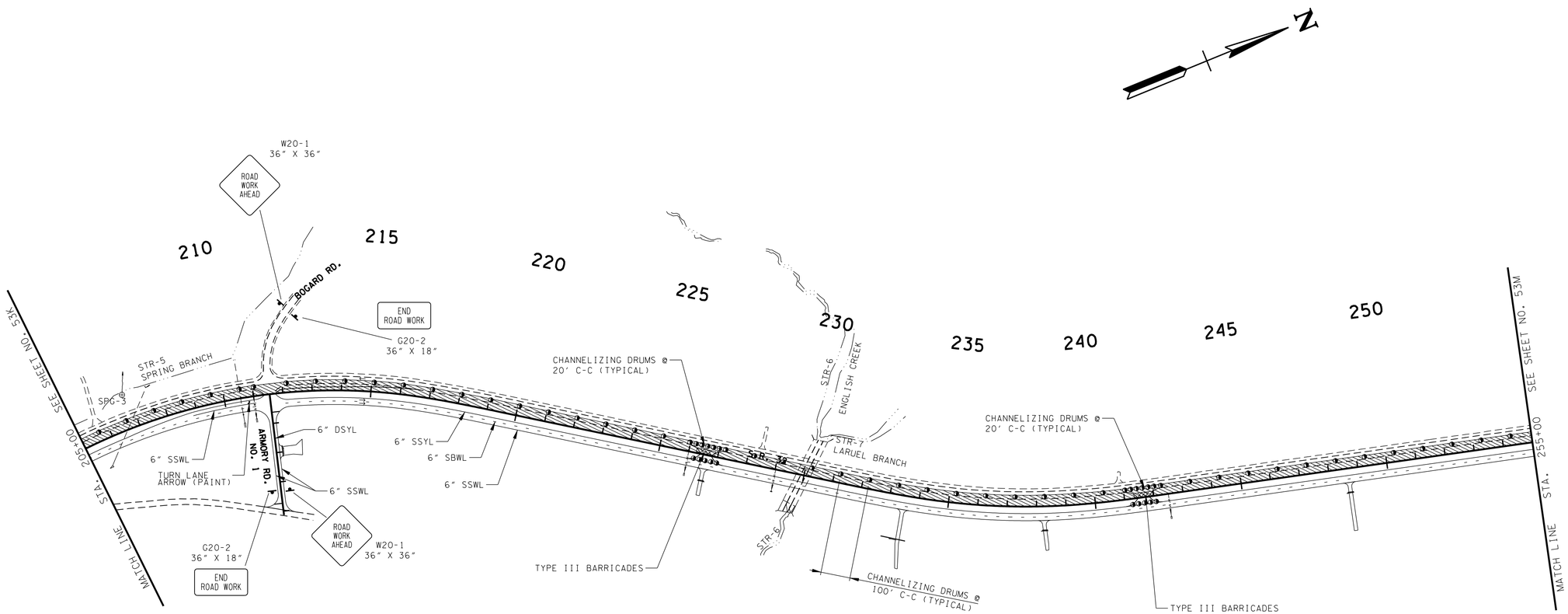
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53L



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104210
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2

STA. 205+00 TO STA. 255+00

SCALE: 1"=200'

10/15/2014
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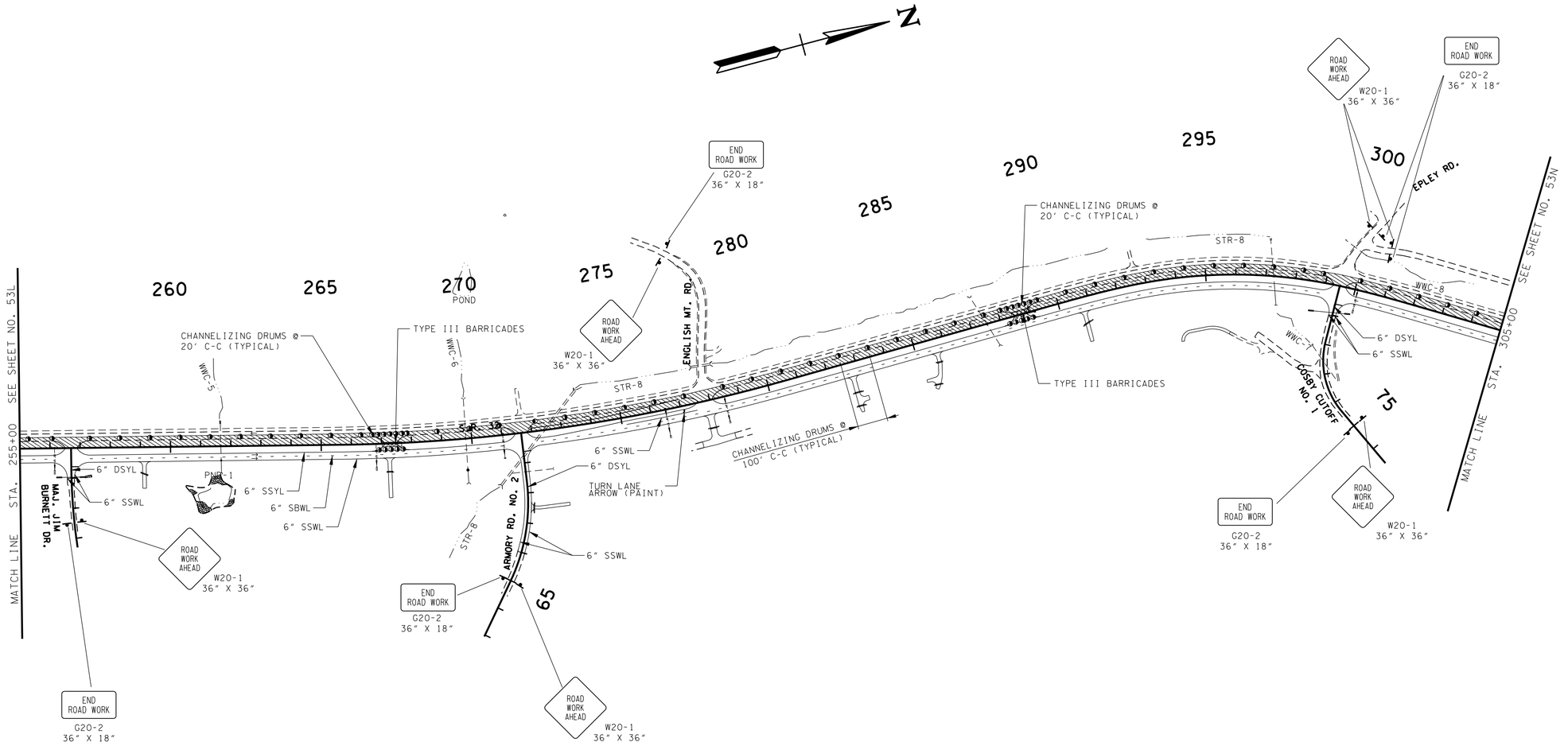
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53M



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104210
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2

STA. 255+00 TO STA. 305+00

SCALE: 1"=200'

10/15/2014
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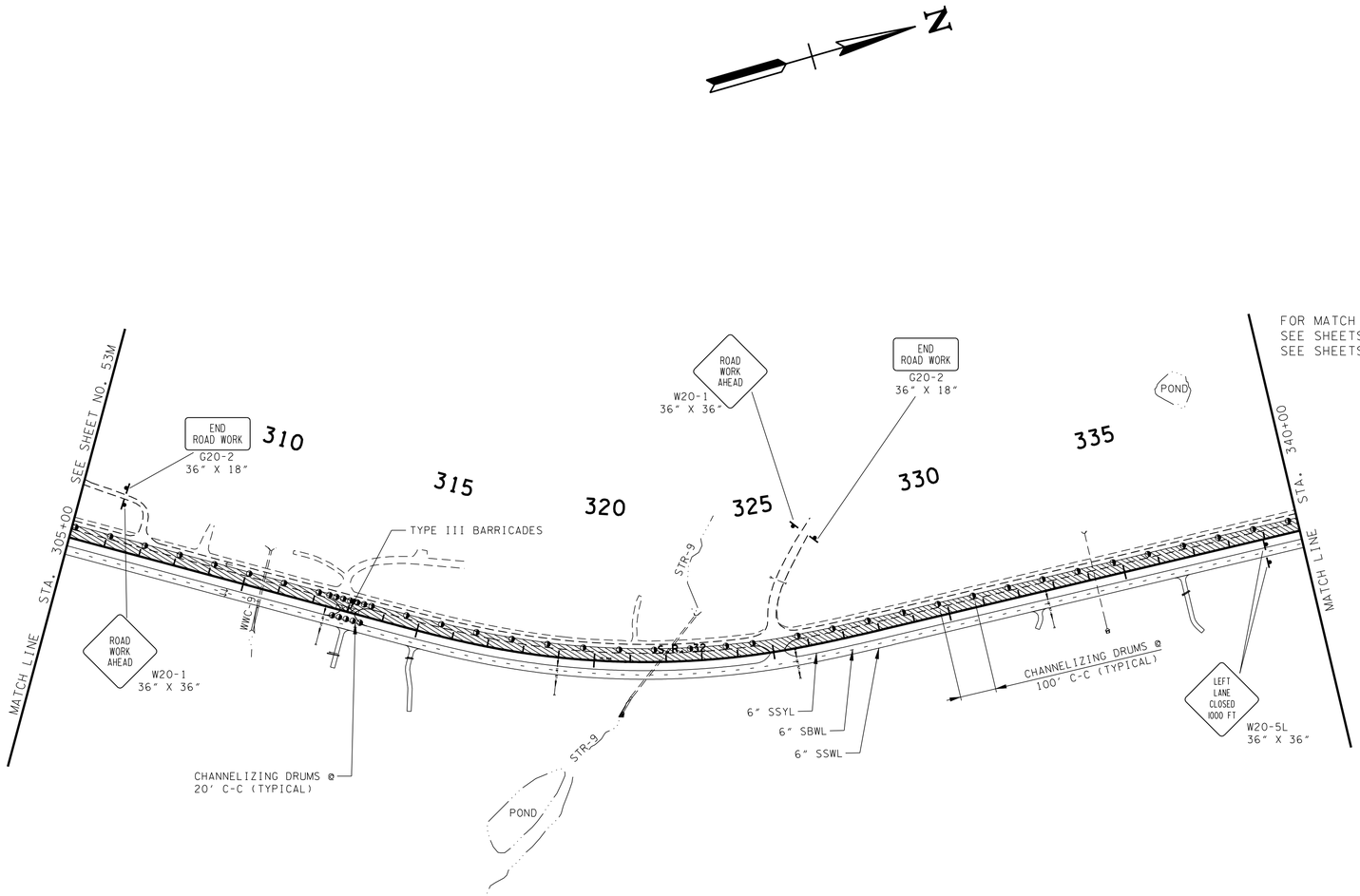
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53N



FOR MATCH LINES
SEE SHEETS 53O-53P FOR PHASE 2
SEE SHEETS 53O-53R FOR PHASE 2A

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 104211

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2

STA. 305+00 TO STA. 340+00

SCALE: 1"=200'

10/15/2014
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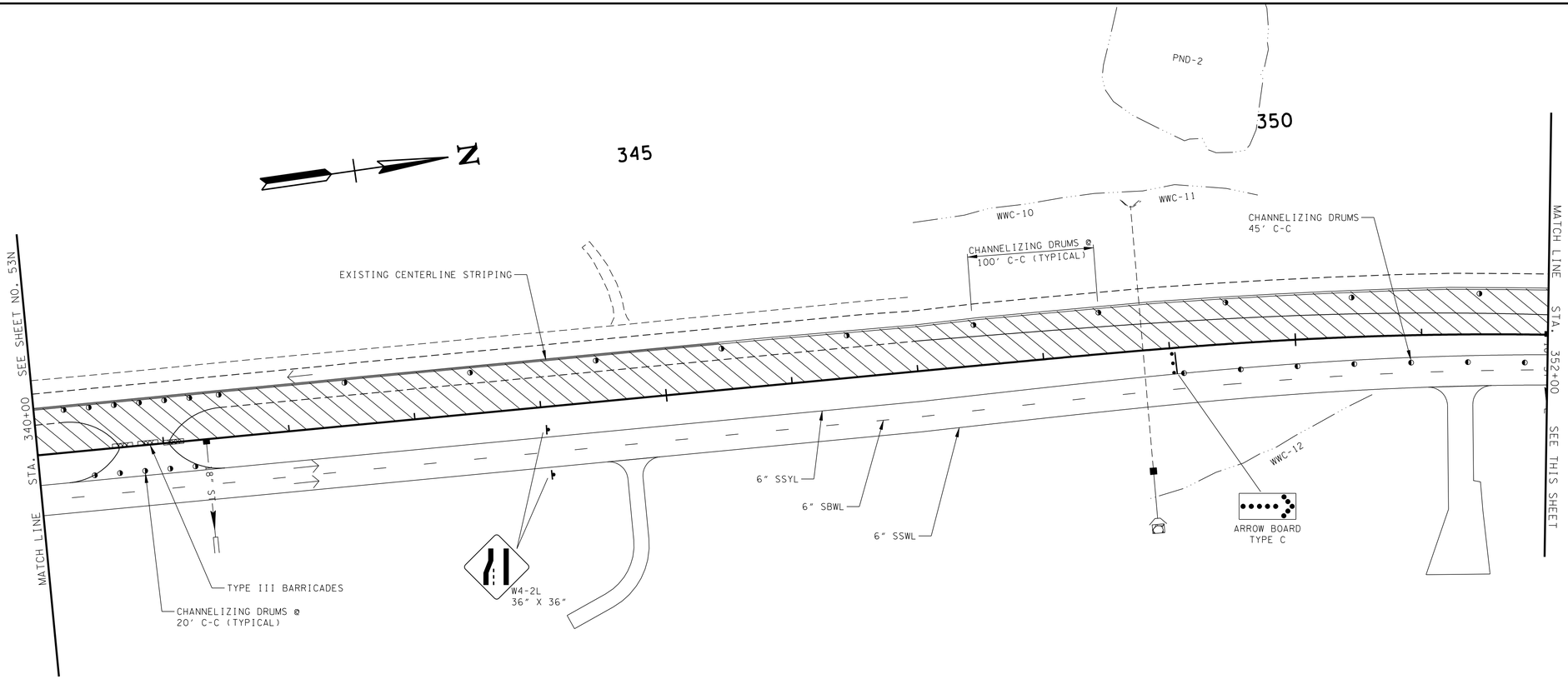
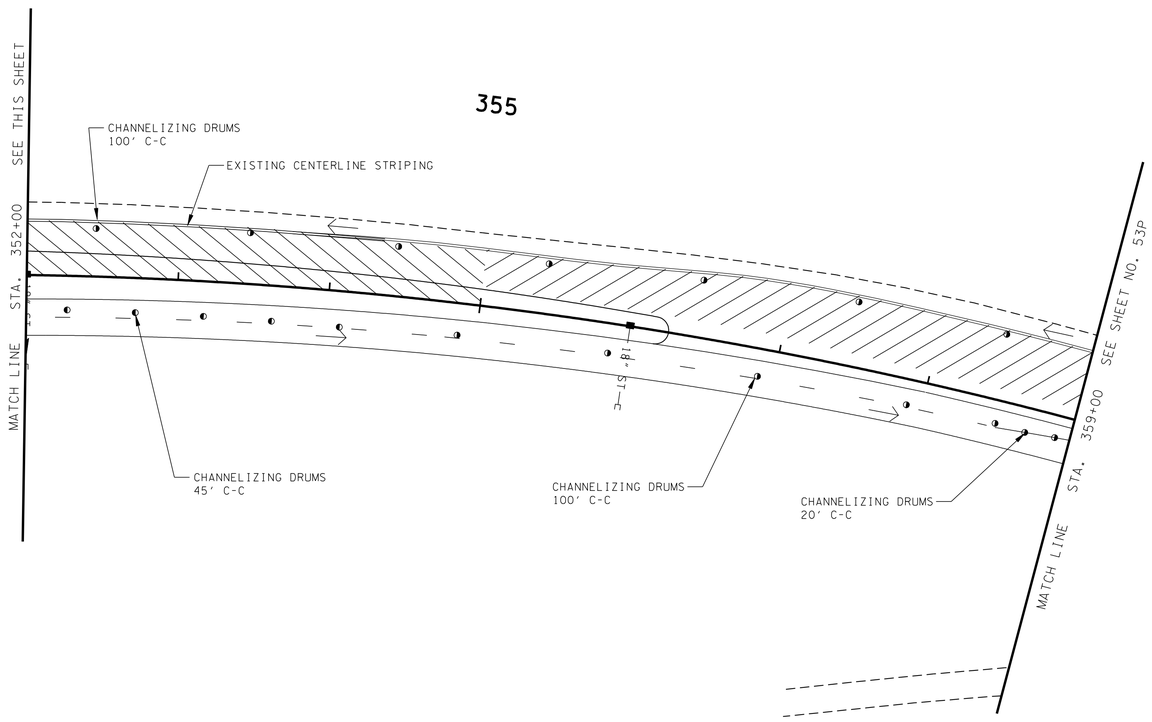
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	530





UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2

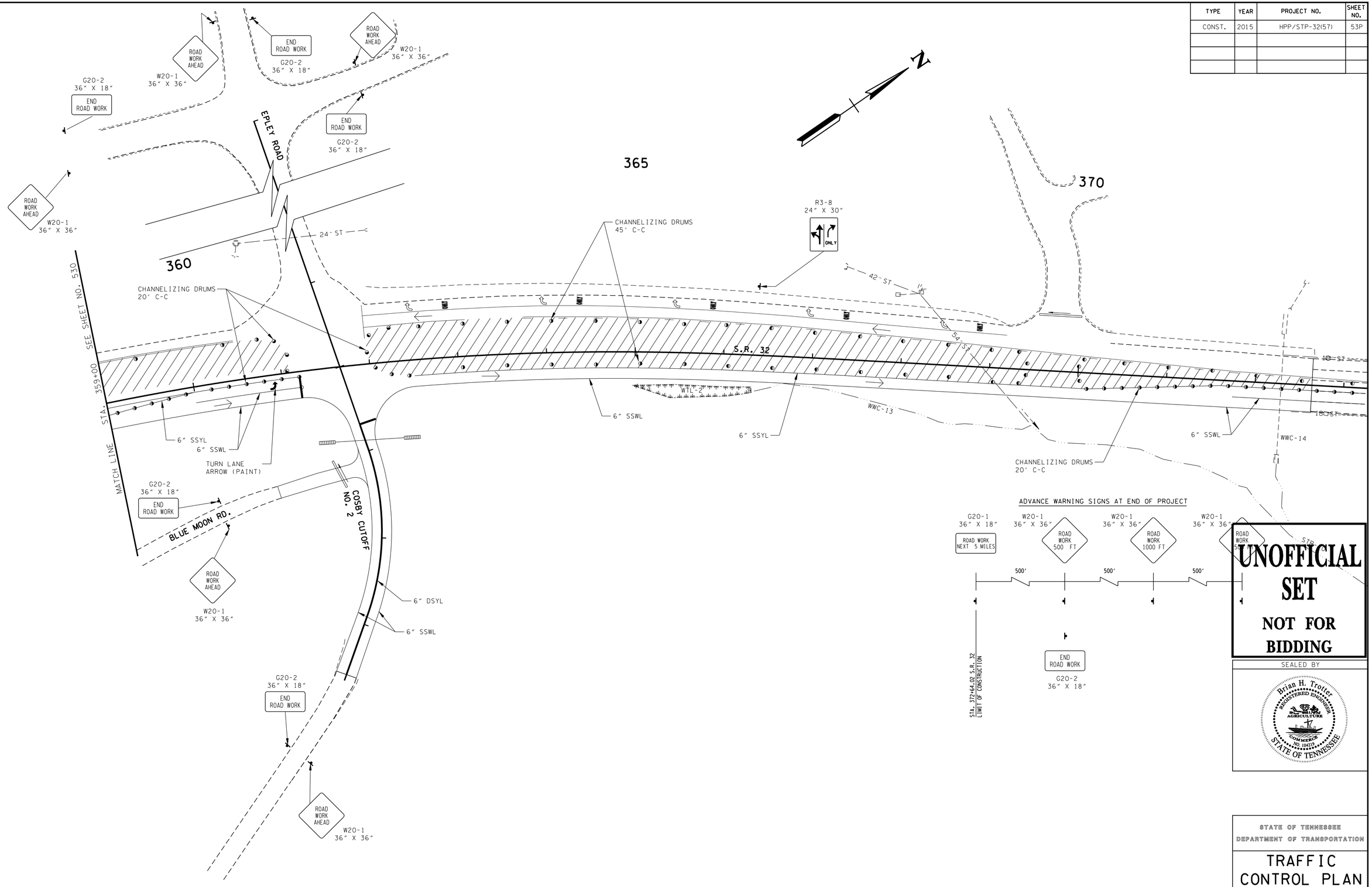
STA. 340+00 TO STA. 359+00

SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\0530.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53P



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2

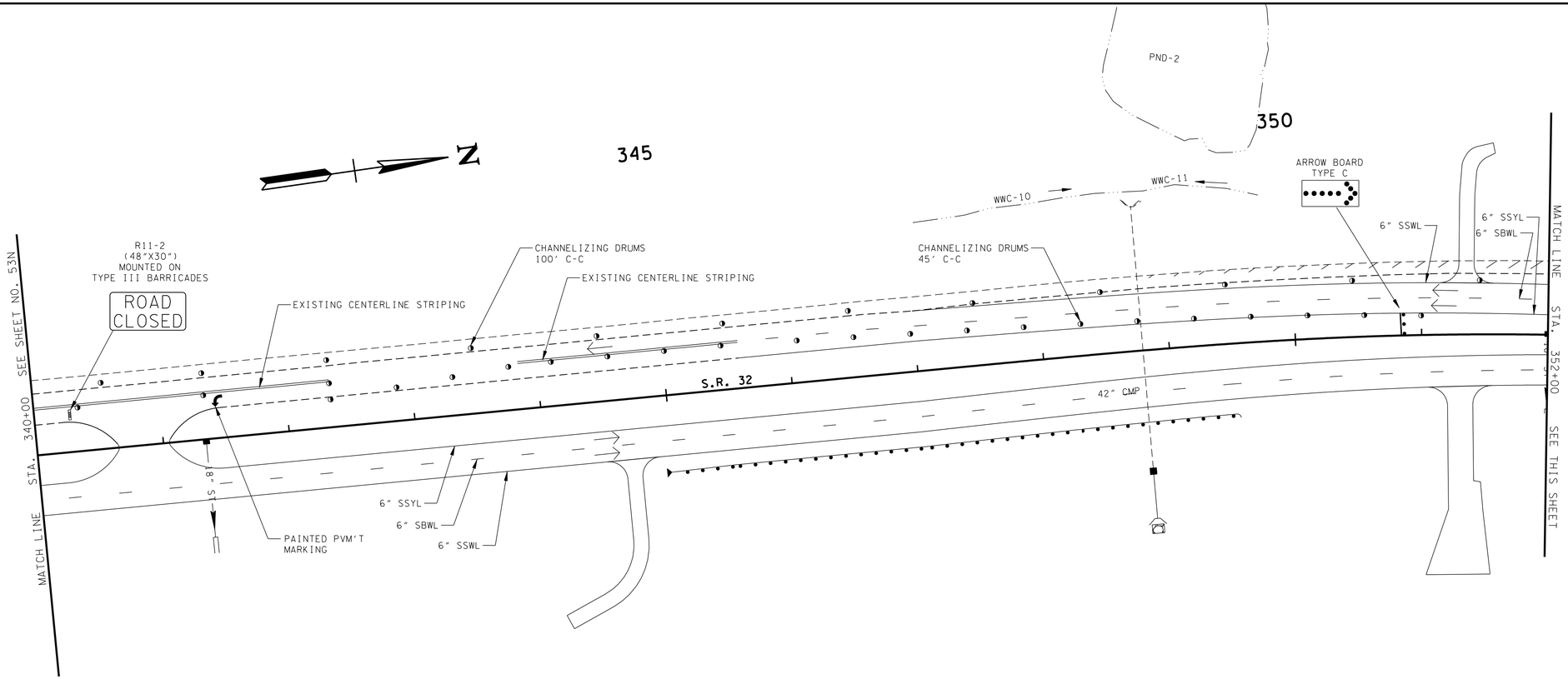
STA. 359+00 TO END PROJ.

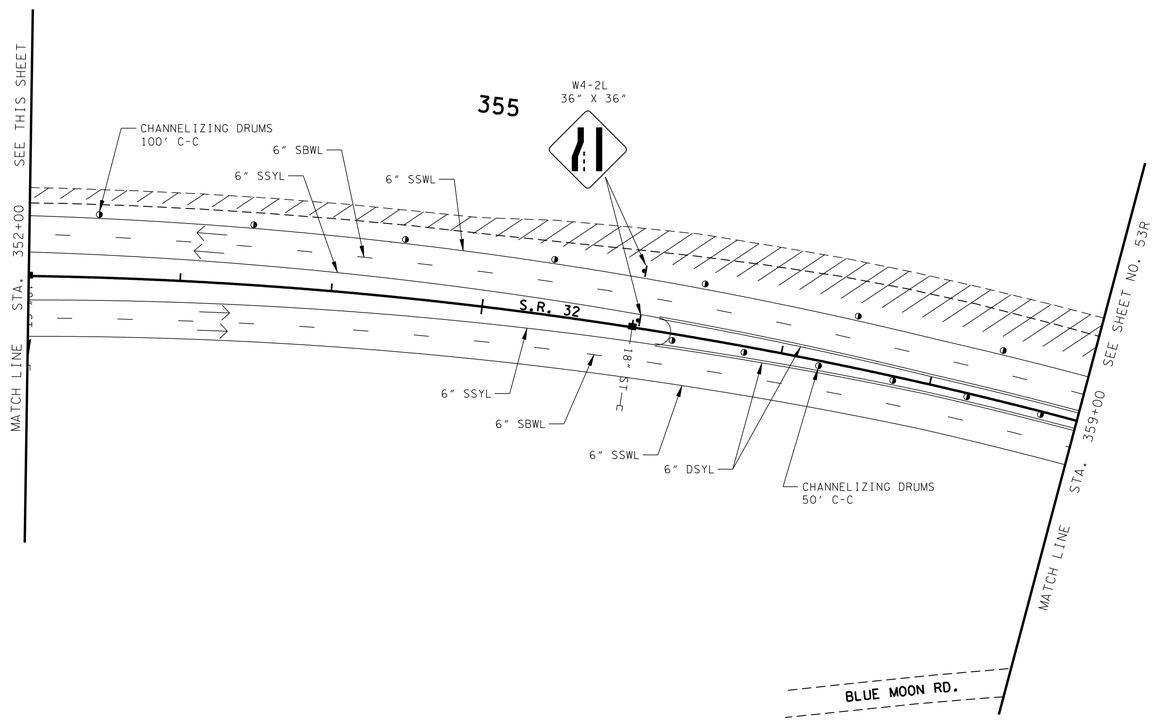
SCALE: 1"= 50'

10/15/2014
h:\07019\dgn\053p.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	530





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Brian H. Trotter
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COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2A

STA. 340+00 TO STA. 359+00

SCALE: 1"= 50'

10/15/2014
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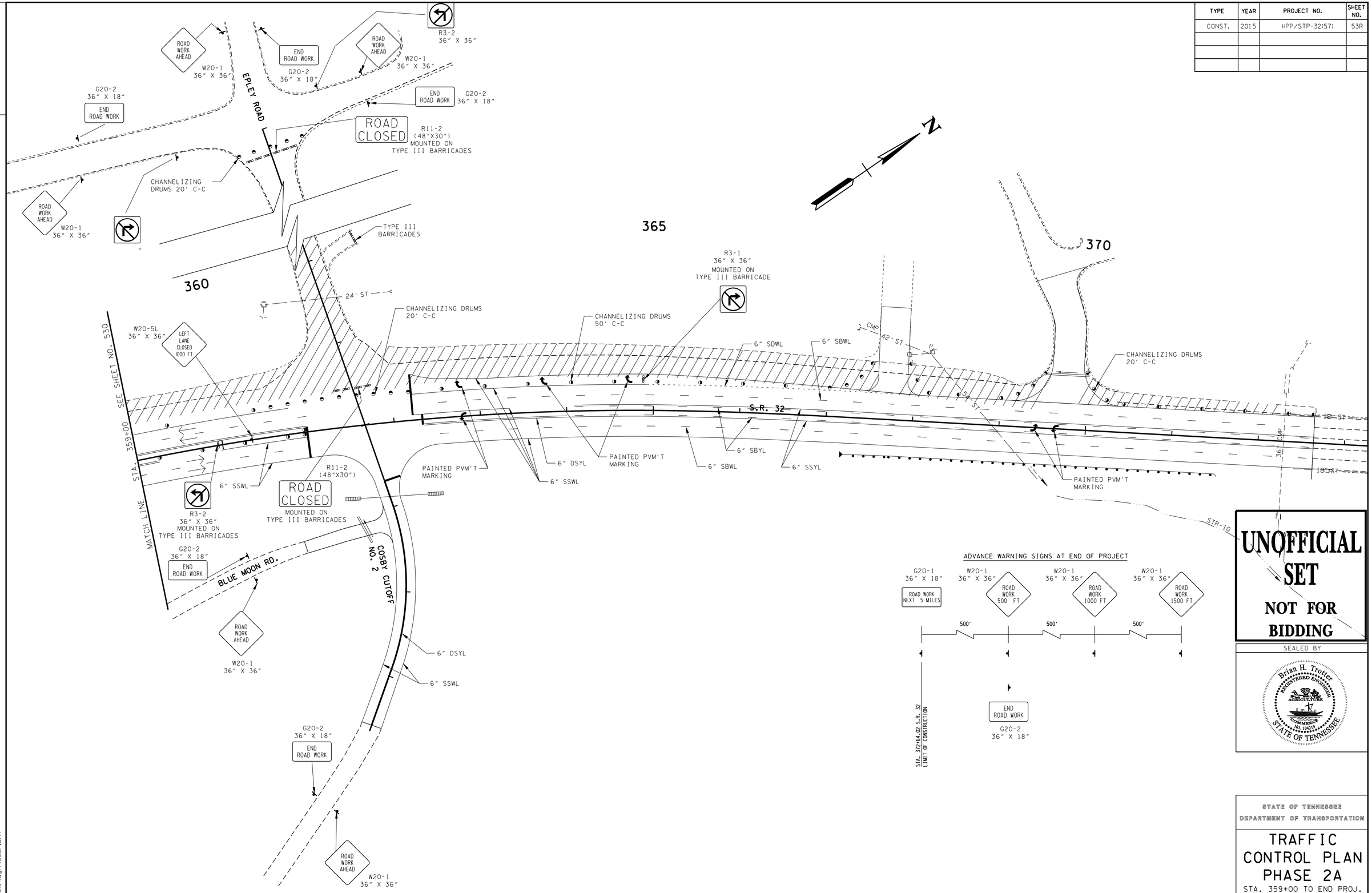
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53R



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SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 104213
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2A

STA. 359+00 TO END PROJ.

SCALE: 1"= 50'

10/15/2014
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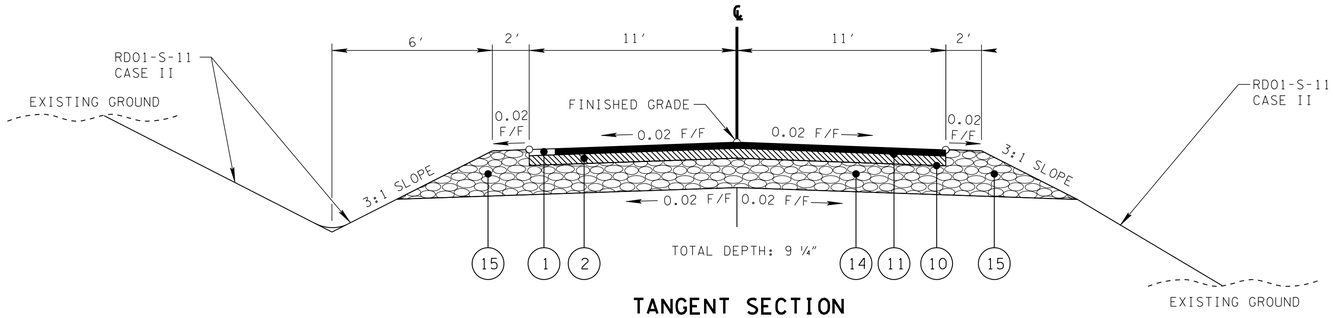
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53S



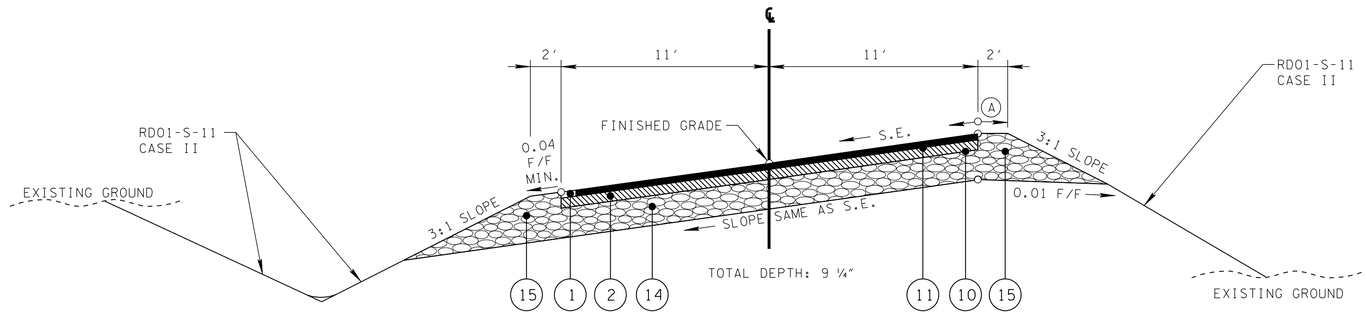
TANGENT SECTION

(BASED ON STD. DWG. RDO1-TS-1)

SEE SHT. 2J FOR THE
PROPOSED PAVEMENT SCHEDULE

REBEL RD. TEMPORARY CONNECTOR STA. 11+08.57 TO STA. 12+33.61

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



SUPERELEVATED SECTION

(BASED ON STD. DWG. RDO1-TS-1)

REBEL RD. TEMPORARY CONNECTOR STA. 12+33.61 TO STA. 14+49.68

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STATE OF TENNESSEE

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DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS REBEL RD. TEMPORARY CONNECTOR

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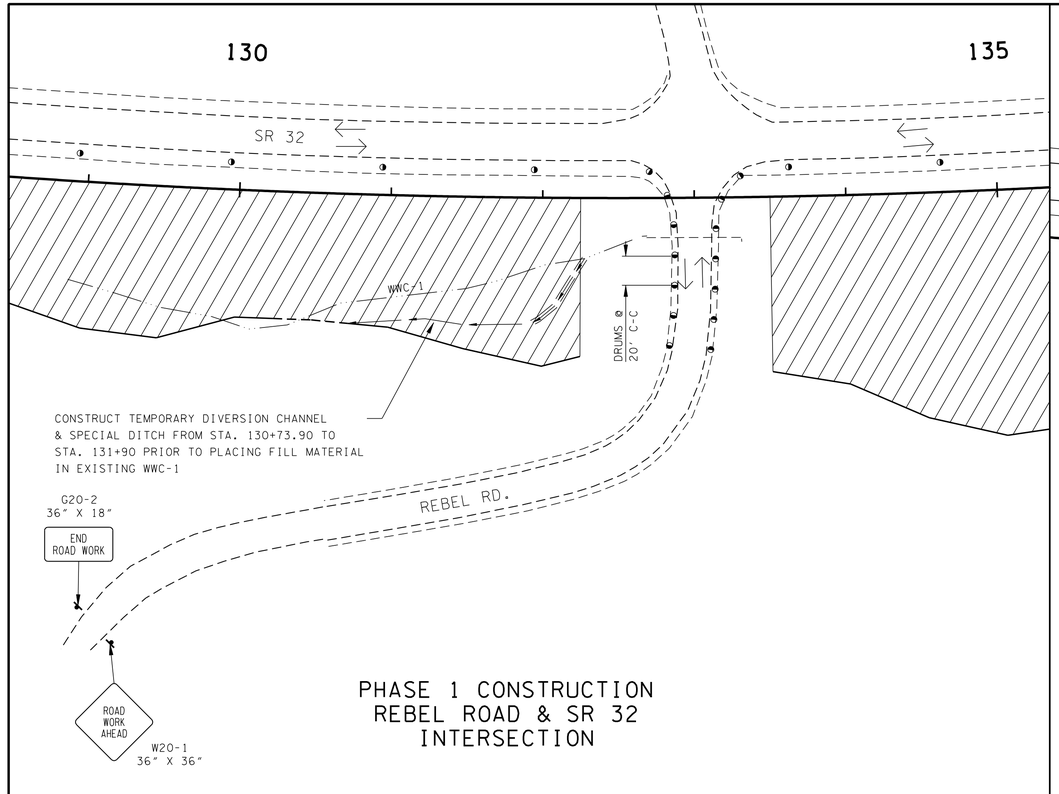
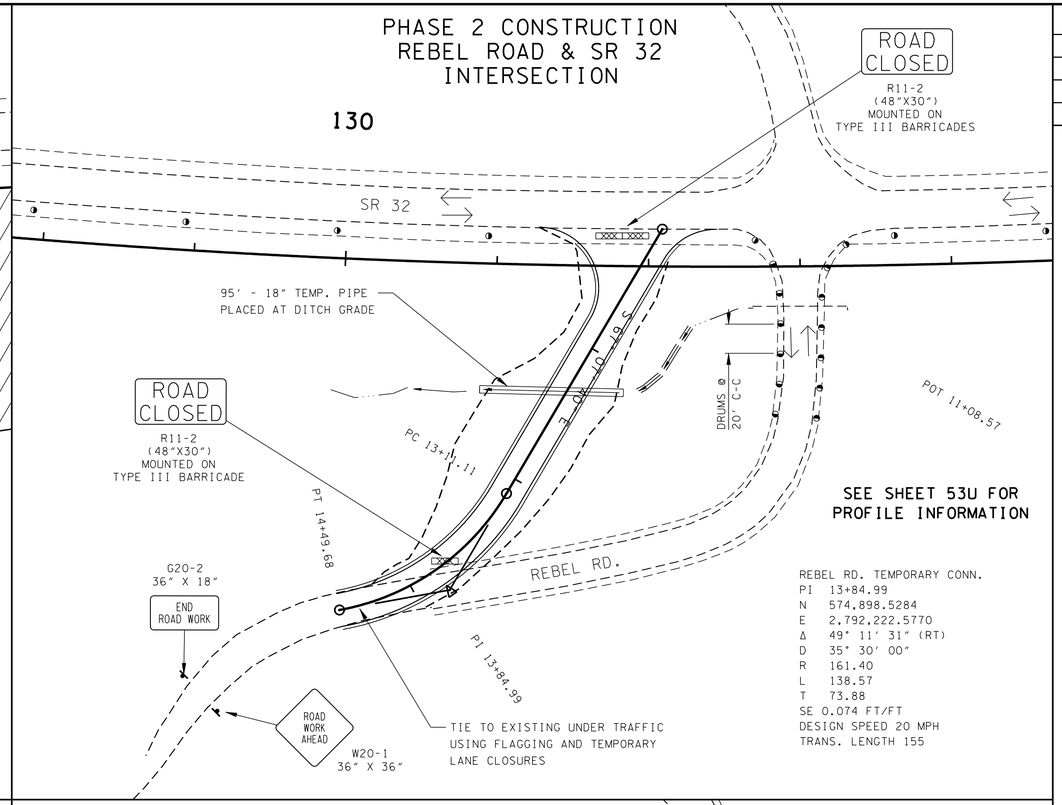
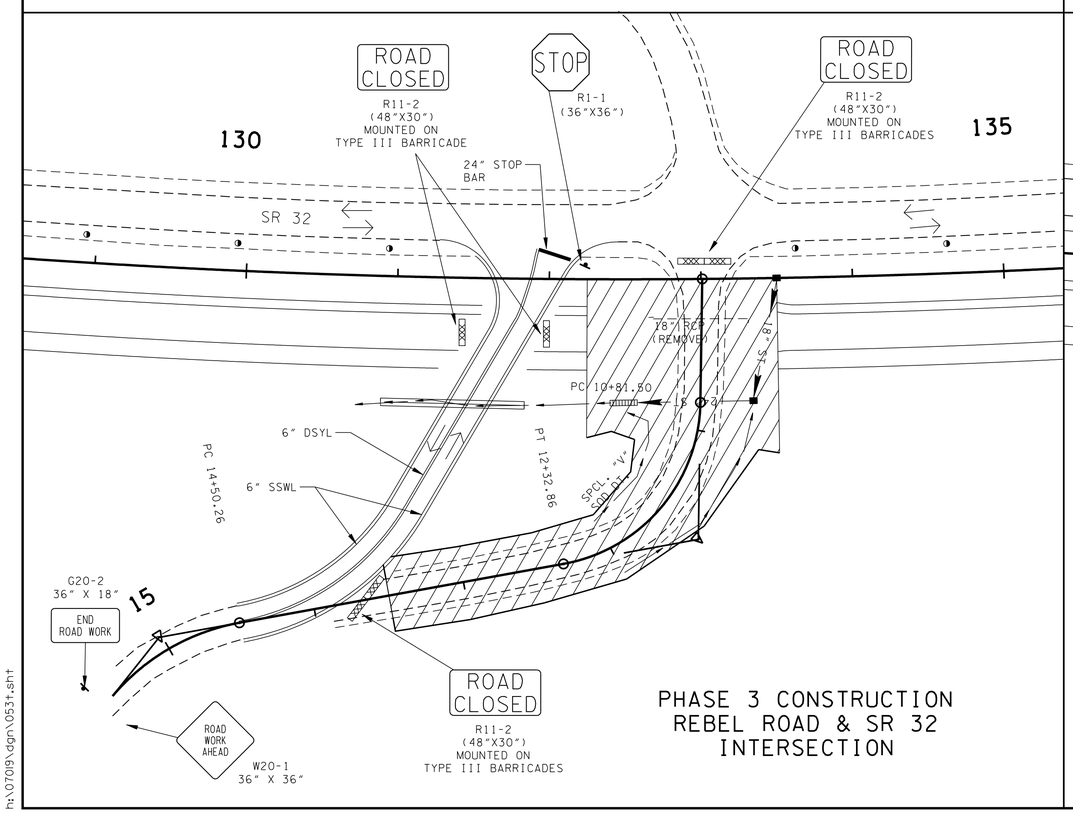
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53T



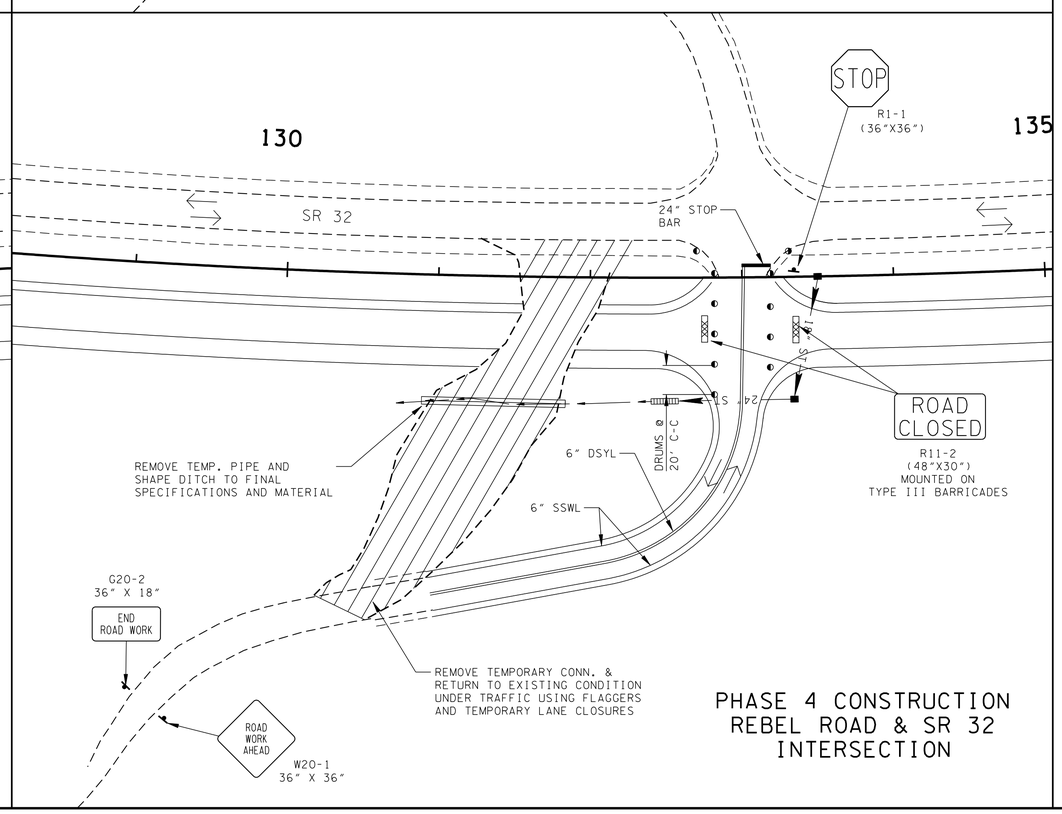
PHASE 1 CONSTRUCTION REBEL ROAD & SR 32 INTERSECTION



PHASE 2 CONSTRUCTION REBEL ROAD & SR 32 INTERSECTION



PHASE 3 CONSTRUCTION REBEL ROAD & SR 32 INTERSECTION



PHASE 4 CONSTRUCTION REBEL ROAD & SR 32 INTERSECTION

UNOFFICIAL SET

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Brian H. Trotter REGISTERED ENGINEER — DEPARTMENT OF AGRICULTURE & COMMERCE — NO. 109115 — STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN REBEL ROAD

PHASES 1 THRU 4

SCALE: 1"= 50'

10/15/2014
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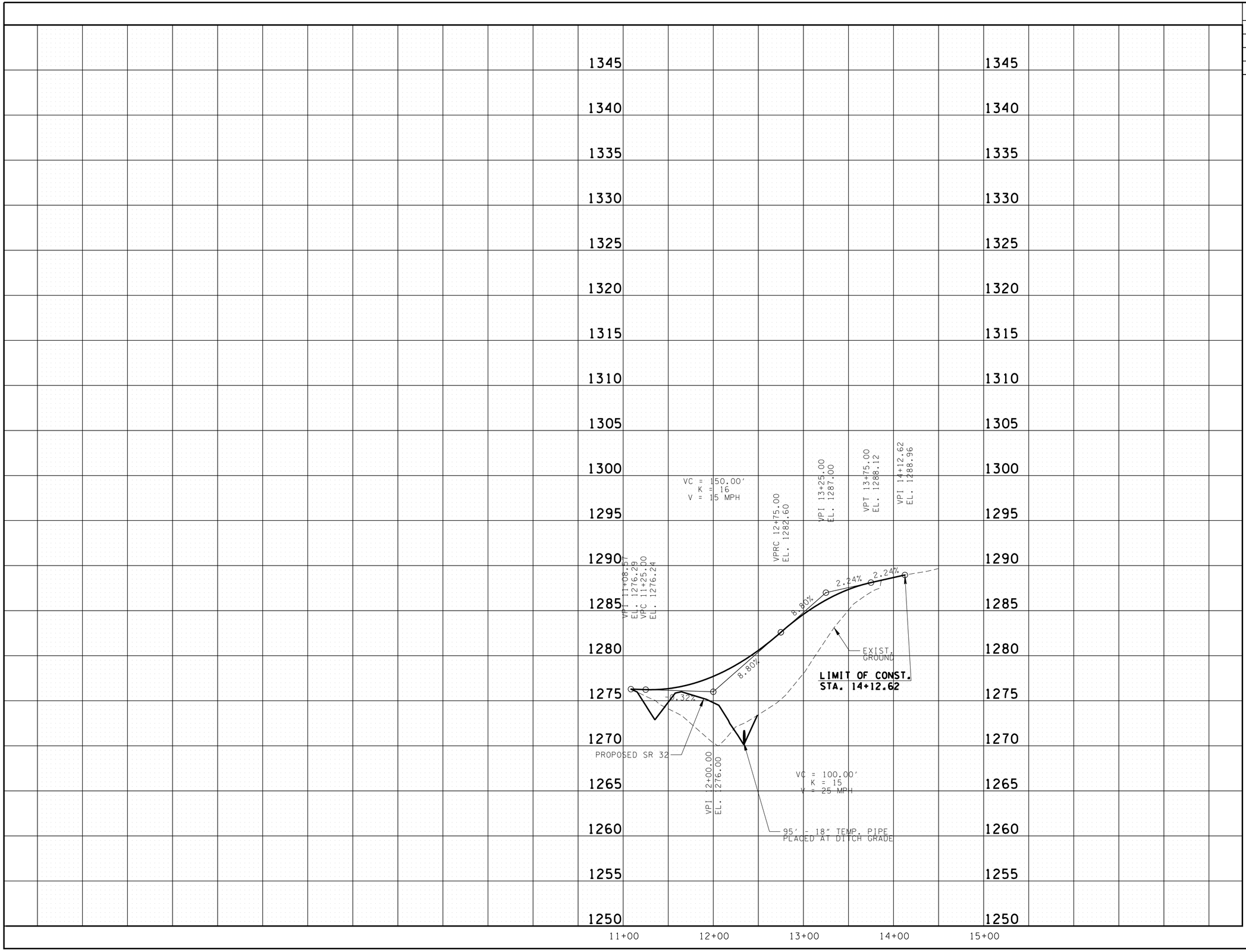
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	53U



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Brian H. Trotter
REGISTERED ENGINEER
No. 109191
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

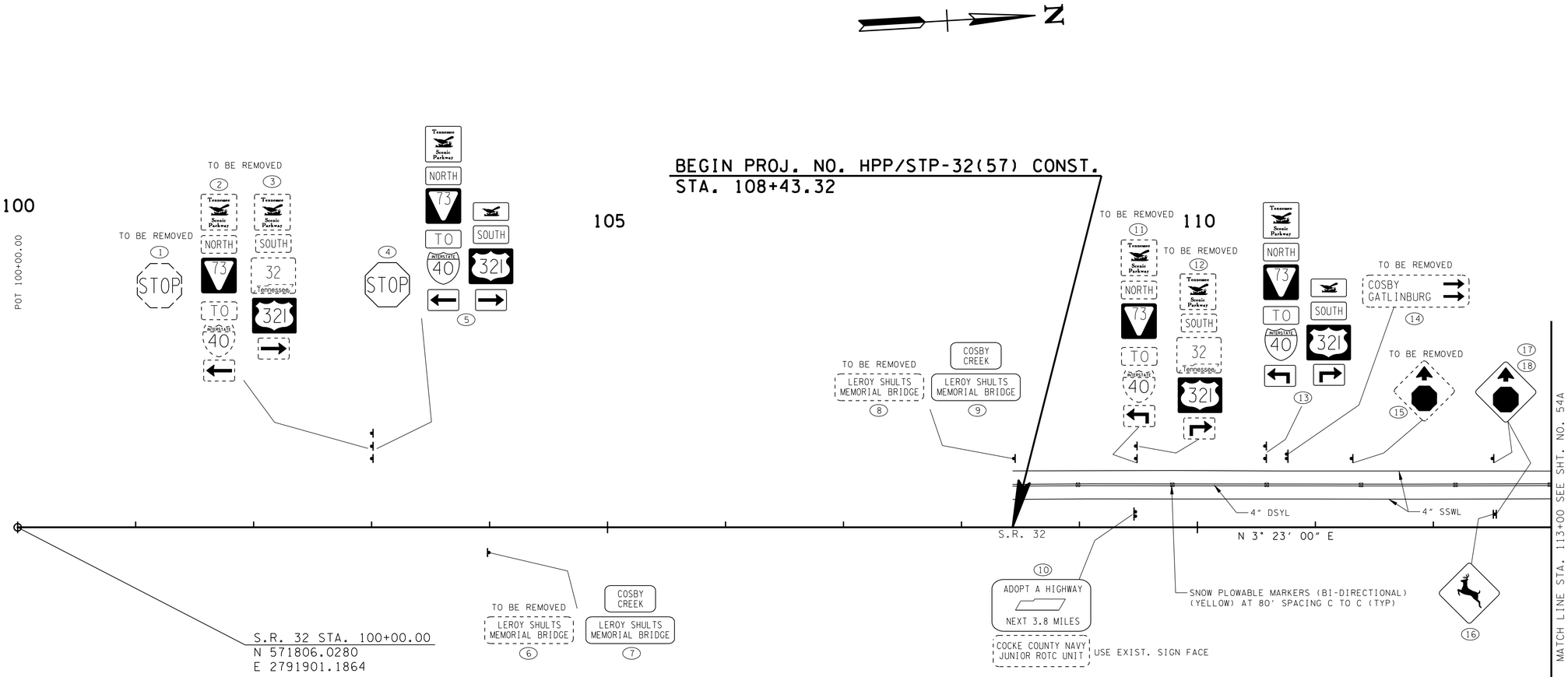
TRAFFIC CONTROL PLAN REBEL ROAD

TEMPORARY CONN. PROFILE

SCALE: 1"= 50'

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54



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SEALED BY

Brian H. Trotter REGISTERED ENGINEER No. 104218 STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

BEGIN PROJ. TO STA.113+00

SCALE: 1"=50'

10/15/2014
h:\07019\dgn\054.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54A

MEDIAN CROSSOVER
PI 6+97.08
N 573,984.5616
E 2,792,059.6609
Δ 10° 15′ 47″ (LT)
D 2° 00′ 00″
R 2,864.79
L 513.15
T 257.26
SE 0.051 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH (SEE PROFILE)

N

115

120

125

PC 121+47.33

PC 4+39.82

PT 3+66.87

PT 9+52.96

MATCH LINE STA. 113+00 SEE SHT. NO. 54

MATCH LINE STA. 126+00 SEE SHT. NO. 54B

SNOW PLOWABLE MARKERS (BI-DIRECTIONAL)
(YELLOW) AT 80′ SPACING C TO C (TYP)

SNOW PLOWABLE MARKERS (BI-DIRECTIONAL)
(YELLOW) AT 20′ SPACING C TO C (TYP)

SNOW PLOWABLE MARKERS (BI-DIRECTIONAL)
(2-COLOR) AT 80′ SPACING C TO C (TYP)

4″ SSWL

4″ DSYL

4″ SSYL

4″ SBWL

12″ SSYL

LANE REDUCTION ARROW

N 3° 23′ 00″ E

N 10° 43′ 14″ E

S.P. 32

(19) (20) (21) (22) (23) (24) (25) (26)

COSBY
GATLINBURG

DO NOT
ENTER

WRONG
WAY

NORTH
321

STA. 0+00.00 MEDIAN CROSSOVER =
STA. 114+90.72 SR 32 36′ LT.
N 573296.2721
E 2791953.2253

STA. 4+66.00 MEDIAN CROSSOVER =
STA. 119+54.92 SR 32
N 573757.5382
E 2792016.5578

STA. 9+52.96 MEDIAN CROSSOVER =
STA. 124+39.92 SR 32
N 574241.8150
E 2792061.7162

MEDIAN CROSSOVER
PI 1+83.68
N 573,479.6364
E 2,791,964.0657
Δ 7° 20′ 14″ (RT)
D 2° 00′ 00″
R 2,864.79
L 366.87
T 183.68
SE 0.051 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH (SEE PROFILE)

UNOFFICIAL SET

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Brian H. Trotter
REGISTERED ENGINEER
TENNESSEE DEPARTMENT OF AGRICULTURE
COMMISSION NO. 107219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.113+00 TO STA.126+00

SCALE: 1"=50'

10/15/2014
h:\07019\dgn\054a.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54B

N

S.R. 32
PI 136+65.11
N 575,464.7498
E 2,792,117.4865
Δ 29° 40′ 27″ (LT)
D 1° 00′ 00″
R 5,729.58
L 2,967.41
T 1,517.78
SE 0.029 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 200′

130

135

OLD HWY 32

REBEL RD. STA. 10+00.00 =
S.R. 32 STA. 133+00.92
N 575100.2607
E 2791979.9959

MATCH LINE STA. 126+00 SEE SHT. NO. 54A

4″ SSWL

4″ SSYL

LANE REDUCTION ARROW

S.R. 32

SPEED LIMIT 55

SNOW PLOWABLE MARKERS (BI-DIRECTIONAL) (2-COLOR) AT 80′ SPACING C TO C (TYP)

PC 10+81.50

PT 12+32.86

4″ DSYL

24″ STOP LINE

N 83° 13′ 31″ E

PC 14+50.26

15

4″ SSWL

S 17° 56′ 09″ E

REBEL ROAD

PT 15+53.32

PC 16+29.07

PT 16+76.54

S 59° 09′ 33″ E

S 48° 42′ 55″ E

REBEL RD. STA. 17+22.41
N 574651.8027
E 2792446.1842

REBEL ROAD
PI 16+52.87
N 574,697.7719
E 2,792,393.8304
Δ 10° 26′ 38″ (RT)
D 22° 00′ 00″
R 260.44
L 47.47
T 23.80

REBEL ROAD
PI 11+71.92
N 575,120.5417
E 2,792,150.7149
Δ 78° 50′ 20″ (RT)
D 52° 05′ 13″
R 110.00
L 151.36
T 90.42
SE 0.080 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 160′

REBEL ROAD
PI 15+04.14
N 574,776.4270
E 2,792,262.0992
Δ 41° 13′ 23″ (LT)
D 40° 00′ 00″
R 143.24
L 103.06
T 53.87

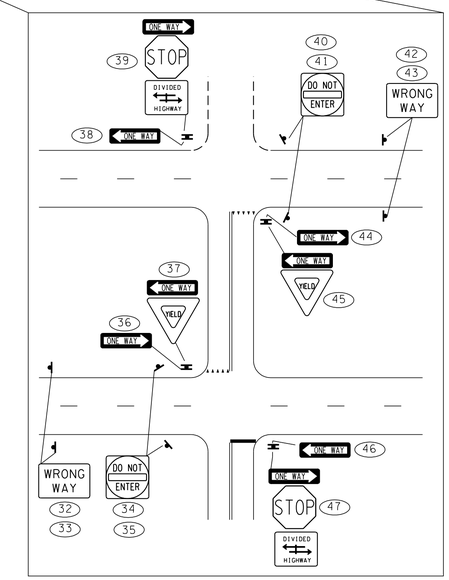
SNOW PLOWABLE MARKERS (BI-DIRECTIONAL) (2-COLOR) AT 80′ SPACING C TO C (TYP)

4″ SBWL

LEFT LANE ENDS

SQUIRREL WAY

MATCH LINE STA. 139+00 SEE SHT. NO. 54C



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SEALED BY

Brian H. Trotter
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DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 104019
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.126+00 TO STA.139+00

SCALE: 1″=50′

10/15/2014
h:\07019\dgn\054b.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54C

140

145

150

N

OLD HWY. 32 NO. 1 STA. 20+00.00 =
S.R. 32 STA. 141+88.00
N 575965.1528
E 2791786.8599

PT 151+14.73

MATCH LINE STA. 139+00 SEE SHT. NO. 54B

MATCH LINE STA. 152+00 SEE SHT. NO. 54D

S.R. 32

4" SSWL

4" SSYL

SPEED LIMIT 45 (51) (50)

SNOW PLOWABLE MARKERS (BI-DIRECTIONAL)
(2-COLOR) AT 20' SPACING C TO C (TYP)

TURN LANE ARROW
(TYPICAL)

4" SSWL

SPEED LIMIT 45 (68) (67)

4" SBWL

SNOW PLOWABLE MARKERS (BI-DIRECTIONAL)
(2-COLOR) AT 80' SPACING C TO C (TYP)

SNOW PLOWABLE MARKERS (BI-DIRECTIONAL)
(2-COLOR) AT 80' SPACING C TO C (TYP)

24" STOP LINE

N 11° 55' 03" E

OLD HWY. 32 NO. 1

PC 22+44.10

4" DSYL

4" SSWL

PT 24+86.12

N 28° 21' 14" E

25

(59) DO NOT ENTER (60)

(61) WRONG WAY (62)

(58) ONE WAY

(56) ONE WAY YIELD

ONE WAY (57)

ONE WAY (63) ONE WAY YIELD (64)

WRONG WAY (52) (53)

DO NOT ENTER (54) (55)

ONE WAY (65)
ONE WAY
STOP (66)
DIVIDED HIGHWAY

OLD HWY. 32 NO. 1
PI 23+71.30
N 576,080.3975
E 2,792,139.8178
Δ 43° 33' 49" (LT)
D 18° 00' 00"
R 318.31
L 242.02
T 127.20
SE 0.077 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 175'

OLD HWY 32 NO. 1 STA. 25+83.64
N 576278.1552
E 2792246.5393

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SEALED BY

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AGRICULTURE
COMMERCE
NO. 104319
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.139+00 TO STA.152+00

SCALE: 1"=50'

10/15/2014
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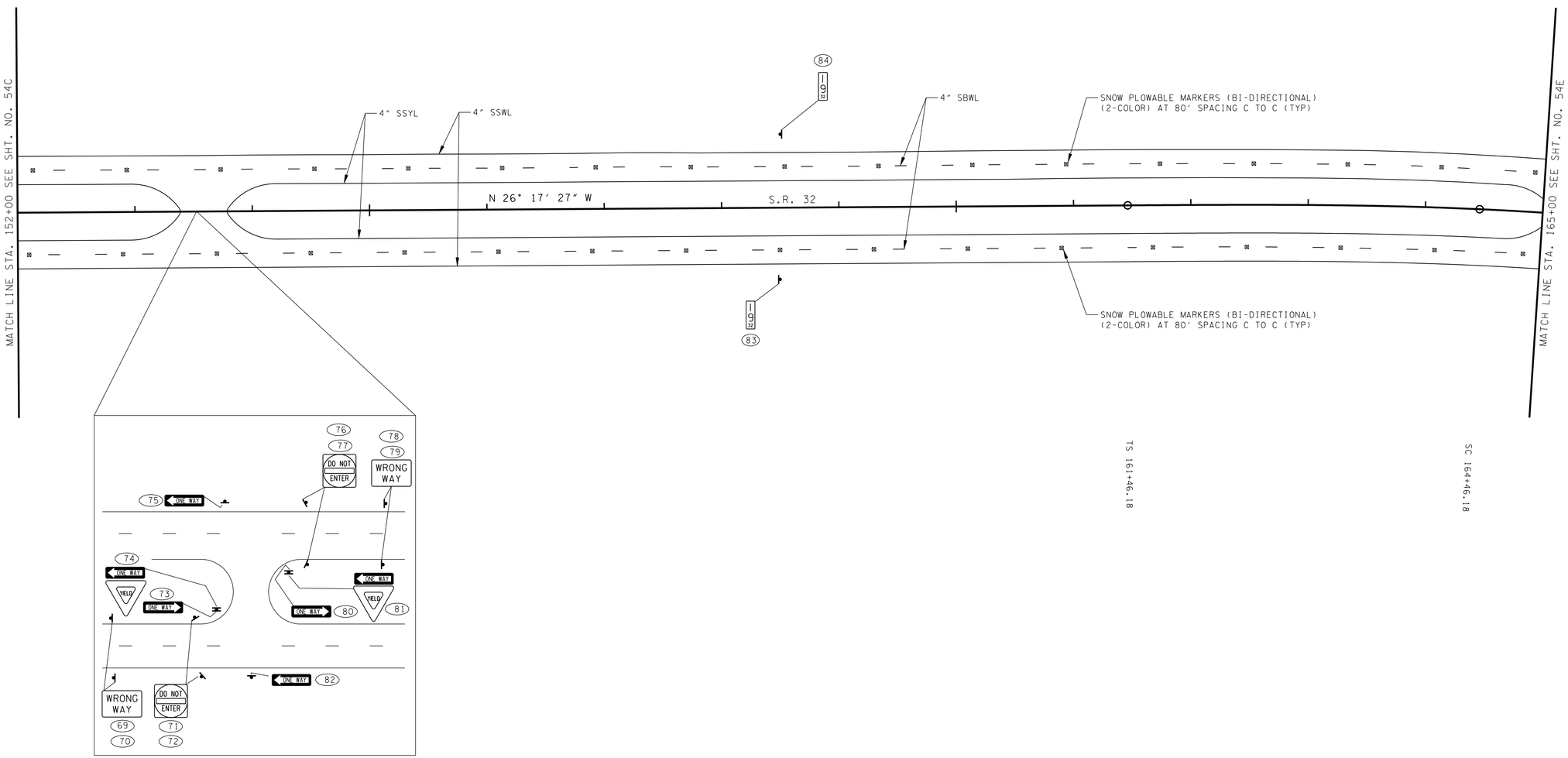
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54D

155

160

N



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Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE
NO. 104019

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.152+00 TO STA.165+00

SCALE: 1"=50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

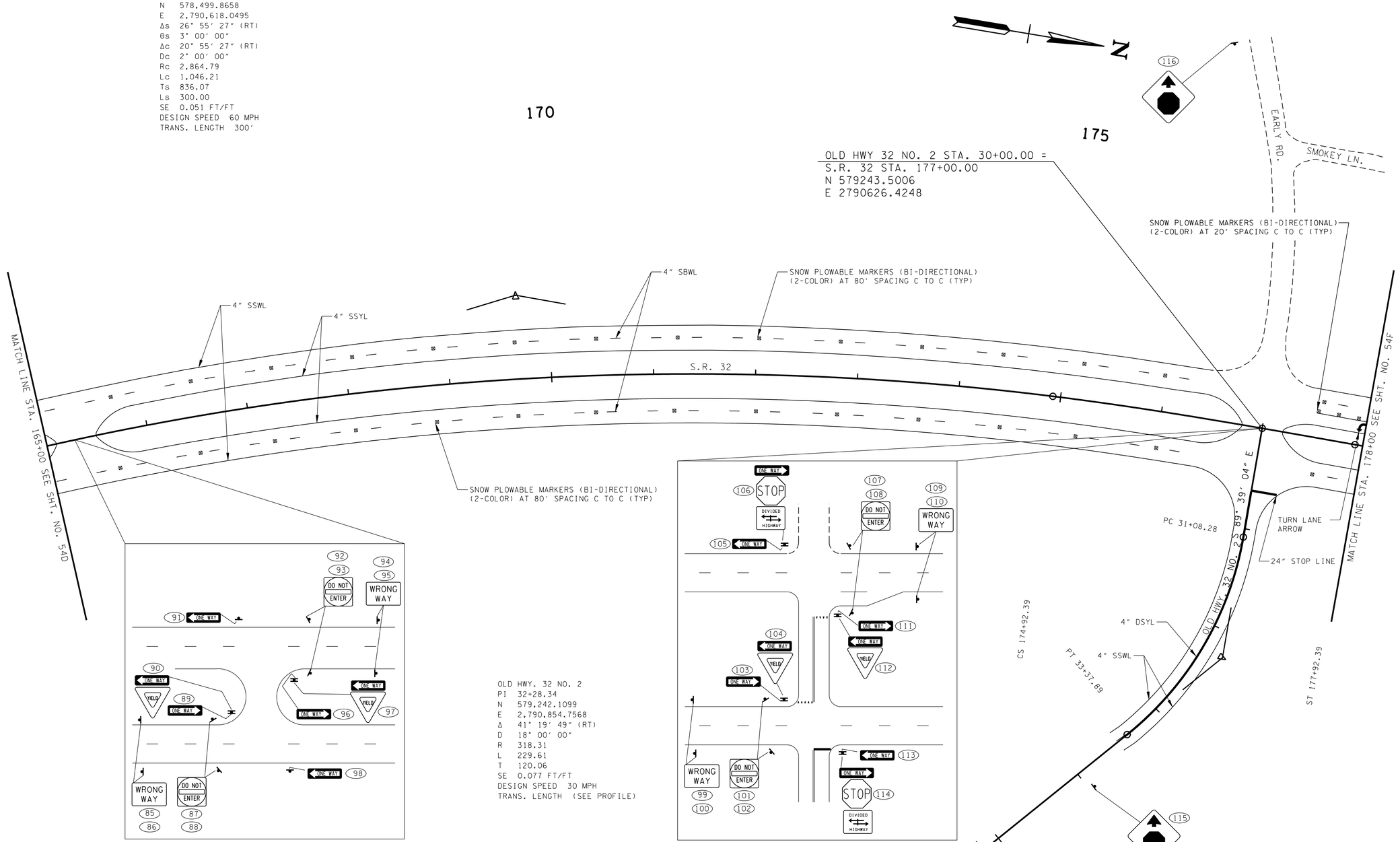
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54E

S.R. 32
PI 169+82.25
N 578,499.8658
E 2,790,618.0495
Δs 26° 55′ 27″ (RT)
θs 3° 00′ 00″
Δc 20° 55′ 27″ (RT)
Dc 2° 00′ 00″
Rc 2,864.79
Lc 1,046.21
Ts 836.07
Ls 300.00
SE 0.051 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 300′

170

175

OLD HWY 32 NO. 2 STA. 30+00.00 =
S.R. 32 STA. 177+00.00
N 579243.5006
E 2790626.4248



OLD HWY. 32 NO. 2
PI 32+28.34
N 579,242.1099
E 2,790,854.7568
Δ 41° 19′ 49″ (RT)
D 18° 00′ 00″
R 318.31
L 229.61
T 120.06
SE 0.077 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH (SEE PROFILE)

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
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DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA. 165+00 TO STA. 178+00

SCALE: 1″=50′

10/15/2014
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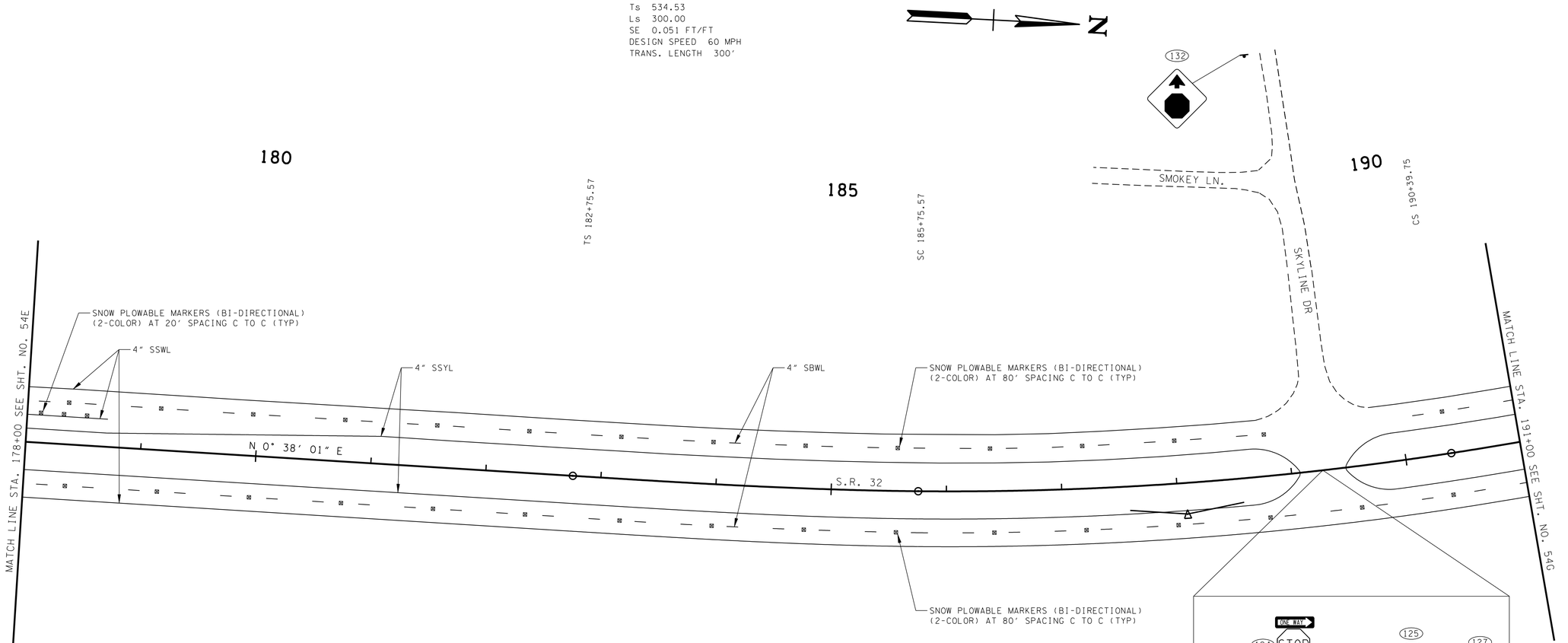
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54F

S.R. 32
PI 188+10.11
N 580,353.5398
E 2,790,638.5455
Δs 15° 17′ 01″ (LT)
θs 3° 00′ 00″
Δc 9° 17′ 01″ (LT)
Dc 2° 00′ 00″
Rc 2,864.79
Lc 464.18
Ts 534.53
Ls 300.00
SE 0.051 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 300′



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DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.178+00 TO STA.191+00

SCALE: 1″=50′

10/15/2014
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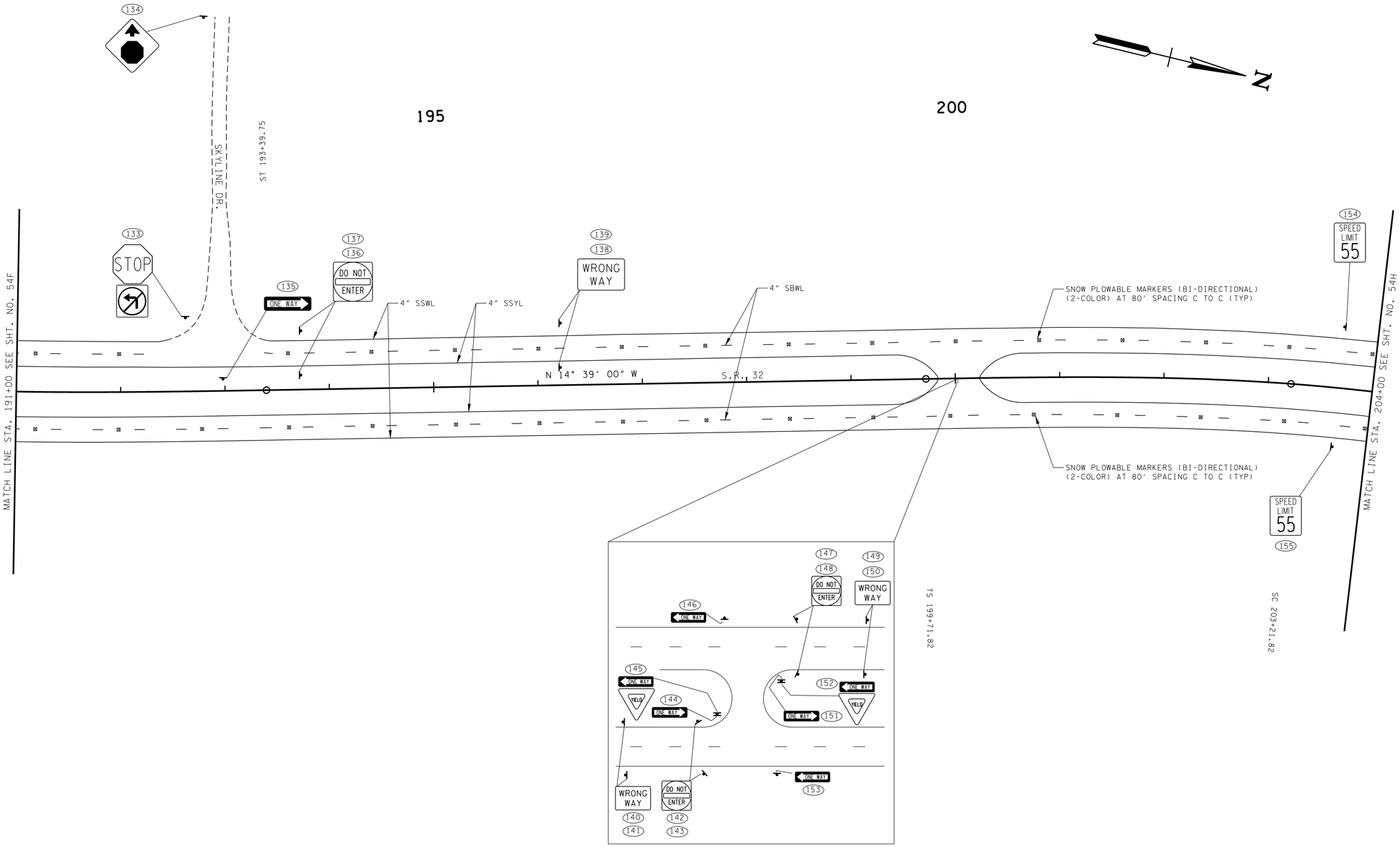
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54G



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Brian H. Trotter
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AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.191+00 TO STA.204+00

SCALE: 1"=50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54H

S.R. 32
PI 210+11.98
N 582,488.5618
E 2,790,080.4235
Δs 48° 41′ 00″ (RT)
θs 5° 15′ 00″
Δc 38° 11′ 00″ (RT)
Dc 3° 00′ 00″
Rc 1,909.86
Lc 1,272.78
Ts 1,040.17
Ls 350.00
SE 0.068 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 380′

205

210

215

ARMORY ROAD NO. 1 STA. 40+00.00 =
S.R. 32 STA. 211+55.11
N 582648.7418
E 2790310.0856

ARMORY ROAD NO. 1 STA. 44+13.56
N 582538.5557
E 2790708.7003

BOGARD RD.

SOUTH 321

NORTH 321

SNOW PLOWABLE MARKERS (BI-DIRECTIONAL) (2-COLOR) AT 80′ SPACING C TO C (TYP)

SNOW PLOWABLE MARKERS (BI-DIRECTIONAL) (2-COLOR) AT 20′ SPACING C TO C (TYP)

TURN LANE ARROW (TYPICAL)

4″ SSYL

4″ SSWL

4″ SBWL

4″ DSYL

24″ STOP LINE

S.R. 32

S 74° 22′ 53″ E

ARMORY ROAD NO. 1

MATCH LINE STA. 204+00 SEE SHT. NO. 54G

MATCH LINE STA. 217+00 SEE SHT. NO. 54I

CS 215-94.60

ONE WAY
STOP
DIVIDED HIGHWAY
DO NOT ENTER
WRONG WAY
YIELD

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.204+00 TO STA.217+00

SCALE: 1″=50′

10/15/2014
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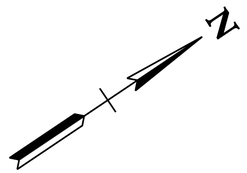
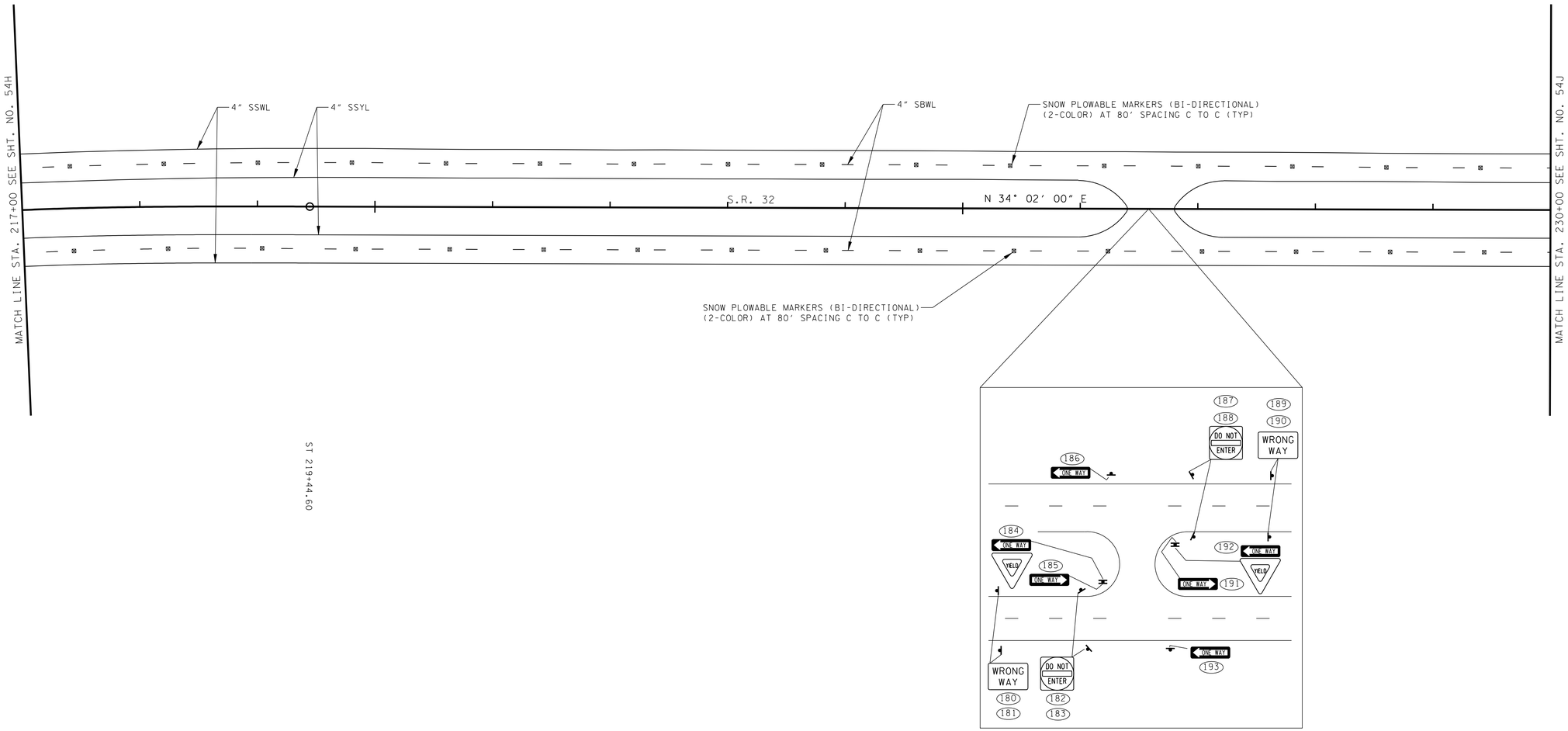
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54I

220

225





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SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.217+00 TO STA.230+00

SCALE: 1"=50'

10/15/2014
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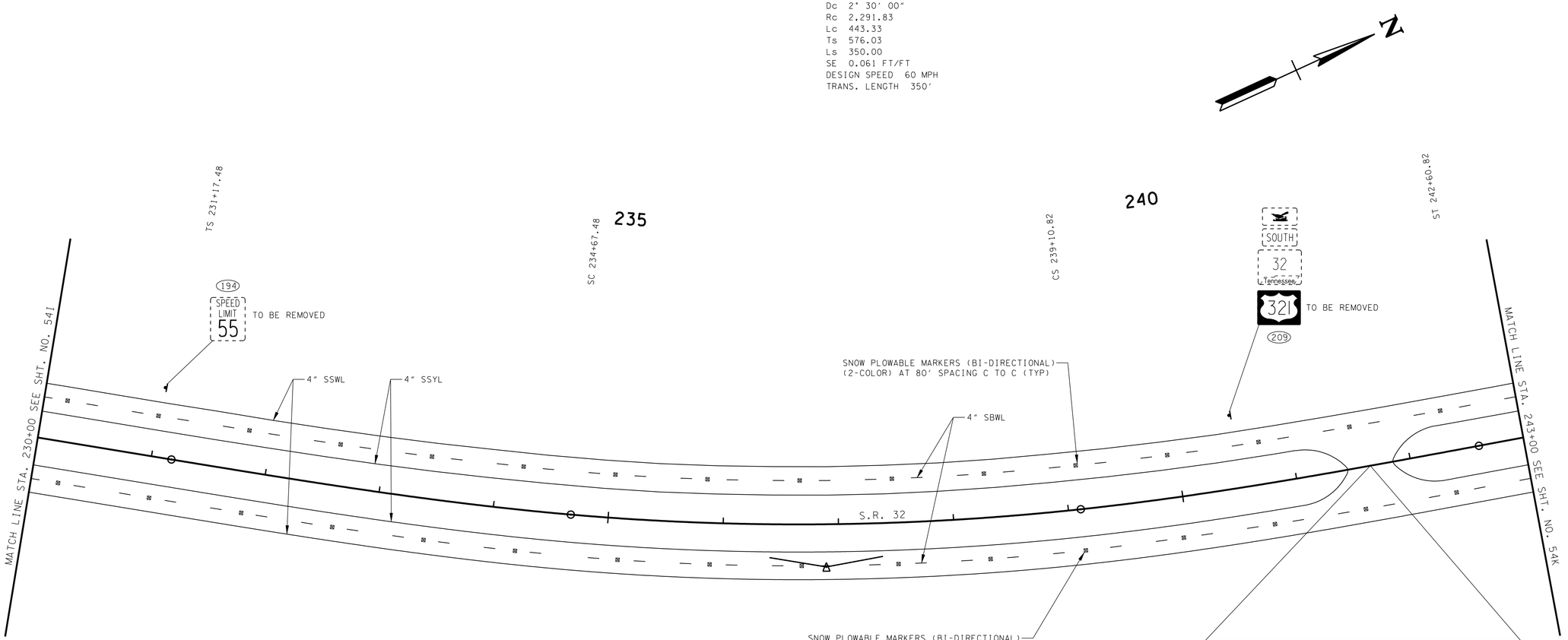
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54J

S.R. 32
PI 236+93.51
N 584,799.9108
E 2,791,641.4065
Δs 19° 50′ 00″ (LT)
θs 4° 22′ 30″
Δc 11° 05′ 00″ (LT)
Dc 2° 30′ 00″
Rc 2,291.83
Lc 443.33
Ts 576.03
Ls 350.00
SE 0.061 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 350′



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REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.230+00 TO STA.243+00

SCALE: 1"=50′

10/15/2014
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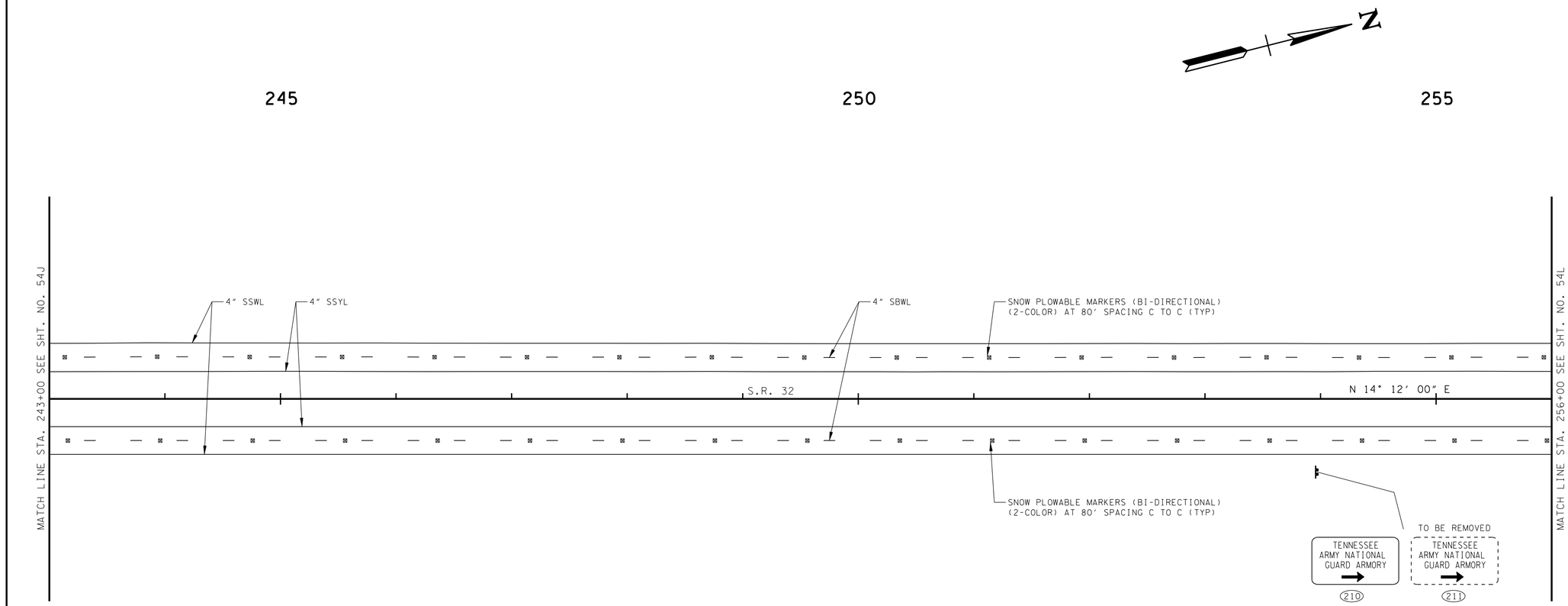
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54K



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SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104219

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.243+00 TO STA.256+00

SCALE: 1"=50'

10/15/2014
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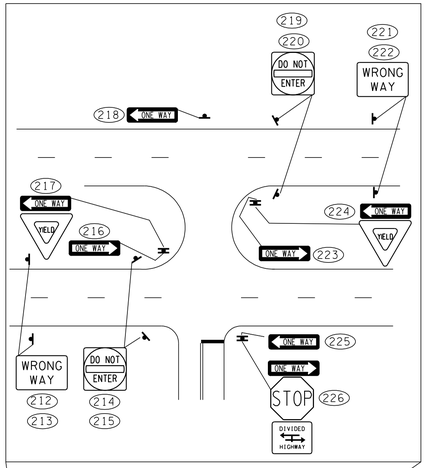
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54L



260

265

PC 265+59.90

N

TO BE REMOVED

TENNESSEE ARMY NATIONAL GUARD ARMORY
228

TENNESSEE ARMY NATIONAL GUARD ARMORY
229

4" SSWL
4" SSYL
4" SBWL
231
SNOW PLOWABLE MARKERS (BI-DIRECTIONAL) (2-COLOR) AT 80' SPACING C TO C (TYP)

MATCH LINE STA. 256+00 SEE SHT. NO. 54K

N 14° 12' 00" E
S.R. 32

S 75° 48' 00" E
MAJ. JIM BURNETT DR.

MATCH LINE STA. 269+00 SEE SHT. NO. 54M

PC 50+70.91

24" STOP LINE
4" DSYL
4" SSWL

MAJ. JIM BURNETT DR. STA. 50+00.00 =
S.R. 32 STA. 256+70.00
N 586724.4668
E 2792128.3941

2-N
230

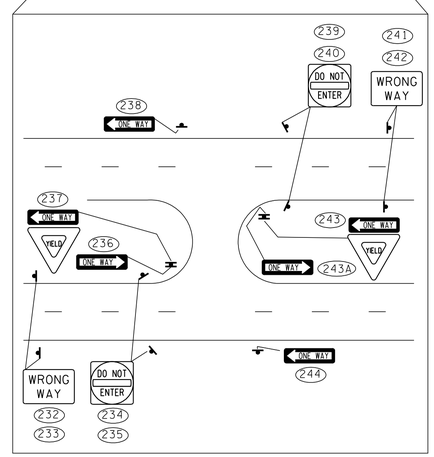
SNOW PLOWABLE MARKERS (BI-DIRECTIONAL)
(2-COLOR) AT 80' SPACING C TO C (TYP)

227

PT 53+30.90

MAJ. JIM BURNETT DR.
PI 52+01.11
N 586,675.1336
E 2,792,323.3569
Δ 7° 48' 00" (LT)
D 3° 00' 00"
R 1,909.86
L 260.00
T 130.20

MAJ. JIM BURNETT DR. STA. 53+30.90
N 586660.6202
E 2792452.7449



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SEALED BY

Brian H. Trotter
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DEPARTMENT OF AGRICULTURE
COMMISSION NO. 104319
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.256+00 TO STA.269+00

SCALE: 1"=50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54M

S.R. 32
PI 273+15.06
N 588,319.2595
E 2,792,531.9387
Δ 15° 01′ 00″ (LT)
D 1° 00′ 00″
R 5,729.58
L 1,501.67
T 755.16
SE 0.029 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 200′

277

ARMORY ROAD NO. 2 STA. 60+00.00 =
S.R. 32 STA. 271+65.00
N 588180.5287
E 2792463.9053

270 275 280

N

ENGLISH MT. RD.

PT 280+61.56

MATCH LINE STA. 269+00 SEE SHT. NO. 54L

MATCH LINE STA. 282+00 SEE SHT. NO. 54N

S.R. 32

S 81° 51′ 04″ E

24″ STOP LINE

4″ DSYL

PC 61+63.08

4″ SSWL

4″ SSYL

4″ SBWL

SNOW PLOWABLE MARKERS (BI-DIRECTIONAL)
(2-COLOR) AT 20′ SPACING C TO C (TYP)

TURN LANE ARROW
(TYPICAL)

SNOW PLOWABLE MARKERS (BI-DIRECTIONAL)
(2-COLOR) AT 80′ SPACING C TO C (TYP)

ARMORY ROAD NO. 2
PI 63+36.41
N 588,132.8430
E 2,792,796.9220
Δ 32° 04′ 10″ (RT)
D 9° 30′ 00″
R 603.11
L 337.57
T 173.34
SE 0.058 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 145′

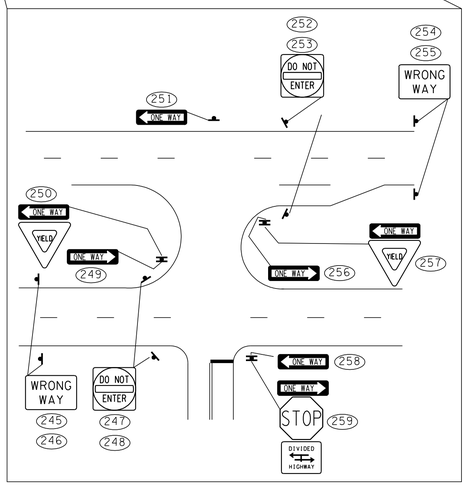
ARMORY ROAD NO. 2

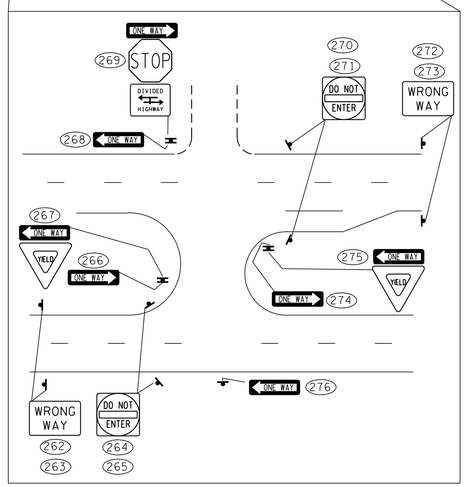
PT 65+00.65

65

260

"TODS" 261
REMOVE & RESET WITH NEW SUPPORTS
SIGN SHALL REMAIN UP THROUGH ALL
PHASES OF CONSTRUCTION.
ITEM NO. 713-16.41





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Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104211
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.269+00 TO STA.282+00

SCALE: 1″=50′

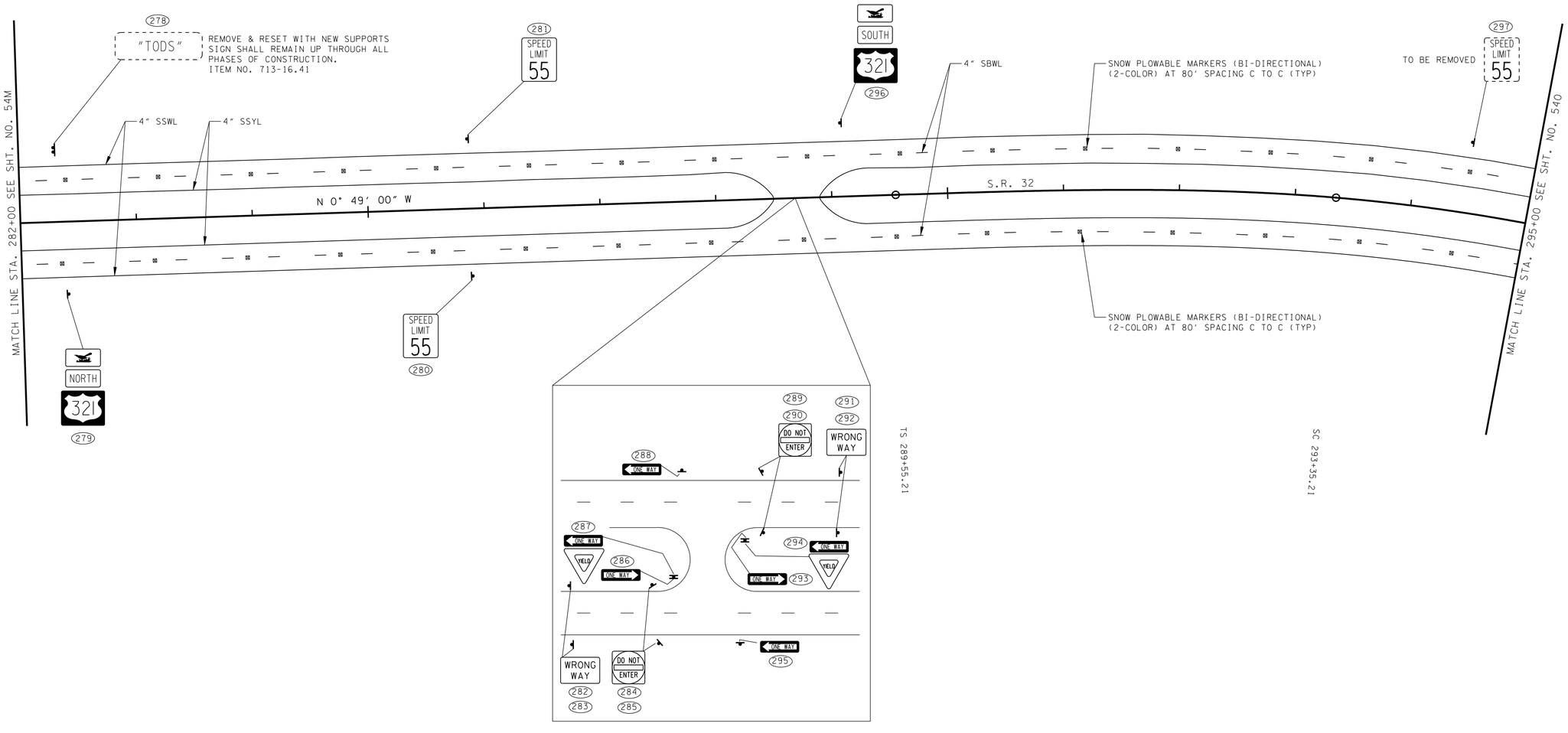
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54N

285

290

N



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SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.282+00 TO STA.295+00

SCALE: 1"=50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	540

S.R. 32
PI 296+13.99
N 590,626.6170
E 2,792,499.0485
Δs 31° 53′ 50″ (RT)
θs 6° 39′ 00″
Δc 18° 35′ 50″ (RT)
Dc 3° 30′ 00″
Rc 1,637.02
Lc 531.35
Ts 658.78
Ls 380.00
SE 0.074 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 380′

COSBY CUTOFF NO. 1 STA. 70+00.00 =
S.R. 32 STA. 299+47.68
N 590931.2955
E 2792691.0502

300

305

EPLEY RD.

COCONUT ROAD

315

319
320
DO NOT ENTER

317
STOP

318
ONE WAY

SNOW PLOWABLE MARKERS (BI-DIRECTIONAL)
(2-COLOR) AT 80′ SPACING C TO C (TYP)

4″ SBWL

4″ SSWL

4″ SSYL

S.R. 32

N 31° 04′ 50″ E

MATCH LINE STA. 295+00 SEE SHT. NO. 54N

MATCH LINE STA. 308+00 SEE SHT. NO. 54P

S 60° 44′ 00″ E

24″ STOP LINE

4″ DSYL

4″ SSWL

NEWPORT CITY LIMITS
316

SNOW PLOWABLE MARKERS (BI-DIRECTIONAL)
(2-COLOR) AT 80′ SPACING C TO C (TYP)

PC 71+89.43

CS 298+95.56

ST 302+46.56

COSBY CUTOFF NO. 1
PI 73+23.63
N 590,773.0808
E 2,792,973.3700
Δ 54° 31′ 30″ (LT)
D 22° 00′ 00″
R 260.44
L 247.84
T 134.20

PT 74+37.27

75

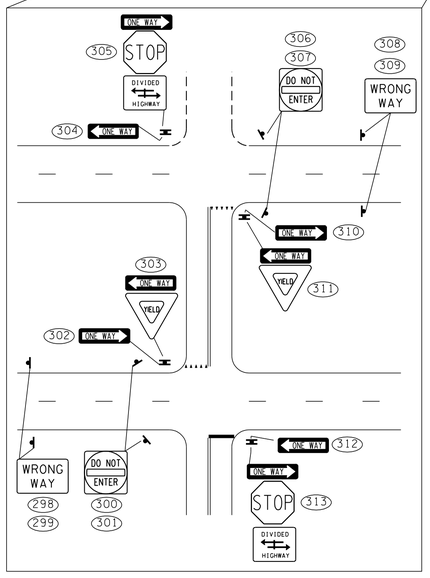
314

COSBY CUTOFF NO. 1

N 64° 44′ 30″ E

POT 76+62.30

COSBY CUTOFF NO. 1 STA. 76+62.30
N 590926.3688
E 2793298.2644



UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
No. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.295+00 TO STA.308+00

SCALE: 1″=50′

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54P

310

315

320

N

TS 313+80.55

SC 317+05.55

MATCH LINE STA. 308+00 SEE SHT. NO. 540

MATCH LINE STA. 321+00 SEE SHT. NO. 540

N 31° 04' 50" E

S.R. 32

(321) (322) WRONG WAY

4" SSWL

4" SSYL

4" SBWL

(338) (339) TO BE REMOVED SPEED LIMIT 45

SNOW PLOWABLE MARKERS (BI-DIRECTIONAL) (2-COLOR) AT 80' SPACING C TO C (TYP)

(337)

SNOW PLOWABLE MARKERS (BI-DIRECTIONAL) (2-COLOR) AT 80' SPACING C TO C (TYP)

(329) ONE WAY

(330) (331) DO NOT ENTER

(332) (333) WRONG WAY

(328) ONE WAY

YIELD

(327) ONE WAY

(335) ONE WAY

YIELD

ONE WAY (334)

ONE WAY (336)

WRONG WAY (323) (324)

DO NOT ENTER (325) (326)

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 104211
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.308+00 TO STA.321+00

SCALE: 1"=50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	540

N

S.R. 32
PI 321+21.60
N 592,796.6970
E 2,793,807.1185
Δs 28° 18′ 50″ (LT)
θs 4° 03′ 45″
Δc 20° 11′ 20″ (LT)
Dc 2° 30′ 00″
Rc 2,291.83
Lc 807.56
Ts 741.05
Ls 325.00
SE 0.061 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 325′

325

330

355

LEWIS RD.

CS 325+13.11

ST 328+38.11

MATCH LINE STA. 321+00 SEE SHT. NO. 54P

MATCH LINE STA. 334+00 SEE SHT. NO. 54R

4″ SSWL

4″ SSYL

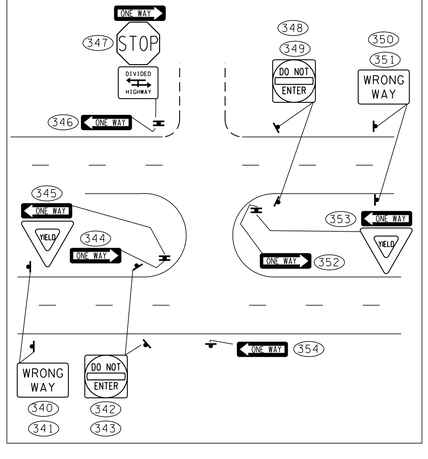
4″ SBWL

SNOW PLOWABLE MARKERS (BI-DIRECTIONAL)
(2-COLOR) AT 80′ SPACING C TO C (TYP)

S.R. 32

N 2° 45′ 59″ E

SNOW PLOWABLE MARKERS (BI-DIRECTIONAL)
(2-COLOR) AT 80′ SPACING C TO C (TYP)



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Brian H. Trotter
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AGRICULTURE
COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.321+00 TO STA.334+00

SCALE: 1″=50′

10/15/2014
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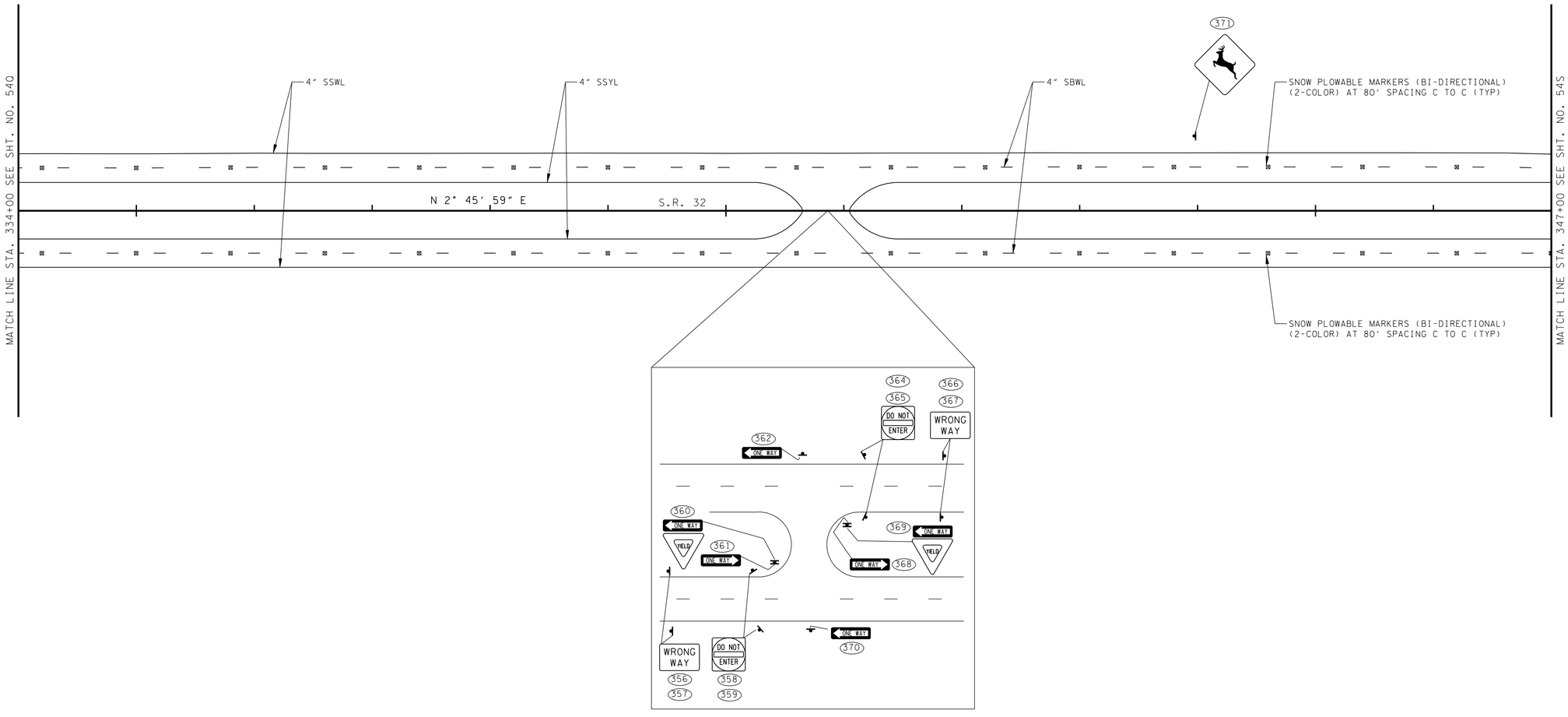
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54R

N

335 340 345



UNOFFICIAL SET

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Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104319
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.334+00 TO STA.347+00

SCALE: 1"=50'

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

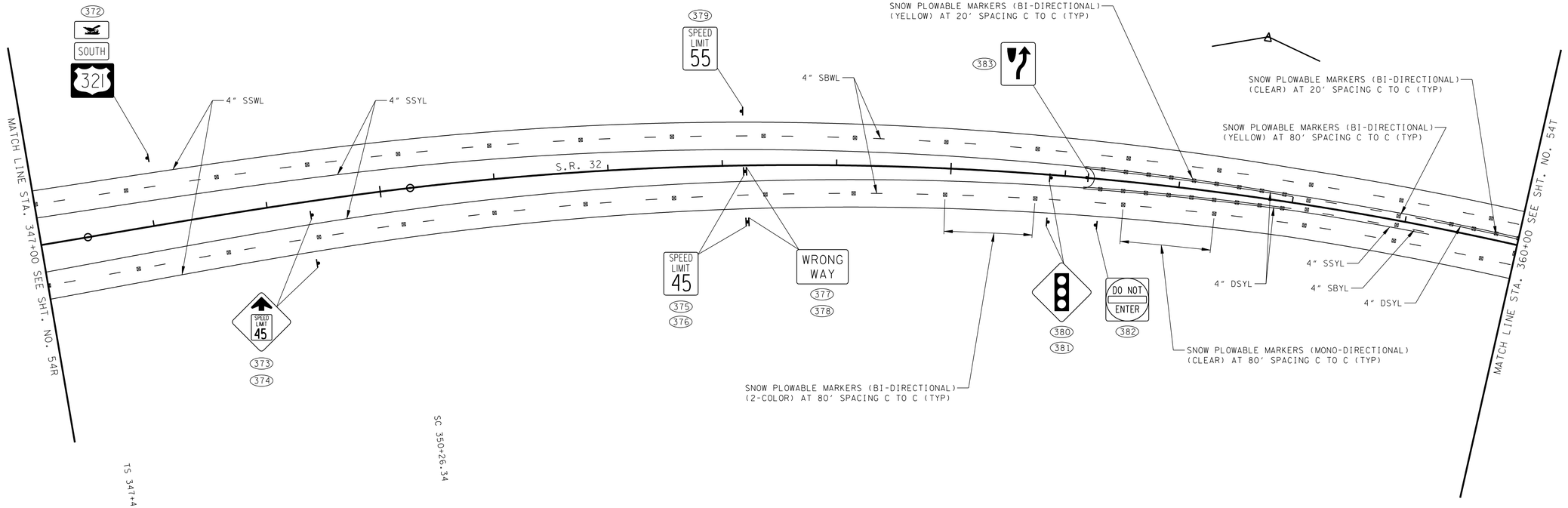
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54S

S.R. 32
PI 357+88.06
N 596,483.3870
E 2,793,985.2685
Δs 35° 01′ 18" (RT)
θs 2° 51′ 00"
Δc 29° 19′ 18" (RT)
Dc 2° 00′ 00"
Rc 2,864.79
Lc 1,466.08
Ts 1,046.72
Ls 285.00
SE 0.051 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 285′

350

355

N



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SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104219
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.347+00 TO STA.360+00

SCALE: 1"=50′

10/15/2014
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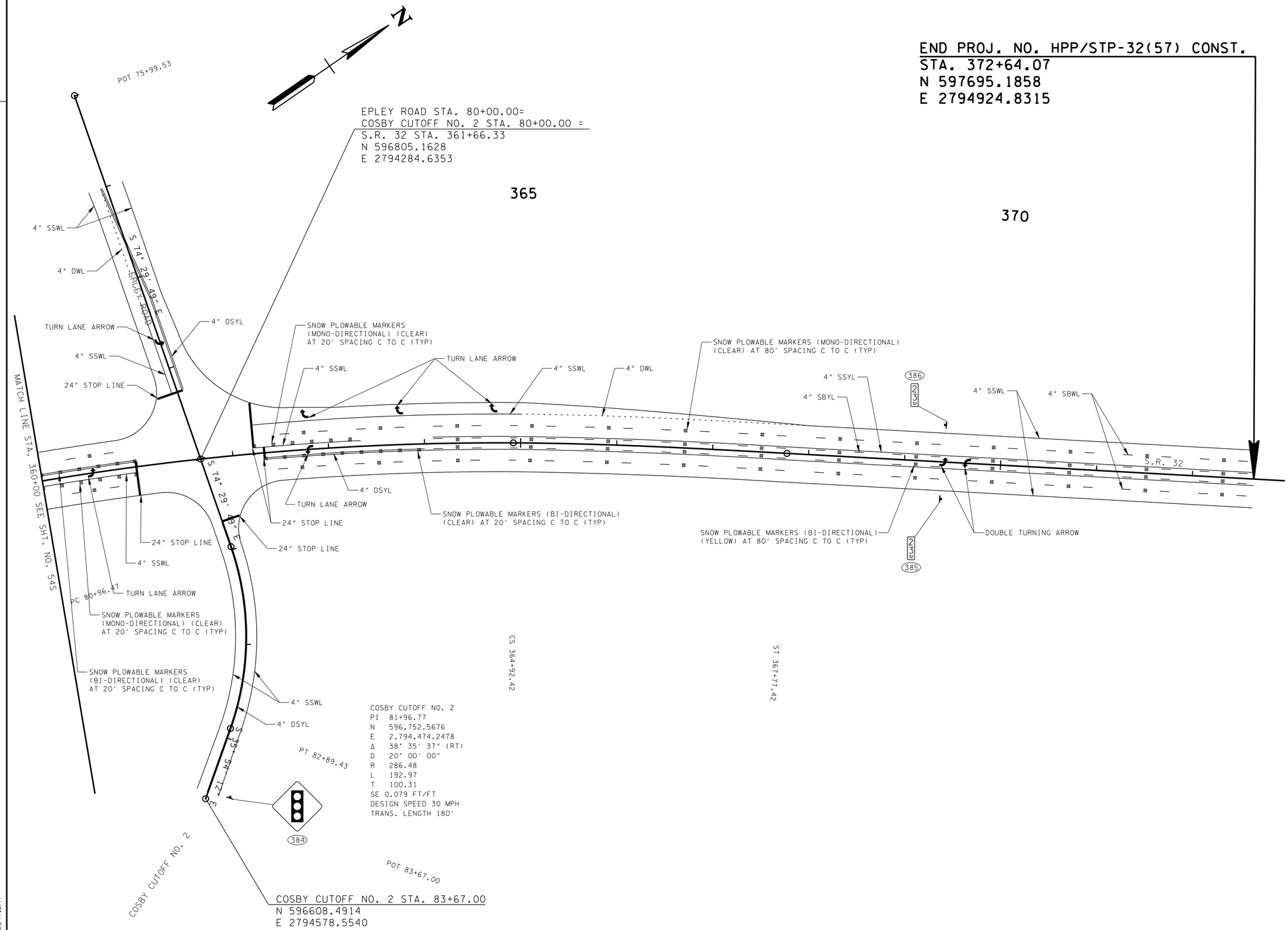
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	54T



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Brian H. Trotter
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DEPARTMENT OF AGRICULTURE
COMMERCE
NO. 108131
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & MARKING LAYOUTS

STA.360+00 TO END PROJ.

SCALE: 1"=50'

10/15/2014
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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)

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	55

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.		
27	SPEED LIMIT 55 R2-1		36"	48"									BLACK	WHITE (REF.)	0.100" SHEET ALUMINUM	P8	h =13'-6"				5'-0"	
154																	h =13'-6"					
155																	h =13'-6"					
280																	h =13'-6"					
281																	h =13'-6"					
379																	h =13'-6"					
50	SPEED LIMIT 45 R2-1		36"	48"									BLACK	WHITE (REF.)	0.100" SHEET ALUMINUM	P8	h =13'-6"				5'-0"	
51																	h =13'-6"					
375																	h =13'-6"					
376																	h =13'-6"					
67	SPEED LIMIT 45 W3-5		36"	36"									BLACK	WHITE (REF.)	0.100" SHEET ALUMINUM	P8	h =13'-6"				5'-0"	
68																	h =13'-6"					
373																	h =13'-6"					
374																	h =13'-6"					
4	STOP R1-1		48"	48"									WHITE (REF.)	RED (REF.)	0.100" SHEET ALUMINUM	U3	h_1=14'-0" h_2=14'-6"				5'-0"	
176			36"	36"											0.080" SHEET ALUMINUM	P8	h =13'-6"					
17	W3-1		48"	48"									(ARROW) BLACK (STOP) RED (REF.)	YELLOW (FLOR.)	0.100" SHEET ALUMINUM	U3	h_1=14'-0" h_2=14'-6"				5'-0"	
18																	h_1=14'-0" h_2=14'-6"					
30																P8	h =13'-6"					
31																	h =13'-6"					
115																	h =13'-6"					
116																	h =13'-6"					
132																	h =13'-6"					
134																	h =13'-6"					
177																	h =13'-6"					
178																	h =13'-6"					
179																	h =13'-6"					
227																	h =13'-6"					
260																	h =13'-6"					
277																	h =13'-6"					
314																	h =13'-6"					
315																	h =13'-6"					
355																	h =13'-6"					
23	R4-7		24"	30"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	U3	h =12'-6"				5'-0"	
383																	h =12'-6"					
380	W3-3		36"	36"									BLACK RED (REF.) GREEN (REF.)	YELLOW (REF.)	0.100" SHEET ALUMINUM	P8	h =13'-6"				5'-0"	
381																	h =13'-6"					
384																	h =13'-6"					
21	W6-3		36"	36"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	P8	h =13'-6"				5'-0"	
28	W4-2L		48"	48"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	U3	h_1=14'-0" h_2=14'-6"				5'-0"	
29																	h_1=14'-0" h_2=14'-6"					

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	55A

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.		
16	DEER W11-3		36"	36"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	P8	h =13'-6"				5'-0"	
371																	h =13'-6"					
19	W6-1		36"	36"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	P8	h =13'-6"				5'-0"	
48	LEFT LANE ENDS W9-1		48"	48"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	U3	h_1=14'-0" h_2=14'-6"				5'-0"	
49																	h_1=14'-0" h_2=14'-6"					
133	STOP R1-1		36"	36"									WHITE (REF.)	RED (REF.)	0.080" SHEET ALUMINUM	P5	h =12'-0"				5'-0"	SLIP BASE REQUIRED ITEM NO. 713-11.21 SEE STD. DWG. T-S-23A.
317	R3-2		24"	24"									RED (REF.)	WHITE (REF.)			h =12'-0"					
39	ONE WAY R6-1R STOP R1-1 DIVIDED HIGHWAY W1-8L		36" 36" 30"	12" 36" 24"									BLACK WHITE (REF.) BLACK	WHITE (REF.) BLACK RED (REF.) WHITE (REF.)	0.080" SHEET ALUMINUM	P5	h =13'-0"				5'-0"	SLIP BASE REQUIRED ITEM NO. 713-11.21 SEE STD. DWG. T-S-23A.
47																	h =13'-0"					
66																	h =13'-0"					
106																	h =13'-0"					
114																	h =13'-0"					
124																	h =13'-0"					
167																	h =13'-0"					
175																	h =13'-0"					
226																	h =13'-0"					
259																	h =13'-0"					
269																	h =13'-0"					
305																	h =13'-0"					
313																	h =13'-0"					
347																	h =13'-0"					
363																	h =13'-0"					
22	DO NOT ENTER R5-1		36"	36"									WHITE (REF.)	WHITE (REF.) RED (REF.)	0.100" SHEET ALUMINUM	P8	h =12'-6"				5'-0"	
34																	h =12'-6"					
35																	h =12'-6"					
40																	h =12'-6"					
41																	h =12'-6"					
54																	h =12'-6"					
55																	h =12'-6"					
59																	h =12'-6"					
60																	h =12'-6"					
71																	h =12'-6"					
72																	h =12'-6"					
76																	h =12'-6"					
77																	h =12'-6"					
87																	h =12'-6"					
88																	h =12'-6"					
92																	h =12'-6"					
93																	h =12'-6"					
101																	h =12'-6"					

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SIGN SCHEDULE

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	55B

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.	
102																	h =12'-6"				
107																	h =12'-6"				
108																	h =12'-6"				
119																	h =12'-6"				
120																	h =12'-6"				
125																	h =12'-6"				
126																	h =12'-6"				
136																	h =12'-6"				
137																	h =12'-6"				
142																	h =12'-6"				
143																	h =12'-6"				
147																	h =12'-6"				
148																	h =12'-6"				
162																	h =12'-6"				
163																	h =12'-6"				
168																	h =12'-6"				
169																	h =12'-6"				
182																	h =12'-6"				
183																	h =12'-6"				
187																	h =12'-6"				
188																	h =12'-6"				
197	DO NOT ENTER	R5-1	36"	36"									WHITE (REF.)	WHITE (REF.) RED (REF.)	0.100" SHEET ALUMINUM	P8	h =12'-6"				5'-0"	
198																	h =12'-6"				
202																	h =12'-6"				
203																	h =12'-6"				
214																	h =12'-6"				
215																	h =12'-6"				
219																	h =12'-6"				
220																	h =12'-6"				
234																	h =12'-6"				
235																	h =12'-6"				
239																	h =12'-6"				
240																	h =12'-6"				
247																	h =12'-6"				
248																	h =12'-6"				
252																	h =12'-6"				
253																	h =12'-6"				
264																	h =12'-6"				
265																	h =12'-6"				
270																	h =12'-6"				
271																	h =12'-6"				
284																	h =12'-6"				
285																	h =12'-6"				
289																	h =12'-6"				
290																	h =12'-6"				
300																	h =12'-6"				
301																	h =12'-6"				

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SIGN SCHEDULE

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	55C

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.	
306	DO NOT ENTER R5-1		36"	36"									WHITE (REF.)	WHITE (REF.) RED (REF.)	0.100" SHEET ALUMINUM	P8	h =12'-6"				5'-0"	
307																	h =12'-6"					
319																	h =12'-6"					
320																	h =12'-6"					
325																	h =12'-6"					
326																	h =12'-6"					
330																	h =12'-6"					
331																	h =12'-6"					
342																	h =12'-6"					
343																	h =12'-6"					
348																	h =12'-6"					
349																	h =12'-6"					
358																	h =12'-6"					
359																	h =12'-6"					
364																	h =12'-6"					
365																	h =12'-6"					
382																	h =12'-6"					
24																	h =11'-6"					
25																	h =11'-6"					
32																	h =11'-6"					
33																	h =11'-6"					
42																	h =11'-6"					
43																	h =11'-6"					
52																	h =11'-6"					
53																	h =11'-6"					
61																	h =11'-6"					
62																	h =11'-6"					
69																	h =11'-6"					
70																	h =11'-6"					
78																	h =11'-6"					
79																	h =11'-6"					
85																	h =11'-6"					
86	WRONG WAY R5-1A		36"	24"									WHITE (REF.)	RED (REF.)	0.080" SHEET ALUMINUM	P8	h =11'-6"				5'-0"	
94																	h =11'-6"					
95																	h =11'-6"					
99																	h =11'-6"					
100																	h =11'-6"					
109																	h =11'-6"					
110																	h =11'-6"					
117																	h =11'-6"					
118																	h =11'-6"					
127																	h =11'-6"					
128																	h =11'-6"					
138																	h =11'-6"					
139																	h =11'-6"					
140																	h =11'-6"					
141																	h =11'-6"					

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SIGN SCHEDULE

ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	55D

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.		
149																	h =11'-6"					
150																	h =11'-6"					
160																	h =11'-6"					
161																	h =11'-6"					
170																	h =11'-6"					
171																	h =11'-6"					
180																	h =11'-6"					
181																	h =11'-6"					
189																	h =11'-6"					
190																	h =11'-6"					
195																	h =11'-6"					
196																	h =11'-6"					
204																	h =11'-6"					
205																	h =11'-6"					
212																	h =11'-6"					
213																	h =11'-6"					
221																	h =11'-6"					
222																	h =11'-6"					
232																	h =11'-6"					
233																	h =11'-6"					
241																	h =11'-6"					
242																	h =11'-6"					
245																	h =11'-6"					
246	WRONG WAY	R5-1A	36"	24"									WHITE (REF.)	RED (REF.)	0.080" SHEET ALUMINUM	P8	h =11'-6"				5'-0"	
254																	h =11'-6"					
255																	h =11'-6"					
262																	h =11'-6"					
263																	h =11'-6"					
272																	h =11'-6"					
273																	h =11'-6"					
282																	h =11'-6"					
283																	h =11'-6"					
291																	h =11'-6"					
292																	h =11'-6"					
298																	h =11'-6"					
299																	h =11'-6"					
308																	h =11'-6"					
309																	h =11'-6"					
321																	h =11'-6"					
322																	h =11'-6"					
323																	h =11'-6"					
324																	h =11'-6"					
332																	h =11'-6"					
333																	h =11'-6"					
340																	h =11'-6"					
341																	h =11'-6"					
350																	h =11'-6"					

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SIGN SCHEDULE

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	55E

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.		
351	WRONG WAY R5-1A		36"	24"									WHITE (REF.)	RED (REF.)	0.080" SHEET ALUMINUM	P8	h =11'-6"				5'-0"	
356																	h =11'-6"					
357																	h =11'-6"					
366																	h =11'-6"					
367																	h =11'-6"					
377																						MOUNTED BEHIND SIGN NO. 375
378																						MOUNTED BEHIND SIGN NO. 376
36																						MOUNTED BEHIND SIGN NO. 37
44																						MOUNTED BEHIND SIGN NO. 45
57																						MOUNTED BEHIND SIGN NO. 56
63																						MOUNTED BEHIND SIGN NO. 64
73																						MOUNTED BEHIND SIGN NO. 74
80																						MOUNTED BEHIND SIGN NO. 81
89																						MOUNTED BEHIND SIGN NO. 90
96																						MOUNTED BEHIND SIGN NO. 97
103																						MOUNTED BEHIND SIGN NO. 104
111																						MOUNTED BEHIND SIGN NO. 112
121																						MOUNTED BEHIND SIGN NO. 122
129																						MOUNTED BEHIND SIGN NO. 130
144																						MOUNTED BEHIND SIGN NO. 145
151																						MOUNTED BEHIND SIGN NO. 152
164																						MOUNTED BEHIND SIGN NO. 165
172																						MOUNTED BEHIND SIGN NO. 173
185																						MOUNTED BEHIND SIGN NO. 184
191																						MOUNTED BEHIND SIGN NO. 192
199																						MOUNTED BEHIND SIGN NO. 200
206																						MOUNTED BEHIND SIGN NO. 207
216	ONE WAY R6-1R		36"	12"									BLACK	WHITE (REF.) BLACK	0.080" SHEET ALUMINUM							MOUNTED BEHIND SIGN NO. 217
223																						MOUNTED BEHIND SIGN NO. 224
236																						MOUNTED BEHIND SIGN NO. 237
243																						MOUNTED BEHIND SIGN NO. 243A
249																						MOUNTED BEHIND SIGN NO. 250
256																						MOUNTED BEHIND SIGN NO. 257
266																						MOUNTED BEHIND SIGN NO. 267
274																						MOUNTED BEHIND SIGN NO. 275
286																						MOUNTED BEHIND SIGN NO. 287
293																						MOUNTED BEHIND SIGN NO. 294
302																						MOUNTED BEHIND SIGN NO. 303
310																						MOUNTED BEHIND SIGN NO. 311
327																						MOUNTED BEHIND SIGN NO. 328
334																						MOUNTED BEHIND SIGN NO. 335
344																						MOUNTED BEHIND SIGN NO. 345
352																						MOUNTED BEHIND SIGN NO. 353
361																						MOUNTED BEHIND SIGN NO. 360
368																						MOUNTED BEHIND SIGN NO. 369
135																U1	h =11'-0"				5'-0"	
318																	h =11'-0"					

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DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	55F

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.		
58	ONE WAY R6-1L		36"	12"									BLACK	WHITE (REF.) BLACK	0.080" SHEET ALUMINUM	U1	h =11'-0"				5'-0"	
75																	h =11'-0"					
82																	h =11'-0"					
91																	h =11'-0"					
98																	h =11'-0"					
131																	h =11'-0"					
146																	h =11'-0"					
153																	h =11'-0"					
186																	h =11'-0"					
193																	h =11'-0"					
201																	h =11'-0"					
208																	h =11'-0"					
218																	h =11'-0"					
238																	h =11'-0"					
244																	h =11'-0"					
251																	h =11'-0"					
276																	h =11'-0"					
288																	h =11'-0"					
295																	h =11'-0"					
329																	h =11'-0"					
336																	h =11'-0"					
354																	h =11'-0"					
370																	h =11'-0"					
38																						MOUNTED BEHIND SIGN NO. 39
46																						MOUNTED BEHIND SIGN NO. 47
65																						MOUNTED BEHIND SIGN NO. 66
105																						MOUNTED BEHIND SIGN NO. 106
113																						MOUNTED BEHIND SIGN NO. 114
123																						MOUNTED BEHIND SIGN NO. 124
166																						MOUNTED BEHIND SIGN NO. 167
174																						MOUNTED BEHIND SIGN NO. 175
225																						MOUNTED BEHIND SIGN NO. 226
258																						MOUNTED BEHIND SIGN NO. 259
268																						MOUNTED BEHIND SIGN NO. 269
304																						MOUNTED BEHIND SIGN NO. 305
312																						MOUNTED BEHIND SIGN NO. 313
346																						MOUNTED BEHIND SIGN NO. 349
362																						MOUNTED BEHIND SIGN NO. 363
37	ONE WAY R6-1L R1-2		36" 36"X36"	12" 36"									BLACK RED (REF.)	WHITE (REF.) (REF.) BLACK	0.080" SHEET ALUMINUM	P8	h =14'-0"				5'-0"	
45																	h =14'-0"					
56																	h =14'-0"					
64																	h =14'-0"					
74																	h =14'-0"					
81																	h =14'-0"					
90																	h =14'-0"					
97																	h =14'-0"					
104																	h =14'-0"					

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SIGN SCHEDULE

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	55G

SIGN NO	LEGEND	SHEET NO	SIZE LENGTH	SIZE HEIGHT	SIZE RADIUS	SIZE BORDER WIDTH	COPY CAPITAL	COPY LOWER CASE	COPY NUMERAL	COPY SERIES	SHIELD	ARROW	SIGN FACE COPY	SIGN FACE BACKGROUND	SIGN FACE MATERIAL	STEEL DESIGN (BREAK-AWAY) SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. CU. YD.	REIN STEEL LBS.	MINIMUM VERTICAL CLEARANCE	REMARKS
112																	h =14'-0"					
122																	h =14'-0"					
130																	h =14'-0"					
145																	h =14'-0"					
152																	h =14'-0"					
165																	h =14'-0"					
173																	h =14'-0"					
184																	h =14'-0"					
192																	h =14'-0"					
200																	h =14'-0"					
207																	h =14'-0"					
217																	h =14'-0"					
224																	h =14'-0"					
237																	h =14'-0"					
243A	ONE WAY R6-1L		36"	12"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	h =14'-0"				5'-0"	
250																	h =14'-0"					
257	R1-2		36"X36"	36"X36"									RED (REF.)	(REF.) BLACK			h =14'-0"					
267																	h =14'-0"					
275																	h =14'-0"					
287																	h =14'-0"					
294																	h =14'-0"					
303																	h =14'-0"					
311																	h =14'-0"					
328																	h =14'-0"					
335																	h =14'-0"					
345																	h =14'-0"					
353																	h =14'-0"					
360																	h =14'-0"					
369																	h =14'-0"					
26	TN-22a		24"	12"									WHITE	GREEN (REF.)	0.080" SHEET ALUMINUM	P8	h =15'-0"				5'-0"	
156	NORTH M3-3		24"	12"													h =15'-0"					
279	321 M1-4		30"	24"									BLACK	WHITE (REF.)			h =15'-0"					
157	TN-22a		24"	12"									WHITE	GREEN (REF.)	0.080" SHEET ALUMINUM	P8	h =15'-0"				5'-0"	
296	SOUTH M3-4		24"	12"													h =15'-0"					
372	321 M1-4		30"	24"									BLACK	WHITE (REF.)			h =15'-0"					
5	TN-22a, M3-3 NORTH, TN-6a 73, M4-5 TO, M1-1 INTERSTATE 40, M6-1; TN-22a, SOUTH M3-4, 321 M1-4, M6-1		24" / 24" / 24" / 24" / 30" / 21"	12" / 12" / 24" / 12" / 24" / 15"									WHITE	GREEN (REF.)	0.080" SHEET ALUMINUM	P6 P5	h_1=15"-0" h_2=13'-0"				5'-0"	SLIP BASE REQUIRED ITEM NO. 713-11.21 SEE STD. DWG. T-S-23A.

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SIGN SCHEDULE

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SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. CU. YD.	REIN STEEL LBS.		
13	TN-22a; M3-3 NORTH; TN-6a 73 TN-22a; M4-5 TO SOUTH M3-4; M1-1 INTERSTATE 40 321 M1-4; M5-1 M5-1		24″ 24″ 24″ 24″ 30″ 21″	12″ 12″ 24″ 12″ 24″ 15″									WHITE BLACK	GREEN (REF.) WHITE (REF.)	0.080″ SHEET ALUMINUM	P6 P5	h_1=15′-0″ h_2=13′-0″				5′-0″	SLIP BASE REQUIRED ITEM NO. 713-11.21 SEE STD. DWG. T-S-23A.
83 84	MILE 19 32; TN-17b		6″	19″									WHITE (REF.)	GREEN (REF.)	0.080″ SHEET ALUMINUM	U1	h =9″-0″ h =9″-0″				4′-0″	
158 159	MILE 20 32; TN-17b		6″	19″									WHITE (REF.)	GREEN (REF.)	0.080″ SHEET ALUMINUM	U1	h =9″-0″ h =9″-0″				4′-0″	
230 231	MILE 21 32; TN-17b		6″	19″									WHITE (REF.)	GREEN (REF.)	0.080″ SHEET ALUMINUM	U1	h =9″-0″ h =9″-0″				4′-0″	
337 338	MILE 22 32; TN-17b		6″	19″									WHITE (REF.)	GREEN (REF.)	0.080″ SHEET ALUMINUM	U1	h =9″-0″ h =9″-0″				4′-0″	
385 386	MILE 23 32; TN-17b		6″	19″									WHITE (REF.)	GREEN (REF.)	0.080″ SHEET ALUMINUM	U1	h =9″-0″ h =9″-0″				4′-0″	
316	NEWPORT CITY LIMITS; TN-3		42″	24″									WHITE (REF.)	GREEN (REF.)	0.100″ SHEET ALUMINUM	U3	h_1=12′-0″ h_2=12′-6″				5′-0″	
20	Cosby → Gatlinburg →; D1-2		72″	30″			6″	4.5″		"D"		6″X9″	WHITE (REF.)	GREEN (REF.)	0.100″ SHEET ALUMINUM	U3	h_1=12′-6″ h_2=13′-0″				5′-0″	
7 9	COSBY CREEK; TN-5 LEROY SHULTS MEMORIAL BRIDGE; TN-26		30″ 60″	18″ 18″									WHITE (REF.)	GREEN (REF.)	0.080″ SHEET ALUMINUM 0.100″ SHEET ALUMINUM	U3	h_1=13′-0″ h_2=13′-6″				5′-0″	
10	A DOPT HIGHWAY Tennessee NEXT 3.8 MILES; TN-43 COCKE COUNTY NAVY JUNIOR ROTC UNIT USE EXISTING SIGN FACE		48″ 48″	24″ 18″±									WHITE (REF.)	GREEN (REF.)	0.100″ SHEET ALUMINUM	U3	h_1=13′-6″ h_2=14′-0″				5′-0″	USE EXISTING LOWER SIGN FACE.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	55H

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ROLAND LEE JONES REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 17569 STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

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.		
229	Tennessee Army National Guard Armory ←		60"	42"			6" 6" 6"	4.5" 4.5" 4.5"		"D"		6"X9"	WHITE (REF.)	GREEN (REF.)	0.100" SHEET ALUMINUM	P8	h_1=15'-6" h_2=16'-0" h_3=16'-6"				7'-0"	
210	Tennessee Army National Guard Armory →		60"	42"			6" 6" 6"	4.5" 4.5" 4.5"		"D"		6"X9"	WHITE (REF.)	GREEN (REF.)	0.100" SHEET ALUMINUM	P8	h_1=15'-6" h_2=16'-0" h_3=16'-6"				7'-0"	
261 278	TODDS USE EXISTING SIGN FACE		48"±	24"±												U3	h_1=12"-0"± h_2=12"-6"±					REMOVE AND RESET WITH NEW SUPPORTS- SHALL REMAIN UP THROUGH ALL PHASES OF CONSTRUCTION. ITEM NO. 713-16.41

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	551

UNOFFICIAL SET

NOT FOR BIDDING

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.

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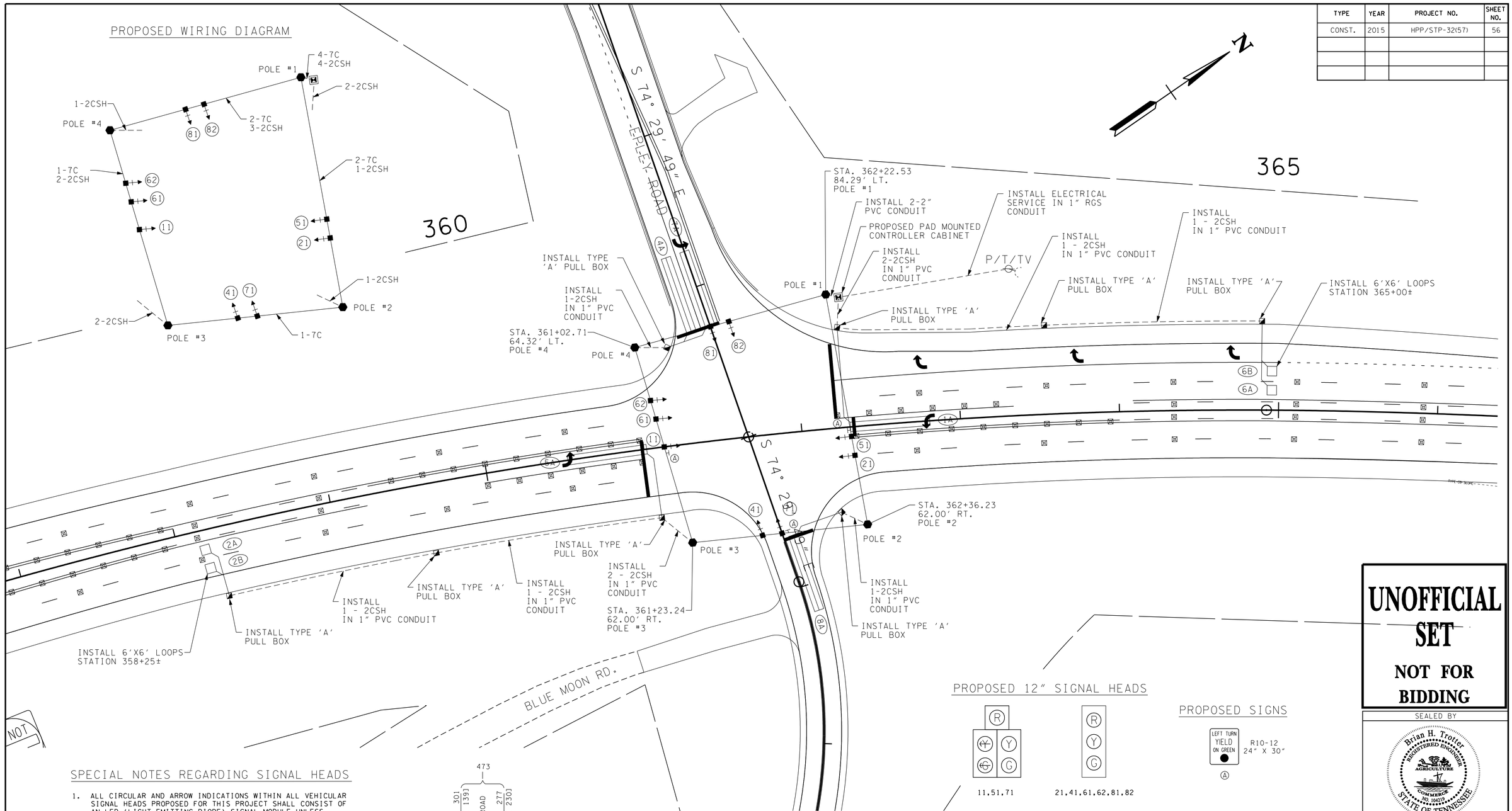
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	56

PROPOSED WIRING DIAGRAM



PROPOSED 12" SIGNAL HEADS

11,51,71

21,41,61,62,81,82

PROPOSED SIGNS

R10-12
24" X 30"

SPECIAL NOTES REGARDING SIGNAL HEADS

1. ALL CIRCULAR AND ARROW INDICATIONS WITHIN ALL VEHICULAR SIGNAL HEADS PROPOSED FOR THIS PROJECT SHALL CONSIST OF AN LED (LIGHT EMITTING DIODE) SIGNAL MODULE UNLESS OTHERWISE NOTED IN THE PLANS.

   CIRCULAR INDICATIONS SHALL MEET "ITE VTCSH-LED CIRCULAR SIGNAL SUPPLEMENT" FOR EXPANDED/EXTENDED VIEW.

   ARROW INDICATIONS SHALL MEET "ITE VTCSH-3 LED ARROW SPECIFICATION" FOR EXPANDED/EXTENDED VIEW.

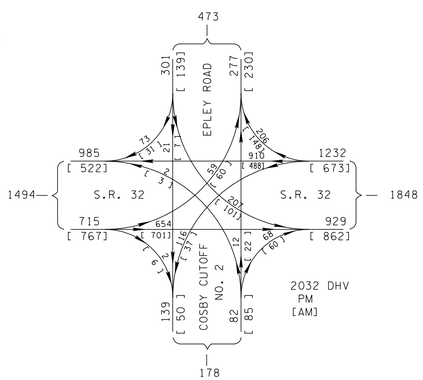
2. INCANDESCENT OR SCREW-IN MODULES ARE NOT ACCEPTABLE.

3. THE CONTRACTOR SHALL ENSURE LED SIGNAL MODULES ARE COMPATIBLE WITH CONFLICT MONITORS AND LOAD SWITCHES.

4. MANUFACTURER SHALL PROVIDE A MINIMUM FIVE YEAR WARRANTY FOR OPERATION OF THE LED SIGNAL MODULE.

5. ALL SIGNAL HEADS SHALL INCLUDE SWIVEL BALANCE ADJUSTERS TO MAINTAIN THE PROPER VISIBILITY.

6. THE ATTACHMENT OF THE TETHER WIRE TO THE POLE SHALL BE LOCATED BELOW THE LOWEST ELEVATION OF THE SIGNAL HEADS.



SIGNAL SUPPORT POLE DATA

POLE #	STATION S.R. 32	OFFSET FT.	NORTHING	EASTING	GRND. ELEV. @ POLE	ATTACHMENT ELEV.	MOMENT CAPACITY FT-LBS	FOOTING DEPTH FT.
1	362+22.53	84.29 LT.	596895.89	2794238.53	1283.80	1314.15	251074	12'-0"
2	362+36.23	62.00 RT.	596835.40	2794372.44	1277.50	1311.15	278584	12'-0"
3	361+23.24	62.00 RT.	596738.43	2794319.38	1281.70	1313.50	260724	12'-0"
4	361+02.71	64.32 LT.	596778.22	2794197.75	1285.80	1316.80	263015	12'-0"

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DEPARTMENT OF TRANSPORTATION

PROPOSED SIGNAL LAYOUT

SCALE: 1"= 30'

S.R. 32 AND EPLEY ROAD/COSBY CUTOFF NO. 2

10/15/2014
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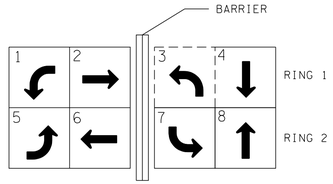
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	56A

NEMA EIGHT PHASE DESIGNATIONS



ACTIVE PHASE

INACTIVE PHASE

- OPERATION IS DUAL ENTRY MODE, FULL SKIP CAPABILITY
- SINGLE DIRECTION, LAGGING LEFT TURN PHASES ARE NOT ALLOWED
- ALL SIGNAL DISPLAYS AND CLEARANCES SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

BASIC OR SEMI - ACTUATED TIMING (SECS)

PHASE	INITIAL INTERVAL	VEHICLE INTERVAL	MAX I	MAX II	CLEARANCE		PEDESTRIAN		RECALL TO	MEMORY POSITION (1)	LEFT TURN OPERATION (2)
					YELLOW	ALL RED	WALK	FLASHING DON'T WALK			
1	6	2	14.9		4.5	2.5				NL	P+P
4	6	2	28.2		3.5	2.5				NL	
5	6	2	14.9		4.5	2.5				NL	P+P
7	6	2	8.2		3.5	2.5				NL	P+P
8	6	2	13.0		4.5	2.5				NL	

(1)NL = NONLOCK
L = LOCK

(2)PERM = PERMITTED
PROT = PROTECTED
P + P = PROT/PERM

VOLUME - DENSITY TIMING (SECS)

PHASE	INITIAL INTERVAL	ADDED INITIAL PER ACTUATION	PASSAGE TIME	MINIMUM GAP	TIME BEFORE REDUCTION	TIME TO REDUCE	MAX I	MAX II	CLEARANCE		PEDESTRIAN		RECALL TO	MEMORY POSITION (1)
									YELLOW	ALL RED	WALK	FLASHING DON'T WALK		
2	15	2.3	4.5	3	5.6	5.6	16.9		4.5	2.5				L
6	15	2.3	4.5	3	5.6	5.6	16.9		4.5	2.5				L

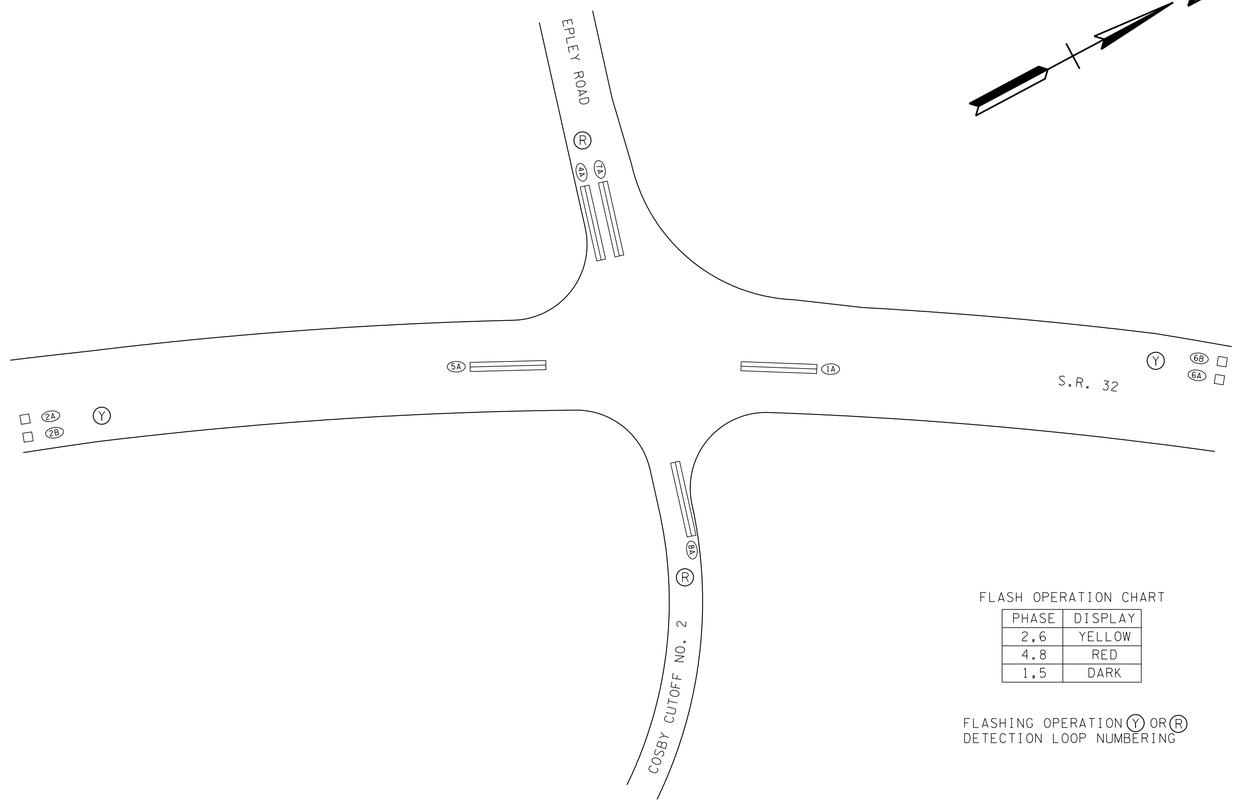
THESE TIMINGS ARE INITIAL AND MAY BE ADJUSTED BY THE CONTRACTOR BASED ON FIELD OBSERVATIONS TO PROVIDE EFFICIENT OPERATIONS.

LOOP AND AMP ASSIGNMENTS

LOOP #	AMP #	LOOP LENGTH	TURNS	AMP MODE	AMP FEATURE TIMING (SEC)
1A	1	50'	2-4-2	PRESENCE	
2A	2	6'	3	PRESENCE	
2B	3	6'	3	PRESENCE	
4A	5	50'	2-4-2	PRESENCE	
5A	6	50'	2-4-2	PRESENCE	
6A	7	6'	3	PRESENCE	
6B	8	6'	3	PRESENCE	
7A	9	50'	2-4-2	PRESENCE	
8A	4	50'	2-4-2	PRESENCE	

- ALL LOOPS ARE 6' IN WIDTH, CENTERED IN TRAFFIC LANE.
- LOOP WIRE CONNECTIONS SHALL BE WIRED TO PROVIDE THE APPROXIMATE INDUCTANCE AS REQURED BY STD. DWG. T-SG-3.
- DETECTOR LOOP NUMBERS CORRESPOND WITH INPUT PHASE NUMBERS.

DETECTION LOOP DIAGRAM



FLASH OPERATION CHART

PHASE	DISPLAY
2,6	YELLOW
4,8	RED
1,5	DARK

FLASHING OPERATION (Y) OR (R)
DETECTION LOOP NUMBERING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
NO. 104219

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PHASING, TIMING & DETECTOR ASSIGNMENT

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
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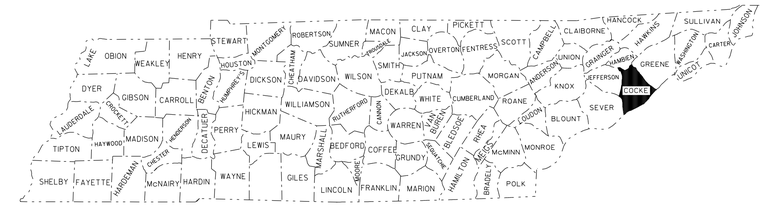
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING AND DEVELOPMENT

GEOTECHNICAL OPERATIONS SECTION

GEOLOGIC SYMBOLS



S.R. 32 (U.S. 321)
From: S.R. 73 (Wilton Springs Rd.)
To: One Half Mile South of I–40 in Newport

COCKE COUNTY, TENNESSEE

SOIL LEGEND AND AASHTO CLASSIFICATION

GENERAL CLASS.	GRANULAR MATERIALS (≤35% PASSING #200)							SILT-CLAY MATERIALS (> 35% PASSING #200)				ORGANIC MATERIALS		
GROUP CLASS.	A-1		A-3	A-2				A-4	A-5	A-6	A-7	A-1,A-2 A-3	A-4,A-5 A-6,A-7	
	A-1-a	A-1-b		A-2-4	A-2-5	A-2-6	A-2-7				A-7-5 A-7-6			
SYMBOL														
% PASSING #10	50 MX											GRANULAR SOILS	SILT-CLAY SOILS	MUCK, PEAT
#40	30 MX	50 MX	51 MN											
#200	15 MX	25 MX	10 MX	35 MX	35 MX	35 MX	35 MX	36 MN	36 MN	36 MN	36 MN			
(PASSING #40) LL				40 MX	41 MN	40 MX	41 MN	40 MX	41 MN	40 MX	41 MN	SOILS WITH LITTLE OR MODERATE AMOUNTS OF ORGANIC MATTER		HIGHLY ORGANIC SOILS
PI	6 MX		N.P.	10 MX	10 MX	11 MN	11 MN	10 MX	10 MX	11 MN	11 MN			
GROUP INDEX	0		0	0		4 MX		8 MX	12 MX	16 MX	NO MX			
USUAL TYPES OF MAJOR MATERIALS	STONE FRAGS. GRAVEL & SAND		FINE SAND	SILTY OR CLAYEY GRAVEL AND SAND				SILTY SOILS		CLAYEY SOILS				

* PI OF A-7-5 < (LL-30); PI OF A-7-6 > (LL-30)

ADDITIONAL ROCK SYMBOLS

SHALE	LIMESTONE	SILTSTONE	WEATHERED SHALE	EXISTING ROADWAY FILL	RANDOM BACKFILL	WEATHERED LIMESTONE	GRADED SOLID ROCK

AI	Activity Index
LI	Liquidity Index
S+C	Silt + Clay (% finer than No.200 Sieve)
○	Rockline Soundings
◕	Disturbed Sample Boring
◎	Undisturbed Sample Boring
⦿	Undisturbed Sample Boring & Rock Core
●	Rock Core
	Slope Inclinometer Installation typical applications:
	Cone Penetration Test Boring
OW	Observation Well
➡	Approximate Footing Elevation
▼(Date)	Water Elevation
VS (psf)	Field Vane Shear Strength
N	Penetration Resistance
Qu (psf)	Unconfined Compressive Strength
UU (psf)	Unconsolidated Undrained Triaxial Strength
w%	Moisture Content
RQD	Rock Quality Designation
REC	Core Recovery
∅	Angle of Internal Friction (Total Stress)
$\overline{\emptyset}$	Angle of Internal Friction (Effective Stress)
c (psf)	Cohesion (Total Stress)
$\overline{c}$ (psf)	Cohesion (Effective Stress)
♂ (pcf)	Total Unit Weight
R	Refusal
NR	Refusal Not Encountered
(HA)	Hand Auger

UNOFFICIAL SET

NOT FOR BIDDING

DEVIN L. CHITTENDEN
PROFESSIONAL ENGINEER
XVI
AGRICULTURE
COMMERCE
No. 112911
STATE OF TENNESSEE

10/15/2014
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Survey & Design Division

GEOTECHNICAL CONSULTANT FLORENCE & HUTCHESON, INC.
ENGINEER J. SHANNON PROVANCE
P.E. NO. 15005-1238-14
GEOTECHNICAL ENGINEERING FILE NO. _____

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	57A

GEOTECHNICAL NOTES

1. The geotechnical investigations for existing SR 32 were performed by TDOT and summarized in reports dated February 8, 1991 and November 15, 1993. This current abbreviated report and accompanying drawings have been prepared to accommodate a proposed four lane depressed median template with updated stationing. This current report was prepared solely utilizing information included in the original TDOT reports.

2. The original subsurface investigation recommended a three (3) foot rock pad be placed beneath the subgrade from Station 199+50 to 207+00. This rock pad should be extended beneath the proposed widening and should be constructed of Graded Solid Rock wrapped in Type IV Geotextile Fabric, or 6 inches of #57 stone shall be utilized to “choke” the graded solid rock and prevent the migration of embankment soils into the layer.

3. Any Interpreted Rock Line shown is provided for informational purposes only. Bedrock in some areas may be “pinnacled” or slightly weathered to unweathered and visible at the existing ground surface. Rock may be encountered at elevations above the Interpreted Rock Line. Additionally, soils may be located below this line. The bidder’s attention is directed to the highly variable nature of the Interpreted Rock Line.

   More specifically, Limestone pinnacles may be encountered between Station 117+00 to Station 212+50, particularly between Station 117+00 to Station 124+50 and from Station 163+00 to Station 173+50.

4. Small caves were present in the limestone cliffs above the Cosby Creek floodplain in the area of Station 119+00. The caves are not on the Right-of-Way, however the cut should be monitored during excavation for evidence of karst and dissolution features.

5. A small sinkhole and cave was found 78 feet right of Stations 133+50 to 134+50 during the original subsurface investigation. The proposed cut interval may further expose this cave and the excavation should be monitored during construction. Similar features may be encountered or uncovered during construction operations. Remediation for addressing sinkholes in this area or for others discovered during construction shall be in accordance with the TDOT Sinkhole Standard Drawings “Sinkhole Treatment” or as directed by the Engineer.

6. The original subsurface investigation recommended treatment of a sinkhole near Station 155+00. Excavation within this area should be monitored during construction. Modification to this previously treated sinkhole may be required and shall be performed under direction of the Engineer.

7. The natural moisture contents of the overburden soils at the time of drilling are typically near or above the upper limit of the 95% compaction moisture range. Drying, handling, and manipulation of the soils are likely to be required in order to achieve the proper moisture content required to satisfy the compaction requirement.

8. The following station intervals shall require use of embankment benching to construct the proposed embankments. Embankment benching shall be in accordance with Section 205 of the Standard Specifications for Road and Bridge Construction. The nominal dimensions shown on the cross sections are the minimum recommended, however, other configurations may be utilized subject to the approval of the Engineer.

   Station 109+00 to Station 116+50
   Station 139+00 to Station 140+50
   Station 143+00 to Station 152+50
   Station 158+50 to Station 161+50
   Station 228+50 to Station 231+00
   Station 269+00 to Station 271+00
   Station 272+50 to Station 277+50
   Station 309+50 to Station 312+00
   Station 319+00 to Station 323+50
   Station 333+00 to Station 336+00
   Station 345+00 to Station 350+50
   Station 369+50 to Station 372+00

9. Rock embankment material shall consist of graded solid rock (GSR) unless otherwise specified, in accordance with Section 205 of the Standard Specifications for Road and Bridge Construction.

10. Embankments constructed of soil shall not exceed 45 feet in height. Embankments of greater heights can be achieved by constructing the lower portions with Graded Solid Rock with a minimum rock thickness of five (5) feet. A five (5) foot or greater drainage/stabilizing layer composed of graded solid rock is recommended within the following interval. Type IV Geotextile fabric or 6 inches of #57 stone shall be utilized to “choke” the graded solid rock and prevent the migration of embankment soils into the layer.

    Station 145+50 to Station 149+00

11. The drainage/stabilizing layer shall not daylight on embankment slopes where roadway ditches are present or where on-site or off-site drainage may enter the drainage/stabilizing layer.

12. Where rock is encountered in thin intervals, the rock shall be excavated/removed to accommodate the proposed soil slopes, typically 2H:1V or flatter, as directed by the Engineer.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

GEOTECHNICAL NOTES

10/15/2014
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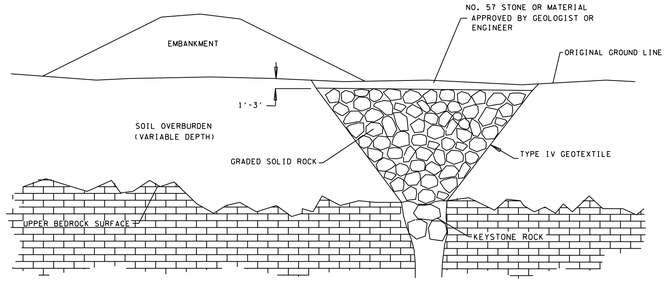
Survey & Design Division

TENNESSEE D.O.T.
DESIGN DIVISION

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	57B



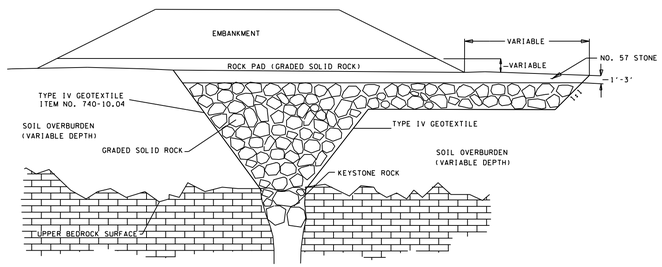
SINKHOLE TREATMENT 1

SINKHOLE TREATMENT 1, ACTIVE

NOTE: AFTER EXCAVATION IS COMPLETE AND ROCK OPENING IS EXPOSED, THE SITE AND TREATMENT METHOD SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS. THE TOP 1-3 FT. OF MATERIAL SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS.

SEQUENCE OF CONSTRUCTION:

1. EXCAVATE SINKHOLE TO DEFINED OPENING IN BEDROCK MAKING SURE TO REMOVE ALL SOIL AND DEBRIS.
2. FIT THE OPENING WITH KEYSTONE ROCK, WHICH SHALL BE OF SUFFICIENT SIZE TO LOCK IN PLACE WITHOUT CREATING AN AIRBLOCK TO SUBSURFACE DRAINAGE.
3. PLACE THE TYPE IV GEOTEXTILE FABRIC ON EXCAVATED SLOPES AND BASE OF SINKHOLE.
4. BACKFILL TO A MAXIMUM OF 1 FT. OF THE SPECIFIED GRADE WITH GRADED SOLID ROCK (CLASSIFICATION 203.02, BORROW EXCAVATION).
5. BACKFILL TO GRADE WITH A MINIMUM OF 1 FT. OF NO.57 STONE ON TOP OF THE GRADED SOLID ROCK AND TYPE IV GEOTEXTILE.



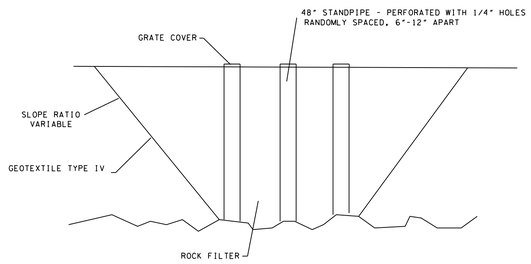
SINKHOLE TREATMENT 1A

SINKHOLE TREATMENT 1A ACTIVE

NOTE: AFTER EXCAVATION IS COMPLETE AND ROCK OPENING IS EXPOSED, THE SITE AND TREATMENT METHOD SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS. THE TOP 1-3 FT. MATERIAL SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS.

SEQUENCE OF CONSTRUCTION:

1. EXCAVATE SINKHOLE TO DEFINED OPENING IN BEDROCK AND EXCAVATE TONGUE DOWN TO THE DEPTH SHOWN MAKING SURE TO REMOVE ALL SOIL AND DEBRIS FROM THESE EXCAVATIONS.
2. FIT THE OPENING WITH KEYSTONE ROCK, WHICH SHALL BE OF SUFFICIENT SIZE TO LOCK IN PLACE WITHOUT CREATING AN AIRBLOCK TO SUBSURFACE DRAINAGE.
3. PLACE THE TYPE IV GEOTEXTILE FABRIC.
4. BACKFILL TO WITHIN 1.5-3 FT.OF THE SPECIFIED GRADE WITH GRADED SOLID ROCK.
5. PLACE THE TYPE IV GEOTEXTILE ON TOP OF GRADED SOLID ROCK.
6. BACKFILL TO GRADE WITH NO. 57 STONE.



SINKHOLE TREATMENT 3

SINKHOLE TREATMENT 3, ACTIVE

NOTE: AFTER EXCAVATION IS COMPLETE AND ROCK IS EXPOSED, THE SITE AND TREATMENT METHOD SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS.

SEQUENCE OF CONSTRUCTION

1. EXCAVATE SOIL DOWN TO BEDROCK TO LIMITS SPECIFIED BY THE ENGINEER OR GEOLOGIST.
2. LOCATE ALL OPENINGS WITHIN THE PITS, REMOVE ALL LOOSENED MATERIAL. ALL EXCAVATED MATERIALS SHALL BE REMOVED FROM THE BASIN.
3. INSTALL 48" DIAMETER VERTICAL STANDPIPES OVER THE LOCATED OPENINGS. THESE PIPES SHOULD BE PERFOFATED FOR AT LEAST THE LOWER 5 FT. WITHIN 1/4" HOLES SPACES 6-12" APART.
4. PLACE TYPE IV GEOTEXTILE FABRIC AS SHOWN OR AS DIRECTED BY THE ENGINEER OR GEOLOGIST TO PREVENT THE LATERAL INFLOW OF FINES.
5. BACKFILL WITH A ROCK FILTER TO A HEIGHT OF 3.5" BELOW THE TOP OF THE STANDPIPE.

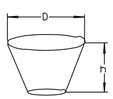
THE ROCK FILTER MATERIAL SHALL CONSIST OF A MIXTURE OF LIMESTONE SHOT ROCK AND CRUSHED STONE TO MEET THE FOLLOWING GRADATION:

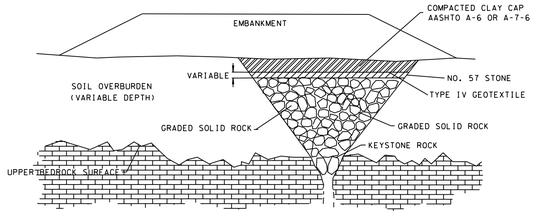
SIZE RANGE (ALONG ITS MAXIMUM DIMENSION)	VOLUME
2'-1'	60-40%
1'-6"	40-20%
6"-2"	20-10%
LESS THAN 2"	5-0%

6. THE ROCK FILTER MATERIAL SHALL BE PLACED WITH A CLAMSHELL. NO END DUMPING WILL BE PERMITTED.

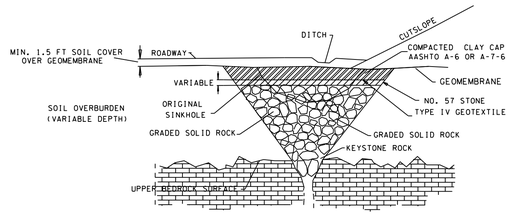
EQUATION FOR ESTIMATING SINKHOLE VOLUME, WHERE THE SIDES OF THE SINKHOLE ARE AT 1:1 SLOPES.

$$\text{VOL. } 1{:}1 \approx 0.13D^3 - (0.5D - h)^3$$

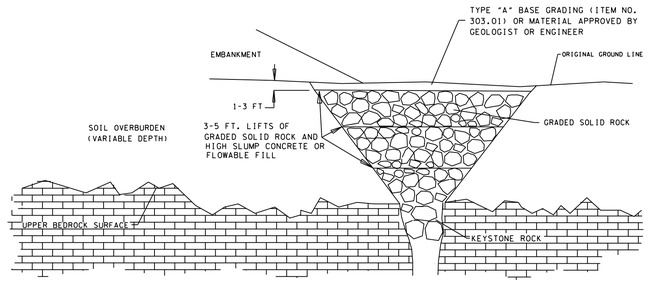




SINKHOLE TREATMENT 2



SINKHOLE TREATMENT 2A



SINKHOLE TREATMENT 4

SINKHOLE TREATMENT 4,INACTIVE

NOTE: AFTER EXCAVATION IS COMPLETE AND ROCK OPENING IS EXPOSED, THE SITE AND TREATMENT METHOD SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS. ANY CHANGE IN THE THE NO.57 STONE FILL SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS.

SEQUENCE OF CONSTRUCTION

1. EXCAVATE SINKHOLE TO DEFINED OPENING IN BEDROCK AS DEFINED BY THE ENGINEER OR GEOLOGIST MAKING SURE TO REMOVE ALL SOIL DEBRIS.
2. FIT THE OPENING WITH KEYSTONE ROCK, WHICH SHALL BE OF SUFFICIENT SIZE TO LOCK IN PLACE WITHOUT CREATING AN AIRBLOCK TO SUBSURFACE DRAINAGE.
3. ALTERNATE LAYERS OF GRADED SOLID ROCK (CLASSIFICATION 203.02, BORROW EXCAVATION) (3-5 FT. IN DEPTH) AND HIGH SLUMP CONCRETE (OR FLOWABLE FILL). HIGH SLUMP CONCRETE SHALL BE CONCRETE WITH A SLUMP OF 7-9"

   HIGH SLUMP CONCRETE OR FLOWABLE FILL SHALL BE APPLIED AFTER A LAYER OF GRADED SOLID ROCK UNTIL THE CONCRETE (OR FLOWABLE FILL) JUST COVERS THE GRADED ROCK LAYER. THE NEXT LAYER OF GRADED SOLID ROCK SHALL BE PLACED IMMEDIATELY AFTER THE PLACEMENT OF THE CONCRETE (OR FLOWABLE FILL). THE PURPOSE OF THIS IS TO INTERMIX THE MATERIALS. THE WORK SHALL NOT BE INTERRUPTED AFTER THE PLACEMENT OF CONCRETE (OR FLOWABLE FILL) EXCEPT FOR THE TOP LAYER. IF WORK CANNOT BE FINISHED IN A SPECIFIED INTERVAL, WORK MAY BE STOPPED ONLY AFTER A COMPLETE LAYER OF GRADED SOLID ROCK HAS BEEN PLACED.
4. AFTER THE FINAL LAYER OF CONCRETE (OR FLOWABLE FILL) HAS BEEN SET, BACKFILL TO GRADE WITH TYPE "A" BASE GRADING (ITEM NO. 303.01) OR OTHER MATERIAL APPROVED BY THE ENGINEER OR GEOLOGIST.

SINKHOLE TREATMENT 2 AND 2A , INACTIVE

NOTE: AFTER EXCAVATION IS COMPLETE AND ROCK OPENING IS EXPOSED, THE SITE AND TREATMENT METHOD SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS. ANY CHANGE IN THE NO. 57 STONE FILL OR THE CLAY CAP SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS.

SEQUENCE OF CONSTRUCTION:

1. EXCAVATE SINKHOLE TO DEFINED OPENING IN BEDROCK MAKING SURE TO REMOVE ALL SOIL AND DEBRIS.
2. FIT THE OPENING WITH KEYSTONE ROCK, WHICH SHALL BE OF SUFFICIENT SIZE TO LOCK IN PLACE WITHOUT CREATING AN AIRBLOCK TO SUBSURFACE DRAINAGE.
3. BACKFILL WITH GRADED SOLID ROCK (CLASSIFICATION 203.02, BORROW EXCAVATION) UP TO SPECIFIED GRADE.
4. PLACE NO. 57 STONE ON TOP OF THE GRADED SOLID ROCK. PLACE TYPE IV GEOTEXTILE ON TOP OF THE NO. 57 STONE.
5. CONSTRUCT COMPACT CLAY CAP. SOIL SHOULD BE OF TYPE AASHTO A-6 OR A-7-6.
6. PLACE GEOMEMBRANE ON TOP OF SOIL CAP BEFORE CONSTRUCTION OF ANY OVERLYING STRUCTURES OR EMBANKMENTS. THERE SHOULD BE A MINIMUM OF 1.5 FT. OF SOIL PLACED OVER THE MEMBRANE.
7. DITCH SHOULD BE PAVED OR LINED WITH A GEOMEMBRANE.

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SPECIFICATIONS FOR GRADED SOLID ROCK

BORROW EXCAVATION (GRADED SOLID ROCK) SHALL CONSIST OF THE REMOVAL AND SATISFACTORY PLACEMENT OF SOUND, NON-DEGRADABLE ROCK WITH A MAXIMUM SIZE OF 1 METER (3 FEET). AT LEAST 50 PERCENT OF THE SHALL BE UNIFORMLY DISTRIBUTED BETWEEN 300 MILLIMETERS (1 FOOT) AND 1 METER (3 FEET) IN DIAMETER AND NO GREATER THAN 10 PERCENT SHALL BE LESS THAN 50 MILLIMETERS (2 INCHES) IN DIAMETER. THE MATERIAL SHALL BE ROUGHLY EQUI-DIMENSIONAL IN SHAPE. THIN, SLABBY MATERIAL WILL NOT BE ACCEPTED. THE CONTRACTOR SHALL BE REQUIRED TO PROCESS THE MATERIAL WITH ACCEPTABLE MECHANICAL SCREENING PROCESS THAT PRODUCES THE REQUIRED GRADATION. WHEN THE MATERIAL IS SUBJECTED TO FIVE ALTERATIONS OF THE SODIOM SULFATE SOUNDNESS TEST (AASHTO T 104), THE WEIGHTED PERCENTAGE OF LOSS SHALL BE NOT MORE THAN 12. THE MATERIAL SHALL BE APPROVED BY THE ENGINEER BEFORE USE.

DEVIN L. CHITTENDEN PROFESSIONAL ENGINEER XVI AGRICULTURE COMMERCE No. 112811 STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

SINKHOLE STANDARD DRAWINGS

SINKHOLE TREATMENT ILLUSTRATIONS

1, 1A, 2, 2A, 3, AND 4

Survey & Design Division

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	57C

Sample No.	Description	Maximum Density, (pcf)	Moisture Range, (%)	L.L.	P.I.	AASHTO Class.	C.B.R.
1	Orange Silty Clay	96.3	17.7 - 26.6	56	30	A-7-6	4
2	Orange Shaley Clay	97.5	19.5 - 26.5	50	21	A-7-6	
3	Orange Shaley Clay	106.3	14.0 - 20.5	42	23	A-7-6	
4	Reddish-Brown Sandy Clay	97.2	19.7 - 26.4	57	26	A-7-5	
5	Reddish-Brown Shaley Clay	102.0	17.8 - 24.2	50	20	A-7-5	10
6	Yellowish-Brown Shaley Clay	106.8	14.6 - 21.2	46	24	A-7-6	
7	Light Brown Shaley Clay	104.8	16.0 - 22.8	46	21	A-7-6	
8	Orange Silty Clay	87.0	22.6 - 33.8	66	34	A-7-5	
9	Orange Silty Clay	93.6	23.0 - 29.6	61	30	A-7-5	
10	Orange Silty Clay	100.0	20.0 - 25.4	57	26	A-7-5	6
11	Brown Silty Clay	98.3	16.5 - 26.5	64	37	A-7-6	
12	Orange to Red Sandy Clay	103.5	16.6 - 23.3	42	16	A-7-6	
13	Sandy Clay	96.3	19.3 - 28.1	60	27	A-7-5	6
14	Orange to Brown Silty Clay	104.5	14.5 - 22.0	55	26	A-7-6	
15	Orange Silty Clay	82.7	26.8 - 39.3	97	50	A-7-5	
16	Light Brown Shaley Clay	103.5	15.3 - 18.0	31	11	A-6	
17	Orange to Brown Shaley Clay	103.5	15.5 - 23.5	54	28	A-7-6	7
18	Reddish-Brown Silty Clay	102.8	15.2 - 23.4	47	21	A-7-6	
19	Light Brown Shale	119.5	8.4 - 14.7	33	13	A-6	
20	Greenish-Gray Shale	122.2	7.6 - 14.5	28	9	A-4	
21	Orangish-Brown Sandy Shale	94.5	17.8 - 26.0	36	11	A-6	

Sample No.	Description	Maximum Density, (pcf)	Moisture Range, (%)	L.L.	P.I.	AASHTO Class.	C.B.R.
1A	Orange Sandy Clay	102.5	17.5 - 23.5	54	29	A-7-6	4
2A	Red Brown Clay	86.0	27.0 - 38.0	77	39	A-7-5	
3A	Orange Clay	87.0	25.5 - 36.5	75	39	A-7-5	3
4A	Orange Brown Clay	83.5	29.0 - 39.0	83	44	A-7-5	
5A	Dark Brown Cherty Clay	107.0	15.5 - 21.5	45	20	A-7-6	
6A	Reddish Brown Clay	104.5	17.5 - 23.0	47	21	A-7-6	
7A	Reddish Brown Clay	104.5	17.5 - 23.0	47	20	A-7-6	7
8A	Orange Brown Clay	83.5	29.0 - 39.0	80	40	A-7-5	
9A	Orange Clay	83.5	29.0 - 39.0	81	42	A-7-5	3
10A	Orange Brown Silty Clay	83.5	29.0 - 39.0	82	42	A-7-5	
11A	Yellowish Brown Silty Clay	89.0	26.5 - 33.0	59	32	A-7-6	
12A	Light Brown Clay	121.0	9.0 - 14.0	26	11	A-6	
13A	Reddish Brown Clay	99.5	21.0 - 26.5	51	23	A-7-6	

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STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

SOIL DESCRIPTION SHEET

10/15/2014
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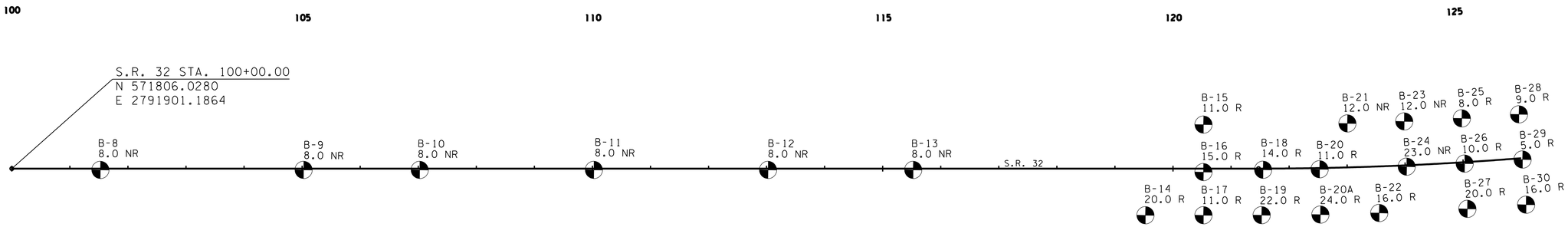
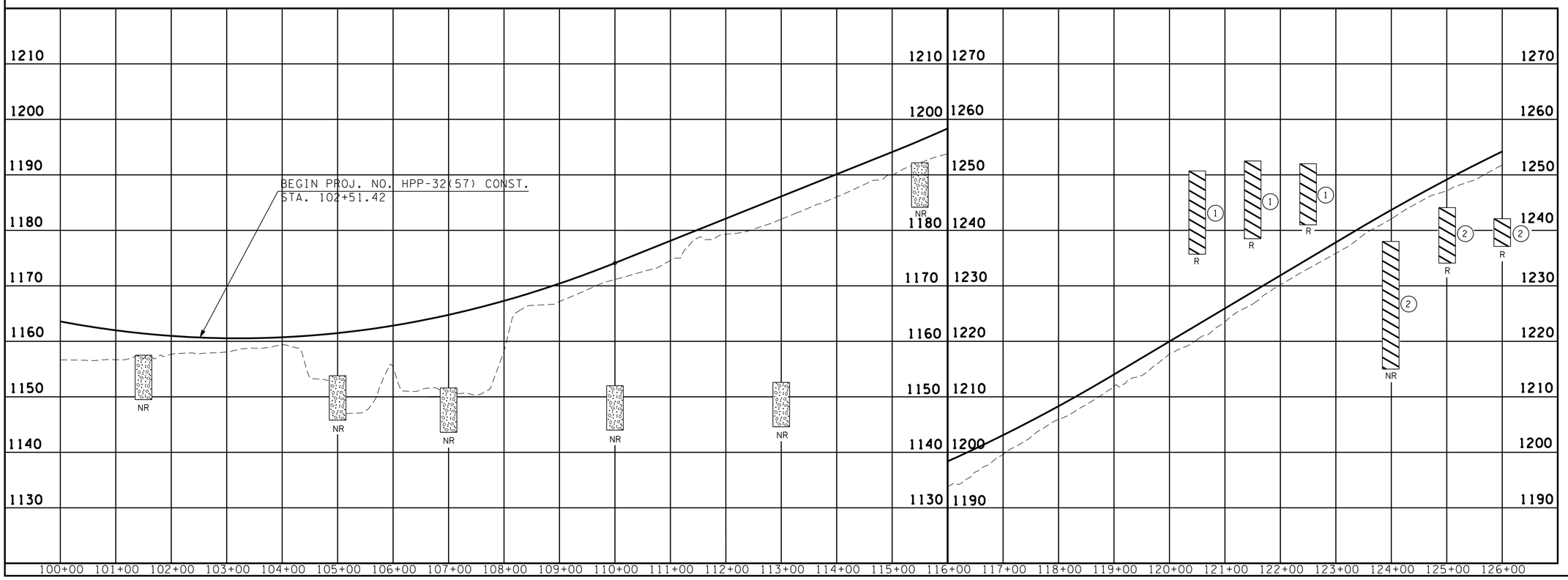
Survey & Design Division

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	57D





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DEVIN L. CHITTENDEN
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

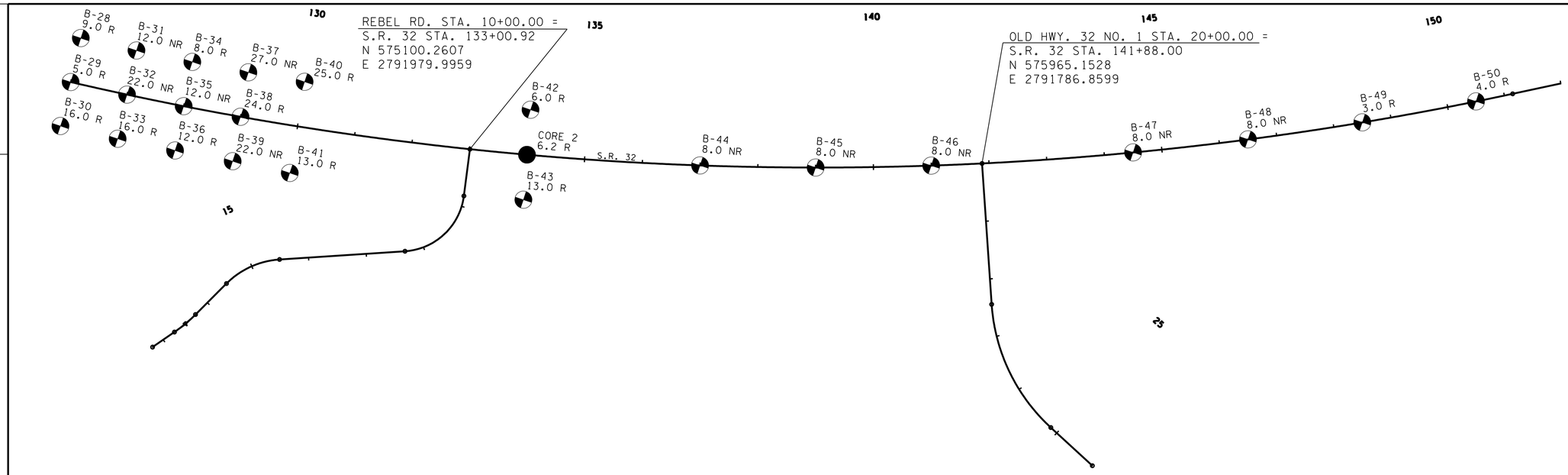
PROPOSED LAYOUT AND PROFILE

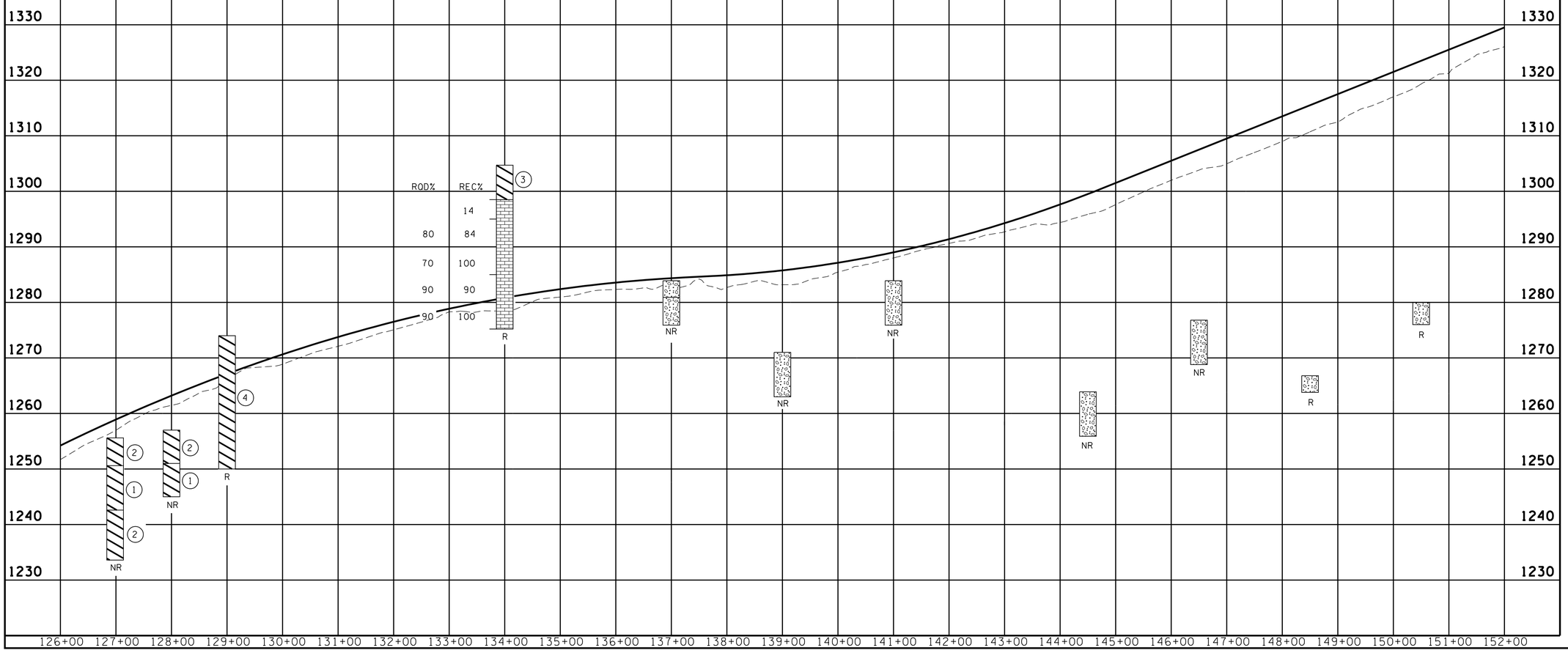
STA. 100+00 TO STA. 126+00

SCALE: 1"=100'

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	57E





UNOFFICIAL SET
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DEVIN L. CHITTENDEN
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XVI
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COMMERCE
No. 112111
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT AND PROFILE

STA. 126+00 TO STA. 152+00

SCALE: 1"=100'

10/20/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
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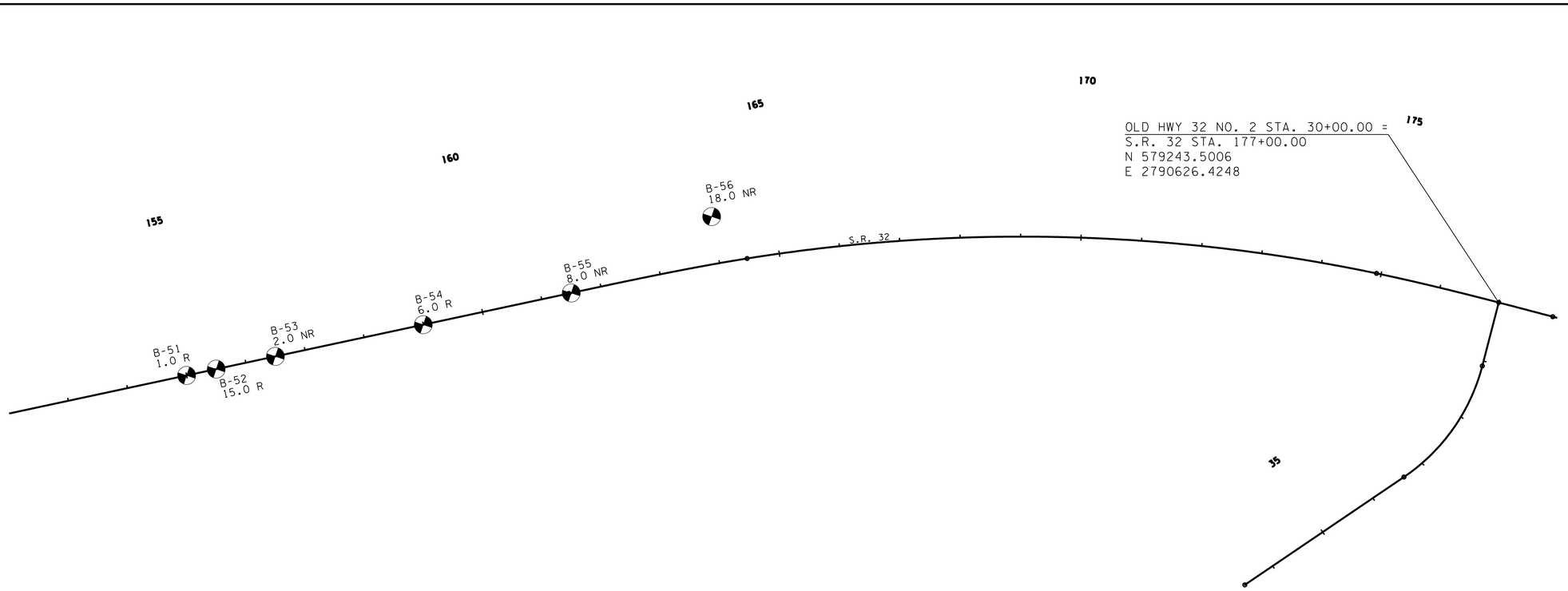

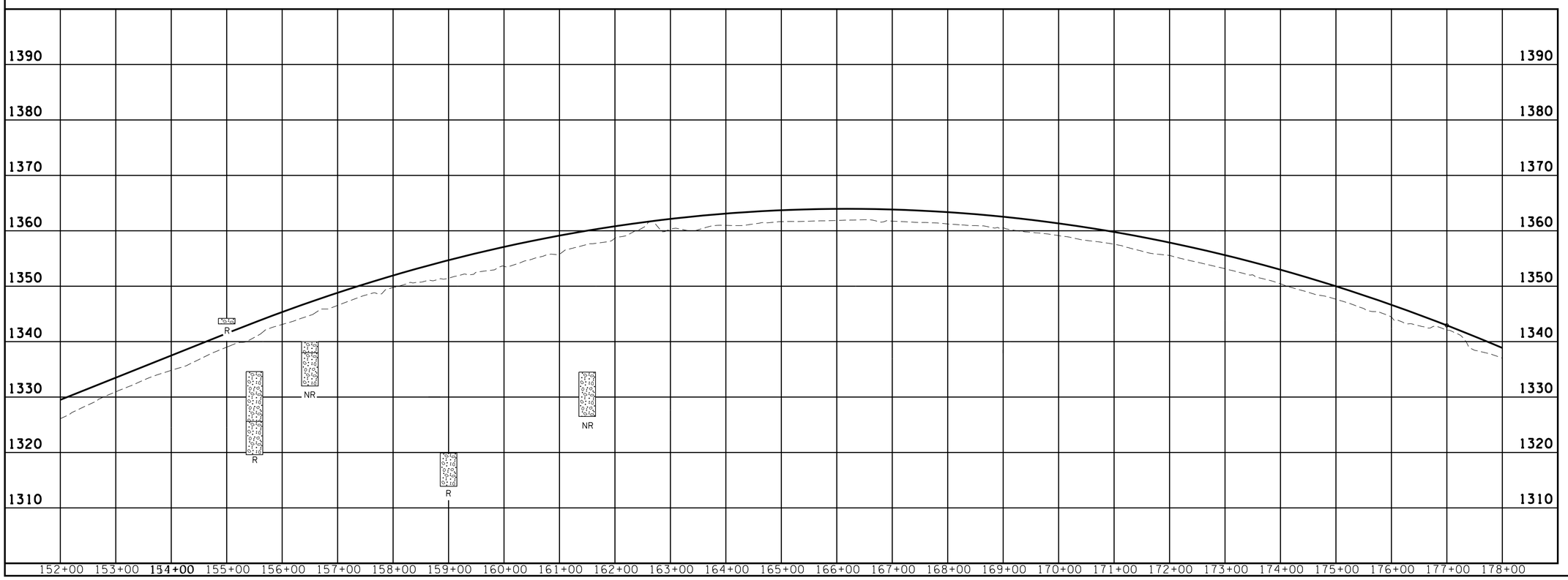

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DEVIN L. CHITTENDEN
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STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT AND PROFILE

STA. 152+00 TO STA. 178+00

SCALE: 1"=100'

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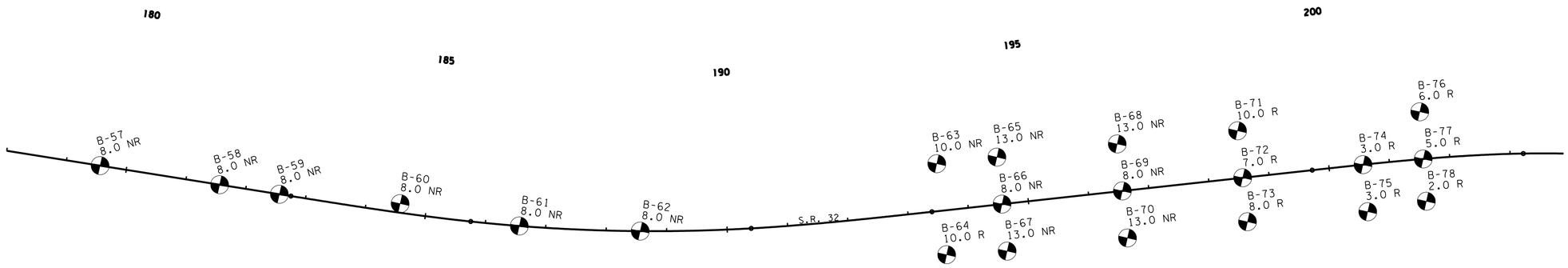
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	57G



10/20/2014
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UNOFFICIAL SET

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

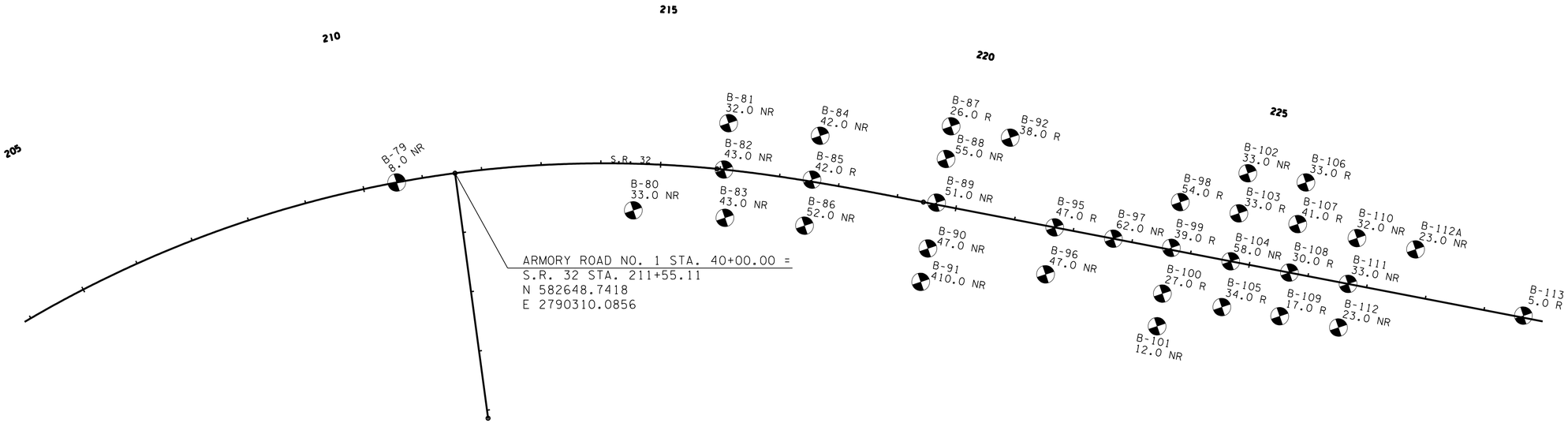
PROPOSED LAYOUT AND PROFILE

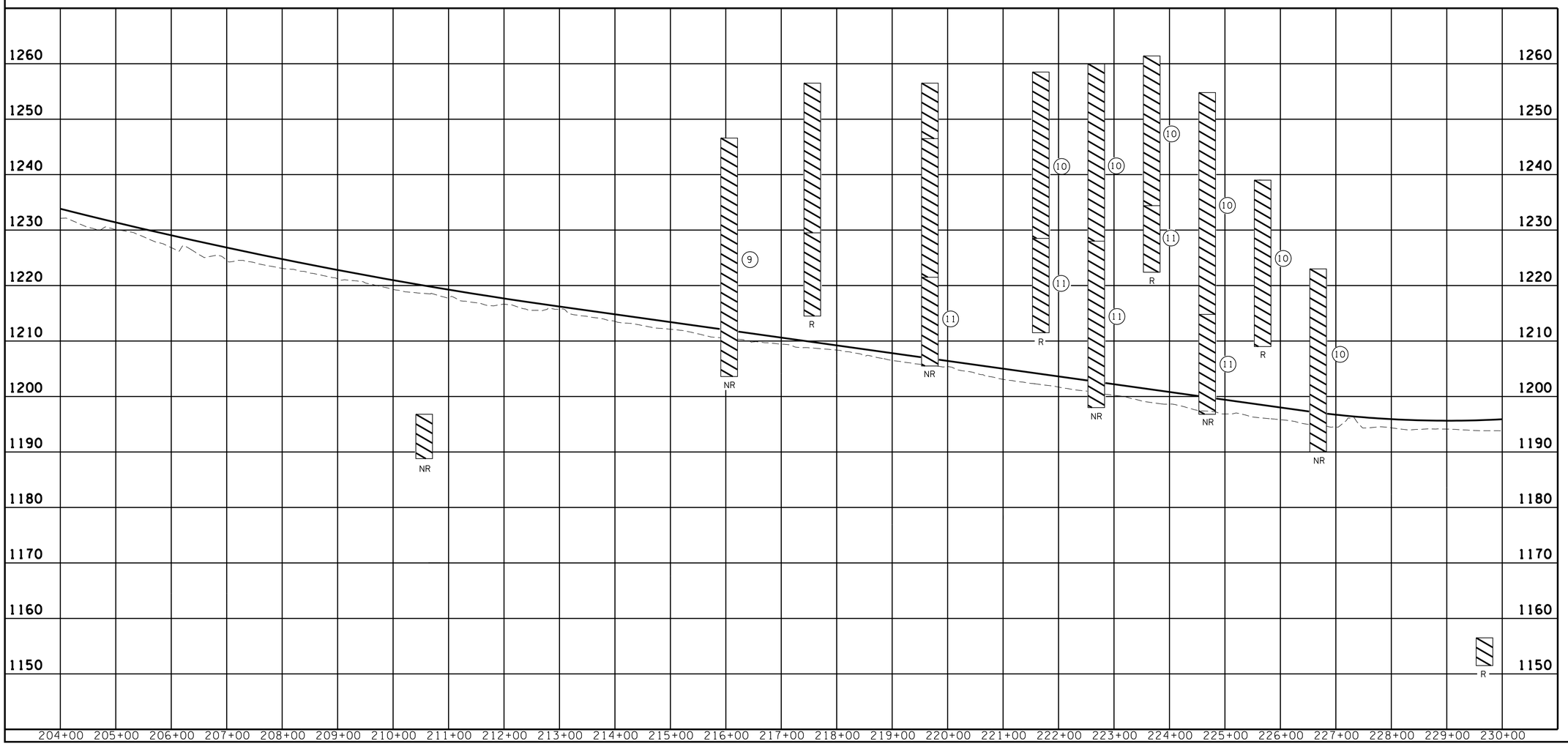
STA. 178+00 TO STA. 204+00

SCALE: 1"=100'

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	57H





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DEVIN L. CHITTENDEN
PROFESSIONAL ENGINEER
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STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

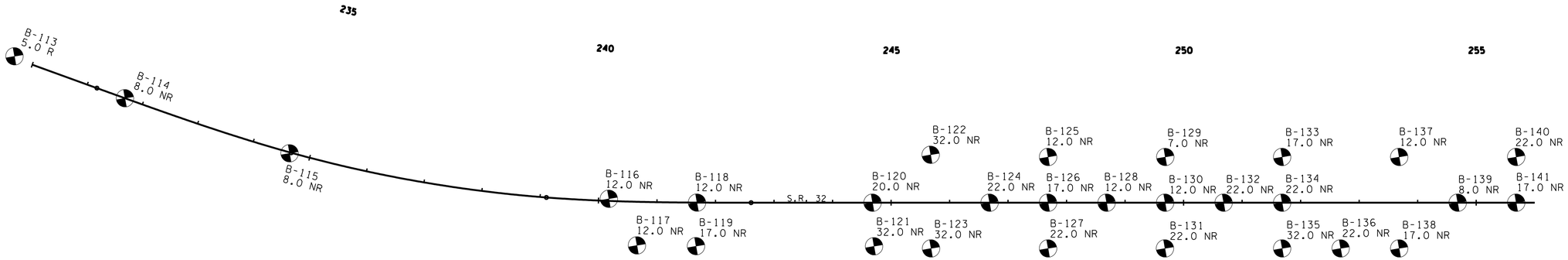
PROPOSED LAYOUT AND PROFILE

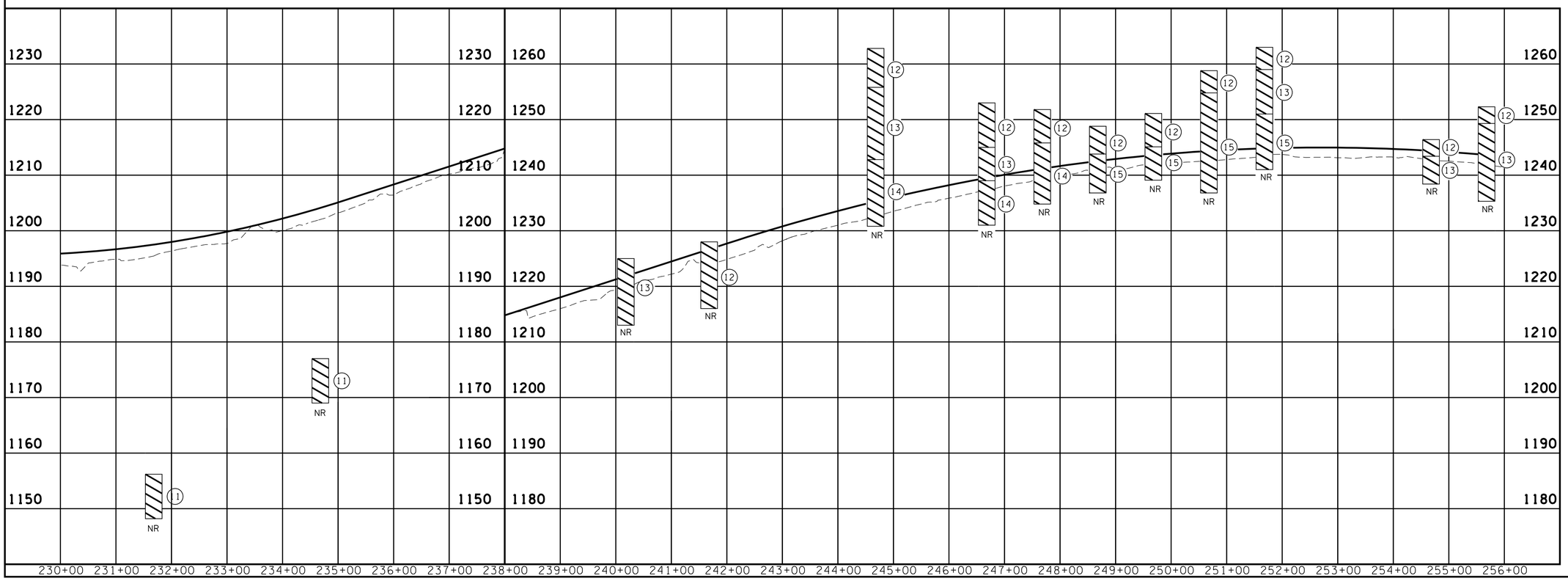
STA. 204+00 TO STA. 230+00

SCALE: 1"=100'

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	571





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DEVIN L. CHITTENDEN
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No. 112911
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

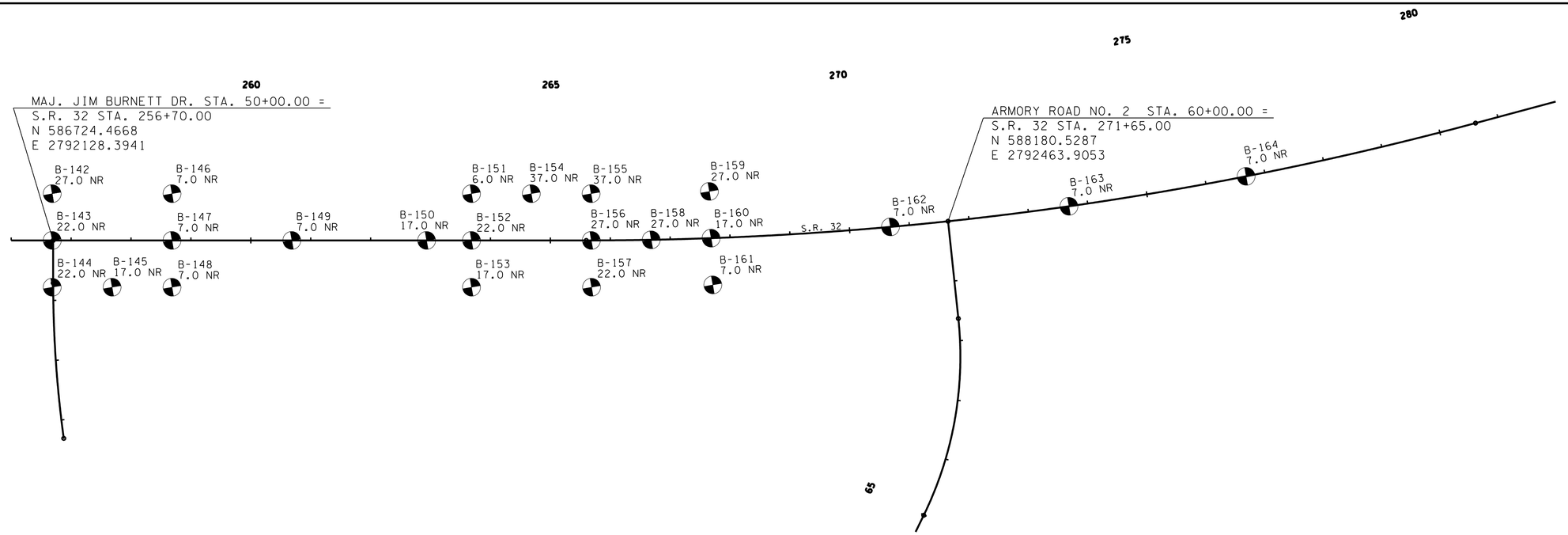
PROPOSED LAYOUT AND PROFILE

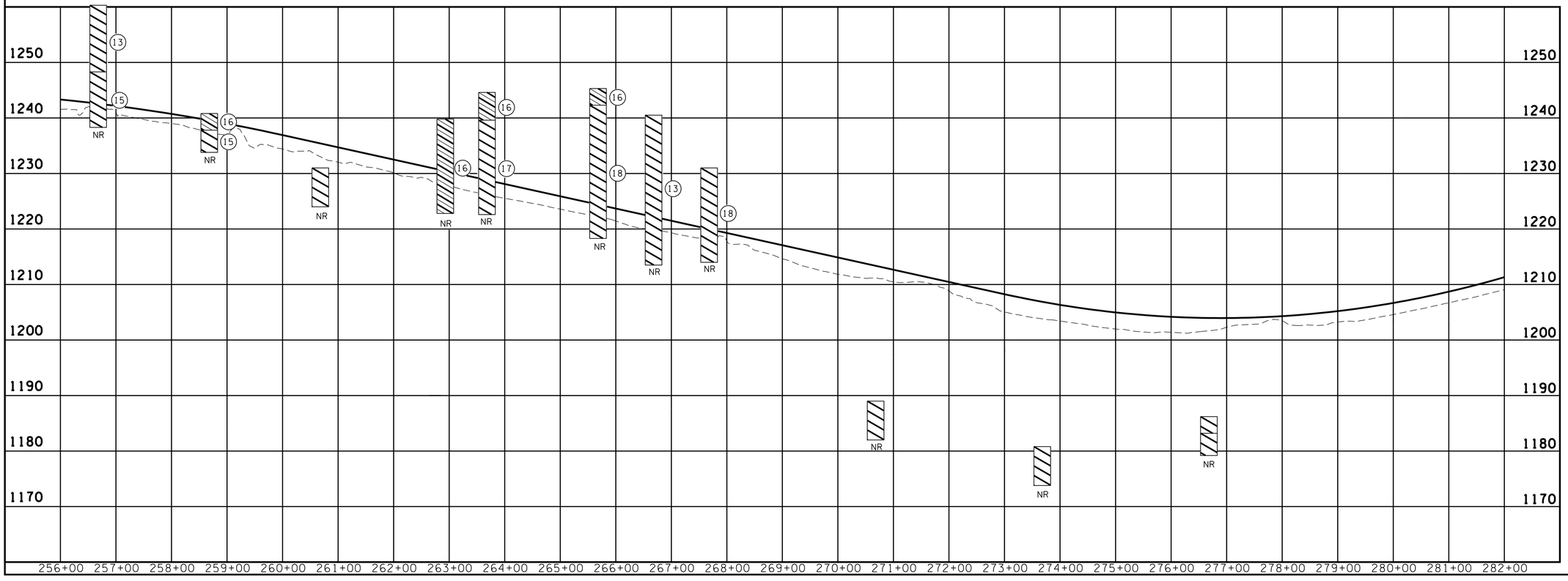
STA. 230+00 TO STA. 256+00

SCALE: 1"=100'

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	57J





10/20/2014
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UNOFFICIAL SET

NOT FOR BIDDING

DEVIN L. CHITTENDEN
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COMMERCE
No. 112811
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

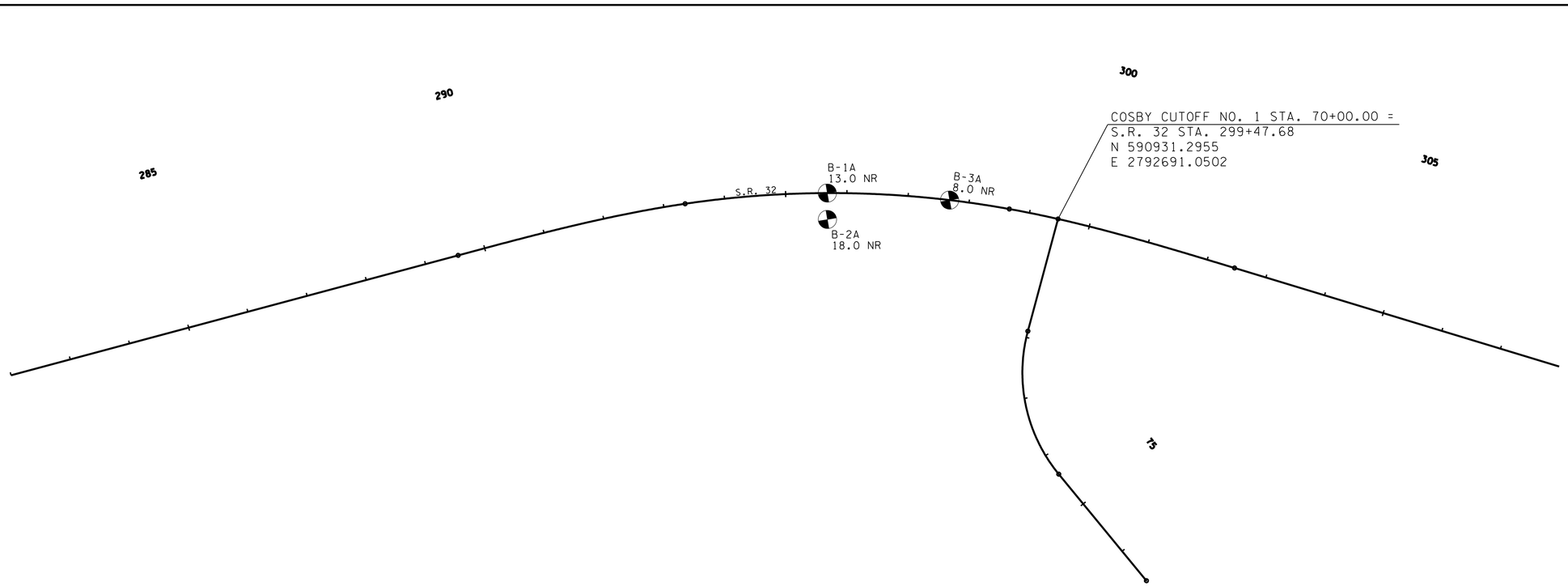
PROPOSED LAYOUT AND PROFILE

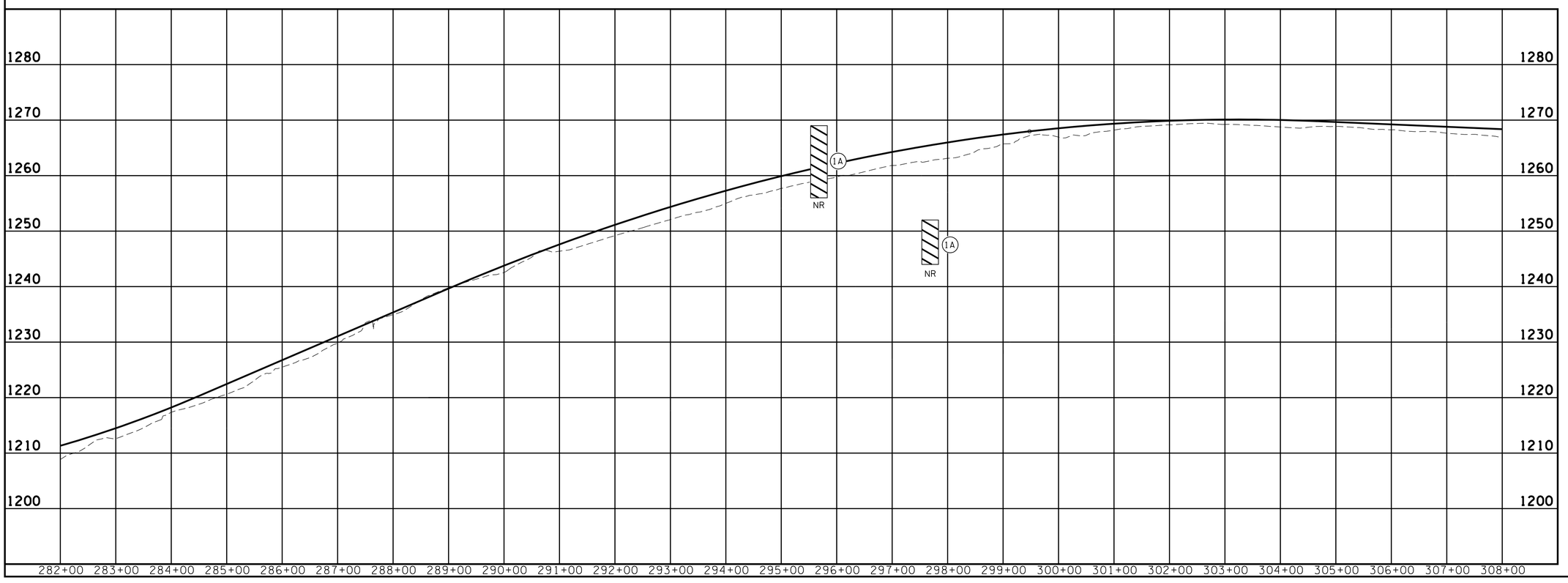
STA. 256+00 TO STA. 282+00

SCALE: 1"=100'

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	57K





UNOFFICIAL SET

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DEVIN L. CHITTENDEN
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COMMERCE
No. 112911
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT AND PROFILE

STA. 282+00 TO STA. 308+00

SCALE: 1"=100'

10/20/2014
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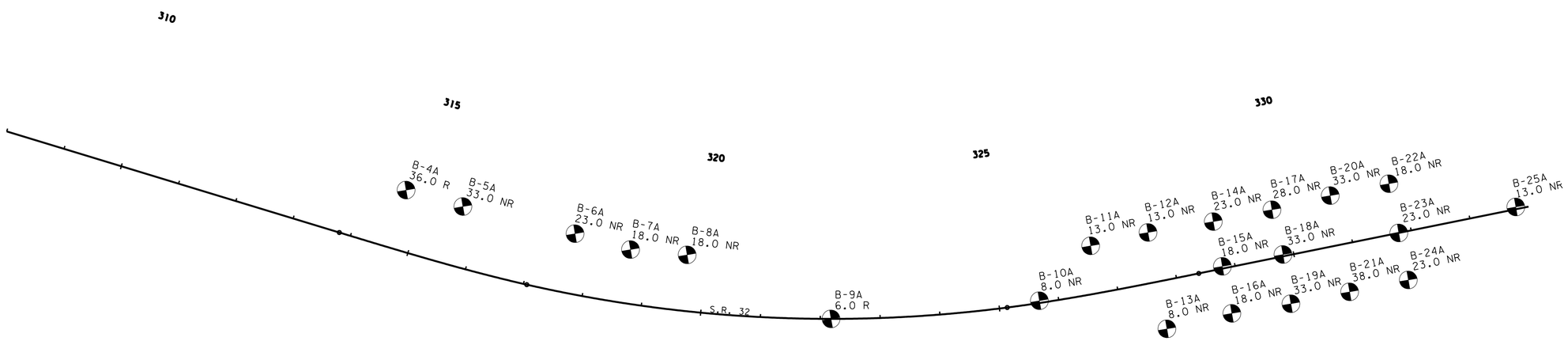
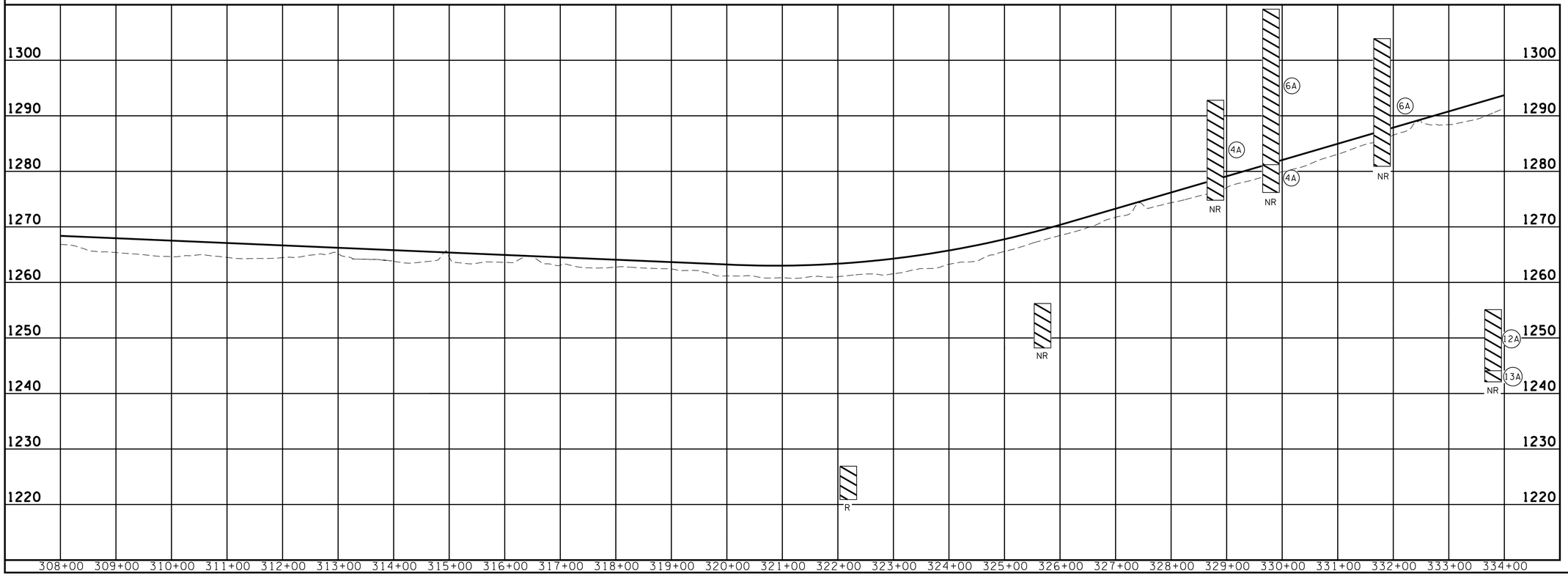
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	57L





10/20/2014
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DEVIN L. CHITTENDEN
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COMMERCE
No. 112811
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

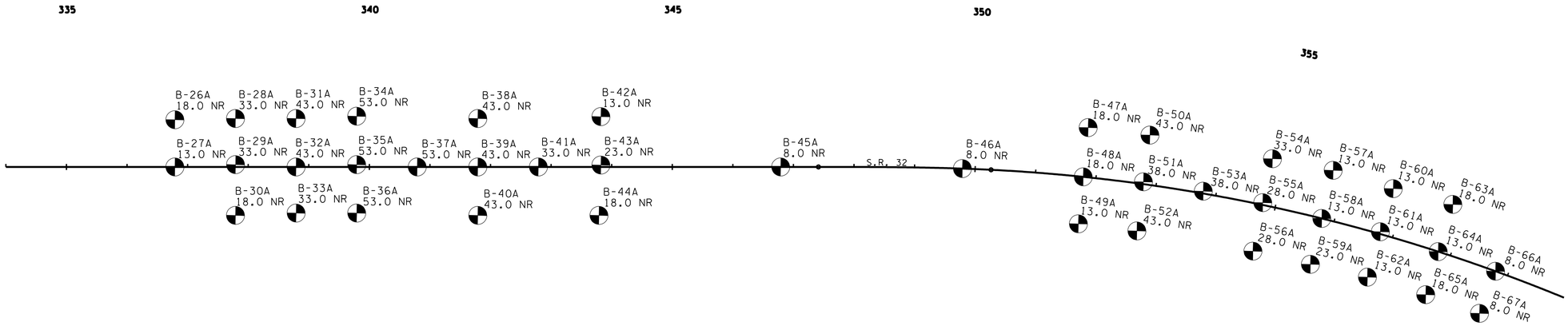
PROPOSED LAYOUT AND PROFILE

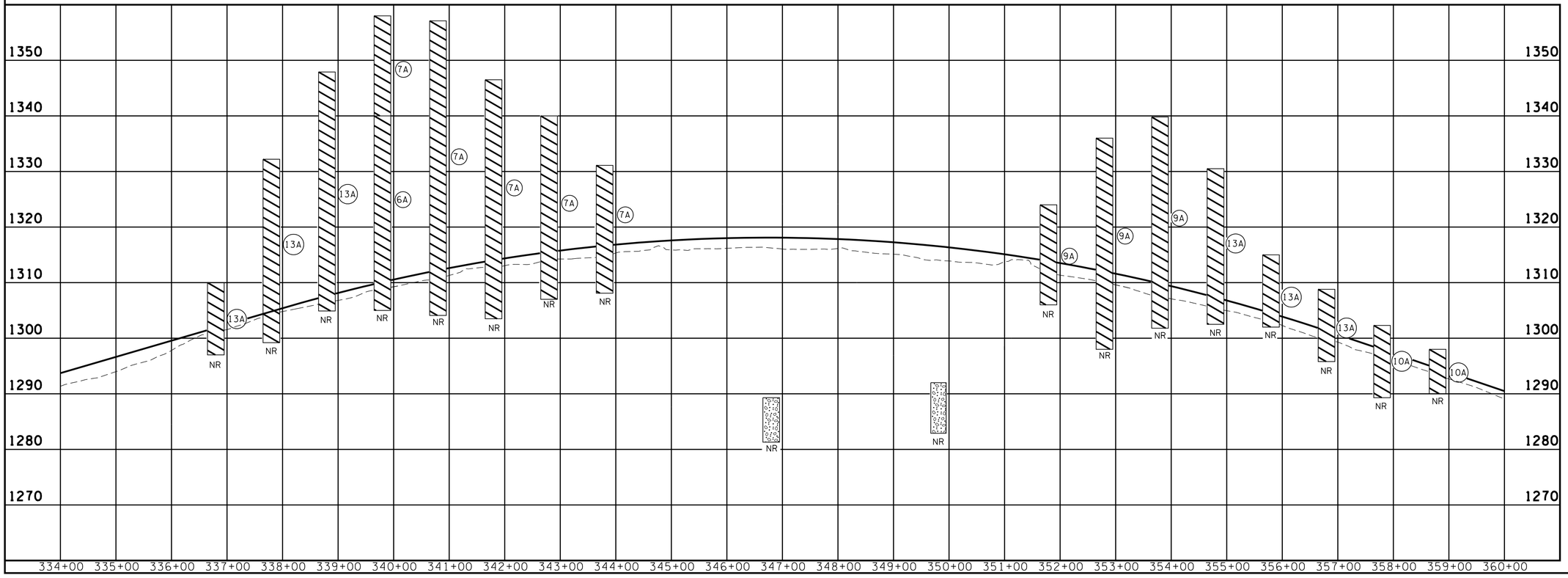
STA. 308+00 TO STA. 334+00

SCALE: 1"=100'

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	57M





UNOFFICIAL SET

NOT FOR BIDDING

DEVIN L. CHITTENDEN
PROFESSIONAL ENGINEER
XVI
AGRICULTURE
COMMERCE
No. 112811
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT AND PROFILE

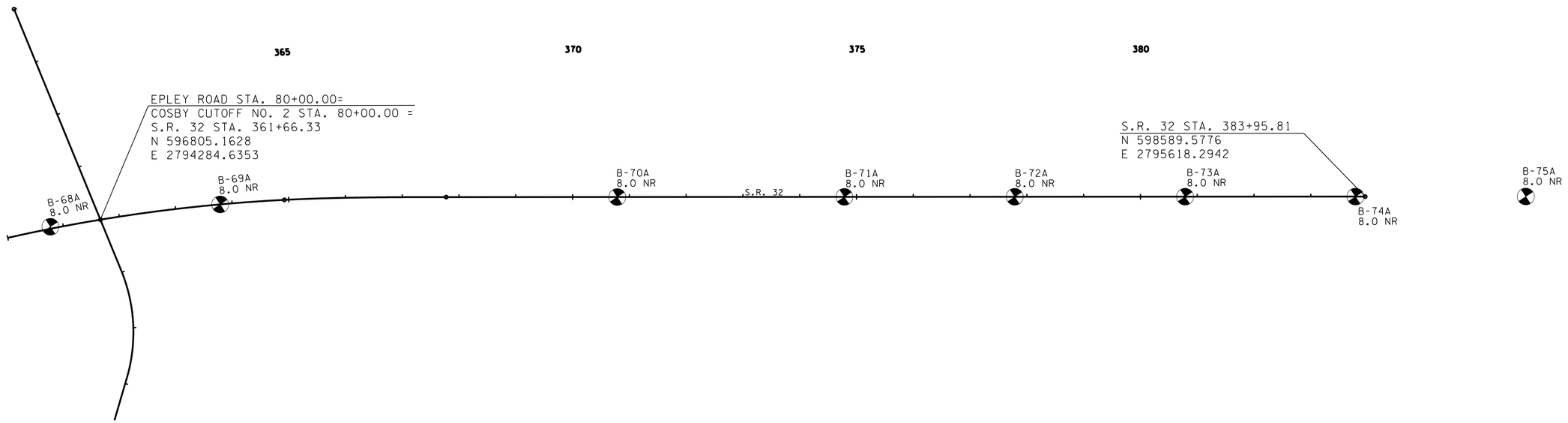
STA. 334+00 TO STA. 360+00

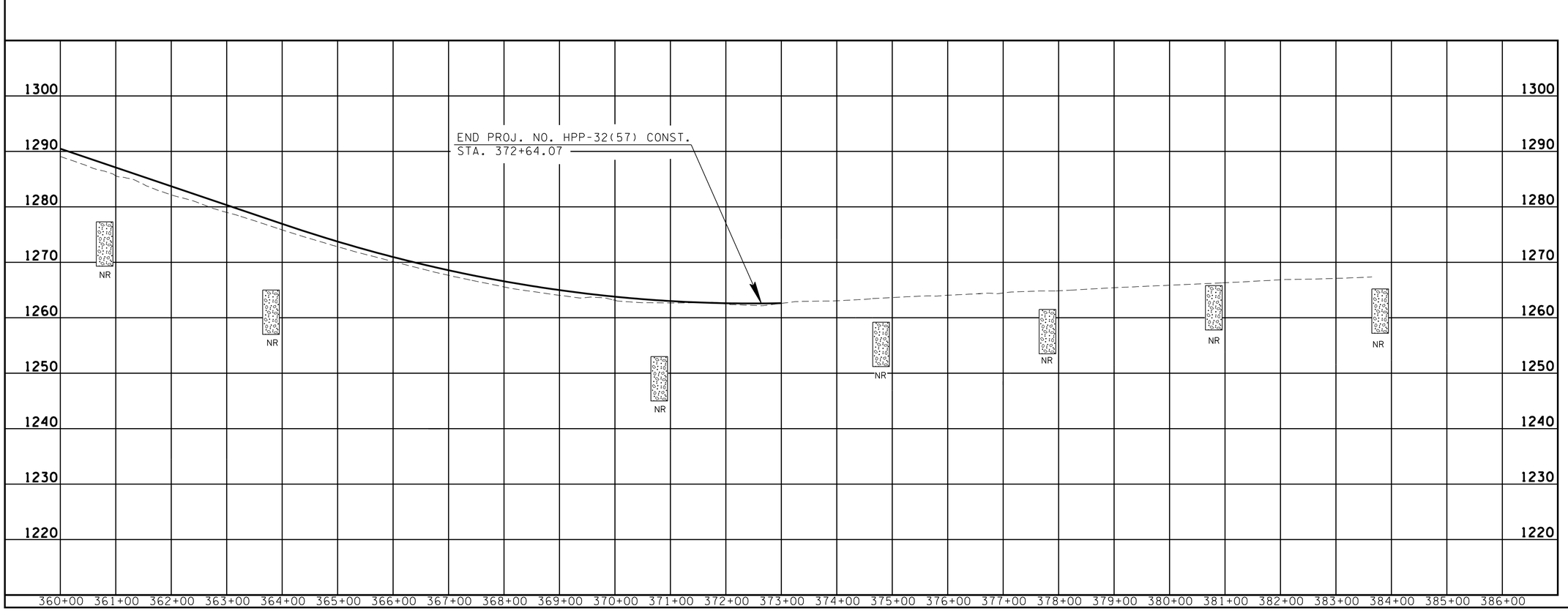
SCALE: 1"=100'

10/20/2014
h:\07019\dgn\geotech\PL & PR 334+00-360+00.dgn

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	57N





UNOFFICIAL SET

NOT FOR BIDDING

DEVIN L. CHITTENDEN
PROFESSIONAL ENGINEER
XVI
AGRICULTURE
COMMERCE
No. 112911
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT AND PROFILE

STA. 360+00 TO STA. 386+00

SCALE: 1"=100'

10/20/2014
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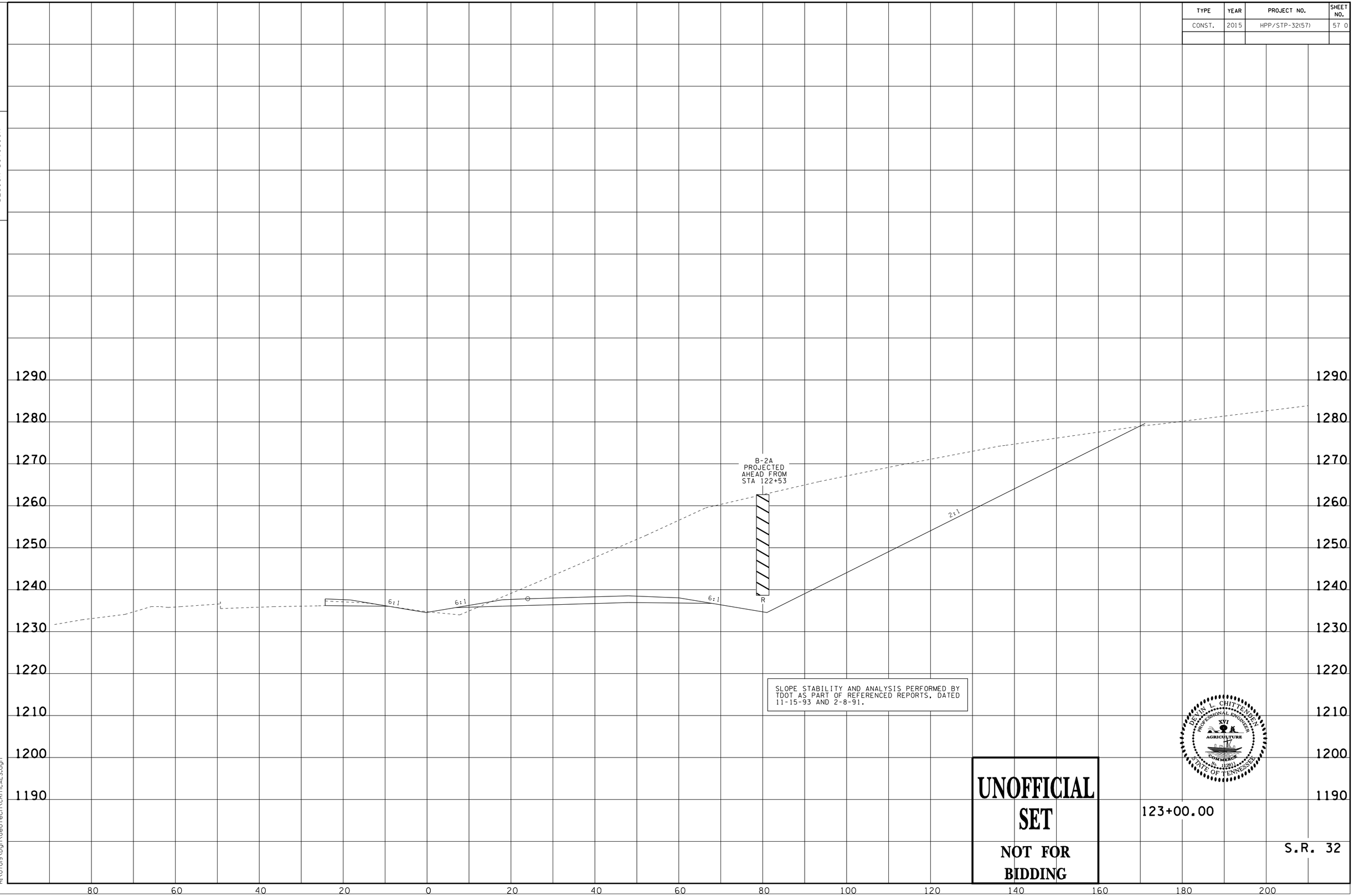
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	57 0

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



SLOPE STABILITY AND ANALYSIS PERFORMED BY TDOT AS PART OF REFERENCED REPORTS, DATED 11-15-93 AND 2-8-91.

DEVIN L. CHITTENDEN
PROFESSIONAL ENGINEER
XVI
AGRICULTURE
COMMERCE
No. 119291
STATE OF TENNESSEE

UNOFFICIAL SET

NOT FOR BIDDING

123+00.00

S.R. 32

10/15/2014
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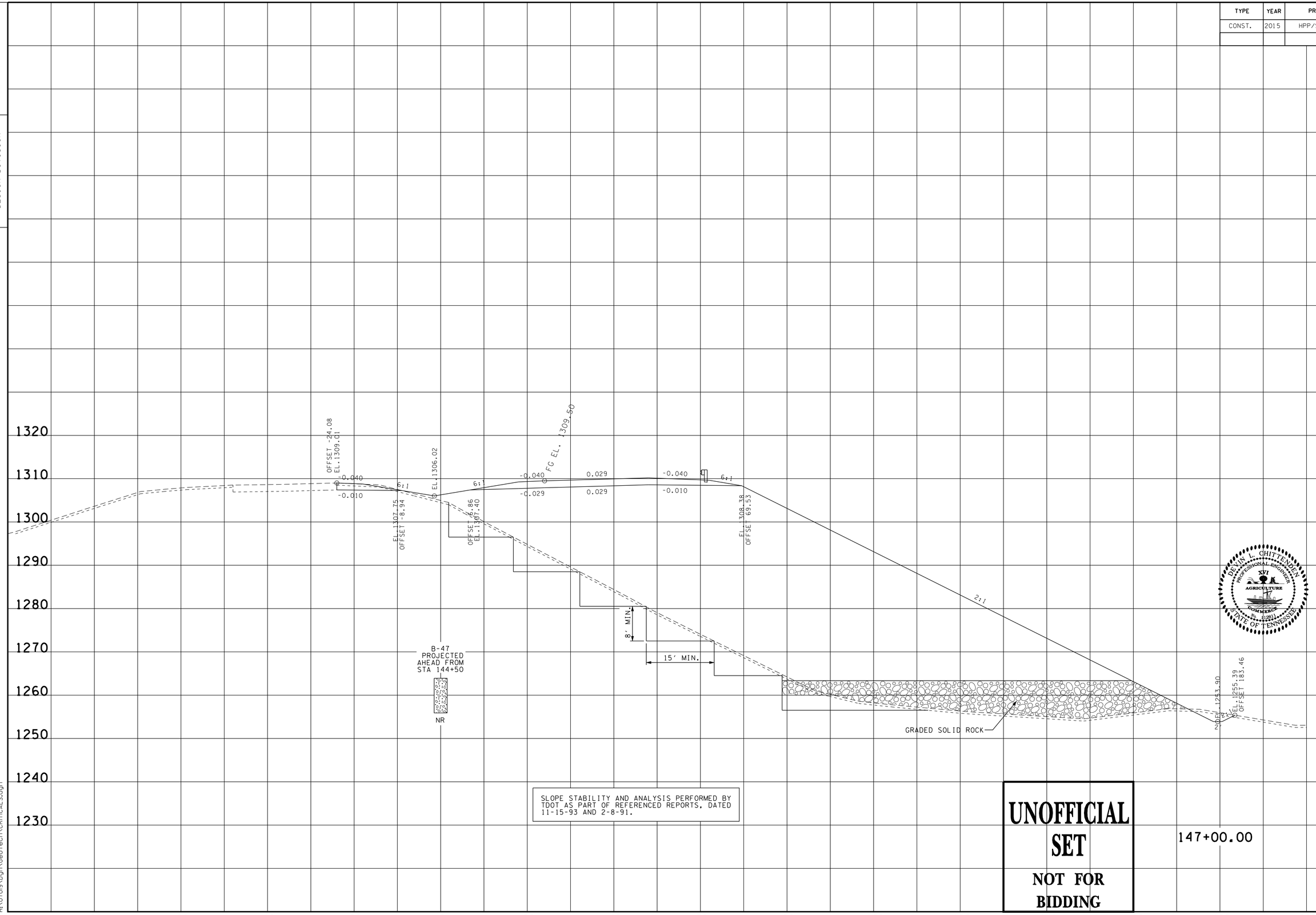
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	57P



SLOPE STABILITY AND ANALYSIS PERFORMED BY TDOT AS PART OF REFERENCED REPORTS, DATED 11-15-93 AND 2-8-91.

DEVIN L. CHITTENDEN
PROFESSIONAL ENGINEER
XVI
AGRICULTURE
COMMERCE
1796
STATE OF TENNESSEE

UNOFFICIAL SET

NOT FOR BIDDING

147+00.00

S.R. 32

10/15/2014
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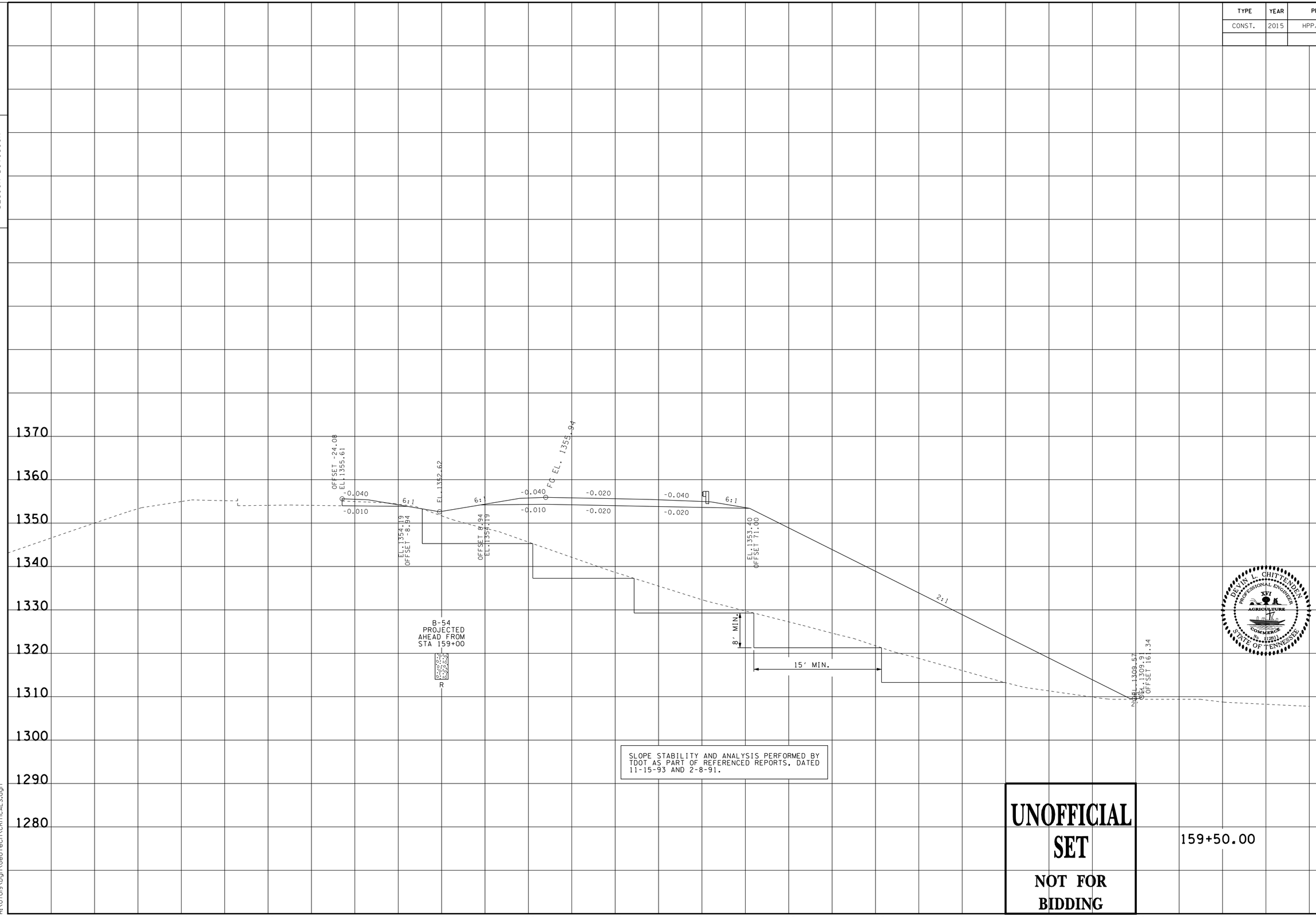
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	570



SLOPE STABILITY AND ANALYSIS PERFORMED BY TDOT AS PART OF REFERENCED REPORTS, DATED 11-15-93 AND 2-8-91.

DEVIN L. CHITTENDEN
PROFESSIONAL ENGINEER
XVI
AGRICULTURE
COMMERCE
No. 112811
STATE OF TENNESSEE

UNOFFICIAL SET

NOT FOR BIDDING

159+50.00

S.R. 32

10/15/2014
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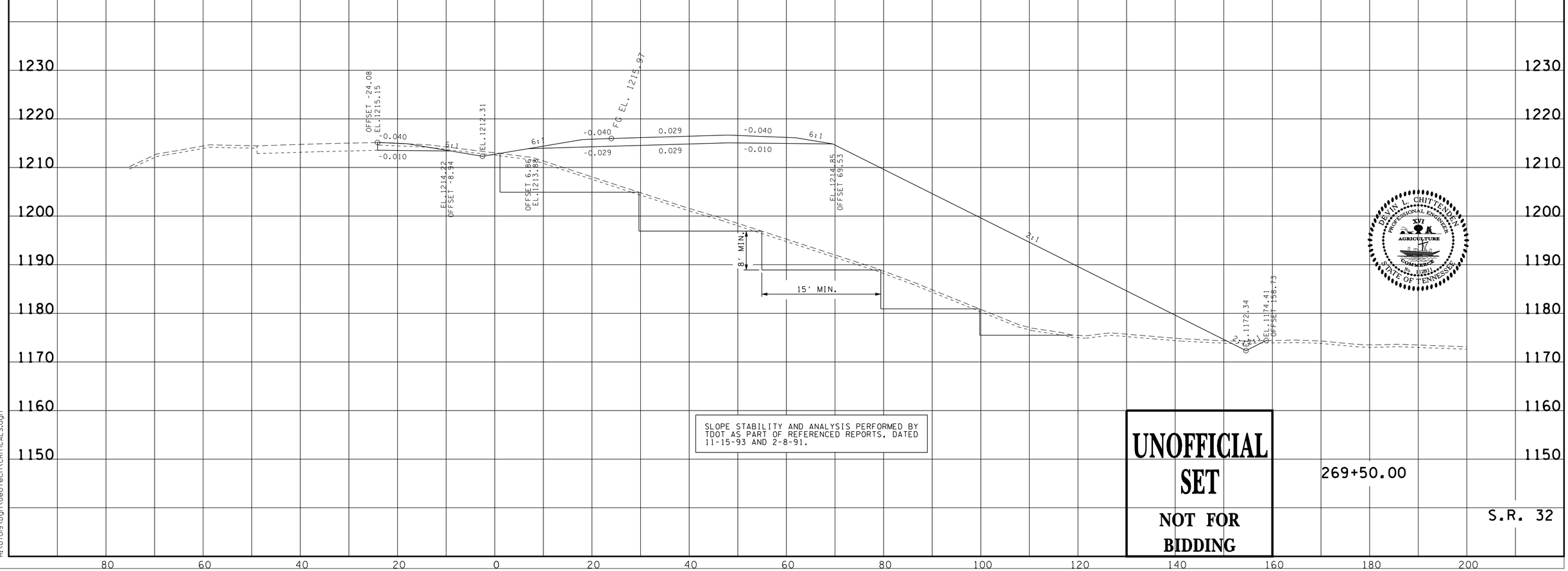
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	57R



DEVIN L. CHITTENDEN
PROFESSIONAL ENGINEER
XVI
AGRICULTURE
COMMERCE
1796
STATE OF TENNESSEE

SLOPE STABILITY AND ANALYSIS PERFORMED BY TDOT AS PART OF REFERENCED REPORTS, DATED 11-15-93 AND 2-8-91.

UNOFFICIAL SET

NOT FOR BIDDING

269+50.00

S.R. 32

10/15/2014
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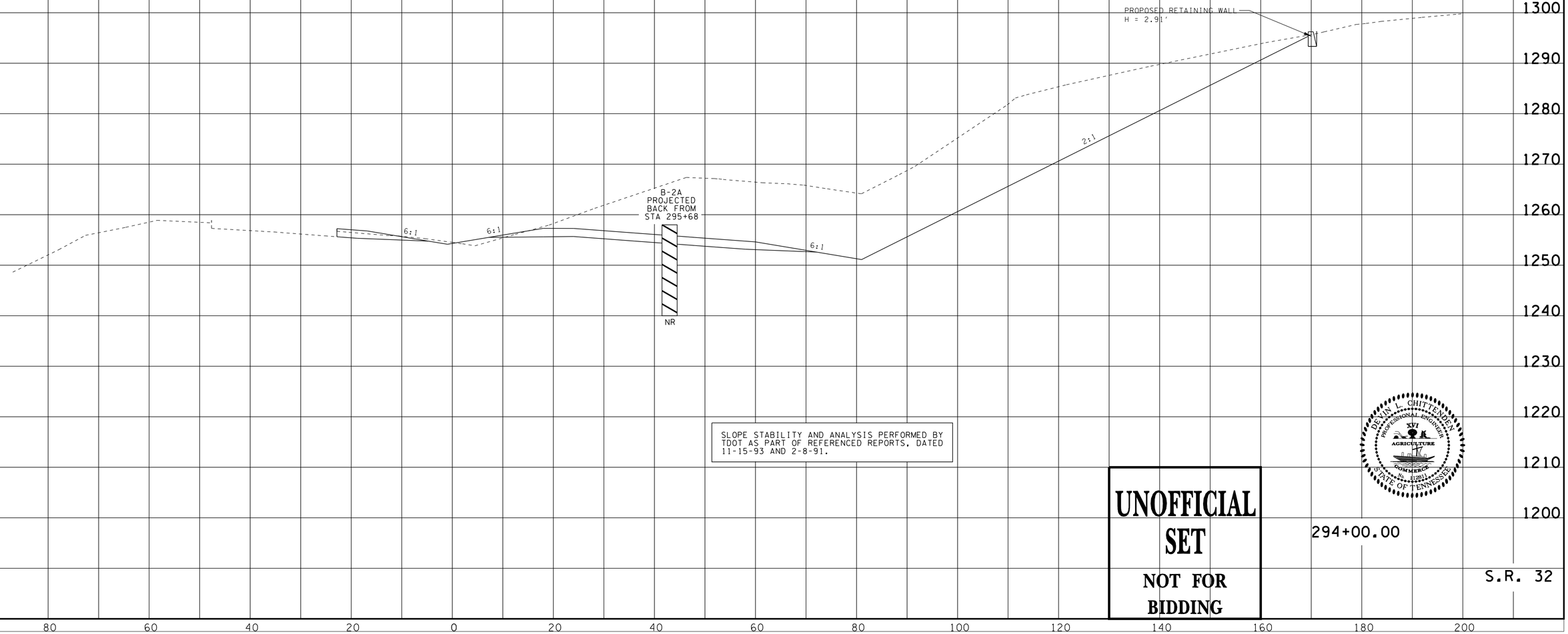
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	57S

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



SLOPE STABILITY AND ANALYSIS PERFORMED BY TDOT AS PART OF REFERENCED REPORTS, DATED 11-15-93 AND 2-8-91.

DEVIN L. CHITTENDEN
PROFESSIONAL ENGINEER
XVI
AGRICULTURE
COMMERCE
No. 112511
STATE OF TENNESSEE

UNOFFICIAL SET
NOT FOR BIDDING

294+00.00

S.R. 32

10/15/2014
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TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	53
CONST.	2015	HPP/STP-32(57)	58

1170
1160
1150
1150
1150
1150
1150
1150
1150

108+00.00
CUT 0
TOPSOIL 0
FILL 308
107+50.00
107+00.00
106+50.00
106+00.00
105+50.00
105+00.00

SR 32
BEGIN STA. 105+00.00
END STA. 108+00.00

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

10/20/2014
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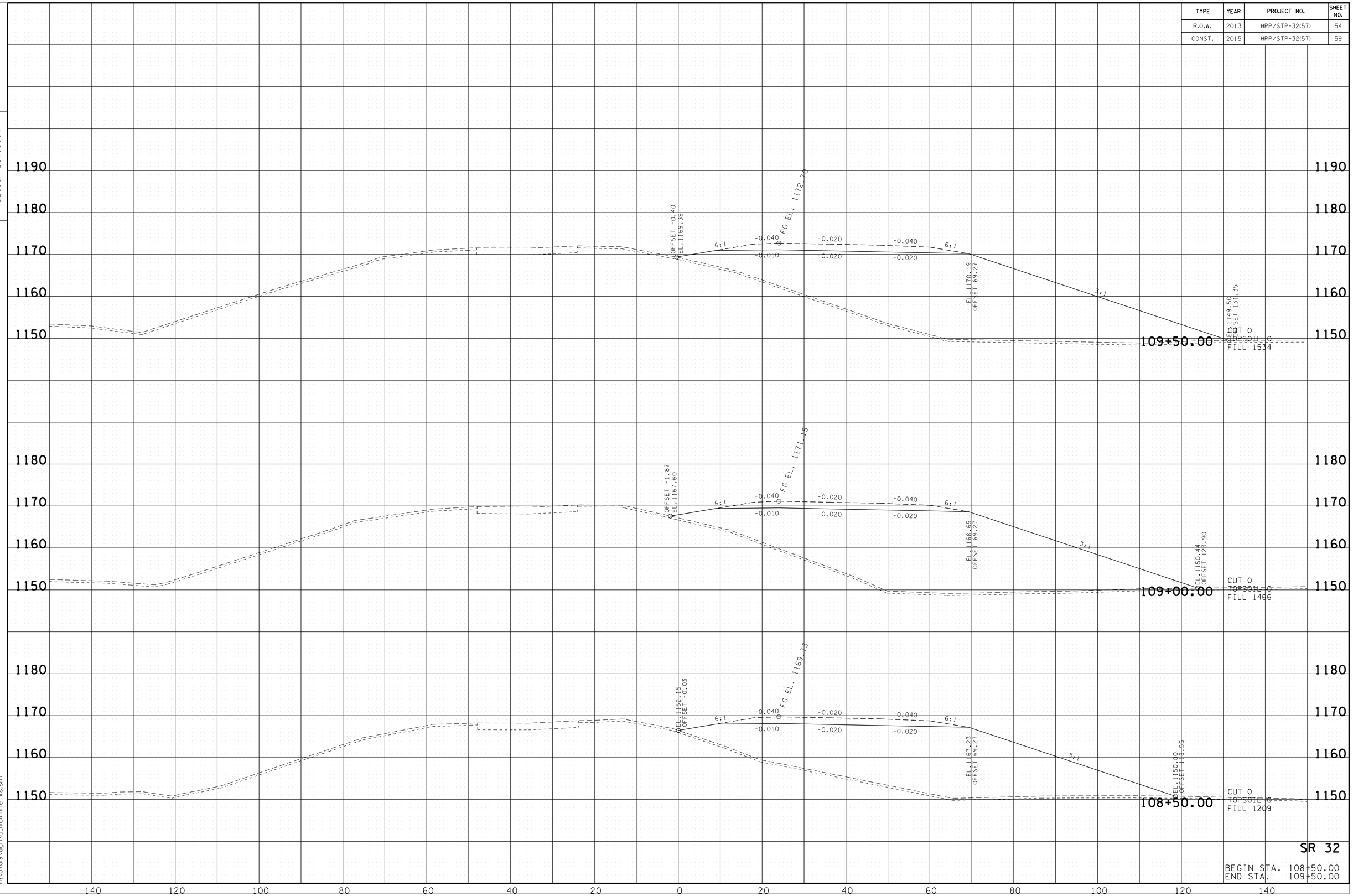
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	54
CONST.	2015	HPP/STP-32(57)	59



SR 32

BEGIN STA. 108+50.00
END STA. 109+50.00

10/20/2014
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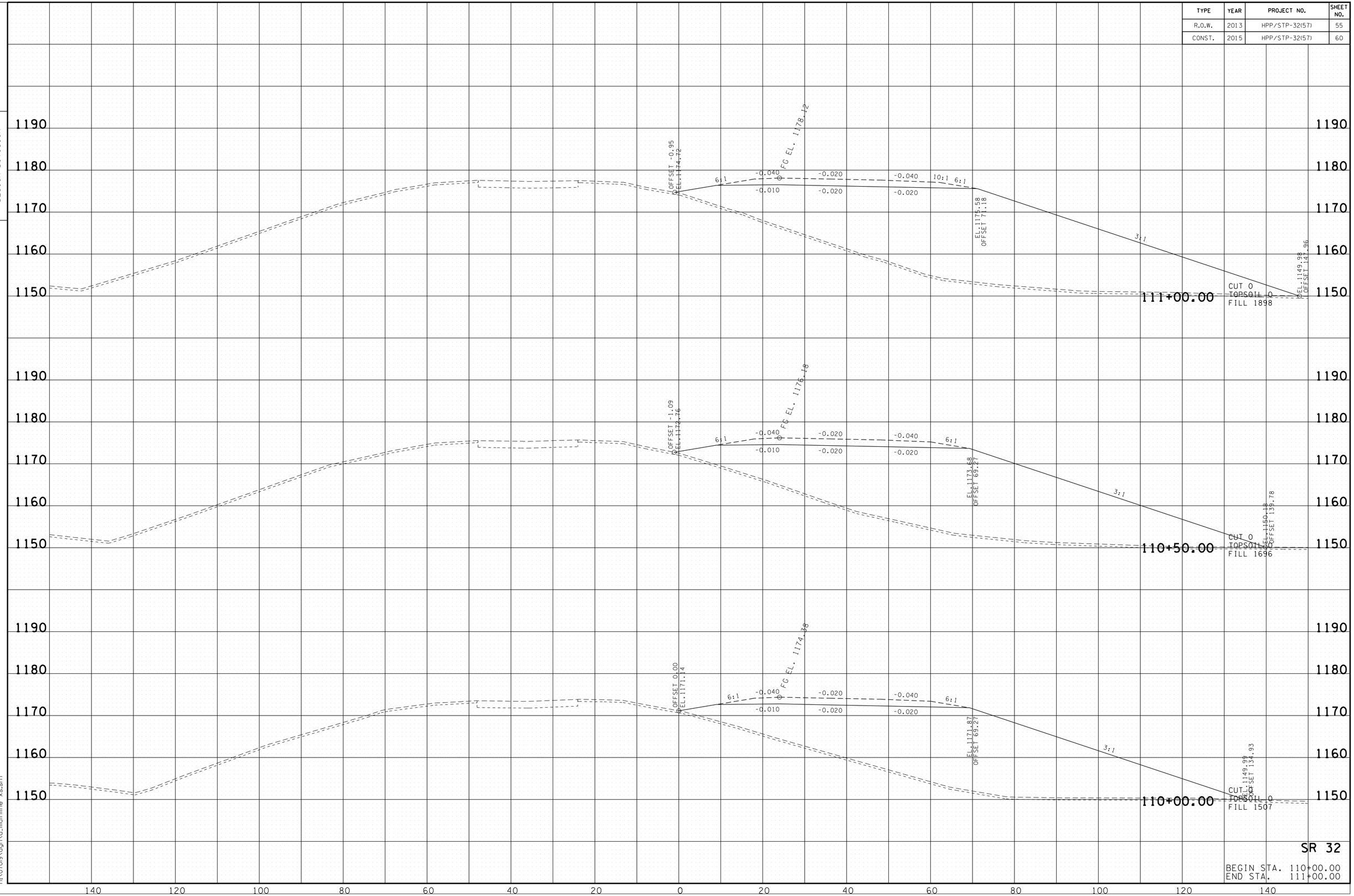
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	55
CONST.	2015	HPP/STP-32(57)	60



SR 32

BEGIN STA. 110+00.00
END STA. 111+00.00

10/20/2014
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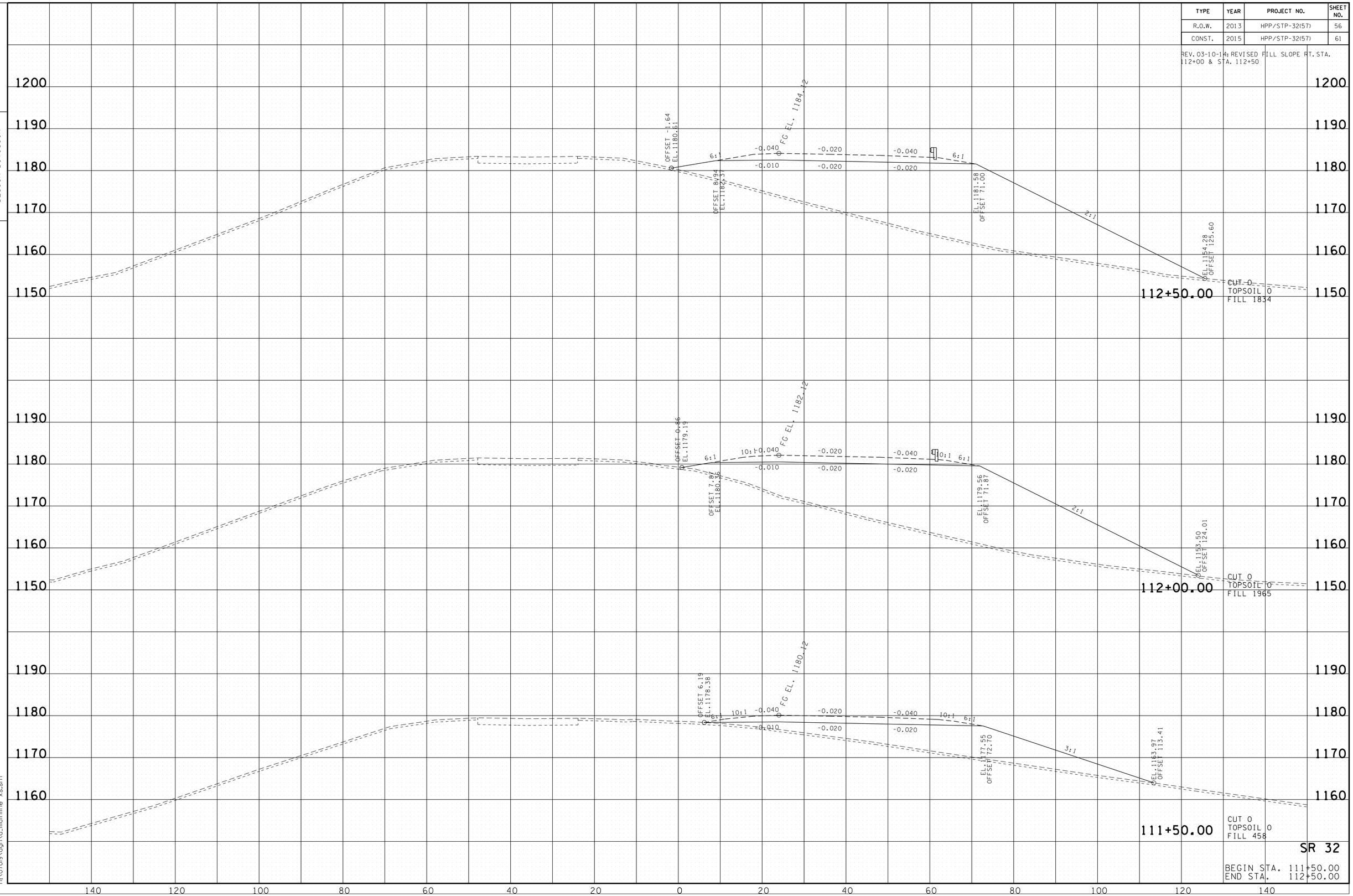
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	56
CONST.	2015	HPP/STP-32(57)	61

REV. 03-10-14: REVISED FILL SLOPE RT. STA. 112+00 & STA. 112+50



SR 32

BEGIN STA. 111+50.00
END STA. 112+50.00

10/20/2014
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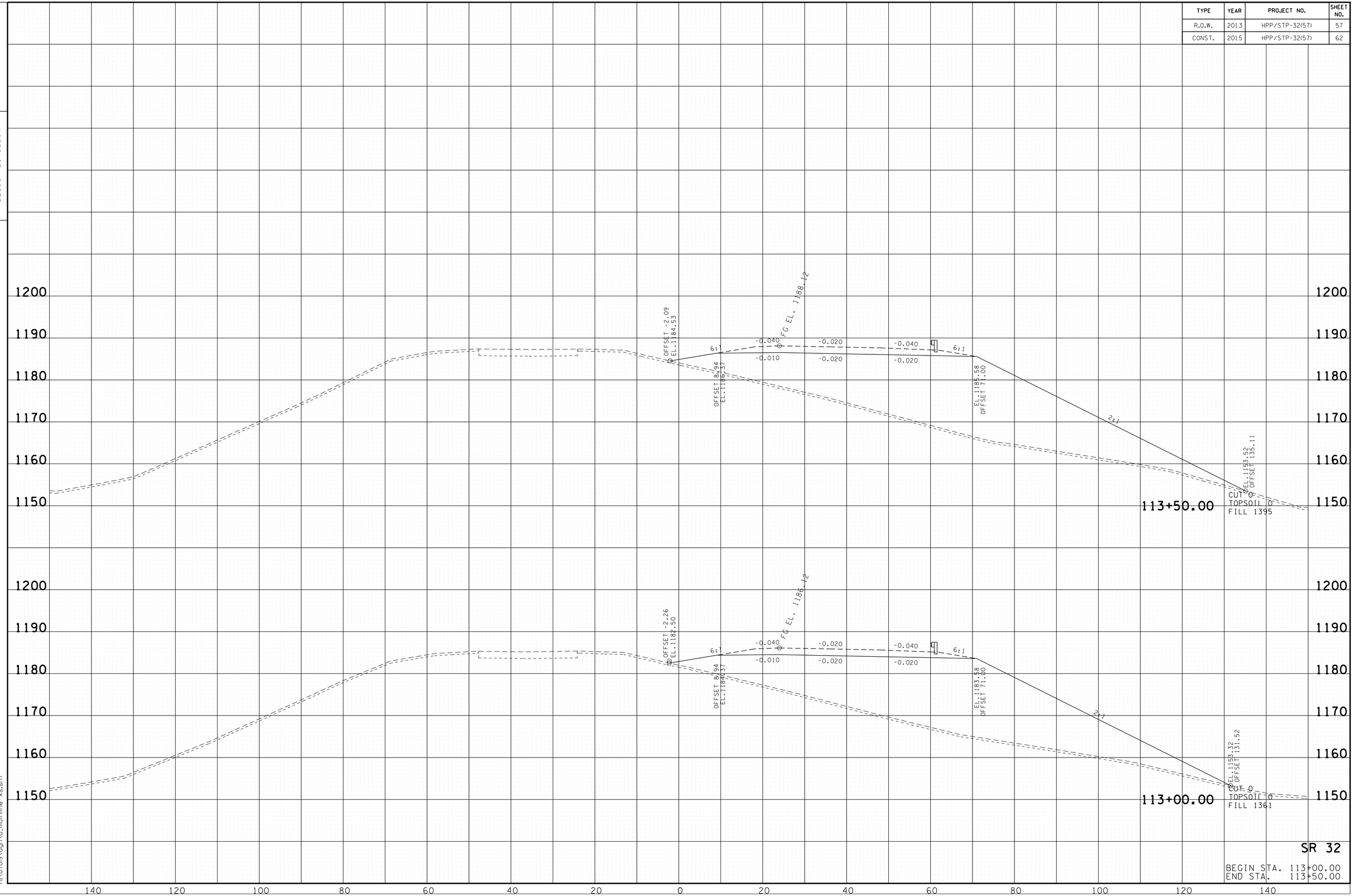
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	57
CONST.	2015	HPP/STP-32(57)	62

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 113+00.00
END STA. 113+50.00

10/20/2014
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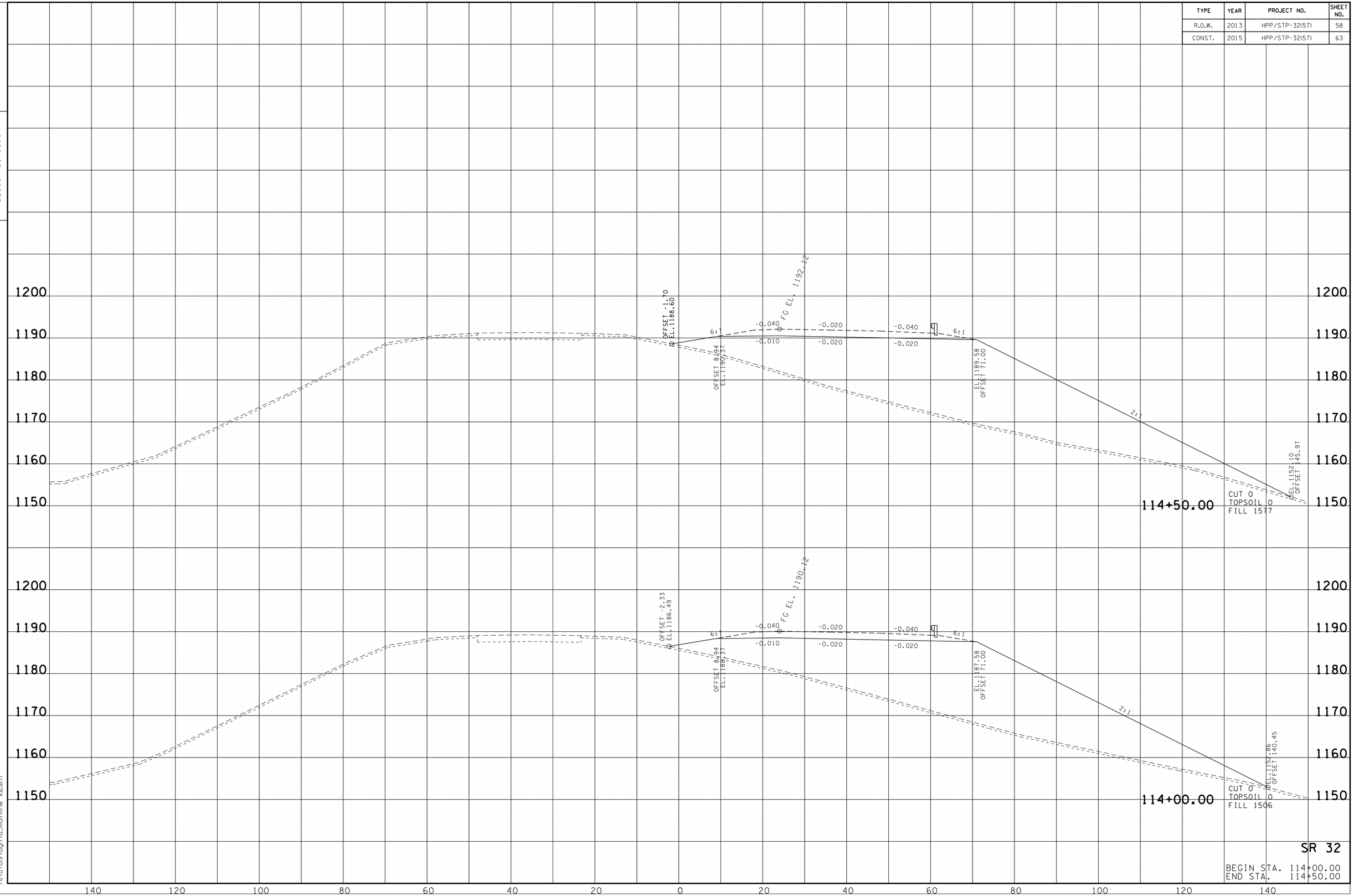
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	58
CONST.	2015	HPP/STP-32(57)	63



SR 32

BEGIN STA. 114+00.00
END STA. 114+50.00

10/20/2014
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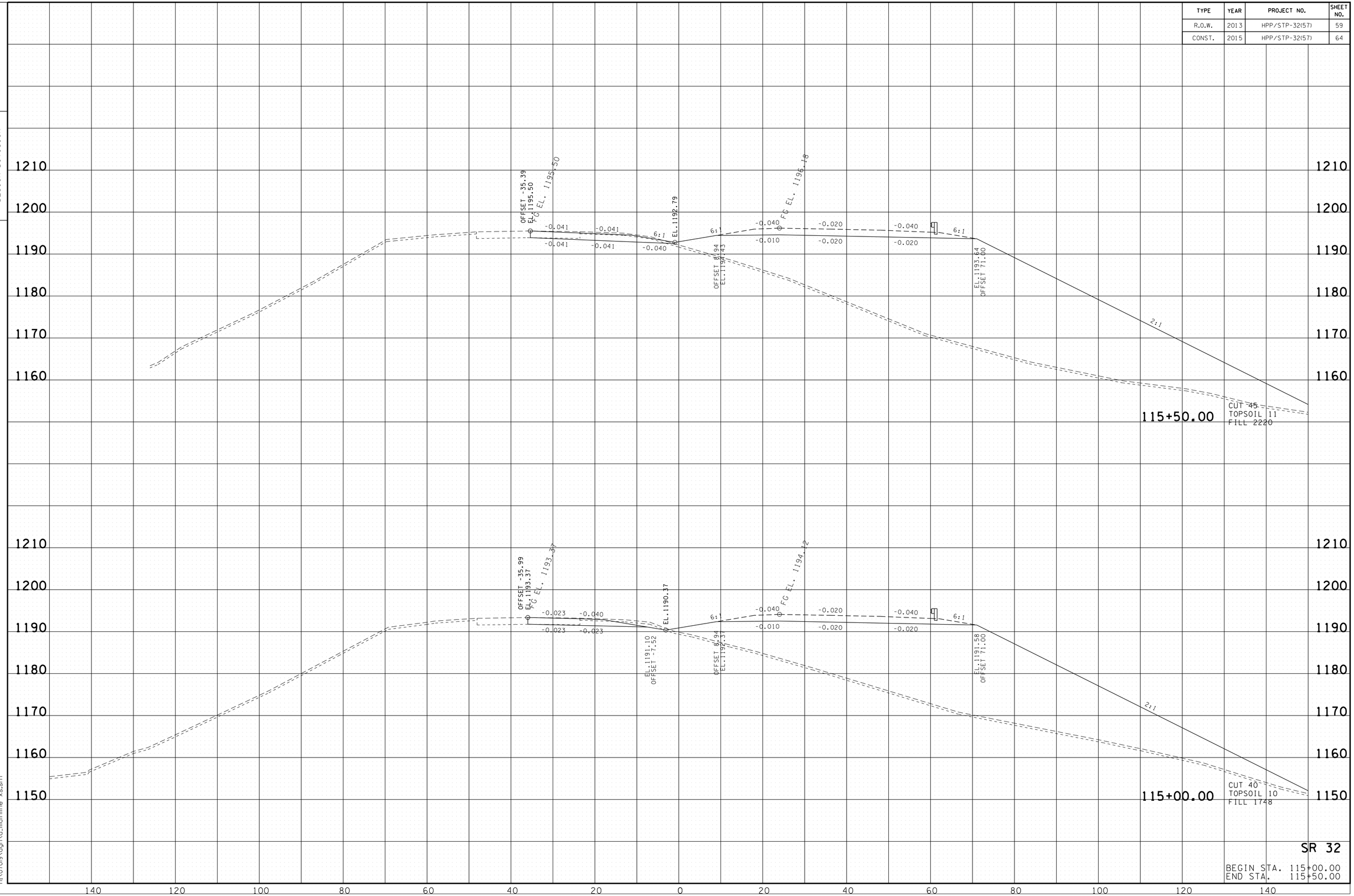
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	59
CONST.	2015	HPP/STP-32(57)	64



SR 32

BEGIN STA. 115+00.00
END STA. 115+50.00

10/20/2014
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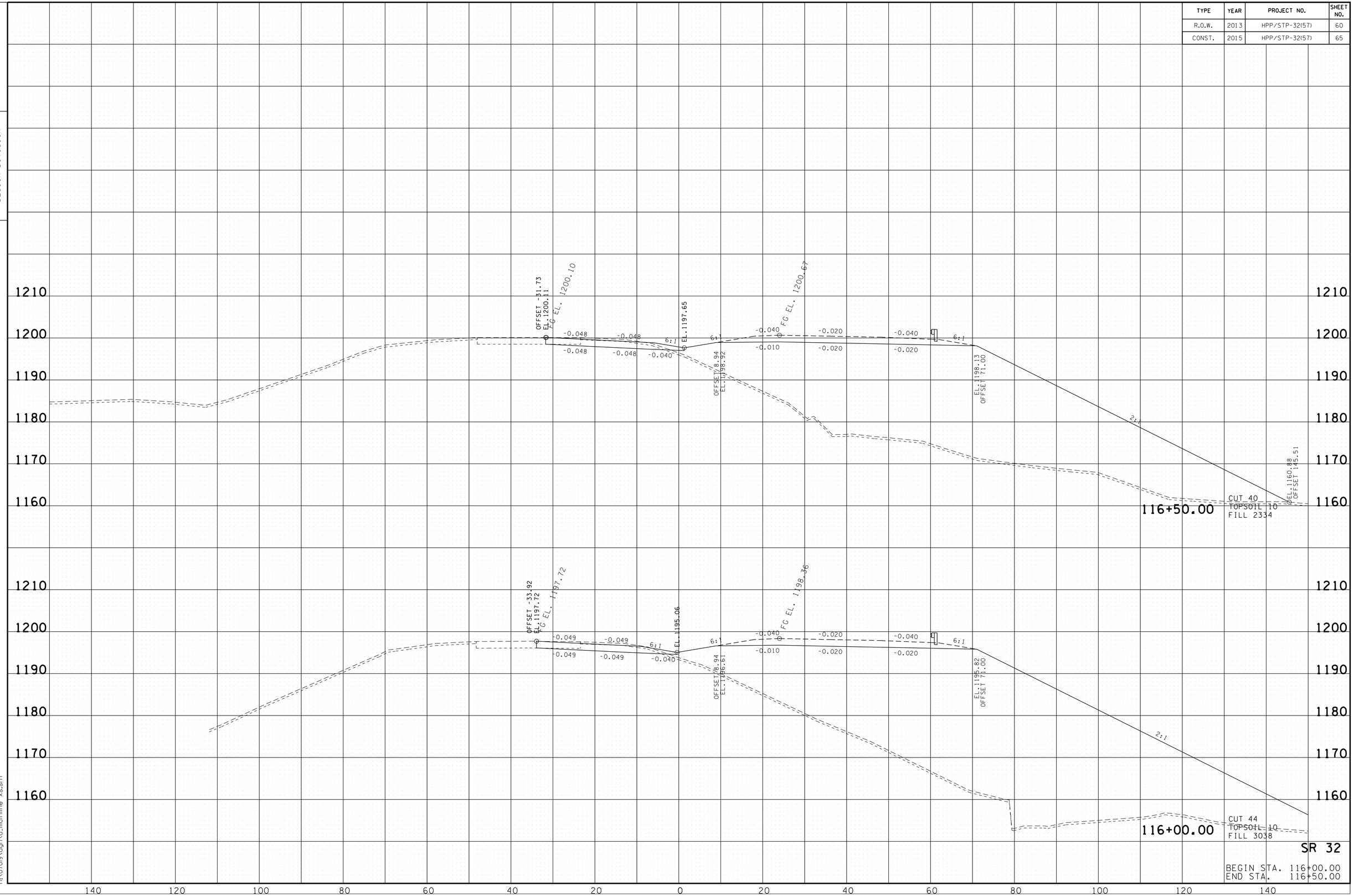
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	60
CONST.	2015	HPP/STP-32(57)	65

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 116+00.00
END STA. 116+50.00

10/20/2014
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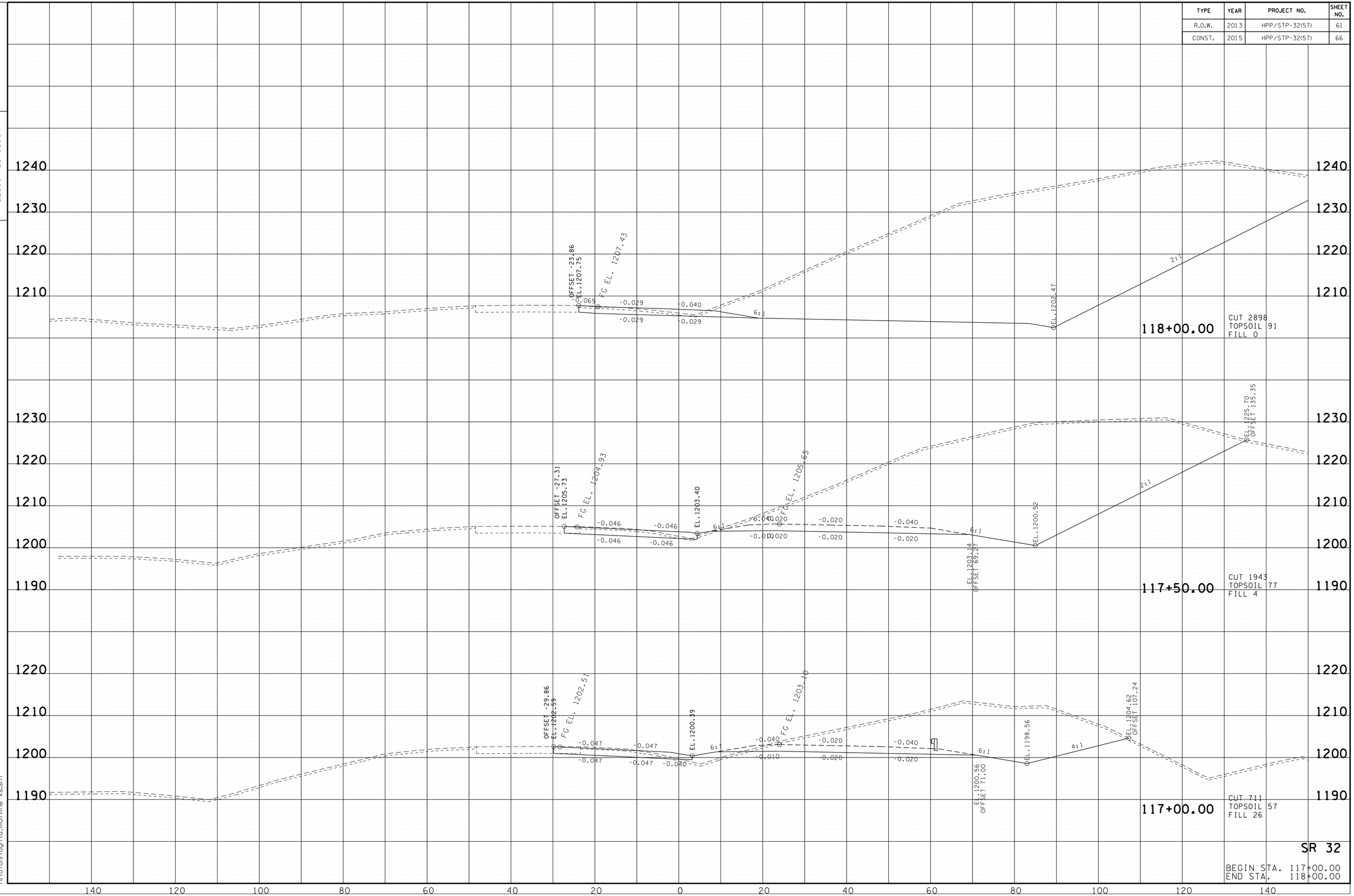
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	61
CONST.	2015	HPP/STP-32(57)	66



SR 32

BEGIN STA. 117+00.00
END STA. 118+00.00

10/20/2014
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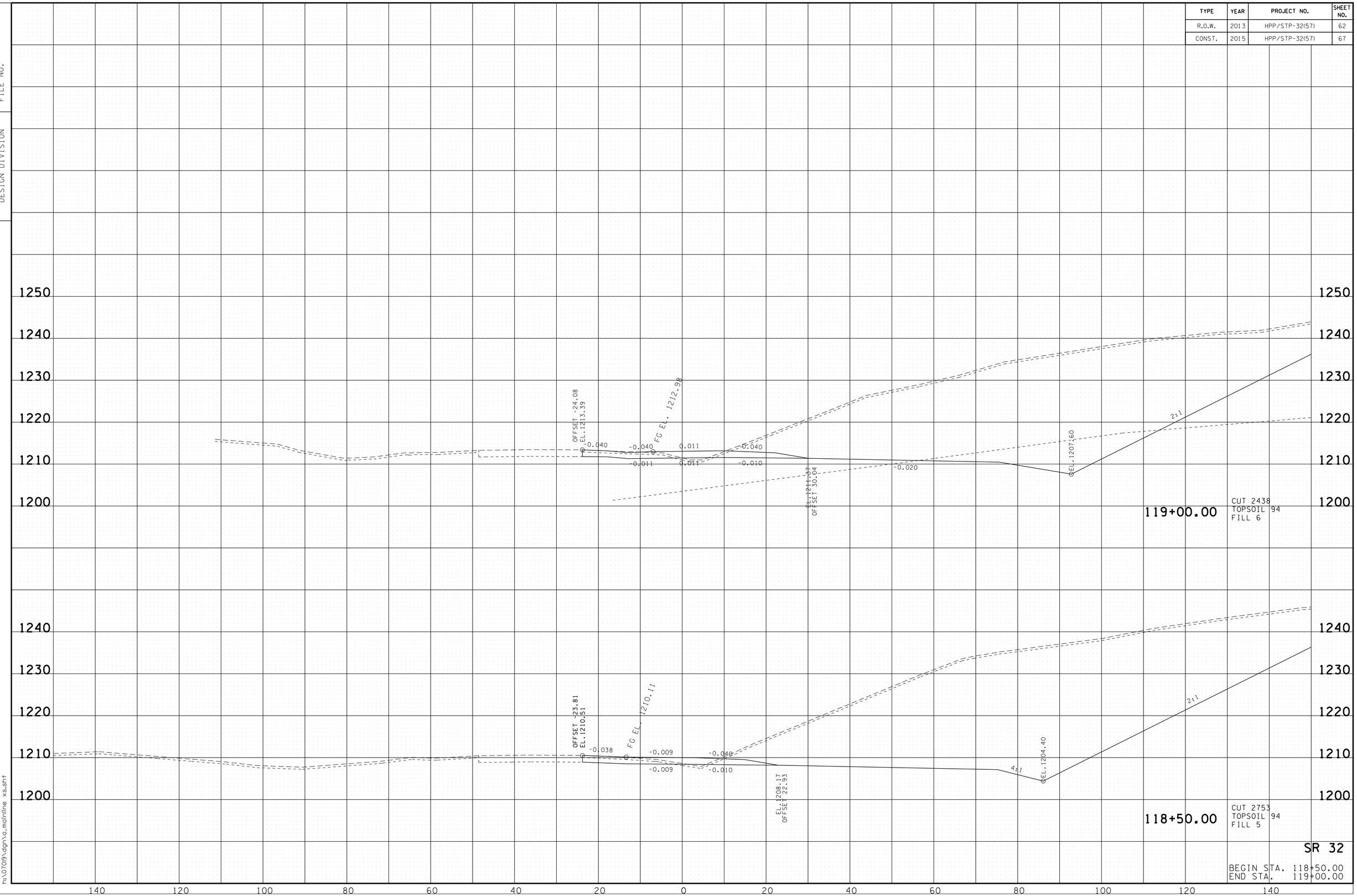
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	62
CONST.	2015	HPP/STP-32(57)	67



SR 32

BEGIN STA. 118+50.00
END STA. 119+00.00

10/20/2014
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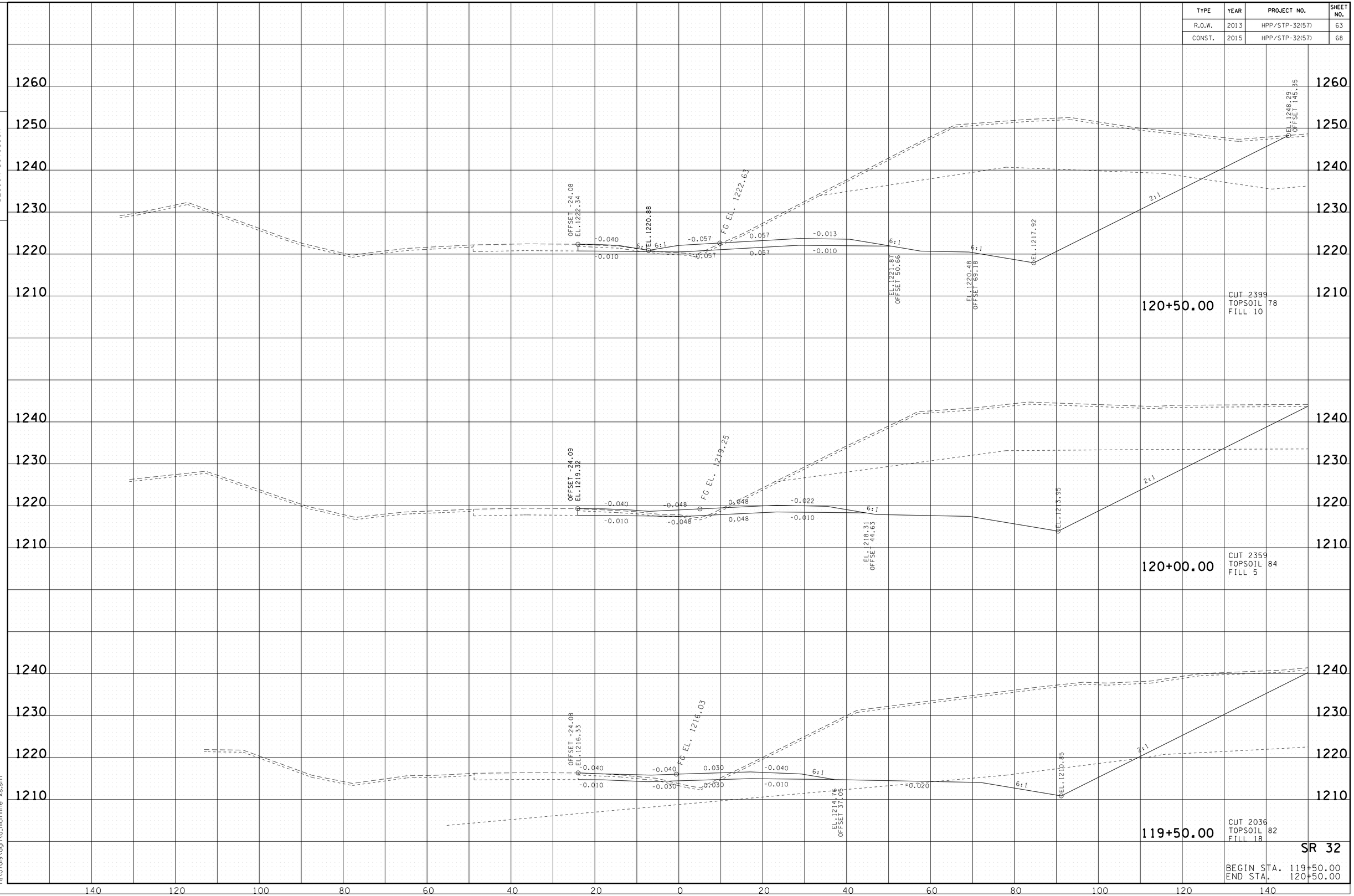
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	63
CONST.	2015	HPP/STP-32(57)	68



SR 32

BEGIN STA. 119+50.00
END STA. 120+50.00

10/20/2014
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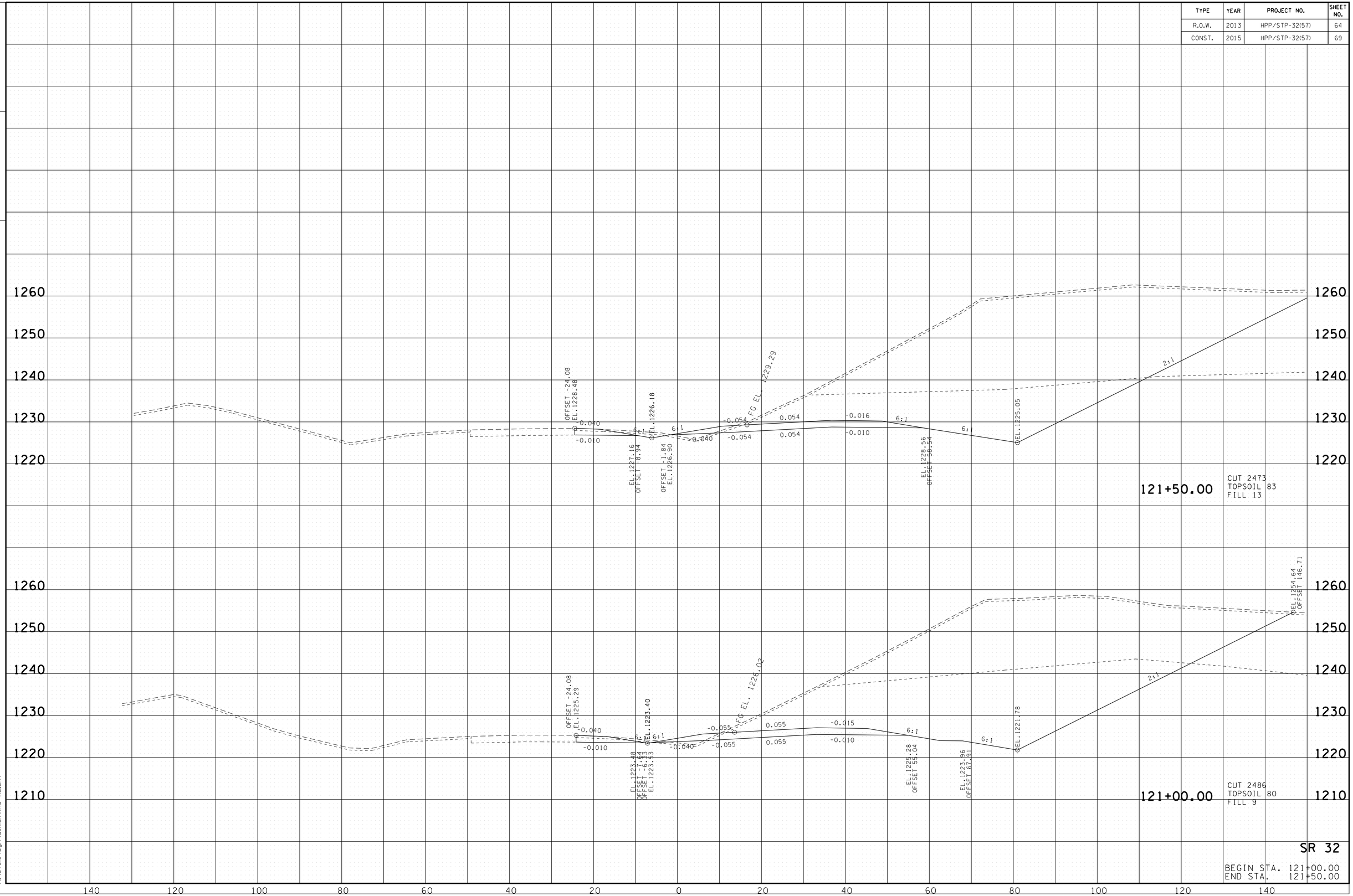
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	64
CONST.	2015	HPP/STP-32(57)	69

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

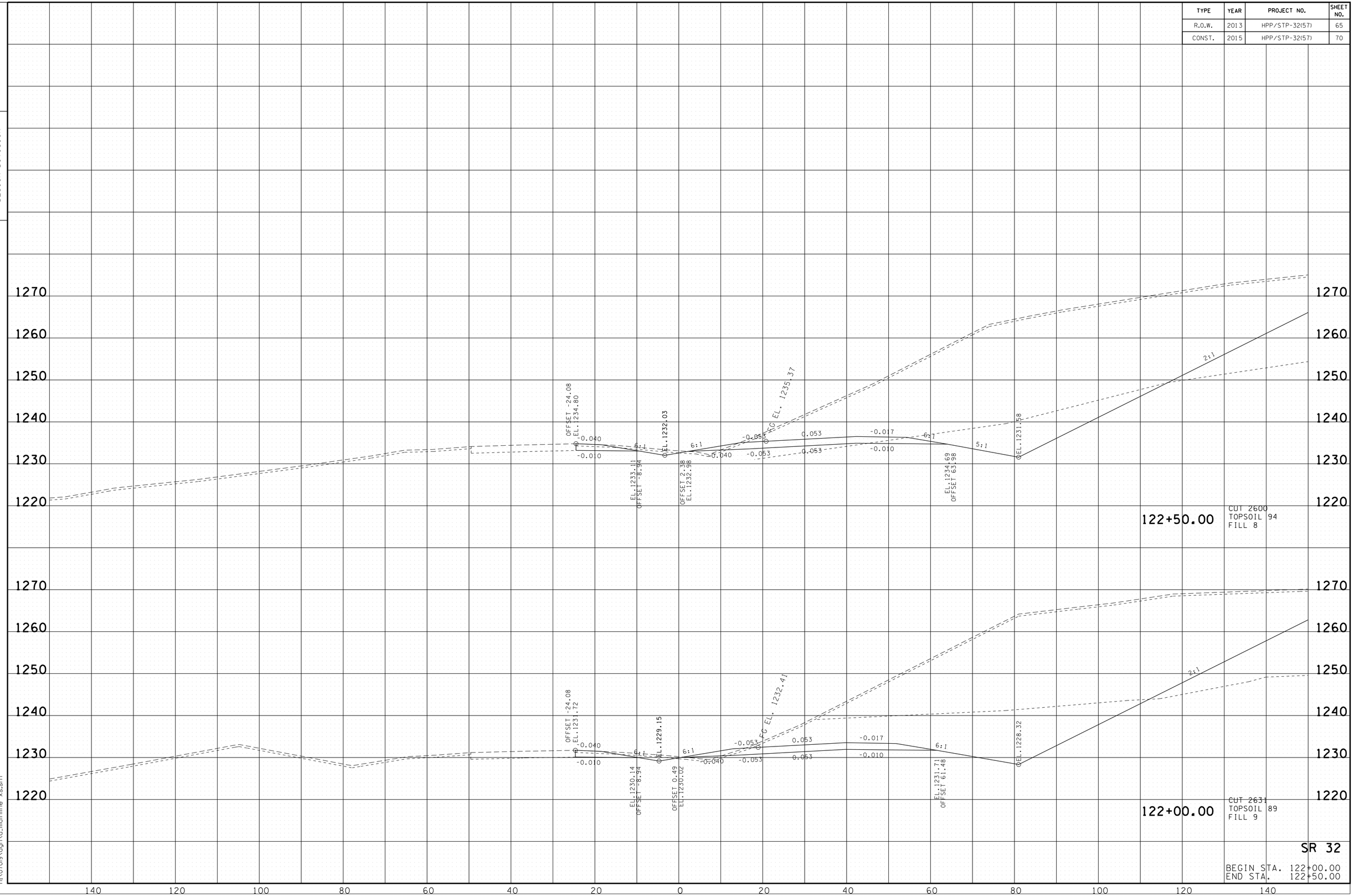
BEGIN STA. 121+00.00
END STA. 121+50.00

10/20/2014
h:\07019\dgn\xs_mainline xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	65
CONST.	2015	HPP/STP-32(57)	70



122+50.00
CUT 2600
TOPSOIL 94
FILL 8

122+00.00
CUT 2631
TOPSOIL 89
FILL 9

SR 32

BEGIN STA. 122+00.00
END STA. 122+50.00

10/20/2014
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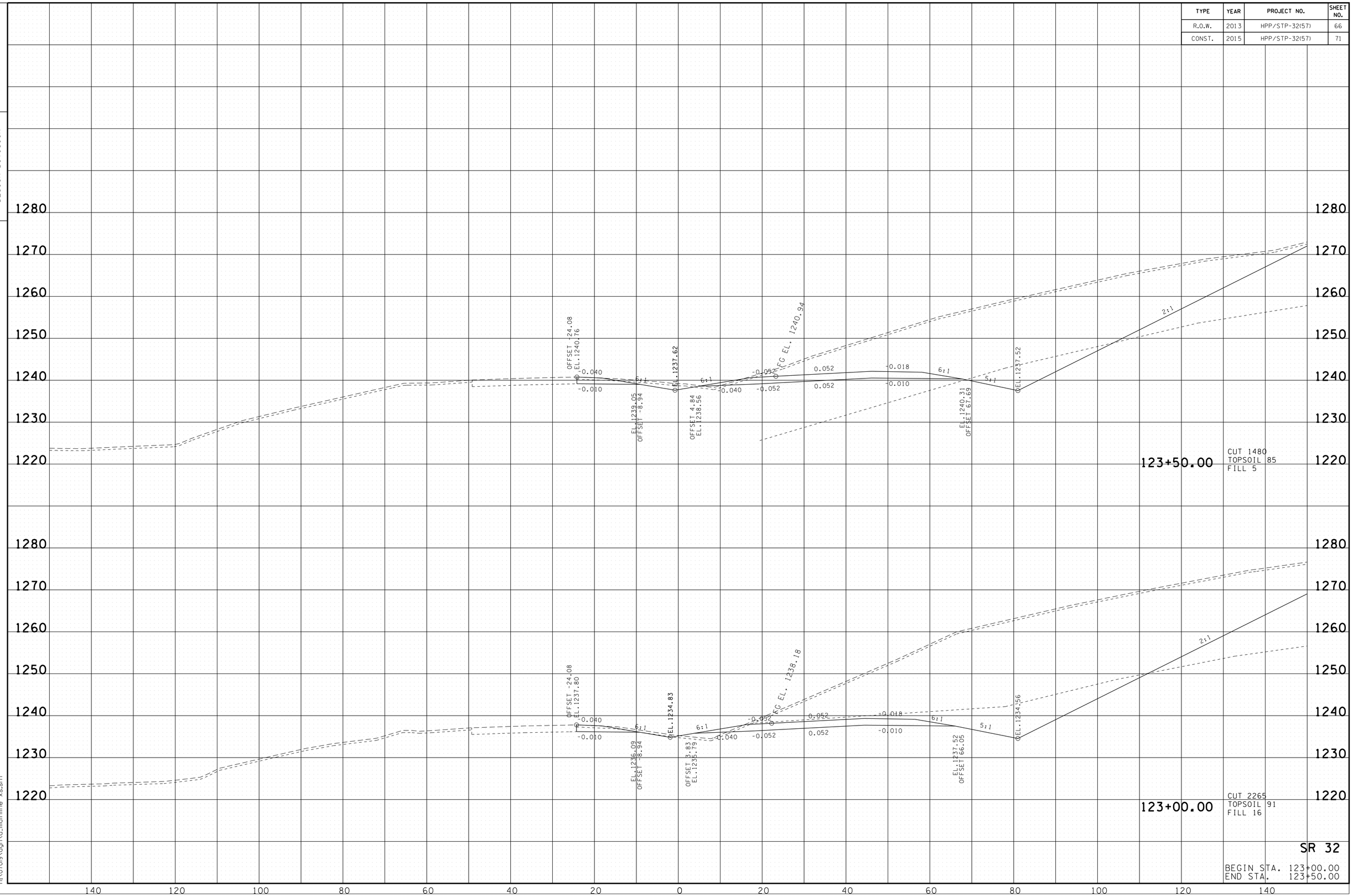
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	66
CONST.	2015	HPP/STP-32(57)	71



SR 32

BEGIN STA. 123+00.00
END STA. 123+50.00

10/20/2014
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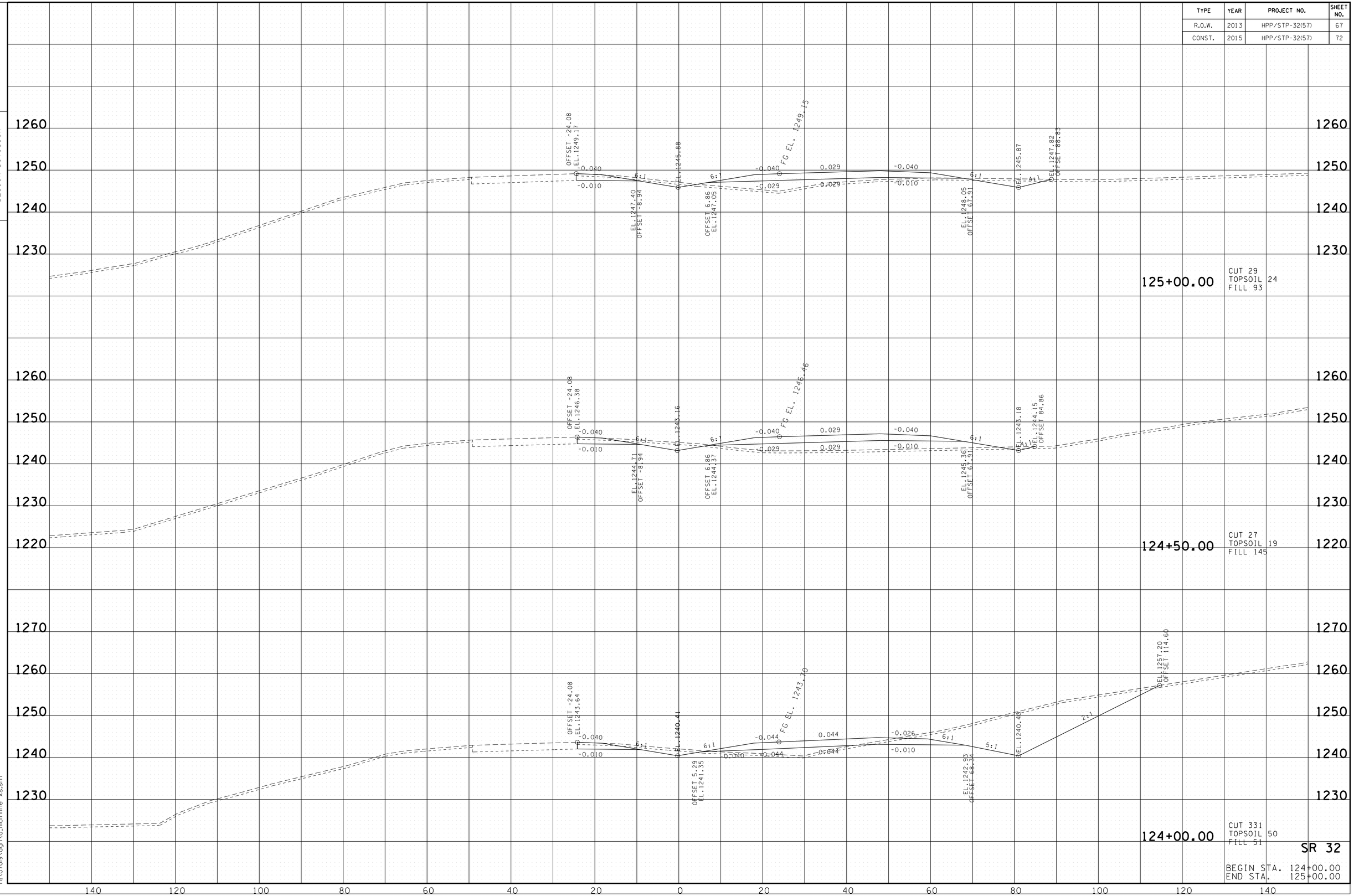
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	67
CONST.	2015	HPP/STP-32(57)	72



SR 32

BEGIN STA. 124+00.00
END STA. 125+00.00

10/20/2014
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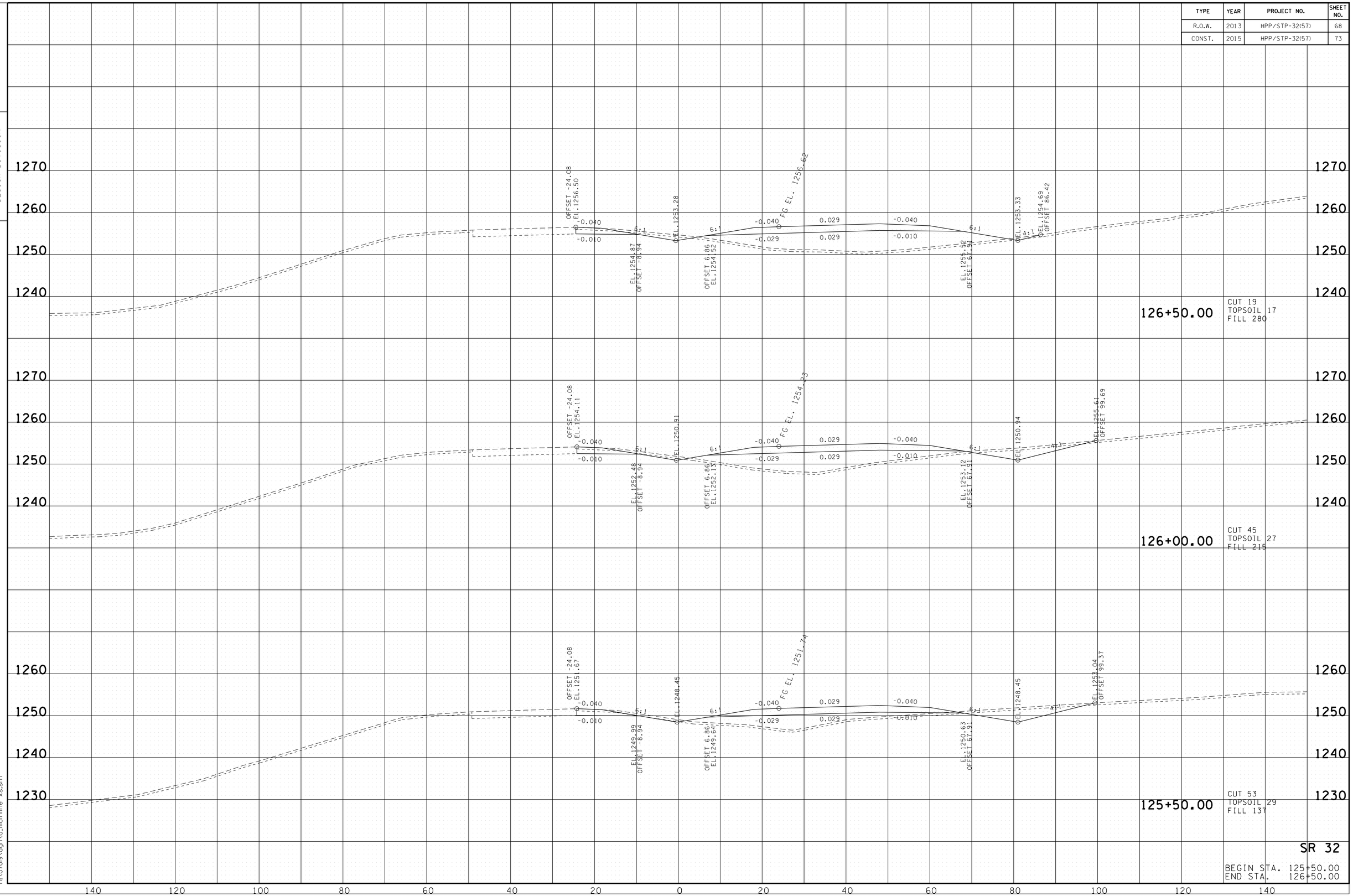
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	68
CONST.	2015	HPP/STP-32(57)	73



SR 32

BEGIN STA. 125+50.00
END STA. 126+50.00

10/20/2014
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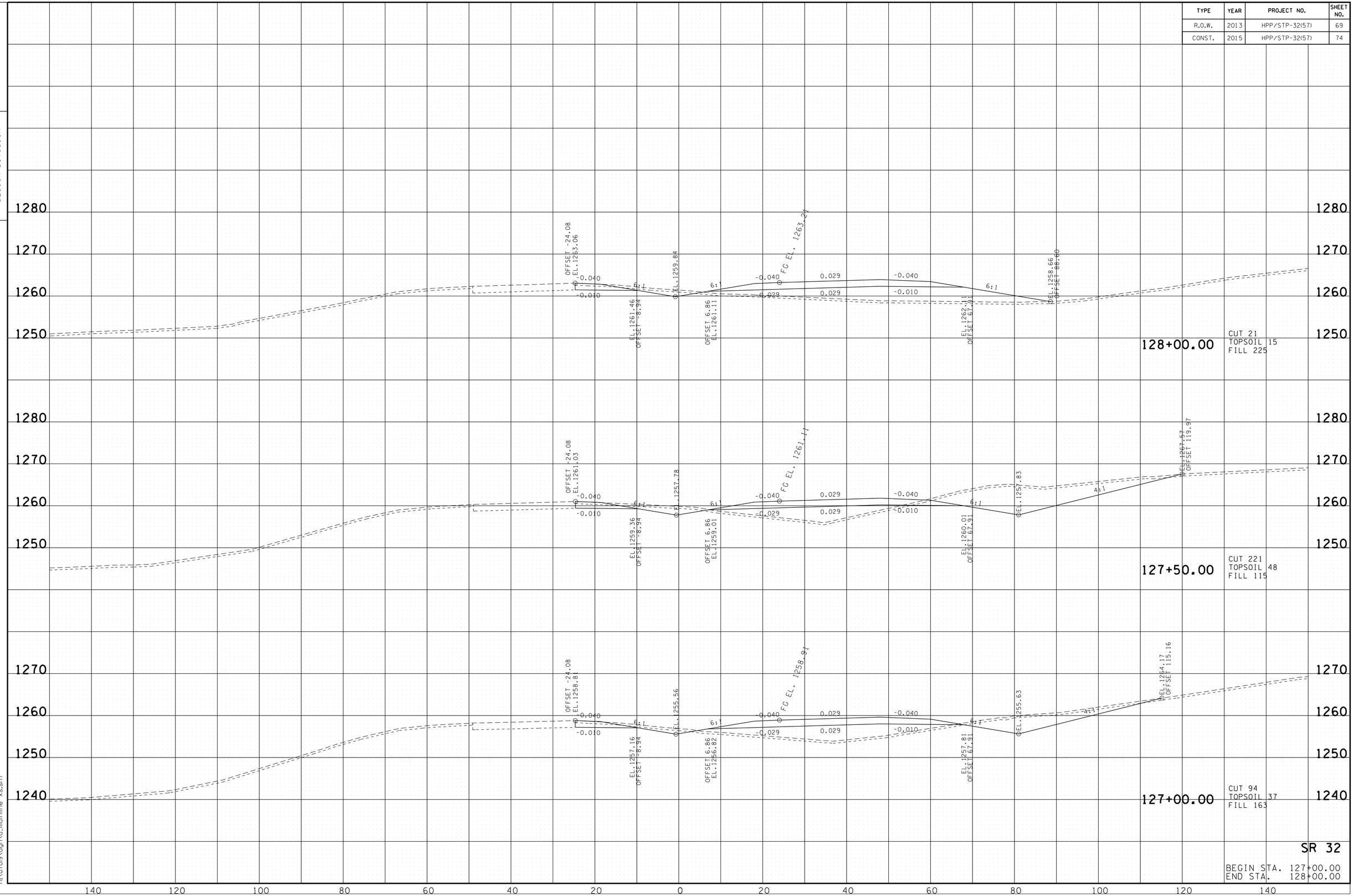
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	69
CONST.	2015	HPP/STP-32(57)	74



SR 32

BEGIN STA. 127+00.00
END STA. 128+00.00

10/20/2014
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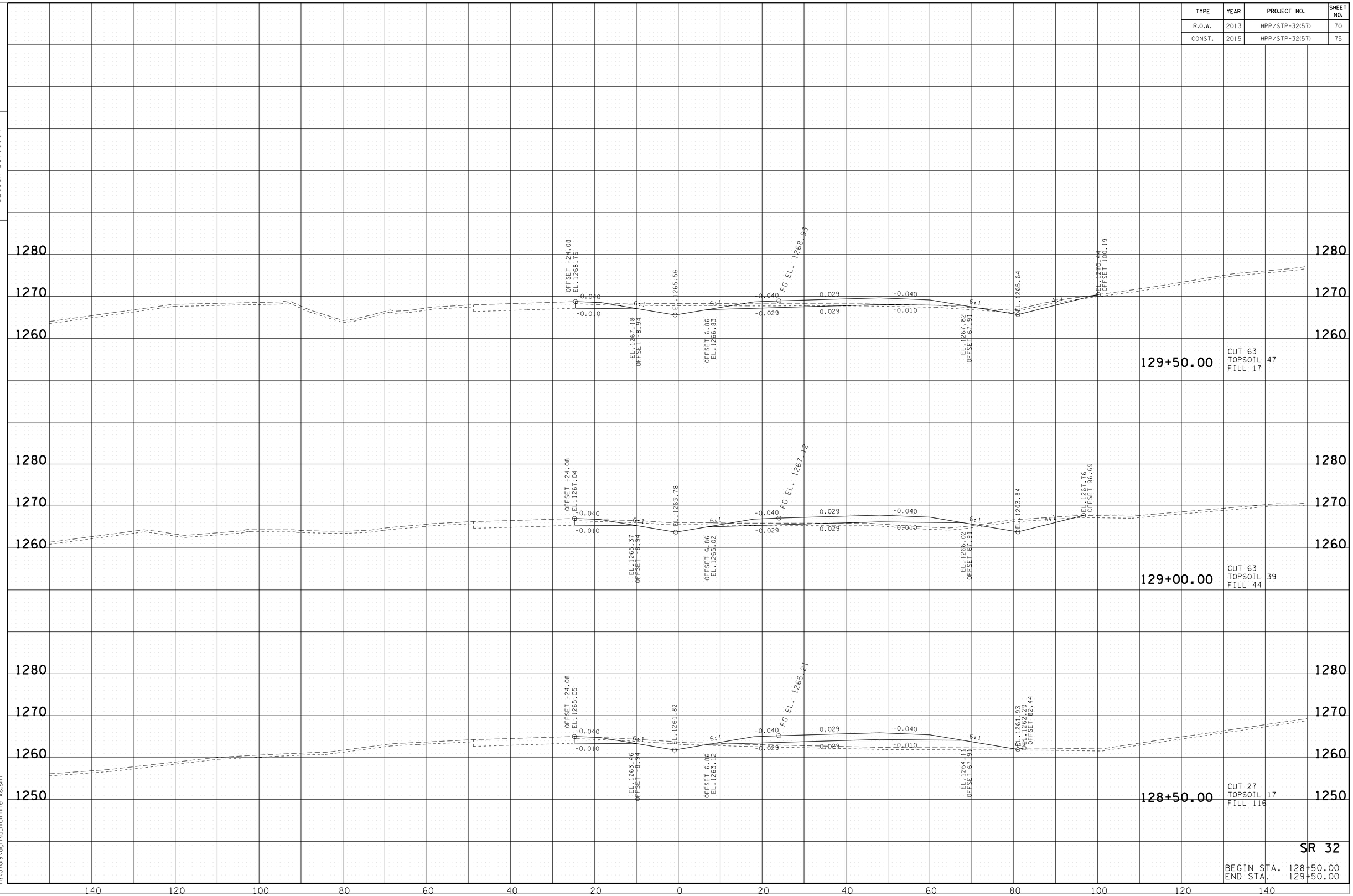
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	70
CONST.	2015	HPP/STP-32(57)	75



SR 32

BEGIN STA. 128+50.00
END STA. 129+50.00

10/20/2014
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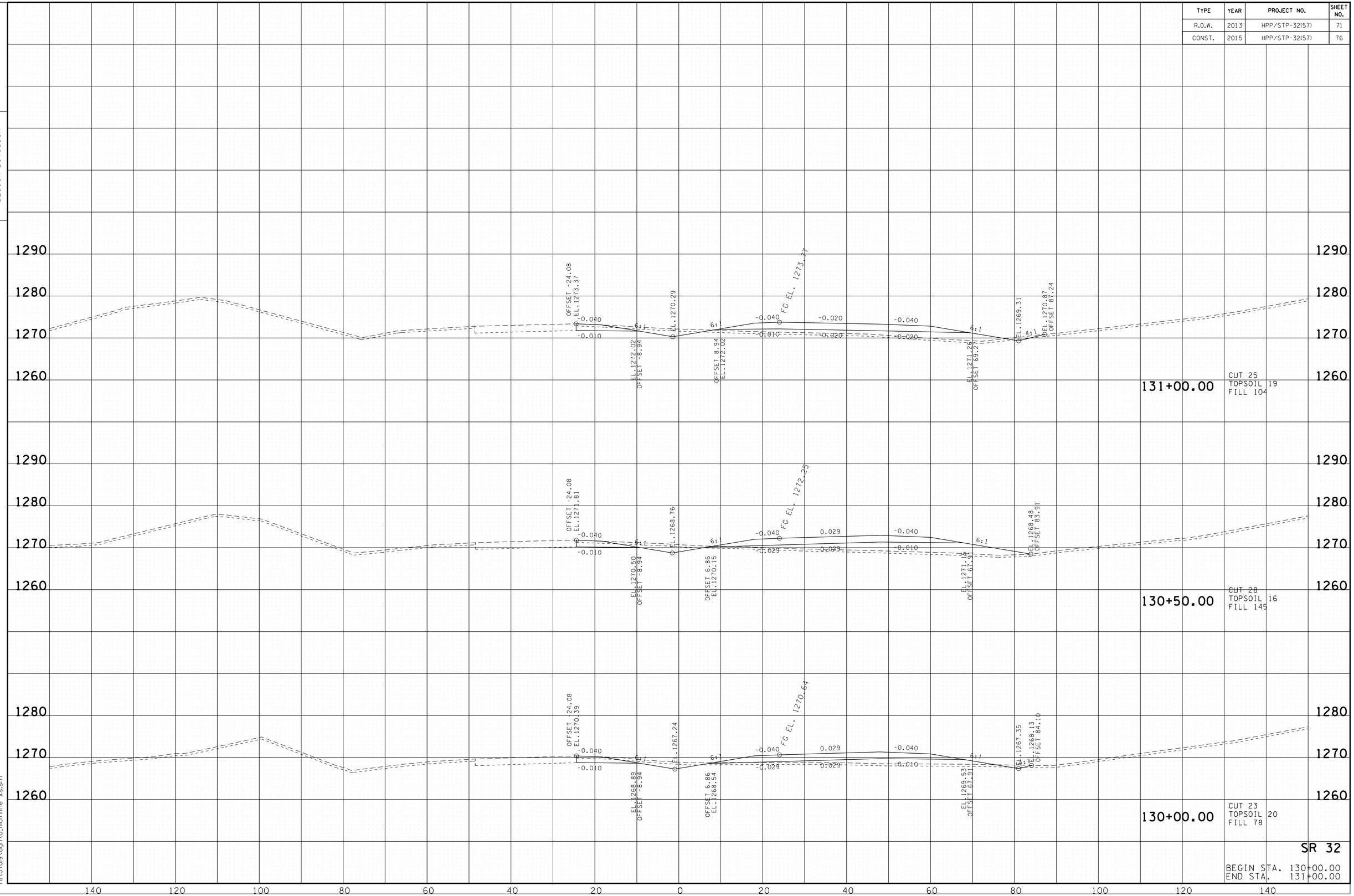
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	71
CONST.	2015	HPP/STP-32(57)	76



SR 32

BEGIN STA. 130+00.00
END STA. 131+00.00

10/20/2014
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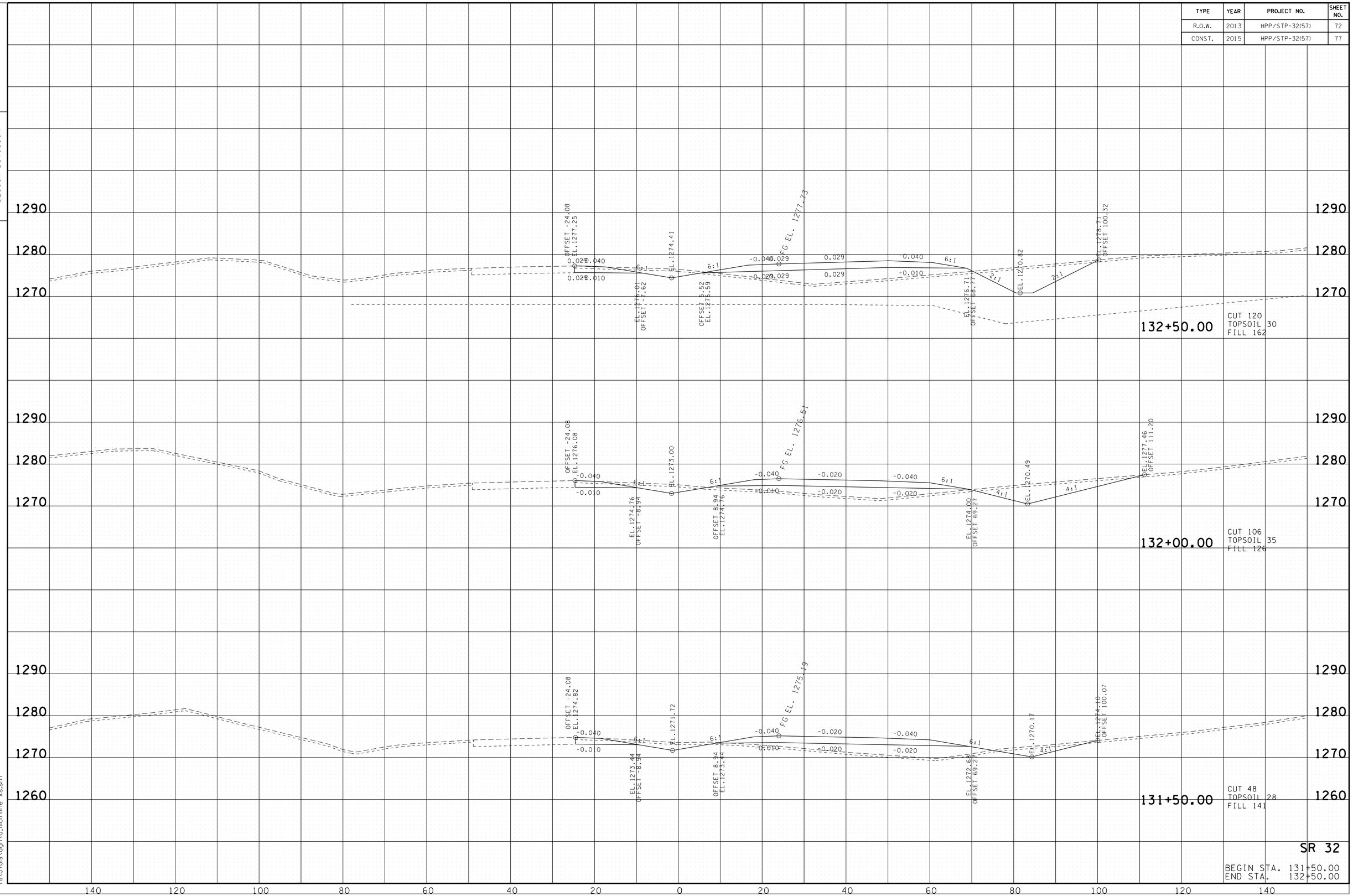
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	72
CONST.	2015	HPP/STP-32(57)	77



SR 32

BEGIN STA. 131+50.00
END STA. 132+50.00

10/20/2014
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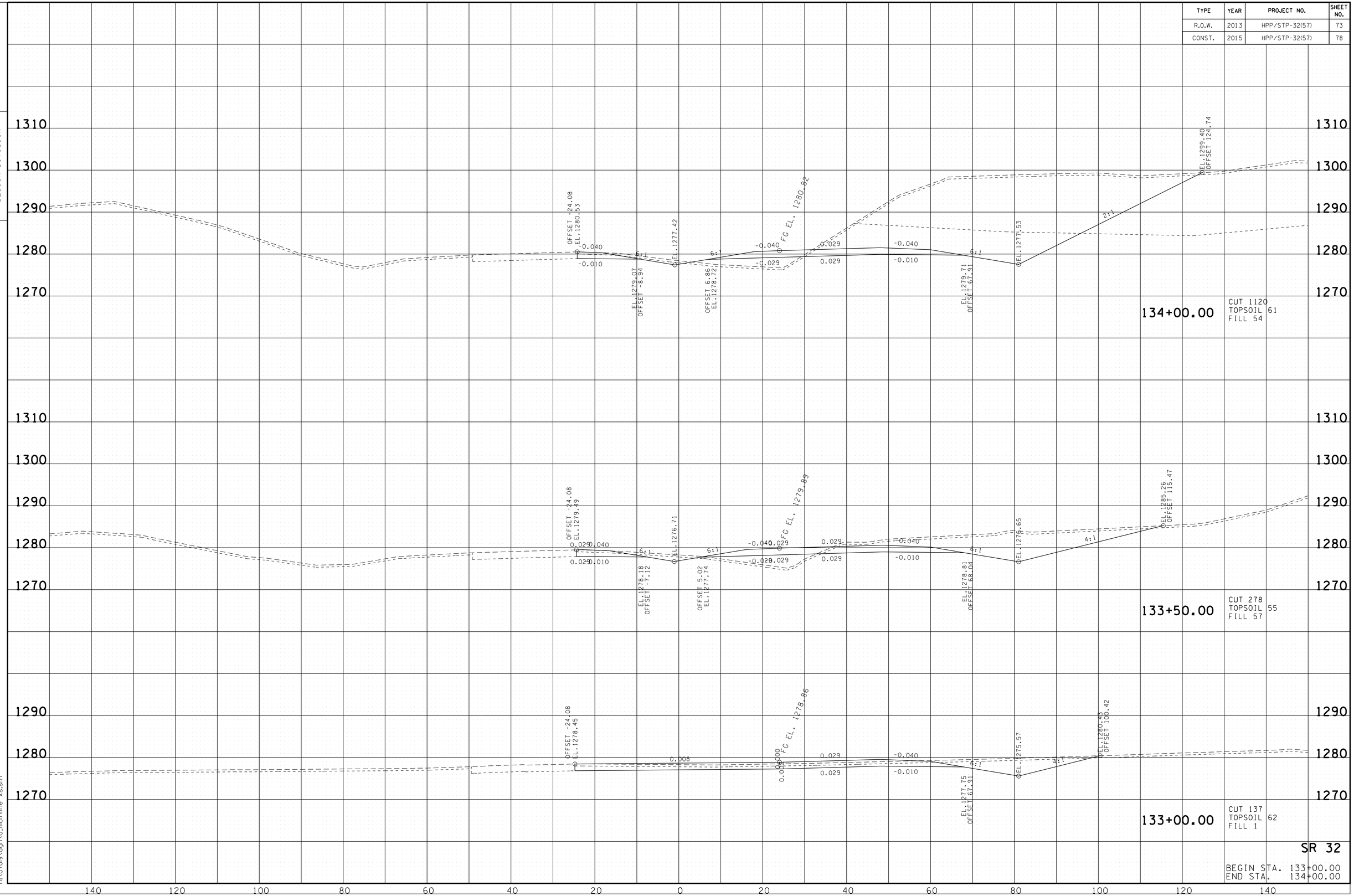
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	73
CONST.	2015	HPP/STP-32(57)	78



SR 32

BEGIN STA. 133+00.00
END STA. 134+00.00

10/20/2014
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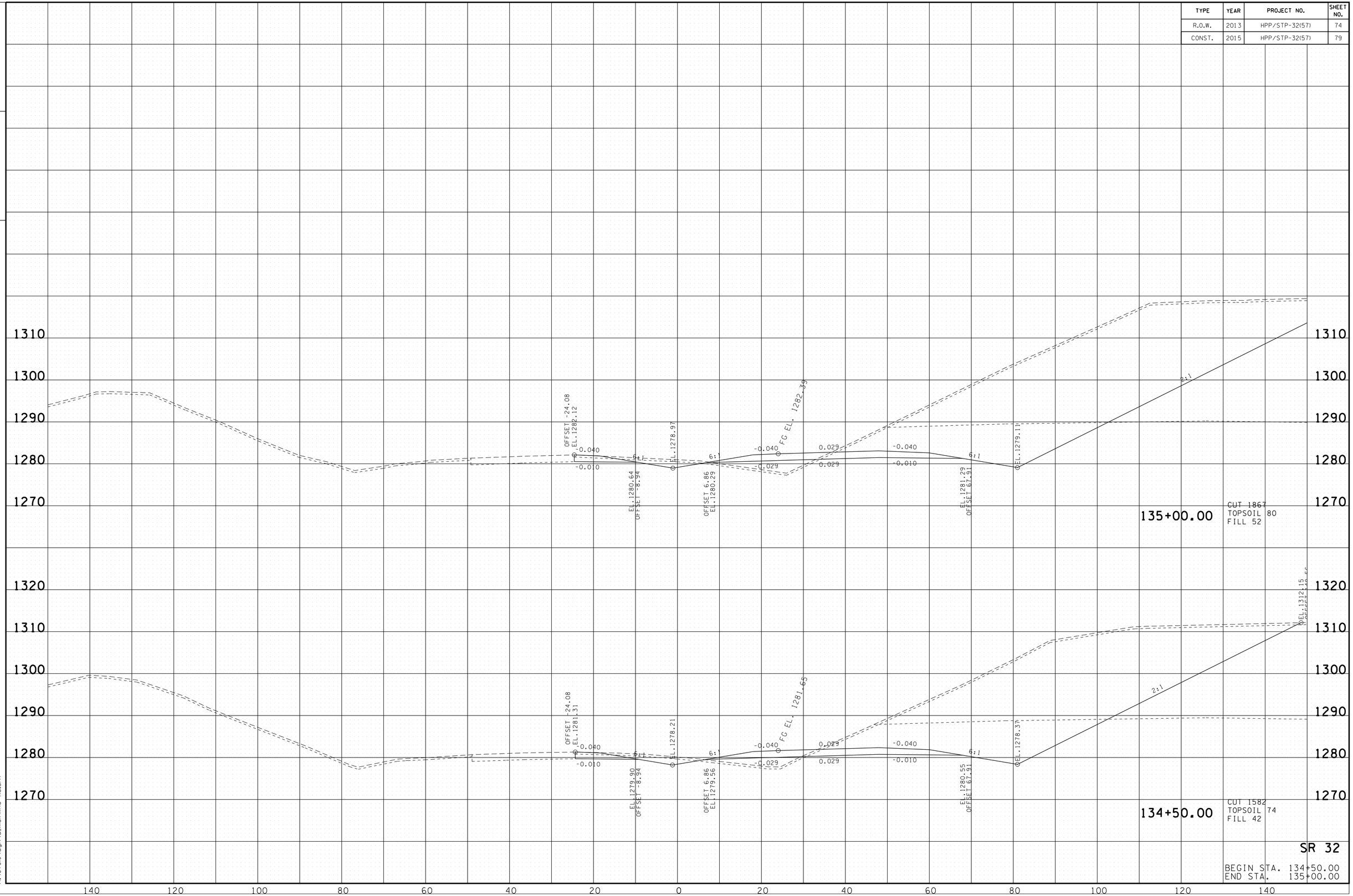
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	74
CONST.	2015	HPP/STP-32(57)	79



SR 32

BEGIN STA. 134+50.00
END STA. 135+00.00

10/20/2014
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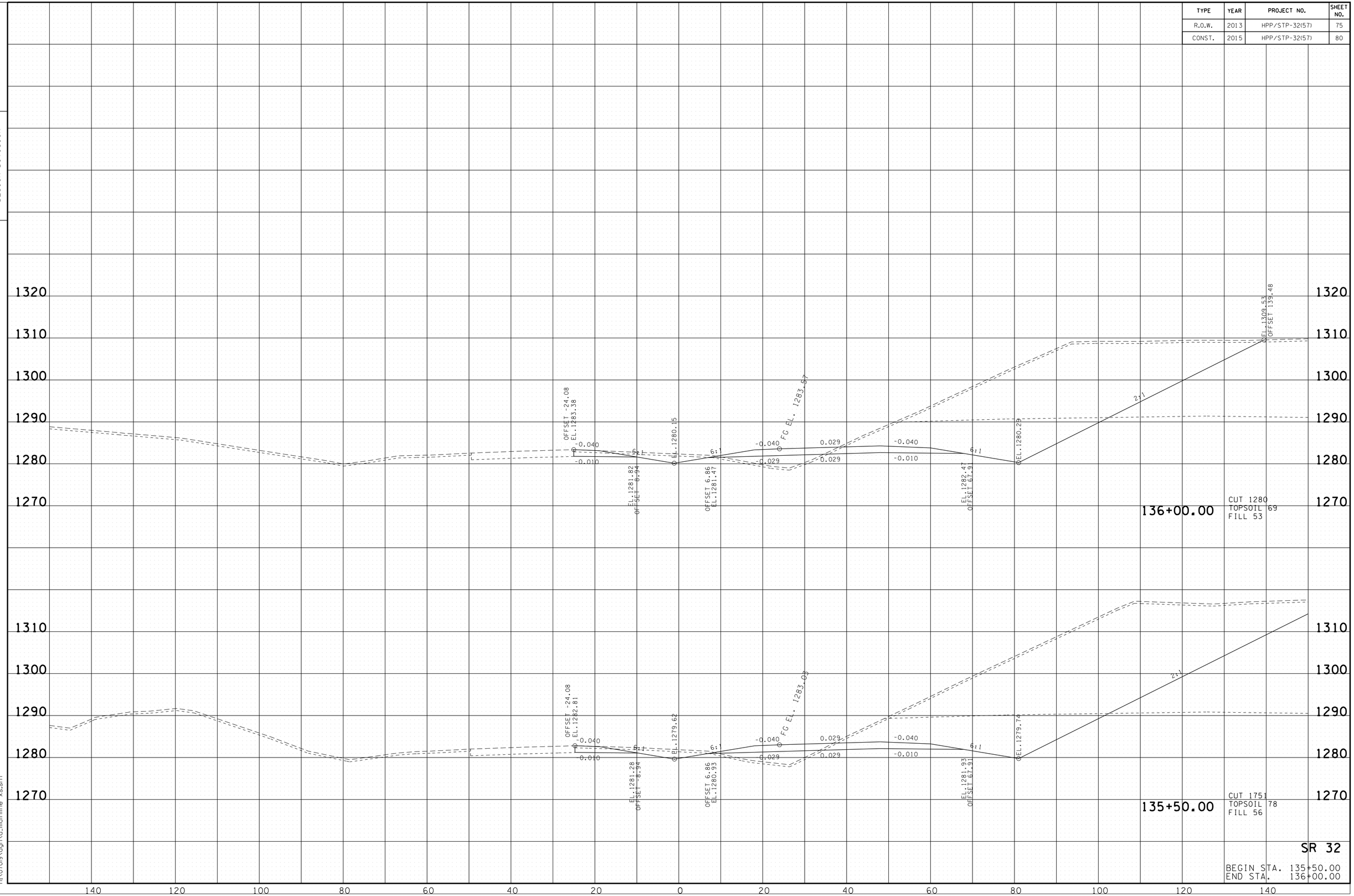
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	75
CONST.	2015	HPP/STP-32(57)	80



SR 32

BEGIN STA. 135+50.00
END STA. 136+00.00

10/20/2014
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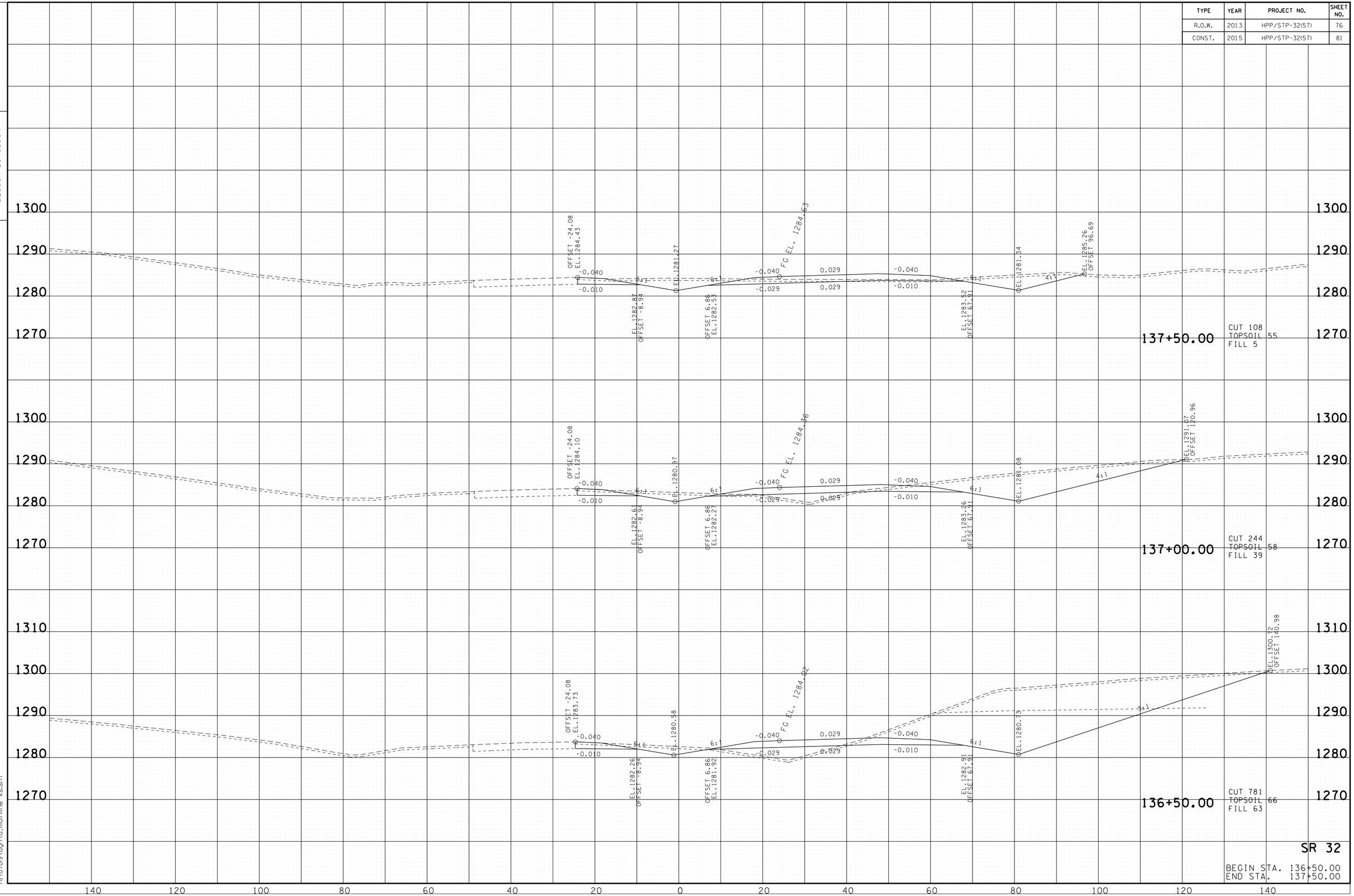
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	76
CONST.	2015	HPP/STP-32(57)	81



SR 32

BEGIN STA. 136+50.00
END STA. 137+50.00

10/20/2014
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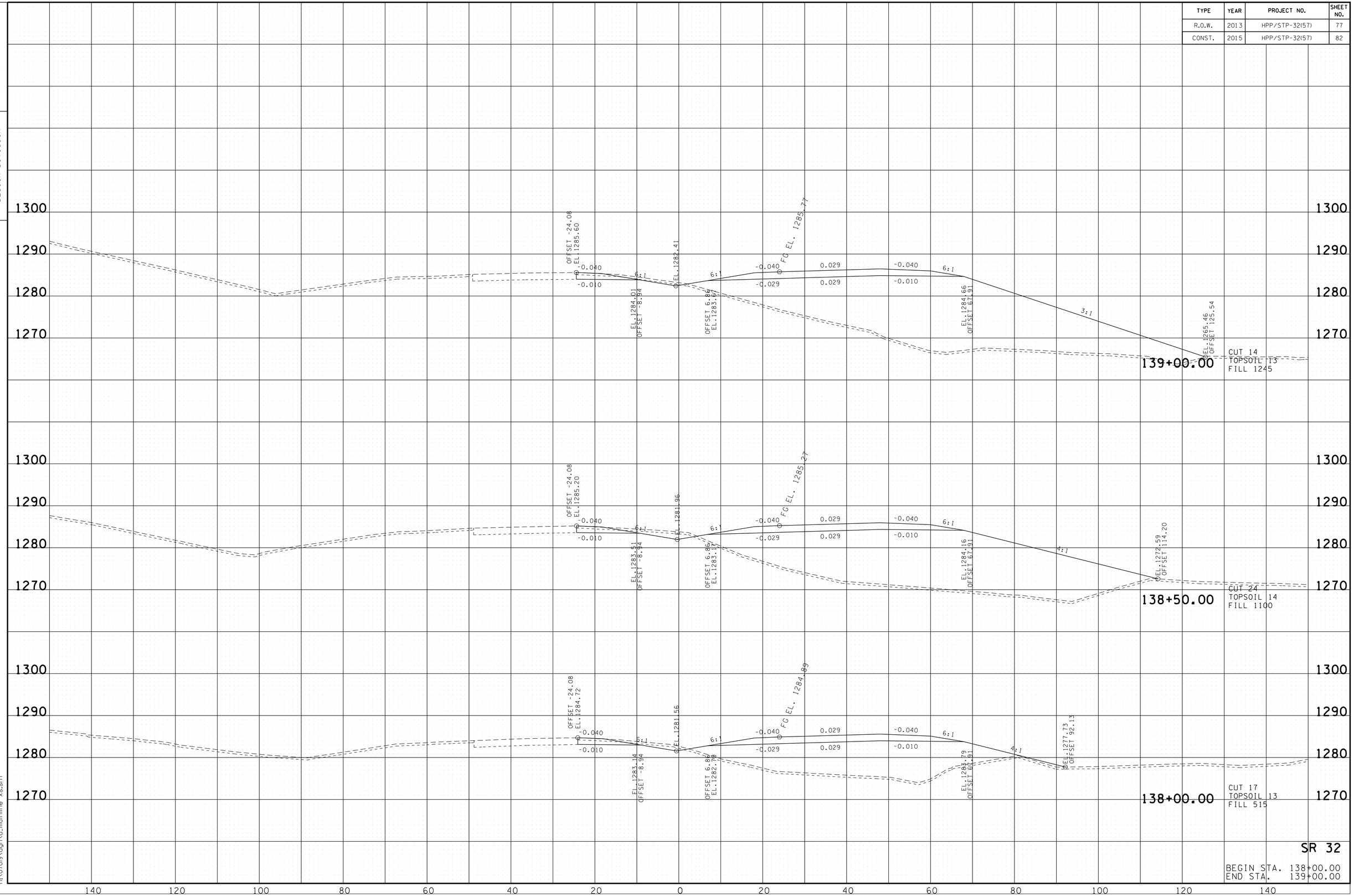
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	77
CONST.	2015	HPP/STP-32(57)	82



SR 32

BEGIN STA. 138+00.00
END STA. 139+00.00

10/20/2014
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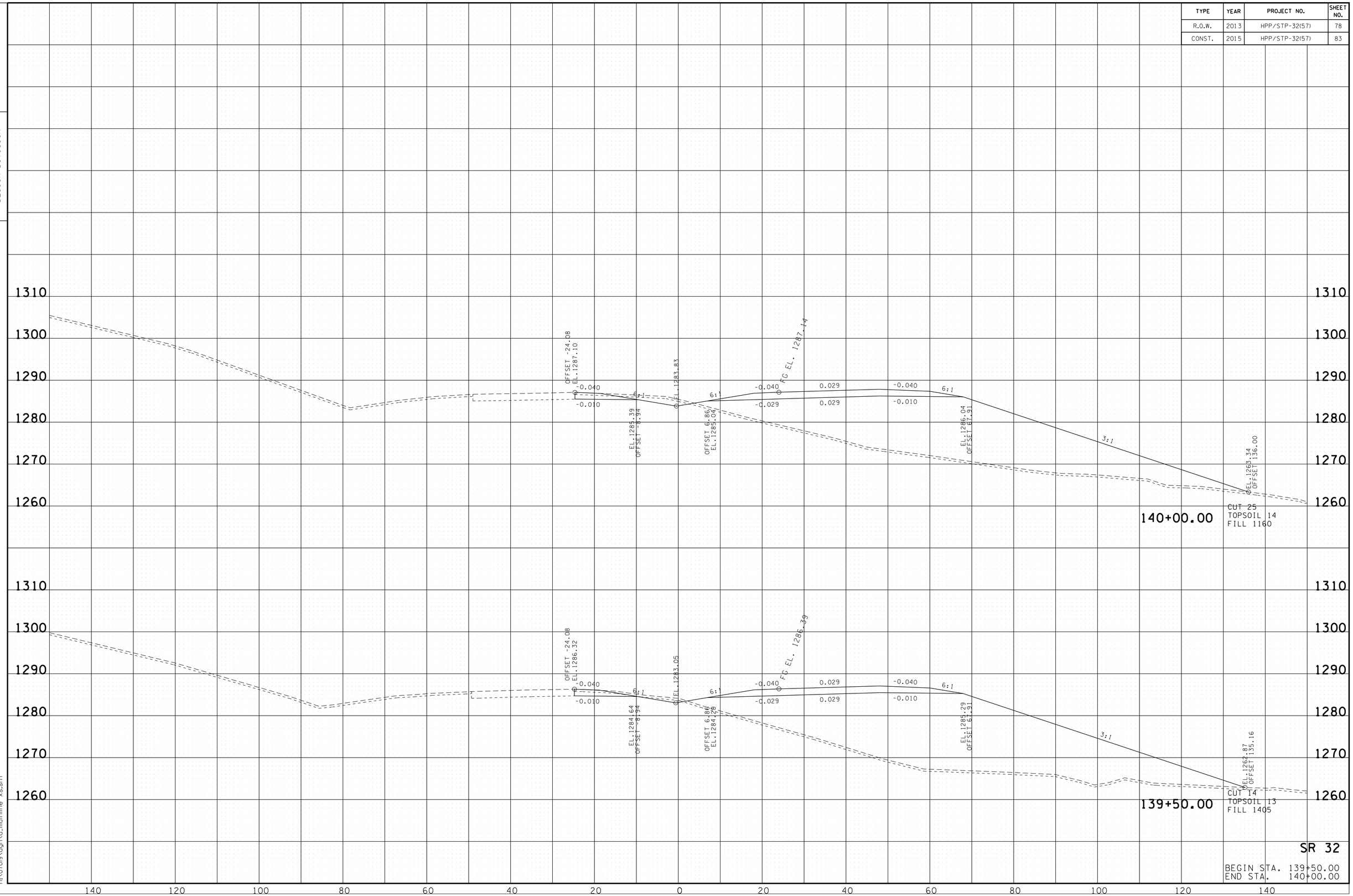
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	78
CONST.	2015	HPP/STP-32(57)	83

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 139+50.00
END STA. 140+00.00

10/20/2014
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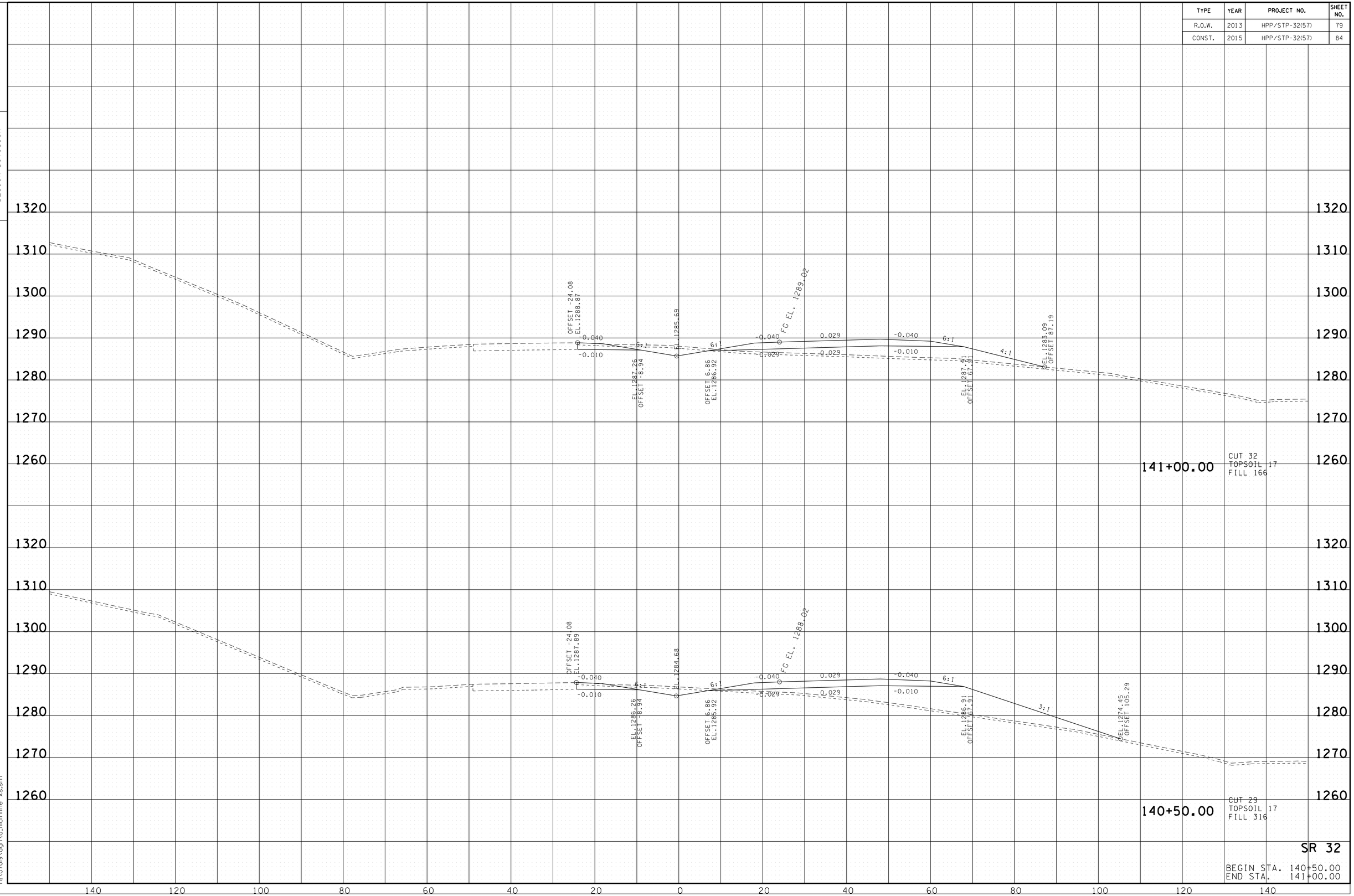
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	79
CONST.	2015	HPP/STP-32(57)	84

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 140+50.00
END STA. 141+00.00

10/20/2014
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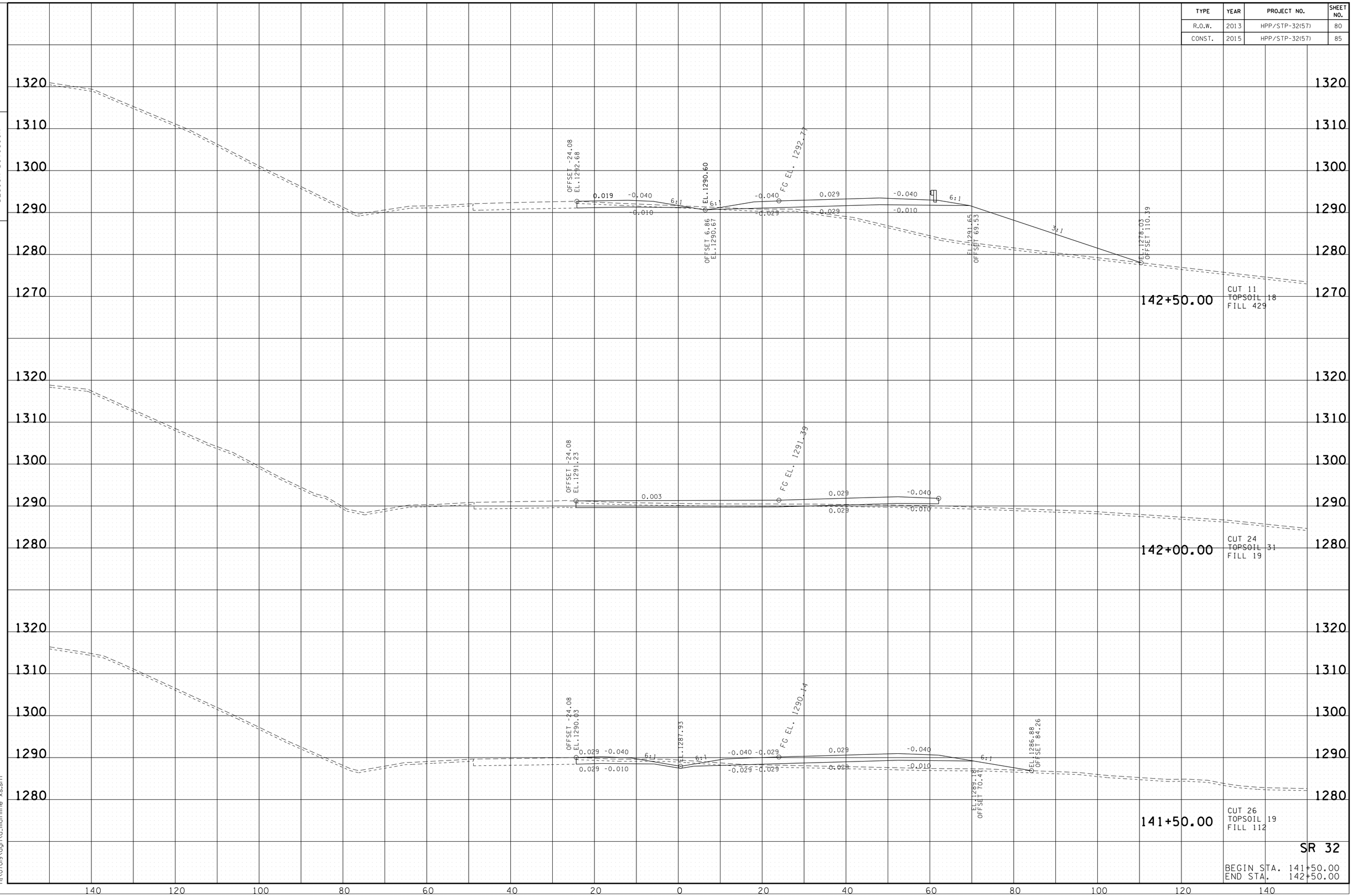
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	80
CONST.	2015	HPP/STP-32(57)	85

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 141+50.00
END STA. 142+50.00

10/20/2014
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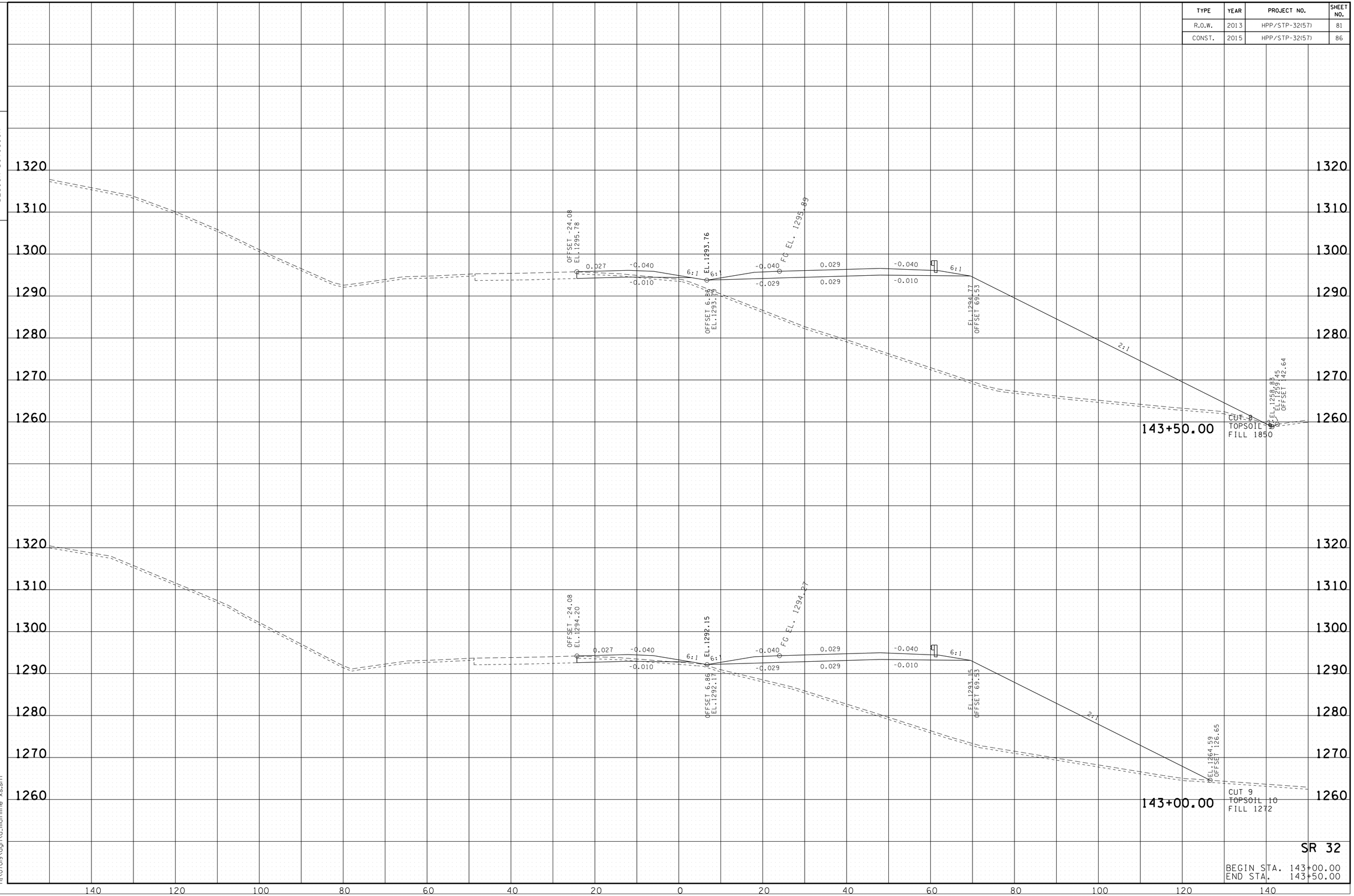
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	81
CONST.	2015	HPP/STP-32(57)	86



SR 32

BEGIN STA. 143+00.00
END STA. 143+50.00

10/20/2014
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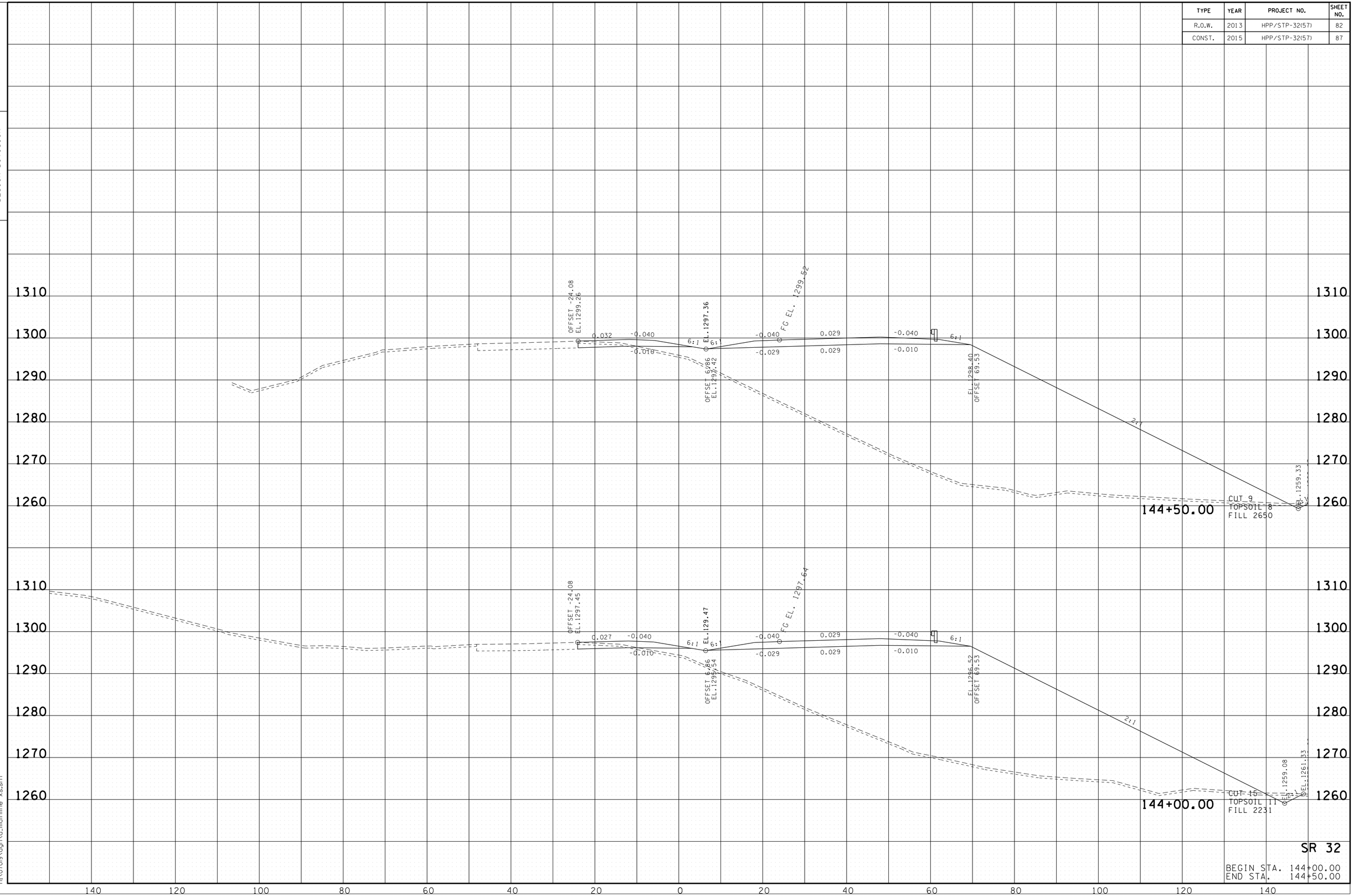
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	82
CONST.	2015	HPP/STP-32(57)	87



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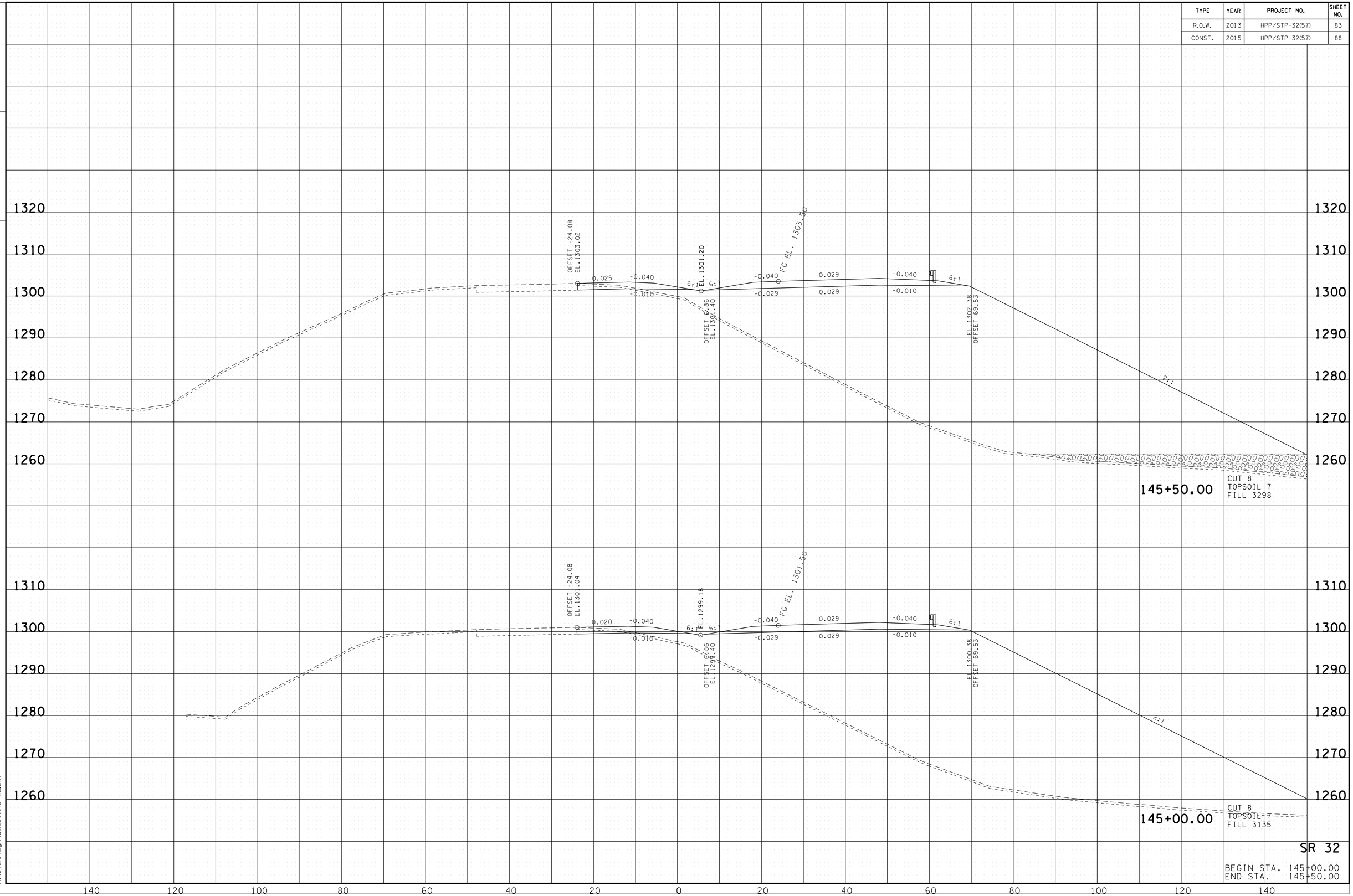
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	83
CONST.	2015	HPP/STP-32(57)	88

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 145+00.00
END STA. 145+50.00

10/20/2014
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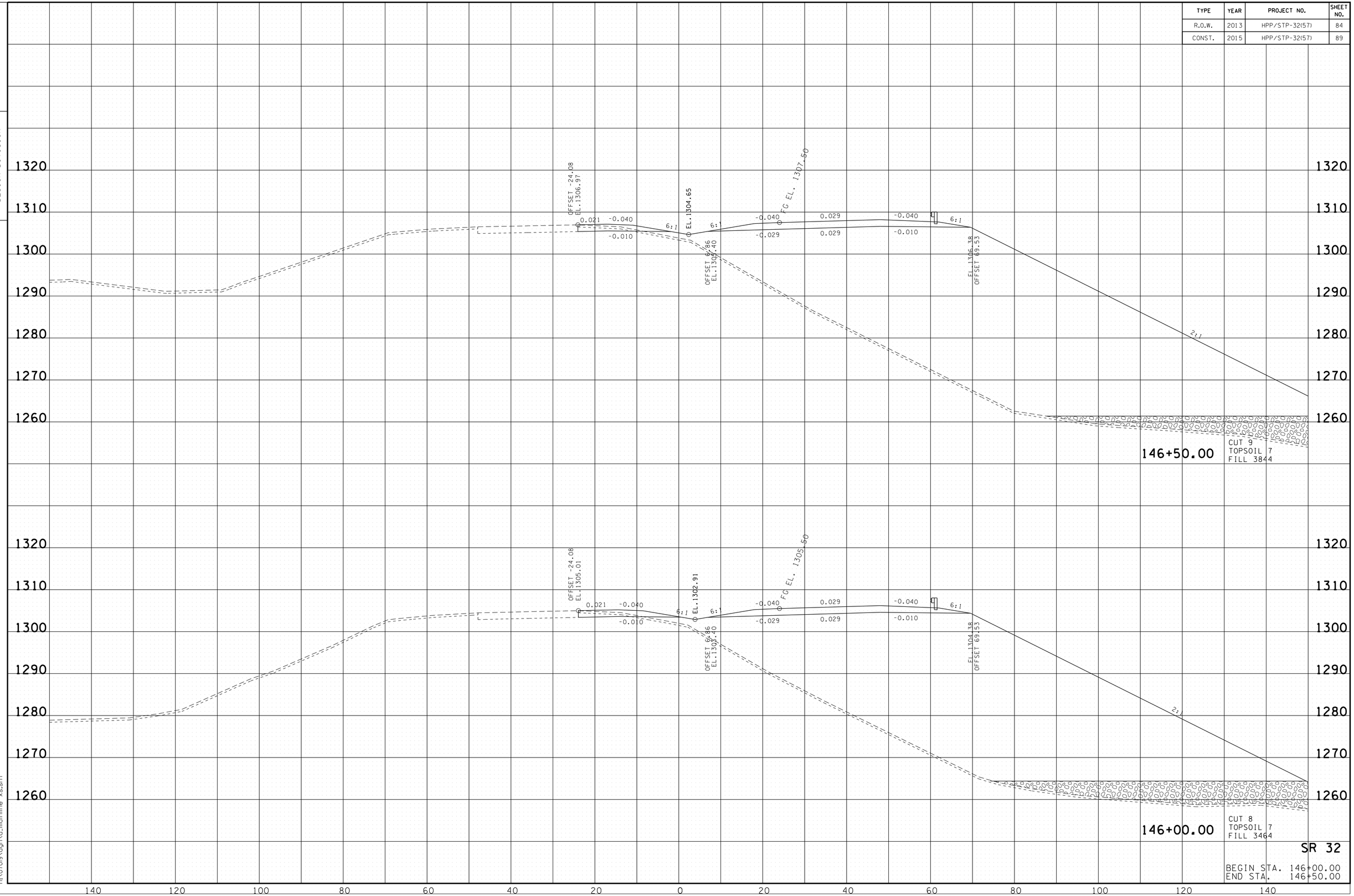
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	84
CONST.	2015	HPP/STP-32(57)	89



SR 32

BEGIN STA. 146+00.00
END STA. 146+50.00

10/20/2014
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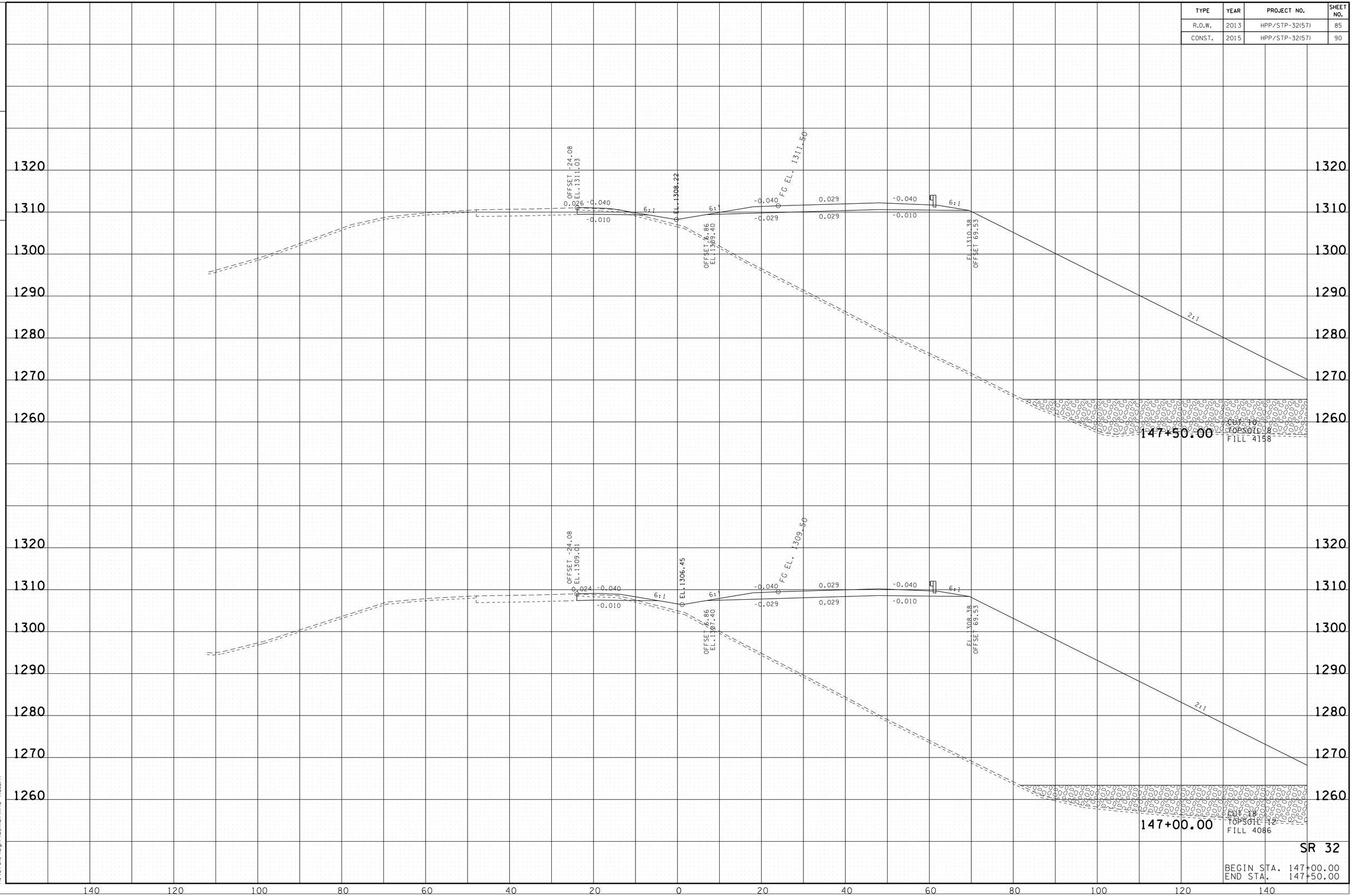
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	85
CONST.	2015	HPP/STP-32(57)	90



SR 32

BEGIN STA. 147+00.00
END STA. 147+50.00

10/20/2014
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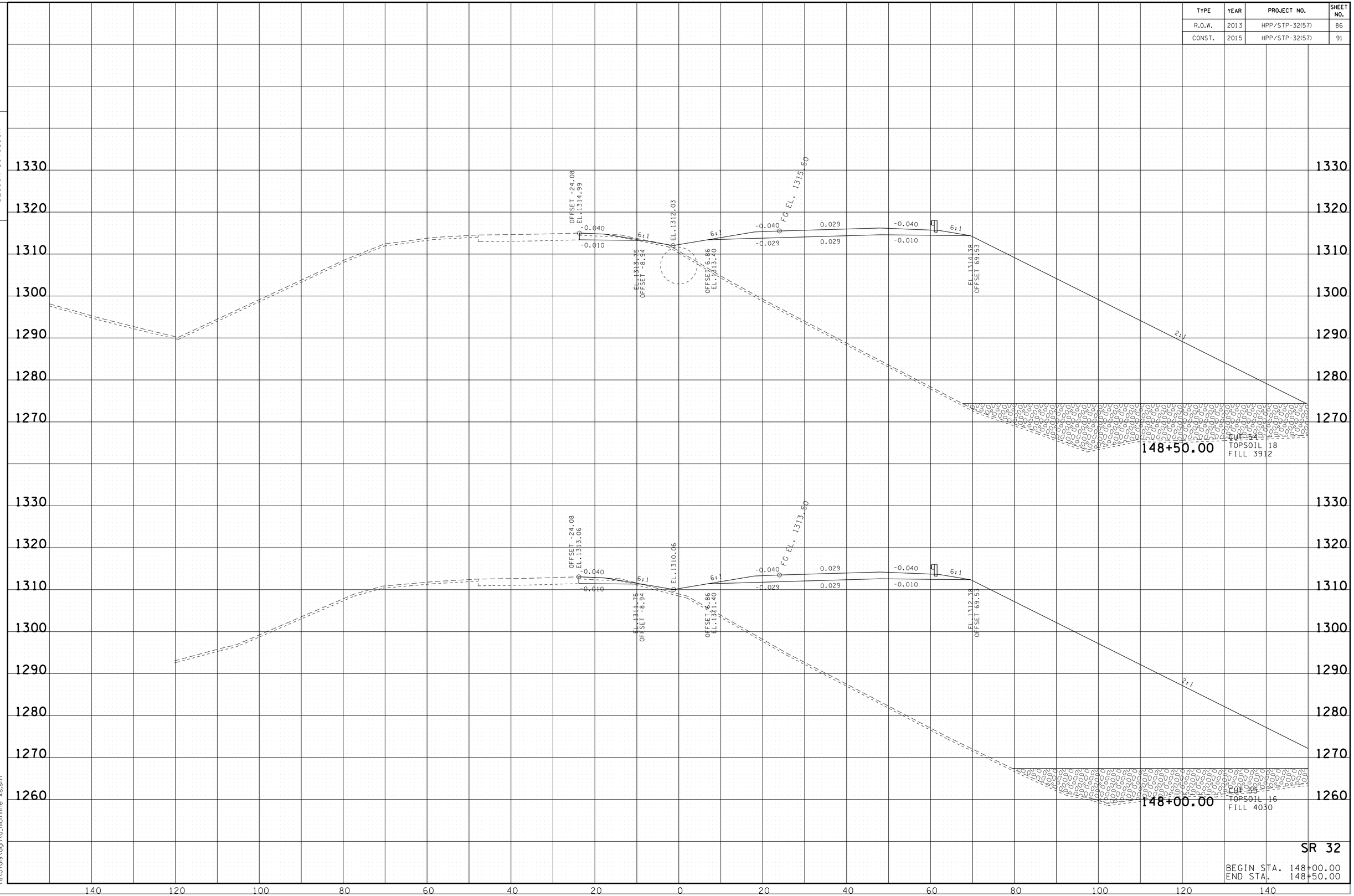
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	86
CONST.	2015	HPP/STP-32(57)	91



SR 32

BEGIN STA. 148+00.00
END STA. 148+50.00

10/20/2014
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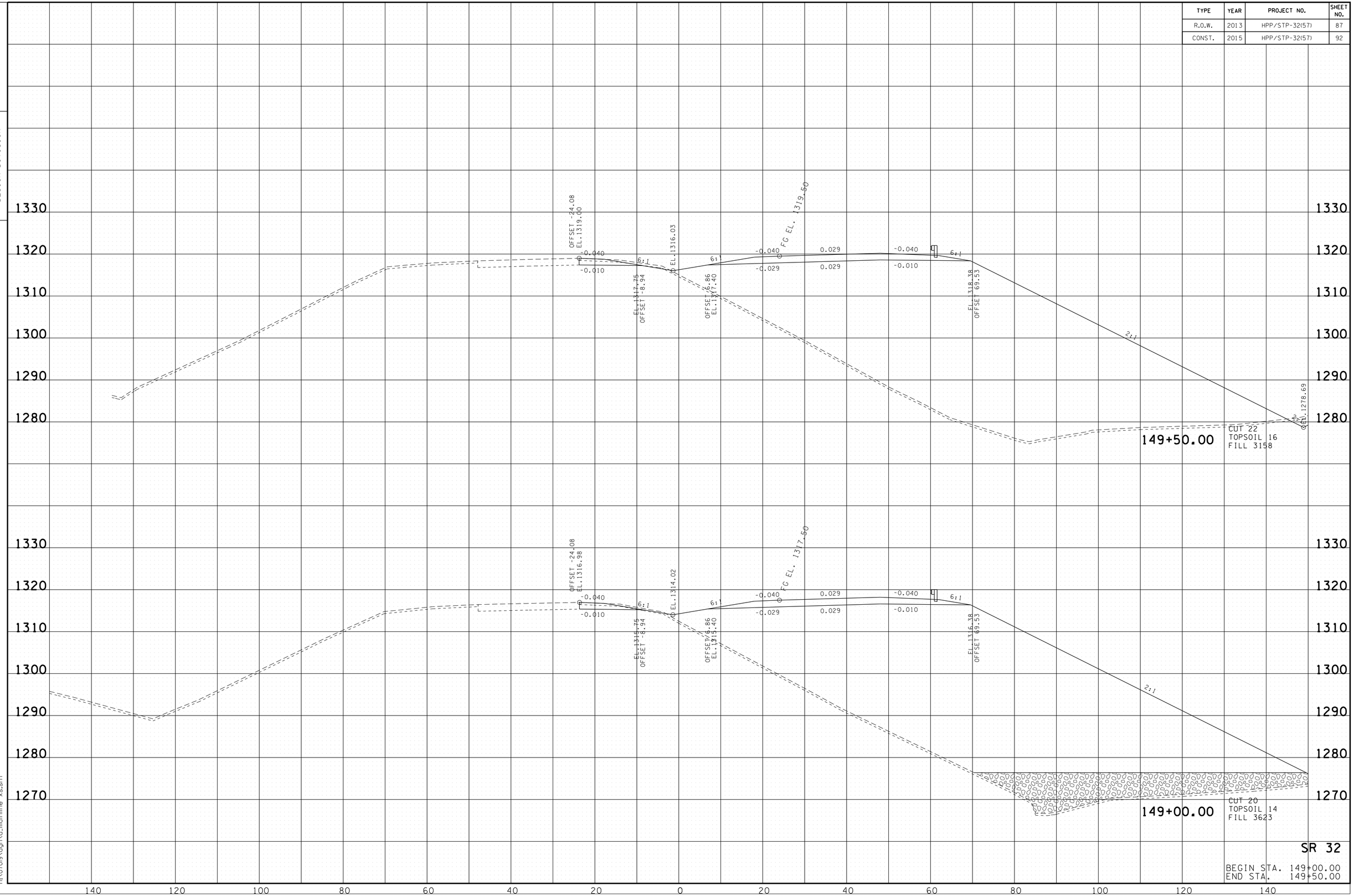
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	87
CONST.	2015	HPP/STP-32(57)	92



SR 32

BEGIN STA. 149+00.00
END STA. 149+50.00

10/20/2014
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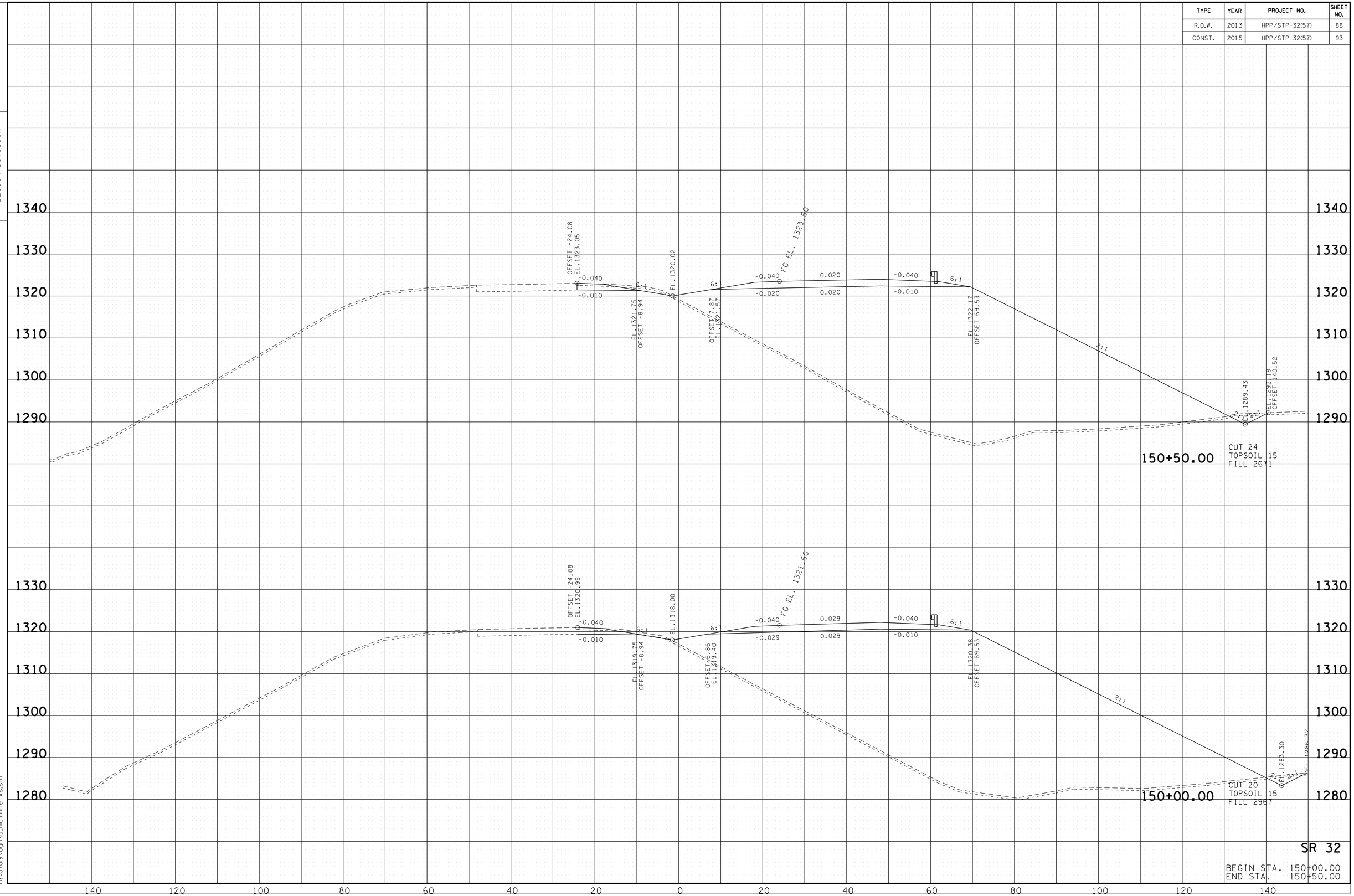
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	88
CONST.	2015	HPP/STP-32(57)	93



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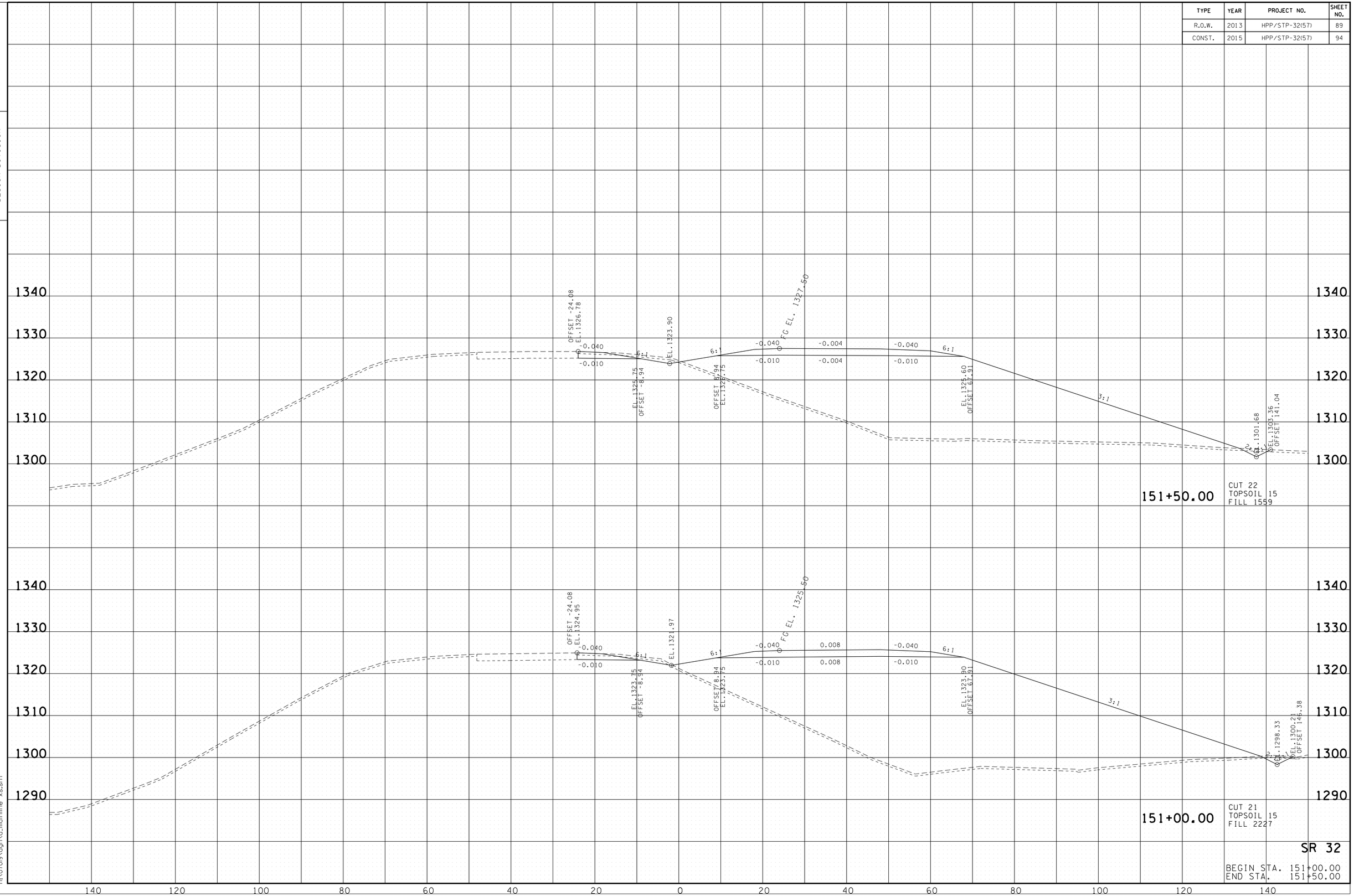
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	89
CONST.	2015	HPP/STP-32(57)	94



SR 32

BEGIN STA. 151+00.00
END STA. 151+50.00

10/20/2014
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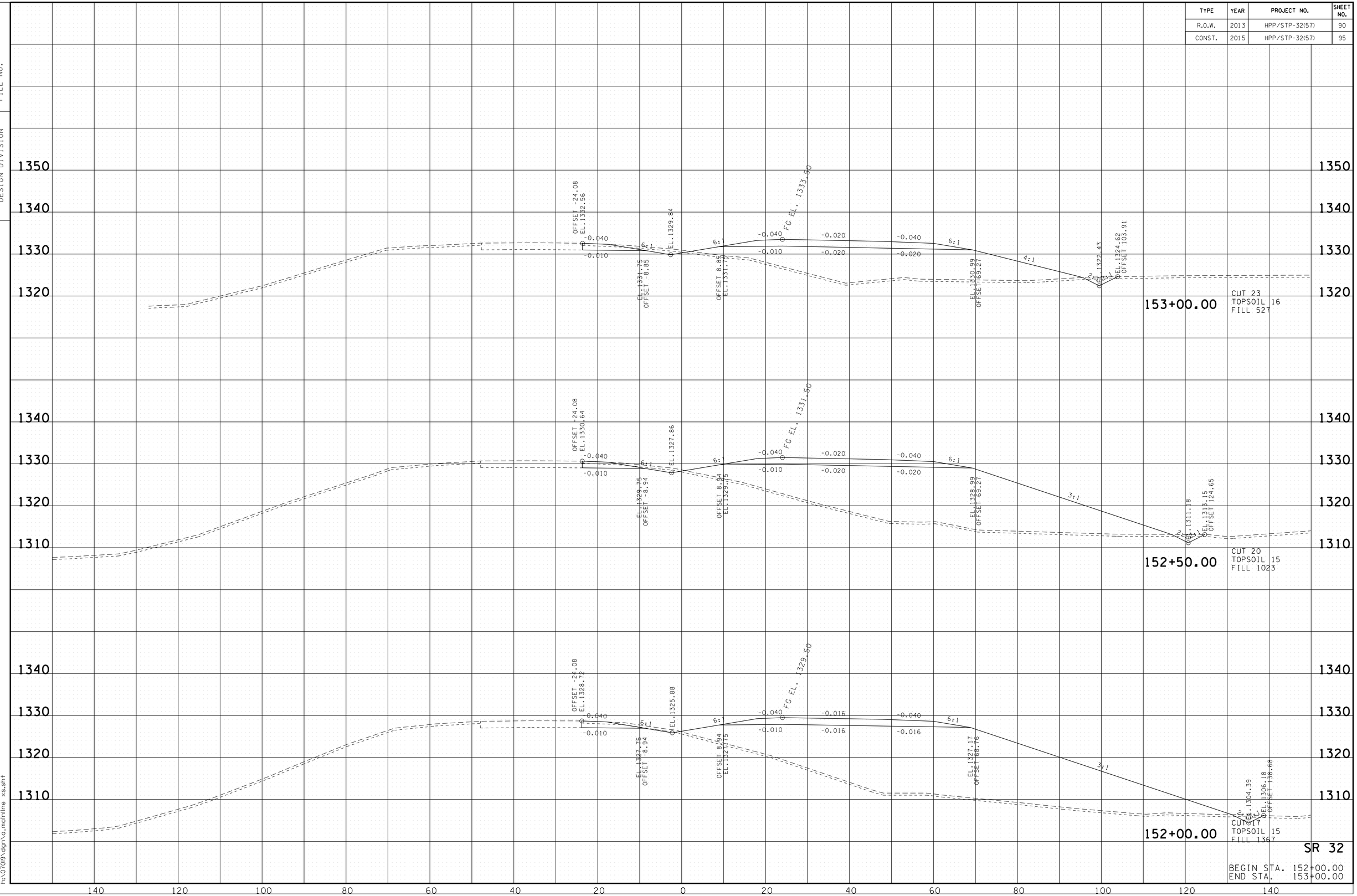
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	90
CONST.	2015	HPP/STP-32(57)	95



SR 32

BEGIN STA. 152+00.00
END STA. 153+00.00

10/20/2014
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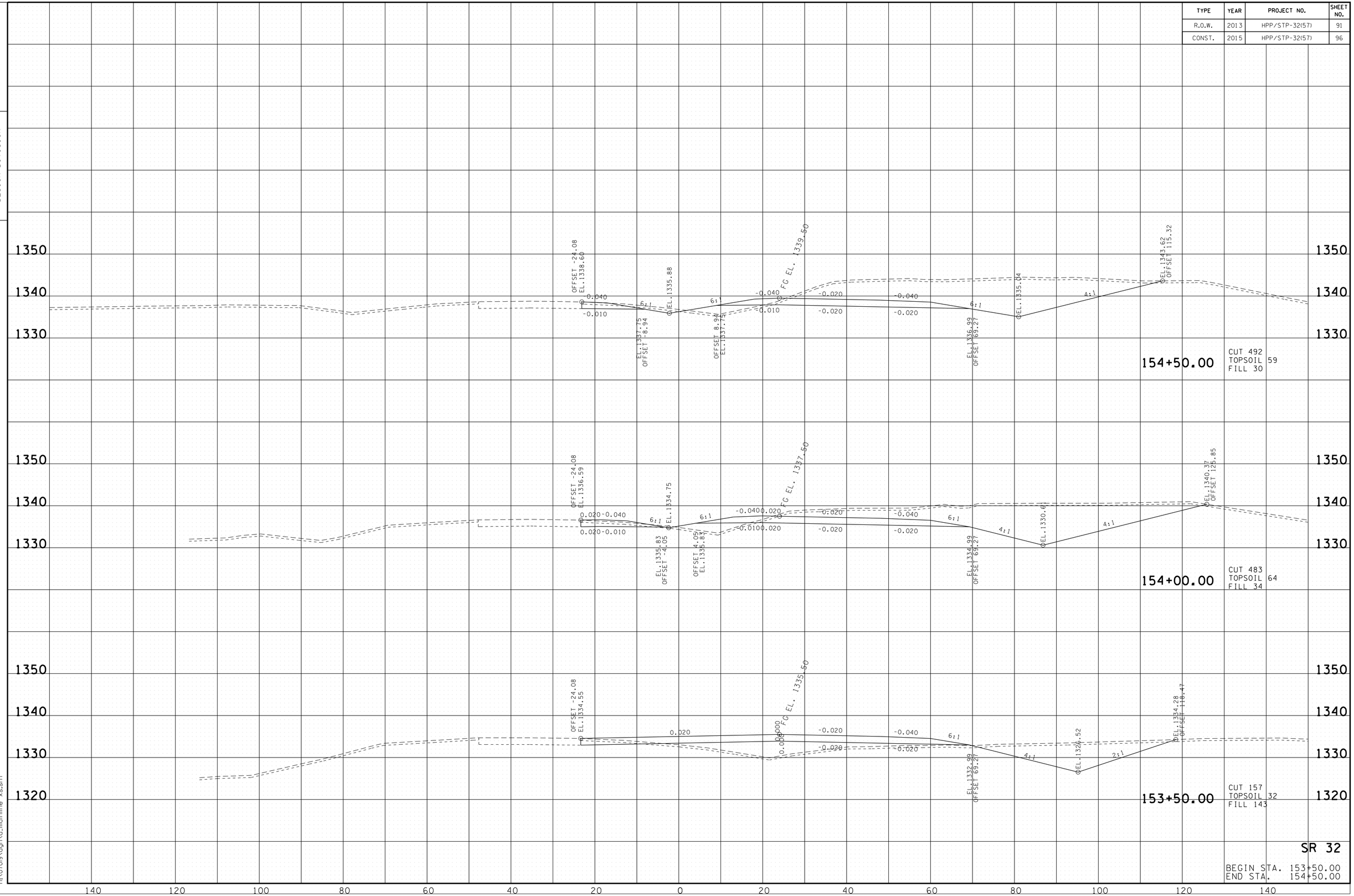
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	91
CONST.	2015	HPP/STP-32(57)	96



SR 32

BEGIN STA. 153+50.00
END STA. 154+50.00

10/20/2014
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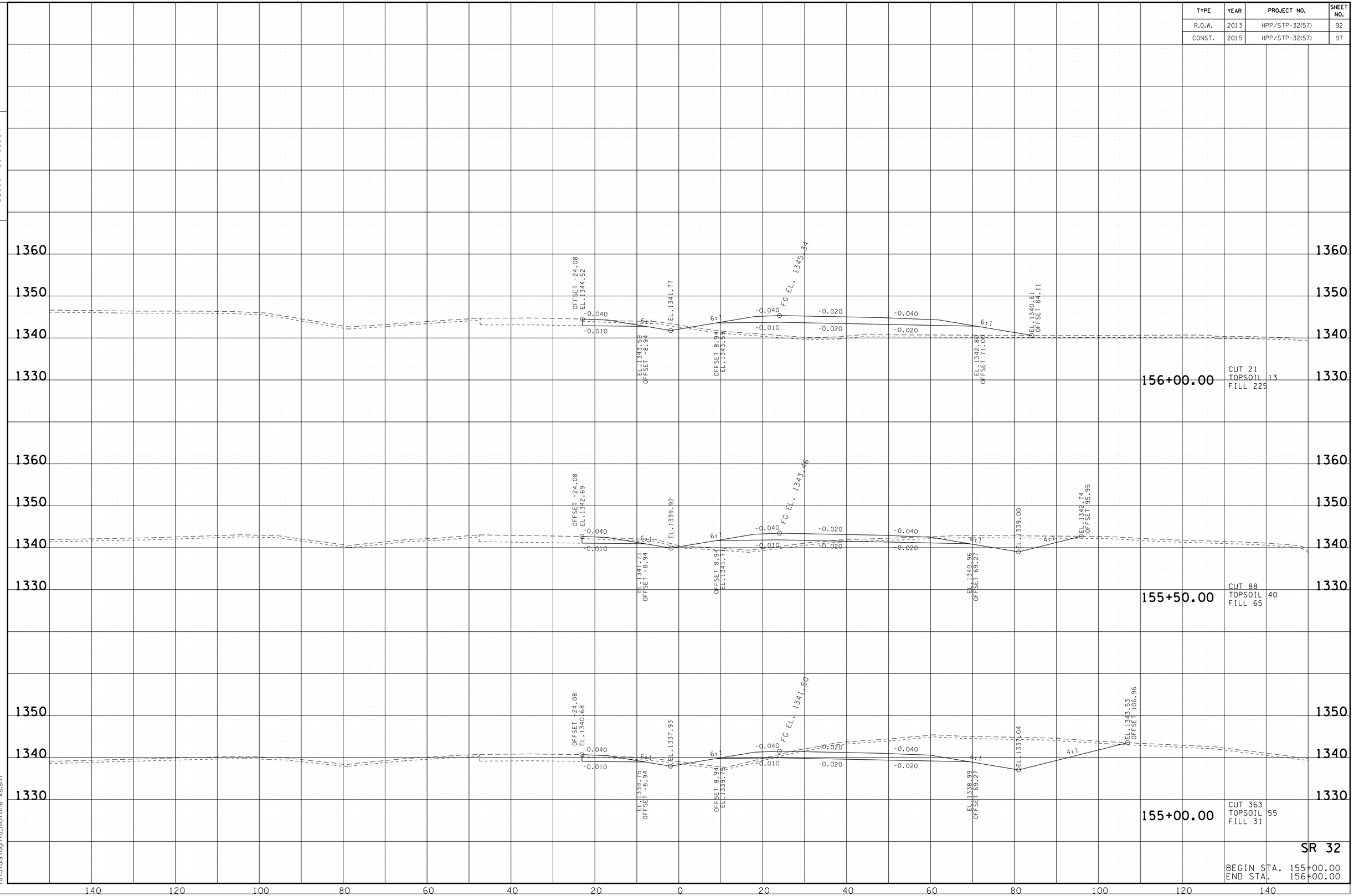
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	92
CONST.	2015	HPP/STP-32(57)	97



SR 32

BEGIN STA. 155+00.00
END STA. 156+00.00

10/20/2014
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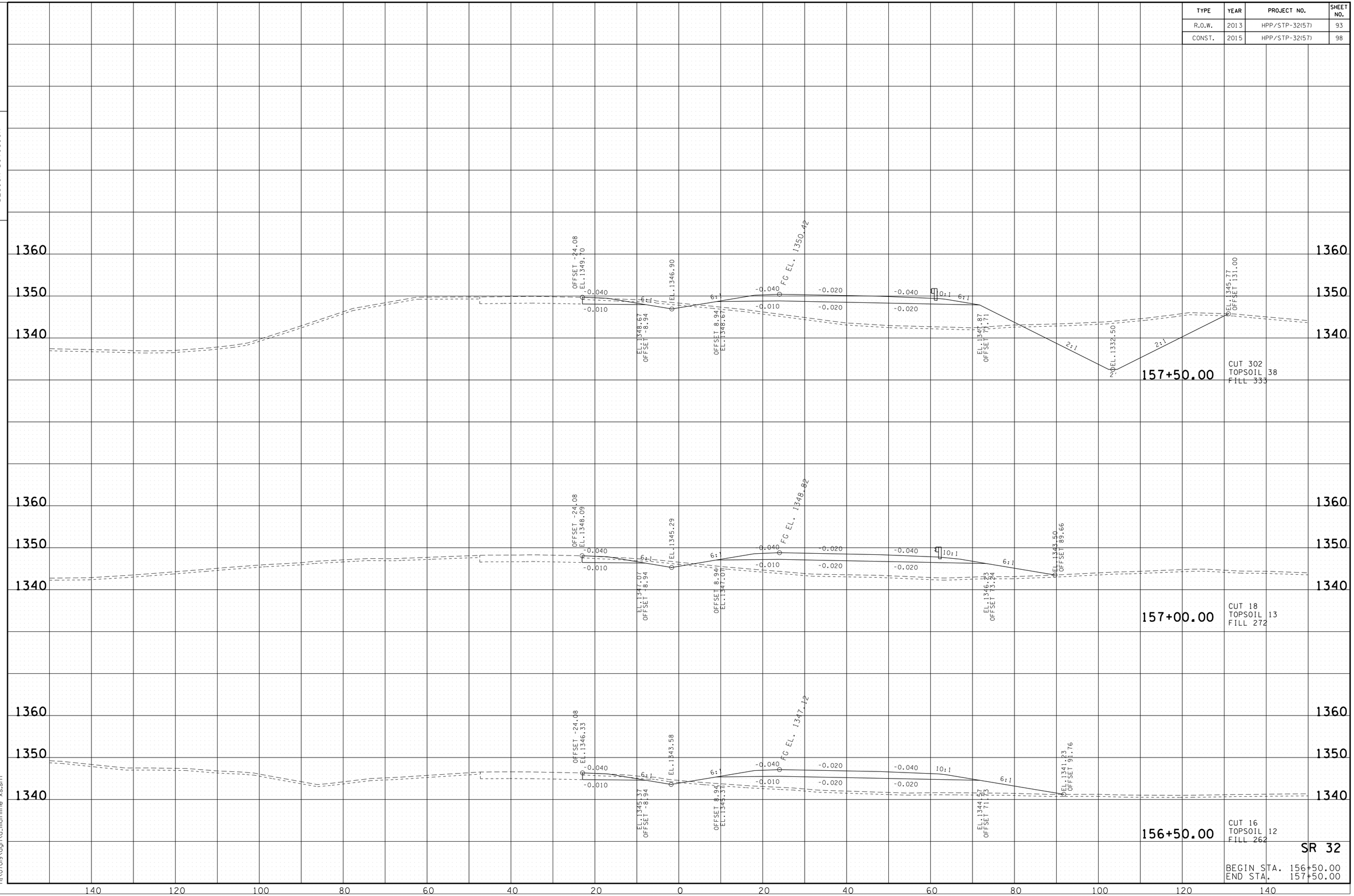
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	93
CONST.	2015	HPP/STP-32(57)	98



SR 32

BEGIN STA. 156+50.00
END STA. 157+50.00

10/20/2014
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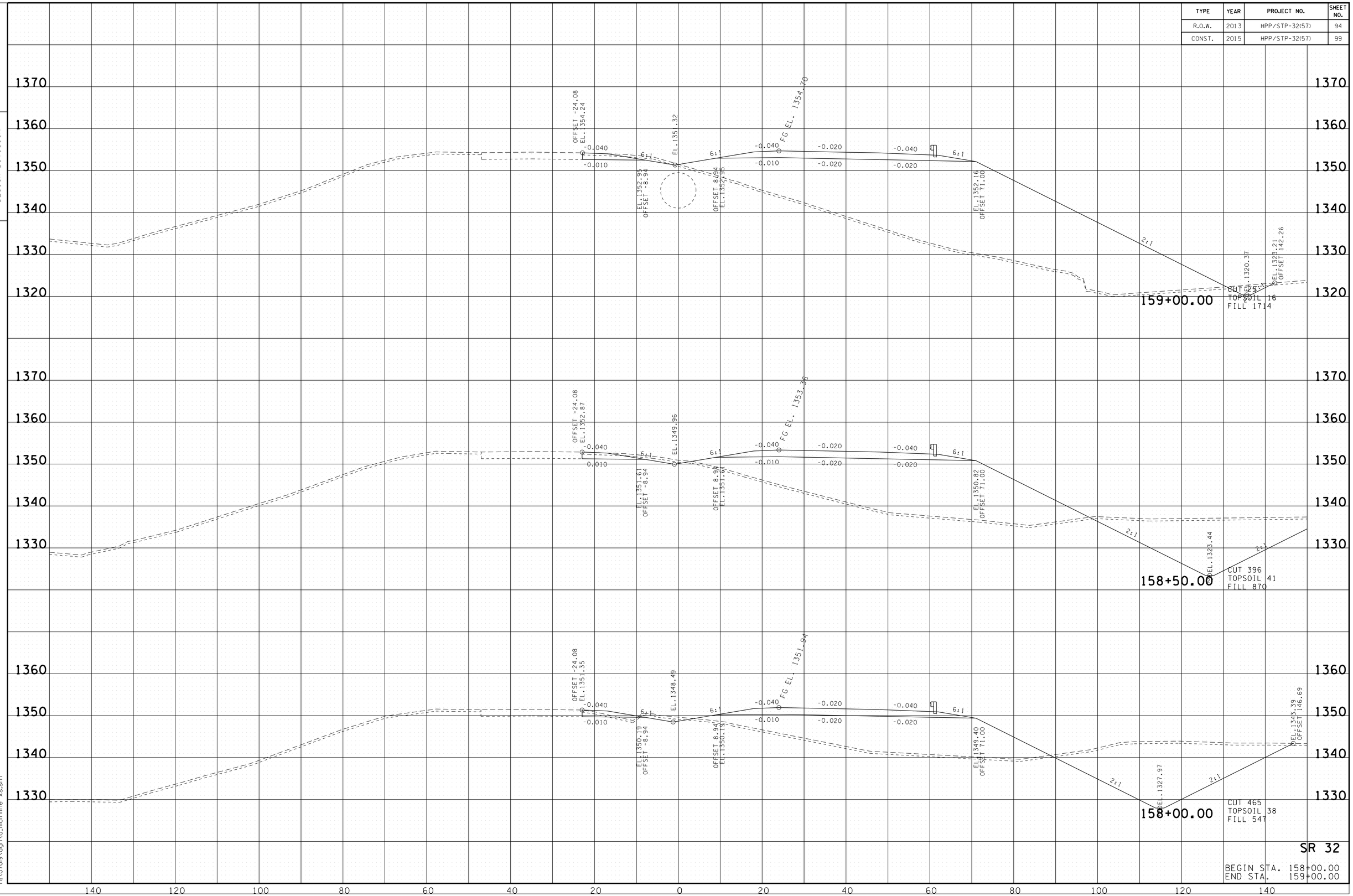
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	94
CONST.	2015	HPP/STP-32(57)	99



SR 32

BEGIN STA. 158+00.00
END STA. 159+00.00

10/20/2014
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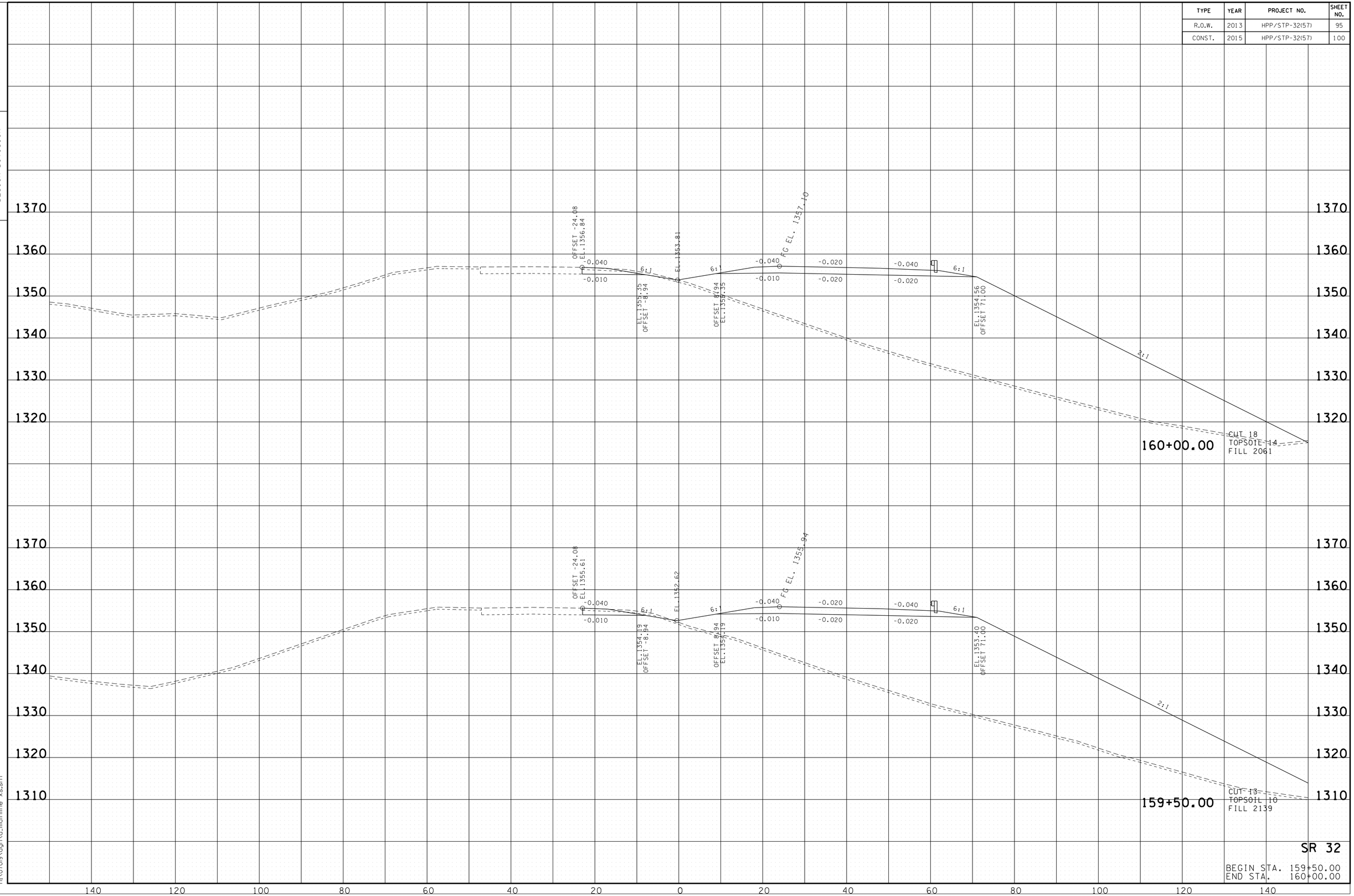
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	95
CONST.	2015	HPP/STP-32(57)	100



SR 32

BEGIN STA. 159+50.00
END STA. 160+00.00

10/20/2014
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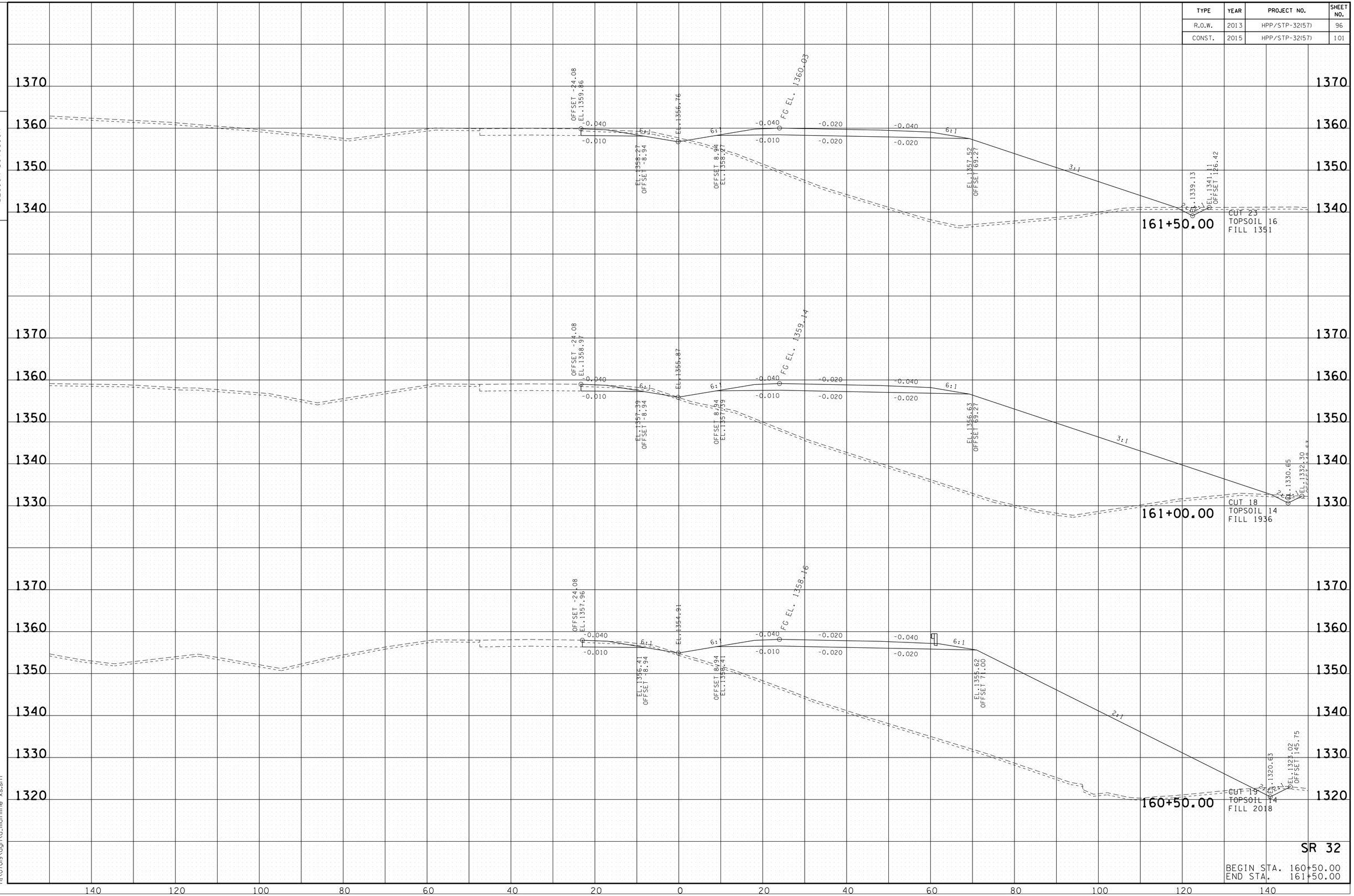
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	96
CONST.	2015	HPP/STP-32(57)	101



SR 32

BEGIN STA. 160+50.00
END STA. 161+50.00

10/20/2014
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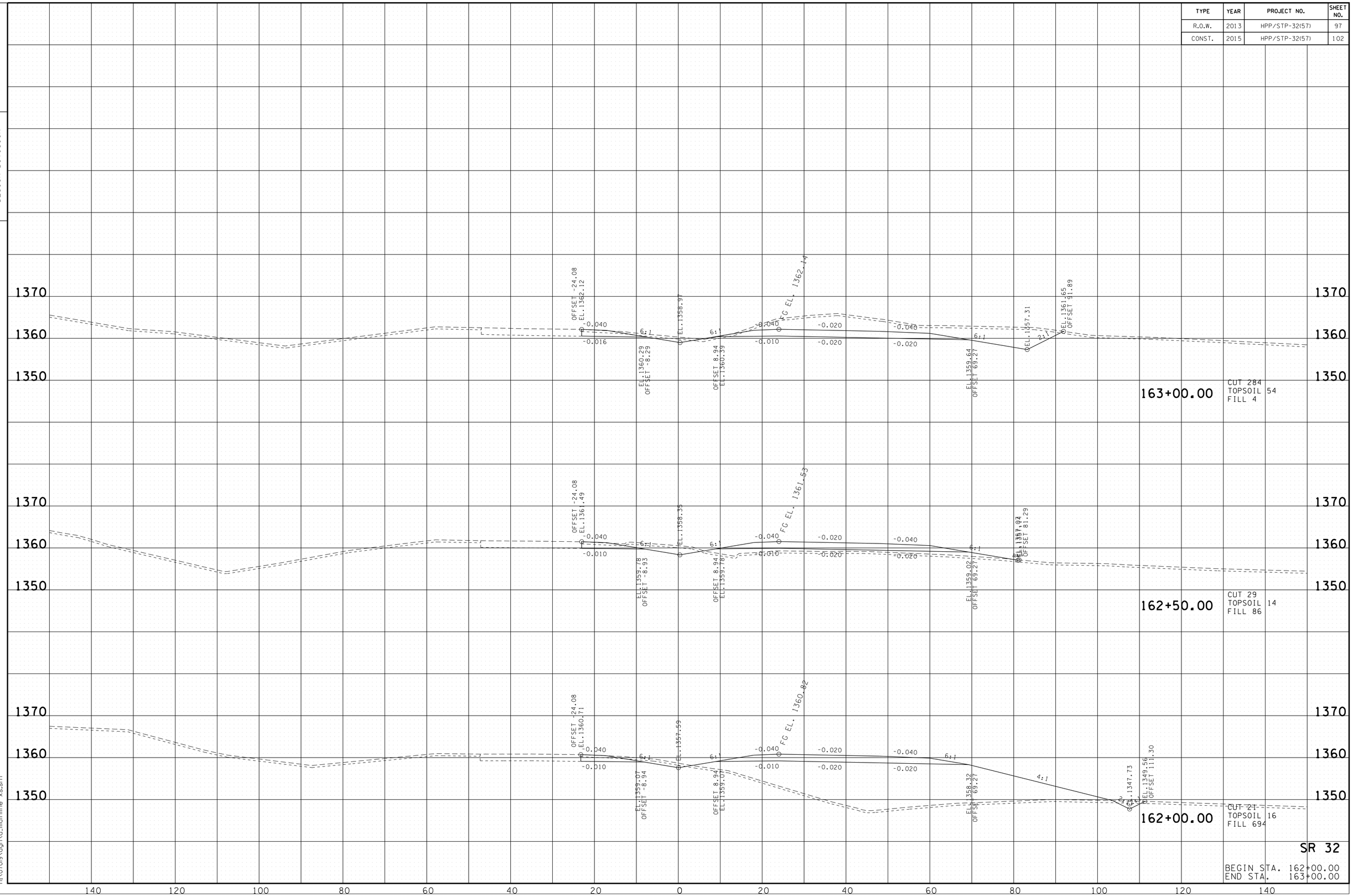
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	97
CONST.	2015	HPP/STP-32(57)	102



SR 32

BEGIN STA. 162+00.00
END STA. 163+00.00

10/20/2014
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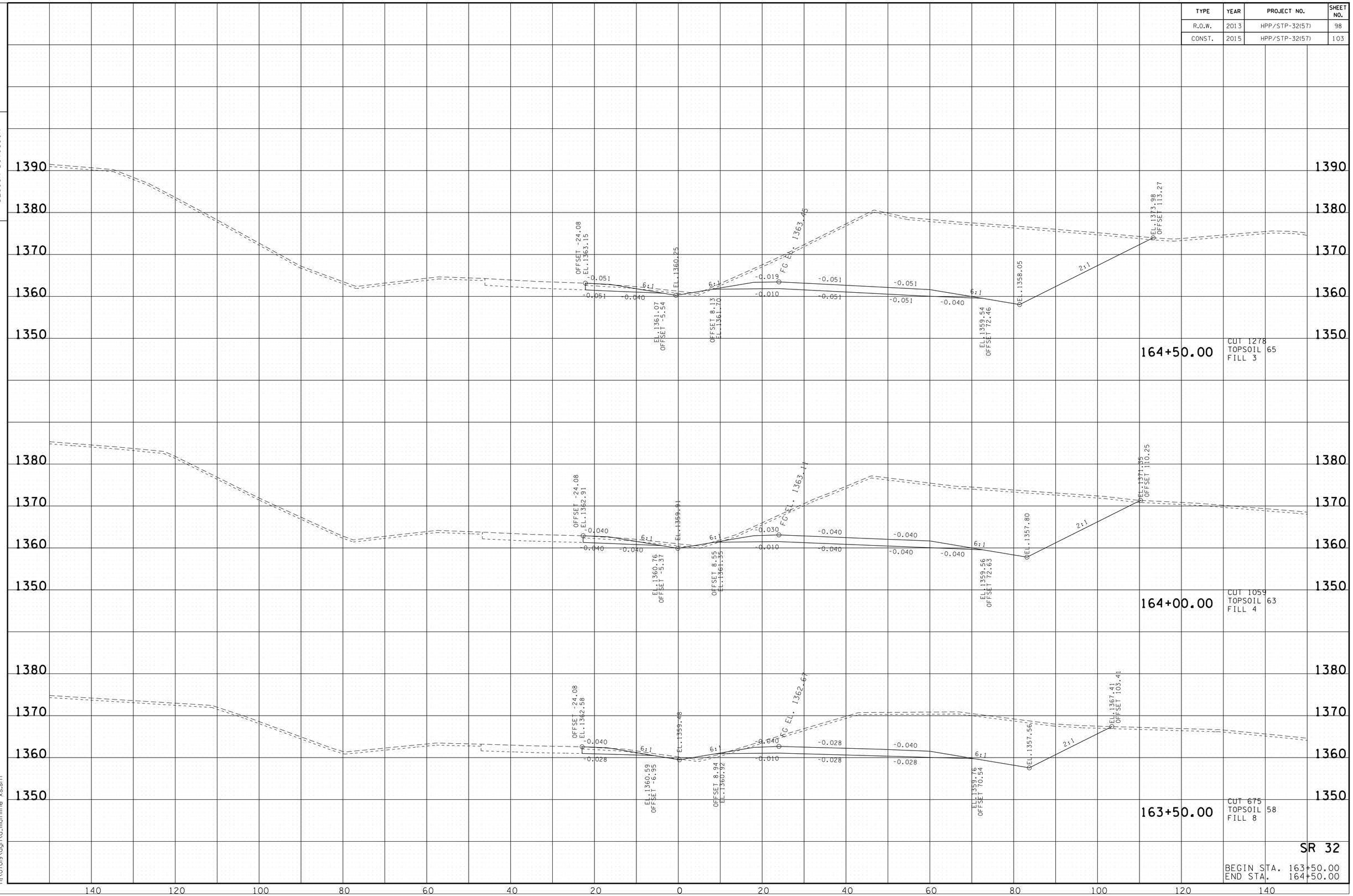
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	98
CONST.	2015	HPP/STP-32(57)	103



SR 32

BEGIN STA. 163+50.00
END STA. 164+50.00

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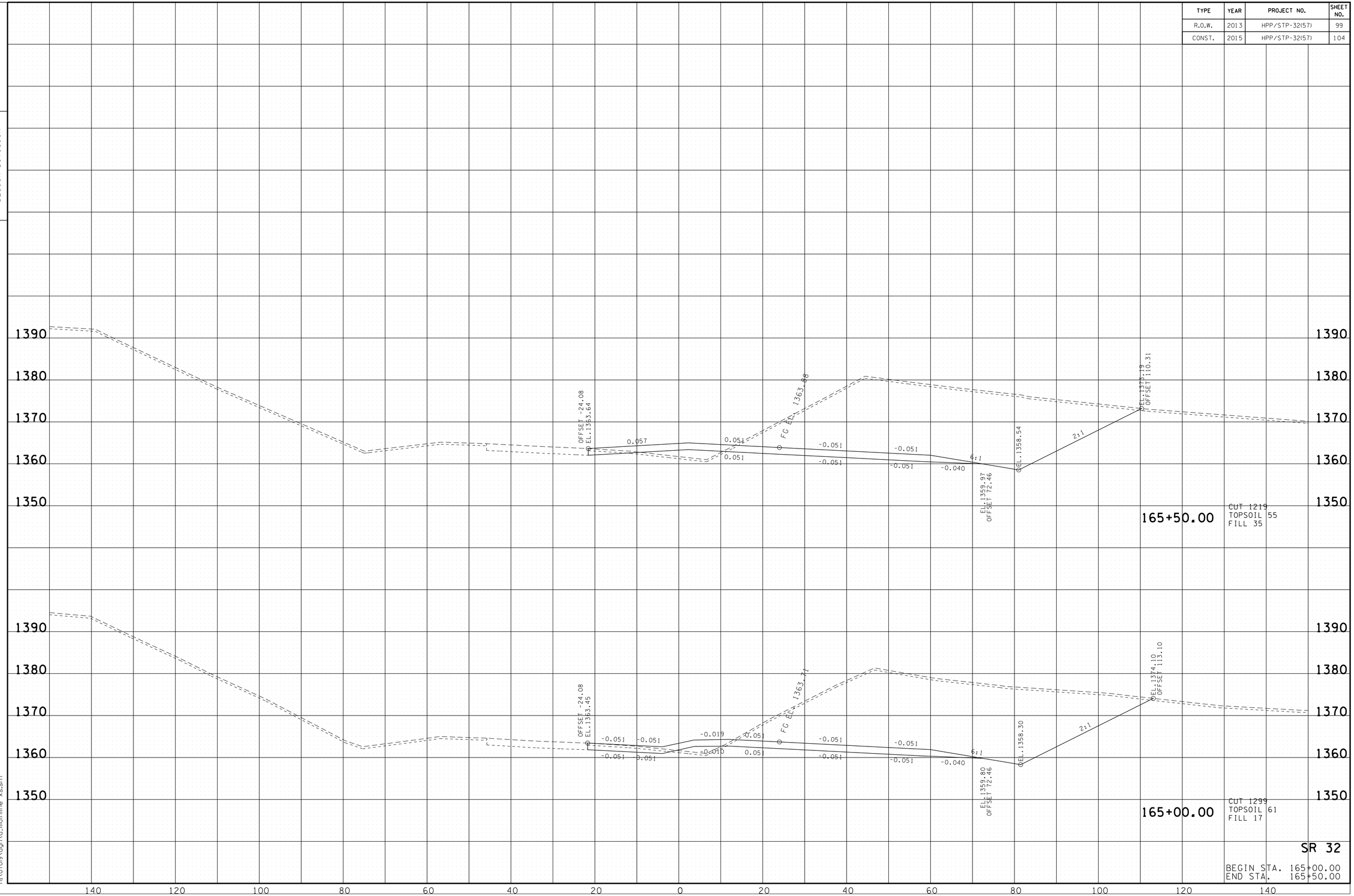
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	99
CONST.	2015	HPP/STP-32(57)	104



SR 32

BEGIN STA. 165+00.00
END STA. 165+50.00

10/20/2014
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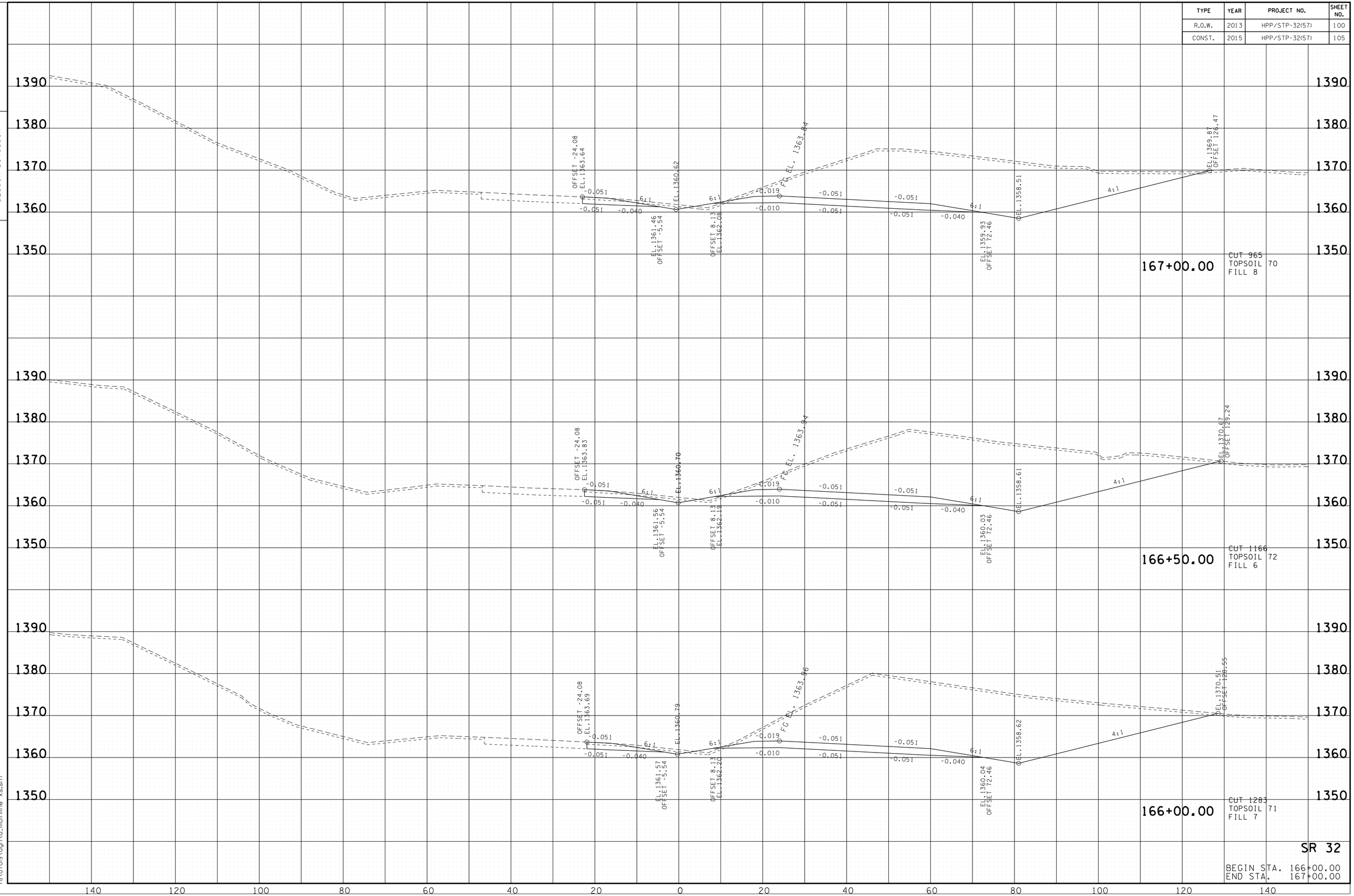
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	100
CONST.	2015	HPP/STP-32(57)	105



SR 32

BEGIN STA. 166+00.00
END STA. 167+00.00

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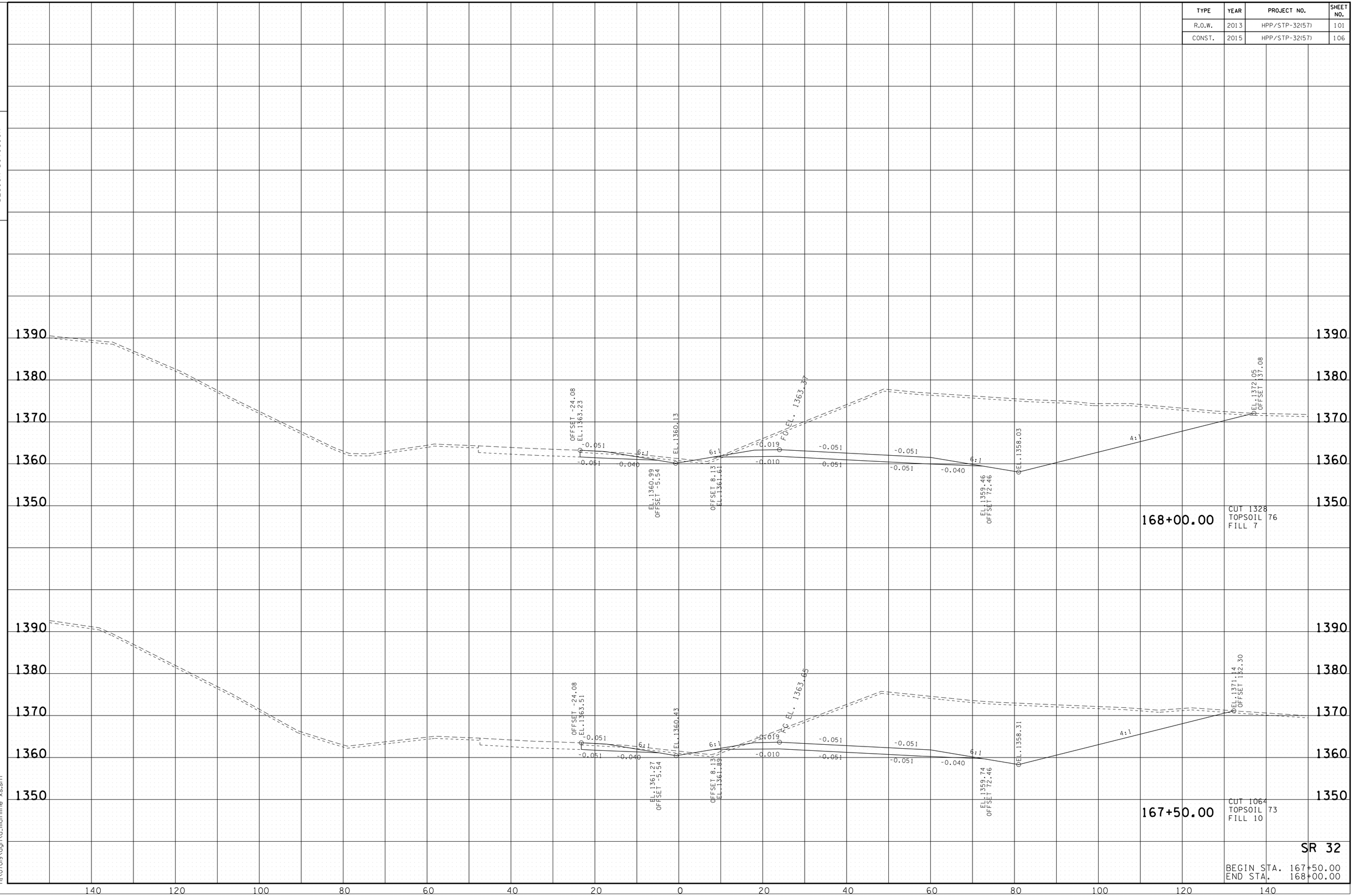
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	101
CONST.	2015	HPP/STP-32(57)	106



SR 32

BEGIN STA. 167+50.00
END STA. 168+00.00

10/20/2014
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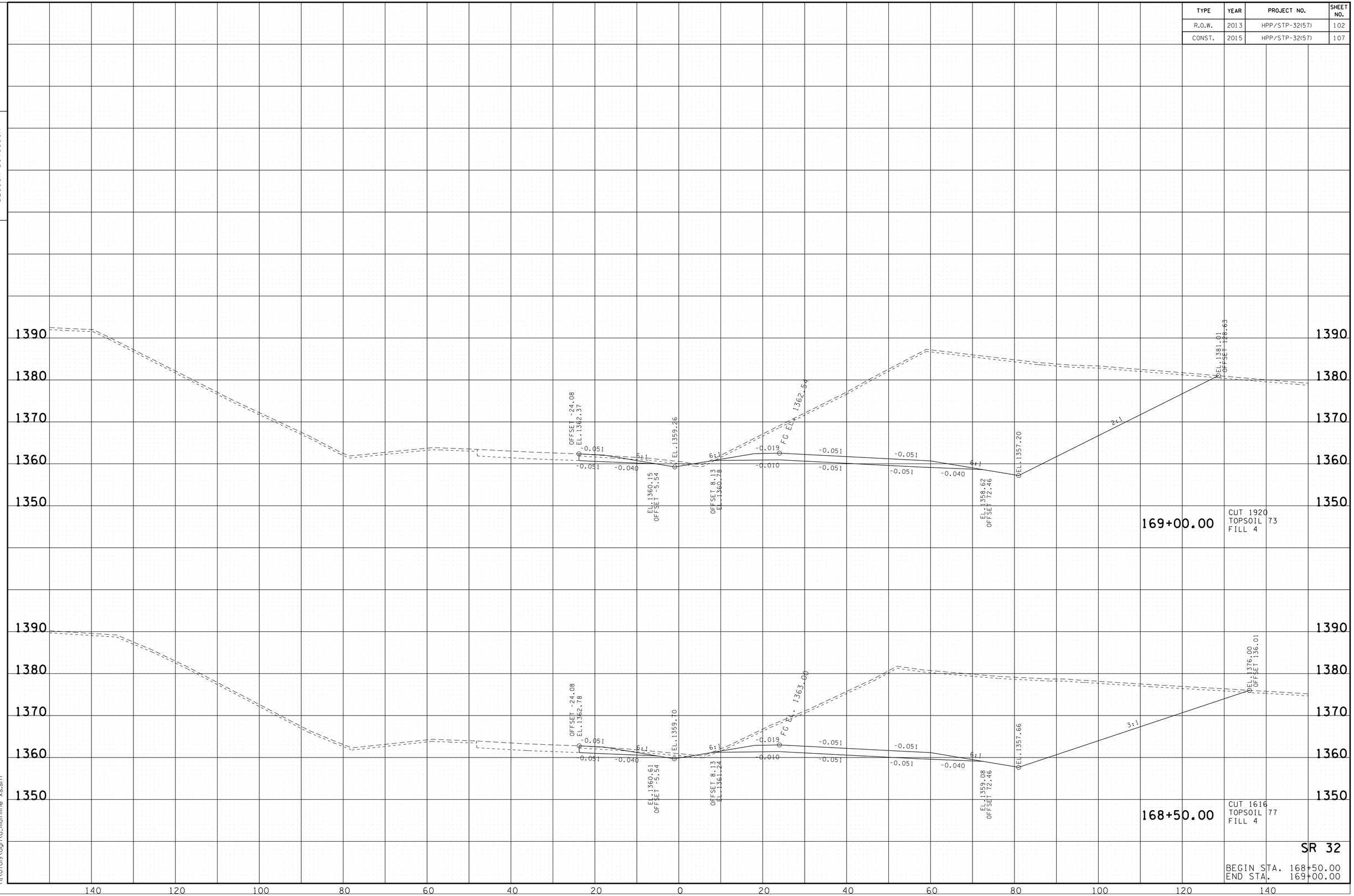
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	102
CONST.	2015	HPP/STP-32(57)	107



SR 32

BEGIN STA. 168+50.00
END STA. 169+00.00

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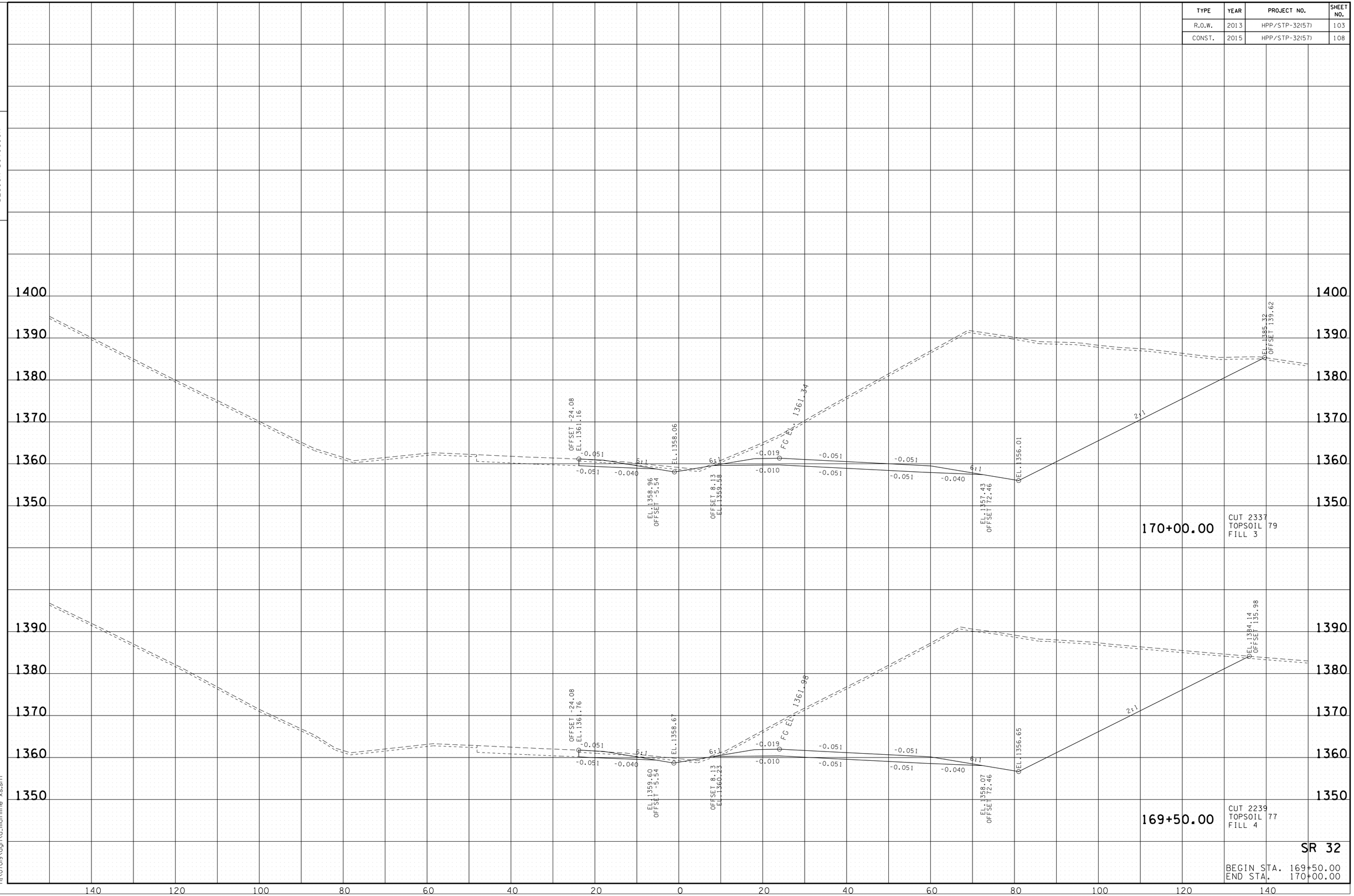
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	103
CONST.	2015	HPP/STP-32(57)	108



SR 32

BEGIN STA. 169+50.00
END STA. 170+00.00

10/20/2014
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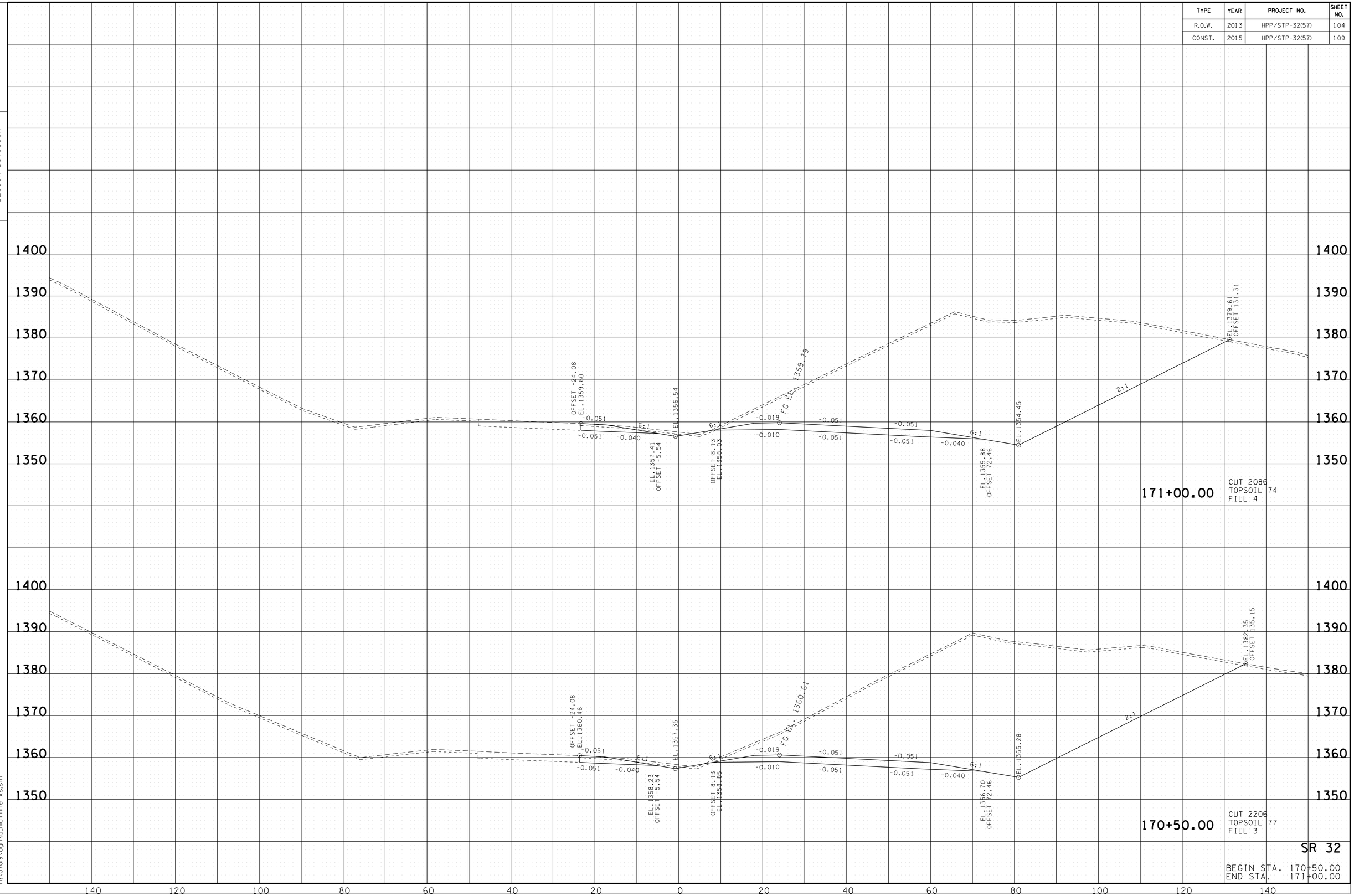
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	104
CONST.	2015	HPP/STP-32(57)	109



SR 32

BEGIN STA. 170+50.00
END STA. 171+00.00

10/20/2014
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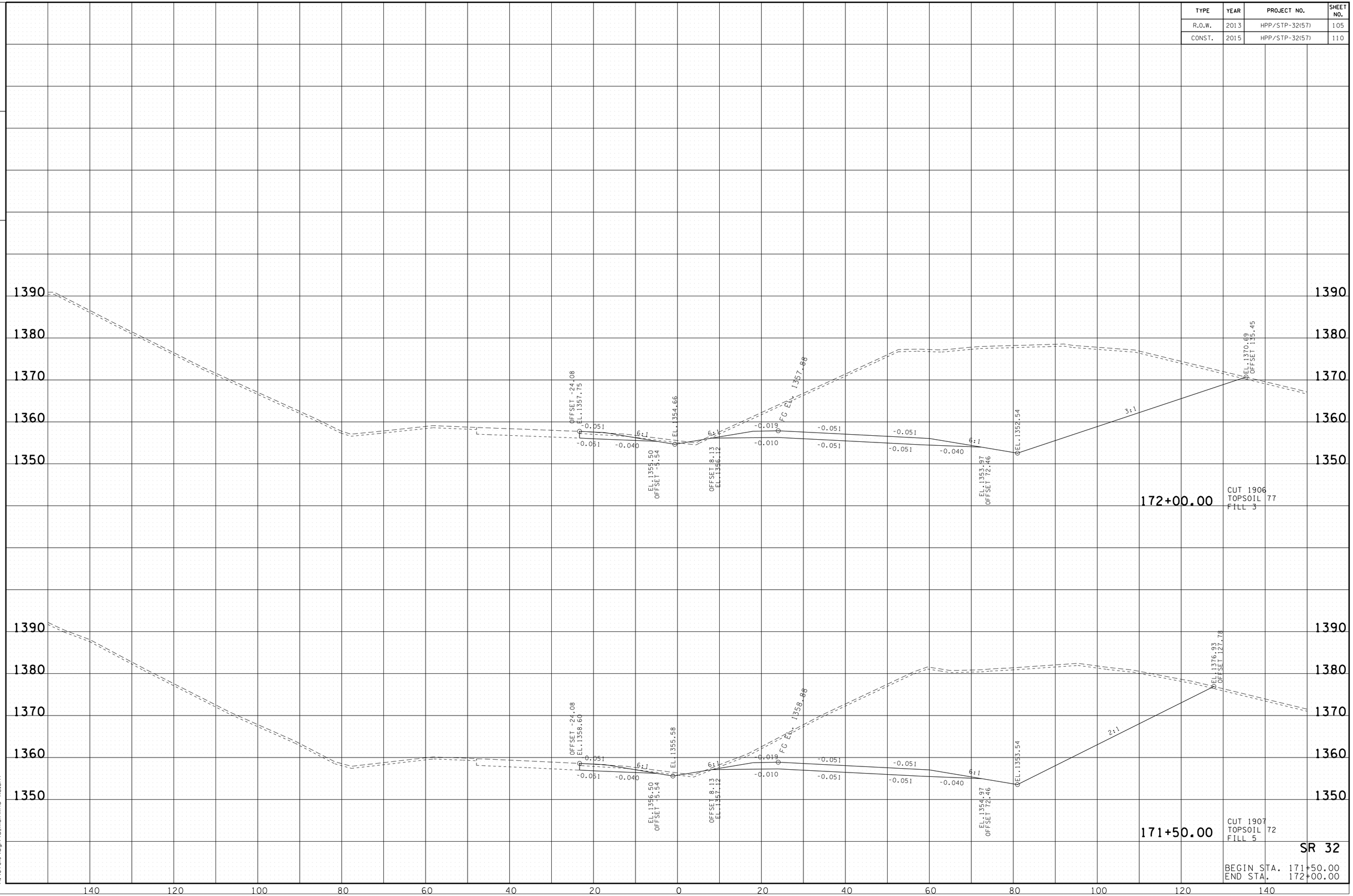
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	105
CONST.	2015	HPP/STP-32(57)	110



SR 32

BEGIN STA. 171+50.00
END STA. 172+00.00

10/20/2014
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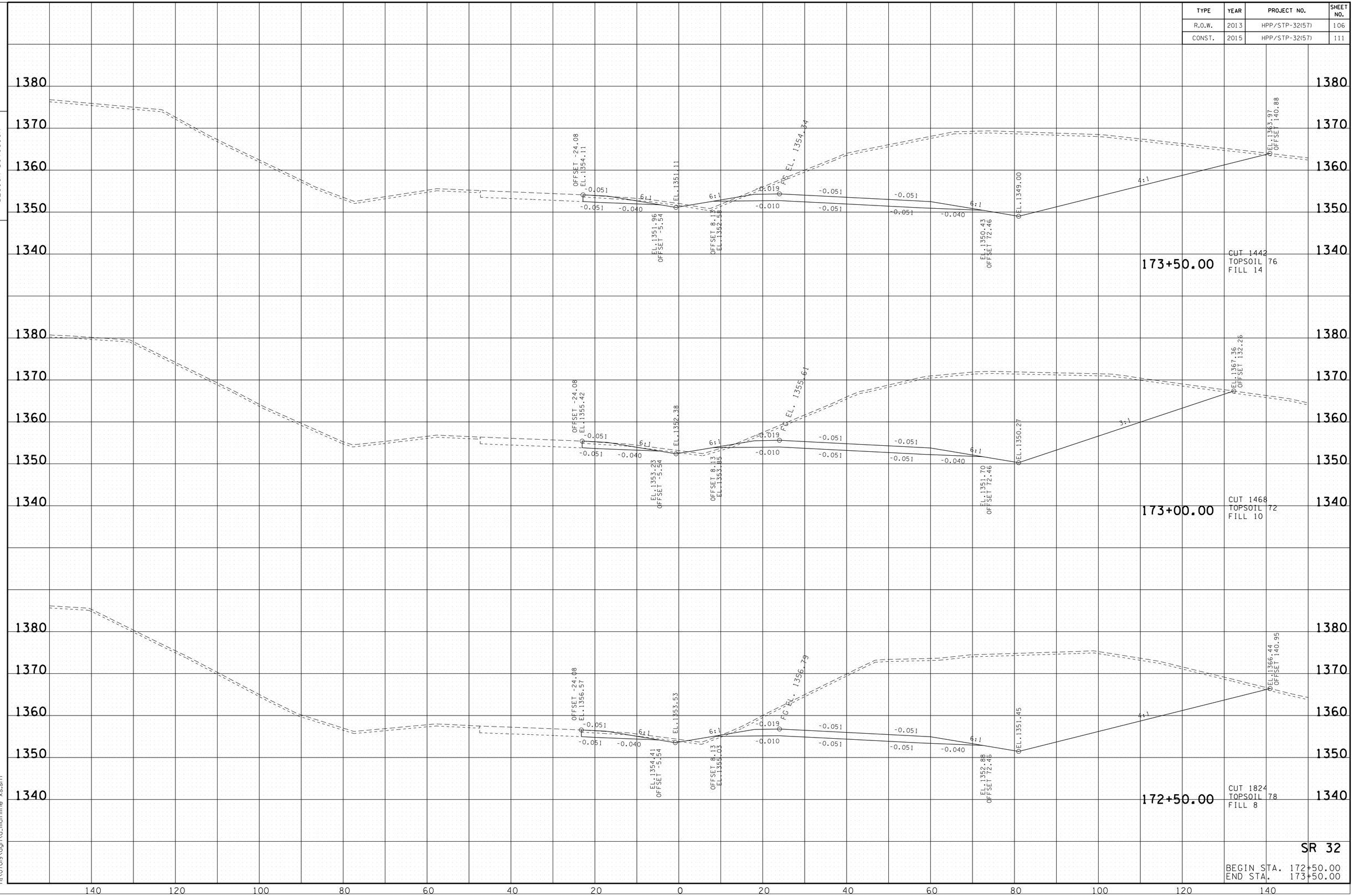
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	106
CONST.	2015	HPP/STP-32(57)	111



SR 32

BEGIN STA. 172+50.00
END STA. 173+50.00

10/20/2014
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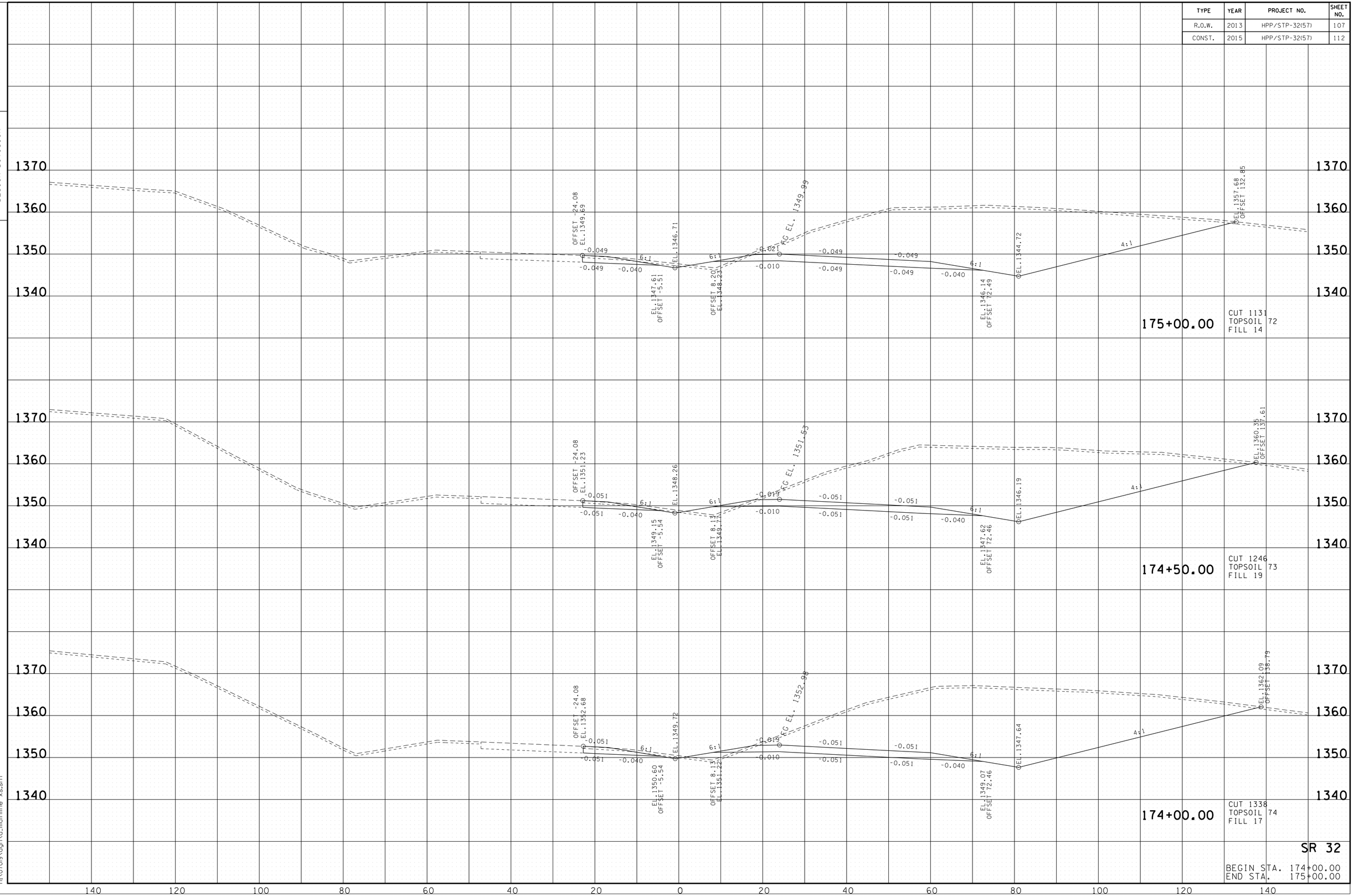
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	107
CONST.	2015	HPP/STP-32(57)	112



SR 32

BEGIN STA. 174+00.00
END STA. 175+00.00

10/20/2014
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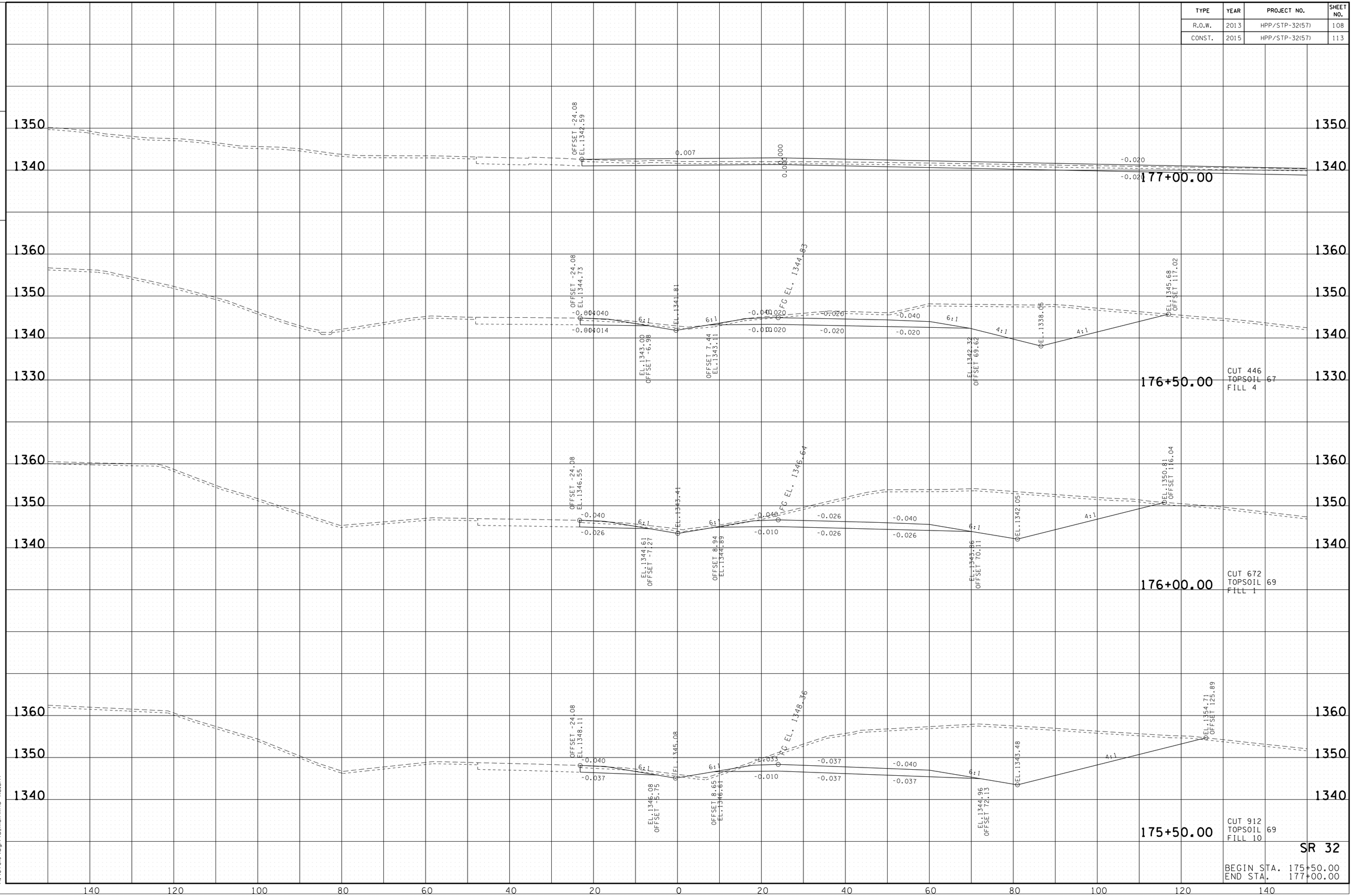
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	108
CONST.	2015	HPP/STP-32(57)	113



SR 32

BEGIN STA. 175+50.00
END STA. 177+00.00

10/20/2014
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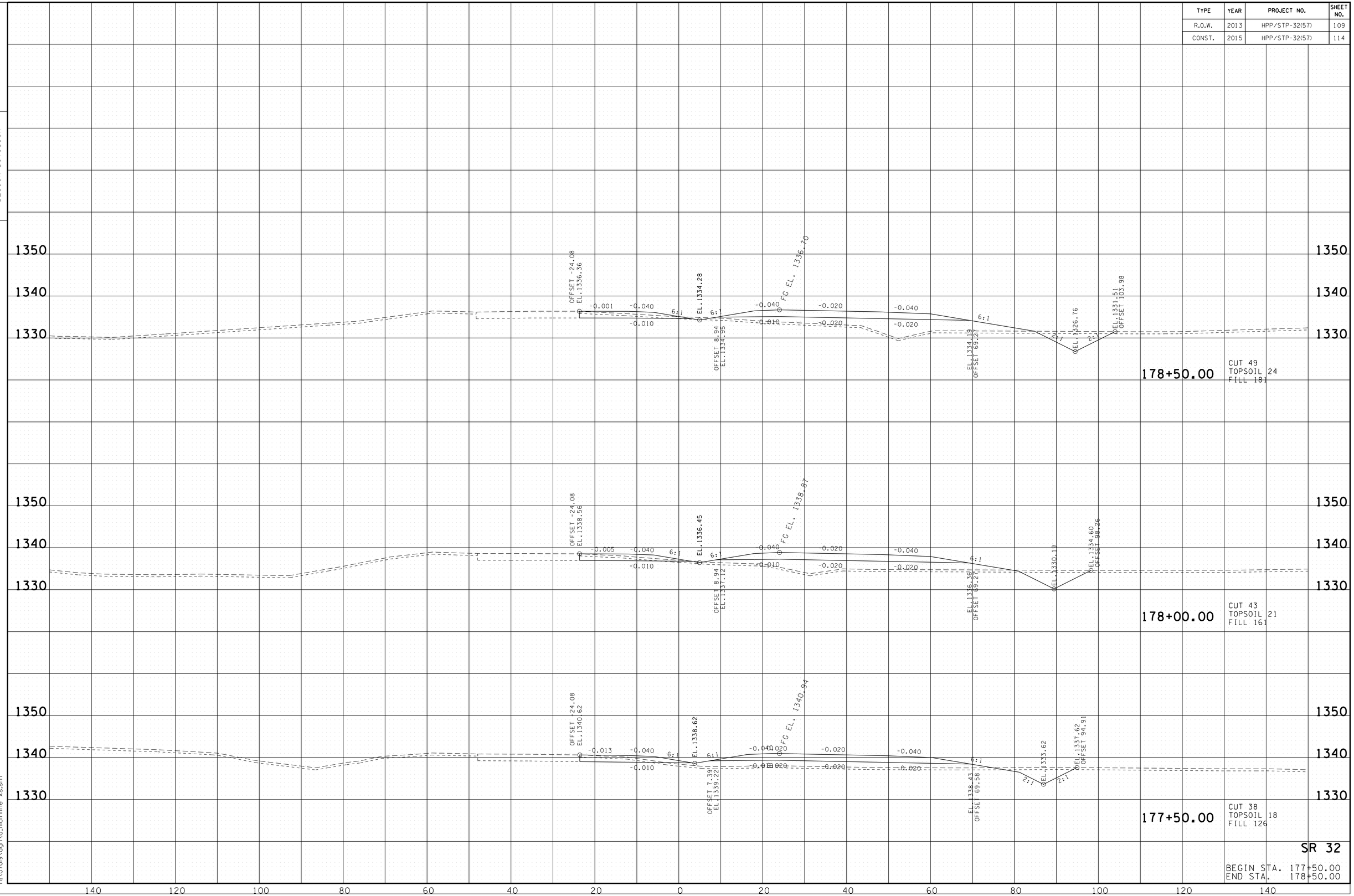
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	109
CONST.	2015	HPP/STP-32(57)	114



SR 32

BEGIN STA. 177+50.00
END STA. 178+50.00

10/20/2014
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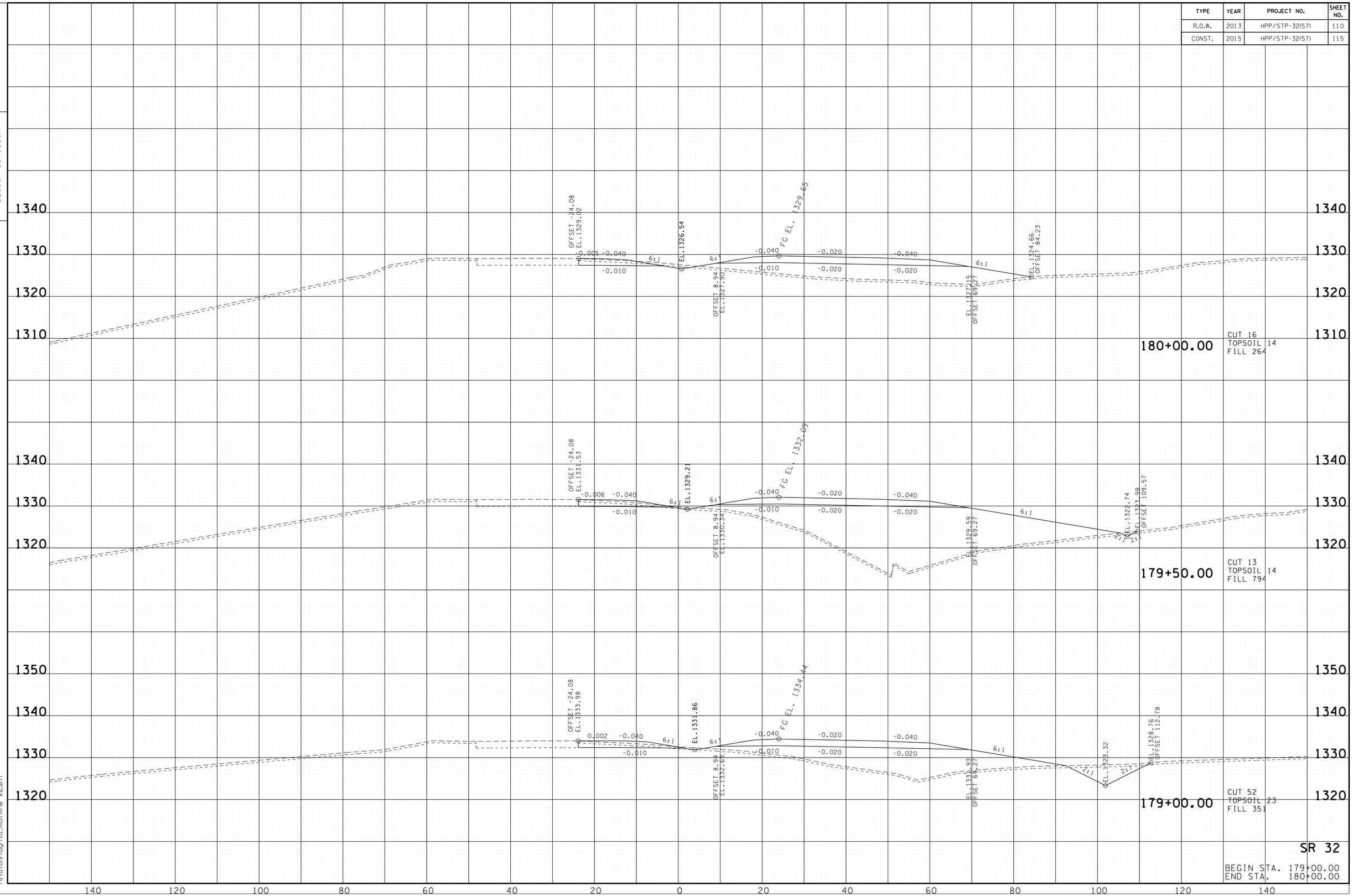
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	110
CONST.	2015	HPP/STP-32(57)	115



SR 32

BEGIN STA. 179+00.00
END STA. 180+00.00

10/20/2014
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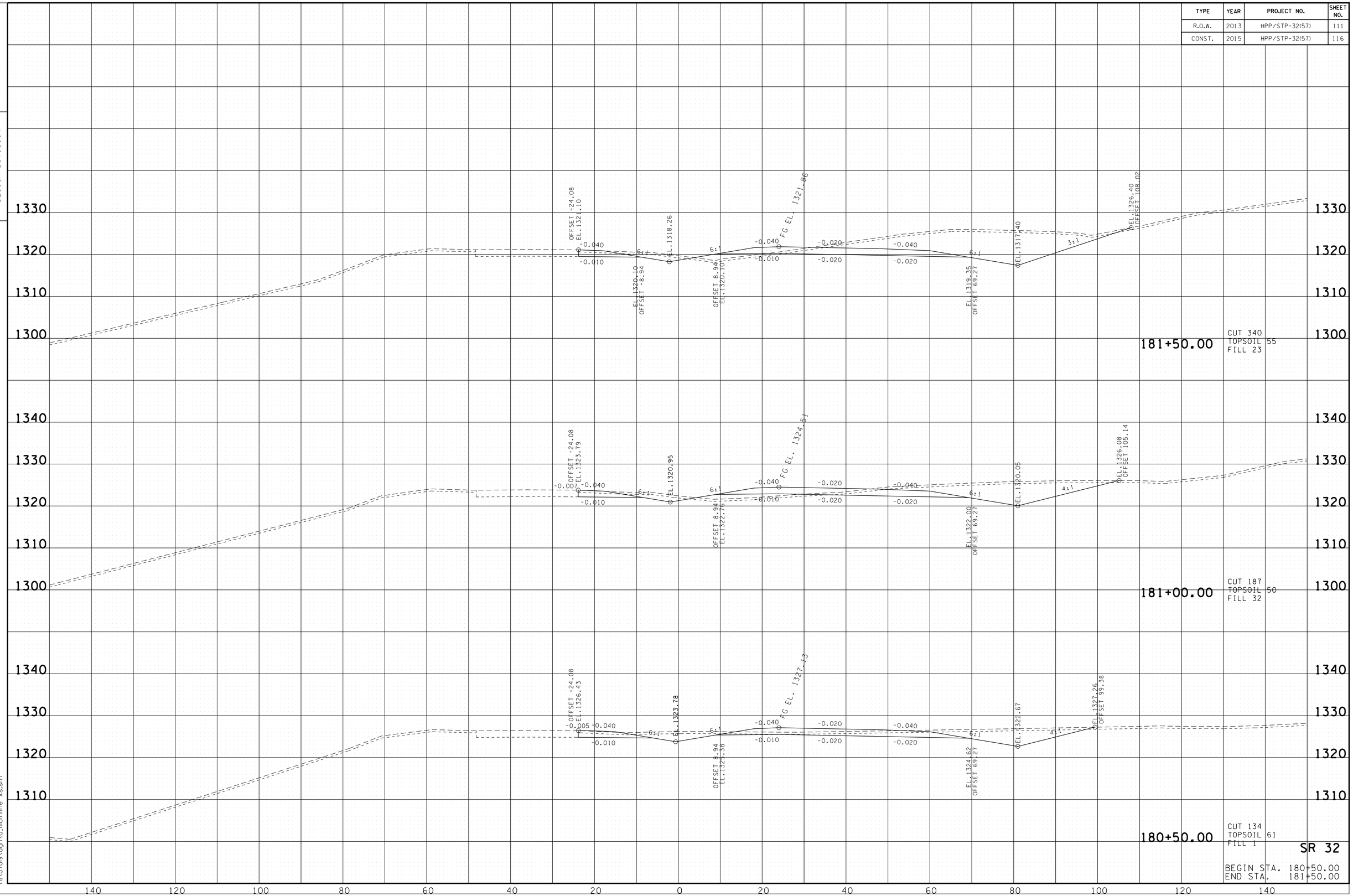
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	111
CONST.	2015	HPP/STP-32(57)	116



SR 32

BEGIN STA. 180+50.00
END STA. 181+50.00

10/20/2014
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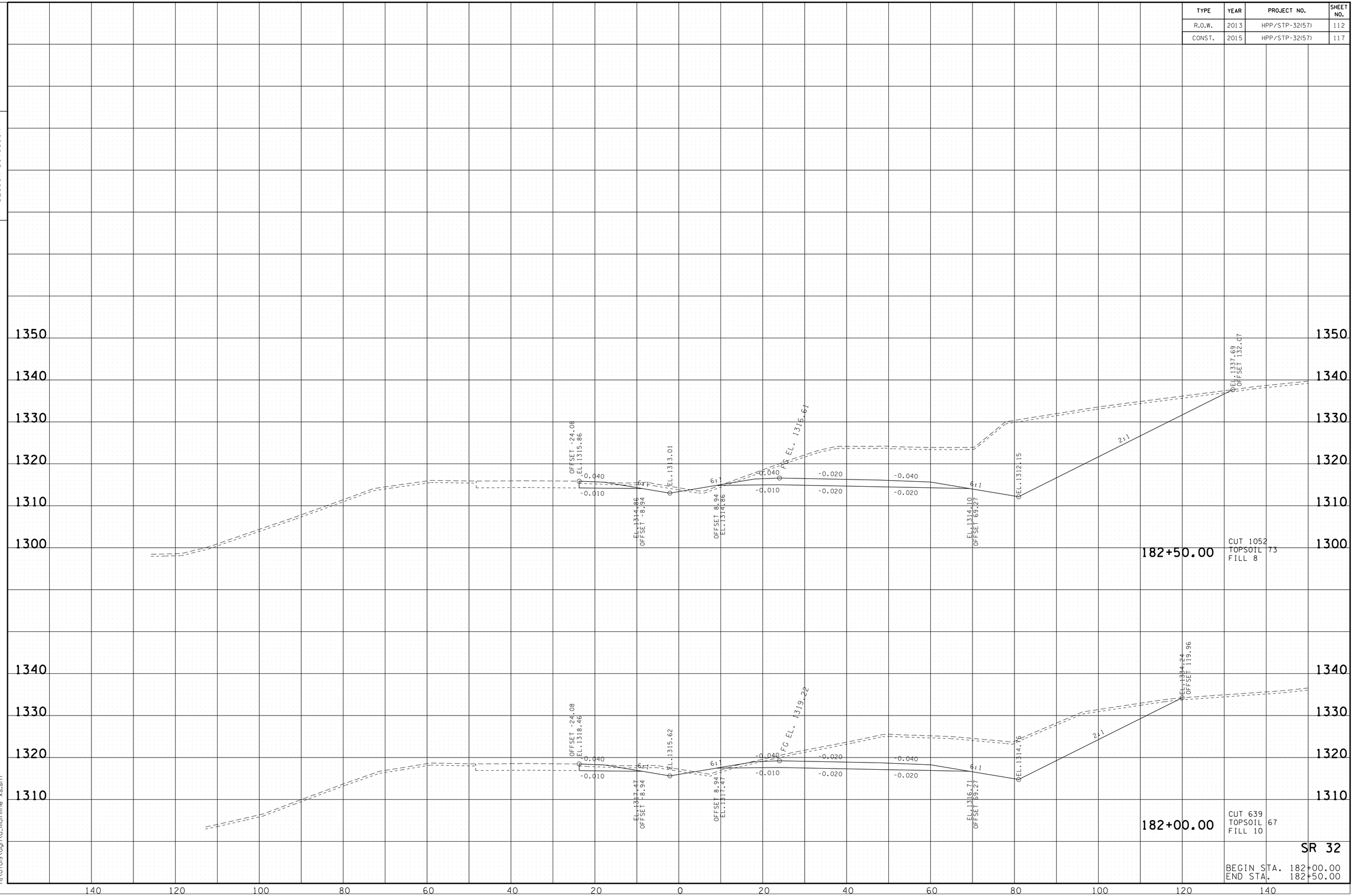
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	112
CONST.	2015	HPP/STP-32(57)	117



SR 32

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

10/20/2014
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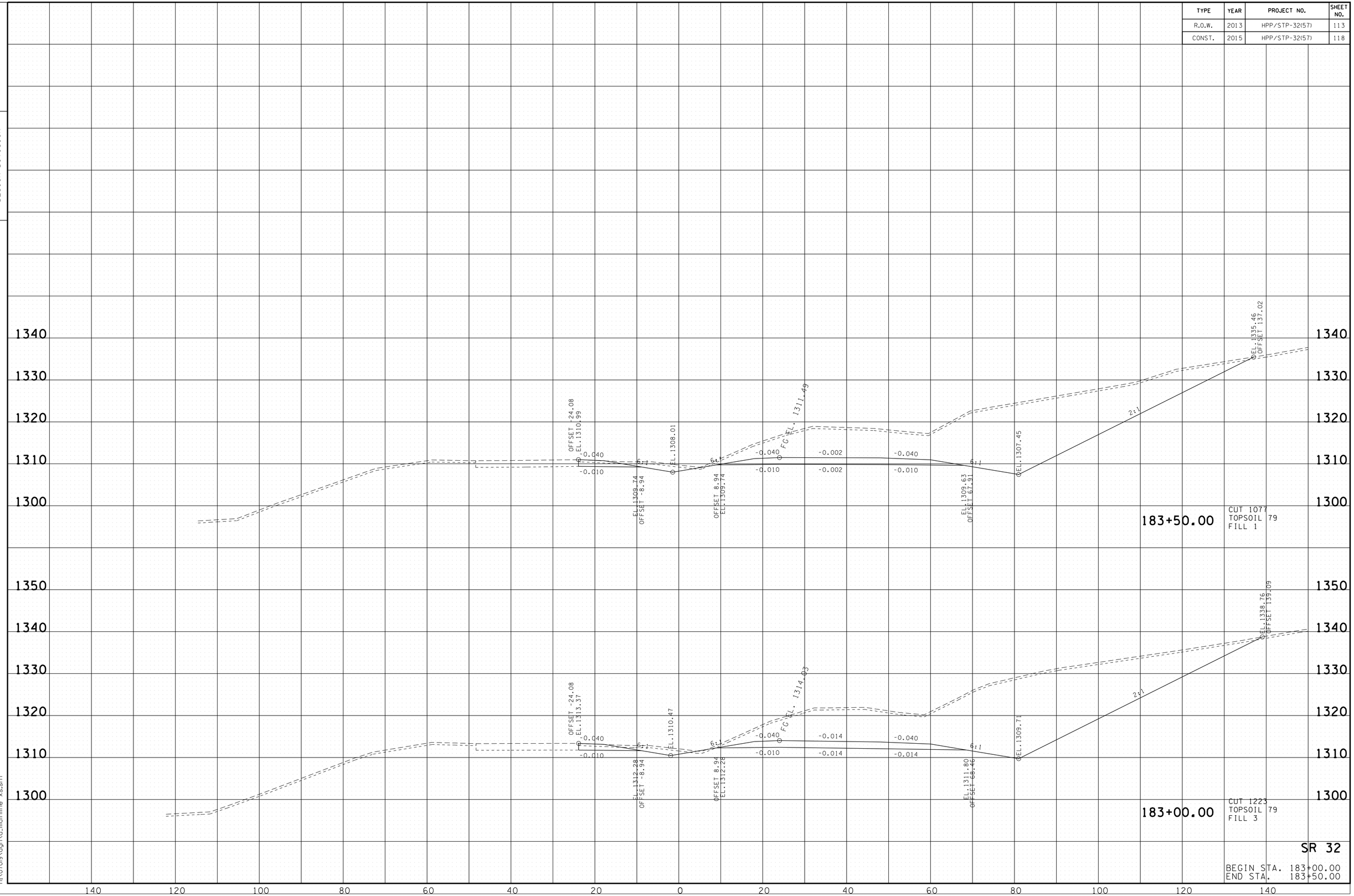
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	113
CONST.	2015	HPP/STP-32(57)	118



SR 32

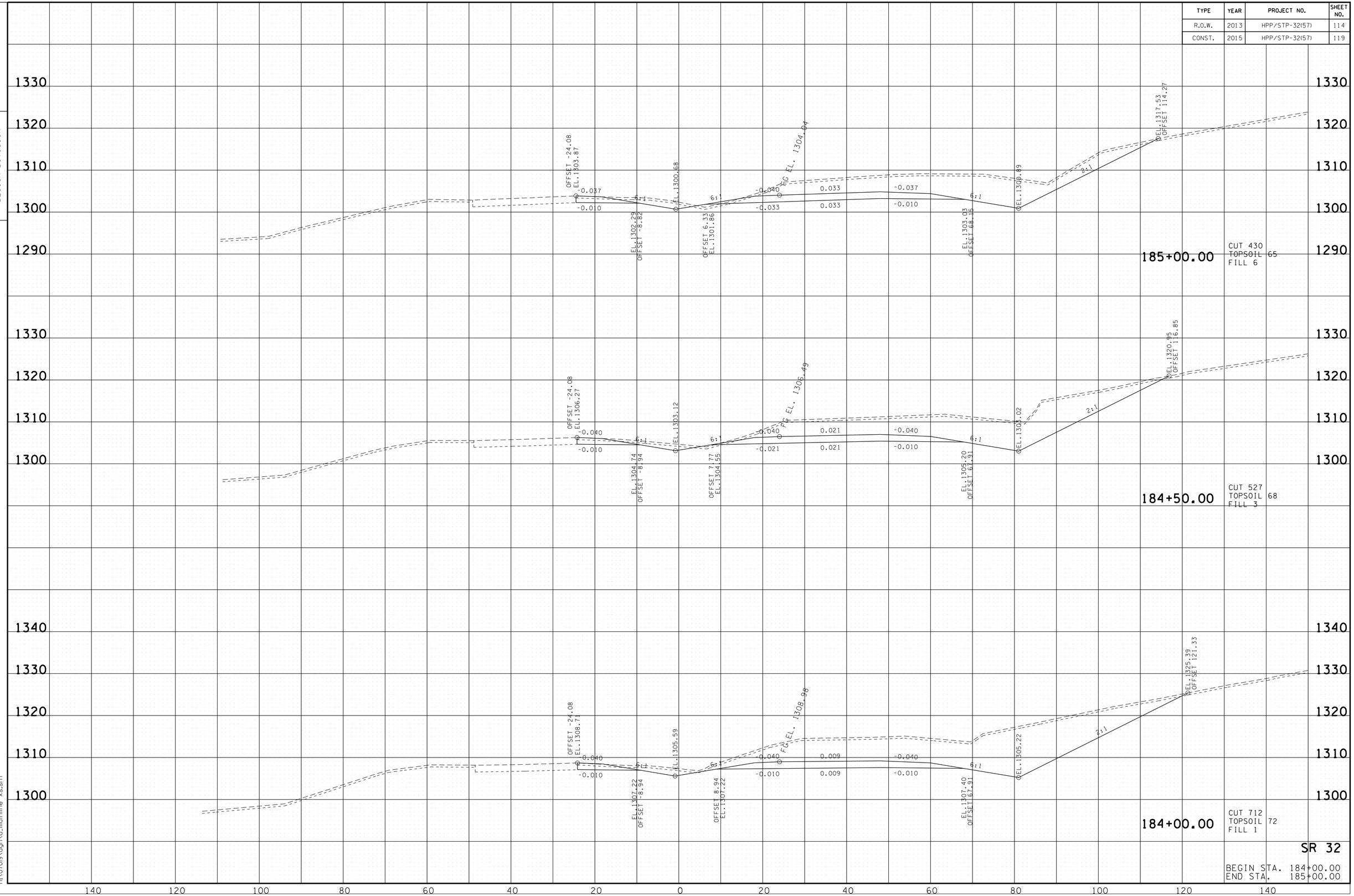
BEGIN STA. 183+00.00
END STA. 183+50.00

10/20/2014
h:\07019\dgn\a_mainline xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	114
CONST.	2015	HPP/STP-32(57)	119



SR 32

BEGIN STA. 184+00.00
END STA. 185+00.00

10/20/2014
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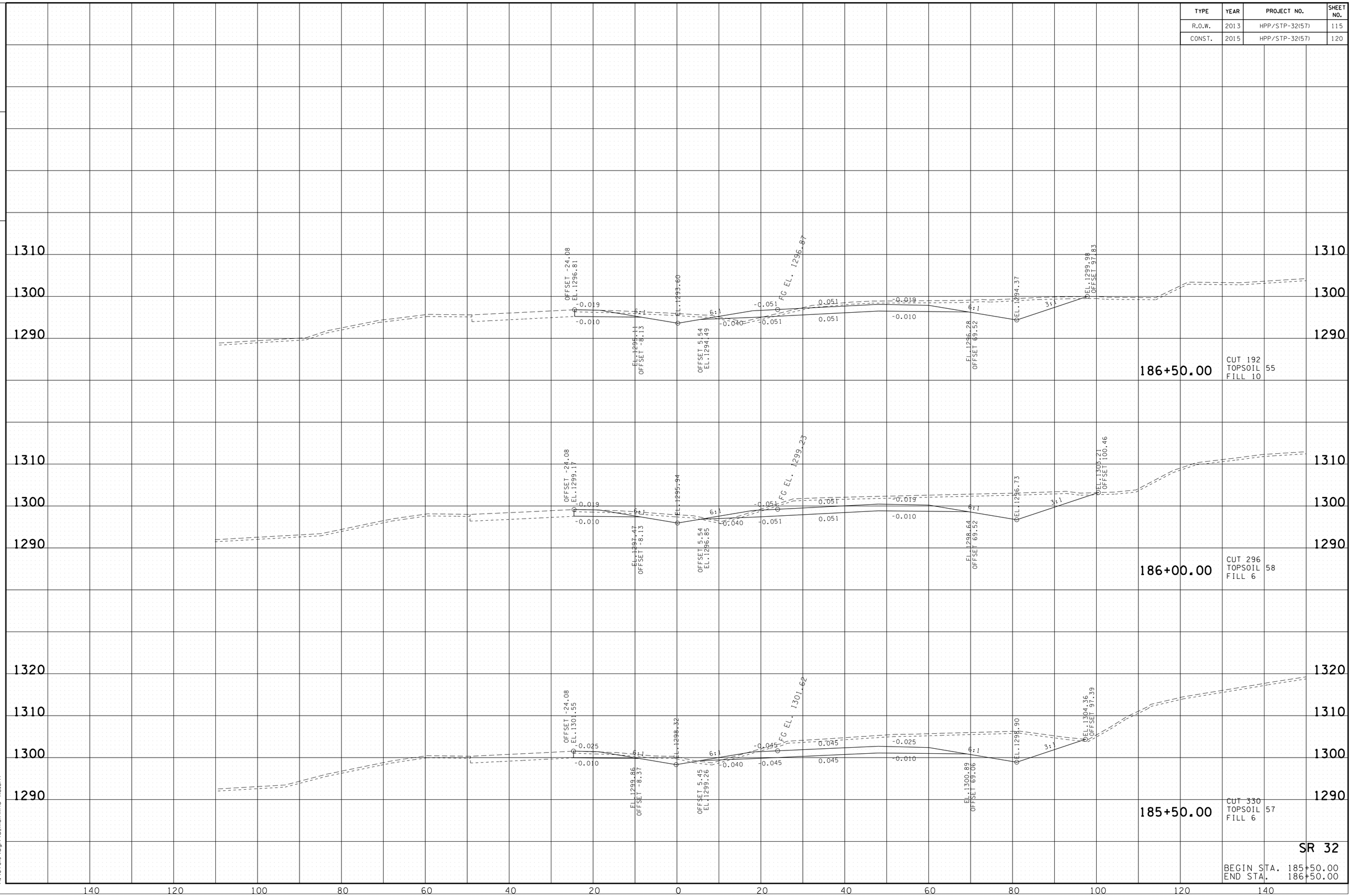
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	115
CONST.	2015	HPP/STP-32(57)	120



SR 32

BEGIN STA. 185+50.00
END STA. 186+50.00

10/20/2014
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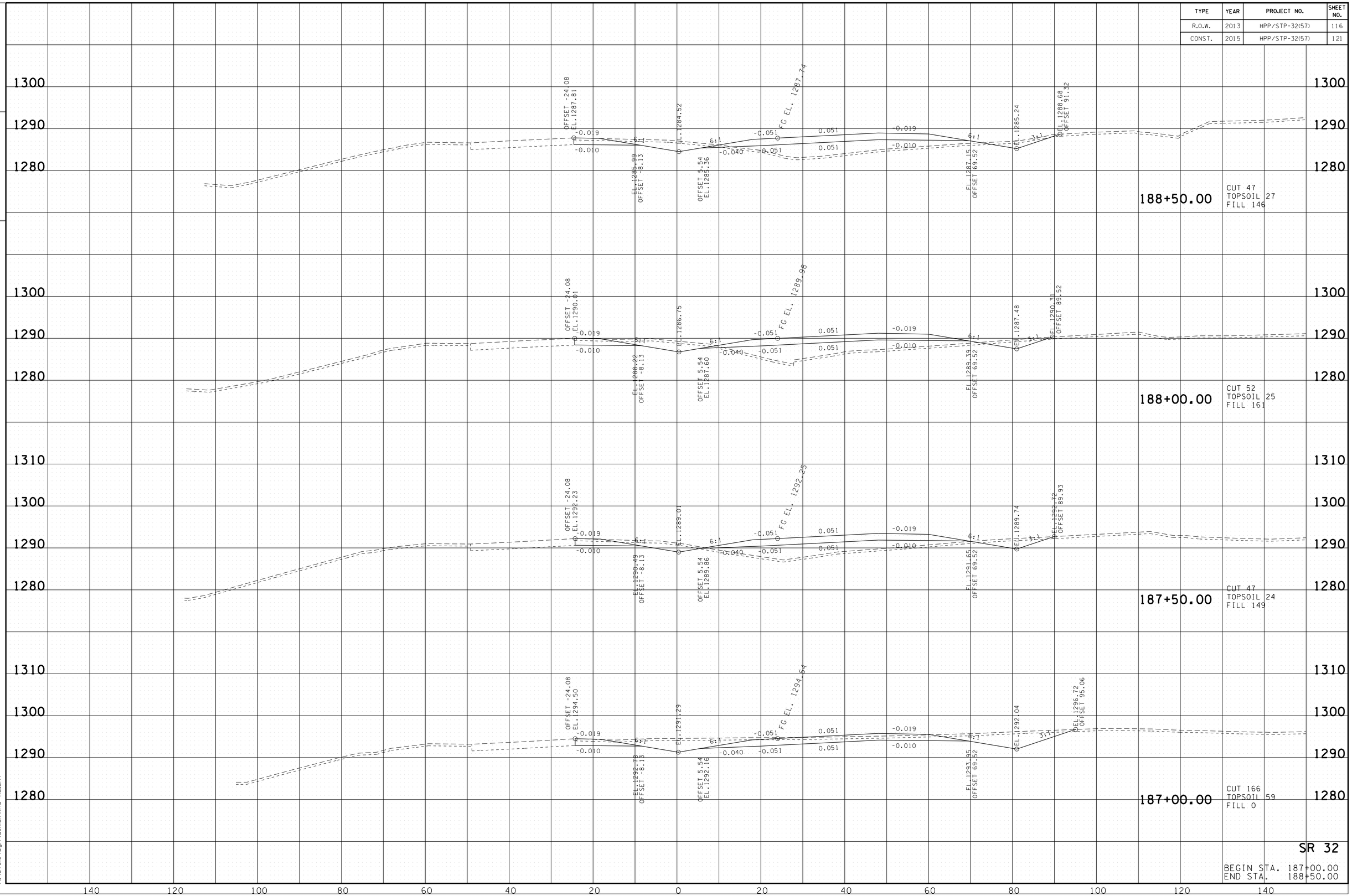
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	116
CONST.	2015	HPP/STP-32(57)	121



SR 32

BEGIN STA. 187+00.00
END STA. 188+50.00

10/20/2014
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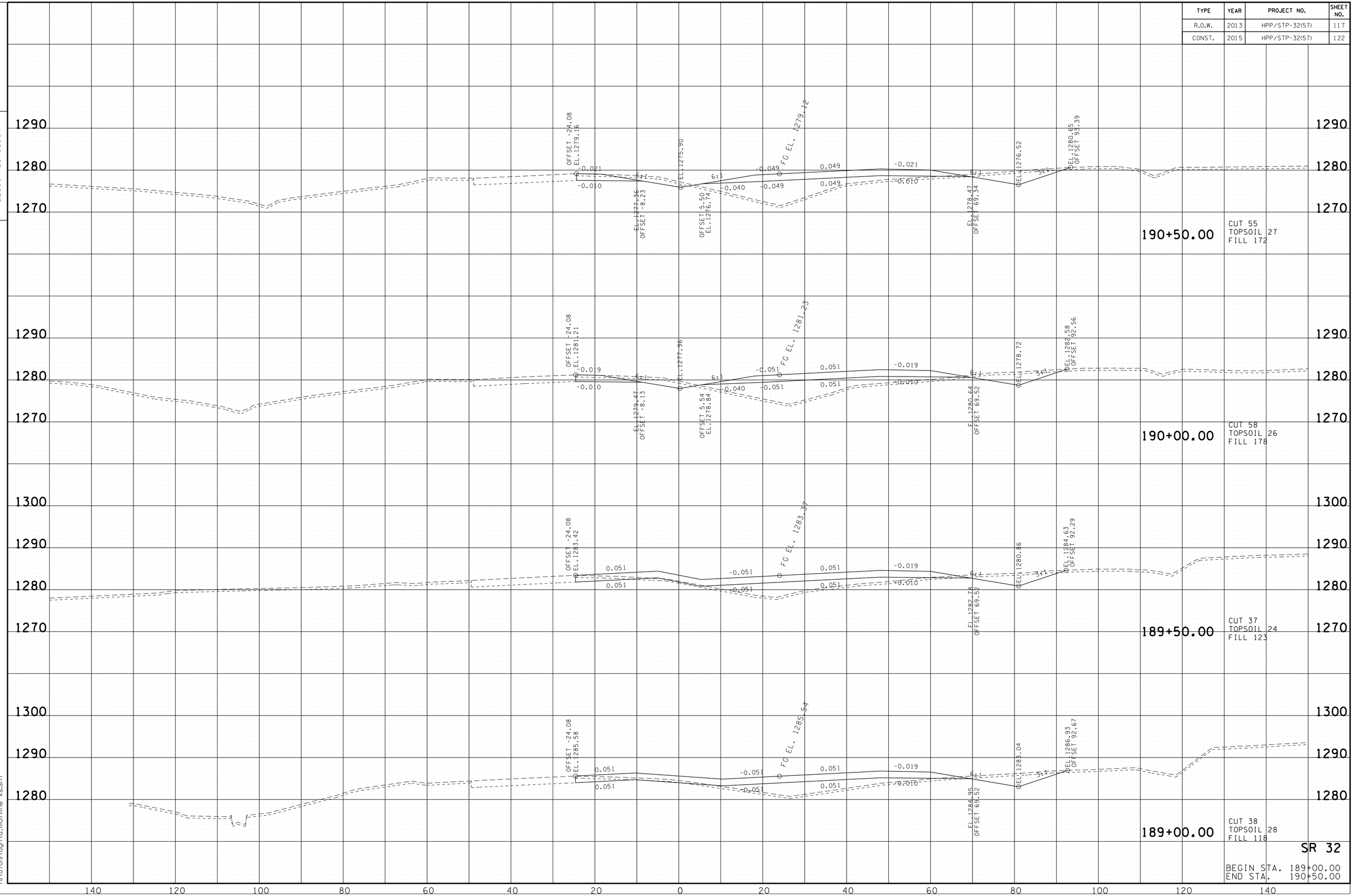
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	117
CONST.	2015	HPP/STP-32(57)	122



SR 32

BEGIN STA. 189+00.00
END STA. 190+50.00

10/20/2014
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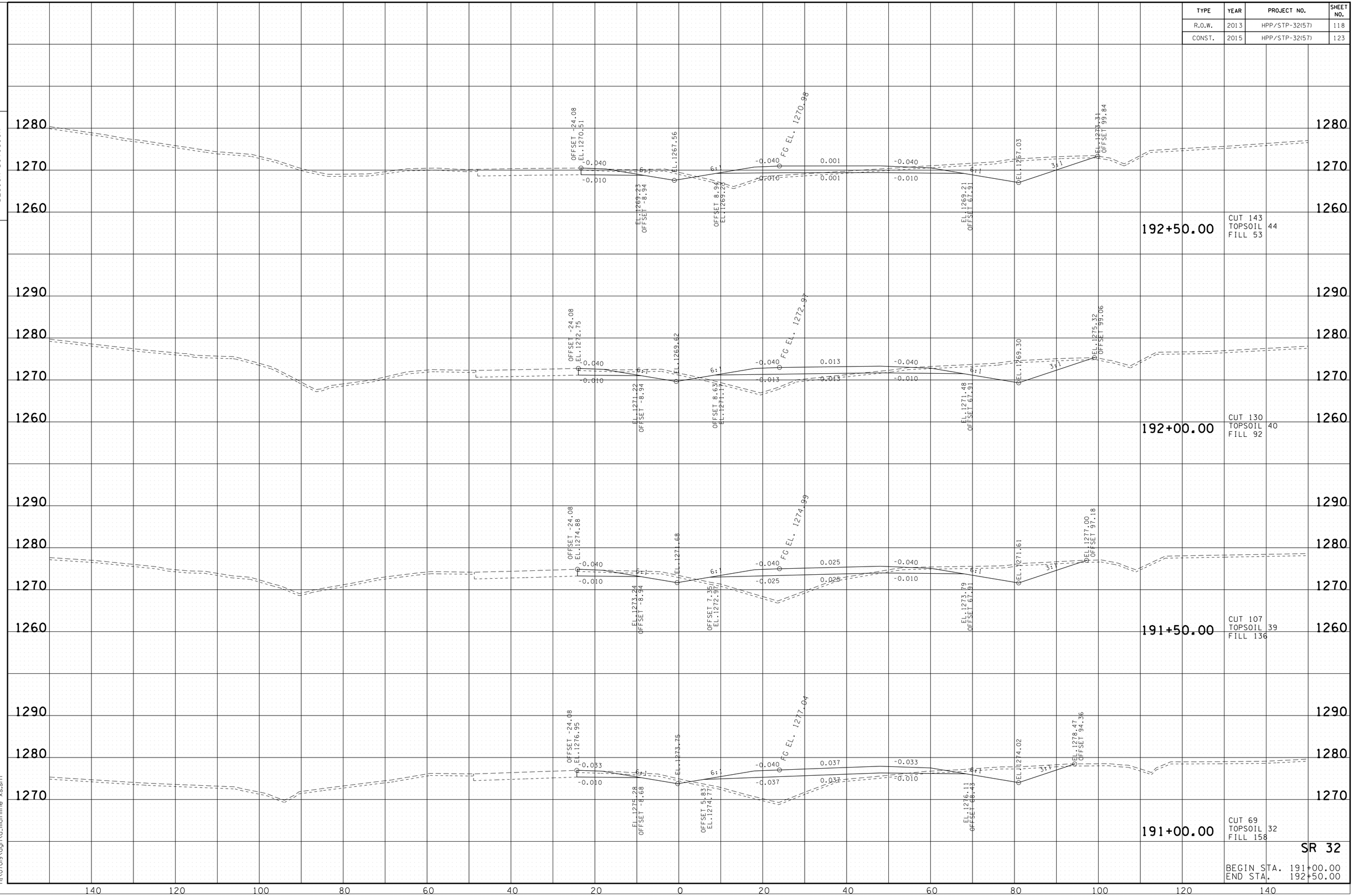
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	118
CONST.	2015	HPP/STP-32(57)	123



SR 32

BEGIN STA. 191+00.00
END STA. 192+50.00

10/20/2014
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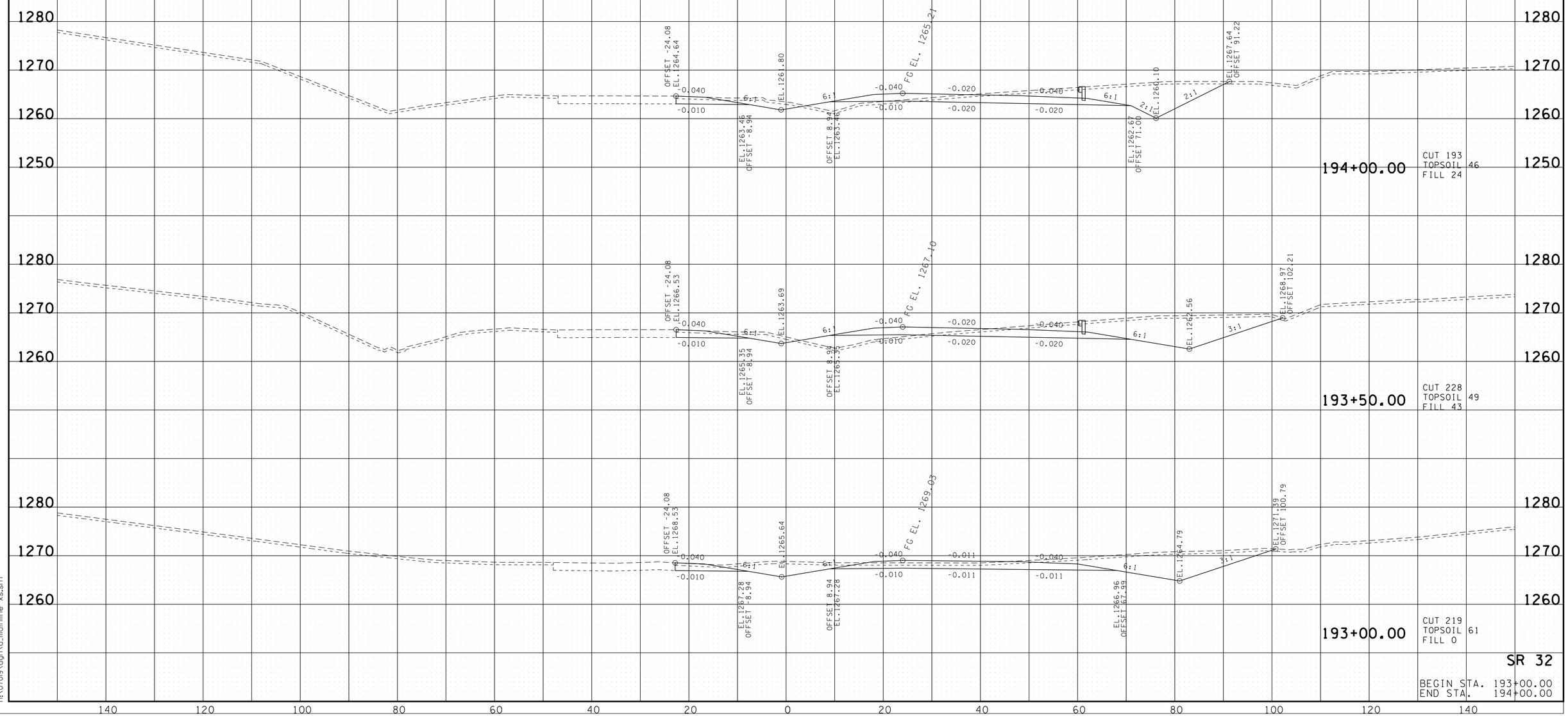
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	119
CONST.	2015	HPP/STP-32(57)	124



SR 32

BEGIN STA. 193+00.00
END STA. 194+00.00

10/20/2014
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TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	120
CONST.	2015	HPP/STP-32(57)	125

SR 32

BEGIN STA. 194+50.00
END STA. 195+50.00

10/20/2014
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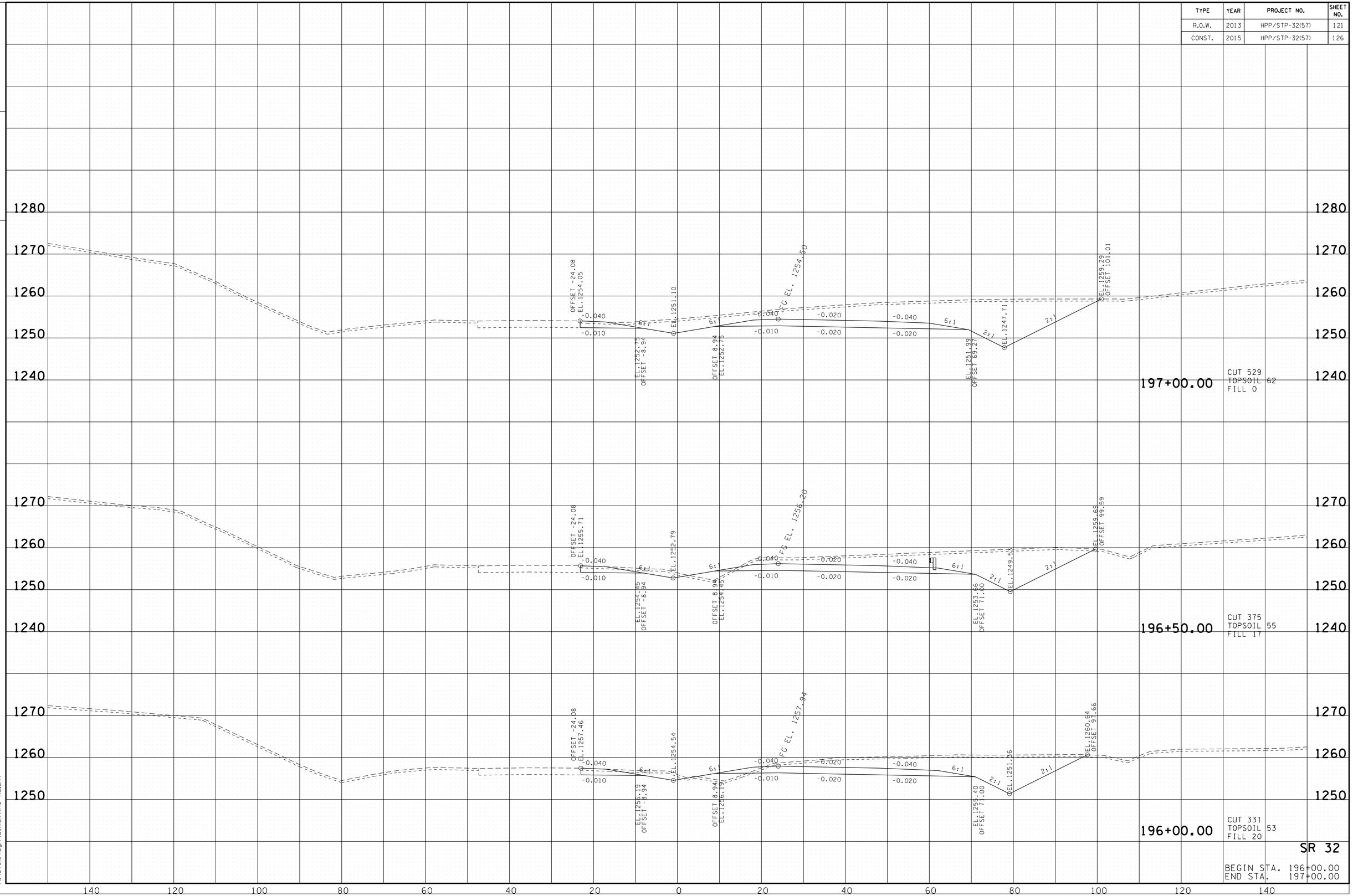
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	121
CONST.	2015	HPP/STP-32(57)	126



SR 32

BEGIN STA. 196+00.00
END STA. 197+00.00

10/20/2014
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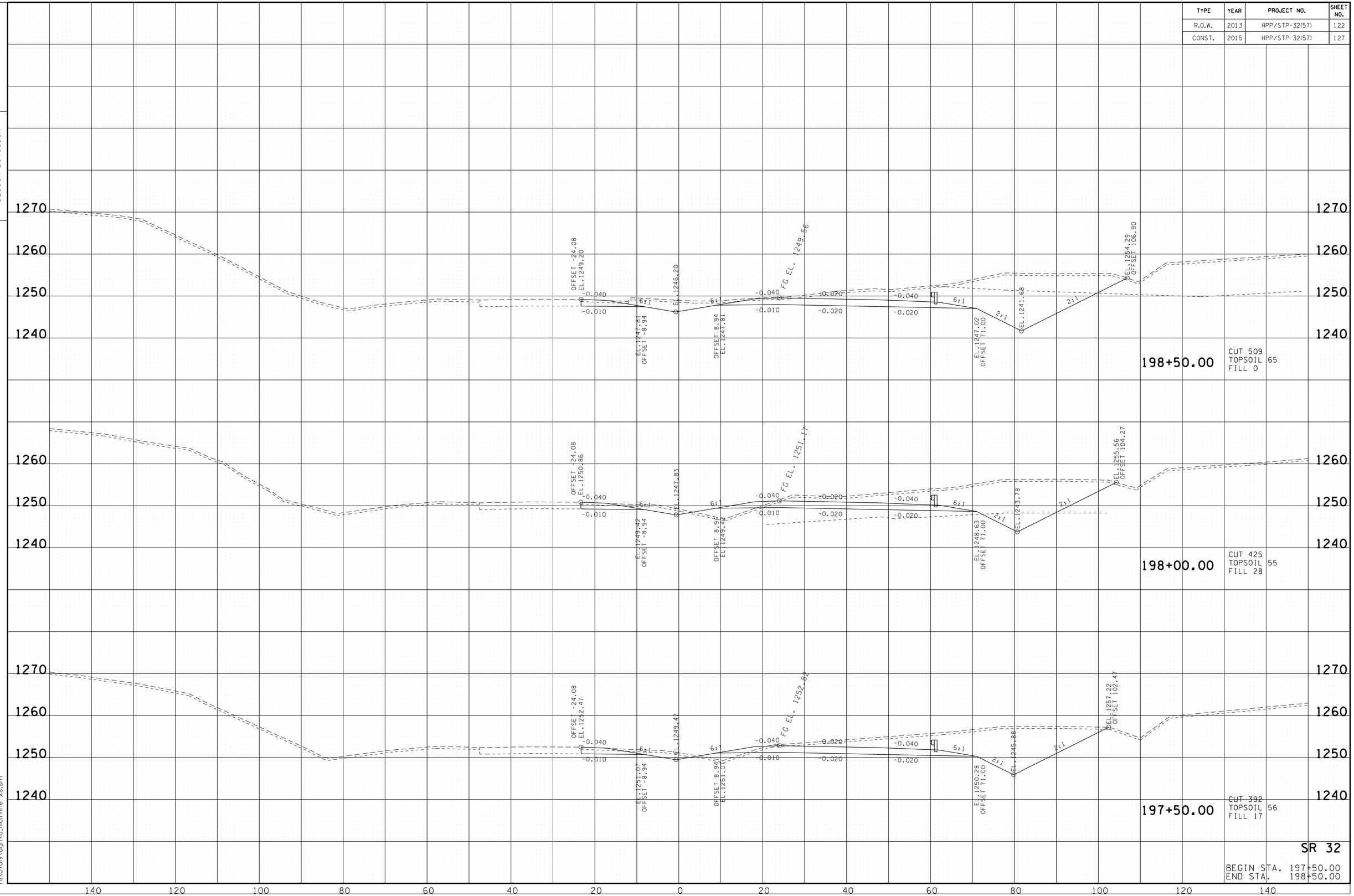
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	122
CONST.	2015	HPP/STP-32(57)	127



SR 32

BEGIN STA. 197+50.00
END STA. 198+50.00

10/20/2014
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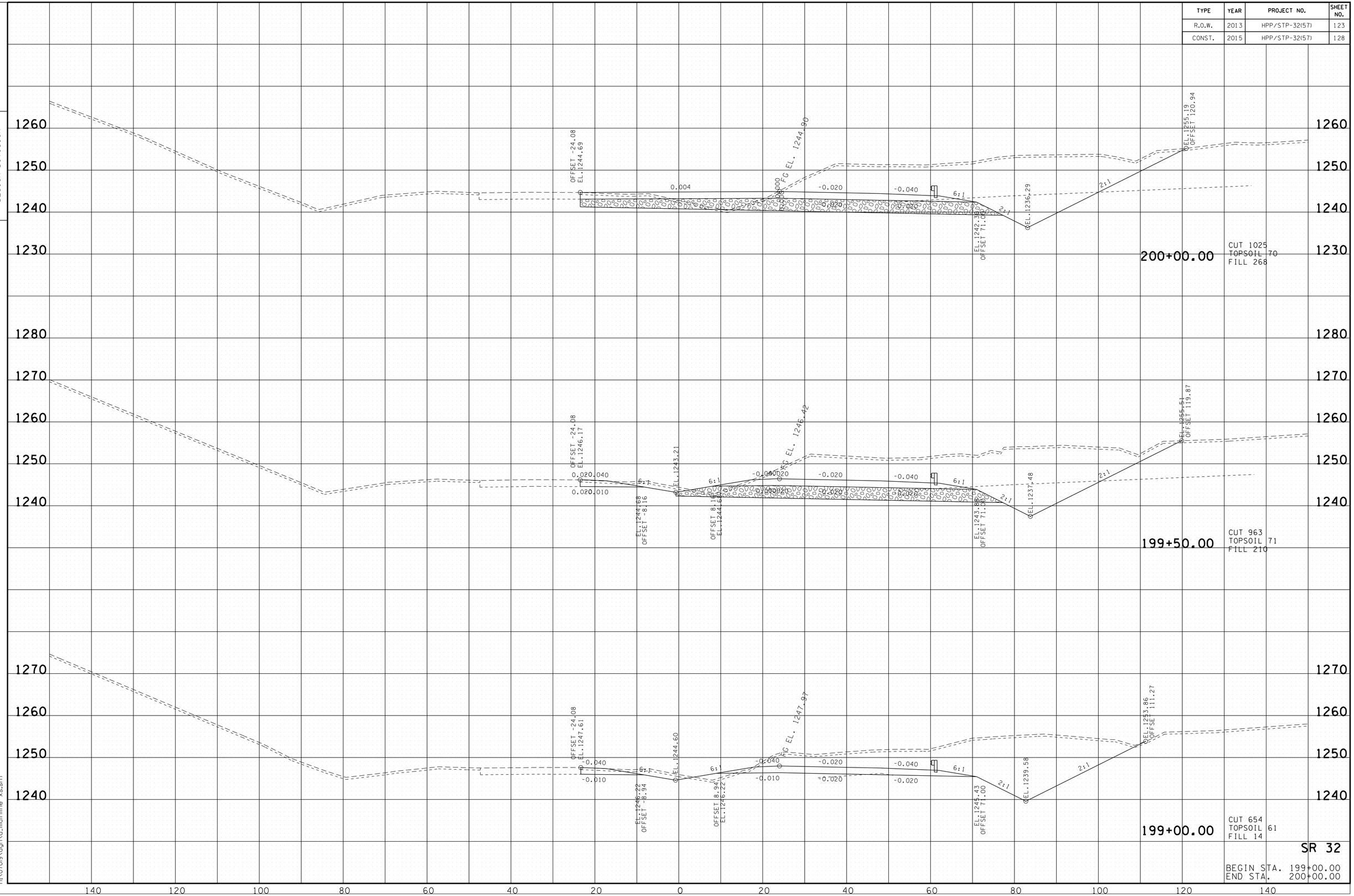
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	123
CONST.	2015	HPP/STP-32(57)	128

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 199+00.00
END STA. 200+00.00

10/20/2014
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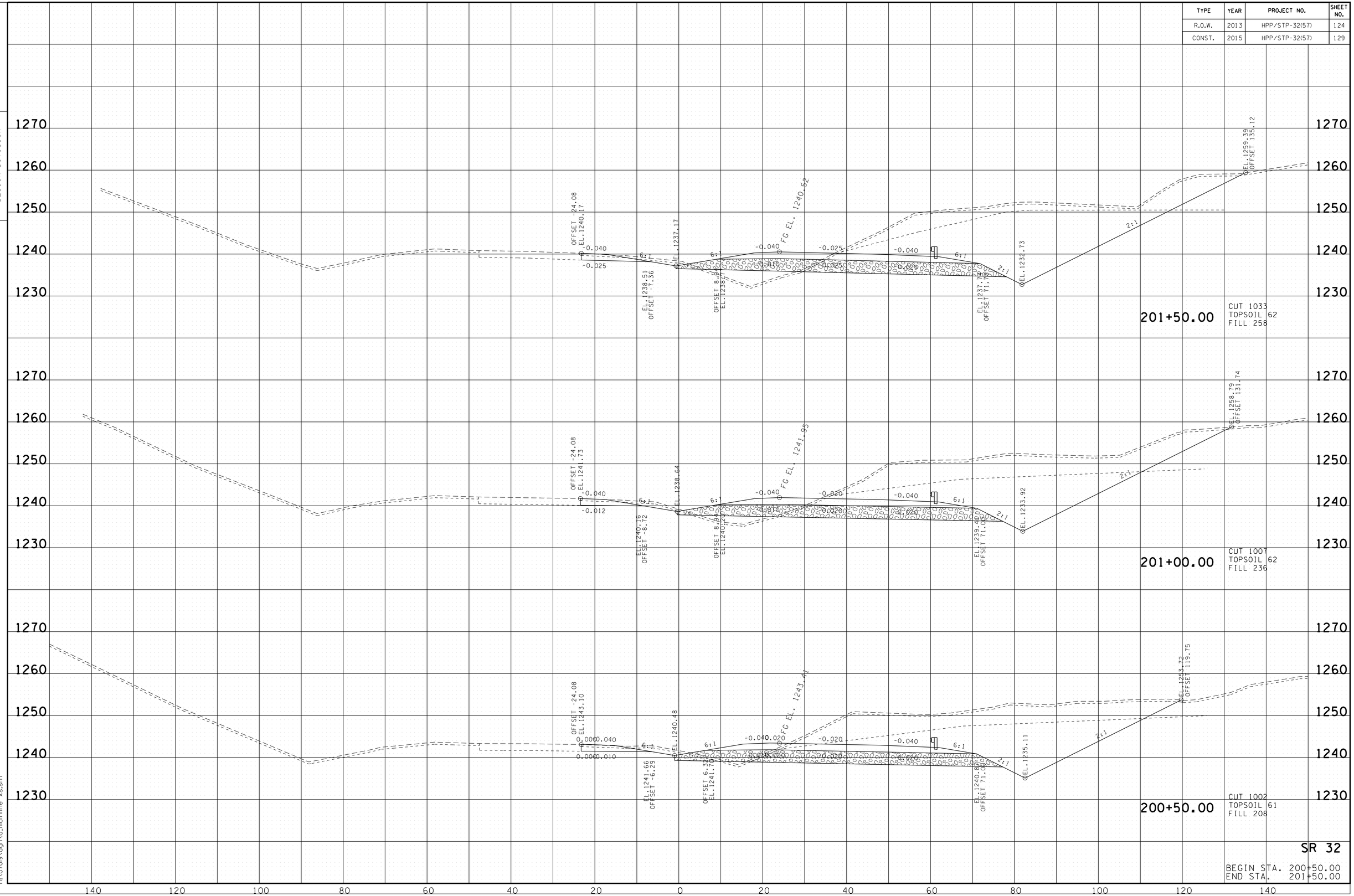
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	124
CONST.	2015	HPP/STP-32(57)	129



SR 32

BEGIN STA. 200+50.00
END STA. 201+50.00

10/20/2014
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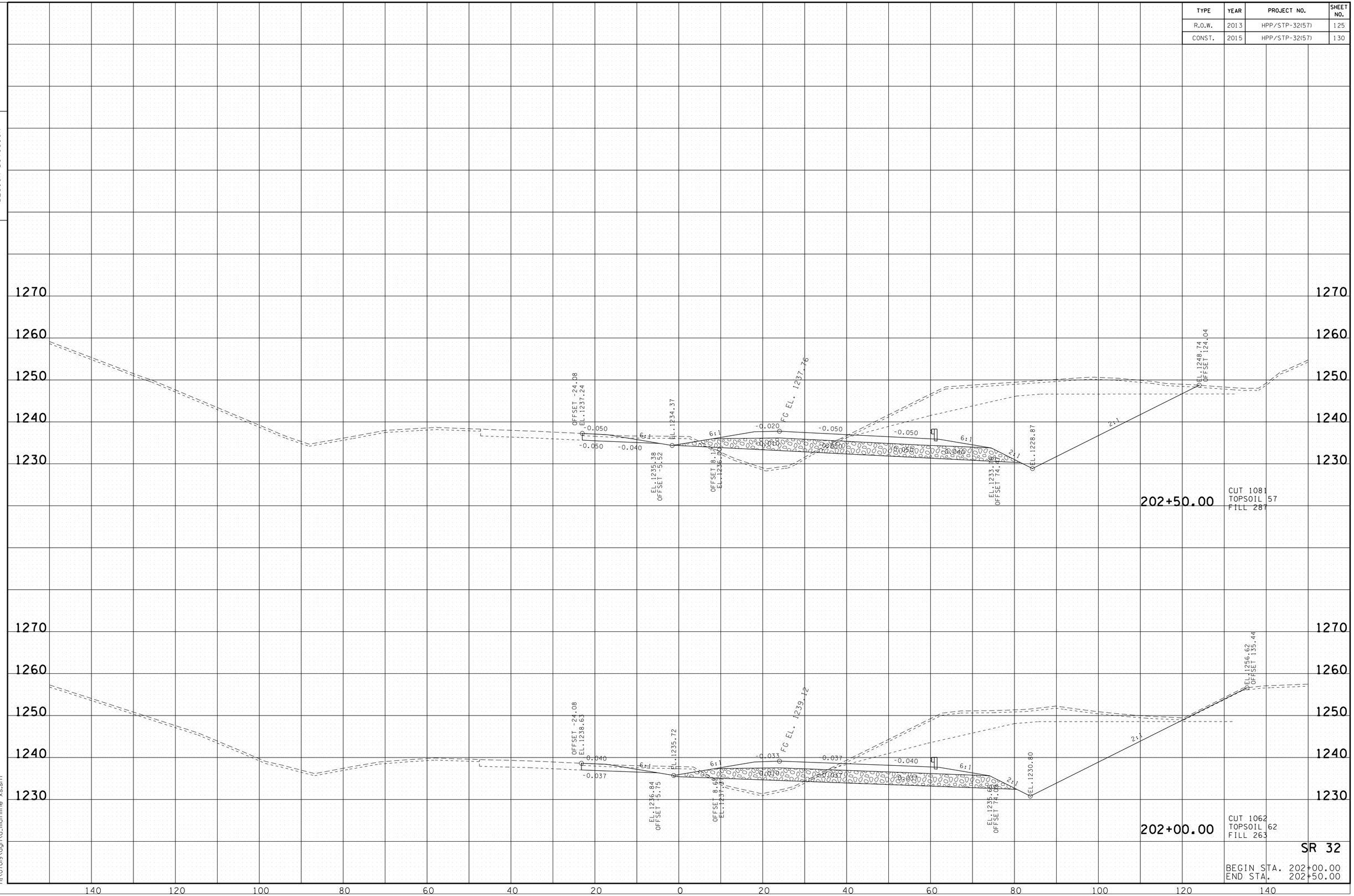
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	125
CONST.	2015	HPP/STP-32(57)	130



SR 32

BEGIN STA. 202+00.00
END STA. 202+50.00

10/20/2014
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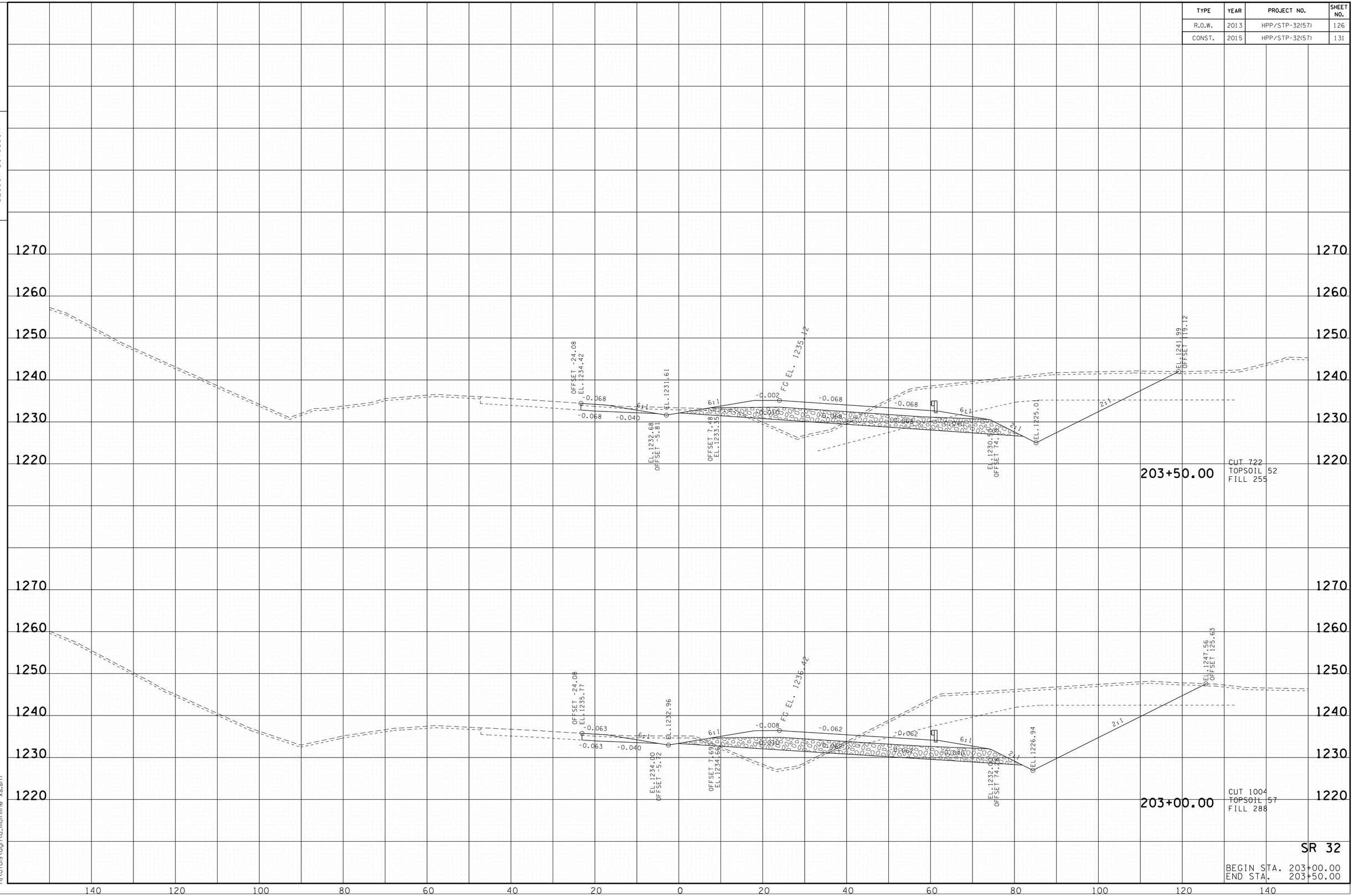
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	126
CONST.	2015	HPP/STP-32(57)	131



10/20/2014
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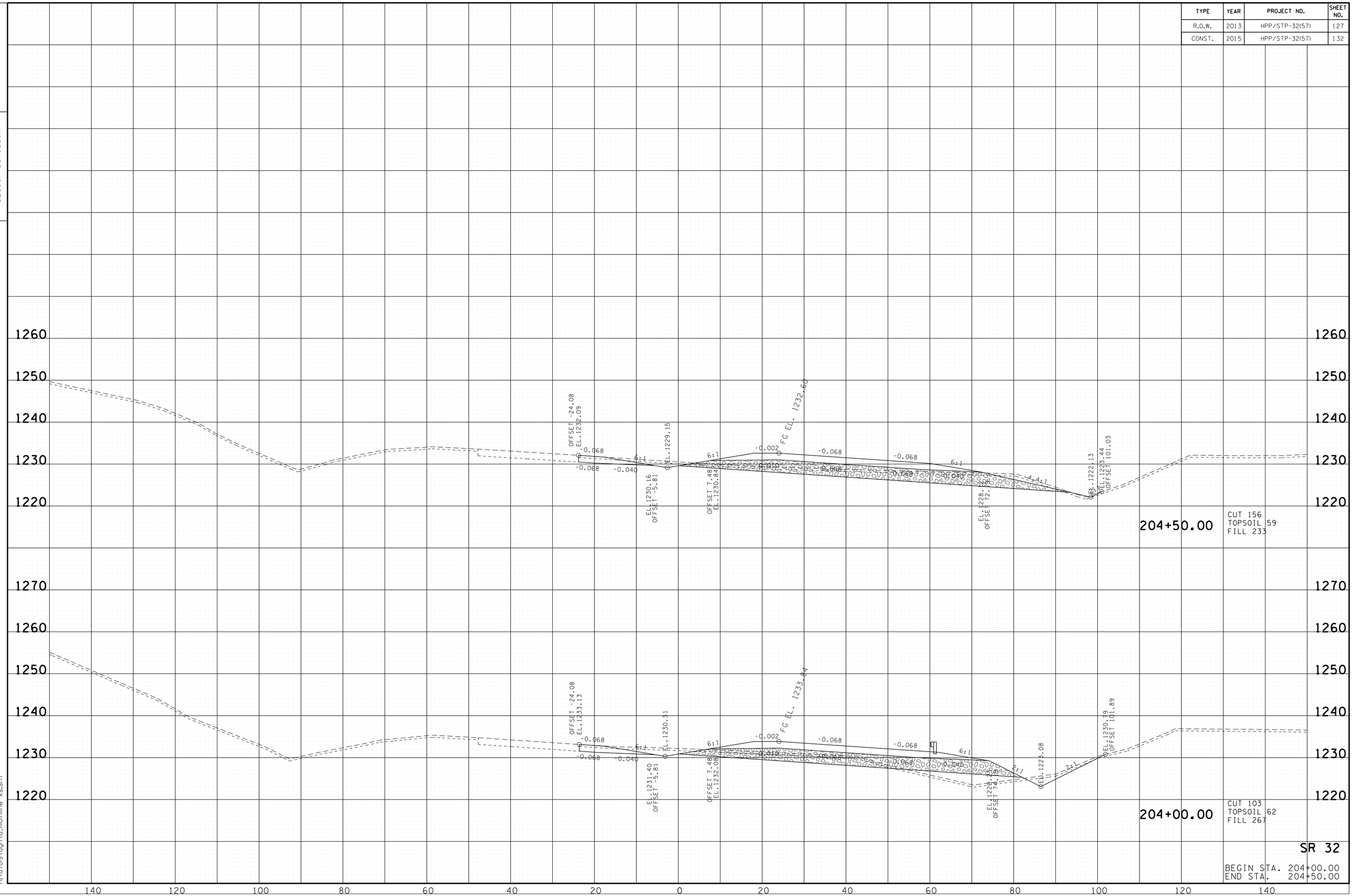
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	127
CONST.	2015	HPP/STP-32(57)	132



SR 32

BEGIN STA. 204+00.00
END STA. 204+50.00

10/20/2014
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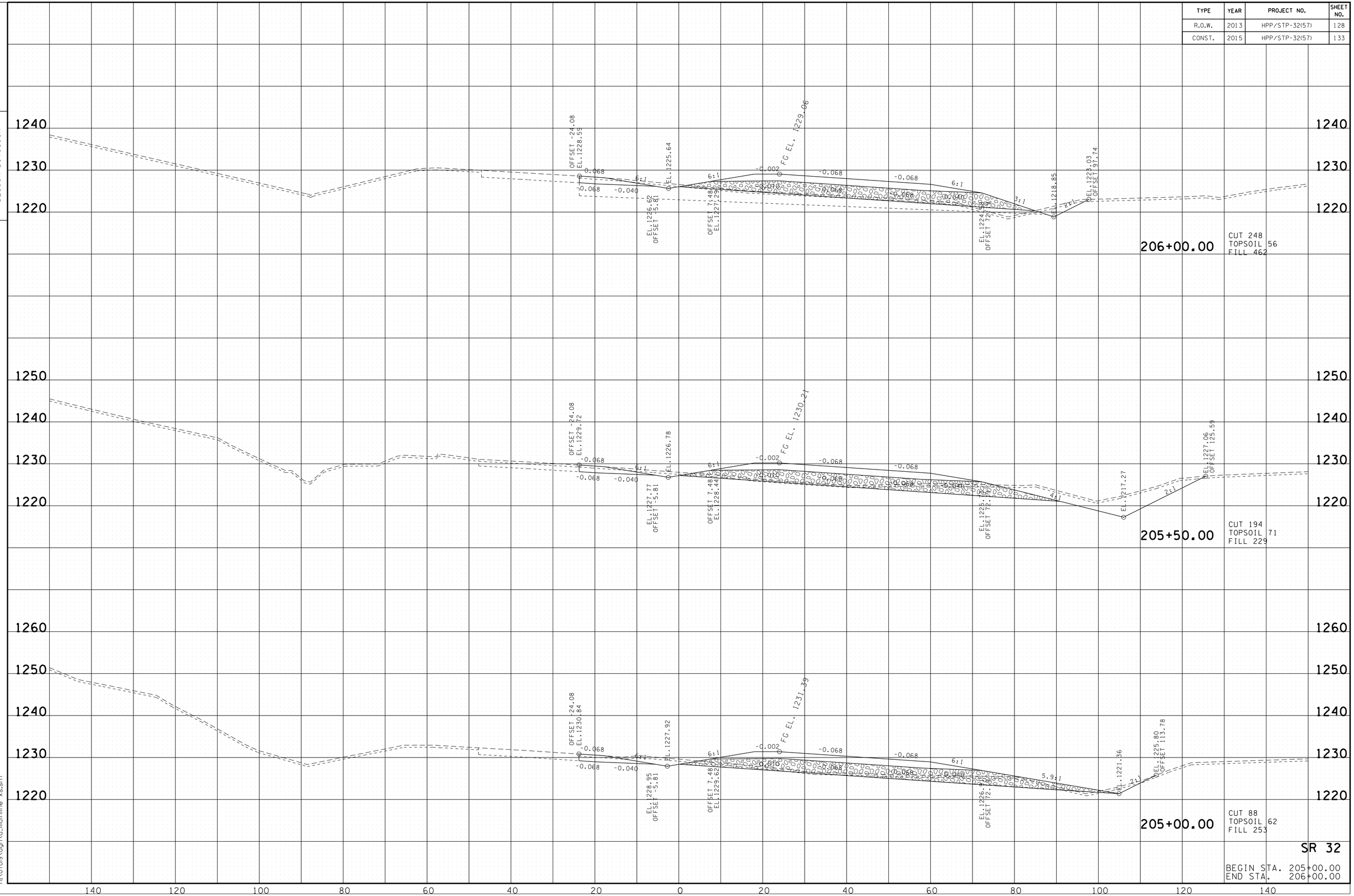
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	128
CONST.	2015	HPP/STP-32(57)	133



10/20/2014
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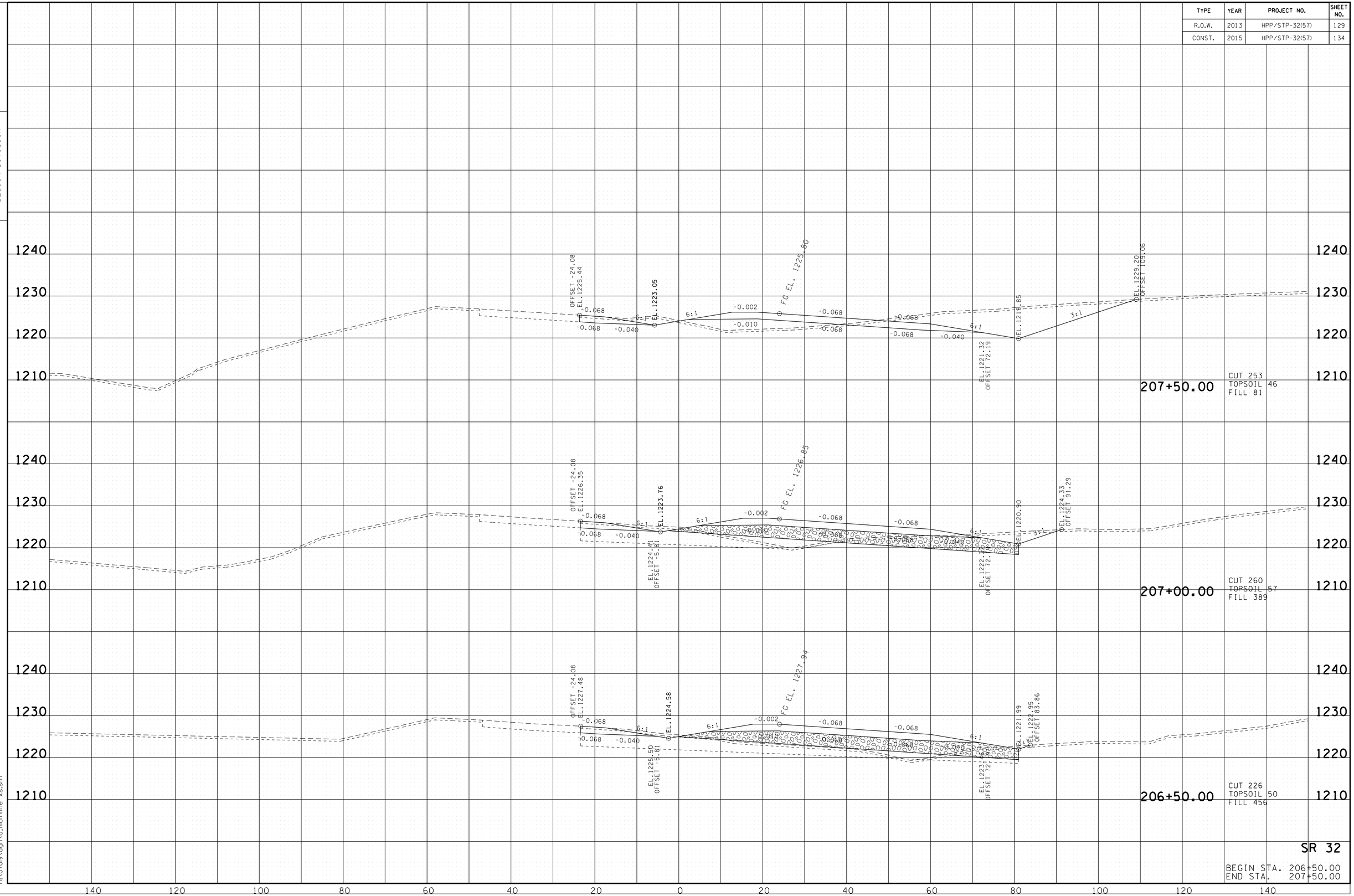
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	129
CONST.	2015	HPP/STP-32(57)	134



SR 32

BEGIN STA. 206+50.00
END STA. 207+50.00

10/20/2014
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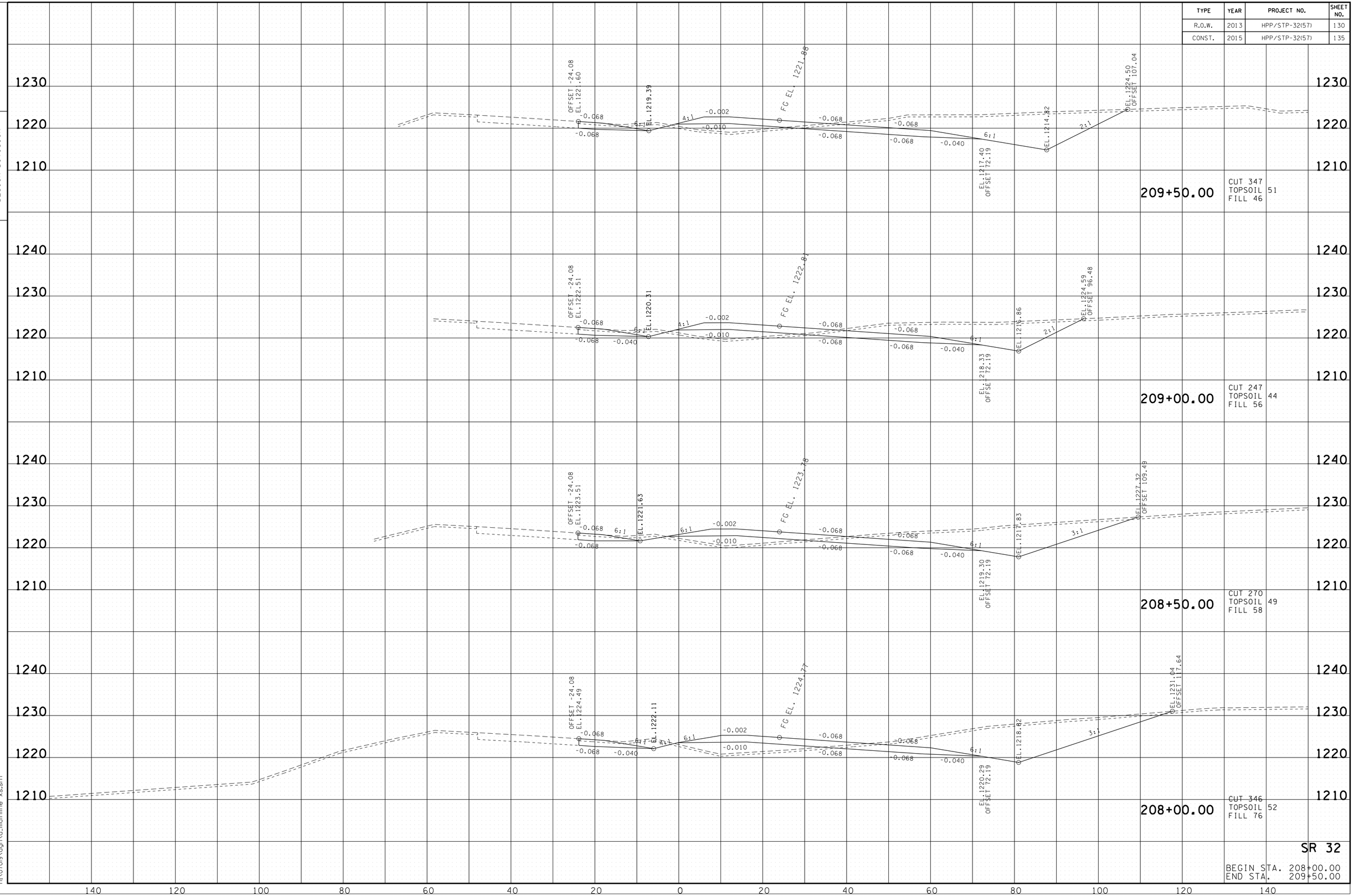
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	130
CONST.	2015	HPP/STP-32(57)	135



SR 32

BEGIN STA. 208+00.00
END STA. 209+50.00

10/20/2014
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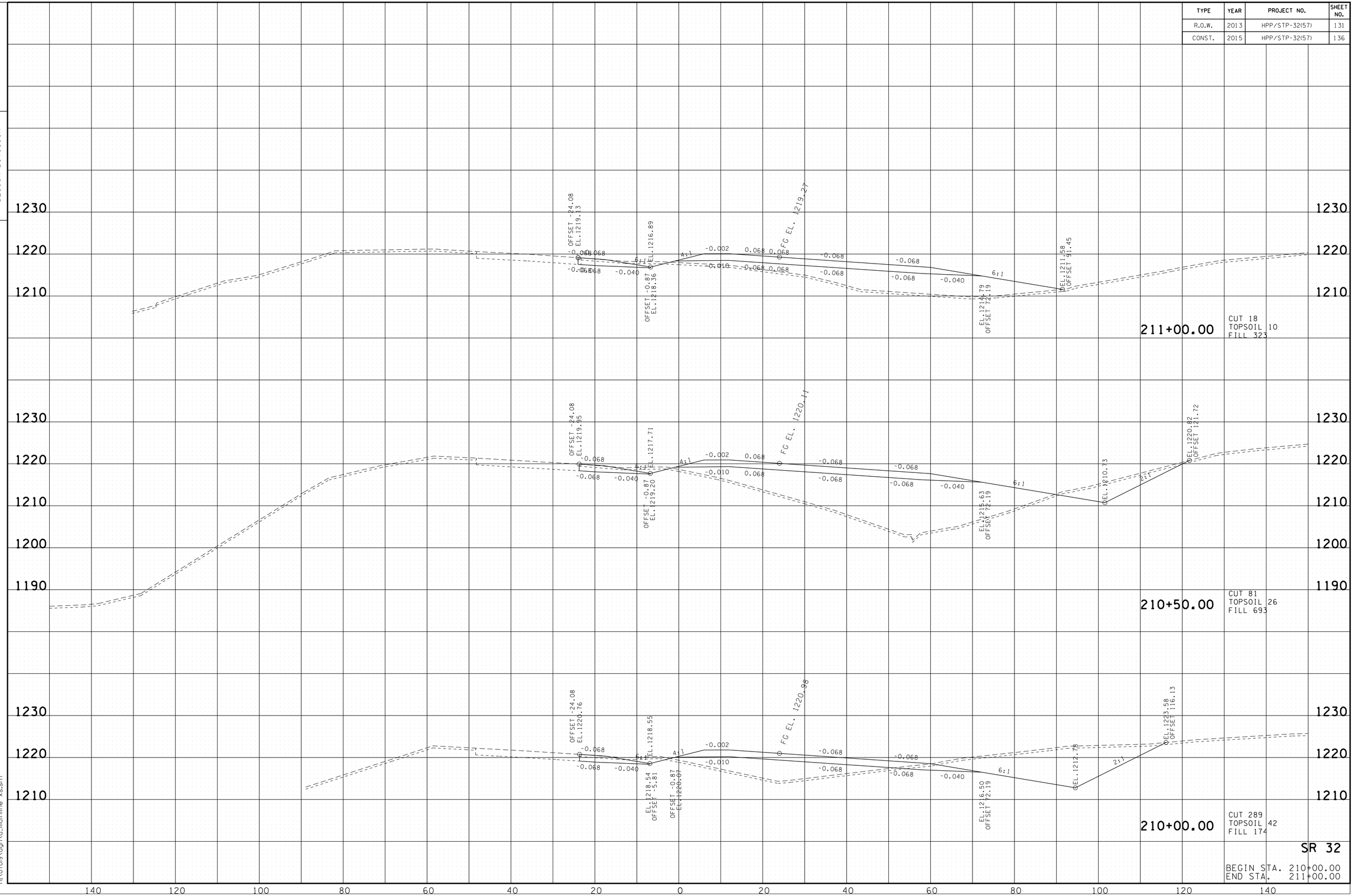
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	131
CONST.	2015	HPP/STP-32(57)	136

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 210+00.00
END STA. 211+00.00

10/20/2014
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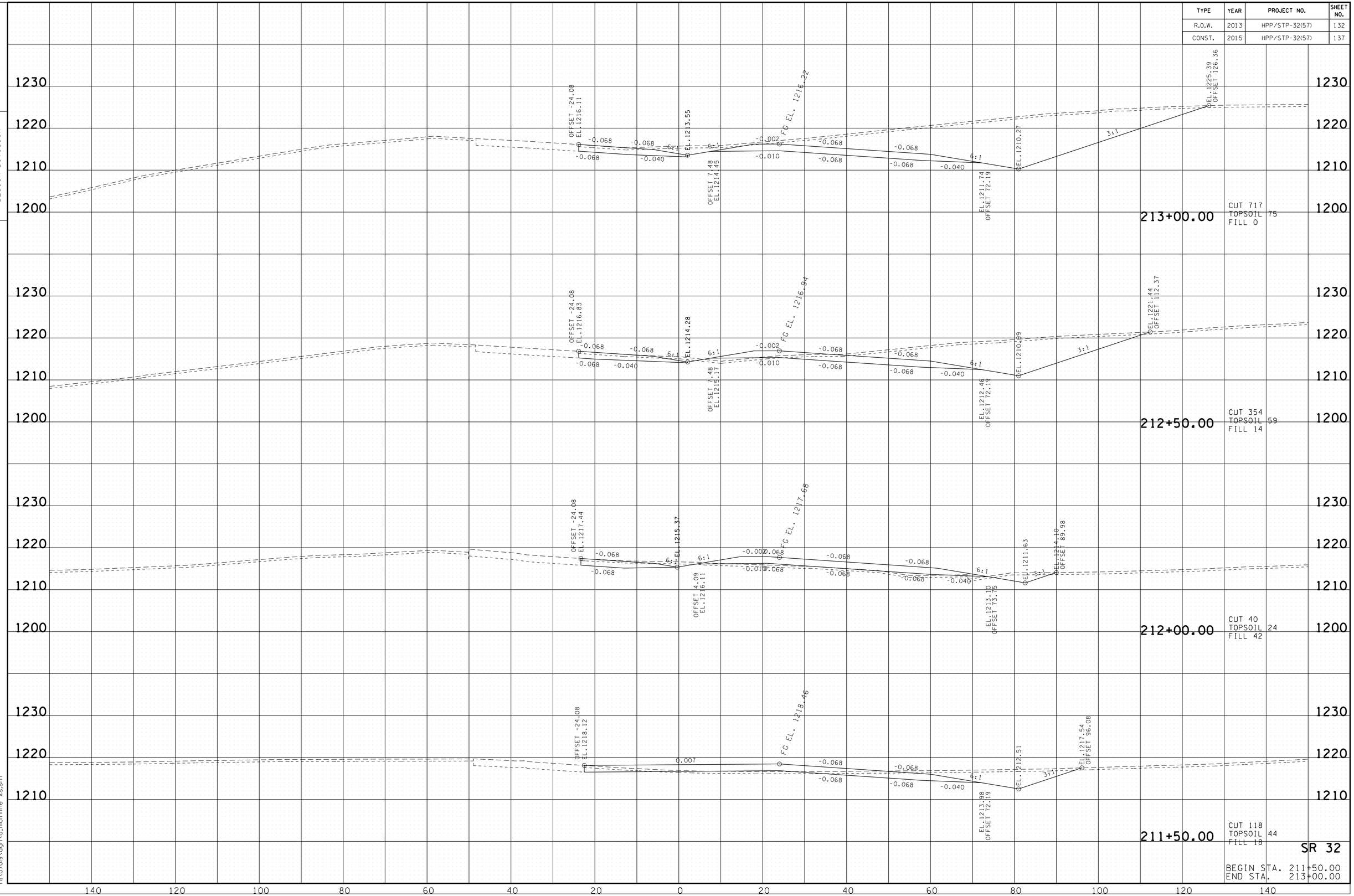
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	132
CONST.	2015	HPP/STP-32(57)	137



SR 32

BEGIN STA. 211+50.00
END STA. 213+00.00

10/20/2014
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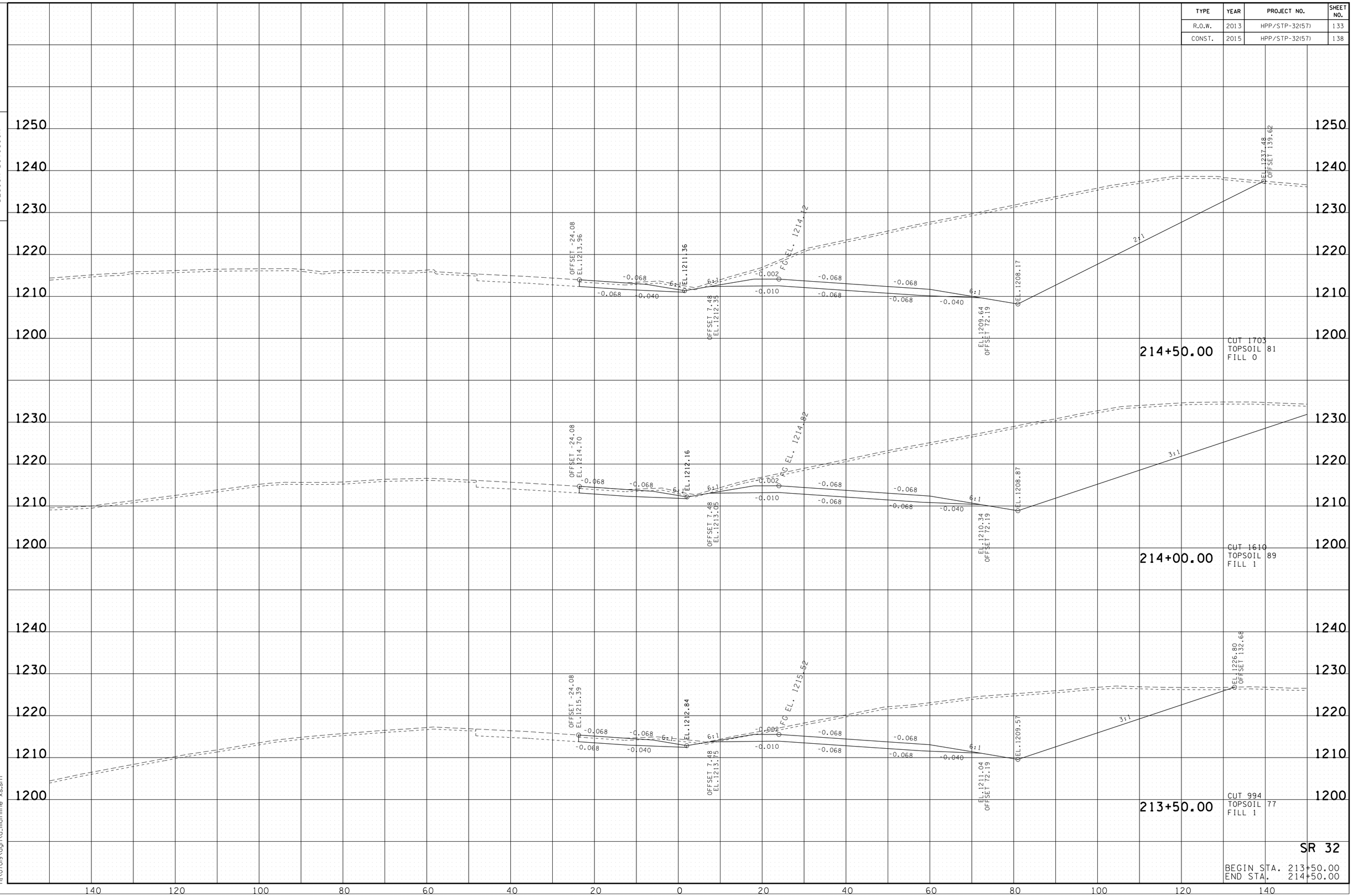
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	133
CONST.	2015	HPP/STP-32(57)	138

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 213+50.00
END STA. 214+50.00

10/20/2014
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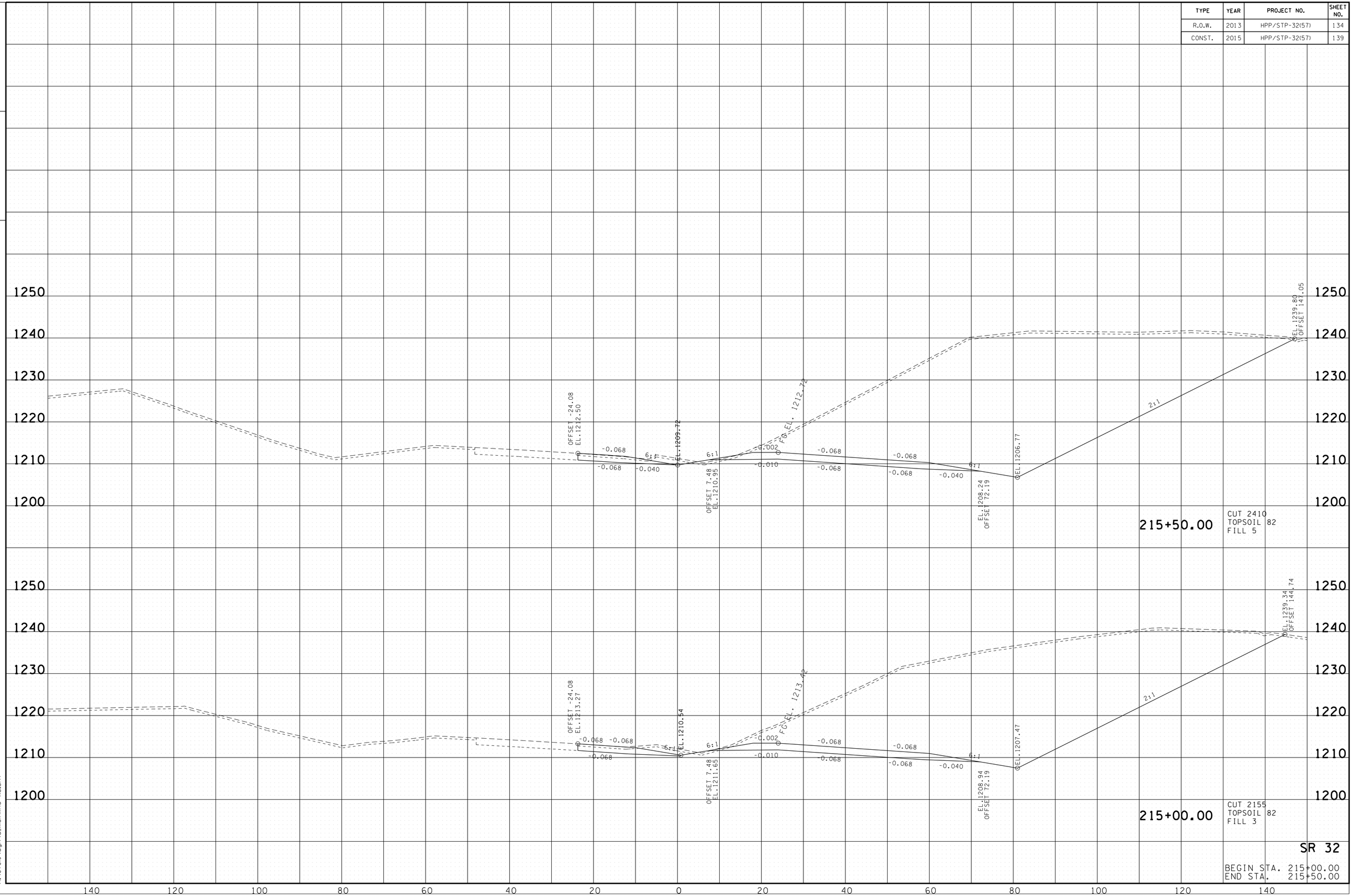
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	134
CONST.	2015	HPP/STP-32(57)	139



SR 32

BEGIN STA. 215+00.00
END STA. 215+50.00

10/20/2014
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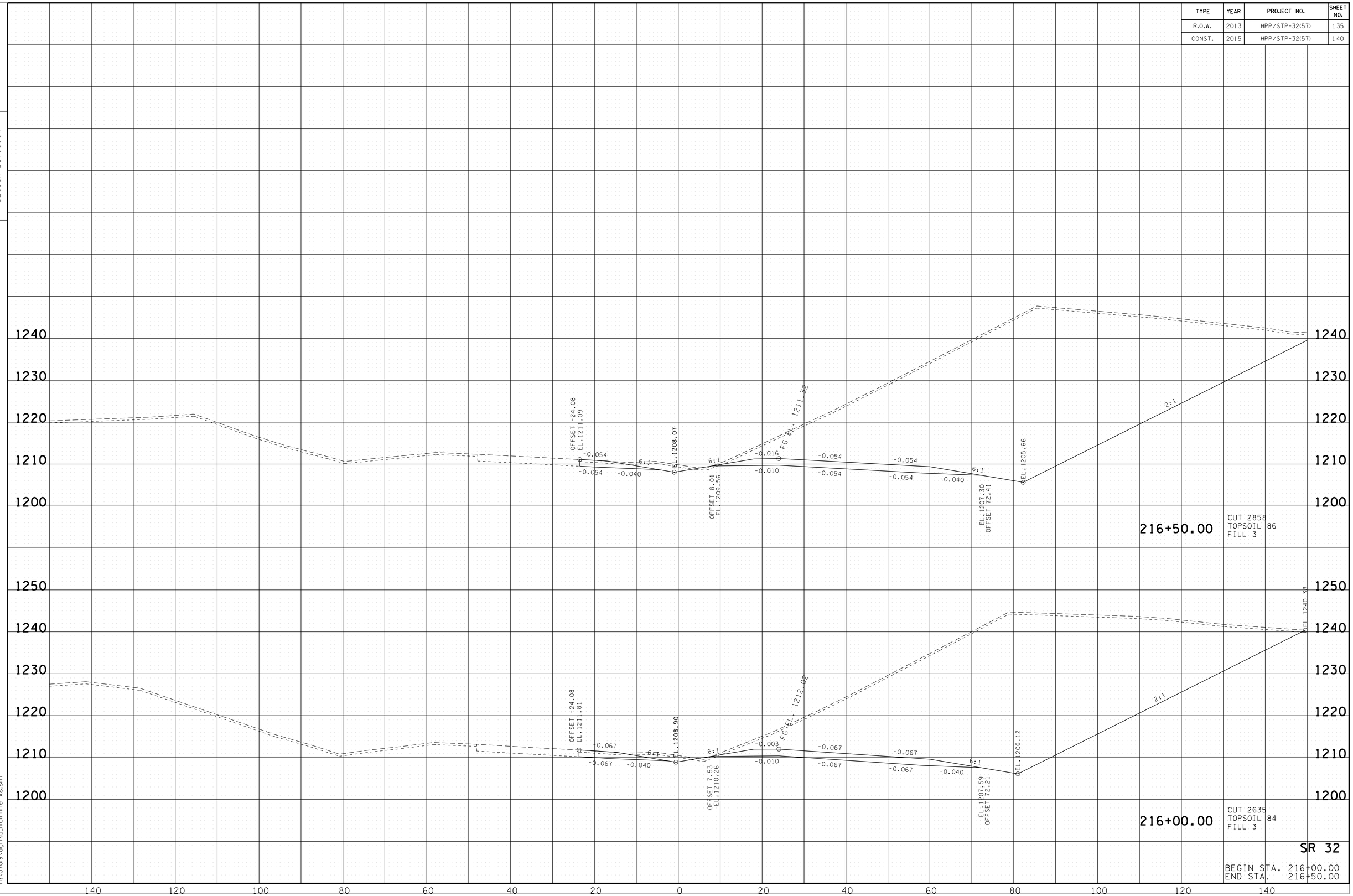
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	135
CONST.	2015	HPP/STP-32(57)	140



10/20/2014
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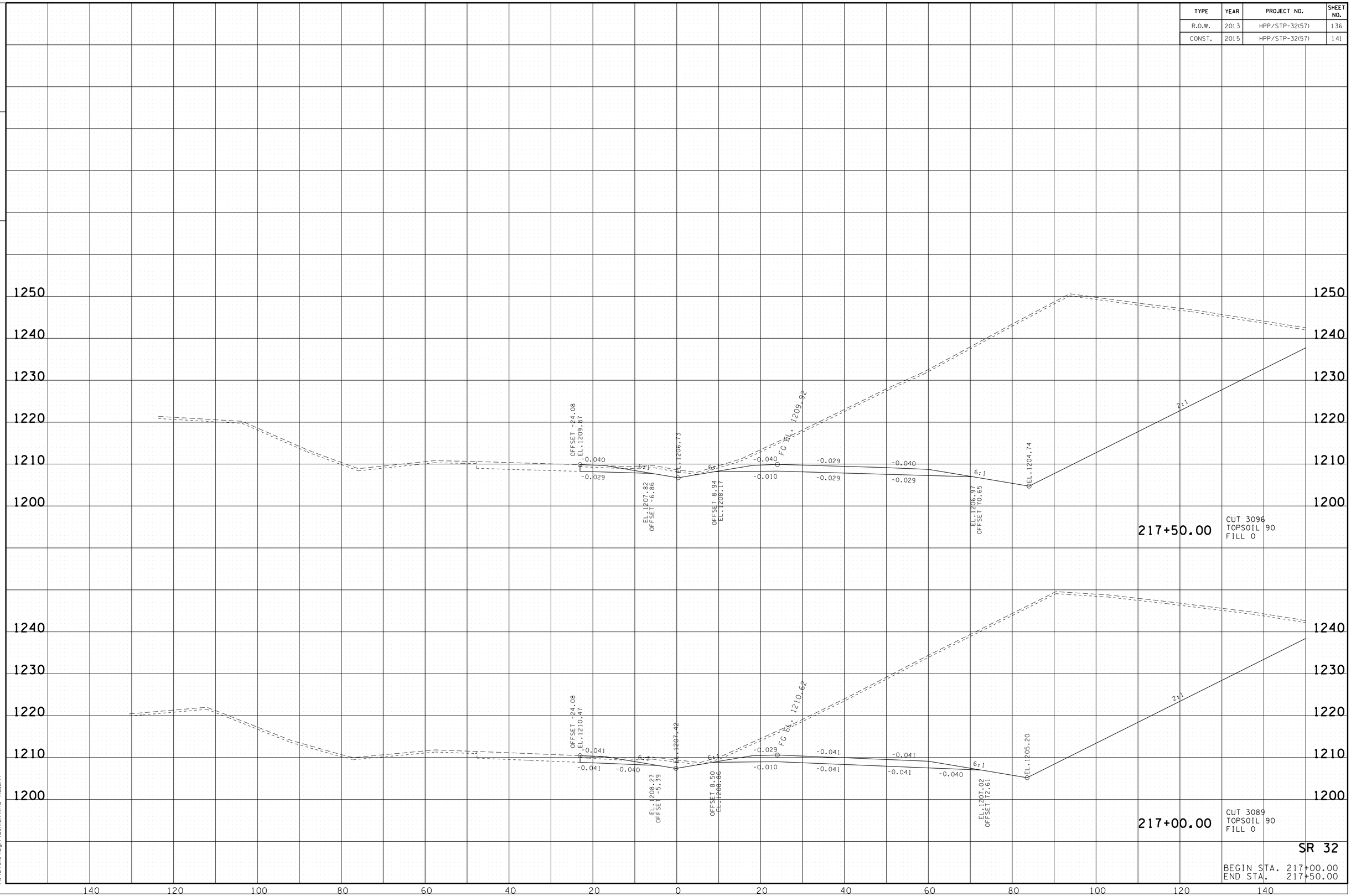
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	136
CONST.	2015	HPP/STP-32(57)	141

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 217+00.00
END STA. 217+50.00

10/20/2014
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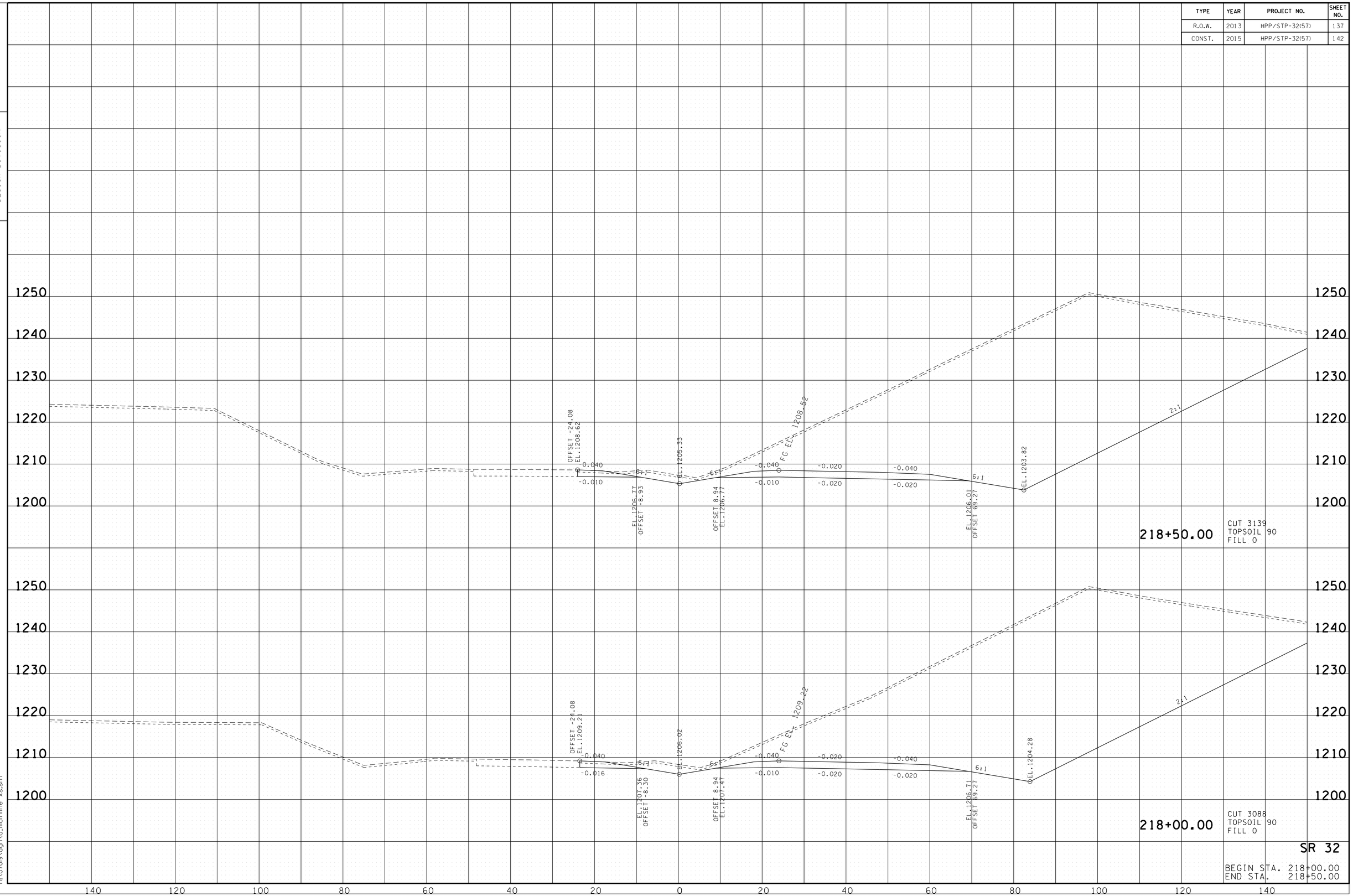
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	137
CONST.	2015	HPP/STP-32(57)	142

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 218+00.00
END STA. 218+50.00

10/20/2014
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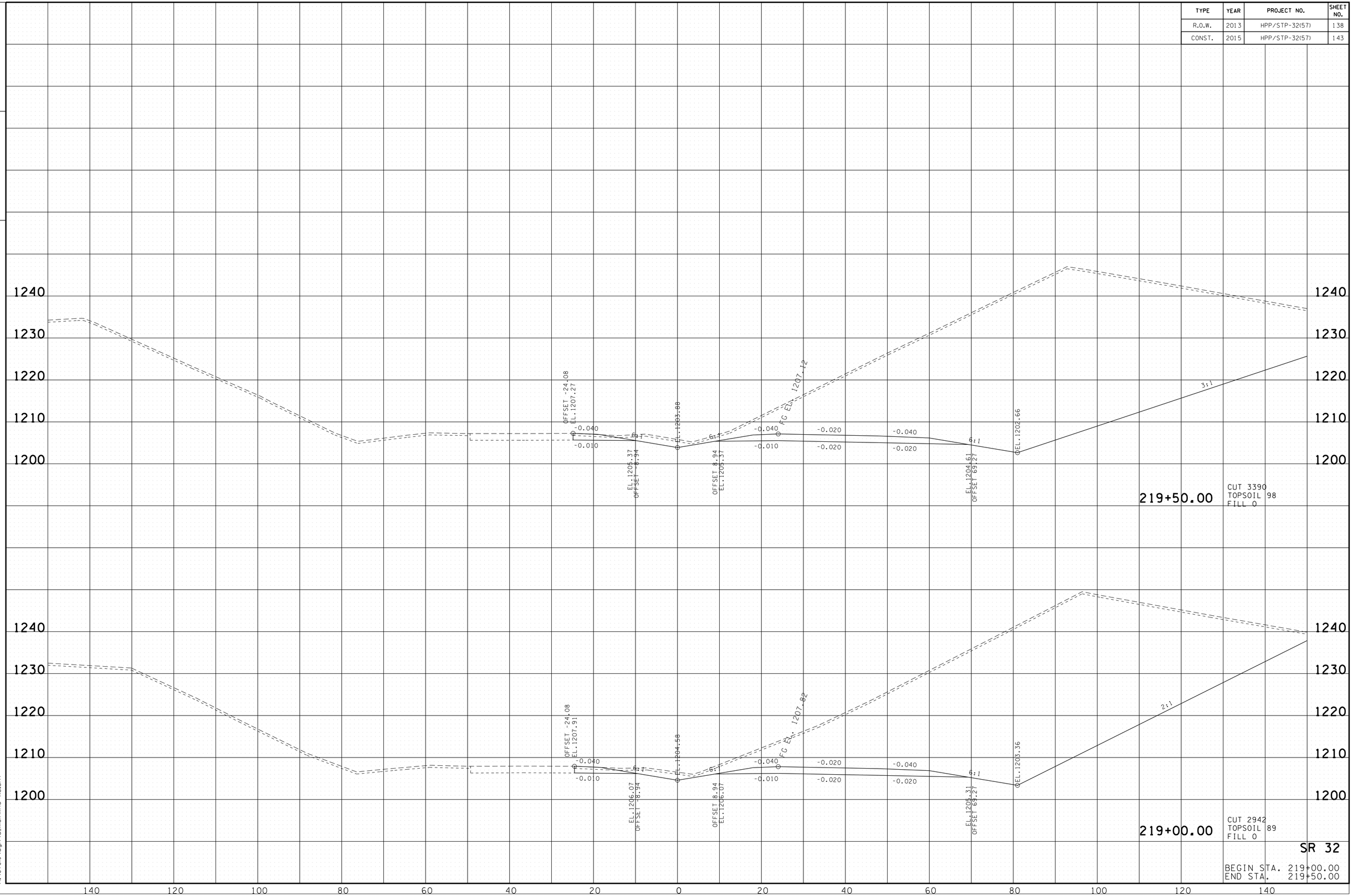
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	138
CONST.	2015	HPP/STP-32(57)	143



10/20/2014
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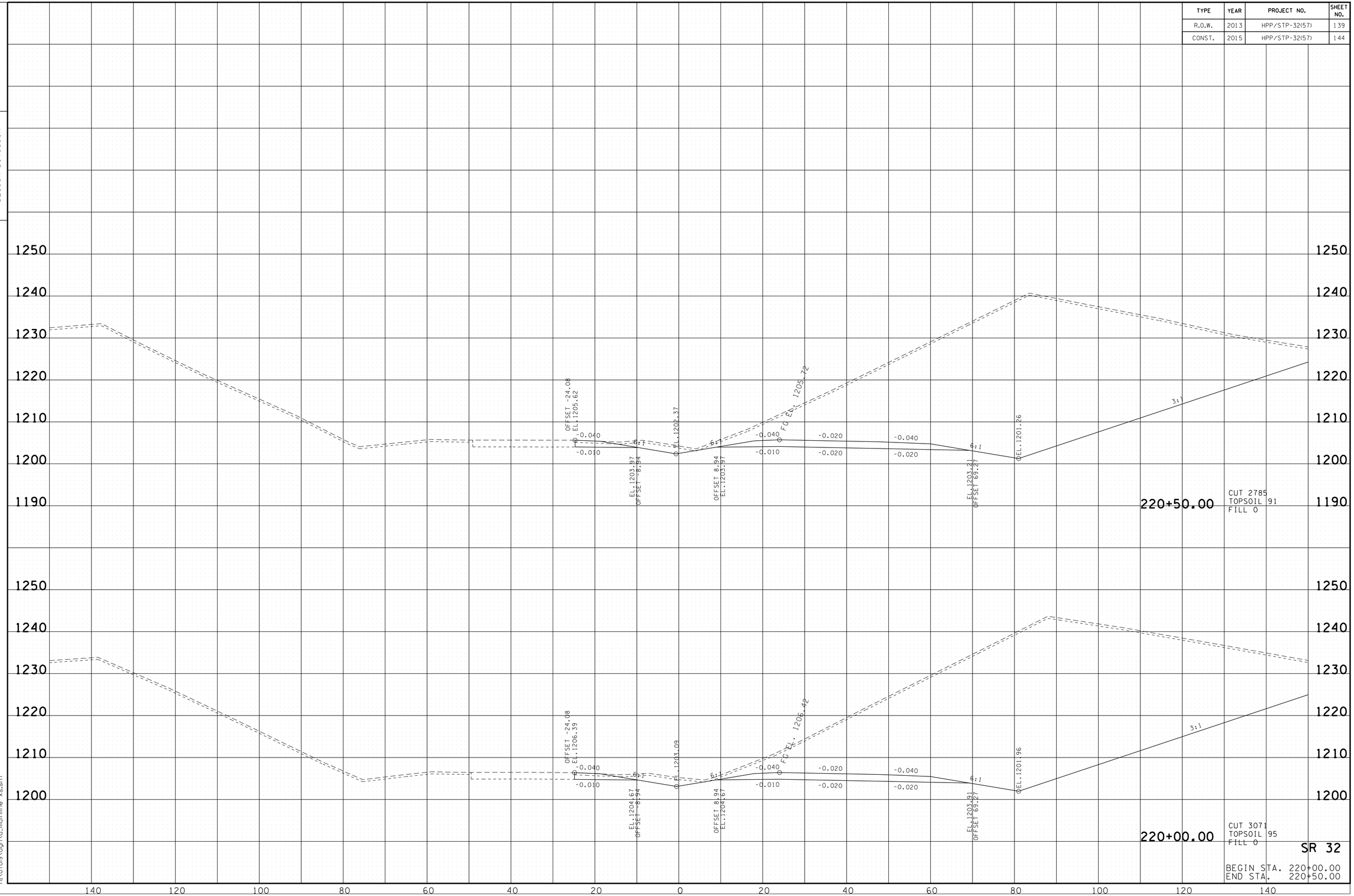
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	139
CONST.	2015	HPP/STP-32(57)	144



10/20/2014
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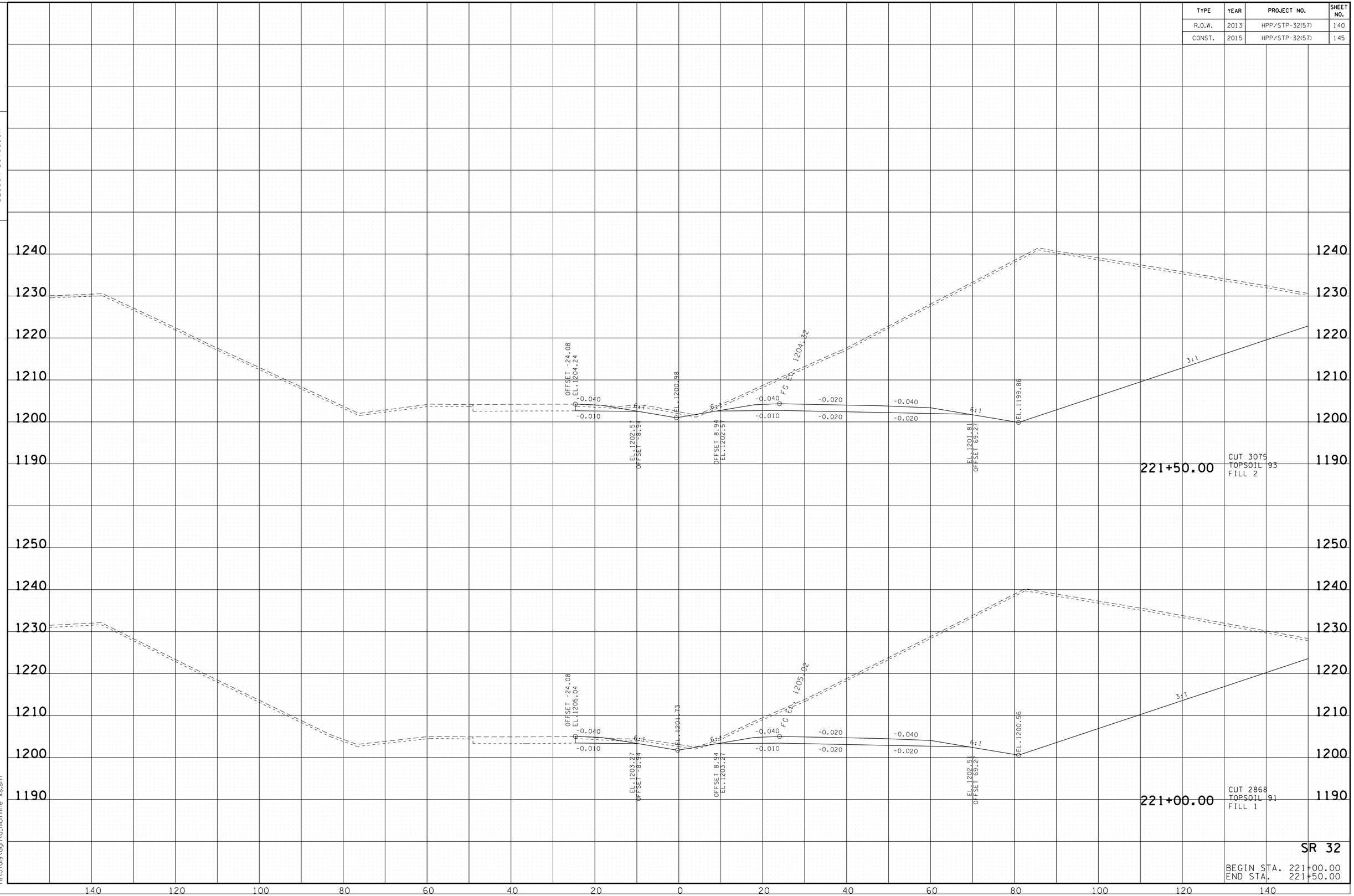
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	140
CONST.	2015	HPP/STP-32(57)	145



SR 32

BEGIN STA. 221+00.00
END STA. 221+50.00

10/20/2014
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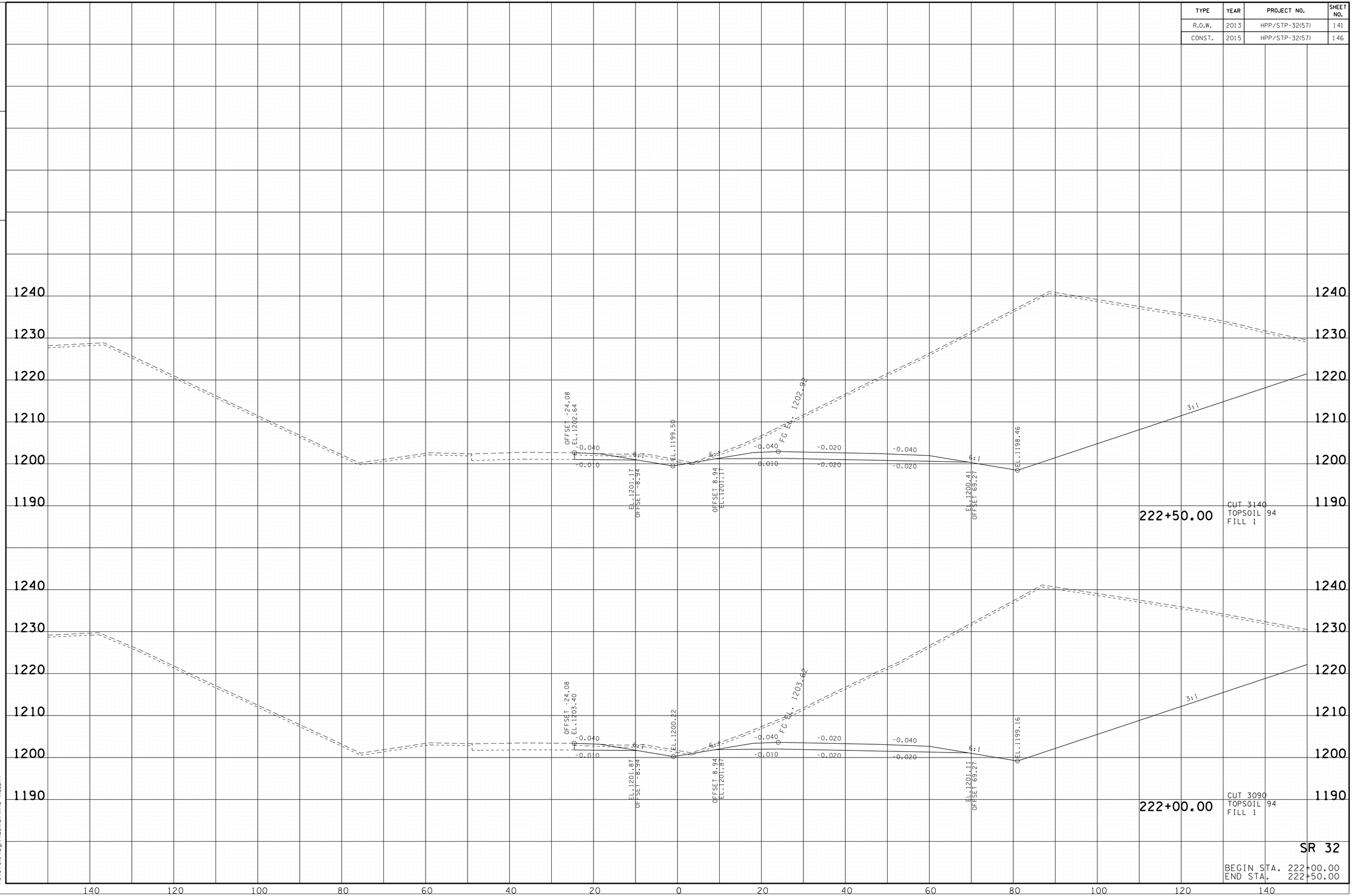
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	141
CONST.	2015	HPP/STP-32(57)	146



SR 32

BEGIN STA. 222+00.00
END STA. 222+50.00

10/20/2014
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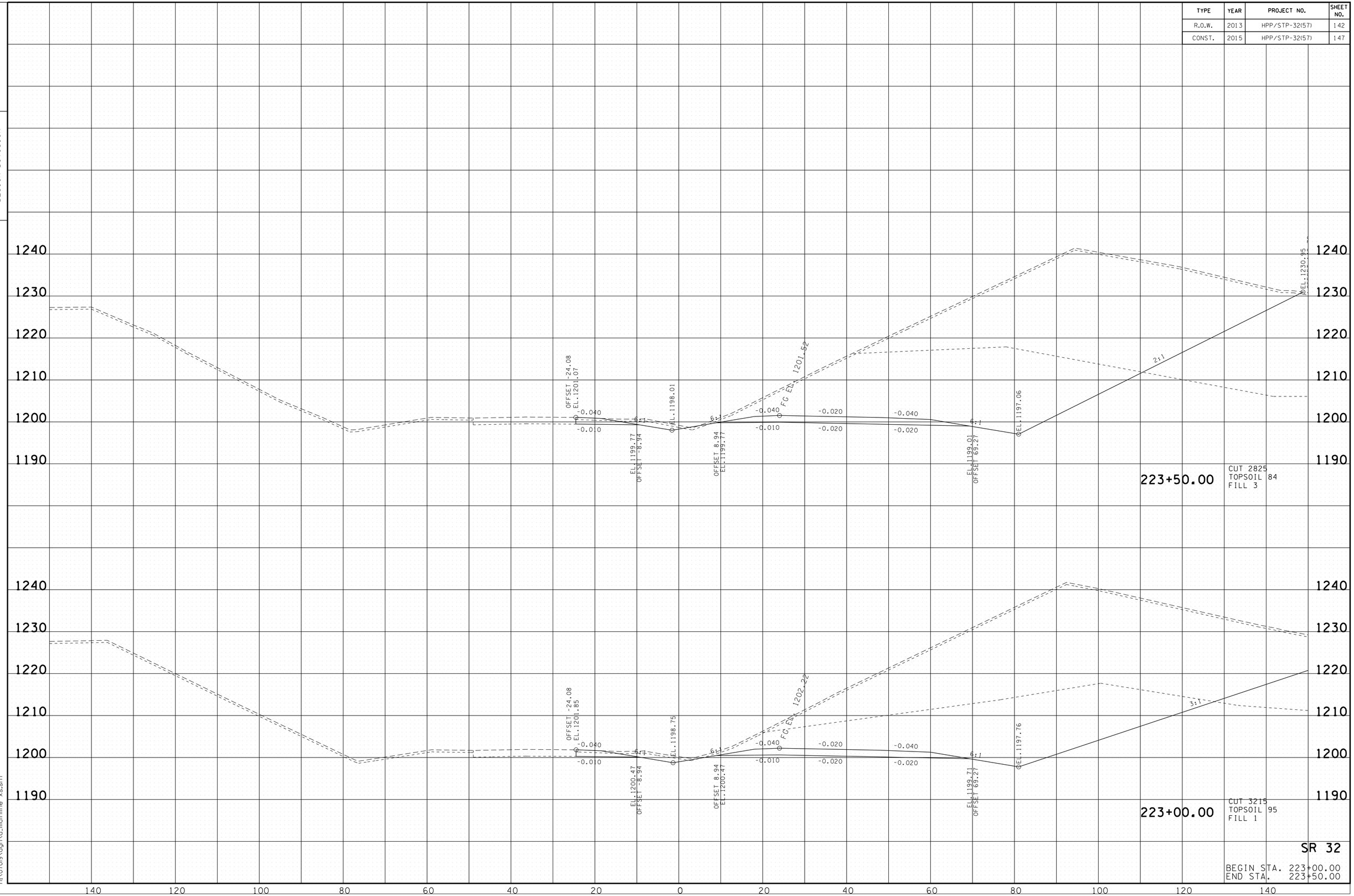
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	142
CONST.	2015	HPP/STP-32(57)	147



SR 32

BEGIN STA. 223+00.00
END STA. 223+50.00

10/20/2014
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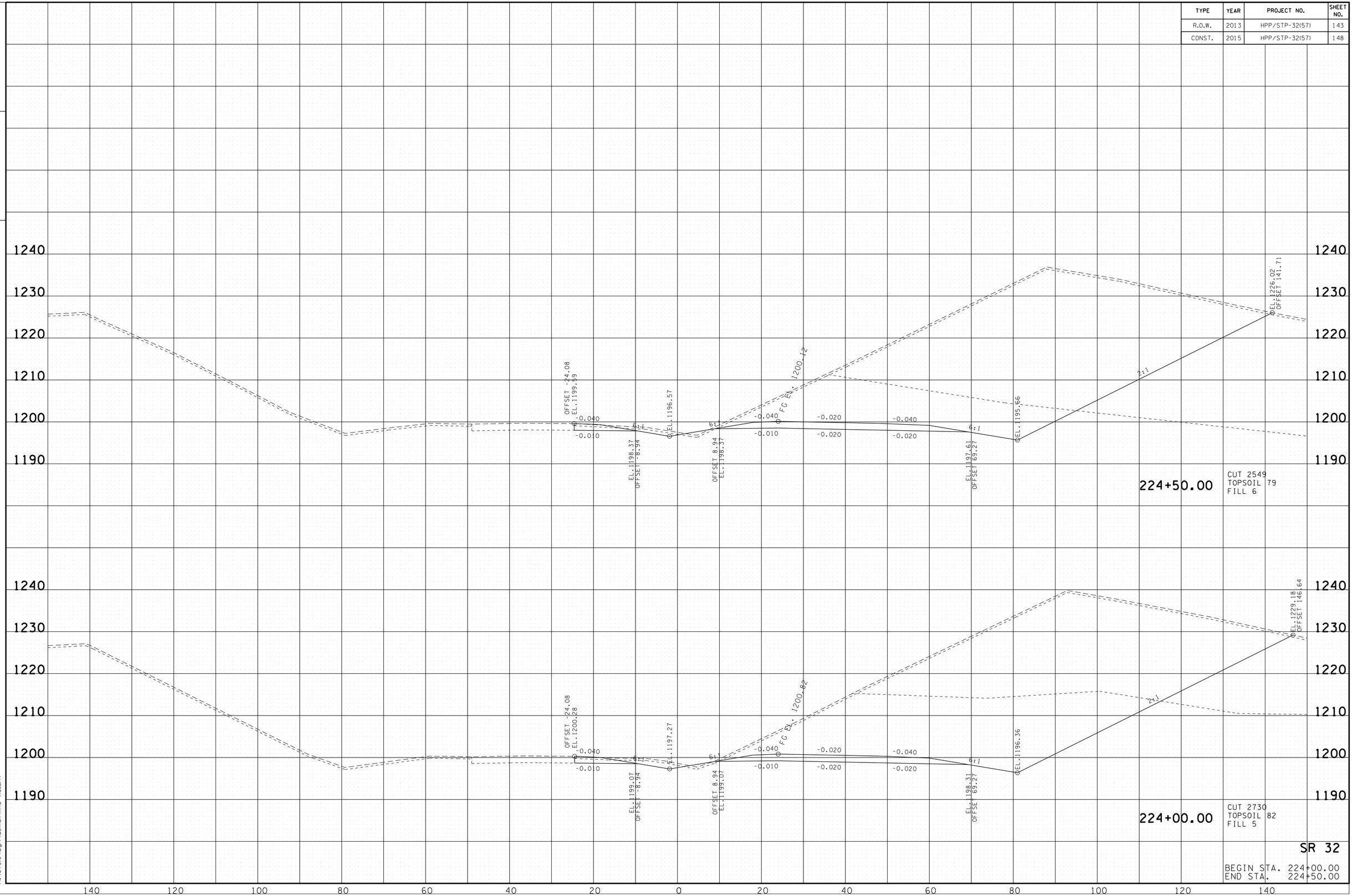
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	143
CONST.	2015	HPP/STP-32(57)	148

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 224+00.00
END STA. 224+50.00

10/20/2014
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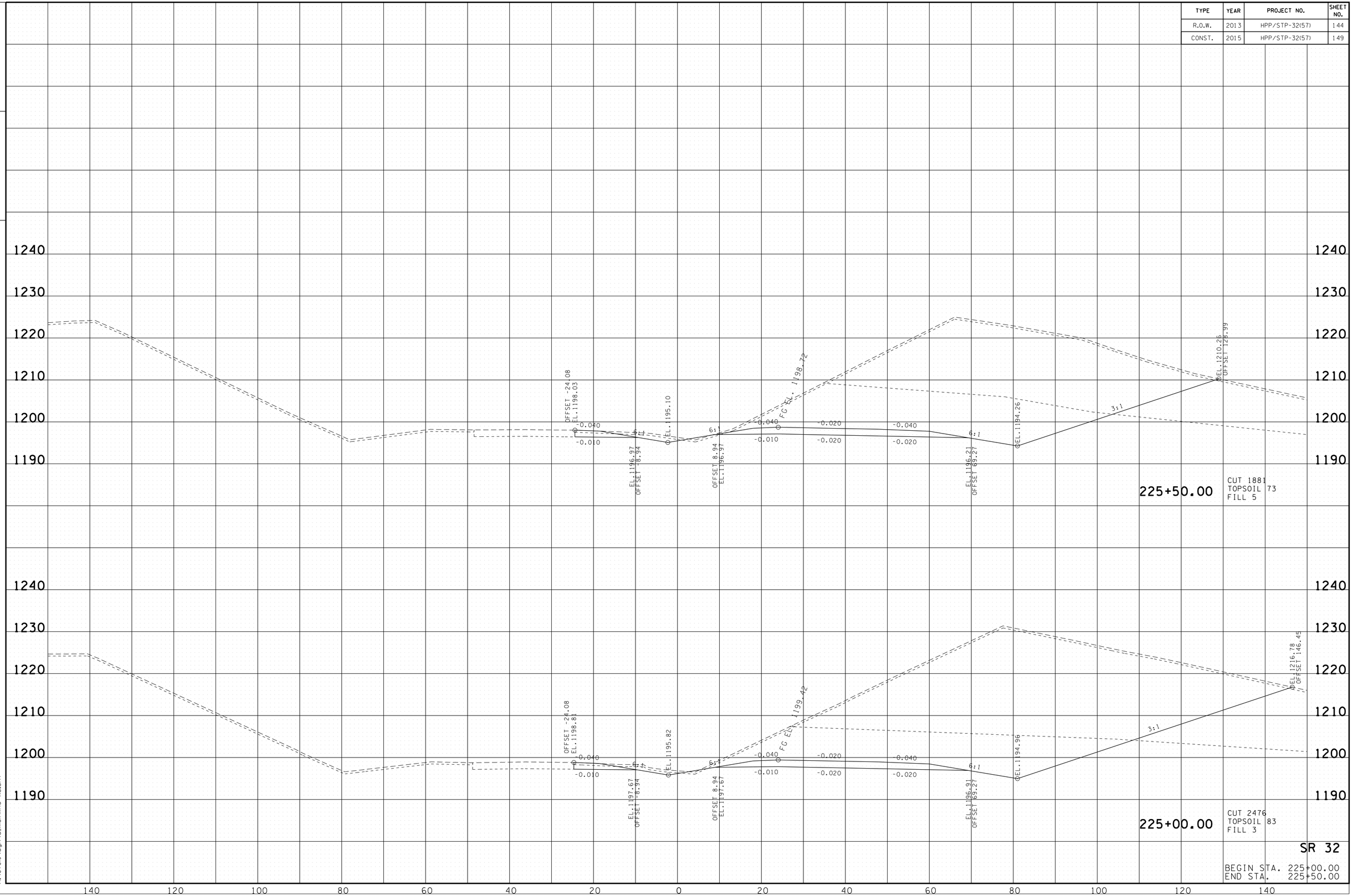
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	144
CONST.	2015	HPP/STP-32(57)	149



SR 32

BEGIN STA. 225+00.00
END STA. 225+50.00

10/20/2014
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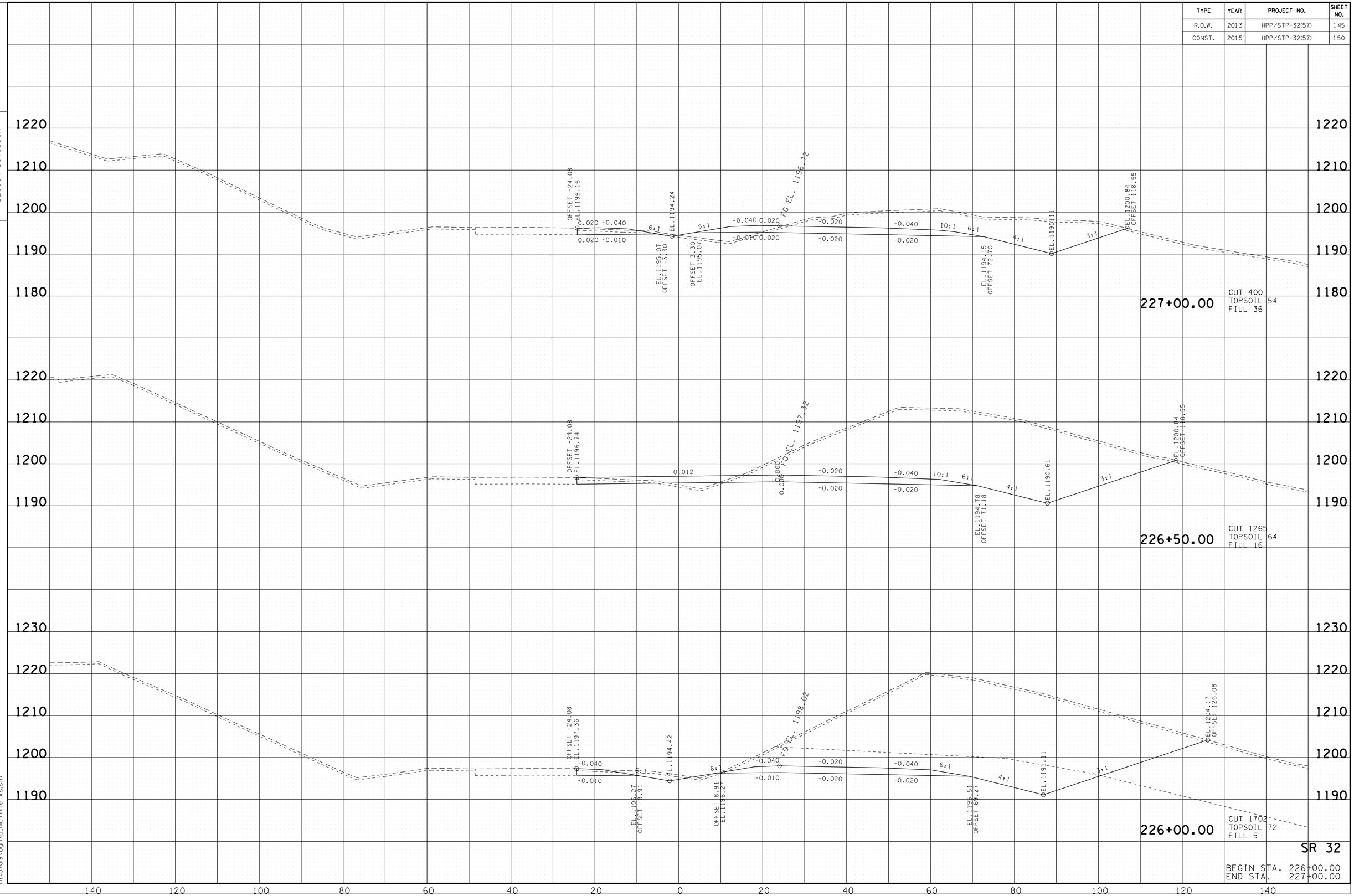
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	145
CONST.	2015	HPP/STP-32(57)	150



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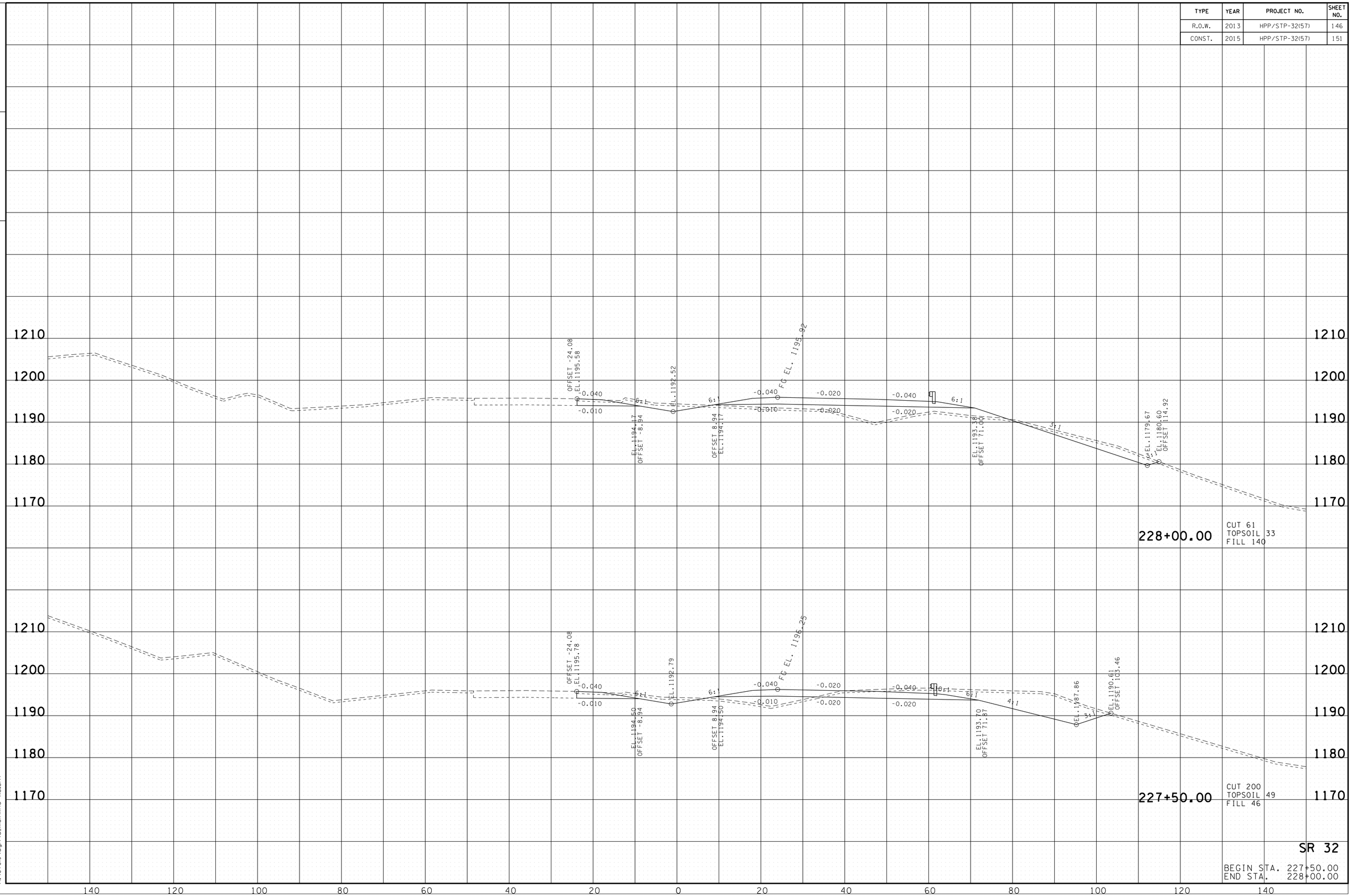
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	146
CONST.	2015	HPP/STP-32(57)	151



SR 32

BEGIN STA. 227+50.00
END STA. 228+00.00

10/20/2014
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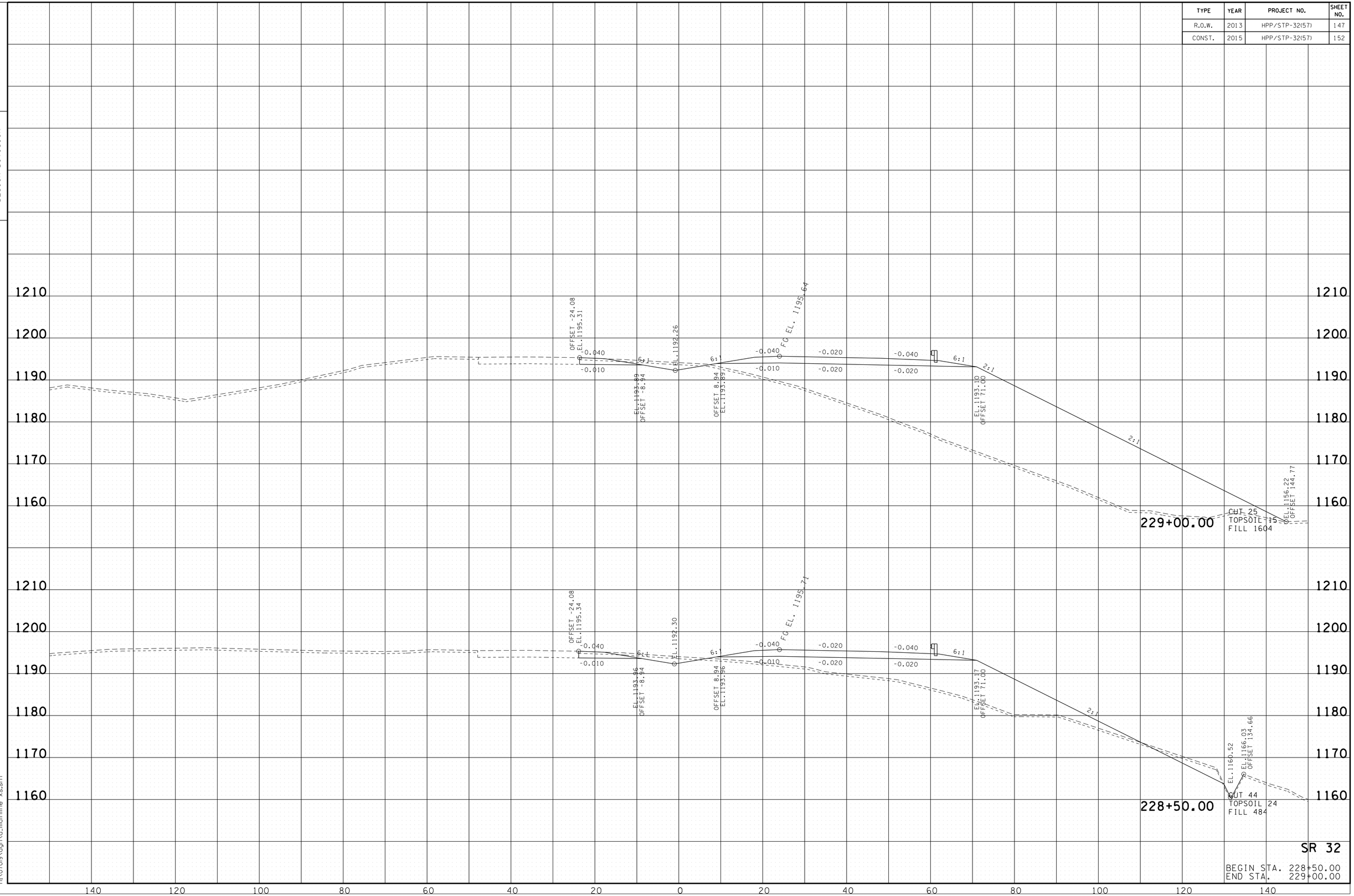
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	147
CONST.	2015	HPP/STP-32(57)	152



SR 32

BEGIN STA. 228+50.00
END STA. 229+00.00

10/20/2014
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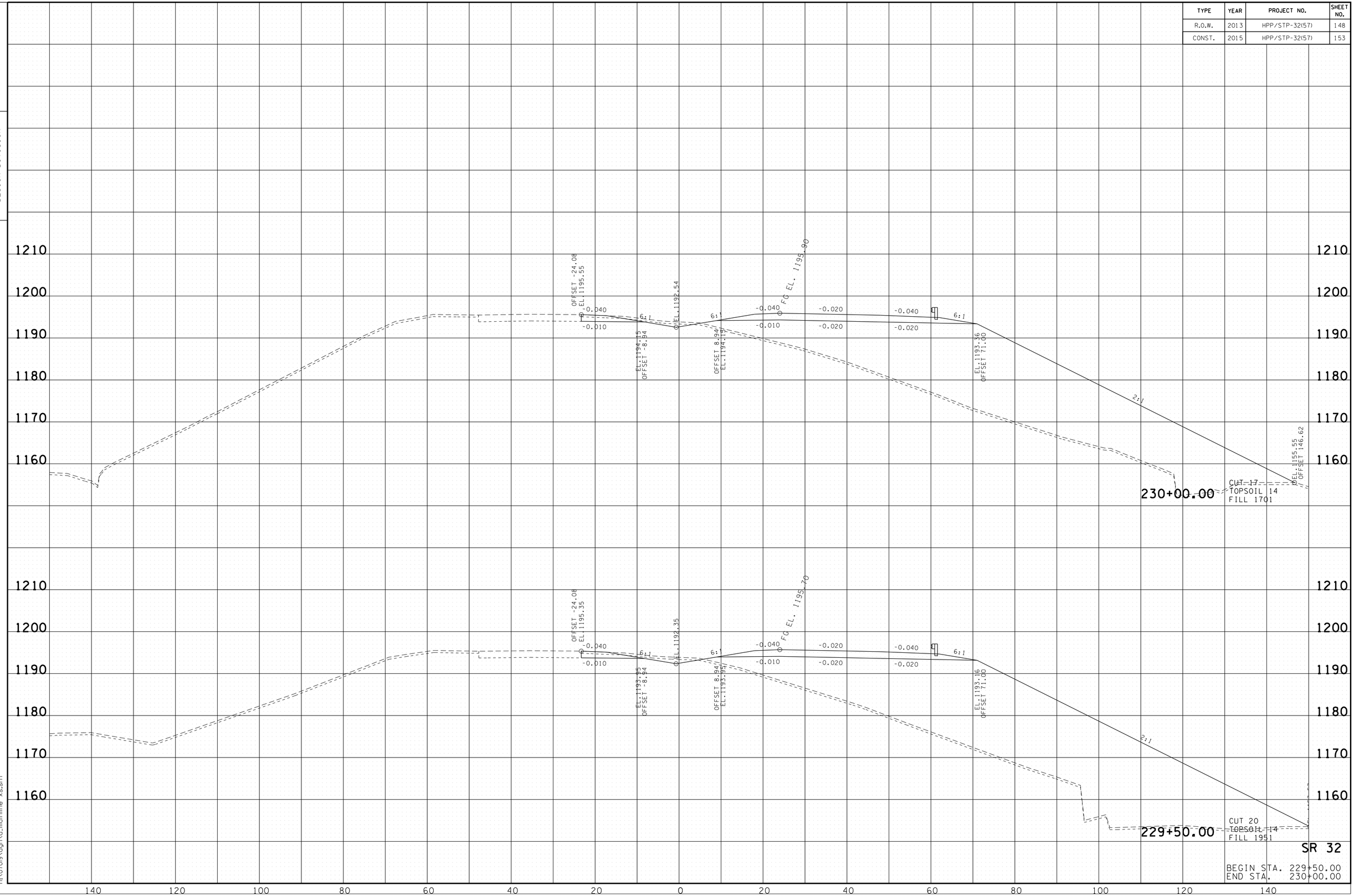
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	148
CONST.	2015	HPP/STP-32(57)	153

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



10/20/2014
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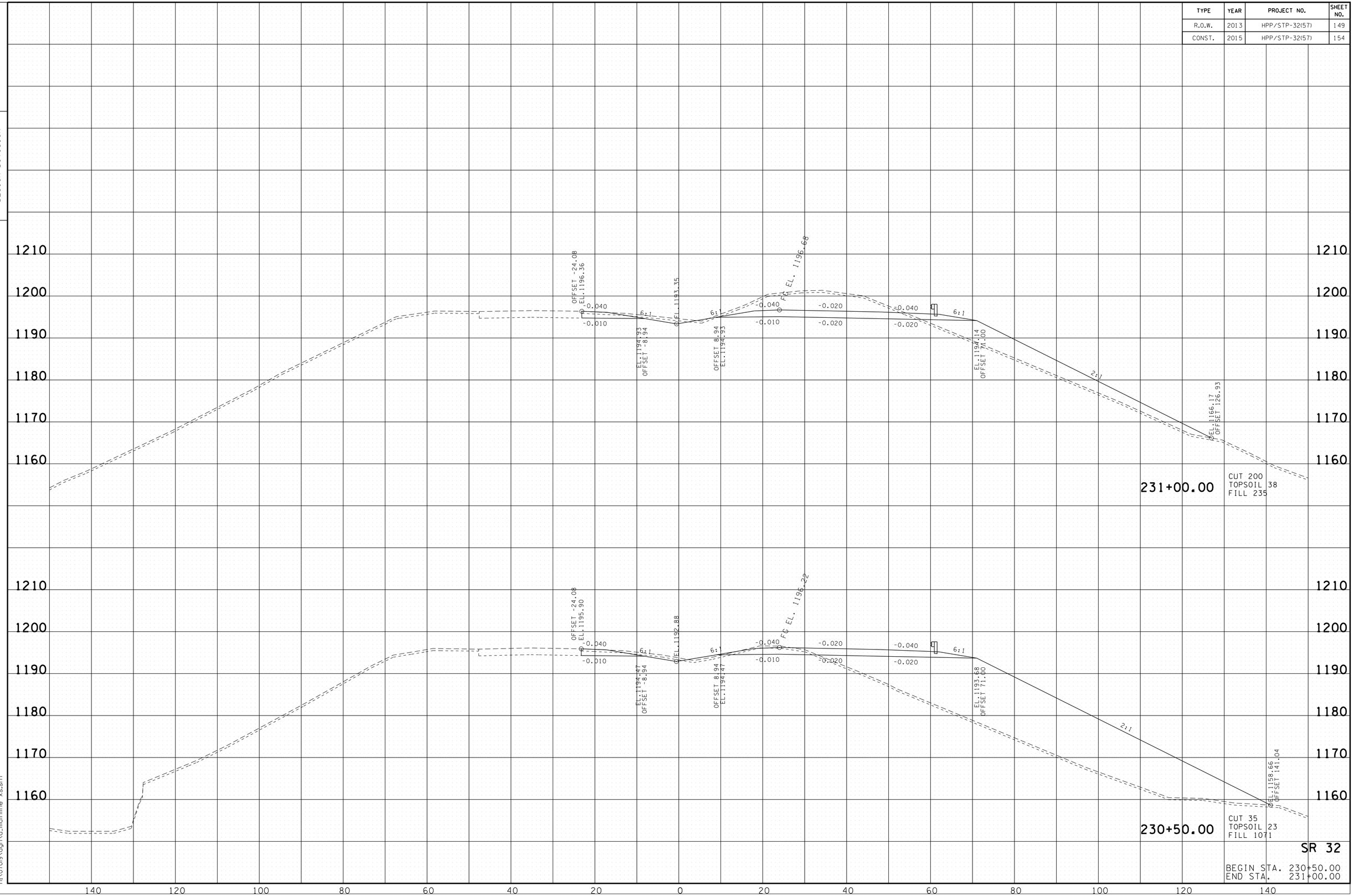
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	149
CONST.	2015	HPP/STP-32(57)	154



SR 32

BEGIN STA. 230+50.00
END STA. 231+00.00

10/20/2014
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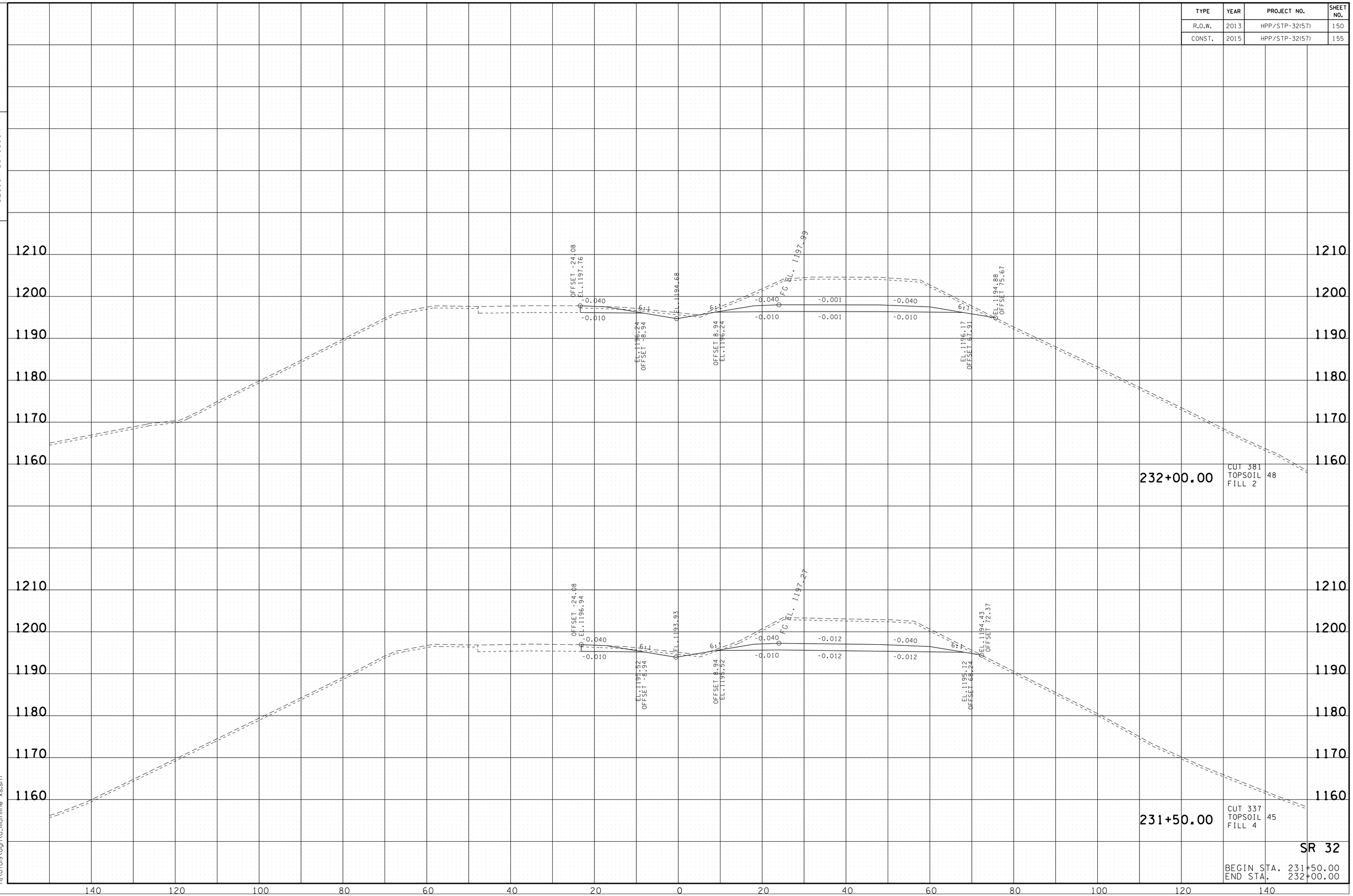
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	150
CONST.	2015	HPP/STP-32(57)	155



10/20/2014
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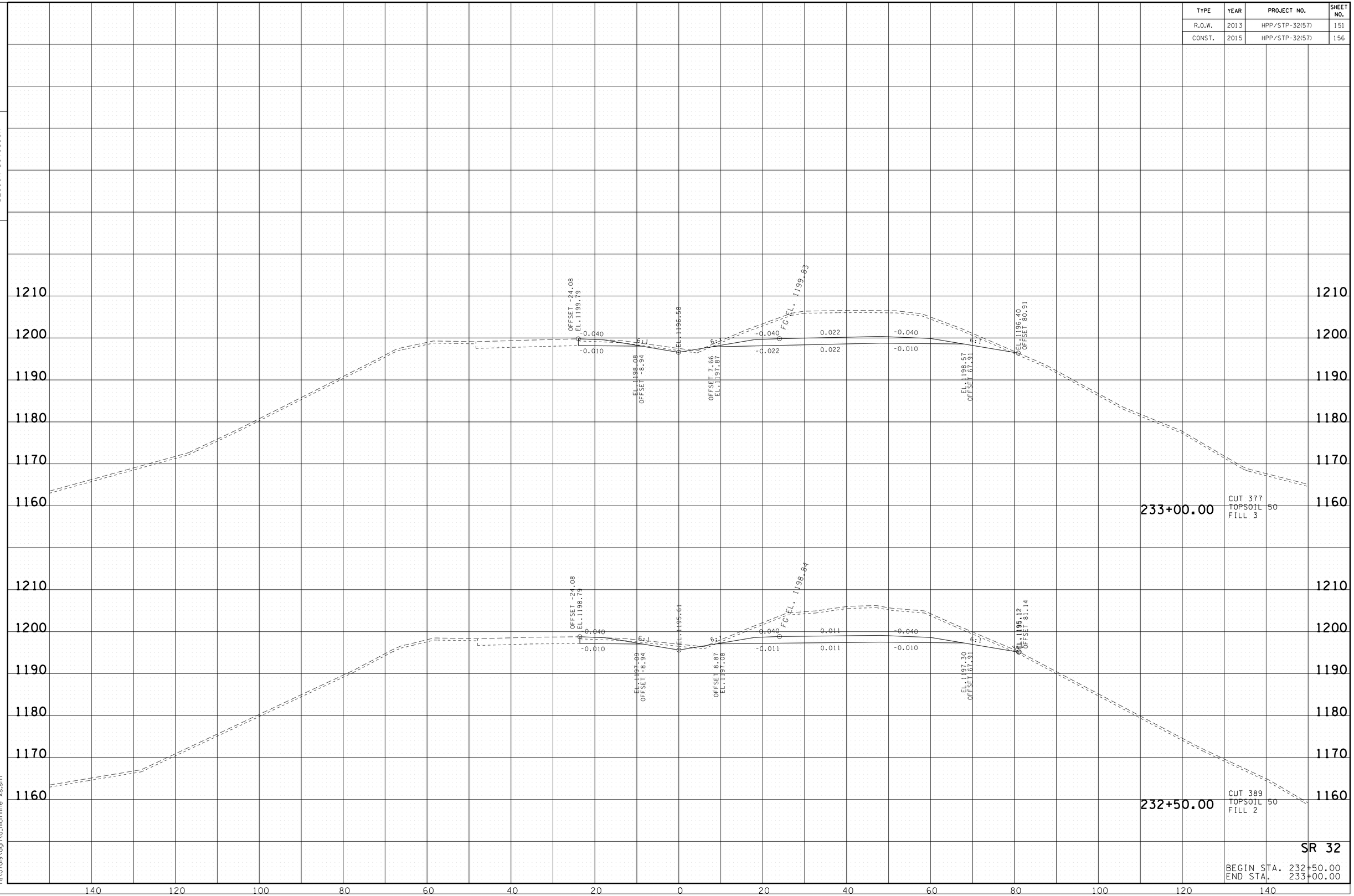
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	151
CONST.	2015	HPP/STP-32(57)	156



SR 32

BEGIN STA. 232+50.00
END STA. 233+00.00

10/20/2014
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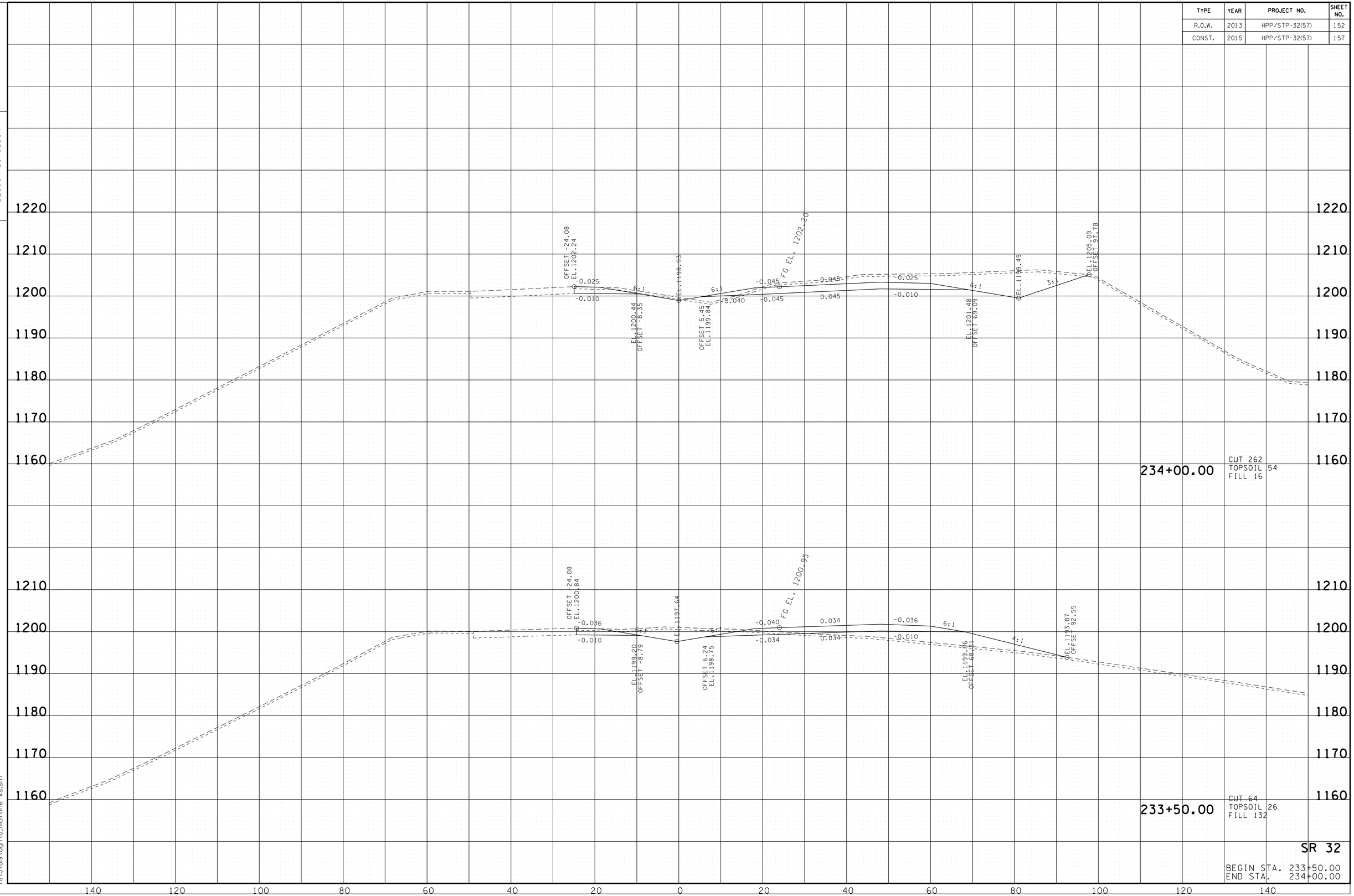
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	152
CONST.	2015	HPP/STP-32(57)	157



SR 32

BEGIN STA. 233+50.00
END STA. 234+00.00

10/20/2014
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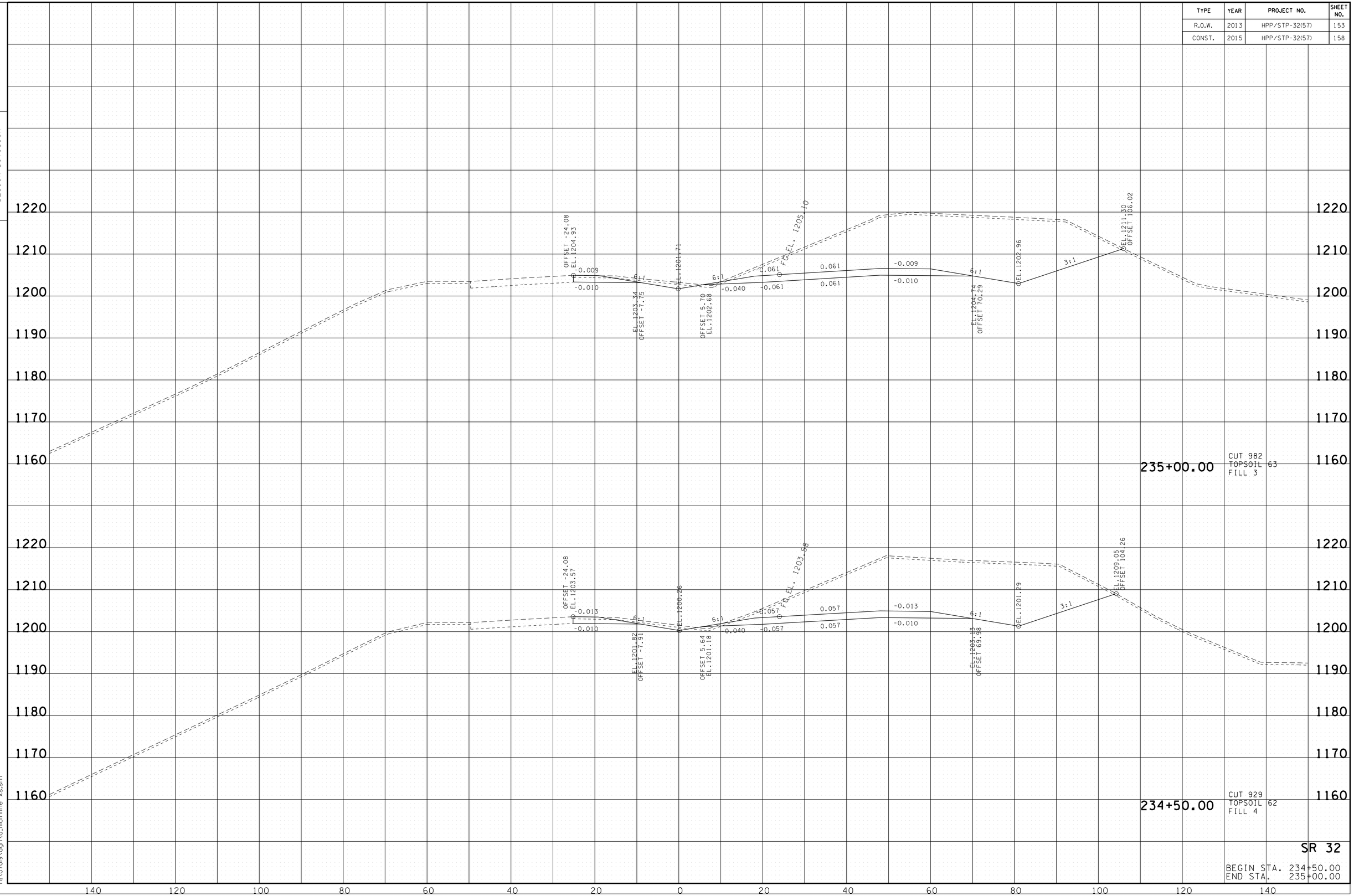
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	153
CONST.	2015	HPP/STP-32(57)	158



SR 32

BEGIN STA. 234+50.00
END STA. 235+00.00

10/20/2014
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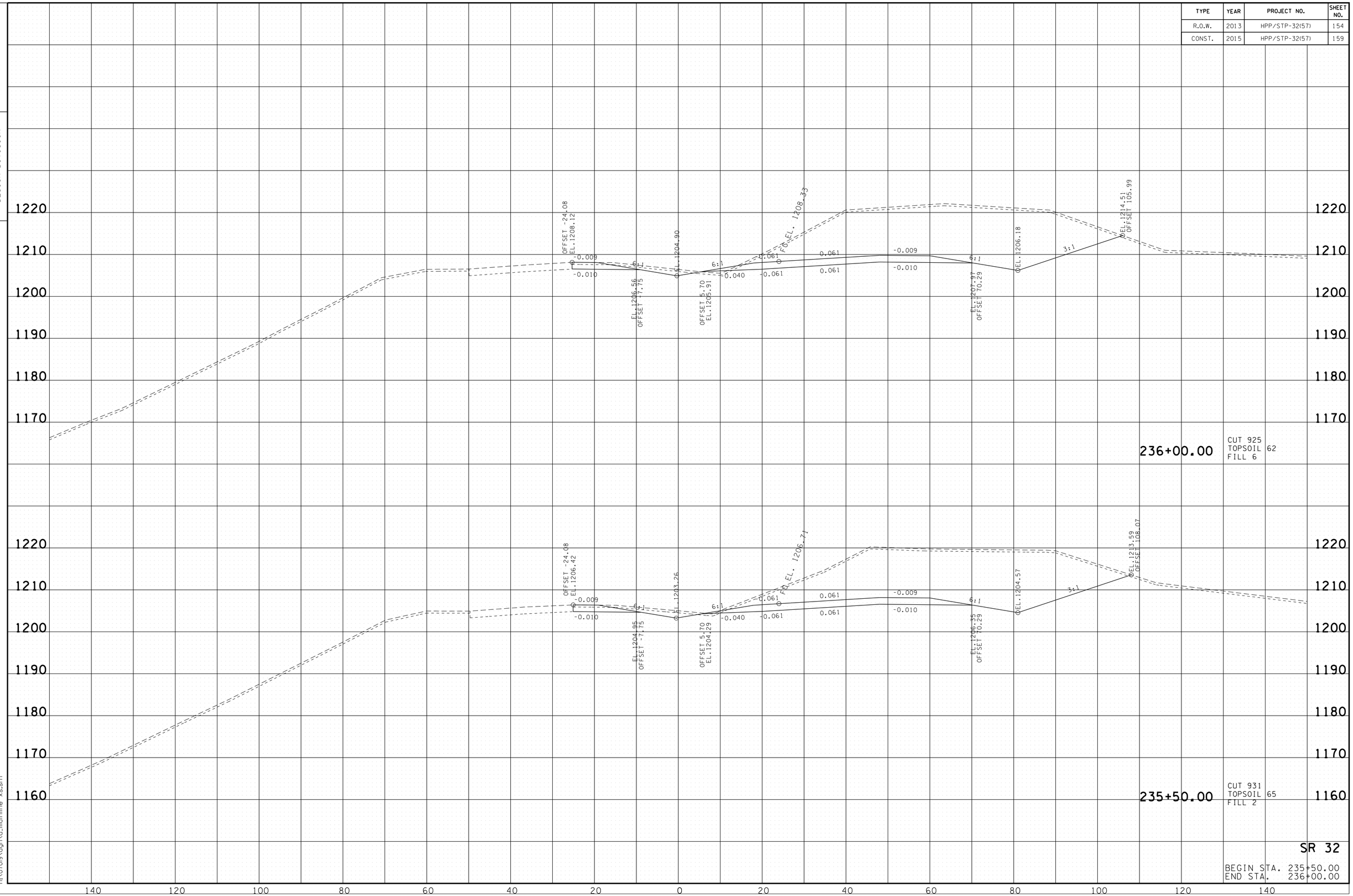
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	154
CONST.	2015	HPP/STP-32(57)	159



SR 32

BEGIN STA. 235+50.00
END STA. 236+00.00

10/20/2014
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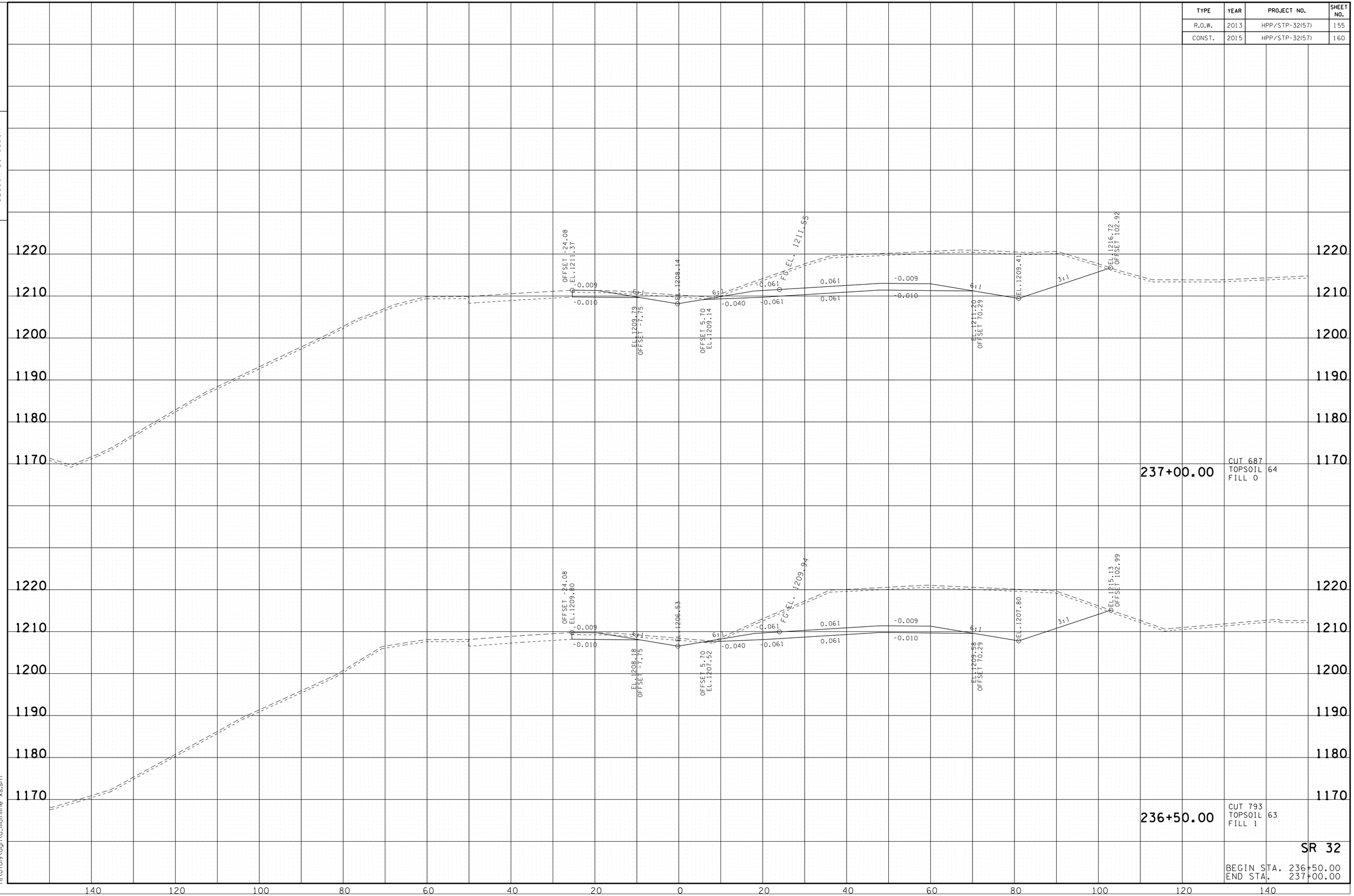
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	155
CONST.	2015	HPP/STP-32(57)	160



237+00.00

CUT 687
TOPSOIL 64
FILL 0

236+50.00

CUT 793
TOPSOIL 63
FILL 1

SR 32

BEGIN STA. 236+50.00
END STA. 237+00.00

10/20/2014
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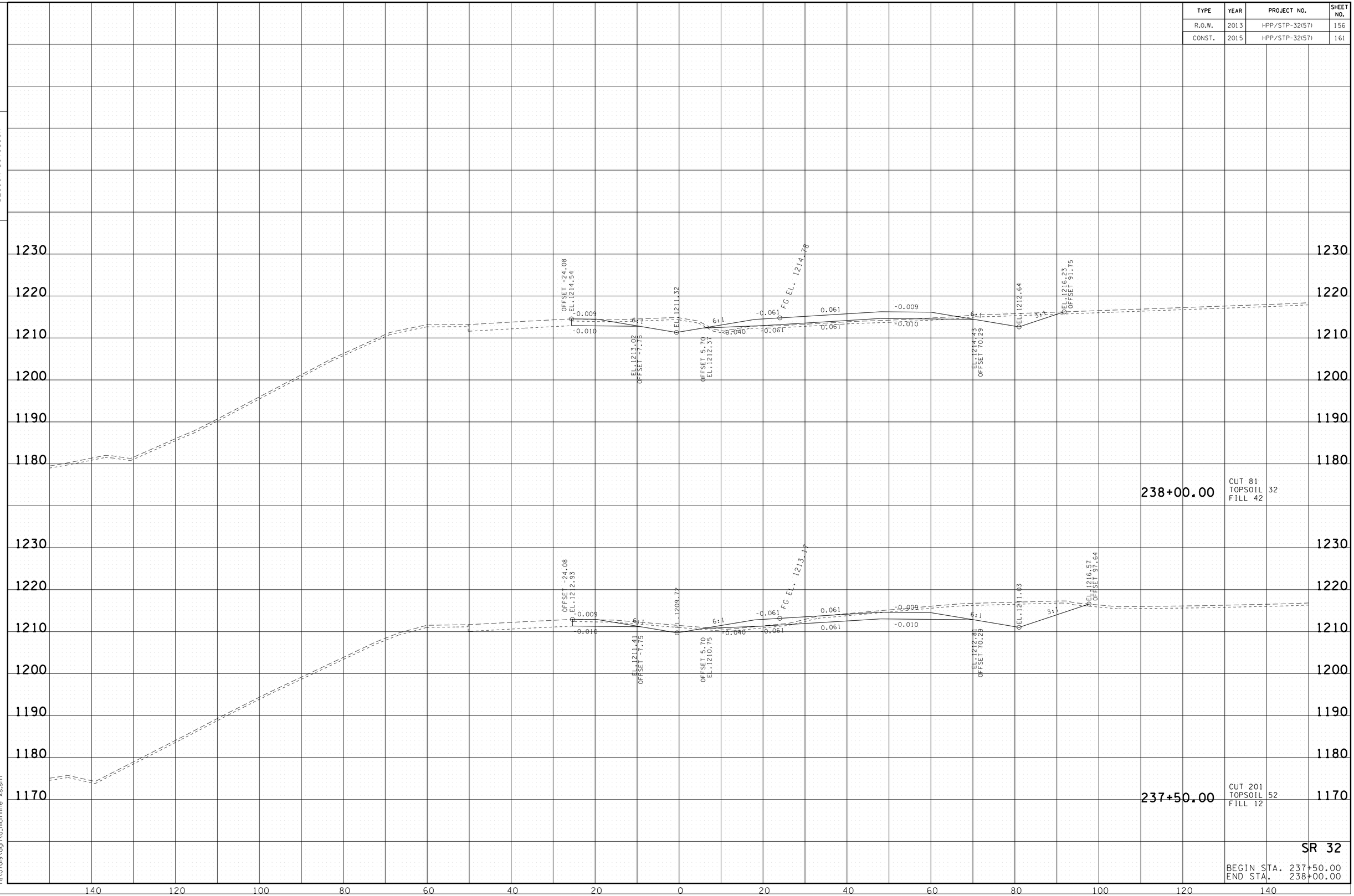
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	156
CONST.	2015	HPP/STP-32(57)	161



SR 32

BEGIN STA. 237+50.00
END STA. 238+00.00

10/20/2014
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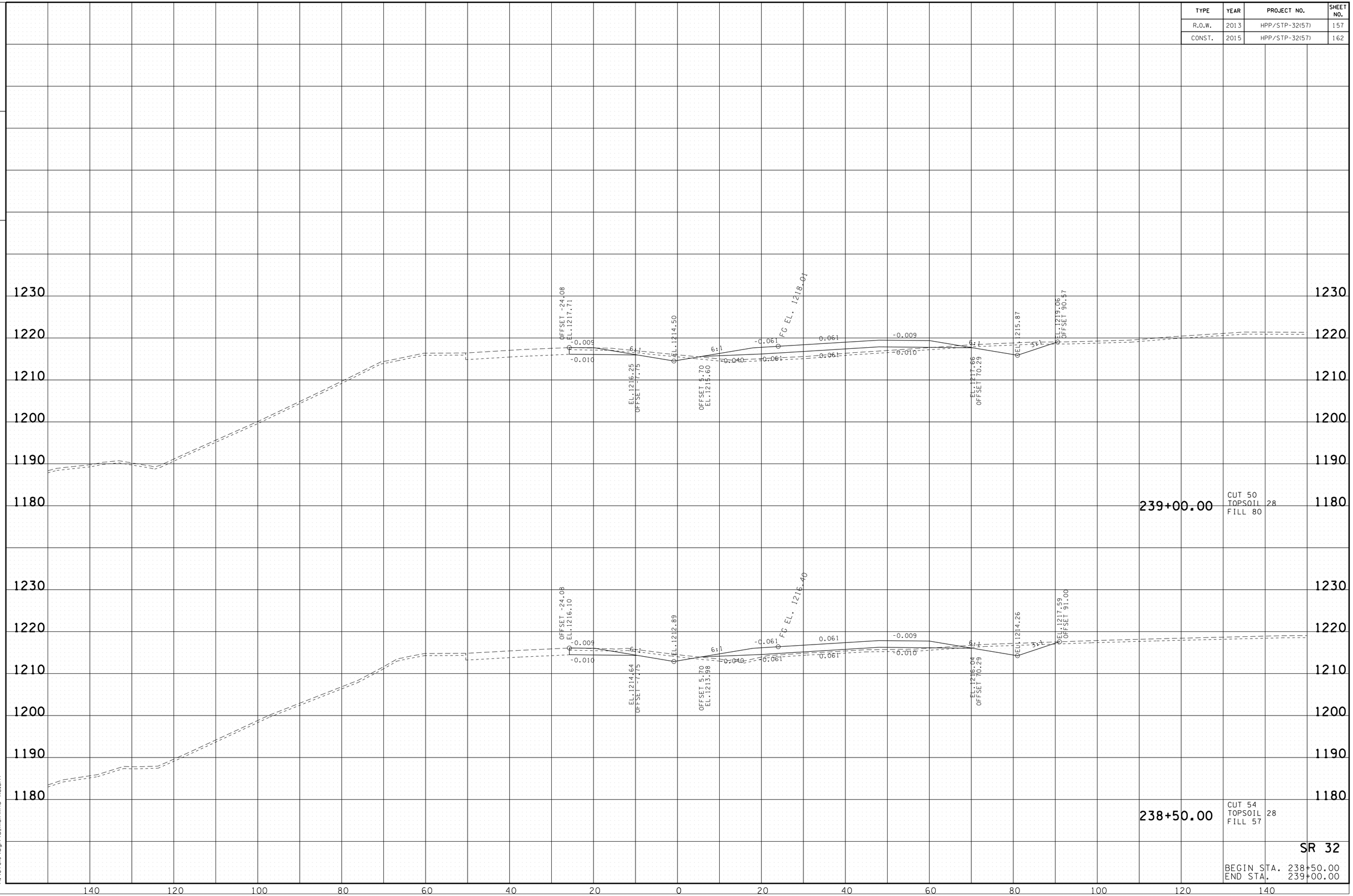
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	157
CONST.	2015	HPP/STP-32(57)	162



SR 32

BEGIN STA. 238+50.00
END STA. 239+00.00

10/20/2014
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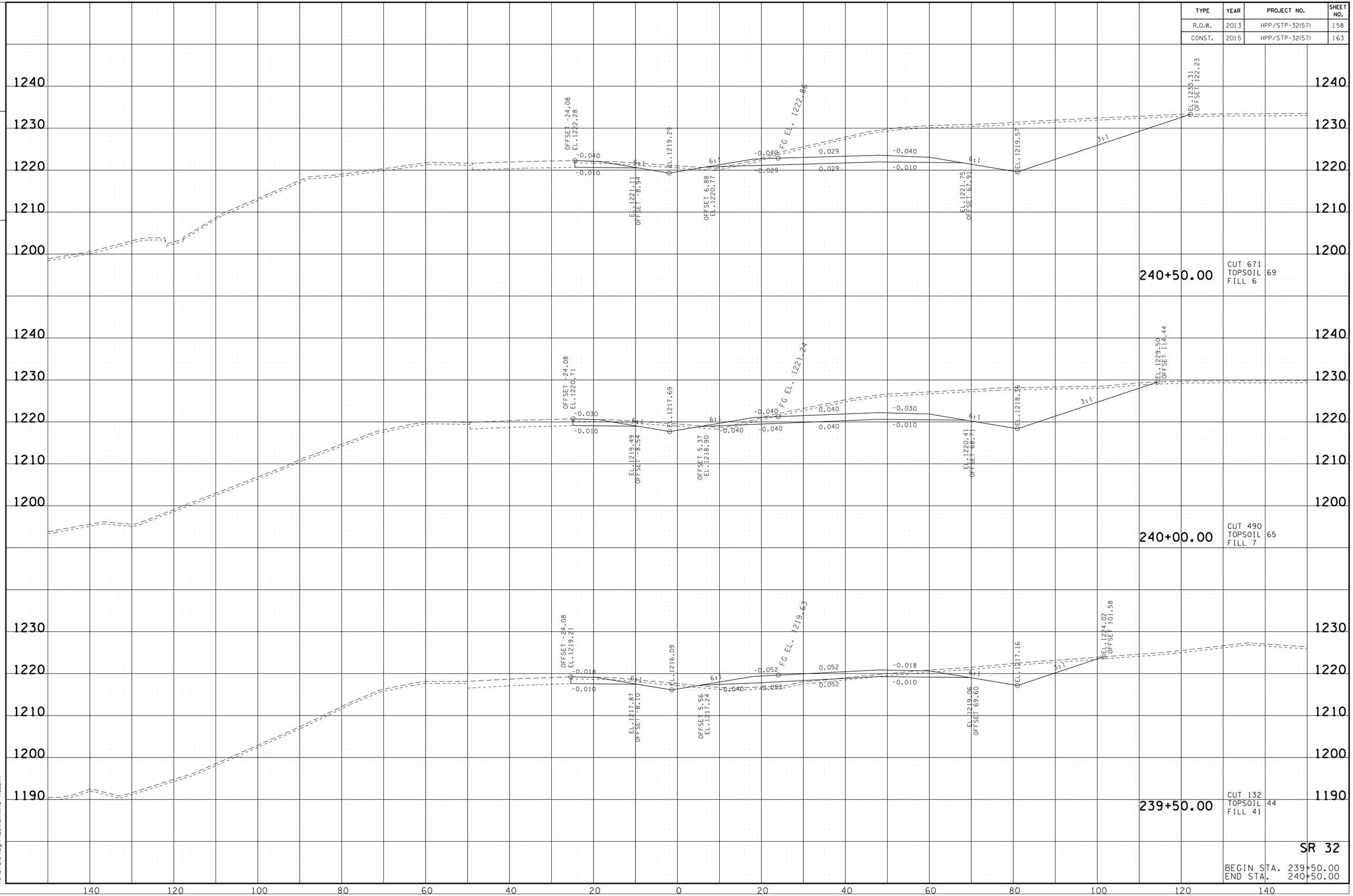
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	158
CONST.	2015	HPP/STP-32(57)	163



SR 32

BEGIN STA. 239+50.00
END STA. 240+50.00

10/20/2014
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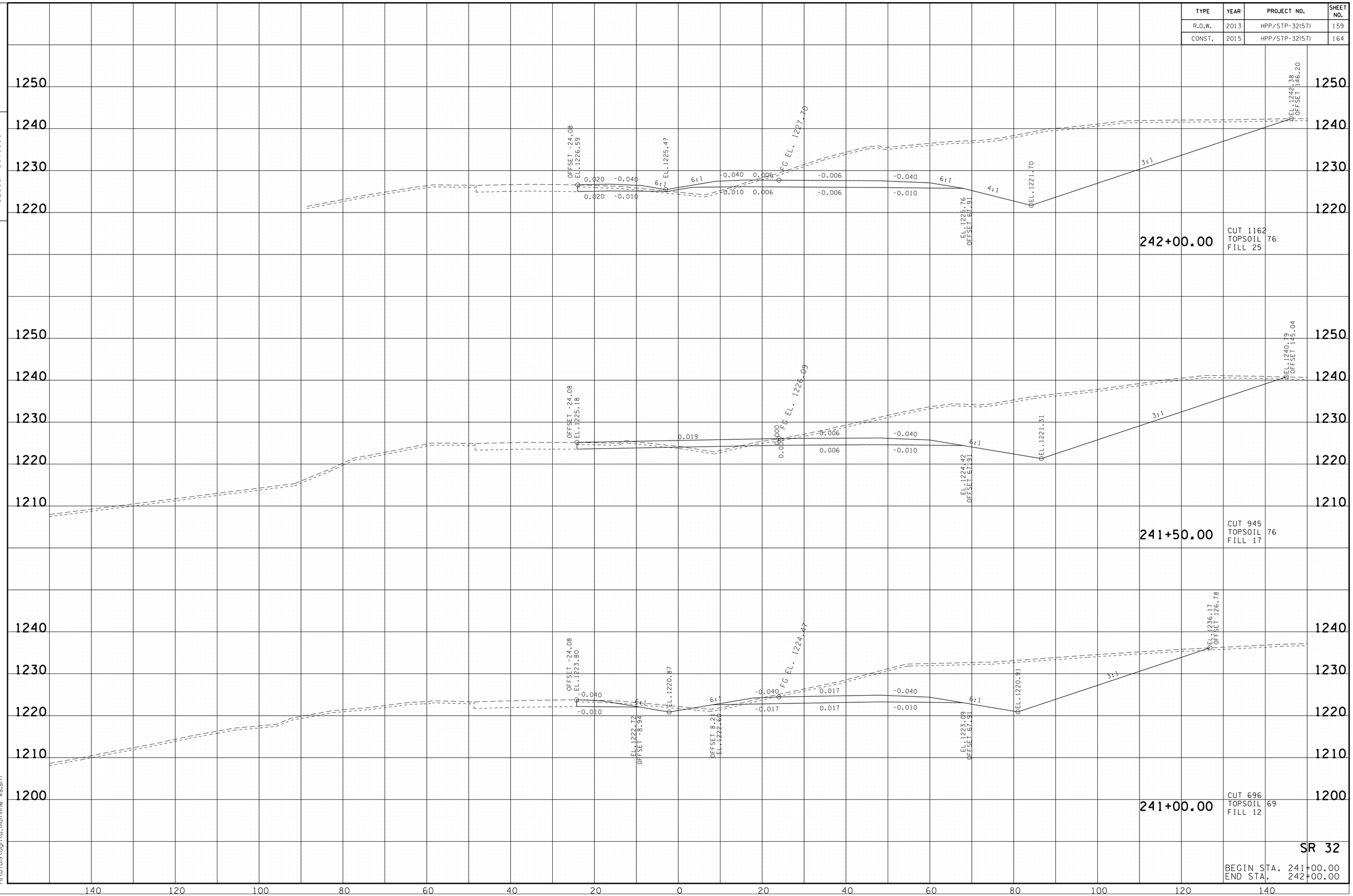
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	159
CONST.	2015	HPP/STP-32(57)	164

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 241+00.00
END STA. 242+00.00

10/20/2014
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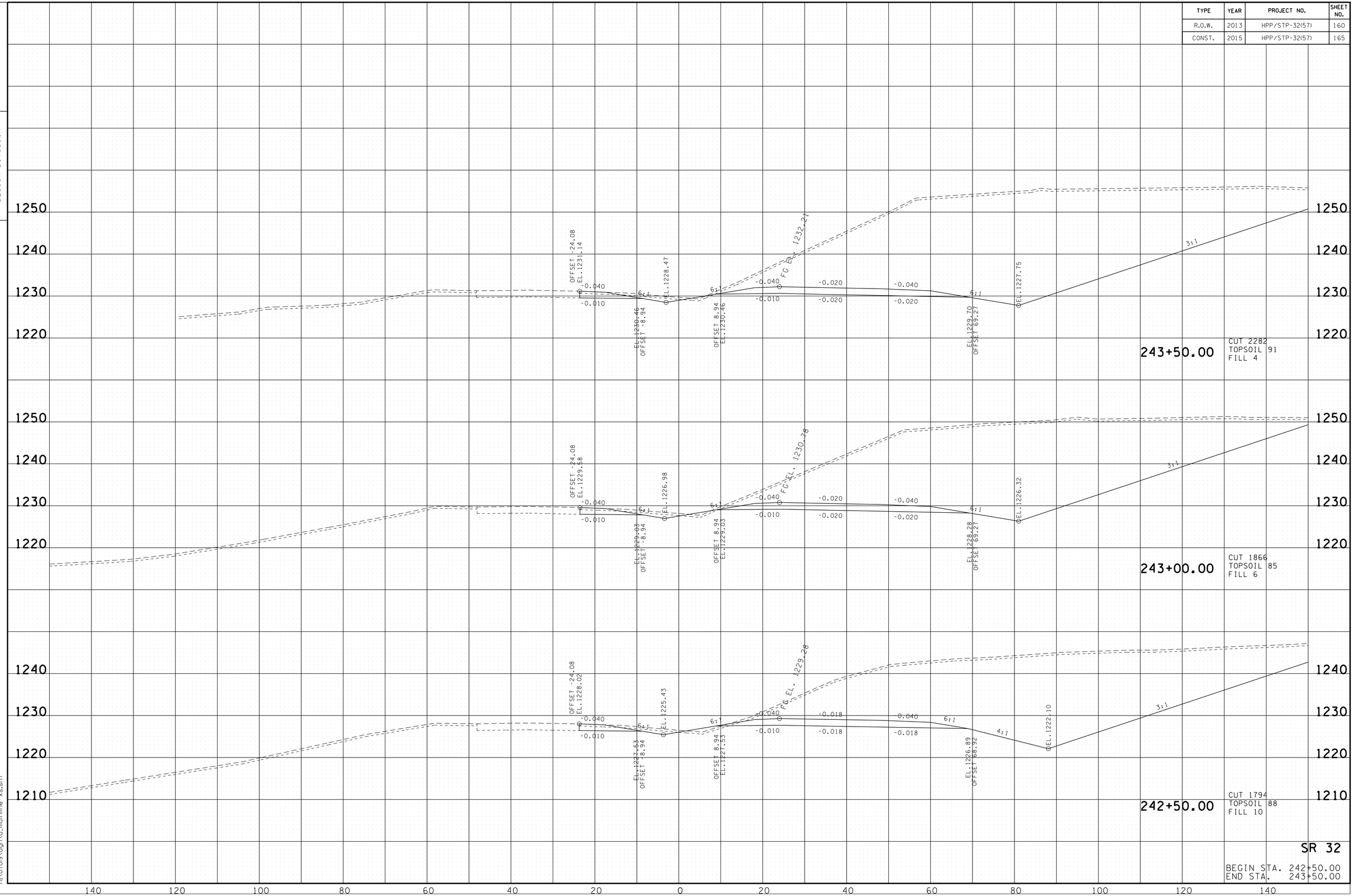
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	160
CONST.	2015	HPP/STP-32(57)	165



SR 32

BEGIN STA. 242+50.00
END STA. 243+50.00

10/20/2014
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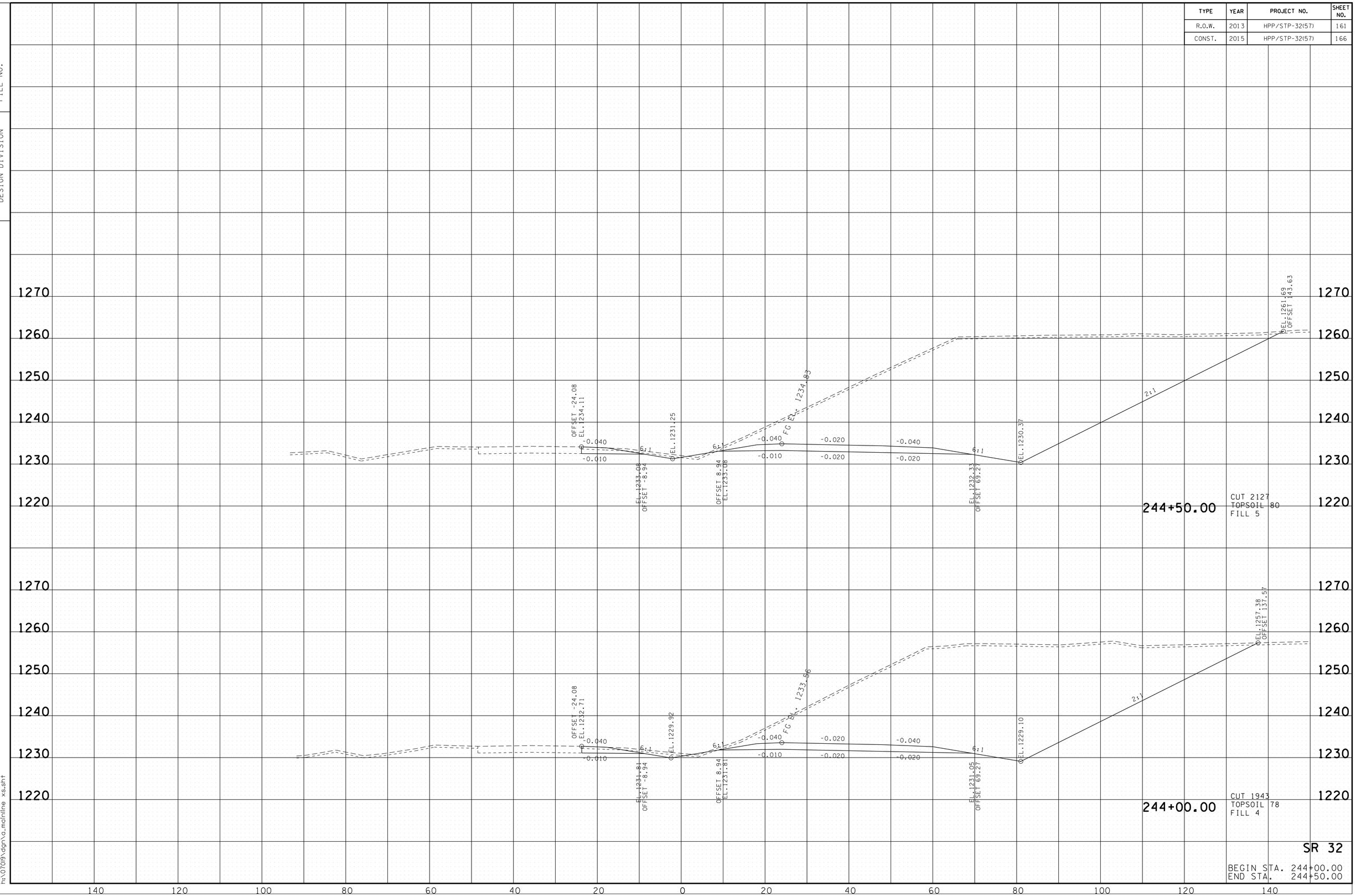
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	161
CONST.	2015	HPP/STP-32(57)	166



SR 32

BEGIN STA. 244+00.00
END STA. 244+50.00

10/20/2014
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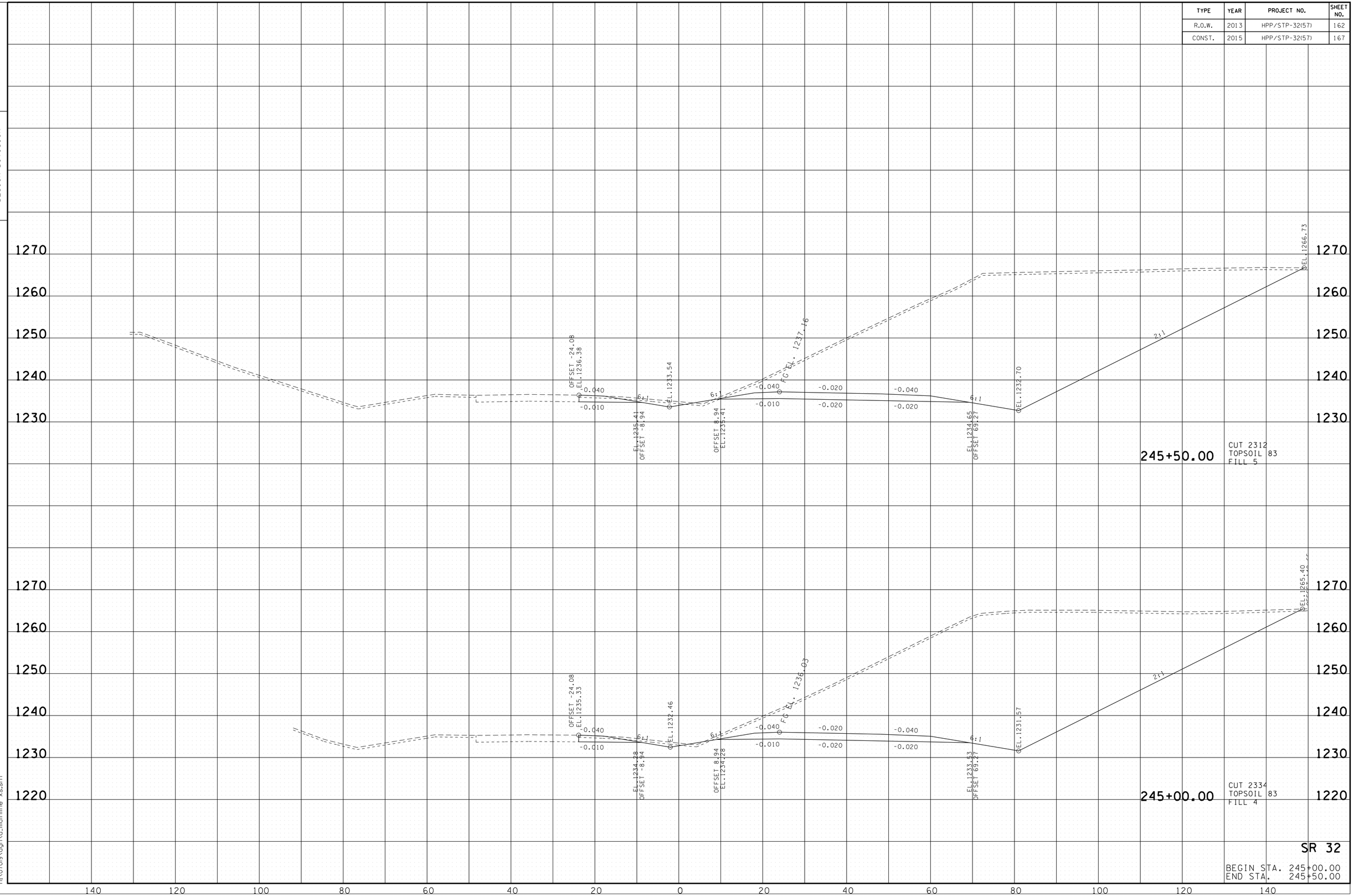
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	162
CONST.	2015	HPP/STP-32(57)	167



SR 32

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

10/20/2014
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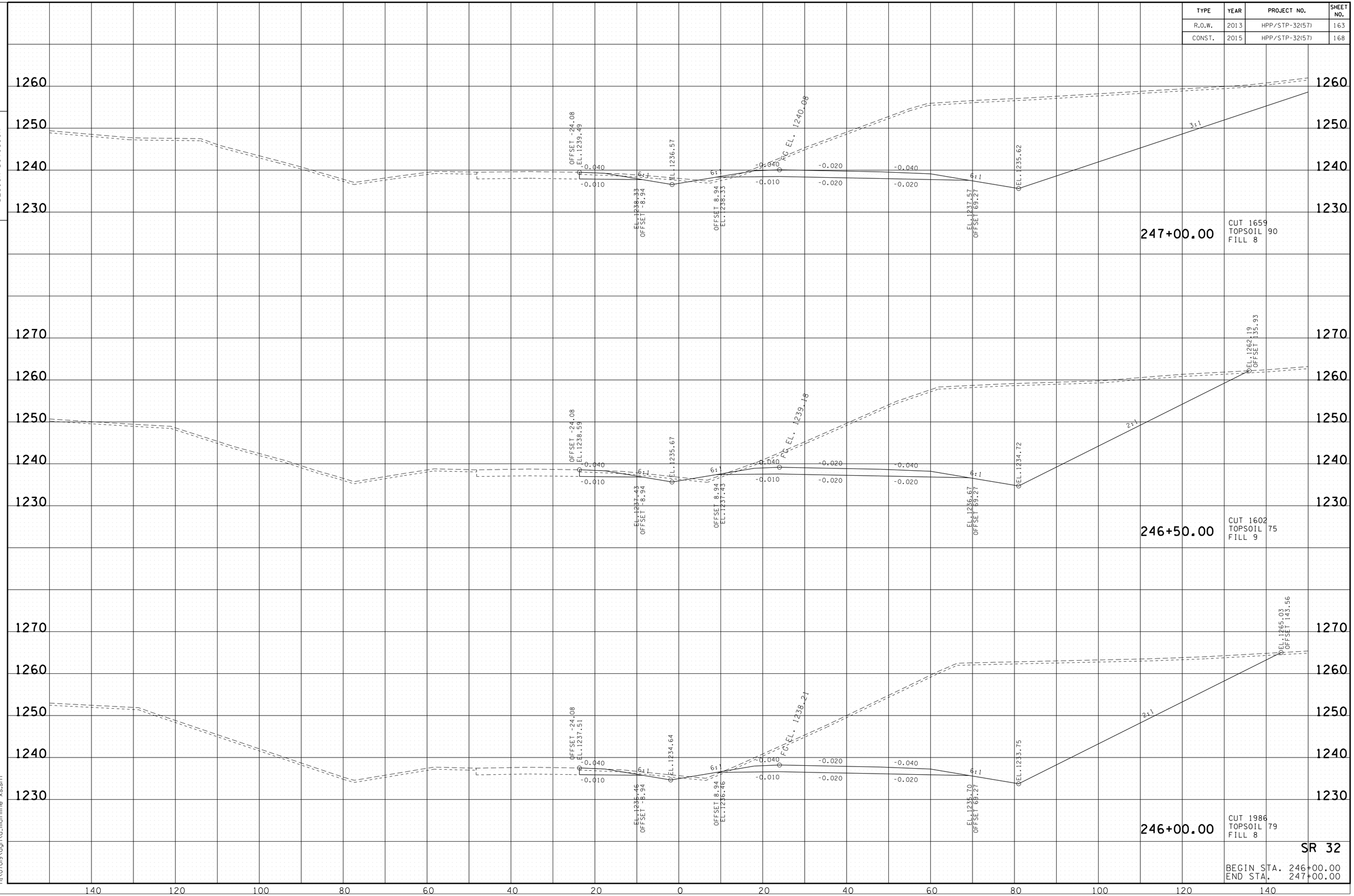
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	163
CONST.	2015	HPP/STP-32(57)	168



SR 32

BEGIN STA. 246+00.00
END STA. 247+00.00

10/20/2014
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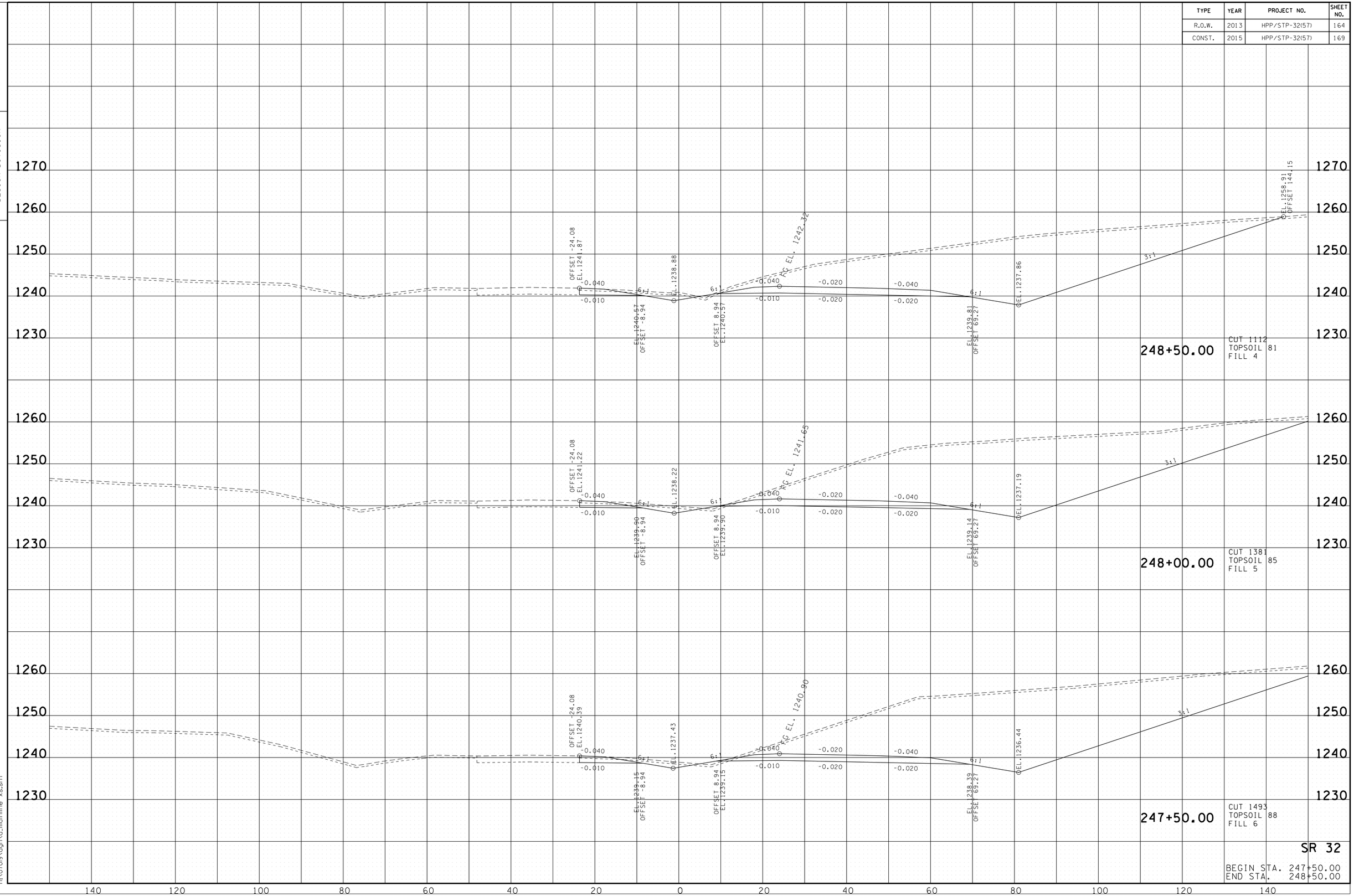
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	164
CONST.	2015	HPP/STP-32(57)	169



SR 32

BEGIN STA. 247+50.00
END STA. 248+50.00

10/20/2014
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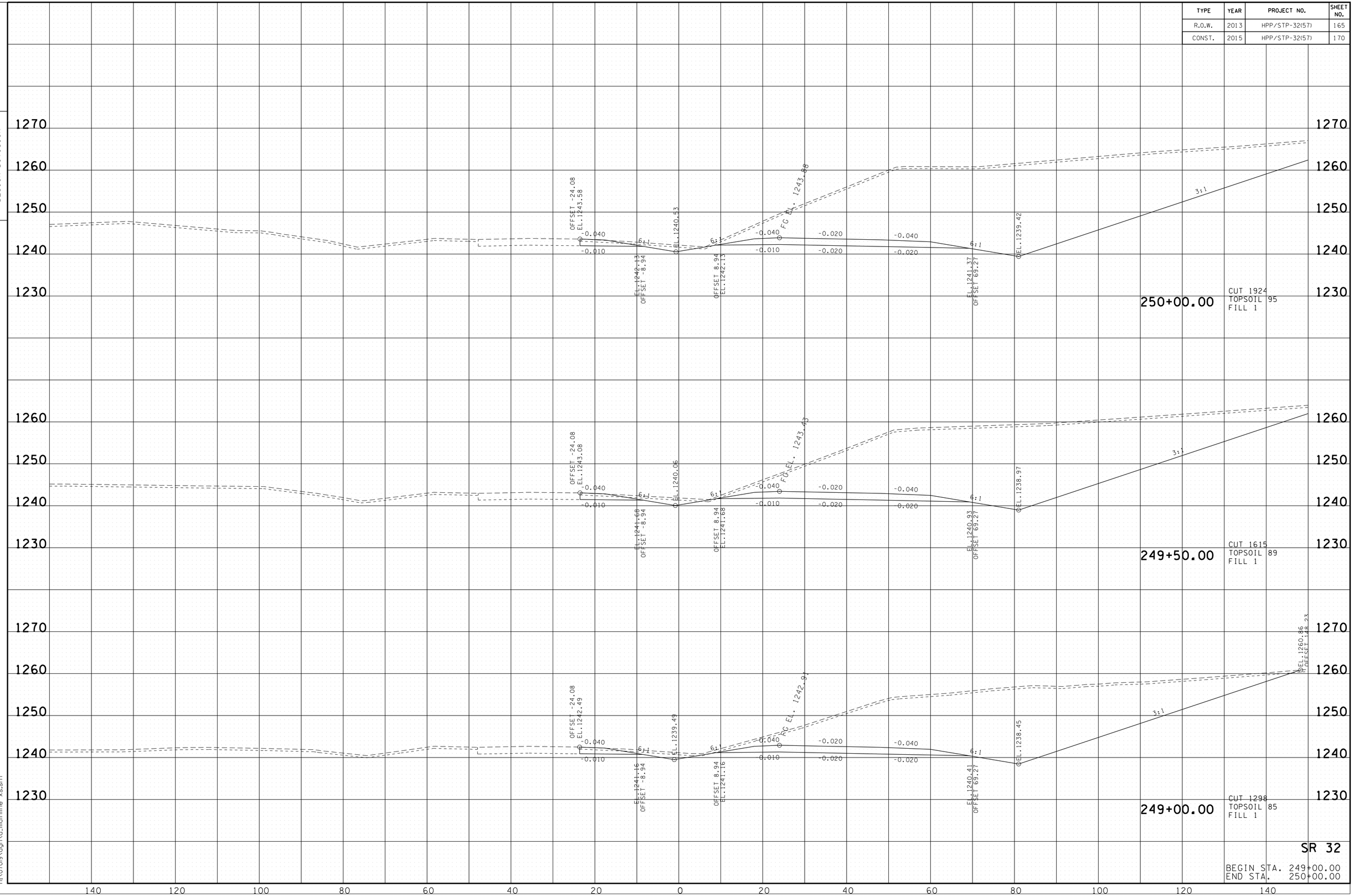
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	165
CONST.	2015	HPP/STP-32(57)	170



SR 32

BEGIN STA. 249+00.00
END STA. 250+00.00

10/20/2014
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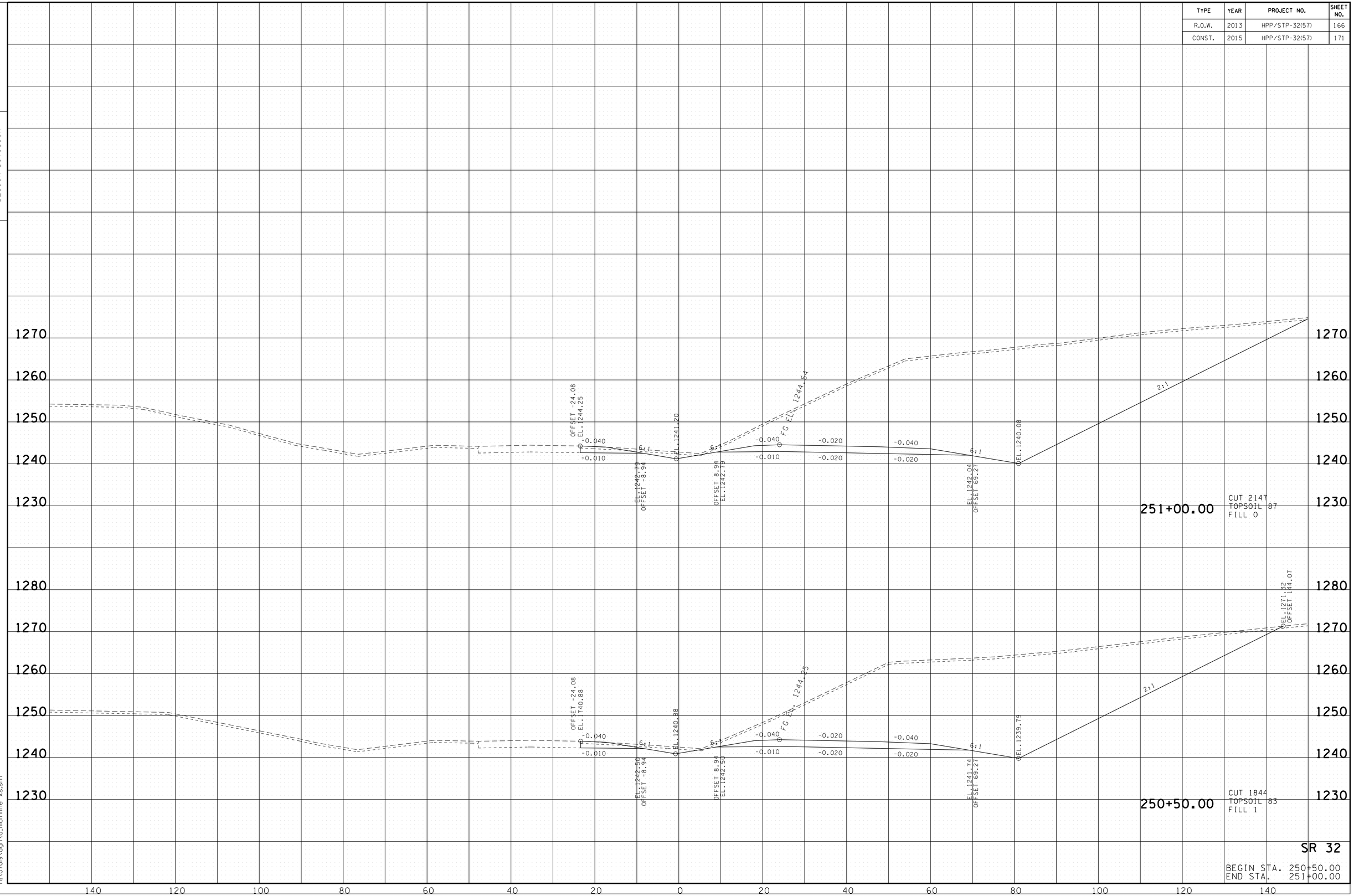
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	166
CONST.	2015	HPP/STP-32(57)	171



SR 32

BEGIN STA. 250+50.00
END STA. 251+00.00

10/20/2014
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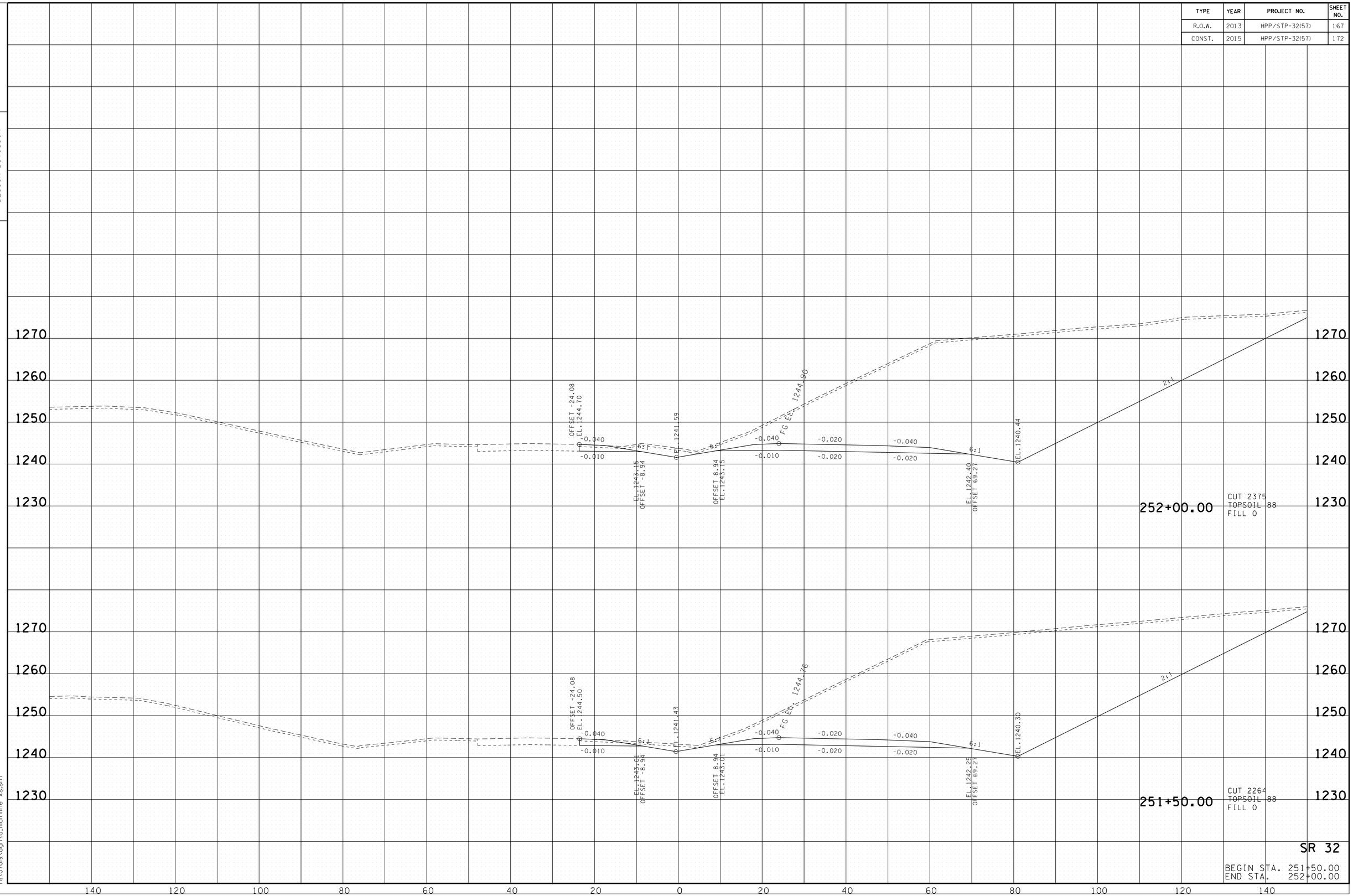
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	167
CONST.	2015	HPP/STP-32(57)	172



SR 32

BEGIN STA. 251+50.00
END STA. 252+00.00

10/20/2014
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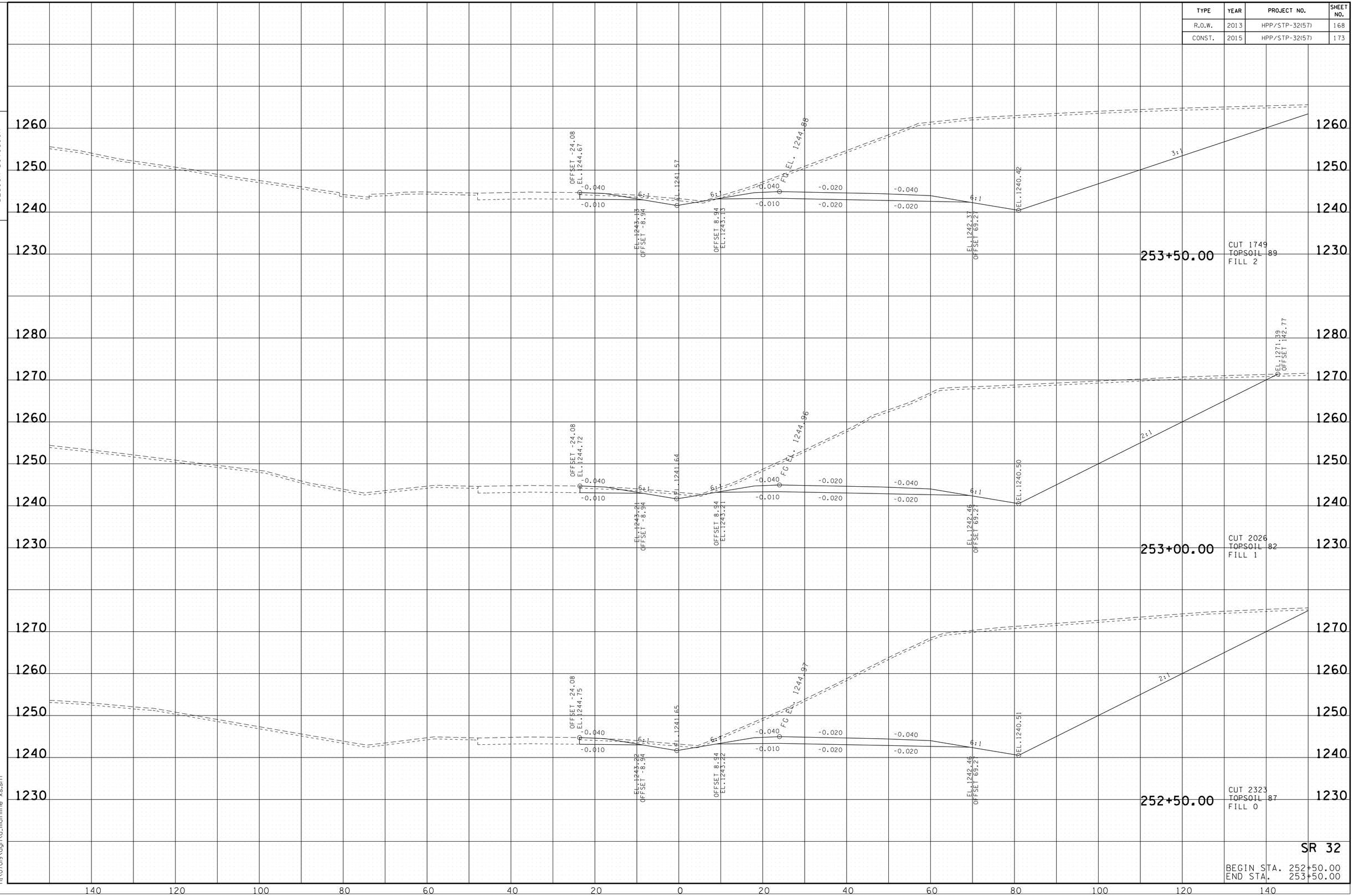
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	168
CONST.	2015	HPP/STP-32(57)	173



SR 32

BEGIN STA. 252+50.00
END STA. 253+50.00

10/20/2014
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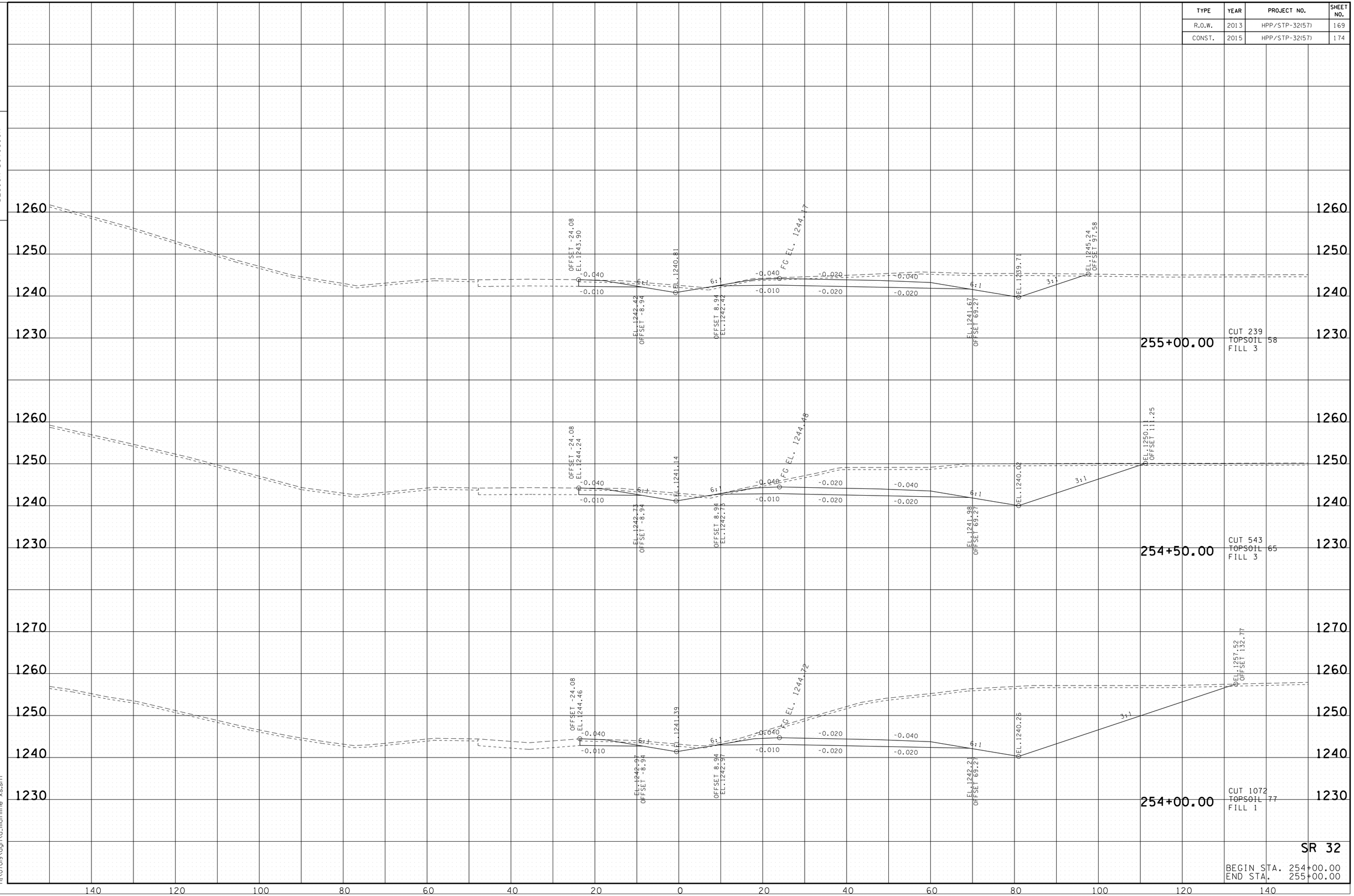
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	169
CONST.	2015	HPP/STP-32(57)	174



SR 32

BEGIN STA. 254+00.00
END STA. 255+00.00

10/20/2014
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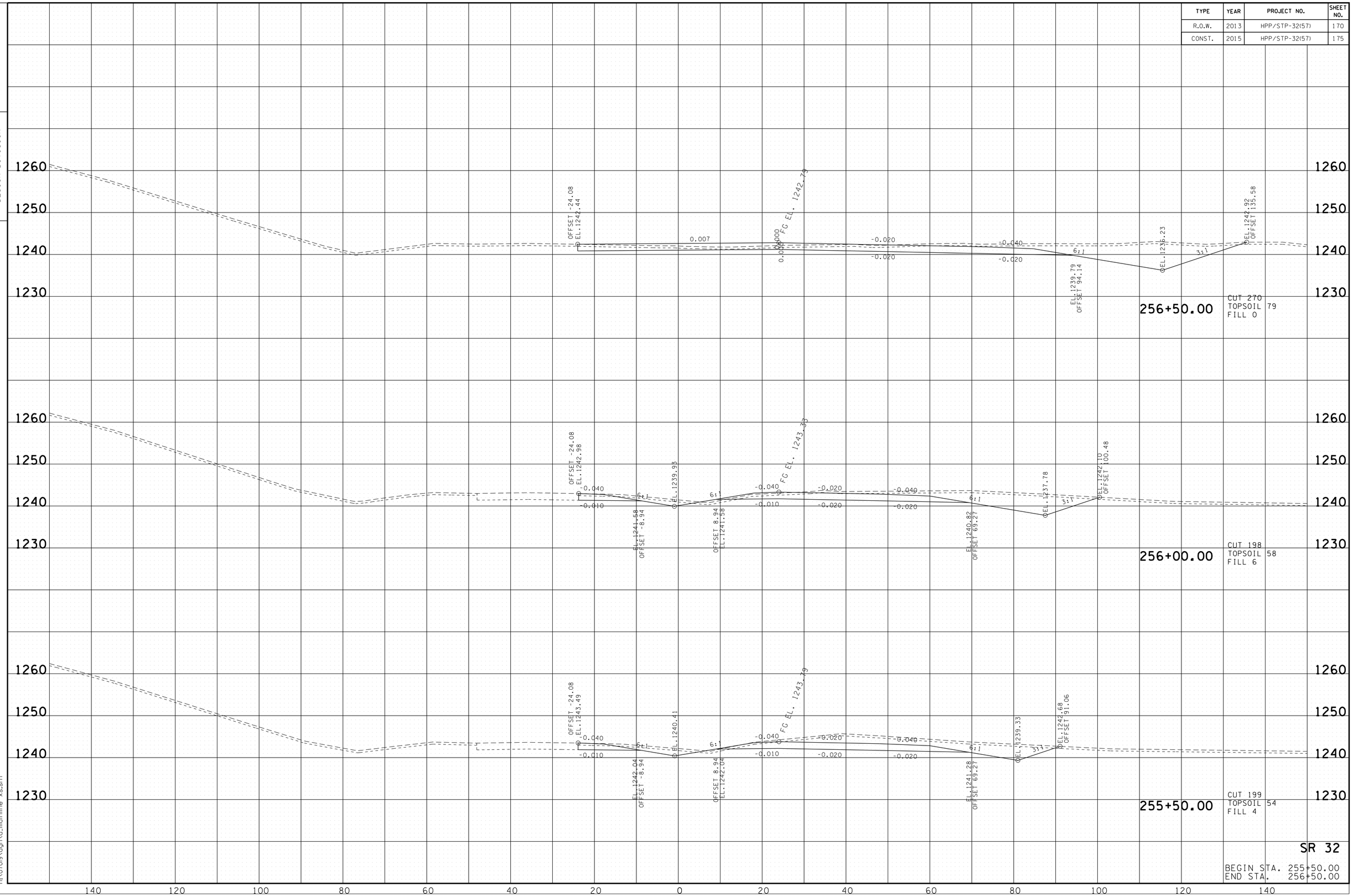
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	170
CONST.	2015	HPP/STP-32(57)	175



SR 32

BEGIN STA. 255+50.00
END STA. 256+50.00

10/20/2014
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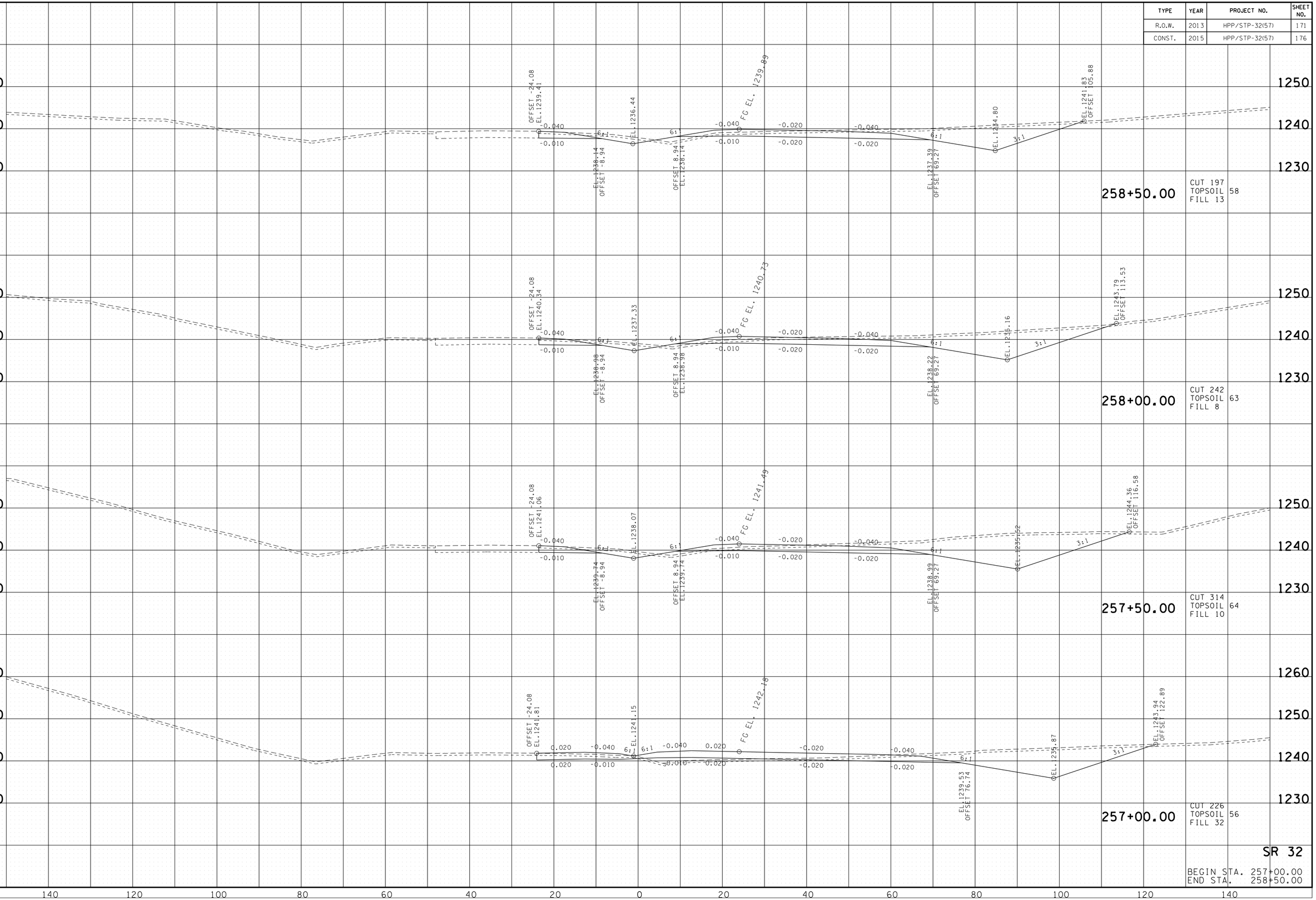
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	171
CONST.	2015	HPP/STP-32(57)	176



SR 32

BEGIN STA. 257+00.00
END STA. 258+50.00

10/20/2014
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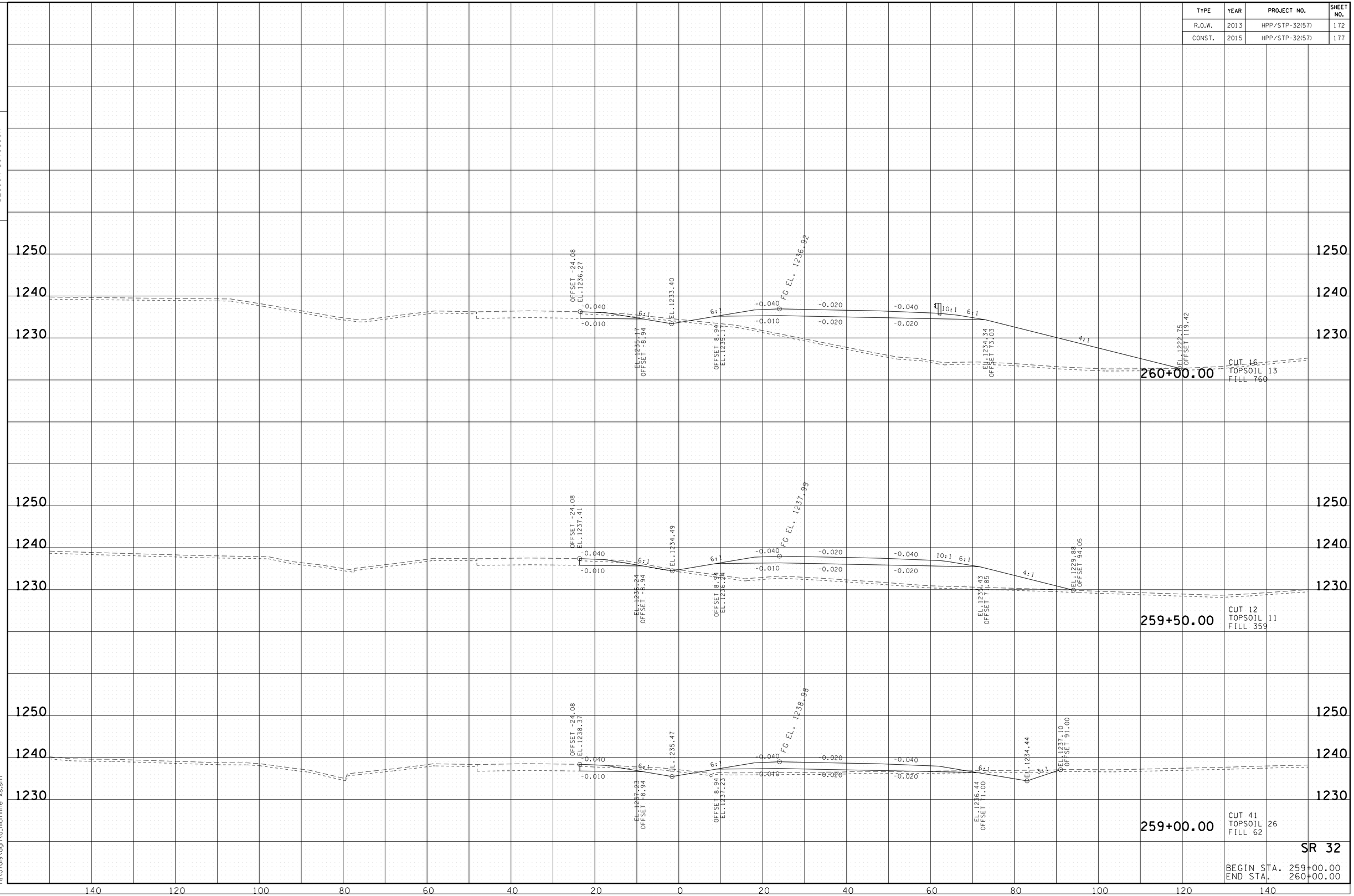
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	172
CONST.	2015	HPP/STP-32(57)	177



SR 32

BEGIN STA. 259+00.00
END STA. 260+00.00

10/20/2014
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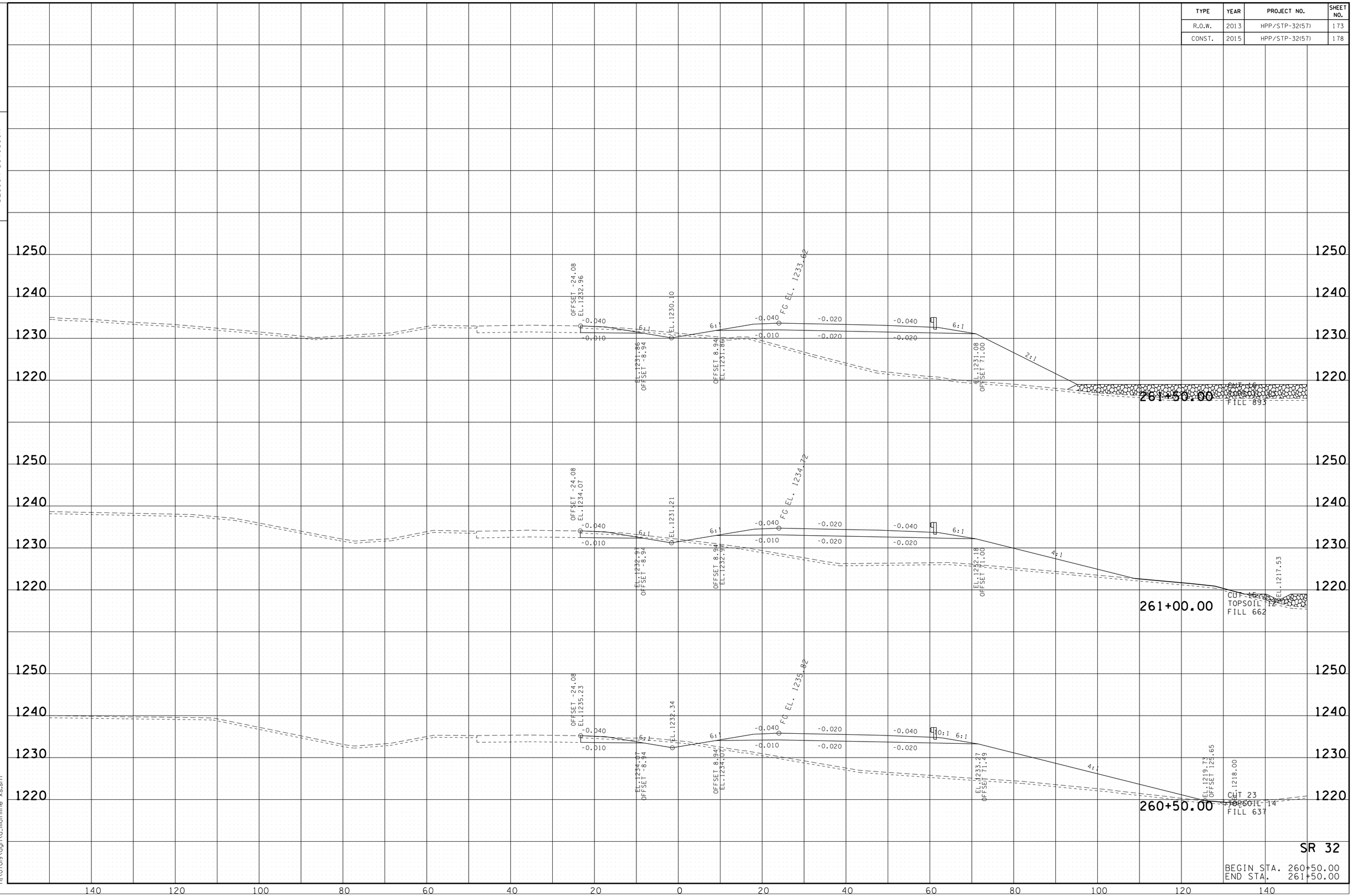
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	173
CONST.	2015	HPP/STP-32(57)	178



SR 32

BEGIN STA. 260+50.00
END STA. 261+50.00

10/20/2014
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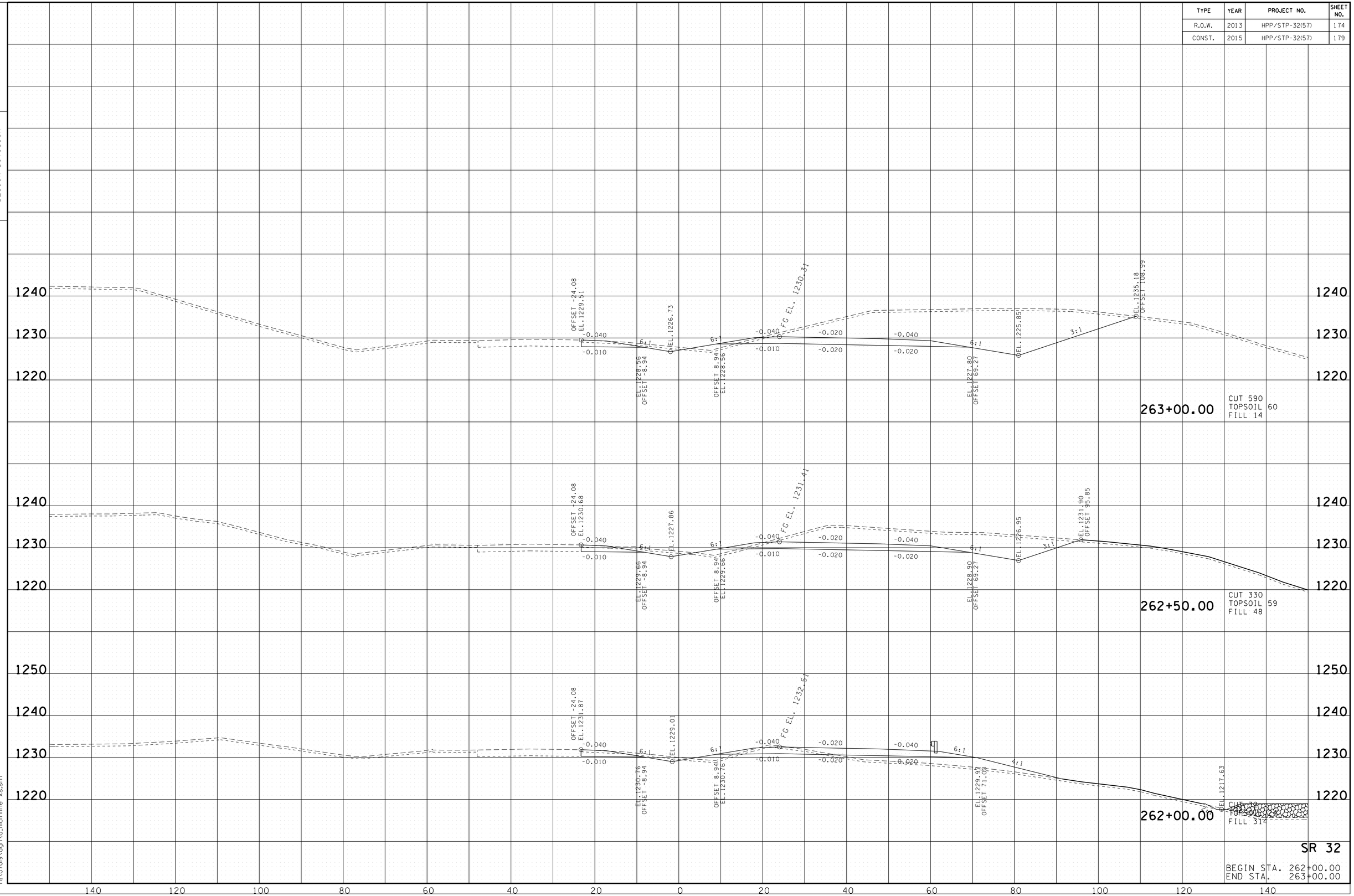
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	174
CONST.	2015	HPP/STP-32(57)	179



SR 32

BEGIN STA. 262+00.00
END STA. 263+00.00

10/20/2014
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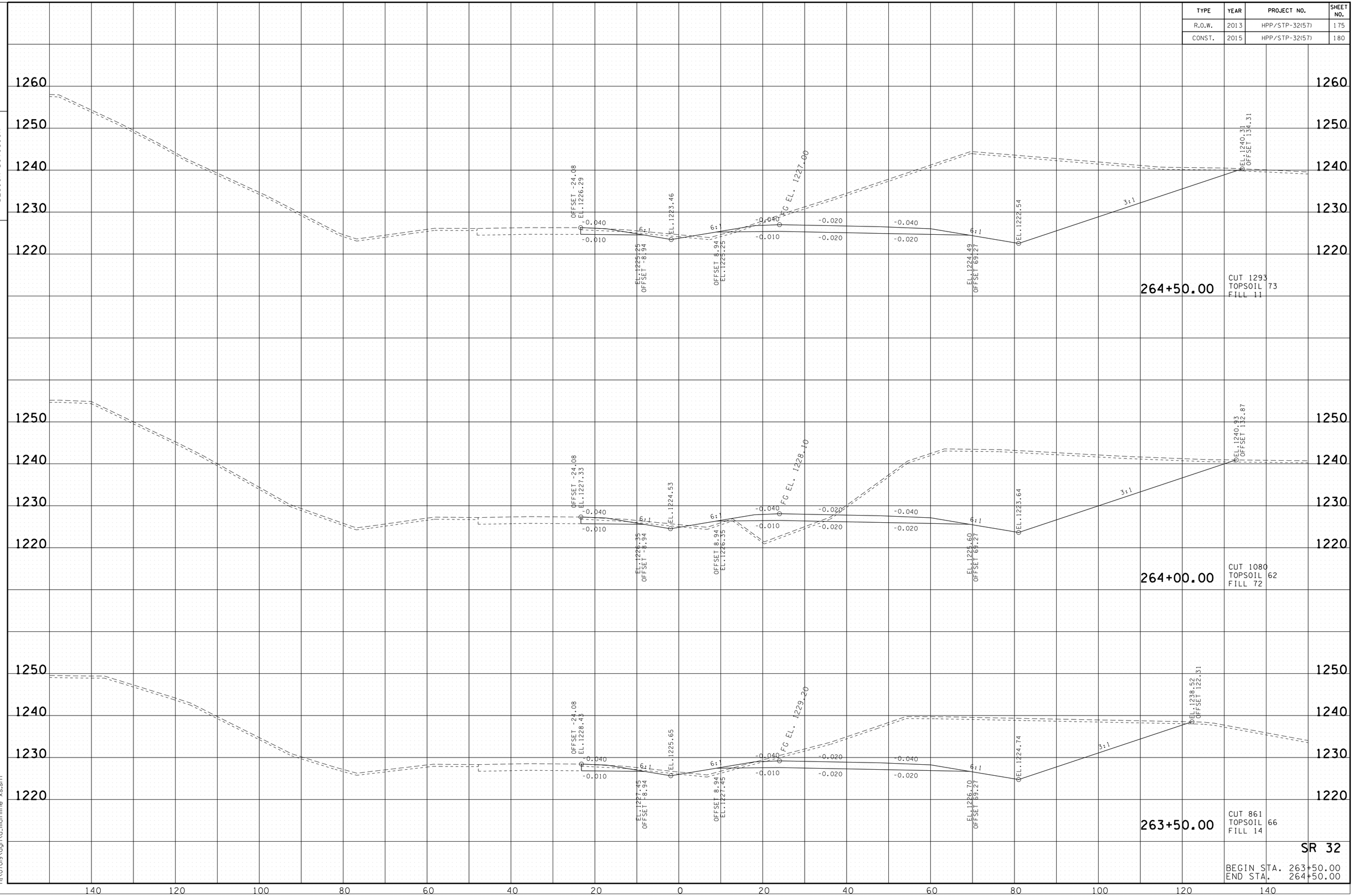
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	175
CONST.	2015	HPP/STP-32(57)	180



SR 32

BEGIN STA. 263+50.00
END STA. 264+50.00

10/20/2014
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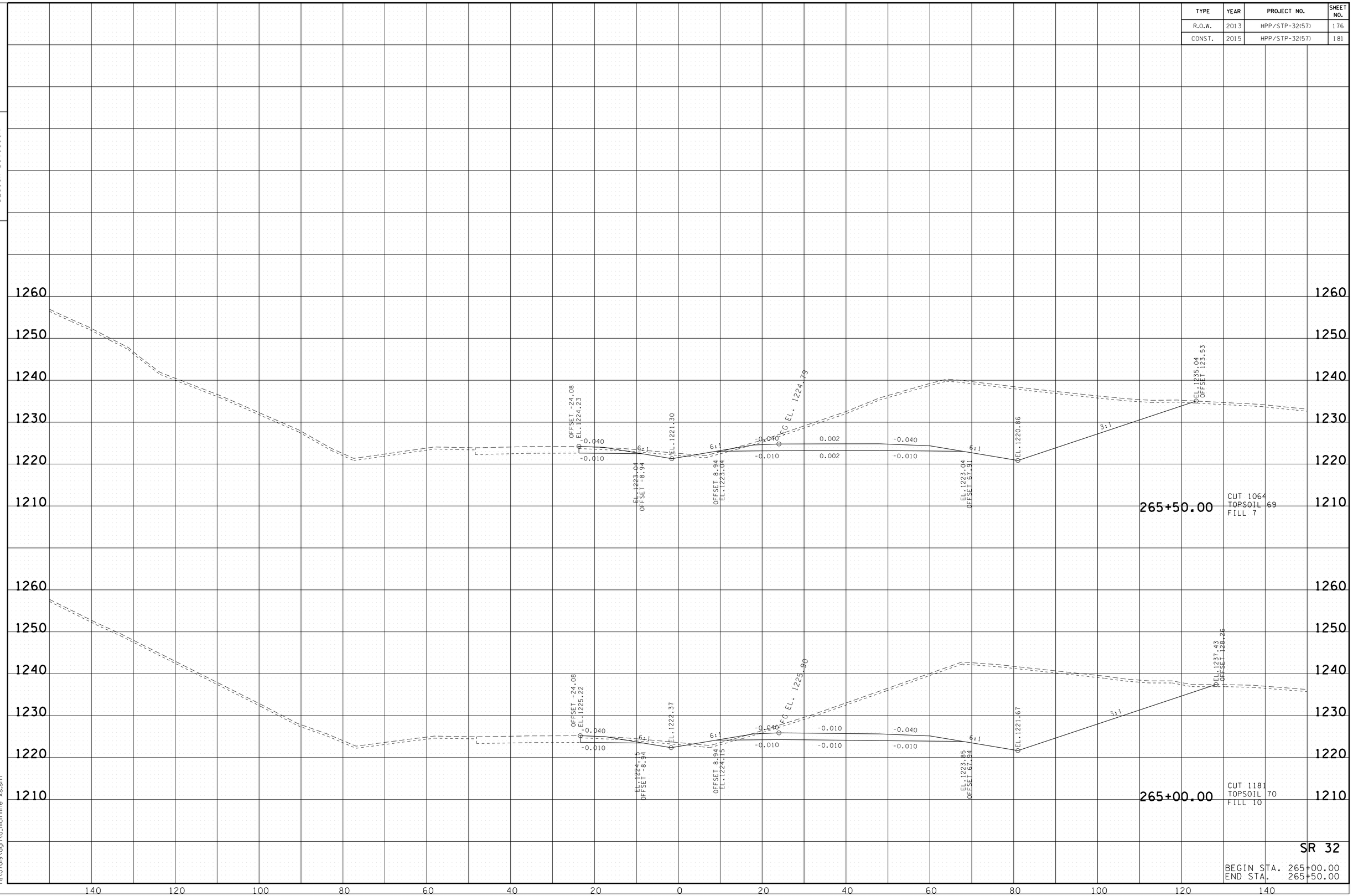
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	176
CONST.	2015	HPP/STP-32(57)	181



SR 32

BEGIN STA. 265+00.00
END STA. 265+50.00

10/20/2014
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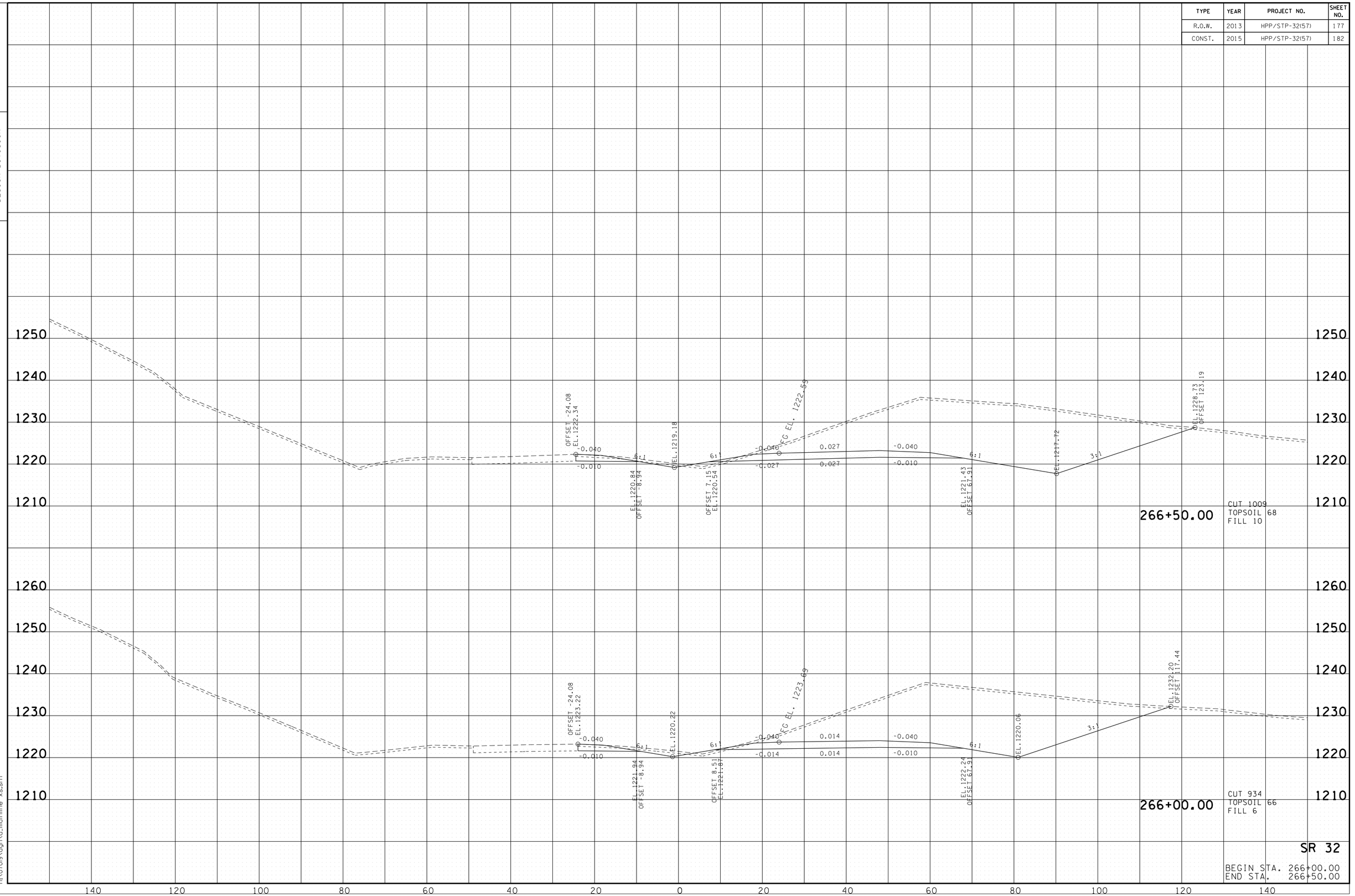
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	177
CONST.	2015	HPP/STP-32(57)	182



SR 32

BEGIN STA. 266+00.00
END STA. 266+50.00

10/20/2014
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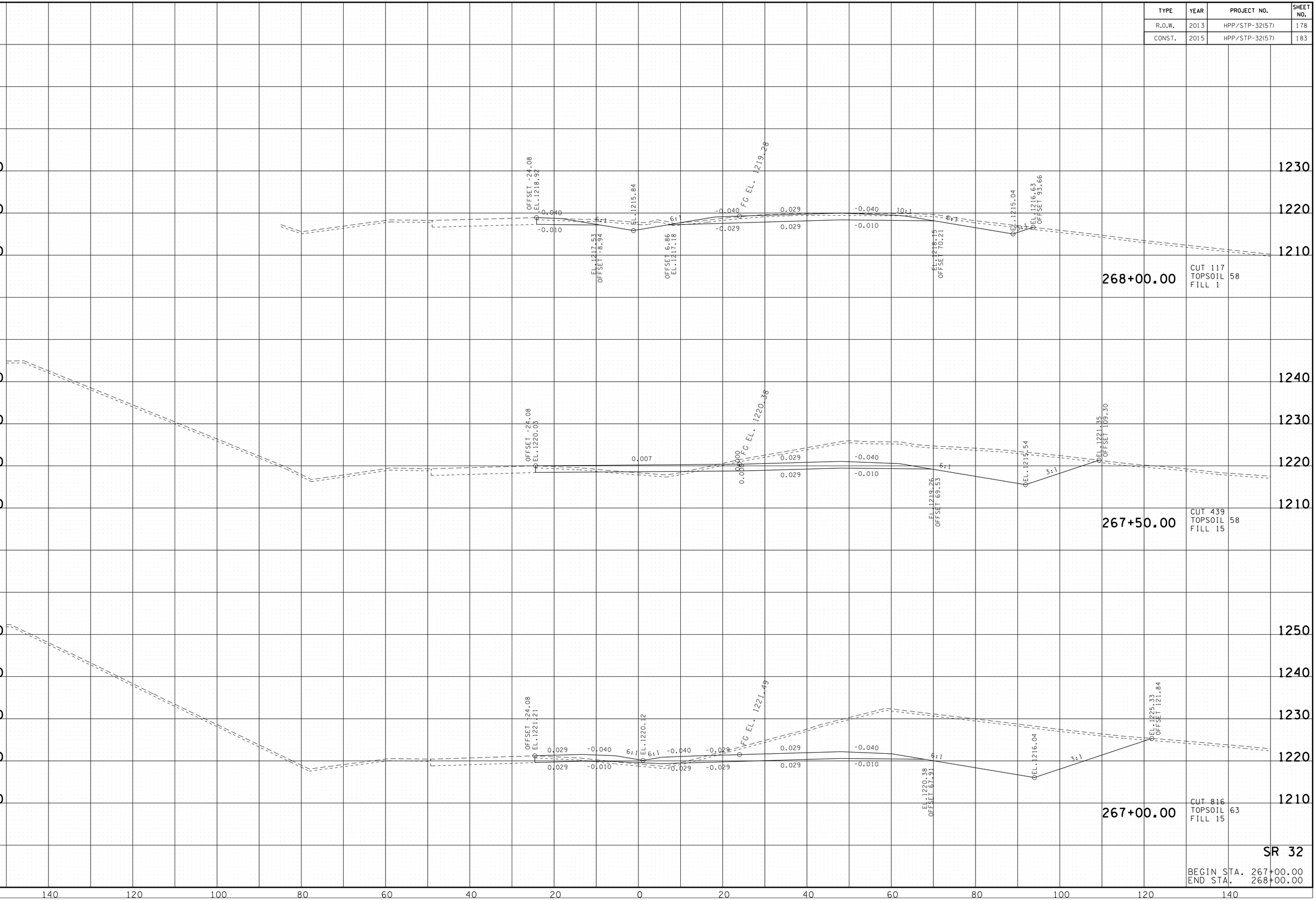
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	178
CONST.	2015	HPP/STP-32(57)	183



SR 32

BEGIN STA. 267+00.00
END STA. 268+00.00

10/20/2014
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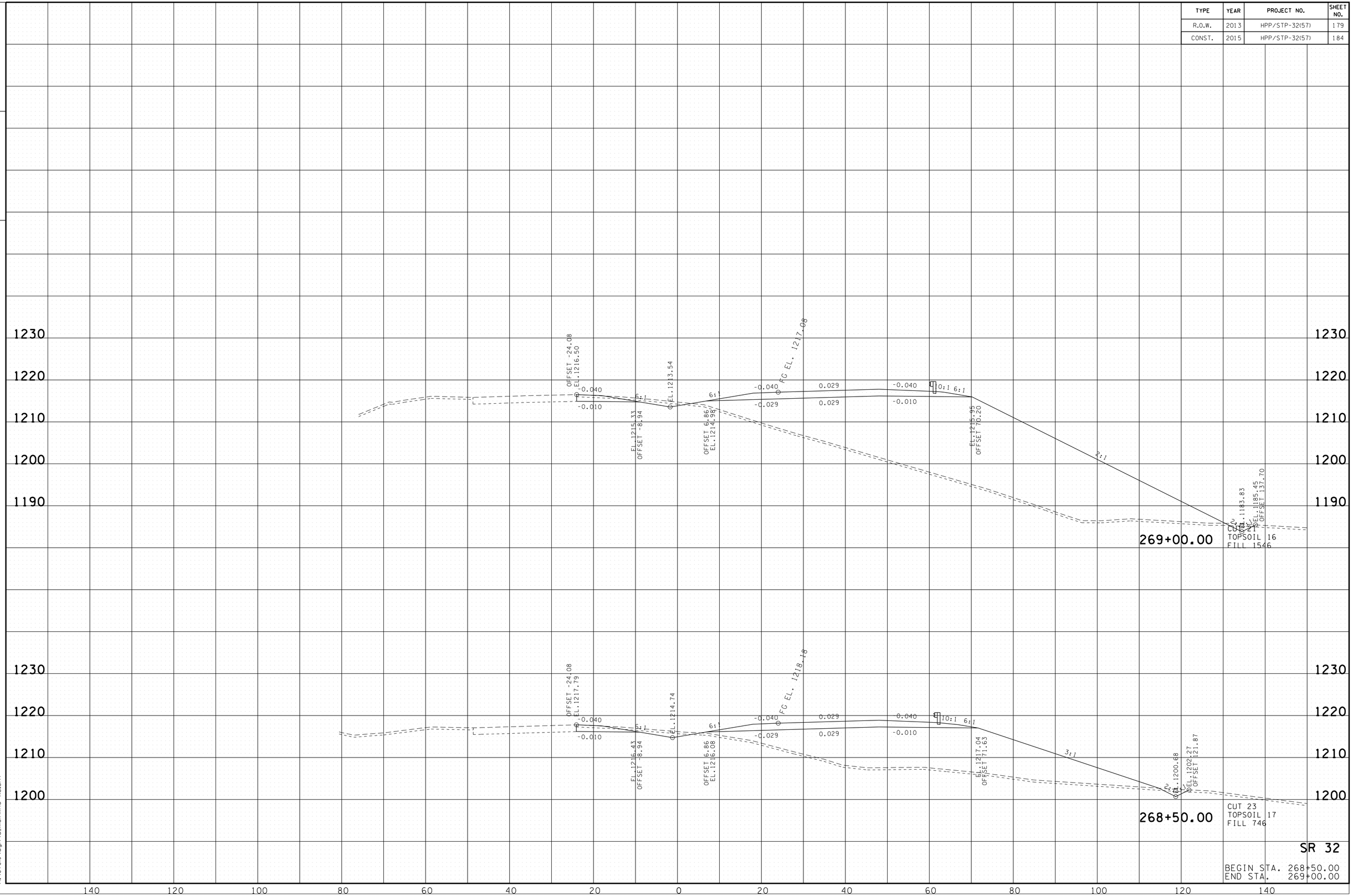
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	179
CONST.	2015	HPP/STP-32(57)	184

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 268+50.00
END STA. 269+00.00

10/20/2014
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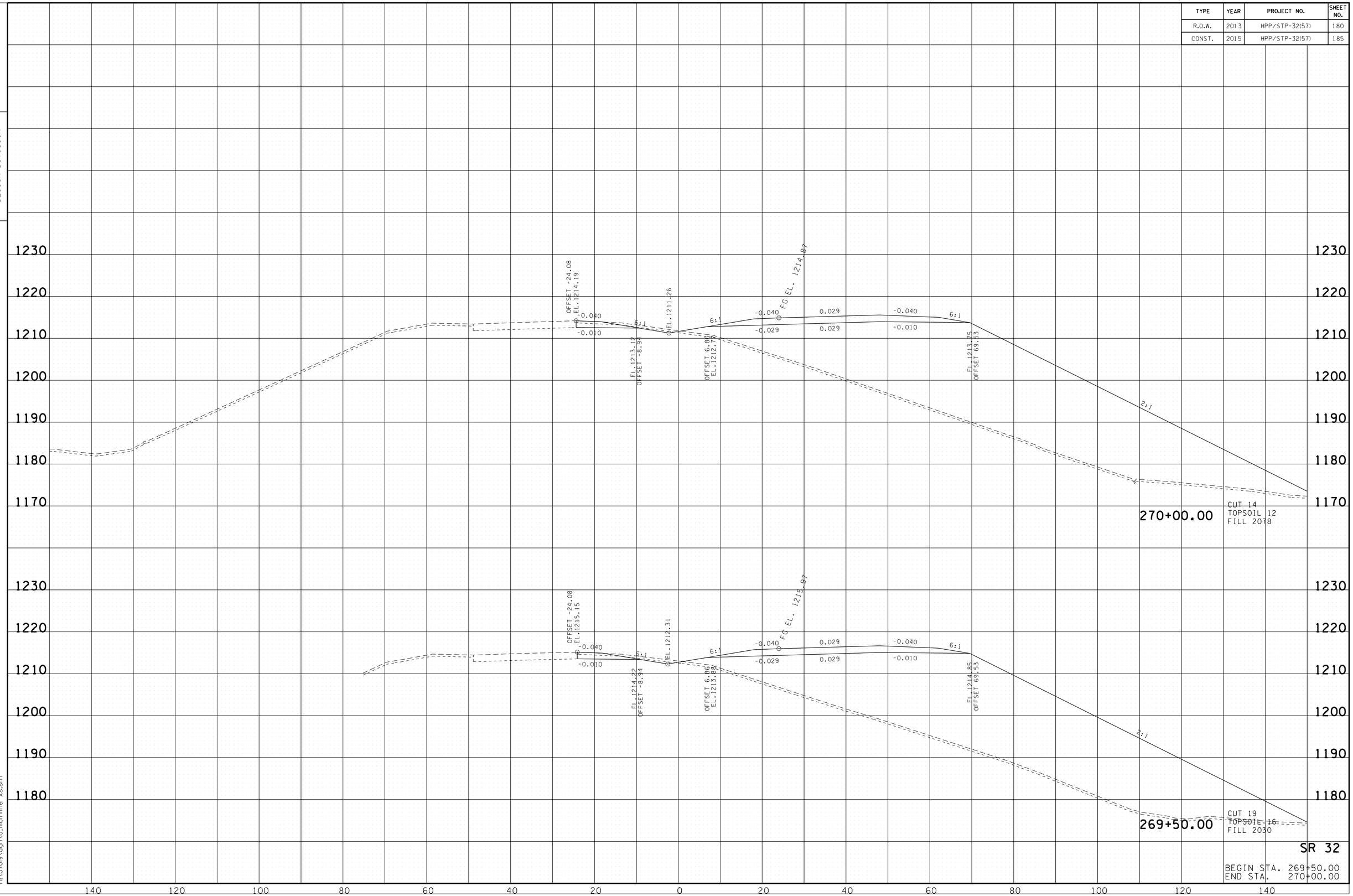
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	180
CONST.	2015	HPP/STP-32(57)	185



SR 32

BEGIN STA. 269+50.00
END STA. 270+00.00

10/20/2014
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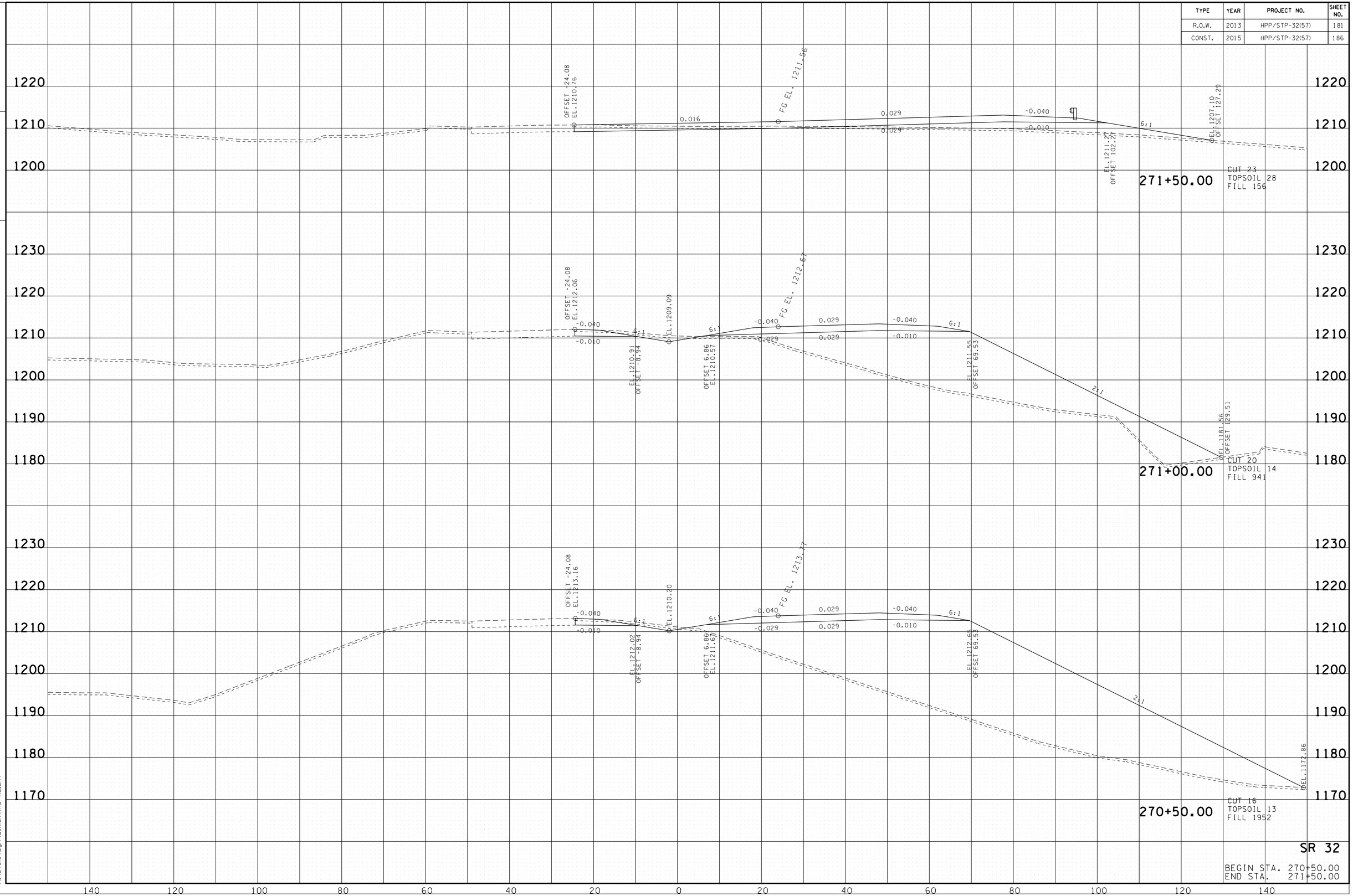
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	181
CONST.	2015	HPP/STP-32(57)	186



SR 32

BEGIN STA. 270+50.00
END STA. 271+50.00

10/20/2014
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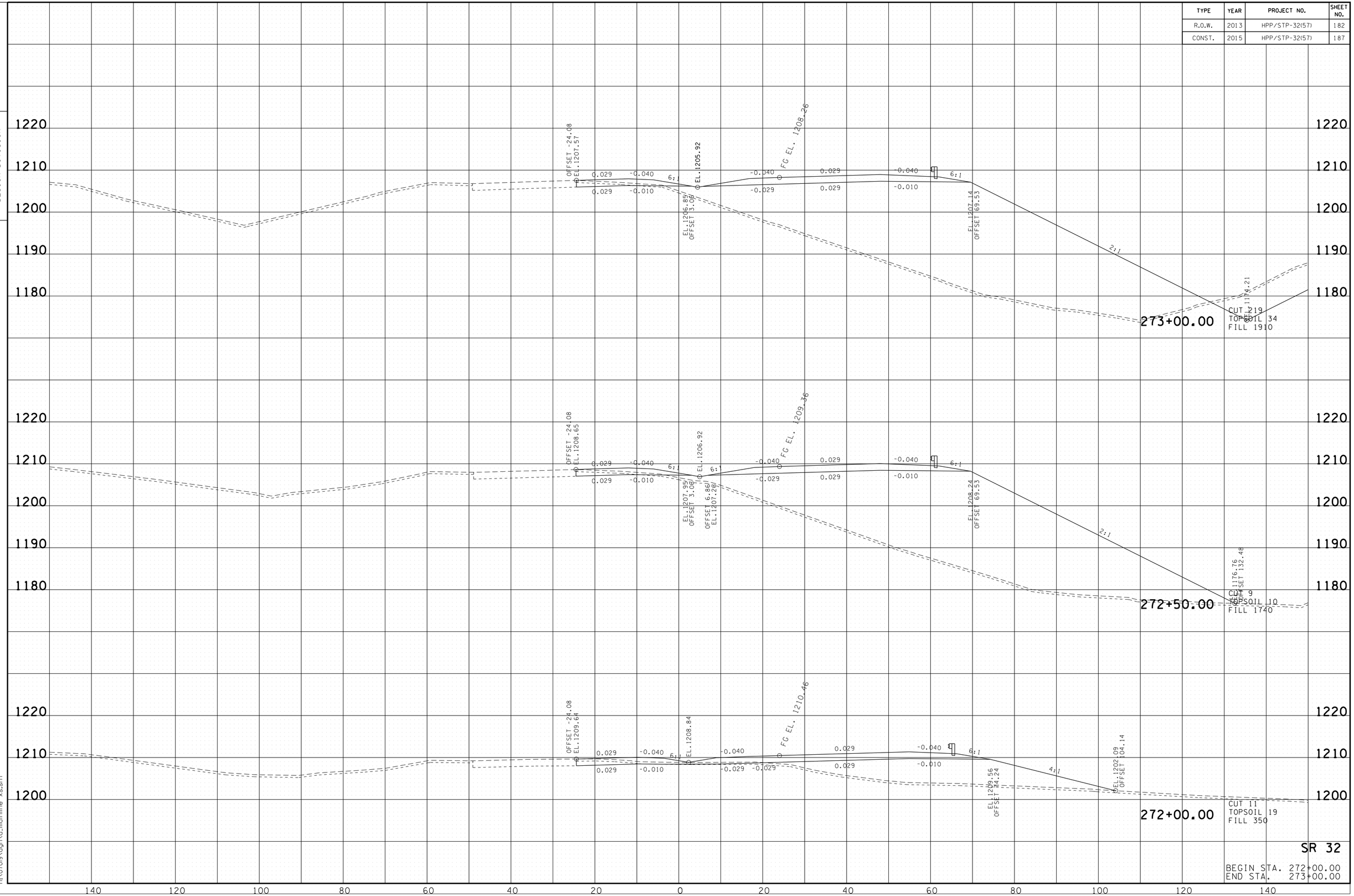
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	182
CONST.	2015	HPP/STP-32(57)	187

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 272+00.00
END STA. 273+00.00

10/20/2014
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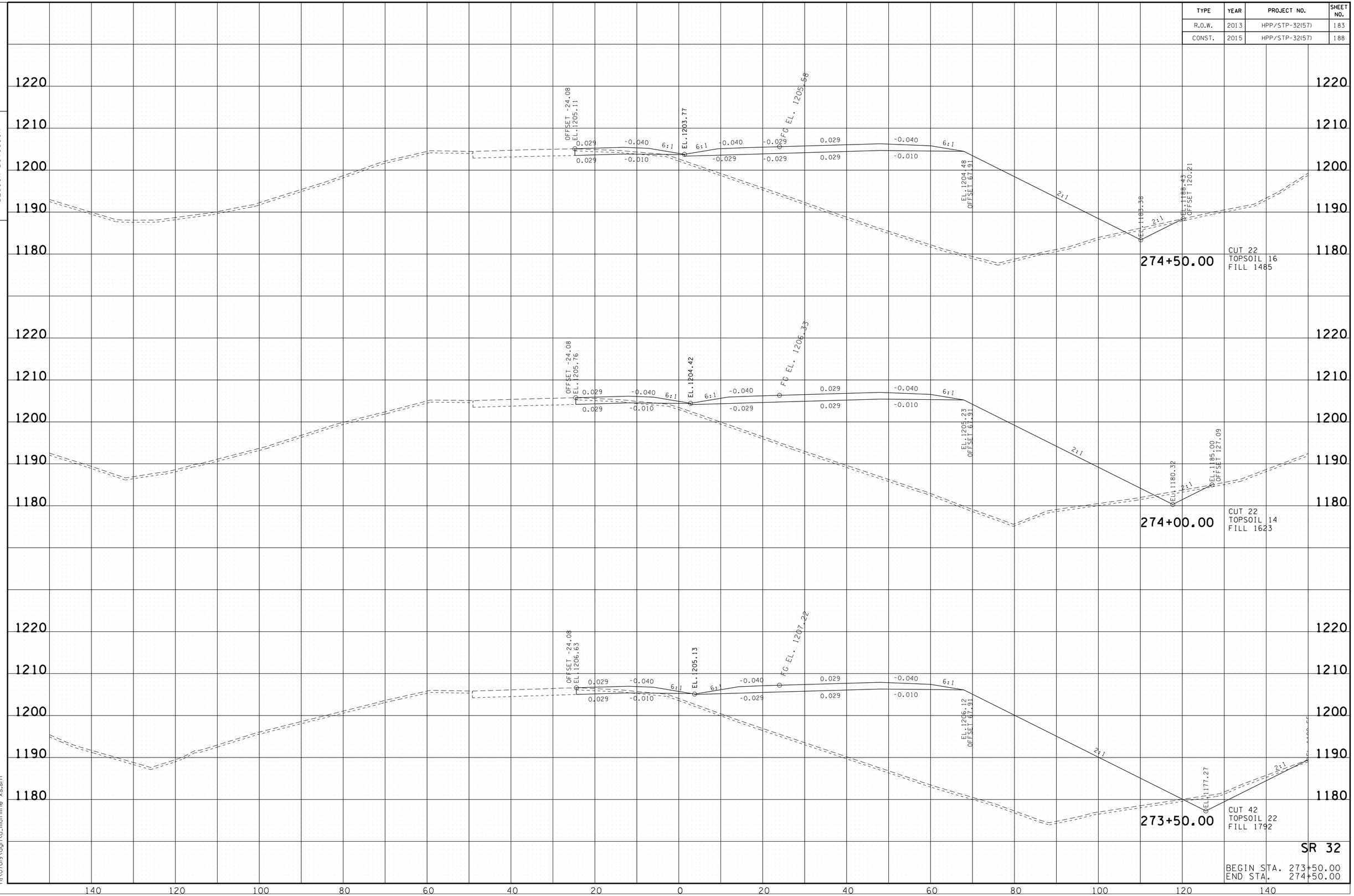
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	183
CONST.	2015	HPP/STP-32(57)	188



SR 32

BEGIN STA. 273+50.00
END STA. 274+50.00

10/20/2014
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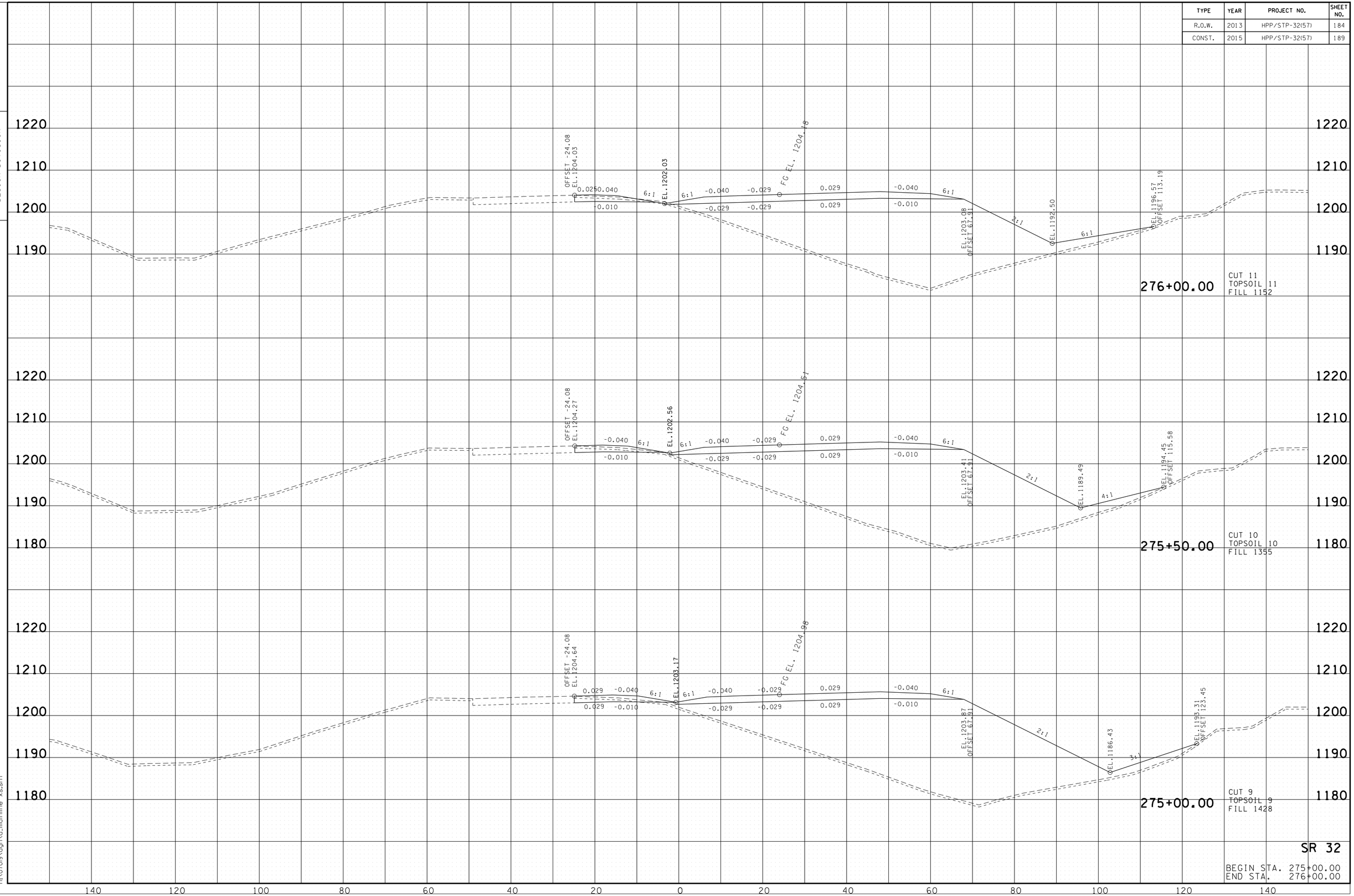
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	184
CONST.	2015	HPP/STP-32(57)	189



SR 32

BEGIN STA. 275+00.00
END STA. 276+00.00

10/20/2014
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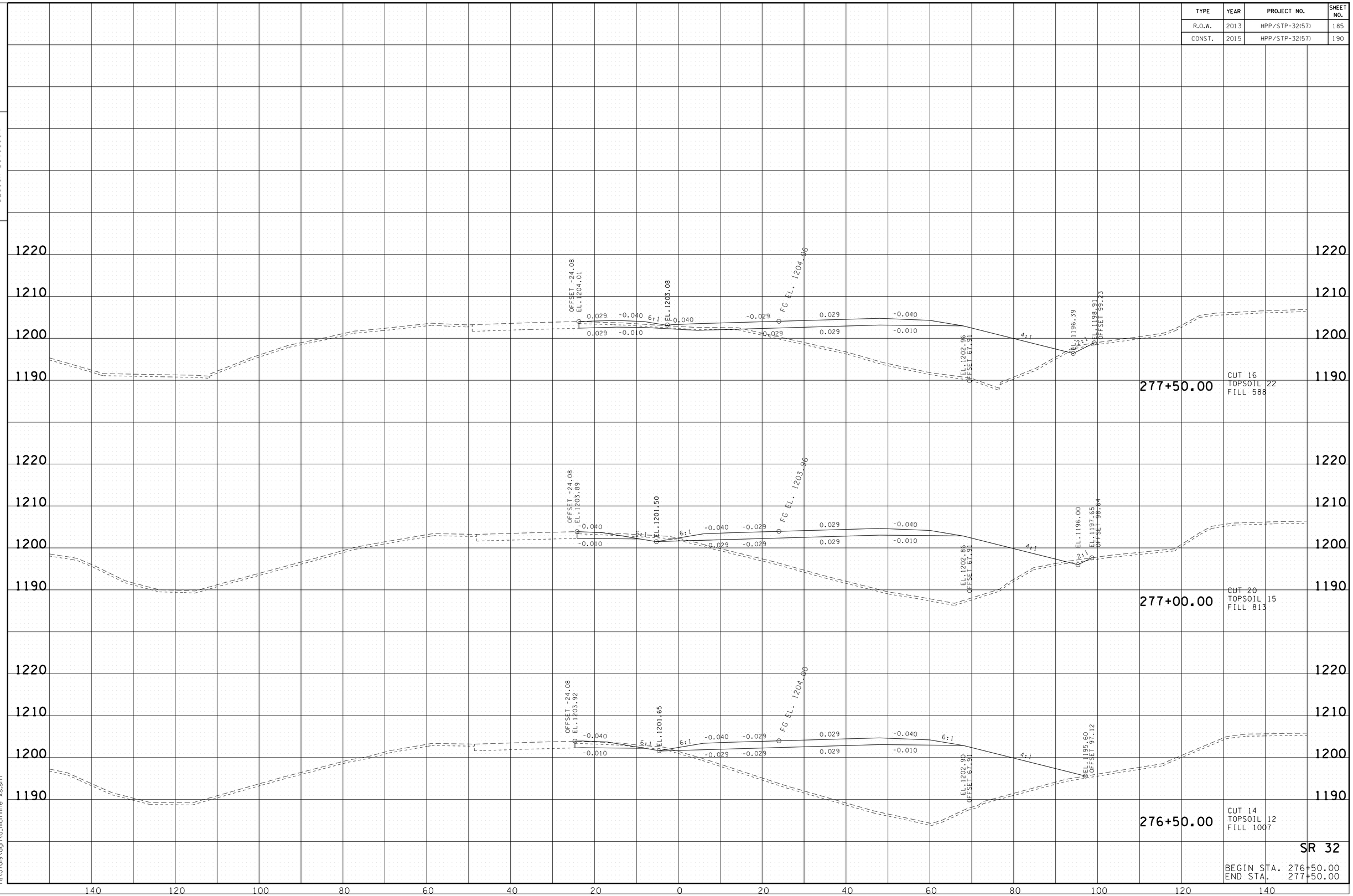
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	185
CONST.	2015	HPP/STP-32(57)	190



SR 32

BEGIN STA. 276+50.00
END STA. 277+50.00

10/20/2014
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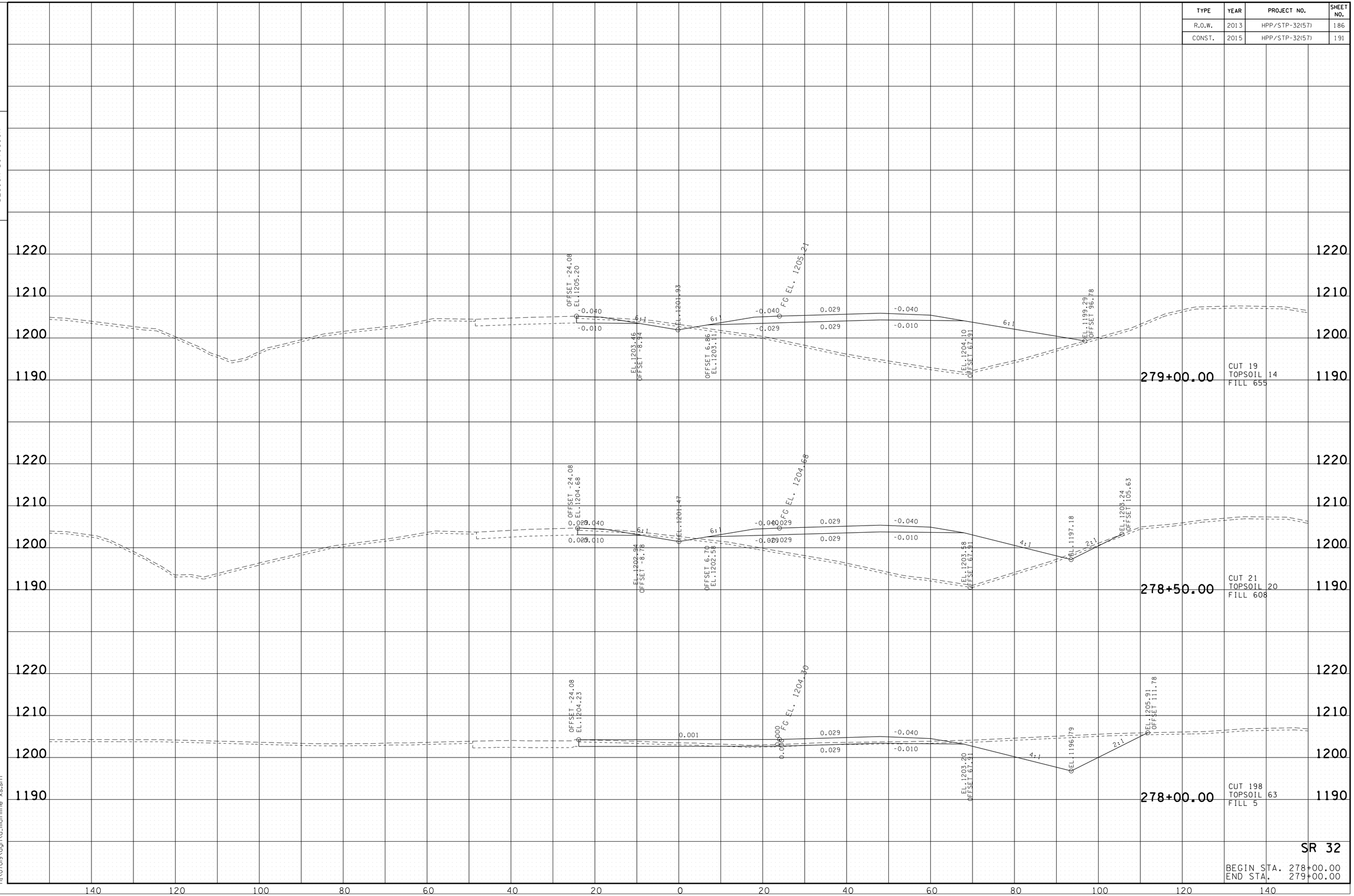
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	186
CONST.	2015	HPP/STP-32(57)	191

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 278+00.00
END STA. 279+00.00

10/20/2014
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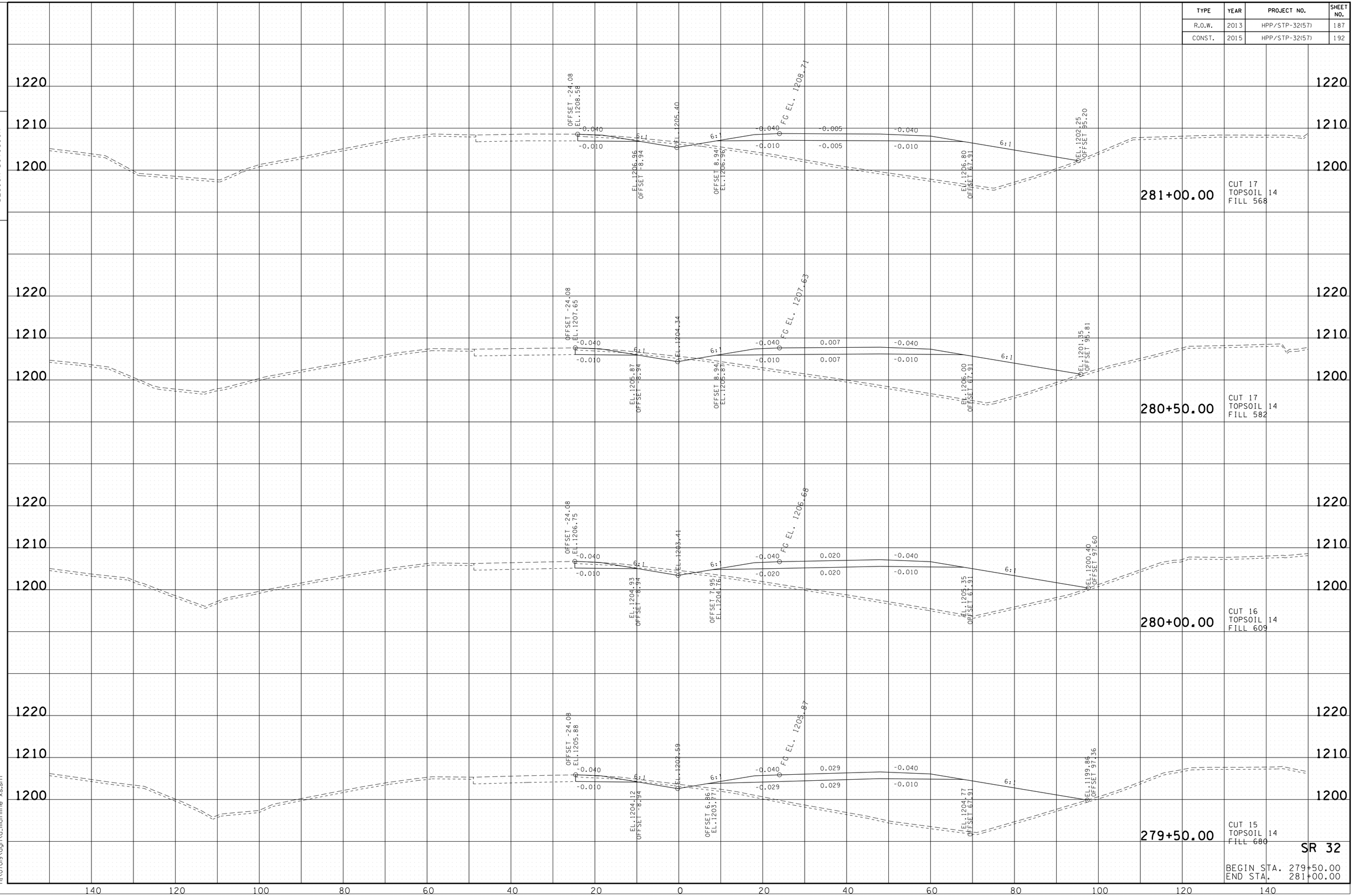
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	187
CONST.	2015	HPP/STP-32(57)	192



SR 32

BEGIN STA. 279+50.00
END STA. 281+00.00

10/20/2014
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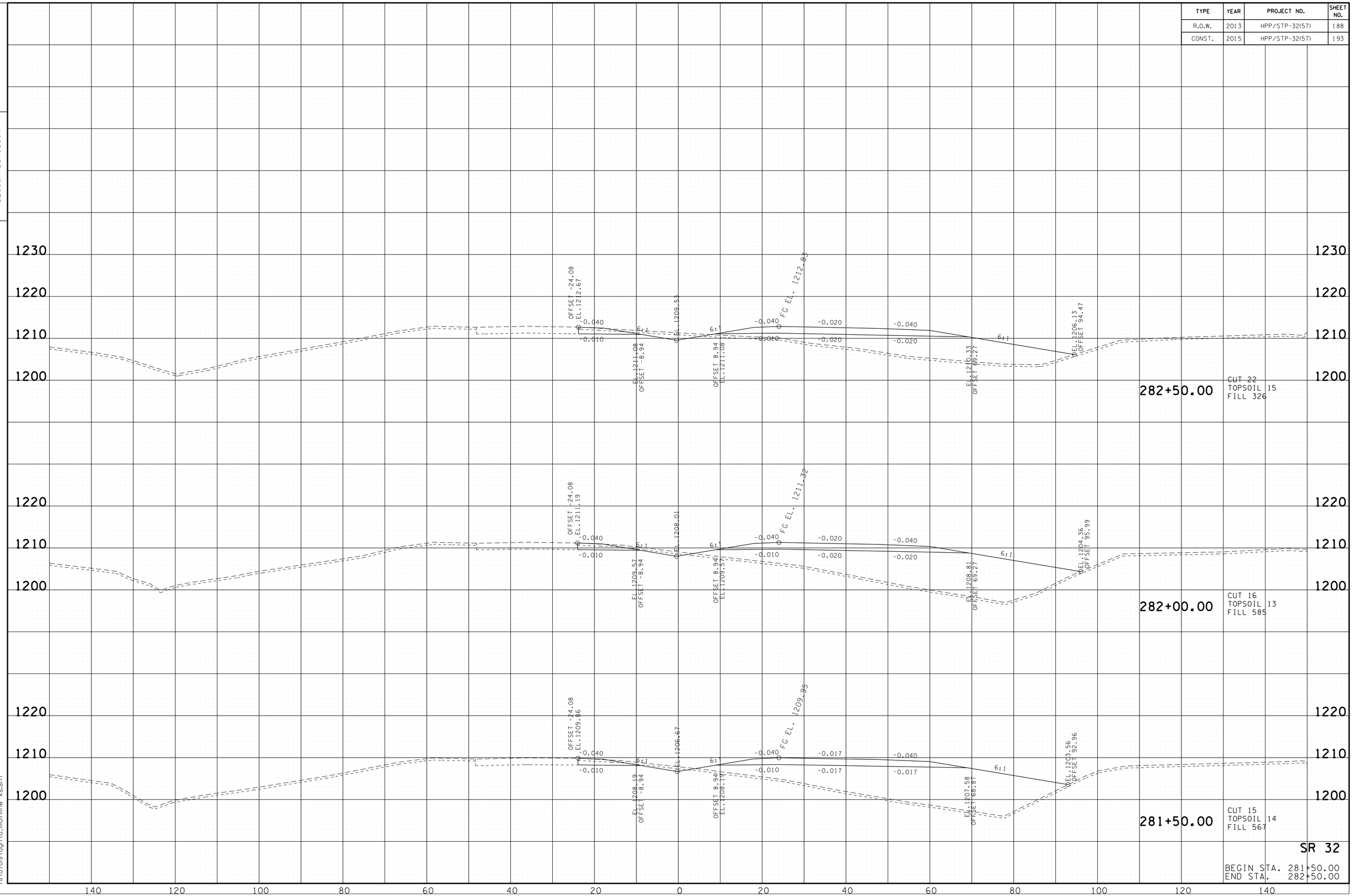
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	188
CONST.	2015	HPP/STP-32(57)	193



SR 32

BEGIN STA. 281+50.00
END STA. 282+50.00

10/20/2014
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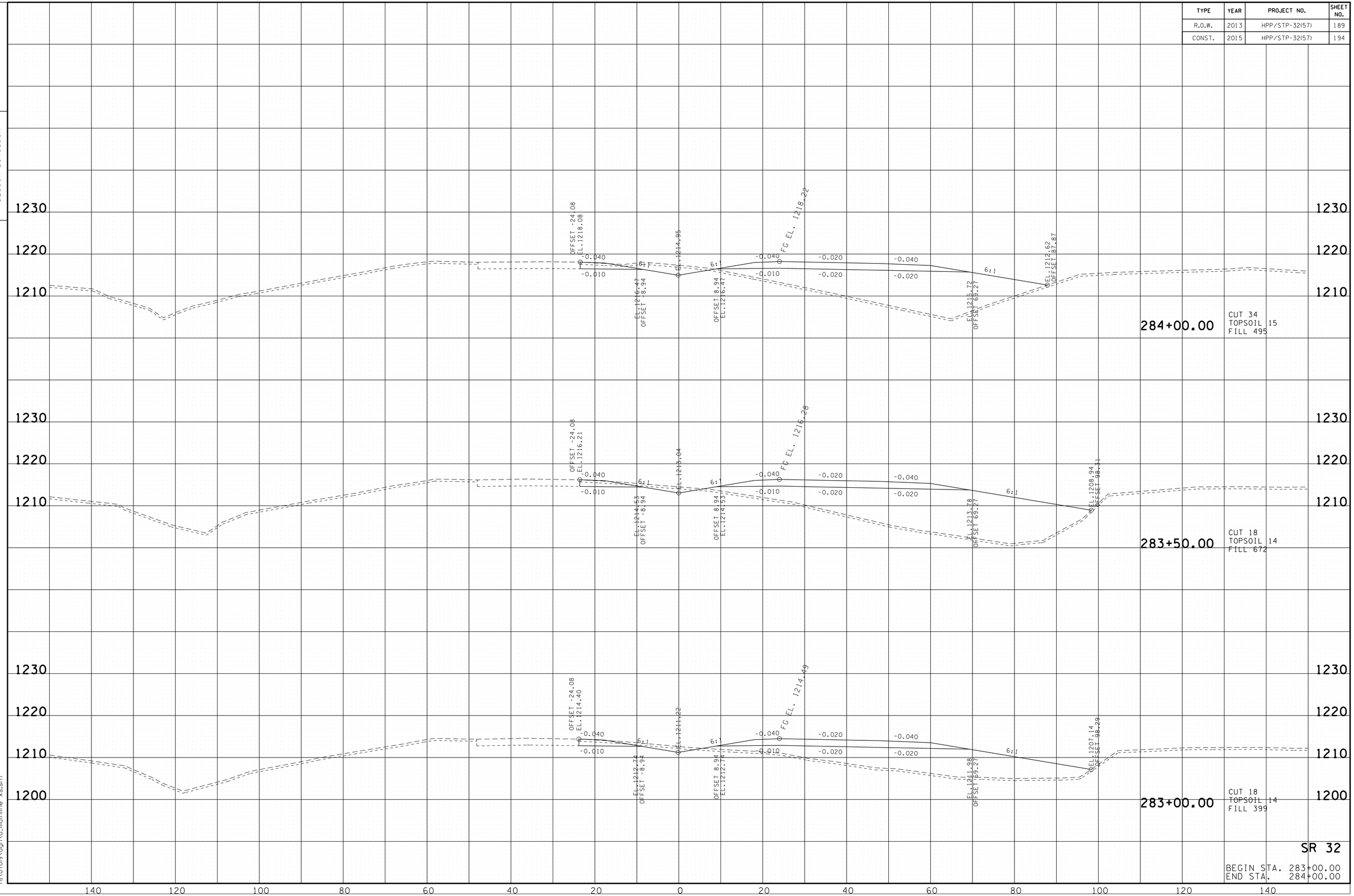
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	189
CONST.	2015	HPP/STP-32(57)	194



SR 32

BEGIN STA. 283+00.00
END STA. 284+00.00

10/20/2014
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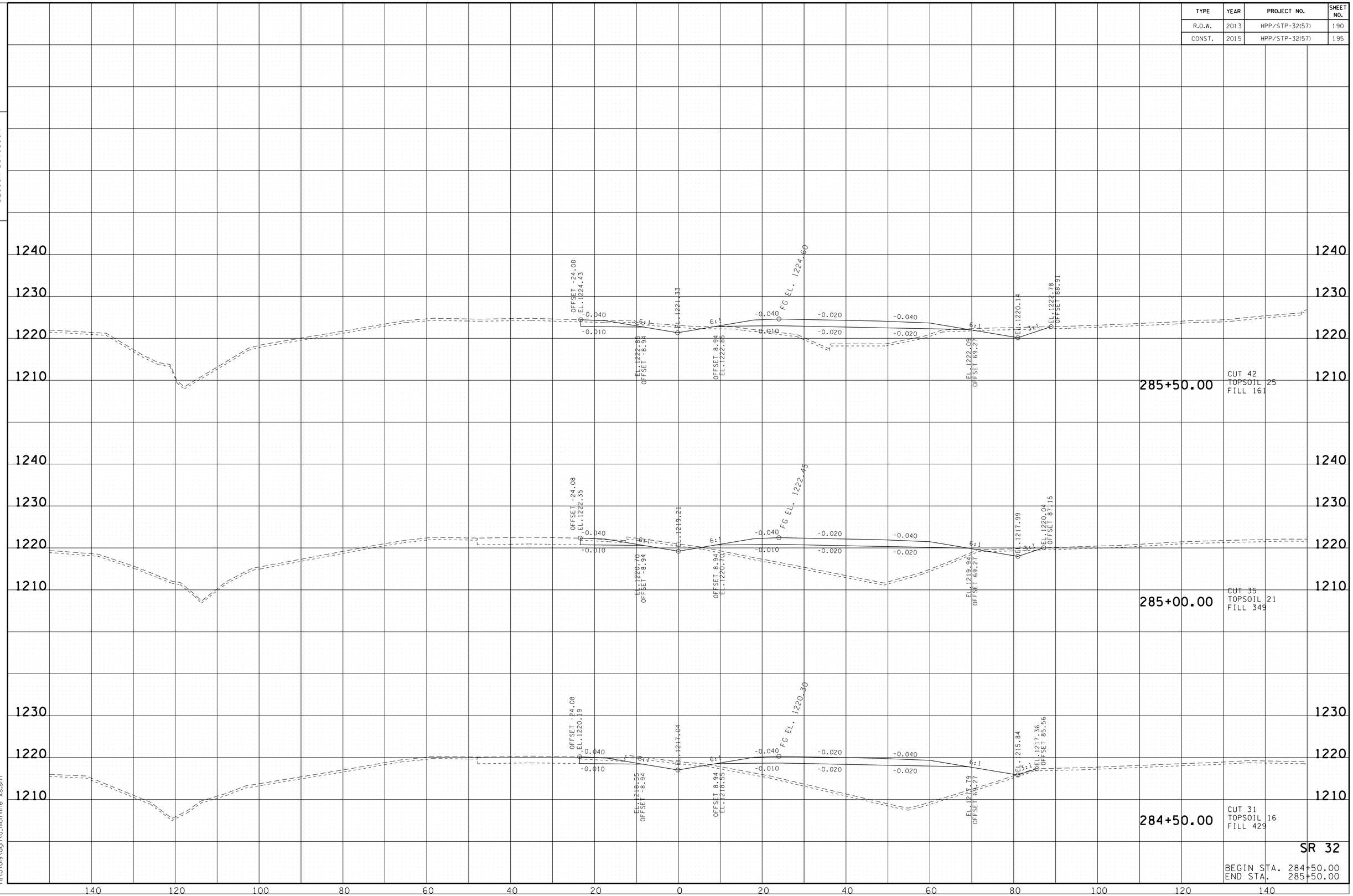
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	190
CONST.	2015	HPP/STP-32(57)	195



SR 32

BEGIN STA. 284+50.00
END STA. 285+50.00

10/20/2014
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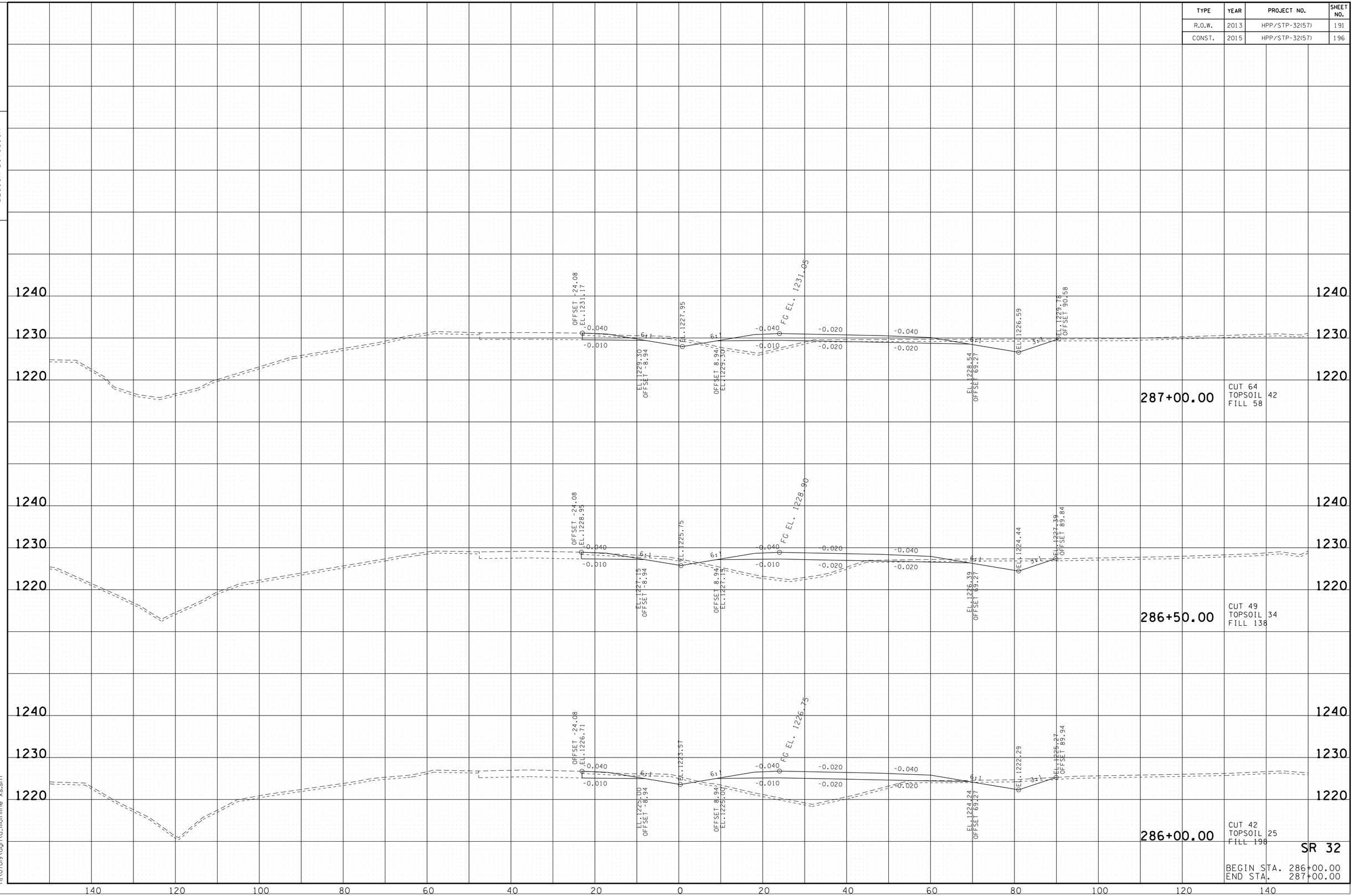
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	191
CONST.	2015	HPP/STP-32(57)	196



SR 32

BEGIN STA. 286+00.00
END STA. 287+00.00

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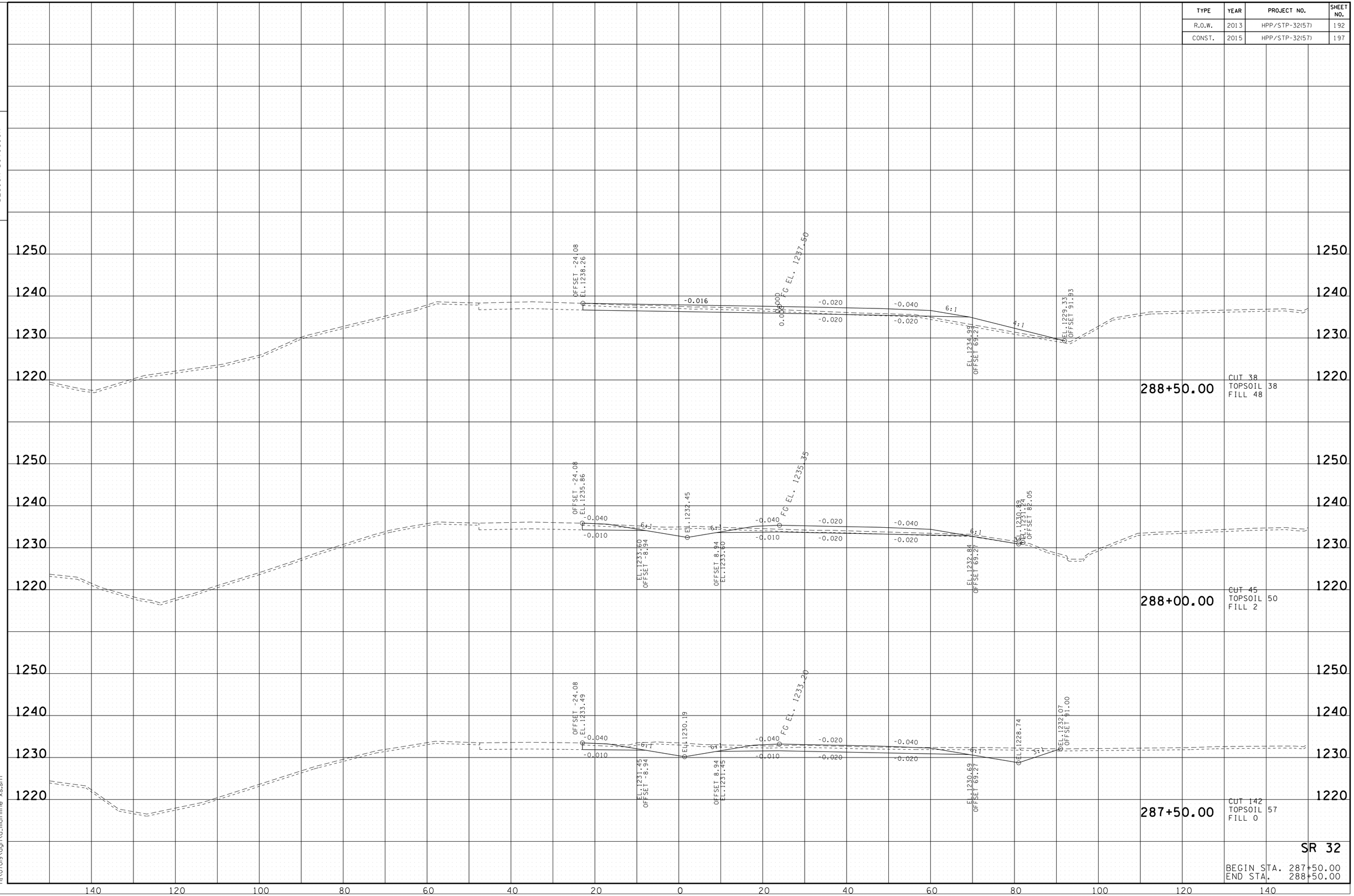
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	192
CONST.	2015	HPP/STP-32(57)	197



SR 32

BEGIN STA. 287+50.00
END STA. 288+50.00

10/20/2014
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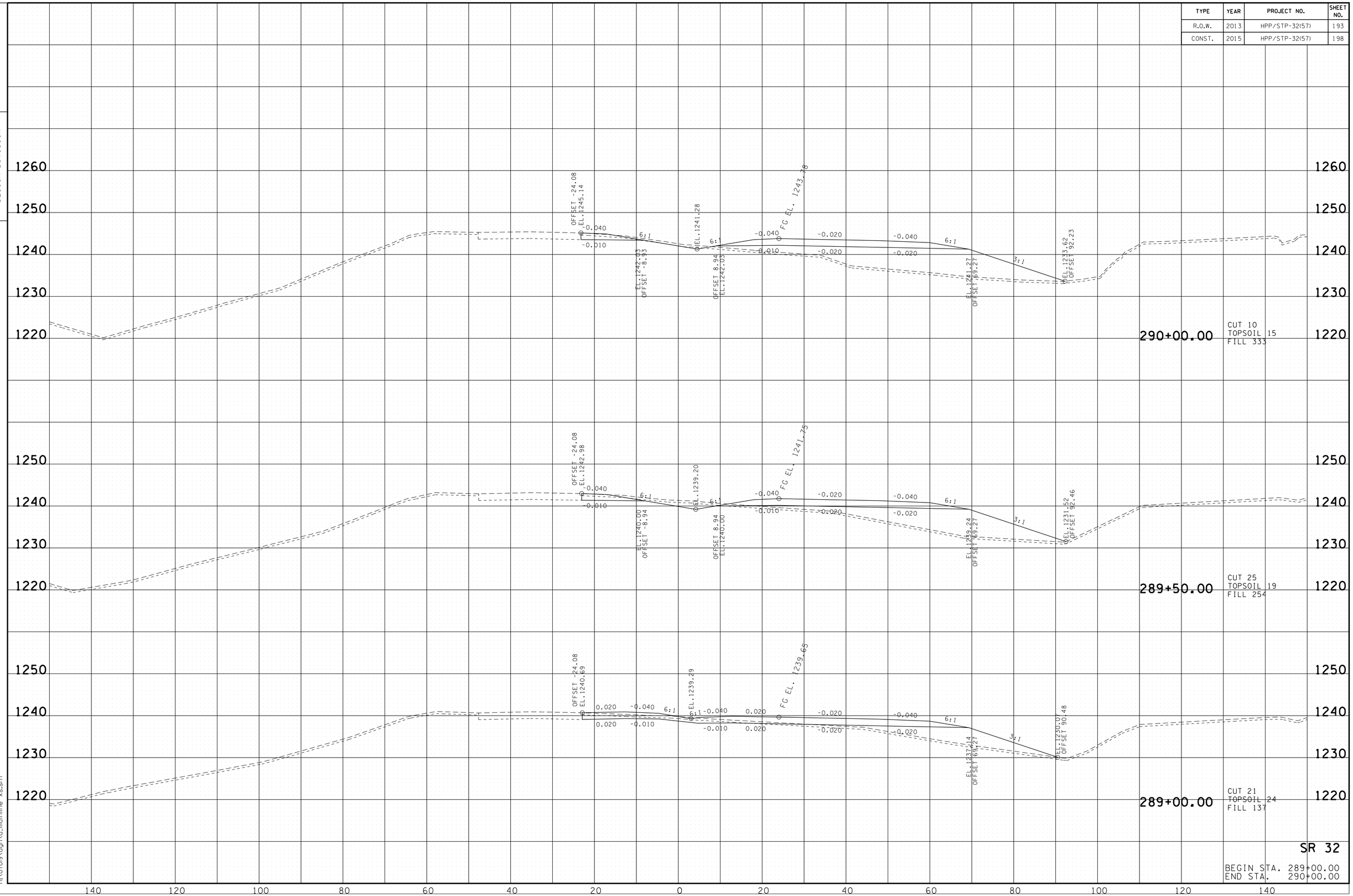
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	193
CONST.	2015	HPP/STP-32(57)	198



SR 32

BEGIN STA. 289+00.00
END STA. 290+00.00

10/20/2014
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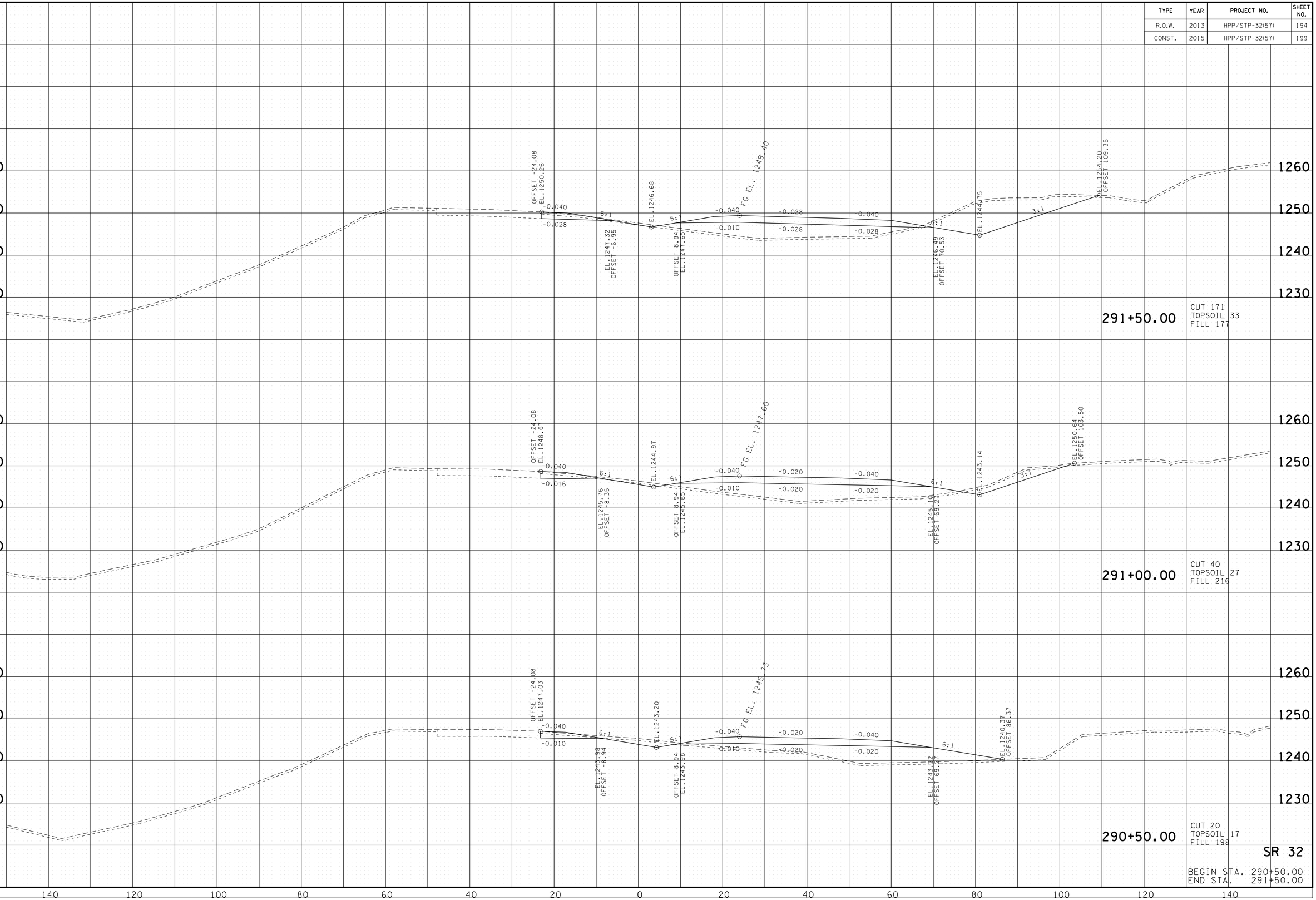
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	194
CONST.	2015	HPP/STP-32(57)	199



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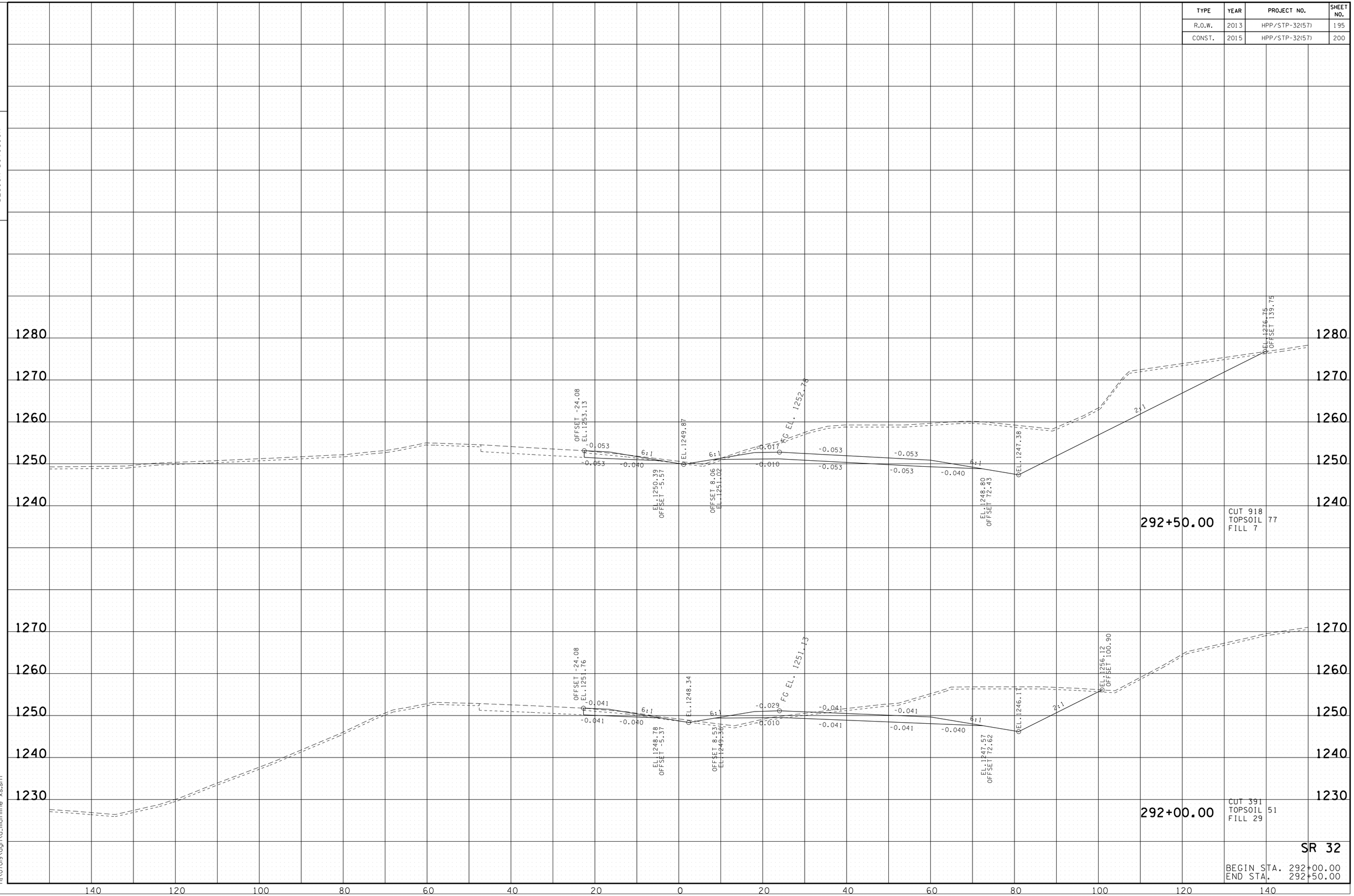
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	195
CONST.	2015	HPP/STP-32(57)	200



SR 32

BEGIN STA. 292+00.00
END STA. 292+50.00

10/20/2014
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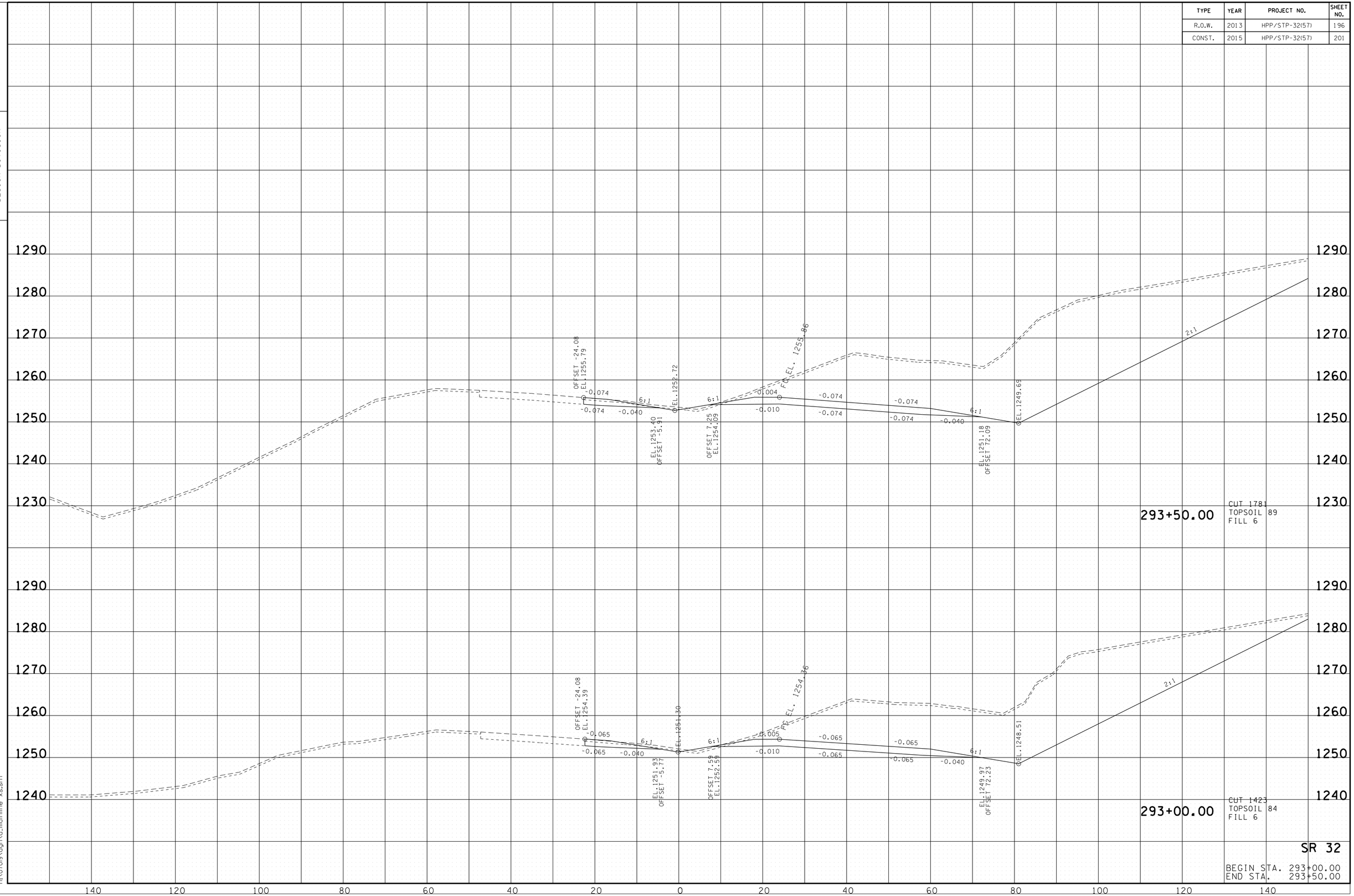
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	196
CONST.	2015	HPP/STP-32(57)	201



SR 32
BEGIN STA. 293+00.00
END STA. 293+50.00

10/20/2014
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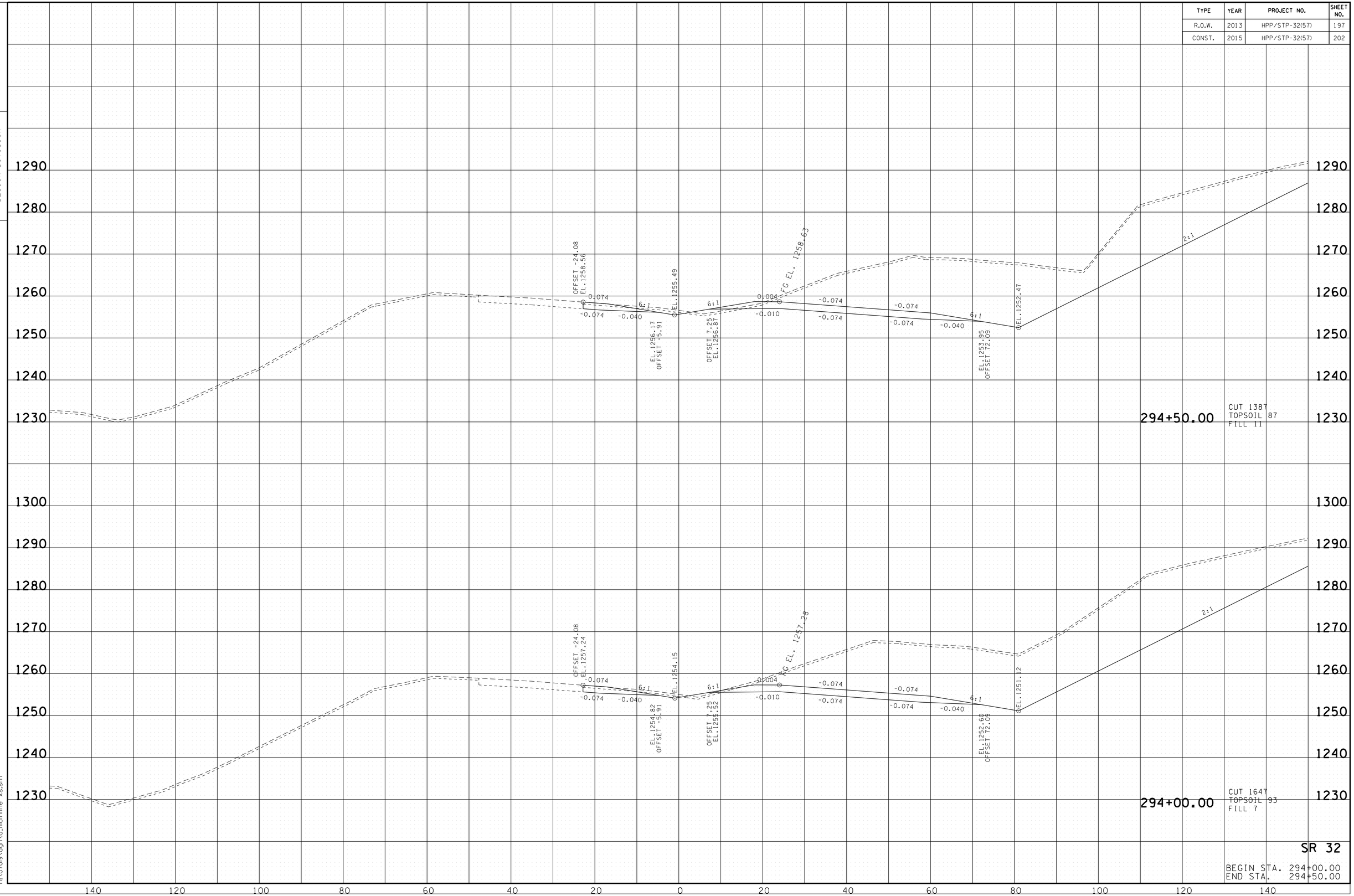
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	197
CONST.	2015	HPP/STP-32(57)	202



SR 32

BEGIN STA. 294+00.00
END STA. 294+50.00

10/20/2014
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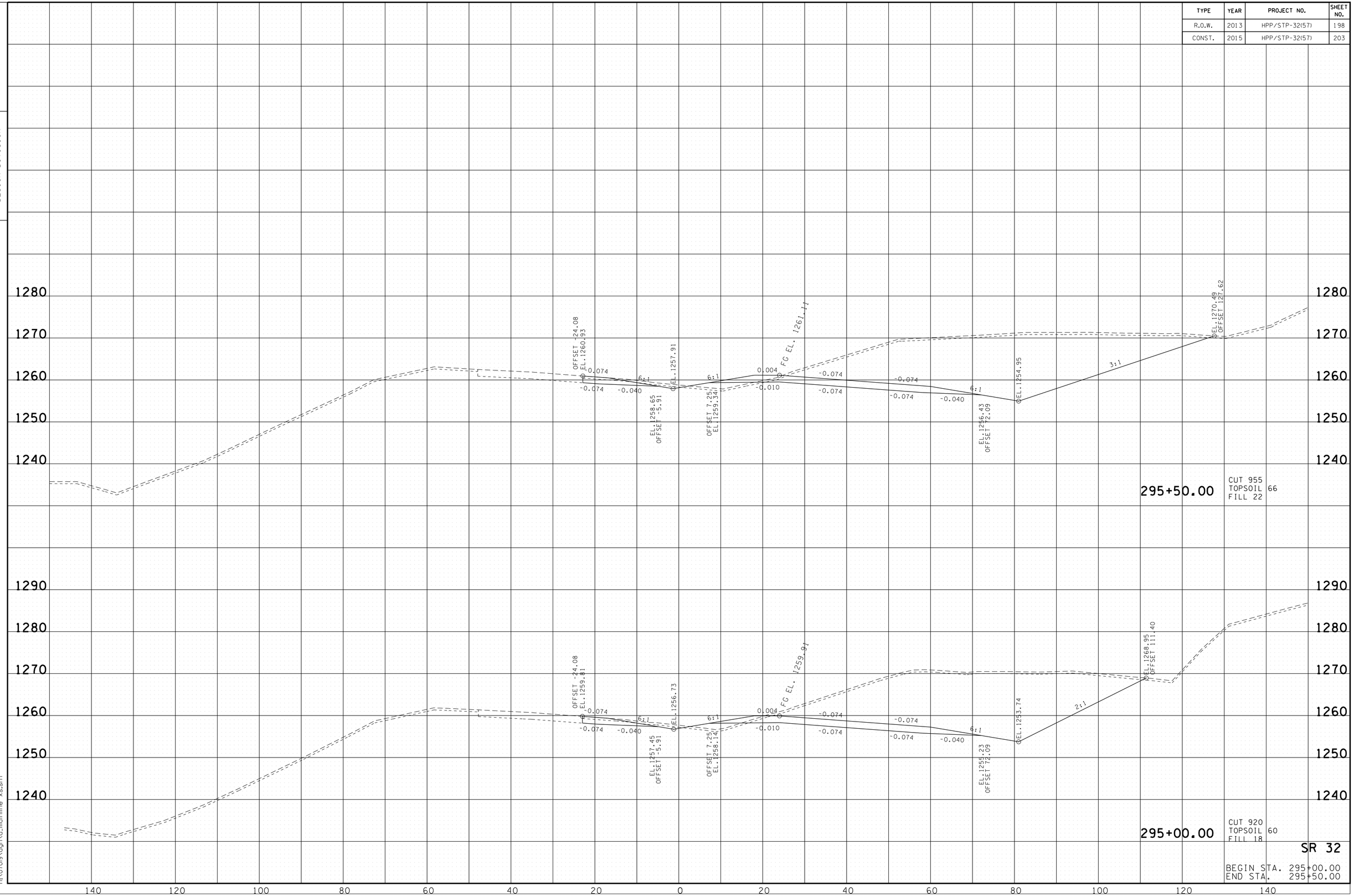
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	198
CONST.	2015	HPP/STP-32(57)	203



SR 32

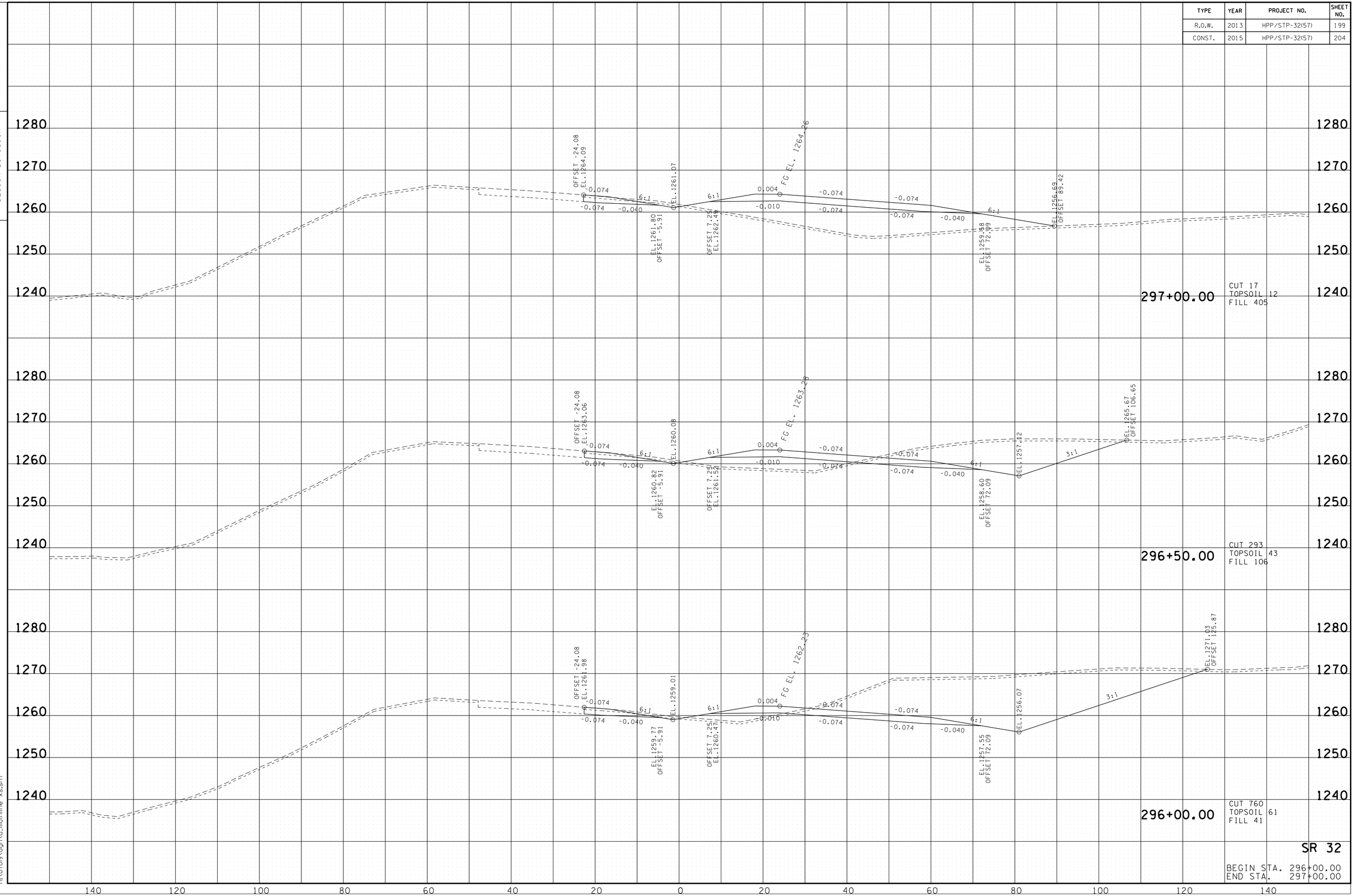
BEGIN STA. 295+00.00
END STA. 295+50.00

10/20/2014
h:\07019\dgn\a_mainline xs.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	199
CONST.	2015	HPP/STP-32(57)	204

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 296+00.00
END STA. 297+00.00

10/20/2014
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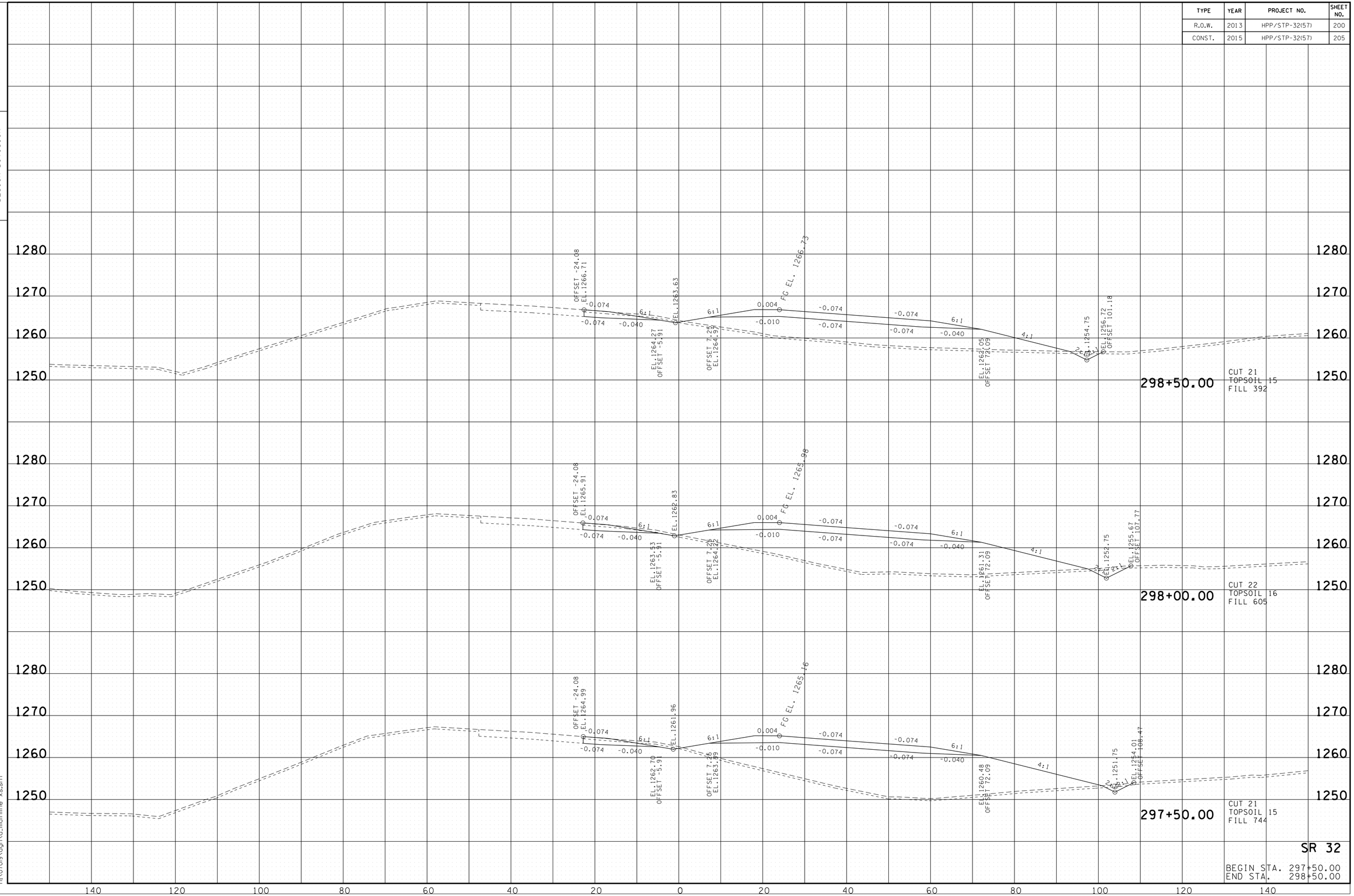
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	200
CONST.	2015	HPP/STP-32(57)	205



SR 32

BEGIN STA. 297+50.00
END STA. 298+50.00

10/20/2014
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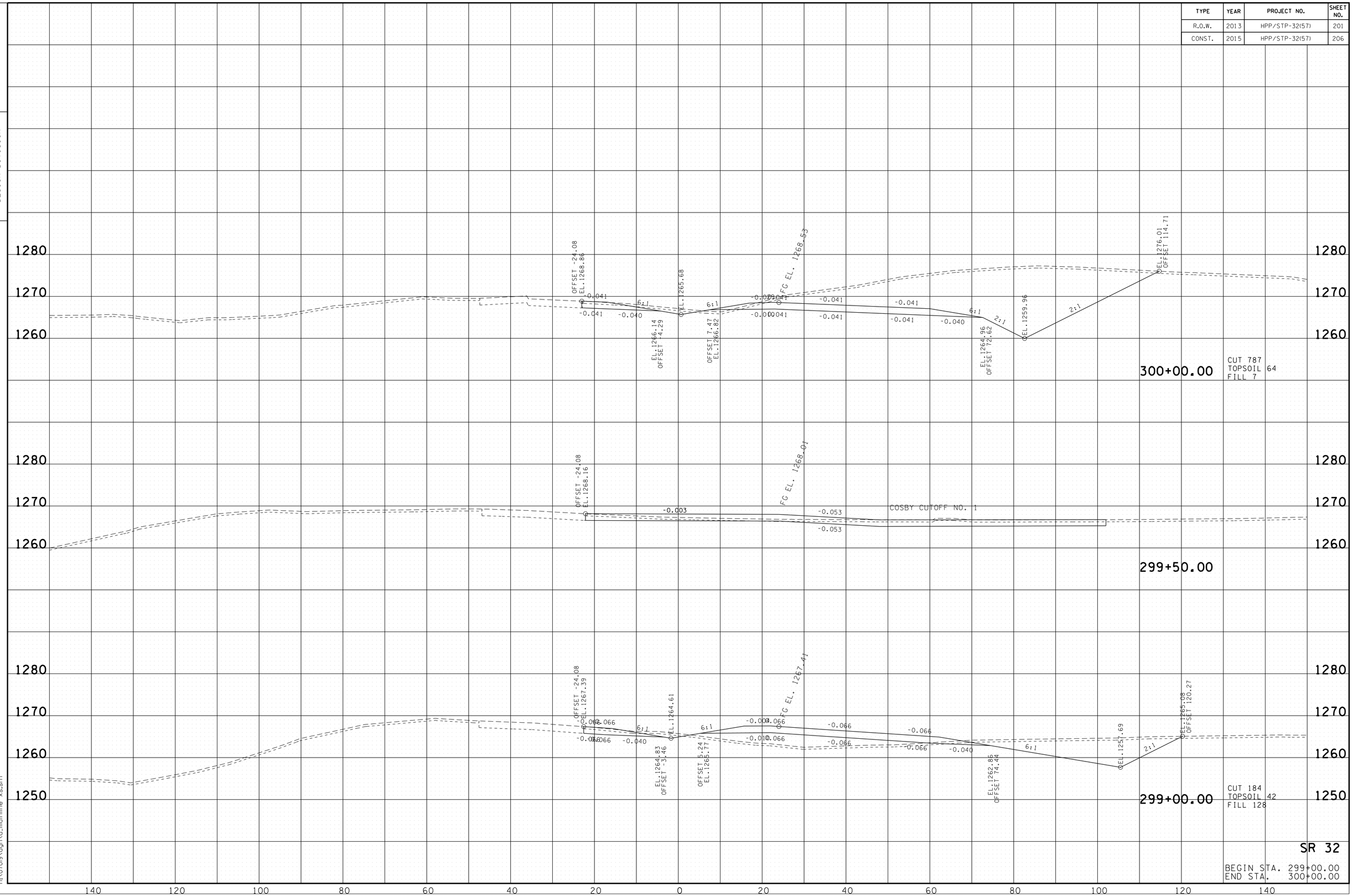
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	201
CONST.	2015	HPP/STP-32(57)	206



SR 32

BEGIN STA. 299+00.00
END STA. 300+00.00

10/20/2014
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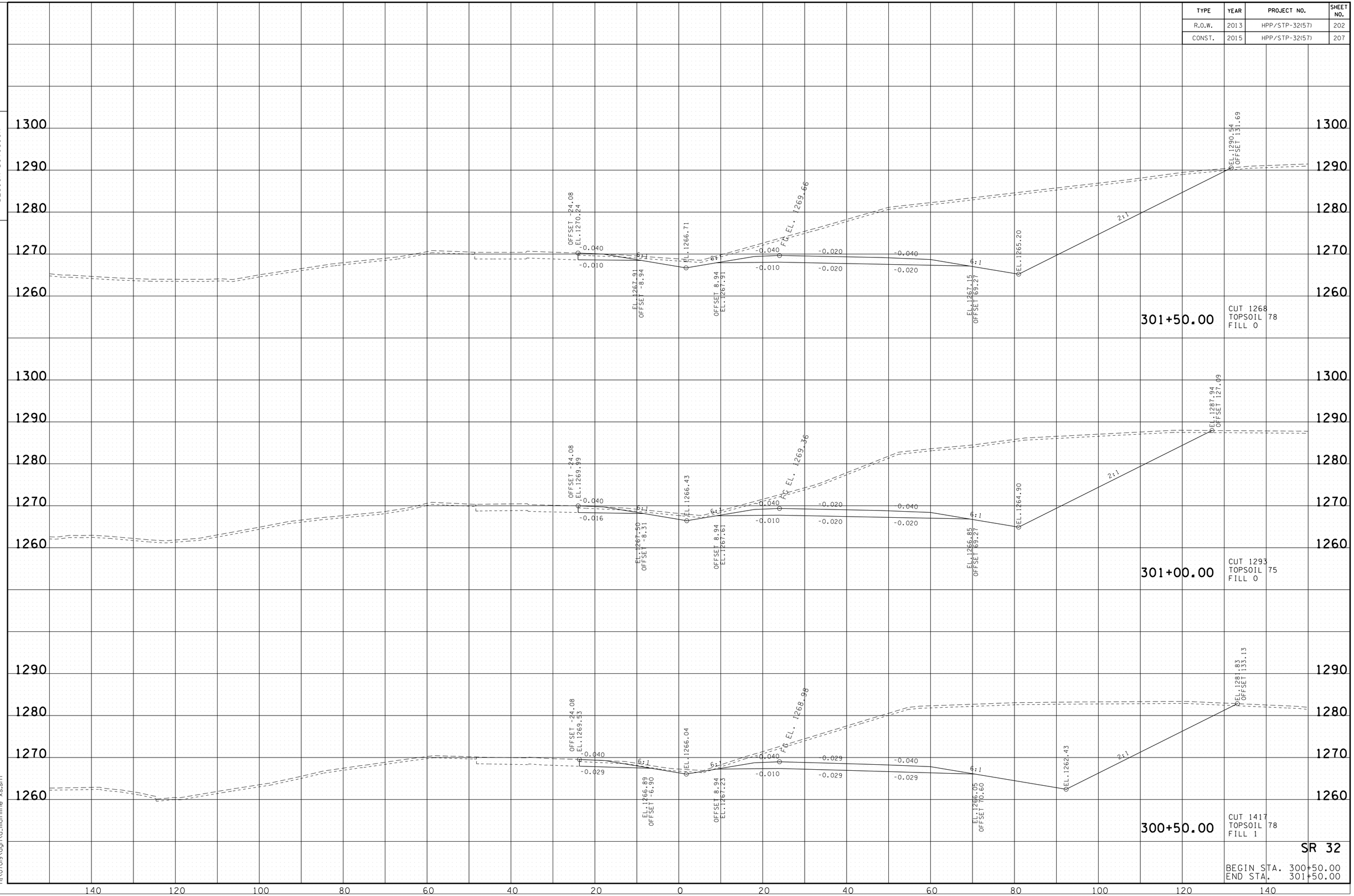
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	202
CONST.	2015	HPP/STP-32(57)	207



SR 32

BEGIN STA. 300+50.00
END STA. 301+50.00

10/20/2014
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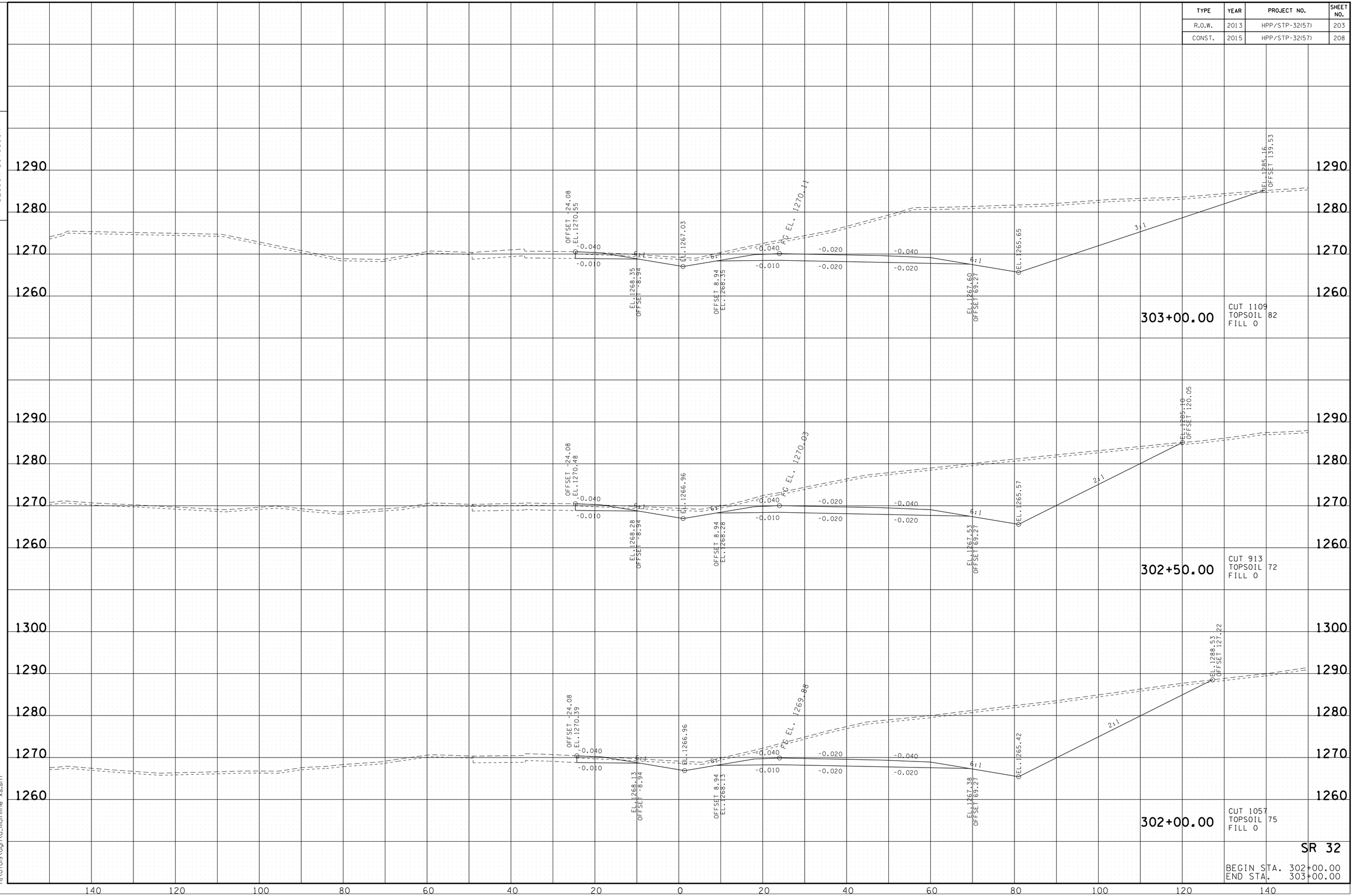
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	203
CONST.	2015	HPP/STP-32(57)	208



SR 32

BEGIN STA. 302+00.00
END STA. 303+00.00

10/20/2014
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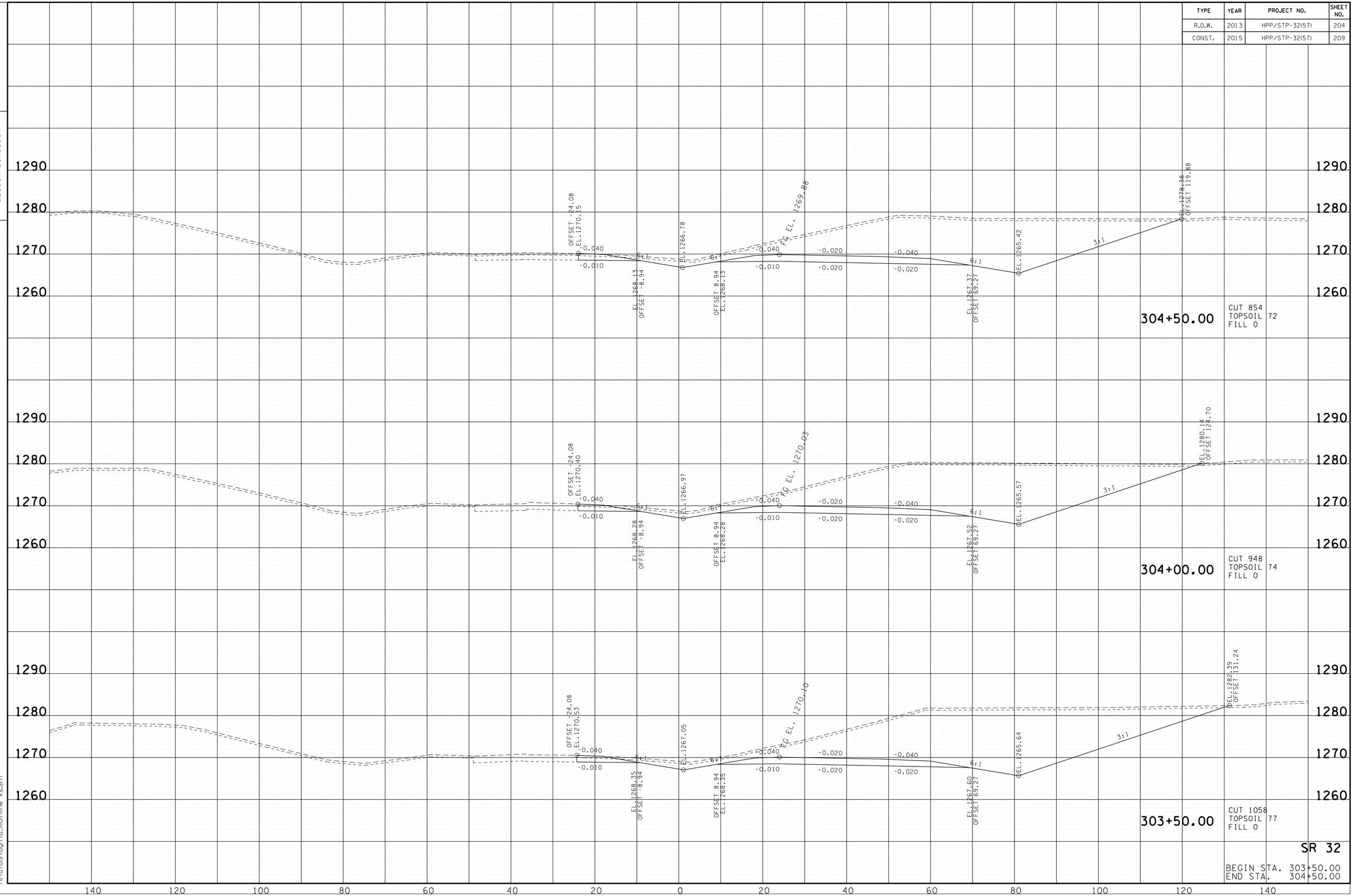
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	204
CONST.	2015	HPP/STP-32(57)	209



SR 32

BEGIN STA. 303+50.00
END STA. 304+50.00

10/20/2014
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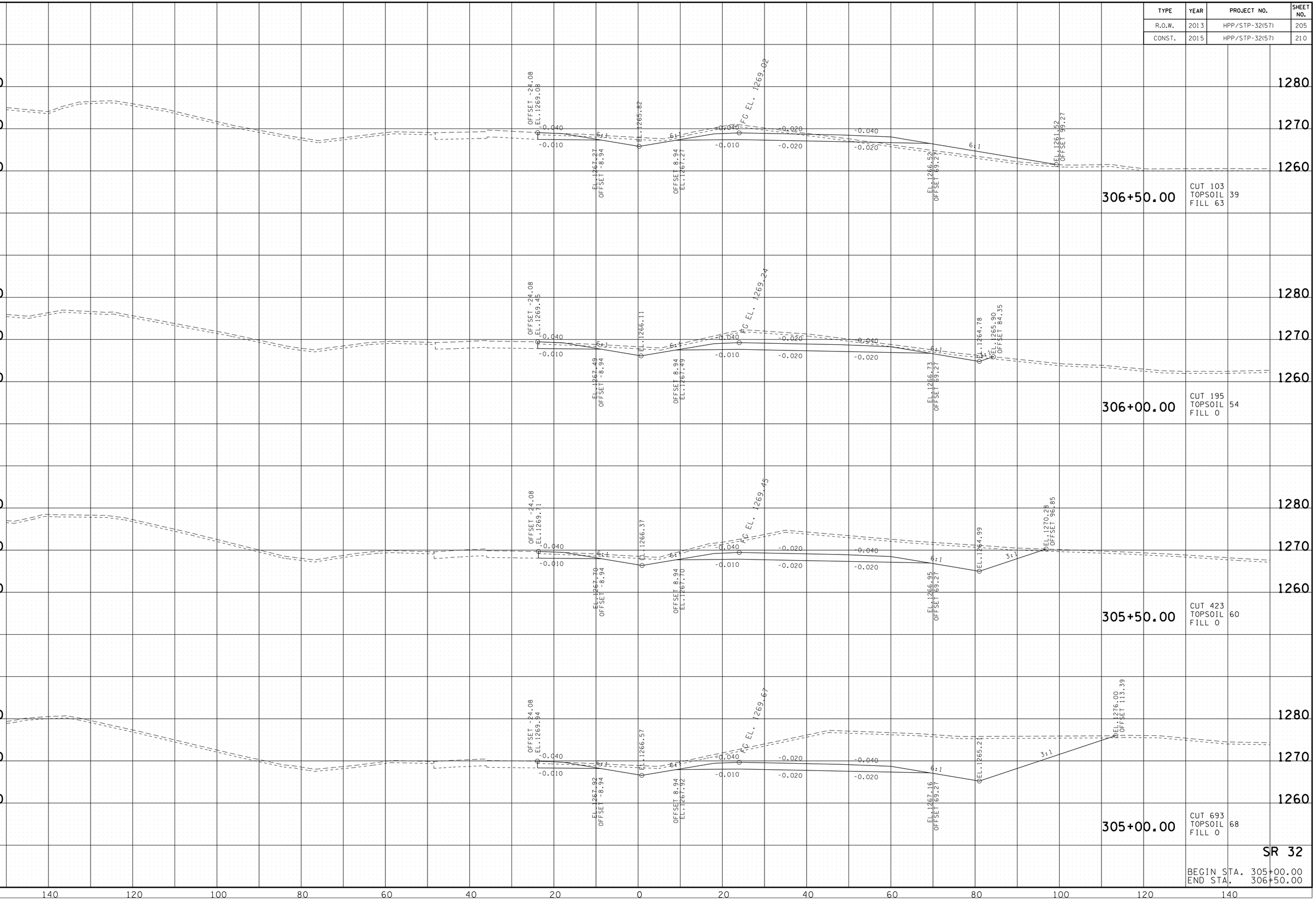
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	205
CONST.	2015	HPP/STP-32(57)	210



SR 32

BEGIN STA. 305+00.00
END STA. 306+50.00

10/20/2014
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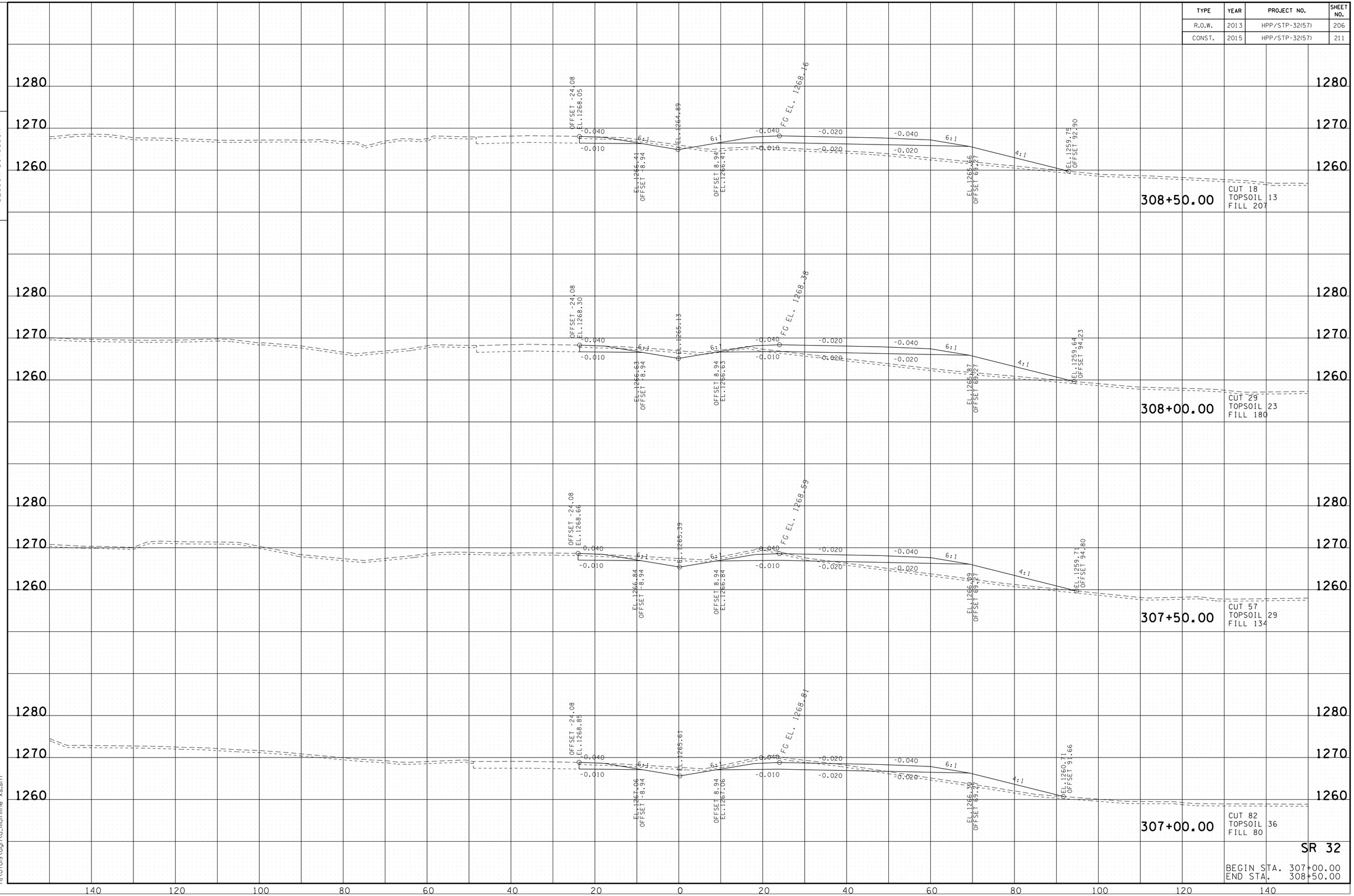
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	206
CONST.	2015	HPP/STP-32(57)	211



SR 32

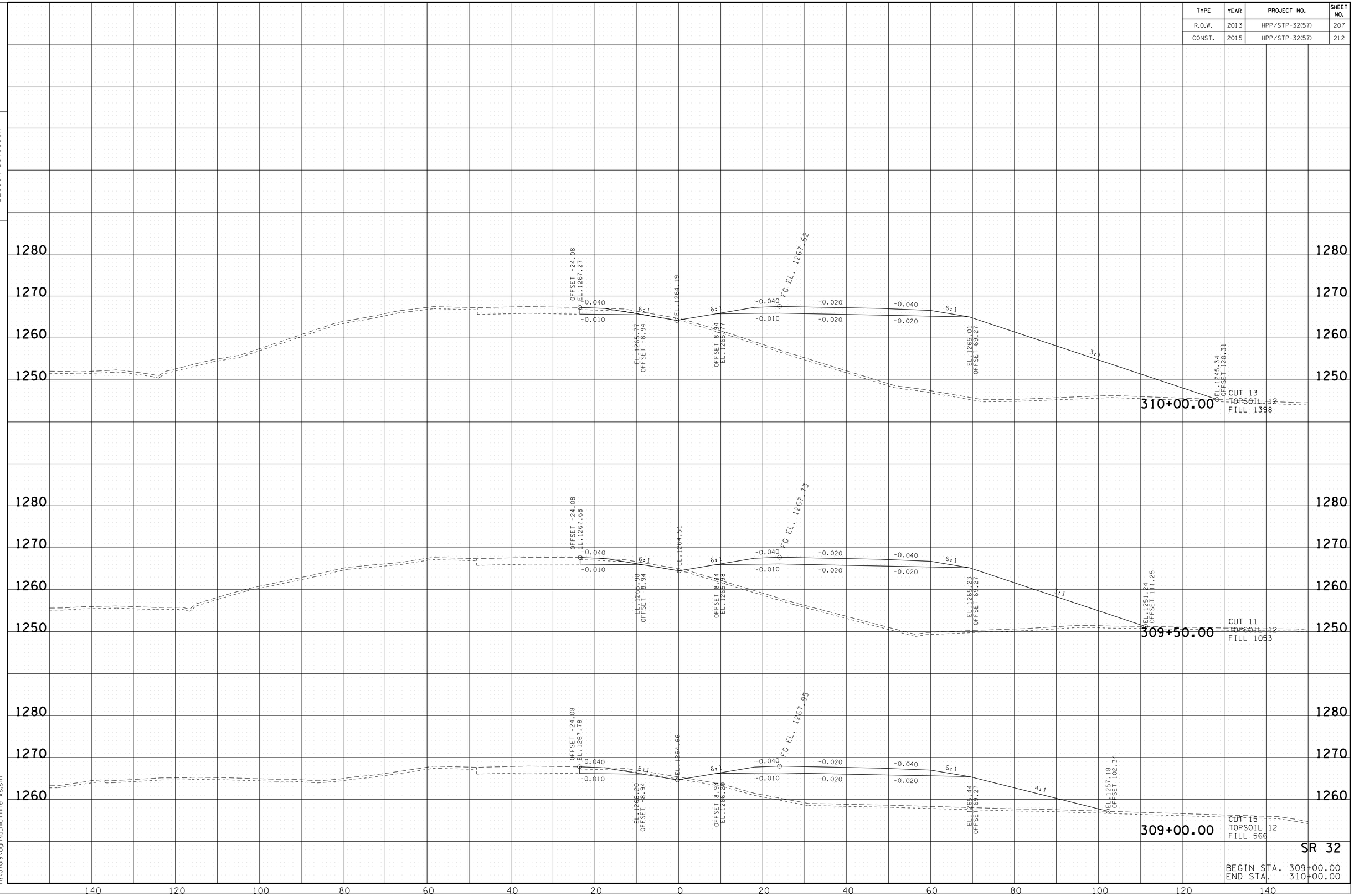
BEGIN STA. 307+00.00
END STA. 308+50.00

10/20/2014
h:\07019\dgn\a_mainline xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	207
CONST.	2015	HPP/STP-32(57)	212



SR 32

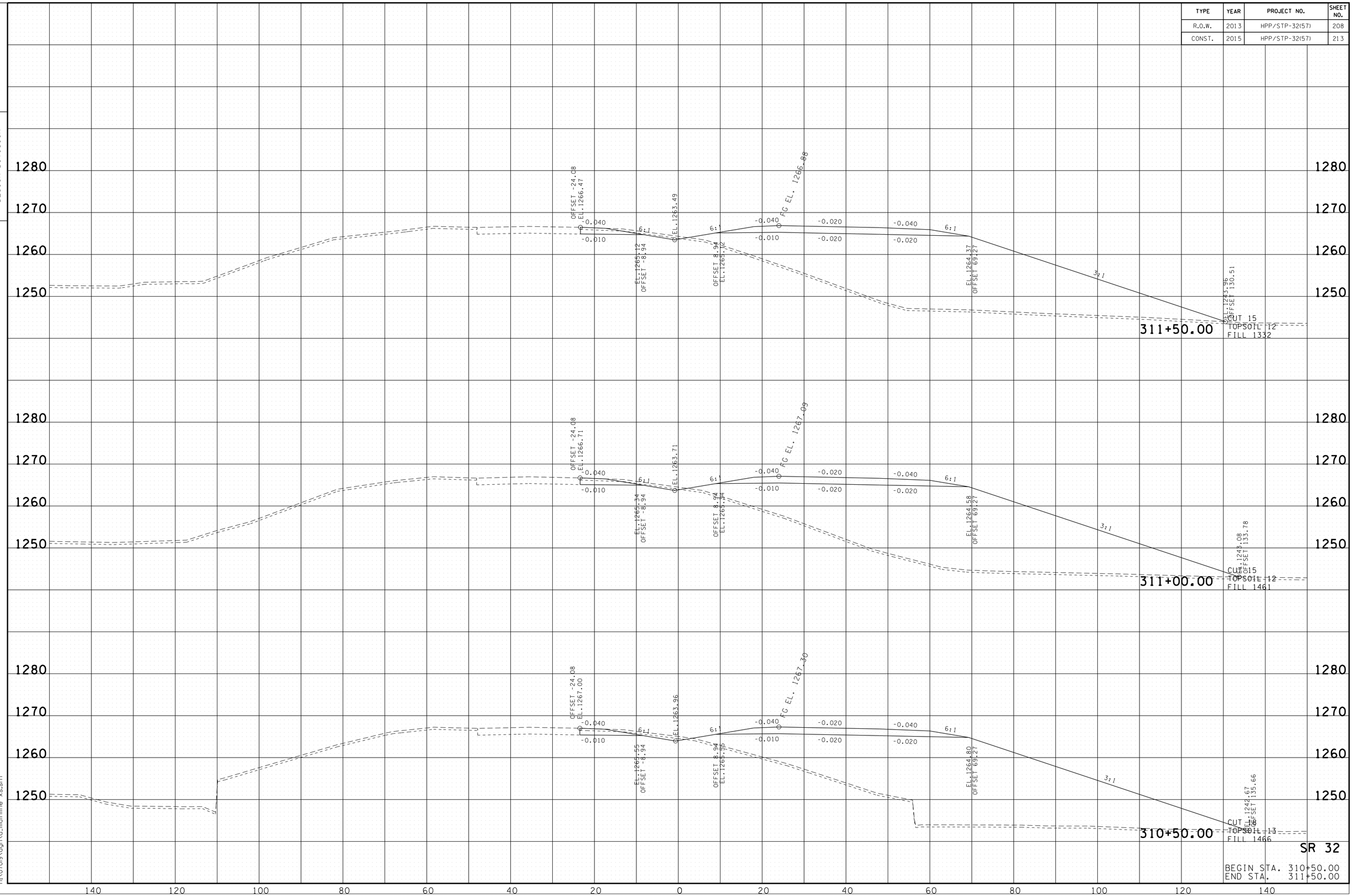
BEGIN STA. 309+00.00
END STA. 310+00.00

10/20/2014
h:\07019\dgn\a_mainline xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	208
CONST.	2015	HPP/STP-32(57)	213



10/20/2014
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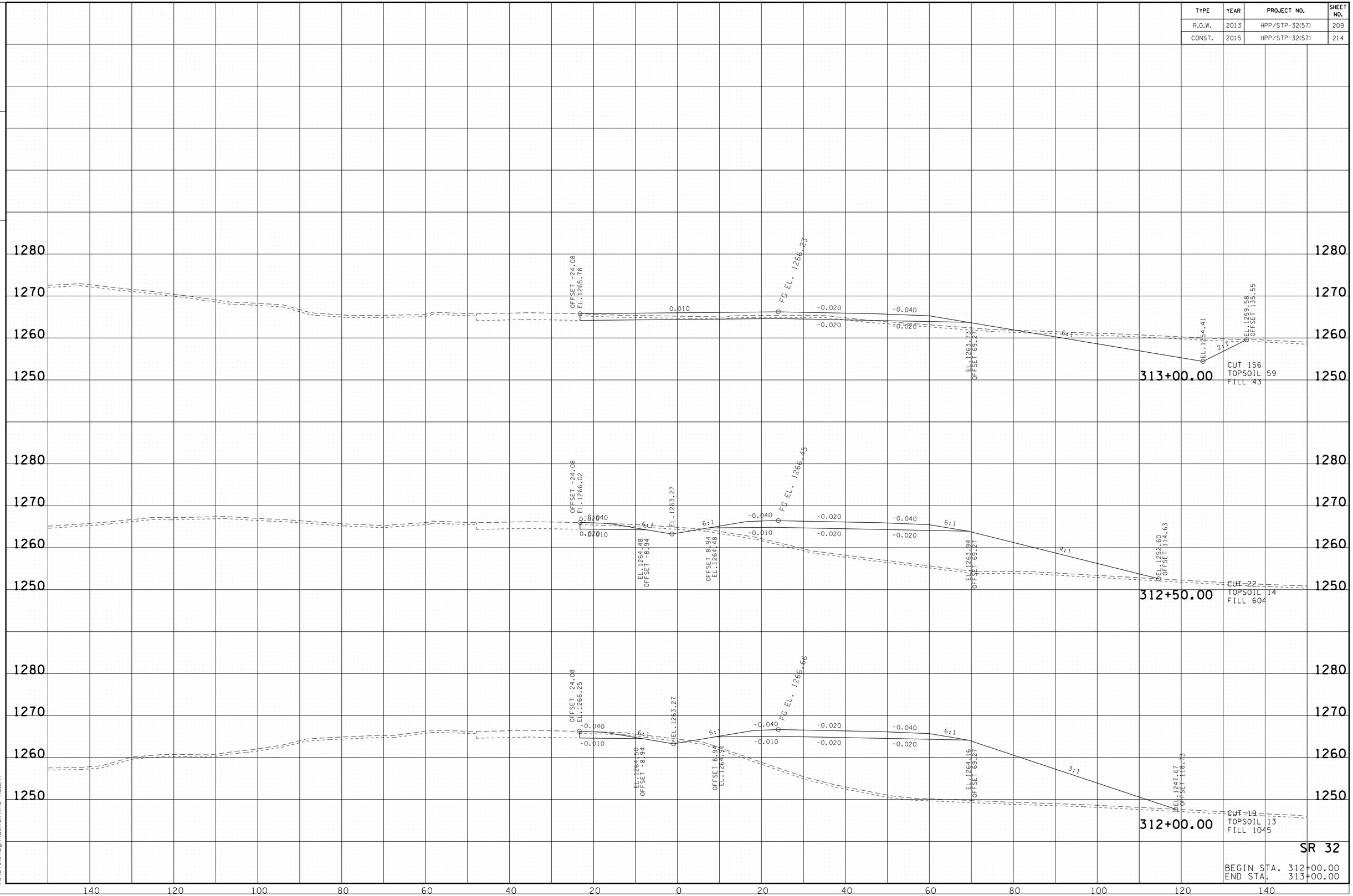
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	209
CONST.	2015	HPP/STP-32(57)	214

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 312+00.00
END STA. 313+00.00

10/20/2014
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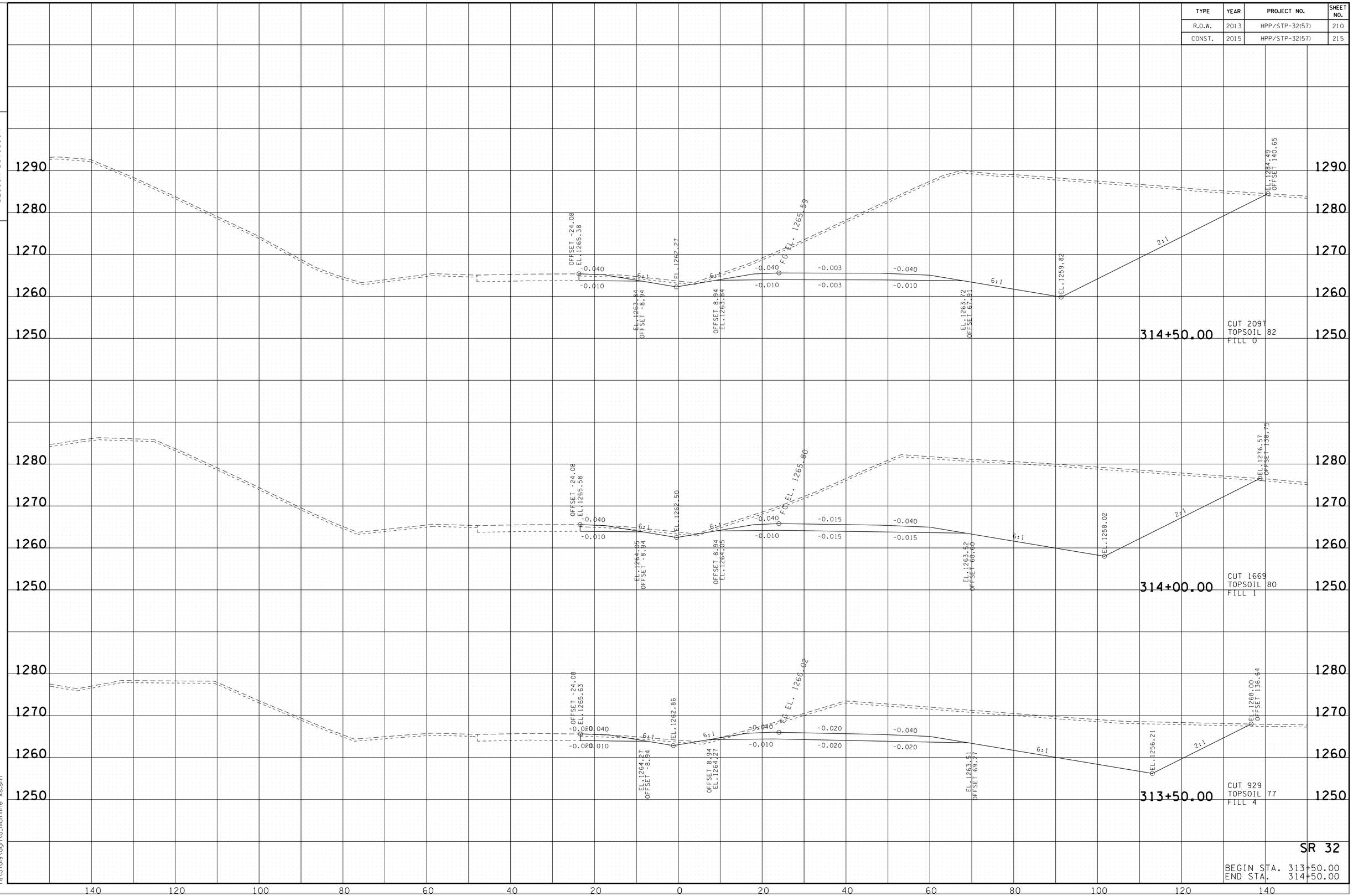
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	210
CONST.	2015	HPP/STP-32(57)	215



SR 32

BEGIN STA. 313+50.00
END STA. 314+50.00

10/20/2014
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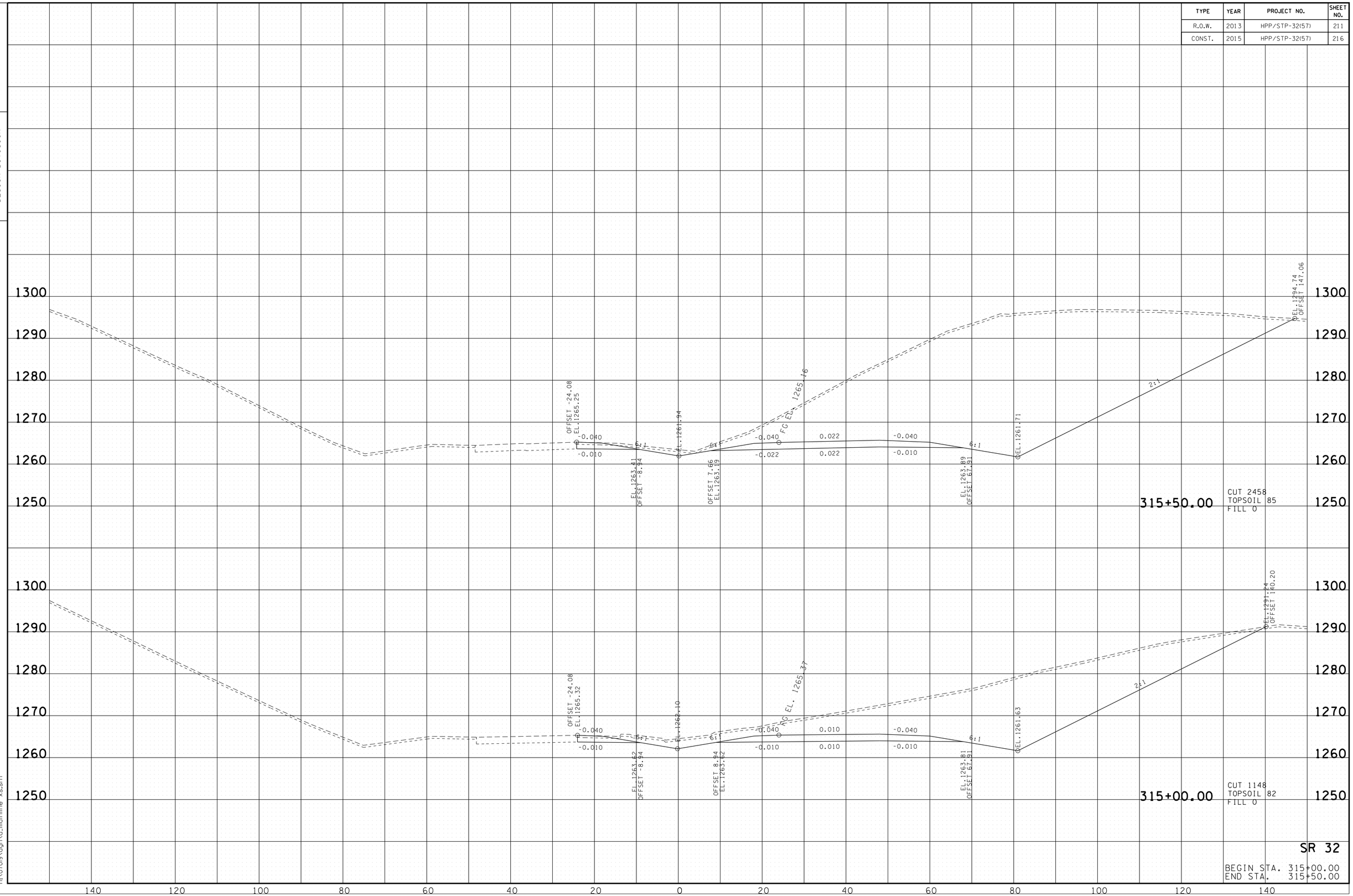
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	211
CONST.	2015	HPP/STP-32(57)	216



SR 32

BEGIN STA. 315+00.00
END STA. 315+50.00

10/20/2014
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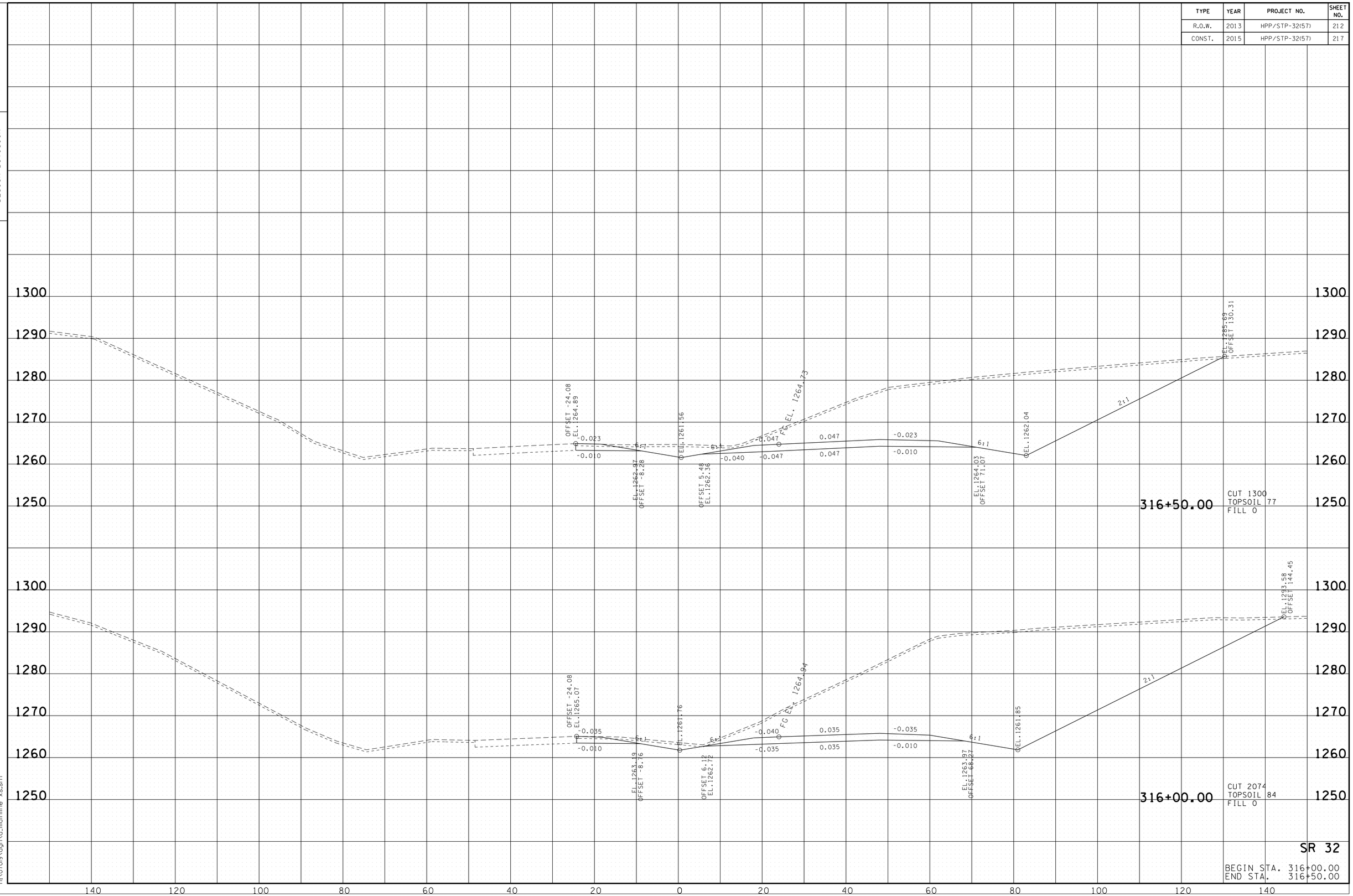
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	212
CONST.	2015	HPP/STP-32(57)	217



10/20/2014
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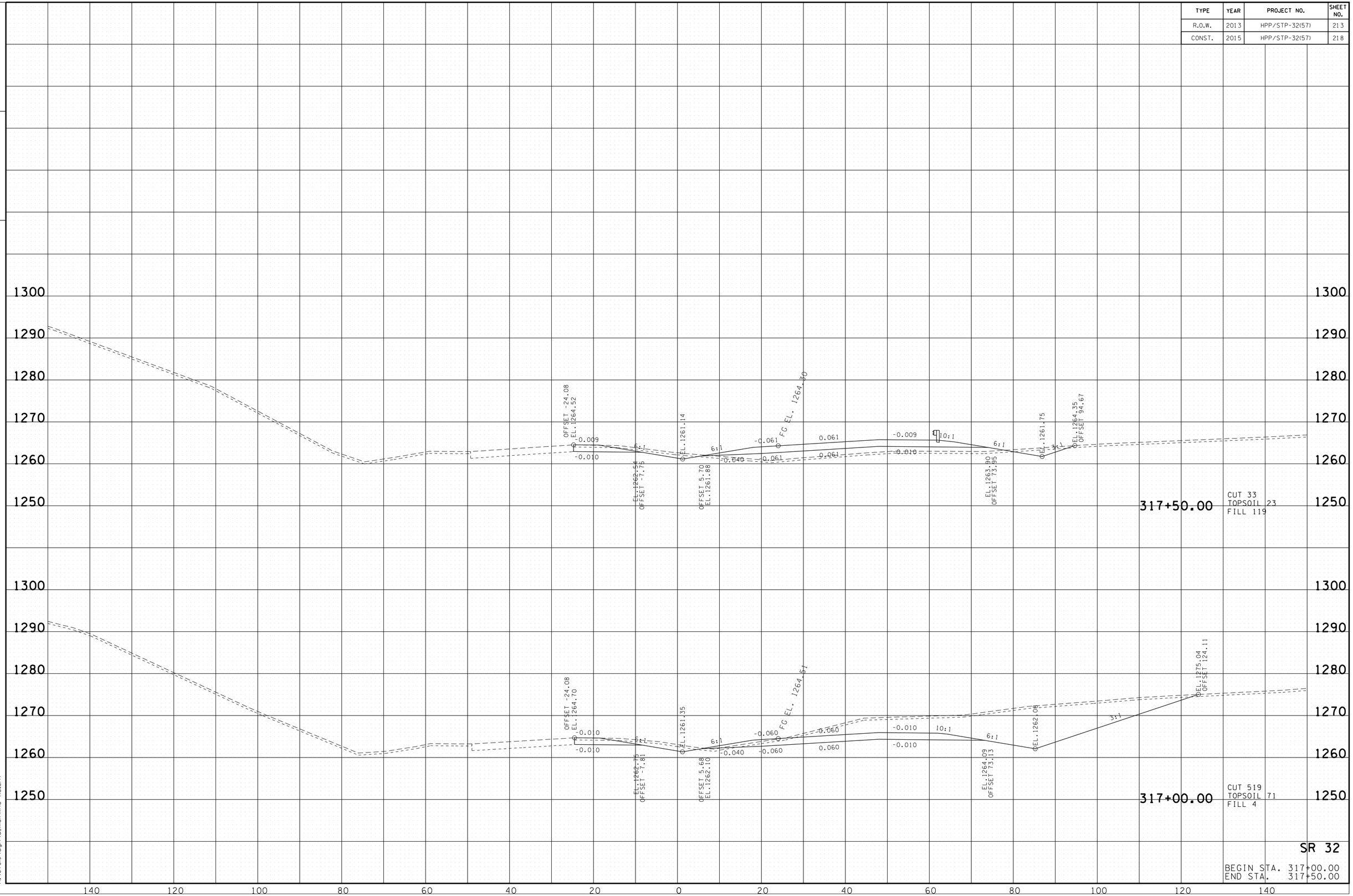
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	213
CONST.	2015	HPP/STP-32(57)	218

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 317+00.00
END STA. 317+50.00

10/20/2014
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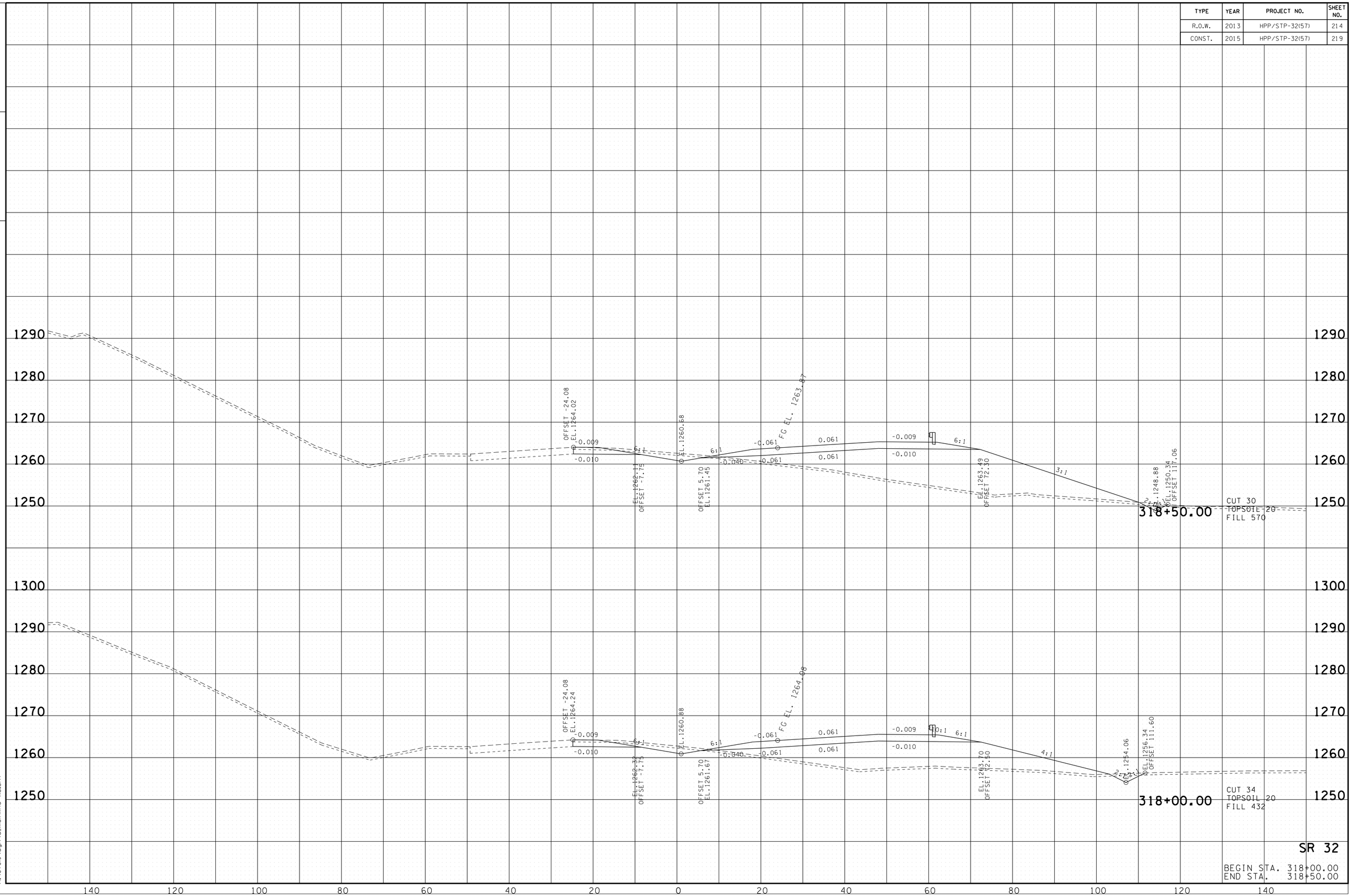
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	214
CONST.	2015	HPP/STP-32(57)	219



SR 32

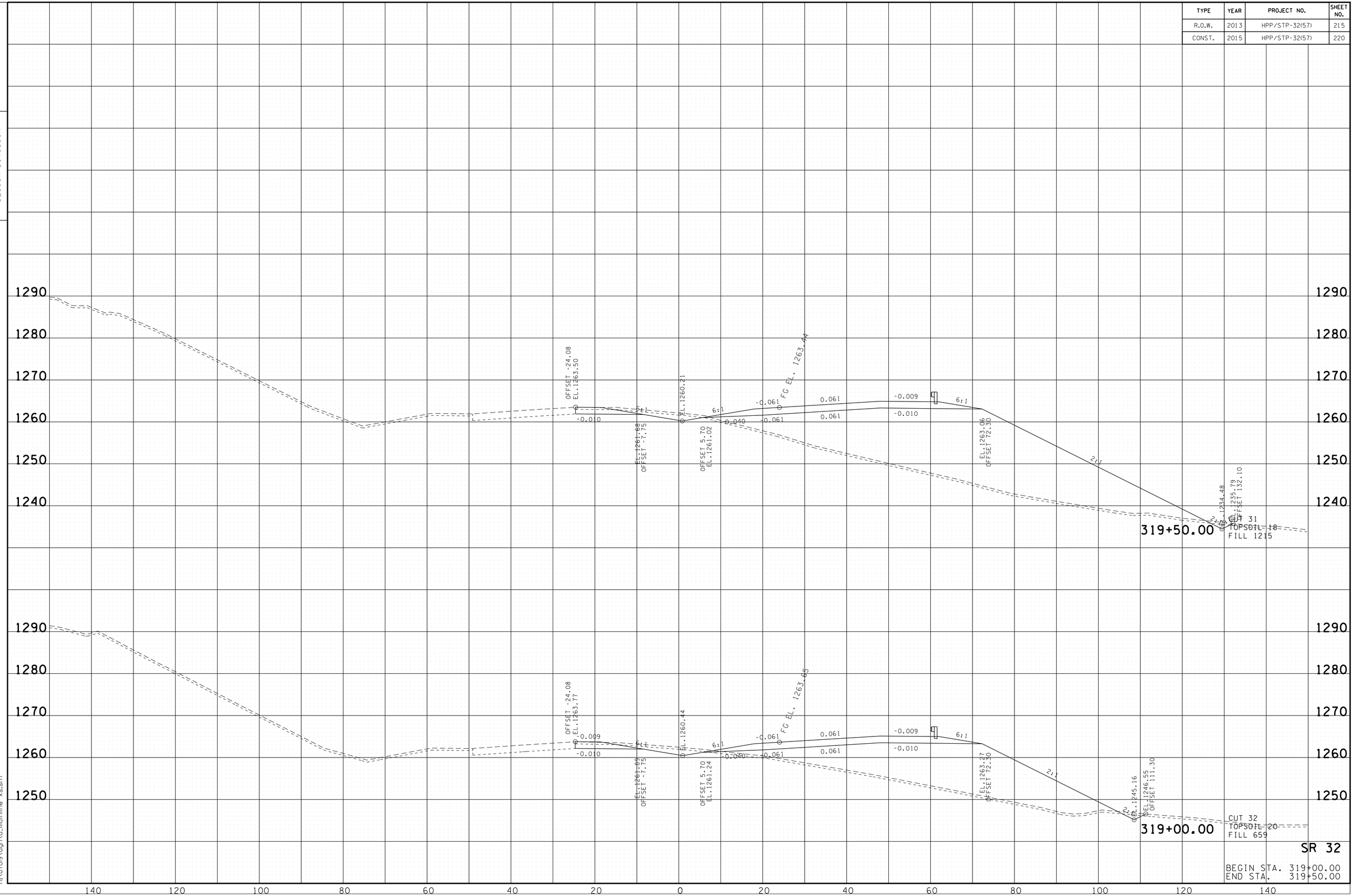
BEGIN STA. 318+00.00
END STA. 318+50.00

10/20/2014
h:\07019\dgn\a_mainline xs.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	215
CONST.	2015	HPP/STP-32(57)	220

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



10/20/2014
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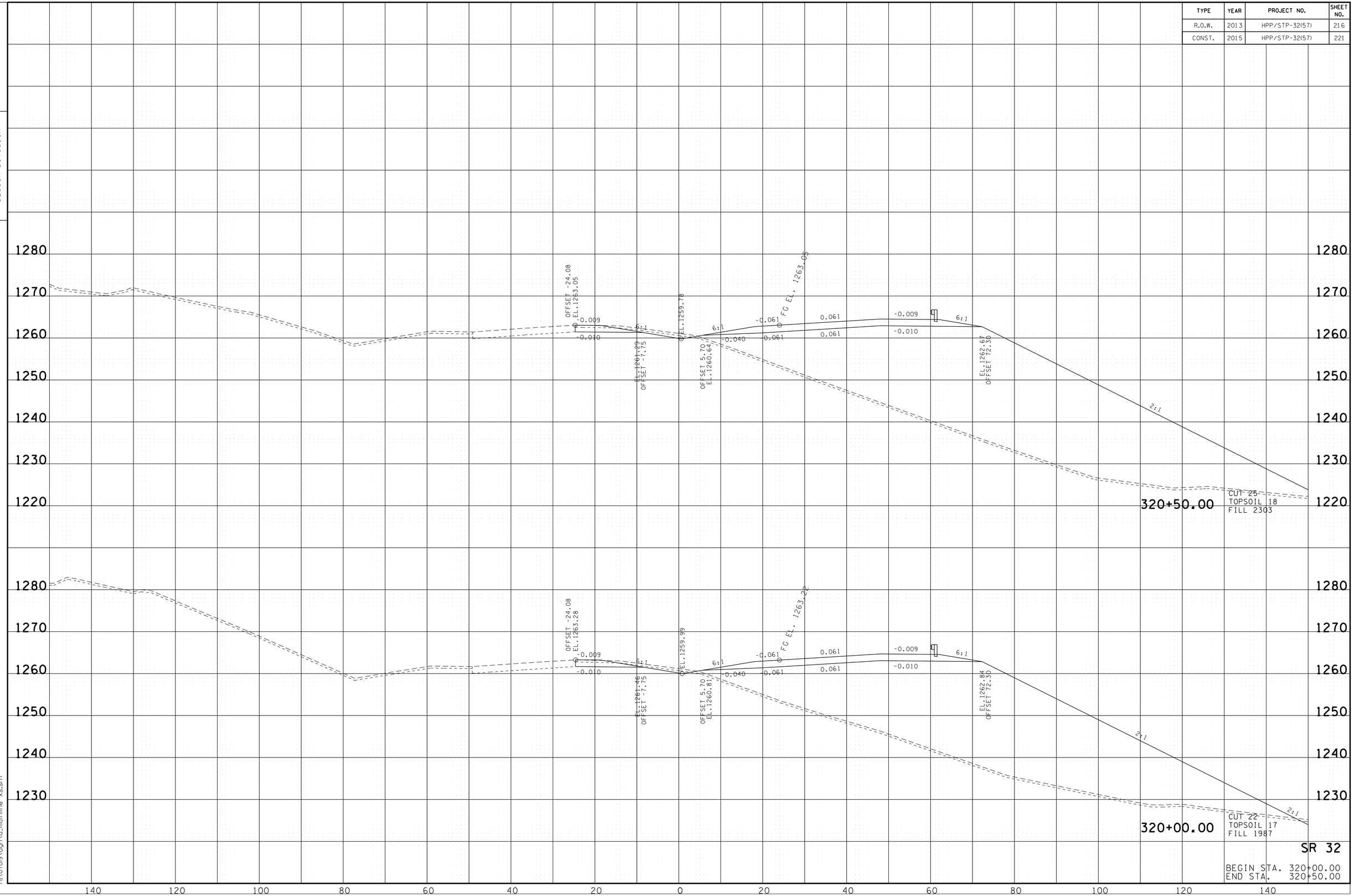
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	216
CONST.	2015	HPP/STP-32(57)	221



10/20/2014
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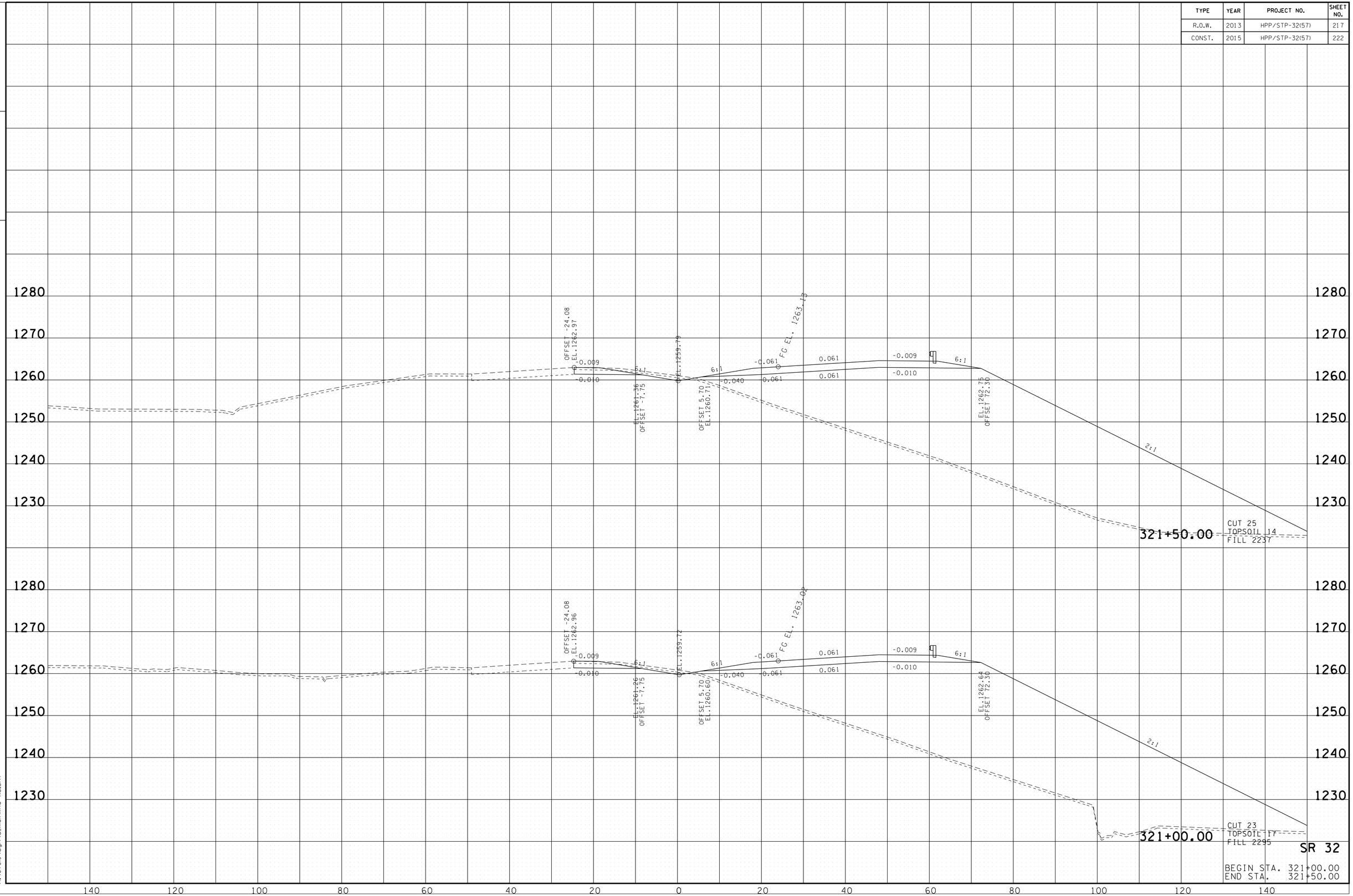
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	217
CONST.	2015	HPP/STP-32(57)	222



10/20/2014
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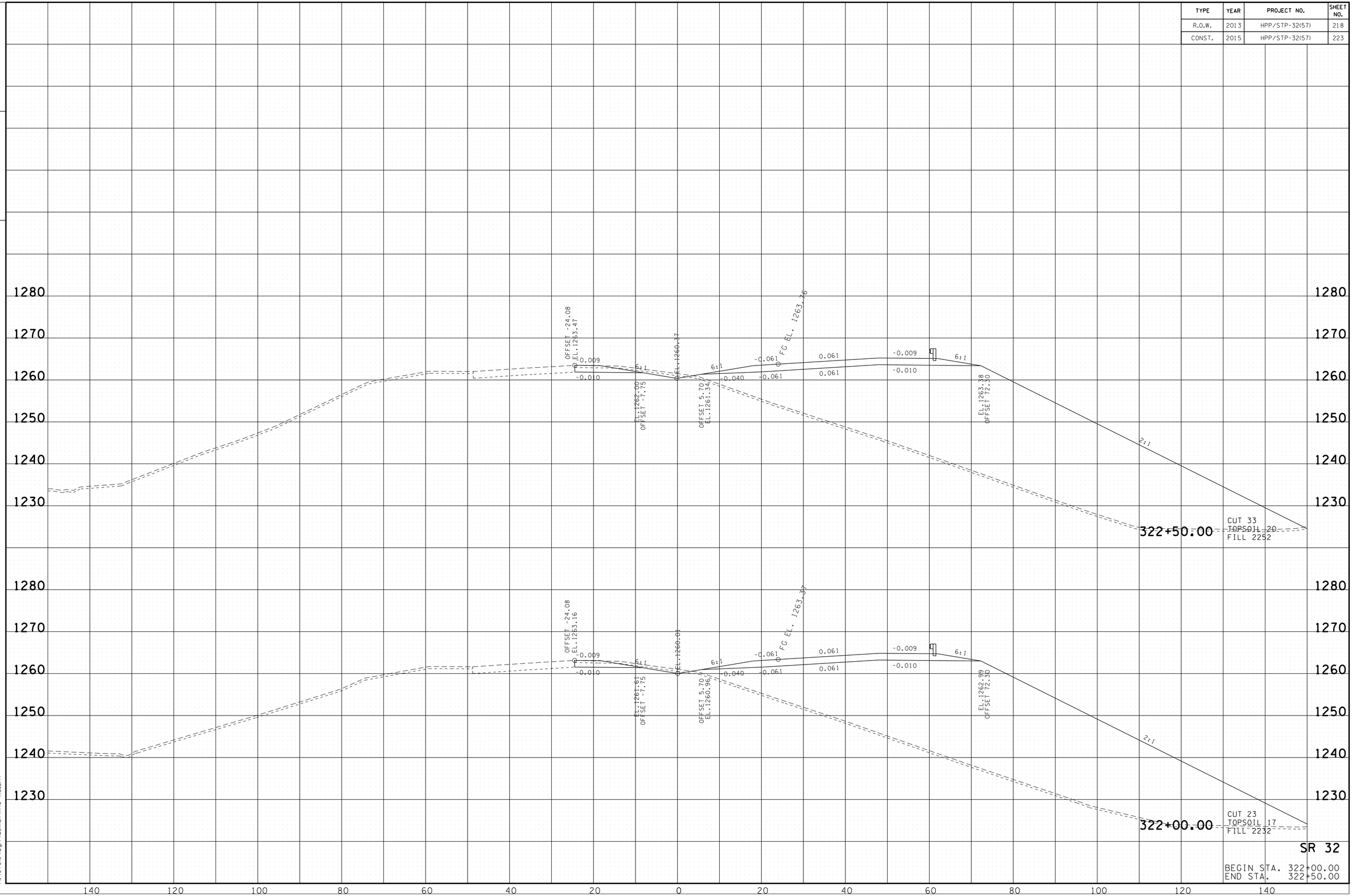
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	218
CONST.	2015	HPP/STP-32(57)	223



10/20/2014
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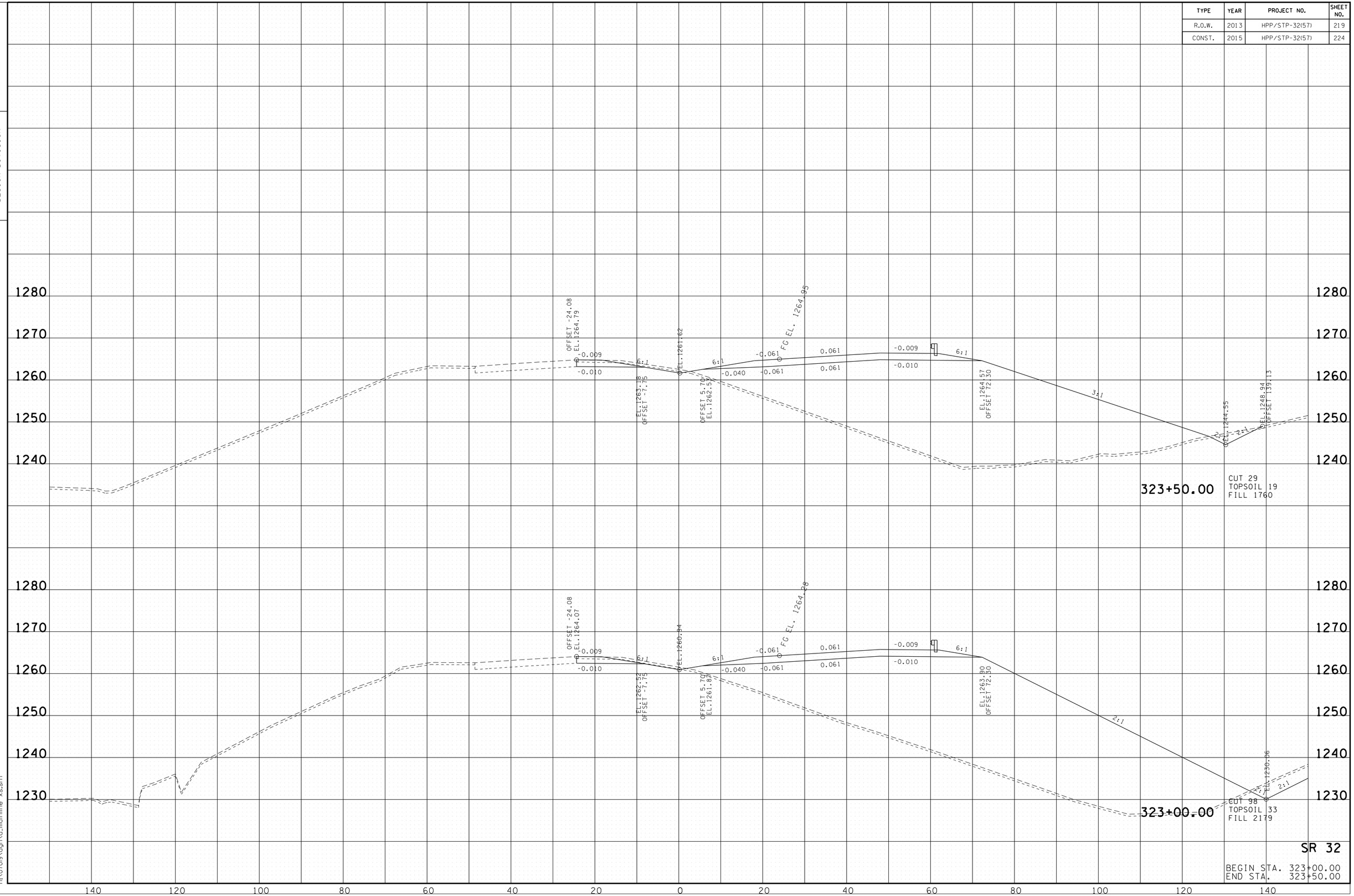
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	219
CONST.	2015	HPP/STP-32(57)	224



SR 32

BEGIN STA. 323+00.00
END STA. 323+50.00

10/20/2014
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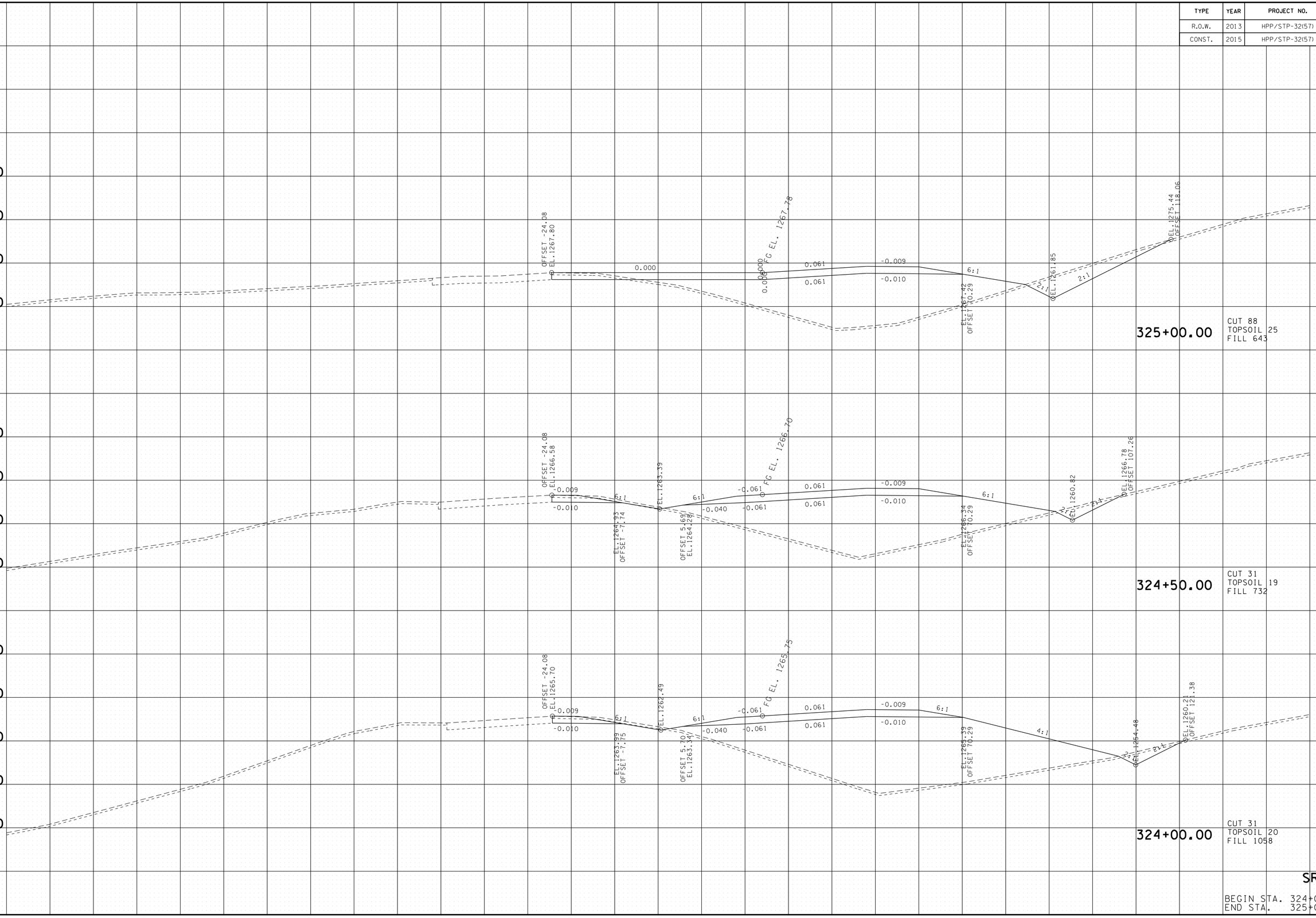
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	220
CONST.	2015	HPP/STP-32(57)	225



SR 32

BEGIN STA. 324+00.00
END STA. 325+00.00

10/20/2014
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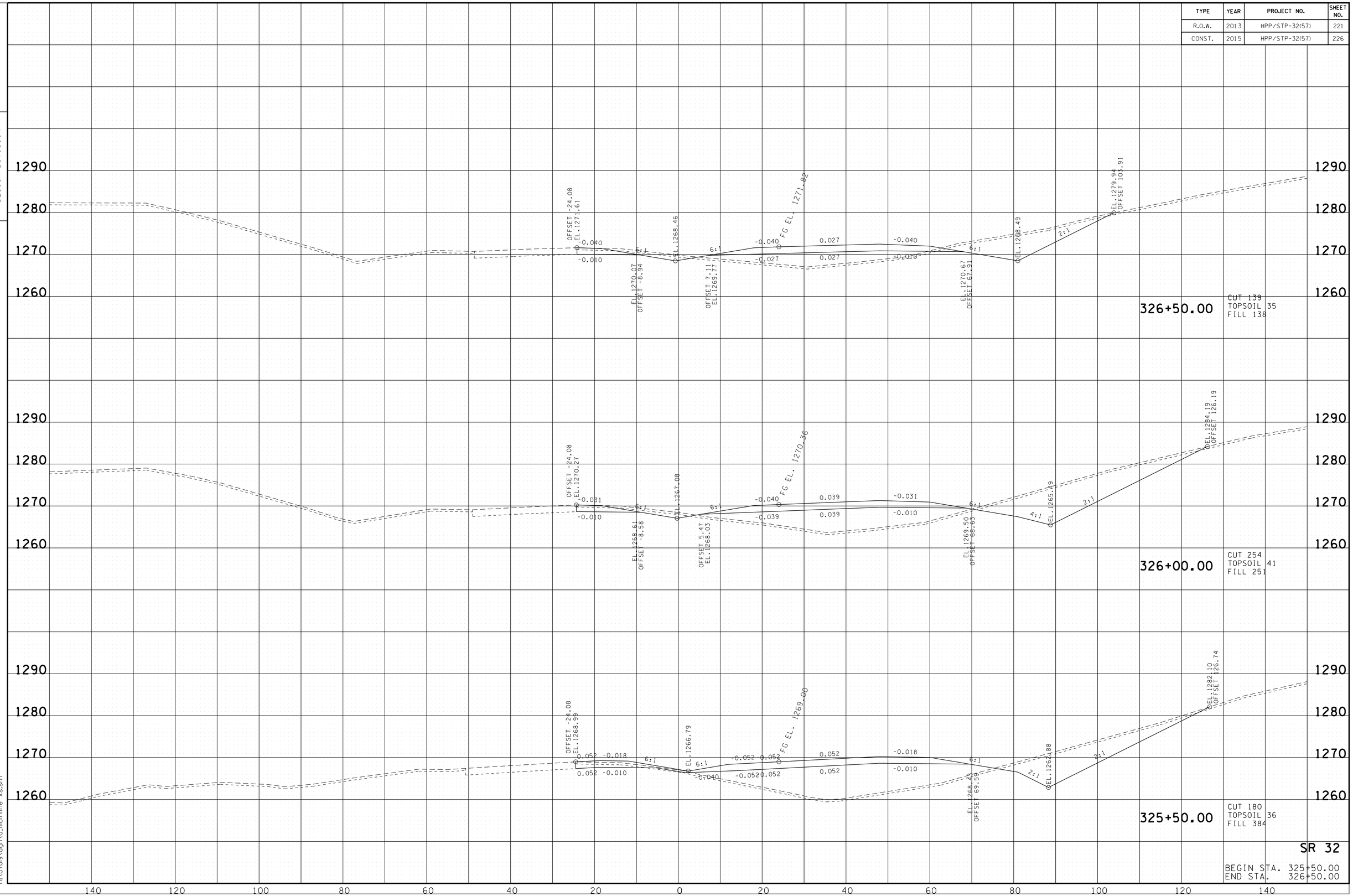
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	221
CONST.	2015	HPP/STP-32(57)	226



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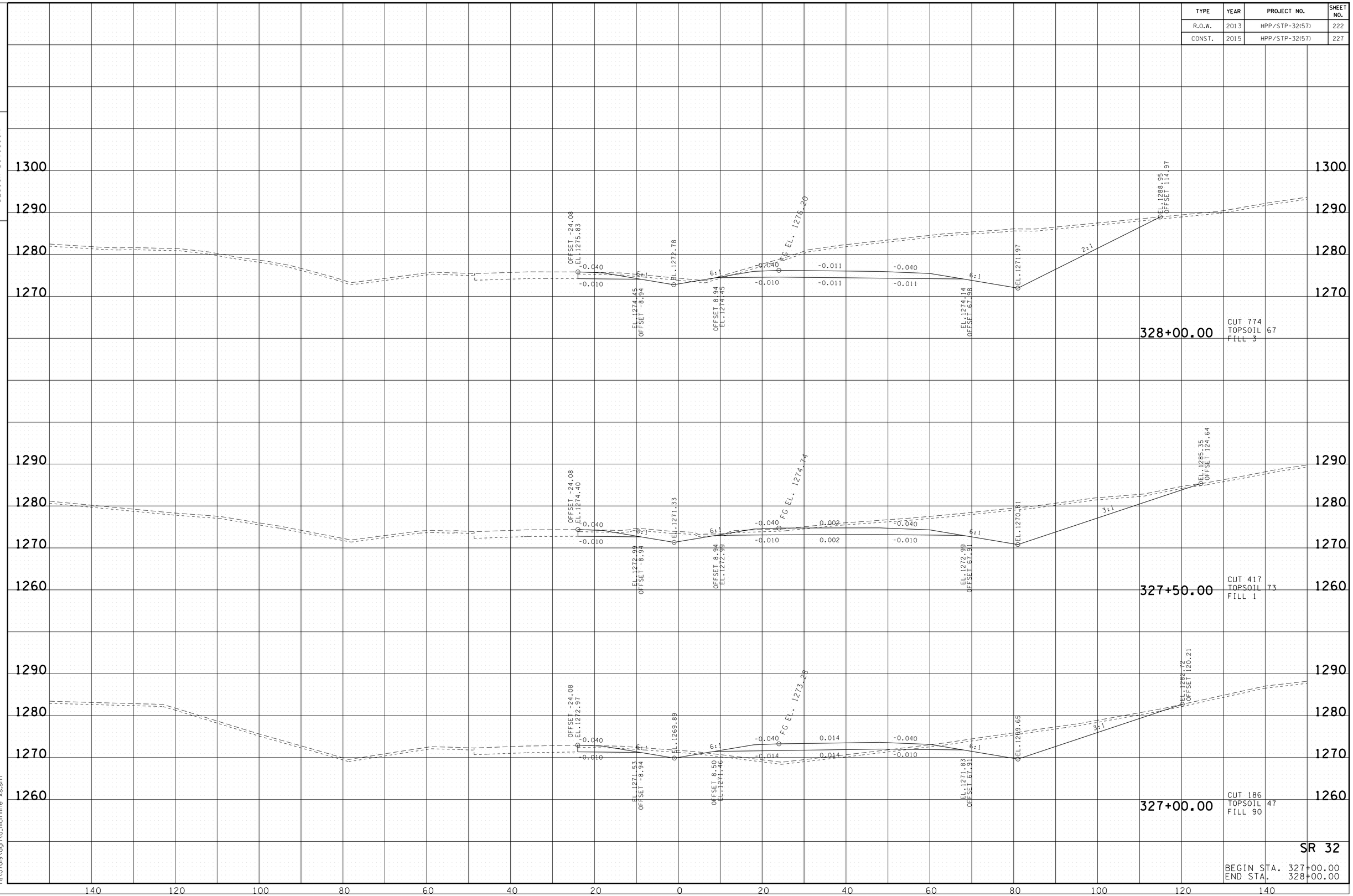
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	222
CONST.	2015	HPP/STP-32(57)	227



SR 32

BEGIN STA. 327+00.00
END STA. 328+00.00

10/20/2014
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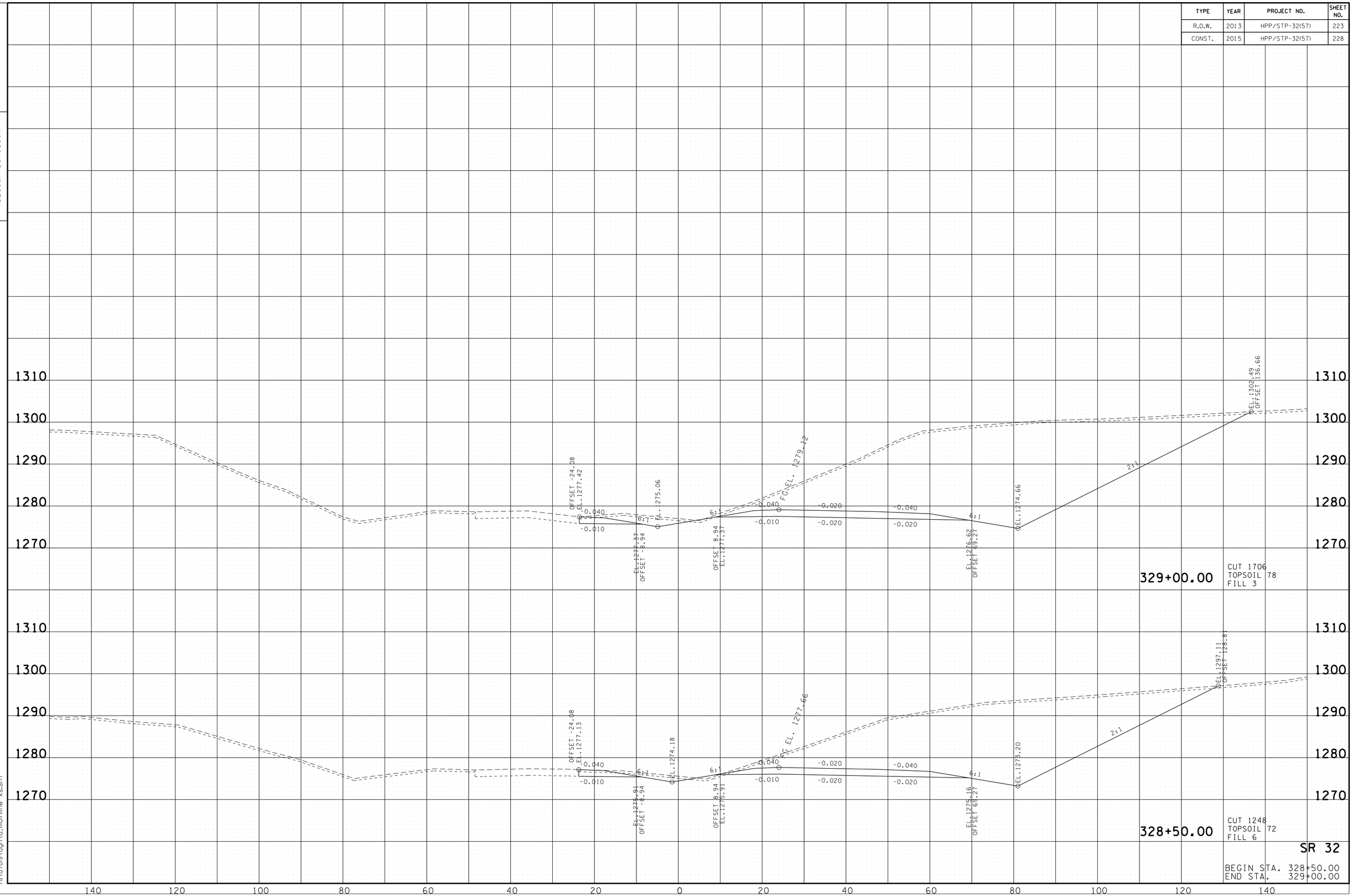
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	223
CONST.	2015	HPP/STP-32(57)	228



SR 32

BEGIN STA. 328+50.00
END STA. 329+00.00

10/20/2014
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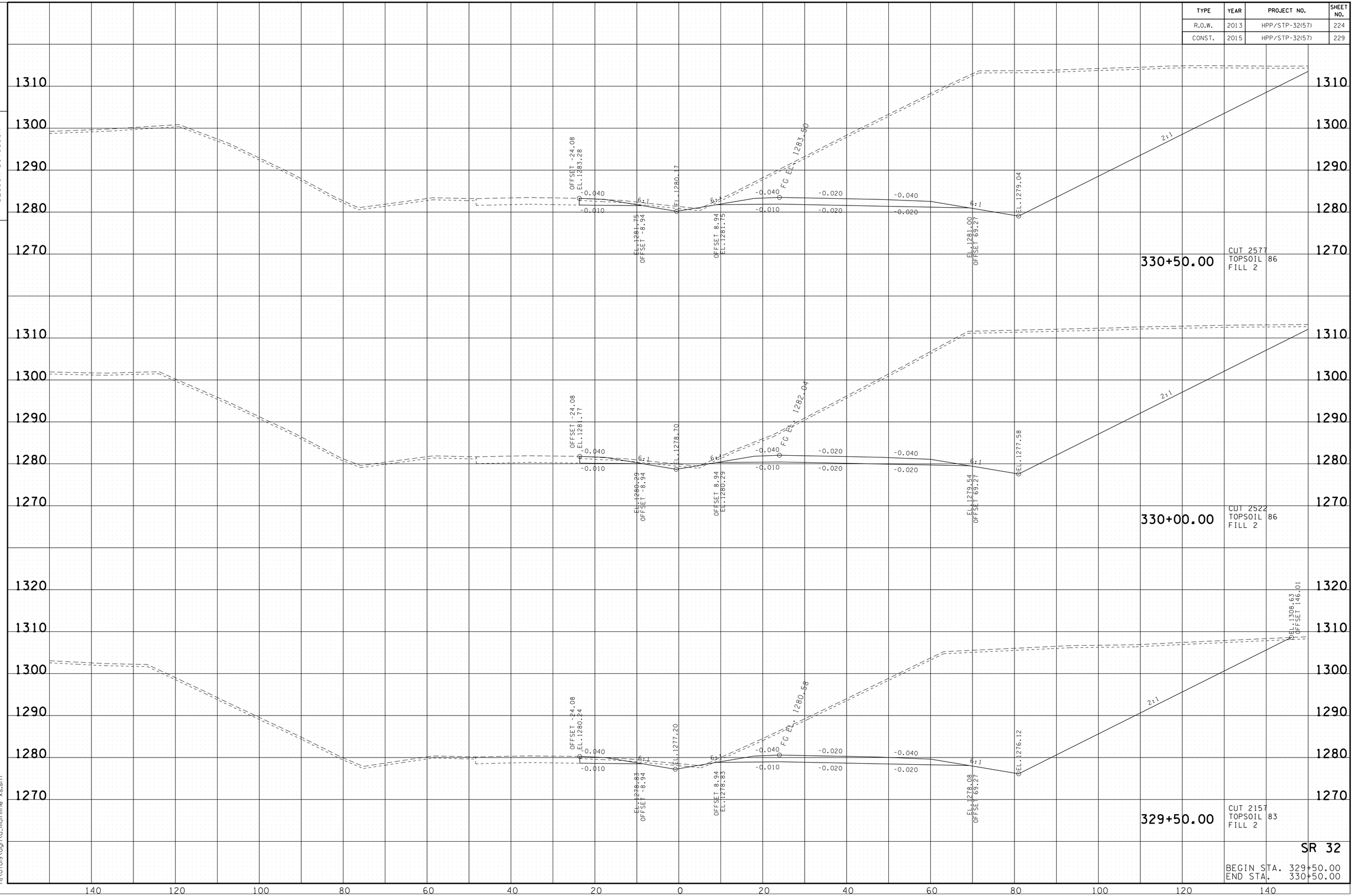
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	224
CONST.	2015	HPP/STP-32(57)	229

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 329+50.00
END STA. 330+50.00

10/20/2014
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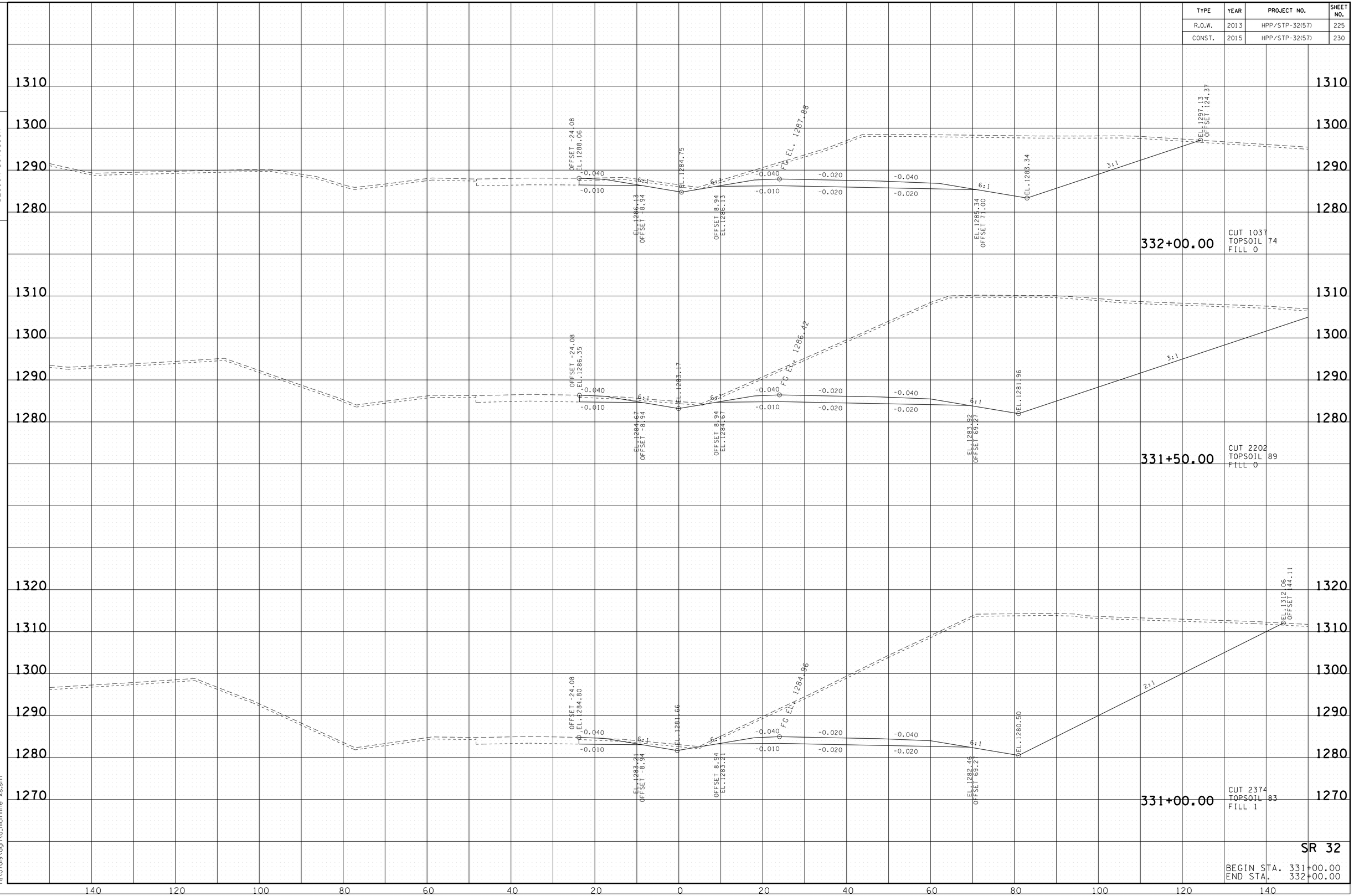
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	225
CONST.	2015	HPP/STP-32(57)	230



SR 32

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

10/20/2014
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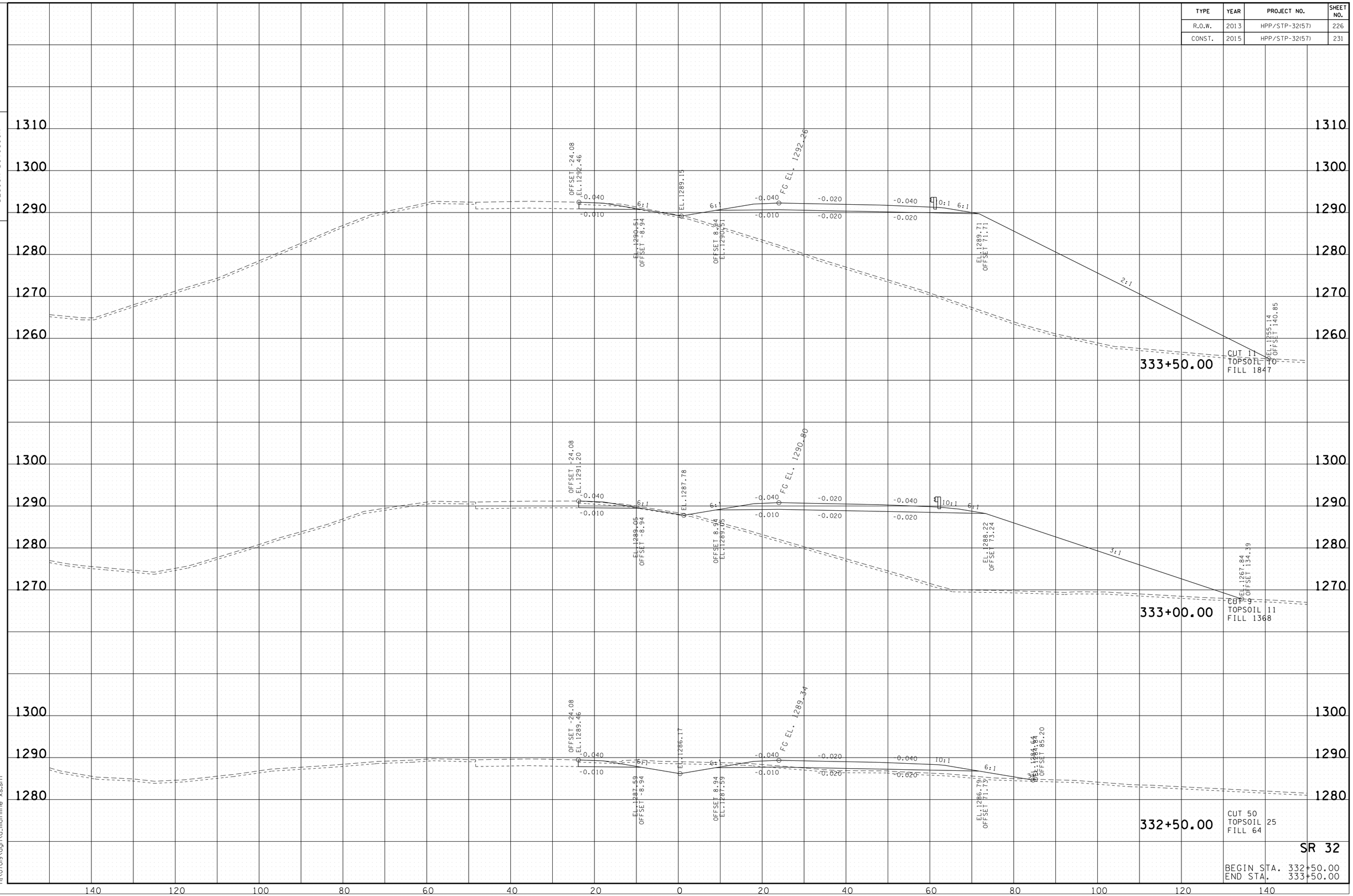
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	226
CONST.	2015	HPP/STP-32(57)	231

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 332+50.00
END STA. 333+50.00

10/20/2014
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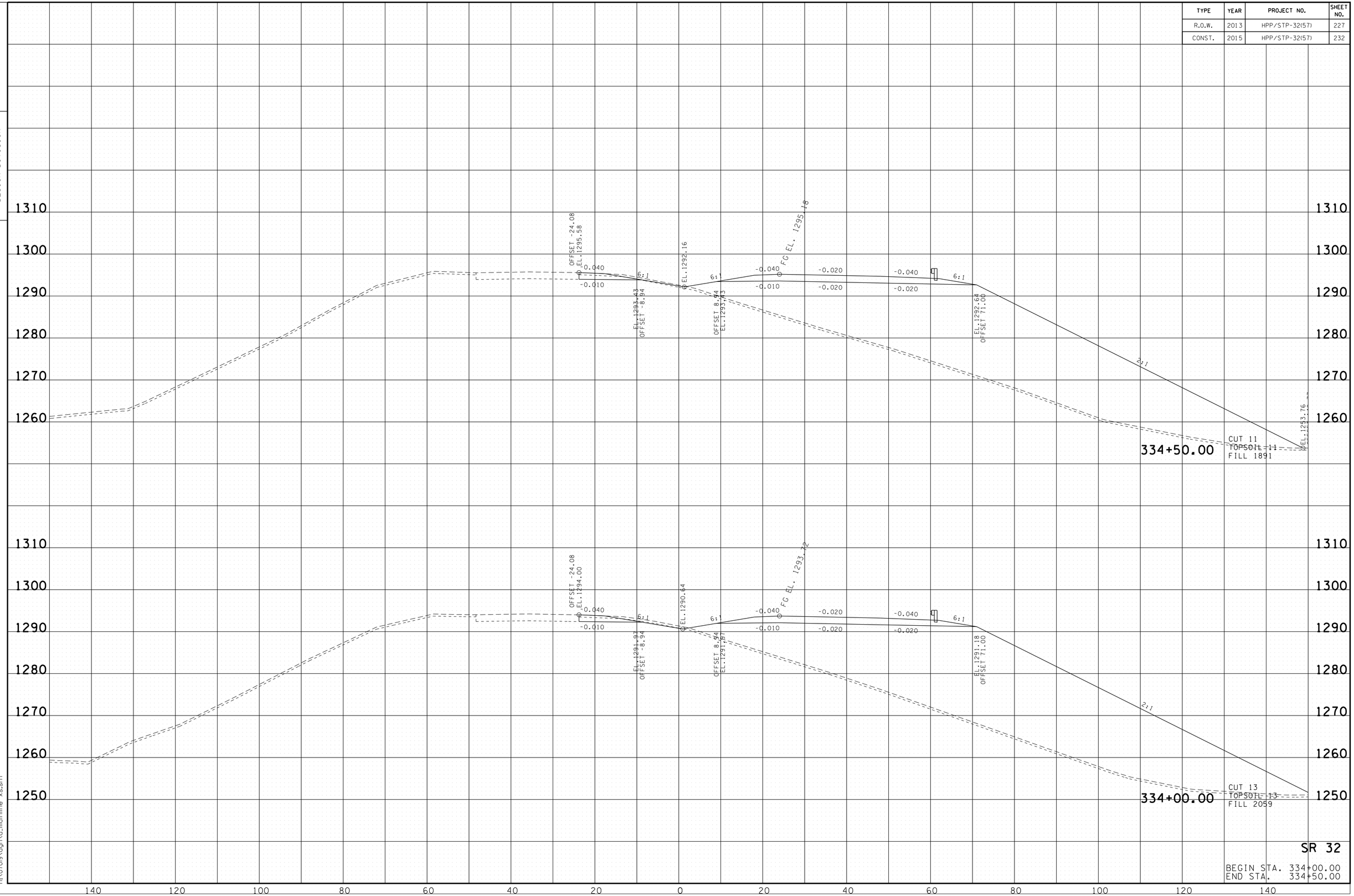
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	227
CONST.	2015	HPP/STP-32(57)	232

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 334+00.00
END STA. 334+50.00

10/20/2014
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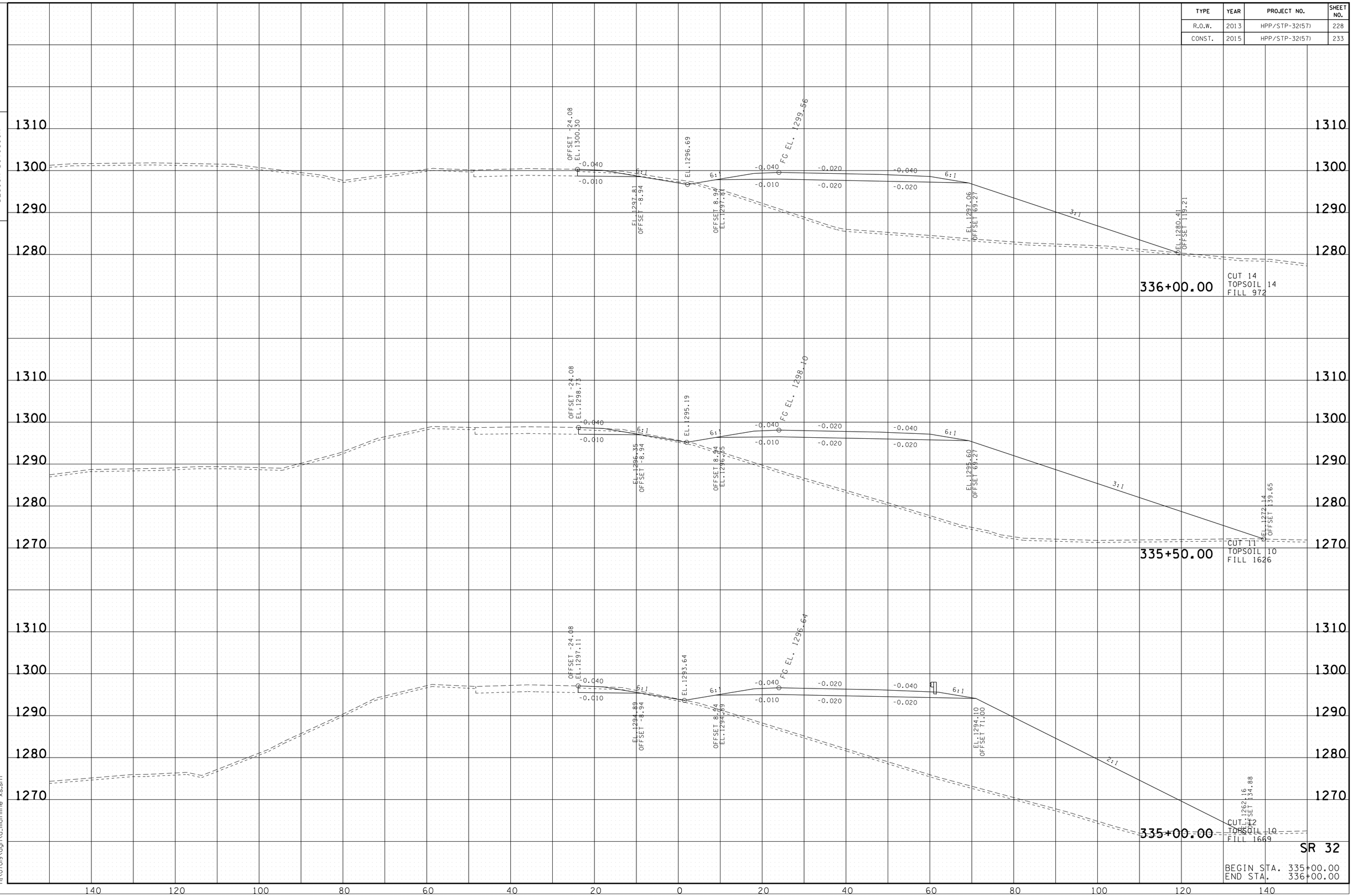
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	228
CONST.	2015	HPP/STP-32(57)	233



10/20/2014
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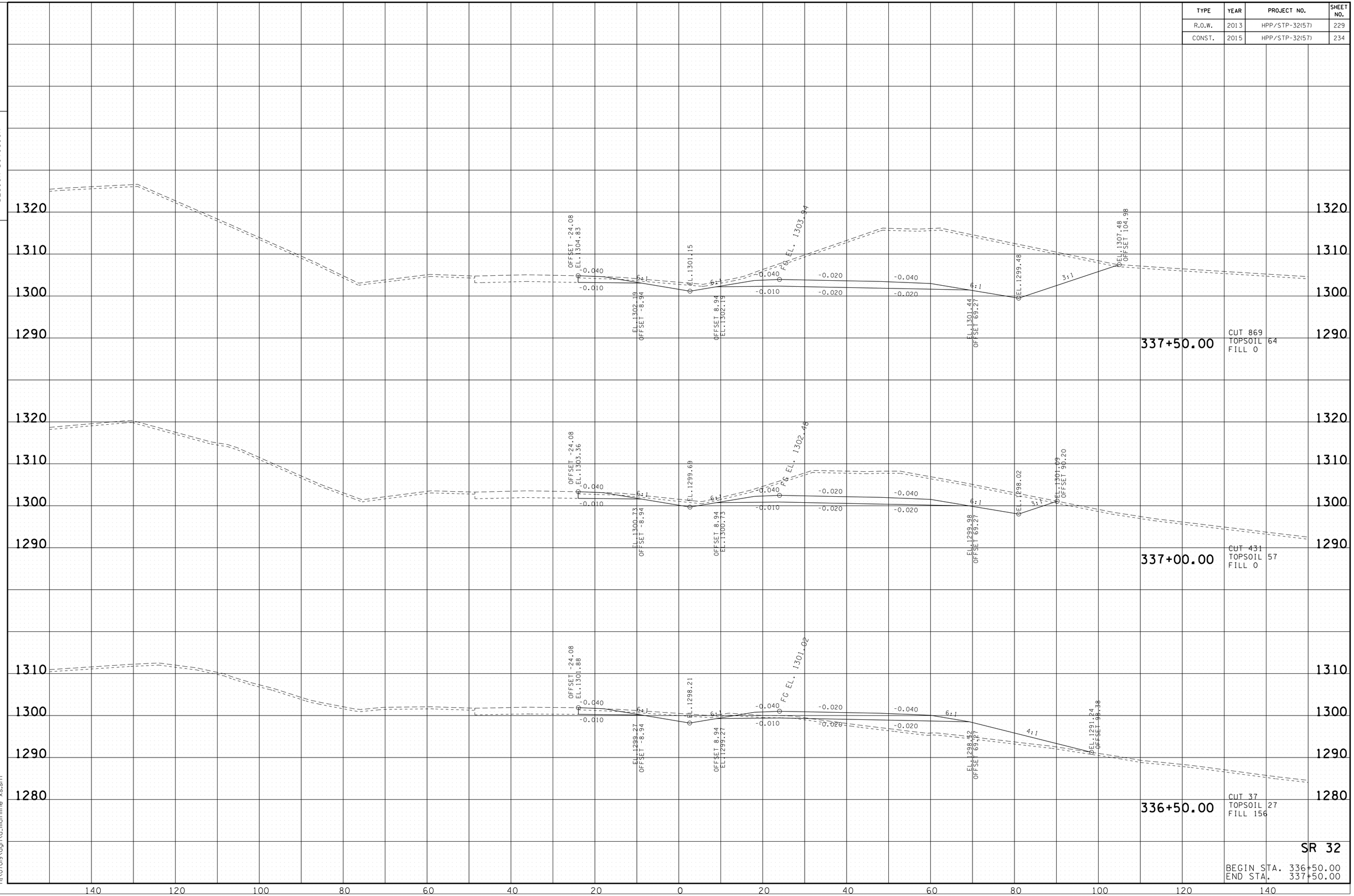
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	229
CONST.	2015	HPP/STP-32(57)	234



SR 32

BEGIN STA. 336+50.00
END STA. 337+50.00

10/20/2014
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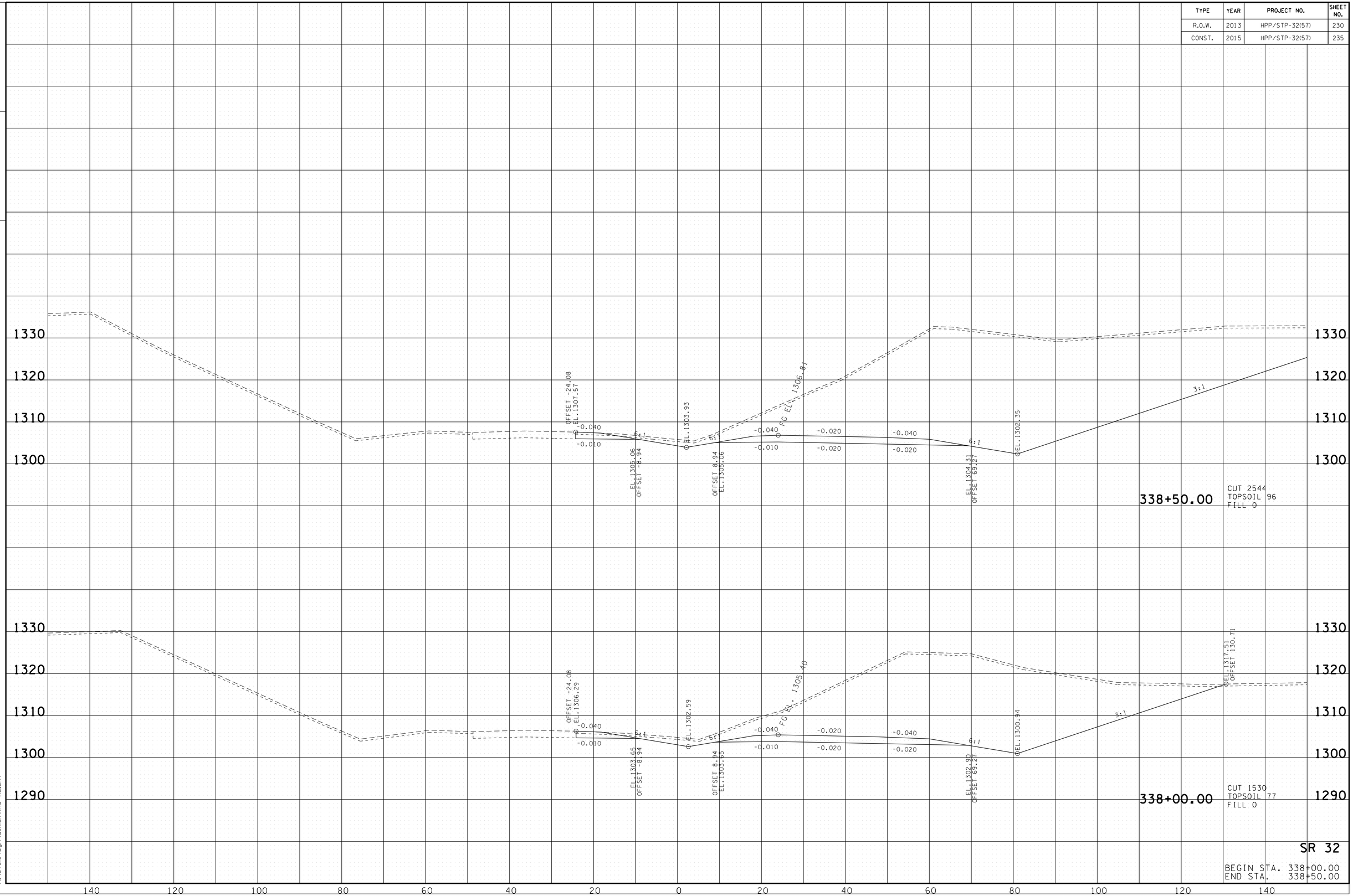
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	230
CONST.	2015	HPP/STP-32(57)	235



SR 32

BEGIN STA. 338+00.00
END STA. 338+50.00

10/20/2014
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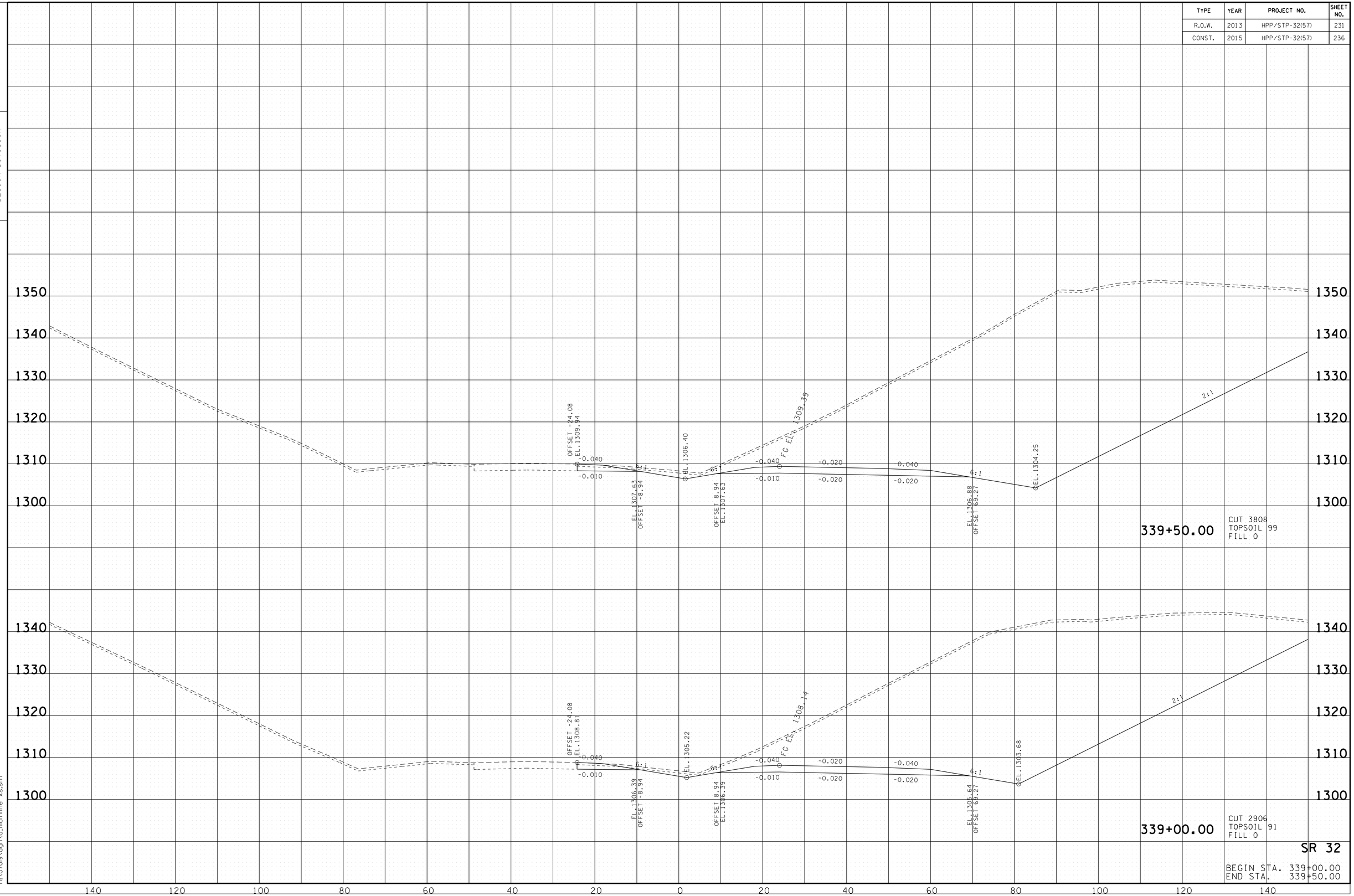
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	231
CONST.	2015	HPP/STP-32(57)	236



10/20/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	232
CONST.	2015	HPP/STP-32(57)	237

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

1350
1340
1330
1320
1310
1300

OFFSET -24.08
EL.1312.06

0.020 -0.040 6:1

0.020 -0.010 -0.010

EL.1310.24

6:1 -0.010 -0.010 0.020

FG EL. 1311.63

-0.040 0.020 -0.020 -0.040

-0.020 -0.020

6:1

EL.1309.12
OFFSET 69.27

2:1

EL.1305.42

2:1

340+50.00

CUT 3983
TOPSOIL 100
FILL 4

OFFSET -24.08
EL.1310.94

0.040 -0.010

EL.1307.49

6:1 -0.040 -0.010

FG EL. 1310.55

-0.020 -0.040 -0.020

-0.020

6:1

EL.1308.80
OFFSET -8.94

OFFSET 8.94
EL.1308.80

EL.1308.04
OFFSET 69.27

2:1

EL.1304.84

2:1

340+00.00

CUT 4037
TOPSOIL 103
FILL 0

SR 32

BEGIN STA. 340+00.00
END STA. 340+50.00

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

10/20/2014
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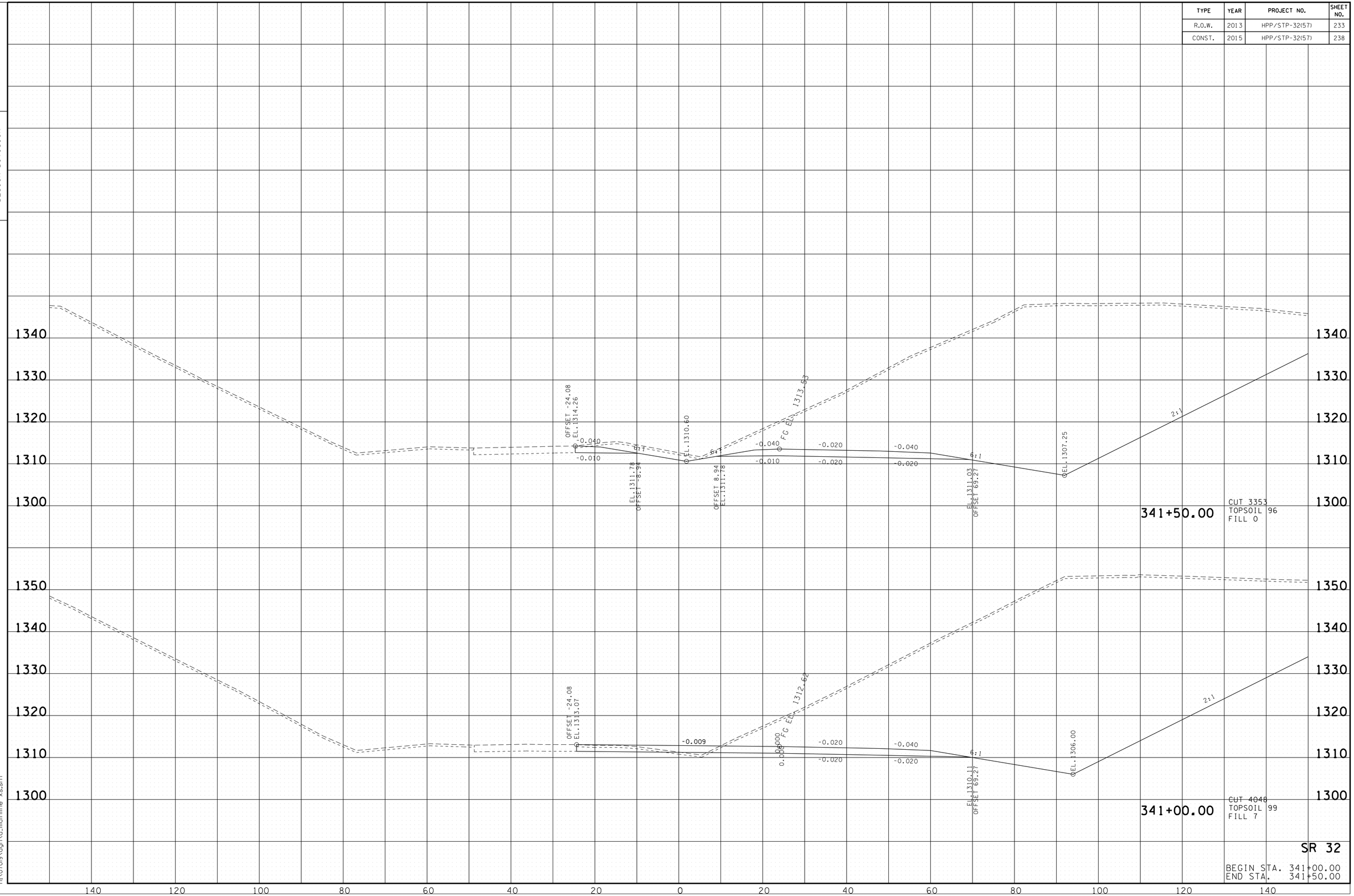
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	233
CONST.	2015	HPP/STP-32(57)	238



SR 32

BEGIN STA. 341+00.00
END STA. 341+50.00

10/20/2014
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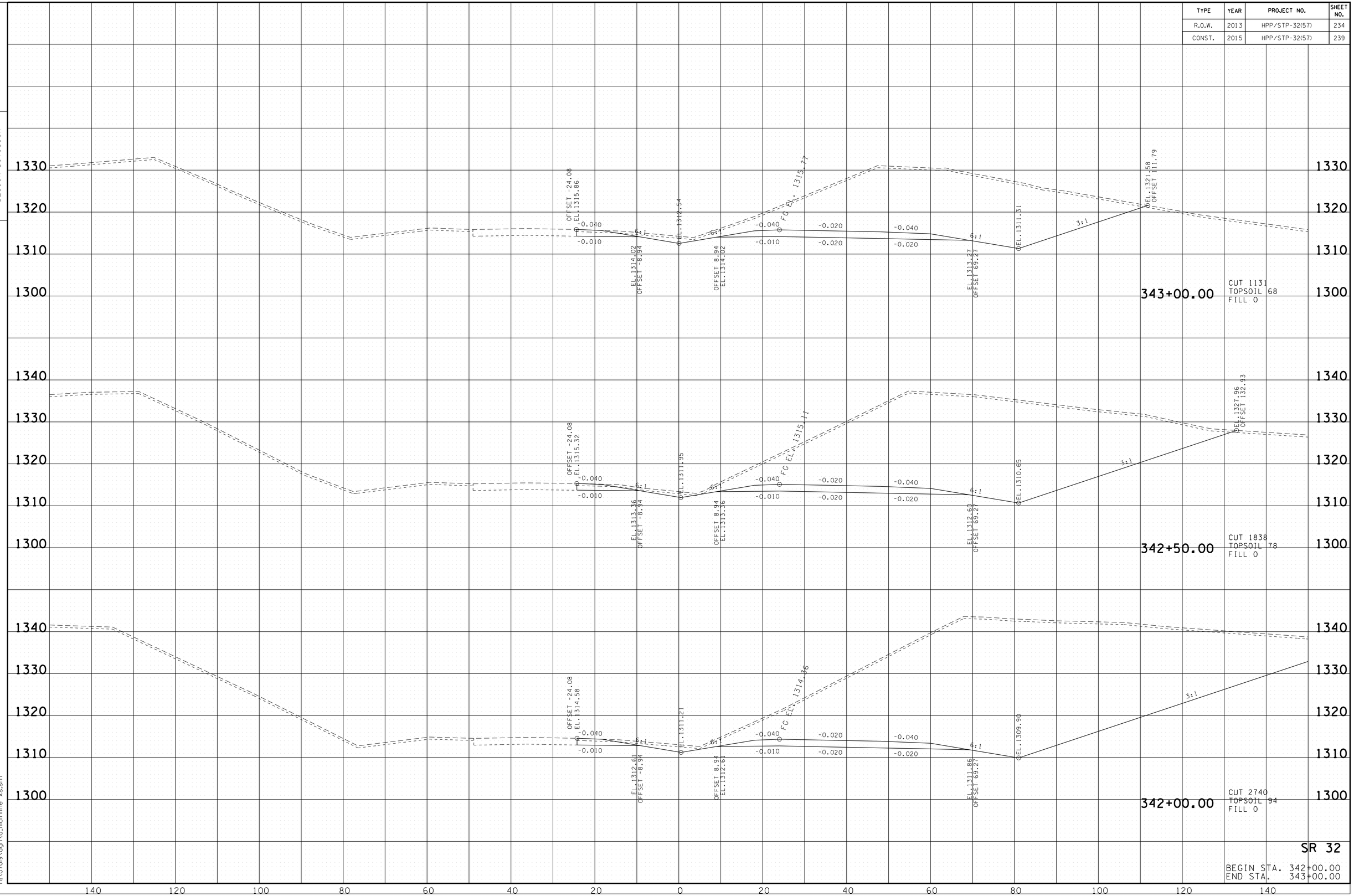
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	234
CONST.	2015	HPP/STP-32(57)	239

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 342+00.00
END STA. 343+00.00

10/20/2014
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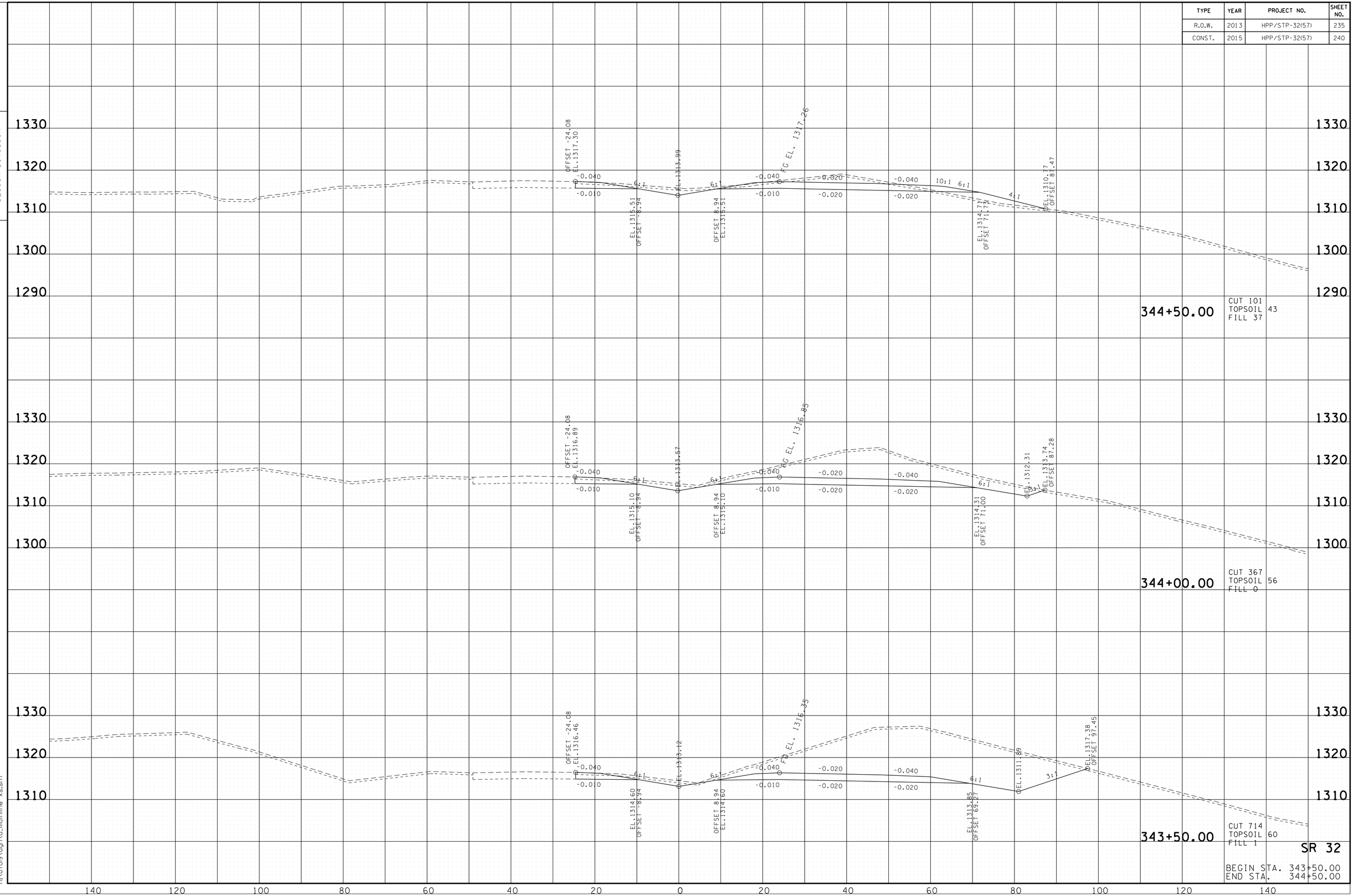
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	235
CONST.	2015	HPP/STP-32(57)	240



SR 32

BEGIN STA. 343+50.00
END STA. 344+50.00

10/20/2014
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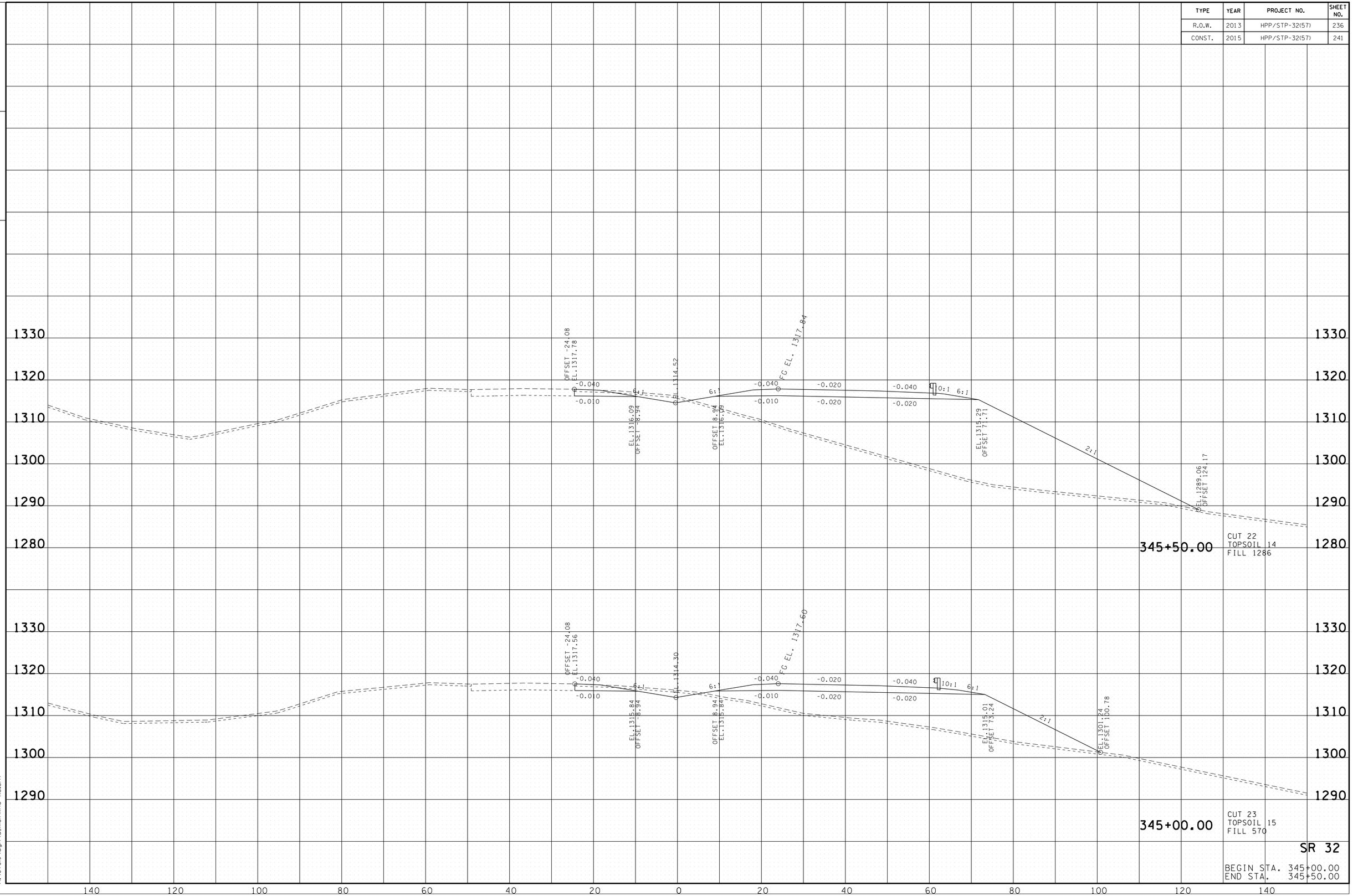
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	236
CONST.	2015	HPP/STP-32(57)	241

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 345+00.00
END STA. 345+50.00

10/20/2014
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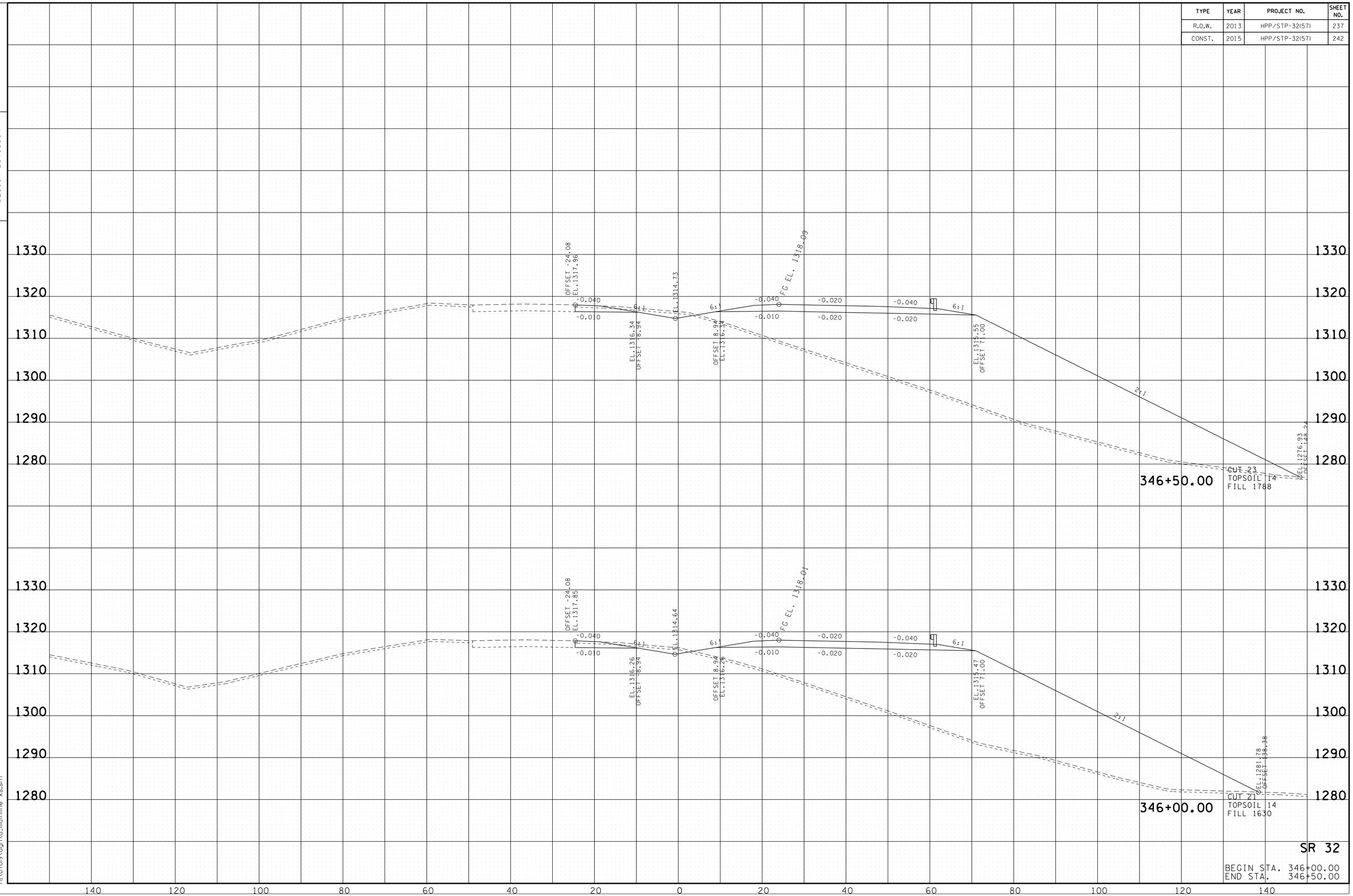
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	237
CONST.	2015	HPP/STP-32(57)	242



SR 32

BEGIN STA. 346+00.00
END STA. 346+50.00

10/20/2014
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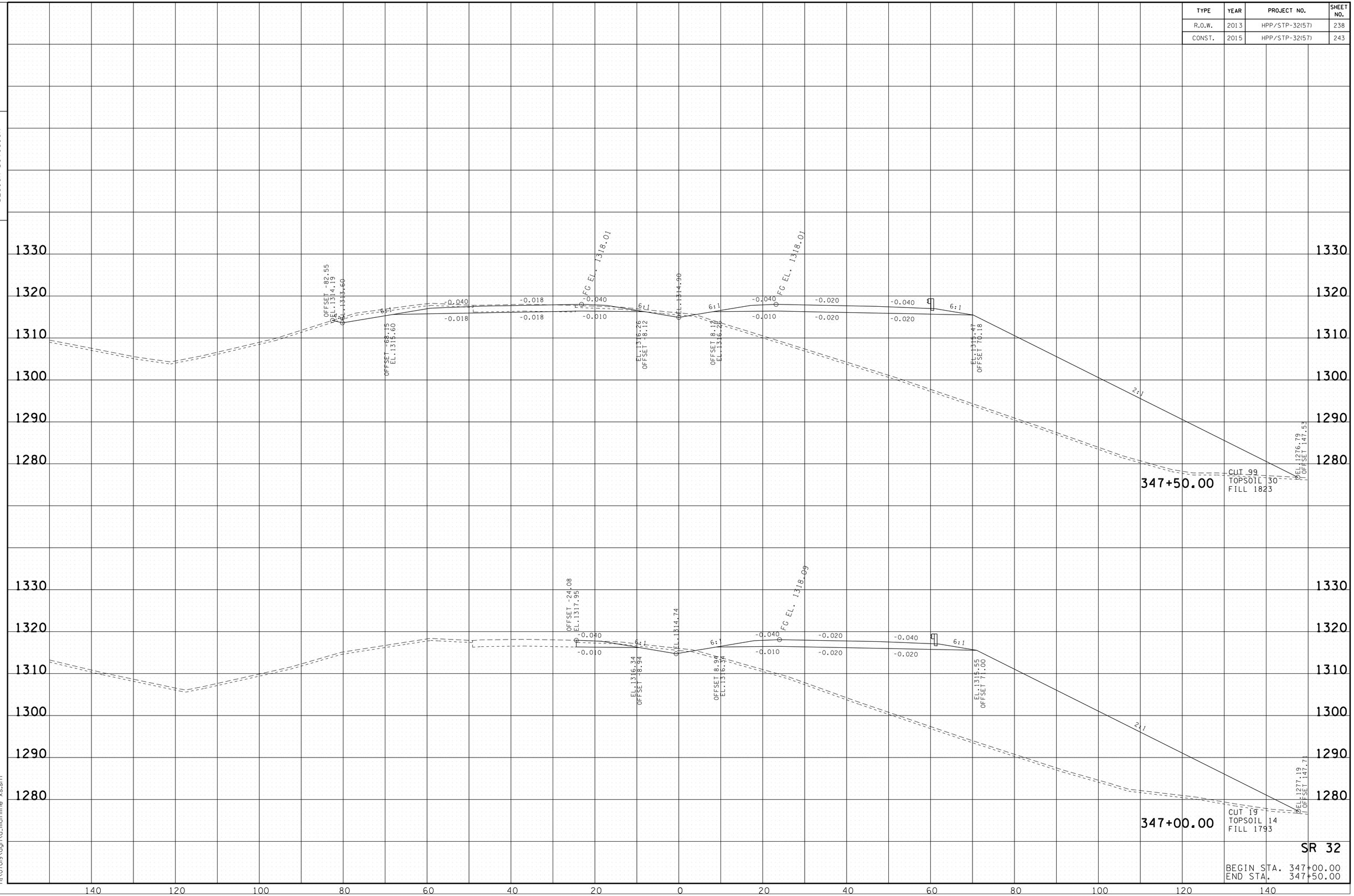
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	238
CONST.	2015	HPP/STP-32(57)	243



SR 32

BEGIN STA. 347+00.00
END STA. 347+50.00

10/20/2014
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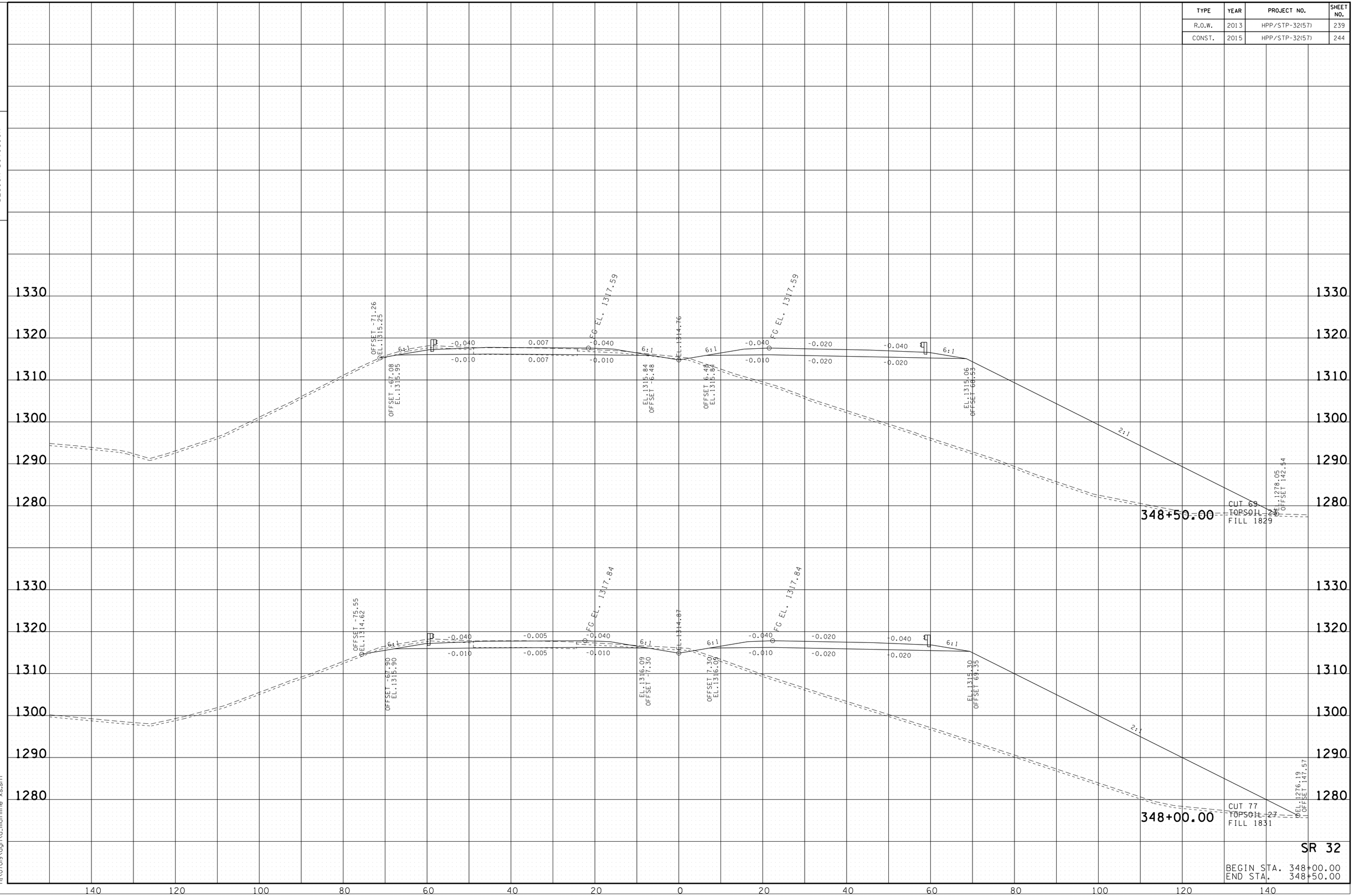
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	239
CONST.	2015	HPP/STP-32(57)	244



10/20/2014
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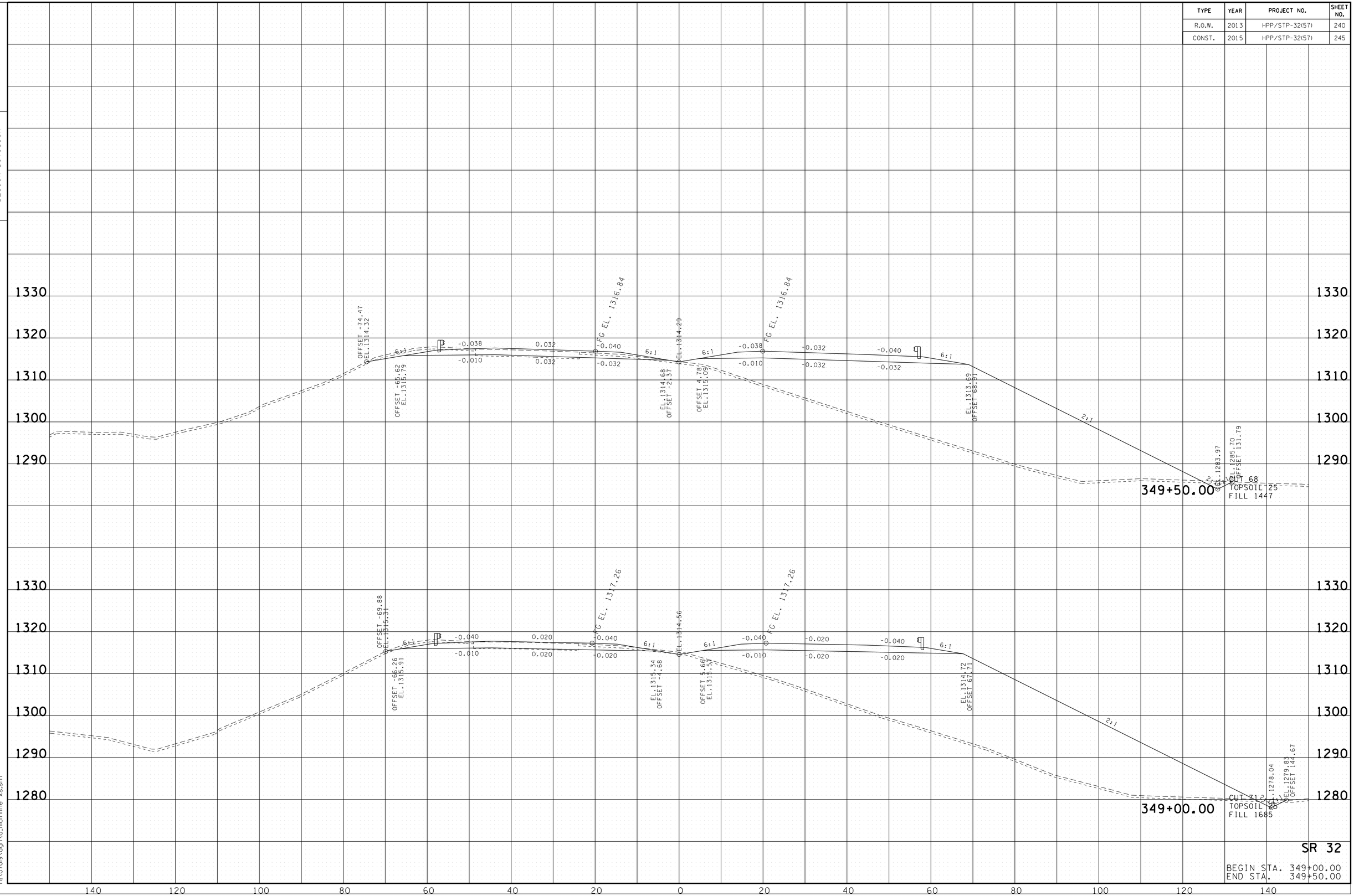
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	240
CONST.	2015	HPP/STP-32(57)	245



SR 32

BEGIN STA. 349+00.00
END STA. 349+50.00

10/20/2014
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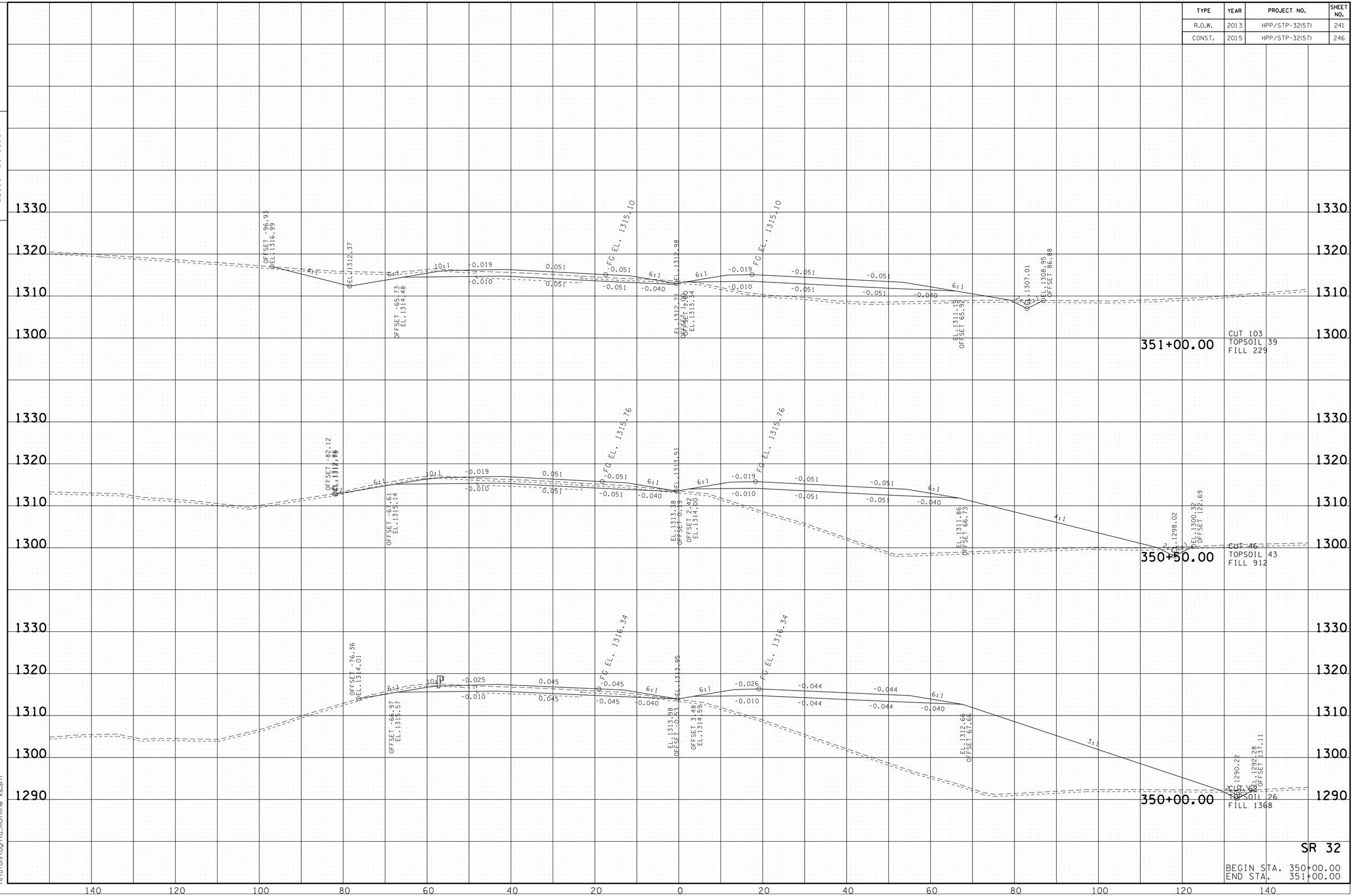
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	241
CONST.	2015	HPP/STP-32(57)	246



SR 32

BEGIN STA. 350+00.00
END STA. 351+00.00

10/20/2014
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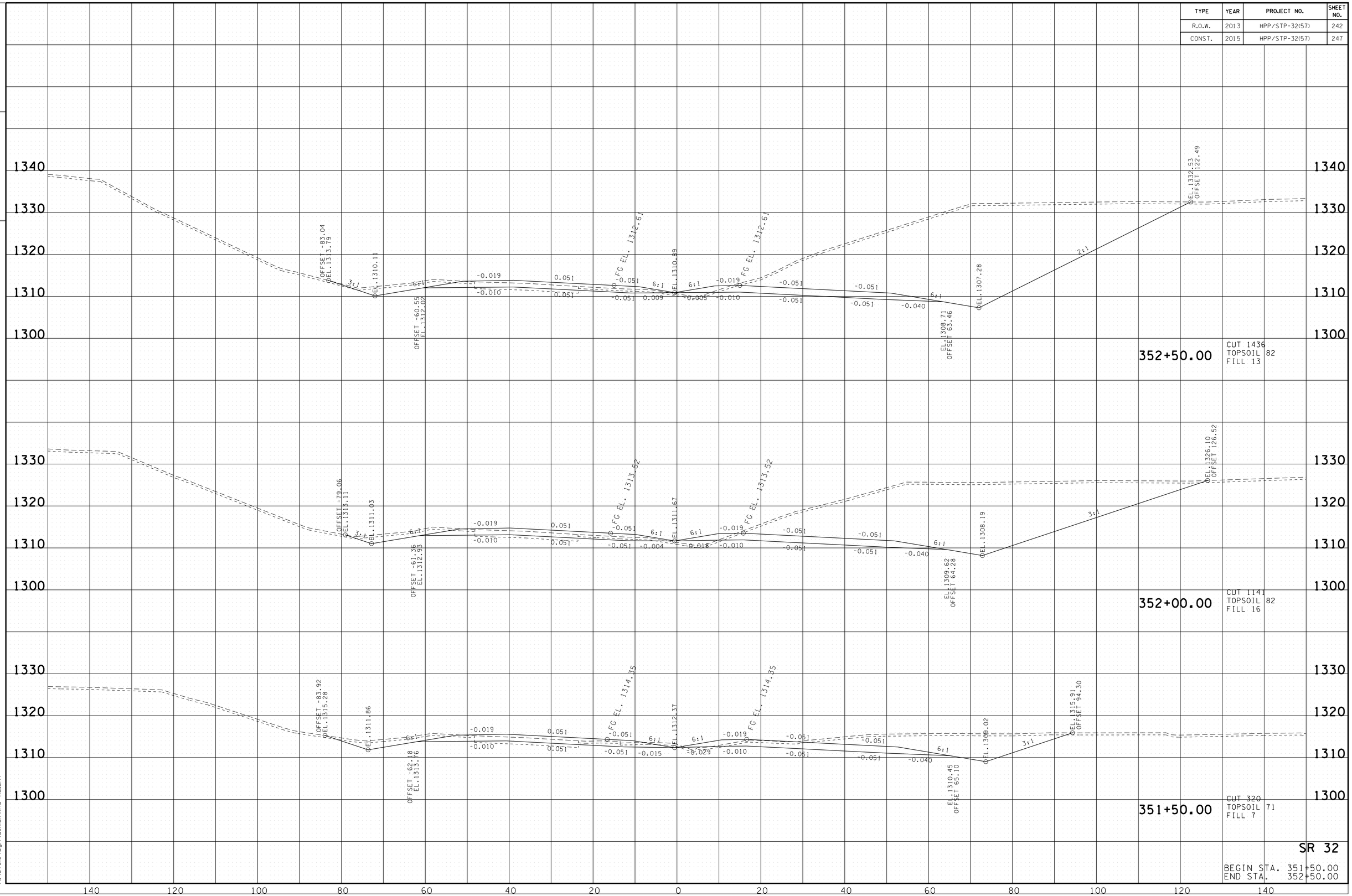
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	242
CONST.	2015	HPP/STP-32(57)	247



SR 32

BEGIN STA. 351+50.00
END STA. 352+50.00

10/20/2014
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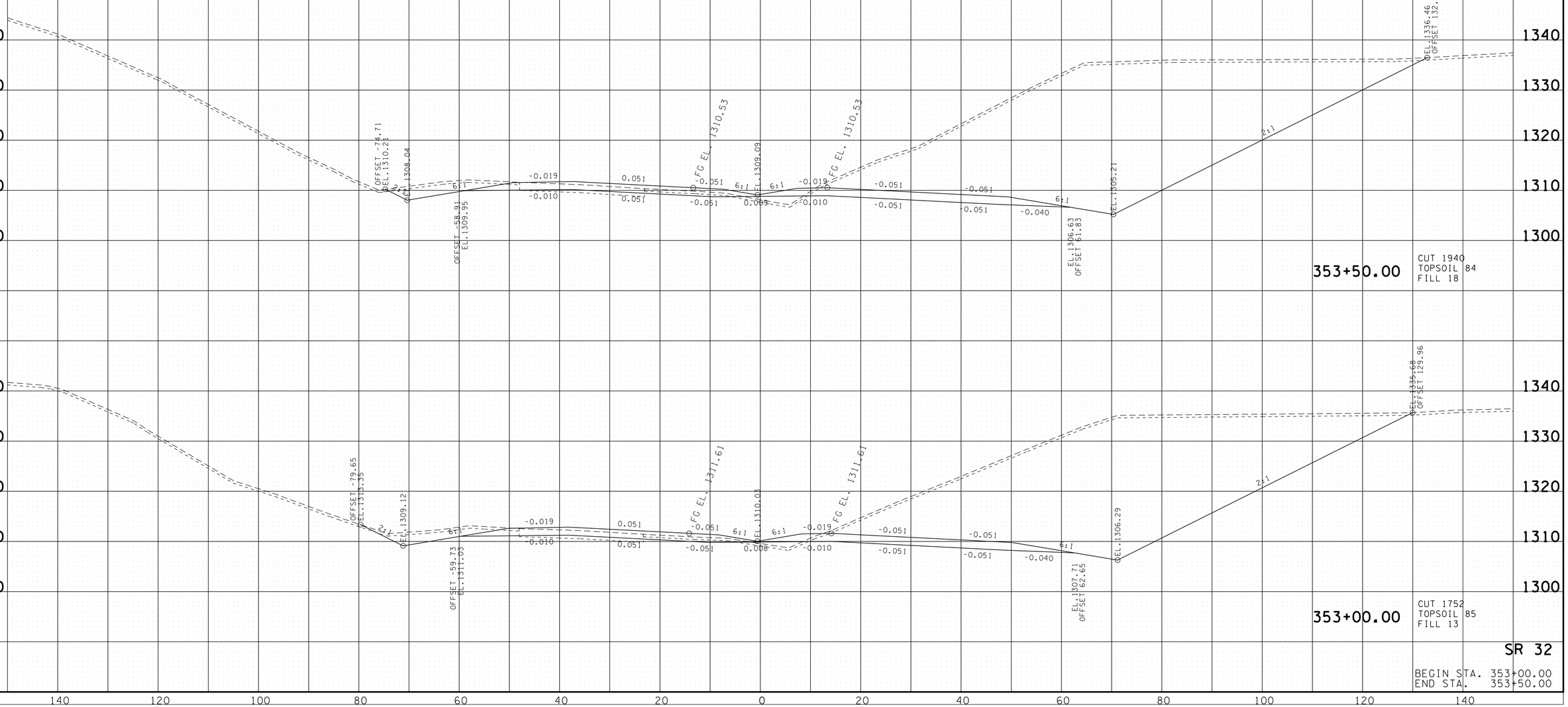
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	243
CONST.	2015	HPP/STP-32(57)	248



SR 32

BEGIN STA. 353+00.00
END STA. 353+50.00

10/20/2014
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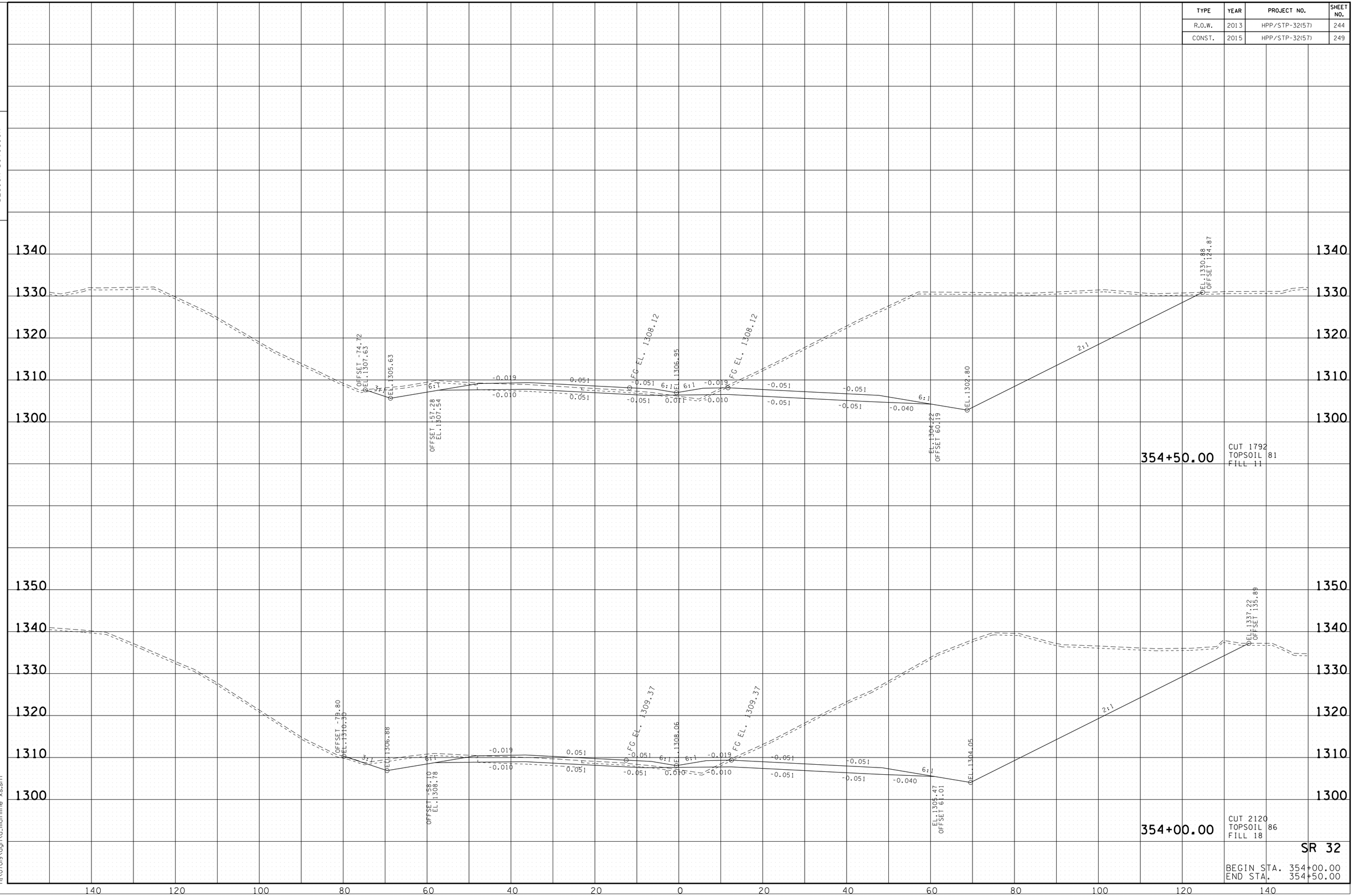
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	244
CONST.	2015	HPP/STP-32(57)	249



SR 32

BEGIN STA. 354+00.00
END STA. 354+50.00

10/20/2014
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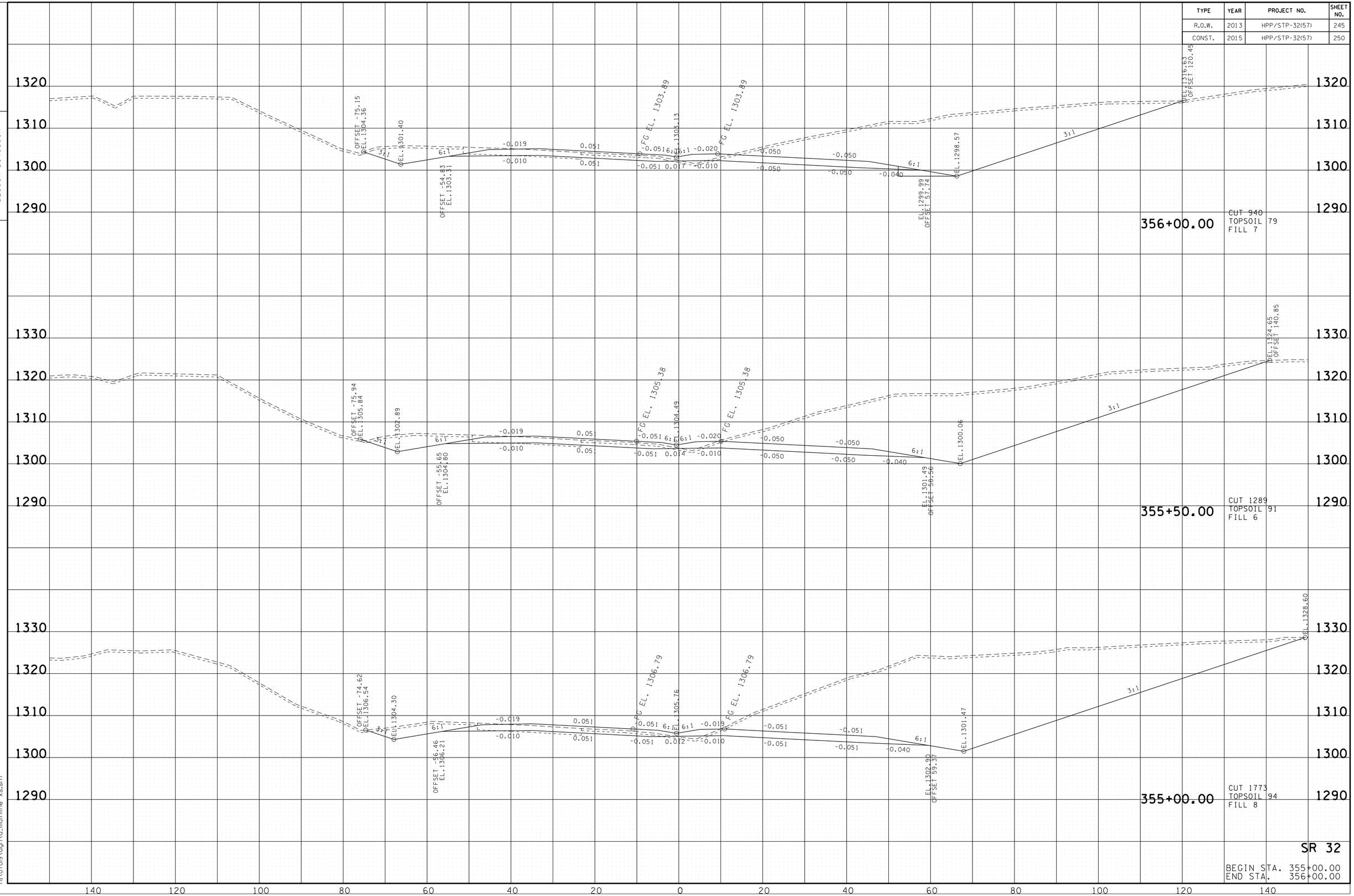
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	245
CONST.	2015	HPP/STP-32(57)	250



SR 32

BEGIN STA. 355+00.00
END STA. 356+00.00

10/20/2014
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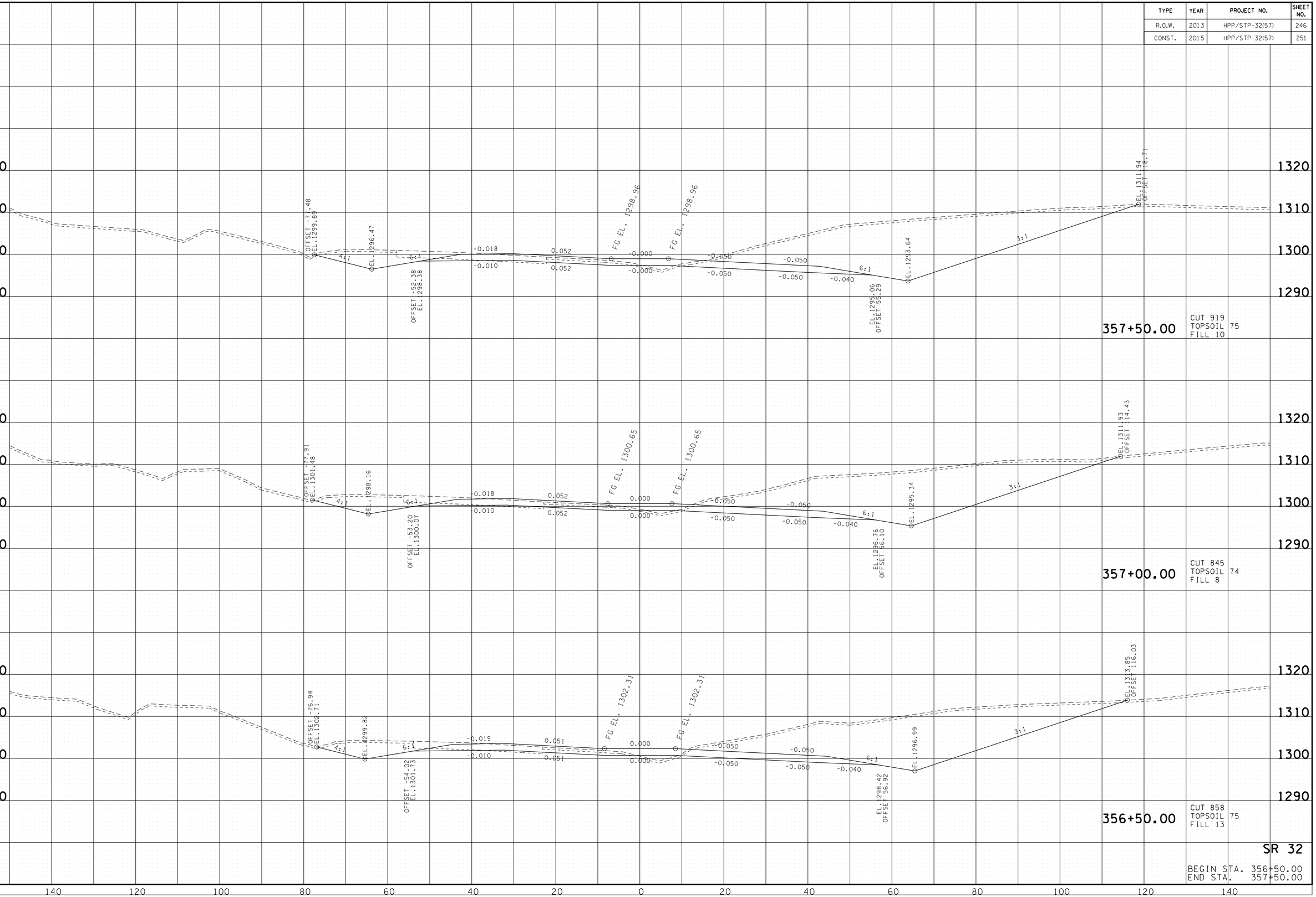
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	246
CONST.	2015	HPP/STP-32(57)	251



SR 32

BEGIN STA. 356+50.00
END STA. 357+50.00

10/20/2014
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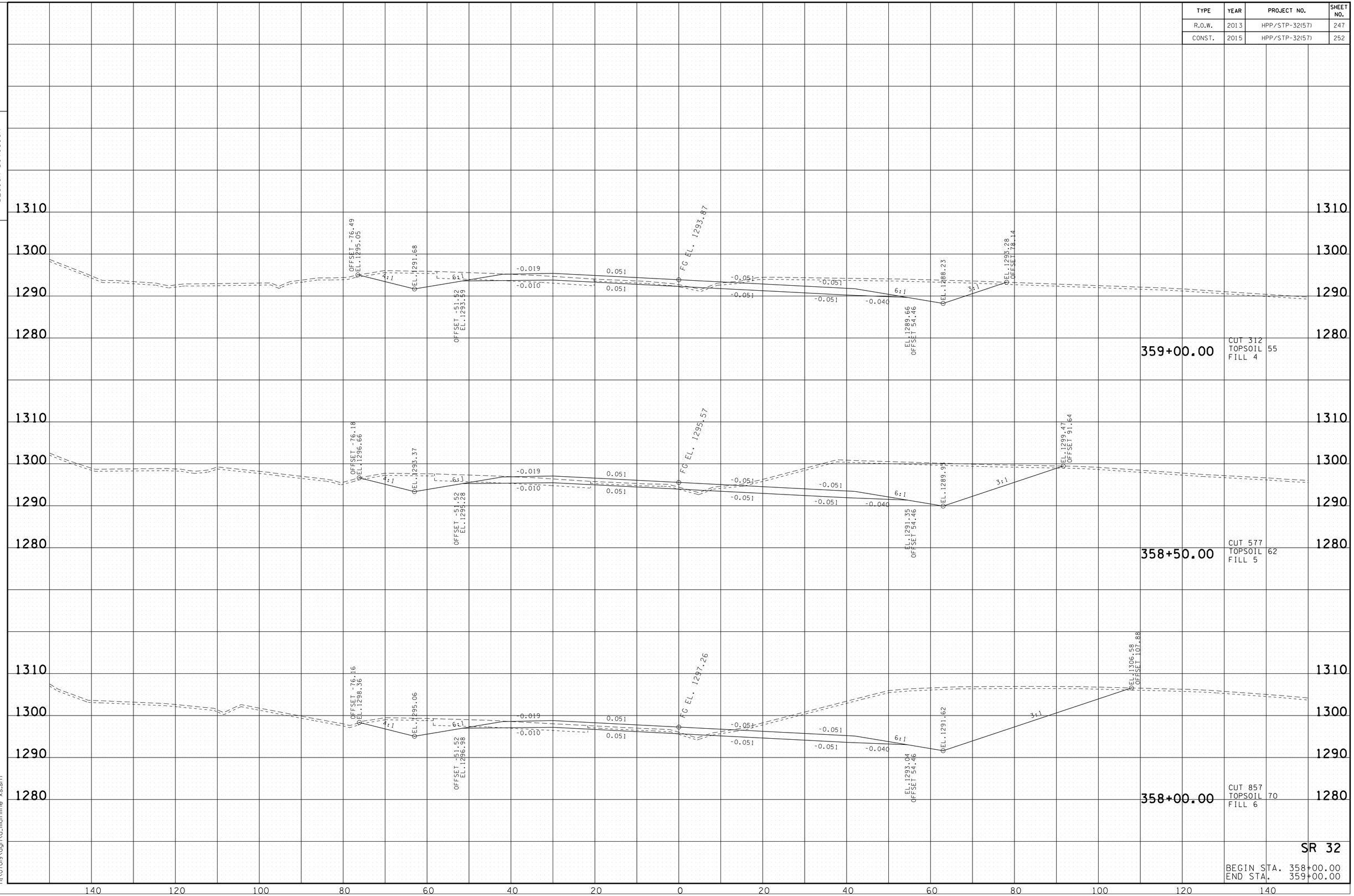
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	247
CONST.	2015	HPP/STP-32(57)	252



SR 32

BEGIN STA. 358+00.00
END STA. 359+00.00

10/20/2014
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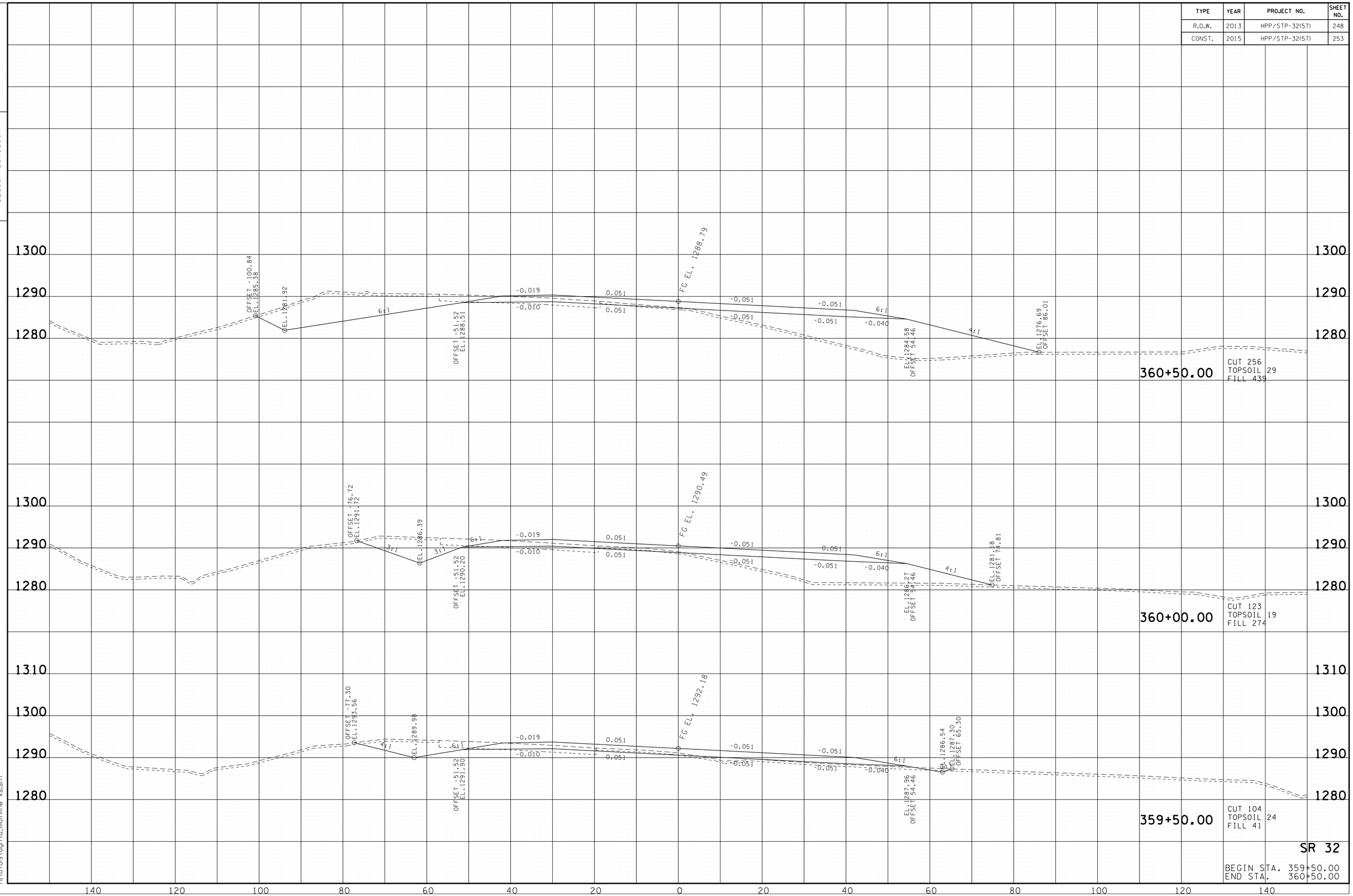
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	248
CONST.	2015	HPP/STP-32(57)	253

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 32

BEGIN STA. 359+50.00
END STA. 360+50.00

10/20/2014
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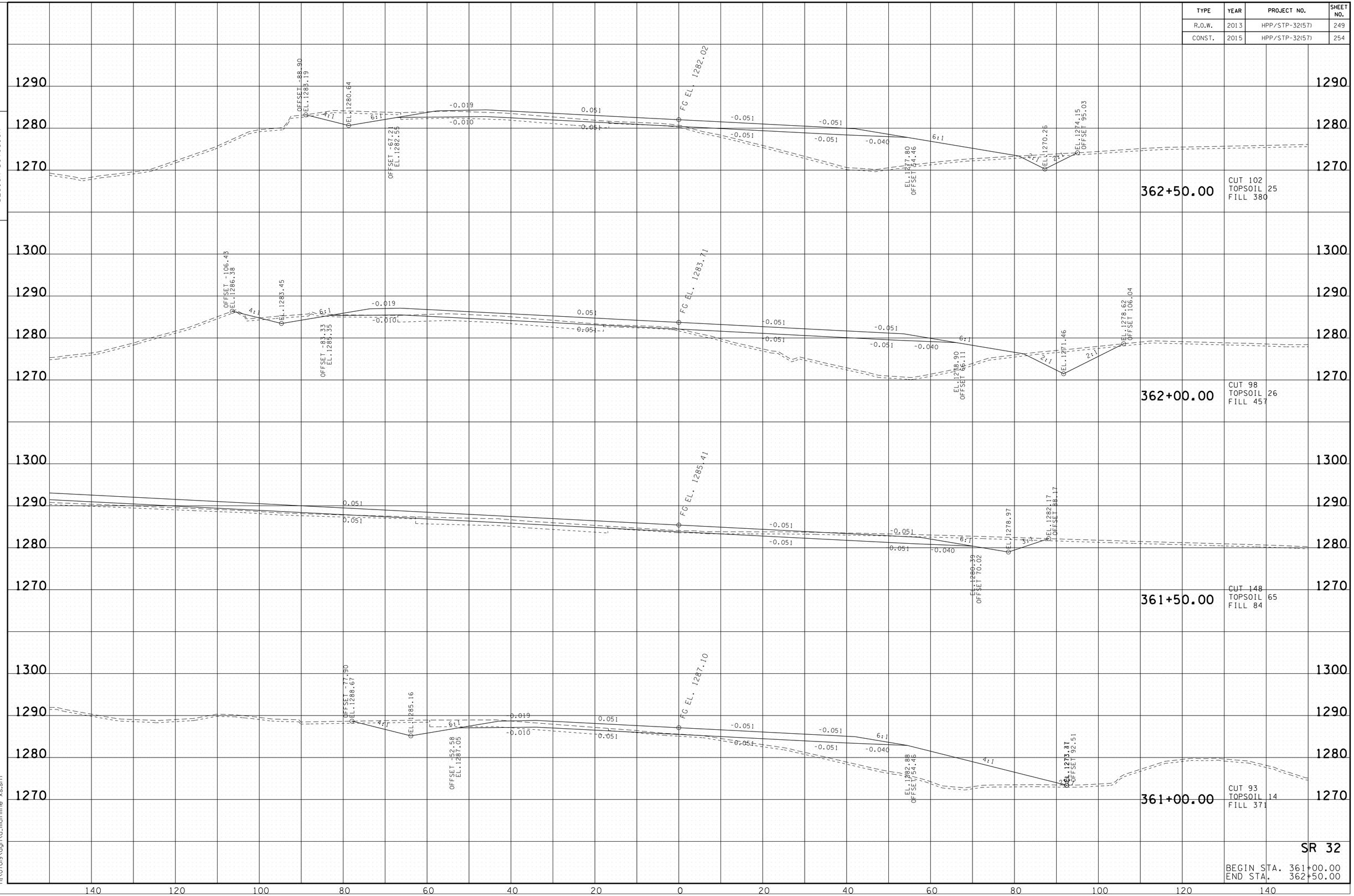
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	249
CONST.	2015	HPP/STP-32(57)	254



SR 32

BEGIN STA. 361+00.00
END STA. 362+50.00

10/20/2014
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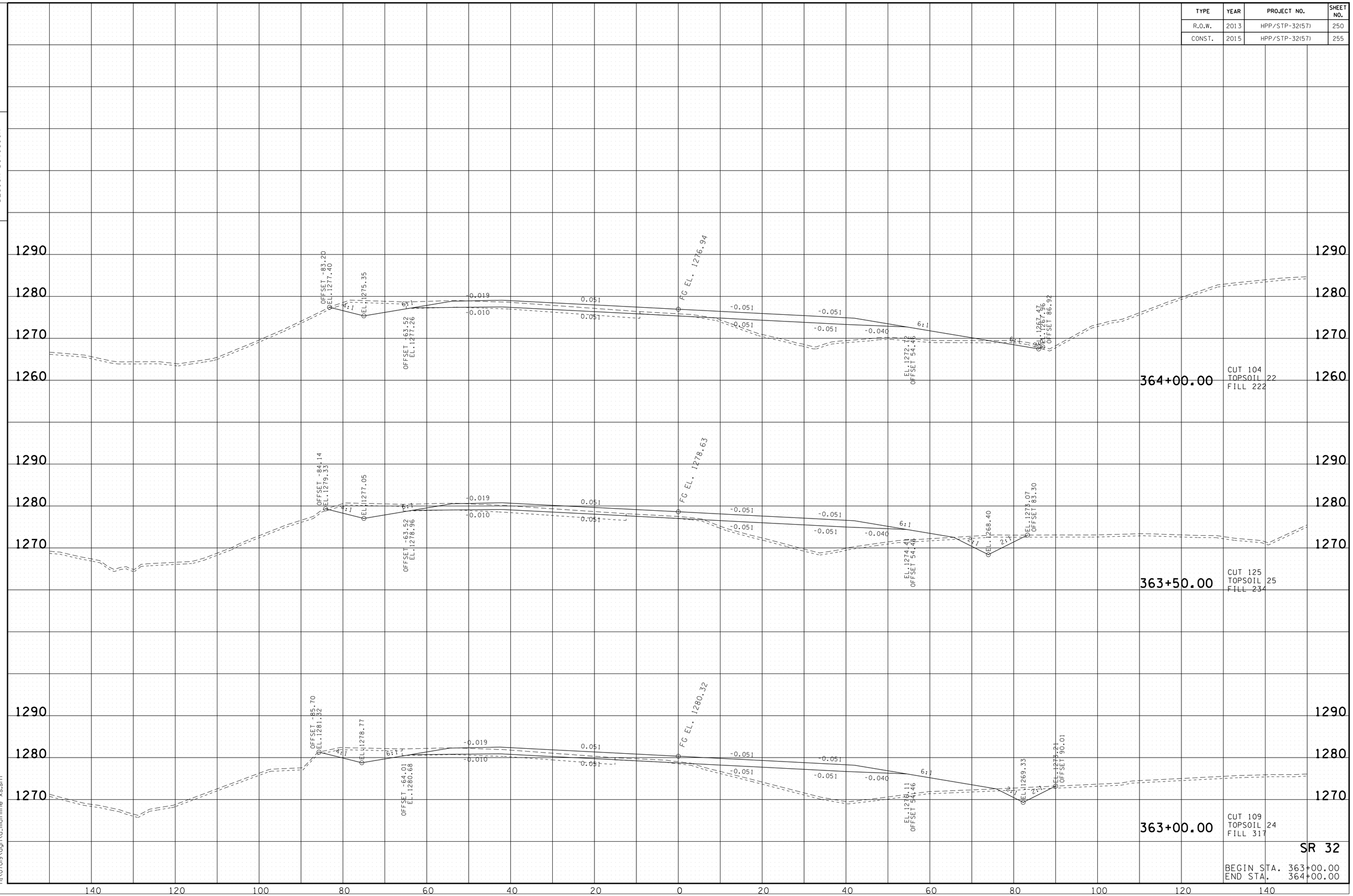
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	250
CONST.	2015	HPP/STP-32(57)	255



SR 32

BEGIN STA. 363+00.00
END STA. 364+00.00

10/20/2014
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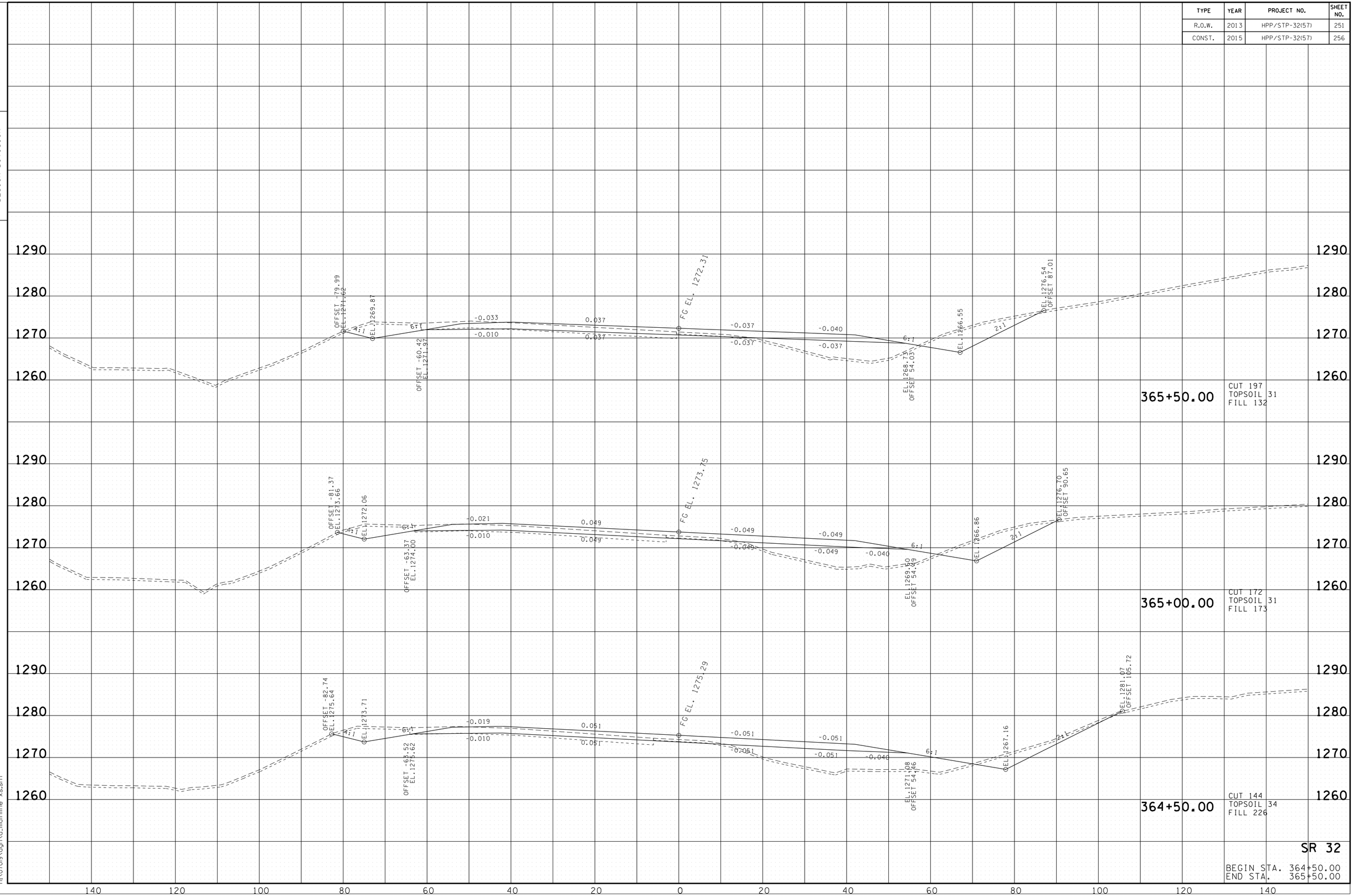
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	251
CONST.	2015	HPP/STP-32(57)	256



SR 32

BEGIN STA. 364+50.00
END STA. 365+50.00

10/20/2014
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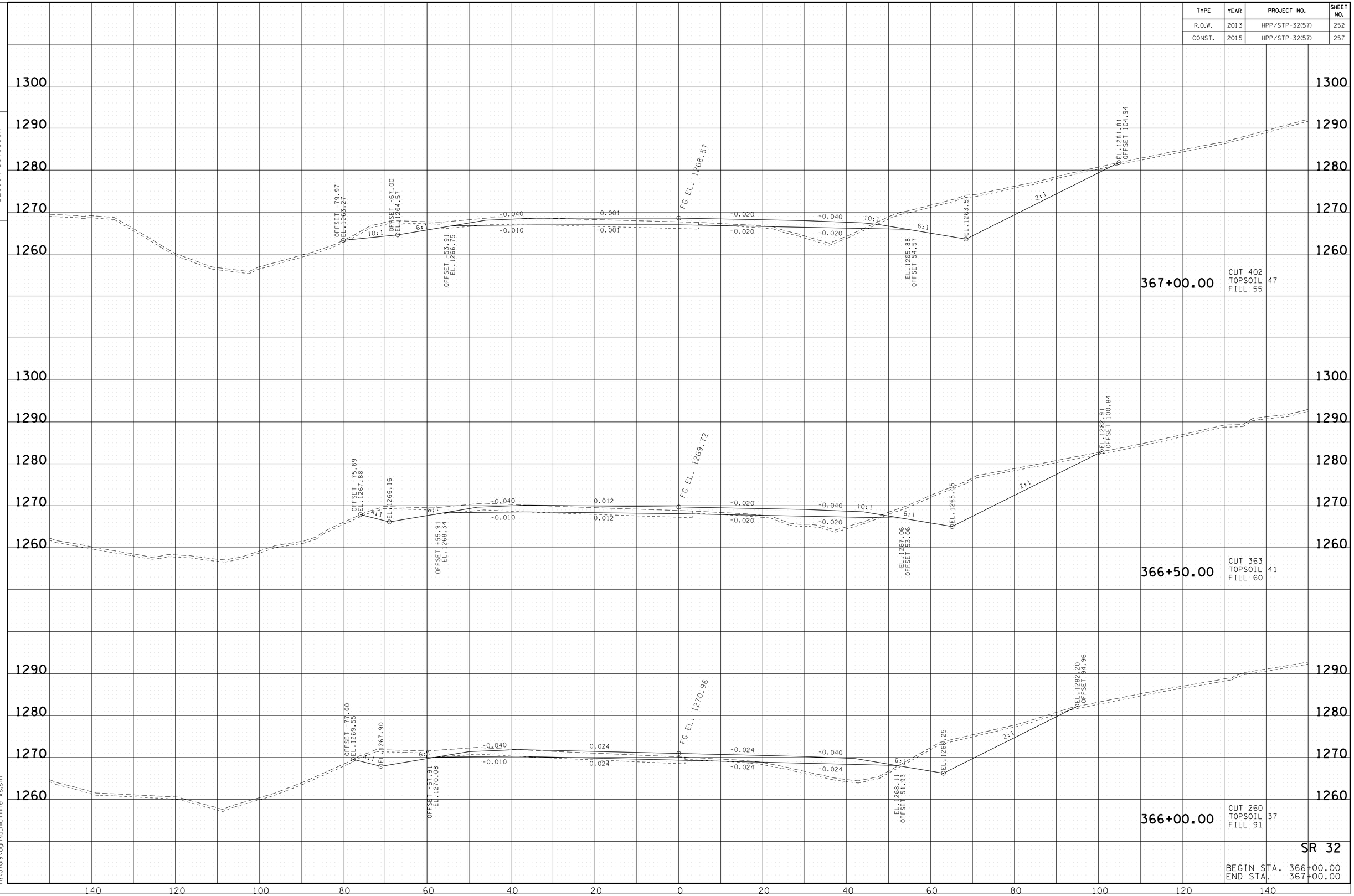
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	252
CONST.	2015	HPP/STP-32(57)	257



SR 32

BEGIN STA. 366+00.00
END STA. 367+00.00

10/20/2014
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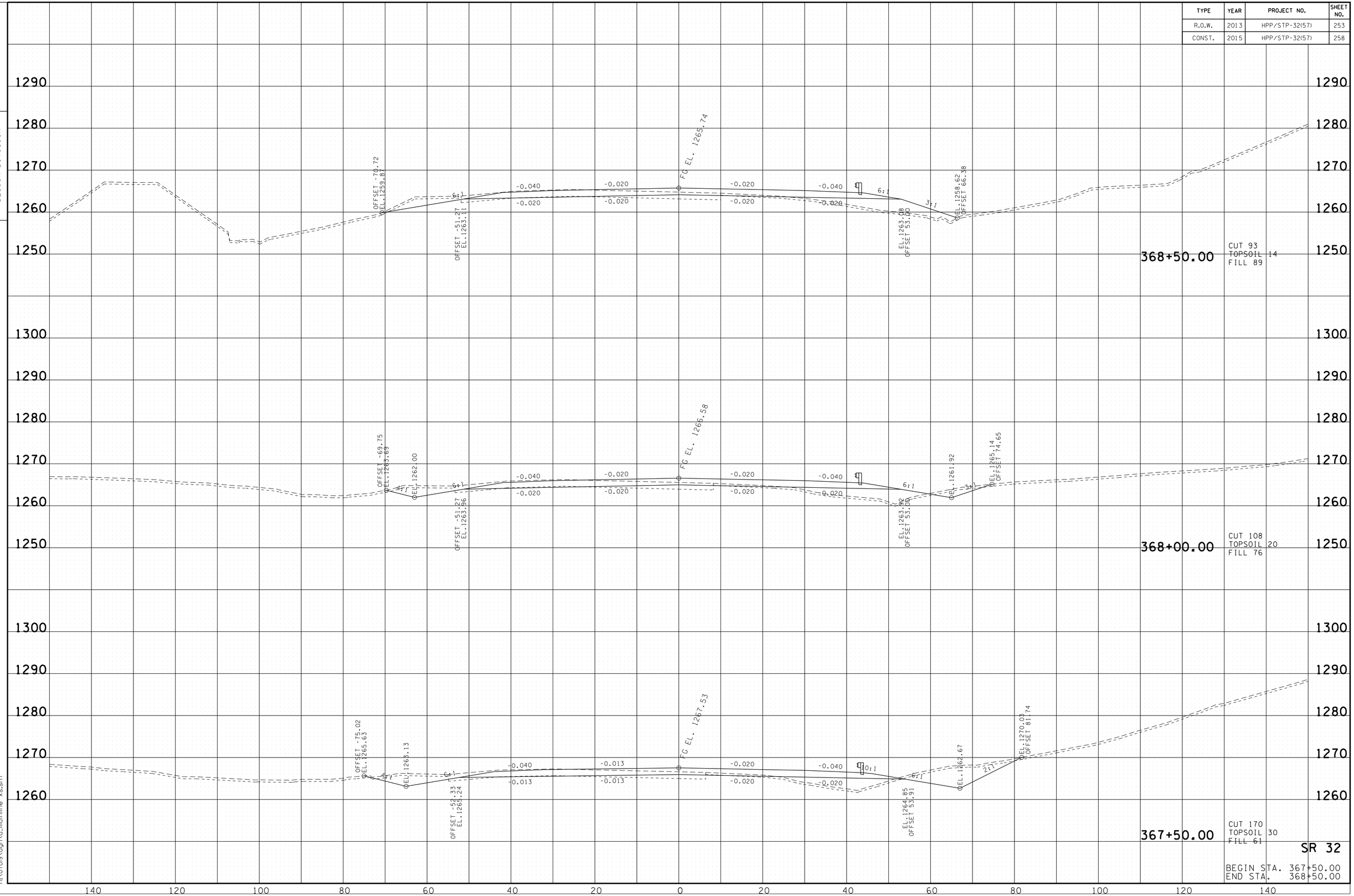
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	253
CONST.	2015	HPP/STP-32(57)	258



SR 32

BEGIN STA. 367+50.00
END STA. 368+50.00

10/20/2014
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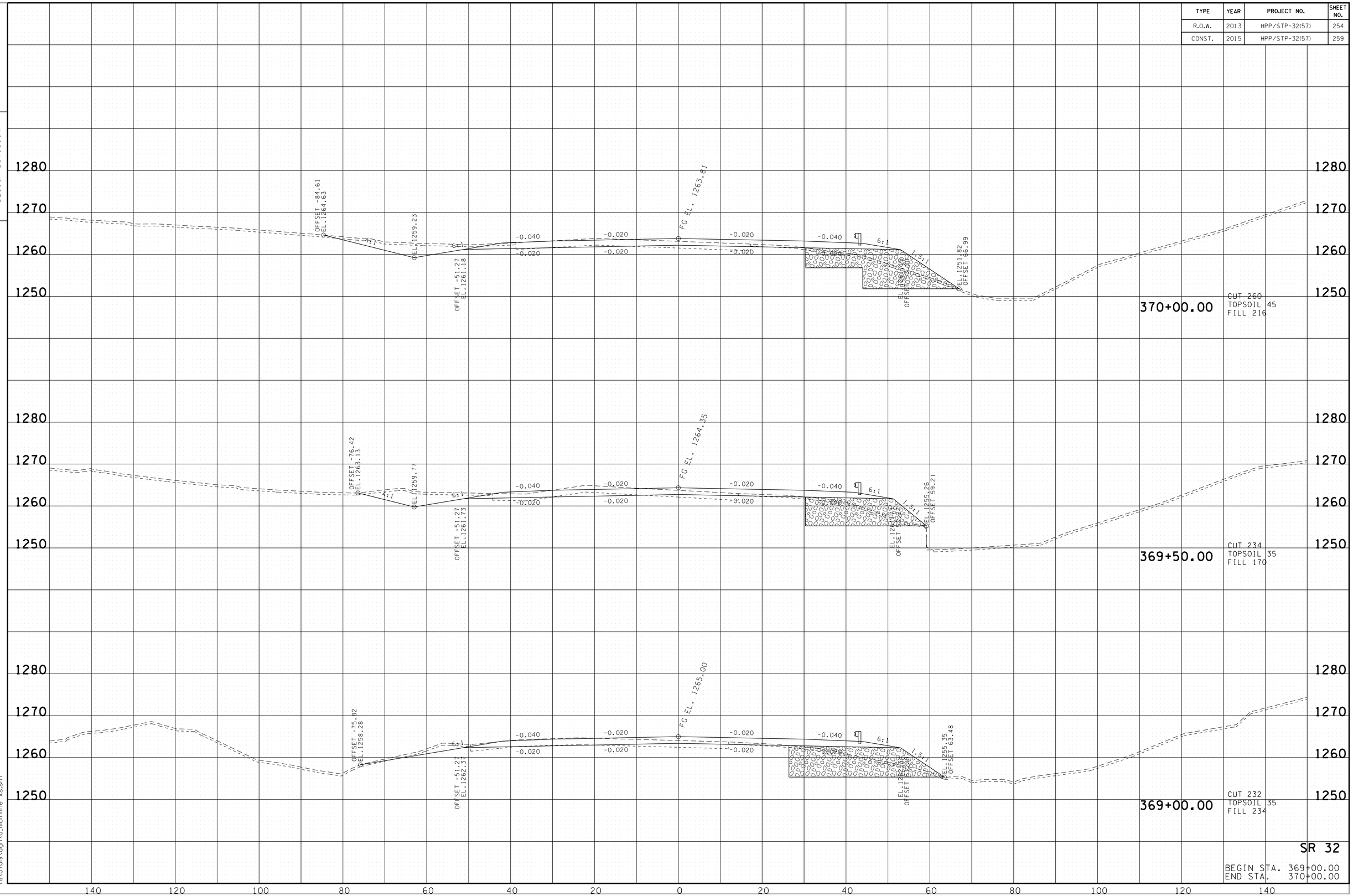
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	254
CONST.	2015	HPP/STP-32(57)	259



SR 32

BEGIN STA. 369+00.00
END STA. 370+00.00

10/20/2014
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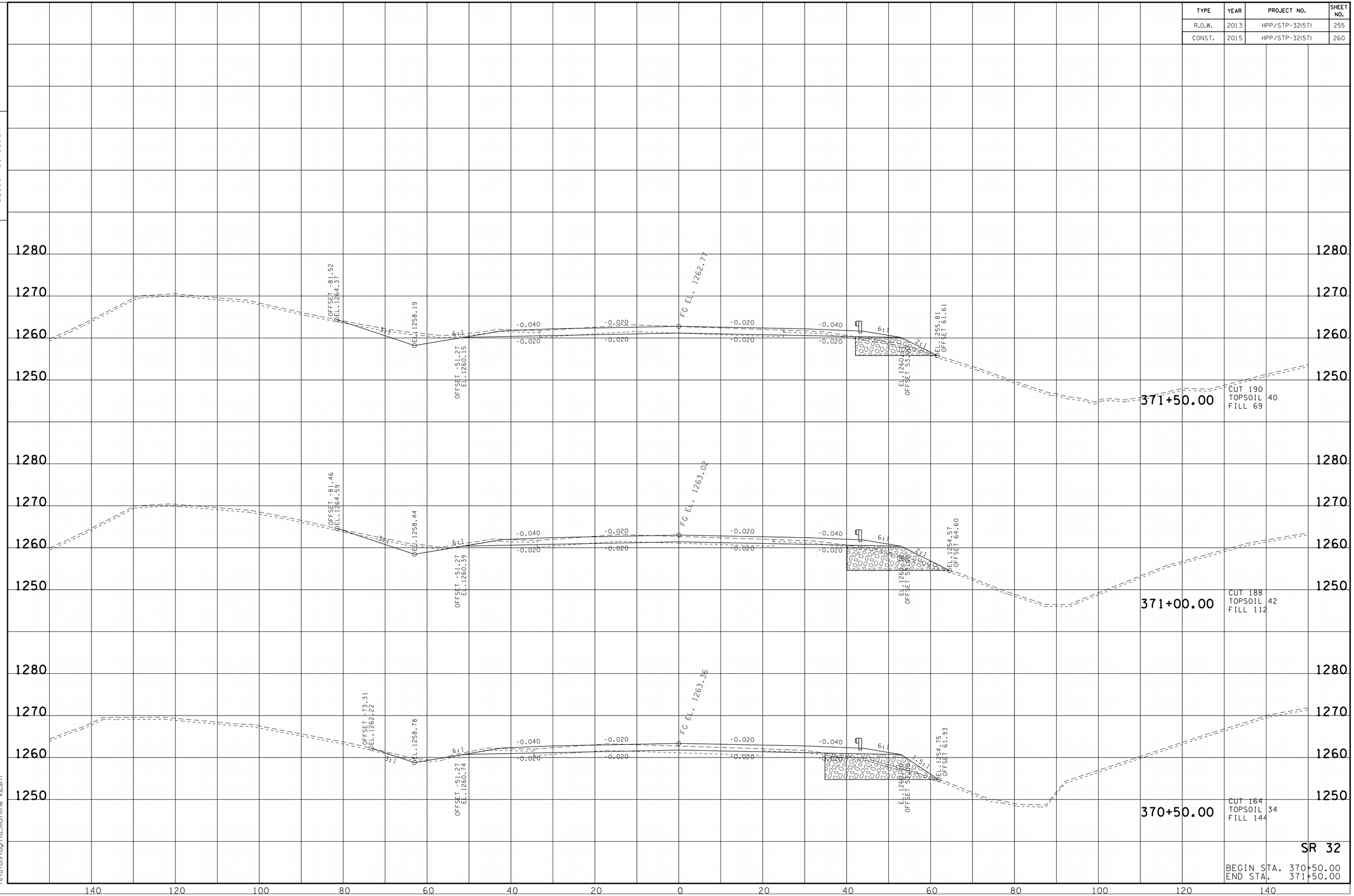
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	255
CONST.	2015	HPP/STP-32(57)	260



SR 32

BEGIN STA. 370+50.00
END STA. 371+50.00

10/20/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	256
CONST.	2015	HPP/STP-32(57)	261

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

1270
1260
1250

373+00.00

1280
1270
1260
1250

OFFSET -65.04
EL. 1258.51
OFFSET -58.00
EL. 1258.00

OFFSET -51.27
EL. 1259.96

FG EL. 1262.58

-0.040
-0.020
-0.020
-0.020
-0.040
-0.020

6:1
6:1

EL. 1258.81
OFFSET 58.12

EL. 1259.96
OFFSET 51.27

372+50.00

CUT 152
TOPSOIL 30
FILL 2

1280
1270
1260
1250

OFFSET -78.00
EL. 1265.05

OFFSET -51.27
EL. 1260.00

EL. 1258.05

FG EL. 1262.63

-0.040
-0.020
-0.020
-0.020
-0.040
-0.020

3:1
6:1
6:1

EL. 1260.00
OFFSET 51.27

EL. 1258.89
OFFSET 53.50

372+00.00

CUT 184
TOPSOIL 31
FILL 8

SR 32

BEGIN STA. 372+00.00
END STA. 373+00.00

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

10/20/2014
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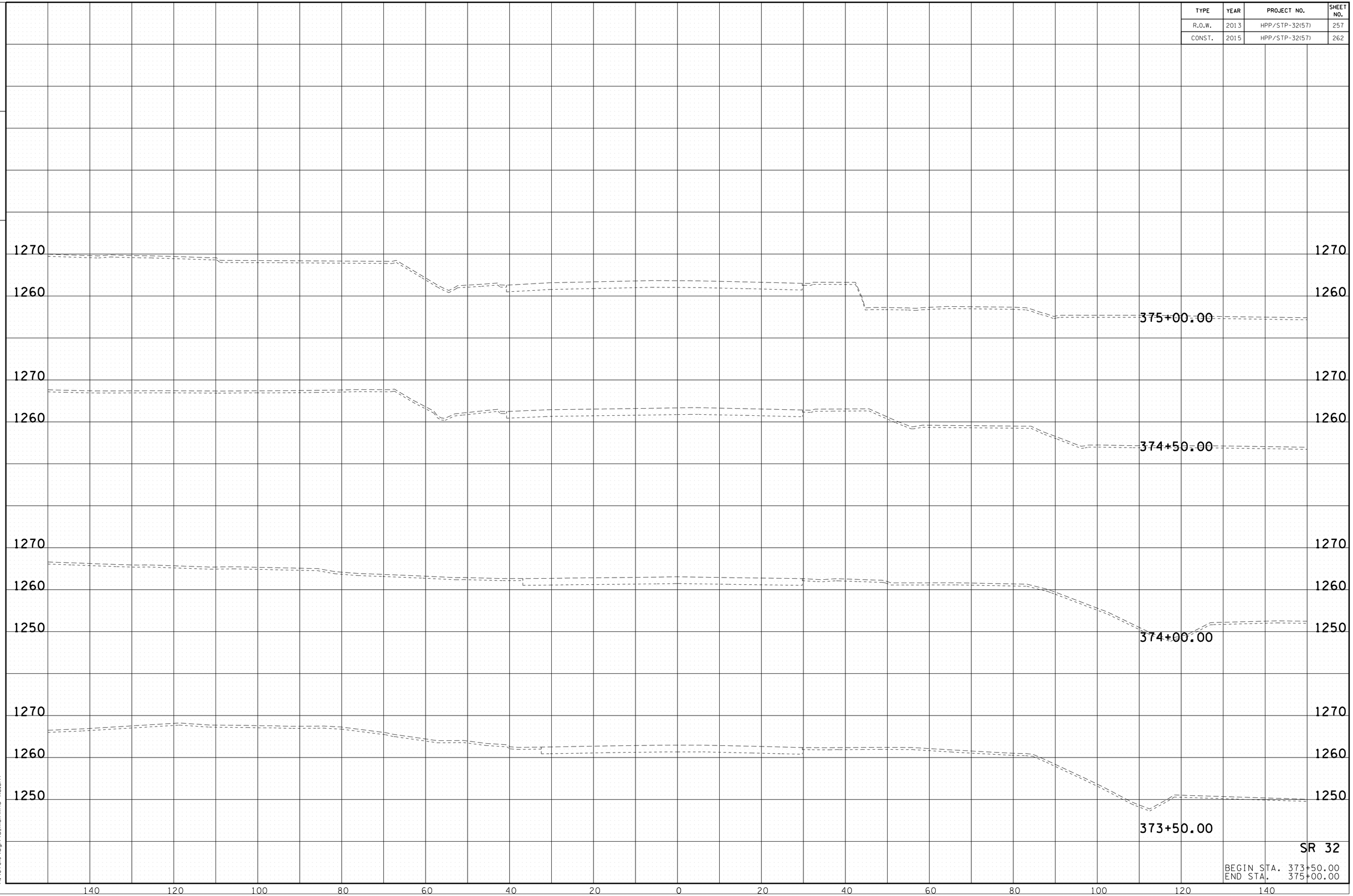
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	257
CONST.	2015	HPP/STP-32(57)	262



SR 32

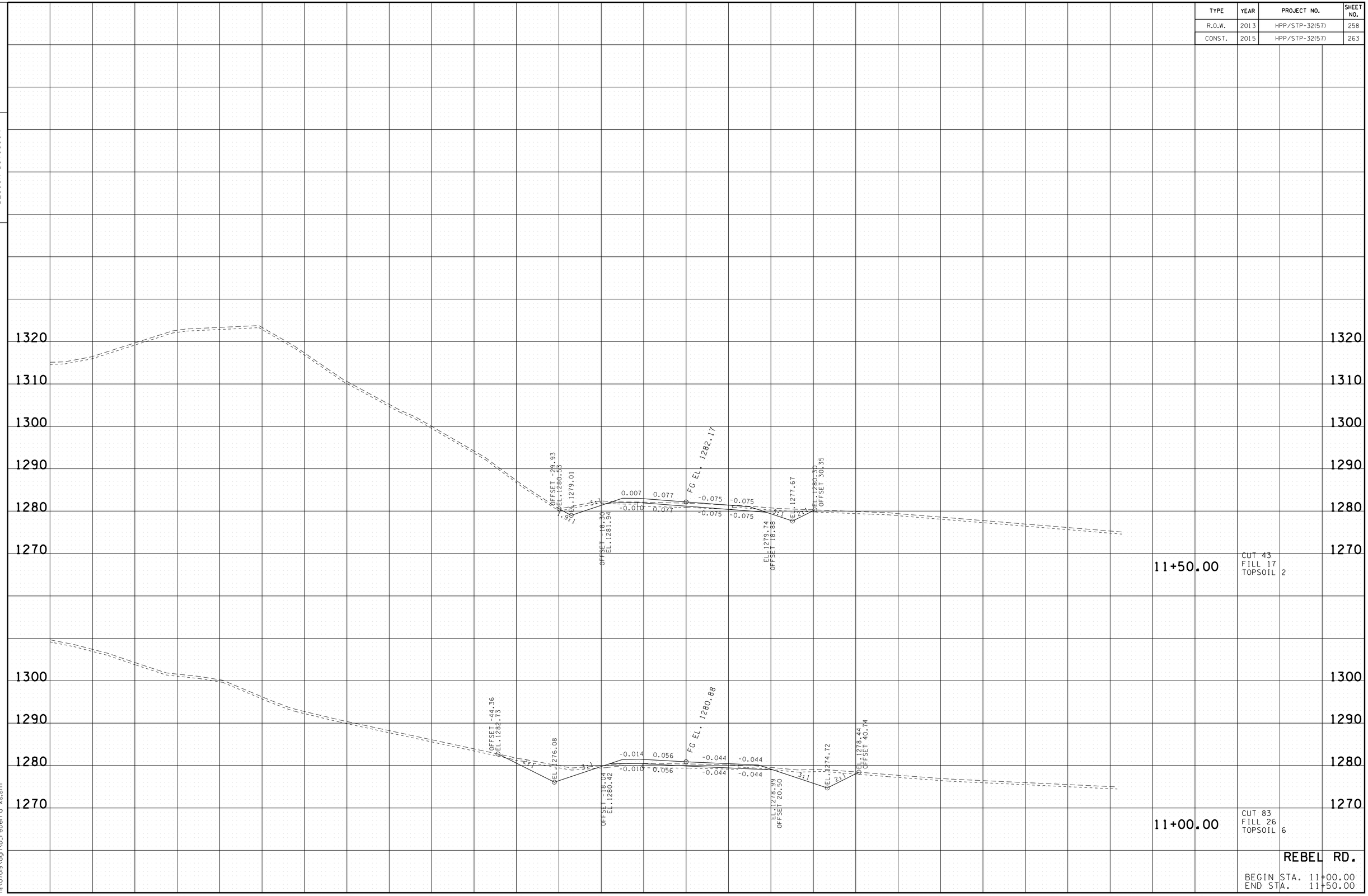
BEGIN STA. 373+50.00
END STA. 375+00.00

10/20/2014
h:\07019\dgn\a_mainline xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	258
CONST.	2015	HPP/STP-32(57)	263



REBEL RD.

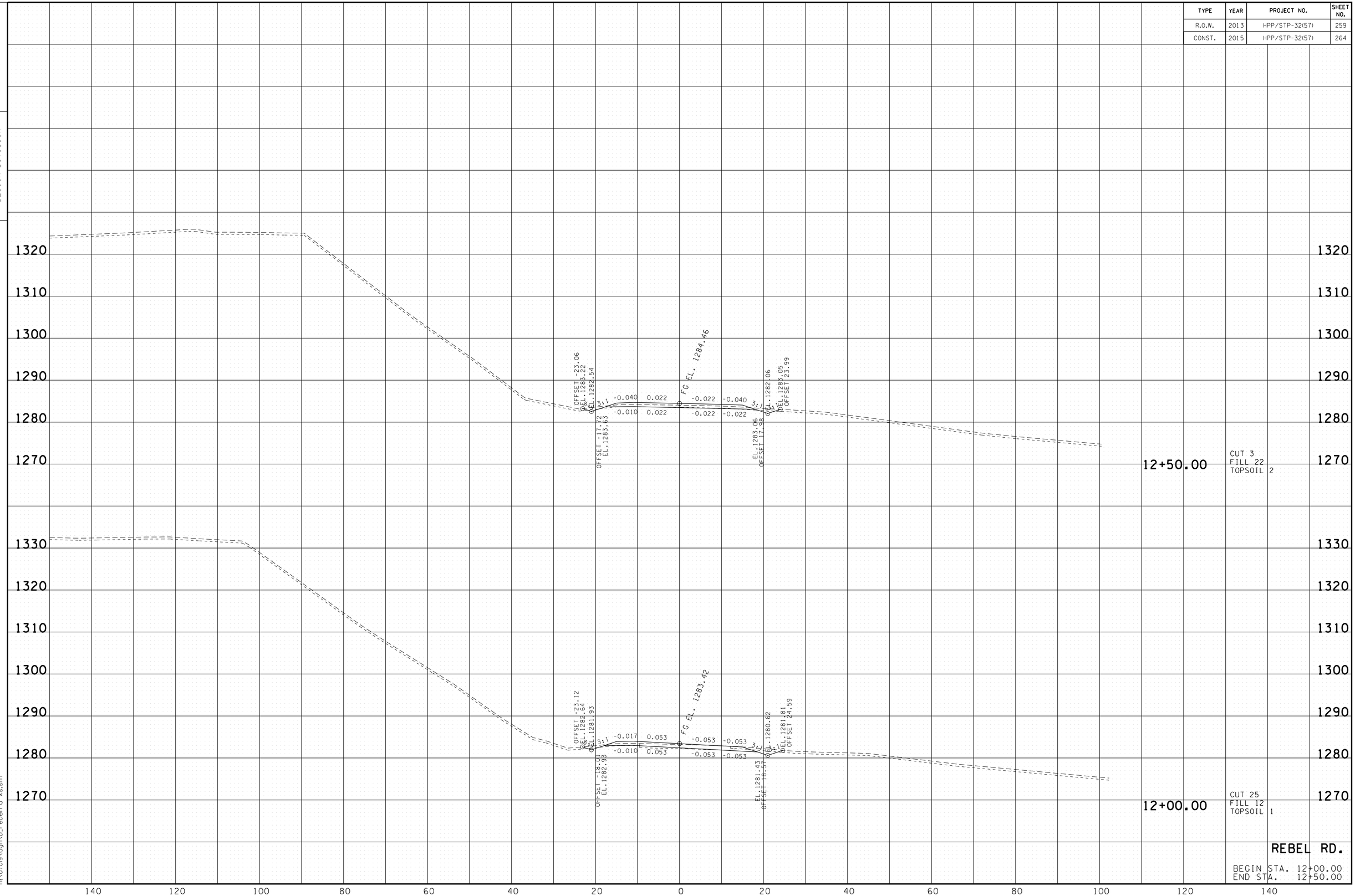
BEGIN STA. 11+00.00
END STA. 11+50.00

10/20/2014
h:\07019\dgn\b_rebelrd xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	259
CONST.	2015	HPP/STP-32(57)	264



REBEL RD.

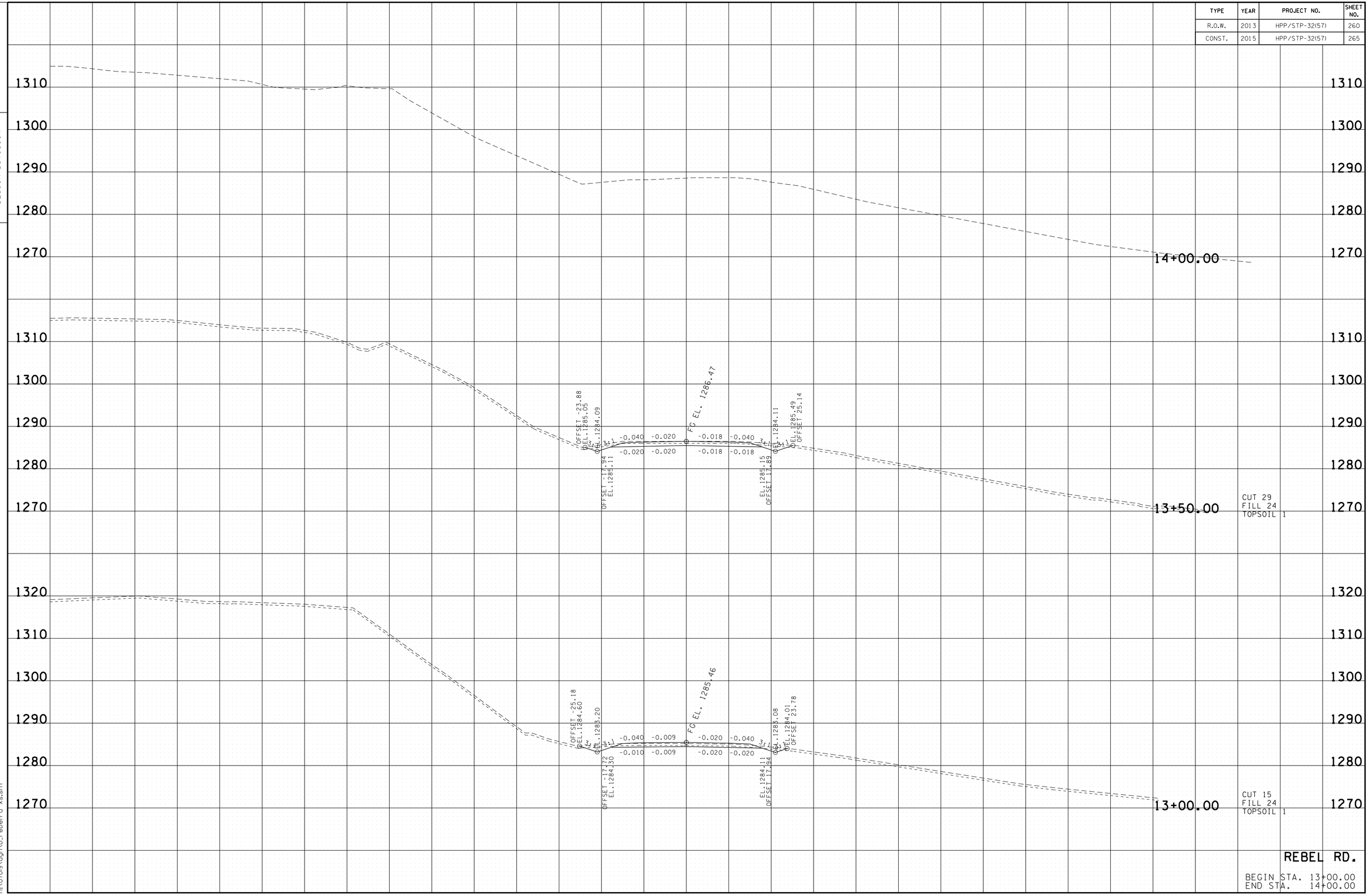
BEGIN STA. 12+00.00
END STA. 12+50.00

10/20/2014
h:\07019\dgn\b_rebelrd xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	260
CONST.	2015	HPP/STP-32(57)	265



REBEL RD.

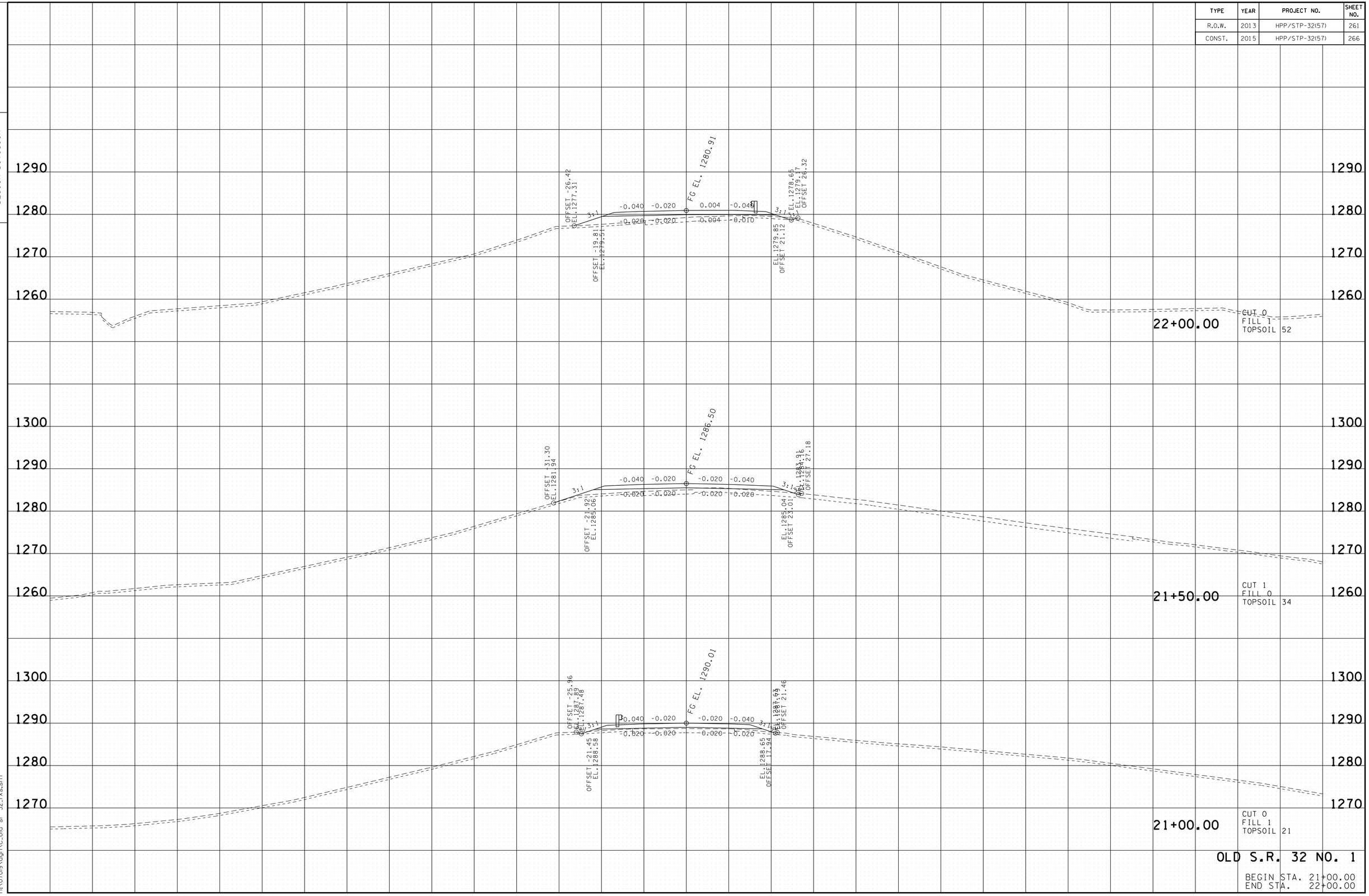
BEGIN STA. 13+00.00
END STA. 14+00.00

10/20/2014
h:\07019\dgn\b_rebelrd xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	261
CONST.	2015	HPP/STP-32(57)	266



OLD S.R. 32 NO. 1

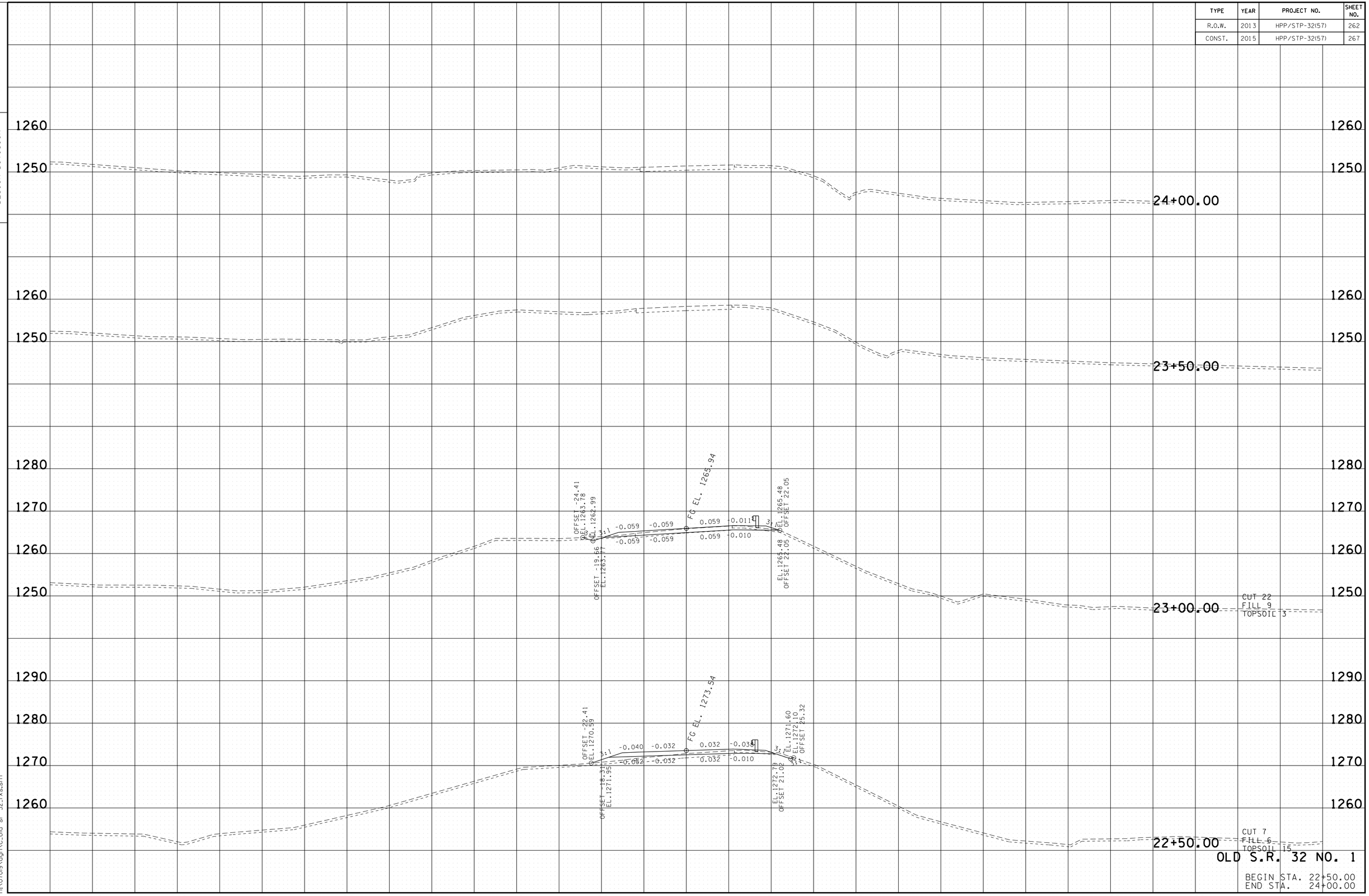
BEGIN STA. 21+00.00
END STA. 22+00.00

10/20/2014
h:\07019\dgn\c_old sr 32_xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	262
CONST.	2015	HPP/STP-32(57)	267



10/20/2014
h:\07019\dgn\c_old sr 32_xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	263
CONST.	2015	HPP/STP-32(57)	268

25+50.00

1250

1250

25+00.00

1250

1250

24+50.00

OLD S.R. 32 NO. 1

BEGIN STA. 24+50.00
END STA. 25+50.00

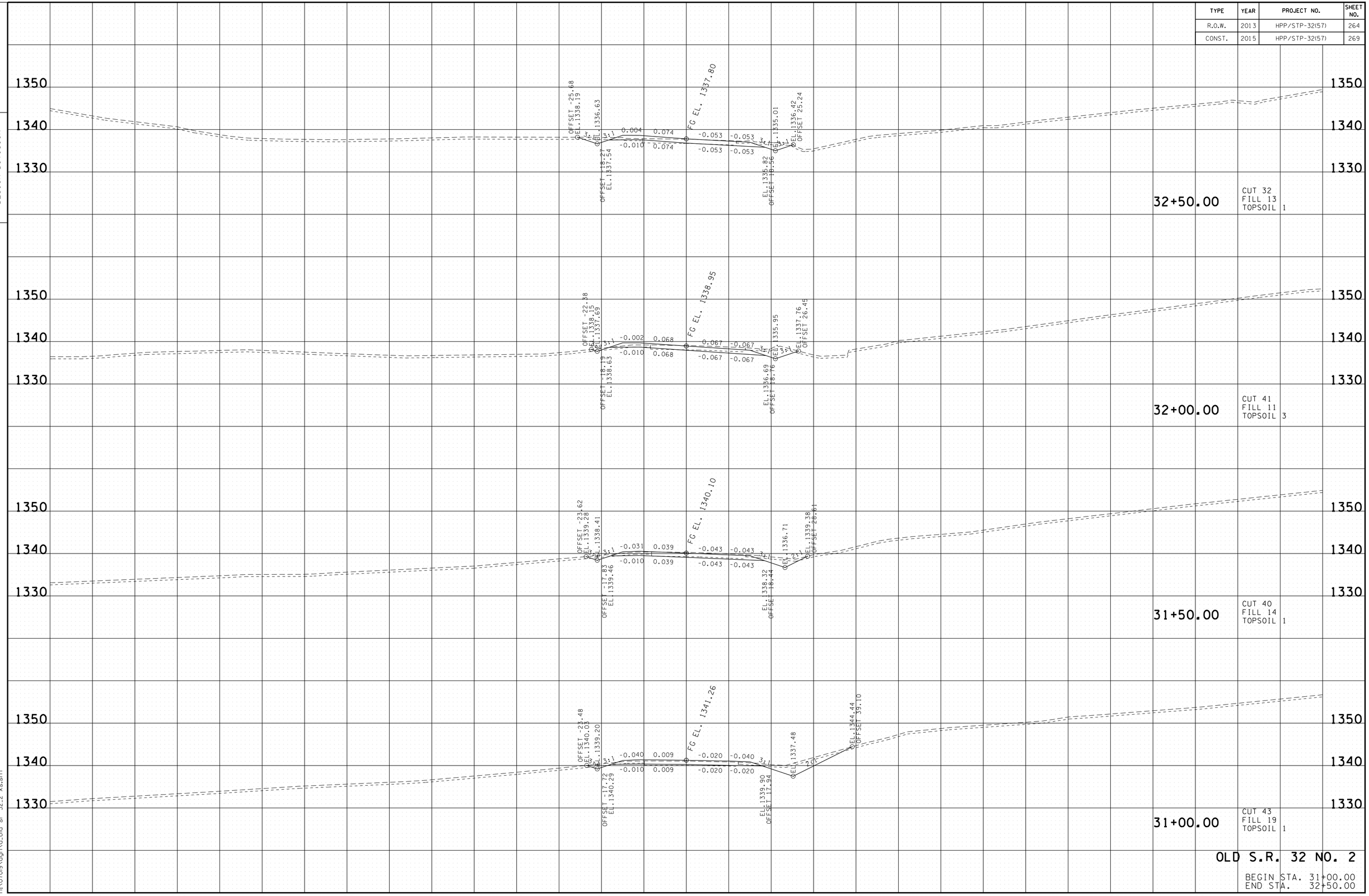
140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

10/20/2014
h:\07019\dgn\c_old sr 32_xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	264
CONST.	2015	HPP/STP-32(57)	269



OLD S.R. 32 NO. 2

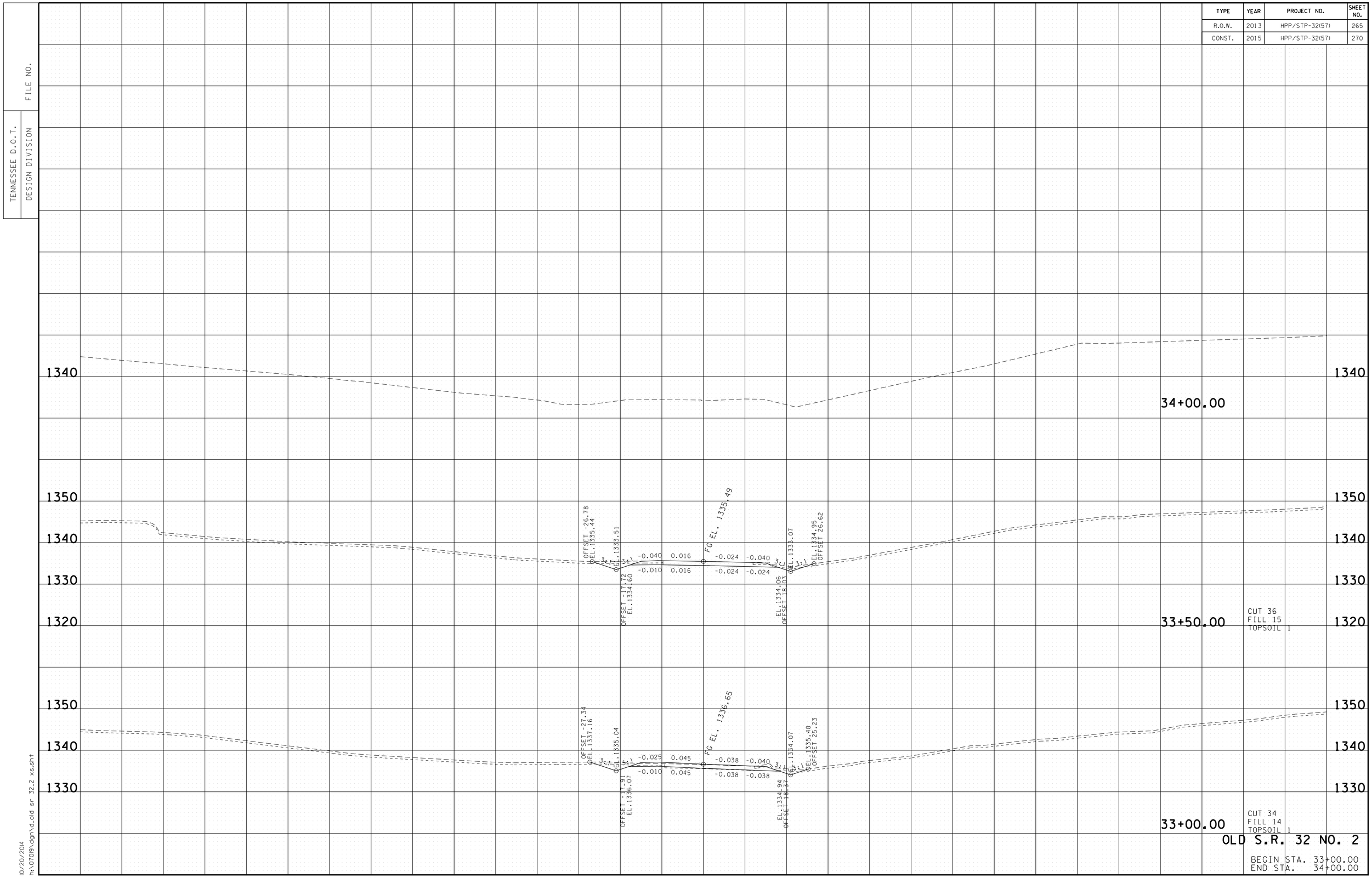
BEGIN STA. 31+00.00
END STA. 32+50.00

10/20/2014
h:\07019\dgn\d_old sr 32_2 xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	265
CONST.	2015	HPP/STP-32(57)	270

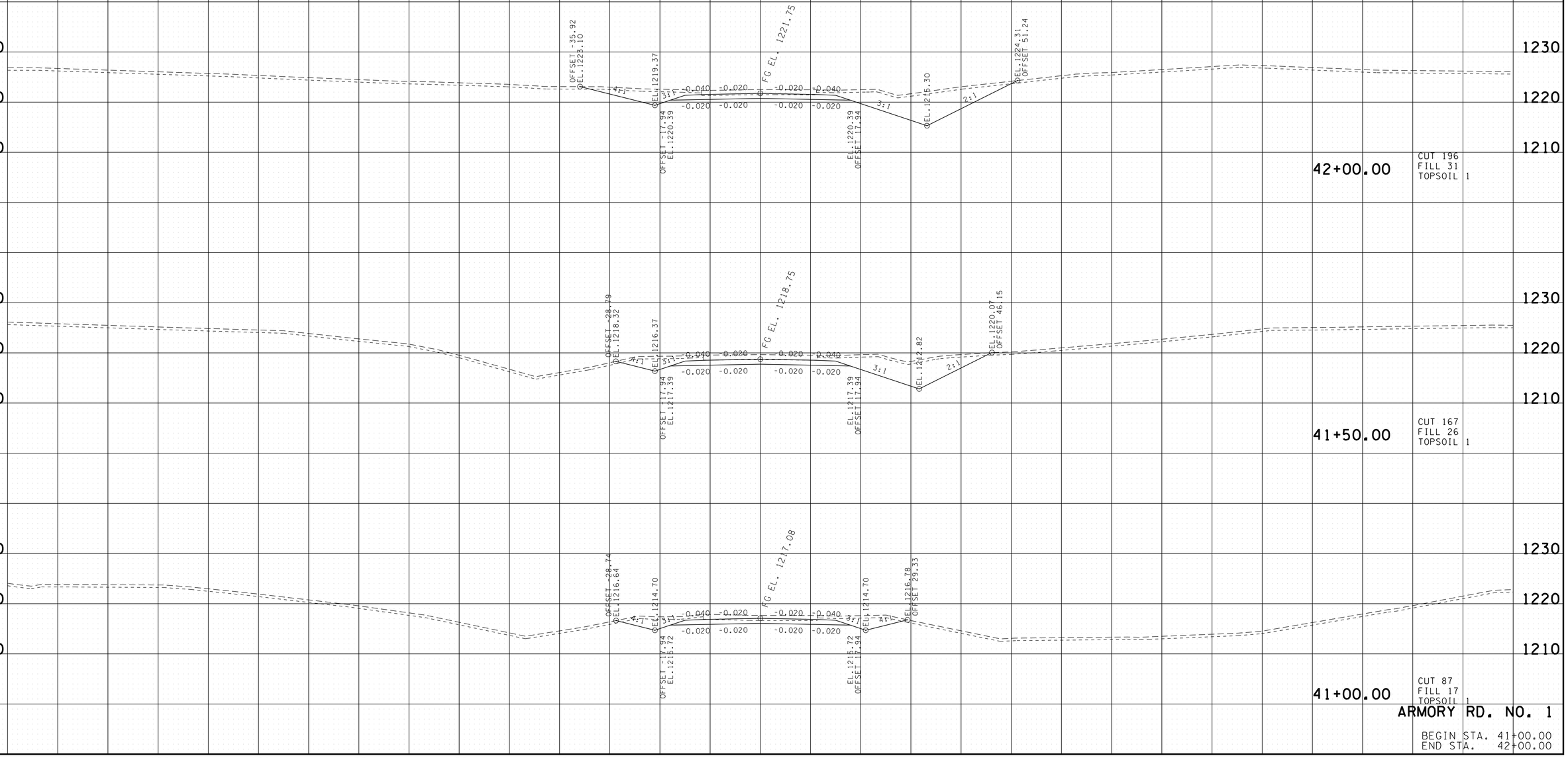


10/20/2014
h:\07019\dgn\d_old sr 32_2 xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	266
CONST.	2015	HPP/STP-32(57)	271



ARMORY RD. NO. 1

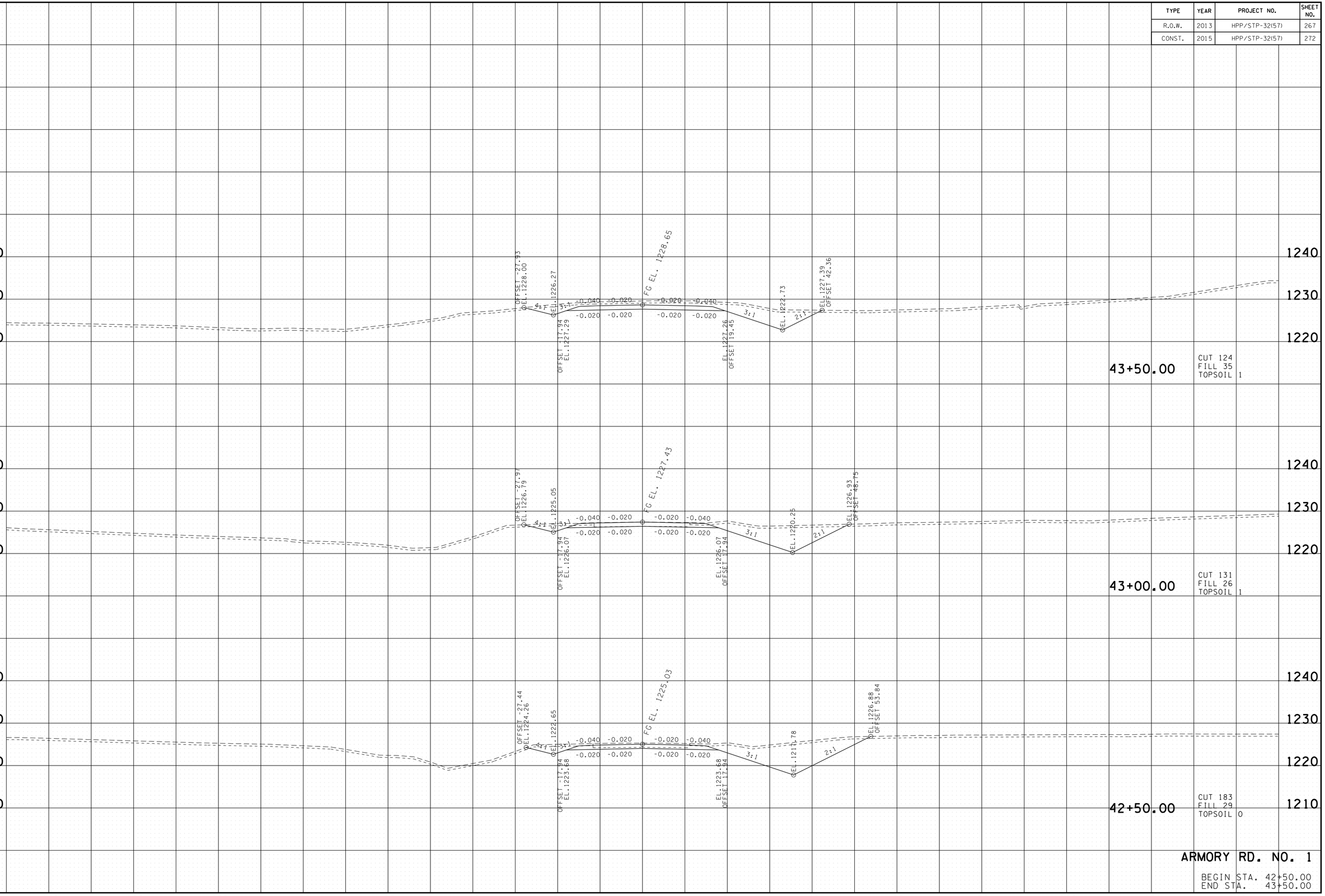
BEGIN STA. 41+00.00
END STA. 42+00.00

10/20/2014
h:\07019\dgn\e_armory rd_xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	267
CONST.	2015	HPP/STP-32(57)	272



ARMORY RD. NO. 1

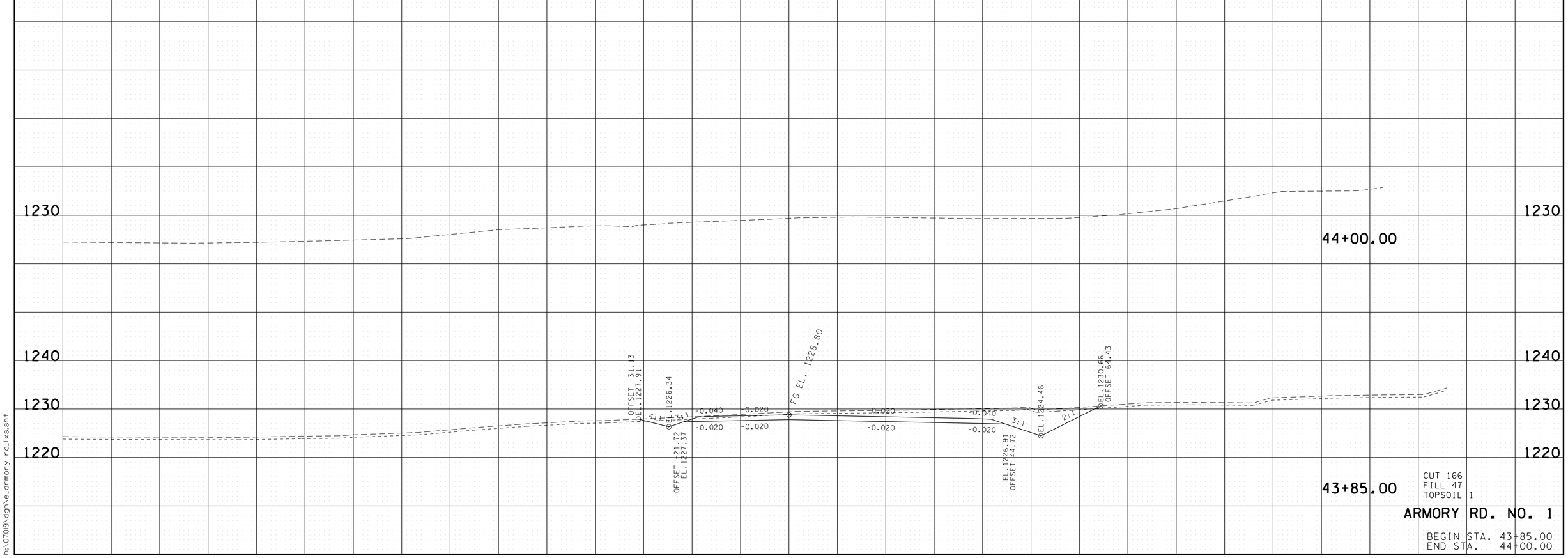
BEGIN STA. 42+50.00
END STA. 43+50.00

10/20/2014
h:\07019\dgn\e_armory rd_ixs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	268
CONST.	2015	HPP/STP-32(57)	273



CUT 166
FILL 47
TOPSOIL 1

ARMORY RD. NO. 1

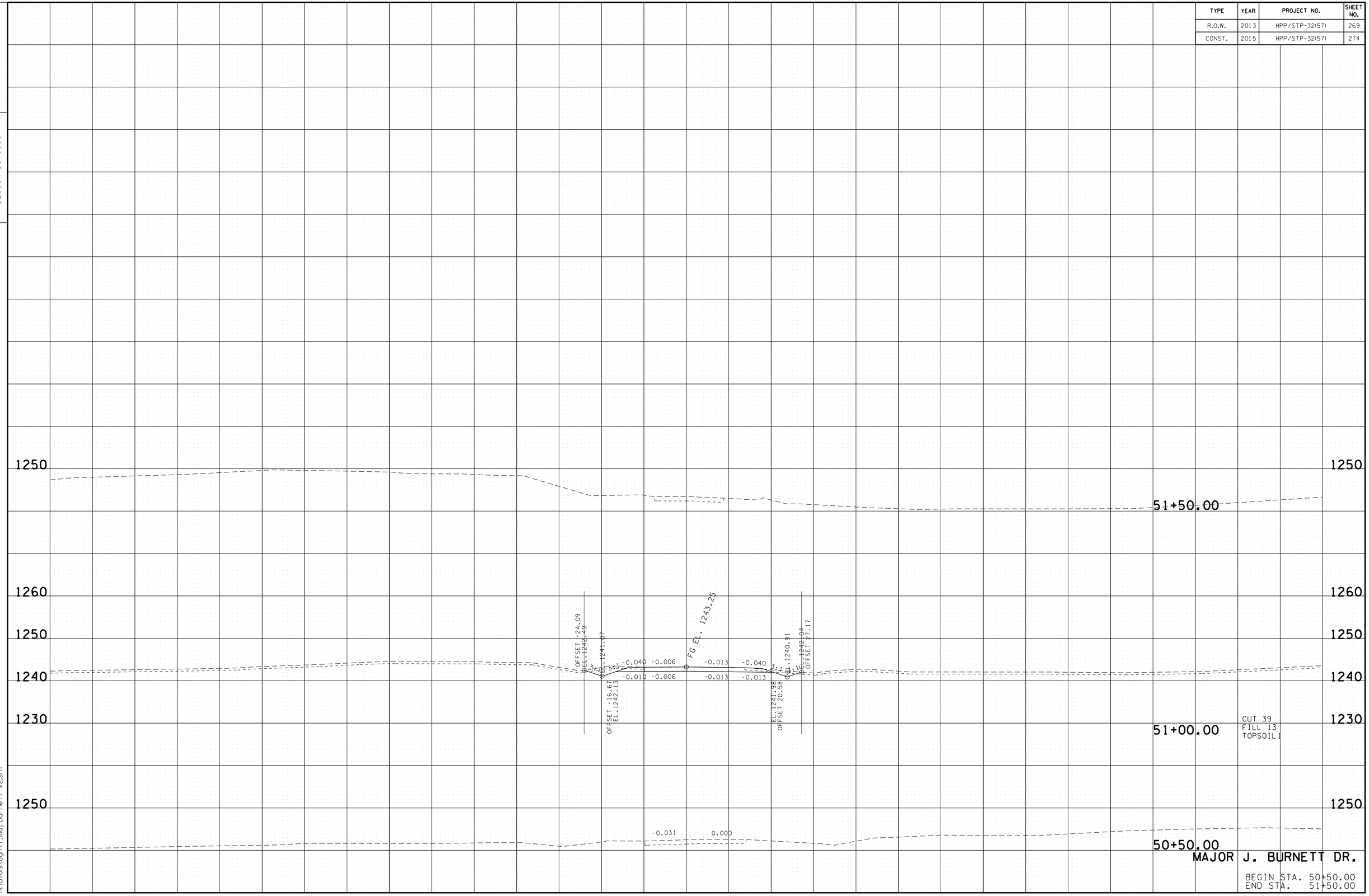
BEGIN STA. 43+85.00
END STA. 44+00.00

10/20/2014
h:\07019\dgn\e_armory rd_xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	269
CONST.	2015	HPP/STP-32(57)	274

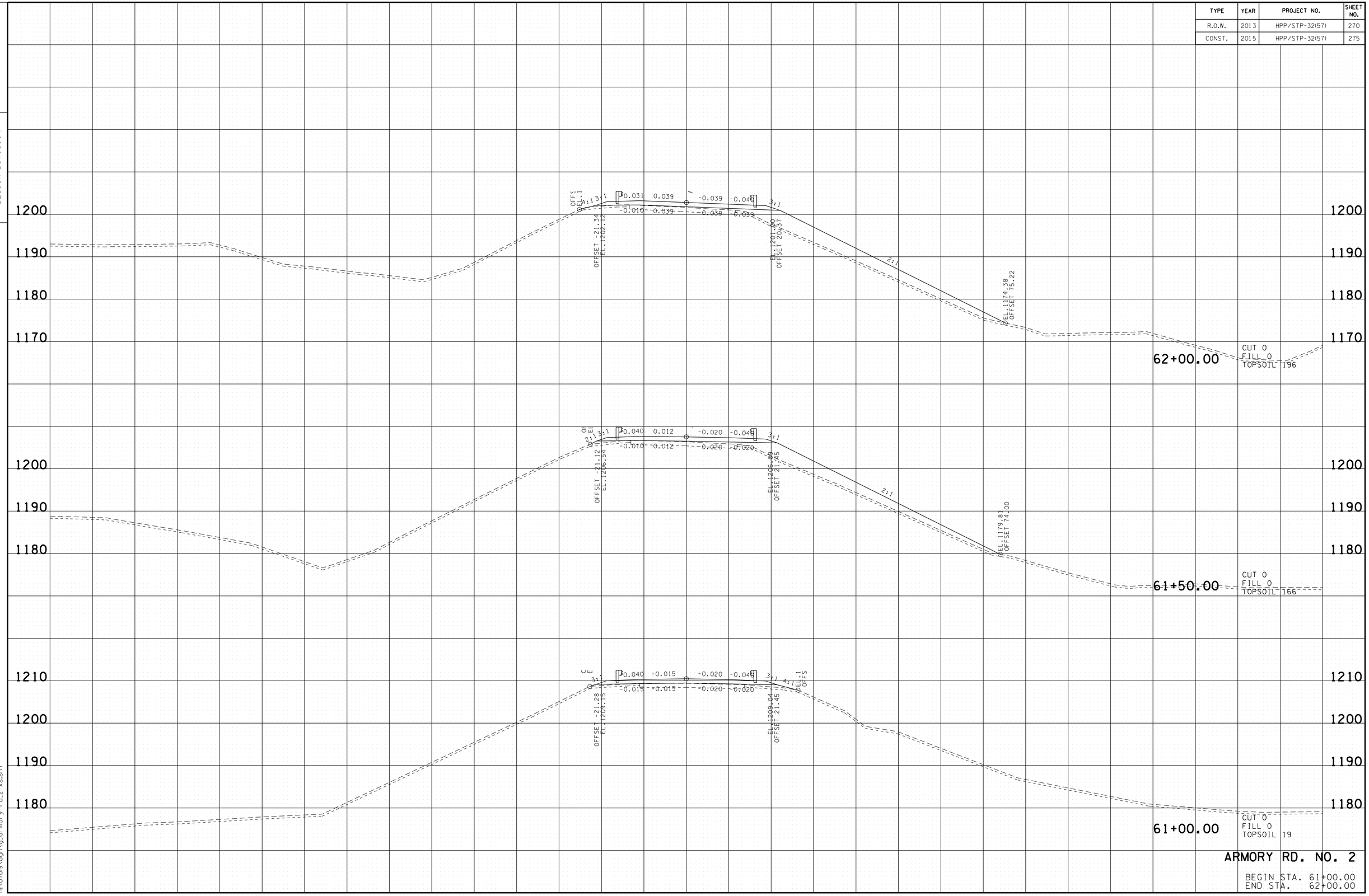


10/20/2014
h:\07019\dgn\f_maj burnett xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	270
CONST.	2015	HPP/STP-32(57)	275



ARMORY RD. NO. 2

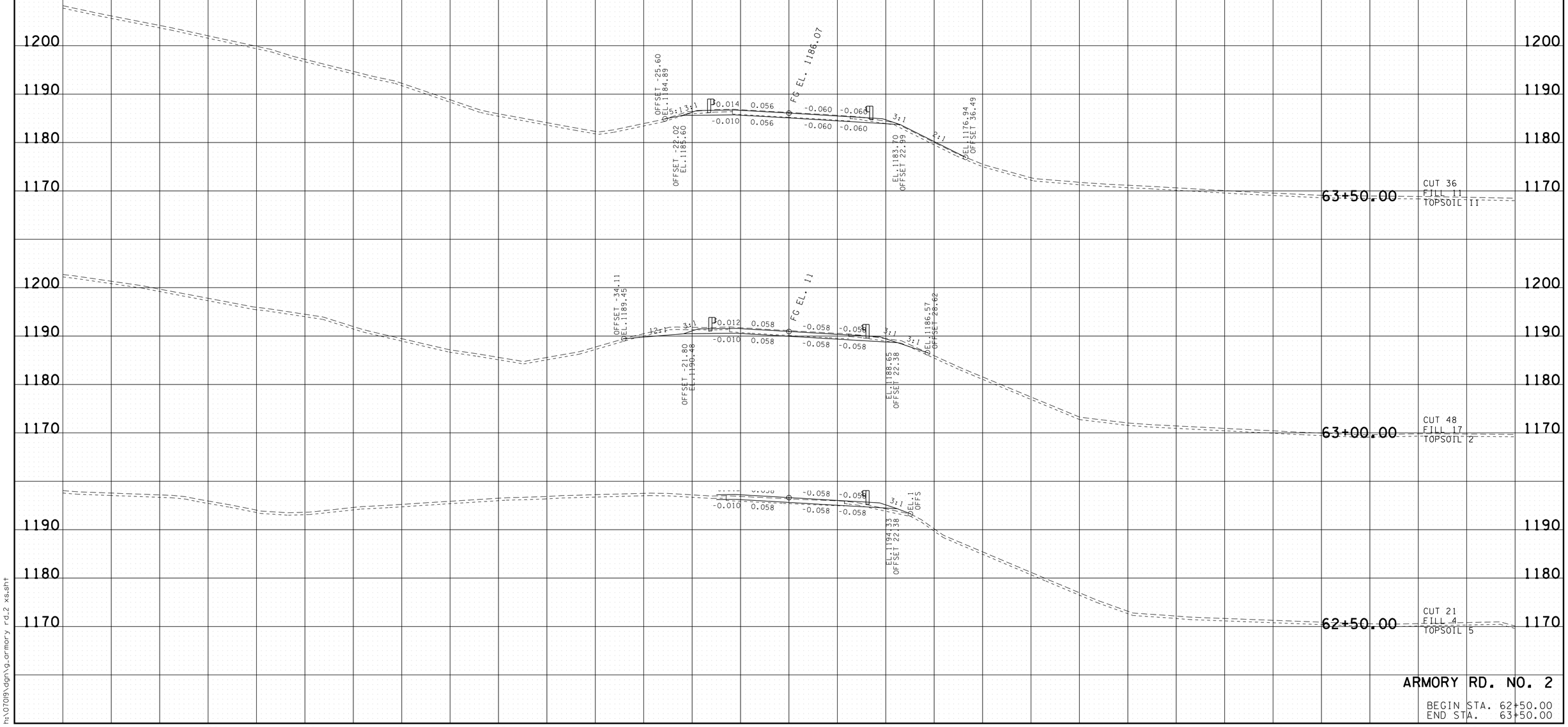
BEGIN STA. 61+00.00
END STA. 62+00.00

10/20/2014
h:\07019\dgn\g_armory rd.2 xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	271
CONST.	2015	HPP/STP-32(57)	276



ARMORY RD. NO. 2

BEGIN STA. 62+50.00
END STA. 63+50.00

10/20/2014
h:\07019\dgn\g_armory rd_2 xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	272
CONST.	2015	HPP/STP-32(57)	277

1200
1190
1180
1170

65+00.00

1200
1190
1180
1170

64+50.00

1210
1200
1190
1180
1170

OFFSET -26.51
EL. 1180.92

8:1 3:1

-0.015 0.055
-0.010 0.055

FG EL 1181.91

-0.062 -0.062
-0.062 -0.062

3:1

2:1

EL 1173.70
OFFSET 36.12

OFFSET -22.48
EL. 1181.42

EL 1179.37
FSET 24.78

64+00.00

CUT 29
FILL 9
TOPSOIL 21

1200
1190
1180
1170

ARMORY RD. NO. 2

BEGIN STA. 64+00.00
END STA. 65+00.00

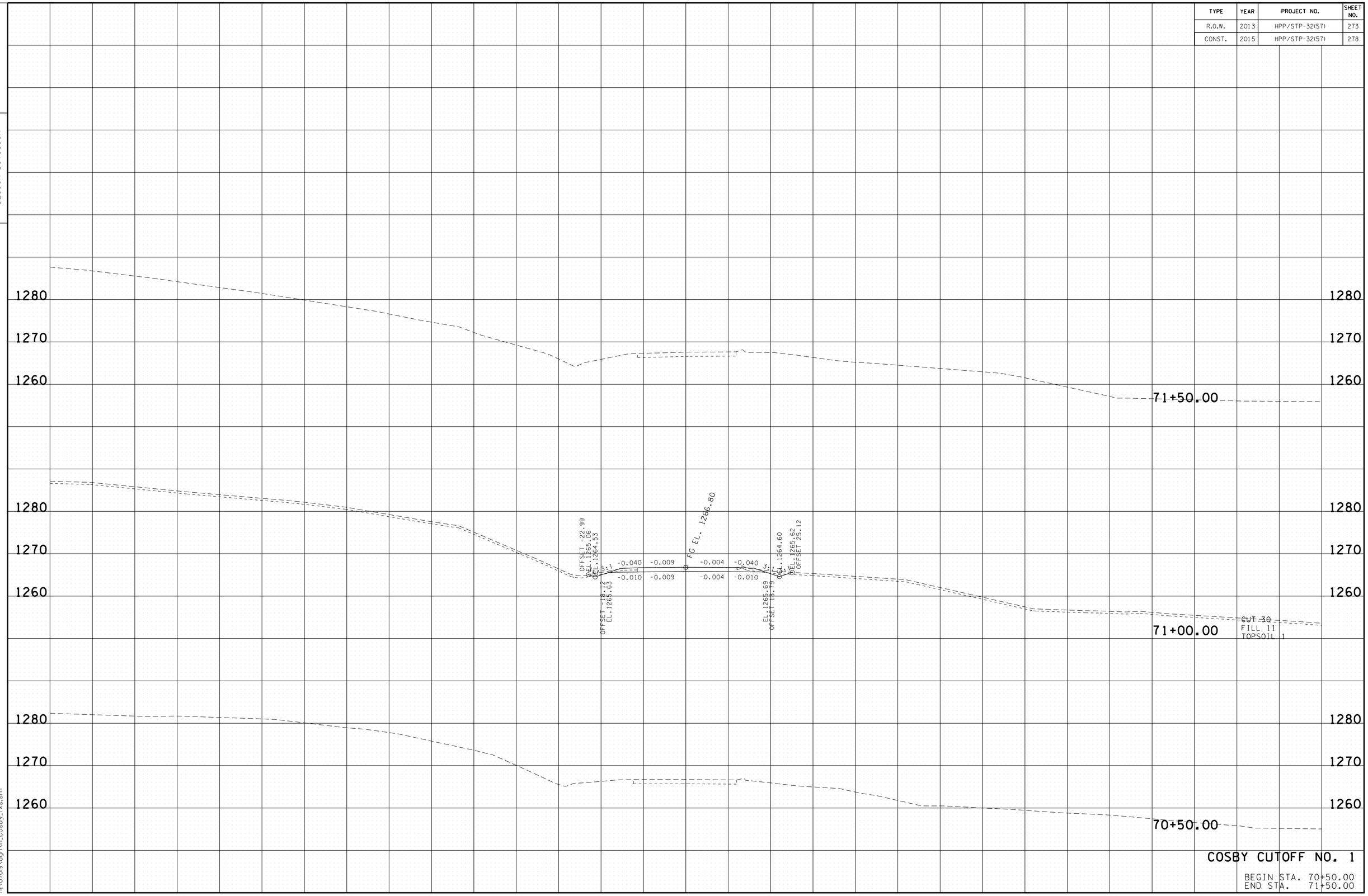
140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

10/20/2014
h:\07019\dgn\g_armory rd.2 xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	273
CONST.	2015	HPP/STP-32(57)	278



COSBY CUTOFF NO. 1

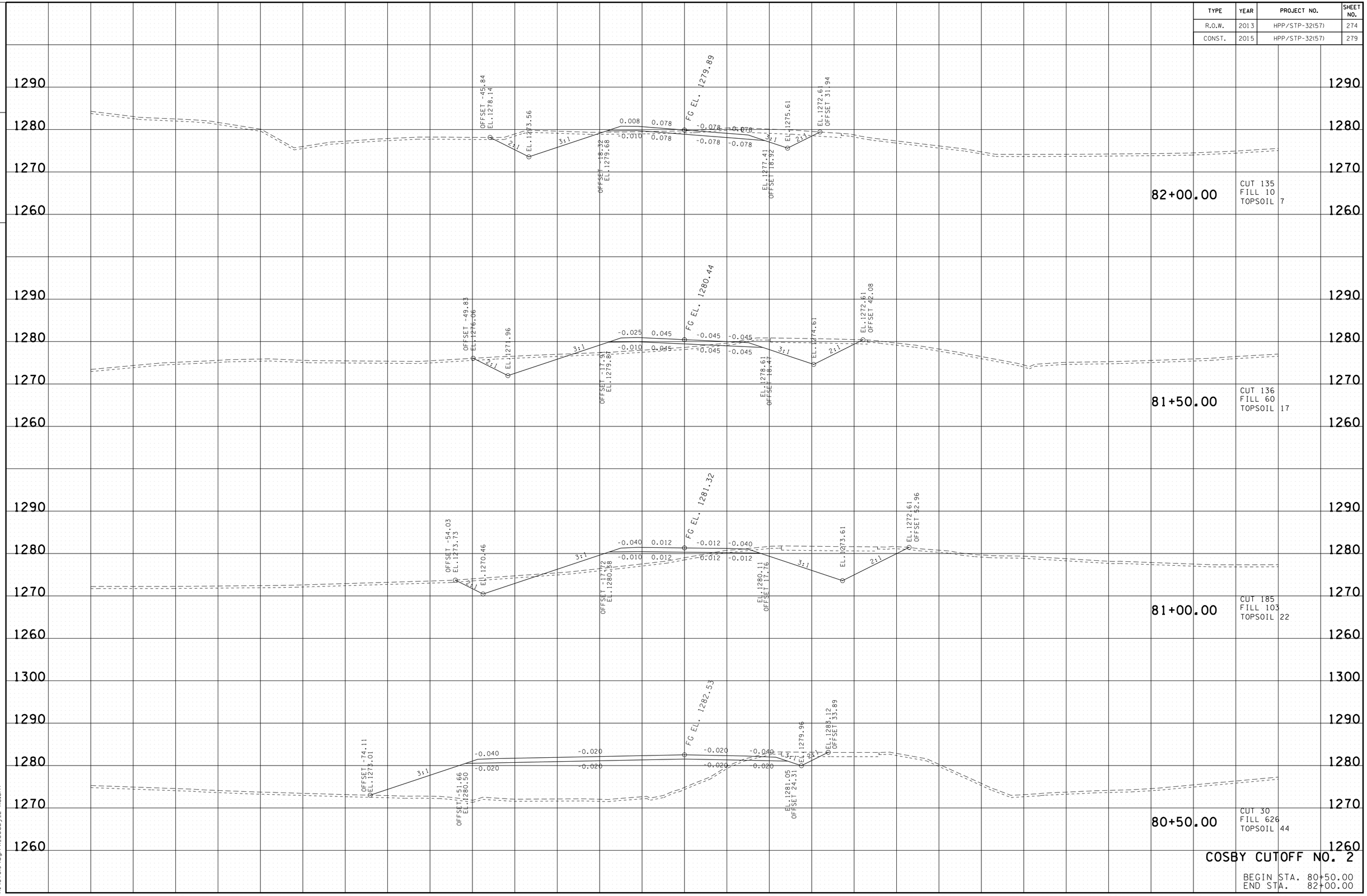
BEGIN STA. 70+50.00
END STA. 71+50.00

10/20/2014
h:\07019\dgn\h_cosby_1xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	274
CONST.	2015	HPP/STP-32(57)	279



COSBY CUTOFF NO. 2

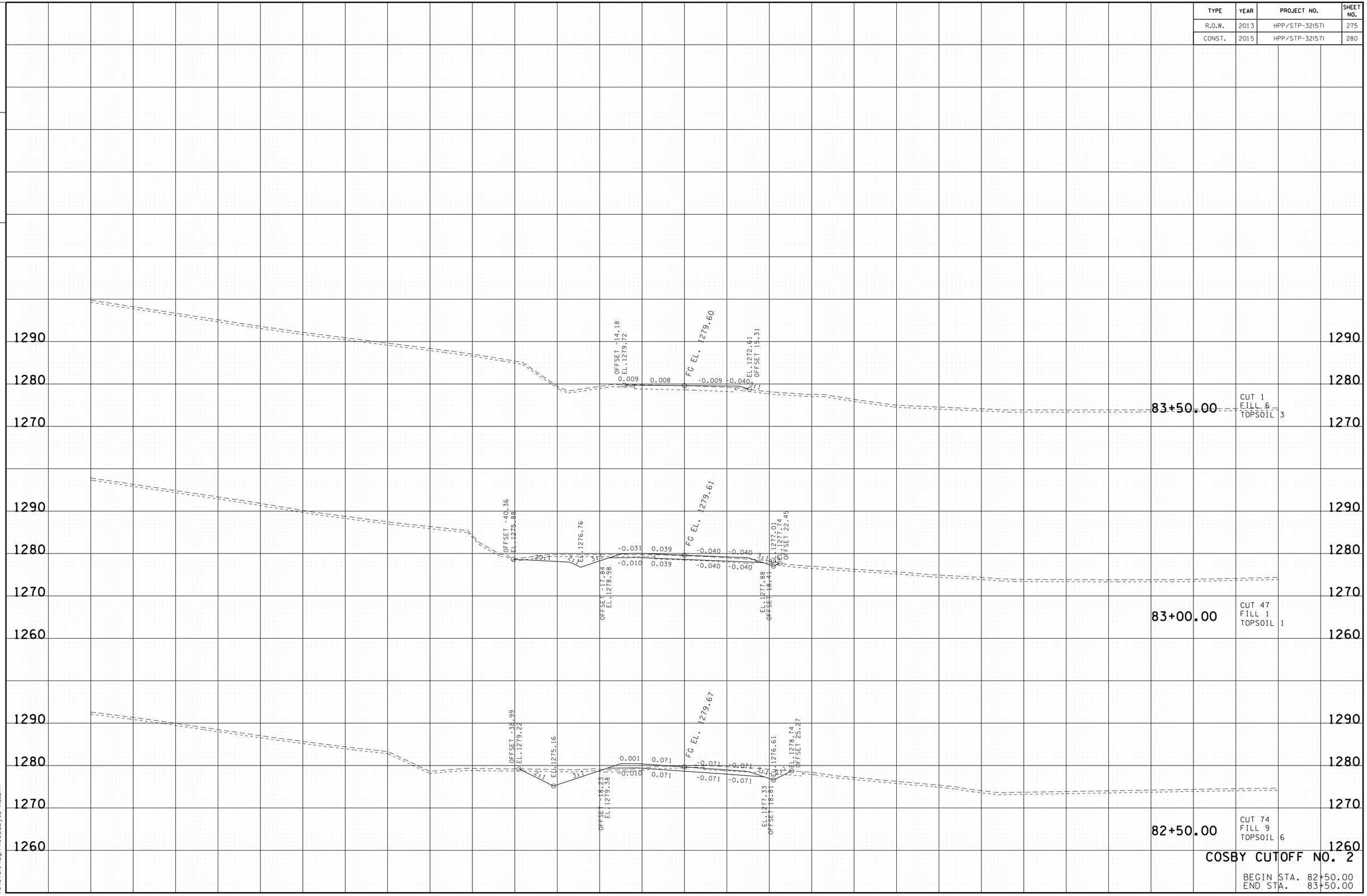
BEGIN STA. 80+50.00
END STA. 82+00.00

10/20/2014
h:\07019\dgn\1_cosby_2 xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	275
CONST.	2015	HPP/STP-32(57)	280



COSBY CUTOFF NO. 2

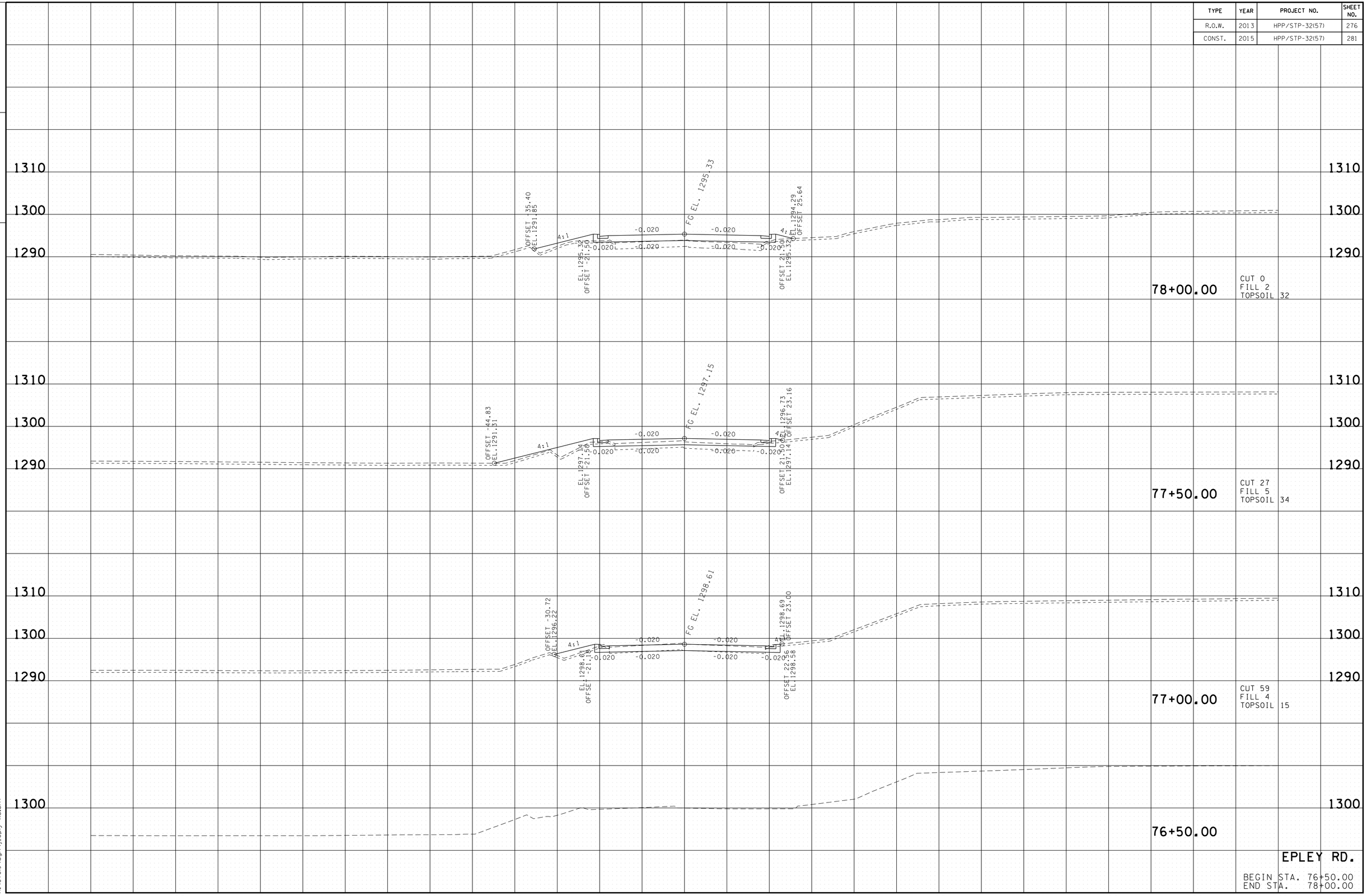
BEGIN STA. 82+50.00
END STA. 83+50.00

10/20/2014
h:\07019\dgn\1_cosby_2 xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	276
CONST.	2015	HPP/STP-32(57)	281



10/20/2014
h:\07019\dgn\j_eply xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	HPP/STP-32(57)	277
CONST.	2015	HPP/STP-32(57)	282

80+00.00

1300
1290
1280

FG EL. 1287.72
-0.040
-0.020
-0.020
-0.020
-0.040
-0.020
3:1
4:1
OFFSET -70.97
EL.1284.63
EL.1285.06
OFFSET 57.70
EL.1288.84
OFFSET 76.23

79+50.00

CUT 182
FILL 0
TOPSOIL 0

1300
1290
1280
1270

FG EL. 1290.57
-0.040
-0.025
0.000
-0.020
-0.025
-0.025
0.000
-0.000
4:1
4:1
OFFSET -51.31
EL.1285.14
EL.1288.15
OFFSET -39.24
OFFSET 21.50
EL.1290.92
EL.1288.55
OFFSET 30.96

79+00.00

CUT 0
FILL 0
TOPSOIL 31

1310
1300
1290
1280

FG EL. 1293.14
-0.020
-0.020
-0.020
-0.020
-0.020
-0.020
4:1
4:1
OFFSET -36.81
EL.1289.30
EL.1293.15
OFFSET -21.50
OFFSET 21.50
EL.1293.18
EL.1291.39
OFFSET 28.45

78+50.00

CUT 0
FILL 0
TOPSOIL 54

EPLEY RD.

BEGIN STA. 78+50.00
END STA. 80+00.00

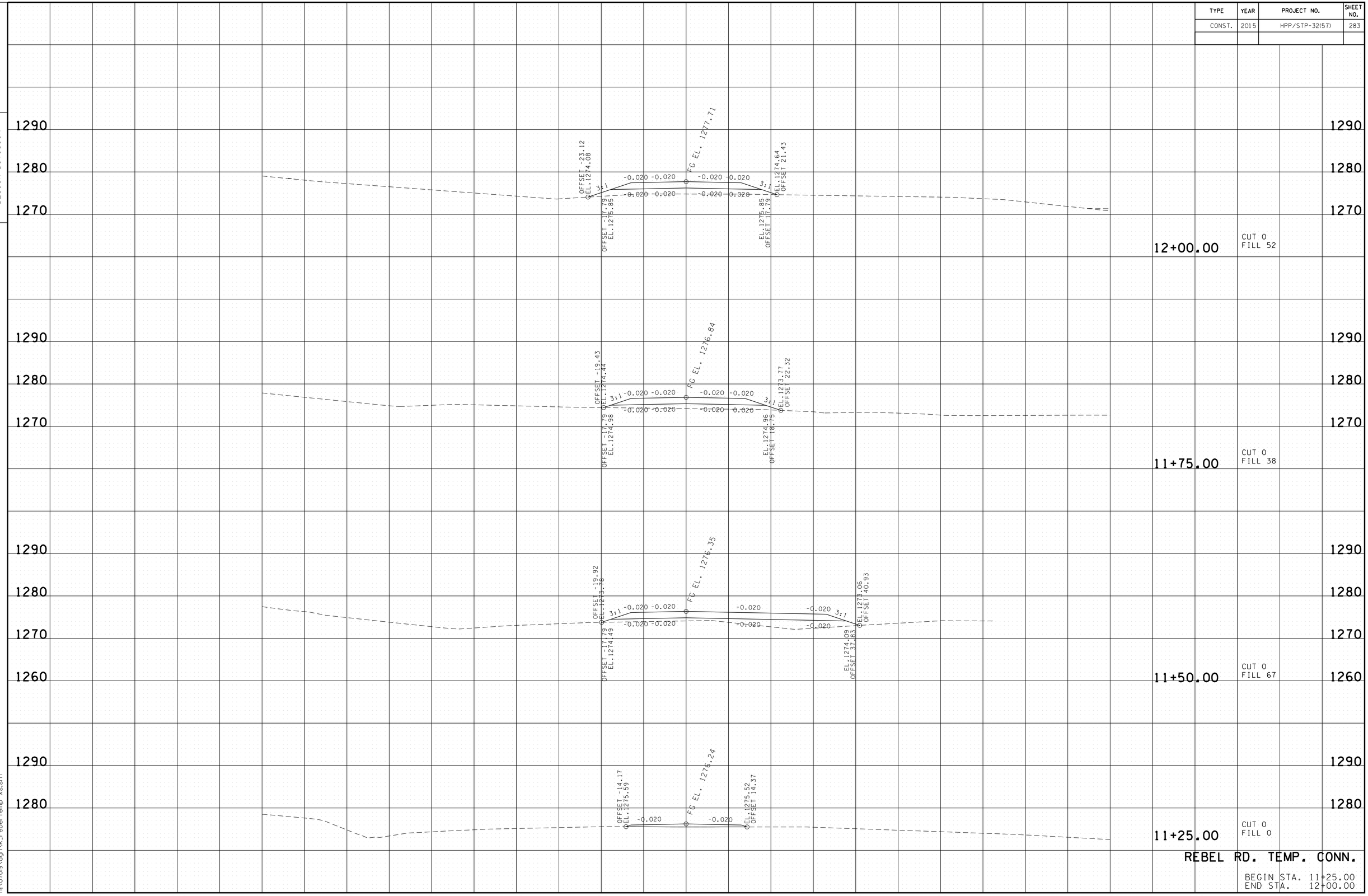
140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

10/20/2014
h:\07019\dgn\j_eply xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	283



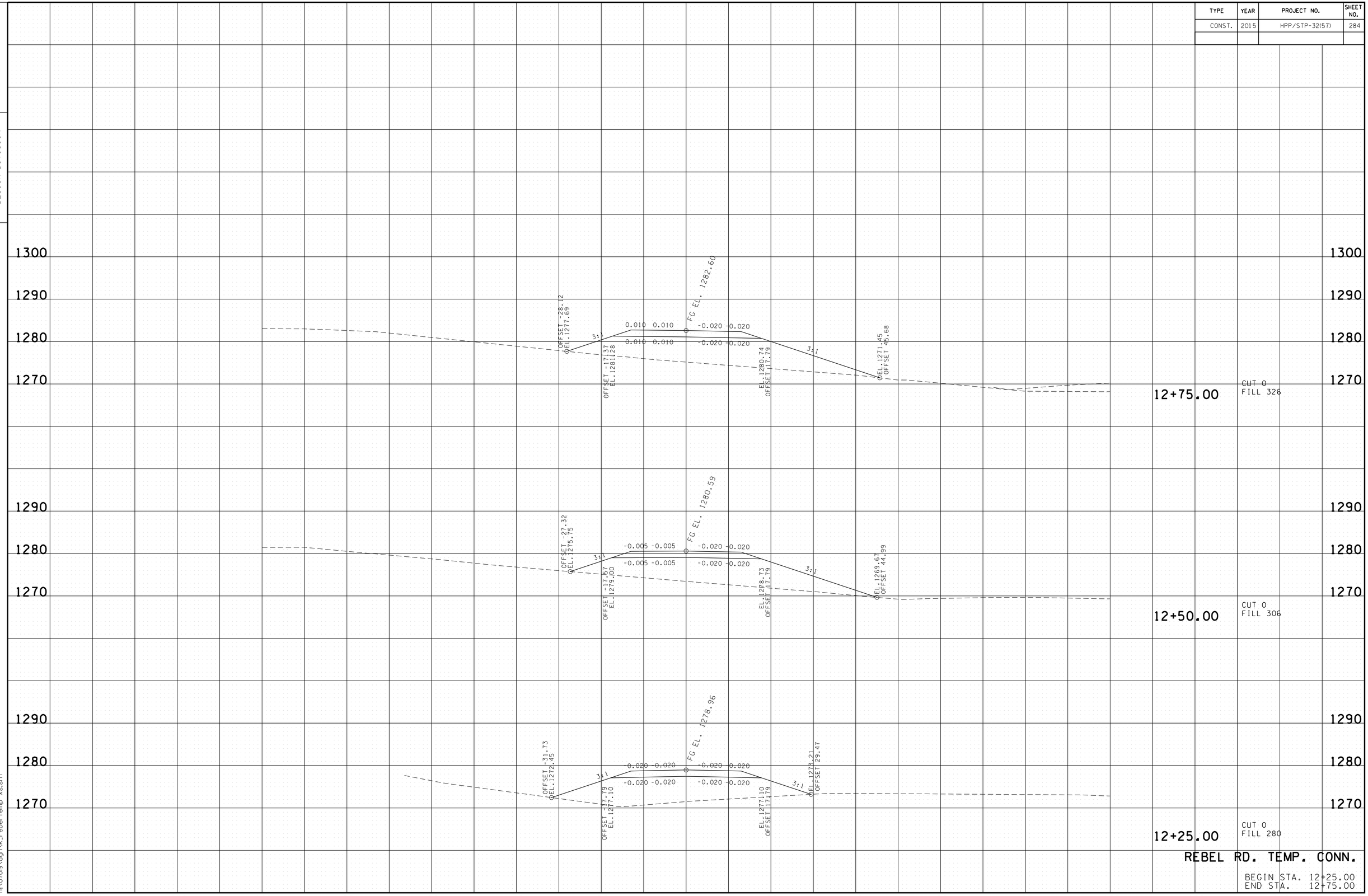
REBEL RD. TEMP. CONN.

BEGIN STA. 11+25.00
END STA. 12+00.00

10/20/2014
h:\07019\dgn\k_rebeltemp_xs.sht

TENNESSEE D.O.T. DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	284

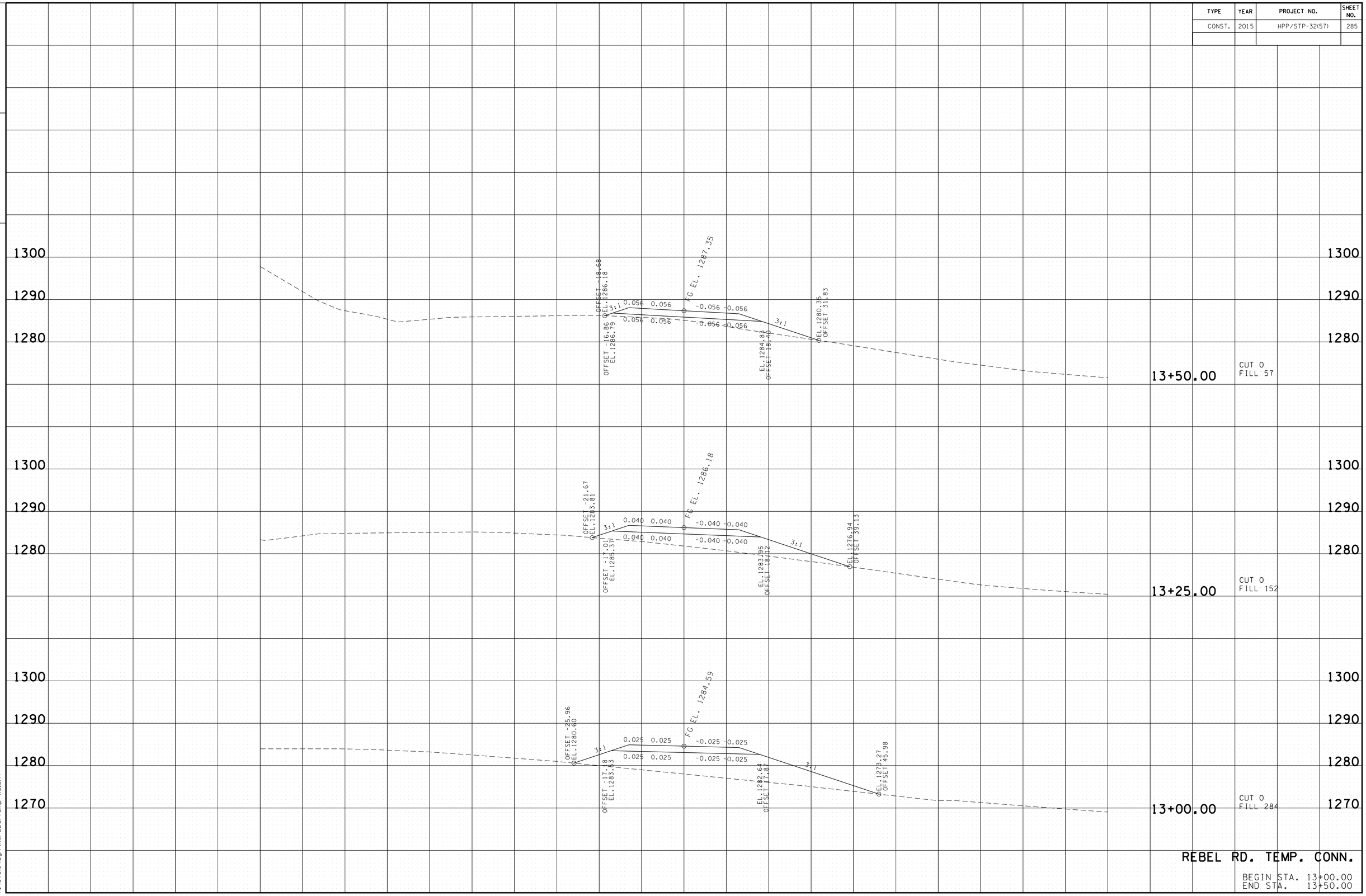


10/20/2014
h:\07019\dgn\k_rebel temp xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	285



REBEL RD. TEMP. CONN.

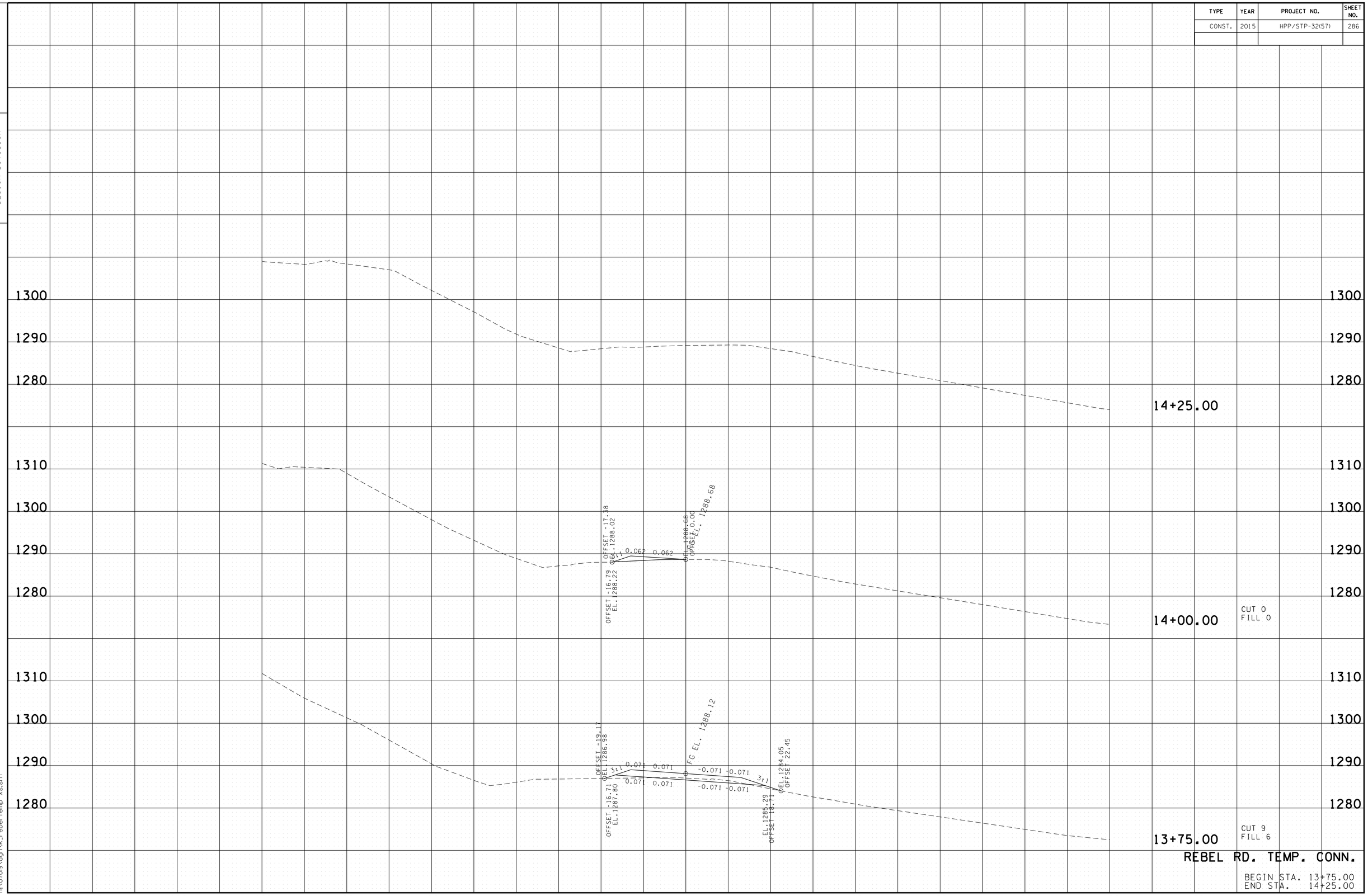
BEGIN STA. 13+00.00
END STA. 13+50.00

10/20/2014
h:\07019\dgn\k_rebel temp xs.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	HPP/STP-32(57)	286



10/20/2014
h:\07019\dgn\k_rebel temp xs.sht