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

INDEX OF SHEETS

SEE SHEET NO. 1A FOR INDEX

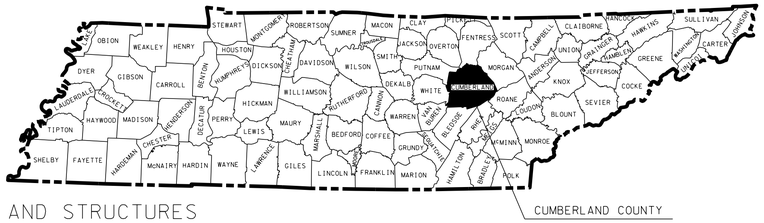
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

TENN.	YEAR	SHEET NO.
	2015	1
FED. AID PROJ. NO.	STP-101(16)	
STATE PROJ. NO.	18038-3240-14	

CUMBERLAND COUNTY

SR-101 (PEAVINE ROAD)

CONST. PHASE 1 -- FROM FIRE TOWER ROAD TO NEAR LAKEVIEW DRIVE



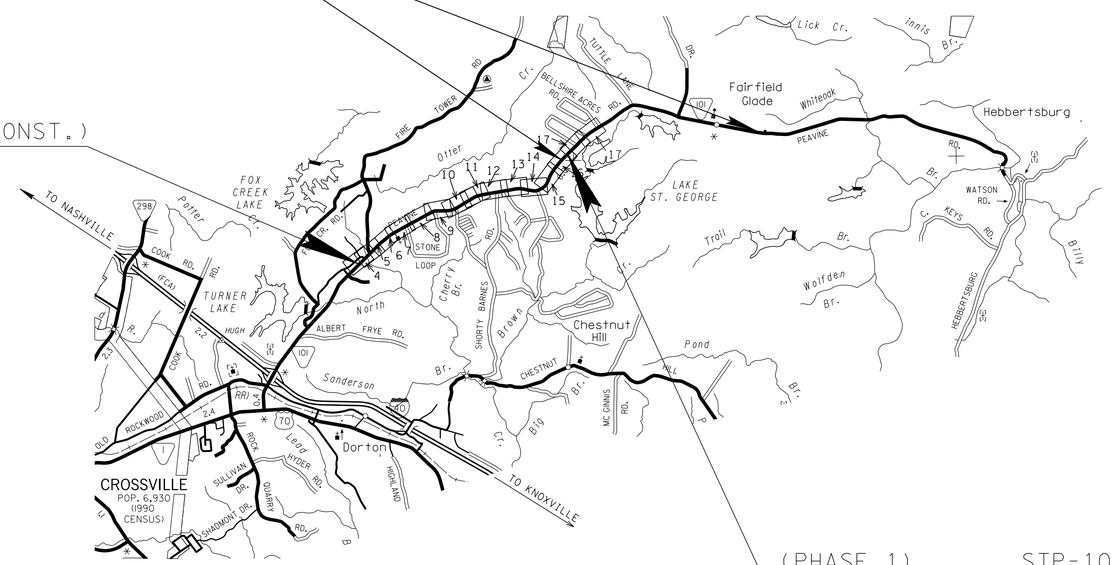
RESURFACING, GRADE, DRAIN, BASE, PAVE, GUARDRAIL, PAVEMENT MARKINGS, AND STRUCTURES

CONSTRUCTION: PHASE 1

STATE HIGHWAY NO. 101 F.A.H.S. NO. 101

(PHASE 2)(R.O.W.)
PROJECT NO. STP.101-(17)
STA. 213+00.00 TO STA. 355+10.00

(PHASE 1) STP-101(16)
BEGIN PROJECT NO. 18038-3240-14 (CONST.)
STA. 58+86.00



(PHASE 1) STP-101(16)
END PROJECT NO. 18038-3240-14 (CONST.)
STA 218+62.00

SCALE: 1"= 5000'

PHASE 1- ROADWAY LENGTH	3.025 MILES
BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES
PROJECT LENGTH	3.025 MILES

NO EXCLUSIONS
NO EQUATIONS

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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 ROAD SP. SV. 2 ROBERT RODGERS, P.E.

DESIGNER JASON INGRAM, P.E. DESIGNER CARL PERRY/GREG TAYLOR P.E.

P.E. NO. 18038-1230-04

PIN NO. 100268.01

TRAFFIC DATA	
ADT (2013)	14,640
ADT (2033)	18,640
DHV (2033)	1,864
D	55 - 45
T (ADT)	2 %
T (DHV)	1 %
V	50 MPH

SURVEY:
07-23-09
05-27-10
05-29-11
12-07-11
02-13-12
03-27-12
07-20-12
05-08-13

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR DATE

20-OCT-2014 11:09
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REV 02-20-15: ADDED ROW DETAILS SHT NOS. TO INDEX AND REVISED SHT NOS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	1A

REV 02-27-15: ADDED PROJECT COMMITMENTS PER ENV REQ.

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

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ESTIMATED SIGNAL QUANTITIES	2A2
ESTIMATED UTILITIES QUANTITIES	2B
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GENERAL NOTES AND SPECIAL NOTES	2H-2L
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PROPOSED PROFILES	4C – 16C
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STANDARD BRIDGE DRAWINGS

DWG. NO.	REV.	DESCRIPTION
BRIDGE APPURTENANCES ENGLISH (BOX CULVERTS)		
STD-15-1	11-06-08	INDEX OF DRAWINGS AND TERMINOLOGY
STD-15-2	3-28-08	GENERAL NOTES
STD-15-3	2-28-03	DESIGN SECTION LIMITS
STD-15-4	12-07-01	TYPICAL SECTION AND DETAILS
STD-15-5	2-28-03	TYPICAL ELEVATION
STD-15-6	3-28-08	CURB AND RAIL DETAILS - SKEW NOT LESS THAN 45 DEG.
STD-15-8	12-07-01	INTERIOR WALL END TREATMENTS
STD-15-9	2-28-03	TYPICAL WINGWALL DETAILS AND NOTES
STD-15-10	11-06-08	WINGWALL DIMENSIONS AND QUANTITIES
STD-15-11		WINGWALL DIMENSIONS AND QUANTITIES
STD-15-12	3-28-08	WINGWALL & SPECIAL RETAINING WALL DESIGN SECTION
STD-15-13		WINGWALL DESIGN SECTION
STD-15-14	06-01-11	BACKFILL AND DRAINAGE DETAILS
STD-15-15		BACKFILL AND DRAINAGE DETAILS
STD-15-16A		LOW FLOW CHANNEL CONSTRUCTION DETAILS FOR CULVERT INLET AND OUTLET
STD-15-19		SIDEWALK AND MISCELLANEOUS DETAILS
STD-15-20		WARPED SLOPE DETAIL
STD-15-24	12-07-01	END SECTION DETAILS
STD-15-25	11-01-10	PRECAST BOX CULVERT DETAILS
STD-15-26		PRECAST BOX CULVERT DETAILS
STD-15-27		PRECAST BOX CULVERT DETAILS
STD-15-28		PRECAST BOX CULVERT DETAILS
STD-15-29		PRECAST BOX CULVERT DETAILS
STD-15-35		BOX BRIDGE, 1 BARREL AT 6', CLEAR HTS. 3' - 6', 0 - 60' FILL

STANDARD ROADWAY DRAWINGS

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-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 & 2:1 SLOPES
RD-UD-7	12-18-94	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 3:1 & 4:1 SLOPES
RD-UD-9	12-18-94	LATERAL UNDERDRAIN ENDWALL DETAIL 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-SE-2	10-15-02	URBAN SUPERELEVATION DETAILS
RD01-SE-3	10-15-02	RURAL SUPERELEVATION DETAILS
RD01-TS-1	10-15-02	DESIGN STANDARDS FOR LOCAL ROADS AND STREETS
RD01-TS-2B	10-15-02	DESIGN STANDARDS 4 AND 6 LANE COLLECTOR HIGHWAYS WITH FLUSH MEDIANS
RD01-TS-3	10-15-02	DESIGN STANDARD FOR 2-LANE ARTERIAL HIGHWAYS
RD01-TS-6	07-31-13	TYPICAL CURB AND GUTTER SECTIONS WITH SHOULDER
RD01-TS-6A	07-31-13	TYPICAL CURB AND GUTTER SECTIONS WITHOUT SHOULDER

DRAINAGE - CULVERTS AND ENDWALL

DWG. NO	REV.	DESCRIPTION
D-PB-1	01-02-13	STANDARD DETAILS CLASS "B" BEDDING AND CULVERT EXCAVATION
D-PB-2	01-29-14	STANDARD DETAILS FOR FLEXIBLE PIPE INSTALLATION
D-PE-18A	06-14-13	18" CONCRRETE ENDWALL CROSS DRAIN
D-PE-18B		18" CONCRRETE ENDWALL CROSS DRAIN
D-PE-24A	06-14-13	24" CONCRRETE ENDWALL CROSS DRAIN
D-PE-24B		24" CONCRRETE ENDWALL CROSS DRAIN
D-PE-30A	06-14-13	30" CONCRRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-30B		30" CONCRRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
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 CONCRRETE ENDWALL WITH STEEL PIPE GRATE

DRAINAGE-CATCH BASINS AND MANHOLES

DWG. NO	REV.	DESCRIPTION
D-CB-12LP	03-11-14	LOW PROFILE 32" X 32" SQUARE CONCRETE NO. 12LP CATCH BASIN
D-CB-12P	03-11-14	STANDARD PRECAST RECTANGULAR CONCRETE NO. 12 CATCH BASIN
D-CB-12RA	03-11-14	STANDARD PRECAST 48" CIRCULAR NO. 12 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-12RB	03-11-14	STANDARD PRECAST 60" AND 72" CIRCULAR NO. 12 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-12RC	03-11-14	STANDARD PRECAST 84" THRU 120" CIRCULAR NO. 12 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-12S	03-11-14	STANDARD RECTANGULAR CONCRETE NO. 12 CATCH BASIN
D-CB-12SB	03-11-14	STANDARD 4' X 4' SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-12SC	03-11-14	STANDARD 5'2" X 5'2" SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-12SD	03-11-14	STANDARD 7' X 7' SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-12SE	03-11-14	STANDARD 9' X 9' SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-14P	03-11-14	STANDARD PRECAST RECTANGULAR CONCRETE NO. 14 CATCH BASIN
D-CB-14RB	03-11-14	STANDARD PRECAST CIRCULAR NO. 14RB CATCH BASIN

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INDEX AND STANDARD DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	1B

REVISED 12-15-14:REVISED STD DWG S-GRT-2 AND S-GRT-4.

D-CB-14S	03-11-14	STANDARD RECTANGULAR CONCRETE NO. 14 CATCH BASIN
D-CB-14SE	03-11-14	STANDARD 9' X 9' SQUARE CONCRETE NO. 14 CATCH BASIN
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-42RB	03-11-14	STANDARD PRECAST CIRCULAR NO. 42 CATCH BASIN
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

ROADWAY AND PAVEMENT APPURTENANCES

RP-CS-1	09-29-10	CONCRETE SHOULDER RUMBLE STRIP DETAIL (FOR 4-LANE DIVIDED HIGHWAY)
RP-D-15	07-15-08	DETAILS OF STANDARD CONCRETE DRIVEWAYS
RP-D-16	07-15-08	DETAILS OF LOWERED STANDARD CONCRETE DRIVEWAYS
RP-H-3	06-04-13	HANDICAP RAMP AND TRUNCATED DOME SURFACE DETAIL
RP-H-4	06-04-13	PERPENDICULAR CURB RAMP
RP-H-5	06-04-13	PARALLEL CURB RAMP
RP-H-7	06-04-13	PERPENDICULAR HANDICAP RAMP FOR 20' THRU 60' RADIUS
RP-H-8	06-04-13	PERPENDICULAR HANDICAP RAMP FOR 20' THRU 60' RADIUS
RP-H-9	06-04-13	PARALLEL HANDICAP RAMP FOR 20' THRU 60' RADIUS
RP-MC-2	02-28-02	STANDARD 6" SLOPING (MOUNTABLE) CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS
RP-NMC-10	07-29-03	STANDARD VERTICAL (NONMOUNTABLE) CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS
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
RP-S-7	06-04-13	DETAILS FOR STANDARD CONCRETE SIDEWALKS

SAFETY APPURTENANCES AND FENCE

S-CZ-1		CLEAR ZONE CRITERIA
S-F-1	05-24-12	HIGH VISIBILITY FENCE
S-GR31-1	11-26-07	W-BEAM GUARDRAIL
S-GRA-3		GUARDRAIL ANCHOR FOR TYPE 21, 13 AND IN-LINE TERMINALS
S-GRC-1		GUARDRAIL CONNECTION TO BRIDGE ENDS OR BARRIER WALL
S-GRS-2		SPECIAL CASE:GUARDRAIL ATTACHMENT TO CONCRETE DECKS
S-GRT-2	11-03-14	TYPE 38 GUARDRAIL TERMINAL
S-GRT-3D		TYPE 21 GUARDRAIL TERMINAL(DETAILS)
S-GRT-2P		EARTH PAD FOR TYPE 38 TERMINAL
S-GRT-2R		EARTH PAD FOR TYPE 38 TERMINAL(RETROFIT)
S-GRT-4	11-06-14	TYPE 13 GUARDRAIL TERMINAL (TRAILING END)
S-PL-1		SAFETY PLAN AT ROADSIDE HAZARDS
S-PL-2		SAFETY PLAN AT SIDE ROADS OR PRIVATE DRIVES.
S-PL-3		SAFETY PLAN:MINIMUM INSTALLATION AT BRIDGE ENDS
S-RP-2	01-19-99	STANDARD CONCRETE RIGHT-OF-WAY MARKERS

TRAFFIC CONTROL APPURTENANCES

T-FAB-1	05-27-97	FLASHING YELLOW ARROW BOARD
T-M-1	07-24-14	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	07-24-14	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	07-24-14	MARKING STANDARDS FOR TRAFFIC ISLANDS, MEDIANS & PAVED SHOULDERS ON CONVENTIONAL ROADS
T-M-4	07-24-14	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-8	07-15-91	HIGHWAY SHIELDS USED ON STATE NUMBERED ROUTES AND ARROWS
T-S-9	06-10-14	STANDARD LAYOUT GROUND MOUNTED SIGNS
T-S-10	04-04-12	STANDARD MOUNTING DETAILS FLAT SHEET SIGNS ALUMINUM-STEEL DESIGN
T-S-16	06-05-14	GROUND MOUNTED ROADSIDE SIGN AND DETAILS
T-S-17	07-19-13	STANDARD GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-18	02-14-14	END OF ROADWAY, DEAD END SIGNS AND METAL BARRICADES (TYPE III)
T-S-19	07-19-13	STANDARD MEMBERS BENDAWAY SIGN SUPPORTS STEEL DESIGN
T-S-20	11-01-11	SIGN DETAILS
T-SG-1	11-01-11	WOOD POLE DETAILS FOR SPAN MOUNTED SIGNALS
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-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	05-01-14	MISC. SIGNAL DETAILS
T-SG-10	06-11-14	MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILS
T-SG-11	07-08-14	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-21	03-15-11	LANE CLOSURE WITH LEFT HAND MERGE AND LANE SHIFT
T-WZ-30	09-01-05	TRAFFIC CONTROL 2-LANE, 2-WAY DIVERSION (40 MPH OR LESS)

EROSION PREVENTION AND SEDIMENT CONTROL

EC-STR-2	08-01-12	SEDIMENT FILTER BAG
EC-STR-3B	04-01-08	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-6A	08-01-12	ENHANCED ROCK CHECK DAM
EC-STR-11	08-01-12	CULVERT PROCTECTION TYPE 1
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-29	08-01-12	PERMANENT SLOPE DRAIN PIPE
EC-STR-31	08-01-12	TEMPORARY DIVERSION CHANNEL
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 DIVERSON (DOWNSTREAM)
EC-STR-33A	08-01-12	SUSPENDED PIPE DIVERSON (UPSTREAM)
EC-STR-34	08-01-12	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION
EC-STR-37	06-10-14	SEDIMENT TUBE
EC-STR-39	08-01-12	CURB INLET PROTECTION TYPE 1 & 2
EC-STR-39A	08-01-12	CURB INLET PROTECTION TYPE 3 & 4
EC-STR-42		CATCH BASIN FILTER ASSEMBLY (TYPE 2)
EC-STR-42A		CATCH BASIN FILTER ASSEMBLY (TYPE 2) SLIPCOVER DETAILS
EC-STR-47		CATCH BASIN FILTER ASSEMBLY (TYPE 7)
EC-STR-47A		CATCH BASIN FILTER ASSEMBLY (TYPE 7) SLIPCOVER DETAILS
EL-W-2	05-27-01	STANDARD GRAVITY-TYPE RETAINING WALLS

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INDEX AND STANDARD DRAWINGS

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	1C

REV 02-27-15: ADDED PROJECT COMMITMENTS PER ENV REQ.

PROJECT COMMITMENTS

COMMITMENT ID	SOURCE DIVISON	DESCRIPTION	STA. / LOCATION
EDHZ001	ENVIRONMENTAL DIVISION, HAZARDOUS MATERIALS	Some of the soil on Tract 4, located at 2529 Peavine Road (former C and K Market)Crossville, Cumberland County, Tennessee, that was used to backfill the tank pit excavation has concentrations of benzene and xylenes that are above TDUST residential Initial Screening Levels (ISLs), but below commercial ISLs. In order to prevent direct contact with the soil and possible exposure through contact and/or ingestion, contractors should follow their company's Health and Safety Plan regarding use of proper personal protective equipment (PPE) for work activities in this location. It is recommended that all personnel use engineered controls (rubber boots, gloves) and good hygienic practices if they must come into contact with the soil. If excess soil is generated at this location, it must not be removed from the tract without prior approval by the TDOT Hazmat Section. Contact TDOT Hazmat at 615-532-8684 for further information or to obtain a copy of the UST Closure Report.	Tract 4, located at 2529 Peavine Road (former C and K Market)

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROJECT COMMITMENTS

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	2

REV 11-5-2015:ADDED ITEM NOS. 705-09.07 AND 712-02.36. REVISED ITEM NOS. 705-08.51 AND 712-02.02.

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	201-01	CLEARING AND GRUBBING	LS	1
12.)	202-06.01	REMOVAL OF BUILDINGS (TRACT NO.1)	LS	1
12.)	202-06.02	REMOVAL OF BUILDINGS (TRACT NO.4)	LS	1
12.)	202-06.03	REMOVAL OF BUILDINGS (TRACT NO.32)	LS	1
12.)	202-06.04	REMOVAL OF BUILDINGS (TRACT NO.36)	LS	1
12.)	202-06.05	REMOVAL OF BUILDINGS (TRACT NO.55)	LS	1
12.)	202-06.06	REMOVAL OF BUILDINGS (TRACT NO.58)	LS	1
12.)	202-06.07	REMOVAL OF BUILDINGS (TRACT NO.59)	LS	1
12.)	202-06.08	REMOVAL OF BUILDINGS (TRACT NO.62)	LS	1
12.)	202-06.09	REMOVAL OF BUILDINGS (TRACT NO.66)	LS	1
12.)	202-06.10	REMOVAL OF BUILDINGS (TRACT NO.74)	LS	1
12.)	202-06.11	REMOVAL OF BUILDINGS (TRACT NO.75)	LS	1
12.)	202-06.12	REMOVAL OF BUILDINGS (TRACT NO.76)	LS	1
12.)	202-06.13	REMOVAL OF BUILDINGS (TRACT NO.79)	LS	1
12.)	202-06.14	REMOVAL OF BUILDINGS (TRACT NO.80)	LS	1
10.)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	67808
	203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	5646
	203-03	BORROW EXCAVATION (UNCLASSIFIED)	C.Y.	65869
	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	1131
	203-06	WATER	M.G.	23980
	204-08	FOUNDATION FILL MATERIAL	C.Y.	30
10.)	209-02.07	18" TEMPORARY SLOPE DRAIN	L.F.	154
10.)	209-05	SEDIMENT REMOVAL	C.Y.	3519
10.)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	3653
10.)	209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	39196
10.)	209-08.07	ROCK CHECK DAM	EACH	20
10.)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	88
10.)	209-09.01	SANDBAGS	BAG	1174
10.)	209-09.03	SEDIMENT FILTER BAG (15' X 15')	EACH	4
10.)	209-09.21	POLYACHLAMIDE GEL LOGS	EACH	886
10.)	209-09.22	POLYACHLAMIDE POWDER	LB.	4898
10.)	209-09.41	CURB INLET PROTECTION (TYPE 2)	EACH	27
10.)	209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	177
10.)	209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.	81
10.)	209-40.41	CATCH BASIN FILTER ASSEMBLY(TYPE 1)	EACH	14
10.)	209-40.42	CATCH BASIN FILTER ASSEMBLY(TYPE 2)	EACH	12
10.)	209-40.45	CATCH BASIN FILTER ASSEMBLY(TYPE 5)	EACH	1
10.)	209-40.46	CATCH BASIN FILTER ASSEMBLY(TYPE 6)	EACH	84
10.)	209-40.47	CATCH BASIN FILTER ASSEMBLY(TYPE 7)	EACH	39
10.)	209-65.03	TEMPORARY DIVERSION CHANNEL	L.F.	431
	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	117606
	303-01.01	GRANULAR BACKFILL (ROADWAY)	TON	391
11.)	303-01.03	GRANULAR BACKFILL (RETAINING WALLS)	TON	68
10.)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	773
11.)	303-10.03	MINERAL AGGREGATE (SIZE 68)	TON	39
	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	1911
	307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	22594
	307-02.02	ASPHALT CEMENT (PG70-22)(BPMB-HM) GRADING A-S	TON	548
	307-02.03	AGGREGATE (BPMB-HM) GRADING A-S MIX	TON	16301
	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	16226
	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	246
	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	942
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	140
	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER	TON	883
	411-01.10	ACS MIX(PG64-22) GRADING D	TON	2307
	411-02.10	ACS MIX(PG70-22) GRADING D	TON	9467
	411-12.02	SCORING SHOULDERS (NON-CONTINUOUS) (16IN WIDTH)	L.M.	2
	415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	5707
11.)	604-01.01	CLASS A CONCRETE (ROADWAY)	C.Y.	187
	604-02.01	CLASS A CONCRETE (BOX BRIDGES)	C.Y.	95

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	604-03.02	STEEL BAR REINFORCEMENT (BRIDGES)	LB.	21644
	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	17098
	607-05.02	24" CONCRETE PIPE CULVERT (CLASS III)	L.F.	1922
	607-06.02	30" CONCRETE PIPE CULVERT (CLASS III)	L.F.	437
	607-09.02	48" CONCRETE PIPE CULVERT (CLASS III)	L.F.	80
	611-07.31	18IN ENDWALL (SIDE DRAIN)	EACH	34
	611-07.54	18IN ENDWALL (CROSS DRAIN) 3:1	EACH	15
	611-07.56	18IN ENDWALL (CROSS DRAIN) 6:1	EACH	2
	611-07.57	24IN ENDWALL (CROSS DRAIN) 3:1	EACH	3
	611-07.58	24IN ENDWALL (CROSS DRAIN) 4:1	EACH	1
	611-07.60	30IN ENDWALL (CROSS DRAIN) 3:1	EACH	1
	611-07.61	30IN ENDWALL (CROSS DRAIN) 4:1	EACH	1
	611-12.01	CATCH BASINS, TYPE 12, 0' - 4' DEPTH	EACH	37
	611-12.02	CATCH BASINS, TYPE 12, > 4' - 8' DEPTH	EACH	35
	611-12.03	CATCH BASINS, TYPE 12, > 8' - 12' DEPTH	EACH	17
	611-12.04	CATCH BASINS, TYPE 12, > 12' - 16' DEPTH	EACH	6
	611-14.01	CATCH BASINS, TYPE 14, 0' - 4' DEPTH	EACH	11
	611-14.02	CATCH BASINS, TYPE 14, > 4' - 8' DEPTH	EACH	16
	611-14.03	CATCH BASINS, TYPE 14, > 8' - 12' DEPTH	EACH	4
	611-14.04	CATCH BASINS, TYPE 14, > 12' - 16' DEPTH	EACH	1
	611-38.01	CATCH BASINS, TYPE 38, 0' - 4' DEPTH	EACH	1
	611-42.01	CATCH BASINS, TYPE 42, 0' - 4' DEPTH	EACH	1
	611-42.02	CATCH BASINS, TYPE 42, > 4' - 8' DEPTH	EACH	1
	611-42.03	CATCH BASINS, TYPE 42, > 8' - 12' DEPTH	EACH	2
10.)	621-03.02	18" TEMPORARY DRAINAGE PIPE	L.F.	444
10.)	621-03.04	30" TEMPORARY DRAINAGE PIPE	L.F.	220
	701-01.02	CONCRETE SIDEWALK (6 ")	S.F.	55155
	701-02.03	CONCRETE HANDICAP RAMP	S.F.	9555
	702-03	CONCRETE COMBINED CURB & GUTTER	C.Y.	700
	705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	406
	705-04.03	GUARDRAIL TERMINAL (TYPE 13)	EACH	1
	705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	5
8.)	705-04.09	EARTH PAD FOR TYPE 38 GR END TREATMENT	EACH	5
10.)	705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	92
	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	2501
10.)	705-09.07	REPOSITIONING IMPACT ATTENUATOR (NCHRP350 TL-3)	EACH	109
10.)	708-02.01	MARKERS (CONCRETE R.O.W. POSTS)	EACH	154
10.)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	1457
	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	3316
	709-05.08	MACHINED RIP-RAP (CLASS B)	TON	696
5.)	710-02	AGGREGATE UNDERDRAINS (WITH PIPE)	L.F.	22886
	712-01	TRAFFIC CONTROL	LS	1
10.)	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	15480
10.)	712-02.36	REMOVE AND RELOCATE PORTABLE BARRIER RAIL	L.F.	14560
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	521
	712-06	SIGNS (CONSTRUCTION)	S.F.	2547
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	1214
	712-08.03	ARROW BOARD (TYPE C)	EACH	1
	712-09.04	REMOVABLE PAVEMENT MARKING (STOP LINE)	L.F.	20
	713-02.36	FLEXIBLE BARRIER DELINEATOR	EACH	43
	713-11.01	"U" SECTION STEEL POSTS	LB.	720
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	984
9.)	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	133
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	291
	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
	713-16.07	END OF ROADWAY SIGN AND SUPPORT	EACH	2
7.)	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	3
6.)	716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	905
	716-01.13	RAISED PVMT MARKERS (BI-DIRECTIONAL) (2 COLOR LENS)	EACH	289
	716-01.21	SNWPLWBLE PVMT MRKRS (Bi-Dir)(1 Color)	EACH	423
	716-01.23	SNWPLWBLE PVMT MRKRS (Bi-Dir)(2 Color)	EACH	403
	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	88
	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	410

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ESTIMATED ROADWAY QUANTITIES

SHEET 1 OF 2

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	2A

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

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	38
	716-02.08	PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.	200
	716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	160
	716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	1
	716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	1
	716-04.14	PLASTIC PAVEMENT MARKING (LANE REDUCTION ARROW)	EACH	2
	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	34.3
	716-05.04	PAINTED PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y.	175
	716-05.05	PAINTED PAVEMENT MARKING (STOP LINE)	L.F.	774
	716-05.06	PAINTED PAVEMENT MARKING (TURN LANE ARROW)	EACH	45
	716-05.11	PAINTED PAVEMENT MARKING(STRAIGHT ARROW)	EACH	2
	716-05.21	PAINTED PAVEMENT MARKING(4"DOTTED LINE)	L.F.	400
5.)	716-05.22	PAINTED PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	160
5.)	716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	42243
5.)	716-08.04	STRIPING)	S.Y.	107
	716-08.05	REMOVAL OF PAVEMENT MARKING (STOP LINE)	L.F.	60
	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	19.9
10.)	717-01	MOBILIZATION	LS	1
10.)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	11332
	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	4840
	740-11.03	TEMPORARY SEDIMENT TUBE 18IN (DESCRIPTION)	L.F.	13530
1.)	801-01	SEEDING (WITH MULCH)	UNIT	153
	801-01.02	CROWN VETCH MIXTURE (WITH MULCH)	UNIT	154
3.)	801-02	SEEDING (WITHOUT MULCH)	UNIT	67
	801-03	WATER (SEEDING & SODDING)	M.G.	2443
	801-07	SEED (SUPPLEMENTAL APPLICATION)	LB.	34
	801-07.01	CROWN VETCH SEED (SUPPLEMENTAL APPLICATION)	LB.	35
	801-08	FERTILIZER (SUPPLEMENTAL APPLICATION)	TON	1
	802-11.02	ACER RUBRUM (RED MAPLE 2-5FT CNTNR GRWN)	EACH	7
	802-11.39	QUERCUS RUBRA (NORTHERN RED OAK 2-5FT CNTNR GRWN)	EACH	8
	802-12.01	ACER NEGUNDO (BOX ELDER SEEDLNG B.R.)	EACH	8
	802-12.02	ACER RUBRUM (RED MAPLE SEEDLNG B.R.)	EACH	7.00
	802-12.40	SALIX NIGRA (BLACK WILLOW SEEDLNG B.R.)	EACH	8
2.)	803-01	SODDING (NEW SOD)	S.Y.	25521
	805-01.02	TURF REINFORCEMENT MAT (CLASS II)	S.Y.	1859
10.)	805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.	9962
4.)	806-02.03	PROJECT MOWING	CYCL	6

FOOTNOTES

1.) ITEM NO.801-01.02, CROWN VETCH MIXTURE(WITH MULCH), AND DESCRIPTION SHALL BE USED ON SLOPES 3H:1V OR STEEPER AND OTHER AREAS, AS INDICATED IN THE PLANS, THAT ARE INACCESSIBLE FOR MOWING.
2.) INCLUDES 732 S.Y. FOR DITCHES.
3.) INCLUDES 188 THOUSAND GALLONS FOR EROSION PREVENTION AND SEDIMENT CONTROL.
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.) ANY ADDITIONAL REMOVAL OF PAVEMENT MARKINGS WILL BE PAID FOR UNDER ITEM 712-01
6.) CLEAR/RED
7.) YELLOW
8.) THIS ITEM SHALL BE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIRMENTS 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 MANUFACTURER'S DRAWING.
9.) REMOVE SIGN FACE AND SUPPORT (NO FOOTINGS ON THESE SIGNS) ON SIGN NO'S. 1 & 2 AND APPROXIMATELY 30 EXISTING SIGNS AND SUPPORTS WITHIN THE GRADING LIMITS OF THE PROJECT AND ANY OTHER CONFLICTING SIGNING OR AS DIRECTED BY THE ENGINEER.
10.) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT AND ALL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.
11.) QUANTITIES INCLUDED FOR RETAINING WALL. (SEE SHEET 2F FOR DETAILS)
12.) BID PRICE INCLUDES ALL SALVAGE VALUE OF MATERIAL. SEE TABULATED QUANTITIES SHEET NO. 2T FOR REMOVAL OF BUILDINGS AND OBSTRUCTIONS DESCRIPTION BLOCK.

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DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

SHEET 2 OF 2

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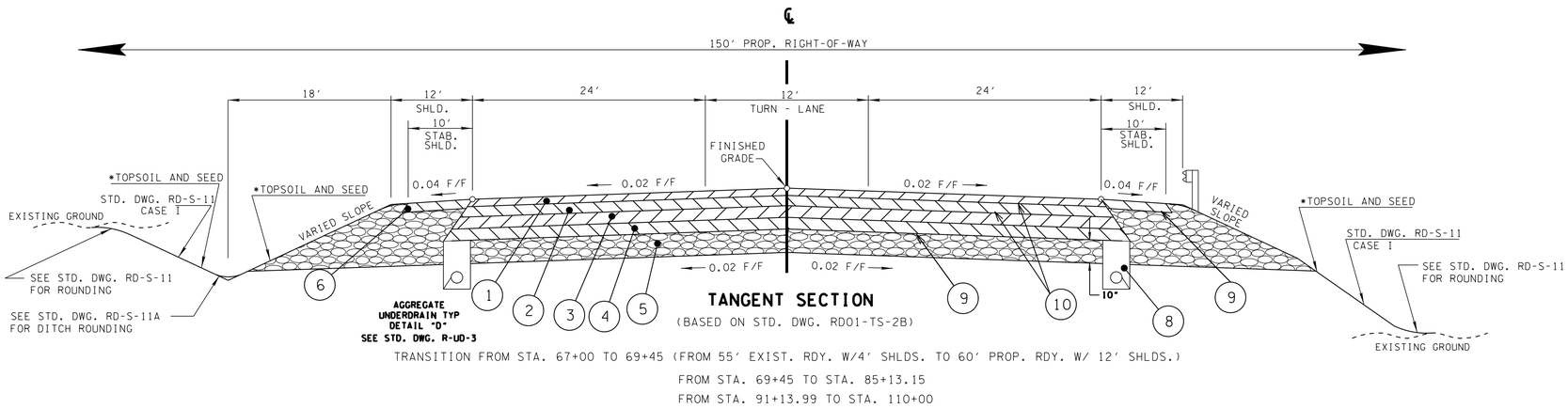
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

REV. 11-26-12- UPDATED TYPICALS.
REV. 5-22-13- UPDATED YEAR.
ADDED COLD PLANING TYPICAL.
REVISED STATIONING. UPDATE
TYPICALS. REMOVE PHASE 2.
ADDED GRADED SOLID ROCK DETAIL.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	2
CONST	2015	STP-101(16)	2D



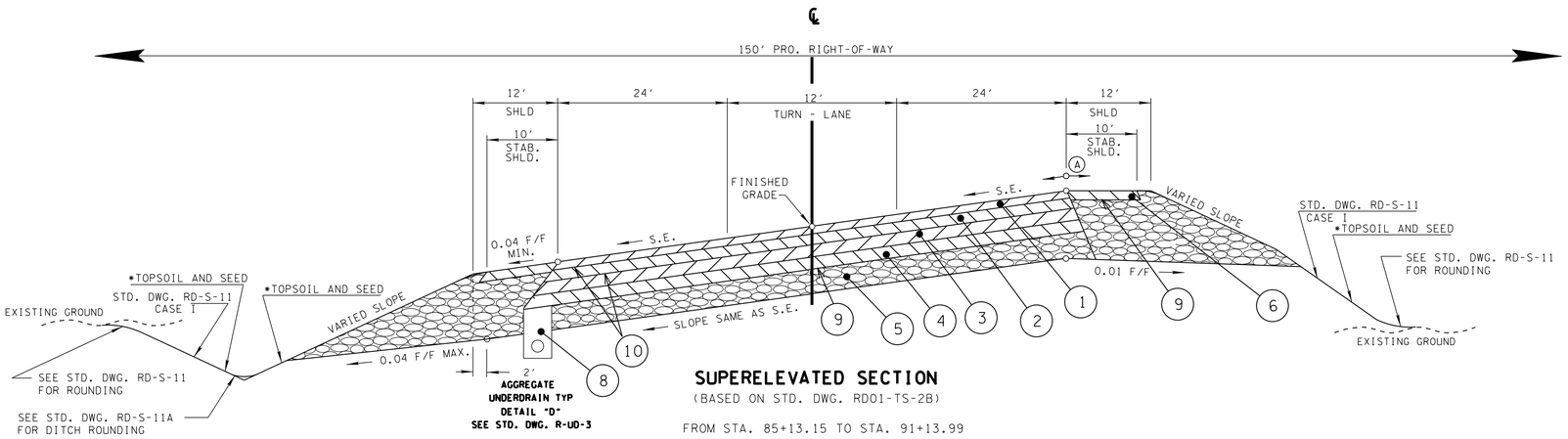
TANGENT SECTION

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

TRANSITION FROM STA. 67+00 TO 69+45 (FROM 55' EXIST. RDY. W/4' SHLDS. TO 60' PROP. RDY. W/ 12' SHLDS.)

FROM STA. 69+45 TO STA. 85+13.15

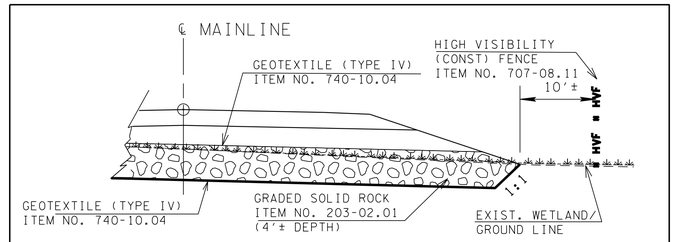
FROM STA. 91+13.99 TO STA. 110+00



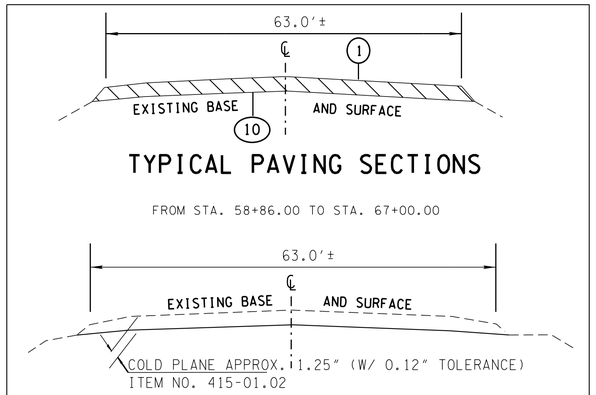
SUPERELEVATED SECTION

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

FROM STA. 85+13.15 TO STA. 91+13.99



DETAIL OF GRADED SOLID ROCK PAD IN WETLAND AREAS UNDER MAINLINE



TYPICAL PAVING SECTIONS

FROM STA. 58+86.00 TO STA. 67+00.00

COLD PLANING DETAILS

FROM STA. 58+86.00 TO STA. 67+00.00

PROPOSED PAVEMENT SCHEDULE

(1) ASPHALTIC CONCRETE SURFACE GRADING "D"
- 1.25" THICK (APPROX. 132.5 LBS/ SQ YD)
- 411-02.10 ACS MIX(PG70-22) GRADING D

(2) BITUMINOUS BINDER GRADING "BM-2"
- 2.00" THICK (APPROX. 226.0 LBS/ SQ YD)
- 307-02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING BM-2

(3) BITUMINOUS BASE (HOT MIX) GRADING "A"
- 3" THICK (APPROX. 345 LBS/ SQ YD)
- 307-02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A
- *SEE NOTE

(4) BITUMINOUS BASE (HOT MIX) GRADING "A-S"
- 3" THICK (APPROX. 270 LBS/ SQ YD)
- 307-02.02 ASPHALT CEMENT (PG70-22)(BPMB-HM) GRADING A-S
- 307-02.03 AGGREGATE (BPMB-HM) GRADING A-S MIX

(5) MINERAL AGGREGATE BASE
- 10" THICK (APPROX. 902 LBS/SQ YD
- 303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"

(6) ASPHALTIC CONCRETE SURFACE (SHOULDER) GRADING "E"
- 1.5" THICK (APPROX. 154.5 LBS/ SQ YD)
- 411-01.07 ASPHALT CONCRETE MIX (PG64-22) (ACS) GRADING E

(8) UNDERDRAINS
- 710-02 AGGREGATE UNDERDRAIN (WITH PIPE)

(9) PRIME COAT
- 402-01 BITUMINOUS MAT. FOR PRIME COAT (PC) @ 0.3-0.35 GAL/SY
- 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 8-12 LB/SY

(10) TACK COAT
- 403-01 BITUMINOUS MAT. FOR TACK COAT (TC) @ 0.07 GAL/SY (GENERAL USE)
- 403-01 BITUMINOUS MAT. FOR TACK COAT (TC) @ 0.10 GAL/SY (MILLING-COLD PLANE)

(*) IF WIDENING ON HIGH SIDE OF SUPERELEVATED SECTION, SUBSTITUTE "A-S" MIX WITH "A" MIX

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

* 3:1 OR STEEPER SLOPES USE ITEM NO.801-01.02 CROWN VETCH MIXTURE (W/MULCH)

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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.	2010	STP-101(16)	2A
CONST	2015	STP-101(16)	2E

REV. 11-26-12- REVISED TYPICALS
REV. 5-22-13- UPDATED YEAR.
REMOVED TYPICALS FOR PHASE 2.
REVISED STATIONING.
ADDED TYPICAL. UPDATED TYPICAL.
REVISED STATIONS. REMOVE
PHASE 2.
REV. 07-07-14- REVISED SE TYP
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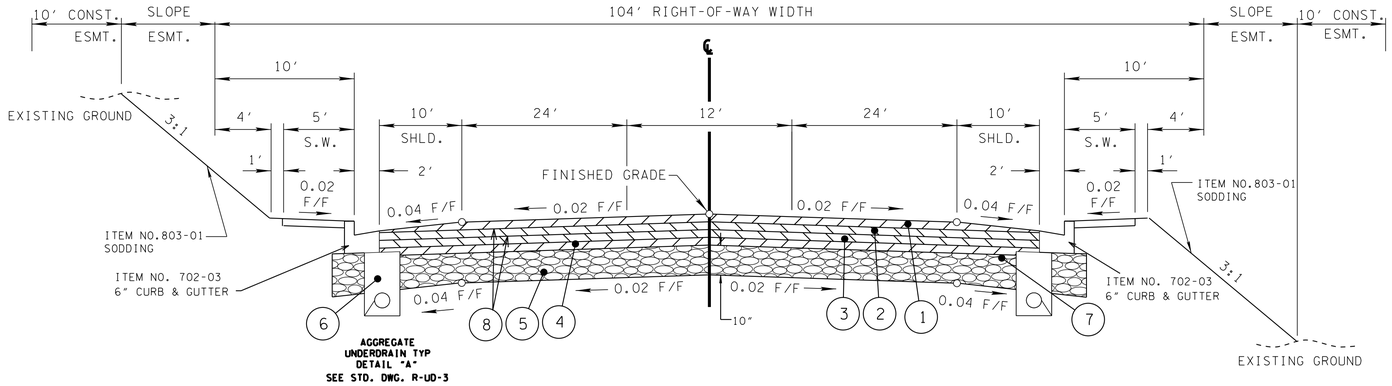
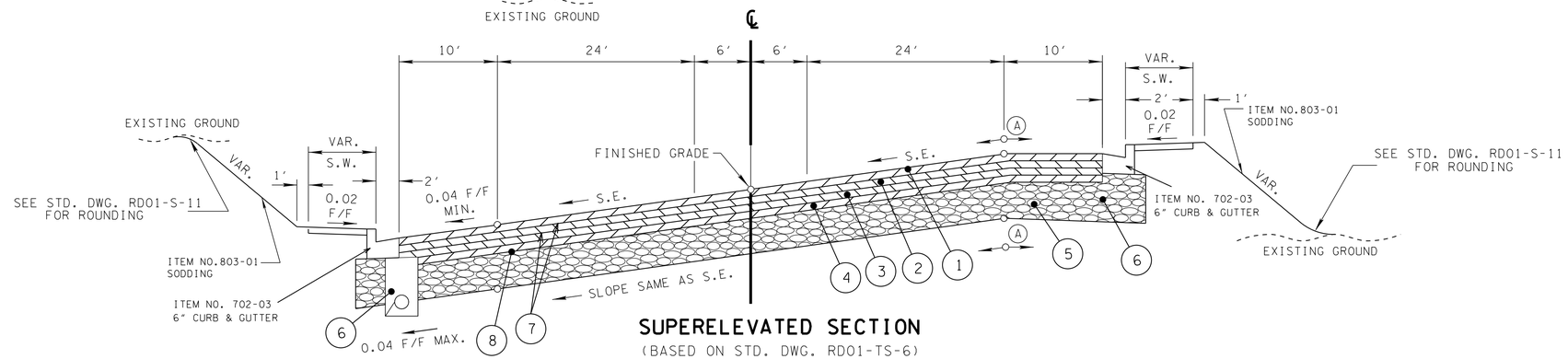


TANGENT SECTION

(BASED ON STD. DWG. RD01-TS-6)

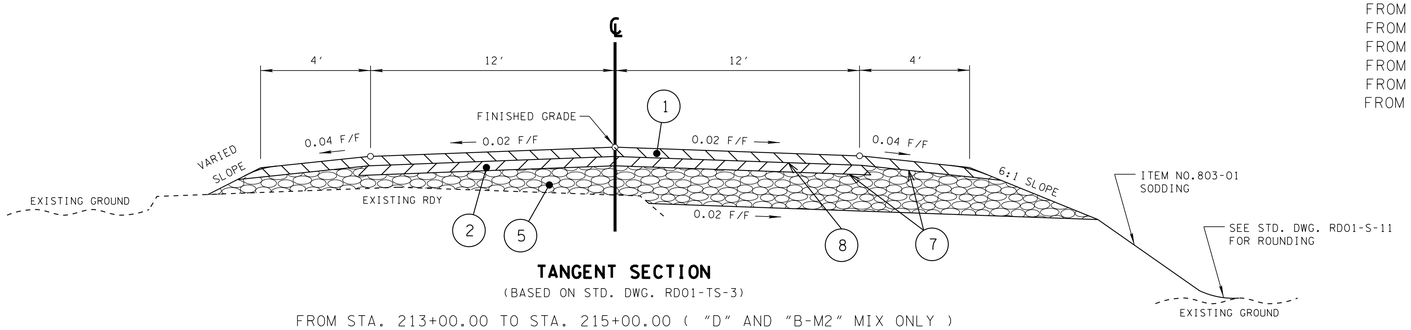
FROM STA. 110+00.00 TO STA. 115+89.66
FROM STA. 115+89.66 TO STA. 124+60.50
FROM STA. 135+47.59 TO STA. 145+67.02
FROM STA. 153+93.69 TO STA. 174+22.01
FROM STA. 182+24.79 TO STA. 184+23.92
FROM STA. 197+73.92 TO STA. 200+48.55
FROM STA. 212+55.22 TO STA. 215+00.00



SUPERELEVATED SECTION

(BASED ON STD. DWG. RD01-TS-6)

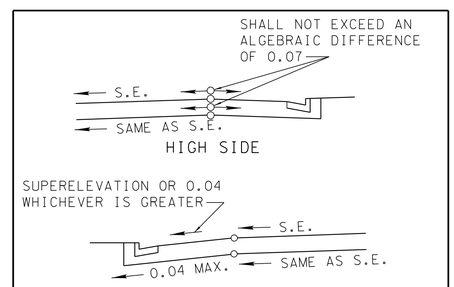
FROM STA. 115+89.66 TO STA. 124+29.33
FROM STA. 124+60.50 TO STA. 135+47.59
FROM STA. 145+67.02 TO STA. 153+93.69
FROM STA. 174+22.01 TO STA. 182+24.79
FROM STA. 184+23.92 TO STA. 197+73.92
FROM STA. 200+48.55 TO STA. 212+55.22



TANGENT SECTION

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

FROM STA. 213+00.00 TO STA. 215+00.00 ("D" AND "B-M2" MIX ONLY)
FROM STA. 215+00.00 TO STA. 218+62.00



SUPERELEVATION DETAIL FOR SHOULDERS

(BASED ON STD. DWG. RD-TS-6)

FROM STA. 115+89.66 TO STA. 124+29.33
FROM STA. 124+60.50 TO STA. 135+47.59
FROM STA. 145+67.02 TO STA. 153+93.69
FROM STA. 174+22.01 TO STA. 182+24.79
FROM STA. 184+23.92 TO STA. 197+73.92
FROM STA. 200+48.55 TO STA. 212+55.22

PROPOSED PAVEMENT SCHEDULE

(1) ASPHALTIC CONCRETE SURFACE GRADING "D" 1.25" THICK (APPROX. 132.5 LBS/ SQ YD) 411-02.10 ACS MIX(PG70-22) GRADING D	(5) MINERAL AGGREGATE BASE 10" THICK (APPROX. 902 LBS/SQ YD 303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"
(2) BITUMINOUS BINDER GRADING "BM-2" 2.00" THICK (APPROX. 226.0 LBS/ SQ YD) 307-02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING BM-2	(6) UNDERDRAINS 710-02 AGGREGATE UNDERDRAIN (WITH PIPE)
(3) BITUMINOUS BASE (HOT MIX) GRADING "A" 3" THICK (APPROX. 345 LBS/ SQ YD) 307-02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A *SEE NOTE	(7) PRIME COAT 402-01 BITUMINOUS MAT. FOR PRIME COAT (PC) @ 0.3-0.35 GAL/SY 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 8-12 LB/SY
(4) BITUMINOUS BASE (HOT MIX) GRADING "A-S" 3" THICK (APPROX. 270 LBS/ SQ YD) 307-02.02 ASPHALT CEMENT (PG70-22)(BPMB-HM) GRADING A-S 307-02.03 AGGREGATE (BPMB-HM) GRADING A-S MIX	(8) TACK COAT 403-01 BITUMINOUS MAT. FOR TACK COAT (TC) @ 0.07 GAL/SY

(*) IF WIDENING ON HIGH SIDE OF SUPERELEVATED SECTION, SUBSTITUTE "A-S" MIX WITH "A" MIX

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

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TYPICAL SECTIONS

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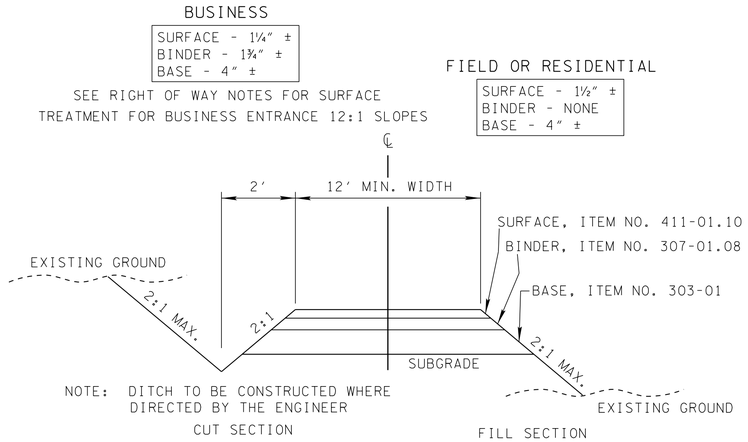
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

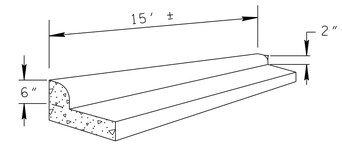
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	2B
CONST	2015	STP-101(16)	2F

REV. 11-26-12- REVISED TYPICALS.

REV. 5-22-13- UPDATE YEAR.
UPDATED TYPICALS. ADDED DETAILS.
REMOVE PHASE 2.



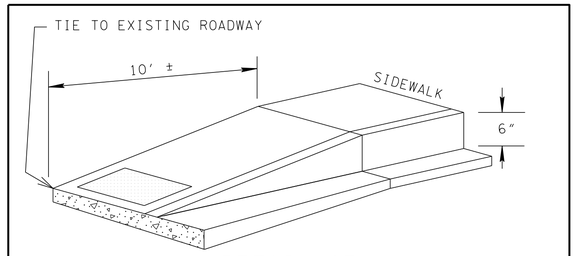
TYPICAL SECTION
PRIVATE DRIVE TO BUSINESS,
FIELD, OR RESIDENTIAL PROPERTY



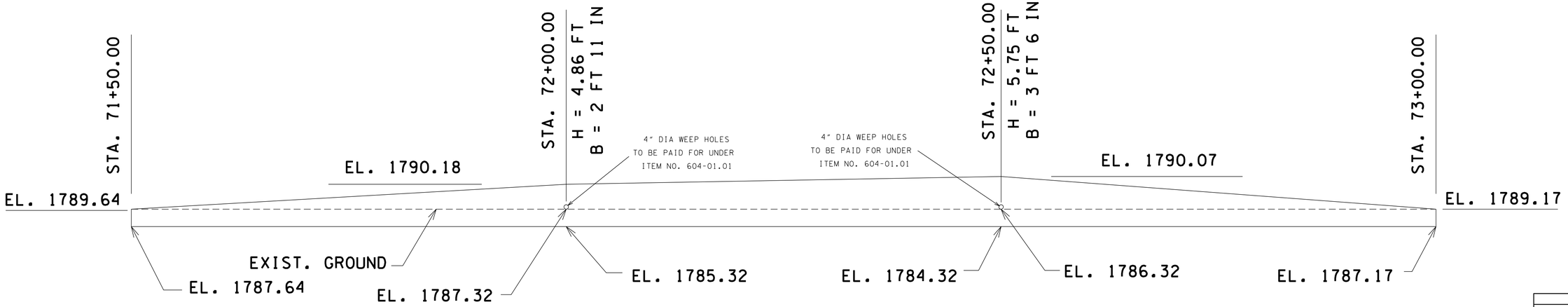
DETAIL OF CURB TAPER
AT BEGIN AND END OF
PROPOSED CURB & GUTTER
NOT TO SCALE

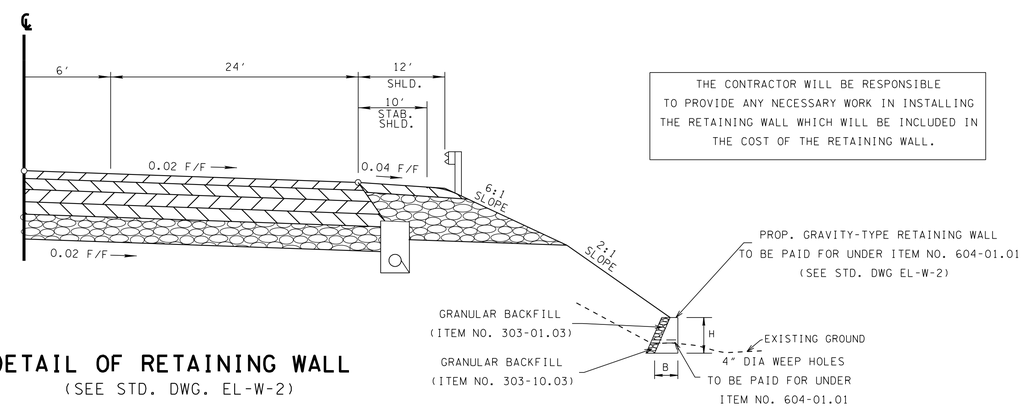
(*) IF WIDENING ON HIGH SIDE OF SUPERELEVATED SECTION, SUBSTITUTE "A-S" MIX WITH "A" MIX

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



DETAIL OF
PROPOSED 10' TRANSITION





DETAIL OF RETAINING WALL
(SEE STD. DWG. EL-W-2)

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DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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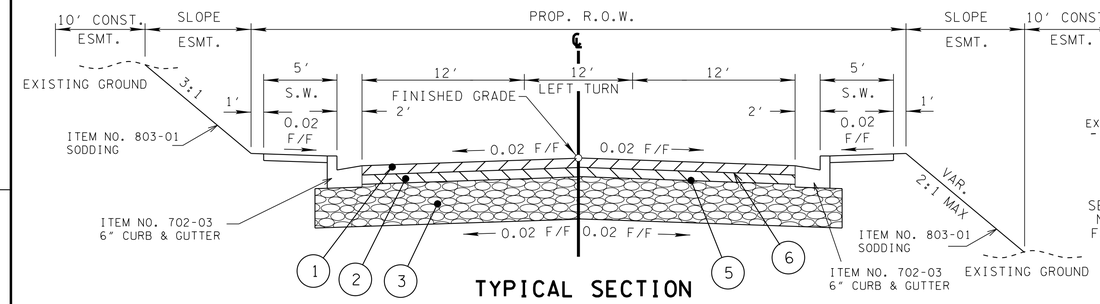
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

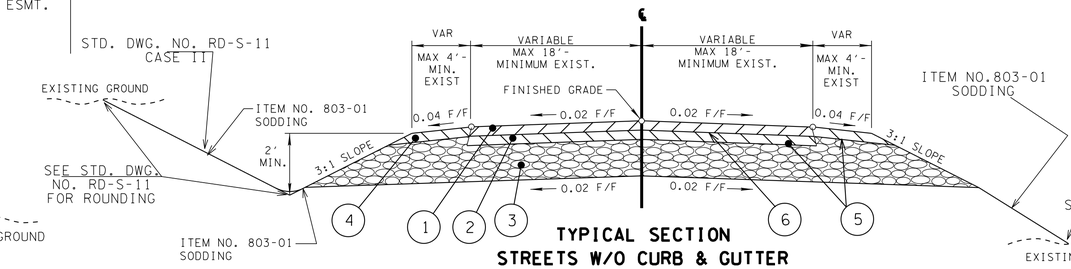
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	2C
CONST	2015	STP-101(16)	2G



TYPICAL SECTION
STREETS WITH CURB & GUTTER

(BASED ON STD. DWG. RD01-TS-6A)

STONE LOOP RD. (RT STA. 120+16.06) - STA 30+40 TO STA. 30+95
CHERRY BRANCH RD. (RT STA. 134+30.00) - STA 30+40 TO STA. 30+85
FENCE LN. (RT STA. 140+39.00) - STA 10+40 TO STA. 10+70
SHORTY BARNES RD. (RT STA. 163+10.00) - STA 30+94 TO STA. 31+50
FAIRVIEW DR. (RT STA. 169+35.00) - STA 30+47 TO STA. 30+90
FAIRVIEW ROAD (RT STA. 189+56.86) - STA 50+30 TO STA. 50+70
TOWNE CENTRE DRIVE (LT. STA. 212+57.41) - STA. 54+55 TO STA. 53+82



TYPICAL SECTION
STREETS W/O CURB & GUTTER

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

FIRETOWER RD. (LT STA. 70+00.00) - STA 25+00 TO STA 28+83
STONE LOOP RD. (RT STA. 98+80.00) - STA 30+42 TO STA 33+10
STONE LOOP RD. (RT STA. 120+16.06) - STA 30+95 TO STA 33+10
CHERRY BRANCH RD. (RT STA. 134+30.00) - STA 30+85 TO STA 33+00
FENCE LN. (RT STA. 140+39.00) - STA 10+70 TO STA 12+65
SHORTY BARNES RD. (RT STA. 163+10.00) - STA 31+50 TO STA 33+70
FAIRVIEW DR. (RT STA. 169+35.00) - STA 30+90 TO STA 33+20
FAIRVIEW ROAD (RT STA. 189+56.86) - STA 50+70 TO STA 54+00
SPRING LAKE DR. (RT. STA. 31+45 OFF ST. GEORGE RD.) - STA 7+75 TO STA 9+82

REV 11-26-12- UPDATED TYPICAL SHEET
REV. 5-22-13- UPDATED TYPICAL SHEET

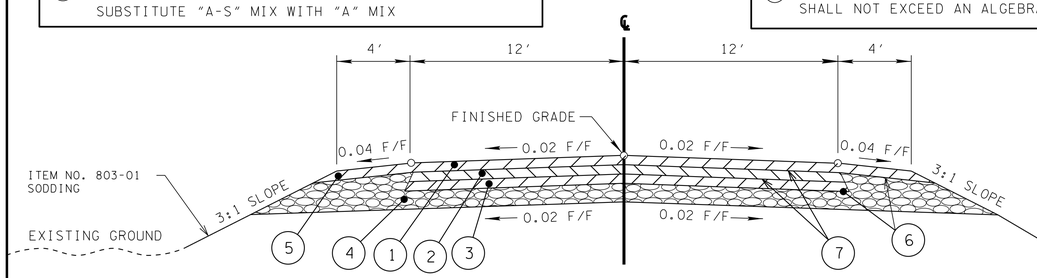
REV XX-XX-13- UPDATE YEAR.
REMOVE SIDE ROADS FROM PHASE 2.
ADDED TYPICAL FOR ST GEORGE RD.
UPDATE TYPICALS.
REMOVE PHASE 2.

PROPOSED PAVEMENT SCHEDULE

(1) ASPHALTIC CONCRETE SURFACE GRADING "D" 1.25" THICK (APPROX. 132.5 LBS/ SQ YD) 411-02.10 ACS MIX(PG70-22) GRADING D	(3) MINERAL AGGREGATE BASE 10" THICK (APPROX. 902 LBS/SQ YD 303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"	(5) PRIME COAT 402-01 BITUMINOUS MAT. FOR PRIME COAT (PC) @ 0.3-0.35 GAL/SY 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 8-12 LB/SY
(2) BITUMINOUS BINDER GRADING "BM-2" 2.00" THICK (APPROX. 226.0 LBS/ SQ YD) 307-02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING BM-2	(4) ASPHALTIC CONCRETE SURFACE (SHOULDER) GRADING "E" 1.5" THICK (APPROX. 154.5 LBS/ SQ YD) 411-01.07 ASPHALT CONCRETE MIX (PG64-22) (ACS) GRADING E	(6) TACK COAT 403-01 BITUMINOUS MAT. FOR TACK COAT (TC) @ 0.07 GAL/SY (GENERAL USE)

(*) IF WIDENING ON HIGH SIDE OF SUPERELEVATED SECTION, SUBSTITUTE "A-S" MIX WITH "A" MIX

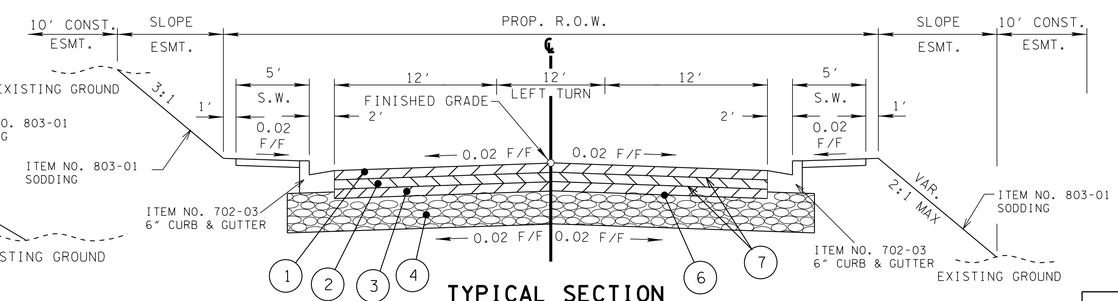
(A) THE SLOPES OF THE SHOULDER AND ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 0.07.



TANGENT SECTION

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

ST. GEORGE RD. (RT STA. 200+75.00) - STA 31+99 TO STA 34+40



TYPICAL SECTION
STREETS WITH CURB & GUTTER

(BASED ON STD. DWG. RD01-TS-6A)

ST. GEORGE RD. (RT STA. 200+75.00) - STA 30+30 TO STA. 31+99

PROPOSED PAVEMENT SCHEDULE

(1) ASPHALTIC CONCRETE SURFACE GRADING "D" 1.25" THICK (APPROX. 132.5 LBS/ SQ YD) 411-02.10 ACS MIX(PG70-22) GRADING D	(4) MINERAL AGGREGATE BASE 6" THICK (APPROX. 541.2 LBS/SQ YD 303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"	(6) PRIME COAT 402-01 BITUMINOUS MAT. FOR PRIME COAT (PC) @ 0.3-0.35 GAL/SY 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 8-12 LB/SY
(2) BITUMINOUS BINDER GRADING "BM-2" 2.00" THICK (APPROX. 226.0 LBS/ SQ YD) 307-02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING BM-2	(5) ASPHALTIC CONCRETE SURFACE (SHOULDER) GRADING "E" 1.5" THICK (APPROX. 154.5 LBS/ SQ YD) 411-01.07 ASPHALT CONCRETE MIX (PG64-22) (ACS) GRADING E	(7) TACK COAT 403-01 BITUMINOUS MAT. FOR TACK COAT (TC) @ 0.07 GAL/SY (GENERAL USE)
(3) BITUMINOUS BASE (HOT MIX) GRADING "A" 3" THICK (APPROX. 345 LBS/ SQ YD) 307-02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A *SEE NOTE		

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

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TYPICAL SECTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	2H

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

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. 801-01.02 SHALL BE USED ON SLOPES 3:1 OR STEEPER AND OTHER AREAS AS INDICATED IN THE PLANS THAT ARE INACCESSIBLE FOR MOWING.

(4) ITEM NO. 801-01, 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) 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.

(3) 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.

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

DRAINAGE

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

(2) EXCAVATION FOR PROPOSED 6' X 4' BOX 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.

MISCELLANEOUS

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

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

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

PAVEMENT MARKINGS

TEMPORARY PAVEMENT 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. 716-05.01, PAINTED PAVEMENT MARKING (4" LINE), L.M.

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DEPARTMENT OF TRANSPORTATION

GENERAL NOTES
AND
SPECIAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	2J

GENERAL NOTES CONTINUED…

FINAL PAVEMENT MARKING IF 6" ENHANCED FLATLINE THERMOPLASTIC IS USED

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

DETOURS, LANE SHIFTS AND MEDIAN CROSS-OVERS

(3) THE PAVEMENT MARKING ON THE LANE SHIFT FOR SR-101 ON PHASE 2 WILL BE INSTALLED AND MAINTAINED TO THE SAME STANDARDS AS FOR PERMANENT MARKINGS ON THE MAIN ROADWAY. THESE MARKINGS SHALL BE IN PLACE PRIOR TO ALLOWING TRAFFIC ONTO THE PAVEMENT. THESE PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.01, LIN. MI.

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

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.

RESURFACING

(3) WHERE DIRECTED BY THE TDOT ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SHAPE PUBLIC SIDE ROADS, BUSINESS ENTRANCES, AND PRIVATE DRIVES, AS WELL AS CLEANING OF EXISTING DRAINS BEFORE PLACING MATERIALS. ALL COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.

(4) ALL PUBLIC SIDE ROADS SHALL BE PAVED ONE PAVER WIDTH THROUGH THE INTERSECTION AS A MINIMUM. A SATISFACTORY TRANSITION FROM THE NEW PAVEMENT TO THE EXISTING GRADE OF THE INTERSECTING PUBLIC ROAD OR BUSINESS ENTRANCE SHALL BE PROVIDED. SHOULD THE PAVEMENT OF THE INTERSECTING PUBLIC ROAD BE DISTRESSED, THE RESURFACING WIDTH MAY BE INCREASED TO THE NORMAL RIGHT OF WAY LINE.

(5) PRIVATE DRIVEWAYS, FIELD ENTRANCES, AND BUSINESS ENTRANCES WILL BE RESURFACED A PAVER WIDTH (LANE WIDTH) AS A MINIMUM. A PAVEMENT TAPER TO TRANSITION THE NEW PAVEMENT SHALL BE REQUIRED, IT SHALL BE BASED ON AN ADDITIONAL ONE FOOT OF WIDTH PER ONE INCH DEPTH OF PAVEMENT. IF THE SHOULDER IS NARROW ENOUGH THAT THE SUM OF THE SHOULDER AND THE TRANSITION ARE LESS THAN A PAVER WIDTH, THE TRANSITION SHALL OCCUR WITHIN THE PAVER WIDTH. IF THE SUM OF THE SHOULDER AND THE TRANSITION IS GREATER THAN A PAVER WIDTH (LANE WIDTH), THE TRANSITION SHALL OCCUR OUTSIDE OF THE PAVER WIDTH.

(6) IN ALL CASES, THE LENGTH OF THE PAVEMENT TRANSITION, THE THICKNESS AND WIDTH OF THE RESURFACING AND ANY ADDITIONAL PAVEMENT MATERIALS SHALL BE AS DIRECTED BY THE TDOT ENGINEER.

SIGNING

(1) THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL FLAT SHEET SIGNS SHALL BE APPLIED BY SILK SCREENING PROCESS, EXCEPT THAT CUTOUT DIRECT APPLIED COPY SHALL BE USED ON ALL FLAT SHEET SIGNS WITH A GREEN BACKGROUND. THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL EXTRUDED PANEL SIGNS SHALL BE DEMOUNTABLE AND ATTACHED TO THE SIGN FACE, AS OUTLINED IN THE STANDARD SPECIFICATIONS. ALL SHIELDS ON GUIDE SIGNS SHALL BE DEMOUNTABLE AND ATTACHED TO THE SIGN FACE AS OUTLINED IN THE STANDARD SPECIFICATIONS.

(2) THE LENGTHS OF ALL SIGN SUPPORTS SHOWN ON THE SIGN SCHEDULE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THE LENGTHS WERE COMPUTED FROM THE CROSS-SECTIONS CONTAINED IN THE CONSTRUCTION PLANS. IN THE EVENT THE SUPPORT LENGTHS ARE 2 FEET SHORTER OR LONGER THAN SHOWN ON THE PLANS, THE ENGINEER SHALL VERIFY THE SUPPORT TYPE WITH THE ROADWAY DESIGN DIVISION, SIGNING AND MARKING SECTION, TELEPHONE NO. (615)-741-0982. THE CONTRACTOR SHALL VERIFY ALL SUPPORT LENGTHS AT THE SITE PRIOR TO ORDERING MATERIAL.

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

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

(5) THE CONTRACTOR SHALL BE REQUIRED TO FURNISH LAYOUT DRAWINGS (3 SETS) OF ALL EXTRUDED PANEL SIGNS WITH SPACING OF ALL LETTERS, NUMERALS, SHIELDS, AND ARROWS. THE LAYOUT DRAWINGS SHALL BE SENT TO THE ROADWAY DESIGN DIVISION, SIGNING AND MARKING SECTION, SUITE 1300, J. K. POLK BUILDING, NASHVILLE, TN 37243-1402.

(6) 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.

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

(8) 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.

(9) 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.

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

TRAFFIC CONTROL DIRECTIONAL SIGNING

(1) ON ALL ACCESS CONTROLLED AND INTERSTATE RECONSTRUCTION AND NEW CONSTRUCTION PROJECTS, THE CONTRACTOR SHALL UTILIZE ALL EXISTING DIRECTIONAL SIGNING FOR AS LONG AS POSSIBLE. THESE EXISTING SIGNS CAN BE MOVED USING TEMPORARY SUPPORTS AS NEEDED. AS SOON AS THESE EXISTING DIRECTIONAL SIGNS COME DOWN PERMANENTLY, THE CONTRACTOR SHALL HAVE UP AT LEAST ONE NEW TEMPORARY "ADVANCE GUIDE SIGN" AND ONE NEW TEMPORARY "EXIT DIRECTIONAL SIGN" AT ALL EXIT RAMPS. THESE SIGNS ARE TO BE MAINTAINED WITHIN CLEAR VIEW OF THE PUBLIC ON THE RIGHT SIDE OF THE HIGHWAY AND SHALL BE REPLACED IF DAMAGED, DURING ALL PHASES OF CONSTRUCTION, AS DIRECTED BY THE ENGINEER.

(2) THE SIZE OF THESE NEW TEMPORARY SIGNS WILL BE DETERMINED BY THE MESSAGE. THE MESSAGE SHALL BE THE SAME AS THE EXISTING SIGN THAT THESE NEW TEMPORARY SIGNS WILL BE REPLACING. THE LETTER SIZE SHALL BE A MINIMUM OF 8 INCH, "D" UPPER CASE LETTER. THE DIRECTIONAL ARROW WILL BE A "B" ARROW AT A 45 DEGREE ANGLE (SAME ANGLE AS THE EXISTING ARROW). THE MATERIAL SHALL BE 0.100 INCH SHEET ALUMINUM; THE COLOR SHALL BE A REFLECTIVE GREEN BACKGROUND WITH REFLECTIVE WHITE COPY.

(3) ALL WORK AND MATERIAL TO MAKE THESE NEW TEMPORARY DIRECTIONAL SIGNS ALONG WITH ADEQUATE SUPPORTS AND TO MOVE THEM AS NEEDED DURING EACH PHASE OF CONSTRUCTION WILL BE PAID FOR UNDER ITEM NO. 712-01 AS DIRECTED BY THE ENGINEER.

(4) ALL EXISTING "EMERGENCY REFERENCE MARKERS" AND "HOSPITAL SIGNS" SHALL BE MAINTAINED WITHIN FULL VIEW OF THE MOTORING PUBLIC THROUGHOUT ALL PHASES OF CONSTRUCTION. ALL WORK IN MOVING AND TEMPORARY SUPPORTS SHALL BE PAID FOR UNDER ITEM NO. 712-01.

(5) WHEN "LOGO" SIGNS ARE ON ACCESS CONTROLLED AND INTERSTATE RECONSTRUCTION AND NEW CONSTRUCTION PROJECTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THESE SIGNS IN FULL VIEW TO THE MOTORING PUBLIC DURING ALL PHASES OF CONSTRUCTION.

(6) THE CONTRACTOR SHALL BE HELD RESPONSIBLE TO THE DEPARTMENT FOR THE REIMBURSEMENT OF THE SIGN FACE IF IT IS DAMAGED. ALL WORK IN MOVING THESE "LOGO" SIGNS AND THE TEMPORARY SUPPORTS ARE TO BE PAID FOR UNDER ITEM NO. 712-01, AS DIRECTED BY THE ENGINEER. THE SUPPORTS FOR THE FINAL LOCATION OF THESE SIGNS WILL BE PAID FOR UNDER OTHER ITEMS OF CONSTRUCTION.

(7) WHEN EXISTING "TOURIST ORIENTED DIRECTIONAL SIGNS" (TODS) ARE ON NON-ACCESS CONTROLLED CONSTRUCTION PROJECTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THESE SIGNS IN FULL VIEW TO THE MOTORING PUBLIC DURING ALL PHASES OF CONSTRUCTION. ALL WORK IN MOVING THESE "TODS" AND TEMPORARY SUPPORTS ARE TO BE PAID FOR UNDER ITEM NO. 712-01, AS DIRECTED BY THE ENGINEER. NEW SUPPORTS AND SIGN FACE FOR FINAL LOCATION WILL BE PAID FOR UNDER OTHER ITEMS OF CONSTRUCTION.

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 CUMBERLAND COUNTY AND SHALL BE STOCKPILED AT A LOCATION DESIGNATED BY THE ENGINEER FOR PICKUP BY THE CUMBERLAND COUNTY.

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

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

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

(6) LOOPS SHALL BE INSTALLED IN THE LEVELING COURSE IF A LEVELING COURSE IS PROVIDED.

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.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND SPECIAL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	2K

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

GENERAL NOTES CONTINUED…

(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

(7) 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.

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

(9) 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 ROADWAY 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.

(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.

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DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND SPECIAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	2L

GENERAL NOTES CONTINUED…

(28) 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.

(29) 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.

(30) 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

(31) 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

(32) 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.

(33) 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, ROADWAY 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.

(34) 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.

(35) 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 BRIEF DESCRIPTION OF THE PROJECT SHALL ALSO BE POSTED. IF POSTING THIS INFORMATION NEAR A MAIN ENTRANCE IS INFEASIBLE, THE INFORMATION SHALL BE PLACED IN A PUBLICLY ACCESSIBLE LOCATION NEAR WHERE THE CONSTRUCTION IS ACTIVELY UNDERWAY AND MOVED AS NECESSARY. THIS LOCATION SHALL BE POSTED AT THE CONSTRUCTION SITE. ALL POSTINGS SHALL BE MAINTAINED IN LEGIBLE CONDITION.

(36) 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 ROADWAY DESIGN DIVISION SHALL BE CONTACTED TO DETERMINE IF ANY PLAN REVISIONS ARE NEEDED.

(37) 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.

(38) 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.

(39) 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.

(40) 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

(41) 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.

(42) 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.

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. 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.

E. 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.

F. 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 32A, 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.

STREAM RELOCATION

(1) ONCE WATER IS DIVERTED INTO A NEWLY CONSTRUCTED AND STABILIZED RELOCATED STREAM / CHANNEL THE ECOLOGY SECTION MUST BE NOTIFIED. THE STREAM NAME, STREAM NUMBER, AND DATE THE WATER WAS DIVERTED INTO THE STREAM / CHANNEL IS TO BE SUPPLIED WITH THE NOTIFICATION

SOILS

(1) SOILS ON PLATEAU ARE COMMONLY SANDY SILTS (A-2-4, A-4, ETC.), WHICH ARE THE WEATHERING PRODUCTS OF SANDSTONE AND SHALE. CUTS ON THE JOB RARELY EXCEED 5 FEET, WHEREAS FILL DEPTHS MAY BE UP TO 10 FEET DEEP. SOME CUTS MAY INCLUDE WEATHERED SANDSTONE CHARECTERIZED BY THIN BEDS LOOSELY HELD TOGETHER AND EASILY RIPPABLE. HENCE, TREAT ALL CUTS AS SOIL SLOPES.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND SPECIAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	2M

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

CATCH BASINS

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	DEPTH (FT.)	PAY ITEMS TYPE 12 611-12.01 0' - 4'	TYPE 12 611-12.02 4' - 8'	TYPE 12 611-12.03 8' - 12'	TYPE 12 611-12.04 12' - 16'	TYPE 14 611-14.01 0' - 4'	TYPE 14 611-14.02 4' - 8'	TYPE 14 611-14.03 8' - 12'	TYPE 14 611-14.04 12' - 16'	TYPE 38 611-38.01 0' - 4'
9B	SR101	115+93.00	41.00	CB-7	1924.06	#12	5.83		1							
9B	SR101	115+93.00	-41.00	CB-3	1924.10	#14	3.76					1				
8B	SR101	113+37.00	41.00	CB-6	1928.07	#12	3.75	1								
8B	SR101	113+37.00	-41.00	CB-2	1928.07	#12	3.75	1								
8B	SR101	110+40.00	41.00	CB-5	1933.38	#12	4.22		1							
8B	SR101	110+05.00	-41.00	CB-1	1934.01	#12	3.78	1								
9B	STONE LOOP EAST	30+75.00	26.00	CB-12	1923.23	#12	6.8		1							
9B	SR101	119+50.00	43.00	CB-11	1922.93	#12	5.43		1							
9B	STONE LOOP EAST	30+85.00	-21.00	CB-13	1922.79	#14	3.76					1				
9B	SR101	118+40.00	41.00	CB-10	1923.11	#14	3.76					1				
9B	SR101	116+60.00	41.00	CB-8	1923.84	#14	3.76					1				
9B	SR101	125+35.00	41.00	CB-18	1923.22	#12	6.2		1							
9B	SR101	124+60.00	41.00	CB-16	1922.79	#14	5.23						1			
9B	SR101	121+80.00	41.00	CB-15	1922.12	#14	3.76					1				
9B	SR101	120+60.00	45.00	CB-14	1922.85	#14	3.83					1				
10B	SR101	133+75.00	41.50	CB-31	1910.10	#14	3.85					1				
10B	SR101	132+50.00	41.00	CB-30	1911.85	#12	3.75	1								
10B	SR101	131+50.00	41.00	CB-130	1913.66	#12	3.75	1								
10B	SR101	130+70.00	41.00	CB-29	1915.89	#12	3.75	1								
10B	SR101	129+10.00	41.00	CB-131	1920.71	#12	3.75	1								
10B	SR101	133+80.00	-41.00	CB-28	1907.86	#12	5.67		1							
10B	SR101	133+00.00	-41.00	CB-27	1907.06	#14	4.58						1			
10B	SR101	131+10.00	-41.00	CB-26	1910.35	#12	4.71		1							
10B	SR101	129+50.00	-41.00	CB-25	1915.24	#12	6.57		1							
9B	SR101	127+50.00	-41.00	CB-23	1919.56	#12	7.35		1							
9B	SR101	125+30.00	-41.00	CB-22	1922.5	#12	9.44			1						
9B	SR101	123+90.00	-41.00	CB-21	1923.51	#12	9.91			1						
9B	SR101	123+15.00	-41.00	CB-20	1924.64	#12	10.75			1						
9B	SR101	122+34.00	-41.00	CB-132	1926.07	#12	11.00			1						
9B	SR101	121+40.00	-41.00	CB-24	1927.26	#12	10.98			1						
9B	SR101	119+99.00	-41.00	CB-19	1927.85	#12	10.14			1						
9B	SR101	117+55.00	-41.00	CB-4	1926.27	#12	4.85		1							
12B	SR101	162+55.05	43.00	CB-97	1868.95	#14	12.41								1	
12B	SR101	163+65.47	43.00	CB-95	1872.32	#14	4.08						1			
12B	SR101	160+21.00	41.00	CB-98	1865.99	#14	8.55							1		
12B	SR101	164+31.00	41.00	CB-94	1874.39	#12	3.75	1								
12B	SR101	160+20.00	-41.00	CB-42	1865.99	#14	7.74						1			
12B	SR101	159+00.00	41.00	CB-99	1866.77	#12	7.68		1							
12B	SR101	167+18.00	41.00	CB-93	1879.07	#12	3.75	1								
12B	SR101	159+50.00	-41.00	CB-120	1866.26	#12	3.62	1								
12B	SR101	160+40.00	-41.00	CB-258	1866.01	#12	6.97		1							
12B	SR101	156+95.00	41.00	CB-100	1871.74	#12	10.64			1						
12B	SR101	162+45.00	-41.00	CB-43	1868.76	#12	7.69		1							
12B	SR101	155+65.00	41.00	CB-101	1875.86	#12	13.50				1					
12B	SR101	165+05.00	-41.00	CB-44	1876.31	#12	12.67				1					
12B	SR101	154+20.00	41.00	CB-102	1879.05	#12	6.03		1							
13B	SR101	167+20.00	-41.00	CB-45	1879.08	#12	12.69				1					
11B	SR101	151+78.00	41.00	CB-103	1881.68	#12	4.54		1							
13B	SR101	169+10.00	-41.00	CB-46	1880.22	#12	3.85	1								
11B	SR101	151+14.00	41.00	CB-104	1882.06	#14	4.26						1			
13B	SR101	171+55.00	-41.00	CB-47	1886.62	#12	3.75	1								
11B	SR101	149+14.00	41.00	CB-105	1884.27	#12	3.75	1								
13B	SR101	173+50.00	-41.00	CB-48	1889.94	#12	3.75	1								
11B	SR101	147+50.00	41.00	CB-106	1886.51	#12	3.75	1								
11B	SR101	145+45.00	41.00	CB-107	1888.57	#12	3.75	1								
11B	SR101	144+47.00	41.00	CB-108	1889.33	#12	3.75	1								
11B	SR101	143+68.00	41.00	CB-109	1890.28	#12	3.75	1								
11B	SR101	142+43.00	41.00	CB-110	1892.47	#12	3.75	1								
11B	SR101	141+73.00	41.00	CB-111	1894.07	#12	4.03		1							
10B	SR101	140+84.00	41.00	CB-112	1896.48	#12	4.69		1							
10B	FENCE LANE	10+80.00	-24.65	CB-113	1896.60	#14	3.81					1				
10B	SR101	139+90.00	41.00	CB-114	1899.23	#14	5.68						1			
10B	SR101	139+30.00	41.00	CB-115	1900.91	#12	5.50		1							
10B	SR101	138+35.00	41.00	CB-116	1903.61	#12	5.65		1							
TOTALS								**19**	**19**	**7**	**3**	**8**	**6**	**1**	**1**	**0**

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	2N

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

CATCH BASINS

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	DEPTH (FT.)	PAY ITEMS TYPE 12 611-12.01 0' - 4'	TYPE 12 611-12.02 4' - 8'	TYPE 12 611-12.03 8' - 12'	TYPE 12 611-12.04 12' - 16'	TYPE 14 611-14.01 0' - 4'	TYPE 14 611-14.02 4' - 8'	TYPE 14 611-14.03 8' - 12'	TYPE 14 611-14.04 12' - 16'	TYPE 38 611-38.01 0' - 4'
10B	SR101	136+50.00	41.00	CB-117	1907.29	#12	3.75	1								
10B	SR101	135+36.00	41.00	CB-118	1908.44	#12	3.75	1								
10B	SR101	134+75.00	45.00	CB-129	1909.05	#14	3.76					1				
12B	SR101	158+20.00	-41.00	CB-257	1868.16	#12	4.12		1							
12B	SR101	157+50.00	-41.00	CB-41	1869.95	#12	4.74		1							
12B	SR101	155+50.00	-41.00	CB-119	1876.25	#12	8.08			1						
11B	SR101	153+10.00	-41.00	CB-40	1881.65	#12	11.10			1						
11B	SR101	152+00.14	-41.00	CB-39	1884.51	#12	12.86				1					
11B	SR101	150+32.90	-41.00	CB-801	1887.37	#12	14.03				1					
11B	SR101	148+33.40	-41.00	CB-800	1889.32	#12	13.96				1					
11B	SR101	145+70.00	-41.00	CB-38	1888.42	#14	10.44							1		
11B	SR101	145+30.00	-41.00	CB-37	1888.67	#12	10.35			1						
11B	SR101	143+65.00	-41.00	CB-36	1890.32	#12	3.82	1								
10B	SR101	140+95.00	-41.00	CB-35	1896.17	#12	8.27			1						
10B	SR101	138+23.84	-41.00	CB-34	1903.90	#12	3.75	1								
10B	SR101	135+50.00	-41.00	CB-33	1908.25	#12	3.75	1								
13B	SR101	169+67.00	55.00	CB-92	1880.17	#14	3.76					1				
13B	SR101	170+00.00	41.00	CB-91	1882.05	#12	4.39		1							
13B	SR101	172+20.00	41.00	CB-90	1888.11	#12	3.75	1								
13B	SR101	179+85.00	-41.00	CB-50	1886.98	#14	10.40							1		
13B	SR101	179+00.00	-41.00	CB-49	1887.26	#12	8.56			1						
14B	SR101	181+08.00	-41.00	CB-51	1886.29	#14	5.69						1			
13B	SR101	179+85.26	41.00	CB-86	1883.44	#14	5.64						1			
14B	SR101	182+70.00	-41.00	CB-121	1886.95	#12	4.60		1							
14B	SR101	181+21.00	41.00	CB-85	1885.28	#12	3.75	1								
13B	SR101	179+07.53	41.00	CB-87	1883.68	#12	4.47		1							
14B	SR101	184+50.00	-41.00	CB-52	1888.97	#12	5.92		1							
14B	SR101	182+94.00	41.00	CB-84	1887.22	#12	3.75	1								
13B	SR101	178+33.00	41.00	CB-88	1884.34	#12	3.75	1								
14B	SR101	186+75.00	-41.00	CB-53	1888.94	#14	3.75					1				
14B	SR101	184+34.00	41.00	CB-83	1888.91	#12	3.75	1								
13B	SR101	176+83.00	41.00	CB-89	1886.69	#12	3.75	1								
15B	SR101	201+61.47	41.00	CB-72	1872.26	#12	6.44		1							
15B	SR101	200+24.64	44.00	CB-73	1874.45	#14	7.34						1			
15B	SR101	199+47.00	41.00	CB-74	1875.59	#12	3.75	1								
15B	SR101	196+90.00	41.00	CB-75	1878.40	#12	3.75	1								
15B	SR101	194+48.00	41.00	CB-76	1881.42	#12	3.75	1								
15B	SR101	193+08.00	41.00	CB-77	1882.66	#12	3.75	1								
14B	SR101	191+54.00	41.00	CB-78	1886.03	#12	3.75	1								
14B	SR101	189+85.00	53.50	CB-79	1891.20	#12	6.88		1							
14B	SR101	189+26.00	54.00	CB-80	1891.58	#12	5.56		1							
14B	SR101	189+00.00	41.00	CB-81	1892.65	#12	5.54		1							
14B	SR101	188+00.00	41.00	CB-82	1893.97	#12	3.96	1								
15B	SR101	205+41.00	41.00	CB-71	1867.05	#14	5.78						1			
15B	SR101	205+40.00	-41.00	CB-61	1868.31	#14	6.23						1			
15B	SR101	205+00.00	-41.00	CB-123	1868.39	#12	6.17		1							
15B	SR101	205+00.00	-55.00	CB-128	1866.58	#38	2.84									1
15B	SR101	202+30.00	-41.00	CB-60	1872.31	#12	9.01			1						
15B	SR101	199+40.00	-41.00	CB-59	1875.67	#12	11.22			1						
15B	SR101	197+40.00	-41.00	CB-122	1877.26	#12	10.34			1						
15B	SR101	195+20.00	-41.00	CB-58	1875.78	#14	6.78						1			
15B	SR101	194+55.00	-41.00	CB-57	1875.94	#12	6.72		1							
14B	SR101	192+35.00	-41.00	CB-56	1878.54	#12	8.49			1						
14B	SR101	190+80.00	-41.00	CB-55	1882.71	#12	5.67		1							
14B	SR101	189+15.00	-41.00	CB-54	1886.91	#12	3.75	1								
TOTALS								**18**	**13**	**9**	**3**	**3**	**6**	**2**	**0**	**1**

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DEPARTMENT OF TRANSPORTATION

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	2P

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

CATCH BASINS

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	DEPTH (FT.)	PAY ITEMS TYPE 12 611-12.01 0' - 4'	TYPE 12 611-12.02 4' - 8'	TYPE 12 611-12.03 8' - 12'	TYPE 12 611-12.04 12' - 16'	TYPE 14 611-14.01 0' - 4'	TYPE 14 611-14.02 4' - 8'	TYPE 14 611-14.03 8' - 12'	TYPE 14 611-14.04 12' - 16'	TYPE 38 611-38.01 0' - 4'
16B	SR101	210+86.00	40.00	CB-125	1864.36	#12	9.29			1						
16B	SR101	213+18.00	40.00	CB-68	1866.36	#12	6.25		1							
16B	SR101	209+95.00	40.00	CB-69	1863.90	#14	6.97						1			
16B	SR101	210+86.00	-40.00	CB-124	1865.62	#14	8.84							1		
16B	SR101	208+21.00	41.00	CB-70	1865.45	#12	7.27		1							
16B	SR101	211+97.00	-43.00	CB-64	1866.28	#14	6.69						1			
16B	SR101	209+90.00	-40.00	CB-63	1865.16	#14	6.43						1			
16B	SR101	213+15.62	-40.00	CB-65	1866.46	#14	6.25						1			
16B	SR101	207+49.00	-40.00	CB-62	1867.83	#12	6.25		1							
TOTALS								0	3	1	0	0	4	1	0	0

STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	RCP CLASS III 607-03.02 18" (L.F.)	607-05.02 24" (L.F.)	607-06.02 30" (L.F.)
31A	CB-7	1918.23	EW-3	1917.98	1		25.32	
31A	CB-3	1920.34	CB-7	1918.73	1.98	80.92		
8C-9C	CB-6	1924.32	CB-7	1918.73	2.22	252		
8C-9C	CB-2	1924.32	CB-3	1920.34	1.59	250		
8C	CB-5	1929.16	CB-6	1924.32	1.65	293		
8C	CB-1	1930.23	CB-2	1924.32	1.8	328		
8C	EW-2	1929.39	CB-5	1929.16	0.4	55.06		
8C	EW-1	1930.44	CB-1	1930.23	0.4	51.71		
28	CB-17	1915.5	EW-4	1915.38	0.4	30.07		
28	CB-12	1916.43	CB-17	1915.5	3	31.04		
28	CB-11	1917.49	CB-12	1916.43	3	35.55		
9C	CB-13	1919.03	CB-12	1916.43	5.52	47.09		
9C	CB-10	1919.35	CB-11	1917.49	1.79	103.76		
9C	CB-8	1920.08	CB-10	1919.35	0.44	167.71		
9C	CB-18	1917.02	EW-5	1916.75	1.47	18.13		
9C	CB-16	1917.56	CB-18	1917.03	0.77	69.33		
9C	CB-15	1918.36	CB-16	1917.56	0.3	267.32		
9C	CB-14	1919.01	CB-15	1918.36	0.6	108.1		
28	CB-31	1906.26	EW-027	1903.65	10	26.06		
10C	CB-30	1908.1	CB-31	1906.34	1.44	122.17		
10C	CB-130	1909.91	CB-30	1908.1	1.83	98.91		
10C	CB-29	1912.14	CB-130	1909.91	2.84	78.33		
10C	CB-131	1916.96	CB-29	1912.14	3	160.61		
TOTALS						2675	25	0

STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	RCP CLASS III 607-03.02 18" (L.F.)	607-05.02 24" (L.F.)	607-06.02 30" (L.F.)
10C	CB-28	1902.19	EW-006	1902.02	0.4		41.93	
10C	CB-27	1902.48	CB-28	1902.19	0.4		71.56	
10C	CB-26	1905.64	CB-27	1902.98	1.5	177.86		
10C	CB-25	1908.67	CB-26	1905.64	2	151.26		
9C-10C	CB-23	1912.21	CB-25	1908.67	1.86	189.99		
9C	CB-22	1913.06	CB-23	1912.21	0.4	211.36		
9C	CB-21	1913.6	CB-22	1913.06	0.4	135.83		
9C	CB-20	1913.89	CB-21	1913.6	0.4	71.84		
9C	EW-14	1914.37	CB-21	1913.6	10	7.74		
9C	EW-13	1915.06	CB-20	1913.89	10	11.72		
9C	CB-132	1915.07	CB-20	1913.89	1.5	78.85		
9C	CB-24	1916.28	CB-132	1915.07	1.3	93.11		
9C	CB-346	1915.75	CB-132	1915.07	5	13.51		
9C	CB-19	1917.7	CB-24	1916.28	1	142.08		
9C	CB-4	1921.42	CB-19	1917.7	1.5	247.98		
9C	EW-10	1918.66	CB-19	1917.7	10	9.55		
31A	CB-802	1856.01	EW-021	1855.82	0.4			63.39
28	CB-96	1856.27	CB-802	1856.01	0.4			65.44
28	CB-97	1856.53	CB-96	1856.27	0.4			66.73
12C	CB-95	1868.25	CB-97	1865.18	3	102.24		
12C	CB-98	1857.44	CB-97	1856.53	0.4			226.62
12C	CB-94	1870.64	CB-95	1868.25	3.98	60.11		
31A	CB-42	1858.26	CB-98	1857.94	0.4		79.01	
12C	CB-99	1859.09	CB-98	1857.94	1		115	
12C	CB-93	1875.32	CB-94	1870.64	1.66	283		
12C	CB-120	1862.64	CB-42	1858.76	6	64.67		
12C	CB-258	1859.05	CB-42	1858.76	2	14.67		
12C	CB-100	1861.1	CB-99	1859.09	1		201	
12C	CB-43	1861.07	CB-258	1859.05	1	202.33		
12C	CB-101	1862.36	CB-100	1861.1	1		126	
12C	CB-44	1863.64	CB-43	1861.07	1	256.67		
12C	CB-102	1873.02	CB-101	1871.61	1		141	
12C-13C	CB-45	1866.39	CB-44	1863.64	1.3	211.67		
11C-12C	CB-103	1877.14	CB-102	1874.79	1		235.28	
13C	CB-46	1876.37	CB-45	1874.5	1	186.67		
11C	CB-104	1877.8	CB-103	1877.14	1.17		56.19	
13C	CB-47	1882.87	CB-46	1876.37	2.7	241		
TOTALS						3166	1067	422

STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	RCP CLASS III 607-03.02 18" (L.F.)	607-05.02 24" (L.F.)	607-06.02 30" (L.F.)
11C	CB-105	1880.52	CB-104	1878.3	1.18	188		
13C	CB-48	1886.19	CB-47	1882.87	1.74	191		
11C	CB-106	1882.76	CB-105	1880.52	1.44	155.38		
11C	CB-107	1884.82	CB-106	1882.76	1.03	199.02		
11C	CB-108	1885.58	CB-107	1884.82	0.81	94		
11C	CB-109	1886.53	CB-108	1885.58	1.26	75		
11C	CB-110	1888.72	CB-109	1886.53	1.81	121		
11C	CB-111	1890.04	CB-110	1888.72	2	66		
10C-11C	CB-112	1891.79	CB-111	1890.04	2.06	85		
28	CB-113	1892.78	CB-112	1891.79	2.5	39.7		
10C	CB-114	1893.55	CB-112	1891.79	2	88		
28	EW-022	1895.85	CB-113	1892.78	5.79	53.03		
28	EW-023	1894.4	CB-114	1893.55	2.5	34.04		
10C	CB-115	1895.4	CB-114	1893.89	2.8	54		
10C	EW-025	1896.44	CB-115	1895.4	10	10.32		
10C	CB-116	1897.95	CB-115	1895.4	2.8	91		
10C	EW-026	1898.58	CB-116	1897.95	10	6.33		
10C	CB-117	1903.54	CB-116	1897.95	3.09	181		
10C	CB-118	1904.69	CB-117	1903.54	1.05	110.01		
10C	CB-129	1905.29	CB-118	1904.69	1.08	55.4		
12C	CB-257	1864.04	EW-028	1864	0.4		12.04	
12C	CB-41	1865.22	CB-257	1864.54	1	67.33		
12C	CB-119	1868.18	CB-41	1865.22	1.5	197.33		
11C-12C	CB-40	1870.55	CB-119	1868.18	1	237.74		
11C	CB-39	1871.64	CB-40	1870.55	1	108.96		
11C	CB-801	1873.34	CB-39	1871.64	1	169.16		
11C	CB-800	1875.36	CB-801	1873.34	1	202.47		
11C	CB-38	1877.98	CB-800	1875.36	1	262.08		
11C	CB-37	1878.32	CB-38	1877.98	1	34		
11C	CB-36	1886.5	CB-37	1884.92	0.98	161		
10C-11C	CB-35	1887.9	CB-36	1886.5	0.53	266		
10C	CB-34	1900.15	CB-35	1887.9	4.58	267.16		
10C	CB-33	1904.5	CB-34	1900.15	1.61	269.84		
13C	CB-92	1876.41	EW-020	1876.3	0.4	28.63		
13C	CB-91	1877.66	CB-92	1876.41	4	31.27		
13C	CB-90	1884.36	CB-91	1877.66	3.1	216		
TOTALS						4416	12	0

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	20

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

STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	RCP CLASS III 607-03.02 18" (L.F.)	607-05.02 24" (L.F.)	607-06.02 30" (L.F.)
31B	CB-50	1876.58	EW-011	1876.45	0.4		33.09	
13C	CB-49	1878.7	CB-50	1877.08	2	80.86		
13C-14C	CB-51	1880.6	CB-50	1877.08	3	117.12		
31B	CB-86	1877.81	CB-50	1877.08	0.92	79		
14C	CB-121	1882.35	CB-51	1880.6	1.12	156.66		
13C-14C	CB-85	1881.53	CB-86	1877.81	2.92	127.57		
13C	CB-87	1879.21	CB-86	1877.81	2	70.1		
14C	CB-52	1883.05	CB-121	1882.35	0.4	175.94		
14C	CB-84	1883.47	CB-85	1881.53	1.15	168.5		
13C	CB-88	1880.59	CB-87	1879.21	2	68.96		
14C	CB-53	1885.19	CB-52	1883.05	1	213.37		
14C	CB-83	1885.16	CB-84	1883.47	1.24	136.01		
13C	CB-89	1882.94	CB-88	1880.59	1.64	142.82		
15C	CB-72	1865.82	EW-019	1865.29	3	17.57		
15C	CB-73	1867.12	CB-72	1865.82	1	129.99		
15C	CB-74	1871.84	CB-73	1870.69	1.59	72.23		
15C	CB-75	1874.65	CB-74	1871.84	1.11	253.59		
15C	CB-76	1877.67	CB-75	1874.65	1.23	245.42		
15C	CB-77	1878.91	CB-76	1877.67	0.88	141.75		
14C	CB-78	1882.28	CB-77	1878.91	2.15	156.3		
14C	CB-79	1884.32	CB-78	1882.28	1.17	174.5		
14C	EW-018	1887.22	CB-79	1884.32	10	29.06		
14C	CB-80	1886.02	CB-79	1884.32	2.89	58.73		
14C	EW-017	1886.3	CB-80	1886.02	1	28.8		
14C	CB-81	1887.1	CB-80	1886.02	4	27.23		
14C	CB-82	1890.01	CB-81	1887.1	2.9	100.15		
31C	CB-71	1861.27	EW-013	1861.21	0.4			15.07
31C	CB-61	1862.08	CB-71	1861.77	0.4	79.01		
15C	CB-123	1862.22	CB-61	1862.08	0.4		34.29	
15C	CB-128	1863.74	CB-123	1862.72	10		10.21	
15C	CB-60	1863.29	CB-123	1862.22	0.4	268.61		
15C	CB-59	1864.45	CB-60	1863.29	0.4		288.64	
15C	CB-122	1866.91	CB-59	1864.95	1		196.57	
15C	CB-58	1869	CB-122	1866.91	1	208.29		
15C	CB-57	1869.22	CB-58	1869	0.4	56.14		
14C	CB-56	1870.05	CB-57	1869.22	0.4	205.89		
14C	CB-55	1877.04	CB-56	1874.5	1.77	144.04		
14C	CB-54	1883.16	CB-55	1877.04	3.99	153.57		
31C	CB-125	1855.07	EW-014	1854.97	0.4		24.65	
16C	CB-68	1860.11	CB-125	1855.57	2	226.84		
16C	CB-69	1856.93	CB-125	1856.51	0.5	84.38		
31C	CB-124	1856.78	CB-125	1856.48	0.4	77		
16C	CB-70	1858.18	CB-69	1856.93	0.74	166.8		
16C	CB-64	1859.59	CB-124	1858.55	1	103.73		
16C	CB-63	1858.73	CB-124	1856.95	2	88.69		
31C	EW-016	1859.77	CB-124	1859.34	1.7	25.53		
16C	CB-65	1860.21	CB-64	1859.76	0.4	111.72		
16C	CB-62	1861.58	CB-63	1858.91	1.13	236.71		
16C	EW-015	1859.67	CB-63	1858.9	3.5	22.22		
TOTALS						5231	587	15

STORM DRAINAGE ENDWALLS

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	STRUCTURE TYPE	STANDARD DRAWING	CLASS B RIP-RAP 709-05.08 (TON)	18 IN. ENDWALL 3:1 611-07.54 (EA.)	18 IN. ENDWALL 6:1 611-07.56 (EA.)	18 IN. ENDWALL 6:1 611-07.31 (EA.)	24 IN. ENDWALL 3:1 611-07.57 (EA.)	24 IN. ENDWALL 4:1 611-07.58 (EA.)	30 IN. ENDWALL 3:1 611-07.60 (EA.)	30 IN. ENDWALL 4:1 611-07.61 (EA.)
8B	SR101	109+54.50	-59.89	EW-1	U	D-PE-18A, D-PE-18B			1					
8B	SR101	109+87.00	62.71	EW-2	U	D-PE-18A, D-PE-18B			1					
9B	SR101	115+76.00	62.22	EW-3	U	D-PE-24A, D-PE-24B	44	1						
9B	STONE LOOP EAST	31+42.00	28	EW-4	SD	D-SEW-1A				1				
9B	SR101	125+35.00	61.59	EW-5	U	D-PE-18A, D-PE-18B	20	1						
9B	SR101	120+00.00	-52.95	EW-10	U	D-PE-18A, D-PE-18B		1						
9B	SR101	123+14.42	-55.16	EW-13	U	D-PE-18A, D-PE-18B		1						
9B	SR101	123+90.00	-51.2	EW-14	U	D-PE-18A, D-PE-18B		1						
10B	SR101	134+20.00	-61.04	EW-006	U	D-PE-24A, D-PE-24B					1			
10B	SR101	133+82.89	68.55	EW-027	U	D-PE-18A, D-PE-18B	28	1						
10B	FENCE LANE	11+37.00	-27.38	EW-022	SD	D-SEW-1A				1				
10B	SR101	140+09.26	71.53	EW-023	SD	D-SEW-1A				1				
10B	SR101	139+27.31	53.42	EW-025	U	D-PE-18A, D-PE-18B		1						
10B	SR101	138+35.79	49.74	EW-026	U	D-PE-18A, D-PE-18B		1						
12B	SHORTY BARNES RD	32+42.00	-43.21	EW-021	U	D-PE-30A, D-PE-30B	44						1	
12B	SR101	158+20.00	-55	EW-028	U	D-PE-24A, D-PE-24B						1		
13B	FAIRVIEW DR	30+93.03	-27	EW-020	SD	D-SEW-1A				1				
14B	SR101	180+07.30	-67.31	EW-011	U	D-PE-24A, D-PE-24B					1			
14B	SR101	189+31.25	83.33	EW-017	SD	D-SEW-1A				1				
14B	SR101	189+79.16	83	EW-018	SD	D-SEW-1A				1				
15B	SR101	201+69.21	57.34	EW-019	U	D-PE-18A, D-PE-18B	30	1						
15B	SR101	205+40.00	56.58	EW-013	U	D-PE-30A, D-PE-30B	42							1
16B	SR101	209+90.00	-64.68	EW-015	U	D-PE-18A, D-PE-18B		1						
16B	SR101	210+86.03	65.19	EW-014	U	D-PE-24A, D-PE-24B	28				1			
16B	SR101	210+84.72	-67.96	EW-016	U	D-PE-18A, D-PE-18B		1						
TOTALS							236	11	2	6	3	1	1	1

CROSS DRAIN TABULATION

STATION	RCP CLASS III OR CMP 10 GA. FILL HEIGHT < OR = 16 FT. 18"	24"	30"	36"	48"	SKEW	RIP-RAP 709-05.06 (TON)	END TREATMENT INLET TYPE	INLET DRAWING NO.	OUTLET TYPE	OUTLET DRAWING NO.
32+37.16 FAIRVIEW DR	49					90°		U	D-PE-18A, D-PE-18B	U	D-PE-18A, D-PE-18B
8+25 SPRING LAKE RD	43					90°		U	D-PE-18A, D-PE-18B	U	D-PE-18A, D-PE-18B
TOTALS	92	0	0	0	0		0				

CROSS DRAIN ENDWALLS

LOCATION	CROSS DRAIN STATION	OFFSET (FT.)	STRUCTURE TYPE	STANDARD DRAWING	SKEW	18 IN. ENDWALL 3:1 611-07.54 (EA.)
FAIRVIEW DR	32+37.16	21.25	U	D-PE-18A,D-PE-18B	90	1
FAIRVIEW DR	32+37.16	-22.49	U	D-PE-18A,D-PE-18B	90	1
SPRING LAKE RD	8+25	18.94	U	D-PE-18A,D-PE-18B	90	1
SPRING LAKE RD	8+25	-18.72	U	D-PE-18A,D-PE-18B	90	1
TOTALS						4

DROP INLETS

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	DEPTH (FT.)	PAY ITEMS TYPE 42 611-42.01 0' - 4'	TYPE 42 611-42.02 4' - 8'	TYPE 42 611-42.03 8' - 12'
9B	STONE LOOP EAST	31+10.00	30.00	CB-17	1919.17	#42	3.67	1		
9B	SR101	122+33.00	-57.00	CB-346	1923.62	#42	7.87		1	
12B	SHORTY BARNES RD	32+41.94	22.18	CB-802	1865.68	#42	9.67			1
12B	SR101	162+78.63	108.00	CB-96	1867.24	#42	10.97			1
TOTALS								1	1	2

BOX CULVERT TABULATION

STATION	LOCATION	SPAN	HEIGHT	LENGTH	SKEW	DRAINAGE AREA ACRES	BOX CULVERT BOX CLASS "A" CONC. CU. YD.	BOX REINF. STEEL LBS.	APRON CLASS "A" CONC. CU. YD.	APRON STEEL BAR REINF. LBS.	DRAWING NO.	BACKFILLING ITEM 303-01.01 DWG. STD-10-1 TONS	FOUNDATION FILL MATERIAL CU. YD.
75+43.76	SR101	6	4	132	60° RT	89.82	76.56	18876	18.4	2768	STD-15-35	391.11	30.14
TOTALS							76.56	18876	18.4	2768		391.11	30.14

* 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.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	2R

SIDE DRAIN TABULATION

STATION	LOCATION LT	LOCATION RT	DESCRIPTION	SURFACE WIDTH (L.F.)	RCP CLASS III OR CMP 16 GA. OR HDPE OR PVC OR SRTRP (L.F.) FILL HEIGHT < OR = 10 FT. 18"	24"	30"	36"	48"	END TREATMENT TYPE	DRAWING NO.	REMARKS
24+35.57	X		FIRETOWER RD	12	24					NO END TREATMENT		
76+37.03		X	SR101	12		22				NO END TREATMENT		
78+15.29	X		SR101	12					80	NO END TREATMENT		
80+84.34		X	SR101	12	22					NO END TREATMENT		
85+66.32		X	SR101	46	110					NO END TREATMENT		
87+58.46		X	SR101	16	28					NO END TREATMENT		
88+82.93		X	SR101	16	28					NO END TREATMENT		
89+61.54		X	SR101	16	28					NO END TREATMENT		
90+54.86		X	SR101	64	125					NO END TREATMENT		
92+75.29		X	SR101	24	36					NO END TREATMENT		
93+21.24	X		SR101	16	28					NO END TREATMENT		
93+79.48		X	SR101	16	28					NO END TREATMENT		
93+94.14	X		SR101	16		28				NO END TREATMENT		
94+65.95	X		SR101	20		32				NO END TREATMENT		
95+36.24		X	SR101	40	48					SD	D-SEW-1A	
95+38.61	X		SR101	16		28				NO END TREATMENT		
97+00.00	X		SR101	16	26					NO END TREATMENT		
32+62.28		X	STONE LOOP EAST	12	22					SD	D-SEW-1A	
99+05.19	X		SR101	16	28					NO END TREATMENT		
100+55.28		X	SR101	12	22					NO END TREATMENT		
103+54.84		X	SR101	30		42				NO END TREATMENT		
105+95.23		X	SR101	40		78				NO END TREATMENT		
108+17.71	X		SR101	12	22					NO END TREATMENT		
118+81.20	X		SR101	40	58					NO END TREATMENT		
120+72.22	X		SR101	16	35					NO END TREATMENT		
130+96.45		X	SR101	12	26					NO END TREATMENT		
131+63.83		X	SR101	12	25					NO END TREATMENT		
32+92.00		X	CHERRY BRANCH RD	16	28					SD	D-SEW-1A	
32+63.11	X		CHERRY BRANCH RD	12	22					SD	D-SEW-1A	
136+81.59		X	SR101	40	48					NO END TREATMENT		
138+72.70	X		SR101	12	30					NO END TREATMENT		
12+00.00		X	FENCE LANE	20	28					SD	D-SEW-1A	
12+00.00	X		FENCE LANE	30	42					SD	D-SEW-1A	
TOTALS					967	230	0	0	80			

SIDE DRAIN ENDWALLS

LOCATION	DRIVE OR ENTRANCE STATION	OFFSET (FT.)	STRUCTURE TYPE	STANDARD DRAWING	SKEW	18 IN. ENDWALL 6:1 611-07.31 (EA.)
SR-101-RT	95+36.24	25.95	SD	D-SEW-1A	90	1
SR-101-RT	95+36.24	-25.61	SD	D-SEW-1A	90	1
STONE LOOP EAST-RT	32+62.28	10.53	SD	D-SEW-1A	90	1
STONE LOOP EAST-RT	32+62.28	-8.68	SD	D-SEW-1A	90	1
CHERRY BRANCH RD-LT	32+92.00	13.43	SD	D-SEW-1A	90	1
CHERRY BRANCH RD-LT	32+92.00	-12.57	SD	D-SEW-1A	90	1
CHERRY BRANCH RD-RT	32+63.11	9.67	SD	D-SEW-1A	90	1
CHERRY BRANCH RD-RT	32+63.11	6.96	SD	D-SEW-1A	90	1
FENCE LANE-LT	12+00.00	14.58	SD	D-SEW-1A	90	1
FENCE LANE-LT	12+00.00	-14.74	SD	D-SEW-1A	90	1
FENCE LANE-RT	12+00.00	21.44	SD	D-SEW-1A	90	1
FENCE LANE-RT	12+00.00	-21.09	SD	D-SEW-1A	90	1
SHORTY BARNES RD-LT	33+05.05	9.42	SD	D-SEW-1A	90	1
SHORTY BARNES RD-LT	33+05.05	-7.53	SD	D-SEW-1A	90	1
FAIRVIEW DR-RT	31+79.85	22.15	SD	D-SEW-1A	90	1
FAIRVIEW DR-RT	31+79.85	-21.82	SD	D-SEW-1A	90	1
FAIRVIEW RD-LT	52+10.38	18.18	SD	D-SEW-1A	90	1
FAIRVIEW RD-LT	52+10.38	-17.51	SD	D-SEW-1A	90	1
FAIRVIEW RD-RT	53+59.42	10.42	SD	D-SEW-1A	90	1
FAIRVIEW RD-RT	53+59.42	-14.9	SD	D-SEW-1A	90	1
ST. GEORGE RD.-LT	33+90.65	23.34	SD	D-SEW-1A	90	1
ST. GEORGE RD.-LT	33+90.65	-12.58	SD	D-SEW-1A	90	1
ST. GEORGE RD.-RT	33+90.65	15.93	SD	D-SEW-1A	90	1
ST. GEORGE RD.-RT	33+90.65	-15.85	SD	D-SEW-1A	90	1
SR101-LT	217+98.97	22.21	SD	D-SEW-1A	90	1
SR101-LT	217+98.97	-19.07	SD	D-SEW-1A	90	1
SR101-RT	217+99.22	31.65	SD	D-SEW-1A	90	1
SR101-RT	217+99.22	-31.6	SD	D-SEW-1A	90	1
TOTALS						28

SIDE DRAIN TABULATION

STATION	LOCATION LT	LOCATION RT	DESCRIPTION	SURFACE WIDTH (L.F.)	RCP CLASS III OR CMP 16 GA. OR HDPE OR PVC OR SRTRP (L.F.) FILL HEIGHT < OR = 10 FT. 18"	24"	30"	36"	48"	END TREATMENT TYPE	DRAWING NO.	REMARKS
148+51.13	X		SR101	20	30					NO END TREATMENT		
150+52.41	X		SR101	16	33					NO END TREATMENT		
151+68.78	X		SR101	16	33					NO END TREATMENT		
161+73.81	X		SR101	12	28					NO END TREATMENT		
33+05.05	X		SHORTY BARNES RD	12	18					SD	D-SEW-1A	
31+79.85		X	FAIRVIEW DR	30	43					SD	D-SEW-1A	
170+81.65		X	SR101	12	19					NO END TREATMENT		
171+16.13		X	SR101	20	28					NO END TREATMENT		
187+40.86		X	SR101	40	58					NO END TREATMENT		
52+10.38		X	FAIRVIEW RD	20	34					SD	D-SEW-1A	
53+59.42	X		FAIRVIEW RD	12	26					SD	D-SEW-1A	
33+90.65		X	ST. GEORGE RD.	20	32					SD	D-SEW-1A	
33+90.65	X		ST. GEORGE RD.	20	32					SD	D-SEW-1A	
207+66.91	X		SR101	20	31					NO END TREATMENT		
217+98.97	X		SR101	18	42					SD	D-SEW-1A	
217+99.22		X	SR101	40	64					SD	D-SEW-1A	
TOTALS					551	0	0	0	0			

R.O.W. MARKERS

SHEET NO.	QUANTITIES "A"	"B"	"C"	TOTALS
5A	1	9	10	20
6A		8	7	15
7A	5	7	11	23
8A		6	5	11
9A	4	3	9	16
10A	4	12	7	23
11A	4	1		5
12A		5	3	8
13A	3	4	2	9
14A	6	5	1	12
15A	5	1	5	11
16A	1			1
TOTALS	33	61	60	154

ROADSIDE DITCHES

STATION FROM	TO	SIDE LT	RT	WIDTH (L.F.)	TYPE	SOD 803-01 (S.Y.)	TRM TYPE II 805-01.02 (S.Y.)	SEEDING (W/O MULCH) 801-02 (UNIT)	REMARKS
67+56	69+55	X		4	V	88			SR101
25+00	28+69		X	4	V		164	6	FIRETOWER RD
25+00	28+69	X		4	V		164	6	FIRETOWER RD
68+00	70+32		X	4	V	103			SR101
70+47	75+50	X		4	V	224			SR101
75+14	80+58		X	4	1'-T		242	9	SR101
82+50	85+21		X	4	V		120	4	SR101
93+46	98+80	X		4	V		237	9	SR101
32+00	33+10	X		4	V		49	2	STONE LOOP WEST
102+13	105+58		X	4	V		153	6	SR101
106+50	109+40	X		4	V	129			SR101
108+15	109+75		X	4	V	71			SR101
51+75	53+00		X	4	V		60	2	STONE LOOP EAST
52+25	53+00	X		4	V		38	1	STONE LOOP EAST
31+60	32+60		X	4	V		44	2	CHERRY BRANCH RD
33+50	32+75	X		4	V		60	2	CHERRY BRANCH RD
10+75	12+65		X	4	V		84	3	FENCE LANE
10+75	12+65	X		4	V		84	3	FENCE LANE
33+00	33+50		X	4	V	22			SHORTY BARNES RD
32+75	33+50	X		4	V		33	1	SHORTY BARNES RD
31+06	33+20	X		4	V	95			FAIRVIEW DR
50+96	54+00		X	4	V		133	5	FAIRVIEW RD
50+96	54+00	X		4	V		133	5	FAIRVIEW RD
34+00	34+40	X		4	V		18	1	ST GEORGE RD
33+50	34+40		X	4	V		40	1	ST GEORGE RD
7+00	8+12	X		4	V	50			SPRING LAKE DR
TOTALS						732	1859	67	

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	2S

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

ESTIMATED GRADING QUANTITIES

STATION TO STATION	ROAD & DRAINAGE EXC. (UNCL.) C.Y.	BORROW EXCAVATION UNCL. - C.Y.	BORROW EXCAVATION S. ROCK - C.Y.	EMB. C.Y.
SR101(67+00 TO 218+62)	47773.23	65868.8		99830.57
SIDE ROADS	10377.87			8030.44
DRIVEWAYS	5412.93			
TOTALS	**63564.03**	**65868.8**	**0**	**107861.01**

ROAD & DRAINAGE EXC. (UNCL.) INCLUDES =	8648.29	C.Y. FROM SIDE ROADS
	4510.78	C.Y. FROM DRIVEWAYS
AND	1754.61	C.Y. FROM 2 LN RUNAROUND
		(SEE TRAFFIC CONTROL PHASE 2)
EMBANKMENT INCLUDES=	8030.44	C.Y. FROM SIDE ROADS
AND	13558.77	C.Y. FROM 2 LN RUNAROUND
		(SEE TRAFFIC CONTROL PHASE 2)

PAVEMENT QUANTITIES

LOCATION	PAY ITEMS 303-01 (TON)	307-01.08 (TON)	307-02.01 (TON)	307-02.02 (TON)	307-02.03 (TON)	307-02.08 (TON)	402-01 (TON)	402-02 (TON)	403-01 (TON)	411-01.10 (TON)	411-01.07 (TON)	411-02.10 (TON)	415-01.01 (TONS)
SR101	96800.3		21502.0	547.6	16300.6	14145.6	168.0	665.9	116.2		710.8	8687.5	5707.0
SIDE ROADS	9112.5		233.7			1331.0	19.4	75.9	7.5		171.9	780.0	
DRIVEWAYS	7588.8	1902.3					48.1	190.3	15.5	2288.8			
TEMP 2-LN SHIFT	4098.9		858.0			749.4	10.9	10.0	1.0				
TEMP 2-LN SHIFT-DRIVEWAYS	5.7	8.8							0.1	18.1			
TOTALS	**117606.2**	**1911.1**	**22593.6**	**547.6**	**16300.6**	**16226.0**	**246.4**	**942.1**	**140.3**	**2306.9**	**882.8**	**9467.5**	**5707.0**

TRAFFIC CONTROL QUANTITIES

PHASE	PAY ITEMS 705-08.51 (EACH)	712-02.02 (L.F.)	712-04.01 (EACH)	712-07.03 (L.F.)	712-08.03 (L.F.)	712-09.04 (L.F.)	713-02.36 (EACH)	716-01.11 (EACH) **	716-01.13 (EACH) ***	716-05.01 (L.M.)	716-05.04 (S.Y.)	716-05.05 (L.F.)	716-05.06 (EACH)	716-05.11 (EACH)	716-05.21 (L.F.)	716-05.22 (L.F.)	716-08.01 (L.F.) *	716-08.04 (S.Y.) *	716-08.05 (L.F.) *
1	85	15480	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0	0	0
2	92	12410	393	1034	0	20	11	471	12	14.3	69	296	8	1	200	0	40	0	0
3	24	2150	128	168	1	0	16	434	277	20.0	105	478	37	1	200	160	42203	107	60
TOTALS	**201**	**30040**	**521**	**1202**	**1**	**20**	**27**	**905**	**289**	**34.3**	**175**	**774**	**45**	**2**	**400**	**160**	**42243**	**107**	**60**

* ANY ADDITIONAL REMOVAL OF PAVEMENT MARKINGS WILL BE PAID FOR UNDER ITEM NO. 712-01, TRAFFIC CONTROL.
** YELLOW
*** CLEAR/RED

SIGNS (CONSTRUCTION) 712-06

QUANTITY	M.U.T.C.D. NO.	DESCRIPTION	SIZE IN X IN		ITEM NO. 712-06 (S.F.)	REMARKS
6	(G20-1)	ROAD WORK NEXT 3 MILES	48	24	48	
40	(G20-2)	END ROAD WORK	48	24	320	
9	(R1-1)	STOP SIGN	36	36	81	
100	(R11-2)	ROAD CLOSED	48	30	1000	
2	(W1-4L)	LEFT LANE SHIFT AHEAD(SYMBOL)	36	36	18	
2	(W1-4R)	RIGHT LANE SHIFT AHEAD(SYMBOL)	36	36	18	
14	(W1-8L)	LEFT CHEVRON ALIGNMENT SIGN	24	30	70	
14	(W1-8R)	RIGHT CHEVRON ALIGNMENT SIGN	24	30	70	
2	(W4-2R)	RIGHT LANE ENDS MERGE(SYMBOL)	48	48	32	
4	(W13-1P)	SPEED LIMIT 35 MPH	24	24	16	
5	(W20-1)	ROAD WORK 1000 FT	48	48	80	
4	(W20-1)	ROAD WORK 500 FT	48	48	64	
35	(W20-1)	ROAD WORK AHEAD	48	48	560	
5	(W20-3)	ROAD WORK 1/2 MILES	48	48	80	
1	(W20-5R)	RIGHT LANE CLOSED 1/2 MILE	48	48	16	
					2473	TOTAL

SEE FIGURE 6F-1 OF FIGURES SHOWN IN CURRENT M.U.T.C.D. THIS CONSTRUCTION SIGNING IS TO BE CONSTRUCTED AS A MINIMUM. OTHER SIGNS AS DIRECTED BY THE ENGINEER MAY BE REQUIRED DURING DIFFERENT PHASES.

PROPOSED GUARDRAIL

SHEET NO.	LOCATION	SIDE LT	SIDE RT	STATION FROM	STATION TO	SINGLE TYPE 2 GUARDRAIL 705-02.02 (L.F.)	TYPE 13 TERMINAL 705-04.03 (EACH)	TYPE 38 TERMINAL 705-04.07 (EACH)	705-04.09 (EACH)	REMARKS
4B	SR101MAIN		29.40	57+28.37	59+12.71				1	
4B	SR101MAIN		30.40	58+32.43	58+82.43			1		
4B	SR101MAIN	28.62		61+99.80	63+84.15				1	
4B	SR101MAIN	28.62		62+30.08	62+80.08			1		
4B	SR101MAIN		29.30	63+14.67	64+99.01				1	
4B	SR101MAIN		30.30	64+18.73	64+68.73			1		
5B	SR101MAIN	33.50		66+22.74	68+07.08				1	
5B	SR101MAIN	33.50		66+53.02	67+03.02			1		
5B	SR101MAIN		43.11	69+64.44	71+13.44				1	
5B	SR101MAIN		44.11	70+39.44	70+89.44			1		
5B	SR101MAIN		43.11	70+89.44	74+95.13	405.70				
5B	SR101MAIN		43.11	74+95.13	74+98.44		1			
TOTALS						**405.70**	**1**	**5**	**5**	

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	2T

ESTIMATED TREE QUANTITIES (WTL-3)

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
802-12.01	ACER NEGUNDO (BOX ELDER SEEDLNG B.R.)	EACH	7
802-12.02	ACER RUBRUM (RED MAPLE SEEDLNG B.R.)	EACH	7
802-12.40	SALIX NIGRA (BLACK WILLOW SEEDLNG B.R.)	EACH	7

ESTIMATED TREE QUANTITIES (STR-1)

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
802-11.02	ACER RUBRUM (RED MAPLE 2-5FT CNTNR GRWN)	EACH	7
802-11.39	QUERCUS RUBRA (NORTHERN RED OAK 2-5FT CNTNR GRWN)	EACH	8
802-12.01	ACER NEGUNDO (BOX ELDER SEEDLNG B.R.)	EACH	1
802-12.40	SALIX NIGRA (BLACK WILLOW SEEDLNG B.R.)	EACH	1

REMOVAL OF BUILDINGS AND OBSTRUCTIONS DESCRIPTION BLOCK

PAY ITEM	TRACT NO.	DESCRIPTION
202-06.01	1(IOC)	*TWO BRICK DRIVEWAY ENTRANCE *STONE SUBDIVISION SIGN
202-06.02	4(IOC) (DO NOT HAVE POSSESION)	*CONVENIENCE STORE *CANOPY *DOUBLE SIDED/SINGLE HOSE DISPENSERS
202-06.03	32(IOC)	* ONE STORY FRAME RANCH *ONE STORE FRAME RESIDENCE (RENTAL)
202-06.04	36(IOC)	*SINGLE STORY FRAME RESIDENCE
202-06.05	55(IOC)	*FRAME & ROCK OFFICE
202-06.06	58(IOC)	*BRICK MODEL HOME/OFFICE *FRAME OFFICE
202-06.07	59(IOC)	*ONE STORY RETAIL SHOP / HOUSE *FRAME WORKSHOP *CONCRETE WELLHOUSE
202-06.08	62(IOC)	*FRAME RESIDENCE *FRAME SHED
202-06.09	66(IOC)	*ONE STORY FRAME RESIDENCE
202-06.10	74(IOC)	*SINGLE STORY MASONRY COMMERCIAL BUILDING
202-06.11	75(IOC)	*ONE STORY CONCRETE BLOCK & WOOD RESTAURANT *DETACHED SMOKE HOUSE *DETACHED CONCRETE BLOCK/METAL FREEZER.
202-06.12	76(IOC)	*ONE STORY CONCRETE BLOCK COMMERCIAL BLDG.
202-06.13	79(IOC)	*STONE COLUMN
202-06.14	80(IOC)	*WOOD FRAME HOUSE

NO ADDITIONAL COMPENSATION WILL BE MADE FOR THESE REMOVALS.

* Payment for the removal of improvements to be included in cost for other items of construction.

EPSC QUANTITIES

PHASE	PAY ITEMS																							
	203-01 (C.Y.)	209-02.07 (L.F.)	209-05 (C.Y.)	209-08.02 (L.F.)	209-08.03 (L.F.)	209-08.08 (EACH)	209-09.01 (BAG)	209-09.03 (EACH)	209-09.41 (EACH)	209-09.43 (EACH)	209-20.03 (S.Y.)	209-40.42 (L.F.)	209-40.47 (L.F.)	209-65.03 (L.F.)	303-10.01 (TON)	621-03.02 (L.F.)	621-03.03 (L.F.)	621-03.04 (L.F.)	707-08.11 (L.F.)	709-05.05 (TON)	709-05.06 (TON)	740-10.03 (S.Y.)	740-11.03 (L.F.)	805-12.02 (S.Y.)
1	50			1180	14240	19									84	68			661	250	178	997	4296	
2	1531		1453	1290	14221	38		1						159	437	224		220	1266	550	1670	4914	5044	
3	2086	72	1797	1428	5761	27	1174	2	10	63	81			194	290	254	34		979	557	1396	4658	4956	1168
4	283		269	722	1498	23		1		131		2	1		42				510	100	227	710	2520	8765
TOTALS	**3951**	**72**	**3519**	**4620**	**35720**	**107**	**1174**	**4**	**10**	**194**	**81**	**2**	**1**	**353**	**853**	**546**	**34**	**220**	**3416**	**1457**	**3470**	**11279**	**16816**	**9933**

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	3
CONST	2015	STP-101(16)	3

REV. 12-19-11: UPDATED UTILITY OWNER FOR FAIRFIELD GLADE (SEWER).

REV. 11-27-12: UPDATED UTILITY OWNERS.

REV. 5-22-13: UPDATE YEAR. REMOVE PHASE 2. UPDATE UTILITY OWNERS.

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 AND THE CIVIL ENGINEERING MANAGER 1, REGIONAL DESIGN OFFICE, ARE TO BE NOTIFIED IN SUFFICIENT TIME TO PERMIT HAVING SUCH REMOVALS DESIGNATED AS A PART OF THE CONSTRUCTION CONTRACT.

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

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

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

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

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

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

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

(9) ON PROJECTS WITH CURB AND GUTTER THAT ARE ON STATE ROUTES, IT WILL BE THE RESPONSIBILITY OF THE OWNER TO SECURE A PERMIT. AFTER THE PERMIT HAS BEEN GRANTED, THE DEPARTMENT WILL CONSTRUCT THE DRIVEWAY OR FIELD ENTRANCE THROUGH THE CURB AND SIDEWALK, PROVIDED THE CURB AND SIDEWALK HAVE NOT BEEN CONSTRUCTED. IT WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONSTRUCT THE DRIVEWAY OR FIELD ENTRANCE FROM BACK OF SIDEWALK TO TOUCHDOWN POINT FOR ANY ADDITIONAL DRIVEWAYS OR FIELD ENTRANCES OTHER THAN THOSE PROVIDED IN THE PLANS.

UTILITY OWNERS

UTILITY	OWNER	PHONE NO.	CONTACT	ADDRESS	CITY	STATE	ZIP CODE
CABLE TV	CHARTER COMMUNICATIONS	(931) 372-2889	MR. JOE HUNTER	38 WEST BROAD STREET	COOKEVILLE	TN	38501
CABLE TV	COMCAST(XFINITY)	(865) 719-7590	MR. JOSHUA JONES	5720 ASHEVILLE HIGHWAY	KNOXVILLE	TN	37924
CABLE TV	SPIRIT BROADBAND	(877) 638-2110	MR. RONALD STAGE	8279 HORTON HIGHWAY	COLLEGE GROVE	TN	37046
FIBER OPTICS	VOLFIRST	(931) 484-5097	PRESIDENT RICHARD BOYD	354 WEST AVENUE	CROSSVILLE	TN	38557
ELECTRIC	VOLUNTEER ENERGY COOPERATIVE	(423) 334-7001	MR. RODY BLEVINS	18359 HIGHWAY 58 NORTH	DECATUR	TN	37322
ELECTRIC	TENNESSEE VALLEY AUTHORITY	(423) 751-8275	MR. JEFF NELSON	1101 MARKET ST MR3F	CHATTANOOGA	TN	37402
GAS	UPPER CUMBERLAND GAS UTILITY DISTRICT	(931) 484-9380	MR.CHARLES HERCHER	8318 CHESTNUT HILL ROAD	CROSSVILLE	TN	38571
TELEPHONE	FRONTIER/CITIZENS COMMUNICATIONS COMPANY	(931) 528-0534	MR. DON SMITH	250 SOUTH FRANKLIN AVENUE	COOKEVILLE	TN	38501
WATER	CRAB ORCHARD UTILITY DISTRICT	(931) 484-6987	MR. EVERETT BOLIN	2089 EAST 1ST STREET	CROSSVILLE	TN	38555-4659
SEWER	FAIRFIELD GLADE COMMUNITY CLUB	(931) 484-3780	MR. TIM MARTIN	7827 PEAVINE ROAD	FAIRFIELD GLADE	TN	38558-2000

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DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY NOTES & UTILITY OWNERS

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

R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA ACRES			AREA TO BE ACQUIRED ACRES			AREA REMAINING ACRES		EASEMENT (SQUARE FEET)		
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE BK.	DEED DOCUMENT REFERENCE PAGE	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM. DRAINAGE	SLOPE	CONST.
1	WILLIAM F. & PATRICIA GRAHAM	88	16.01	1007	1139	9.034		9.034	1.779		1.779	7.255		1614		
* 2	JAMES & JOANNE CANELLES	88	18	530	193		13.303	13.303		1.661	1.661		11.642			0.239 AC
*	SAME AS ABOVE	88	62.01	512	571											
3	RALPH T. & GENEROSA ELLIOTT	88	15.02	467	429	3.061		3.061	2155 S.F.		2155 S.F.	3.012				
4	GAMA MANAGEMENT INC.	88	15.01	1212	219	0.870		0.870	0.373		0.373	0.497				
5	RANDELL PARSONS	88	15	1189	1226	2.880		2.880	0.304		0.304	2.576				
6	JAMES & JOANNE CANELLES	89	62.01	512	571		3.173	3.173		0.774	0.774		2.399			
7	PATRICIA CAREY AND MICHAEL PARSONS	89	62	1068	694		3.232	3.232		0.455	0.455		2.777			
8	COLONIAL SQUARE LLC.	89	2.01	1196	1486	11.377	335 S.F.	11.385	1.418	335 S.F.	1.426	9.959				
9	SHARON D. FRANKLIN	89	61	315	298		6.348	6.348		0.651	0.651		5.697		59	113
10	FAIRLENA J. GASTON	89	60.02	340	738		0.451	0.451		0.119	0.119		0.332			
11	JAMES BRUCE & JUDY ANN WENDT	89	60.01	493	641		0.544	0.544		3498 S.F.	3498 S.F.		0.464			
12	ROBERT & MICHELE FILECCIA	89	60.05	1106	1682		1.843	1.843		2233 S.F.	2233 S.F.		1.792			
13	MICHEAL & ANGELE NIEMEN	89	2	425	108	1.466	853 S.F.	1.486	0.602	853 S.F.	0.622	0.864				
14	CONRAD A. MILLER TRUSTEE	89	60	1254	585		0.569	0.569		2739 S.F.	2739 S.F.		0.506			
15	RICHARD L. & LINDA K. HOUSTON	89	60.04	446	719		6.130	6.130		0.133	0.133		5.997			
16	MARK S. TEEPLE	89	3	1076	2301	2.819	57 S.F.	2.820	0.450	57 S.F.	0.451	2.369				
17	CYNTHIA L. & DWIGHT L. BRIDGES	89	60.03	321	442		0.679	0.679		3493 S.F.	3493 S.F.		0.599			
18	LYNN A. MILLER TRUSTEE REV. LIV. TRUST	89	59	1256	69		2.332	2.332		0.158	0.158		2.174			
19	TIMOTHY JAY & CYNTHIA POTTER	89	4.03	523	5	18.260		18.260	0.414		0.414	17.846				
20	RANDALL NEAL	89	63	1047	2381		6.130	6.130		0.225	0.225		5.905			
21	J. H. POTTER	89	4	1092	2071	8.110		8.110	0.582		0.582	7.528				
22	HAROLD W. JR. & TERESA COOPER	89	4.04	1319	1463		1.867	1.867		0.420	0.420		1.447			
23	HAROLD W. JR. & TERESA COOPER	89	4.01	403	17		3.044	3.044		1608 S.F.	1608 S.F.		3.007			
24	CHRIS P. WALKER AND WIFE JANICE D.	89	56	1293	1003		9.140	9.140		0.333	0.333		8.807			
	SAME	89	56	1293	1003											
25	CLYDE POTTER	89	5	67	314	25.291		25.291	0.765		0.765	24.526				
26	DAVID V. MILLER	89	55	1239	165		12.230	12.230		0.281	0.281		11.949			
26A	RANDAL PETRIE	89	55.01	1134	304		1.900	1.900		0.239	0.239		1.661			
27	MICHEAL & ANGELE NIEMEN	89	6	417	540	2.000		2.000	0.268		0.268	1.732				
28	JANICE SUSAN WILKEN	89	9	1289	1428		12.348	12.348		0.534	0.534		11.814	644	0.105 AC	0.129 AC
29	RONNIE L. & MILDRED J. THOMAS	89	7	252	320	5.652		5.652	0.372		0.372	5.280			460	0.145 AC
30	ELI STERNBUCH & MIRIAM STERNBUCH	89	11	1366	2303		0.824	0.824		3220 S.F.	3220 S.F.		0.750		2454	1668
30-S	ELI STERNBUCH & MIRIAM STERNBUCH	89	11	1366	2303		1259 S.F.	1259 S.F.					1259 S.F.	1259		
31	PEAVINE PLAZA INC.	89	8	1210	1957	6.749		6.749	0.172		0.172	6.577				3610
32	LINVIL & VIRGINIA PARSONS BLAYLOCK	89	14.01	1190	878		5.194	5.194		0.331	0.331		4.863	288	1320	0.149 AC
32-S	LINVIL & VIRGINIA PARSONS BLAYLOCK	89	14.01	1190	878		375 S.F.	375 S.F.					375 S.F.	375		
32-S1	LINVIL & VIRGINIA PARSONS BLAYLOCK	89	14.01	1190	878		231 S.F.	231 S.F.					231 S.F.	231		
33	J. RANDALL CROWDER	76	9	1187	1118	3.825		3.825	2656 S.F.		2656 S.F.	3.764			55	1196
34	STONE FAMILY LP OF CUMBERLAND CO.	76	20	1049	152	81.200		81.200	0.429	0.360	0.789	80.771		563	2648	0.124 AC
35	JAMES & CAROLYN SULLIVAN	76	9.01	1297	235	1.398		1.398	2857 S.F.		2857 S.F.	1.332		276	386	2052
35-S	JAMES & CAROLYN SULLIVAN	76	9.01	1297	235	213 S.F.		213 S.F.				213 S.F.		213		
36	DELOY & BETTY J. DAVENPORT	89	18	1135	48		2.286	2.286		0.228	0.228		2.058		1271	0.182 AC
37	LANDSCAPE SOLUTIONS CO.	76	10	1219	76	1.347		1.347	4216 S.F.		4216 S.F.	1.250		434	238	1830
38	VICKIE & DAVID D. WYATT	89	19	1295	2023		2.140	2.140		0.169	0.169		1.971	1186	3893	1150
39	MARCIA L. McGUCKIN	76	11.01	1346	2056	0.456		0.456	1516 S.F.		1516 S.F.	0.421		192		606
40	KENNETH A. BANEGAS	76	11	1295	676	0.825		0.825	2977 S.F.		2977 S.F.	0.757		279	44	1283
41	AUSTIN & LARUE HAMBY	76	12.01	1026	1855	8.830		8.830	0.202		0.202	8.628		309	728	3479
	SAME	76	12.02	1096	938											
42	MARY L. BLAIR	89	20.01	1366	1707		3.848	3.848		0.109	0.109		3.739		1658	2213
43	SHERRIE H. HAWN & JESSEE J. HAWN	89	20	1322	1843		3.643	3.643		1774 S.F.	1774 S.F.		3.602		882	2456
44	JAMES N. & CYNTHIA A. PASQUINELLY	76	12	508	294	5.036	358 S.F.	5.044	0.363	358 S.F.	0.371	4.673				4019
46	J. RANDALL CROWDER	89	21	1305	1840		5.240	5.240		47 S.F.	47 S.F.		5.239		128	433
46	J. RANDALL CROWDER	89	21.01	1197	529		1.059	1.059		42 S.F.	42 S.F.		1.058		1768	2770

* CONST EASMT NEEDED FOR EPSC QTYS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	3A
CONST	2015	STP-101(16)	3A

REV. 10-26-11: COMBINED TRACTS 45 AND 46 INTO TRACT 45.
REV. 11-4-11: CHANGED TRACT 45 TO 46.
REV. 12-19-11: ADDED LINE THROUGH TRACT 6. ADDED SECOND ROW TO TRACT 2. ADJUSTED AREAS FOR TRACTS 24 AND 26. ADDED TRACT 26A. MOVED TRACTS 47 & 48 TO SHEET 3B.
REV. 5-10-12: CORRECTED SLOPE EASEMENT AREA FOR TRACT 29. CORRECTED SLOPE AND CONST. ESMT. AREAS FOR TRACT 30. UPDATED DRN. ESMT. AREA FOR TRACT 38.
REV. 6-12-12: UPDATED PROPERTY OWNER NAME FOR TRACTS 5, 39, 42, AND 43. UPDATED DEED BOOK AND PAGE FOR TRACTS 22, 26, 26A, 34, 39, 42, AND 43. UPDATED TOTAL AREA FOR TRACTS 19, 20, 21 27, 34, AND 41. UPDATED SLOPE ESMT. AREA FOR TRACT 34.
REV. 7-24-12: REVISED CONST. ESMT. ON TRACT 36
REV. 7-27-12: REVISED DRAIN. ESMT. ON TRACT 38
REV. 08-20-12: ADDED PERM. DRAIN. EASMT TO TRACT 1.
REV. 09-05-12: REVISED TRACT 5 PER ROW REQUEST.
REV. 09-24-12: REVISED TRACT 17, 18, & 20. ADDED CONST EASMT TO TRACT 2.
REV. 10-02-12: REVISED TRACT 17.
REV. 11-26-12: REVISED TRACT 37. ADDED TRACT 30-S,32-S,35-S.
REV. 1-16-13: REVISED DRAIN EASMT TO TRACT 37.
REV. 5-22-13: REVISED PROPERTY OWNERS NAME, DEED BOOK AND PAGE NO. FOR TRACT 30. ADDED TRACT 30-S1 AND 32-S1. ADDED CONST EASMT TO TRACT 2-S. ADDED TRACT 9-S. ADDED EPSC NOTE.
REV. 5-29-13: REVISE TRACT 4.
REV. 6-11-13: REVISE TRACT 2. REMOVED TRACT 9-S AND 30-S1.
REV. 7-09-13: REVISE TRACT 4 AND 10.
REV. 7-24-13: REVISE TRACT 4.

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RIGHT-OF-WAY ACQUISITION TABLE

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R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA ACRES			AREA TO BE ACQUIRED ACRES			AREA REMAINING ACRES		EASEMENT (SQUARE FEET)		
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE BK.	DEED DOCUMENT REFERENCE PAGE	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM. DRAINAGE	SLOPE	CONST.
47	CHRISTINE J. SCHMITT	89	22	1189	1988		0.983	0.983					0.983	269	564	2290
48	GWEN F. GUITAR & DENNIS R. IRVING	76	13.01	1089	1799	2.317	1985 S.F.	2.363	0.238	1985 S.F.	0.284	2.079				2706
49	INA IMES MAY GILBERT, LEAMON N. & BETTY L. BARNETT	76	15	1316	983	34.110	0.331	34.441	0.757	0.331	1.088	33.353		227	2950	0.102 AC
50	DANO A. ANDERSON & WF MARY G. ANDERSON	89B/A	20	487	9		1.397	1.397		4157 S.F.	4157 S.F.		1.302			836
51	JACK & WANDA PLEASANT, ETUX	89 B/A	17	510	340		0.444	0.444		239 S.F.	239 S.F.		0.439			
52	RONALD F. WEB & MICHAEL ELLIS	89B/A	18.01	1261	850		0.744	0.744		1846 S.F.	1846 S.F.		0.702			
53	JAMES N. PASQUINELLY	89B/A	19	1173	2042		0.161	0.161		808 S.F.	808 S.F.		0.142			
54	LEAMON & CAROLYN BARNETT	76	14	144	359	1.854	0.134	1.988	0.250	0.134	0.384	1.604		49	0.134 AC	2667
55	EQUITY TRUST CO.	76	14.01	1202	1175		0.344	0.344		0.115	0.115		0.229			
56	MICHAEL S. & ARBANDA KAY KIRKLAND	76	15.03	1012	1765	0.850	695 S.F.	0.866	2009 S.F.	695 S.F.	2704 S.F.	0.804		1298	255	316
57	EQUITY TRUST CO.	76	18.02	1231	240		0.731	0.731		0.172	0.172		0.559			
58	CALVIN L. & SUSAN K. SMART	76	16	1112	327	14.226	0.212	14.438	0.373	0.212	0.585	13.853		1428	0.101 AC	2706
59	WILLIAM ALFRED & HELEN FRANCIS WATSON	76	16.01	286	73	0.894	3652 S.F.	0.978	0.177	3652 S.F.	0.261	0.717		302	585	1782
60	RUSSELL W. III & FAYE L. LEWIS	76	17.01	425	421	13.921	0.257	14.178	0.455	0.257	0.712	13.466	0 S.F.		151	0.109 AC
61	JOHN A. & PAMELA P. FOUNTAIN	76	19.02	1051	2153	7.912	0.162	8.074	0.248	0.162	0.410	7.664		213	648	2228
62	LARRY DEAN COTTRELL	76	19.04	1226	735	2.468	0.207	2.675	0.330	0.207	0.537	2.138		21	89	3276
63	ALLEN K. & CHANDRA J. COTTRELL	76	19.03	1041	248	5.371	0.176	5.547	0.330	0.176	0.506	5.041			2416	4149
64	LARRY DEAN COTTRELL	76	19	1226	735	35.241	0.291	35.532	0.533	0.291	0.824	34.708		395	3702	0.143 AC
64-S	LARRY DEAN COTTRELL	76	19	1226	735	34.708		34.708				34.708		707		
65	JAMES A. & DONNA HARRIS	76	18.20	394	715		1.220	1.220		0.109	0.109		1.111			
66	TEMPIE J. COTTRELL	76	19.01	503	597	0.992	0.126	1.118	0.226	0.126	0.352	0.766				2141
67	LAWRENCE S. STONE, ET AL	76	26.02	1176	2285	13.478	1.459	14.937	2.696	1.459	4.155	10.782		2309	0.247 AC	0.718 AC
67-S	LAWRENCE S. STONE, ET AL	76	26.02	1176	2285	2500 S.F.		2500 S.F.				2500 S.F.		2500		
68	CUMBERLAND CO. BANK	76N/A	3	1366	1820		0.740	0.740		662 S.F.	662 S.F.		0.725			
69	JOHN R. STANCZAK	76N/A	3.01	1206	1288		0.656	0.656		2196 S.F.	2196 S.F.		0.606			
69-S	SCOTT J.LOOSCHEN AND MALINA L.OSBORNE	76N/A	3.01	1387	1368		0.606	0.606					0.606	0.121 AC		
70	JOSEPH JUSTICE & WF MYRA JUSTICE & GARY WALKER & WF DEEN ANN WALKER	76N/A	3.02	1205	1266		1.474	1.474		460 S.F.	460 S.F.		1.463			
70-S	JOSEPH JUSTICE & WF MYRA JUSTICE & GARY WALKER & WF DEEN ANN WALKER	76N/A	3.02	1205	1266		634 S.F.	634 S.F.					634 S.F.	634		
71	BILLY HOPPER JR. & MELBA LEA	76N/A	5	1160	1727		0.897	0.897		2722 S.F.	2722 S.F.		0.835	2899		
72	KEITH RANDAL DUNAWAY	89C/B	17	1251	2128		0.463	0.463		0.113	0.113		0.350			
72-S	KEITH RANDAL DUNAWAY	89C/B	17	1251	2128		0.463	0.463					0.463			101
73	GARY BREWER	89C/B	17.01	1131	2141		0.456	0.456		1603 S.F.	1603 S.F.		0.419			
73-S	GARY BREWER	89C/B	17.01	1131	2141		0.456	0.456					0.456			300
74	GERALD F. & CAROLYN P. ERAMBERT	76	26	1240	143	6.684	0.344	7.028	0.487	0.344	0.831	6.197			1679	4247
74	GERALD F. & CAROLYN P. ERAMBERT	76	25	399	159											
75	WILLIAM IVO SANDERS	76	26.01	1256	832	0.406	0.110	0.516	0.215	0.110	0.325	0.191			2804	2766
76	MID CONTINENT ENERGY, INC.	76	27.18	289	662		0.538	0.538		0.106	0.106		0.432			1519
77	MARY L. HULL TRUST	76	27.14	1271	1784		1.769	1.769		0.166	0.166		1.603			1354
~~78~~	~~GERALD F. & CAROLYN P. ERAMBERT~~	~~76~~	~~25~~	~~1240~~	~~151~~	~~0.251~~	~~0.154~~	~~0.405~~	~~0.132~~	~~0.154~~	~~0.286~~	~~0.119~~				~~1152~~
79	WYNDHAM VACATION RESORTS	76M/H	1.01	1257	2226		1.055	1.055		0.261	0.261		0.794			
80	BEULAH L. COTTRELL	76	24	240	458	86.869	0.210	87.079	0.743	0.210	0.953	86.126		40	489	0.263 AC
81	WYNDHAM VACATION RESORTS	76M/H	1.02	1257	2226		0.804	0.804		0.284	0.284		0.520			
82	WYNDHAM VACATION RESORTS	76L/A	36	1257	2226	0.365	6.482	6.847	0.365	1.860	2.225		4.622	1569	0.427 AC	0.541 AC
	SAME	76L/B	1	1257	2226											
82-S	WYNDHAM VACATION RESORTS	76L/A	36	1257	2226		4.622	4.622					4.622	0.162 AC		
~~83~~	~~VIOLA M. SEEBODE~~	76 L/A	12	1301	2498		0.558	0.558					0.558			
84	FIRST BAPTIST CHURCH TRUSTEES	76L/B	2	198	173	0.211	3.334	3.545	0.211	0.883	1.094	1 S.F.	2.451		3460	2868
85	WYNDHAM VACATION RESORTS	76L/B	3	1257	2226	286 S.F.	0.375	0.382	286 S.F.	0.243	0.250		0.132			
137	ELDON C. BURGESS & KATHERINE H. BURGESS	88	20.01	1350	1296					2591 S.F.	2591 S.F.					
138	J.H. GRAHAM III, TRUSTEE	88	17	493	613	14.930		14.930	3899 S.F.		3899 S.F.	14.840				
139	WAYNE STEVENS, TRUSTEE	76	14.02	1052	1789		5.701	5.701		2356 S.F.	2356 S.F.		5.647			
140	EVERETT & OPAL P. MADEN	76N/A	6	175	379		1.057	1.057		227 S.F.	227 S.F.		1.052			
141	BILLY HOPPER AND WIFE SUE HOPPER	~~76~~	~~27.21~~	~~1008~~	~~817~~		~~0.800~~	~~0.800~~					~~0.800~~			
	SAME AS ABOVE	76	27.19	1008	817		1.060	1.060		457 S.F.	457 S.F.		1.050			525
159	J-TENT LLC.	89	3.01	1281	1058	0.584		0.584	0.352		0.352	0.232				
~~160~~	~~DAVID R. & RENEE G. DAVENPORT~~	76	18.01	1226	1299		0.774	0.774					0.774			
193	MILLARD V. OAKLEY	76	23.11	1276	1736	2.110		2.110				2.110		494		
~~194~~	~~MILLARD V. OAKLEY~~	~~76~~	~~23.00~~	~~1252~~	~~2180~~	~~62.000~~		~~62.000~~				~~62.000~~				

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	3B
CONST	2015	STP-101(16)	3B

REV. 10-26-11: PROPERTY OWNER NAME CHANGE, TRACT 49. CORRECTED AREA TO BE ACQUIRED FOR TRACTS 84, 85.
REV. 11-4-11: CORRECTED SLOPE AND CONSTRUCTION EASEMENT AREAS FOR TRACT 84.
REV. 12-19-11: ADDED SECOND ROW FOR TRACT 141. ADDED TRACTS 47 & 48 FROM SHEET 3A. ADJUSTED AREA TO BE ACQUIRED FOR TRACT 50.
REV. 5-10-12: ADDED SECOND LINE FOR TRACT 74. LINED THROUGH TRACTS 78, 83, AND 160. CORRECTED CONST. ESMT. AREA, TRACT 74. ADDED CONST. ESMT. ON TRACTS 76, 77, AND 141. CORRECTED PROPERTY OWNER NAME FOR TRACTS 69 & 70. CORRECTED DEED BOOK AND PAGE FOR TRACT 69. CORRECTED TOTAL AREA, LEFT AND TOTAL, AREA TO BE ACQUIRED, LEFT AND TOTAL, AND CONSTRUCTION EASEMENT AREA FOR TRACT 80. CORRECTED TOTAL AREA LEFT, RIGHT, AND TOTAL, AREA TO BE ACQUIRED LEFT, RIGHT, AND TOTAL, AREA REMAINING LEFT, SLOPE ESMT. AREA, AND CONST. ESMT. AREA FOR TRACTS 63 AND 64.
REV. 6-12-12: UPDATED PROPERTY OWNER NAME FOR TRACTS 68, 75, AND 137. UPDATED DEED BOOK AND PAGE 68. FOR TRACTS 68, 74, AND 137. UPDATED TOTAL AREA FOR TRACTS 64 AND 68. UPDATED SLOPE AND CONST. ESMT. AREAS FOR TRACT 64. UPDATED CONST. ESMT. AREA FOR TRACTS 77 & 80.
REV. 7-12-12: CORRECTED TOTAL AREA AND AREA TO BE ACQUIRED FOR TRACT 64. UPDATED AREA TO BE ACQUIRED AND CONST. ESMT. AREA FOR TRACT 141.

REV. 7-17-12: REVISED TRACT 79

REV. 7-24-12: ADDED CONST. ESMT. ON TRACT 159

REV. 8-07-12: REVISED TRACT 64.

REV. 8-09-12: CORRECTED TRACT 64 AND TRACT 141.

REV. 09-24-12: REVISED TOTAL AREA TO BE ACQUIRED, DRAIN EASMT, AND CONST EASMT ON TRACT 49. ADDED DRAIN EASMT TO TRACT 71. ADDED TRACT 72S & 73S.

REV. 10-10-12: REMOVED CONST. ESMT. ON TRACT 159

REV. 11-26-12: ADDED TRACT 64-S,67-S, 67-S1,82-S,82-S1,82-S2

REV. 5-22-13: ADDED TRACT 69-S, 70-S, 193, AND 194. ADDED DRAIN EASMT TO TRACT 67-S AND TRACT 82-S. UPDATE YEAR.

REV. 5-29-13: ADDED TRACT 8004.

REV. 7-09-13: REVISED AREAS ON TRACT 64 AND 64-S. REVISE PROPERTY OWNERS NAME ON TRACT 82 AND 82-S. ADDED LINE ACROSS TRACT 194. REMOVED TRACT 8004.

REV. 7-24-13: REVISED AREAS ON TRACT 64 AND 64-S. REMOVED TRACT 8004.

REV. 12-2-13: REVISED PROPERTY OWNER NAME ON TRACT 69 & 69-S PER ROW REQ.

REV. 1-13-14: REVISED PROPERTY OWNER NAME ON TRACT 69 AND DEED. PAGE, TOTAL AREA, AND REMAINING AREA PER ROW REQ.

REV. 11-12-14: REVISED TRACT 82-S PER ROW REQ.

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RIGHT-OF-WAY ACQUISITION TABLE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	3E
CONST.	2015	STP-101(16)	3E

REV. 11-4-11: CHANGED TRACT 45 TO 46.
REV. 12-19-11: CHANGED TRACT 6 TO TRACT 2; ADDED Z BAR. DIVIDED TRACT 26 INTO TRACTS 26 AND 26A.

REV. 08-20-12: ADDED ENVIRONMENTAL FEATURES AND ROW EASMENTS.

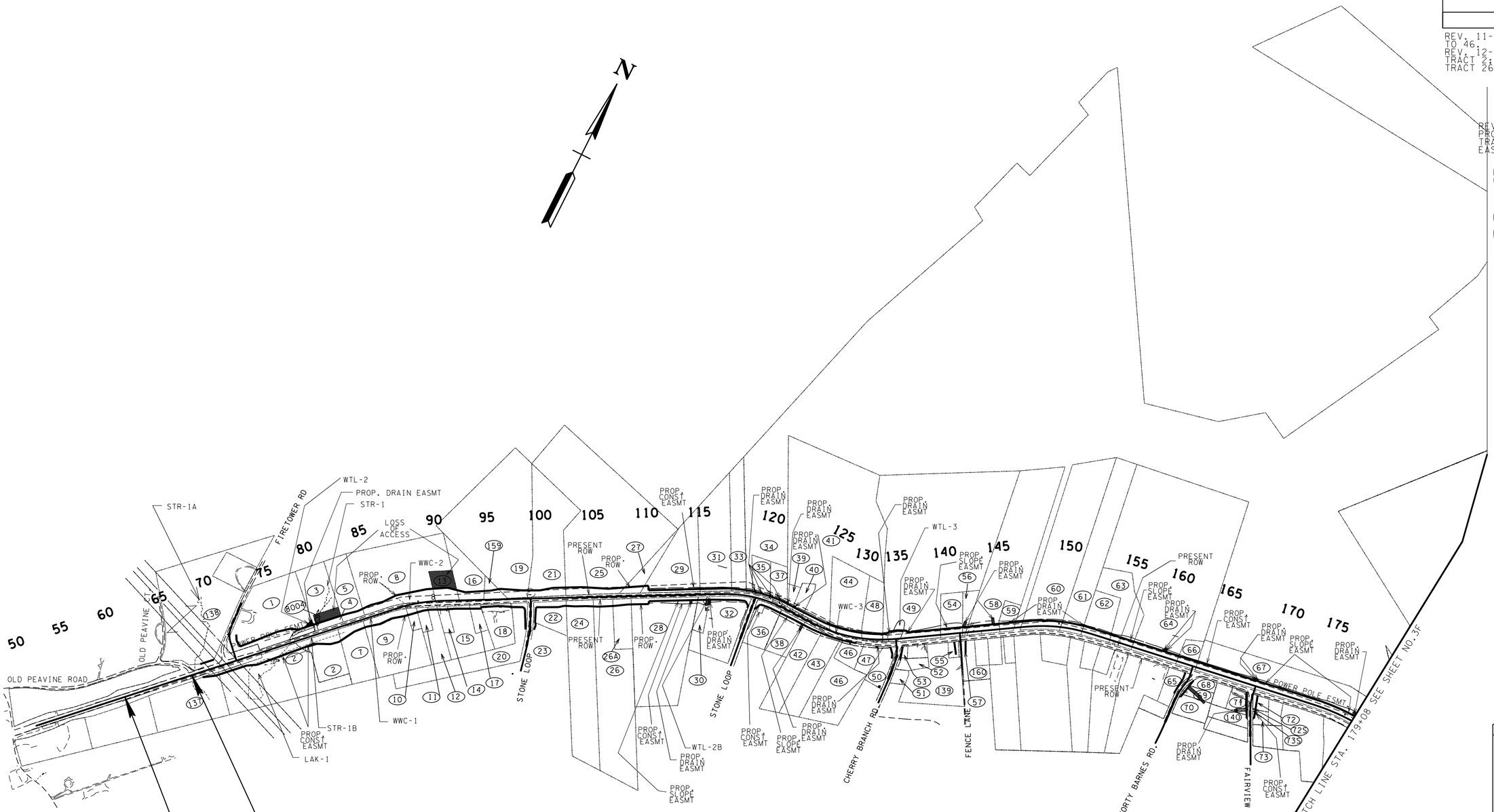
REV. 09-24-12: ADDED PROP DRAIN EASMT TO TRACT 71 AND CONST EASMT TO TRACT 2, 72S & 73S.

REV. 10-10-12: REMOVED CONST ESMT ON TRACT 159.

REV. 11-26-12: ADDED DRAIN EASMTS.

REV. 5-22-13: UPDATE YEAR.

REV. 5-29-13: ADDED TRACT 8004.



STP-101(16)
BEGIN PROJ. 18038-2237-14 (PHASE 1 R.O.W.)
STA. 65+54.40

STP-101(16)
BEGIN PROJ. 18038-3240-14 (PHASE 1 CONST.)
STA. 58+86.00

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FILE NO.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 63+00 TO STA. 178+08
SCALE: 1"=500'

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

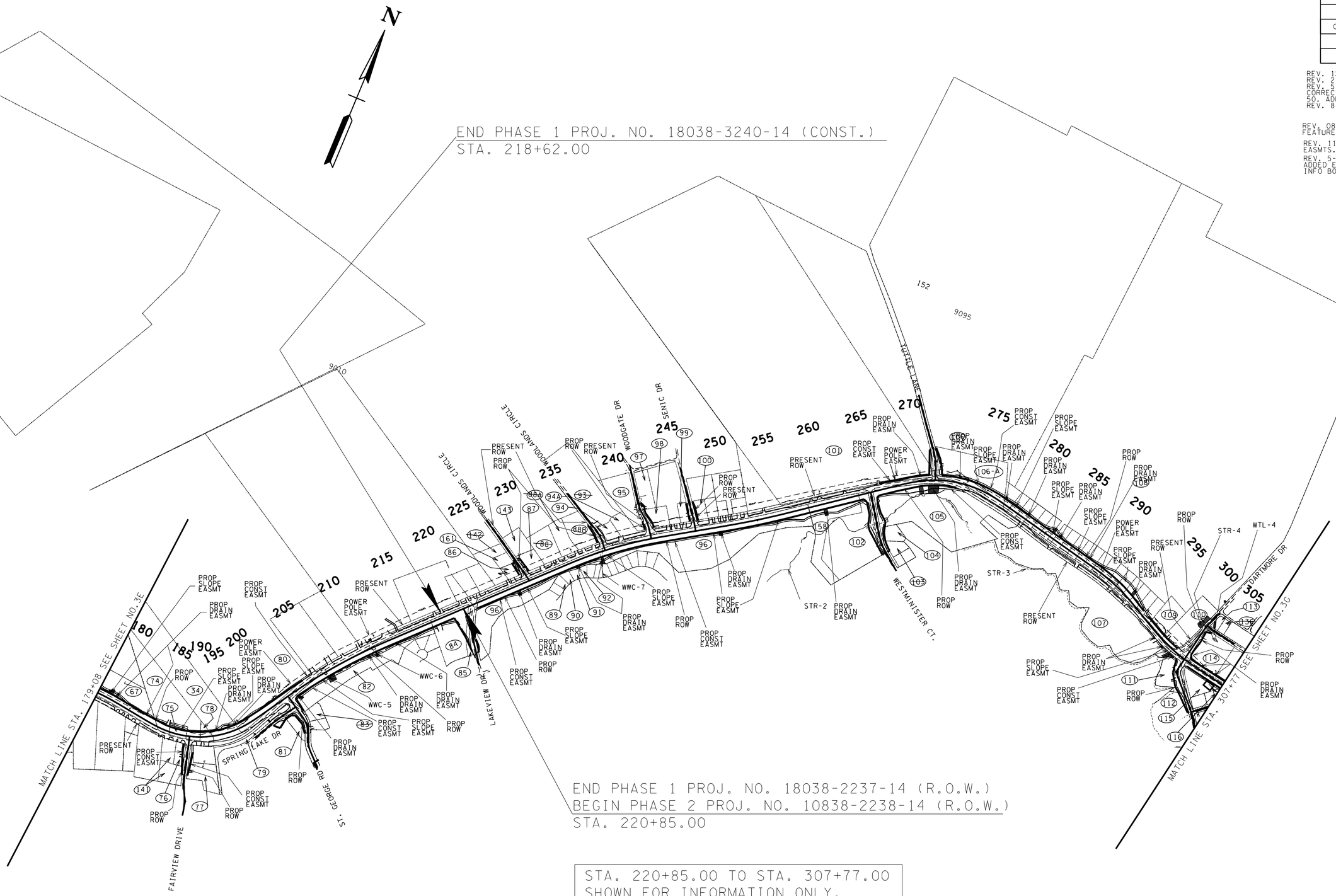
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	3F
CONST	2015	STP-101(16)	3F

REV. 12-19-11: ADDED Z BAR TO TRACT 141.
REV. 2-29-12: LABELED TRACT NUMBER 161.
REV. 5-10-12: ADDED Z BAR TO TRACT 77.
CORRECTE D PROPERTY OWNER NAME ON TRACT 50. ADDED PROPERTY LINE ON TRACT 80.
REV. 8-9-12: REMOVED "Z" BAR FROM TRACT 141.

REV. 08-20-12: ADDED ENVIRONMENTAL FEATURES AND EASEMENTS.

REV. 11-26-12: ADDED DRAIN EASMTS.

REV. 5-22-13: UPDATE YEAR. ADDED END OF CONST. ADDED INFO BOX.



STA. 220+85.00 TO STA. 307+77.00
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 179+08 TO STA. 307+77
SCALE: 1"=500'

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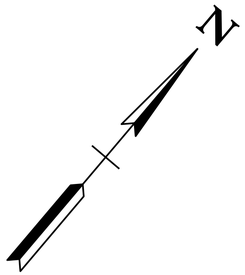
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	3H
CONST	2015	STP-101(16)	3H

REV. 5-22-13- UPDATE YEAR.



TDOT CONTROL POINT
ALUMINUM DISK 18-101-114
N 602255.2300
E 2275841.6510
EL 1795.40
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
1.88 MILES TO MON. ON LEFT.
References:
S.E. 2.25' WITNESS POST
SOUTH 17.50' STOP SIGN
N.W. 19.50' N&C E.P.
AT STA.65+11.31 LT.

TDOT CONTROL POINT
ALUMINUM DISK 18-101-115
N 602616.9680
E 2276182.5240
EL 1811.08
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
1.88 MILES TO MON. ON LEFT.

References:
S.E. 2.25' WITNESS POST
SOUTH 17.50' STOP SIGN
N.W. 19.50' N&C E.P.
AT STA.70+08.08 LT.

TDOT CONTROL POINT
ALUMINUM DISK 18-101-117
N 603441.1010
E 2277072.4490
EL 1817.58
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
2.2 MILES TO MON. ON LEFT.

References:
S.E. 6.85' WITNESS POST
N.W. 6.75' N&C E.P.
SOUTH 19.50' MAPLE CLUMP
AT STA. 80+20.33 LT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-120
N 604276.6070
E 2278325.4610
EL 1904.84
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
2.5 MILES TO MON. ONLEFT.

References:
N.W. 2.20' WITNESS POST
S.E. 4.75' N&C E.P.
S.W. 9.50' POWER POLE
AT STA. 97+33.81 LT

FIRE TOWER RD.

50 55 60 65 70 75 80 85 90 95 100

TDOT CONTROL POINT
ALUMINUM DISK 18-101-116
N 603026.2910
E 2276710.3370
EL 1796.35
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
2.1 MILES TO MON. ON RIGHT.

References:
N.W. 2.10' WITNESS POST
S.E. 9.60' N&C E.P.
N.W. 16.80' 14" WHITE OAK
AT STA.76+71.16 RT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-118
N 603633.5280
E 2277333.7630
EL 1842.26
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
2.8 MILES TO MON. ON RIGHT.

References:
N.W. 2.00' WITNESS POST
S.E. 16.05' N&C E.P.
SOUTH 14.30' END 15" METAL PIPE
AT STA. 85+43.84 RT.

STONE LOOP RD.

TDOT CONTROL POINT
ALUMINUM DISK 18-101-119
N 604001.0980
E 2277912.5770
EL 1883.16
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
2.4 MILES TO MON. ON RIGHT.

References:
S.E. 2.21' WITNESS POST
N.W. 10.75' N&C E.P.
N.E. 31.30' FLOWER BED CORNER
AT STA.92+39.79 RT.

STP-101(16)
BEGIN PROJ. NO.10838-3240-14(CONST.)
STA. 58+86.00

STP-101(16)
BEGIN PROJ. NO. 10838-2237-14 (R.O.W.)
STA. 65+54.40

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REFERENCE CONTROL POINTS

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TENNESSEE D.O.T.
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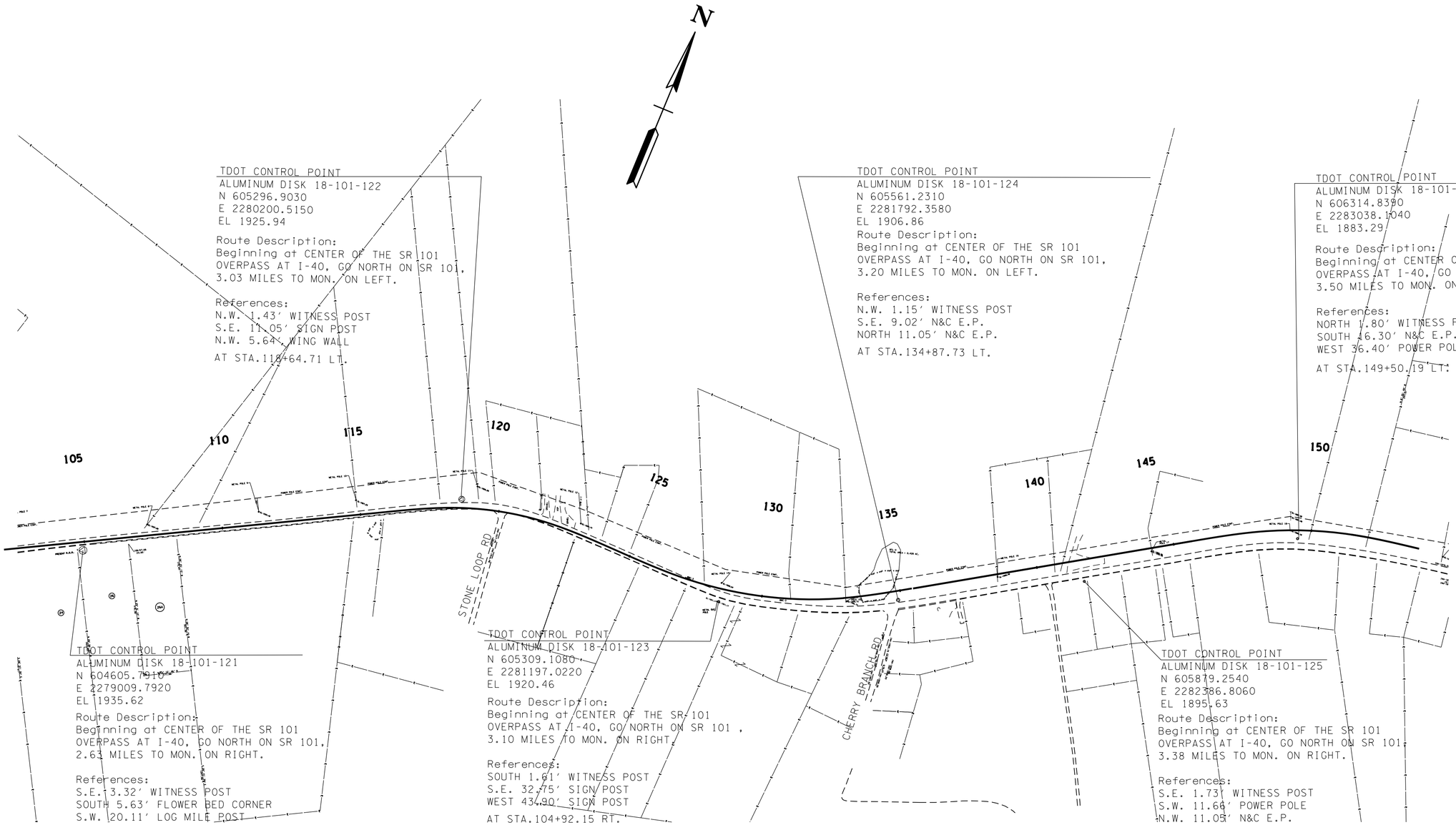
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	3J
CONST	2015	STP-101(16)	3J

REV. 5-22-13- UPDATE YEAR.
REVISE SHEET NUMBER TO 3J



TDOT CONTROL POINT
ALUMINUM DISK 18-101-122
N 605296.9030
E 2280200.5150
EL 1925.94

Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
3.03 MILES TO MON. ON LEFT.

References:
N.W. 1.43' WITNESS POST
S.E. 11.05' SIGN POST
N.W. 5.64' WING WALL

AT STA.118+64.71 LT.

TDOT CONTROL POINT
ALUMINUM DISK 18-101-124
N 605561.2310
E 2281792.3580
EL 1906.86
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
3.20 MILES TO MON. ON LEFT.

References:
N.W. 1.15' WITNESS POST
S.E. 9.02' N&C E.P.
NORTH 11.05' N&C E.P.

AT STA.134+87.73 LT.

TDOT CONTROL POINT
ALUMINUM DISK 18-101-126
N 606314.8390
E 2283038.1040
EL 1883.29

Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
3.50 MILES TO MON. ON LEFT.

References:
NORTH 1.80' WITNESS POST
SOUTH 16.30' N&C E.P.
WEST 36.40' POWER POLE

AT STA.149+50.19 LT.

TDOT CONTROL POINT
ALUMINUM DISK 18-101-121
N 604605.7910
E 2279009.7920
EL 1935.62

Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
2.63 MILES TO MON. ON RIGHT.

References:
S.E. 3.32' WITNESS POST
SOUTH 5.63' FLOWER BED CORNER
S.W. 20.11' LOG MILE POST

AT STA.104+92.15 RT.

TDOT CONTROL POINT
ALUMINUM DISK 18-101-123
N 605309.1080
E 2281197.0220
EL 1920.46

Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101 ,
3.10 MILES TO MON. ON RIGHT.

References:
SOUTH 1.61' WITNESS POST
S.E. 32.75' SIGN POST
WEST 43.90' SIGN POST

AT STA.104+92.15 RT.

TDOT CONTROL POINT
ALUMINUM DISK 18-101-125
N 605879.2540
E 2282386.8060
EL 1895.63

Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
3.38 MILES TO MON. ON RIGHT.

References:
S.E. 1.73' WITNESS POST
S.W. 11.66' POWER POLE
N.W. 11.05' N&C E.P.

AT STA.141+60.14 RT.

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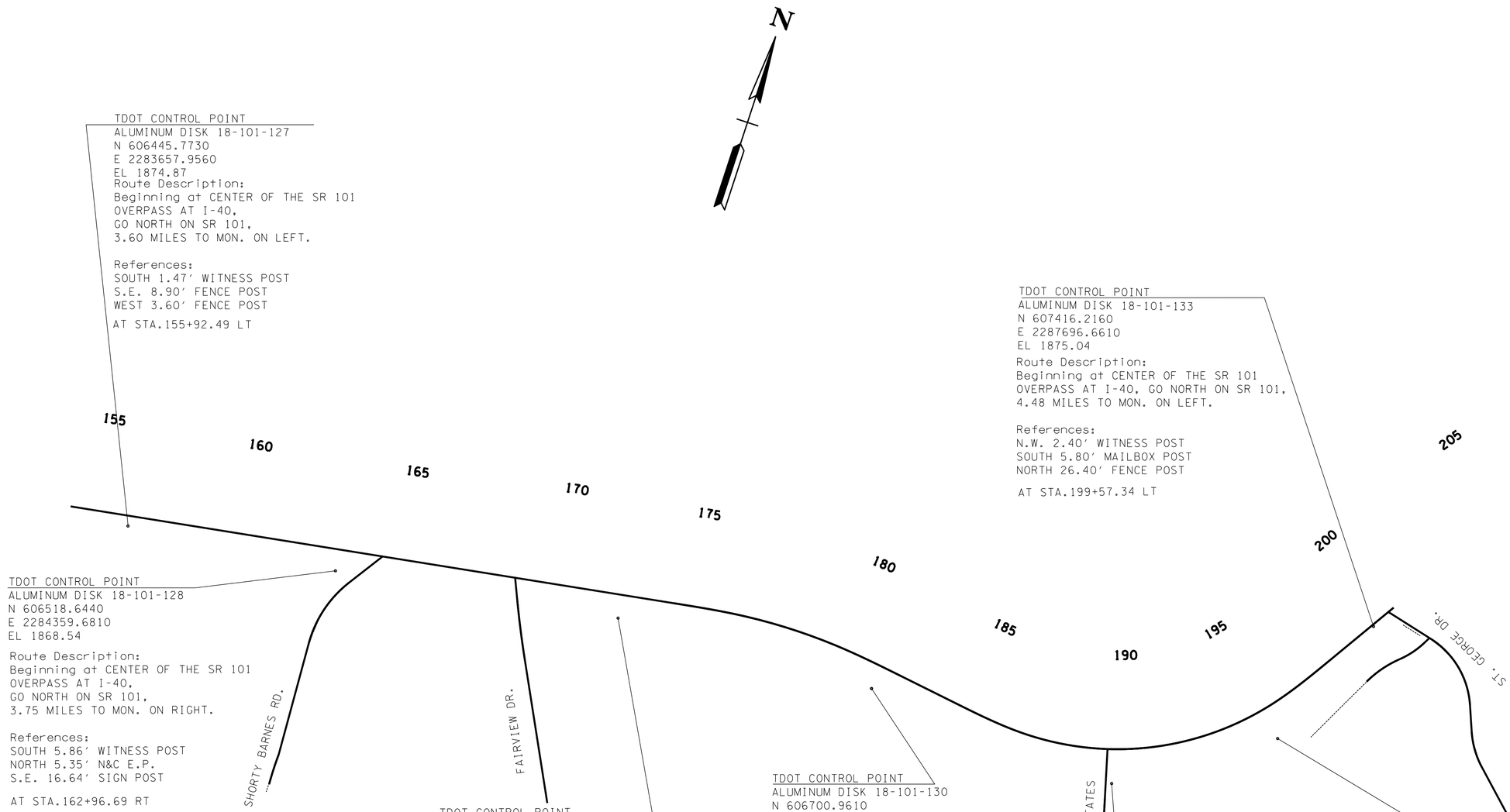
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	3K
CONST.	2015	STP-101(16)	3K

REV. 5-22-13- UPDATE YEAR.
REVISE SHEET NUMBER TO 3K.



TDOT CONTROL POINT
ALUMINUM DISK 18-101-127
N 606445.7730
E 2283657.9560
EL 1874.87
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40,
GO NORTH ON SR 101,
3.60 MILES TO MON. ON LEFT.

References:
SOUTH 1.47' WITNESS POST
S.E. 8.90' FENCE POST
WEST 3.60' FENCE POST

AT STA.155+92.49 LT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-128
N 606518.6440
E 2284359.6810
EL 1868.54

Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40,
GO NORTH ON SR 101,
3.75 MILES TO MON. ON RIGHT.

References:
SOUTH 5.86' WITNESS POST
NORTH 5.35' N&C E.P.
S.E. 16.64' SIGN POST

AT STA.162+96.69 RT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-129
N 606661.3880
E 2285301.4280
EL 1891.97
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40,
GO NORTH ON SR 101,
3.92 MILES TO MON. ON RIGHT.

References:
NORTH 1.89' WITNESS POST
WEST 7.90' FENCE POST
EAST 14.52' TELE. POLE

AT STA.172+49.17 RT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-130
N 606700.9610
E 2286174.9900
EL 1884.89
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40,
GO NORTH ON SR 101 ,
4.10 MILES TO MON. ON RIGHT.

References:
EAST 7.40' WITNESS POST
S.E. 12.30' N&C E.P.
SOUTH 6.45' N&C E.P.

AT STA.181+52.04 RT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-131
N 606648.9930
E 2287031.8120
EL 1894.54

Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
4.28 MILES TO MON. ON RIGHT.

References:
NORTH 2.85' WITNESS POST
SOUTH 7.00' STOP SIGN
NORTH 25.20'

AT STA.189+72.61 RT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-133
N 607416.2160
E 2287696.6610
EL 1875.04
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
4.48 MILES TO MON. ON LEFT.

References:
N.W. 2.40' WITNESS POST
SOUTH 5.80' MAILBOX POST
NORTH 26.40' FENCE POST

AT STA.199+57.34 LT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-132
N 606962.7200
E 2287509.6190
EL 1882.69
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
4.40 MILES TO MON. ON RIGHT.

References:
N.W. 3.10' WITNESS POST
S.E. 9.80' N&C E.P.
N.E. 37.30' SIGN POST

AT STA.194+91.01 RT

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	3L
CONST	2015	STP-101(16)	3L

REV. 5-22-13- UPDATE YEAR.
REVISE SHEET NUMBER TO 3L.
ADDED END OF CONSTRUCTION.

STP-101(16)
END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STA. 218+62.00

TDOT CONTROL POINT
ALUMINUM DISK 18-101-134
N 608228.8640
E 2288209.8610
EL 1864.48
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
4.68 MILES TO MON. ON LEFT.

References:
N.W. 1.60' WITNESS POST
S.W. 24.80' POWER POLE
S.E. 9.80' N&C E.P.
AT STA.209+12.57 LT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-136
N 609651.2060
E 2289573.3420
EL 1883.65
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
5.0 MILES TO MON. ON LEFT.

References:
N.W. 4.20' WITNESS POST
S.W. 33.40' END CULV.
N.E. 32.50' SIGN POST
AT STA.228+79.36 LT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-138
N 610730.1960
E 2290853.6770
EL 1931.84
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
5.35 MILES TO MON. ON LEFT.

References:
S.E. 1.74' WITNESS POST
S.W. 29.80' SIGN POST
N.E. 17.13 METAL CULV.
AT STA.245+40.22 LT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-135
N 609021.7120
E 2288953.1100
EL 1871.88
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
4.88 MILES TO MON. ON LEFT.

References:
N.W. 2.30' WITNESS POST
S.E. 6.50' N&C E.P.
N.E. 26.80' POWER POLE
AT STA.219+95.63 LT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-137
N 610204.5240
E 2290117.2900
EL 1894.56
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
5.20 MILES TO MON. ON LEFT.

References:
S.E. 9.00' WITNESS POST
S.W. 15.15' METAL CULV.
WEST 10.50' CONC. CULV.
AT STA.236+47.43 LT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-139
N 611118.0010
E 2291480.0420
EL 1955.19
Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40, GO NORTH ON SR 101,
5.5 MILES TO MON. ON LEFT.

References:
S.E. 2.70' WITNESS POST
SOUTH 8.30' POWER POLE
N.E. 29.05' MAILBOX POST
AT STA.252+80.70 LT

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STA. 218+62 TO STA. 258+50
FOR INFORMATION ONLY.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

REFERENCE CONTROL POINTS

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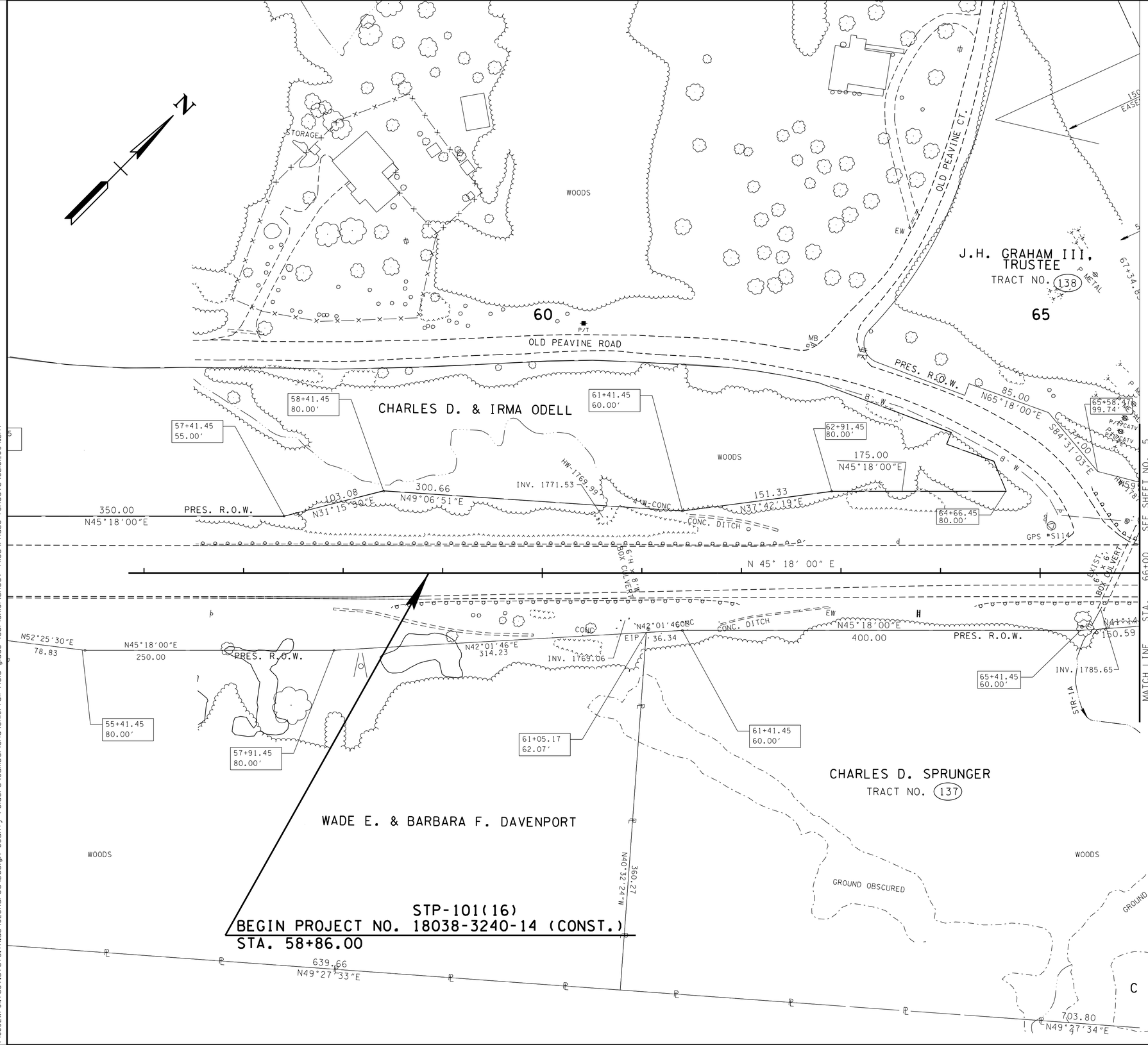
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	4
CONST	2015	STP-101(16)	4

REV. 08-20-12 - LABELED & ADDED ENVIRONMENTAL FEATURE.

REV. 5-22-13 - UPDATE YEAR.



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UNOFFICIAL SET
NOT FOR BIDDING

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. 56+00 TO STA. 66+00

SCALE: 1"= 50'

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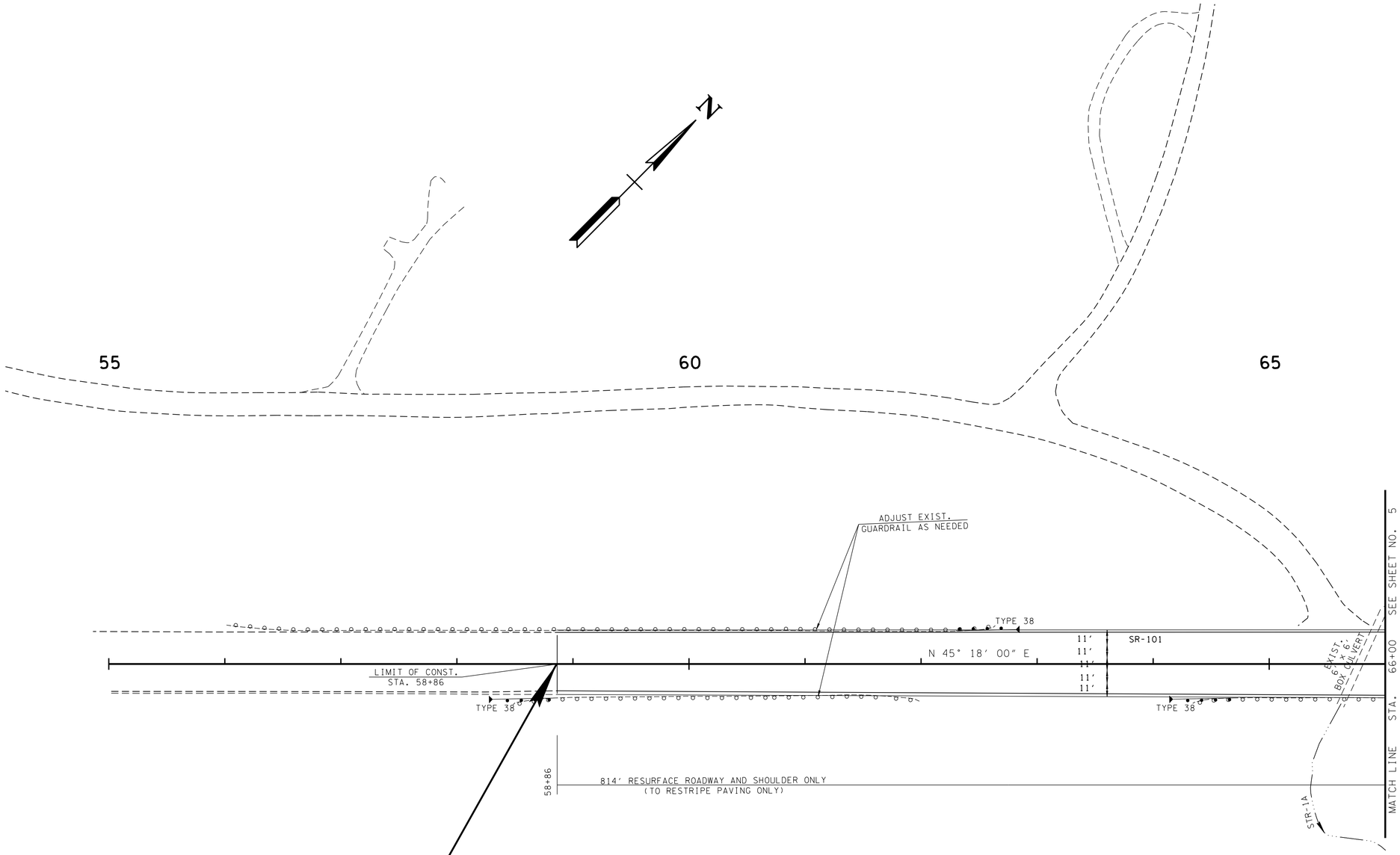
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	4B
CONST	2015	STP-101(16)	4B

REV. 08-20-12 - LABELED & ADDED ENVIRONMENTAL FEATURE, PAVEMENT MARKINGS, AND EXISTING BOX CULV.

REV. 5-22-13 - UPDATE YEAR. REMOVE PVT MARKING. ADDED TYPE 38 TERMINALS.



STP-101(16)
BEGIN PROJECT NO. 18038-3240-14 (CONST.)
STA. 58+86.00

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 56+00 TO STA. 66+00

SCALE: 1"= 50'

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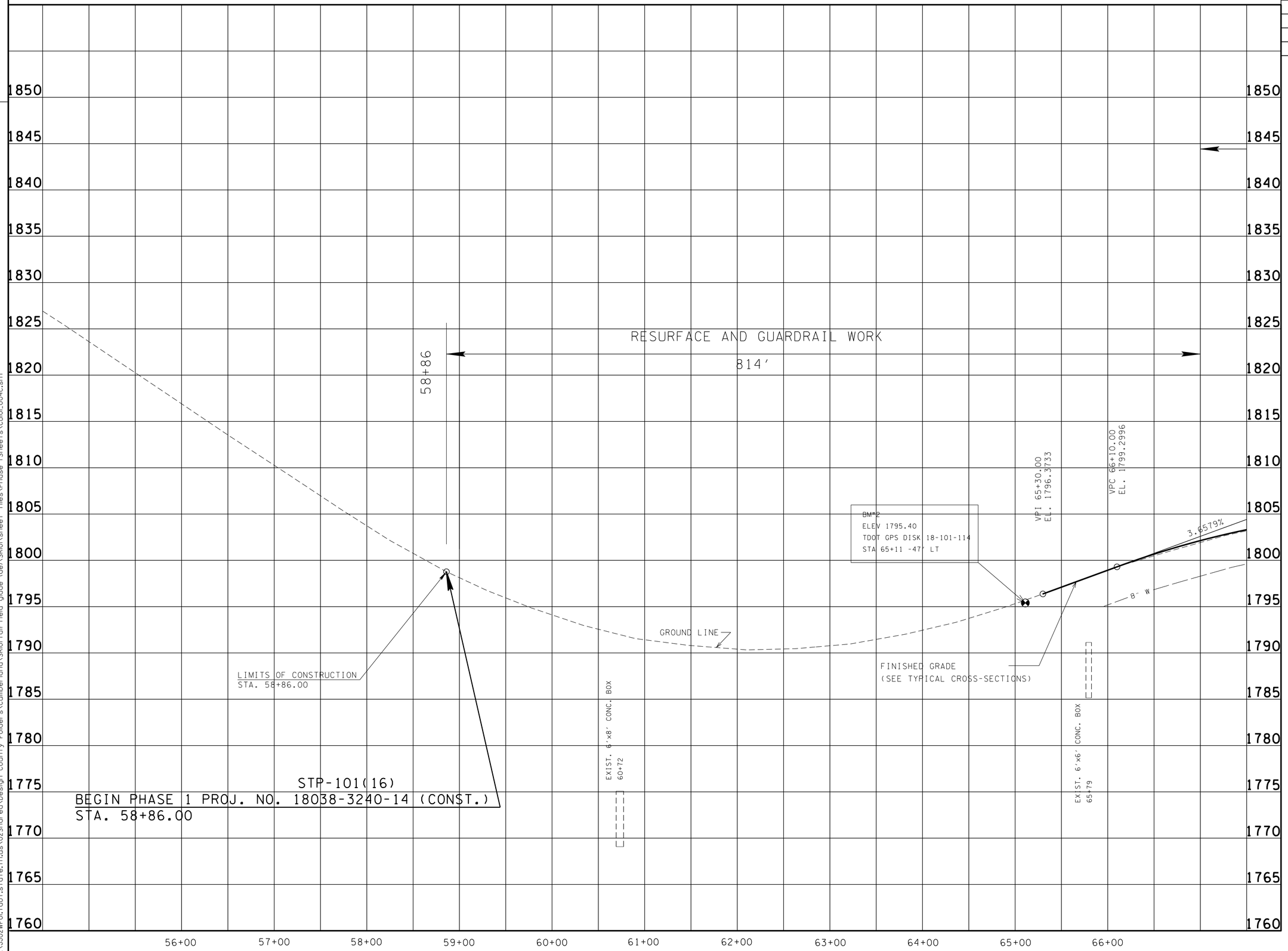
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	4C
CONST	2015	STP-101(16)	4C

REV. 5-22-13- UPDATE YEAR.



SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 56+00 TO STA. 66+00
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.	2010	STP-101(16)	5
CONST	2015	STP-101(16)	5

REV. 1-27-11: LABELED PRESENT & PROP. R.O.W.
REV. 7-12-12: LOCATED UTILITES ON TRACTS 2 AND 138. LOCATED FENCE ON TRACT 2. LOCATED SIGN ON TRACT 1.

REV. 08-20-12 - LABELED & ADDED ENVIRONMENTAL FEATURES.ADDED 6'X4' BOX CULV., TEMP & PERM. IMPACTS. LABELED ROW FEATURES. ADDED SCARIFY LEGEND.

REV. 09-24-12 - REVISED FILL SLOPE TO CUT SLOPE AT STA 68+50 TO STA. 70+50. ADDED STR-1A. REVISED SLOPE LINES PER ENV. REQ. ADDED CONST EASMT TO TRACT 2.

REV. 10-24-12 - RENAMED STR-1B TO WWC-1 PER ENV. REQ.

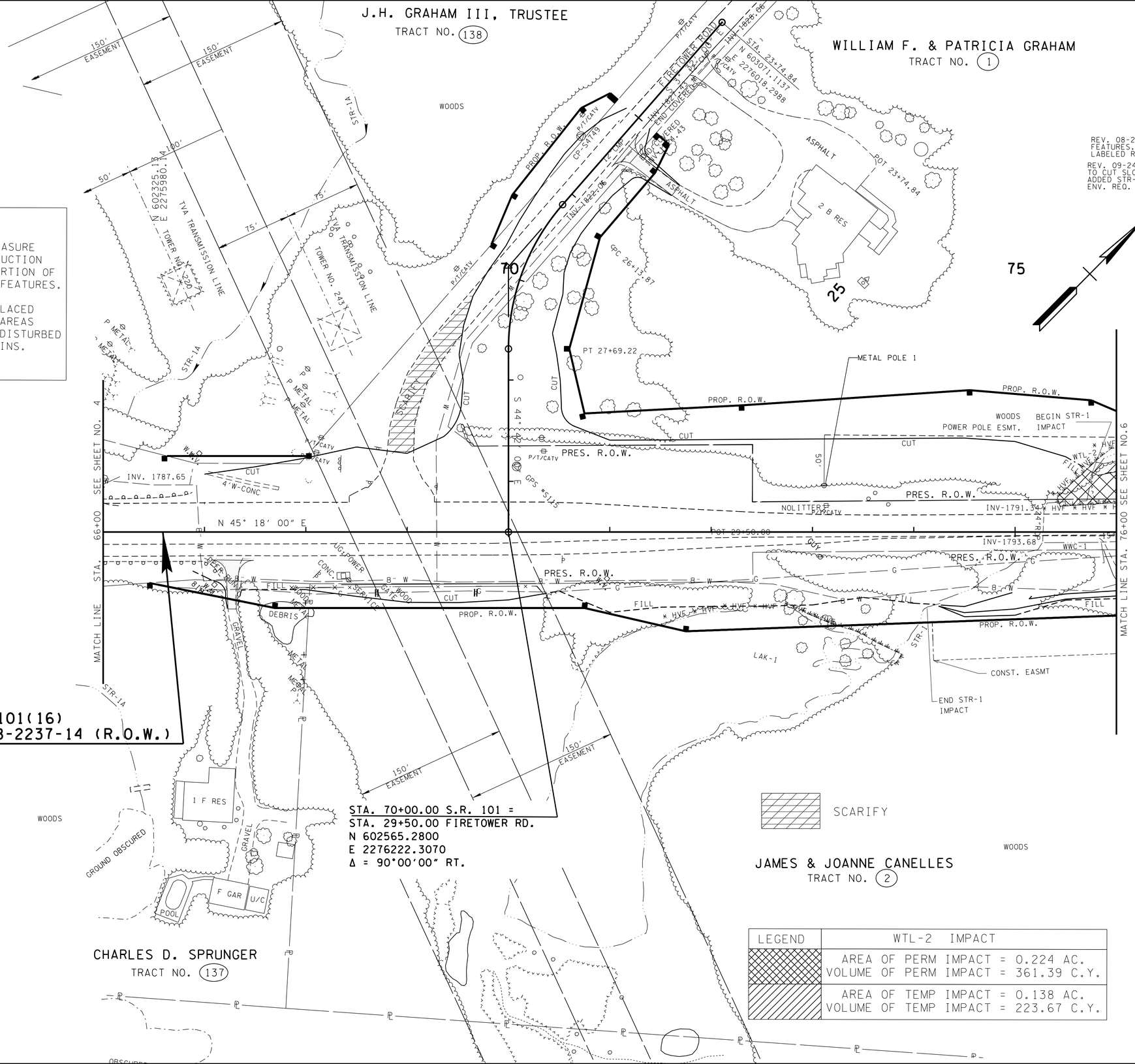
REV. 2-21-13 - ADDED TEMP IMPACT HATCHING TO WTL-2 PER ENV. REQ.

REV. 5-22-13 - UPDATE YEAR. ADDED CONST EASMT TO TRACT 2. ADDED INFO TO EXIST. PIPES.

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.



PROPOSED CURVE DATA

FIRETOWER ROAD
PI 26+95.07
N 602,751.4920
E 2,276,038.0340
Δ 41° 10' 01" (LT)
D 26° 30' 00"
R 216.21
L 155.35
T 81.20
SE 0.065 FT/FT (20 MPH)
RUNOFF 74.12' 94% INSIDE
6% OUTSIDE CURVE

LEGEND	WTL-2 IMPACT
	AREA OF PERM IMPACT = 0.224 AC. VOLUME OF PERM IMPACT = 361.39 C.Y.
	AREA OF TEMP IMPACT = 0.138 AC. VOLUME OF TEMP IMPACT = 223.67 C.Y.

SEALED BY

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COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00013 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PRESENT LAYOUT

STA. 66+00 TO STA. 76+00

SCALE: 1"= 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	5A
CONST	2015	STP-101(16)	5A

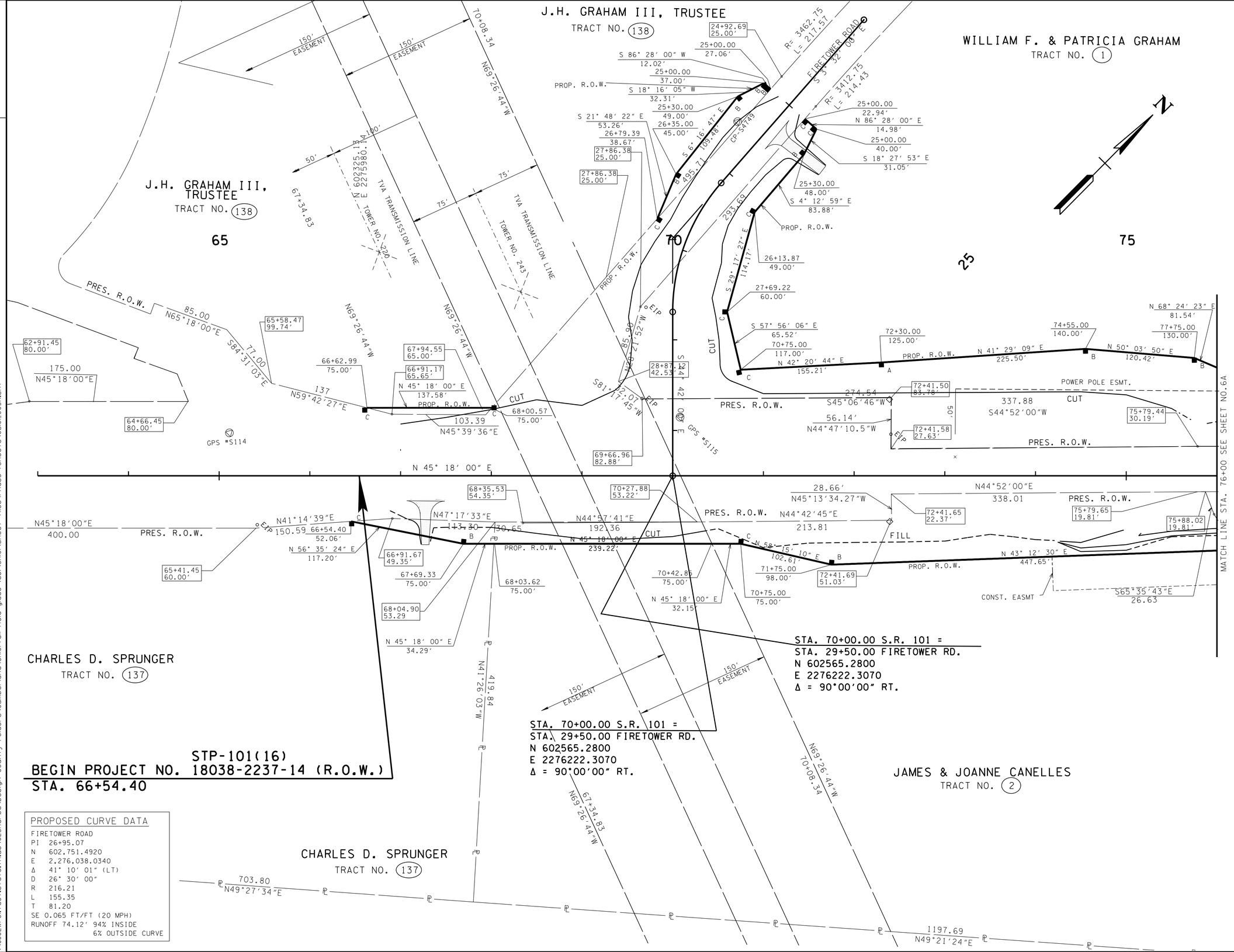
REV. 1-27-11: REMOVED R.O.W. MARKERS.
REV. 5-10-12: CORRECTED BEARINGS ON PRESENT R.O.W. STA. 72+41.

REV. 08-20-12: ADDED 6' X 4' BOX CULV. LABELED ROW FEATURES & SLOPE FEATURES.

REV. 09-24-12: ADDED SIDE ROAD LABEL. ADDED CONST. EASMT TO TRACT 2.

REV. 5-22-13: UPDATE YEAR.ADDED CONST. EASMT TO TRACT 2.

REV. 5-29-13: REMOVE MATCHLINE.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 63+00 TO STA. 76+00

SCALE: 1"= 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	5B
CONST	2015	STP-101(16)	5B

REV. 1/27/11: REMOVED R.O.W. MARKERS.

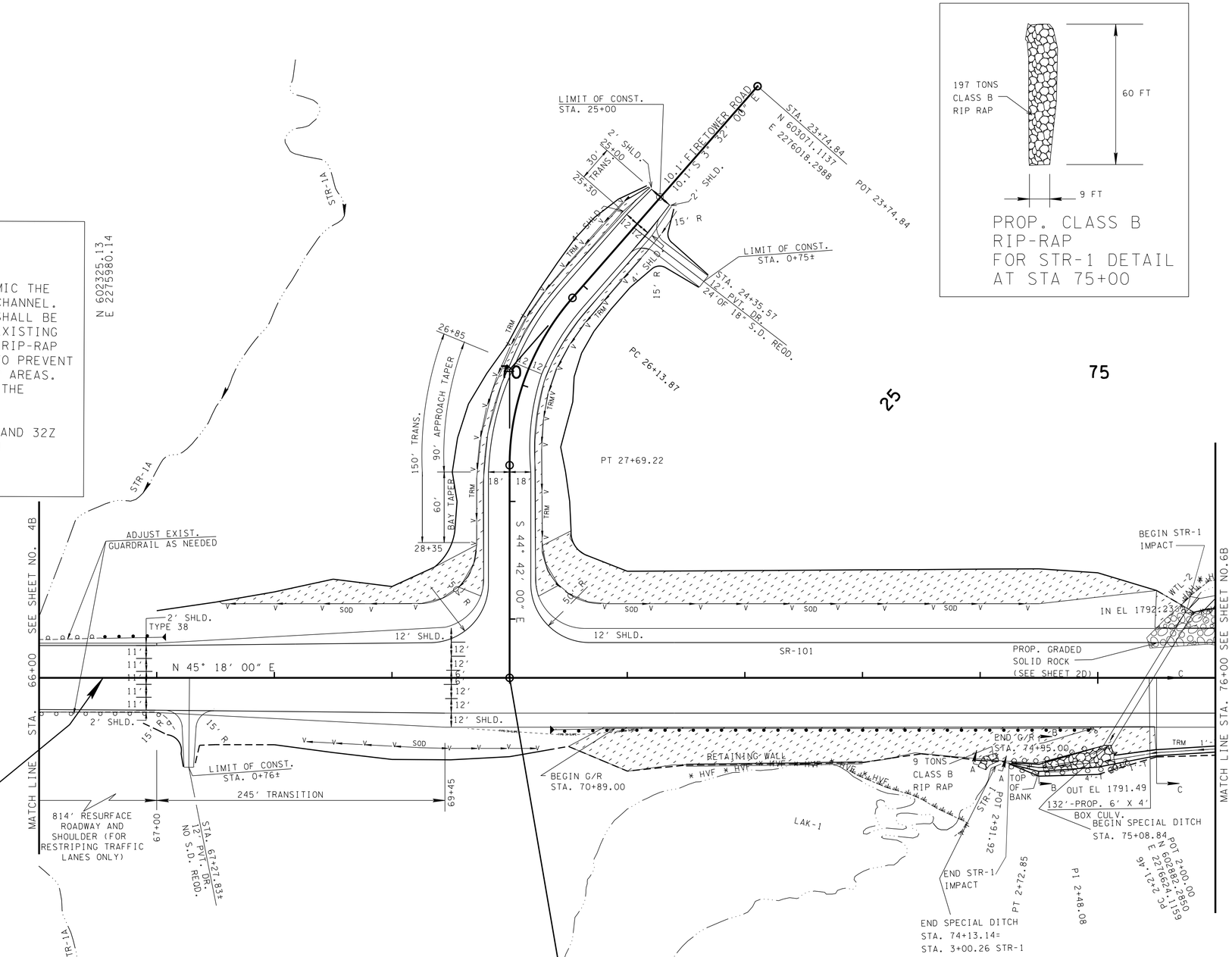
REV. 08-20-12 - ADDED 6'X4' BOX CULV. ADDED SPECIAL NOTES, ENVIRONMENTAL LABEL FEATURES, PAVEMENT MARKINGS, STR-1 RIP-RAP DETAIL, AND STR-1 & STR-1B CROSS-SECTIONS.
REV. 09-24-12 - ADDED G/R BEGIN & END. ADDED PC, PT, AND NORTH EASTING FOR FIRETOWER ROAD. ADDED SPECIAL DITCH ALIGNMENT. REVISED RIP-RAP DETAIL. REVISED TREES, SPECIAL DITCH, & ADDED LABELS AT STR-1/STR-1B PER ENV. REQ. ADDED TREES NOTES, REVISED STR-1 AND STR-1B CROSS-SECTION, AND REMOVED TREES FROM WTL-2 PER ENV. REQ.

REV. 10-24-12 - REVISED STR-1B CROSS-SECTION TO PROP. & EXISTING CHANNEL DETAIL PER ENV. REQ. ADDED NOTE TO SPECIAL NOTES.
REV. 10-29-12 - REMOVED TREES FROM DITCH PER ENV. REQUEST.
REV. 2-21-13 - ADDED TEMP IMPACT HATCHING TO WTL-2 PER ENV REQ.
REV. 5-22-13 - UPDATE YEAR. REMOVE PVT MARKINGS. ADDED CROWN VETCH PATTERN. UPDATE ROADSIDE DITCHES. REVISE 10' DRIVEWAYS TO 12' DRIVEWAYS PER CONST REQ. ADDED PROP. GRADED SOLID ROCK.
REV. 5-29-13 - REVISED STATION DESCRIPTION.

SPECIAL NOTES

RIP-RAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIP-RAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIP-RAP SHALL BE FILL WITH CREEK GRAVEL TO PREVENT LOSS OF STREAM WITHIN THE RIP-RAP AREAS. CREEK GRAVEL CAN BE REMOVED FROM THE CULVERT EXCAVATION AREA.

FOR TREE PLANTINGS SEE SHEET 32Y AND 32Z FOR WETLAND AND STREAM MITIGATION INFORMATION.

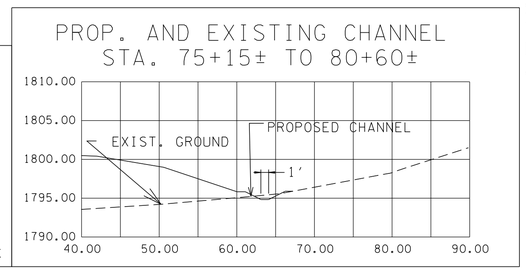


STP-101(16)
BEGIN PHASE 1 PROJ. NO. 18038-2237-14 (R.O.W.)
STA. 66+54.40

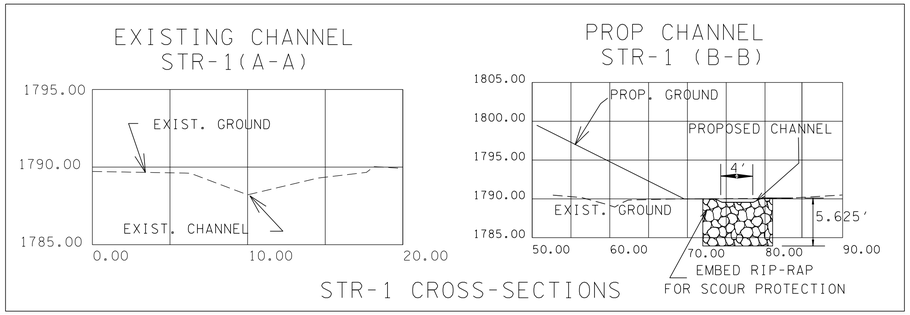
STA. 70+00.00 S.R. 101 =
STA. 29+50.00 FIRETOWER RD.
N 602565.2800
E 2276222.3070
Δ = 90°00'00" RT.

PROPOSED CURVE DATA

FIRETOWER ROAD
PI 26+95.07
N 602,751.4920
E 2,276,038.0340
Δ 41° 10' 01" (LT)
D 26° 30' 00"
R 216.21
L 155.35
T 81.20
SE 0.065 FT/FT (20 MPH)
RUNOFF 74.12' 94% INSIDE
6% OUTSIDE CURVE



ITEM NO. 801-01.02
CROWN VETCH MIXTURE
(W/MULCH)



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 66+00 TO STA. 76+00

SCALE: 1"= 50'

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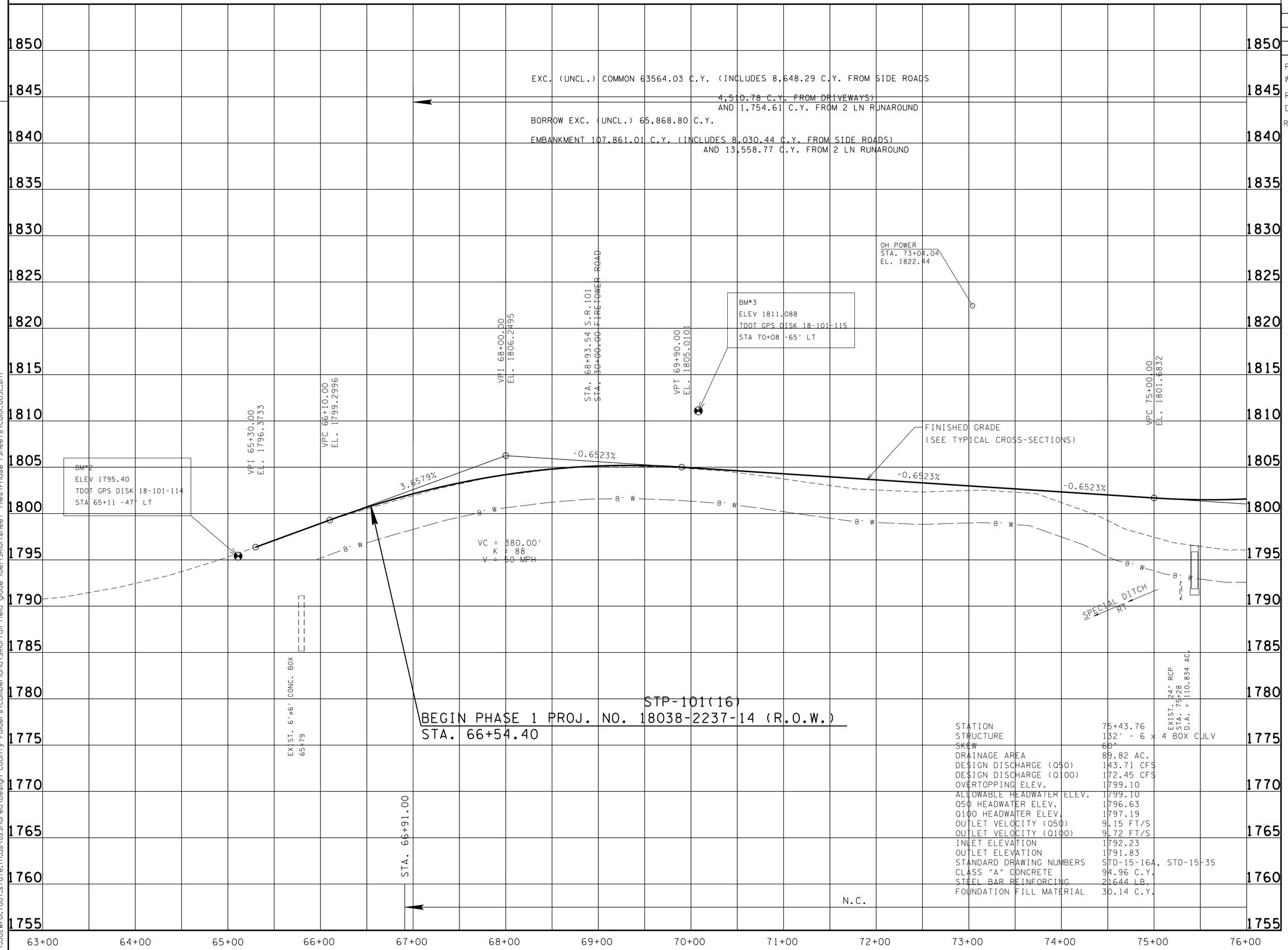
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	5C
CONST	2015	STP-101(16)	5C

REV. 08-20-12 - REPLACED 24" PIPE WITH 6'X4' BOX CULV.
REV. 09-24-12 - ADDED SPECIAL DITCH FOR STR-1 PER ENV. REQ.
REV. 11-26-12 - ADDED GRADING QTYS
REV. 5-22-13- UPDATE YEAR.



STATION	75+43.76
STRUCTURE	132' - 6 x 4 BOX CULV
SKEW	60°
DRAINAGE AREA	89.82 AC.
DESIGN DISCHARGE (Q50)	143.71 CFS
DESIGN DISCHARGE (Q100)	172.45 CFS
OVERTOPPING ELEV.	1799.10
ALLOWABLE HEADWATER ELEV.	1799.10
Q50 HEADWATER ELEV.	1796.63
Q100 HEADWATER ELEV.	1797.19
OUTLET VELOCITY (Q50)	9.15 FT/S
OUTLET VELOCITY (Q100)	9.72 FT/S
INLET ELEVATION	1792.23
OUTLET ELEVATION	1791.83
STANDARD DRAWING NUMBERS	STD-15-16A, STD-15-35
CLASS "A" CONCRETE	94.96 C.Y.
STEEL BAR REINFORCING	21644 LB.
FOUNDATION FILL MATERIAL	30.14 C.Y.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 63+00 TO STA. 76+00
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.	2010	STP-101(16)	6
CONST	2015	STP-101(16)	6

REV. 1-27-11: LABELED PROPOSED R.O.W. CORRECTED LOSS OF ACCESS PATTERN, TRACT 4.
REV. 12-19-11: CHANGED TRACT 6 TO TRACT 2; ADDED Z BAR.
REV. 5-10-12: ADDED SIGN TO TRACT 8. ADDED BUILDING TO TRACT 9.
REV. 6-12-12: UPDAED PROPERTY OWNER NAME FOR TRACT 5.
REV 7-12-12: LOCATED SIGNS ON TRACTS 2, 4, 7, 8, AND 9. LOCATED WATER MAINS ON TRACTS 4 AND 9. LOCATED UTILITES ON TRACTS 3 AND 9. LOCATED PARKING LOT ON TRACTS 4 AND 5.

REV. 08-20-12 - LABELED & ADDED ENVIRONMENTAL FEATURES.ADDED 6'X4' BOX CULV., TEMP & PERM. IMPACTS. SPECIAL NOTES, AND GRADED SOLID ROCK (STR-1B). LABELED ROW FEATURES.

REV. 09-24-12 - REPLACE CULVERT AT STA 78+00/ WITH 2 - 4' CULVERTS. ADDED TOP OF BANK LINES PER ENV. REQ. ADDED CONST EASMT TO TRACT 2. ADDED PERM. IMPACT HATCHING TO WTL-2

REV. 10-24-12 - RENAMED STR-1B TO WWC-1 PER ENV. REQ.

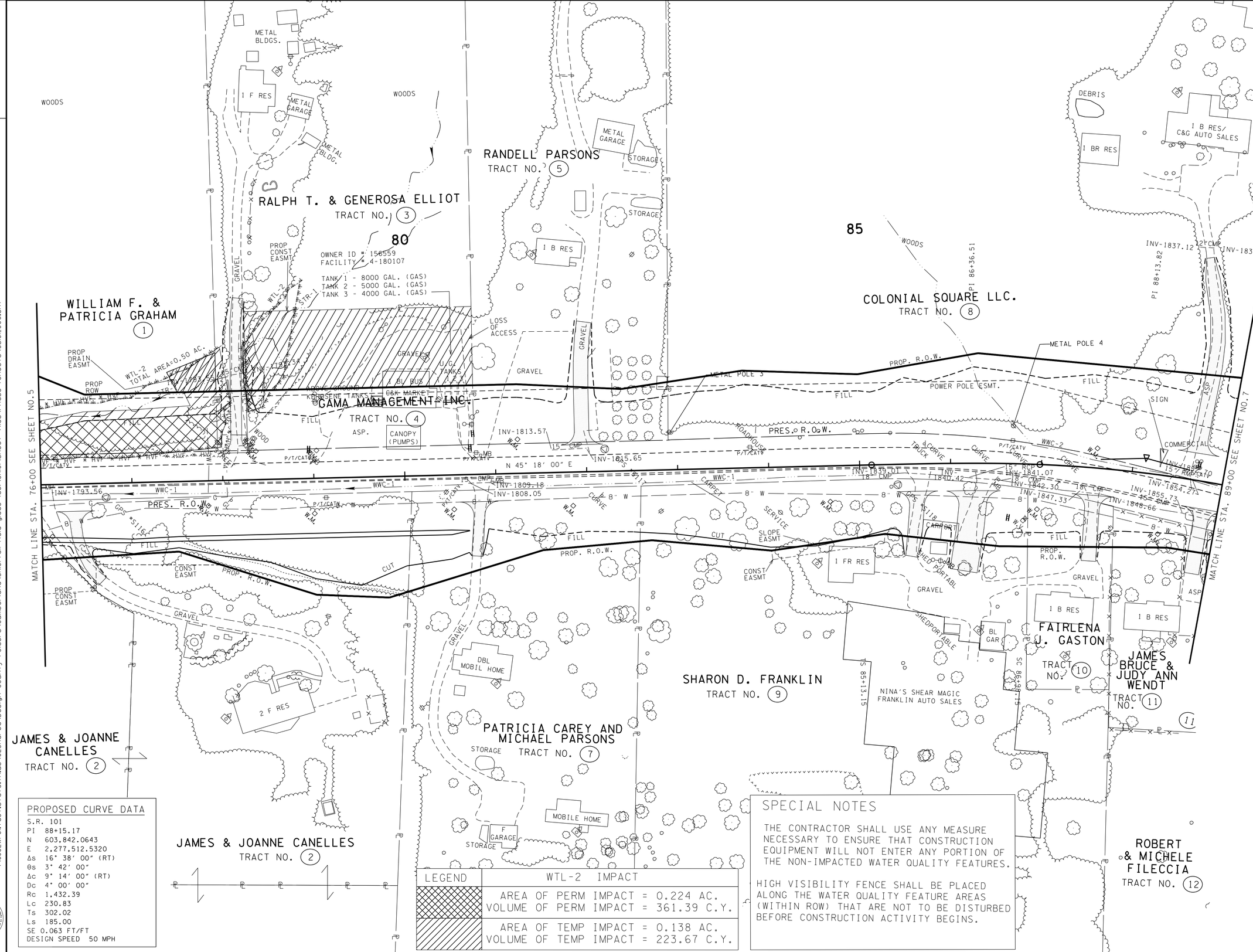
REV. 2-21-13 - ADDED TEMP IMPACT HATCHING TO WTL-2 PER ENV REQ.

REV. 5-22-13 - UPDATE YEAR. ADDED CONST EASMT AND SLOPE EASMT TO TRACT 9-S. ADDED CONST EASMT TO TRACT 2. ADDED INFO TO EXIST. PIPE.

REV. 5-29-13 - ADDED TRACT 8004.

REV. 6-11-13 - REMOVED TRACT 9-S.

REV. 7-09-13 - REMOVED TRACT 8004.



PROPOSED CURVE DATA

S.R. 101
PI 88+15.17
N 603,842.0643
E 2,277,512.5320
Δs 16° 38' 00" (RT)
Θs 3° 42' 00"
Δc 9° 14' 00" (RT)
Dc 4° 00' 00"
Rc 1,432.39
Lc 230.83
Ts 302.02
Ls 185.00
SE 0.063 FT/FT
DESIGN SPEED 50 MPH

LEGEND	WTL-2 IMPACT
	AREA OF PERM IMPACT = 0.224 AC. VOLUME OF PERM IMPACT = 361.39 C.Y.
	AREA OF TEMP IMPACT = 0.138 AC. VOLUME OF TEMP IMPACT = 223.67 C.Y.

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PRESENT LAYOUT

STA. 76+00 TO STA. 89+00

SCALE: 1"= 50'

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Survey & Design Division

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	6A
CONST	2015	STP-101(16)	6A

REV. 1-27-11: CORRECTED LOSS OF ACCESS PATTERN, TRACT 4.
REV. 12-19-11: CHANGED TRACT 6 TO TRACT 2; ADDED Z BAR.
REV. 6-12-12: UPDATED PROPERTY OWNER NAME FOR TRACT 5.

REV. 08-20-12 - LABELED ROW FEATURES & SLOPE FEATURES. ADDED 6'X4' BOX CULV. AND DRAINAGE ESMT TO TRACT 1.

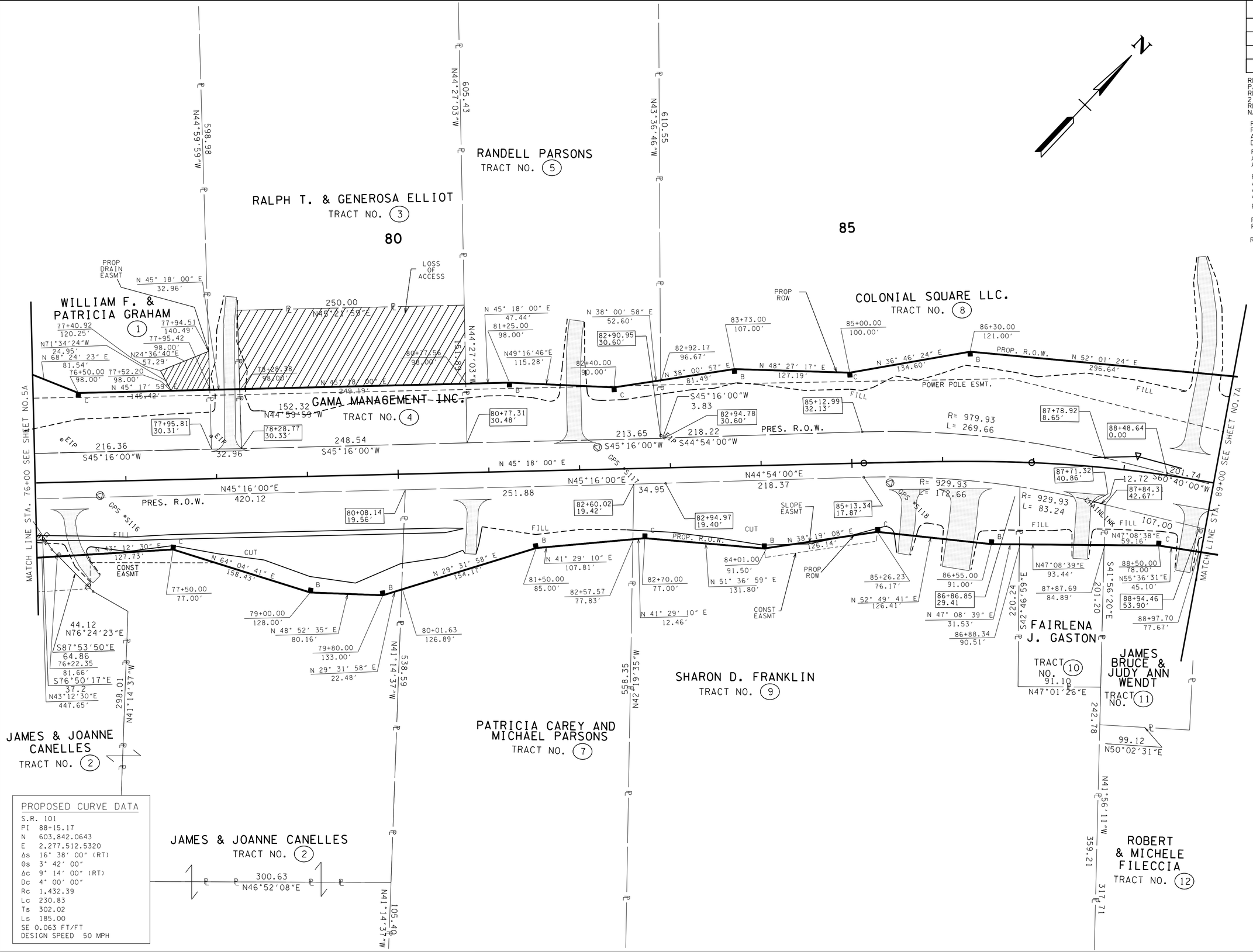
REV. 09-24-12 - REPLACE CULVERT AT STA 78+00/ WITH 2 - 4' CULVERTS. ADDED CONST EASMT TO TRACT 2.

REV. 5-22-13 - UPDATE YEAR. ADDED CONST EASMT AND SLOPE EASMT TO TRACT 9. ADDED TRACT 2-S AND 2-S1.

REV. 5-29-13 - ADDED TRACT 8004.

REV. 6-11-13 - REMOVED TRACT 9-S. REMOVED TRACT 2-S.

REV. 7-09-13 - REMOVED TRACT 8004.



PROPOSED CURVE DATA

S.R. 101
PI 88+15.17
N 603,842.0643
E 2,277,512.5320
Δs 16° 38' 00" (RT)
θs 3° 42' 00"
Δc 9° 14' 00" (RT)
Dc 4° 00' 00"
Rc 1,432.39
Lc 230.83
Ts 302.02
Ls 185.00
SE 0.063 FT/FT
DESIGN SPEED 50 MPH

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 76+00 TO STA. 89+00

SCALE: 1"= 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	6B
CONST	2015	STP-101(16)	6B

REV. 08-20-12 - LABELED & ADDED ENVIRONMENTAL FEATURES.ADDED 6'X4' BOX CULV., PAVEMENT MARKINGS, SPECIAL NOTES, PROP. TREES, TEMP. IMPACT, RIP-RAP DETAIL, PROP. AND EXIST. CHANNEL, AND GRADED SOLID ROCK (STR-1B).

REV. 09-24-12 - REPLACE CULVERT AT STA 78+00/ WITH 2 - 4' CULVERTS. REMOVED PERM IMP. HATCHING NORTH OF PVT DRIVE ON WTL-2. REVISED S.D. LABEL ON DRIVEWAY AT STA. 78+15.29

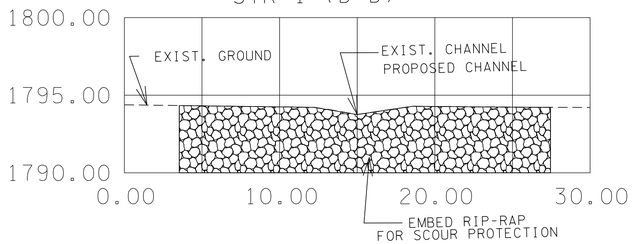
REV. 10-24-12 - REMOVED STR-1B DETAIL AND TREE NOTES FROM SPECIAL NOTES PER ENV. REQ. ADDED NOTES AND DETAIL FOR TREES.

REV. 10-29-12 - REMOVED TREES AND TREE NOTES FOR DITCH PER ENV. REQUEST.

REV. 2-21-13 - ADDED TEMP IMPACT HATCHING FOR WTL-2 PER ENV REQ.

REV. 5-22-13 - UPDATE YEAR. REMOVED PVT MARKING. ADDED CROWN VETCH PATTERN. UPDATE ROADSIDE DITCHES. REVISE 10' DRIVEWAYS TO 12' DRIVEWAYS PER CONT REQ. ADDED PROP. GRADED SOLID ROCK.

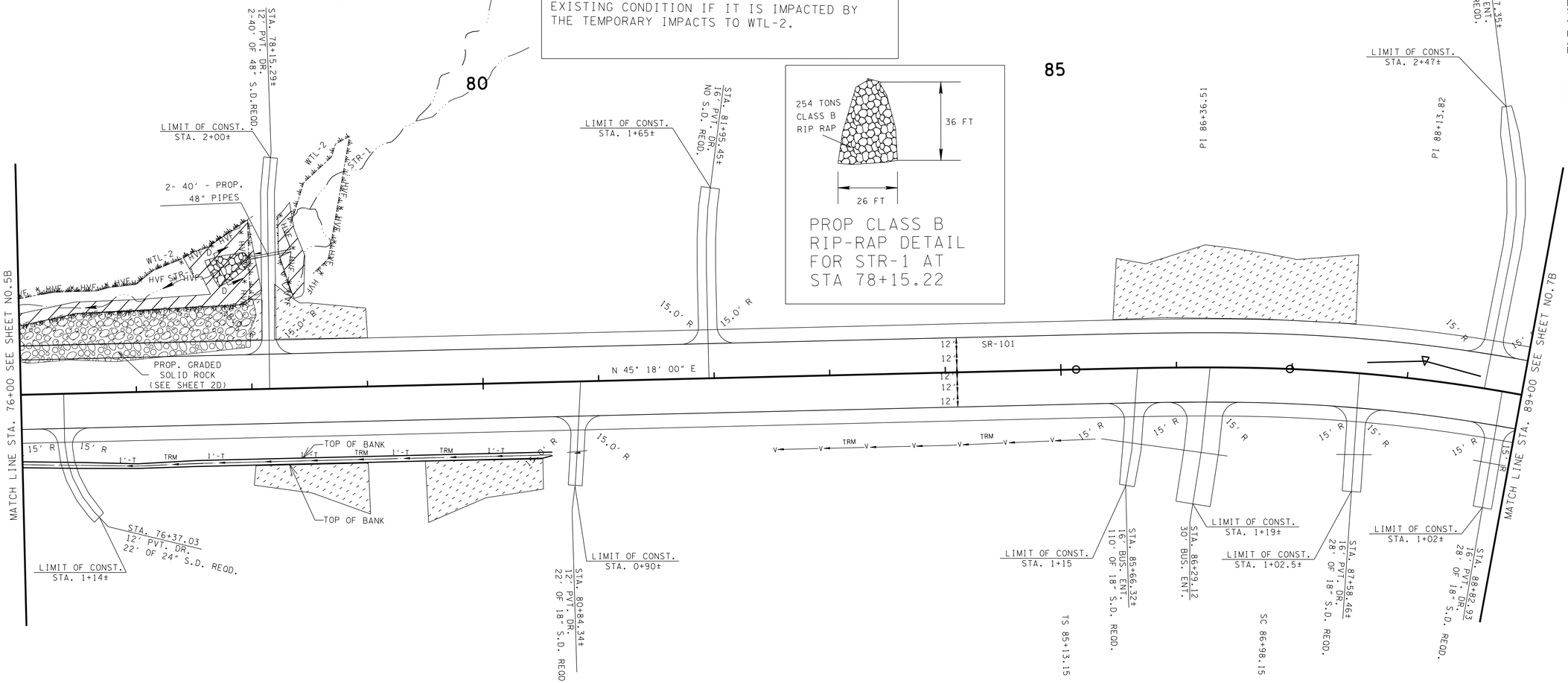
PROP. AND EXISTING CHANNEL STR-1 (D-D)



SPECIAL NOTES

RIP-RAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIP-RAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIP-RAP SHALL BE FILL WITH CREEK GRAVEL TO PREVENT LOSS OF STREAM WITHIN THE RIP-RAP AREAS. CREEK GRAVEL CAN BE REMOVED FROM THE CULVERT EXCAVATION AREA.

THE CONTRACTOR SHALL RETURN STR-1 TO EXISTING CONDITION IF IT IS IMPACTED BY THE TEMPORARY IMPACTS TO WTL-2.



PROPOSED CURVE DATA

S.R. 101
PI 88+15.17
N 603,842.0643
E 2,277,512.5320
Δs 16° 38' 00" (RT)
θs 3° 42' 00"
Δc 9° 14' 00" (RT)
Dc 4° 00' 00"
Rc 1,432.39
Lc 230.83
Ts 302.02
Ls 185.00
SE 0.063 FT/FT
DESIGN SPEED 50 MPH

ITEM NO. 801-01.02
CROWN VETCH MIXTURE
(W/MULCH)

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF L00013 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 76+00 TO STA. 89+00

SCALE: 1"= 50'

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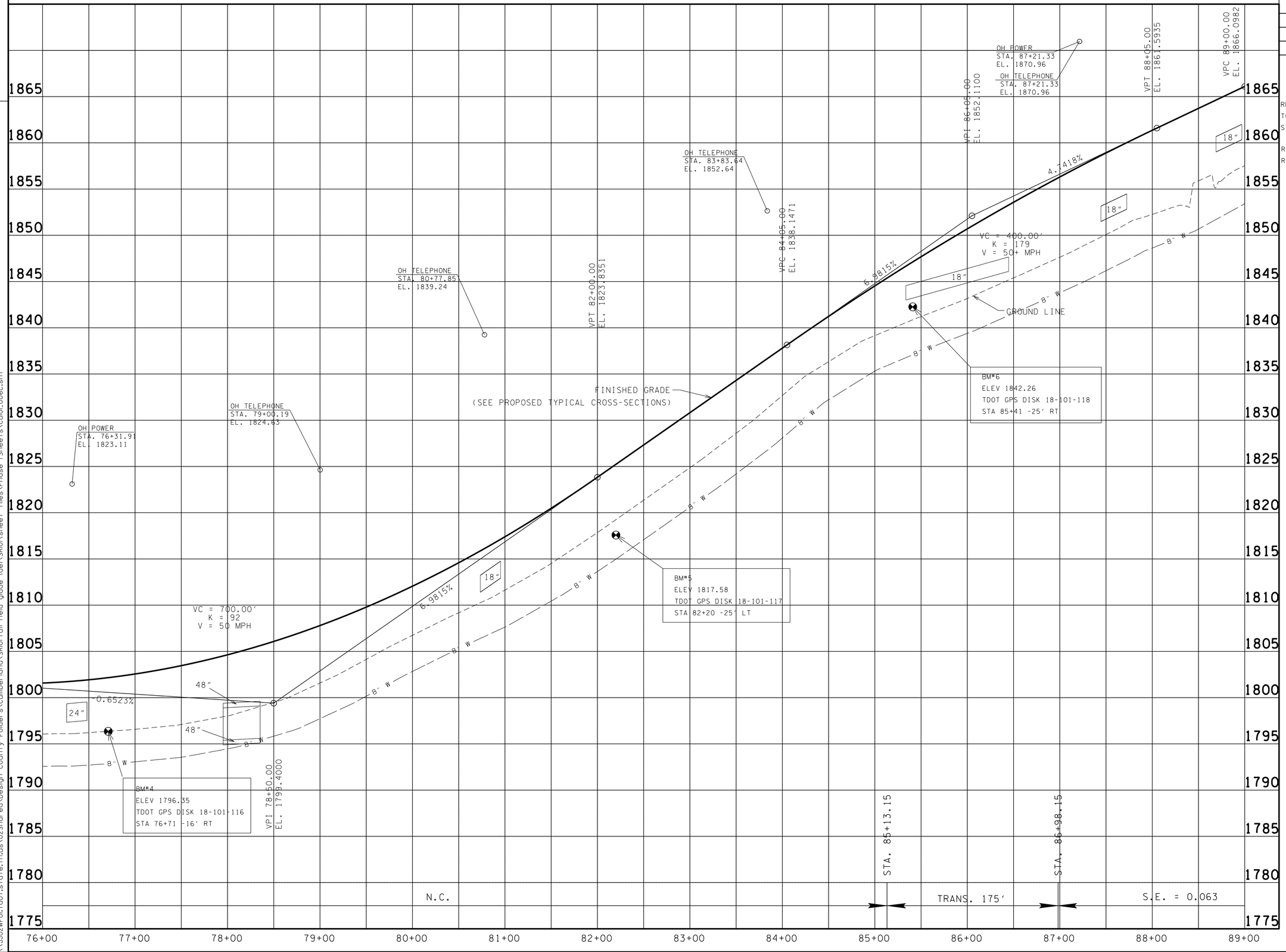
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	6C
CONST	2015	STP-101(16)	6C



REV. 08-20-12 - ADDED PROP. PIPES

REV. 09-24-12 - CHANGED 6X4 BOX CULV TO 2 PROP 48" PIPES. REVISED PIPE AT STA 86+00.00

REV. 5-22-13 - UPDATE YEAR. REMOVED CULVERT DATA INFO.

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NOT FOR BIDDING

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 76+00 TO STA. 89+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

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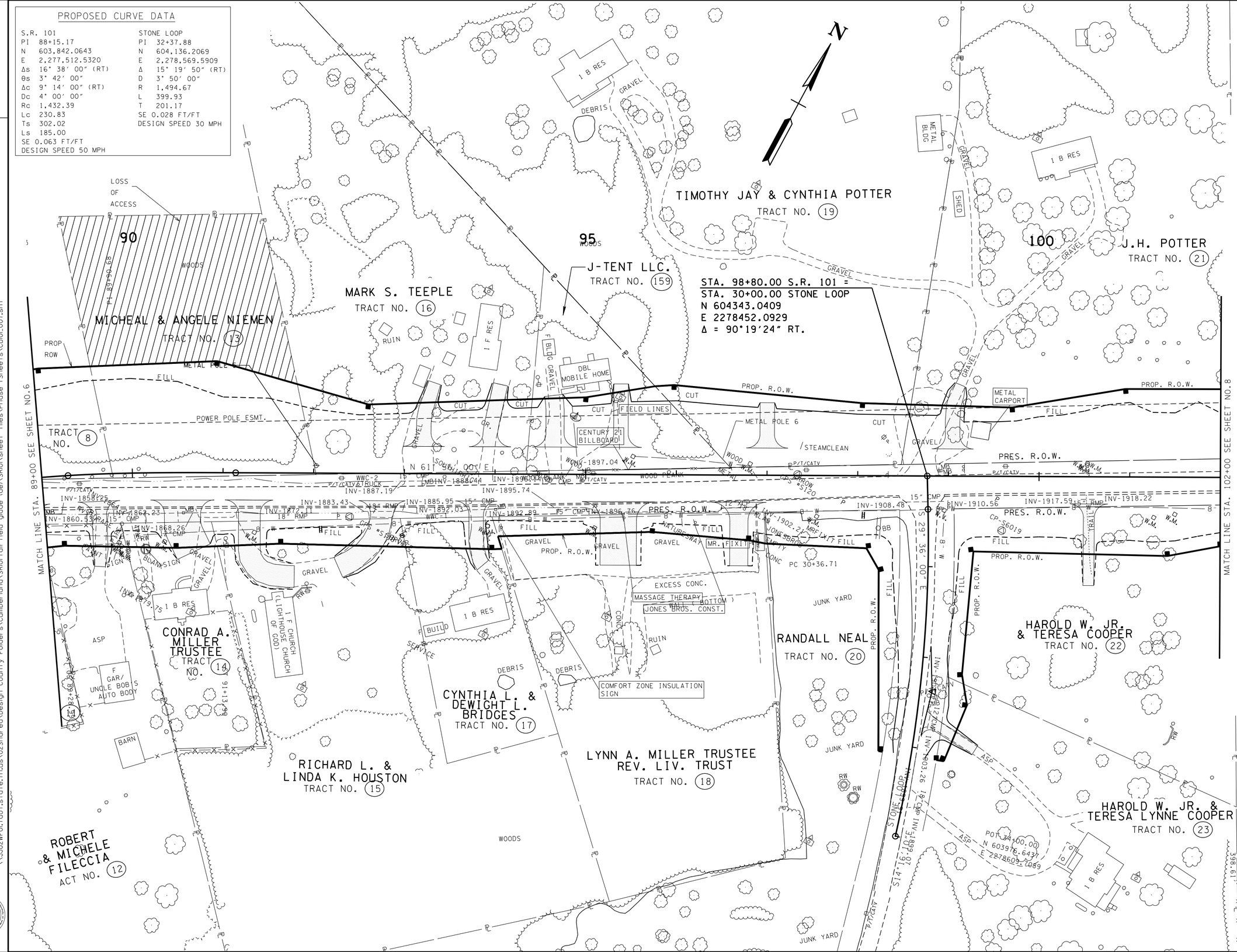
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

PROPOSED CURVE DATA

S.R. 101		STONE LOOP	
PI	88+15.17	PI	32+37.88
N	603,842.0643	N	604,136.2069
E	2,277,512.5320	E	2,278,569.5909
Δs	16° 38′ 00″ (RT)	Δ	15° 19′ 50″ (RT)
Θs	3° 42′ 00″	D	3° 50′ 00″
Δc	9° 14′ 00″ (RT)	R	1,494.67
Dc	4° 00′ 00″	L	399.93
Rc	1,432.39	T	201.17
Lc	230.83	SE 0.028 FT/FT	
Ts	302.02	DESIGN SPEED 30 MPH	
Ls	185.00		
SE 0.063 FT/FT			
DESIGN SPEED 50 MPH			



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	7
CONST	2015	STP-101(16)	7

REV. 1-27-11: LABELED PROP. R.O.W. CORRECTED LOSS OF ACCESS PATTERN, TRACT 13.
REV. 5-10-12: REMOVED MOBILE HOME ON TRACT 18. REMOVED SHED AND MOBILE HOME ON TRACT 20. ADDED SIGNS ON TRACTS 12, 14, 18, AND 159. ADDED CARPORT ON TRACT 16.
REV. 6-12-12: UPDAETD EAST PROPERTY LINE FOR TRACT 13.
REV. 7-12-12: LOCATED PIPE ON TRACT 14. LOCATED UTILITES ON TRACTS 14 AND 15. LOCATED SIGNS ON TRACTS 14, 16, 18, 19, 20, AND 159. LOCATED CONCRETE PAD AND UPDATED PARKING LOT ON TRACT 18. ADDED DRIVEWAY AT STA. 93+94.14, TRACT 16.

REV 7-24-12: ADDED CONST. ESMT. FOR TRACT 159.

REV 08-20-12: LABELED ROW FEATURES ADDED WWC-1 AND WWC-2.

REV 09-24-12: REVISED ALIGNMENT AND ADDED NORTH EASTING TO STONE LOOP ROAD. REVISED SLOPE LINES FROM 89+00 TO 97+50 REVISED PROP ROW ON TRACT 17,18 AND 20

REV 10-02-12: ADDED DRIVEWAYS TO TRACT 14 AND 17. REVISED PROP ROW ON TRACT 17.

REV 10-10-12: REMOVED CONST. ESMT. FOR TRACT 159.

REV 11-26-12: ADDED PVT DR AT STA. 97+00

REV 2-21-13: ADDED BUS ENT AT STA. 95+36.24 AND 96+69.24

REV 5-22-13: UPDATE YEAR. REVISED DRIVEWAY AT STA. 94+65.95 LT. ADDED DRIVEWAY TO TRACT 159. ADDED INFO TO EXIST. PIPE.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PRESENT LAYOUT

STA. 89+00 TO STA. 102+00

SCALE: 1"= 50′

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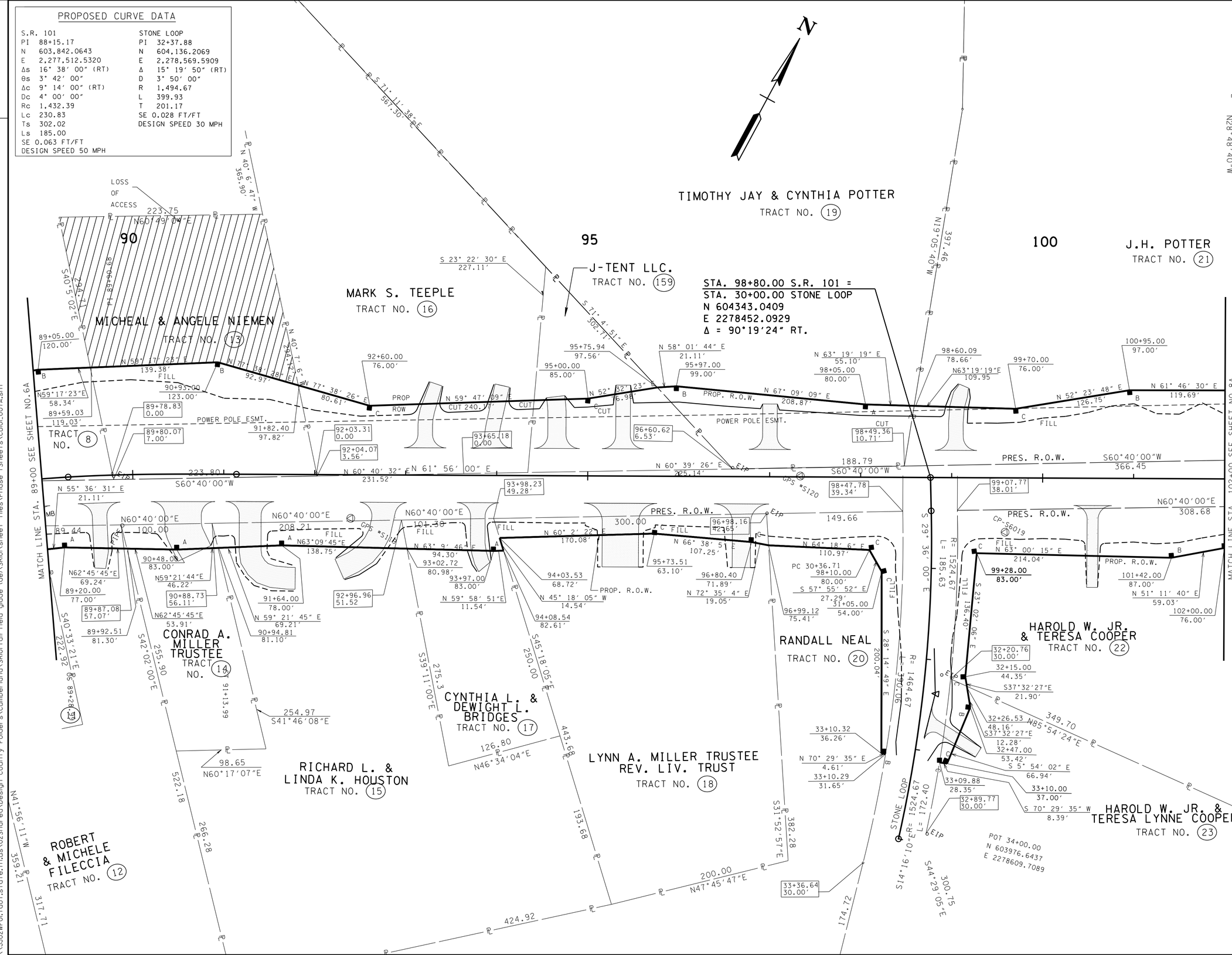
Survey & Design Division

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

PROPOSED CURVE DATA

S.R. 101	STONE LOOP
PI 88+15.17	PI 32+37.88
N 603,842.0643	N 604,136.2069
E 2,277,512.5320	E 2,278,569.5909
Δs 16° 38′ 00″ (RT)	Δ 15° 19′ 50″ (RT)
Θs 3° 42′ 00″	D 3° 50′ 00″
Δc 9° 14′ 00″ (RT)	R 1,494.67
Dc 4° 00′ 00″	L 399.93
Rc 1,432.39	T 201.17
Lc 230.83	SE 0.028 FT/FT
Ts 302.02	DESIGN SPEED 30 MPH
Ls 185.00	
SE 0.063 FT/FT	
DESIGN SPEED 50 MPH	



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	7A
CONST	2015	STP-101(16)	7A

REV 1-27-11: CORRECTED LOSS OF ACCESS PATTERN, TRACT 13.
REV. 6-12-12: UPDATED EAST PROPERTY LINE FOR TRACT 13.
REV. 7-12-12: ADDED DRIVE STA. 93+94.14, TRACT 16.

REV 7-24-12: ADDED CONST. ESMT. FOR TRACT 159.

REV 08-20-12: LABELED ROW FEATURES & SLOPE FEATURES.

REV 09-24-12: REVISED ALIGNMENT, REVISED STA. AND OFFSETS, AND ADDED NORTH EASTING TO STONE LOOP ROAD. REVISED SLOPE LINE FROM 89+00 TO 97+50. REVISED PROP ROW ON TRACT 17,18, AND 20

REV 10-02-12: REPLACED BEARING AND DISTANCE AND STA & OFFSET TO PREVIOUS ON TRACT 17. ADDED DRIVEWAYS TO TRACT 14 & 18. REVISED STA & OFFSET ON TRACT 20

REV 10-10-12: CORRECTED BEARING & DISTANCE AND STA & OFFSET TO PROP ROW BETWEEN TRACT NOS 17 & 20. REMOVED CONST. ESMT FOR TRACT 159.

REV 11-26-12: ADDED PVT DR AT STA. 97+00

REV 2-21-13: ADDED BUS. ENT AT STA. 95+36.24 AND 96+69.24

REV 5-22-13: UPDATE YEAR. REVISED DRIVEWAY AT STA.94+65.95 LT. ADDED DRIVEWAY TO TRACT 159.

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 89+00 TO STA. 102+00

SCALE: 1"= 50'

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

PROPOSED CURVE DATA

S.R. 101	STONE LOOP
PI 88+15.17	PI 32+37.88
N 603,842.0643	N 604,136.2069
E 2,277,512.5320	E 2,278,569.5909
Δs 16° 38′ 00″ (RT)	Δ 15° 19′ 50″ (RT)
Θs 3° 42′ 00″	D 3° 50′ 00″
Δc 9° 14′ 00″ (RT)	R 1,494.67
Dc 4° 00′ 00″	L 399.93
Rc 1,432.39	T 201.17
Lc 230.83	SE 0.028 FT/FT
Ts 302.02	DESIGN SPEED 30 MPH
Ls 185.00	
SE 0.063 FT/FT	
DESIGN SPEED 50 MPH	

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	7B
CONST	2015	STP-101(16)	7B

REV. 1-27-11: REMOVED R.O.W. MARKERS.
REV. 7-12-12: ADDED DRIVE STA. 93+94.14.

REV. 08-20-12 - LABELED & ADDED ENVIRONMENTAL FEATURES.ADDED PAVEMENT MARKINGS.

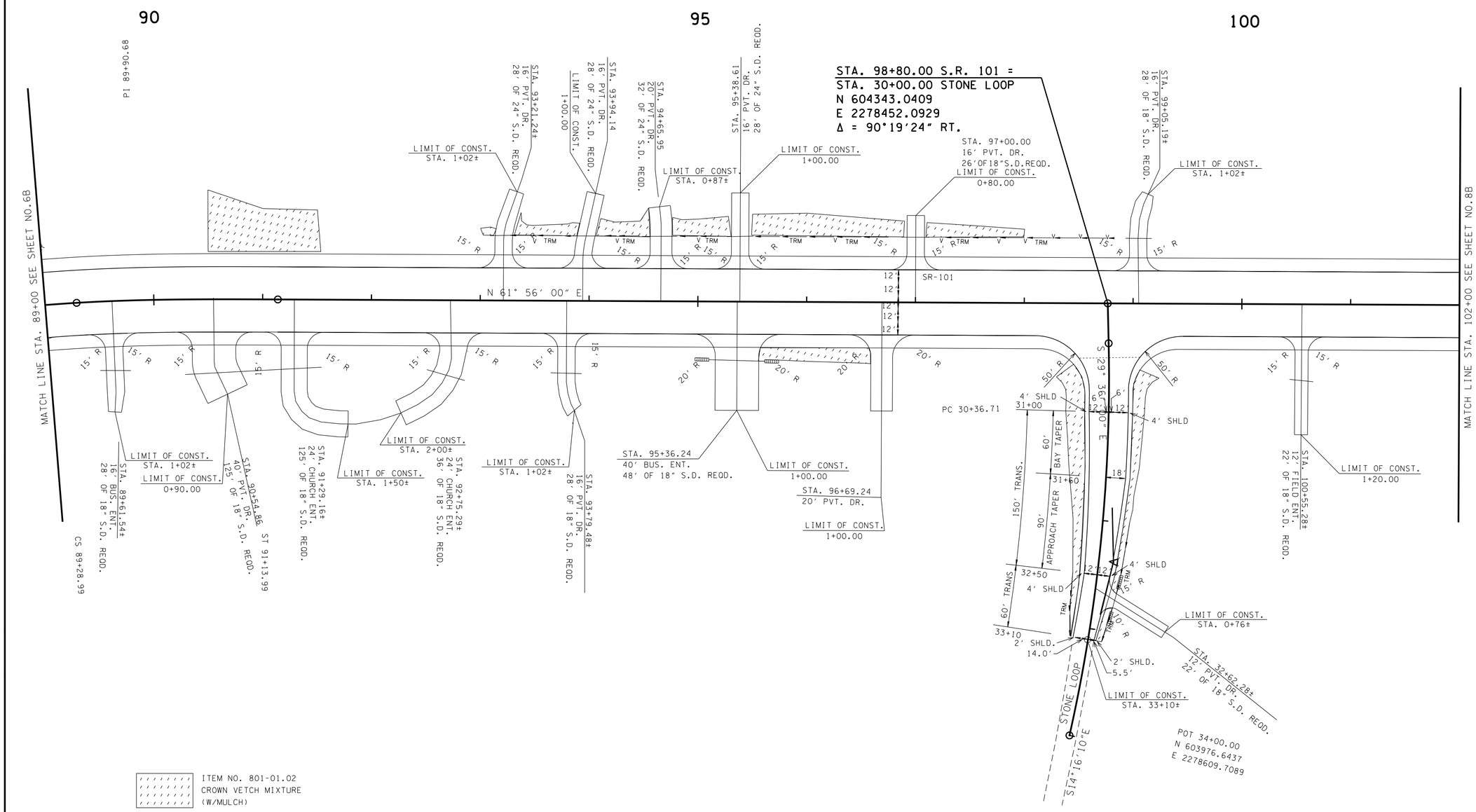
REV 09-24-12: REVISED ALIGNMENT AND ADDED NORTH EASTING TO STONE LOOP ROAD.

REV 10-02-12: ADDED DRIVEWAYS AT STA.90+54.86 & STA. 94+33.14.

REV 11-26-12: ADDED PRIVATE DR AT STA 97+00

REV 2-21-13: ADDED BUS. ENT. AT STA 95+36.24 AND 96+69.24

REV 5-22-13: UPDATE YEAR. REMOVED PVT MARKING. REMOVED ENDWALLS FOR PIPES. REVISED DRIVEWAY AT STA. 94+65.95 LT. ADDED DRIVEWAY AT STA.95+38.61. ADDED CROWN VETCH PATTERN. UPDATE ROADSIDE DITCHES. REVISE 10′ DRIVEWAYS TO 12′ DRIVEWAYS PER CONST REQ.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 89+00 TO STA. 102+00

SCALE: 1″= 50′

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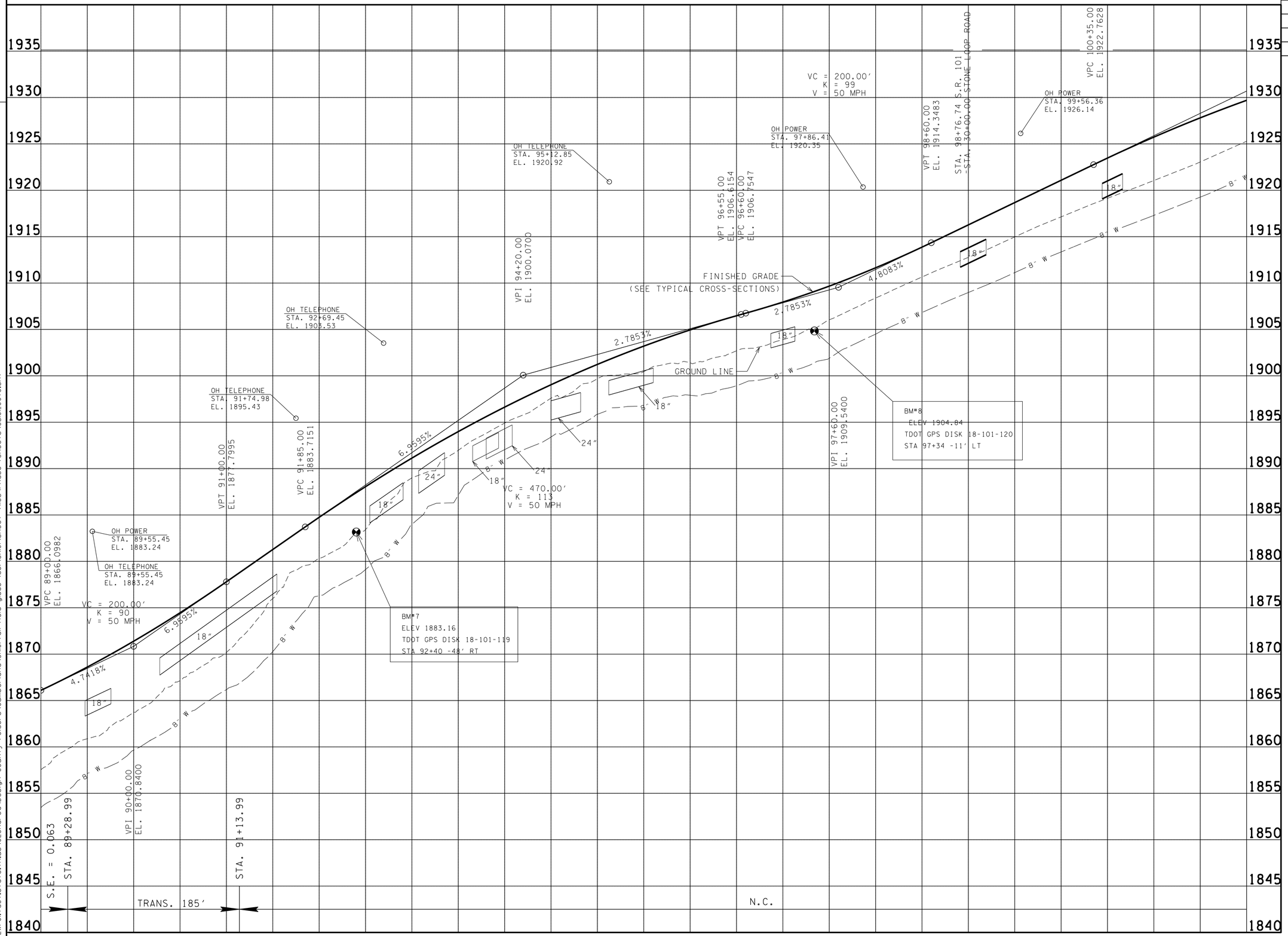
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	7C
CONST	2015	STP-101(16)	7C



REV. 08-20-12 - ADDED PROP. PIPES
REV. 09-24-12 - REVISED S.D. PIPE AT STA. 91+00±
REV. 10-02-12 - REVISED S.D AT STA. 91+00 AND STA 94+33.14
REV. 11-26-12 - ADDED PROP S.D. AT 97+00.
REV. 2-21-13 - REVISED S.D. LOCATION TO STA 95+36.24.
REV. 5-22-13 - UPDATE YEAR. REVISED S.D. TO STA 94+65.95.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 89+00 TO STA. 102+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

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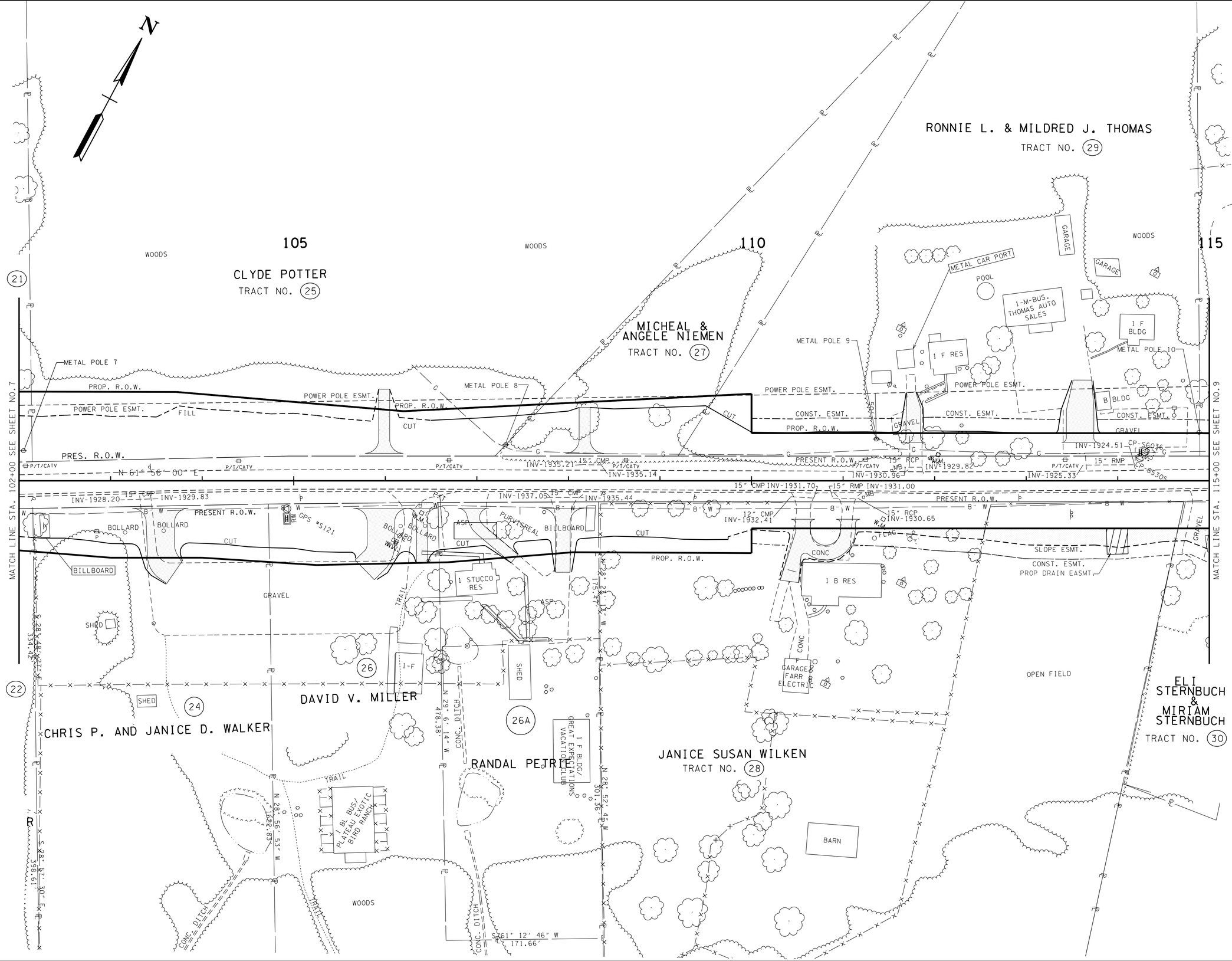
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	8
CONST	2015	STP-101(16)	8

REV. 1-27-11: LABELED PROP. R.O.W., SLOPE, DRAINAGE, & CONST. ESMT.
REV. 10-26-11: SHOWED PERMANENT DRAINAGE EASEMENT, TRACT 28.
REV. 12-19-11: UPDATED PROPERTY LINE FOR TRACT 24. DIVIDED TRACT 26 INTO TRACTS 26 AND 26A.
REV. 5-10-12: LOCATED EXISTING R.O.W. FOR TRACT 24. CORRECTED PROPERTY OWNER NAME AND LOCATED STRUCTURE ON TRACT 26. ADDED BILLBOARD ON TRACT 24. ADDED DRIVEWAY AND PARKING LOT FOR TRACT 26A. ADDED METAL CARPORT, 1 STORY METAL BUILDING, AND PARKING LOT ON TRACT 29.
REV. 6-12-12: MOVED DRIVE FROM STA. 105+98.78 TO STA. 105+95.23. MOVED DRIVE FROM STA. 106+53.78 TO STA. 106.40.23. ADDED DRIVES TO STA. 106+95.30 AND 107.93.90.
REV. 7-12-12: LOCATED BOLLARDS ON TRACTS 24 AND 26. LOCATED SIGN ON TRACT 26A. UPDATED DRIVE ON TRACT 26A. LOCATED GARAGES ON TRACT 29.

REV. 08-20-12: LABELED ROW FEATURES. REMOVED BEARING AND DISTANCES, STA. AND OFFSET, PROP. STORM DRAIN SYSTEM.

REV. 5-22-13: UPDATE YEAR. ADDED TRACTS 21 & 22. REVISED PROPERTY OWNERS NAME FOR TRACT 30. REMOVE EXIST PIPE AT STA.115+00RT.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PRESENT LAYOUT

STA. 102+00 TO STA. 115+00

SCALE: 1"= 50'

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Survey & Design Division

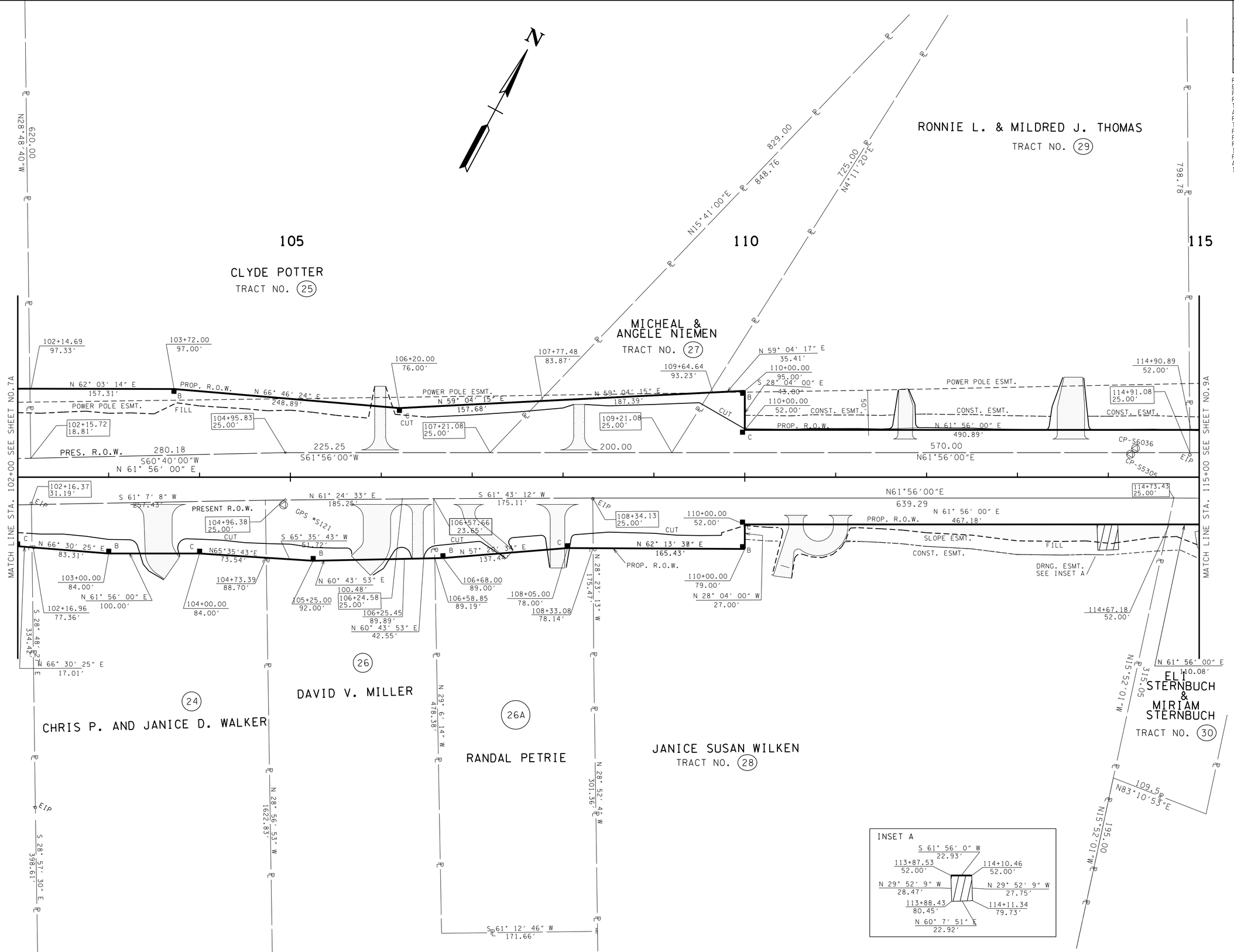
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	8A
CONST	2015	STP-101(16)	8A

REV. 1-27-11: LABLED SLOPE AND CONST. EASEMENTS. REMOVED CONST. EASEMENT PATTERN.
REV. 12-19-11: UPDATED PROPERTY LINE FOR TRACT 24. DIVIDED TRACT 26 INTO TRACT 26 AND 26A.
REV. 5-10-12: LOCATED EXISTING R.O.W. FOR TRACT 24. CORRECTED PROPERTY OWNER NAME FOR TRACT 26. LABELED STATION/OFFSETS FOR PROP. R.O.W., TRACT 26.
REV. 6-12-12: MOVED DRIVE FROM STA. 105+98.78 TO STA. 105+95.23. MOVED DRIVE FROM STA. 106+53.78 TO STA. 106+40.23. ADDED DRIVES TO STA. 106+95.30 AND 107+93.90.

REV. 08-20-12: LABLED ROW FEATURES & SLOPE FEATURES.

REV. 5-22-13: UPDATE YEAR. REVISED PROPERTY OWNERS NAME FOR TRACT 30.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 102+00 TO STA. 115+00

SCALE: 1"= 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	8B
CONST	2015	STP-101(16)	8B

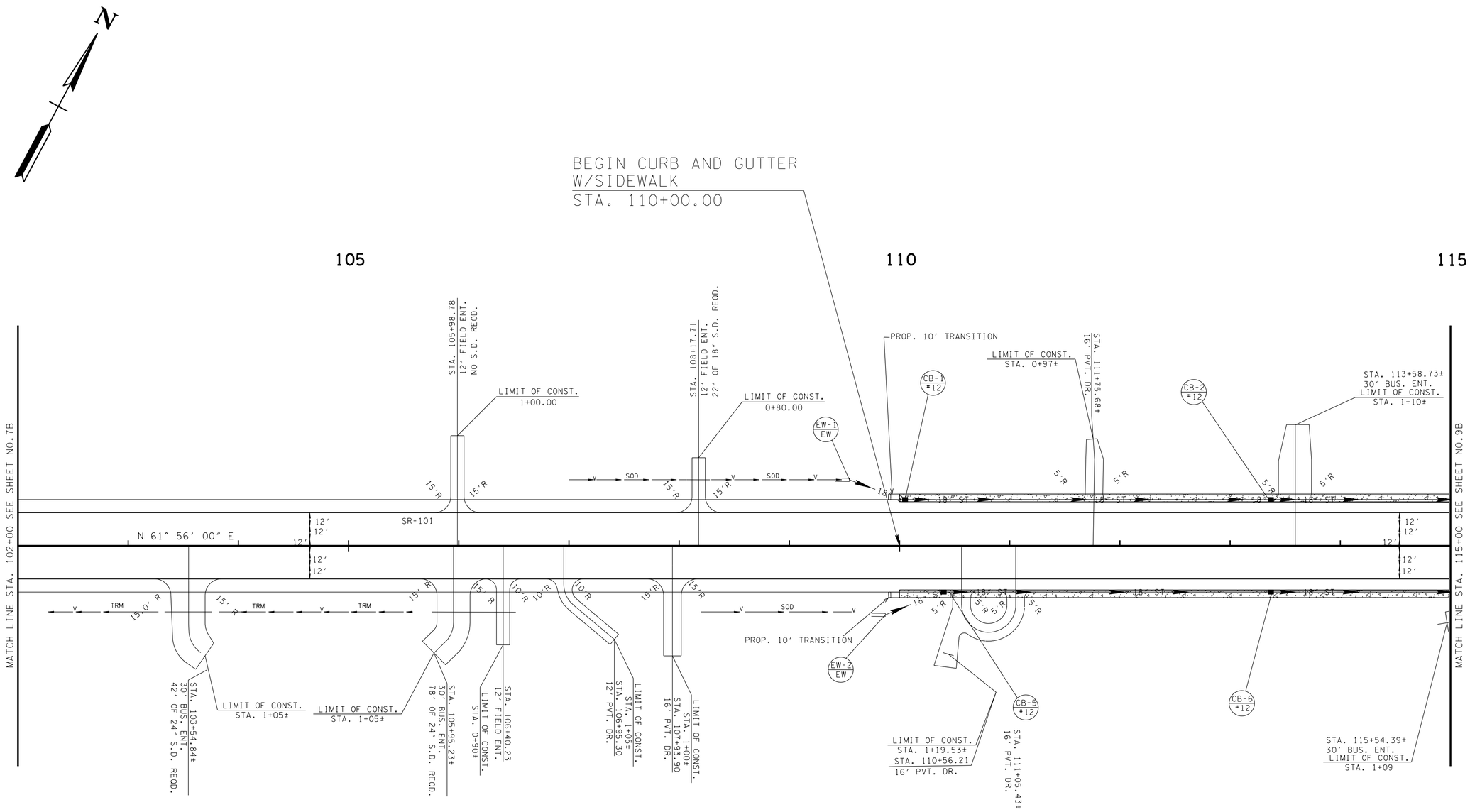
REV. 6-12-12: MOVED DRIVE FROM STA. 105+98.78 TO STA. 105+95.23. MOVED DRIVE FROM STA. 106+53.78 TO STA. 106+40.23. ADDED DRIVES AT STA. 106+95.30 AND 107+93.90. ADDED DITCH FROM STA.108+25 TO STA. 109+50 RT.

REV. 08-20-12 - ADDED PAVEMENT MARKINGS.

REV. 09-24-12 - REMOVED DUPLICATE PAVMT MARKING DETAIL.

REV. 11-26-12 - ADDED LABELS AND REVISED STORM SYSTEM.

REV. 5-22-13 - UPDATE YEAR. ADDED STORM SYSTEM TABLE. REMOVED PVMT MARKINGS. REVISE PIPE ENDWALLS. ADDED PROP 10' TRANSITION. UPDATE ROADSIDE DITCHES. REVISE 10' DRIVEWAYS TO 12' DRIVEWAYS PER CONST REQ.



Sheet No.	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
9B	EW-3	SR101	115+76.00	62.22			1917.98
9B	CB-7	SR101	115+93.00	41	IN. EL. 1918.73 (CB-3) IN. EL. 1918.73 (CB-6)	1924.06	1918.23
9B	CB-3	SR101	115+93.00	-41	IN. EL. 1920.34 (CB-2)	1924.1	1920.34
8B	CB-6	SR101	113+37.00	41	IN. EL. 1924.32 (CB-5)	1928.07	1924.32
8B	CB-2	SR101	113+37.00	-41	IN. EL. 1924.32 (CB-1)	1928.07	1924.32
8B	CB-5	SR101	110+40.00	41	IN. EL. 1929.16 (EW-2)	1933.38	1929.16
8B	CB-1	SR101	110+05.00	-41	IN. EL. 1930.23 (EW-1)	1934.01	1930.23
8B	EW-2	SR101	109+87.00	62.71	1929.39		
8B	EW-1	SR101	109+54.50	-59.89	1930.44		

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 102+00 TO STA. 115+00

SCALE: 1"= 50'

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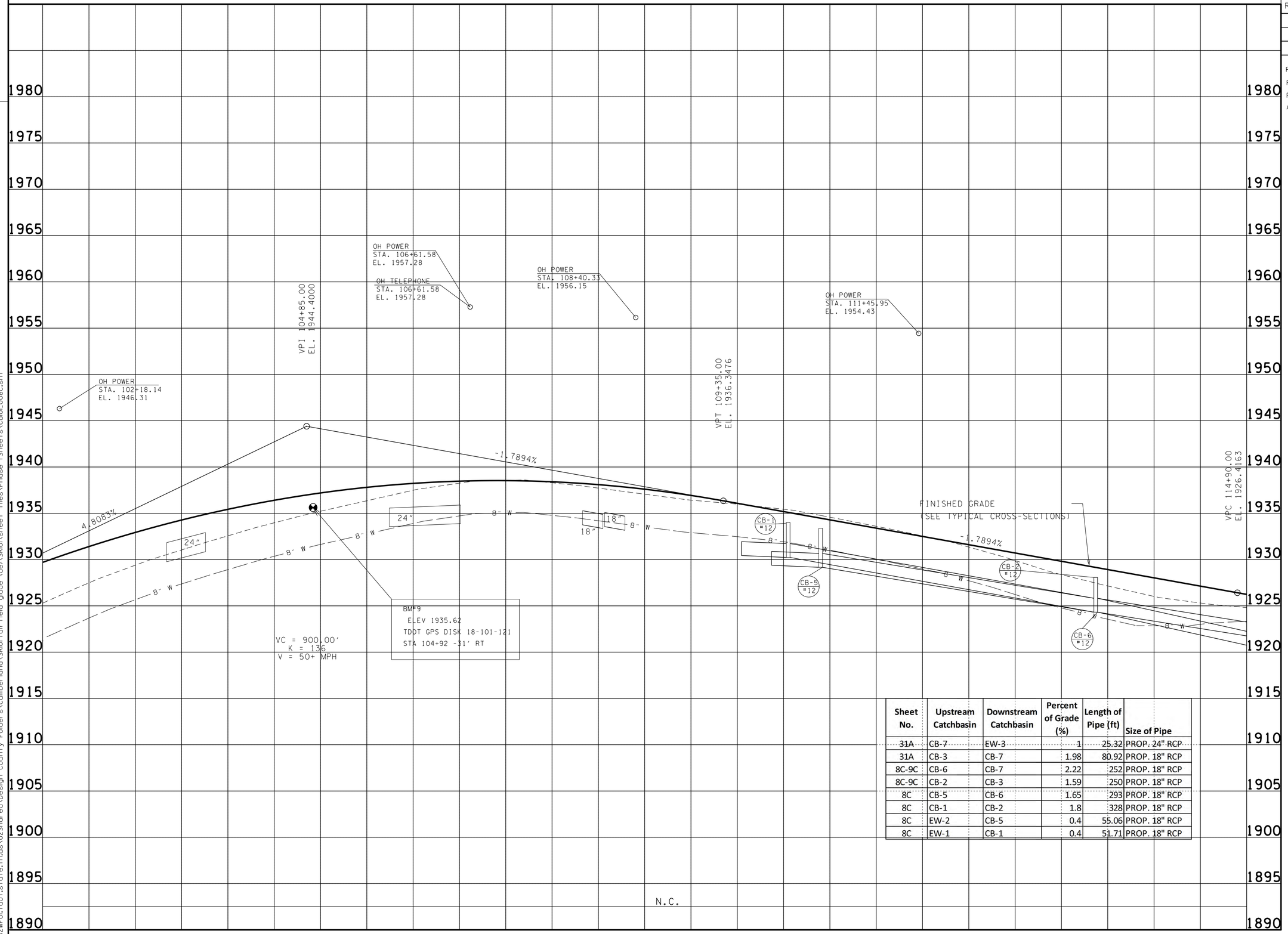
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	8C
CONST	2015	STP-101(16)	8C

REV. 08-20-12 - ADDED PROP. PIPES.
REV.11-26-12- ADDED STORM SYSTEM
REV.5-22-13- UPDATE YEAR.
ADDED PIPE TABLE.



Sheet No.	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
31A	CB-7	EW-3	1	25.32	PROP. 24" RCP
31A	CB-3	CB-7	1.98	80.92	PROP. 18" RCP
8C-9C	CB-6	CB-7	2.22	252	PROP. 18" RCP
8C-9C	CB-2	CB-3	1.59	250	PROP. 18" RCP
8C	CB-5	CB-6	1.65	293	PROP. 18" RCP
8C	CB-1	CB-2	1.8	328	PROP. 18" RCP
8C	EW-2	CB-5	0.4	55.06	PROP. 18" RCP
8C	EW-1	CB-1	0.4	51.71	PROP. 18" RCP

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 102+00 TO STA. 115+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

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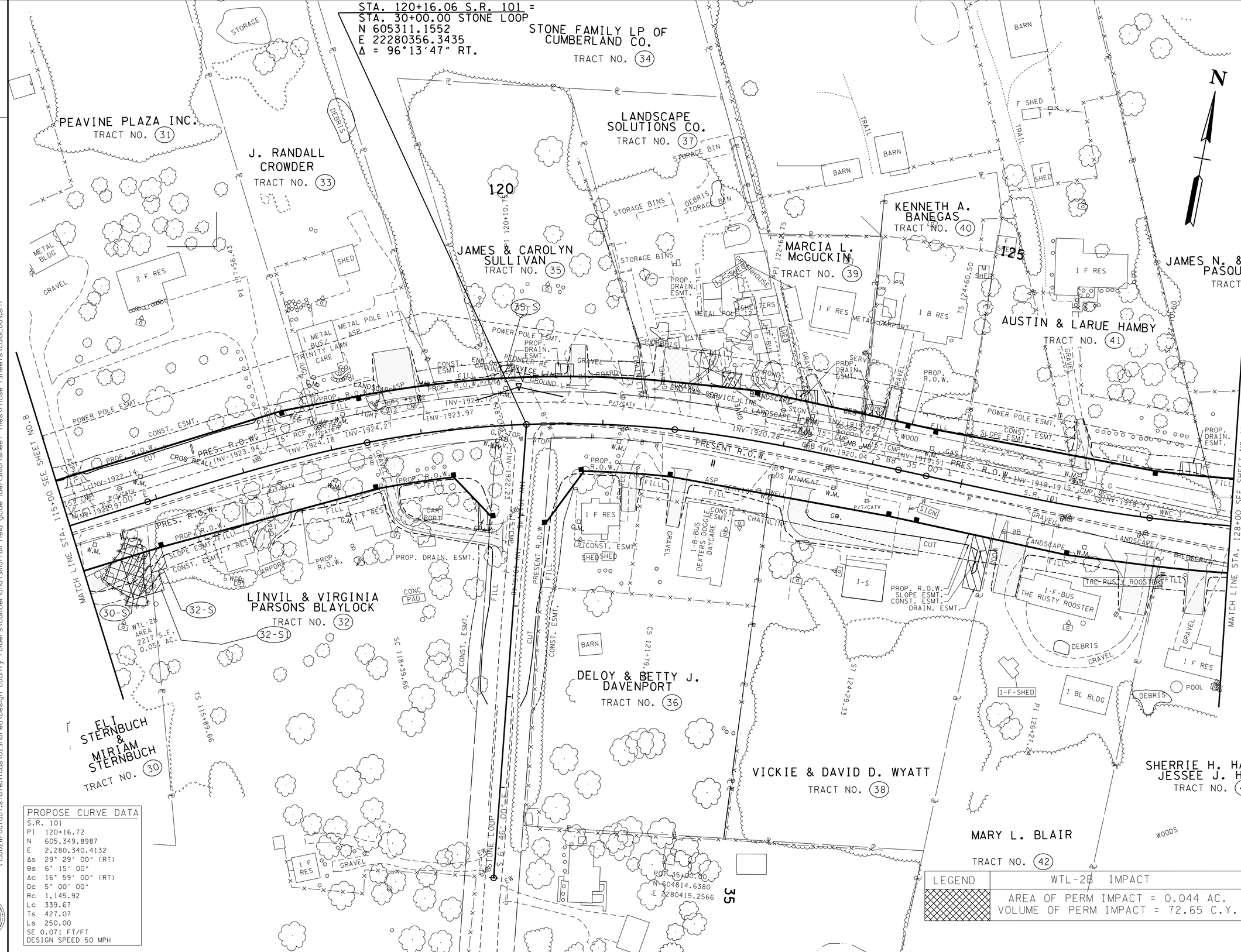
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	9
CONST	2015	STP-101(16)	9

REV. 1-27-11: LABELED PROPOSED R.O.W., SLOPE, CONST., & DRAINAGE EASEMENTS.
REV. 5-10-12: REMOVED BUILDINGS ON TRACT 30, 31, 33, 35, 36, 37, AND 38. ADDED SIGN TO TRACT 35. UPDATED BUILDING AND PARKING LOT ON TRACT 36. ADDED BUILDING, PARKING AREA, AND SIGN TO TRACT 38. ADDED SHED AND PARKING LOT TO TRACT 39. ADDED SHED AND SIGN AND WIDENED DRIVES ON TRACT 42. MOVED DRN. ESMT. ON TRACT 38.
REV. 6-12-12: UPDATED PROPERTY OWNER NAME FOR TRACTS 39, 42, AND 43. UPDATED BUILDINGS ON TRACT 37. UPDATED LIMIT OF CONST. FOR DRIVE AT STA. 125+00. MOVED DRIVE FROM STA. 121+69.60 TO STA. 121+64.41. ADDED DRIVE AT STA. 122+09.44.
REV. 7-12-12: UPDATED DRIVES ON TRACTS 31 AND 37. LOCATED SIGNS ON TRACTS 31, 33, 35, 37, AND 42. LCOATED UTILITIES ON TRACTS 35, 36, 37, AND 39. LOCATED POND ON TRACT 37.
REV. 7-24-12: ADDED CONST. ESMT. TO TRACT 36.
REV. 7-27-12: REVISED DRIVEWAY AT STA. 123+30. ADDED FUTURE PARKING LOT.
REV. 8-08-12: REMOVED TRACT 36 DRIVEWAY. ADDED ENGINEER SEAL BOX.
REV. 08-20-12: ADDED WTL-2B. PERM. IMPACT TABLE. AND WWC-3. REMOVE PROP. STORM DRAIN SYSTEM LABELED ROW FEATURES.
REV. 09-24-12: REMOVED PVT DRIVE ON TRACT 38 AND REPLACED WITH ORIGINAL DRIVEWAY AT STA. 125+00± ADDED NORTH AND EASTING TO STONE LOOP ROAD. REVISED TEMP AND PERM IMPACT TO WTL-2B PER ENV. REQ.
REV. 11-26-12: ADDED DRAIN EASMTS TO TRACT 30-S,32-S,35-S,&37
REV. 11-30-12: REMOVE 2 BUS. ENT FROM TRACT 37 AND ADDED ONE 40' BUS. ENT
REV. 12-18-12: REVISED SLOPE LINES ON TRACT 38.
REV. 1-16-13: REMOVED DRAIN EASMT FROM TRACT 37.
REV. 1-17-13: REVISED WTL-2B PER ENV. REQ.
REV. 5-22-13: UPDATE YEAR. REVISED PROPERTY OWNER FOR TRACT 30. REMOVED DRIVEWAY ON TRACT 38 AND ADDED DRIVEWAY AT STA.123+30.00. ADDED INFO FOR EXIST. PIPES.
REV. 6-11-13: REMOVED TRACT 30-S1.



PROPOSE CURVE DATA
S.R. 101
PI 120+16.72
N 605,349.8987
E 2,280,340.4132
Δs 29° 29' 00" (RT)
Θs 6° 15' 00"
Δc 16° 59' 00" (RT)
Dc 5° 00' 00"
Rc 1,145.92
Lc 339.67
Ts 427.07
Ls 250.00
SE 0.071 FT/FT
DESIGN SPEED 50 MPH

LEGEND	WTL-2B IMPACT
	AREA OF PERM IMPACT = 0.044 AC. VOLUME OF PERM IMPACT = 72.65 C.Y.

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COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00013 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PRESENT LAYOUT

STA. 115+00 TO STA. 128+00

SCALE: 1"= 50'

Survey & Design Division

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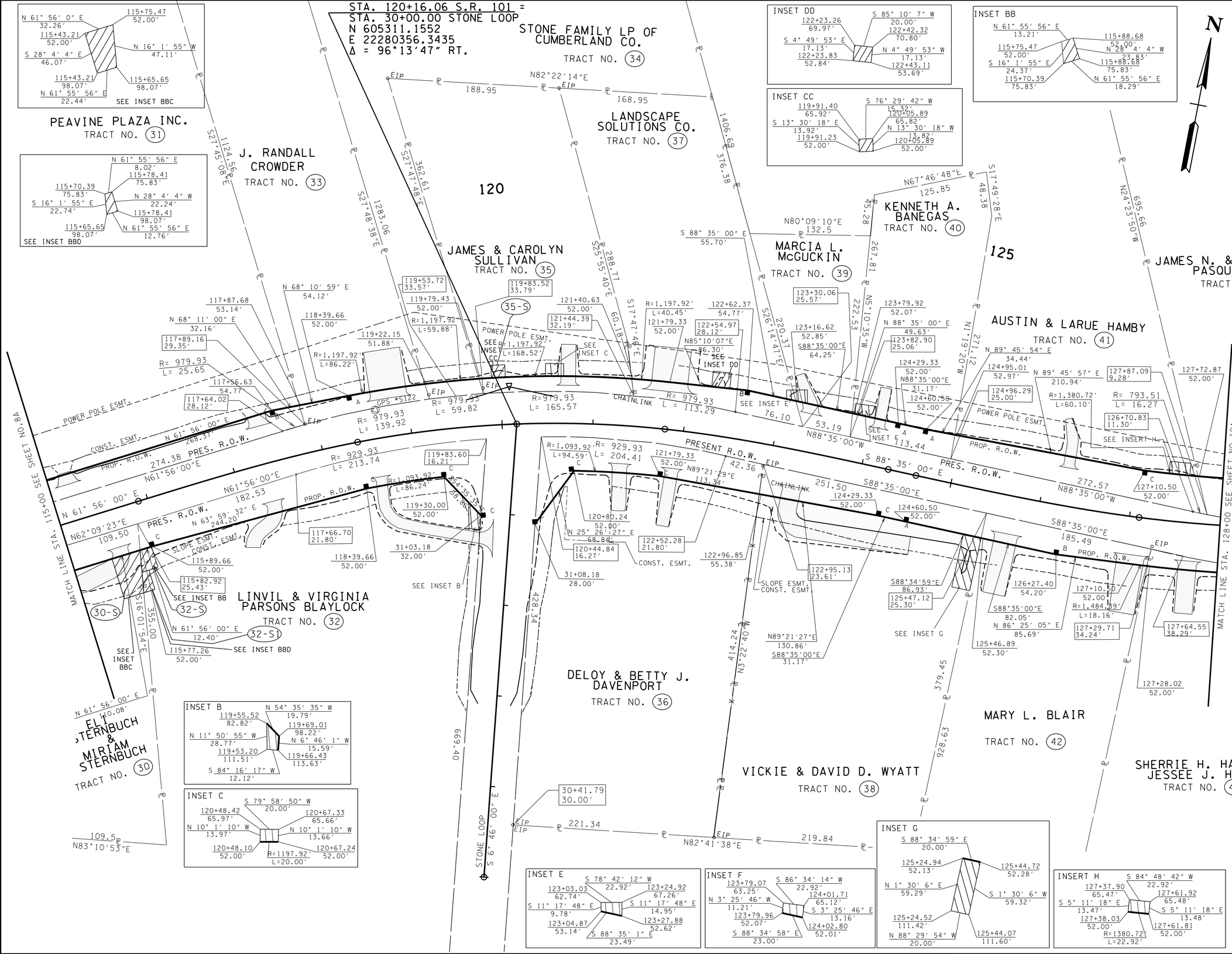
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	9A
CONST	2015	STP-101(16)	9A

REV. 1-27-11: REMOVED CONST. ESMT. PATTERN. LABELED PROP. R.O.W., SLOPE & CONST. EASEMENTS.
REV.5-10-12: CORRECTED BEARING/DISTANCE FLAGS FOR PROPOSED R.O.W. ON TRACT 40. WIDENED DRIVES ON TRACT 42. MOVED DRN. ESMT. ON TRACT 38.
REV. 6-12-12: UPDATED PROPERTY OWNER NAME FOR TRACTS 39, 42, AND 43. CORRECTED LABELS FOR DRN. ESMT. IN INSET G. UPDATED LIMITS OF CONST. FOR DRIVE AT STA. 125+00 MOVED DRIVE FROM STA. 121+69.60 TO STA. 121+64.41. ADDED DRIVE AT STA. 122+09.44.

REV. 7-24-12: ADDED CONST. ESMT. TO TRACT 36.

REV. 7-27-12: REVISED INSET G DRN. ESMT. REVISED DRIVEWAY AT STA. 123+30 AND ADDED FUTURE PARKING LOT.

REV. 8-08-12: REMOVED TRACT 36 DRIVEWAY. ADDED ENGINEER SEAL BOX.

REV. 08-20-12: LABELED R.O.W. FEATURES & SLOPE FEATURES.

REV. 09-24-12: REMOVED PVT DRIVE ON TRACT 38 AND REPLACED WITH ORIGINAL DRIVEWAY AT STA. 125+00±

REV. 11-26-12: ADDED DRAIN EASMTS TO TRACT 30-S,32-S,35-S,&37

REV. 11-30-12: REMOVE 2 BUS. ENT FROM TRACT 37 AND ADDED ONE 40' BUS. ENT

REV. 12-18-12: REVISED SLOPE LINES ON TRACT 38.

REV. 1-16-13: REMOVED DRAIN EASMT FROM TRACT 37.

REV. 5-22-13: UPDATE YEAR. REVISE TRACT 42 OWNER'S NAME. REVISED PROPERTY OWNERS NAME ON TRACT 30. REMOVED DRIVEWAY ON TRACT 38 AND ADDED DRIVEWAY AT STA.123+30.00. ADDED 30-S1 AND 32-S1.

REV. 6-11-13: REMOVED TRACT 30-S1. REVISED INSET BBC.

REV. 8-29-13: REVISED INSET BB.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 115+00 TO STA. 128+00

SCALE: 1"= 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2003	STP-101(16)	9B
CONST	2015	STP-101(16)	9B

REV. 5-10-12: WIDENED DRIVES STA. 125+77.89 AND STA. 127+18.23.
REV. 6-12-12: MOVED DRIVE FROM STA. 121+69.60 TO 121+64.41. ADDED DRIVE AT STA. 122+09.44.

REV. 7-27-12: REVISED DRIVEWAY AT STA. 123+30. ADDED FUTURE PARKING LOT AND PROP. RIP RAP.

REV. 8-08-12: REMOVED DRIVEWAY AT STA 122+87.44. ADDED ENGINEER SEAL BOX.

REV. 08-20-12: ADDED PAVEMENT MARKINGS.

REV. 09-24-12: REMOVED PVT DRIVE ON TRACT 38 AND REPLACED WITH ORIGINAL DRIVEWAY AT STA. 125+00± ADDED CURVE POINTS AND NORTH EASTING TO STONE LOOP ROAD. ADDED REMAINING WTL-2B PER ENV. REQ

REV. 11-26-12: ADDED LABELS AND REVISED STORM SYSTEMS. ADDED PROP S.D.

REV. 11-30-12: REMOVE 2 BUS. ENT FROM TRACT 37 AND ADDED ONE 40' BUS. ENT

REV. 12-18-12: REVISED INLET ENDWALL WITH DROP INLET(CB-346). ADDED HANDICAP RAMPS ON SIDE ROADS.

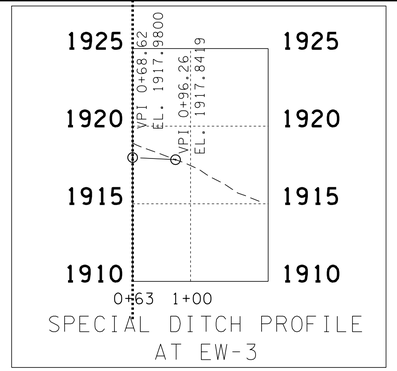
REV. 1-17-13: REMOVED WTL-2B PER ENV. REQUEST.

REV. 5-22-13: UPDATE YEAR. ADDED CATCHBASINS TABLES. REVISE STORM SYSTEM. ADDED SPECIAL DITCH PROFILES FOR EW-3 AND EW-5. ADDED RIP RAP DETAIL FOR EW-3 AND EW-5. REMOVED DRIVEWAY AT STA.125+00± AND ADDED DRIVEWAY AT STA.123+30.00. UPDATE ROADSIDE DITCHES. REVISE 10' DRIVEWAYS TO 12' DRIVEWAYS PER CONST REQ.ADDED PROP. GRADED SOLID ROCK.

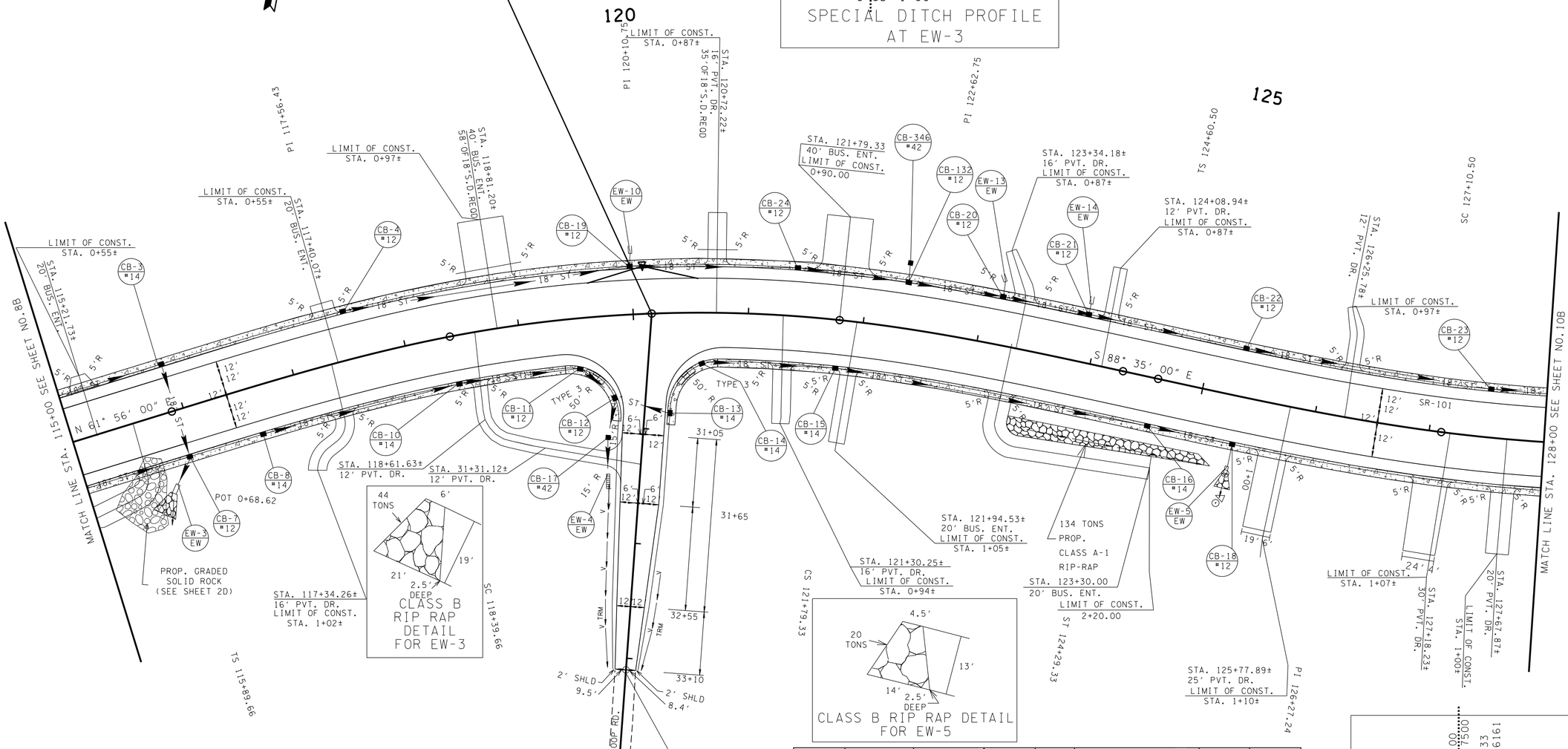
REV. 5-29-13: REVISED CB-13 #12 TO CB-13 #14. ADDED RADIUS TO DRIVEWAYS.

PROPOSE CURVE DATA
S.R. 101
PI 120+16.72
N 605,349.8987
E 2,280,340.4132
Δs 29° 29' 00" (RT)
Θs 6° 15' 00"
Δc 16° 59' 00" (RT)
Dc 5° 00' 00"
Rc 1,145.92
Lc 339.67
Ts 427.07
Ls 250.00
SE 0.071 FT/FT
DESIGN SPEED 50 MPH

STA. 120+16.06 S.R. 101 =
STA. 30+00.00 STONE LOOP
N 605311.1552
E 22280356.3435
Δ = 96°13'47" RT.



SPECIAL DITCH PROFILE AT EW-3

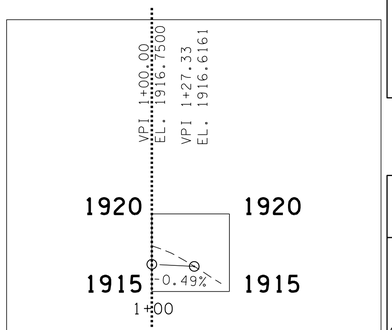


Sheet No.	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
9B	EW-4	STONE LOOP EAST	31+42.00	28		1917.76	1915.38
9B	CB-17	STONE LOOP EAST	31+10.00	30	IN. EL. 1915.50 (CB-12)	1919.17	1915.5
9B	CB-12	STONE LOOP EAST	30+75.00	26	IN. EL. 1916.43 (CB-11) IN. EL. 1916.43 (CB-13)	1923.23	1916.43
9B	CB-11	SR101	119+50.00	43	IN. EL. 1917.49 (CB-10)	1922.93	1917.49
9B	CB-13	STONE LOOP EAST	30+85.00	-21		1922.79	1919.03
9B	CB-10	SR101	118+40.00	41	IN. EL. 1919.35 (CB-8)	1923.11	1919.35
9B	CB-8	SR101	116+60.00	41		1923.84	1920.08

Sheet No.	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
9B	EW-5	SR101	125+35.00	61.59			1916.75
9B	CB-18	SR101	125+35.00	41	IN. EL. 1917.03 (CB-16)	1923.22	1916.8
9B	CB-16	SR101	124+60.00	41	IN. EL. 1917.56 (CB-15)	1922.79	1917.56
9B	CB-15	SR101	121+80.00	41	IN. EL. 1918.15 (CB-14)	1922.12	1918.36
9B	CB-14	SR101	120+60.00	42		1922.85	1919.01

POT 35+00.00
N 604814.6380
E 2280415.2566

35



SPECIAL DITCH PROFILE AT EW-5

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 115+00 TO STA. 128+00

SCALE: 1"= 50'

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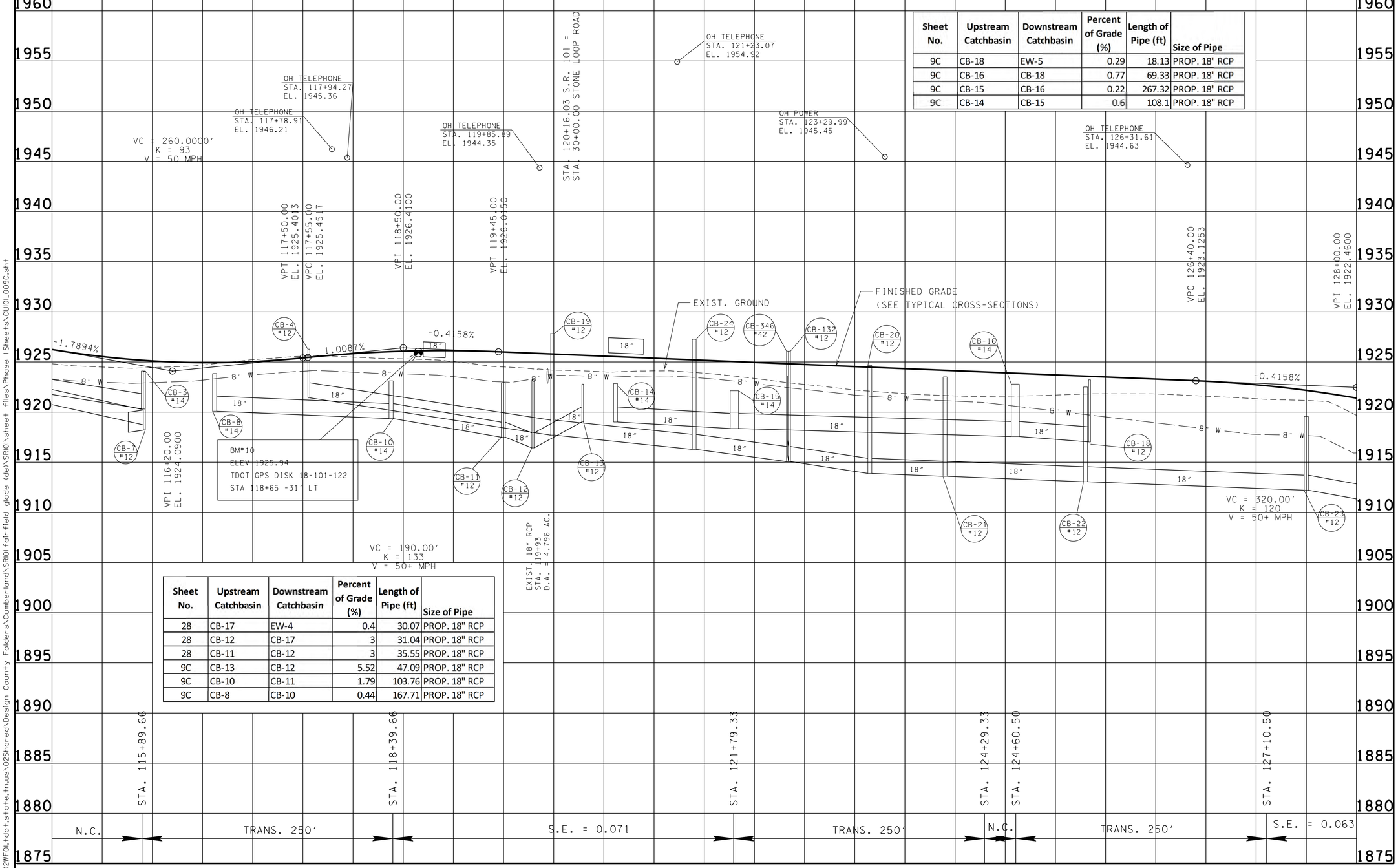
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	9C
CONST	2015	STP-101(16)	9C

REV. 11-26-12-ADDED STORM SYSTEM AND PROP. PIPES.

REV. 12-18-12-ADDED DROP INLET(CB-346)

REV. 5-22-13-UPDATE YEAR. ADDED PIPE TABLES.



Sheet No.	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
9C	CB-18	EW-5	0.29	18.13	PROP. 18" RCP
9C	CB-16	CB-18	0.77	69.33	PROP. 18" RCP
9C	CB-15	CB-16	0.22	267.32	PROP. 18" RCP
9C	CB-14	CB-15	0.6	108.1	PROP. 18" RCP

Sheet No.	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
28	CB-17	EW-4	0.4	30.07	PROP. 18" RCP
28	CB-12	CB-17	3	31.04	PROP. 18" RCP
28	CB-11	CB-12	3	35.55	PROP. 18" RCP
9C	CB-13	CB-12	5.52	47.09	PROP. 18" RCP
9C	CB-10	CB-11	1.79	103.76	PROP. 18" RCP
9C	CB-8	CB-10	0.44	167.71	PROP. 18" RCP

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 115+00 TO STA. 128+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

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

PROPOSED CURVE DATA

S.R. 101	CHERRY BRANCH ROAD
PI 130+16.89	PI 31+62.07
N 605,324.8139	N 605,419.4390
E 2,281,354.7358	E 2,281,809.5710
Δs 33° 29′ 00″ (LT)	Δ 24° 52′ 05″ (RT)
θs 5° 00′ 00″	D 22° 45′ 00″
Δc 23° 29′ 00″ (LT)	R 251.85
Dc 4° 00′ 00″	L 109.31
Rc 1,432.39	T 55.53
Lc 587.08	SE 0.064 FT/FT
Ts 556.39	DESIGN SPEED 20 MPH
Ls 250.00	RUNOFF 135′ (60% OUTSIDE 40% INSIDE)
SE 0.063 FT/FT	
DESIGN SPEED 50 MPH	

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	10
CONST	2015	STP-101(16)	10

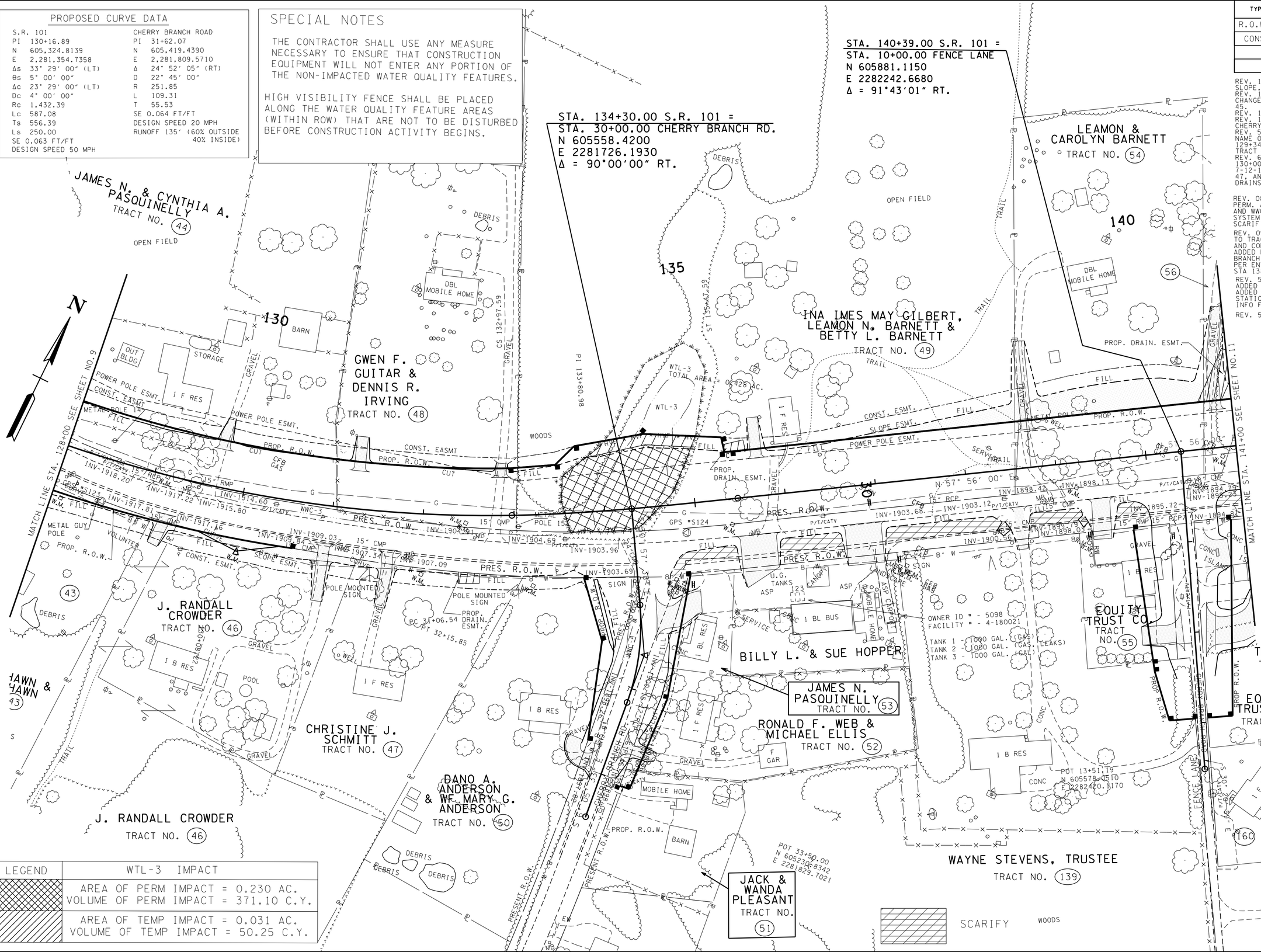
REV. 1-27-11: LABELED PROP. R.O.W., SLOPE, CONST., & DRAINAGE EASEMENTS.
REV. 10-26-11: PROPERTY OWNER NAME CHANGE, TRACT 49. ADDED Z BAR TO TRACT 45.
REV. 11-4-11: CHANGED TRACT 45 TO 46.
REV. 12-19-11: MOVED PROP. R.O.W. FOR CHERRY BRANCH ROAD, RIGHT.
REV. 5-10-12: CORRECTED PROPERTY OWNER NAME ON TRACT 50. ADDED DRIVEWAY STA. 129+34.30, TRACT 46 AND STA. 130+00.00, TRACT 44.
REV. 6-12-12: MOVED DRIVE FROM STA. 130+00 TO STA. 131+25.
7-12-12: LOCATED SIGNS ON TRACTS 43, 46, 47, AND 139. UPDATED DRIVES AND SIDE DRAINS ON TRACTS 50 AND 52.

REV. 08-20-12: ADDED SPECIAL NOTES, PERM. AND TEMP IMPACT TABLE, WWC-3, AND WWC-4. REMOVE PROP. STORM DRAIN SYSTEM. LABELED ROW FEATURES. ADDED SCARIFIED AREAS AND LEGEND.

REV. 09-24-12: ADDED PROP ROW TO TRACT 49. REMOVE DRAIN EASMT AND CONST EASMT ON TRACT 49 ADDED NORTH EASTING TO CHERRY BRANCH ROAD. REVISED WTL-2 TO WTL-3 PER ENV. REQ. REVISED DRIVEWAY AT STA 138+72.70

REV. 5-22-13: UPDATE YEAR. ADDED DESCRIPTION OF TRACT NO. 56 & 57. ADDED PVT DRIVEWAY SHADING. REVISE STATION FOR FENCE LANE. ADDED INFO FOR EXIST. PIPE.

REV. 5-29-13: ADDED ROW MARKERS.



LEGEND	WTL-3 IMPACT
	AREA OF PERM IMPACT = 0.230 AC. VOLUME OF PERM IMPACT = 371.10 C.Y.
	AREA OF TEMP IMPACT = 0.031 AC. VOLUME OF TEMP IMPACT = 50.25 C.Y.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PRESENT LAYOUT

STA. 128+00 TO STA. 141+00

SCALE: 1"= 50′

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Survey & Design Division

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	10A
CONST	2015	STP-101(16)	10A

REV. 1-27-11: LABELED PROPOSED R.O.W., AND SLOPE AND CONST. EASEMENTS. REMOVED CONSTRUCTION EASEMENT PATTERN.
REV. 10-26-11: PROPERTY OWNER NAME CHANGE, TRACT 49. ADDED Z BAR TO TRACT 45.
REV. 11-4-11: CHANGED TRACT 45 TO 46.
REV. 12-19-11: MOVED PROPOSED R.O.W. FOR CHERRY BRANCH ROAD, RIGHT.
REV. 5-10-12: LABELED PROP. R.O.W. ON NORTHEAST CORNER OF TRACT 46. CORRECTED PROPERTY OWNER NAME ON TRACT 50. REMOVED CONSTRUCTION EASEMENT ON TRACTS 52 AND 53. ADDED DRIVE STA. 129+34.30, TRACT 46 AND STA. 130+00.00, TRACT 44.
REV. 6-12-12: MOVED DRIVE FROM STA. 130+00 TO STA. 131+25.

REV. 08-20-12: LABELED R.O.W FEATURES & SLOPE FEATURES.

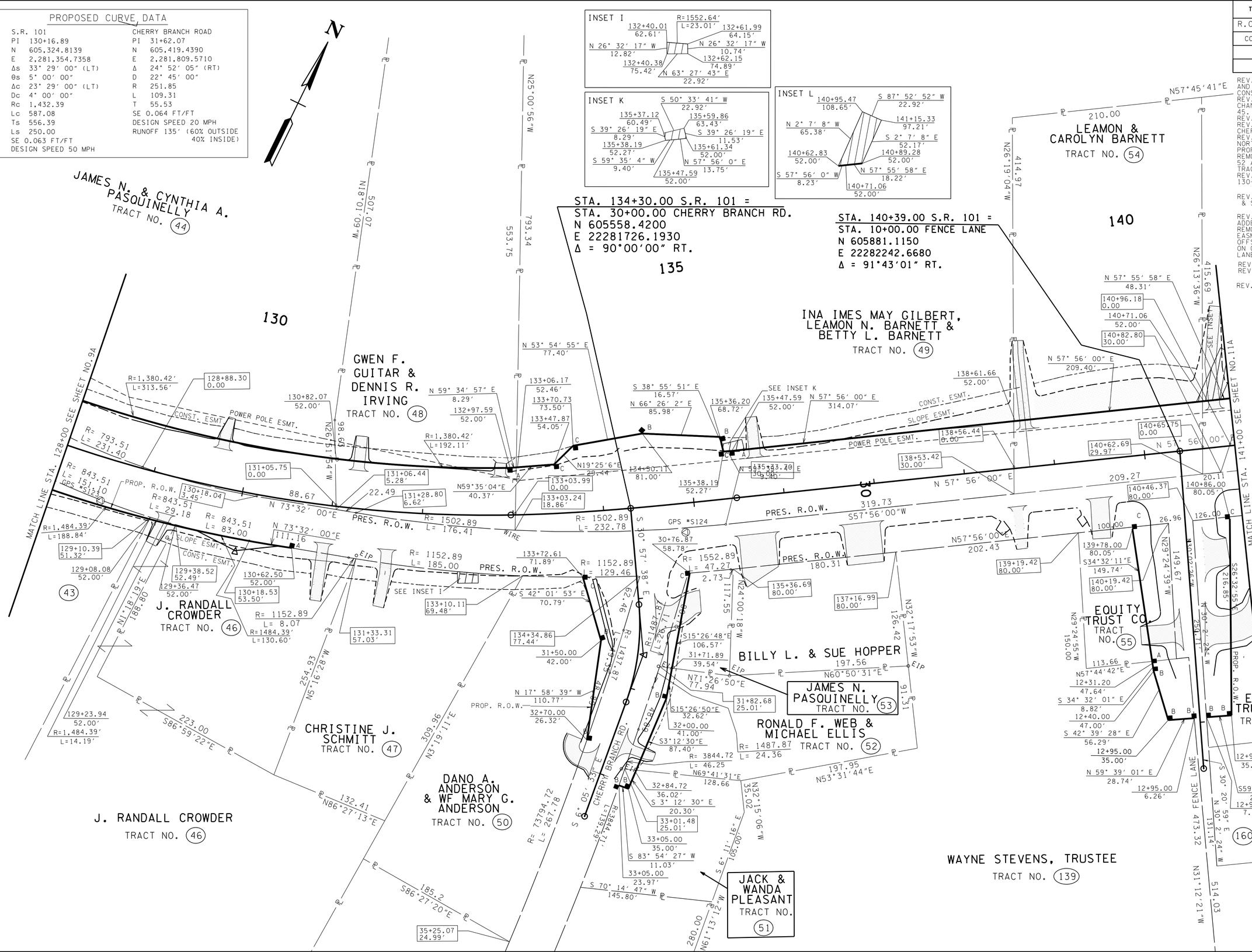
REV. 09-24-12: REMOVED INSET J. ADDED PROP. ROW ON TRACT 49. REMOVED DRAIN EASMT AND CONST EASMT ON TRACT 49. REVISED STA. AND OFFSET, ALIGNMENT, AND SLOPE LINES ON CHERRY BRANCH ROAD AND FENCE LANE. REVISED DRIVEWAY AT STA. 138+72.70

REV. 5-22-13: UPDATE YEAR. REVISE STATION AT FENCE LANE.

REV. 5-29-13: ADDED ROW MARKERS.

PROPOSED CURVE DATA

S.R. 101	CHERRY BRANCH ROAD
PI 130+16.89	PI 31+62.07
N 605,324.8139	N 605,419.4390
E 2,281,354.7358	E 2,281,809.5710
Δs 33° 29′ 00″ (LT)	Δ 24° 52′ 05″ (RT)
θs 5° 00′ 00″	D 22° 45′ 00″
Δc 23° 29′ 00″ (LT)	R 251.85
Dc 4° 00′ 00″	L 109.31
Rc 1,432.39	T 55.53
Lc 587.08	SE 0.064 FT/FT
Ts 556.39	DESIGN SPEED 20 MPH
Ls 250.00	RUNOFF 135′ (60% OUTSIDE 40% INSIDE)
SE 0.063 FT/FT	
DESIGN SPEED 50 MPH	



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 128+00 TO STA. 141+00

SCALE: 1"= 50'

20-OCT-2014 11:27
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

Sheet No.	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
10B	EW-006	SR101	134+20.00	-61.04			1902.02
10B	CB-28	SR101	133+80.00	-41	IN. EL. 1902.19 (CB-27)	1907.86	1902.19
10B	CB-27	SR101	133+00.00	-41	IN. EL. 1902.98 (CB-26)	1907.06	1902.48
10B	CB-26	SR101	131+10.00	-41	IN. EL. 1905.64 (CB-25)	1910.35	1905.64
10B	CB-25	SR101	129+50.00	-41	IN. EL. 1908.67 (CB-23)	1915.24	1908.67
9B	CB-23	SR101	127+50.00	-41	IN. EL. 1912.21 (CB-22)	1919.56	1912.21
9B	CB-22	SR101	125+30.00	-41	IN. EL. 1913.06 (CB-21)	1922.5	1913.06
9B	CB-21	SR101	123+90.00	-41	IN. EL. 1913.60 (CB-20) IN. EL. 1913.60 (EW-14)	1923.51	1913.6
9B	CB-20	SR101	123+15.00	-41	IN. EL. 1913.89 (CB-132) IN. EL. 1913.89 (EW-13)	1924.64	1913.89
9B	EW-14	SR101	123+90.00	-51.2	1914.37		
9B	EW-13	SR101	123+14.42	-55.16	1915.06		
9B	CB-132	SR101	122+34.00	-41	IN. EL. 1915.07 (CB-24) IN. EL. 1915.07 (CB-346)	1926.07	1915.07
9B	CB-24	SR101	121+40.00	-41	IN. EL. 1916.28 (CB-19)	1927.26	1916.28
9B	CB-346	SR101	122+33.00	-57		1923.62	1915.75
9B	CB-19	SR101	119+99.00	-41	IN. EL. 1917.70 (CB-4) IN. EL. 1917.70 (EW-10)	1927.85	1917.7
9B	CB-4	SR101	117+55.00	-41		1926.27	1921.42
9B	EW-10	SR101	120+00.00	-52.95	1918.66		

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	10B
CONST	2015	STP-101(16)	10B

REV. 5-10-12: ADDDED DRIVEWAYS STA. 129+34.30 AND STA. 130+00.00.
REV. 6-12-12: MOVED DRIVE FROM STA. 130+00 TO STA. 131+25.

REV. 08-20-12: ADDED TEMP IMPACT PROP TREE, AND REMAINDER TO WTL-3. ADDED PAVEMENT MARKINGS.

REV. 09-24-12: ADDED NOTE FOR TREE PLANTINGS AND PERM. IMPACT MITIGATION FOR WTL-3 PER ENV. REQ. ADDED CURVE TEXT. REVISED DRIVEWAY AT STA 138+72.70

REV. 11-26-12: ADDED LABELS AND REVISED STORM SYSTEMS. ADDED PROP. S.D.

REV. 12-18-12: ADDED HANDICAP RAMP TO SIDE ROADS.

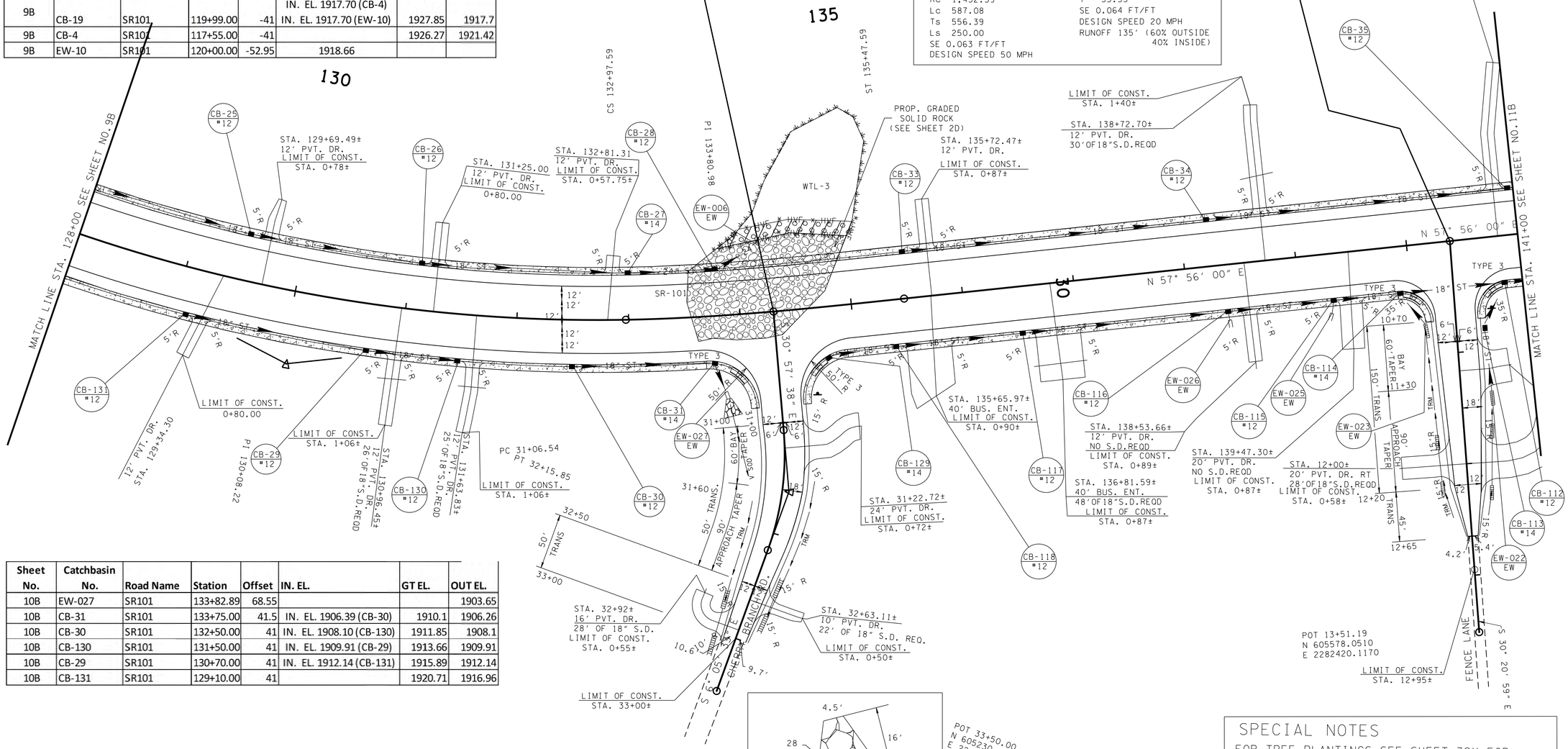
REV. 5-22-13: UPDATE YEAR. REMOVE PVT MARKINGS. ADDED CATCHBASINS TABLES. REVISE STORM SYSTEM. UPDATE ROADSIDE DITCHES. REVISE 10' DRIVEWAYS TO 12' DRIVEWAYS PER CONST REQ.ADDED PROP. GRADED SOLID ROCK.

STA. 140+39.00 S.R. 101 =
STA. 10+00.00 FENCE LANE
N 605881.1150
E 2282242.6680
Δ = 91°43'01" RT.

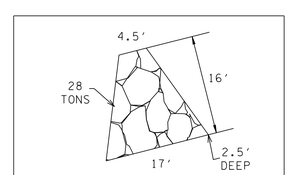
STA. 134+30.00 S.R. 101 =
STA. 30+00.00 CHERRY BRANCH RD.
N 605558.4200
E 2281726.1930
Δ = 90°00'00" RT.

PROPOSED CURVE DATA

S.R. 101	CHERRY BRANCH ROAD
PI 130+16.89	PI 31+62.07
N 605,324.8139	N 605,419.4390
E 2,281,354.7358	E 2,281,809.5710
Δs 33° 29' 00" (LT)	Δ 24° 52' 05" (RT)
θs 5° 00' 00"	D 22° 45' 00"
Δc 23° 29' 00" (LT)	R 251.85
Dc 4° 00' 00"	L 109.31
Rc 1,432.39	T 55.53
Lc 587.08	SE 0.064 FT/FT
Ts 556.39	DESIGN SPEED 20 MPH
Ls 250.00	RUNOFF 135' (60% OUTSIDE 40% INSIDE)
SE 0.063 FT/FT	
DESIGN SPEED 50 MPH	



Sheet No.	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
10B	EW-027	SR101	133+82.89	68.55			1903.65
10B	CB-31	SR101	133+75.00	41.5	IN. EL. 1906.39 (CB-30)	1910.1	1906.26
10B	CB-30	SR101	132+50.00	41	IN. EL. 1908.10 (CB-130)	1911.85	1908.1
10B	CB-130	SR101	131+50.00	41	IN. EL. 1909.91 (CB-29)	1913.66	1909.91
10B	CB-29	SR101	130+70.00	41	IN. EL. 1912.14 (CB-131)	1915.89	1912.14
10B	CB-131	SR101	129+10.00	41		1920.71	1916.96



CLASS B RIP RAP DETAIL FOR EW-027

POT 33+50.00
N 605230.8342
E 2281829.7021

SPECIAL NOTES

FOR TREE PLANTINGS SEE SHEET 32Y FOR WETLAND MITIGATION INFORMATION.

FOR PERM. IMPACT TO WTL-3, MITIGATION WILL BE DONE WITHIN THE HUC 8 OR WITH MITIGATION BANK AT RATIO OF 4:1

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 128+00 TO STA. 141+00

SCALE: 1"= 50'

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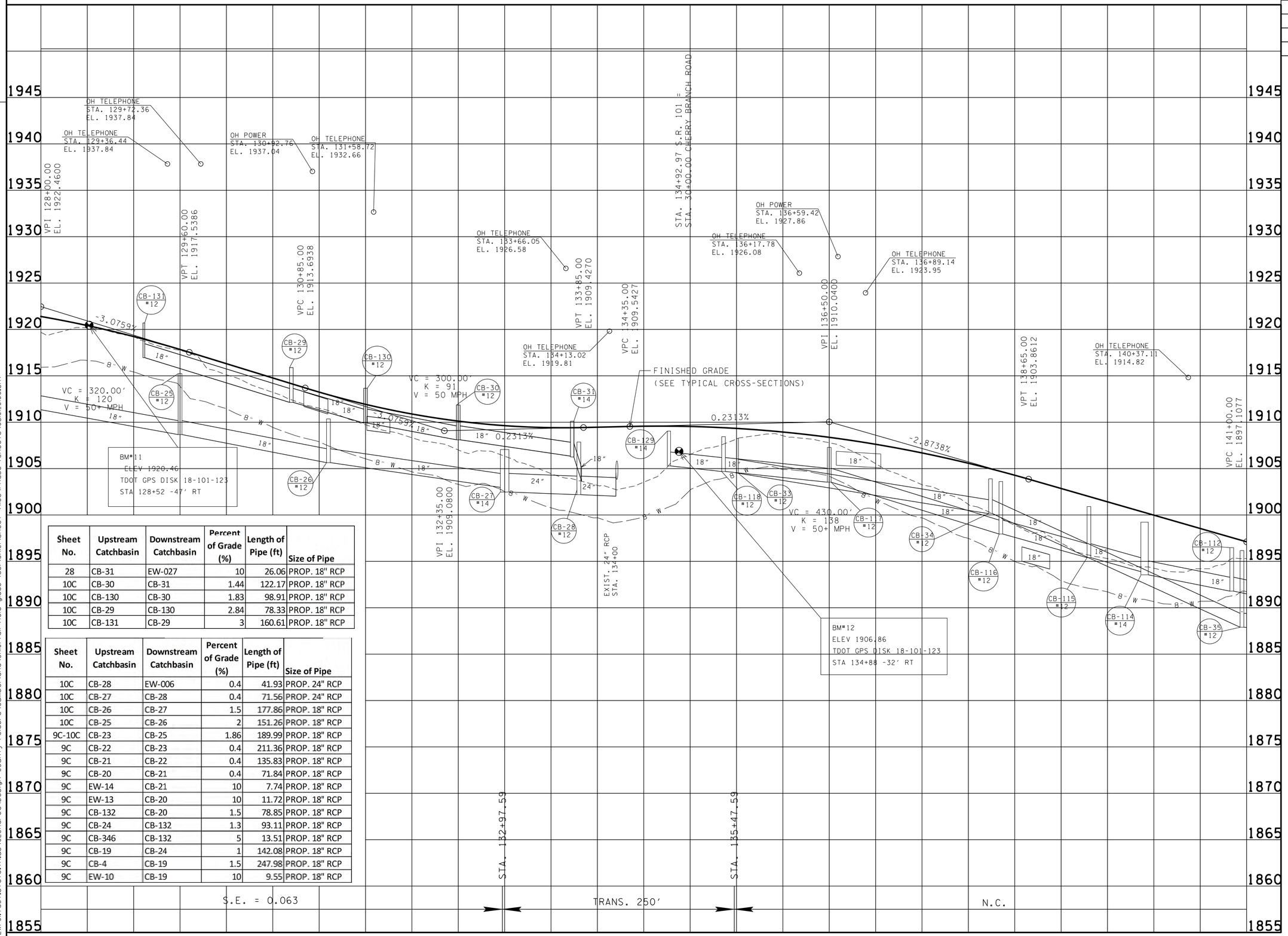
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	10C
CONST	2015	STP-101(16)	10C

REV. 11-26-12- ADDED STORM SYSTEM AND PROP. PIPES

REV. 5-22-13- UPDATE YEAR. REVISE STORM SYSTEM. ADDED PIPE TABLE. REMOVED PROP SD AT STA. 138+53.66 AND 139+47.30.



Sheet No.	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
28	CB-31	EW-027	10	26.06	PROP. 18" RCP
10C	CB-30	CB-31	1.44	122.17	PROP. 18" RCP
10C	CB-130	CB-30	1.83	98.91	PROP. 18" RCP
10C	CB-29	CB-130	2.84	78.33	PROP. 18" RCP
10C	CB-131	CB-29	3	160.61	PROP. 18" RCP

Sheet No.	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
10C	CB-28	EW-006	0.4	41.93	PROP. 24" RCP
10C	CB-27	CB-28	0.4	71.56	PROP. 24" RCP
10C	CB-26	CB-27	1.5	177.86	PROP. 18" RCP
10C	CB-25	CB-26	2	151.26	PROP. 18" RCP
9C-10C	CB-23	CB-25	1.86	189.99	PROP. 18" RCP
9C	CB-22	CB-23	0.4	211.36	PROP. 18" RCP
9C	CB-21	CB-22	0.4	135.83	PROP. 18" RCP
9C	CB-20	CB-21	0.4	71.84	PROP. 18" RCP
9C	EW-14	CB-21	10	7.74	PROP. 18" RCP
9C	EW-13	CB-20	10	11.72	PROP. 18" RCP
9C	CB-132	CB-20	1.5	78.85	PROP. 18" RCP
9C	CB-24	CB-132	1.3	93.11	PROP. 18" RCP
9C	CB-346	CB-132	5	13.51	PROP. 18" RCP
9C	CB-19	CB-24	1	142.08	PROP. 18" RCP
9C	CB-4	CB-19	1.5	247.98	PROP. 18" RCP
9C	EW-10	CB-19	10	9.55	PROP. 18" RCP

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 128+00 TO STA. 141+00

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.	2010	STP-101(16)	11
CONST	2015	STP-101(16)	11

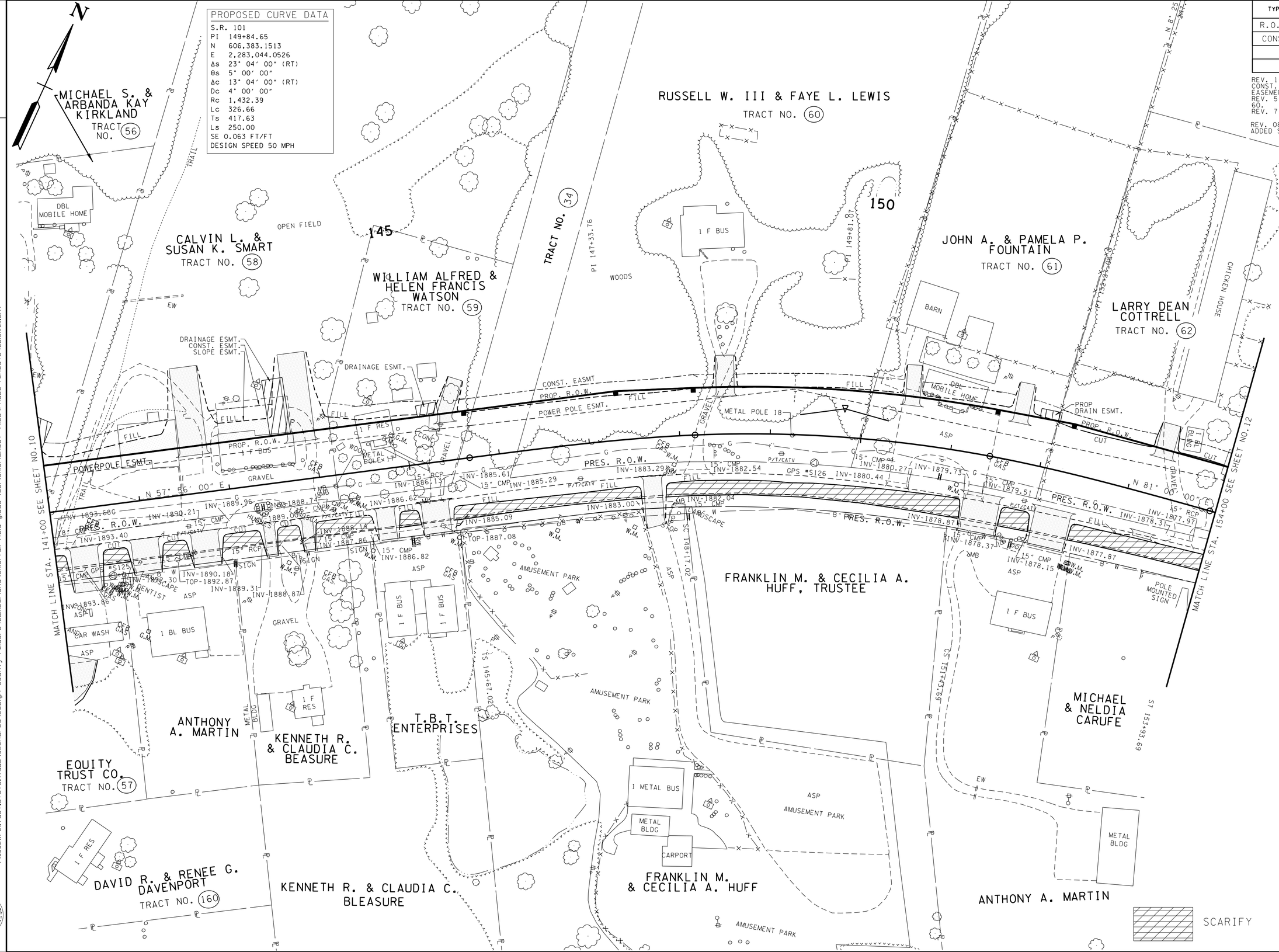
REV. 1-27-11: LABELED PROP. R.O.W., CONST., SLOPE, AND DRAINAGE EASEMENTS.
REV. 5-10-12: WIDENED DRIVEWAY ON TRACT 60.
REV. 7-12-12: UPDATED DRIVE ON TRACT 58.

REV. 08-20-12: LABELED ROW FEATURES. ADDED SCARIFY LEGEND.

REV. 5-22-13: UPDATE YEAR.

PROPOSED CURVE DATA

S.R.	101
PI	149+84.65
N	606,383.1513
E	2,283,044.0526
Δs	23° 04' 00" (RT)
θs	5° 00' 00"
Δc	13° 04' 00" (RT)
Dc	4° 00' 00"
Rc	1,432.39
Lc	326.66
Ts	417.63
Ls	250.00
SE	0.063 FT/FT
DESIGN SPEED	50 MPH



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PRESENT LAYOUT

STA. 141+00 TO STA. 154+00

SCALE: 1"= 50'

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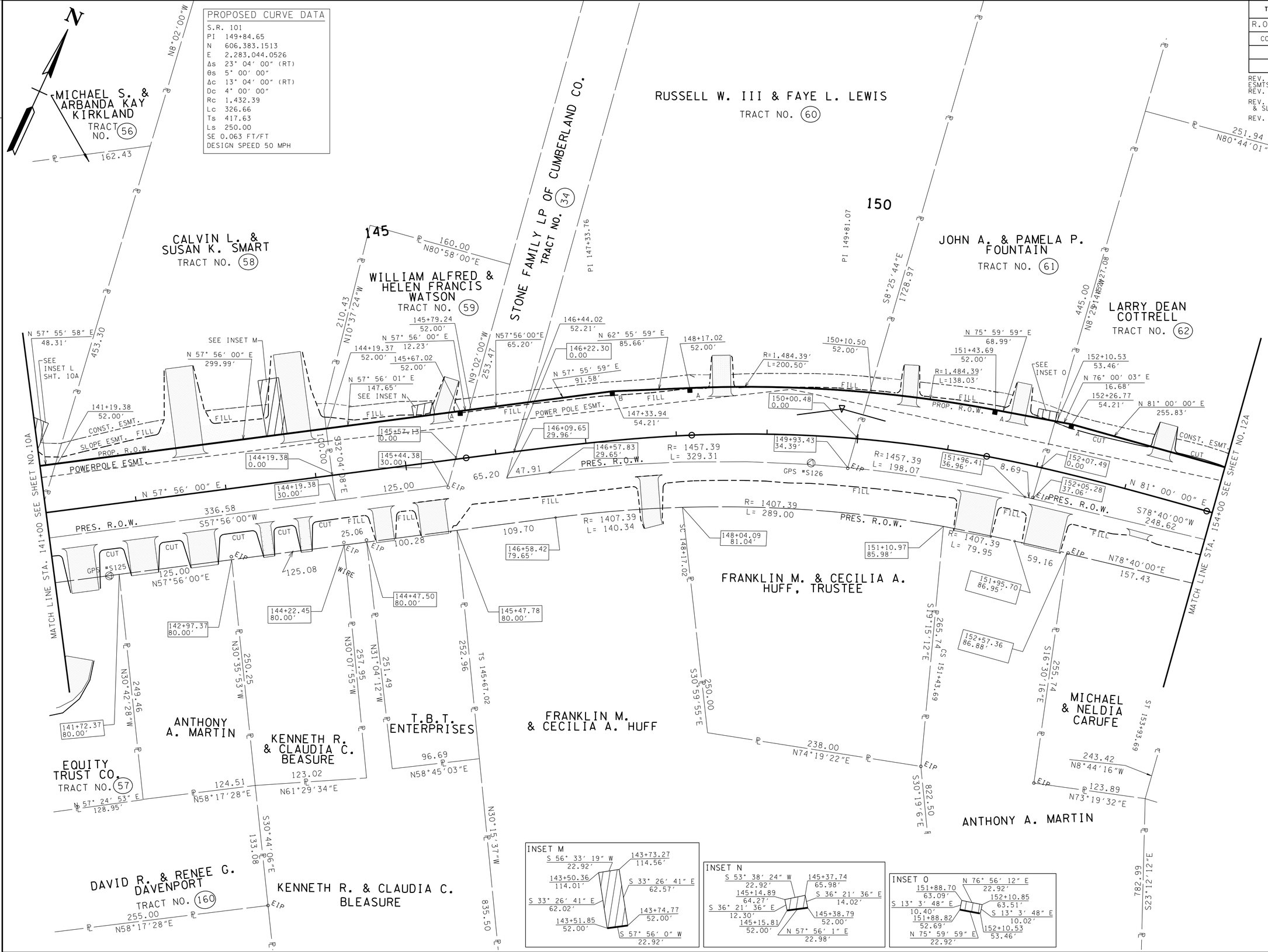
Survey & Design Division

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	11A
CONST	2015	STP-101(16)	11A

REV. 1-27-11: LABELED SLOPE AND CONST. ESMTS. REMOVED CONST. ESMT. PATTERN.
REV. 5-10-12: WIDENED DRIVE ON TRACT 60.
REV. 08-20-12: LABELED ROW FEATURES & SLOPE FEATURES.
REV. 5-22-13: UPDATE YEAR.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 141+00 TO STA. 154+00

SCALE: 1"= 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	11B
CONST	2015	STP-101(16)	11B

REV. 5-10-12: WIDENED DRIVE STA.148+51.

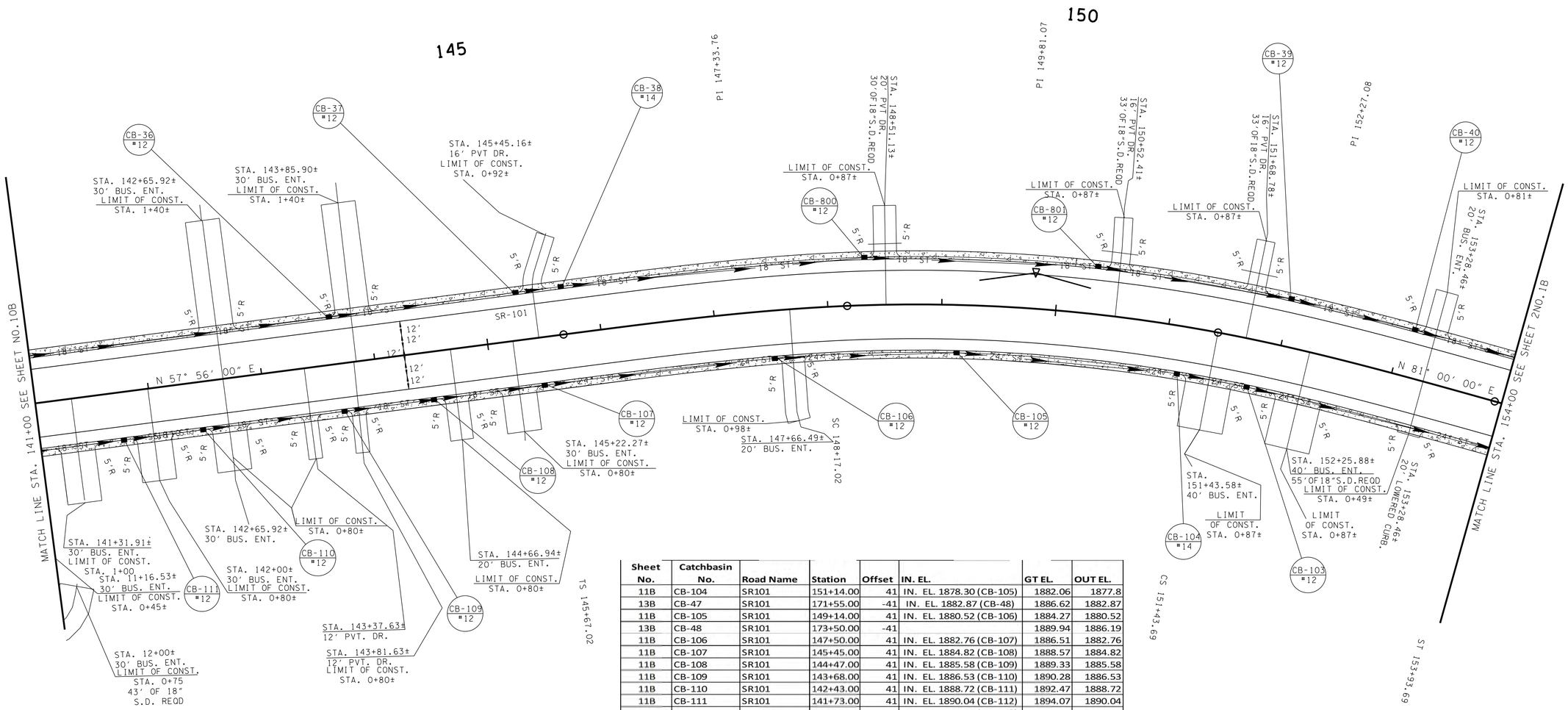
REV. 08-20-12: ADDED PAVEMENT MARKINGS.

REV. 11-26-12: ADDED LABELS AND REVISED STORM SYSTEM. ADDED PROP. S.D.

REV. 5-22-13: UPDATE YEAR. REMOVE PVT MARKINGS. ADDED CATCHBASINS TABLES.

PROPOSED CURVE DATA

S.R. 101
PI 149+84.65
N 606,383.1513
E 2,283,044.0526
Δs 23° 04′ 00″ (RT)
θs 5° 00′ 00″
Δc 13° 04′ 00″ (RT)
Dc 4° 00′ 00″
Rc 1,432.39
Lc 326.66
Ts 417.63
Ls 250.00
SE 0.063 FT/FT
DESIGN SPEED 50 MPH



Sheet No.	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
11B	CB-104	SR101	151+14.00	41	IN. EL. 1878.30 (CB-105)	1882.06	1877.8
13B	CB-47	SR101	171+55.00	-41	IN. EL. 1882.87 (CB-48)	1886.62	1882.87
11B	CB-105	SR101	149+14.00	41	IN. EL. 1880.52 (CB-106)	1884.27	1880.52
13B	CB-48	SR101	173+50.00	-41		1889.94	1886.19
11B	CB-106	SR101	147+50.00	41	IN. EL. 1882.76 (CB-107)	1886.51	1882.76
11B	CB-107	SR101	145+45.00	41	IN. EL. 1884.82 (CB-108)	1888.57	1884.82
11B	CB-108	SR101	144+47.00	41	IN. EL. 1885.58 (CB-109)	1889.33	1885.58
11B	CB-109	SR101	143+68.00	41	IN. EL. 1886.53 (CB-110)	1890.28	1886.53
11B	CB-110	SR101	142+43.00	41	IN. EL. 1888.72 (CB-111)	1892.47	1888.72
11B	CB-111	SR101	141+73.00	41	IN. EL. 1890.04 (CB-112)	1894.07	1890.04
10B	CB-112	SR101	140+84.00	41	IN. EL. 1891.79 (CB-113) IN. EL. 1891.79 (CB-114)	1896.48	1891.79
10B	CB-113	FENCE LANE	10+80.00	-24.65	IN. EL. 1892.78 (EW-022)	1896.6	1892.78
10B	CB-114	SR101	139+90.00	41	IN. EL. 1893.55 (EW-023) IN. EL. 1893.89 (CB-115)	1899.23	1893.55
10B	EW-022	FENCE LANE	11+37.00	-27.38		1897.35	1895.85
10B	EW-023	SR101	140+09.26	71.53		1895.9	1894.4
10B	CB-115	SR101	139+30.00	41	IN. EL. 1895.40 (EW-025) IN. EL. 1895.40 (CB-116)	1900.91	1895.4
10B	EW-025	SR101	139+27.31	53.42		1900.84	1896.44
10B	CB-116	SR101	138+35.00	41	IN. EL. 1897.95 (EW-026) IN. EL. 1897.95 (CB-117)	1903.61	1897.95
10B	EW-026	SR101	138+35.79	49.74		1903.53	1898.58
10B	CB-117	SR101	136+50.00	41	IN. EL. 1903.54 (CB-118)	1907.29	1903.54
10B	CB-118	SR101	135+36.00	41	IN. EL. 1904.69 (CB-129)	1908.44	1904.69
10B	CB-129	SR101	134+75.00	45		1909.05	1905.29

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 141+00 TO STA. 154+00

SCALE: 1″= 50′

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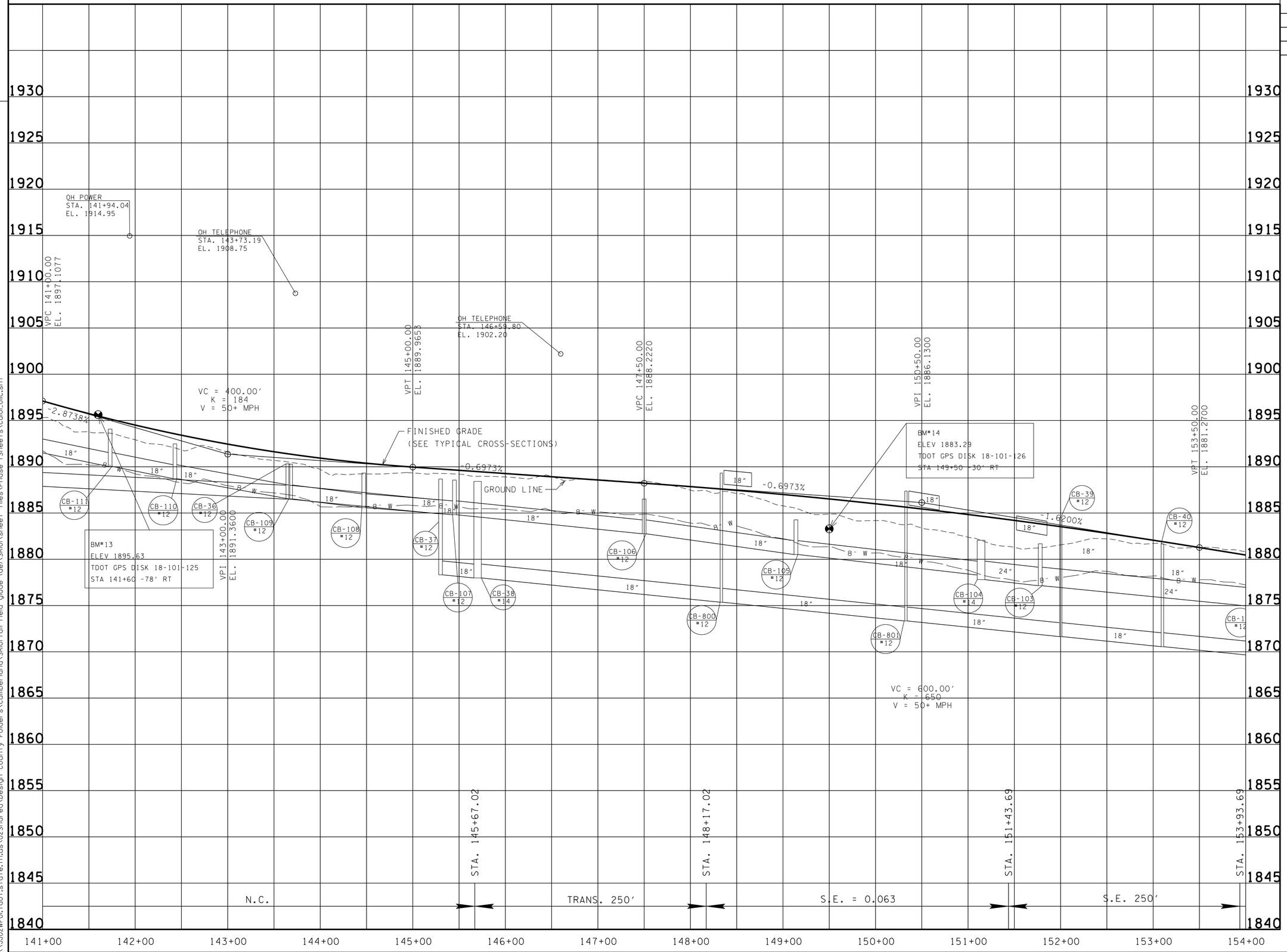
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	11C
CONST	2015	STP-101(16)	11C

REV. 11-26-12- ADDED STORM SYSTEM AND PROP PIPES
REV. 5-22-13- UPDATE YEAR. ADDED PIPE TABLES. REVISE STORM SYSTEM.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 141+00 TO STA. 154+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

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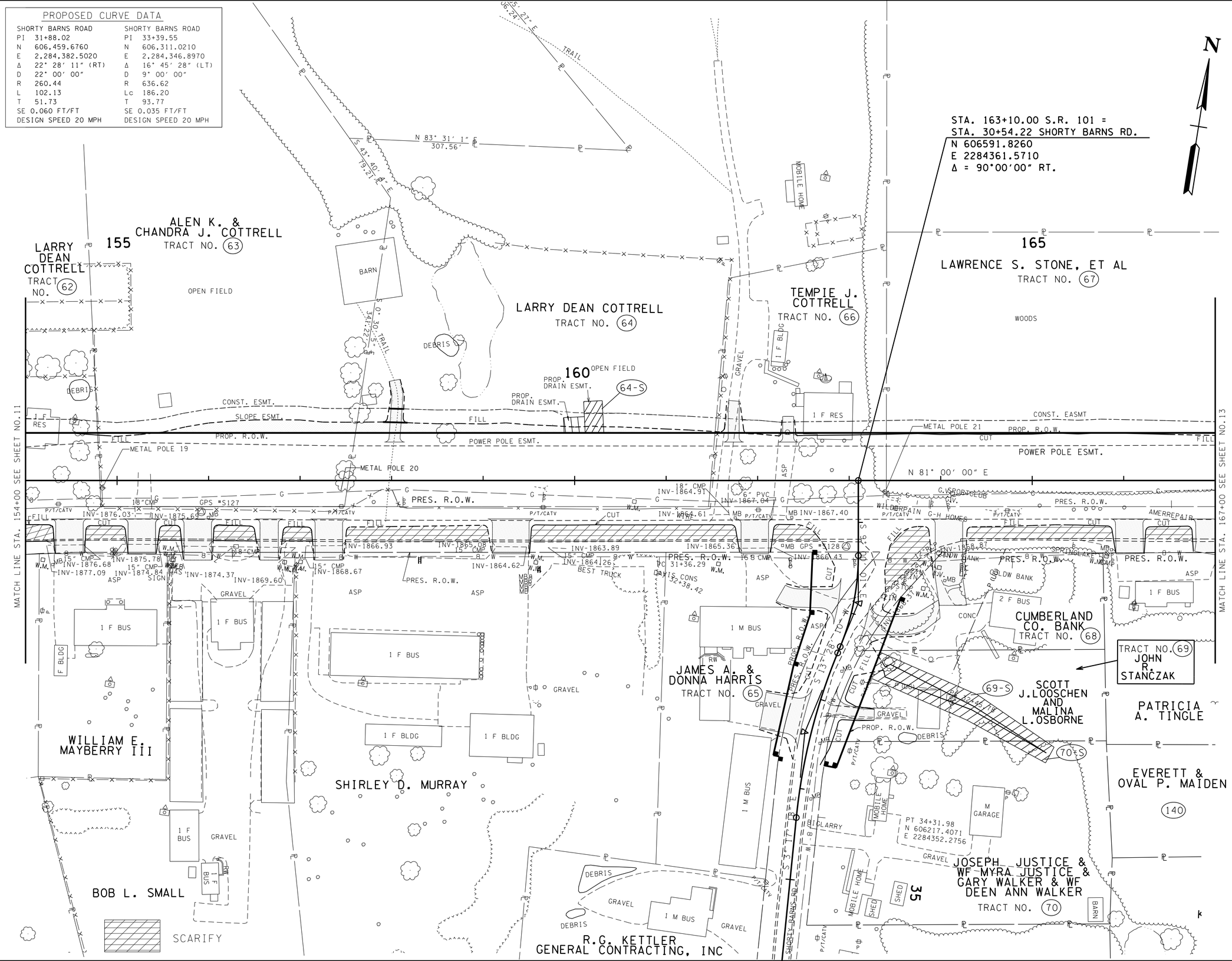
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

PROPOSED CURVE DATA

SHORTY BARNS ROAD		SHORTY BARNS ROAD	
PI	31+88.02	PI	33+39.55
N	606,459.6760	N	606,311.0210
E	2,284,382.5020	E	2,284,346.8970
Δ	22° 28′ 11″ (RT)	Δ	16° 45′ 28″ (LT)
D	22° 00′ 00″	D	9° 00′ 00″
R	260.44	R	636.62
L	102.13	Lc	186.20
T	51.73	T	93.77
SE 0.060 FT/FT		SE 0.035 FT/FT	
DESIGN SPEED 20 MPH		DESIGN SPEED 20 MPH	



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	12
CONST	2015	STP-101(16)	12

REV. 1-27-11: LABELED PROP. R.O.W. AND SLOPE, DRAINAGE, AND CONSTRUCTION EASEMENTS.
REV. 5-10-12: CORRECTED PROPERTY OWNER NAME FOR TRACTS 63, 69, AND 70. ADDED BUILDING TO TRACT 65. CORRECTED THE SOUTHERN AND EASTERN PROPERTY LINES FOR TRACT 63. ADDED DRIVEWAY STA. 162+33.34, TRACT 66.
REV. 6-12-12: UPDATED PROPERTY OWNER NAME FOR TRACT 68.
REV. 7-12-12: LOCATED FENCE ON TRACT 64. LOCATED SIGNS ON TRACTS 67 AND 68. LOCATED UTILIES ON TRACT 67.

REV. 08-20-12: LABELED ROW FEATURES. ADDED SCARIFY LEGEND.

REV. 09-24-12: ADDED NORTH AND EASTING TO PT ON SHORTY BARNES RD.

REV. 11-26-12: ADDED DRAIN EASMT TO TRACT 64-S

REV. 5-22-13: ADDED DRAIN EASMT TO TRACT 69-S AND 70-S. REVISED SLOPE LINES TO SHORTY BARNES RD. UPDATE YEAR. ADDED INFO FOR EXIST PIPES.
REV. 5-29-13: ADDED ROW MARKERS.

REV. 10-17-13: UPDATE SURVEY FOR TRACT 69 PER ROW REQ.

REV. 12-2-13: REVISED PROPERTY OWNER NAME ON TRACT 69 & 69-S PER ROW REQ.

REV. 1-13-14: ADDED PROPERTY OWNER NAME TO TRACT 69 PER ROW REQ.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 154+00 TO STA. 167+00

SCALE: 1"= 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	12A
CONST	2015	STP-101(16)	12A

REV. 1-27-11: LABELED SLOPE AND CONST. ESMTS. REMOVED CONST. ESMT. PATTERNING.
REV. 5-10-12: CORRECTED LENGTH OF DRN. ESMT. IN INSET P. CORRECTED PROPERTY OWNER NAME FOR TRACT 63, 69, & 70. ADDED DRIVEWAY STA. 162+33.34, TRACT 66.
REV. 6-12-12: UPDATED PROPERTY OWNER NAME FOR TRACT 68.

REV. 08-20-12: LABELED ROW FEATURES & SLOPE FEATURES.

REV. 11-26-12: ADDED DRAIN EASMT TO TRACT 64-S.

REV. 5-22-13: ADDED DRAIN EASMT TO TRACT 69-S AND 70-S. REVISED SLOPE LINES TO SHORTY BARNES RD. UPDATE YEAR.

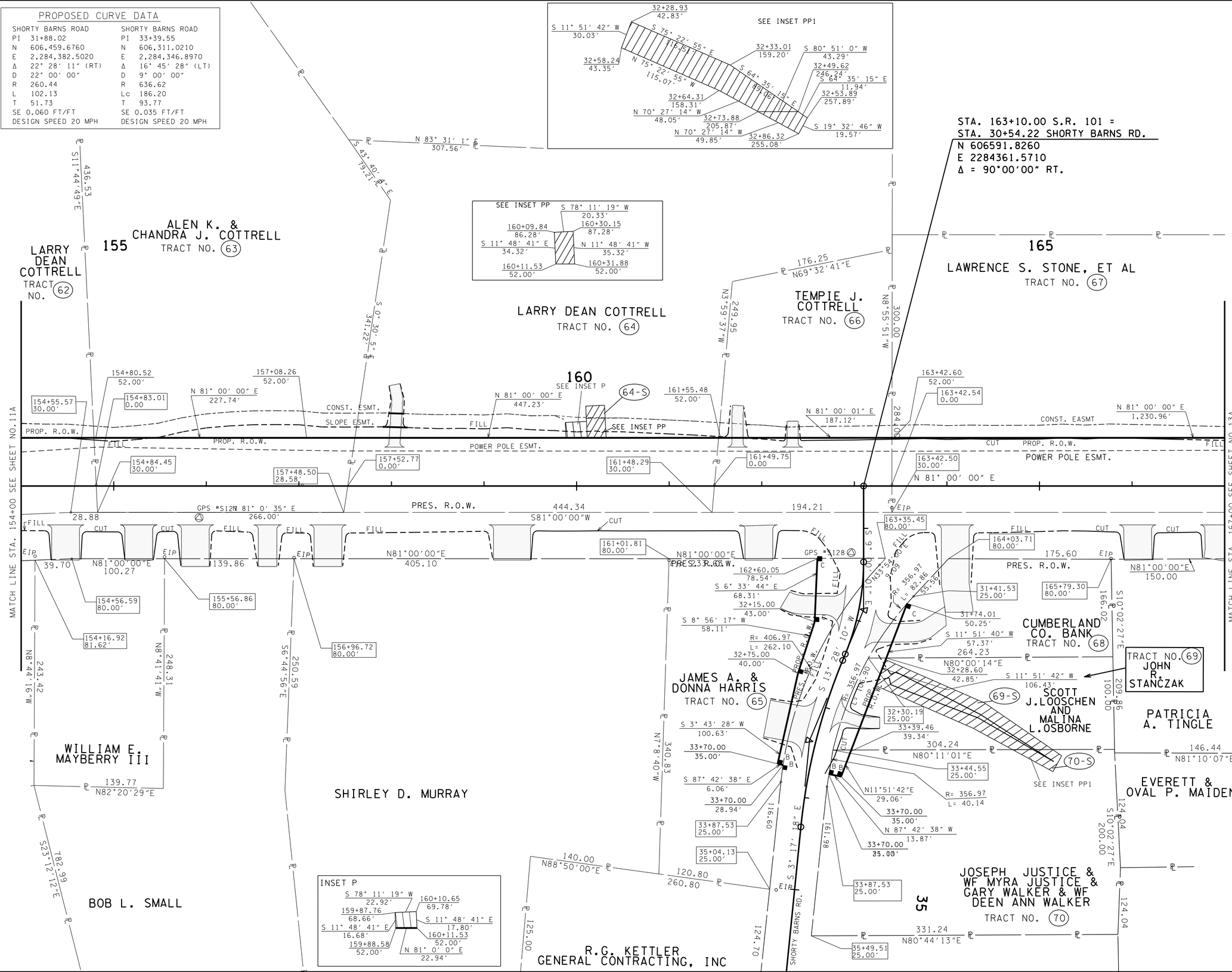
REV. 5-29-13: ADDED ROW MARKERS.

REV. 12-2-13: REVISED PROPERTY OWNER NAME ON TRACT 69 & 69-S PER ROW REQ.

REV. 1-13-14: ADDED PROPERTY OWNER NAME TO TRACT 69 PER ROW REQ.

PROPOSED CURVE DATA

SHORTY BARNS ROAD		SHORTY BARNS ROAD	
PI	31+88.02	PI	33+39.55
N	606,459.6760	N	606,311.0210
E	2,284,382.5020	E	2,284,346.8970
Δ	22° 28′ 11″ (RT)	Δ	16° 45′ 28″ (LT)
D	22° 00′ 00″	D	9° 00′ 00″
R	260.44	R	636.62
L	102.13	Lc	186.20
T	51.73	T	93.77
SE 0.060 FT/FT		SE 0.035 FT/FT	
DESIGN SPEED 20 MPH		DESIGN SPEED 20 MPH	



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 154+00 TO STA. 167+00

SCALE: 1″= 50′

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

PROPOSED CURVE DATA

SHORTY BARNS ROAD		SHORTY BARNS ROAD	
PI	31+88.02	PI	33+39.55
N	606,459.6760	N	606,311.0210
E	2,284,382.5020	E	2,284,346.8970
Δ	22° 28′ 11″ (RT)	Δ	16° 45′ 28″ (LT)
D	22° 00′ 00″	D	9° 00′ 00″
R	260.44	R	636.62
L	102.13	Lc	186.20
T	51.73	T	93.77
SE 0.060 FT/FT		SE 0.035 FT/FT	
DESIGN SPEED 20 MPH		DESIGN SPEED 20 MPH	

Sheet No.	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
12B	EW-028	SR101	158+20.00	-55		1866.36	1864
12B	CB-257	SR101	158+20.00	-41	IN. EL. 1864.54 (CB-41)	1868.16	1864.04
12B	CB-41	SR101	157+50.00	-41	IN. EL. 1865.22 (CB-119)	1869.95	1865.22
12B	CB-119	SR101	155+50.00	-41	IN. EL. 1868.18 (CB-40)	1876.25	1868.18
11B	CB-40	SR101	153+10.00	-41	IN. EL. 1870.55 (CB-39)	1881.65	1870.55
11B	CB-39	SR101	152+00.14	-41	IN. EL. 1871.64 (CB-801)	1884.51	1871.64
11B	CB-801	SR101	150+32.90	-41	IN. EL. 1873.34 (CB-800)	1887.37	1873.34
11B	CB-800	SR101	148+33.40	-41	IN. EL. 1875.36 (CB-38)	1889.32	1875.36
11B	CB-38	SR101	145+70.00	-41	IN. EL. 1877.98 (CB-37)	1888.42	1877.98
11B	CB-37	SR101	145+30.00	-41	IN. EL. 1884.92 (CB-36)	1888.67	1878.32
11B	CB-36	SR101	143+65.00	-41	IN. EL. 1886.50 (CB-35)	1890.32	1886.5
10B	CB-35	SR101	140+95.00	-41	IN. EL. 1887.90 (CB-34)	1896.17	1887.9
10B	CB-34	SR101	138+23.84	-41	IN. EL. 1900.15 (CB-33)	1903.9	1900.15
10B	CB-33	SR101	135+50.00	-41		1908.25	1904.5

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	12B
CONST	2015	STP-101(16)	12B

REV. 5-10-12: ADDED DRIVEWAY STA. 162+33.34

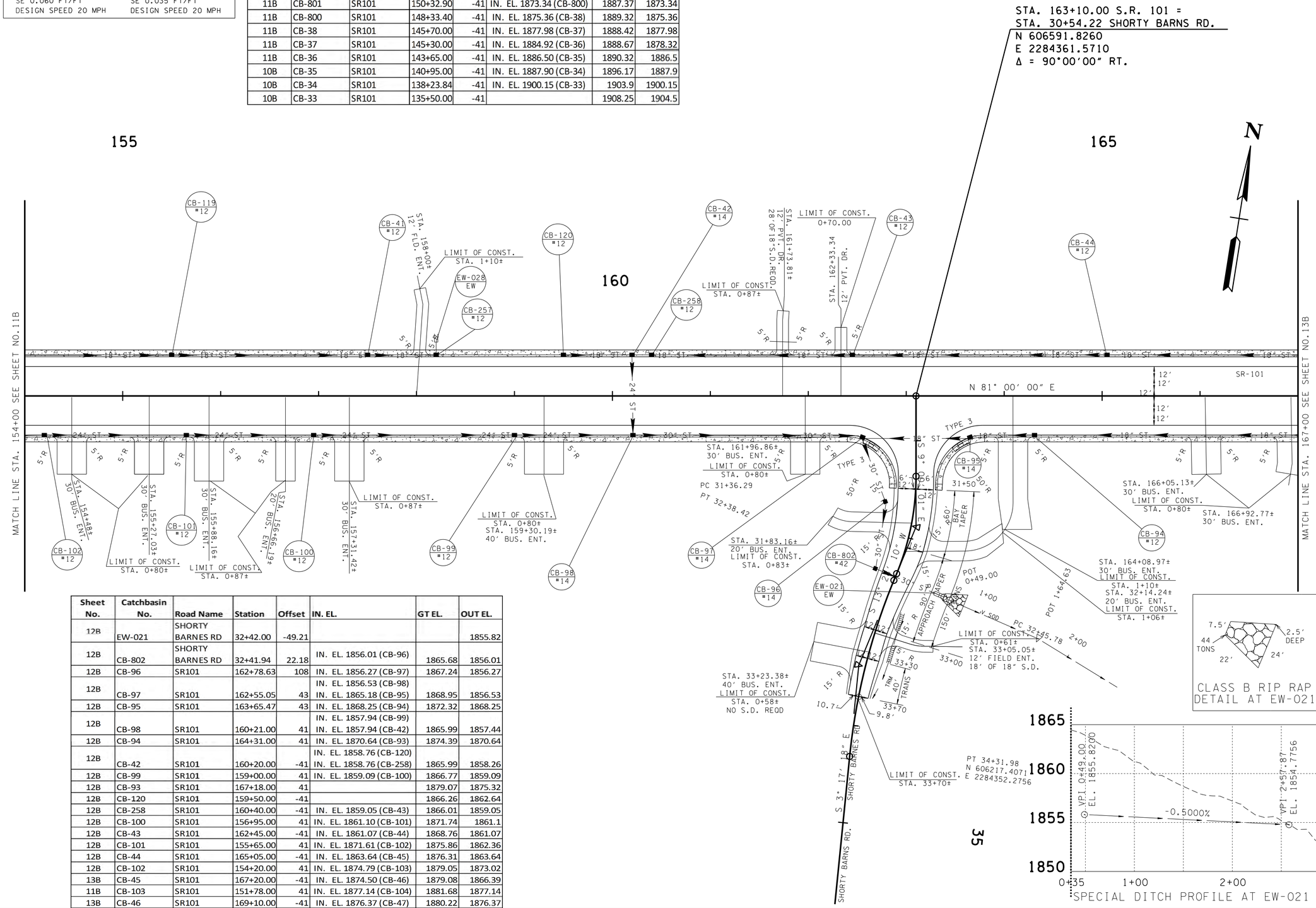
REV. 08-20-12: ADDED PAVEMENT MARKINGS

REV. 09-24-12: ADDED PROP CURVE TEXT

REV. 11-26-12: ADDED LABELS AND REVISED STORM SYSTEM. ADDED PROP. S.D. ADDED RIP-RAP DETAIL.

REV. 12-18-12: ADDED HANDICAP RAMPS TO SIDE ROADS.

REV. 5-22-13: UPDATE YEAR. REMOVE PVMT MARKINGS. ADDED CATCHBASINS TABLES. REVISE DRIVEWAY AT STA.164+08.97 AND STA.32+14.24. REVISED STORM SYSTEM. UPDATE ROADSIDE DITCHES. ADDED SPECIAL DITCH PROFILE. ADDED RIP RAP DETAIL. REVISE 10′ DRIVEWAY TO 12′ DRIVEWAY PER CONST REQ.



Sheet No.	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
12B	EW-021	SHORTY BARNES RD	32+42.00	-49.21			1855.82
12B	CB-802	SHORTY BARNES RD	32+41.94	22.18	IN. EL. 1856.01 (CB-96)	1865.68	1856.01
12B	CB-96	SR101	162+78.63	108	IN. EL. 1856.27 (CB-97)	1867.24	1856.27
12B	CB-97	SR101	162+55.05	43	IN. EL. 1856.53 (CB-98) IN. EL. 1865.18 (CB-95)	1868.95	1856.53
12B	CB-95	SR101	163+65.47	43	IN. EL. 1868.25 (CB-94)	1872.32	1868.25
12B	CB-98	SR101	160+21.00	41	IN. EL. 1857.94 (CB-99) IN. EL. 1857.94 (CB-42)	1865.99	1857.44
12B	CB-94	SR101	164+31.00	41	IN. EL. 1870.64 (CB-93)	1874.39	1870.64
12B	CB-42	SR101	160+20.00	-41	IN. EL. 1858.76 (CB-120) IN. EL. 1858.76 (CB-258)	1865.99	1858.26
12B	CB-99	SR101	159+00.00	41	IN. EL. 1859.09 (CB-100)	1866.77	1859.09
12B	CB-93	SR101	167+18.00	41		1879.07	1875.32
12B	CB-120	SR101	159+50.00	-41		1866.26	1862.64
12B	CB-258	SR101	160+40.00	-41	IN. EL. 1859.05 (CB-43)	1866.01	1859.05
12B	CB-100	SR101	156+95.00	41	IN. EL. 1861.10 (CB-101)	1871.74	1861.1
12B	CB-43	SR101	162+45.00	-41	IN. EL. 1861.07 (CB-44)	1868.76	1861.07
12B	CB-101	SR101	155+65.00	41	IN. EL. 1871.61 (CB-102)	1875.86	1862.36
12B	CB-44	SR101	165+05.00	-41	IN. EL. 1863.64 (CB-45)	1876.31	1863.64
12B	CB-102	SR101	154+20.00	41	IN. EL. 1874.79 (CB-103)	1879.05	1873.02
13B	CB-45	SR101	167+20.00	-41	IN. EL. 1874.50 (CB-46)	1879.08	1866.39
11B	CB-103	SR101	151+78.00	41	IN. EL. 1877.14 (CB-104)	1881.68	1877.14
13B	CB-46	SR101	169+10.00	-41	IN. EL. 1876.37 (CB-47)	1880.22	1876.37

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 154+00 TO STA. 167+00

SCALE: 1″= 50′

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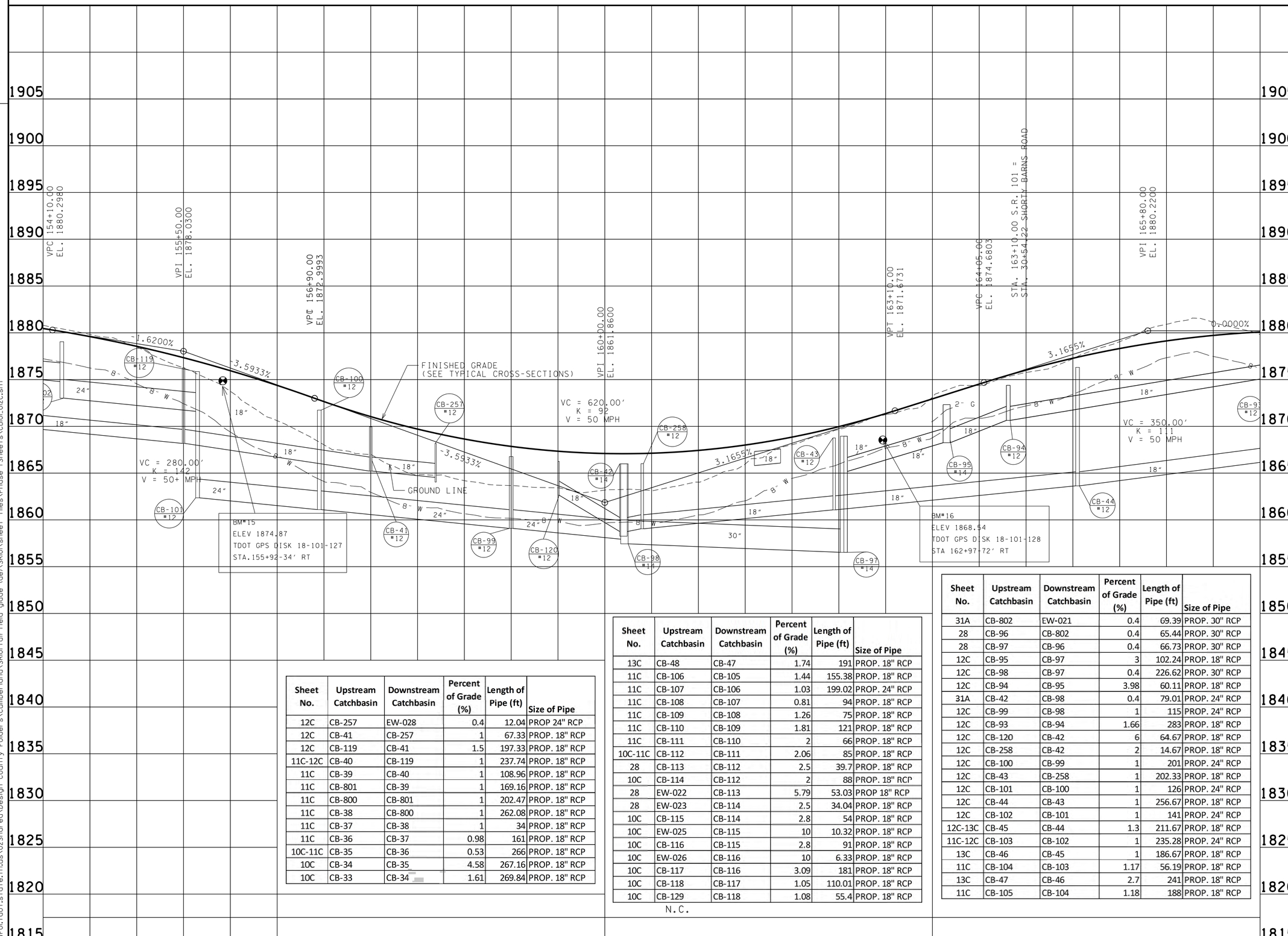
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	12C
CONST	2015	STP-101(16)	12C

REV. 11-26-12- ADDED STORM SYSTEM AND PROP PIPES

REV. 5-22-13- UPDATE YEAR. ADDED PIPE TABLES. REVISED STORM SYSTEM.



Sheet No.	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
12C	CB-257	EW-028	0.4	12.04	PROP 24" RCP
12C	CB-41	CB-257	1	67.33	PROP. 18" RCP
12C	CB-119	CB-41	1.5	197.33	PROP. 18" RCP
11C-12C	CB-40	CB-119	1	237.74	PROP. 18" RCP
11C	CB-39	CB-40	1	108.96	PROP. 18" RCP
11C	CB-801	CB-39	1	169.16	PROP. 18" RCP
11C	CB-800	CB-801	1	202.47	PROP. 18" RCP
11C	CB-38	CB-800	1	262.08	PROP. 18" RCP
11C	CB-37	CB-38	1	34	PROP. 18" RCP
11C	CB-36	CB-37	0.98	161	PROP. 18" RCP
10C-11C	CB-35	CB-36	0.53	266	PROP. 18" RCP
10C	CB-34	CB-35	4.58	267.16	PROP. 18" RCP
10C	CB-33	CB-34	1.61	269.84	PROP. 18" RCP

Sheet No.	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
13C	CB-48	CB-47	1.74	191	PROP. 18" RCP
11C	CB-106	CB-105	1.44	155.38	PROP. 18" RCP
11C	CB-107	CB-106	1.03	199.02	PROP. 24" RCP
11C	CB-108	CB-107	0.81	94	PROP. 18" RCP
11C	CB-109	CB-108	1.26	75	PROP. 18" RCP
11C	CB-110	CB-109	1.81	121	PROP. 18" RCP
11C	CB-111	CB-110	2	66	PROP. 18" RCP
10C-11C	CB-112	CB-111	2.06	85	PROP. 18" RCP
28	CB-113	CB-112	2.5	39.7	PROP. 18" RCP
10C	CB-114	CB-112	2	88	PROP. 18" RCP
28	EW-022	CB-113	5.79	53.03	PROP 18" RCP
28	EW-023	CB-114	2.5	34.04	PROP. 18" RCP
10C	CB-115	CB-114	2.8	54	PROP. 18" RCP
10C	EW-025	CB-115	10	10.32	PROP. 18" RCP
10C	CB-116	CB-115	2.8	91	PROP. 18" RCP
10C	EW-026	CB-116	10	6.33	PROP. 18" RCP
10C	CB-117	CB-116	3.09	181	PROP. 18" RCP
10C	CB-118	CB-117	1.05	110.01	PROP. 18" RCP
10C	CB-129	CB-118	1.08	55.4	PROP. 18" RCP

N.C.

Sheet No.	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
31A	CB-802	EW-021	0.4	69.39	PROP. 30" RCP
28	CB-96	CB-802	0.4	65.44	PROP. 30" RCP
28	CB-97	CB-96	0.4	66.73	PROP. 30" RCP
12C	CB-95	CB-97	3	102.24	PROP. 18" RCP
12C	CB-98	CB-97	0.4	226.62	PROP. 30" RCP
12C	CB-94	CB-95	3.98	60.11	PROP. 18" RCP
31A	CB-42	CB-98	0.4	79.01	PROP. 24" RCP
12C	CB-99	CB-98	1	115	PROP. 24" RCP
12C	CB-93	CB-94	1.66	283	PROP. 18" RCP
12C	CB-120	CB-42	6	64.67	PROP. 18" RCP
12C	CB-258	CB-42	2	14.67	PROP. 18" RCP
12C	CB-100	CB-99	1	201	PROP. 24" RCP
12C	CB-43	CB-258	1	202.33	PROP. 18" RCP
12C	CB-101	CB-100	1	126	PROP. 24" RCP
12C	CB-44	CB-43	1	256.67	PROP. 18" RCP
12C	CB-102	CB-101	1	141	PROP. 24" RCP
12C-13C	CB-45	CB-44	1.3	211.67	PROP. 18" RCP
11C-12C	CB-103	CB-102	1	235.28	PROP. 24" RCP
13C	CB-46	CB-45	1	186.67	PROP. 18" RCP
11C	CB-104	CB-103	1.17	56.19	PROP. 18" RCP
13C	CB-47	CB-46	2.7	241	PROP. 18" RCP
11C	CB-105	CB-104	1.18	188	PROP. 18" RCP

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 154+00 TO STA. 167+00
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.	2010	STP-101(16)	13
CONST	2015	STP-101(16)	13

PROPOSED CURVE DATA

FAIRVIEW DRIVE	S.R. 101
PI 31+73.80	PI 178+25.78
N 606,524.8500	N 606,828.9454
E 2,285,004.9700	E 2,285,858.6862
Δ 17° 53′ 09″ (LT)	Δs 17° 20′ 00″ (RT)
D 14° 00′ 00″	θs 3° 22′ 30″
R 409.26	Δc 10° 35′ 00″ (RT)
L 127.76	Dc 3° 00′ 00″
T 64.40	Rc 1,909.86
SE 0.070 FT/FT	Lc 352.78
DESIGN SPEED 30 MPH	Ts 403.77
RUNOFF 91.7′ (30% OUTSIDE, 70% INSIDE)	Ls 225.00
	SE 0.053 FT/FT
	DESIGN SPEED 50 MPH
	TRANS. LENGTH 000

REV. 1-27-11: LABELED PROP. R.O.W., SLOPE, CONSTRUCTION, AND DRAINAGE EASEMENTS. ADDED SLOPE EASEMENT PATTERN.
REV. 5-10-12: EXTENDED PROP. R.O.W. ON TRACTS 71, 72, 73, AND 140. CORRECTED PROPERTY OWNER NAME FOR TRACT 140.
REV. 6-12-12: ADDED PARKING SPACES ON TRACT 71. MOVED DRIVE FROM STA. 167+44.09 TO STA. 167+53.34. ADDED DRIVE AT STA. 31+79.85.
REV. 7-12-12: LOCATED SIGNS ON TRACTS 64 AND 71. LOCATED UTILIES ON TRACT 64.
REV. 8-9-12: ADDED SHADING TO PROP DRIVES ON TRACT 71.

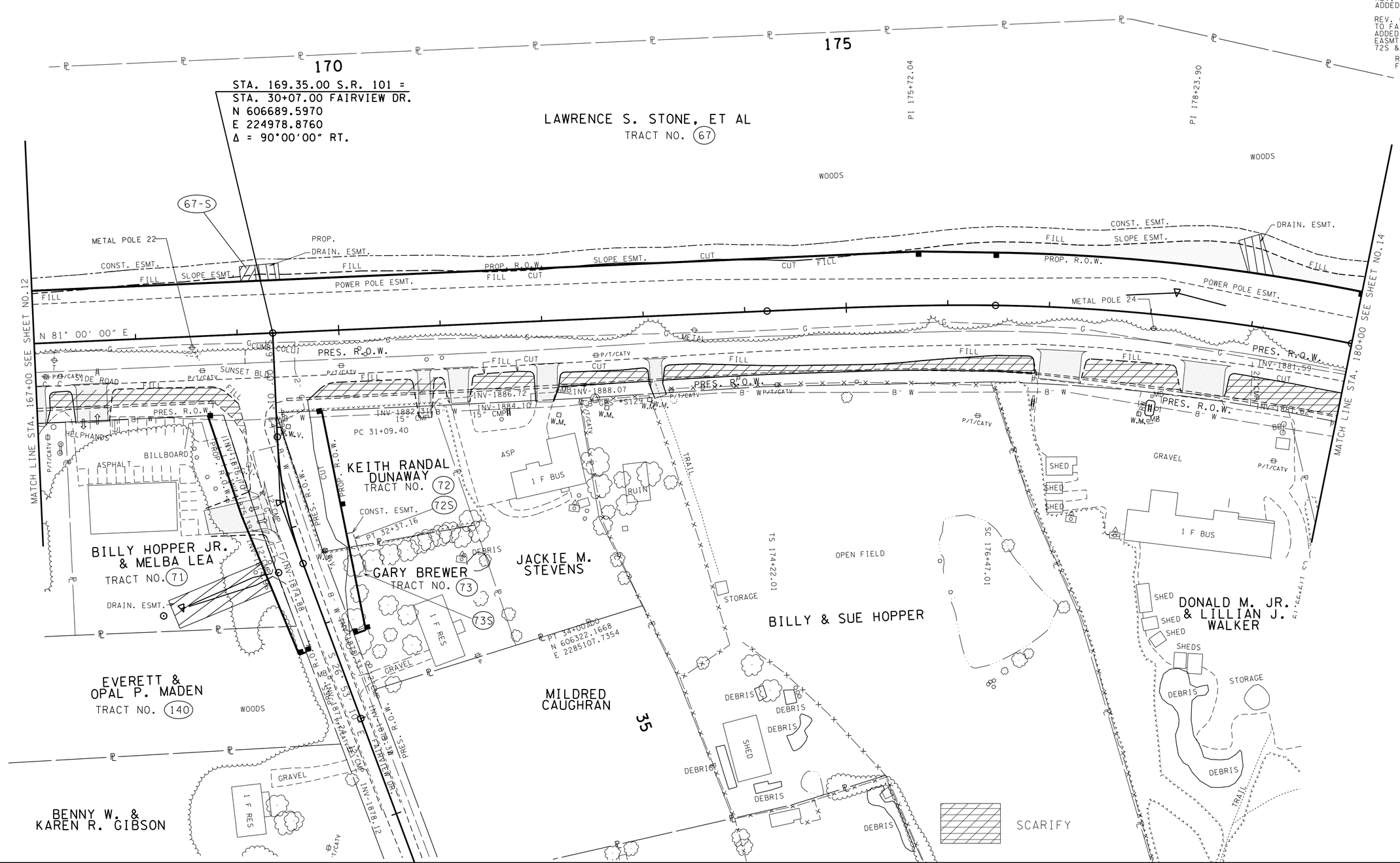
REV. 08-20-12: LABELED ROW FEATURES. ADDED SCARIFY LEGEND.

REV. 09-24-12: ADDED NORTH AND EASTING TO FAIRVIEW DR. REVISED SLOPE LINES, ADDED PROP DRAIN EASMT, AND CONST EASMT TO FAIRVIEW DR. ADDED TRACT 72S & 73S

REV. 11-26-12: ADDED DRAIN EASMT FOR TRACT 67-S

REV. 5-22-13: UPDATE YEAR. REVISE DRIVEWAY RADIUS ON TRACT 72. ADDED INFO FOR EXIST. PIPE.

REV. 5-29-13: ADDED ROW MARKERS.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 167+00 TO STA. 180+00

SCALE: 1″= 50′

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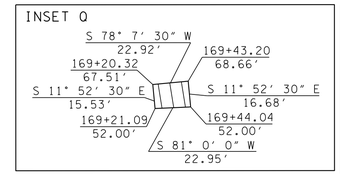
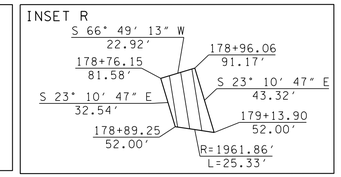
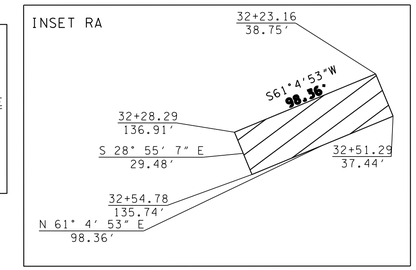
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

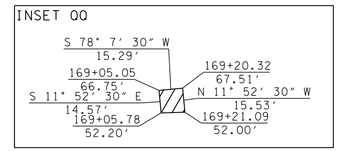
PROPOSED CURVE DATA

FAIRVIEW DRIVE	S.R. 101
PI 31+73.80	PI 178+25.78
N 606,524.8500	N 606,828.9454
E 2,285,004.9700	E 2,285,858.6862
Δ 17° 53′ 09″ (LT)	Δs 17° 20′ 00″ (RT)
D 14° 00′ 00″	θs 3° 22′ 30″
R 409.26	Δc 10° 35′ 00″ (RT)
L 127.76	Dc 3° 00′ 00″
T 64.40	Rc 1,909.86
SE 0.070 FT/FT	Lc 352.78
DESIGN SPEED 30 MPH	Ts 403.77
RUNOFF 91.7′ (30% OUTSIDE, 70% INSIDE)	Ls 225.00
	SE 0.053 FT/FT
	DESIGN SPEED 50 MPH
	TRANS. LENGTH 000









TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	13A
CONST	2015	STP-101(16)	13A

REV. 1-27-11: LABELED SLOPE AND CONST. EASEMENTS.
REV. 5-10-12: CORRECTED LENGTH OF DRAINAGE EASEMENT IN INSET Q. EXTENDED PROP. R.O.W. ON TRACTS 71, 72, 73 AND 140. CORRECTED PROPERTY OWNER NAME FOR TRACT 140.
REV. 6-12-12: MOVED DRIVE FROM STA. 167+44.09 TO STA. 167+53.34. ADDED DRIVE TO STA. 31+79.85.

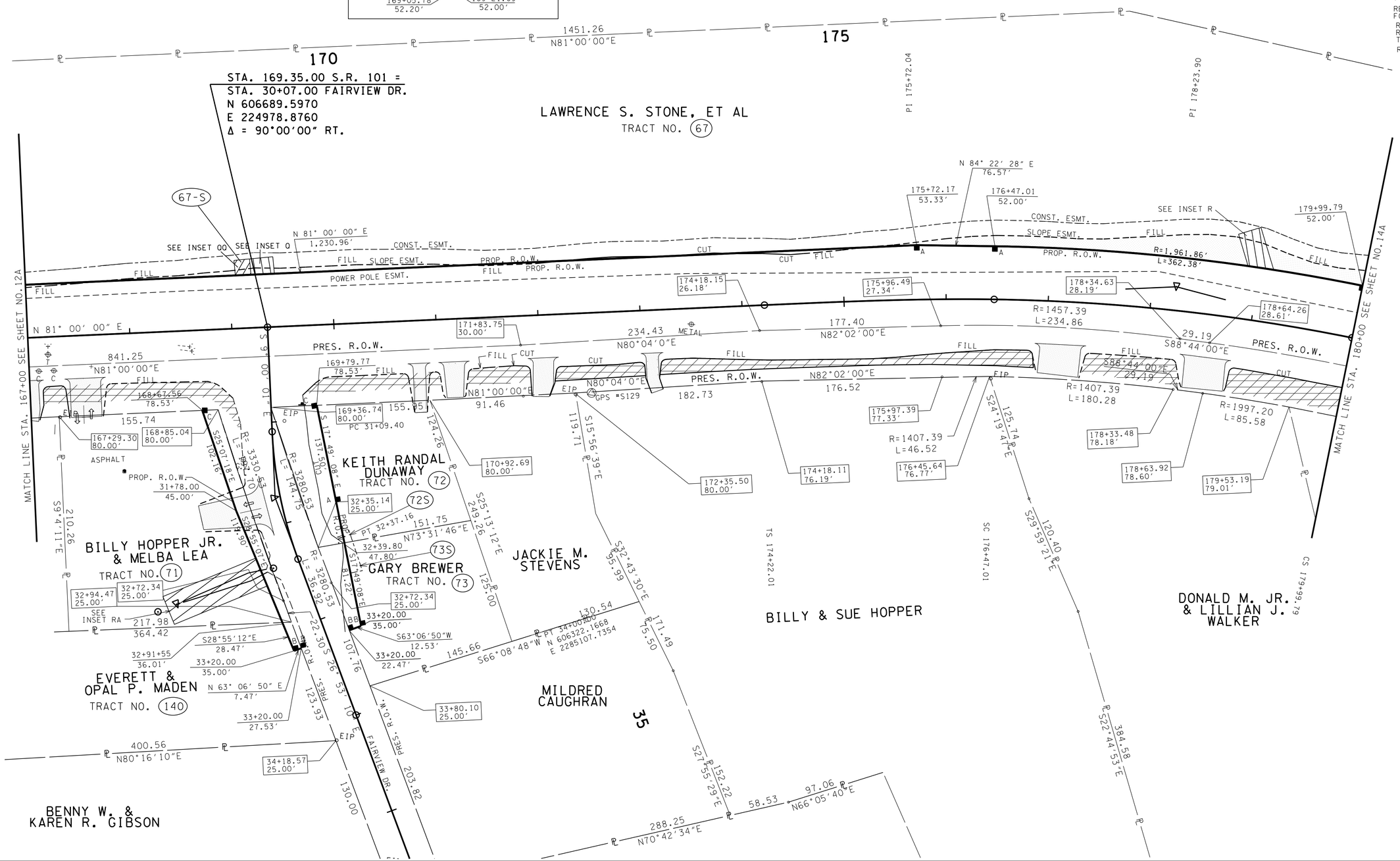
REV. 08-20-12: LABELED ROW FEATURES & SLOPE FEATURES.

REV. 09-24-12: REVISED SPECIAL DITCHES, ADDED DRAIN EASMT, AND ADDED CONST EASMT TO FAIRVIEW DR. ADDED TRACT 72S & 73S.

REV. 11-26-12: ADDED DRAIN EASMT FOR TRACT 67-S

REV. 5-22-13: UPDATE YEAR. REVISE DRIVEWAY RADIUS ON TRACT 72.

REV. 5-29-13: ADDED ROW MARKERS.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 167+00 TO STA. 180+00

SCALE: 1"= 50′

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

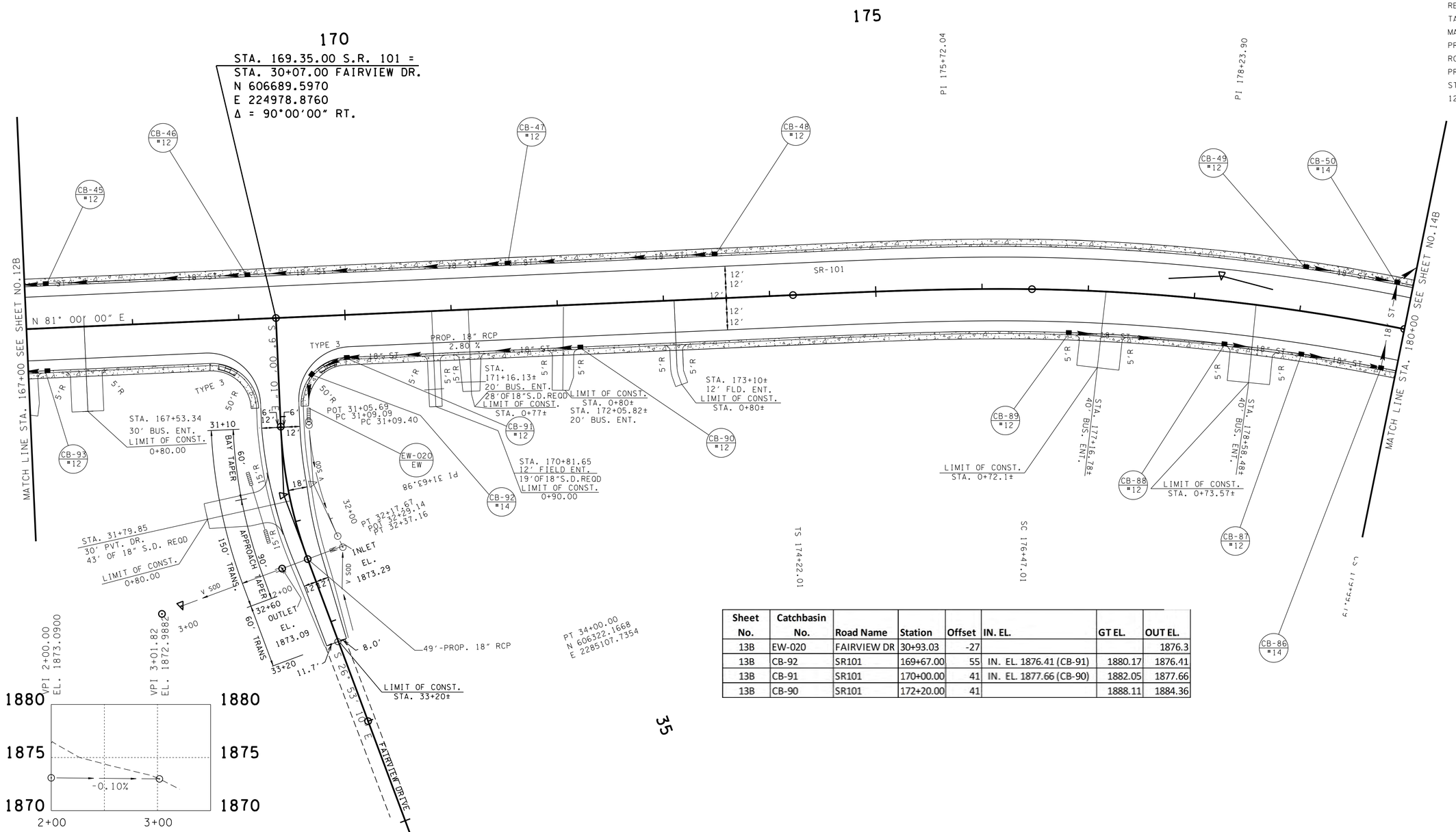
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	13B
CONST.	2015	STP-101(16)	13B

REV. 08-20-12 - ADDED PAVEMENT MARKINGS.
REV. 09-24-12 - REVISED DITCHES, ADDED SPECIAL DITCH, AND ADDED INLET & OUTLET FOR PIPE ON FAIRVIEW DR. ADDED PROP CURVE TEXT.
REV. 11-26-12 - ADDED LABELS AND REVISED STORM SYSTEM.ADDED PROP. S.D.
REV. 12-18-12 - ADDED HANDICAP RAMPS TO SIDE ROADS.
REV. 5-22-13 - ADDED CATCHBASIN TABLE. UPDATE YEAR. REMOVE PVMT MARKINGS. ADDED SPECIAL DITCH PROFILE FOR FAIR VIEW DRIVE. UPDATE ROADSIDE DITCHES. ADDED SPECIAL DITCH PROFILE. REVISE DRIVEWAY RADIUS AT STA.170+81.65 RT. REVISE 10' DRIVEWAY TO 12' DRIVEWAYS PER CONST REQ.

PROPOSED CURVE DATA

FAIRVIEW DRIVE
PI 31+73.80
N 606,524.8500
E 2,285,004.9700
Δ 17° 53' 09" (LT)
D 14° 00' 00"
R 409.26
L 127.76
T 64.40
SE 0.070 FT/FT
DESIGN SPEED 30 MPH
RUNOFF 91.7' (30% OUTSIDE, 70% INSIDE)

S.R. 101
PI 178+25.78
N 606,828.9454
E 2,285,858.6862
Δs 17° 20' 00" (RT)
θs 3° 22' 30"
Δc 10° 35' 00" (RT)
Dc 3° 00' 00"
Rc 1,909.86
Lc 352.78
Ts 403.77
Ls 225.00
SE 0.053 FT/FT
DESIGN SPEED 50 MPH
TRANS. LENGTH 000



Sheet No.	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
13B	EW-020	FAIRVIEW DR	30+93.03	-27			1876.3
13B	CB-92	SR101	169+67.00	55	IN. EL. 1876.41 (CB-91)	1880.17	1876.41
13B	CB-91	SR101	170+00.00	41	IN. EL. 1877.66 (CB-90)	1882.05	1877.66
13B	CB-90	SR101	172+20.00	41		1888.11	1884.36

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 167+00 TO STA. 180+00

SCALE: 1"= 50'

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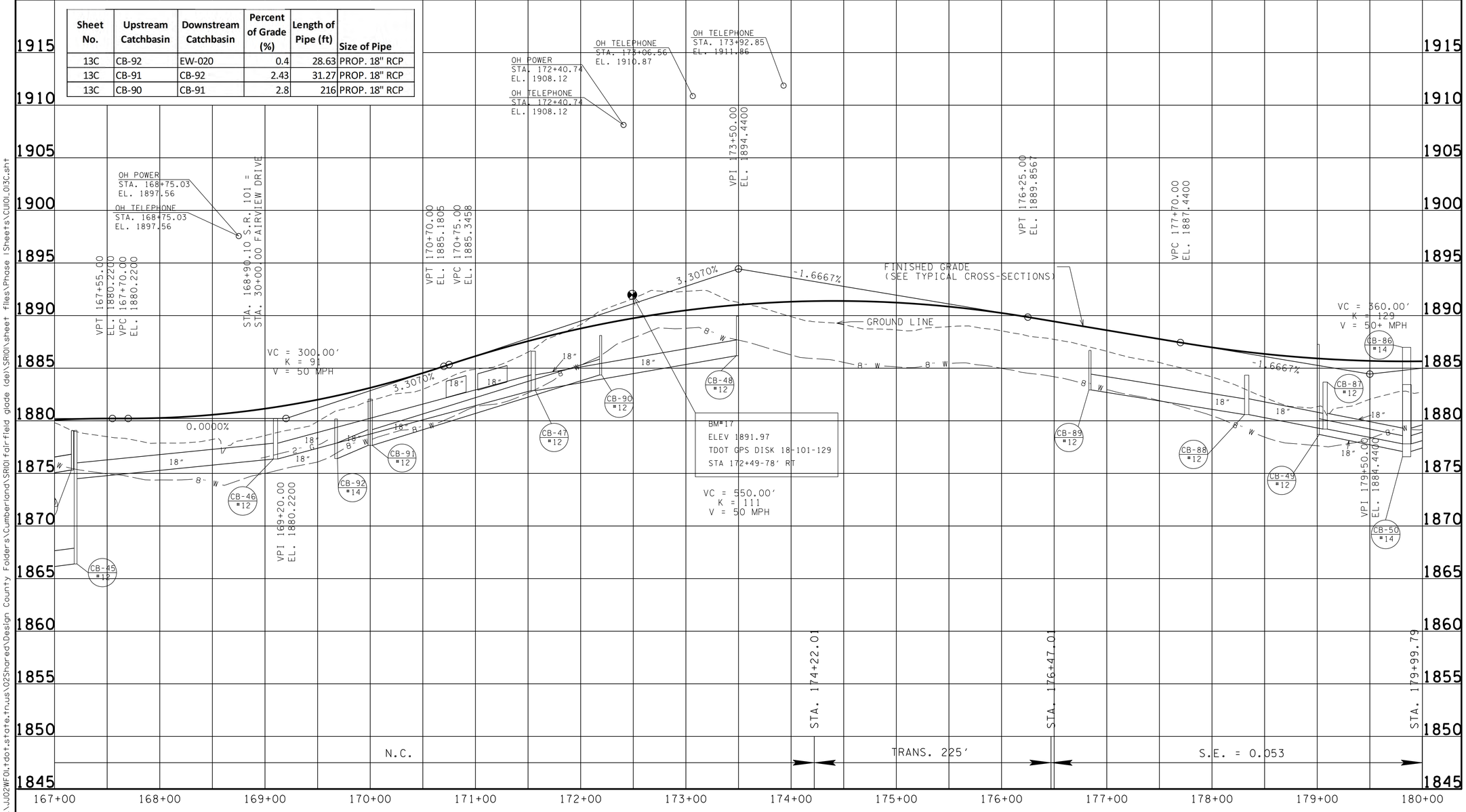
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	13C
CONST	2015	STP-101(16)	13C

REV. 11-26-12-ADDED STORM SYSTEM AND PROP PIPES

REV. 5-22-13-UPDATE YEAR. ADDED PIPE TABLES.

Sheet No.	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
13C	CB-92	EW-020	0.4	28.63	PROP. 18" RCP
13C	CB-91	CB-92	2.43	31.27	PROP. 18" RCP
13C	CB-90	CB-91	2.8	216	PROP. 18" RCP



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 167+00 TO STA. 180+00

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.	2010	STP-101(16)	14
CONST	2015	STP-101(16)	14

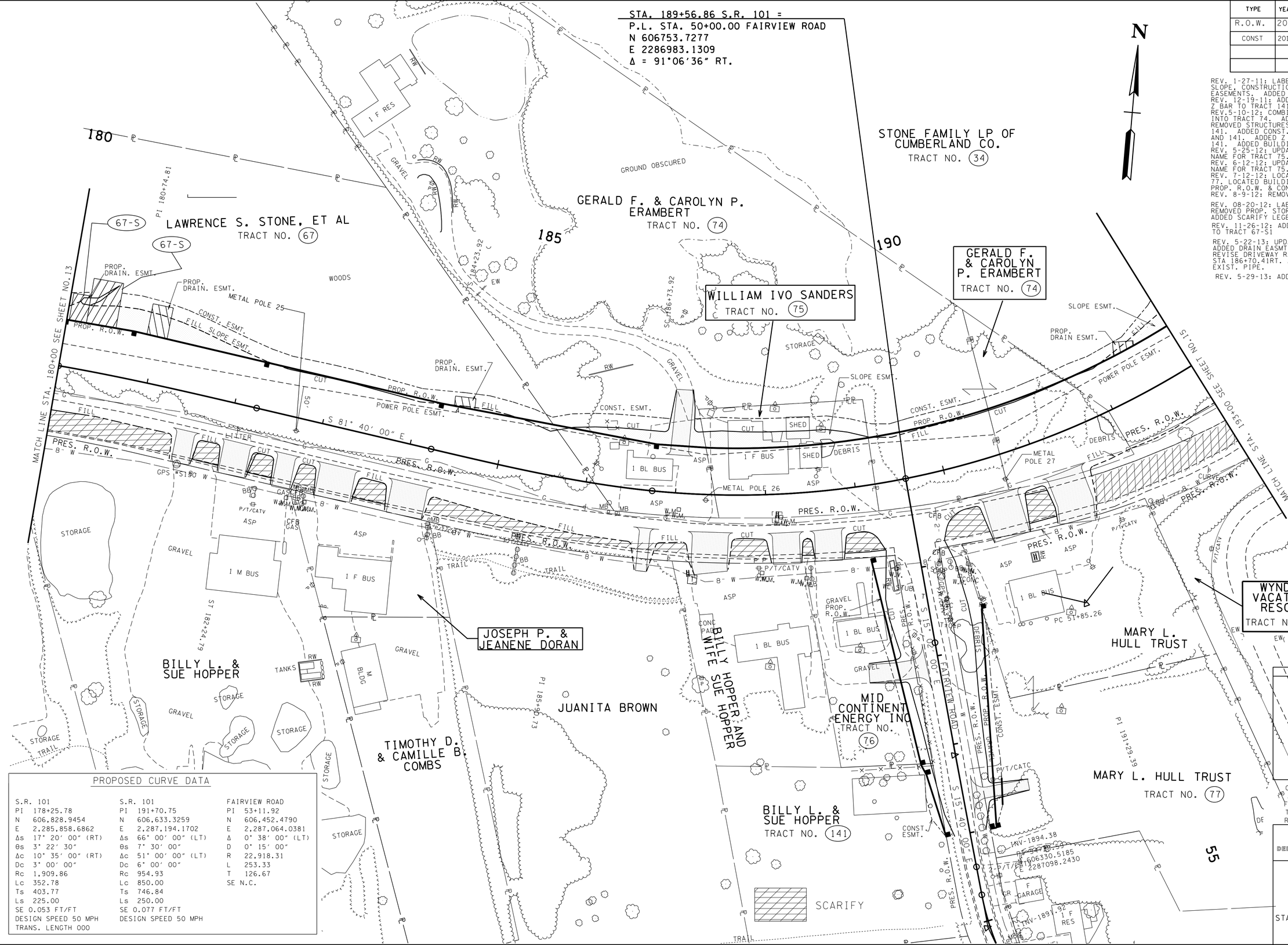
REV. 1-27-11: LABELED PROP. R.O.W., SLOPE, CONSTRUCTION, AND DRAINAGE EASEMENTS. ADDED SLOPE EASEMENT PATTERN.
REV. 12-19-11: ADDED PROPERTY LINE AND Z BAR TO TRACT 141.
REV. 5-10-12: COMBINED TRACT 74 AND 78 INTO TRACT 74. ADDED Z BAR TO TRACT 74. REMOVED STRUCTURES ON TRACTS 74, 77 AND 141. ADDED CONST. ESMT. ON TRACTS 76 AND 141. ADDED Z BAR ON TRACTS 77 AND 141. ADDED BUILDING TO TRACT 141.
REV. 5-25-12: UPDATED PROPERTY OWNER NAME FOR TRACT 75.
REV. 6-12-12: UPDATED PROPERTY OWNER NAME FOR TRACT 75.
REV. 7-12-12: LOCATED UTILITES ON TRACT 77. LOCATED BUILDING ON TRACT 74. UPDATED PROP. R.O.W. & CONST. ESMT. FOR TRACT 141.
REV. 8-9-12: REMOVED "Z" BAR FROM TRACT 141.

REV. 08-20-12: LABELED ROW FEATURES. REMOVED PROP. STORM DRAIN SYSTEM. ADDED SCARIFY LEGEND.

REV. 11-26-12: ADDED DRAIN EASMT TO TRACT 67-S1

REV. 5-22-13: UPDATE YEAR. ADDED DRAIN EASMT TO TRACT 67-S. REVISE DRIVEWAY RADIUS AT STA 186+70.41RT. ADDED INFO FOR EXIST. PIPE.

REV. 5-29-13: ADDED ROW MARKERS.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 180+00 TO STA. 193+00

SCALE: 1"= 50'

55

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	14A
CONST	2015	STP-101(16)	14A

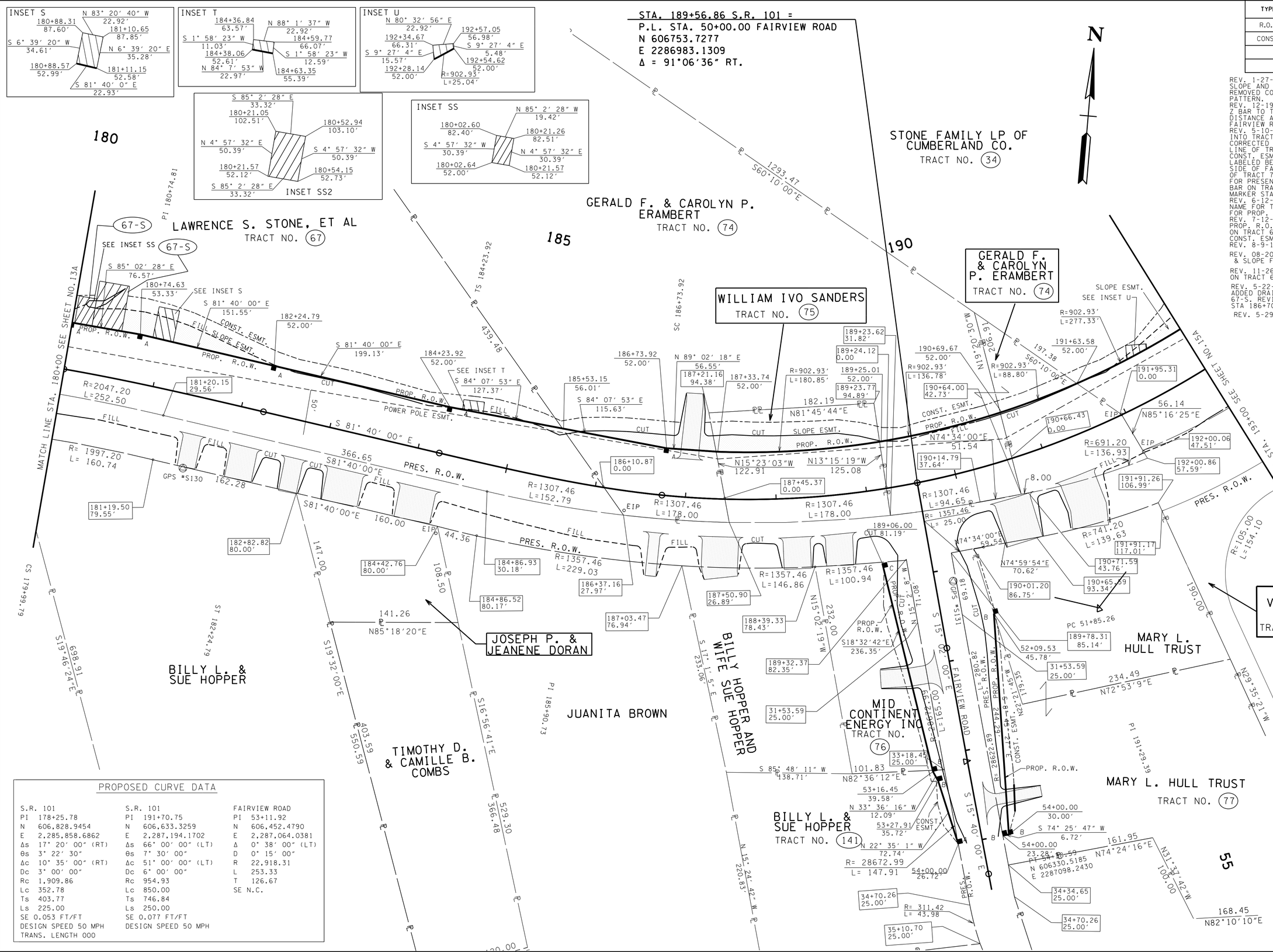
REV. 1-27-11: LABELED PROPOSED R.O.W., SLOPE AND CONSTRUCTION EASEMENTS. REMOVED CONSTRUCTION EASEMENT PATTERN.
REV. 12-19-11: ADDED PROPERTY LINE AND Z BAR TO TRACT 141. CORRECTED BEARING/ DISTANCE AND STATION/OFFSET LABELS FOR FAIRVIEW ROAD, STA. 54+00.00.
REV. 5-10-12: COMBINED TRACT 74 AND 78 INTO TRACT 74. ADDED Z BAR TO TRACT 74. CORRECTED BEARING ON EASTERN PROPERTY LINE OF TRACT 75, STA. 191+25. ADDED CONST. ESMT. ON TRACTS 76 AND 141. LABELED BEARING ON PRES. R.O.W. ON RIGHT SIDE OF FAIRVIEW RD. AND ON NORTH SIDE OF TRACT 77. CORRECTED RADIUS LENGTH FOR PRESENT R.O.W., TRACT 141. ADDED Z BAR ON TRACTS 77 AND 141. ADDED R.O.W. MARKER STA. 189+06.
REV. 6-12-12: UPDATED PROPERTY OWNER NAME FOR TRACT 75. CORRECTED DISTANCE FOR PROP. R.O.W. IN INSET T.
REV. 7-12-12: CORRECTED DISTANCE FOR PROP. R.O.W. IN INSET T. LOCATED SIGN ON TRACT 67. UPDATED PROP. R.O.W. AND CONST. ESMT. FOR TRACT 141.
REV. 8-9-12: REMOVED "Z" BAR FROM TRACT 141.

REV. 08-20-12: LABELED R.O.W. FEATURE & SLOPE FEATURES.

REV. 11-26-12: ADDED DRAIN EASMT ON TRACT 67-S1.

REV. 5-22-13: UPDATE YEAR. ADDED DRAIN EASMT FOR TRACT 67-S. REVISE DRIVEWAY RADIUS AT STA 186+70.41.

REV. 5-29-13: ADDED ROW MARKERS



PROPOSED CURVE DATA

S.R. 101	S.R. 101	FAIRVIEW ROAD
PI 178+25.78	PI 191+70.75	PI 53+11.92
N 606,828.9454	N 606,633.3259	N 606,452.4790
E 2,285,858.6862	E 2,287,194.1702	E 2,287,064.0381
Δs 17° 20' 00" (RT)	Δs 66° 00' 00" (LT)	Δ 0° 38' 00" (LT)
θs 3° 22' 30"	θs 7° 30' 00"	D 0° 15' 00"
Δc 10° 35' 00" (RT)	Δc 51° 00' 00" (LT)	R 22,918.31
Dc 3° 00' 00"	Dc 6° 00' 00"	L 253.33
Rc 1,909.86	Rc 954.93	T 126.67
Lc 352.78	Lc 850.00	SE N.C.
Ts 403.77	Ts 746.84	
Ls 225.00	Ls 250.00	
SE 0.053 FT/FT	SE 0.077 FT/FT	
DESIGN SPEED 50 MPH	DESIGN SPEED 50 MPH	
TRANS. LENGTH 000		

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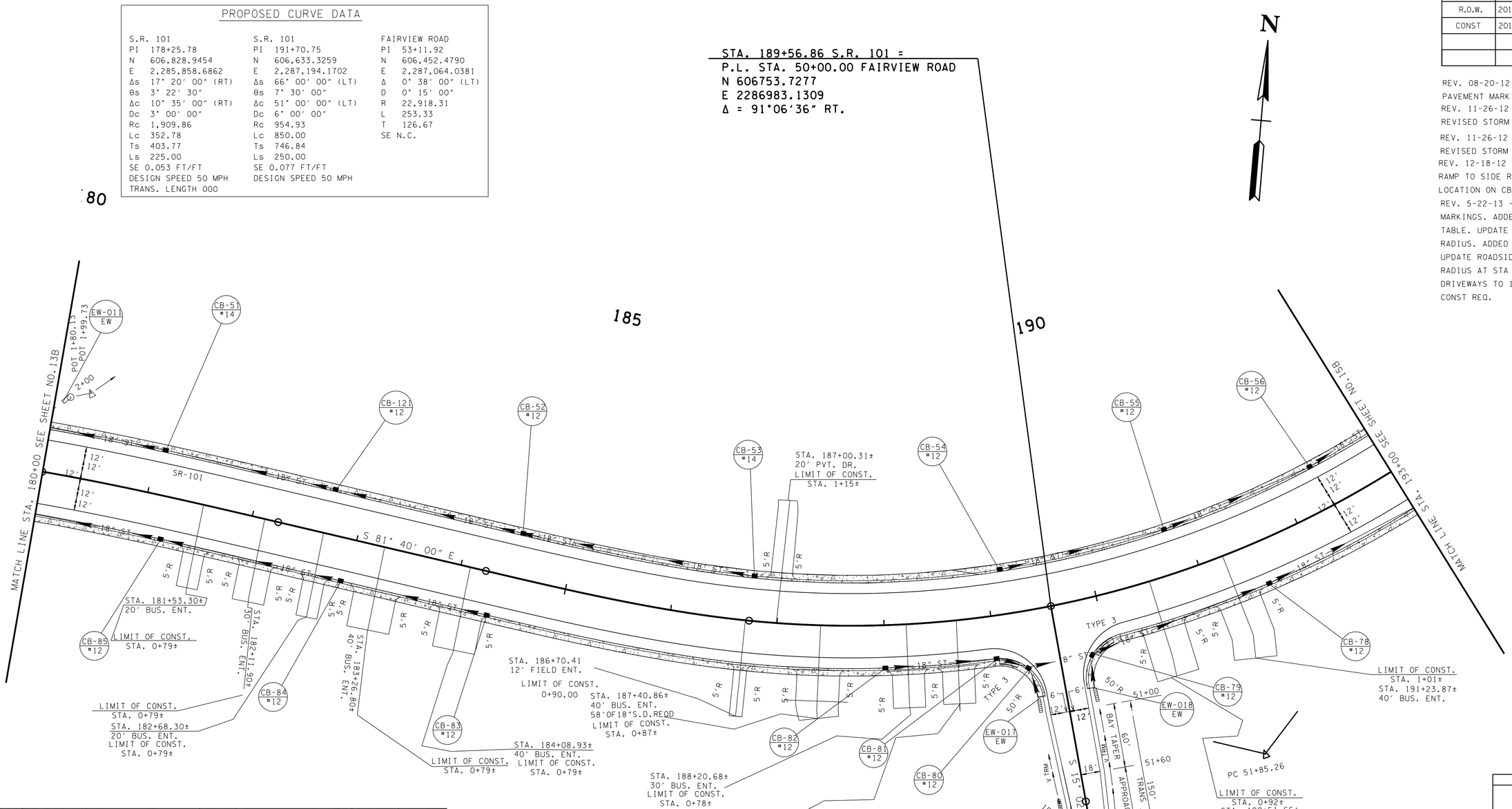
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	14B
CONST	2015	STP-101(16)	14B

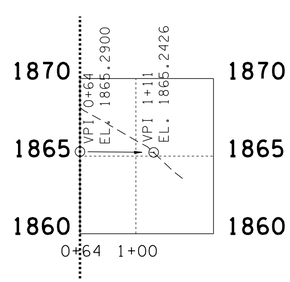
REV. 08-20-12 - ADDED PAVEMENT MARKINGS.
REV. 11-26-12 - ADDED LABELS AND REVISED STORM SYSTEM. ADDED PROP. S.D.
REV. 11-26-12 - ADDED LABELS AND REVISED STORM SYSTEM. ADDED PROP. S.D.
REV. 12-18-12 - ADDED HANDICAP RAMP TO SIDE ROADS. ADJUSTED LOCATION ON CB-79 & CB-80.
REV. 5-22-13 - REMOVED PVMT MARKINGS. ADDED CATCHBASIN TABLE. UPDATE YEAR. ADDED DRIVEWAY RADIUS. ADDED SPECIAL DITCH PROFILE. UPDATE ROADSIDE DITCHES. REVISE DRIVEWAY RADIUS AT STA 186+70.41. REVISE 10' DRIVEWAYS TO 12' DRIVEWAYS PER CONST REQ.

PROPOSED CURVE DATA

S.R. 101	S.R. 101	FAIRVIEW ROAD
PI 178+25.78	PI 191+70.75	PI 53+11.92
N 606,828.9454	N 606,633.3259	N 606,452.4790
E 2,285,858.6862	E 2,287,194.1702	E 2,287,064.0381
Δs 17° 20′ 00″ (RT)	Δs 66° 00′ 00″ (LT)	Δ 0° 38′ 00″ (LT)
θs 3° 22′ 30″	θs 7° 30′ 00″	D 0° 15′ 00″
Δc 10° 35′ 00″ (RT)	Δc 51° 00′ 00″ (LT)	R 22,918.31
Dc 3° 00′ 00″	Dc 6° 00′ 00″	L 253.33
Rc 1,909.86	Rc 954.93	T 126.67
Lc 352.78	Lc 850.00	SE N.C.
Ts 403.77	Ts 746.84	
Ls 225.00	Ls 250.00	
SE 0.053 FT/FT	SE 0.077 FT/FT	
DESIGN SPEED 50 MPH	DESIGN SPEED 50 MPH	
TRANS. LENGTH 000		



Sheet No.	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
14B	EW-011	SR101	180+07.30	-67.31			1876.45
13B	CB-50	SR101	179+85.00	-41	IN. EL. 1877.08 (CB-86) IN. EL. 1877.08 (CB-49) IN. EL. 1877.08 (CB-51)	1886.98	1876.58
13B	CB-49	SR101	179+00.00	-41		1887.26	1878.7
14B	CB-51	SR101	181+08.00	-41	IN. EL. 1880.60 (CB-121)	1886.29	1880.6
13B	CB-86	SR101	179+85.26	41	IN. EL. 1877.81 (CB-85) IN. EL. 1877.81 (CB-87)	1883.44	1877.81
14B	CB-121	SR101	182+70.00	-41	IN. EL. 1882.35 (CB-52)	1886.95	1882.35
14B	CB-85	SR101	181+21.00	41	IN. EL. 1881.53 (CB-84)	1885.28	1881.53
13B	CB-87	SR101	179+07.53	41	IN. EL. 1879.21 (CB-88)	1883.68	1879.21
14B	CB-52	SR101	184+50.00	-41	IN. EL. 1883.05 (CB-53)	1888.97	1883.05
14B	CB-84	SR101	182+94.00	41	IN. EL. 1883.47 (CB-83)	1887.22	1883.47
13B	CB-88	SR101	178+33.00	41	IN. EL. 1880.59 (CB-89)	1884.34	1880.59
14B	CB-53	SR101	186+75.00	-41		1888.94	1885.19
14B	CB-83	SR101	184+34.00	41		1888.91	1885.16
13B	CB-89	SR101	176+83.00	41		1886.69	1882.94



SPECIAL DITCH PROFILE
FOR EW-011

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 180+00 TO STA. 193+00

SCALE: 1"= 50'

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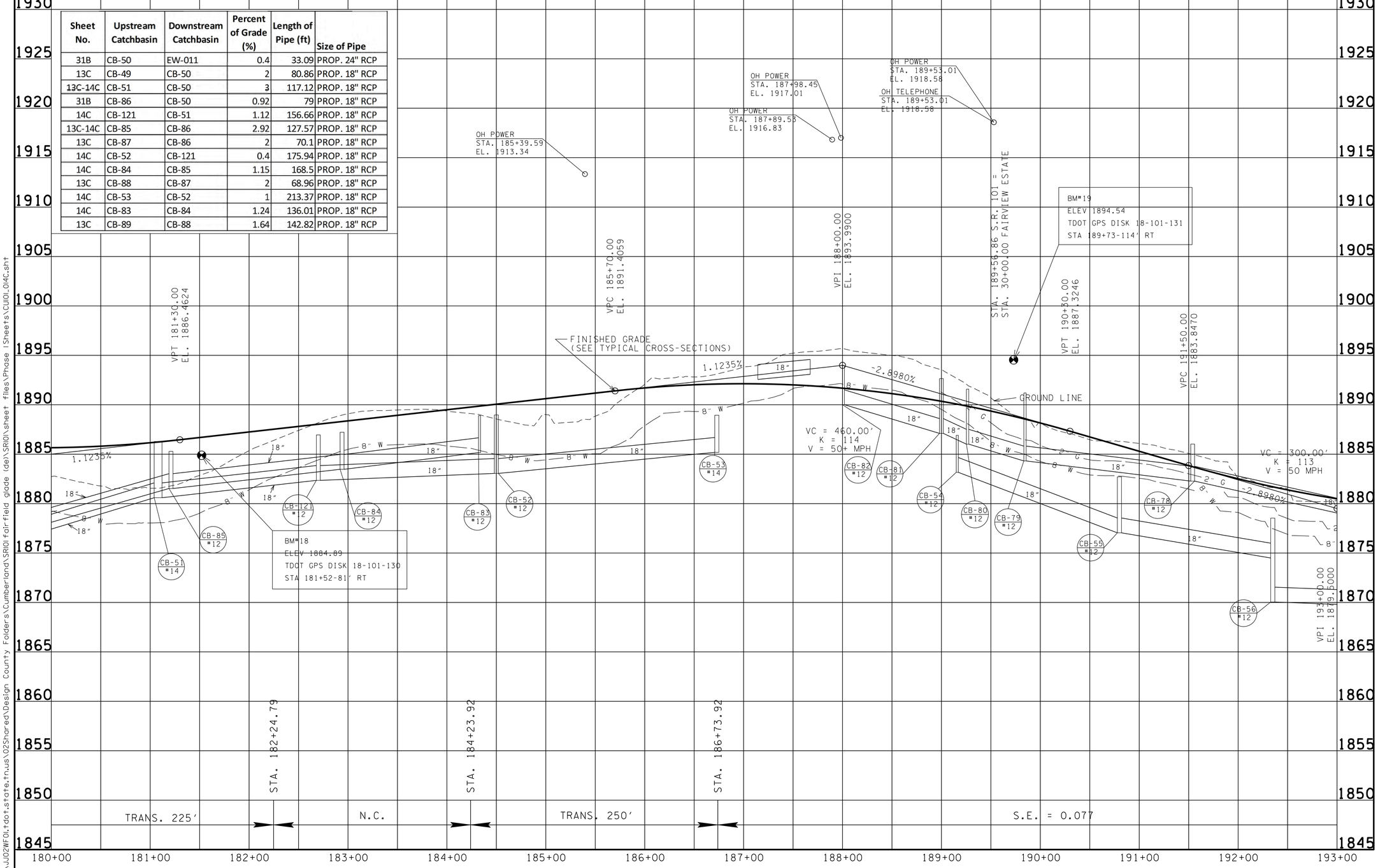
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	14C
CONST	2015	STP-101(16)	14C

REV.11-26-12- ADDED STORM SYSTEM AND PROP PIPES
REV.12-18-12- ADJUSTED LOCATION OF CB-79 & CB-80.
REV.5-22-13- UPDATE YEAR.
ADDED PIPE TABLE.

Sheet No.	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
31B	CB-50	EW-011	0.4	33.09	PROP. 24" RCP
13C	CB-49	CB-50	2	80.86	PROP. 18" RCP
13C-14C	CB-51	CB-50	3	117.12	PROP. 18" RCP
31B	CB-86	CB-50	0.92	79	PROP. 18" RCP
14C	CB-121	CB-51	1.12	156.66	PROP. 18" RCP
13C-14C	CB-85	CB-86	2.92	127.57	PROP. 18" RCP
13C	CB-87	CB-86	2	70.1	PROP. 18" RCP
14C	CB-52	CB-121	0.4	175.94	PROP. 18" RCP
14C	CB-84	CB-85	1.15	168.5	PROP. 18" RCP
13C	CB-88	CB-87	2	68.96	PROP. 18" RCP
14C	CB-53	CB-52	1	213.37	PROP. 18" RCP
14C	CB-83	CB-84	1.24	136.01	PROP. 18" RCP
13C	CB-89	CB-88	1.64	142.82	PROP. 18" RCP



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 180+00 TO STA. 193+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

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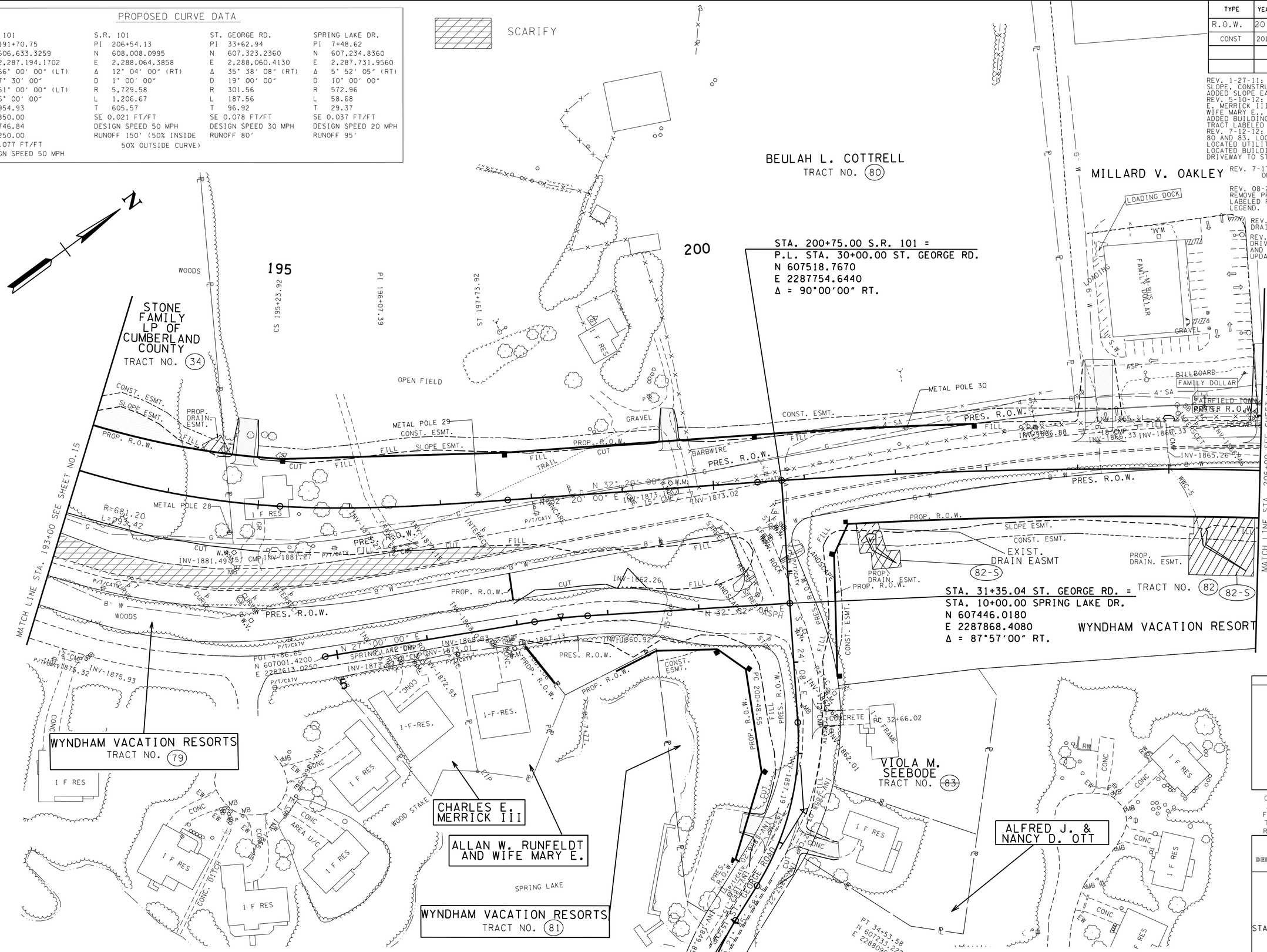
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	15
CONST	2015	STP-101(16)	15

REV. 1-27-11: LABELED POPOSED R.O.W., SLOPE, CONSTRUCTION, AND DRN. ESMT. ADDED SLOPE EASEMENT PATTERN.
REV. 5-10-12: ADDED TRACTS FOR CHARLES E. MERRICK III, ALLAN W. RUNFELDT AND WIFE MARY E., AND MILLARD V. OAKLEY. ADDED BUILDING AND PARKING LOT ON TRACT LABELED MILLARD V. OADLEY.
REV. 7-12-12: LOCATED DRIVE ON TRACTS 80 AND 83. LOCATED SIGNS ON TRACT 80. LOCATED UTILITIES ON TRACTS 80 AND 83. LOCATED BUILDING ON TRACT 83. ADDED DRIVEWAY TO STATION 204+23.39.
REV. 7-17-12: REMOVED DRAIN. EASMT ON TRACT 79
REV. 08-20-12: ADDED WWC-5. REMOVE PROP.STORM DRAIN SYSTEM. LABELED ROW FEATURES. ADDED SCARIFY LEGEND.
REV. 11-26-12: ADDED PROP DRAIN EASMT TO TRACT 82-S,82-S1
REV. 5-22-13: ADDED PROP DRIVEWAY AT STA. 206+15.25 AND STA.32+63.98(ST.GEORGE RD). UPDATED YEAR. ADDED DRAIN EASMT TO TRACT 82-S. ADDED INFO FOR EXIST. PIPE.
REV. 5-29-13: ADDED ROW MARKERS.
REV. 7-09-13: REVISE PROPERTY OWNER ON TRACT 82.

PROPOSED CURVE DATA

S.R. 101	S.R. 101	ST. GEORGE RD.	SPRING LAKE DR.
PI 191+70.75	PI 206+54.13	PI 33+62.94	PI 7+48.62
N 606,633.3259	N 608,008.0995	N 607,323.2360	N 607,234.8360
E 2,287,194.1702	E 2,288,064.3858	E 2,288,060.4130	E 2,287,731.9560
Δs 66° 00′ 00″ (LT)	Δ 12° 04′ 00″ (RT)	Δ 35° 38′ 08″ (RT)	Δ 5° 52′ 05″ (RT)
θs 7° 30′ 00″	D 1° 00′ 00″	D 19° 00′ 00″	D 10° 00′ 00″
Δc 51° 00′ 00″ (LT)	R 5,729.58	R 301.56	R 572.96
Dc 6° 00′ 00″	L 1,206.67	L 187.56	L 58.68
Rc 954.93	T 605.57	T 96.92	T 29.37
Lc 850.00	SE 0.021 FT/FT	SE 0.078 FT/FT	SE 0.037 FT/FT
Ts 746.84	DESIGN SPEED 50 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 20 MPH
Ls 250.00	RUNOFF 150′ (50% INSIDE 50% OUTSIDE CURVE)	RUNOFF 80′	RUNOFF 95′
SE 0.077 FT/FT			
DESIGN SPEED 50 MPH			



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 193+00 TO STA. 206+00

SCALE: 1"= 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	15A
CONST	2015	STP-101(16)	15A

REV. 1-27-11: LABELED PROP. R.O.W., SLOPE AND CONSTRUCTION EASEMENTS. REMOVED CONSTRUCTION EASEMENT PATTERN.
REV. 5-10-12: CORRECTED RADIUS/LENGTH FLAGS ALONG PRES. R.O.W. FOR DRAIN. ESMT. IN INSET V. CORRECTED LENGTH OF DRAIN. ESMT. IN INSET X. CORRECTED STA./OFFSET FLAGS ALONG PRES. R.O.W. ALONG SPRING LAKE DR. CORRECTED RADIUS/LENGTH FLAGS FOR PRES. AND PROP. R.O.W. ON TRACT 80. ADDED R.O.W. MARKER. STA. 202+87. ADDED TRACTS FOR CHARLES E. MERRICK III. ALLAN W. RUNFELDT AND WIFE MARY E., AND MILLARD V. OAKLEY.
REV. 6-12-12: UPDATED DRN. ESMT. AREA LABELS IN INSET V.
REV. 7-12-12: ADDED DRIVE STA. 204+23.39

REV. 7-17-12: REMOVED DRAIN. EASMT ON TRACT 79

REV. 08-20-12: LABELED ROW FEATURES & SLOPE FEATURES.
REV. 11-26-12: ADDED DRAIN EASMT TO TRACT 82-S,82-S1

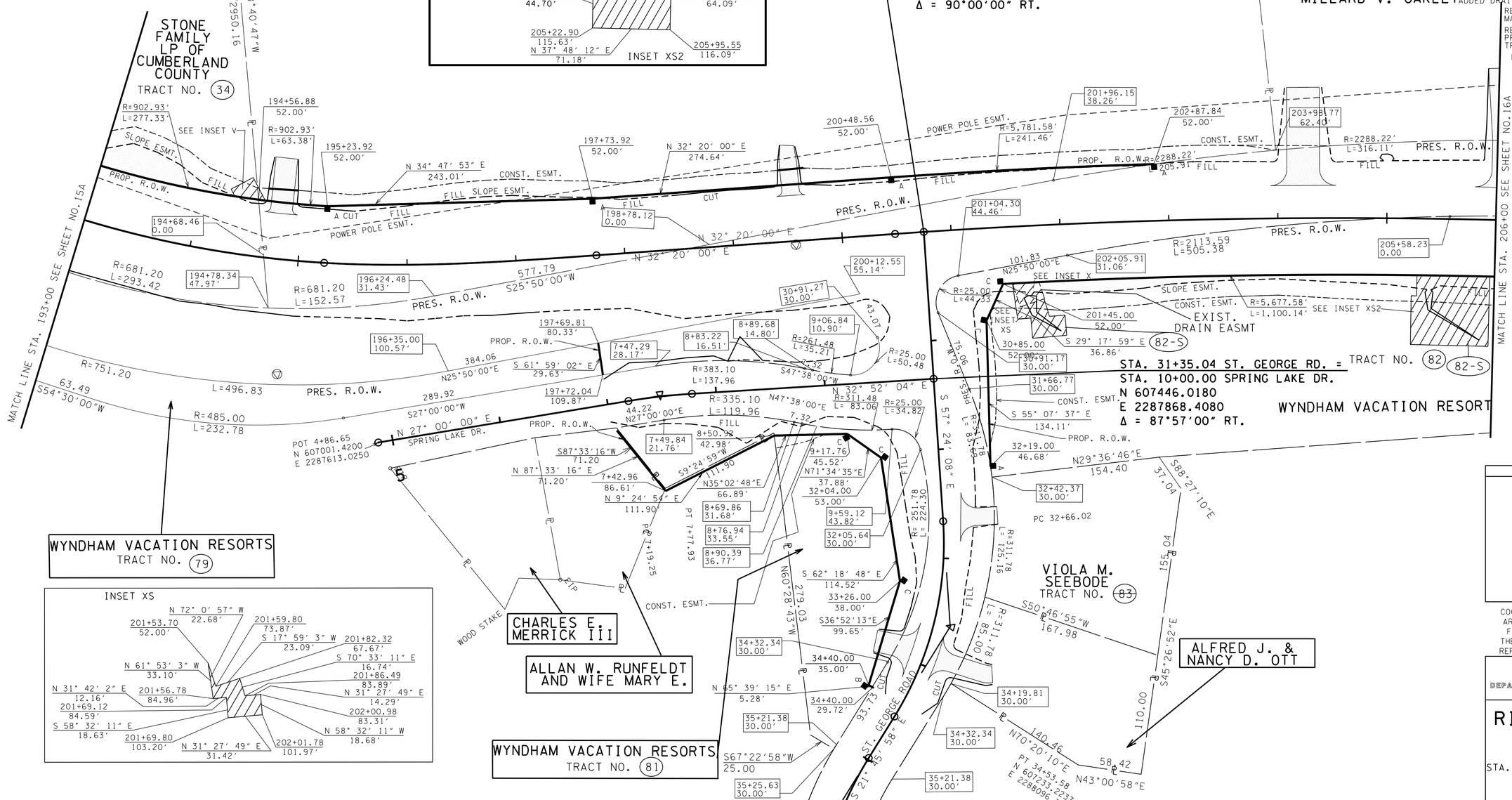
REV. 5-22-13: ADDED PROP DRIVEWAY AT STA. 206+15.25 AND STA. 32+63.98(ST.GEORGE RD). UPDATED YEAR. MOVED BLOCK INSET X. ADDED NE AND STA. LOCATION AT ST GEORGE AND SPRING LAK ADDED DRAIN EASMT TO TRACT 82-S.
REV. 5-29-13: ADDED ROW MARKERS.

REV. 7-09-13: REVISE PROPERTY OWNER ON TRACT 82.

REV. 7-10-15: REVISED INSET XS2 PER ROW REQ.

PROPOSED CURVE DATA

S.R. 101	S.R. 101	ST. GEORGE RD.	SPRING LAKE DR.
PI 191+70.75	PI 206+54.13	PI 33+62.94	PI 7+48.62
N 606,633.3259	N 608,008.0995	N 607,323.2360	N 607,234.8360
E 2,287,194.1702	E 2,288,064.3858	E 2,288,060.4130	E 2,287,731.9560
Δs 66° 00′ 00″ (LT)	Δ 12° 04′ 00″ (RT)	Δ 35° 38′ 08″ (RT)	Δ 5° 52′ 05″ (RT)
θs 7° 30′ 00″	D 1° 00′ 00″	D 19° 00′ 00″	D 10° 00′ 00″
Δc 51° 00′ 00″ (LT)	R 5,729.58	R 301.56	R 572.96
Dc 6° 00′ 00″	L 1,206.67	L 187.56	L 58.68
Rc 954.93	T 605.57	T 96.92	T 29.37
Lc 850.00	SE 0.021 FT/FT	SE 0.078 FT/FT	SE 0.037 FT/FT
Ts 746.84	DESIGN SPEED 50 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 20 MPH
Ls 250.00	RUNOFF 150′ (50% INSIDE 50% OUTSIDE CURVE)	RUNOFF 80′	RUNOFF 95′
SE 0.077 FT/FT			
DESIGN SPEED 50 MPH			



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 193+00 TO STA. 206+00

SCALE: 1"= 50'

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

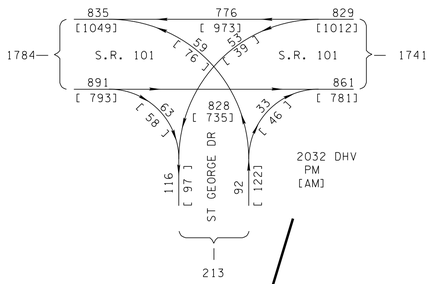
PROPOSED CURVE DATA

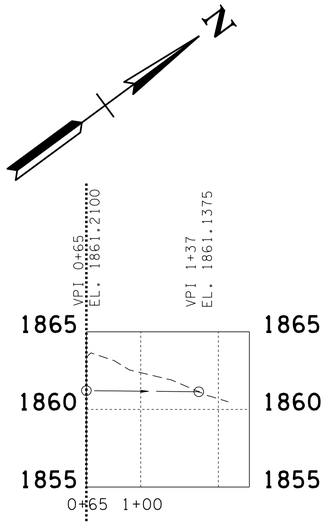
S.R. 101	S.R. 101	ST. GEORGE RD.	SPRING LAKE DR.
PI 191+70.75	PI 206+54.13	PI 33+62.94	PI 7+48.62
N 606,633.3259	N 608,008.0995	N 607,323.2360	N 607,234.8360
E 2,287,194.1702	E 2,288,064.3858	E 2,288,060.4130	E 2,287,731.9560
Δs 66° 00′ 00″ (LT)	Δ 12° 04′ 00″ (RT)	Δ 35° 38′ 08″ (RT)	Δ 5° 52′ 05″ (RT)
θs 7° 30′ 00″	D 1° 00′ 00″	D 19° 00′ 00″	D 10° 00′ 00″
Δc 51° 00′ 00″ (LT)	R 5,729.58	R 301.56	R 572.96
Dc 6° 00′ 00″	L 1,206.67	L 187.56	L 58.68
Rc 954.93	T 605.57	T 96.92	T 29.37
Lc 850.00	SE 0.021 FT/FT	SE 0.078 FT/FT	SE 0.037 FT/FT
Ts 746.84	DESIGN SPEED 50 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 20 MPH
Ls 250.00	RUNOFF 150′ (50% INSIDE	RUNOFF 80′	RUNOFF 95′
SE 0.077 FT/FT	50% OUTSIDE CURVE)		
DESIGN SPEED 50 MPH			

Sheet No.	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
15B	EW-013	SR101	205+40.00	56.58			1861.21
15B	CB-71	SR101	205+41.00	41	IN. EL. 1861.77 (CB-61)	1867.05	1861.27
15B	CB-61	SR101	205+40.00	-41	IN. EL. 1862.08 (CB-123)	1868.31	1862.08
15B	CB-123	SR101	205+00.00	-41	IN. EL. 1862.72 (CB-128) IN. EL. 1862.22 (CB-60)	1868.39	1862.22
15B	CB-128	SR101	205+00.00	-55		1866.58	1863.74
15B	CB-60	SR101	202+30.00	-41	IN. EL. 1863.29 (CB-59)	1872.31	1863.29
15B	CB-59	SR101	199+40.00	-41	IN. EL. 1869.85 (CB-122)	1875.67	1864.45
15B	CB-122	SR101	197+40.00	-41	IN. EL. 1866.91 (CB-58)	1877.26	1866.91
15B	CB-58	SR101	195+20.00	-41	IN. EL. 1869.00 (CB-57)	1875.78	1869
15B	CB-57	SR101	194+55.00	-41	IN. EL. 1869.22 (CB-56)	1875.94	1869.22
14B	CB-56	SR101	192+35.00	-41	IN. EL. 1874.50 (CB-55)	1878.54	1870.05
14B	CB-55	SR101	190+80.00	-41	IN. EL. 1877.04 (CB-54)	1882.71	1877.04
14B	CB-54	SR101	189+15.00	-41		1886.91	1883.16

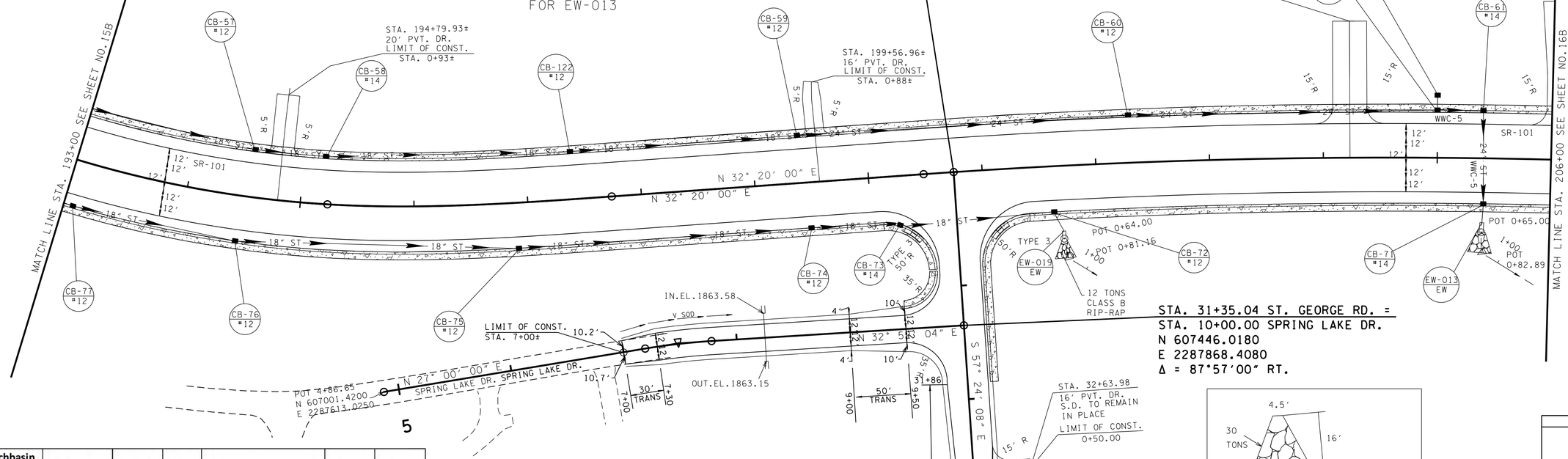
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	15B
CONST	2015	STP-101(16)	15B

REV. 7-12-12: ADDED DRIVE STA. 204+23.39.
REV. 08-20-12: ADDED WWC-5.
ADDED PAVEMENT MARKINGS.
REV. 11-26-12: ADDED LABELS AND
REVISED STORM SYSTEM.ADDED PROP
S.D. ADDED RIP RAP DETAIL.
REV. 12-18-12: ADDED HANDICAP RAMPS
TO SIDE ROADS.
REV. 5-22-13: ADDED PROP. DRIVEWAY
AT STA. 206+15.25 AND
STA 32+63.98(ST. GEORGE RD).
REMOVE PVMT MARKINGS.
ADDED INTERSECTION NE AT ST GEORGE AND
SPRING LAKE. UPDATED YEAR. REVISED LIMITS
OF CONST ON PVT DR ON ST GEORGE RD. ADDED
STORM TABLES.ADDED DRIVEWAY RADIUS.
REVISED LIMITS OF CONST ON PROP. DRIVEWAYS
ON ST.GEORGE RD. ADDED SPECIAL DITCH PROFILES.
REVISED RIP RAP DETAIL.
UPDATE ROADSIDE DITCHES.
REV. 5-29-13: ADDED
TRANSITION TO ST GEORGE RD.

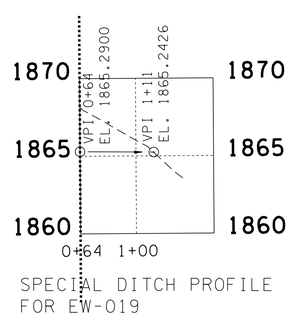




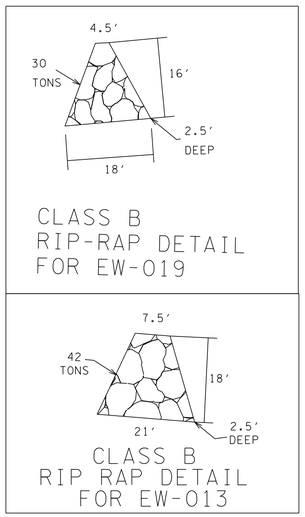
SPECIAL DITCH PROFILE
FOR EW-013



Sheet No.	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
15B	EW-019	SR101	201+69.21	57.34			1865.29
15B	CB-72	SR101	201+61.47	41	IN. EL. 1865.82 (CB-73)	1872.26	1865.82
15B	CB-73	SR101	200+24.64	44	IN. EL. 1870.69 (CB-74)	1874.45	1867.12
15B	CB-74	SR101	199+47.00	41	IN. EL. 1871.84 (CB-75)	1875.59	1871.84
15B	CB-75	SR101	196+90.00	41	IN. EL. 1874.65 (CB-76)	1878.4	1874.65
15B	CB-76	SR101	194+48.00	41	IN. EL. 1877.67 (CB-77)	1881.42	1877.67
15B	CB-77	SR101	193+08.00	41	IN. EL. 1878.91 (CB-78)	1882.66	1878.91
14B	CB-78	SR101	191+54.00	41	IN. EL. 1882.28 (CB-79)	1886.03	1882.28
14B	CB-79	SR101	189+85.00	53.5	IN. EL. 1884.32 (CB-80) IN. EL. 1884.32 (EW-018)	1891.2	1884.32
14B	EW-018	SR101	189+79.16	83	1887.22		
14B	CB-80	SR101	189+26.00	54	IN. EL. 1886.02 (CB-81) IN. EL. 1886.02 (EW-017)	1891.58	1886.02
14B	EW-017	SR101	189+31.25	83.33	1886.3		
14B	CB-81	SR101	189+00.00	41	IN. EL. 1887.10 (CB-82)	1892.65	1887.1
14B	CB-82	SR101	188+00.00	41		1893.97	1890.01



SPECIAL DITCH PROFILE
FOR EW-019



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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 193+00 TO STA. 206+00

SCALE: 1"= 50'

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

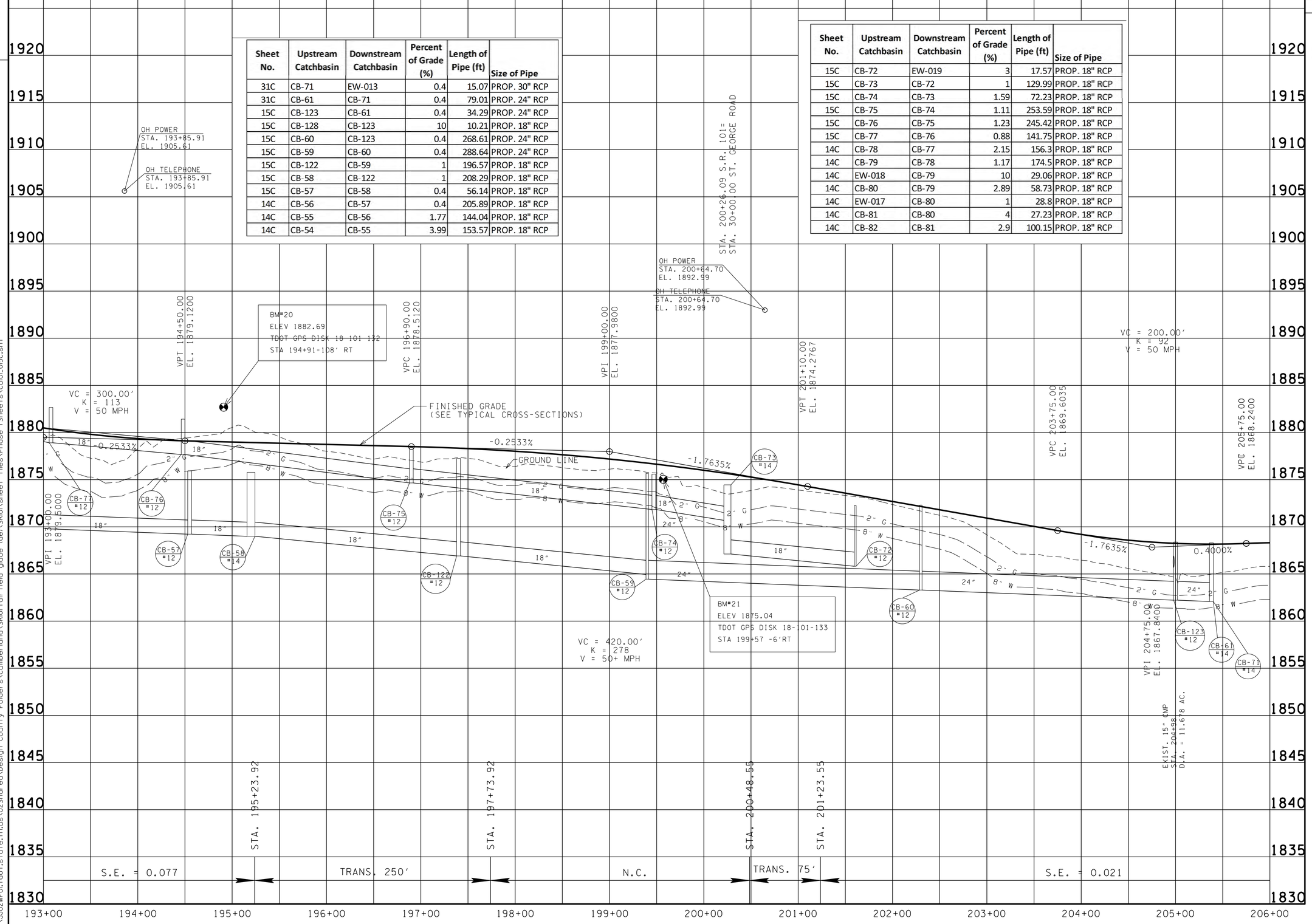
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	15C
CONST	2015	STP-101(16)	15C

REV.11-26-12- ADDED STORM SYSTEM AND PROP PIPES

REV.5-22-13- ADDED STORM TABLES AND REVISED PIPES. UPDATE YEAR.

Sheet No.	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
31C	CB-71	EW-013	0.4	15.07	PROP. 30" RCP
31C	CB-61	CB-71	0.4	79.01	PROP. 24" RCP
15C	CB-123	CB-61	0.4	34.29	PROP. 24" RCP
15C	CB-128	CB-123	10	10.21	PROP. 18" RCP
15C	CB-60	CB-123	0.4	268.61	PROP. 24" RCP
15C	CB-59	CB-60	0.4	288.64	PROP. 24" RCP
15C	CB-122	CB-59	1	196.57	PROP. 18" RCP
15C	CB-58	CB-122	1	208.29	PROP. 18" RCP
15C	CB-57	CB-58	0.4	56.14	PROP. 18" RCP
14C	CB-56	CB-57	0.4	205.89	PROP. 18" RCP
14C	CB-55	CB-56	1.77	144.04	PROP. 18" RCP
14C	CB-54	CB-55	3.99	153.57	PROP. 18" RCP

Sheet No.	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
15C	CB-72	EW-019	3	17.57	PROP. 18" RCP
15C	CB-73	CB-72	1	129.99	PROP. 18" RCP
15C	CB-74	CB-73	1.59	72.23	PROP. 18" RCP
15C	CB-75	CB-74	1.11	253.59	PROP. 18" RCP
15C	CB-76	CB-75	1.23	245.42	PROP. 18" RCP
15C	CB-77	CB-76	0.88	141.75	PROP. 18" RCP
14C	CB-78	CB-77	2.15	156.3	PROP. 18" RCP
14C	CB-79	CB-78	1.17	174.5	PROP. 18" RCP
14C	EW-018	CB-79	10	29.06	PROP. 18" RCP
14C	CB-80	CB-79	2.89	58.73	PROP. 18" RCP
14C	EW-017	CB-80	1	28.8	PROP. 18" RCP
14C	CB-81	CB-80	4	27.23	PROP. 18" RCP
14C	CB-82	CB-81	2.9	100.15	PROP. 18" RCP



SEALED BY

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NOT FOR BIDDING

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 193+00 TO STA. 206+00

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.	2010	STP-101(16)	16
CONST	2015	STP-101(16)	16

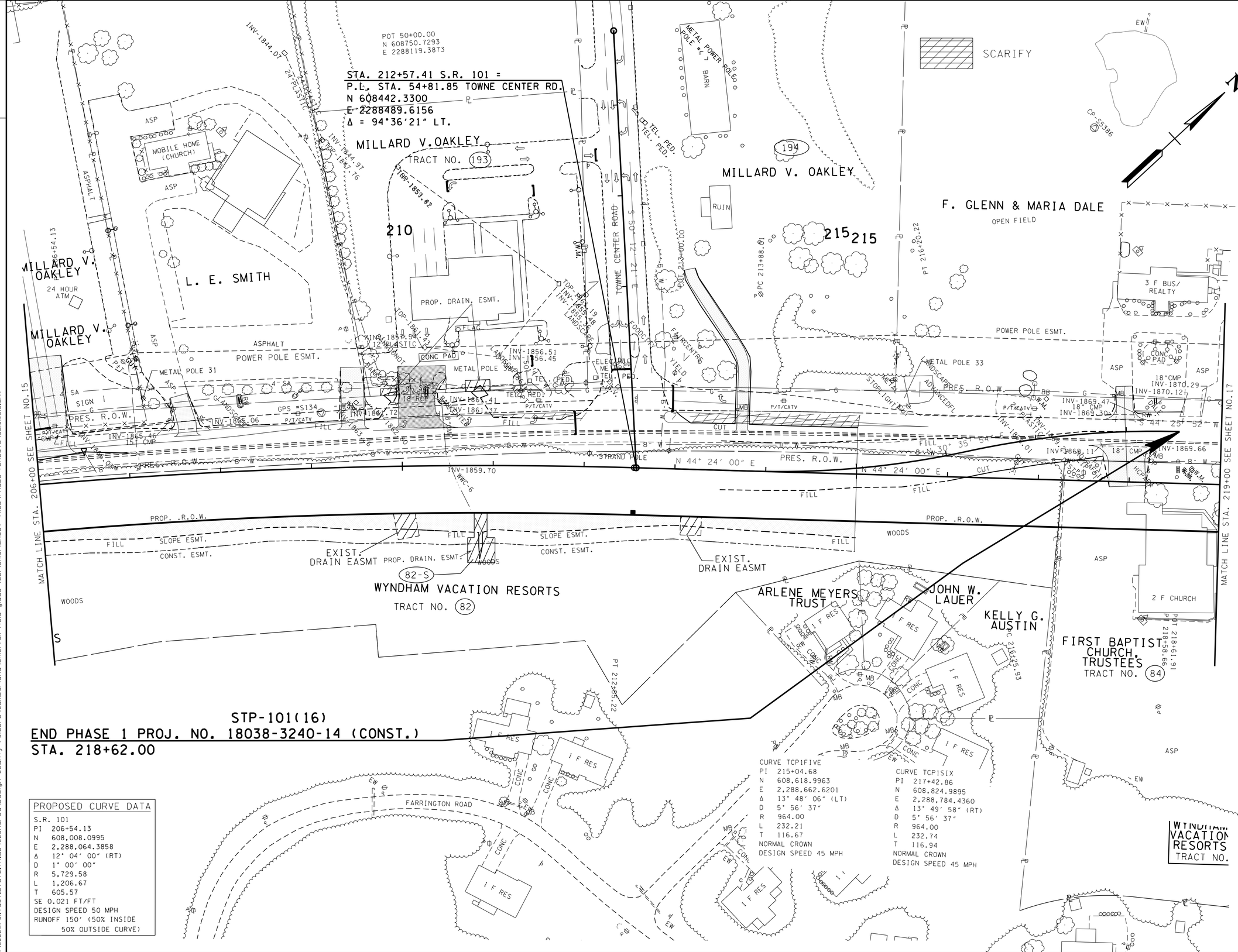
REV. 1-27-11: LABELED PROPOSED R.O.W., SLOPE, CONSTRUCTION, AND DRAINAGE EASEMENTS. ADDED SLOPE EASEMENT PATTERN.
REV. 2-19-12: LOCATED UTILITY POLES AT INTERSECTION OF S.R. 101 AND TOWNE CENTER ROAD.
REV. 5-10-12: CHANGED TRACT 80 TO MILLARD V. OAKELY.
REV. 7-12-12: LOCATED SIGNS AND UTILITIES ON TRACTS LABELED L.E. SMITH AND F. GLENN & MARIA DALE. LOCATED LANE ONTO TOWN CENTER ROAD.

REV. 08-20-12: ADDED WWC-6. ADDED POWER POLE EASMT. ADDED SCARIFY LEGEND. LABELED ROW FEATURES.
REV. 11-26-12: ADDED DRAIN EASMT TO TRACT 82-S2.

REV. 5-22-13: ADDED PROP DRIVEWAYS AT STA. 206+15.05, 209+47.09, AND 210+16.66. ADDED END OF CONST. UPDATED YEAR. ADDED DRAIN EASMT TO TRACT 82-S.
ADDED TRACT 193 AND 194. REMOVED EXIST DRIVEWAY ON TRACT 194. ADDED DRIVEWAY AT STA 217+98.97LT

REV. 7-09-13: REVISE PROPERTY OWNER FOR TRACT 82.

REV. 8-17-15- REVISED DRIVEWAY AT STA 210+16.66LT PER ROW REQ.



STP-101(16)
END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STA. 218+62.00

PROPOSED CURVE DATA

S.R. 101
PI 206+54.13
N 608,008.0995
E 2,288,064.3858
Δ 12° 04' 00" (RT)
D 1° 00' 00"
R 5,729.58
L 1,206.67
T 605.57
SE 0.021 FT/FT
DESIGN SPEED 50 MPH
RUNOFF 150' (50% INSIDE 50% OUTSIDE CURVE)

CURVE TCP1FIVE
PI 215+04.68
N 608,618.9963
E 2,288,662.6201
Δ 13° 48' 06" (LT)
D 5° 56' 37"
R 964.00
L 232.21
T 116.67
NORMAL CROWN
DESIGN SPEED 45 MPH

CURVE TCP1SIX
PI 217+42.86
N 608,824.9895
E 2,288,784.4360
Δ 13° 49' 58" (RT)
D 5° 56' 37"
R 964.00
L 232.74
T 116.94
NORMAL CROWN
DESIGN SPEED 45 MPH

SEALED BY

UNOFFICIAL SET
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 206+00 TO STA. 219+00

SCALE: 1"= 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	16A
CONST	2015	STP-101(16)	16A

REV. 1-27-11: LABELED PROPOSED R.O.W., SLOPE AND CONSTRUCTION EASEMENTS.
REV. 5-10-12: CORRECTED LABELS FOR PRES. R.O.W. RIGHT OF CENTERLINE. CHANGED TRACT 80 TO MILLARD V. OAKLEY.

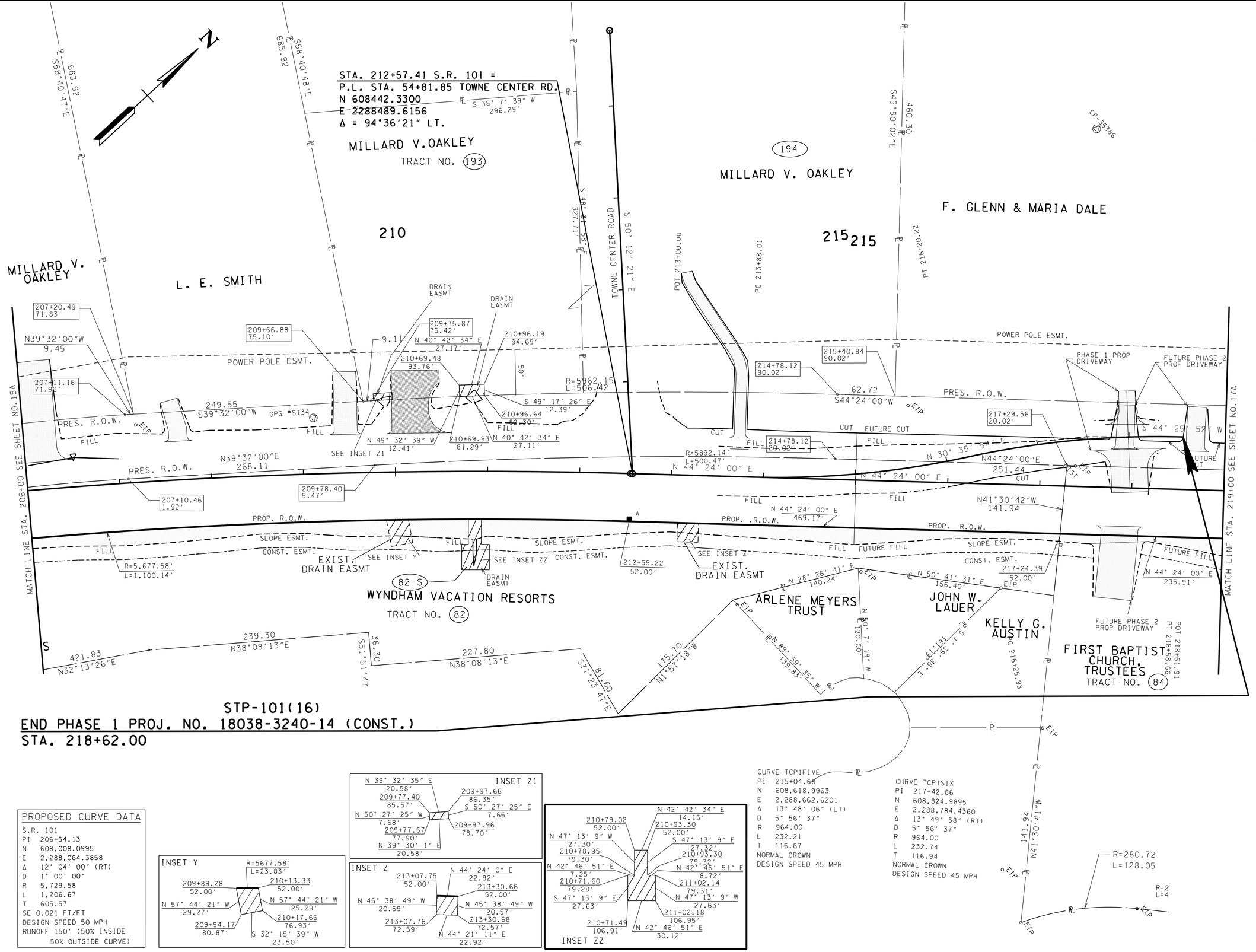
REV. 08-20-12: LABELED ROW FEATURES & SLOPE FEATURES.

REV. 11-26-12: ADDED DRAIN EASMT TO TRACT 82-S2

REV. 5-22-13: ADDED PROP DRIVEWAYS AT STA. 206+15.25, 209+47.09, 210+16.66, AND 217+99.22. UPDATE YEAR. ADDED END OF CONST. ADDED DRAIN EASMT TO TRACT 82-S, ADDED TRACT 193 AND 194. ADDED DRIVEWAY AT STA.217+98.97LT.

REV. 7-09-13: REVISE PROPERTY OWNER ON TRACT 82.

REV. 8-17-15- REVISED DRIVEWAY AT STA 210+16.66LT PER ROW REQ.



STP-101(16)
END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STA. 218+62.00

PROPOSED CURVE DATA
S.R. 101
PI 206+54.13
N 608,008.0995
E 2,288,064.3858
Δ 12° 04' 00" (RT)
D 1° 00' 00"
R 5,729.58
L 1,206.67
T 605.57
SE 0.021 FT/FT
DESIGN SPEED 50 MPH
RUNOFF 150' (50% INSIDE 50% OUTSIDE CURVE)

CURVE TCP1FIVE
PI 215+04.68
N 608,618.9963
E 2,288,662.6201
Δ 13° 48' 06" (LT)
D 5° 56' 37"
R 964.00
L 232.21
T 116.67
NORMAL CROWN
DESIGN SPEED 45 MPH

CURVE TCP1SIX
PI 217+42.86
N 608,824.9895
E 2,288,784.4360
Δ 13° 49' 58" (RT)
D 5° 56' 37"
R 964.00
L 232.74
T 116.94
NORMAL CROWN
DESIGN SPEED 45 MPH

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 206+00 TO STA. 219+00

SCALE: 1"= 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	16B
CONST	2015	STP-101(16)	16B

REV. 5-10-12: CORRECTED DRIVE WIDTH STATION 125+77.89.

REV. 08-20-12: ADDED WWC-5 AND WWC-6. ADDED PAVEMENT MARKINGS AND LIMIT OF CONST. TO TOWNE CENTER RD. ADDED PROP CURVE TEXT.

REV. 09-24-12: ADDED PROP CURVE TEXT.

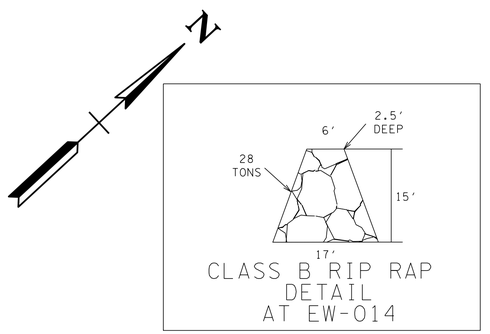
REV. 11-26-12: ADDED LABELS AND REVISED STORM SYSTEM. ADDED PROP. S.D.

REV. 12-18-12: ADDED HANDICAP RAMPS TO SIDE ROADS.

REV. 5-22-13: ADDED PROP DRIVEWAYS AT STA. 206+15.25, 209+47.09, 210+16.66, AND 217+99.22. ADDED PROP CATCHBASIN TABLE. REVISED END OF CONST. REMOVED PVMT MARKINGS. UPDATE YEAR. ADDED DRIVEWAY RADIUS. ADDED RIP RAP DETAIL. ADDED SPECIAL DITCH PROFILE. ADDED DRIVEWAY AT STA 217+98.97LT. REVISE 10' DRIVEWAY TO 12' DRIVEWAY PER CONST REQ.

REV. 5-29-13: ADDED RADIUS TO DIVEWAY.

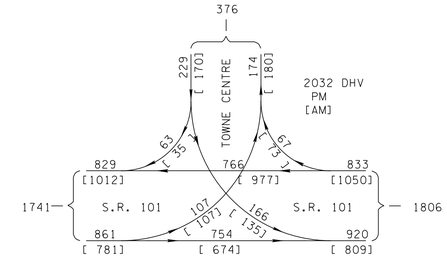
REV. 8-17-15- REVISED DRIVEWAY AT STA 210+16.66LT PER ROW REQ.

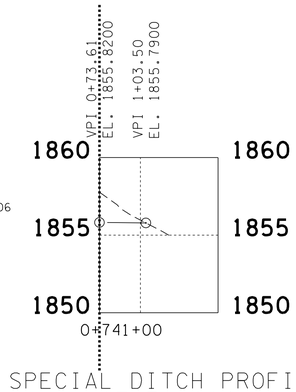


CLASS B RIP RAP DETAIL AT EW-014

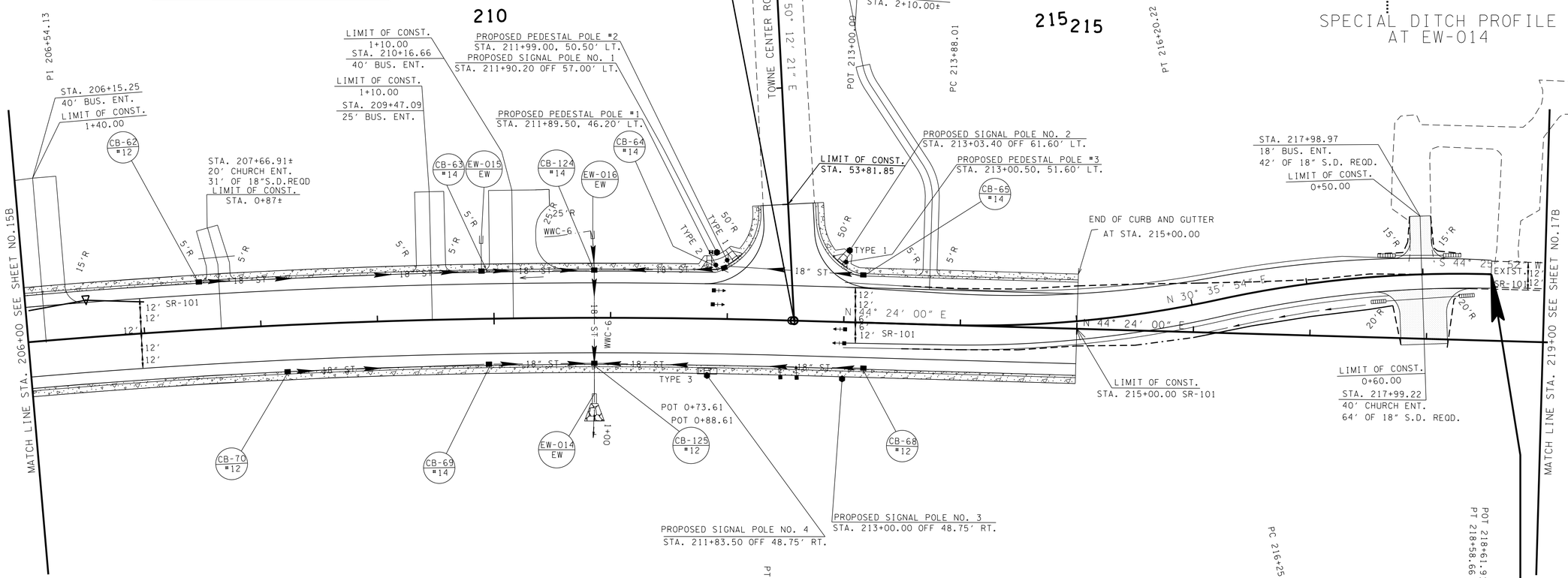
POT 50+00.00
N 608750.7293
E 2288119.3873

STA. 212+57.41 S.R. 101 =
P.L. STA. 54+81.85 TOWNE CENTER RD.
N 608442.3300
E 2288489.6156
Δ = 94°36'21" LT.





SPECIAL DITCH PROFILE AT EW-014



STP-101(16)
END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STA. 218+62.00

Sheet No.	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
16B	EW-014	SR101	210+86.03	65.19			1854.97
16B	CB-125	SR101	210+86.00	40	IN. EL. 1856.48 (CB-124) IN. EL. 1855.57 (CB-68) IN. EL. 1856.51 (CB-69)	1864.36	1855.07
16B	CB-68	SR101	213+18.00	40		1866.36	1860.11
16B	CB-69	SR101	209+95.00	40	IN. EL. 1856.93 (CB-70)	1863.9	1856.93
16B	CB-124	SR101	210+86.00	-40	IN. EL. 1856.95 (CB-63) IN. EL. 1859.34 (EW-016) IN. EL. 1858.55 (CB-64)	1865.62	1856.78
16B	CB-70	SR101	208+21.00	41		1865.45	1858.18
16B	CB-64	SR101	211+97.00	-43	IN. EL. 1859.76 (CB-65)	1866.28	1859.59
16B	CB-63	SR101	209+90.00	-40	IN. EL. 1858.91 (CB-62) IN. EL. 1858.90 (EW-015)	1865.16	1858.73
16B	EW-016	SR101	210+84.72	-67.96	IN. EL. 1859.77		
16B	CB-65	SR101	213+15.62	-40		1866.46	1860.21
16B	CB-62	SR101	207+49.00	-40		1867.83	1861.58
16B	EW-015	SR101	209+90.00	-64.68	IN. EL. 1859.67		

PROPOSED CURVE DATA

S.R. 101
PI 206+54.13
N 608,008.0995
E 2,288,064.3858
Δ 12° 04' 00" (RT)
D 1° 00' 00"
R 5,729.58
L 1,206.67
T 605.57
SE 0.021 FT/FT
DESIGN SPEED 50 MPH
RUNOFF 150' (50% INSIDE 50% OUTSIDE CURVE)

CURVE TCP1FIVE
PI 215+04.68
N 608,618.9963
E 2,288,662.6201
Δ 13° 48' 06" (LT)
D 5° 56' 37"
R 964.00
L 232.21
T 116.67
NORMAL CROWN
DESIGN SPEED 45 MPH

CURVE TCP1SIX
PI 217+42.86
N 608,824.9895
E 2,288,784.4360
Δ 13° 49' 58" (RT)
D 5° 56' 37"
R 964.00
L 232.74
T 116.94
NORMAL CROWN
DESIGN SPEED 45 MPH

SEALED BY

UNOFFICIAL SET
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 206+00 TO STA. 219+00

SCALE: 1"= 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	16A
CONST	2015	STP-101(16)	16A

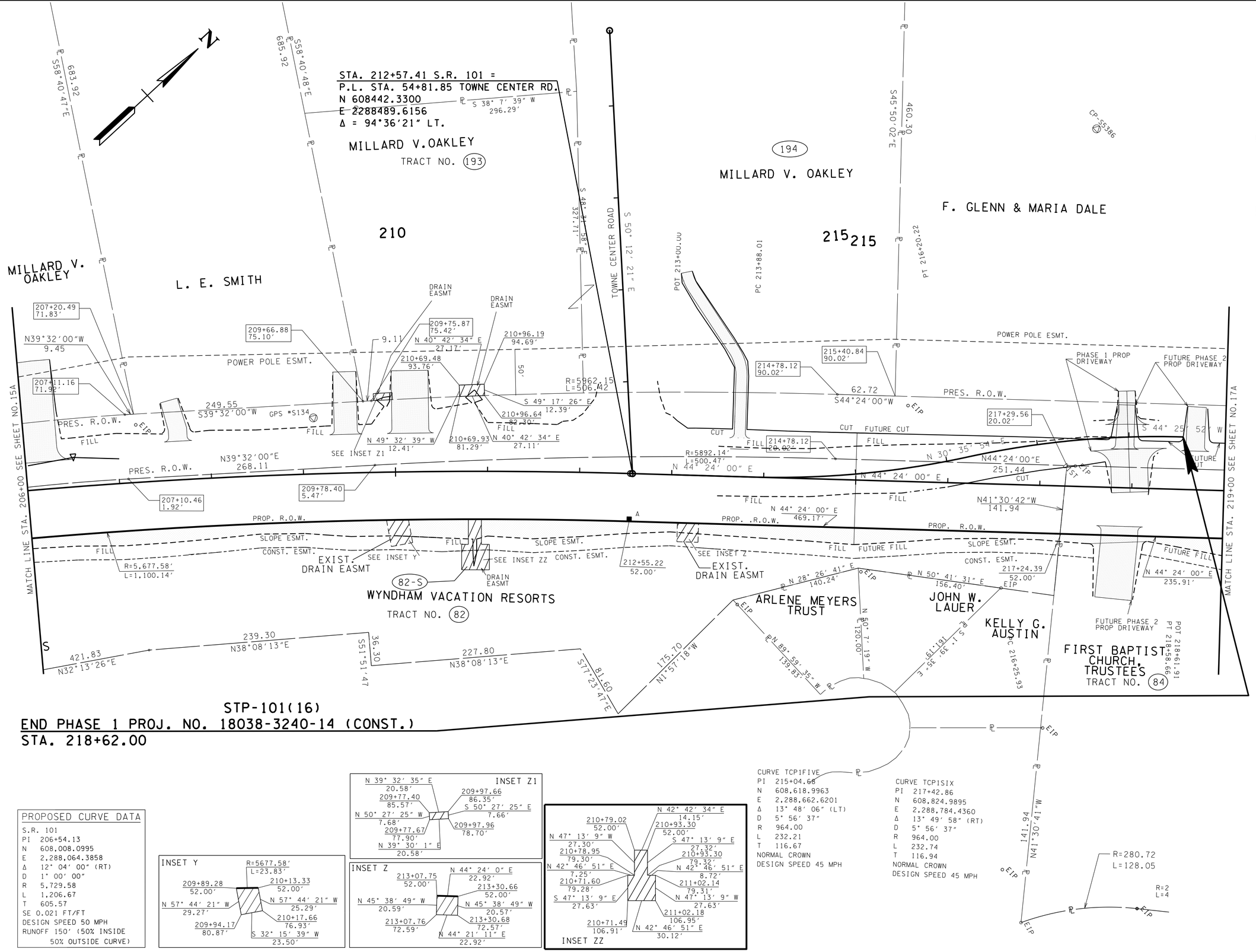
REV. 1-27-11: LABELED PROPOSED R.O.W., SLOPE AND CONSTRUCTION EASEMENTS.
REV. 5-10-12: CORRECTED LABELS FOR PRES. R.O.W. RIGHT OF CENTERLINE. CHANGED TRACT 80 TO MILLARD V. OAKLEY.

REV. 08-20-12: LABELED ROW FEATURES & SLOPE FEATURES.

REV. 11-26-12: ADDED DRAIN EASMT TO TRACT 82-S2

REV. 5-22-13: ADDED PROP DRIVEWAYS AT STA. 206+15.25, 209+47.09, 210+16.66, AND 217+99.22. UPDATE YEAR. ADDED END OF CONST. ADDED DRAIN EASMT TO TRACT 82-S, ADDED TRACT 193 AND 194. ADDED DRIVEWAY AT STA.217+98.97LT.

REV. 7-09-13: REVISE PROPERTY OWNER ON TRACT 82.



STP-101(16)

END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)

STA. 218+62.00

PROPOSED CURVE DATA

S.R. 101
PI 206+54.13
N 608,008.0995
E 2,288,064.3858
Δ 12° 04' 00" (RT)
D 1° 00' 00"
R 5,729.58
L 1,206.67
T 605.57
SE 0.021 FT/FT
DESIGN SPEED 50 MPH
RUNOFF 150' (50% INSIDE 50% OUTSIDE CURVE)

CURVE TCP1FIVE
PI 215+04.68
N 608,618.9963
E 2,288,662.6201
Δ 13° 48' 06" (LT)
D 5° 56' 37"
R 964.00
L 232.21
T 116.67
NORMAL CROWN
DESIGN SPEED 45 MPH

CURVE TCP1SIX
PI 217+42.86
N 608,824.9895
E 2,288,784.4360
Δ 13° 49' 58" (RT)
D 5° 56' 37"
R 964.00
L 232.74
T 116.94
NORMAL CROWN
DESIGN SPEED 45 MPH

SEALED BY

UNOFFICIAL SET
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 206+00 TO STA. 219+00

SCALE: 1"= 50'

20-OCT-2014 11:30
\\JJ02WF01.tdot.state.tn.us\02Shared\Design County Folders\Cumberland\SR101 fair-field glade (de)\SR101\sheet files\Phase 1\Sheets\CU101_016A.sht

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	16B
CONST	2015	STP-101(16)	16B

REV. 5-10-12: CORRECTED DRIVE WIDTH STATION 125+77.89.

REV. 08-20-12: ADDED WWC-5 AND WWC-6. ADDED PAVEMENT MARKINGS AND LIMIT OF CONST. TO TOWNE CENTER RD. ADDED PROP CURVE TEXT.

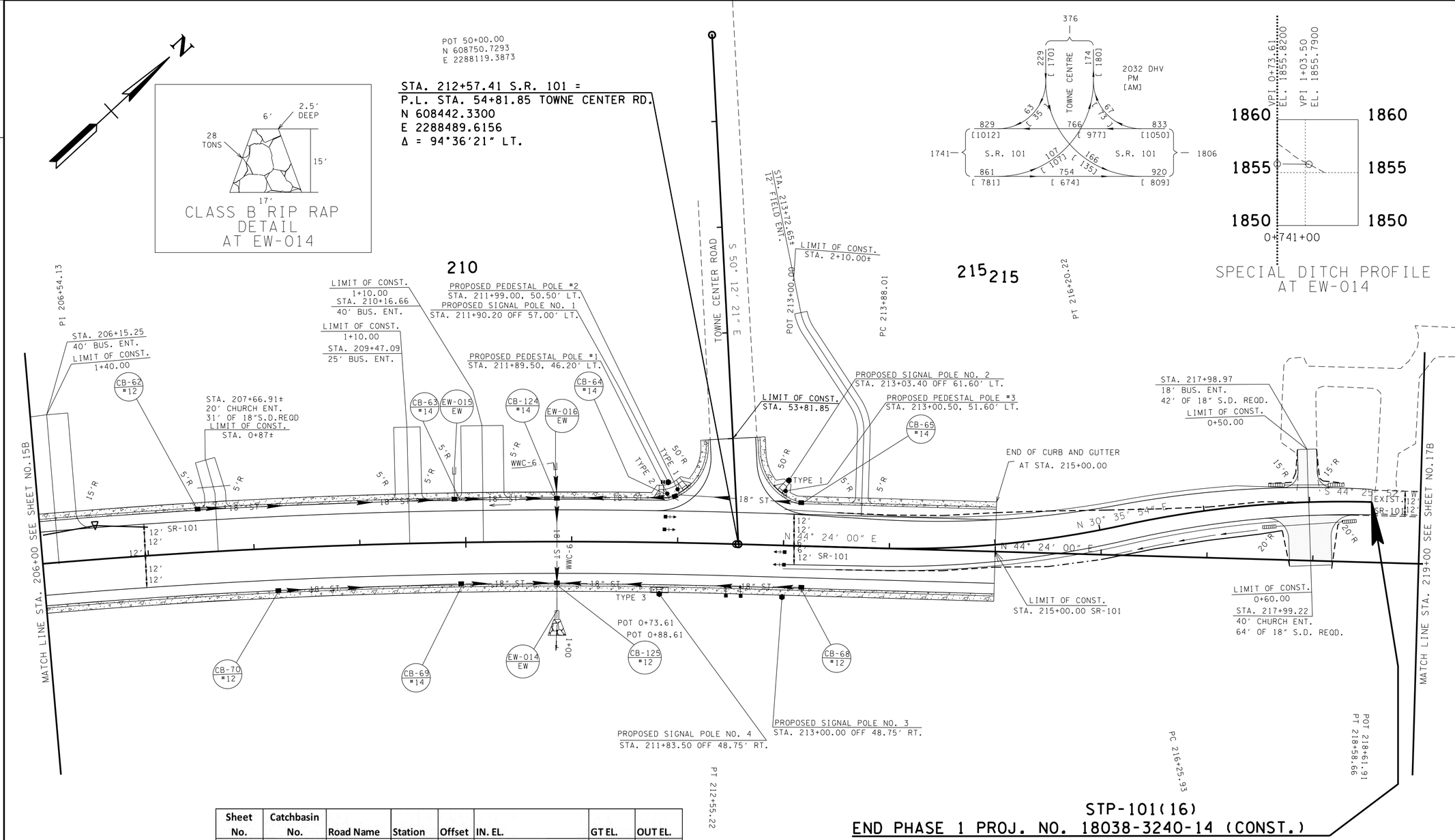
REV. 09-24-12: ADDED PROP CURVE TEXT.

REV. 11-26-12: ADDED LABELS AND REVISED STORM SYSTEM. ADDED PROP. S.D.

REV. 12-18-12: ADDED HANDICAP RAMPS TO SIDE ROADS.

REV. 5-22-13: ADDED PROP DRIVEWAYS AT STA. 206+15.25, 209+47.09, 210+16.66, AND 217+99.22. ADDED PROP CATCHBASIN TABLE. REVISED END OF CONST. REMOVED PVMT MARKINGS. UPDATE YEAR. ADDED DRIVEWAY RADIUS. ADDED RIP RAP DETAIL. ADDED SPECIAL DITCH PROFILE. ADDED DRIVEWAY AT STA 217+98.97LT. REVISE 10' DRIVEWAY TO 12' DRIVEWAY PER CONST REQ.

REV. 5-29-13: ADDED RADIUS TO DRIVEWAY.



STP-101(16)
END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STA. 218+62.00

Sheet No.	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
16B	EW-014	SR101	210+86.03	65.19			1854.97
16B	CB-125	SR101	210+86.00	40	IN. EL. 1856.48 (CB-124) IN. EL. 1855.57 (CB-68) IN. EL. 1856.51 (CB-69)	1864.36	1855.07
16B	CB-68	SR101	213+18.00	40		1866.36	1860.11
16B	CB-69	SR101	209+95.00	40	IN. EL. 1856.93 (CB-70)	1863.9	1856.93
16B	CB-124	SR101	210+86.00	-40	IN. EL. 1856.95 (CB-63) IN. EL. 1859.34 (EW-016) IN. EL. 1858.55 (CB-64)	1865.62	1856.78
16B	CB-70	SR101	208+21.00	41		1865.45	1858.18
16B	CB-64	SR101	211+97.00	-43	IN. EL. 1859.76 (CB-65)	1866.28	1859.59
16B	CB-63	SR101	209+90.00	-40	IN. EL. 1858.91 (CB-62) IN. EL. 1858.90 (EW-015)	1865.16	1858.73
16B	EW-016	SR101	210+84.72	-67.96	IN. EL. 1859.77		
16B	CB-65	SR101	213+15.62	-40		1866.46	1860.21
16B	CB-62	SR101	207+49.00	-40		1867.83	1861.58
16B	EW-015	SR101	209+90.00	-64.68	IN. EL. 1859.67		

PROPOSED CURVE DATA

S.R. 101
PI 206+54.13
N 608,008.0995
E 2,288,064.3858
Δ 12° 04' 00" (RT)
D 1° 00' 00"
R 5,729.58
L 1,206.67
T 605.57
SE 0.021 FT/FT
DESIGN SPEED 50 MPH
RUNOFF 150' (50% INSIDE 50% OUTSIDE CURVE)

CURVE TCP1FIVE
PI 215+04.68
N 608,618.9963
E 2,288,662.6201
Δ 13° 48' 06" (LT)
D 5° 56' 37"
R 964.00
L 232.21
T 116.67
NORMAL CROWN
DESIGN SPEED 45 MPH

CURVE TCP1SIX
PI 217+42.86
N 608,824.9895
E 2,288,784.4360
Δ 13° 49' 58" (RT)
D 5° 56' 37"
R 964.00
L 232.74
T 116.94
NORMAL CROWN
DESIGN SPEED 45 MPH

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 206+00 TO STA. 219+00

SCALE: 1"= 50'

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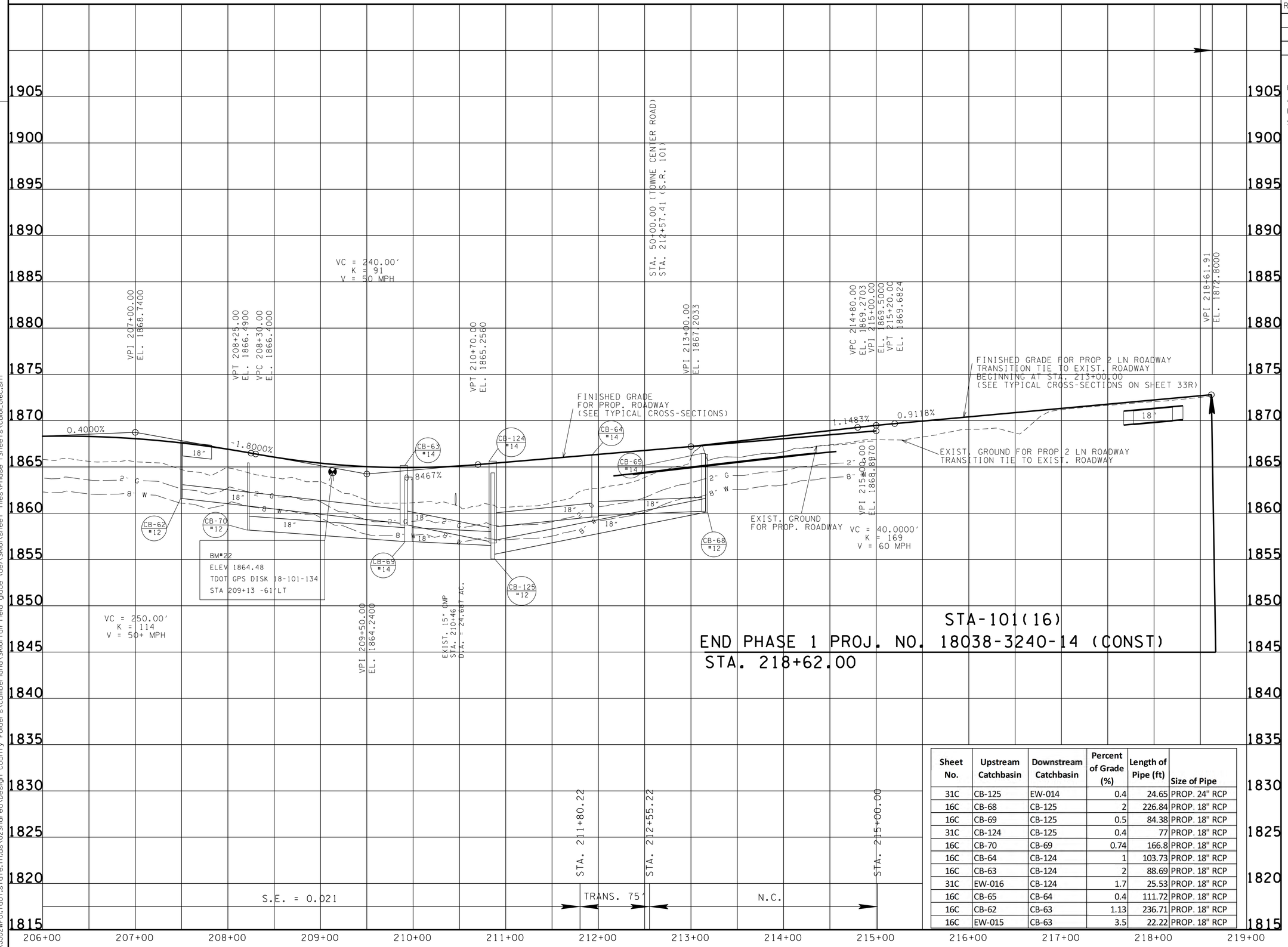
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	16C
CONST	2015	STP-101(16)	16C

REV. 11-26-12- ADDED STORM SYSTEM AND PROP PIPES
REV. 5-22-13- ADDED PIPE TABLE AND PROP TRANSITION ALIGN. ADDED END OF CONST. UPDATE YEAR. ADDED S.D. PIPES.



Sheet No.	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
31C	CB-125	EW-014	0.4	24.65	PROP. 24" RCP
16C	CB-68	CB-125	2	226.84	PROP. 18" RCP
16C	CB-69	CB-125	0.5	84.38	PROP. 18" RCP
31C	CB-124	CB-125	0.4	77	PROP. 18" RCP
16C	CB-70	CB-69	0.74	166.8	PROP. 18" RCP
16C	CB-64	CB-124	1	103.73	PROP. 18" RCP
16C	CB-63	CB-124	2	88.69	PROP. 18" RCP
31C	EW-016	CB-124	1.7	25.53	PROP. 18" RCP
16C	CB-65	CB-64	0.4	111.72	PROP. 18" RCP
16C	CB-62	CB-63	1.13	236.71	PROP. 18" RCP
16C	EW-015	CB-63	3.5	22.22	PROP. 18" RCP

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 206+00 TO STA. 219+00
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.	2010	STP-101(16)	17
CONST	2015	STP-101(16)	17

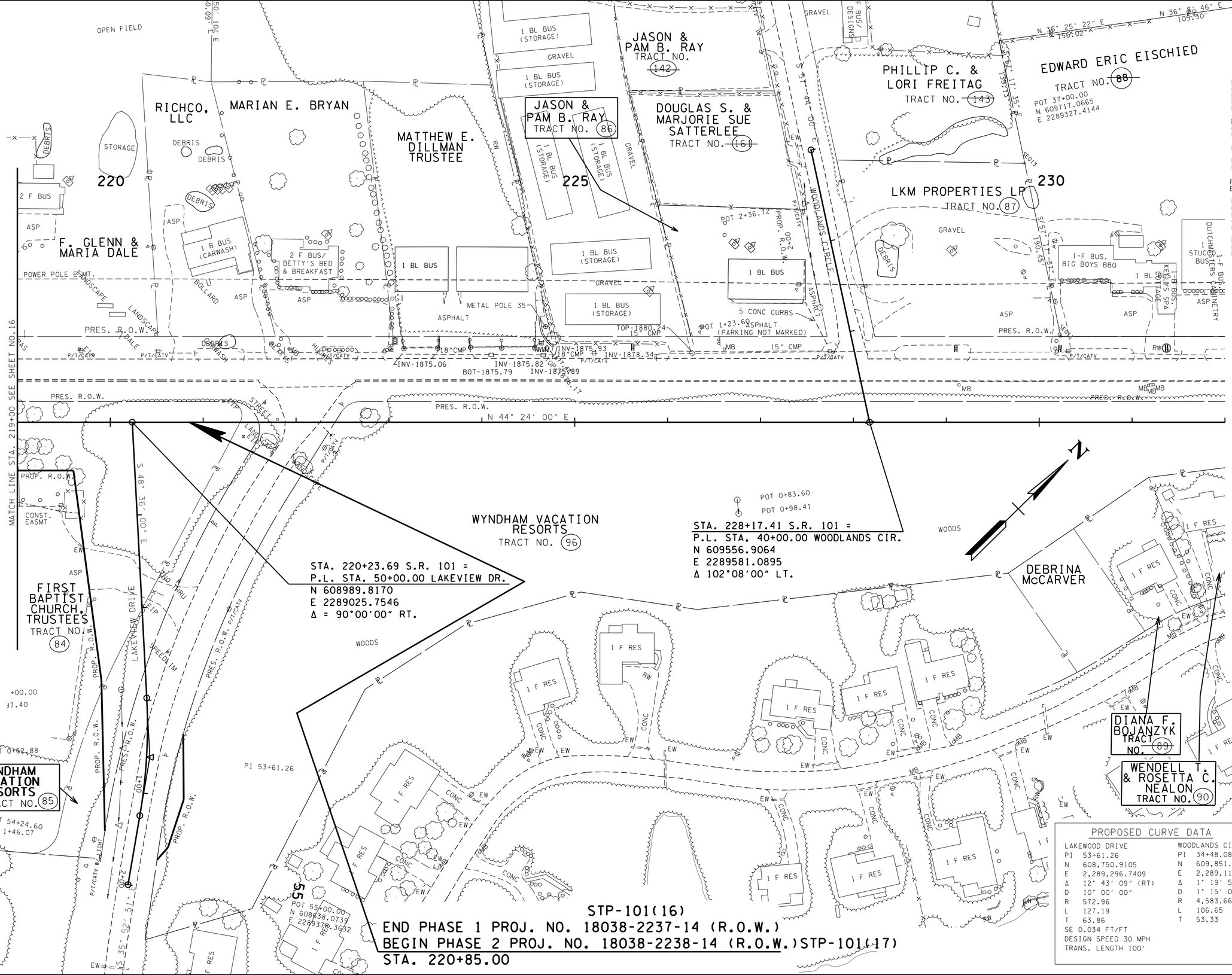
PHASE 1 REV. 1-27-11: LABLED PROP. R.O.W., SLOPE, CONSTRUCTION, AND DRAINAGE EASEMENTS. REMOVED CONSTRUCTION EASEMENT PATTERN.
PHASE 1 & 2 REV. 10-26-11: CHANGED ALIGNMENT FOR LAKEVIEW DRIVE. CORRECTED MAINLINE CURVE DATA.
PHASE 2 REV. 2-17-12: REMOVED Z BAR BETWEEN TRACT 86 AND TRACT 142. LINED THROUGH TRACT NUMBER 142.
PHASE 2 REV. 6-15-12: ADDED BUILDINGS TO TRACT LABLED MATTHEW E. DILLMAN TRUSTEE. UPDATED PROPERTY OWNER NAME FOR TRACT 143. REV. 7-12-12: UPDATED DRIVE ON TRACT 84.

PHASE 1 REV. 08-20-12: ADDED POWER POLE EASMT. LABELED ROW FEATURES.

PHASE 1 & 2 REV. 09-12-12: ADDED BUILDING TO TRACT 86. DELETED BUILDING TO TRACT 87. REMOVED CONST EASMT TO CORNER OF TRACT 89. REMOVED DRIVEWAY AT STA. 225+00± AND ADDED DRIVEWAY TO STA. 223+70±. REVISED ALIGNMENT, DRIVE, SLOPE LINES PROP. ROW ON WOODLAND CIRCLE. PLACED LINE THRU TRACT 88, 89, 143, AND 161.

PHASE 2 REV. 10-26-12: DEFINED ASPHALT PARKING ON TRACT 86. CHANGED ALIGNMENT OF DRIVE ON WOODLANDS CIRCLE LT STA 38+77.68 (TRACT #87).

REV. 5-22-13: SPLIT PHASE 1 AND PHASE 2. UPDATE YEAR.



PROPOSED CURVE DATA

LAKEWOOD DRIVE		WOODLANDS CIRCLE	
PI	53+61.26	PI	34+48.08
N	608,750.9105	N	609,851.5596
E	2,289,296.7409	E	2,289,114.3932
Δ	12° 43' 09" (RT)	Δ	1° 19' 59" (RT)
D	10° 00' 00"	D	1° 15' 00"
R	572.96	R	4,583.66
L	127.19	L	106.65
T	63.86	T	53.33

SE 0.034 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 100'

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 219+00 TO STA. 232+00

SCALE: 1"= 50'

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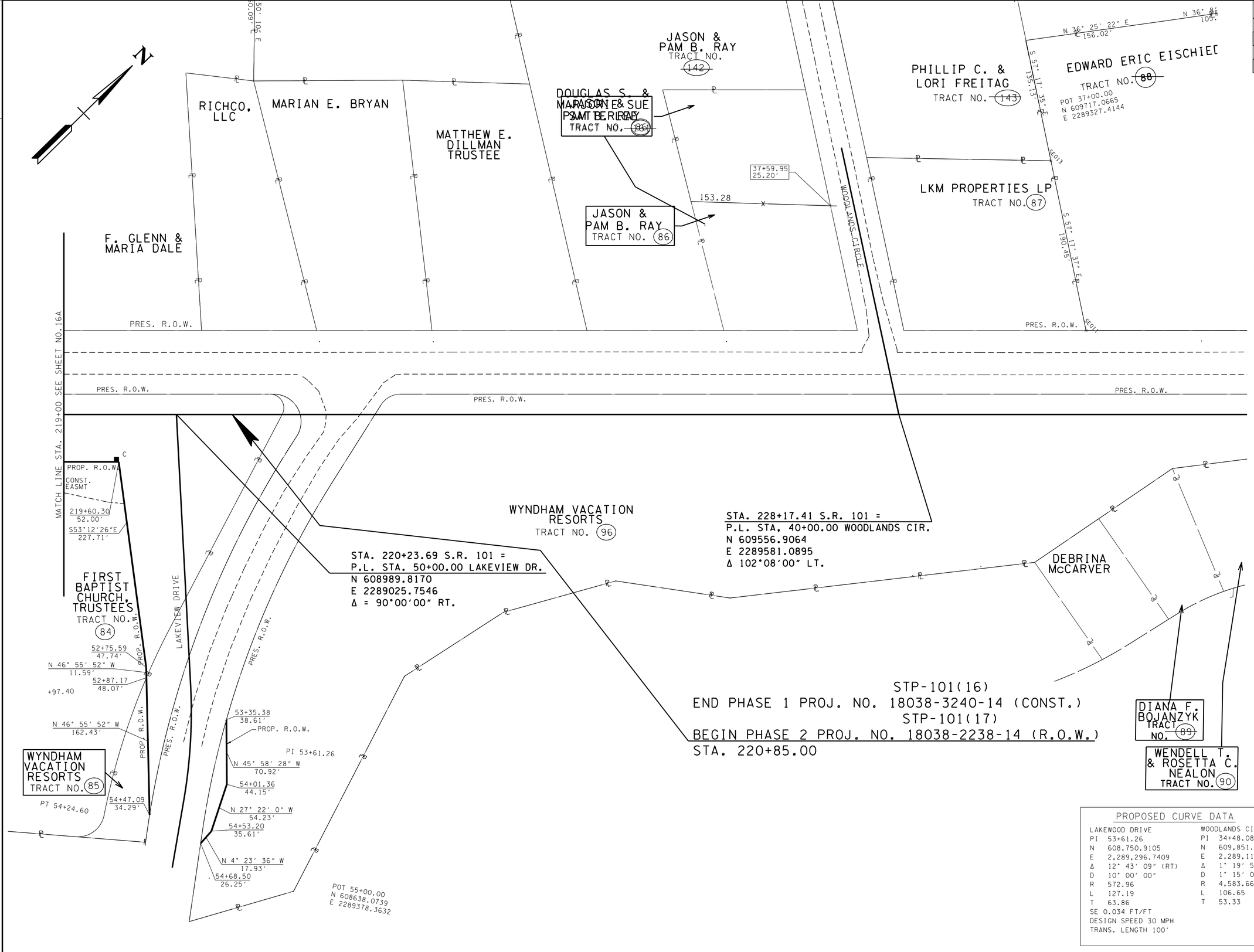
DESIGN DIVISION
FILE NO.



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	17A
CONST	2015	STP-101(16)	17A

PHASE 1 REV. 1-27-11: LABELED CONSTRUCTION AND SLOPE EASEMENTS. REMOVED CONSTRUCTION EASEMENT PATTERN. ADDED CURVE DATA.
PHASE 1 & 2 REV. 10-26-10: CHANGED ALINGMENT FOR LAKEVIEW DR. CORRECTED PROPOSED R.O.W. STATION/OFFSET RT. STA. 231+76.03. CORRECTED MAINLNIE CURVE DATA.
PHASE 2 REV. 2-17-12: REMOVED Z BAR BETWEEN TRACT 86 AND 142. LINED THROUGH TRACT NUMBER 142. UPDATED TRACT NUMBER 127 TO TRACT NUMBER 161.
PHASE 2 REV. 6-15-12: CORRECTED STATIONS AND OFFESTS FOR PRES. R.O.W. ALONG WOODLANDS CIRCLE. UPDATED PROPERTY OWNER NAME FOR TRACT 143.

PHASE 1 REV. 08-20-12: LABELED ROW FEATURES & SLOPE FEATURES.

PHASE 1 & 2 REV. 09-12-12: REMOVED CONST EASMT TO CORNER OF TRACT 89. REMOVED DRIVEWAY AT STA.224+00± AND ADDED DRIVEWAY AT STA.223+70± REVISED ALIGNMENT. PROP ROW. AND DRIVE ON WOODLANDS CIRCLE. PLACED LINE THRU TRACT 88,161, 89, 143.

PHASE 2 REV. 10-26-12:
CHANGED ALIGNMENT OF DRIVE ON WOODLANDS CIRCLE LT. STA 38+77.68.

REV. 5-22-13:
SPLIT PHASE 1 AND PHASE 2.
UPDATE YEAR.

PROPOSED CURVE DATA

LAKEWOOD DRIVE		WOODLANDS CIRCLE	
PI	53+61.26	PI	34+48.08
N	608,750.9105	N	609,851.5596
E	2,289,296.7409	E	2,289,114.3932
Δ	12° 43' 09" (RT)	Δ	1° 19' 59" (RT)
D	10° 00' 00"	D	1° 15' 00"
R	572.96	R	4,583.66
L	127.19	L	106.65
T	63.86	T	53.33

SE 0.034 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 100'

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 219+00 TO STA. 232+00

SCALE: 1"= 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	17B
CONST	2015	STP-101(16)	17B

PHASE 1 &2 REV. 10-26-11: CHANGED ALIGNMENT FOR LAKEVIEW DRIVE. CORRECTED MAINLINE CURVE DATA.

PHASE 1 &2 REV. 08-20-11: ADDED PAVEMENT MARKINGS AND LIMIT OF CONST. TO WOODLANDS CIRCLE.

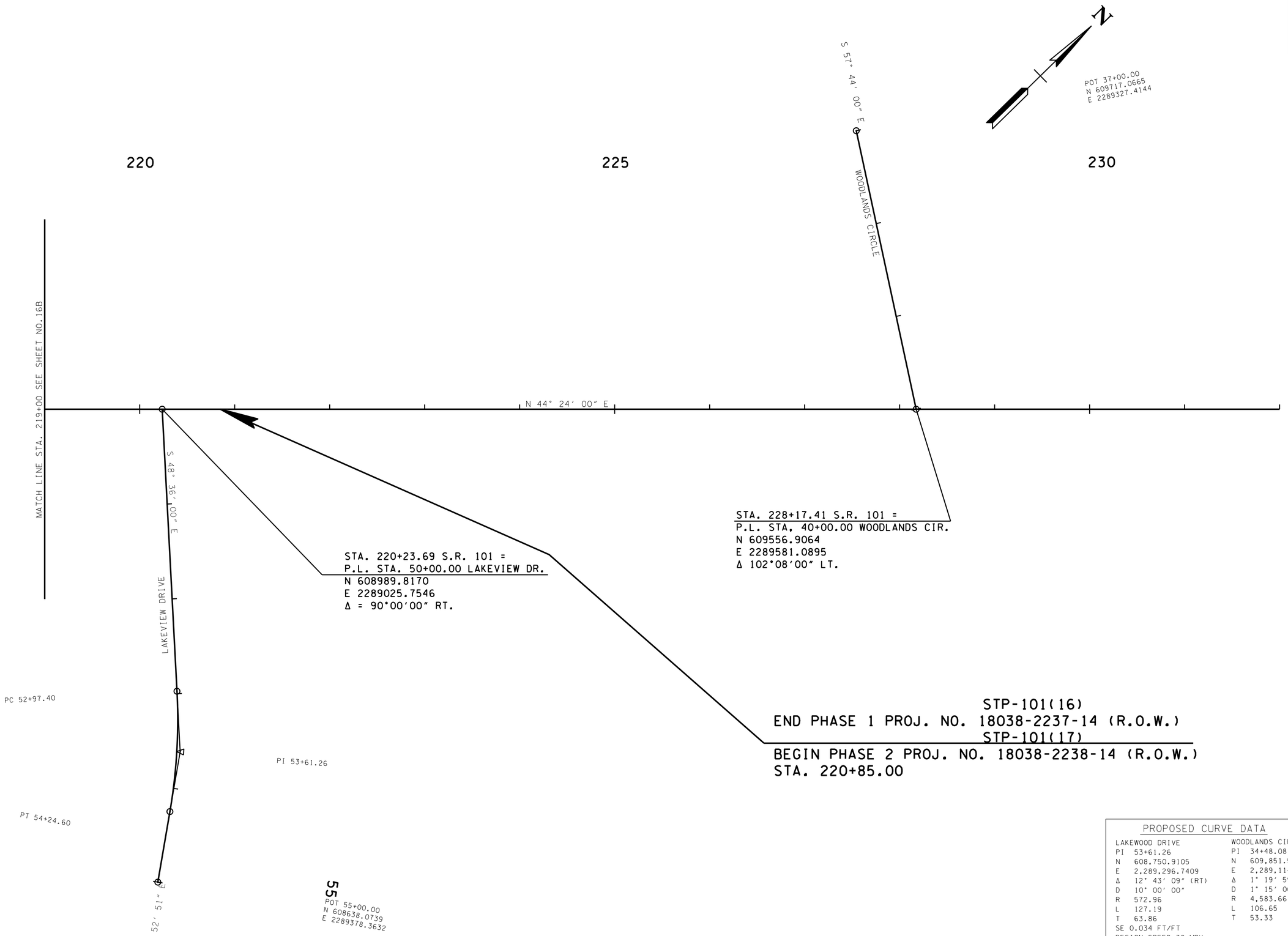
PHASE 1 &2 REV. 09-12-12: REMOVED DRIVEWAY AT STA. 224+00± AND ADDED DRIVEWAY AT STA. 223+70± REVISED ALIGNMENT, DRIVE, SLOPE LINES ON WOODLAND CIRCLE.

PHASE 1 &2 REV. 09-13-12: ADDED 4"SSWL PAVMT MARKINGS

PHASE 1 & PHASE 2 REV. 10-26-12: CHANGED ALIGNMENT OF DRIVE ON WOODLANDS CIRCLE LT. STA 38+77.68. ADDED LABELS AND REVISED STORM SYSTEM. ADDED PROP. S.D.

PHASE 1 & PHASE 2 REV. 12-18-12: ADDED HANDICAP RAMPS TO SIDE ROADS.

REV. 5-22-13: SPLIT PHASE 1 AND PHASE 2. UPDATE YEAR.



PROPOSED CURVE DATA

LAKEWOOD DRIVE		WOODLANDS CIRCLE	
PI	53+61.26	PI	34+48.08
N	608,750.9105	N	609,851.5596
E	2,289,296.7409	E	2,289,114.3932
Δ	12° 43′ 09″ (RT)	Δ	1° 19′ 59″ (RT)
D	10° 00′ 00″	D	1° 15′ 00″
R	572.96	R	4,583.66
L	127.19	L	106.65
T	63.86	T	53.33

SE 0.034 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 100′

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 219+00 TO STA. 232+00

SCALE: 1"= 50′

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

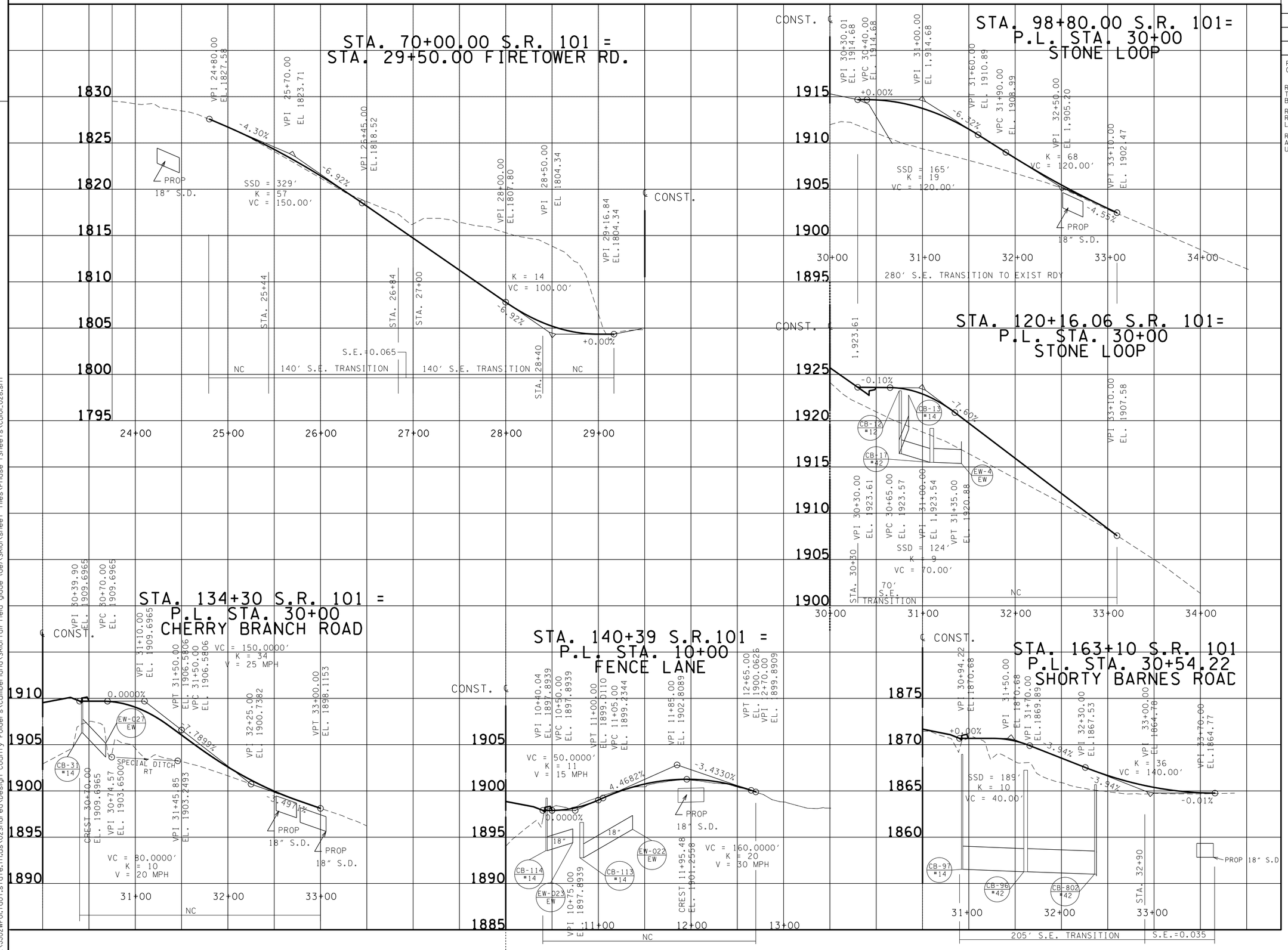
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	28
CONST	2015	STP-101(16)	28

REV. 1-27-11: ADDED PROJECT NUMBER. CORRECTED SHEET NUMBER.

REV. 08-20-12: ADDED PROP. PIPES TO FIRETOWER ROAD AND CHERRY BRANCH ROAD

REV. 09-24-12: REVISED CHERRY BRANCH ROAD. ADDED PROP. PIPE TO FENCE LANE. ADDED PIPES TO SHORTY BARNES.

REV. 5-22-13: UPDATE YEAR. ADDED CATCHBASINS TO STONE LOOP. UPDATE ALL PROFILES.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

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

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

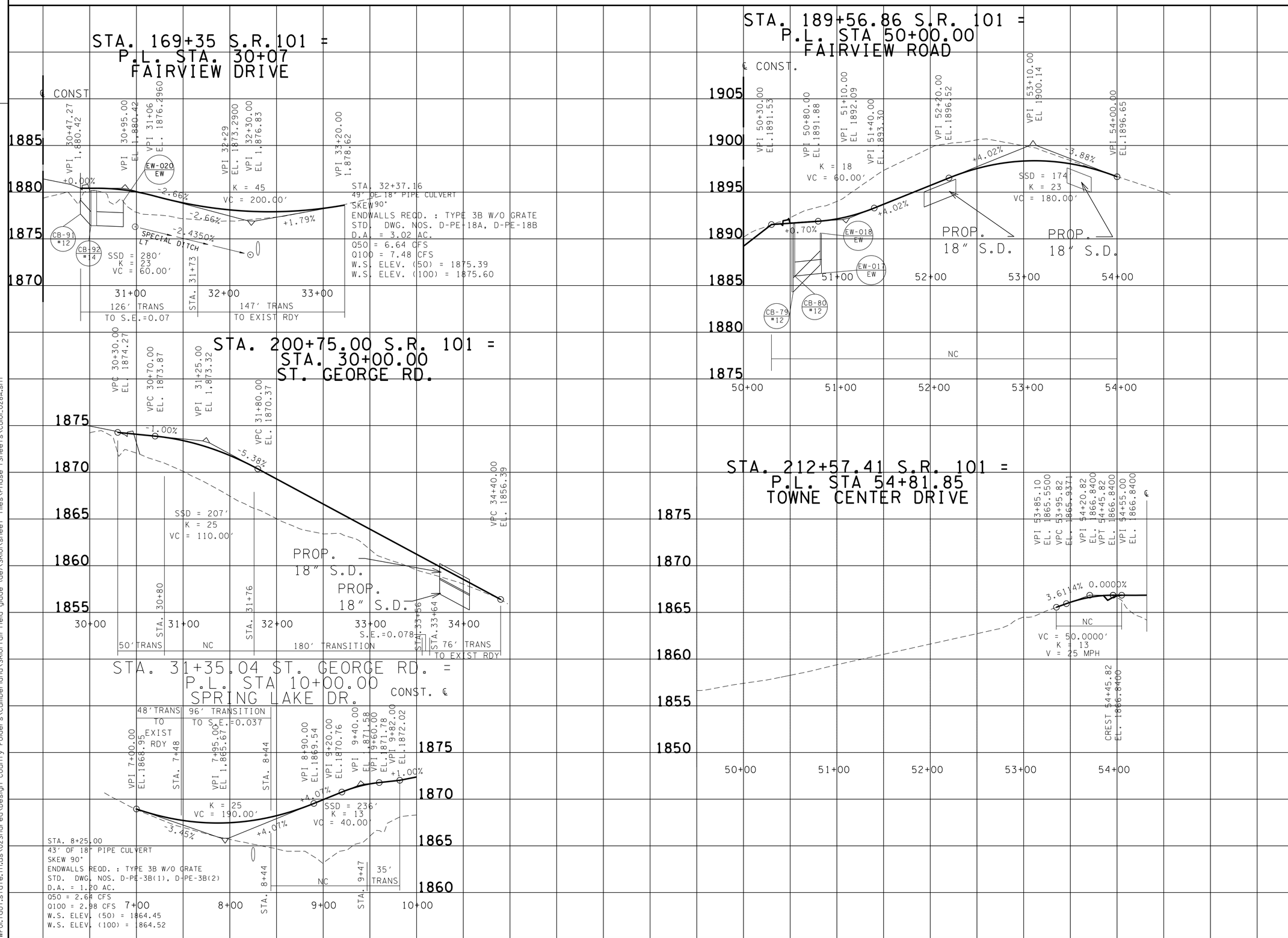
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	28A
CONST	2015	STP-101(16)	28A

REV. 1-27-11: ADDED PROJECT NUMBER. CORRECTED SHEET NUMBER.
REV. 10-26-11: CHANGED ALIGNMENT FOR LAKEVIEW DRIVE.

REV. 08-20-12: ADDED PROP. PIPES TO ST. GEORGE ROAD

REV. 09-24-12: REVISED SPECIAL DITCH ON FAIRVIEW DR & ADDED SPECIAL DITCH PROFILE FOR FAIRVIEW DR. ADDED PROP PIPES TO FAIRVIEW ROAD. RENAMED FAIRVIEW ESTATES TO FAIRVIEW ROAD.

REV. 5-22-13: REVISED TOWNE CENTER DR PROFILE. UPDATE YEAR. REMOVED LAKEVIEW DRIVE AND WOODLANDS CIRCLE. ADDED STORM SYSTEM. ADDED SPRING LAKE ALIGNMENT.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

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

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

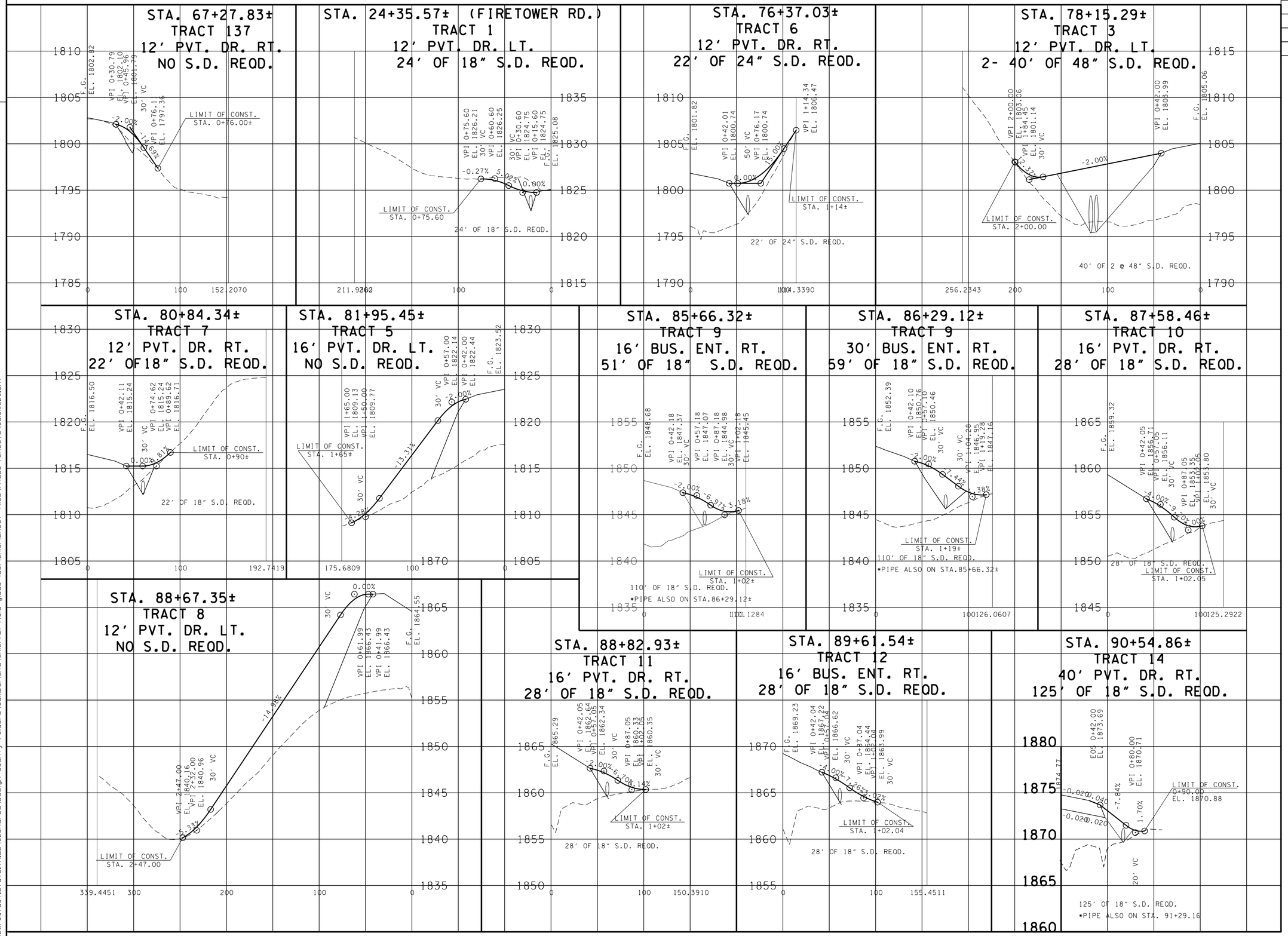
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	29
CONST	2015	STP-101(16)	29

REV 08-20-12 - ADDED PROP. PIPES AND BOX CULV TO DRIVES.

REV 09-24-12 - REVISED BOX CULV TO 48" S.D. ON STA. 78+15.29. REVISED PIPE ON DRIVEWAYS STA. 85+66.32, 86+29.12, 90+75.31

REV 10-02-12 - REVISED DRIVEWAY TO TRACT 14.

REV 5-22-13 - UPDATE YEAR. REVISE 10' DRIVEWAYS TO 12' DRIVEWAYS PER CONST REQ.



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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.	2010	STP-101(16)	29A
CONST	2015	STP-101(16)	29A

REV. 6-12-12: UPDATED PROFILE FOR DRIVE STA. 105+95.23 RT AND STA. 106+40.23. ADDED NOTE FOR DRIVE PROFILES STA. 106+95.30 AND STA. 107+93.90.

REV. 08-20-12: ADDED PROP. PIPES TO DRIVES

REV. 09-24-12: REVISED PIPE AT STA.91+29.16. REVISED DRIVEWAY LOCATIONS.

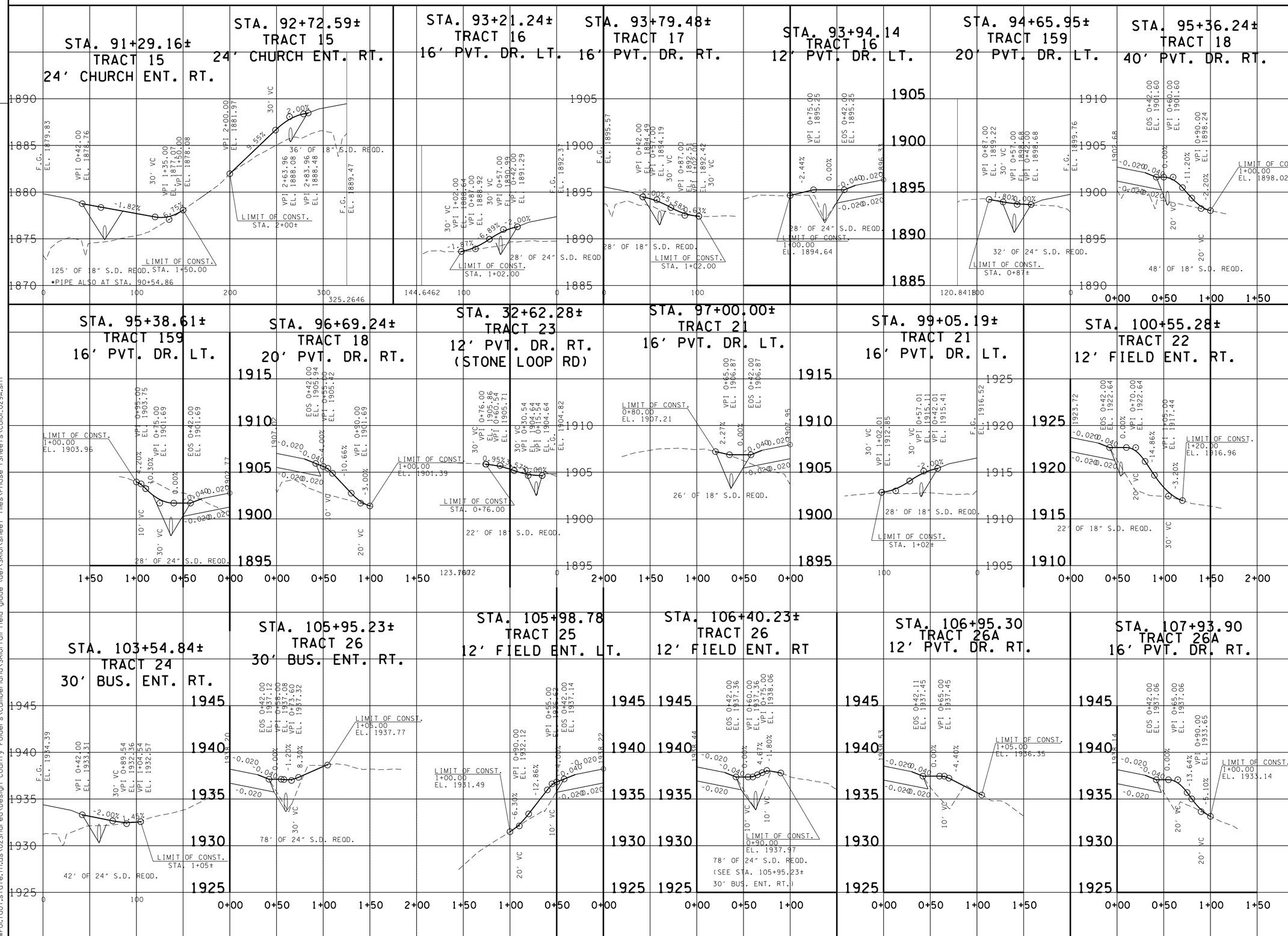
REV. 10-02-12: REVISED PIPE & STA DESCRIPTION ON DRIVEWAY AT TRACT 15. REVISED DRIVEWAY ON TRACT 18.

REV. 11-26-12: ADDED PRIVATE DR AT STA. 97+00

REV. 2-21-13: ADDED BUS ENT AT STA. 95+36.24 AND 96+64.29

REV. 5-22-13: REVISED DRIVEWAY AT STA.94+65.95. ADDED DRIVEWAY AT STA. 95+38.61. REVISE 10' DRIVEWAYS TO 12' DRIVEWAYS PER CONST REQ. UPDATE YEAR.

REV. 5-29-13: REVISED DESCRIPTION ON STA.95+36.24 AND REMOVE PIPE AT STA.107+93.90



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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.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	29B
CONST	2015	STP-101(16)	29B

REV. 6-12-12: CORRECTED DRIVE WIDTH STA. 125+77.89. UPDATED LIMIT OF CONST. FOR DRIVE STA. 125+00. UPDATED PROFILE FOR DRIVE STA 121+64.41. ADDED NOTE FOR DRIVE STA. 122+09.44 LT.

REV. 7-27-12: REVISED TRACT 38 DRIVEWAY

REV. 8-08-12: REMOVED TRACT 36 DRIVEWAY ADDED ENGINEER SEAL BOX.

REV. 08-20-12: REVISED 16' PVT. DR. LT AT STA. 120+72.22±

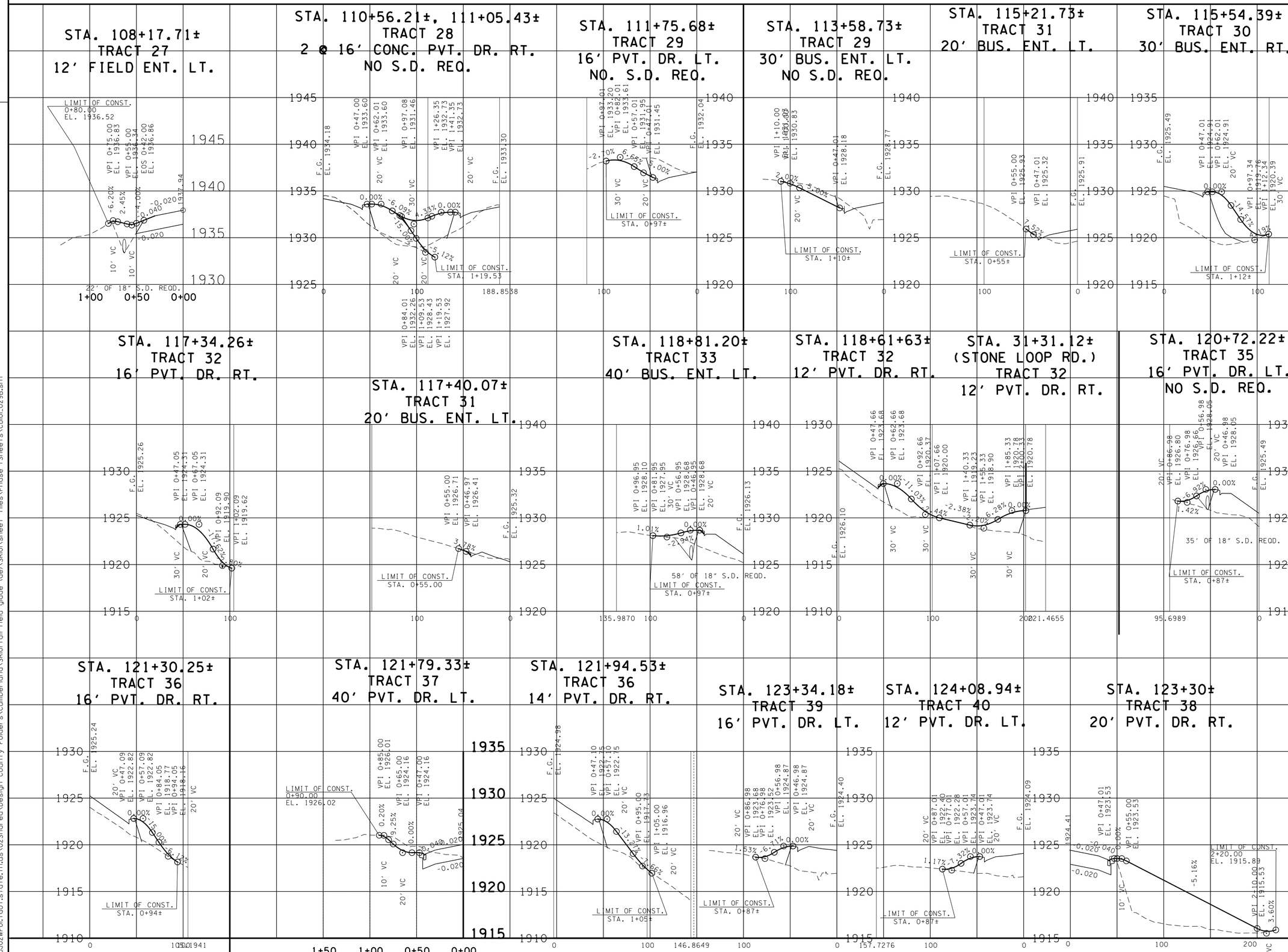
REV. 09-24-12: REMOVED PVT DRIVE ON TRACT 38 STA. 123+30± AND REPLACED WITH PVT DRIVE AT STA. 125+00± REVISED DRIVEWAYS LOCATIONS.

REV. 11-26-12: ADDED PROP. PIPES TO PVT DR STA 118+81.20 & 120+72.22

REV. 11-30-12: REMOVE 2 BUS ENT FROM TRACT 37 AND ADDED ONE 40' BUS ENT

REV. 2-21-13: MOVED FIELD ENT STA 108+17.71 FROM 29A.

REV. 5-22-13: REMOVED DRIVEWAY AT STA.125+00. ADDED DRIVEWAY AT STA.123+30.00. UPDATE YEAR. REVISE 10' DRIVEWAYS TO 12' DRIVEWAYS PER CONST REQ.



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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.	2010	STP-101(16)	29C
CONST	2015	STP-101(16)	29C

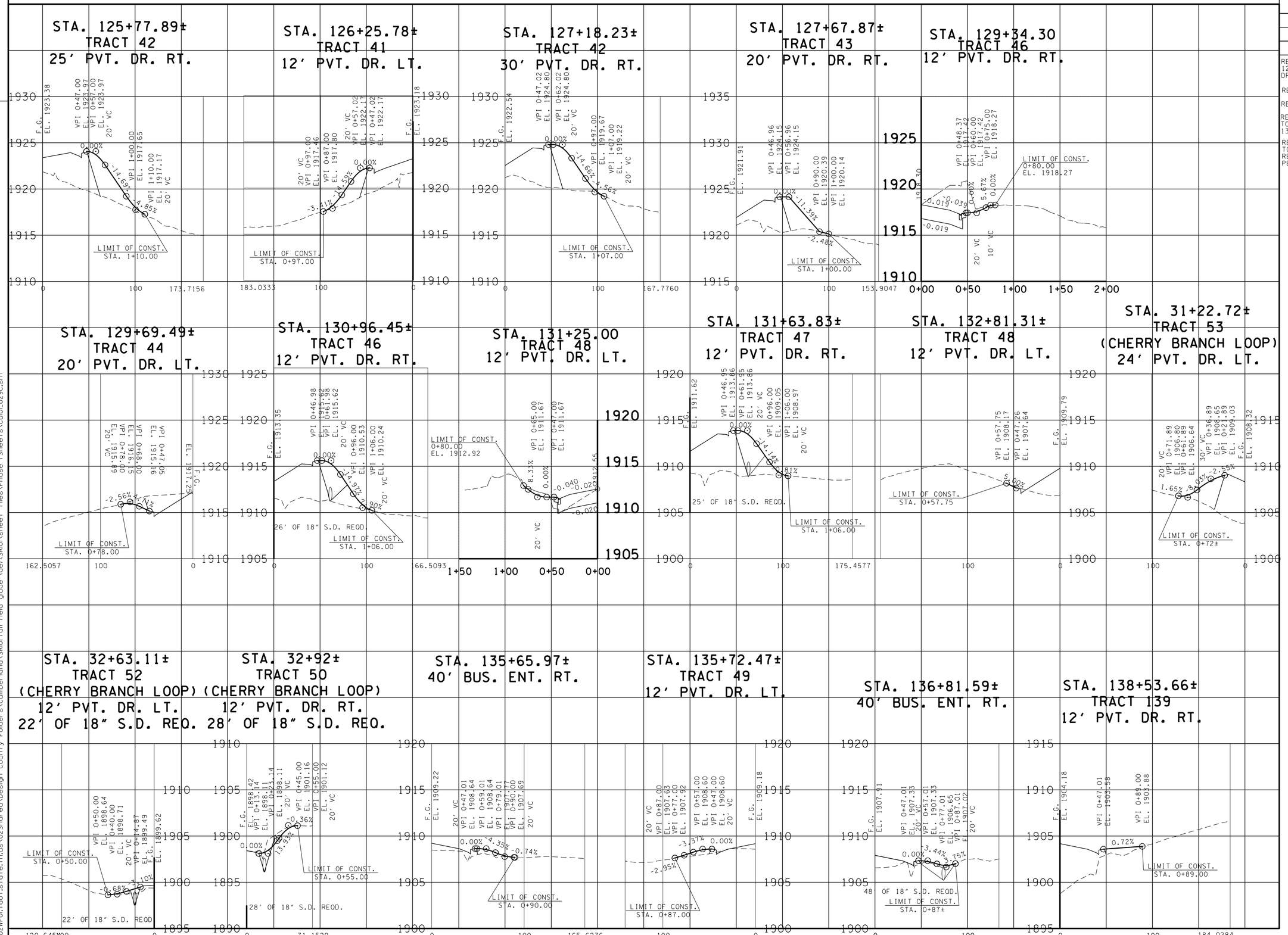
REV. 5-10-12: ADDED NOTES FOR DRIVES STA. 129+34.30 AND STA. 130+00.00. CORRECTED DRIVE WIDTH STA. 127+18.23.

REV. 08-20-12: ADDED PROP. PIPES

REV. 09-24-12: REVISED DRIVEWAY LOCATIONS

REV. 11-26-12: ADDED PROP PIPES TO DRIVEWAYS AT STA 130+96.45, 131+63.83, 136+81.59, & 138+53.66

REV. 5-22-13: REMOVED PROP PIPE TO DRIVEWAYS AT STA 138+53.66. REVISE 10' DRIVEWAYS TO 12' DRIVEWAYS PER CONST REQ. UPDATE YEAR.



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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.

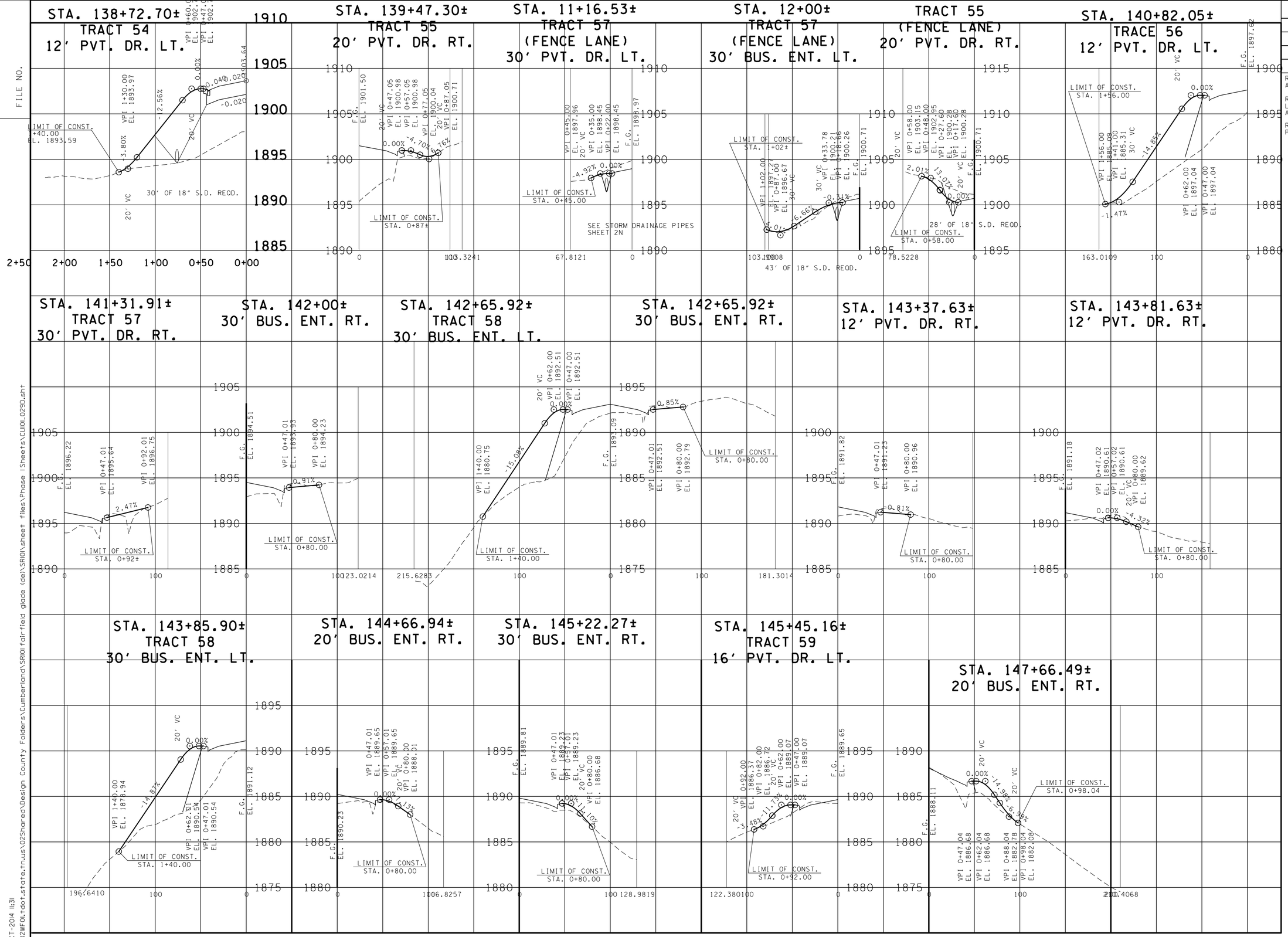
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	29D
CONST	2015	STP-101(16)	29D

REV. 5-10-12: CORRECTED WIDTH FOR DRIVE AT STA. 148+51.

REV. 09-24-12: REVISED DRIVEWAY LOCATIONS. REVISED DRIVEWAY AT STA. 138+72.70

REV. 11-26-12: ADDED PROP PIPES TO DRIVEWAYS

REV. 5-22-13: REMOVED PROP PIPES TO DRIVEWAY AT STA.139+47.30. REVISE 10' DRIVEWAYS TO 12' DRIVEWAYS PER CONST REQ. UPDATE YEAR.



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PROFILE OF PRIVATE DRIVES

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

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

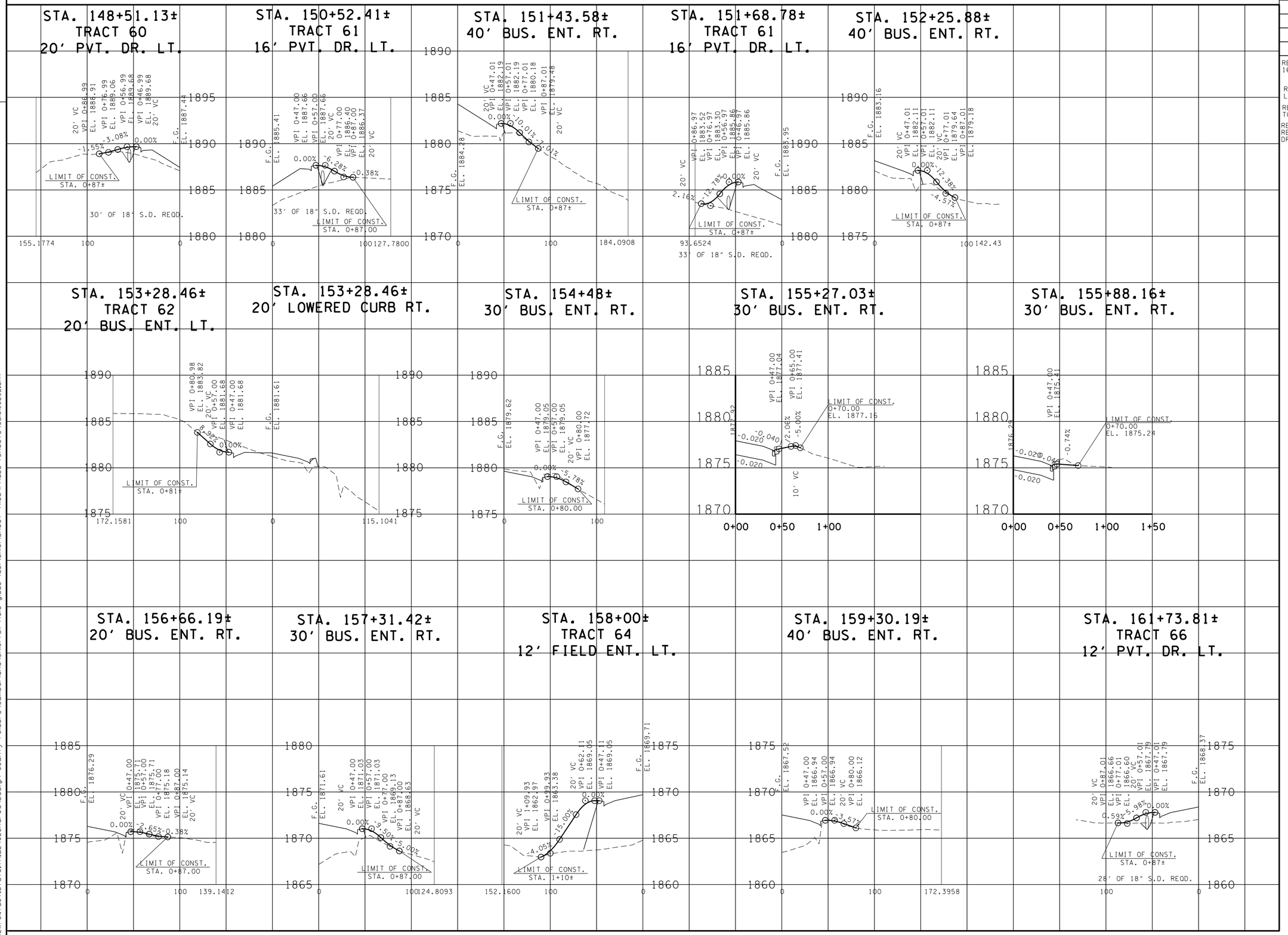
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	29E
CONST	2015	STP-101(16)	29E

REV. 5-10-12: ADDED NOTE FOR DRIVE STA. 162+33.34.

REV. 09-24-12: REVISED DRIVEWAY LOCATIONS

REV. 11-26-12: ADDED PROP PIPES TO DRIVEWAYS

REV. 5-22-13: UPDATE YEAR. REVISE 10' DRIVEWAYS TO 12' DRIVEWAYS PER CONST REQ.



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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.	2010	STP-101(16)	29F
CONST	2015	STP-101(16)	29F

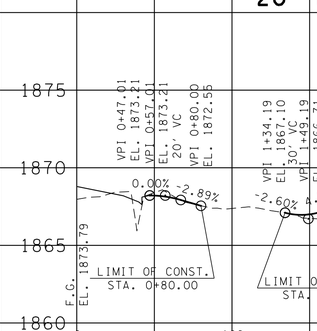
REV. 6-12-12: UPDATED PROFILE DRIVE AT STA. 167+53.34. ADDED NOTE FOR DRIVE PROFILE STA. 31+79.85.

REV.09-24-12: REVISED DRIVEWAY LOCATIONS

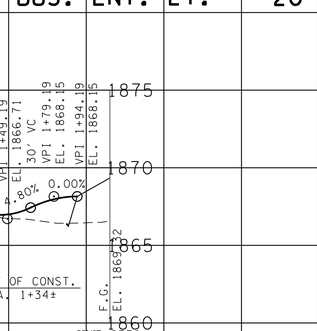
REV.11-26-12: ADDED PROP PIPES TO DRIVEWAYS.

REV.5-22-13: REVISED DRIVEWAY PROFILE AT SHORTY BARNES AND SR101 STA.164+08.97. REVISE 10' DRIVEWAYS TO 12' DRIVEWAYS PER CONST. REQ. UPDATE YEAR.

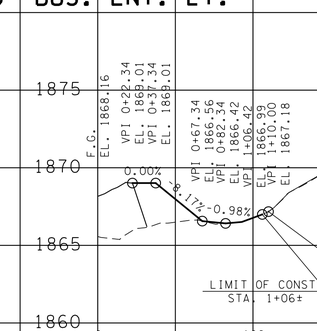
STA. 161+96.86±
TRACT 65
30' BUS. ENT. RT.



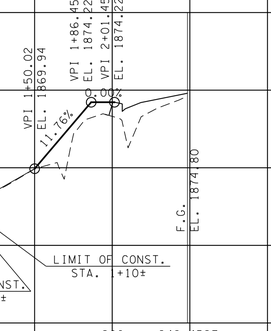
STA. 31+83.16±
(SHORTY BARNES RD.)
TRACT 65
20' BUS. ENT. LT.



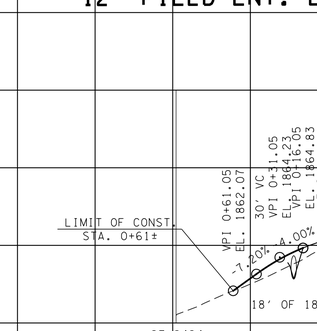
STA. 32+14.24±
(SHORTY BARNES RD.)
TRACT 68
20' BUS. ENT. LT.



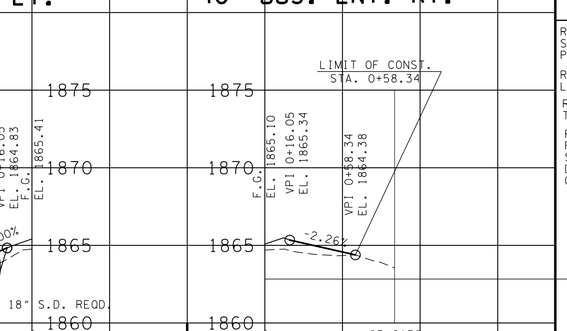
STA. 164+08.97±
TRACT 68
30' BUS. ENT. RT.



STA. 33+05.05±
(SHORTY BARNES RD.)
TRACT 69
12' FIELD ENT. LT.

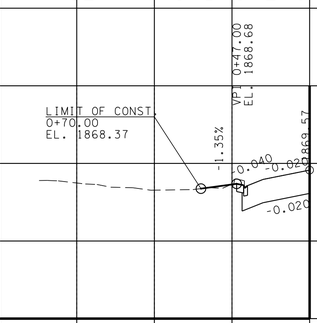


STA. 33+23.38±
(SHORTY BARNES RD.)
TRACT 65
40' BUS. ENT. RT.

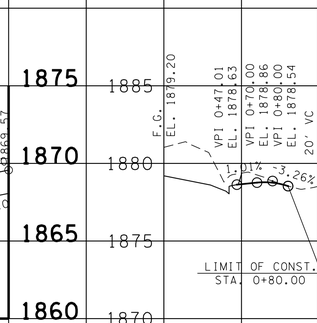


STA. 31+79.85
(FAIRVIEW DRIVE)

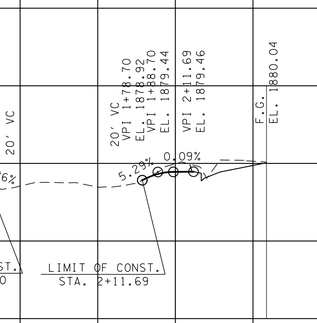
STA. 162+33.34
TRACT 66
12' PVT. DR. LT.



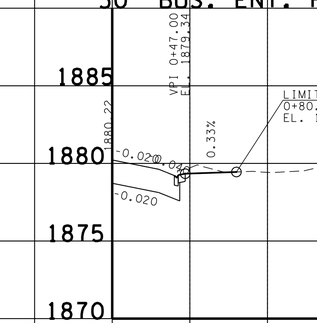
STA. 166+05.13±
30' BUS. ENT. RT.



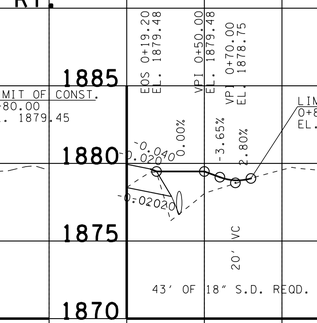
STA. 166+92.77±
30' BUS. ENT. RT.



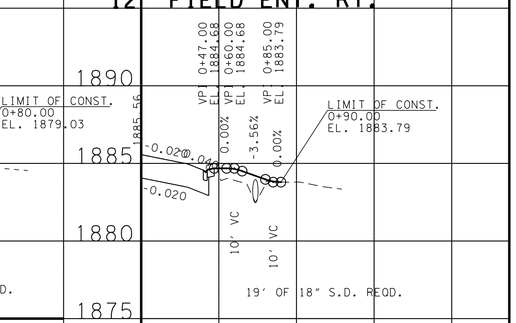
STA. 167+53.34±
TRACT 71
30' BUS. ENT. RT.



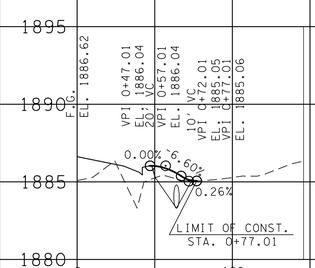
STA. 31+79.85
(FAIRVIEW DRIVE)
TRACT 71
30' BUS. ENT. RT.



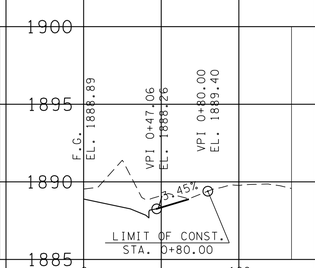
STA. 170+81.65±
TRACT 72
12' FIELD ENT. RT.



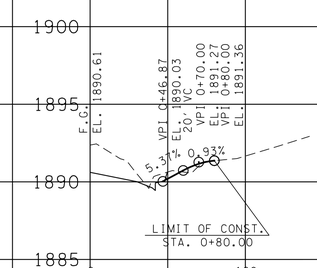
STA. 171+16.13±
20' BUS. ENT. RT.



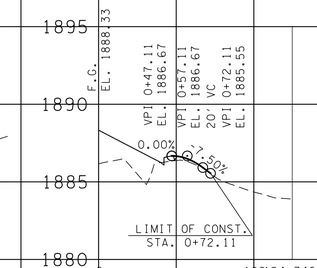
STA. 172+05.82±
20' BUS. ENT. RT.



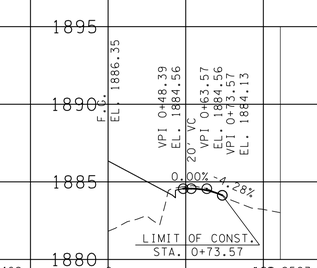
STA. 173+10±
12' FIELD ENT. RT.



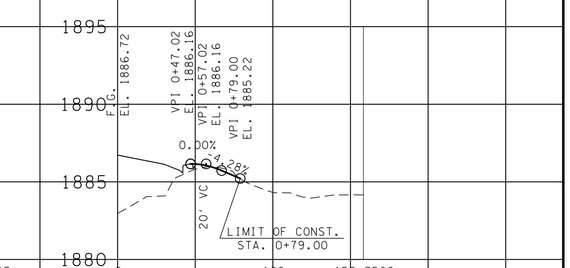
STA. 177+16.78±
40' BUS. ENT. RT.



STA. 178+58.48±
40' BUS. ENT. RT.



STA. 181+53.30±
20' BUS. ENT. RT.



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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.	2010	STP-101(16)	29G
CONST	2015	STP-101(16)	29G

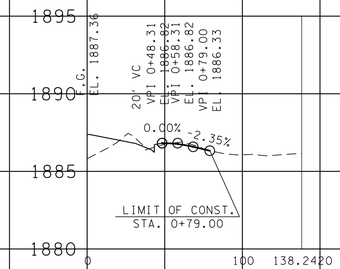
REV. 08-20-12 - ADDED PROP. PIPES TO DRIVES

REV. 09-24-12 - REVISED DRIVEWAY LOCATIONS. ADDED PROP PIPES TO FAIRVIEW ROADS DRIVEWAY.

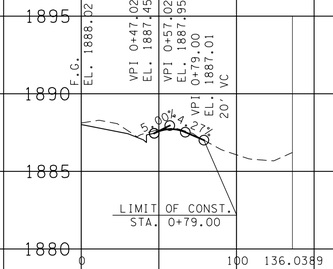
REV. 11-26-12 - ADDED PROP. PIPE TO DRIVEWAY AT STA. 187+40.86
REV. 5-22-13 - REMOVED ST.GEORGE RD PROP. DRIVEWAYS. UPDATE YEAR. REVISE 10' DRIVEWAY TO 12' DRIVEWAY PER CONST REQ.

REV. 5-29-13- REVISED DESCRIPTION ON STA. 53+59.42 AND STA. 187+40.86

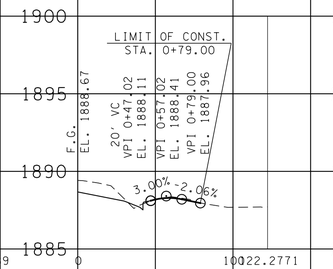
STA. 182+11.90± 30' BUS. ENT. RT.



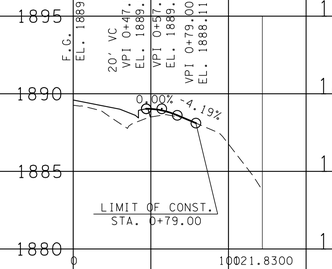
STA. 182+68.30± 20' BUS. ENT. RT.



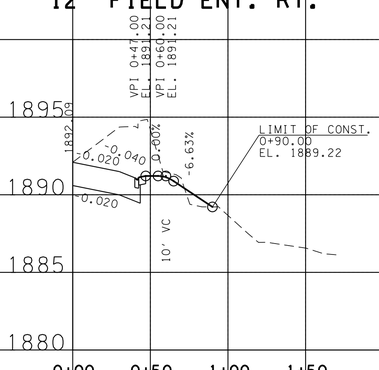
STA. 183+26.80± 40' BUS. ENT. RT.



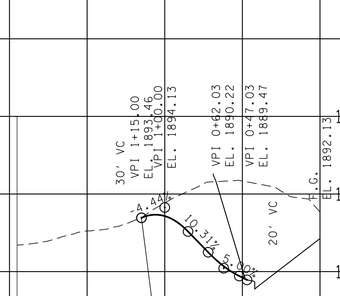
STA. 184+08.93± 40' BUS. ENT.



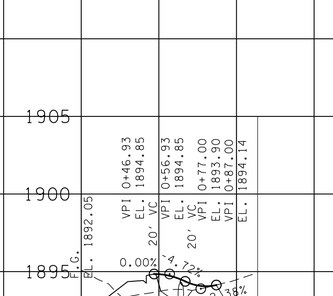
STA. 186+70.41± 12' FIELD ENT. RT.



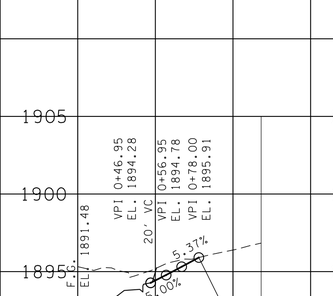
STA. 187+00.31± TRACT 74 20' PVT. DR. LT.



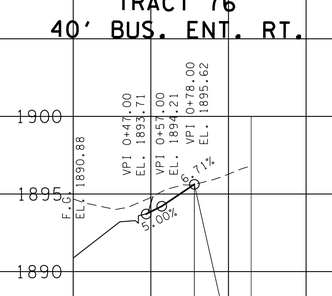
STA. 187+40.86± 40' BUS. ENT. RT



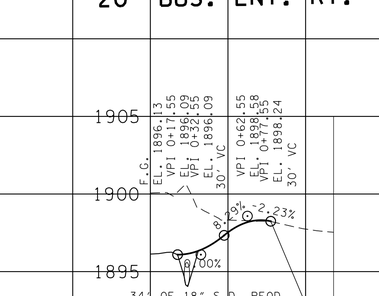
STA. 188+20.68± TRACT 141 30' BUS. ENT. RT.



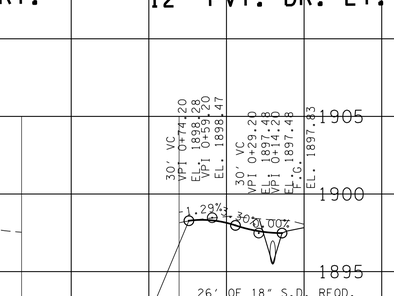
STA. 188.67.60± TRACT 76 40' BUS. ENT. RT.



STA. 52+10.38± (FAIRVIEW ROAD) TRACT 76 20' BUS. ENT. RT.

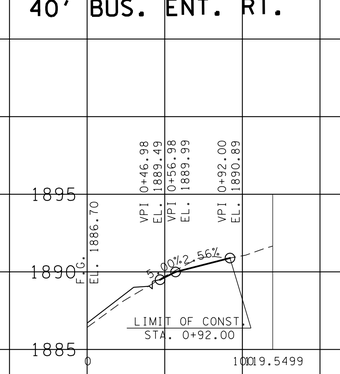


STA. 53+59.42± (FAIRVIEW ROAD) TRACT 77 12' PVT. DR. LT.

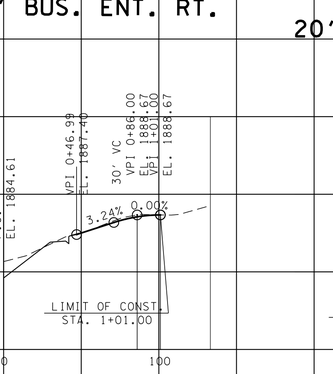


STA. 199+56.96± TRACT 80 16' PVT. DR. LT.

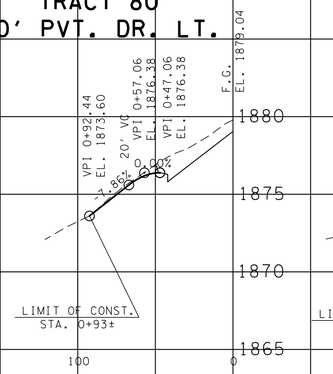
STA. 190+51.66± 40' BUS. ENT. RT.

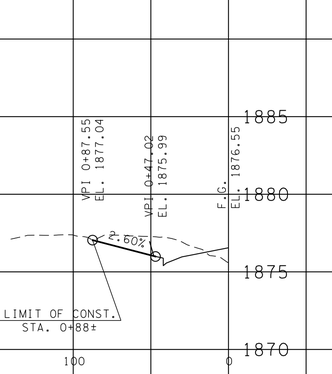


STA. 191+23.87± 40' BUS. ENT. RT.



STA. 194+79.93± TRACT 80 20' PVT. DR. LT.





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PROFILE OF PRIVATE DRIVES

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	29H
CONST	2015	STP-101(16)	29H

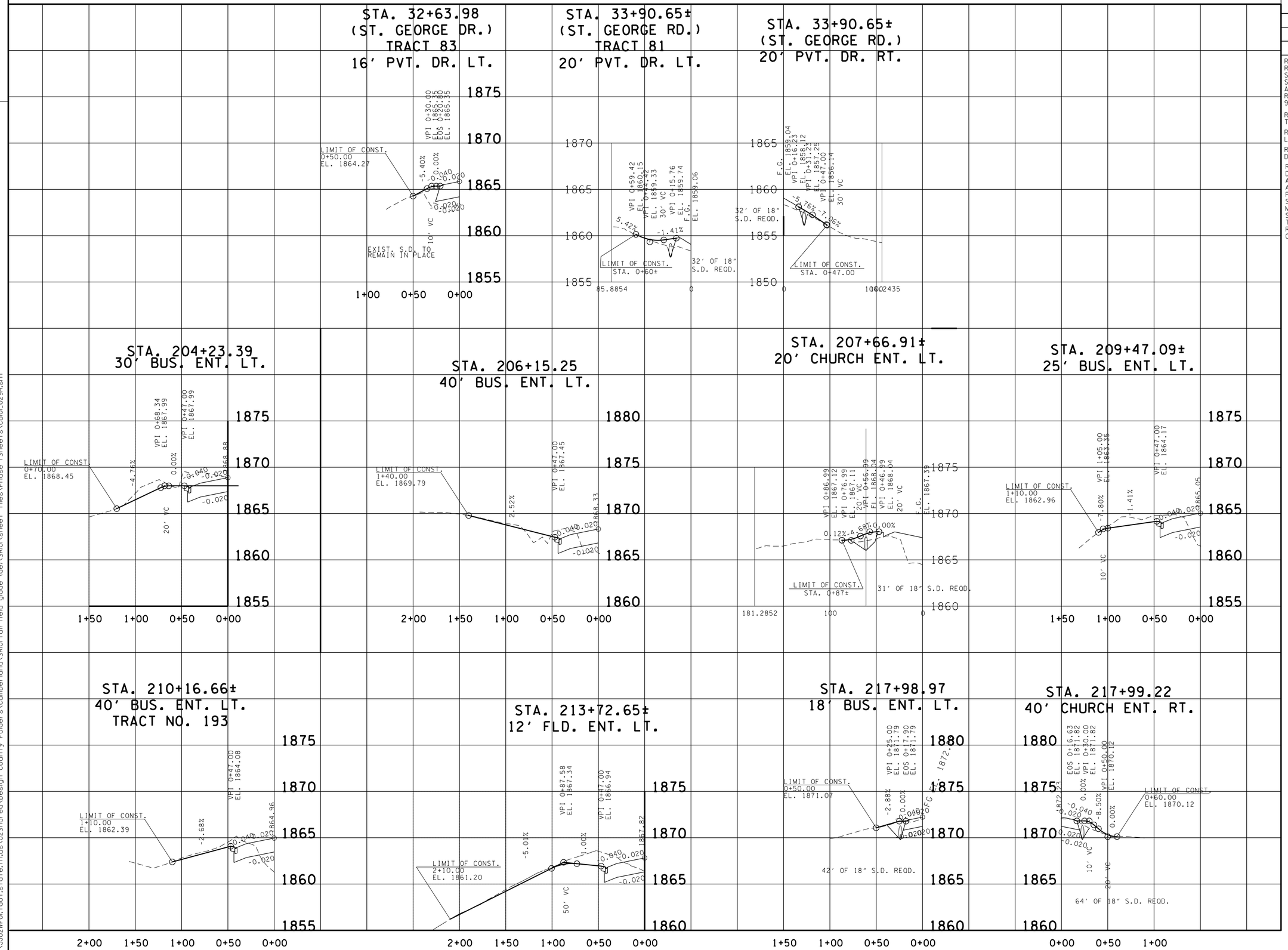
REV. 5-10-12: ADDED SHEET.
REV. 6-12-12: UPDATED PROFILE FOR DRIVE STA. 131+25.00. ADDED DRIVE PROFILES STA. 106+95.30, 107+93.90, 122+09.44, AND 31+79.85.
REV. 7-12-12: ADDED DRIVE PROFILES STA. 93+23.39 AND 204+23.39.

REV. 08-20-12: ADDED PROP. PIPES TO DRIVES

REV. 09-24-12: REVISED DRIVEWAY LOCATIONS

REV. 11-26-12: ADDED PROP PIPE TO DRIVEWAY AT STA. 207+66.91

REV. 5-22-13: REMOVED PHASE 2 DRIVEWAYS. ADDED PROP DRIVEWAY AT STA. 206+15.25, 209+47.09, 210+16.66, AND 217+99.22. UPDATE YEAR. ADDED PROP DRIVEWAY AT STA. 32+63.98(ST. GEORGE RD). MOVED ST. GEORGE RD PROP. DRIVEWAYS FROM SHEET 29G TO 29H. RENUMBERED SHEET 29G(1) TO 29H. ADDED DRIVEWAY AT STA.217-98.97. REVISE 10' DRIVEWAYS TO 12' DRIVEWAYS PE CONST REQ.



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PROFILE OF PRIVATE DRIVES

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

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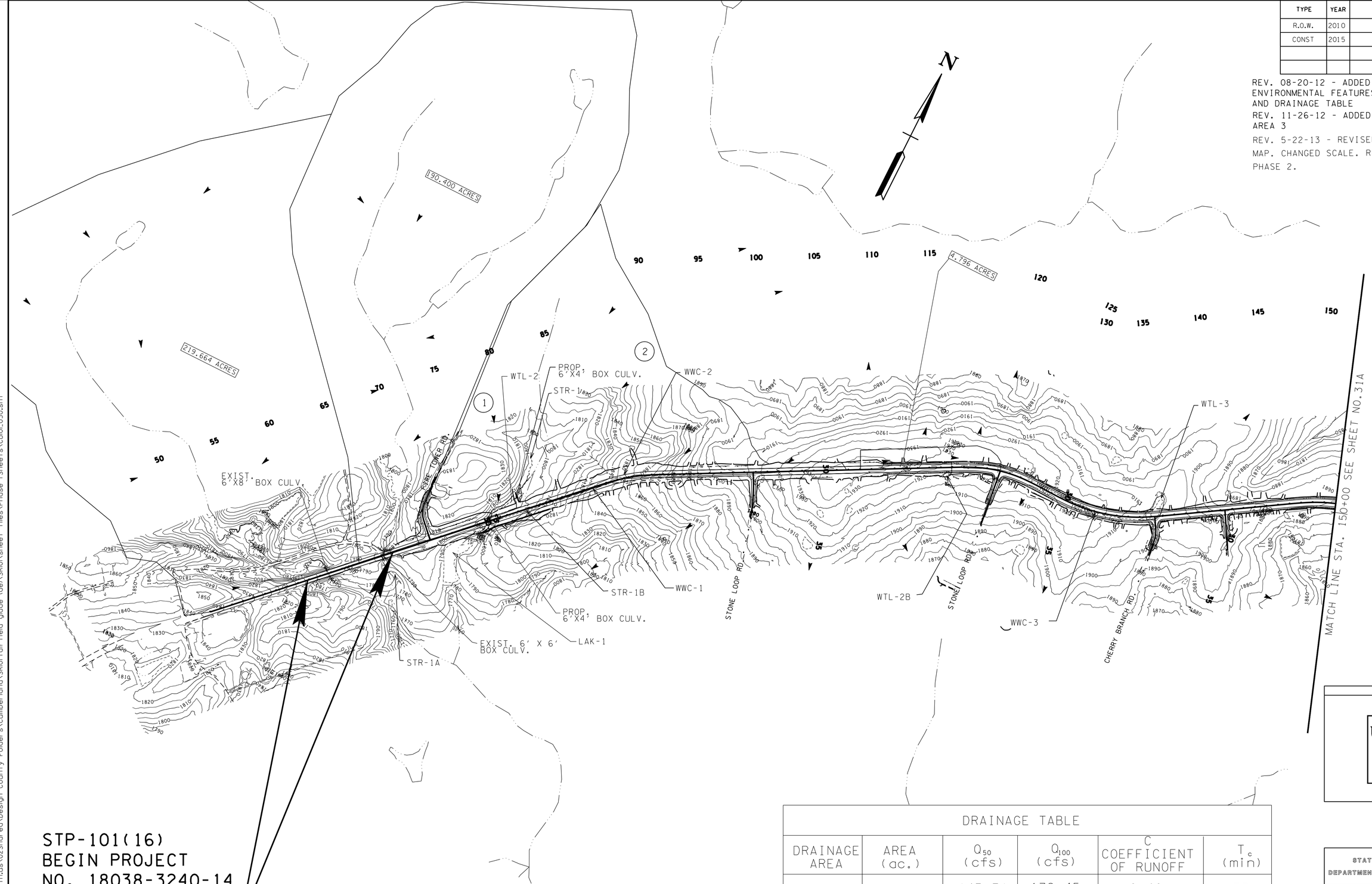
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	30
CONST	2015	STP-101(16)	30

REV. 08-20-12 - ADDED CONTOURS, ENVIRONMENTAL FEATURES, AND DRAINAGE TABLE
REV. 11-26-12 - ADDED DRAINAGE AREA 3
REV. 5-22-13 - REVISED DRAINAGE MAP. CHANGED SCALE. REMOVED PHASE 2.



STP-101(16)
BEGIN PROJECT
NO. 18038-3240-14
(CONST.)
STA. 58+86.00

STP-101(16)
BEGIN PROJECT NO. 18038-2237-14(R.O.W.)
STA. 66+54.40

DRAINAGE TABLE

DRAINAGE AREA	AREA (ac.)	Q_{50} (cfs)	Q_{100} (cfs)	C COEFFICIENT OF RUNOFF	T_c (min)
1	89.82	143.71	172.45	0.40	37
2	81.04	129.67	155.61	0.40	37
3	1.20	2.64	2.98	0.40	19

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA.58+86 TO STA.150+00
SCALE: 1"=400'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	30A
CONST	2015	STP-101(16)	30A

REV. 08-20-12 - ADDED CONTOURS AND ENVIRONMENTAL FEATURES.

REV. 11-26-12 - ADDED DRAINAGE AREA 3

REV. 5-22-13 - REVISED DRAINAGE MAP. CHANGED SCALE. REMOVED PHASE 2.

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DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA.150+00 TO STA.218+62

SCALE: 1"=400'

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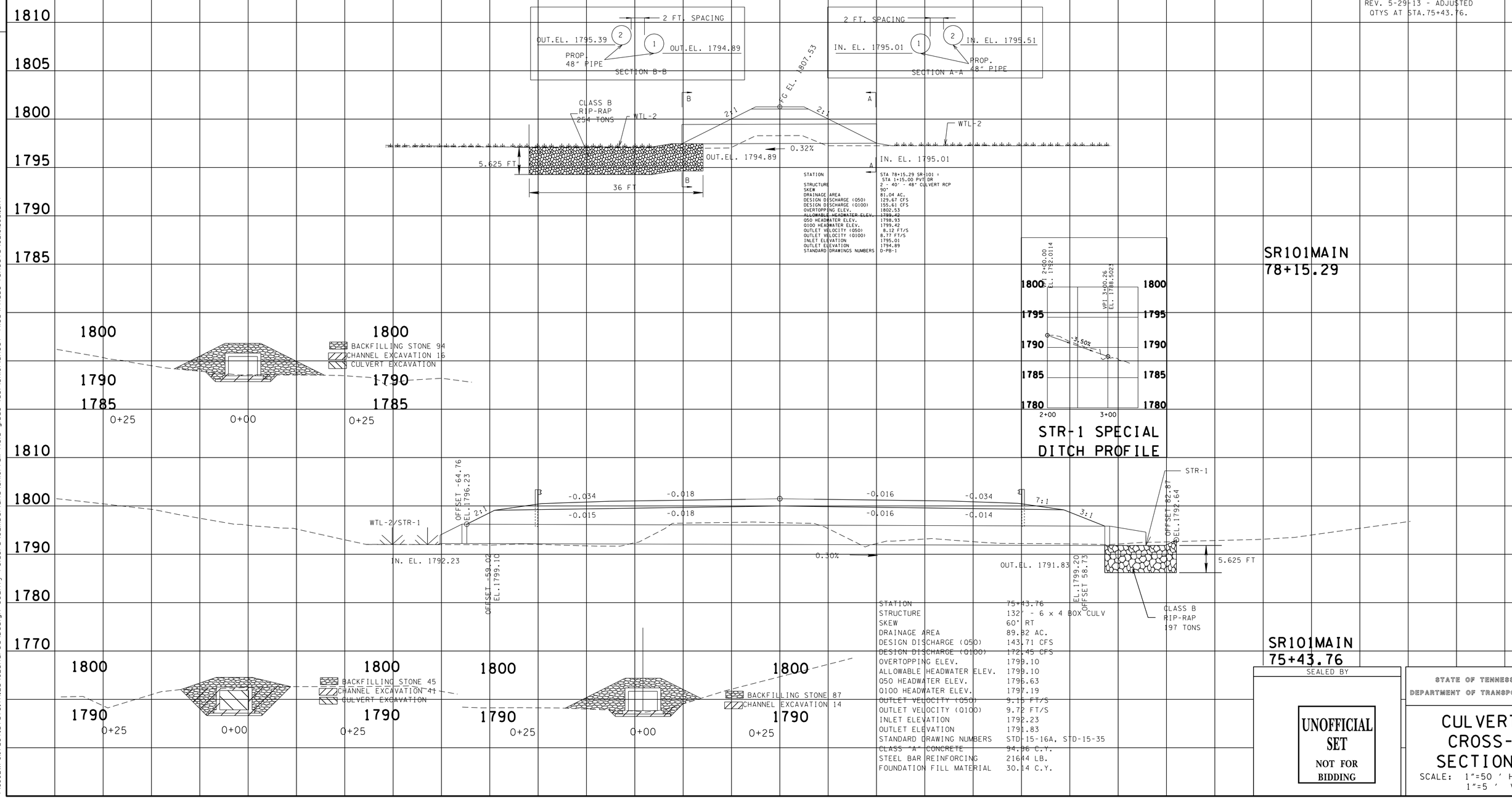
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	31
CONST	2015	STP-101(16)	31

REV. 08-20-12 - REMOVED 24" CULVERT CROSS-SECTION AND ADDED SR101 STA 75+43.76 AND SR101 STA 78+15.29 CROSS SECTION

REV. 09-24-12 - CHANGED CULV ON PRIVATE DRIVE. REVISED BOX CULV AT STA.75+43. ADDED SPECIAL DITCH PROFILE.

REV. 11-26-12 - ADDED BACKFILL CROSS SECTIONS

REV. 5-22-13 - UPDATE YEAR.
REV. 5-29-13 - ADJUSTED QTYS AT STA.75+43.76.



STATION	75+43.76
STRUCTURE	132' - 6 x 4 BOX CULV
SKEW	60° RT
DRAINAGE AREA	89.82 AC.
DESIGN DISCHARGE (Q50)	143.71 CFS
DESIGN DISCHARGE (Q100)	172.45 CFS
OVERTOPPING ELEV.	1799.10
ALLOWABLE HEADWATER ELEV.	1799.10
Q50 HEADWATER ELEV.	1796.63
Q100 HEADWATER ELEV.	1797.19
OUTLET VELOCITY (Q50)	9.15 FT/S
OUTLET VELOCITY (Q100)	9.72 FT/S
INLET ELEVATION	1792.23
OUTLET ELEVATION	1791.83
STANDARD DRAWING NUMBERS	STD-15-16A, STD-15-35
CLASS "A" CONCRETE	94.96 C.Y.
STEEL BAR REINFORCING	2164.4 LB.
FOUNDATION FILL MATERIAL	30.14 C.Y.

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CULVERT CROSS-SECTIONS

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

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION

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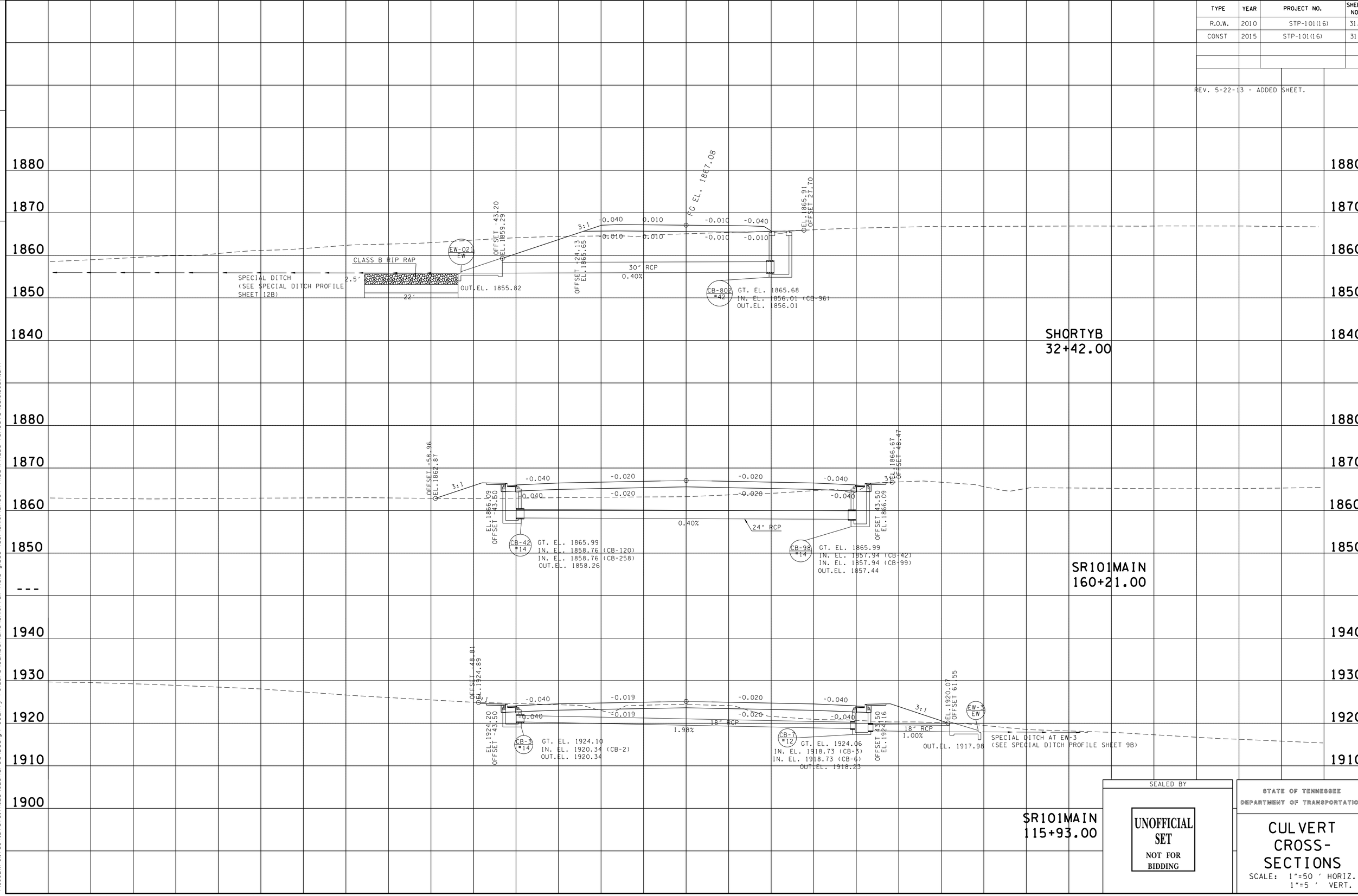
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	31A
CONST	2015	STP-101(16)	31A

REV. 5-22-13 - ADDED SHEET.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

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

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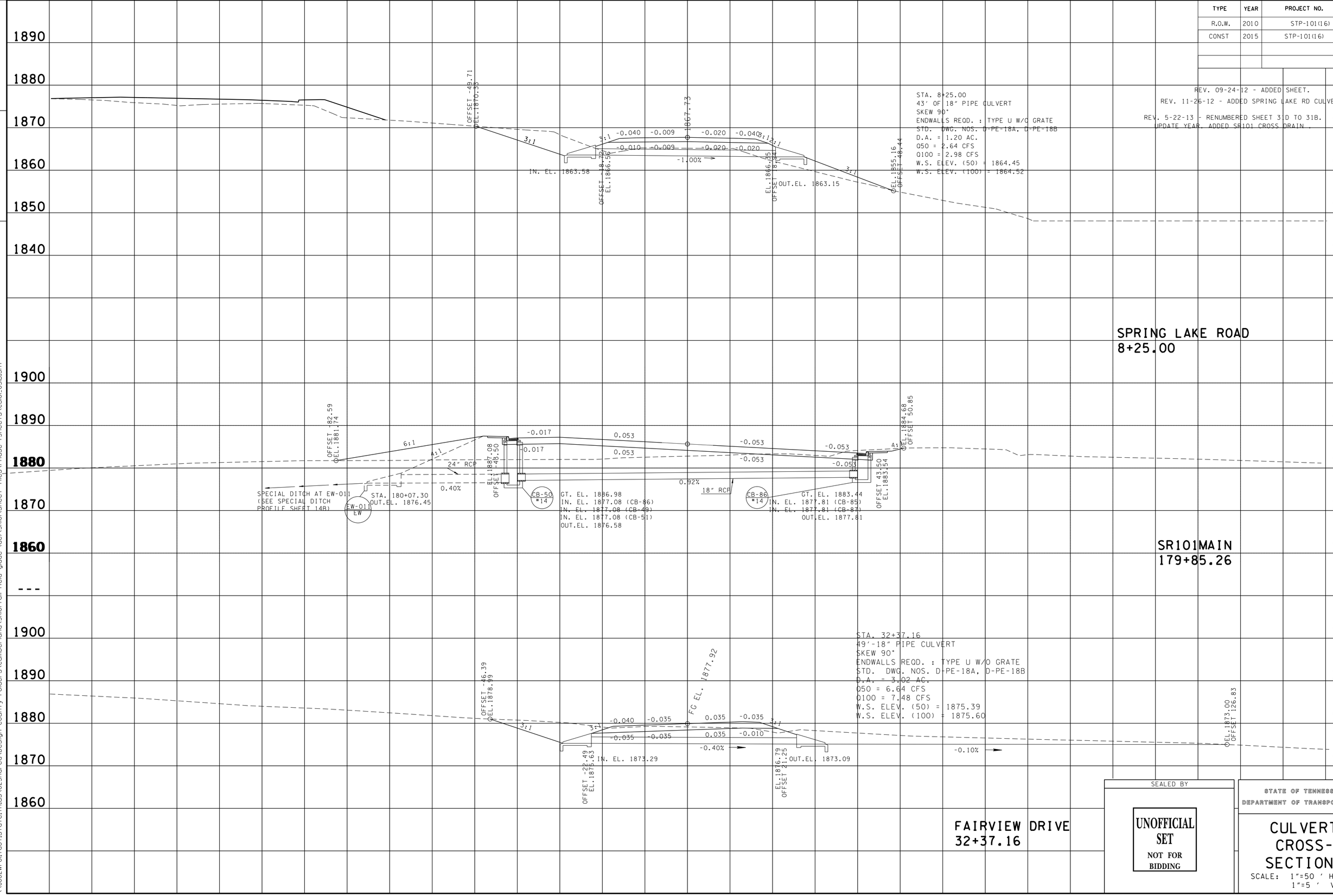
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	31B
CONST	2015	STP-101(16)	31B

REV. 09-24-12 - ADDED SHEET.
REV. 11-26-12 - ADDED SPRING LAKE RD CULVERT
REV. 5-22-13 - RENUMBERED SHEET 31D TO 31B.
UPDATE YEAR. ADDED SR101 CROSS DRAIN .

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



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DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

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

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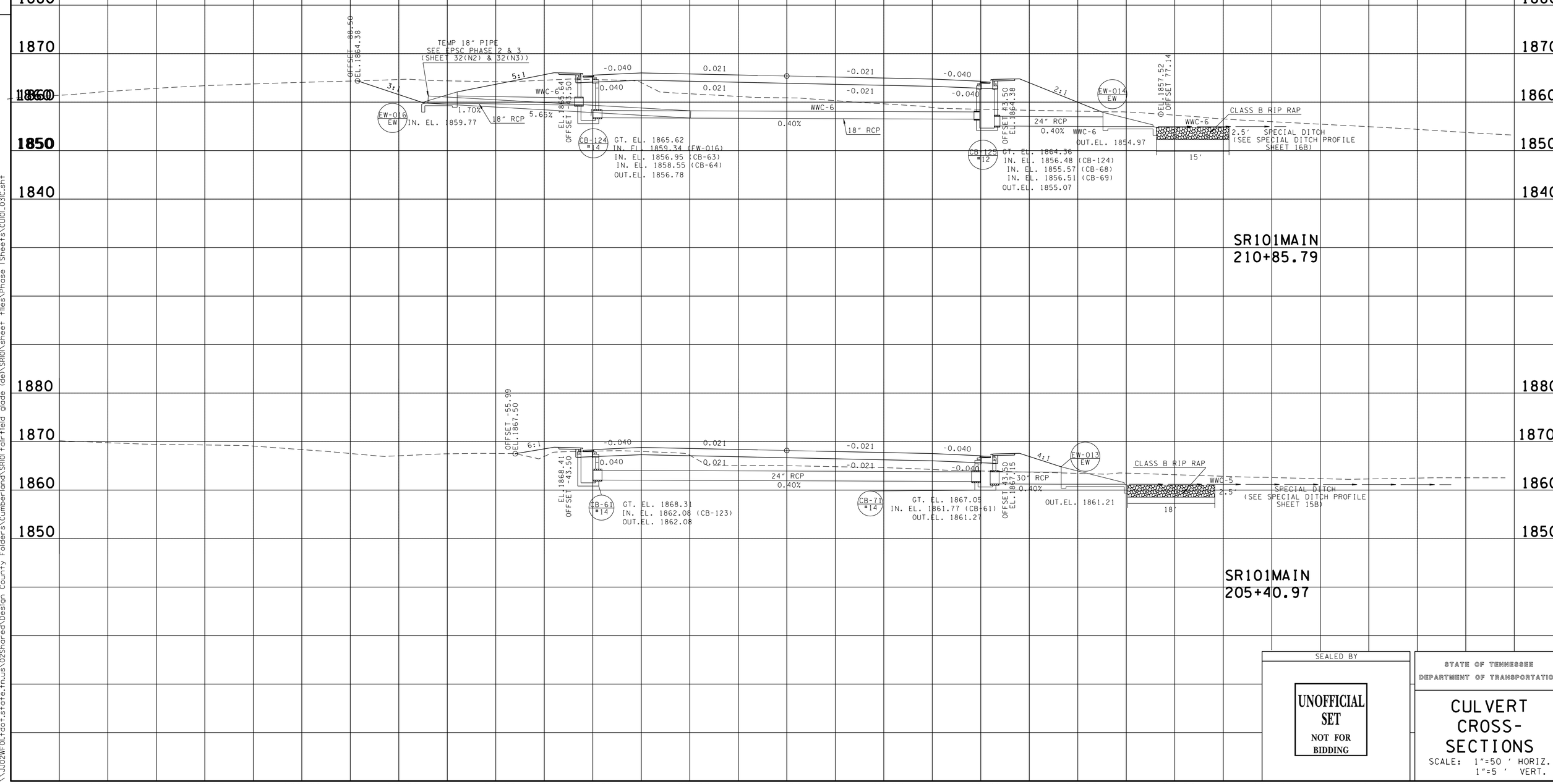
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	31C
CONST	2015	STP-101(16)	31C

REV. 5-22-13 - ADDED SHEET.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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CULVERT CROSS-SECTIONS

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

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

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.

NPDES

(3) 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.

(4) 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.

(5) 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.

(6) 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.

(7) 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.

(8) FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION SUPPORT ACTIVITIES; TDOT PROJECTS ARE COVERED UNDER THE "WASTE AND BORROW" MANUAL PER THE SSWMP.

(9) 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

(10) RAIN WATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND MAINTAINED.

(11) 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

(12) 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).

(13) 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.

(14) 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.

(15) 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.

(16) 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.

(17) 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.

(18) THE UTILITY CONTRACTOR SHALL RESTORE ALL AFFECTED WET WEATHER CONVEYANCES TO THE EXISTING TOPOGRAPHIC CONDITIONS (AS APPROVED BY THE TDOT PROJECT ENGINEER).

(19) 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.

POLYACRYLAMIDE

(22) ENSURE POLYACRYLAMIDE (PAM) EMULSIONS AND POWDERS ARE OF THE ANIONIC TYPE AND MEET THE FOLLOWING REQUIREMENTS:

(23) MEETS THE EPA AND FDA ACRYLAMIDE MONOMER LIMITS OF EQUAL TO OR GREATER THAN 0.005% ACRYLAMIDE MONOMER.

(24) HAS A DENSITY OF 10% TO 55% BY WEIGHT AND A MOLECULAR WEIGHT OF 16 TO 24 MG/MOLE.

(25) MIXTURE IS NON-COMBUSTIBLE.

(26) CONTAINS ONLY MANUFACTURER'S RECOMMENDED ADDITIVES.

(27) PAM SHALL BE MIXED AND APPLIED IN ACCORDANCE WITH ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) MATERIAL SAFETY DATA SHEET (MSDS) REQUIREMENTS AND THE MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIED USES CONFORMING TO ALL FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS.

(28) ALL VENDERS AND SUPPLIERS OF PAM, PAM MIX, OR PAM BLENDS SHALL PRESENT OR SUPPLY A WRITTEN TOXICITY REPORT WHICH VERIFIES THAT THE PAM, PAM MIX, PAM BLEND EXHIBITS ACCEPTABLE TOXICITY PARAMETERS WHICH MEET OR EXCEED THE EPA REQUIREMENTS FOR THE STATE AND FEDERAL WATER QUALITY STANDARDS. WHOLE EFFLUENT TESTING DOES NOT MEET THIS REQUIREMENT AS PRIMARY REACTIONS HAVE OCCURRED AND TOXIC POTENTIALS HAVE BEEN REDUCED. CATIONIC FORMS OF PAM ARE NOT ALLOWED FOR UNDER THIS GUIDELINE DUE TO THEIR HIGH LEVELS OF TOXICITY TO AQUATIC ORGANISMS. PAM EMULSIONS SHALL NEVER BE APPLIED DIRECTLY TO STORMWATER RUNOFF OR RIPARIAN WATERS DUR TO SURFACTANT TOXICITY. CONTRACTOR MUST SEEK THE APPROVAL OF THE EPSC DESIGN ENGINEER AND TDOT IF CHITOSAN IS PROPOSED FOR USE ON THIS PROJECT.

(29) ALL VENDORS AND SUPPLIERS OF PAM, PAM MIX, OR PAM BLENDS SHALL SUPPLY WRITTEN "SITE SPECIFIC" TESTING RESULTS DEMONSTRATING THAT A PERFORMANCE OF 95% OR GREATER REDUCTION OF NTU OR TSS FROM STORMWATER DISCHARGES.

(30) EMULSION BATCHES SHALL BE MIXED FOLLOWING RECOMMENDATIONS OF A TESTING LABORATORY THAT DETERMINES THE PROPER PRODUCT AND RATE TO MEET SITE REQUIREMENTS. APPLICATION METHOD SHALL ENSURE UNIFORM COVERAGE TO THE TARGET AREA. EMULSIONS SHALL NEVER BE APPLIED DIRECTLY TO STORMWATER RUNOFF OR RIPARIAN WATERS.

(31) PAM POWDER MAY BE APPLIED BY A HAND SPREADER OR A MECHANICAL SPREADER. MIXING PAM POWDER WITH DRY ~~DILICA~~ SILICA SAND WILL AID IN SPREADING.

(32) PREMIXING OF PAM POWDER INTO FERTILIZER, SEED, OR OTHER SOIL AMENDMENTS IS ALLOWED WHEN SPECIFIED IN THE DESIGN PLAN. APPLICATION METHOD SHALL ENSURE UNIFORM COVERAGE TO THE TARGET AREA.

(33) PAM LOGS OR BLOCKS SHALL BE APPLIED FOLLOWING SITE TESTING RESULTS TO ENSURE PROPER PLACEMENT AND PERFORMANCE AND SHALL MEET OR EXCEED STATE AND FEDERAL WATER QUALITY REQUIREMENTS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32
CONST	2015	STP-101(16)	32

REV. 08-20-12 - UPDATED EPSC NOTES.

REV. 5-22-13 - UPDATED EPSC NOTES. UPDATE YEAR.

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EROSION PREVENTION AND SEDIMENT CONTROL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(1A)
CONST	2015	STP-101(16)	32(1A)

REV 11-26-12- ADDED SHEET
REV 5-22-13- UPDATE SHEET. UPDATE YEAR.

EPSC QUANTITIES

PHASE	203-01 (C.Y.)	209-02.07 (L.F.)	209-05 (C.Y.)	209-08.02 (L.F.)	209-08.03 (L.F.)	209-08.07 (EACH)	209-08.08 (EACH)	209-09.01 (BAG)	209-09.03 (EACH)	209-09.41 (EACH)	209-09.43 (EACH)	209-20.03 (S.Y.)	209-40.41 (L.F.)	209-40.42 (L.F.)	209-40.45 (L.F.)	209-40.46 (L.F.)	209-40.47 (L.F.)	209-65.03 (L.F.)	303-10.01 (TON)	621-03.02 (L.F.)	621-03.03 (L.F.)	621-03.04 (L.F.)	707-08.11 (L.F.)	709-05.05 (TON)	709-05.06 (TON)	740-10.03 (S.Y.)	740-11.03 (L.F.)	805-12.02 (S.Y.)
	PAY ITEMS																											
1	50			948	17705	7	25									2	2		4	0			578	250	23	1051	1229	
2	1531		1453	888	11790	1	20		1				13	8	1	44	20	237	437	224		220	1266	550	1670	4914	4747	
3	2379	154	1797	942	8201	9	25	1174	2	27	46	81	1	2		38	16	194	290	254	34		147	557	1396	4658	5034	1197
4	283		269	875	1500	3	18		1		131			2			1		42				510	100	227	710	2520	8765
TOTALS	**4244**	**154**	**3519**	**3653**	**39196**	**20**	**88**	**1174**	**4**	**27**	**177**	**81**	**14**	**12**	**1**	**84**	**39**	**431**	**773**	**478**	**34**	**220**	**2501**	**1457**	**3316**	**11332**	**13530**	**9962**

EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	4244
209-02.07	18" TEMPORARY SLOPE DRAIN	L.F.	154
209-05	SEDIMENT REMOVAL	C.Y.	3519
209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	3653
209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	39196
209-08.07	ROCK CHECK DAM	EACH	20
209-08.08	ENHANCED ROCK CHECK DAM	EACH	88
209-09.01	SANDBAGS	BAG	1761
209-09.03	SEDIMENT FILTER BAG (15' X 15')	EACH	4
209-09.21	POLYACHLAMIDE GEL LOGS	EACH	886
209-09.22	POLYACHLAMIDE POWDER	LB.	4898
209-09.41	CURB INLET PROTECTION (TYPE 2)	EACH	27
209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	177
209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.	122
209-40.41	CATCH BASIN FILTER ASSEMBLY(TYPE 1)	EACH	14
209-40.42	CATCH BASIN FILTER ASSEMBLY(TYPE 2)	EACH	12
209-40.45	CATCH BASIN FILTER ASSEMBLY(TYPE 5)	EACH	1
209-40.46	CATCH BASIN FILTER ASSEMBLY(TYPE 6)	EACH	84
209-40.47	CATCH BASIN FILTER ASSEMBLY(TYPE 7)	EACH	39
209-65.03	TEMPORARY DIVERSION CHANNEL	L.F.	431
303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	773
621-03.02	18" TEMPORARY DRAINAGE PIPE	L.F.	478
621-03.03	24" TEMPORARY DRAINAGE PIPE	L.F.	34
621-03.04	30" TEMPORARY DRAINAGE PIPE	L.F.	220
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	2501
709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	1457
709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	3316
740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	11332
740-11.03	TEMPORARY SEDIMENT TUBE 18IN (DESCRIPTION)	L.F.	13530
805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.	9962

ALL QUANTITIES ARE TO BE USED AS DIRECTED BY ENGINEER.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB SFB SFB SFB	SEDIMENT FILTER BAG	EC-STR-2
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
TCP	TEMPORARY CULVERT CROSSING (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-25
	TEMPORARY SLOPE DRAIN WITH TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	TEMPORARY DIVERSION CHANNEL (DESCRIBE-SIZE AND TYPE OF LINING)	EC-STR-31
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
	SAND BAG BERM	EC-STR-33
	SUSPENDED PIPE DIVERSION	EC-STR-33 EC-STR-33A
	EROSION CONTROL BLANKET	EC-STR-34
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
2	CURB INLET PROTECTION (TYPE 2)	EC-STR-39
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A
1	CATCH BASIN FILTER ASSEMBLY (TYPE 1)	EC-STR-41
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
5	CATCH BASIN FILTER ASSEMBLY (TYPE 5)	EC-STR-45
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

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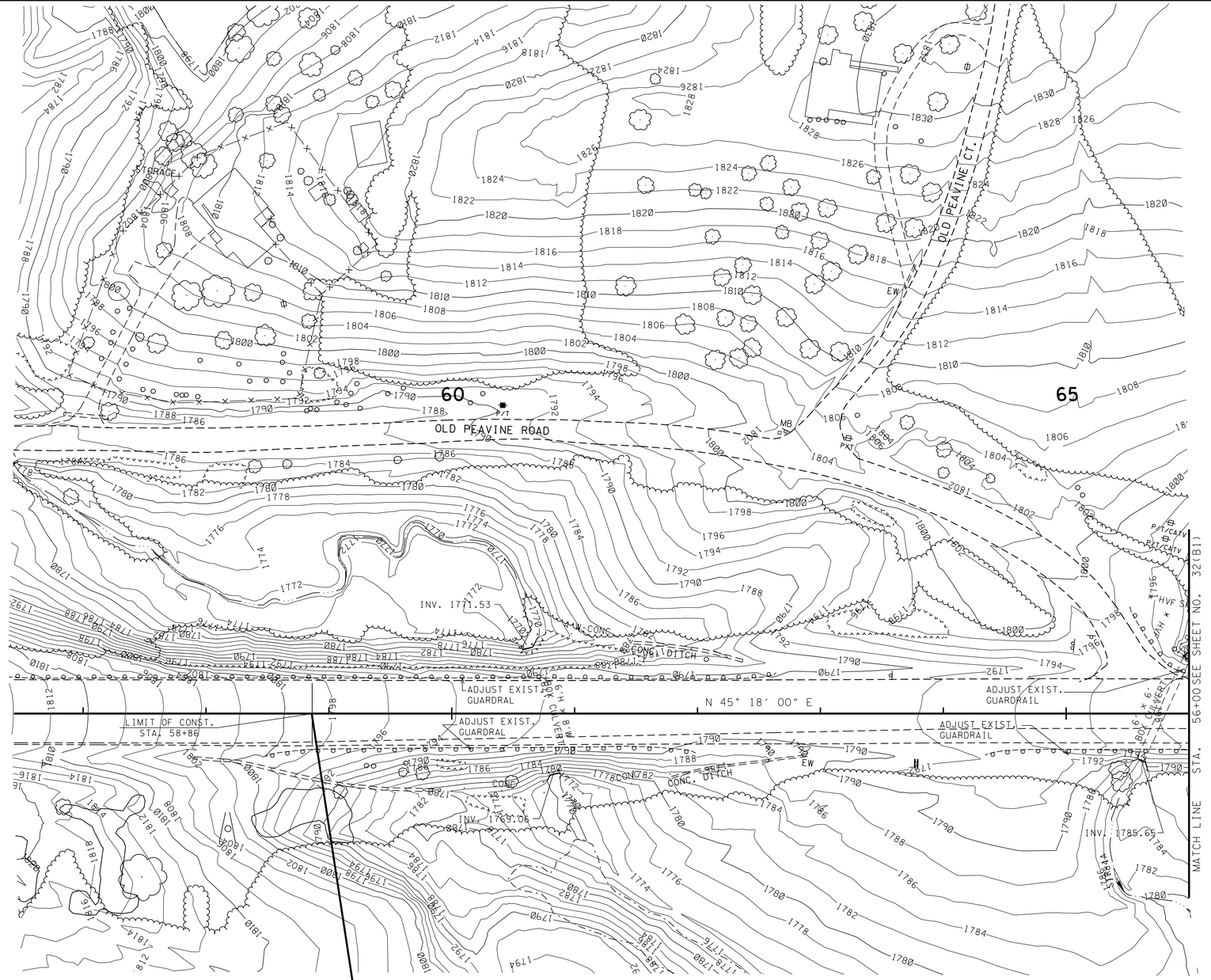
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(A1)
CONST	2015	STP-101(16)	32(A1)

REV. 5-22-13 - ADDED SHEET.



STP-101(16)
BEGIN PROJECT NO. 18038-3240-14 (CONST.)
STA. 58+86.00

CLEARING & GRUBBING-PHASE 1
EXISTING GROUND CONTOURS SHOWN

SEALED BY

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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. 56+00 TO STA. 66+00
SCALE: 1"= 50'

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

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-1	0.09	10.00
OUT-4	4.40	5.00
OUT-5	3.00	2.00

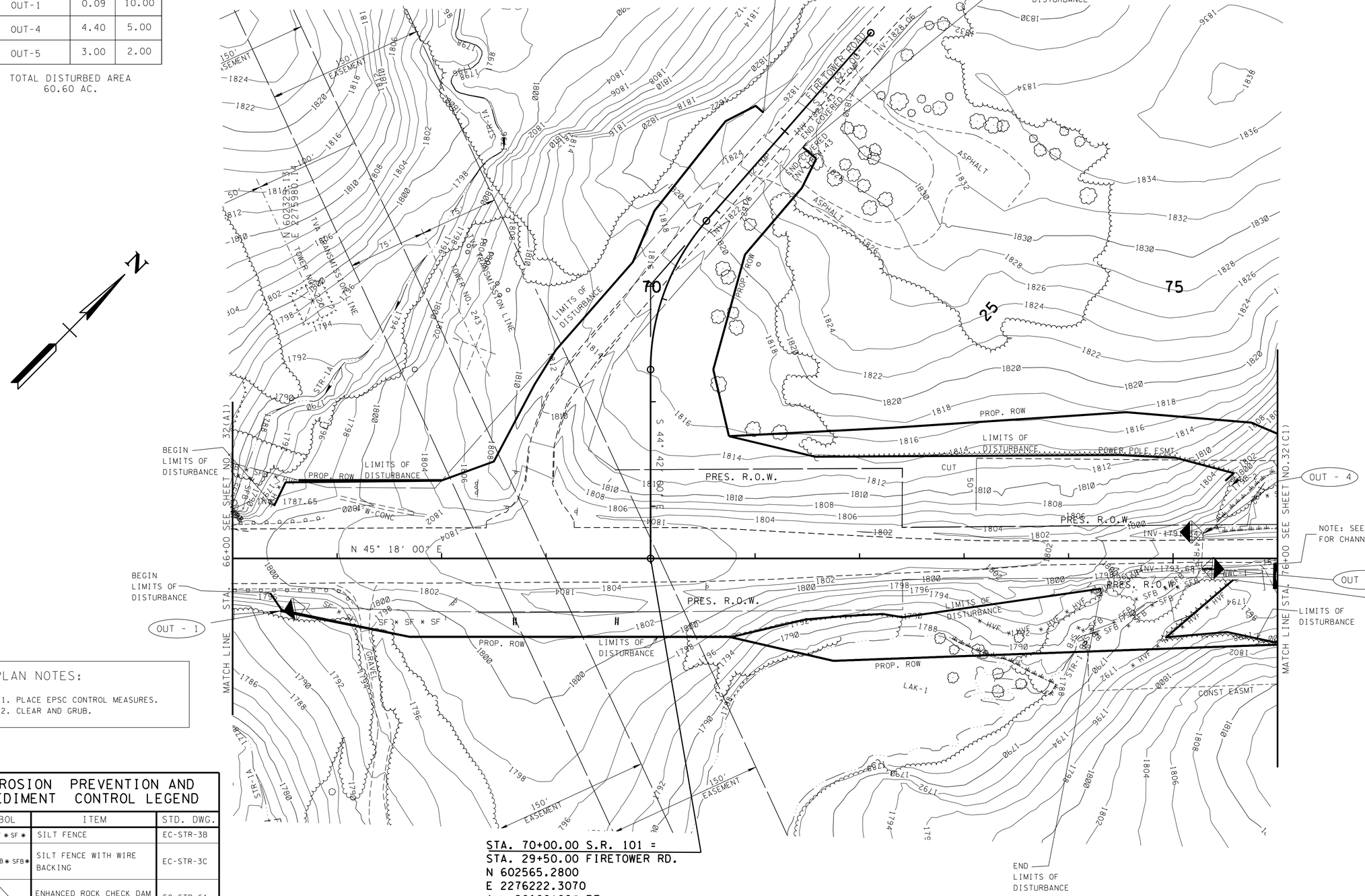
TOTAL DISTURBED AREA
60.60 AC.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(B1)
CONST	2015	STP-101(16)	32(B1)

REV. 11-26-12 - UPDATED EPSC PLANS

REV. 11-30-12 - UPDATED OUTFALLS AND ADDED OUTFALL TABLE.

REV. 5-22-13 - ADDED SHEET.



PLAN NOTES:

1. PLACE EPSC CONTROL MEASURES.
2. CLEAR AND GRUB.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 66+00 TO STA. 76+00
SCALE: 1"= 50'

CLEARING & GRUBBING-PHASE 1
EXISTING GROUND CONTOURS SHOWN

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TENNESSEE D.O.T.
DESIGN DIVISION

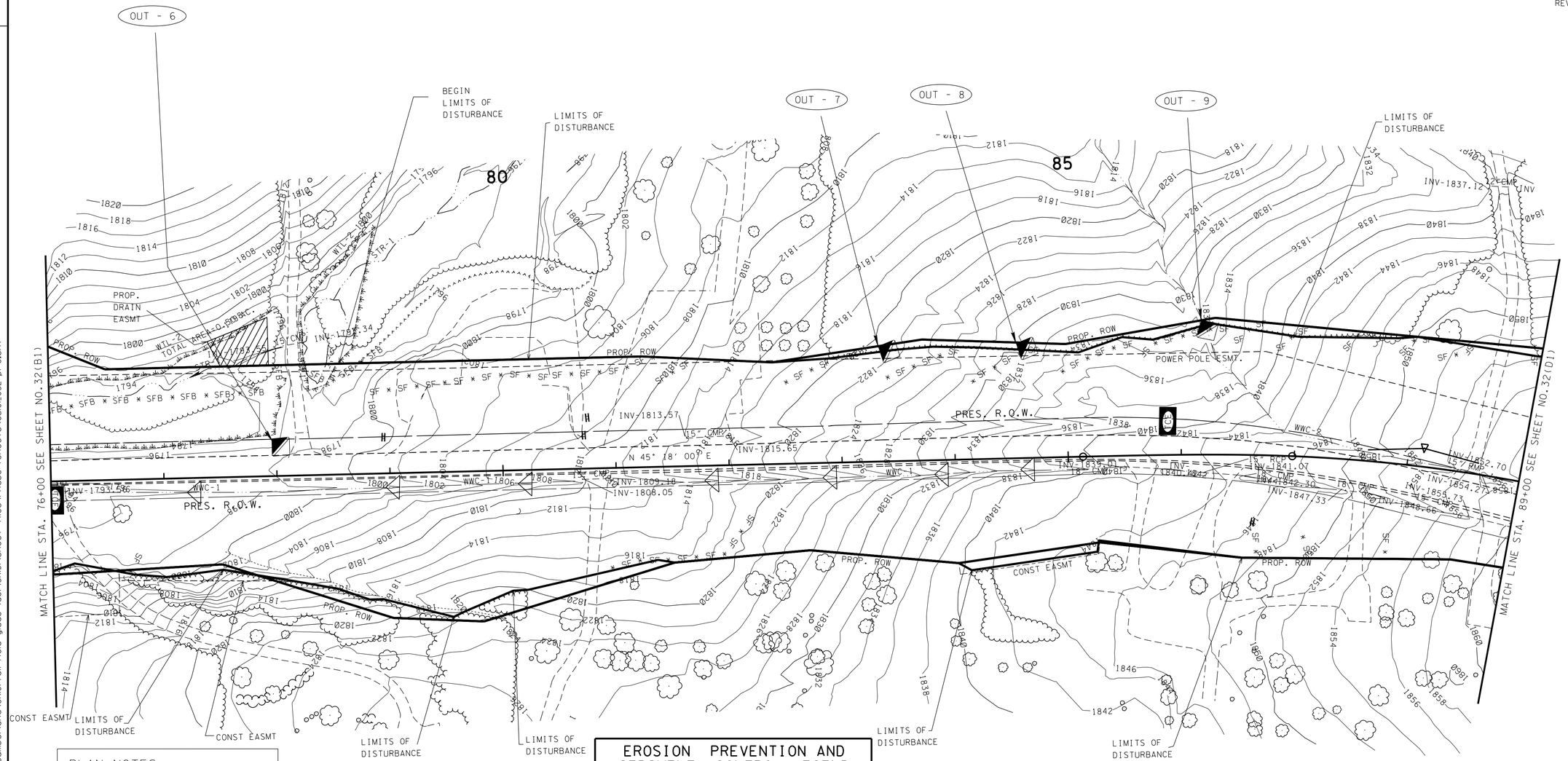
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(C1)
CONST	2015	STP-101(16)	32(C1)

REV. 11-26-12- UPDATED EPSC PLAN

REV. 11-30-12 - UPDATED OUTFALLS AND ADDED OUTFALL TABLE.

REV. 5-22-13 - ADDED SHEET.



PLAN NOTES:

1. PLACE EPSC CONTROL MEASURES.
2. CLEAR AND GRUB.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-6	0.03	4.00
OUT-7	0.23	10.00
OUT-8	0.06	10.00
OUT-9	0.90	10.00

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

CLEARING & GRUBBING-PHASE 1
EXISTING GROUND CONTOURS SHOWN

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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. 76+00 TO STA. 89+00

SCALE: 1"= 50'

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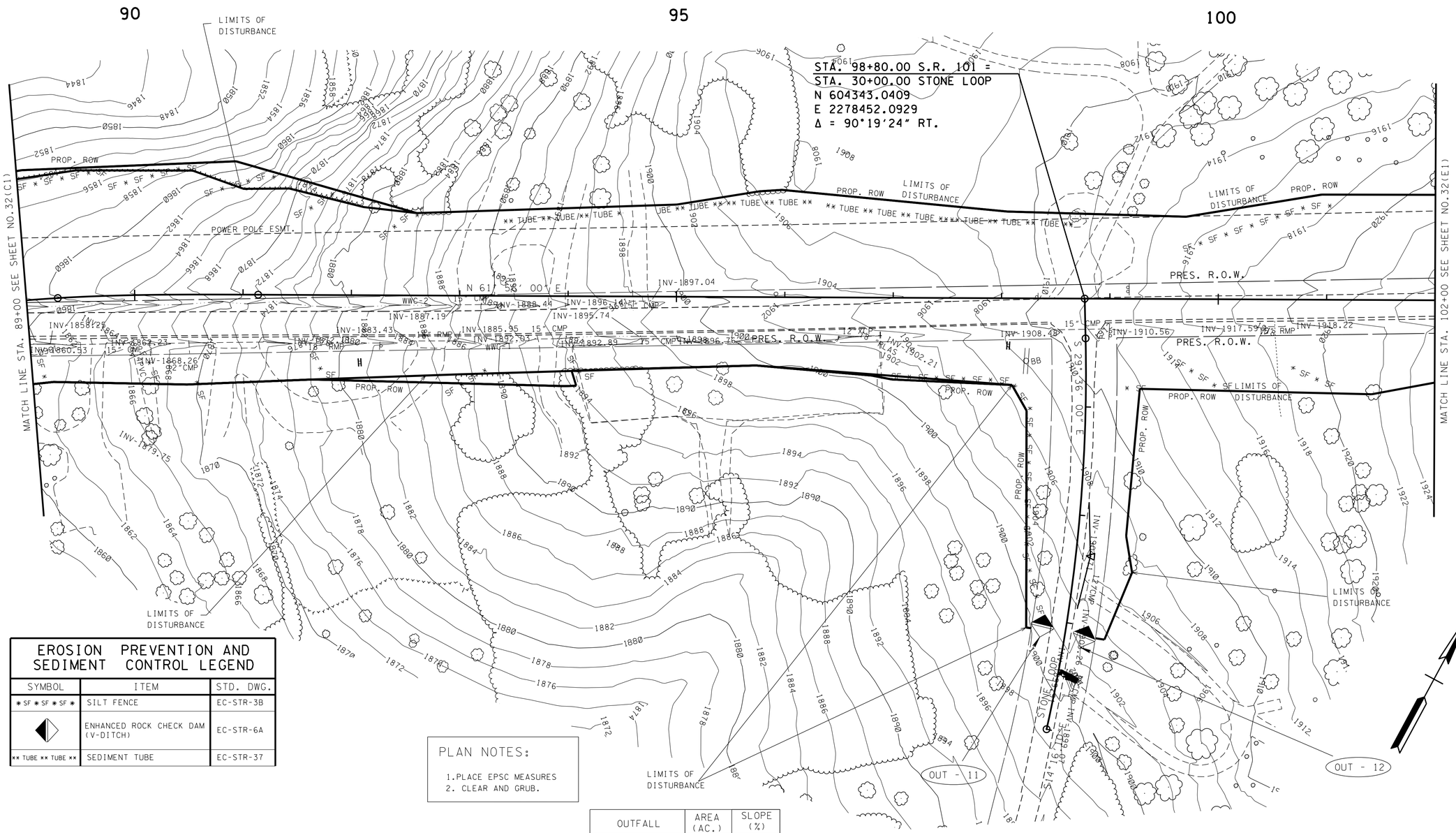
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(D1)
CONST	2015	STP-101(16)	32(D1)

REV. 11-26-12 - UPDATED EPSC PLANS

REV. 11-30-12 - UPDATED OUTFALLS AND ADDED OUTFALL TABLE.

REV. 5-22-13 - ADDED SHEET.



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

PLAN NOTES:

1. PLACE EPSC MEASURES
2. CLEAR AND GRUB.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-11	0.03	5.00
OUT-12	0.08	2.85

CLEARING & GRUBBING-PHASE 1
EXISTING GROUND CONTOURS SHOWN

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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. 89+00 TO STA. 102+00
SCALE: 1"= 50'

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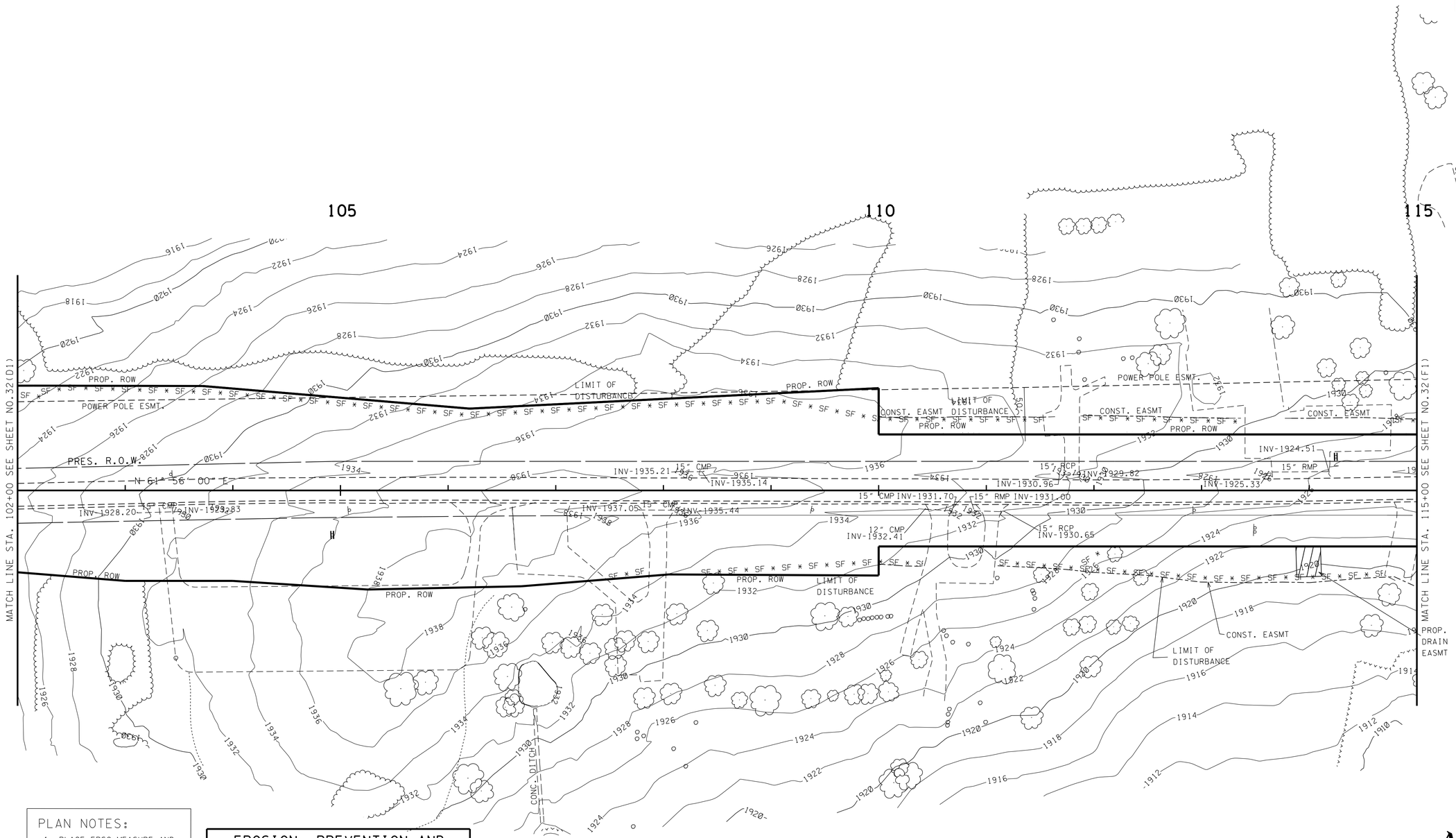
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2010	STP-101(16)	32(E1)
CONST	2015	STP-101(16)	32(E1)

REV. 11-26-12 - UPDATED EPSC PLANS

REV. 11-30-12 - UPDATED OUTFALLS AND ADDED OUTFALL TABLE.

REV. 5-22-13 - ADDED SHEET.



PLAN NOTES:

1. PLACE EPSC MEASURE AND THEN CLEAR AND GRUB.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B

N

CLEARING & GRUBBING-PHASE 1
EXISTING GROUND CONTOURS SHOWN

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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. 102+00 TO STA. 115+00

SCALE: 1"= 50'

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

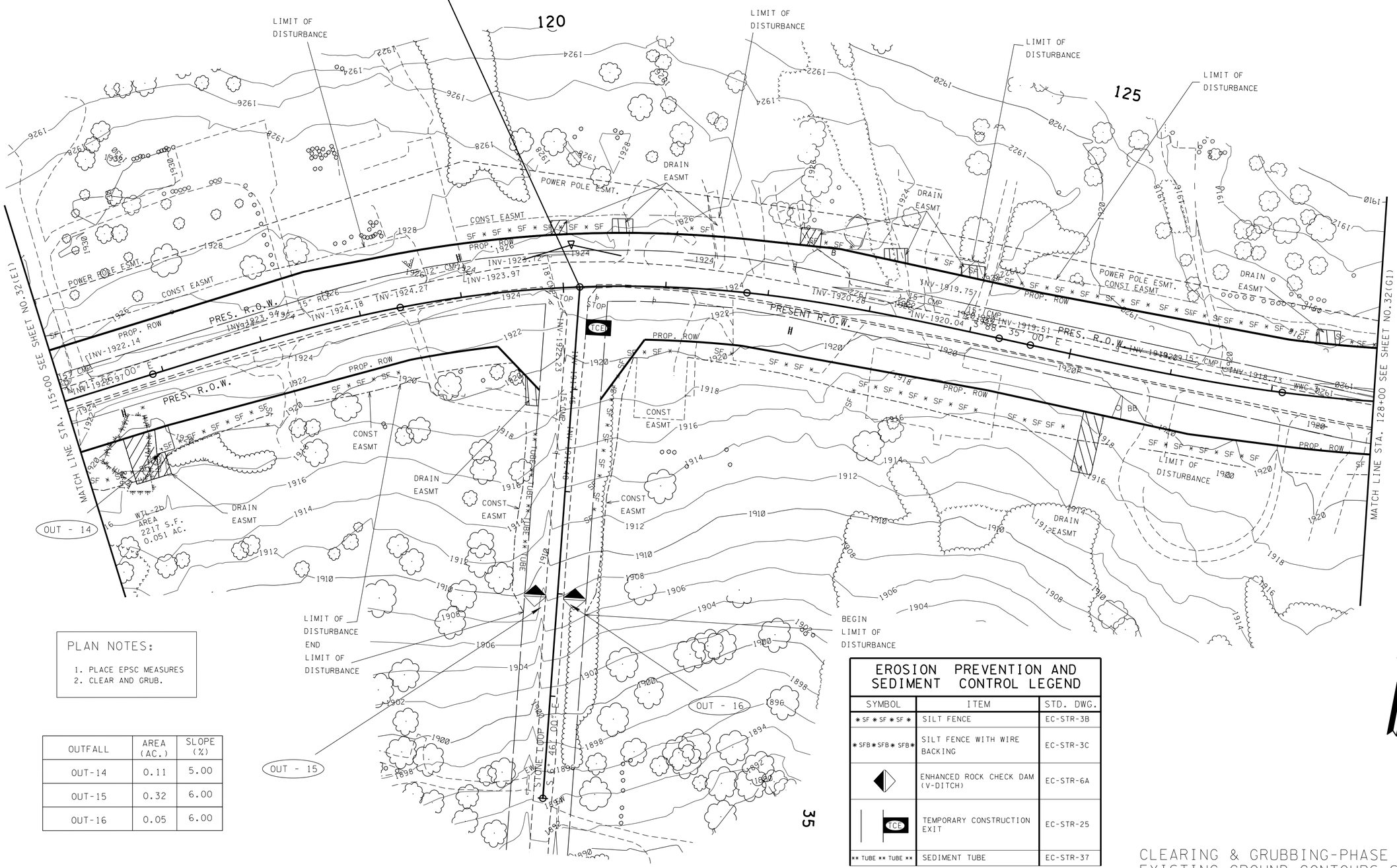
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2010	STP-101(16)	32(F1)
CONST	2015	STP-101(16)	32(F1)

REV. 7-27-12 - ADDED SPECIAL DITCH AT STA. 123+30.

REV. 11-26-12 - UPDATED EPSC PLANS

REV. 11-30-12 - UPDATED OUTFALLS AND ADDED OUTFALL TABLE.

REV. 5-22-13 - ADDED SHEET.



PLAN NOTES:

1. PLACE EPSC MEASURES
2. CLEAR AND GRUB.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-14	0.11	5.00
OUT-15	0.32	6.00
OUT-16	0.05	6.00

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

CLEARING & GRUBBING-PHASE 1
EXISTING GROUND CONTOURS SHOWN

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 115+00 TO STA. 128+00

SCALE: 1"= 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2010	STP-101(16)	32(G1)
CONST	2015	STP-101(16)	32(G1)

REV. 11-26-12 - UPDATE EPSC PLANS

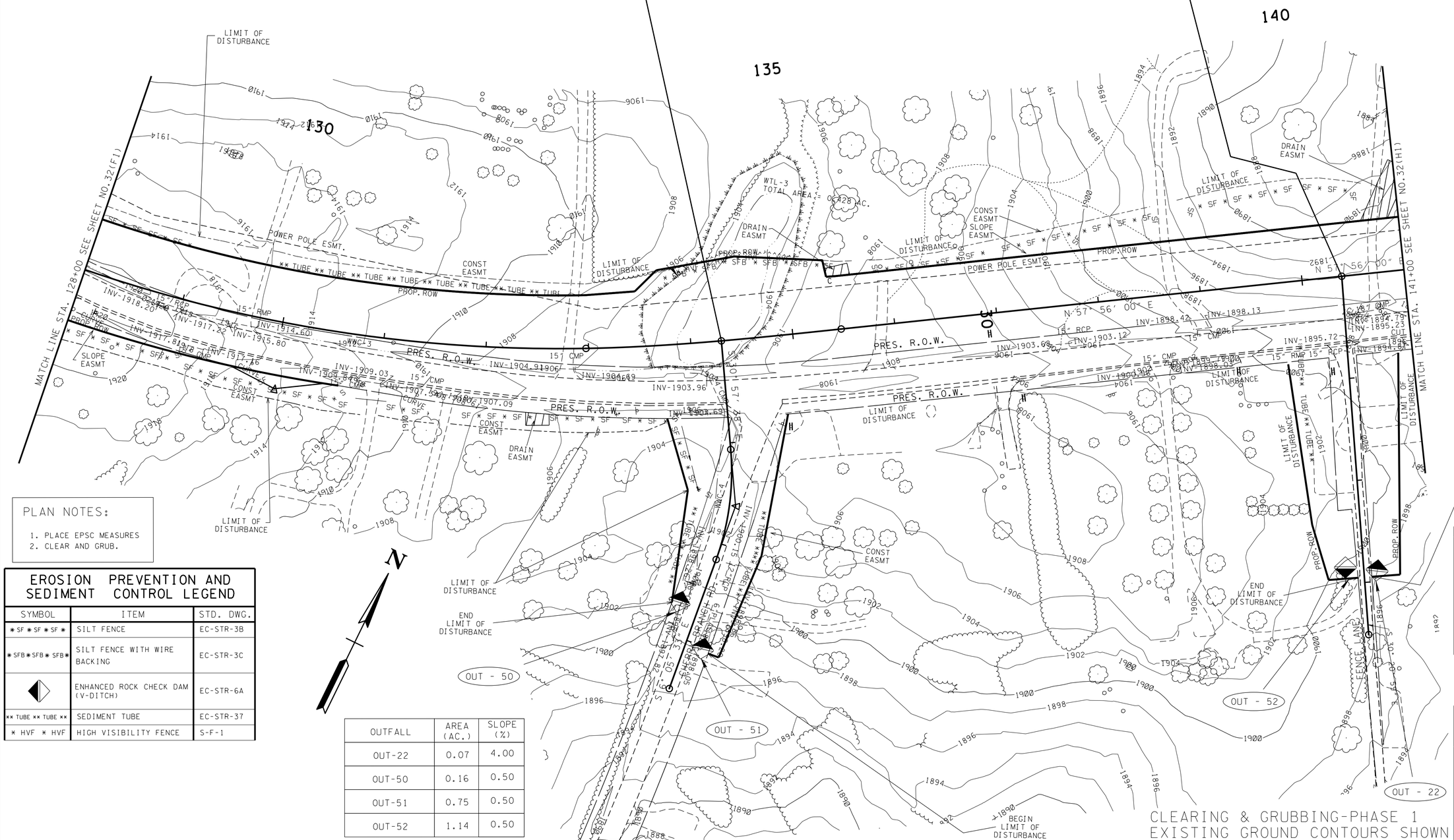
REV. 11-30-12 - UPDATED OUTFALLS AND ADDED OUTFALL TABLE.

REV. 5-22-13 - ADDED SHEET.

REV. 3-9-15 - ADDED HVF TO LEGEND PER ENV REQ.

STA. 134+30.00 S.R. 101 =
STA. 30+00.00 CHERRY BRANCH RD.
N 605558.4200
E 2281726.1930
Δ = 90°00'00" RT.

STA. 140+39.00 S.R. 101 =
STA. 10+00.00 FENCE LANE
N 605881.1150
E 2282242.6680
Δ = 91°43'01" RT.



PLAN NOTES:

1. PLACE EPSC MEASURES
2. CLEAR AND GRUB.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
◆	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-22	0.07	4.00
OUT-50	0.16	0.50
OUT-51	0.75	0.50
OUT-52	1.14	0.50

CLEARING & GRUBBING-PHASE 1
EXISTING GROUND CONTOURS SHOWN

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 128+00 TO STA. 141+00

SCALE: 1"= 50'

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TENNESSEE D.O.T.
DESIGN DIVISION

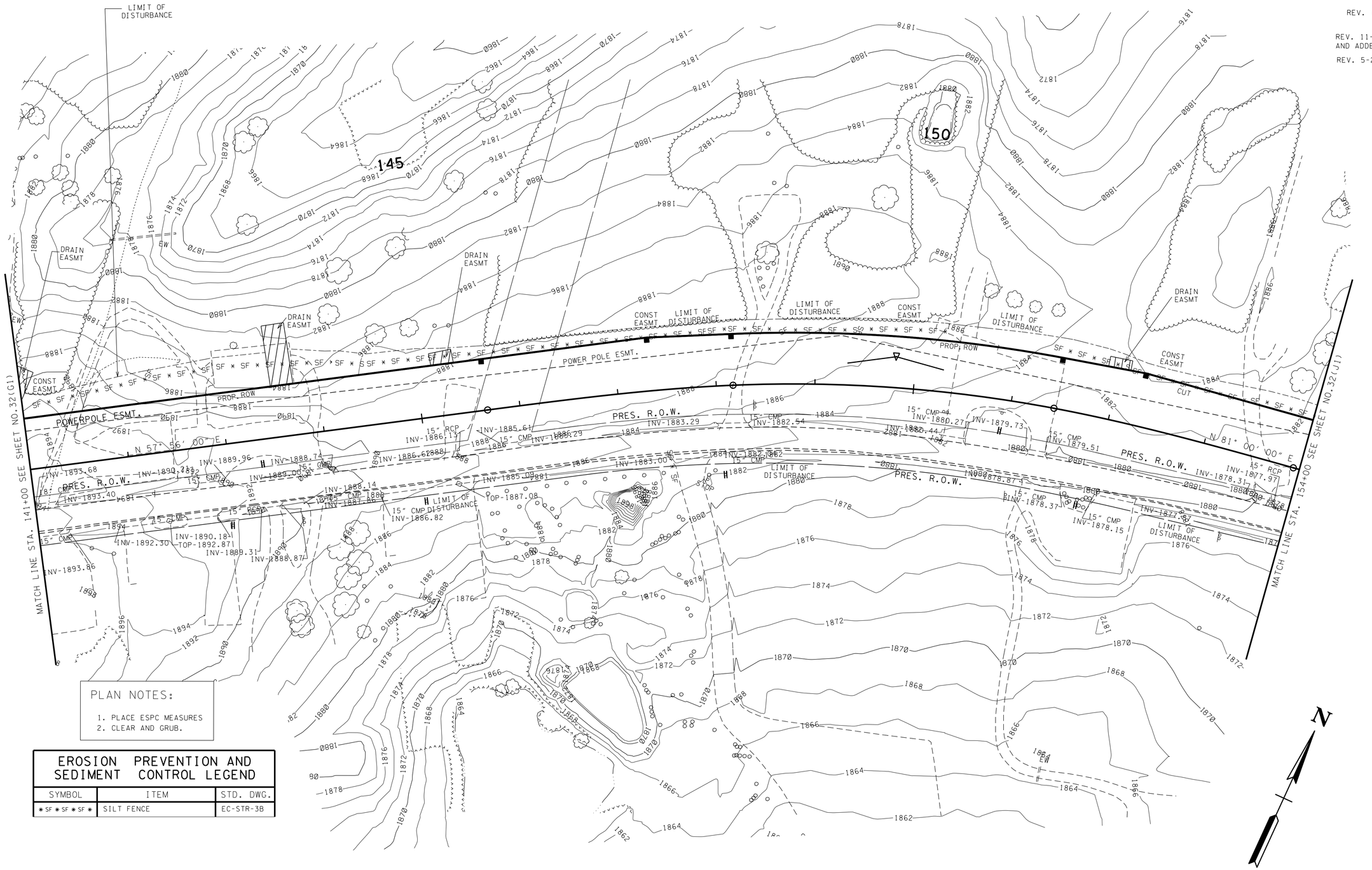
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2010	STP-101(16)	32(H1)
CONST	2015	STP-101(16)	32(H1)

REV. 11-26-12 - UPDATED EPSC PLANS

REV. 11-30-12 - UPDATED OUTFALLS AND ADDED OUTFALL TABLE.

REV. 5-22-13 - ADDED SHEET.



PLAN NOTES:

1. PLACE ESPC MEASURES
2. CLEAR AND GRUB.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B

CLEARING & GRUBBING-PHASE 1
EXISTING GROUND CONTOURS SHOWN

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 141+00 TO STA. 154+00

SCALE: 1"= 50'

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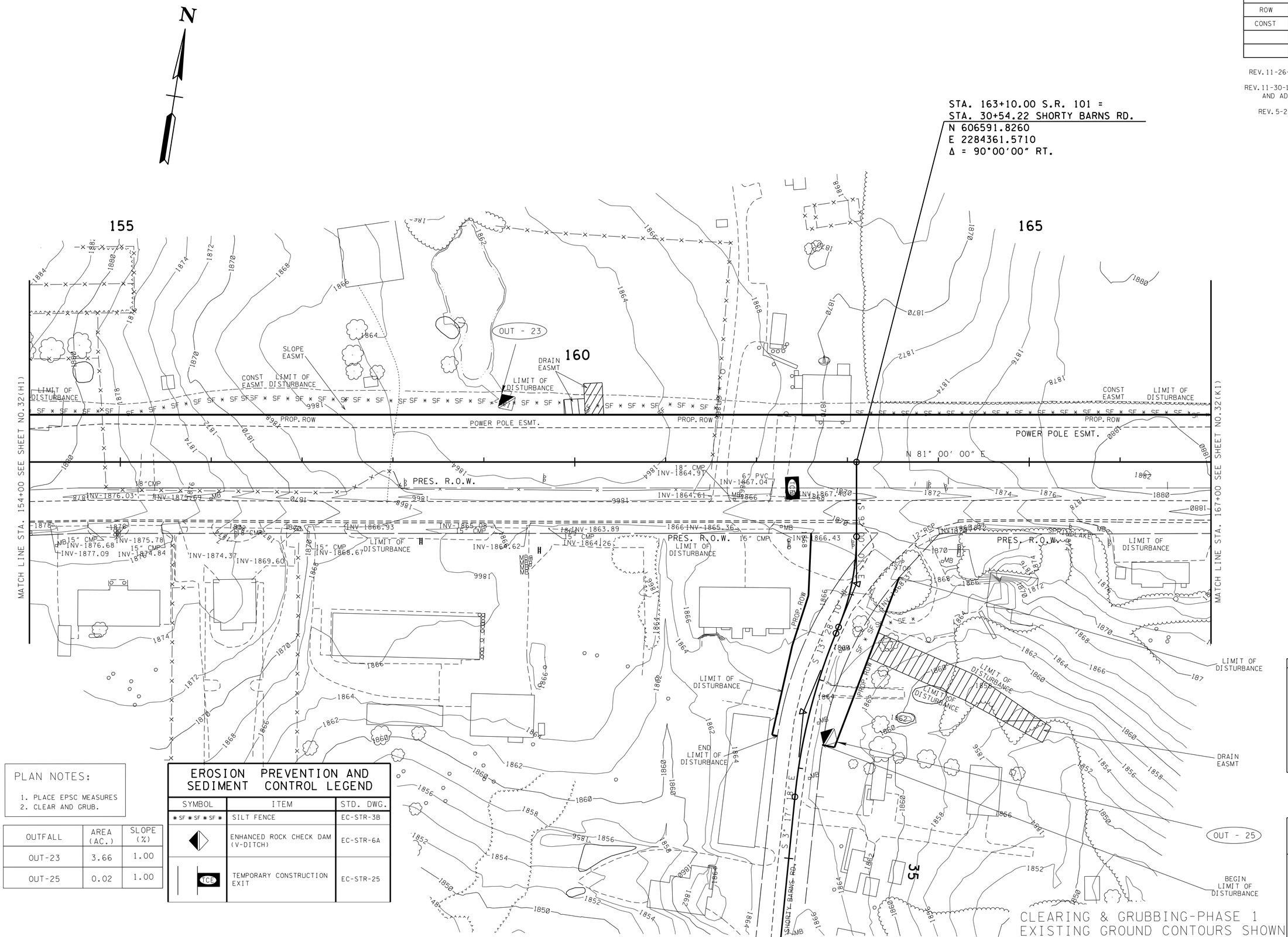
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2010	STP-101(16)	32(J1)
CONST	2015	STP-101(16)	32(J1)

REV. 11-26-12 - UPDATE EPSC PLANS

REV. 11-30-12 - UPDATED OUTFALLS AND ADDED OUTFALL TABLE.

REV. 5-22-13 - ADDED SHEET.



PLAN NOTES:

1. PLACE EPSC MEASURES
2. CLEAR AND GRUB.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-23	3.66	1.00
OUT-25	0.02	1.00

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 154+00 TO STA. 167+00

SCALE: 1" = 50'

CLEARING & GRUBBING-PHASE 1
EXISTING GROUND CONTOURS SHOWN

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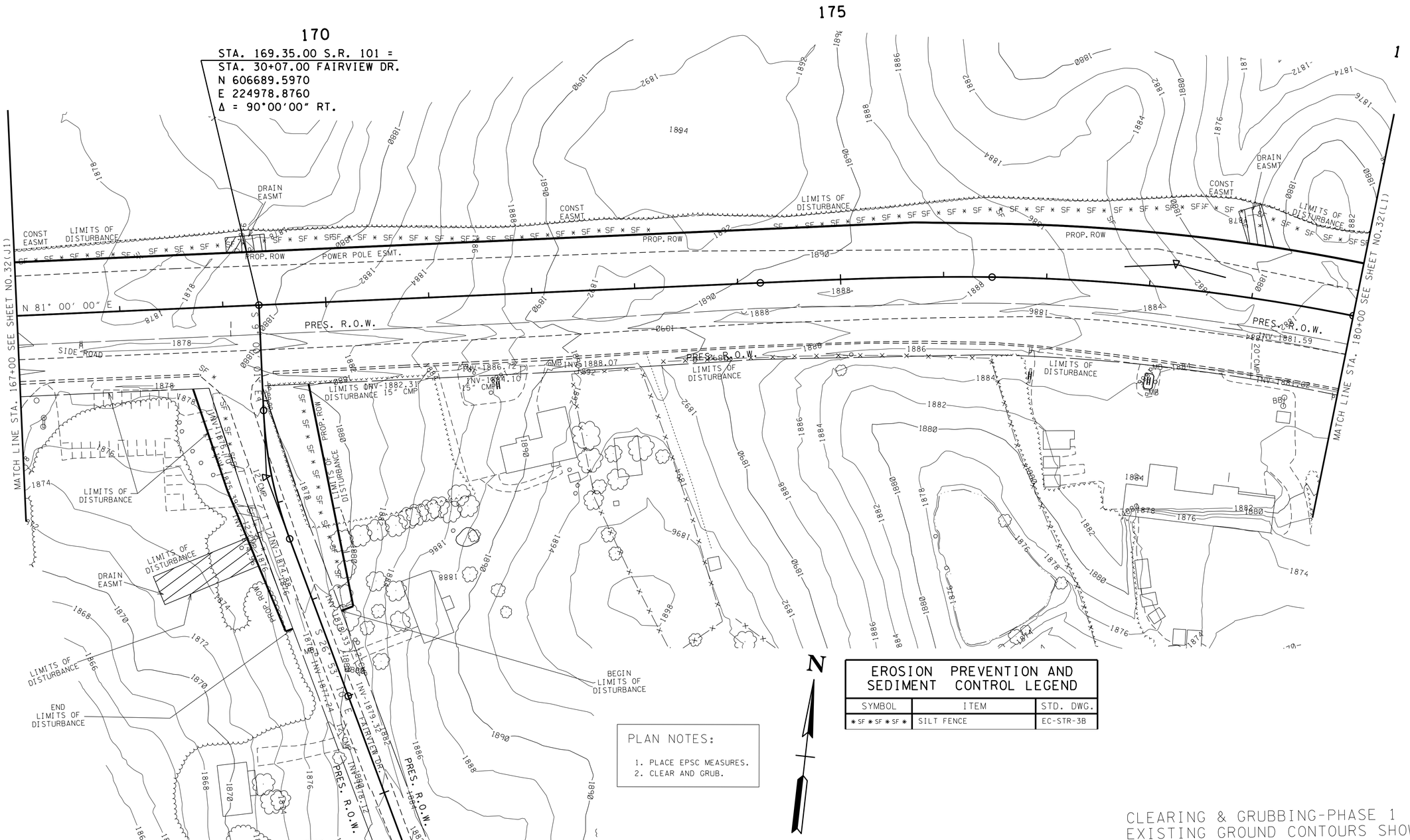
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2010	STP-101(16)	32(K1)
CONST	2015	STP-101(16)	32(K1)

REV. 11-26-12 - UPDATE EPSC PLANS

REV. 11-30-12 - UPDATED OUTFALLS AND ADDED OUTFALL TABLE.

REV. 5-22-13 - ADDED SHEET.



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B

PLAN NOTES:

1. PLACE EPSC MEASURES.
2. CLEAR AND GRUB.

CLEARING & GRUBBING-PHASE 1
EXISTING GROUND CONTOURS SHOWN.

SEALED BY

UNOFFICIAL SET
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 167+00 TO STA. 180+00

SCALE: 1"= 50'

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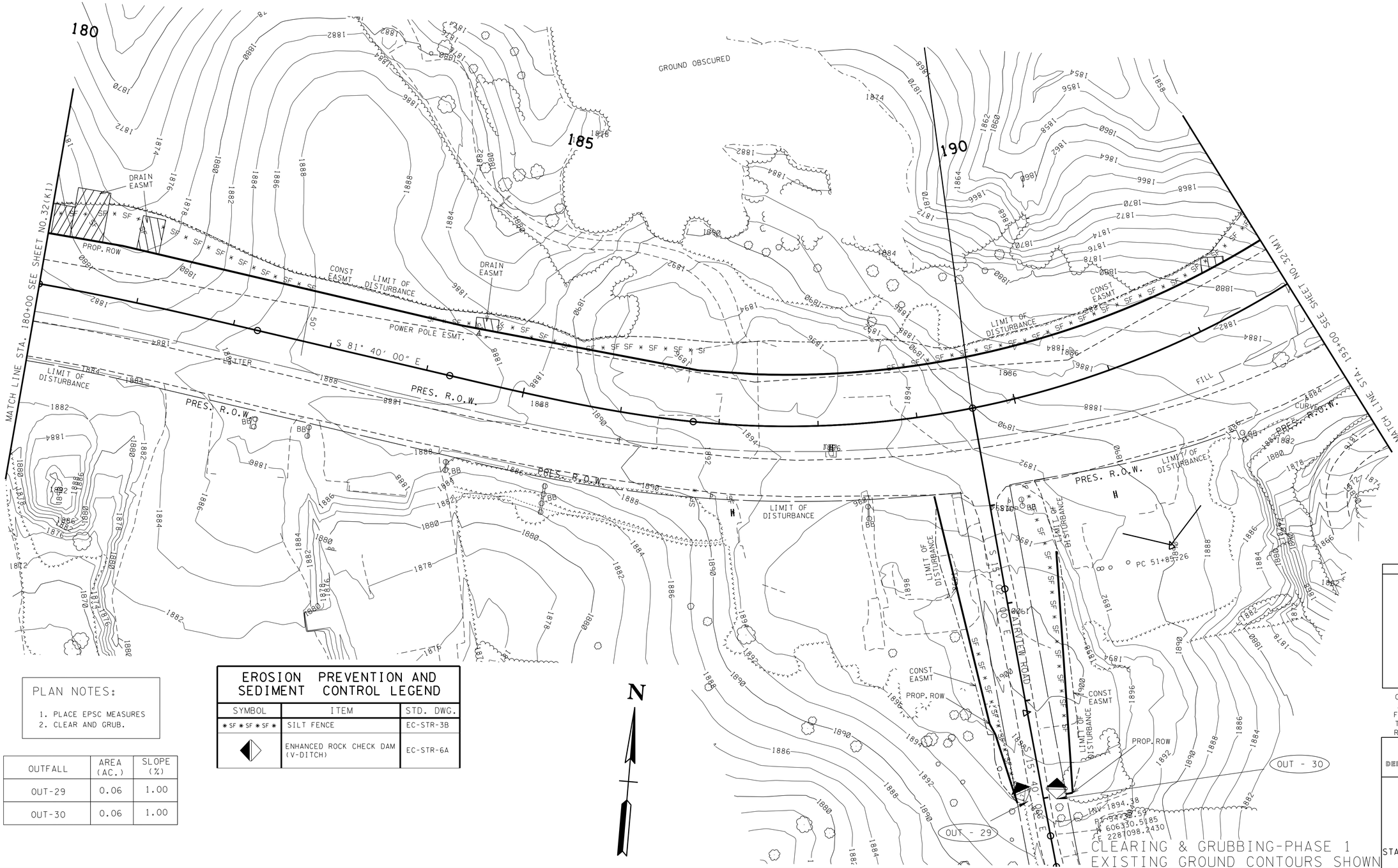
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2010	STP-101(16)	32(L1)
CONST	2015	STP-101(16)	32(L1)

REV. 11-26-12 - UPDATE EPSC PLANS

REV. 11-30-12 - UPDATED OUTFALLS AND ADDED OUTFALL TABLE.

REV. 5-22-13 - ADDED SHEET.



PLAN NOTES:

1. PLACE EPSC MEASURES
2. CLEAR AND GRUB.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-29	0.06	1.00
OUT-30	0.06	1.00

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
◆	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A

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UNOFFICIAL SET
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 180+00 TO STA. 193+00

SCALE: 1"= 50'

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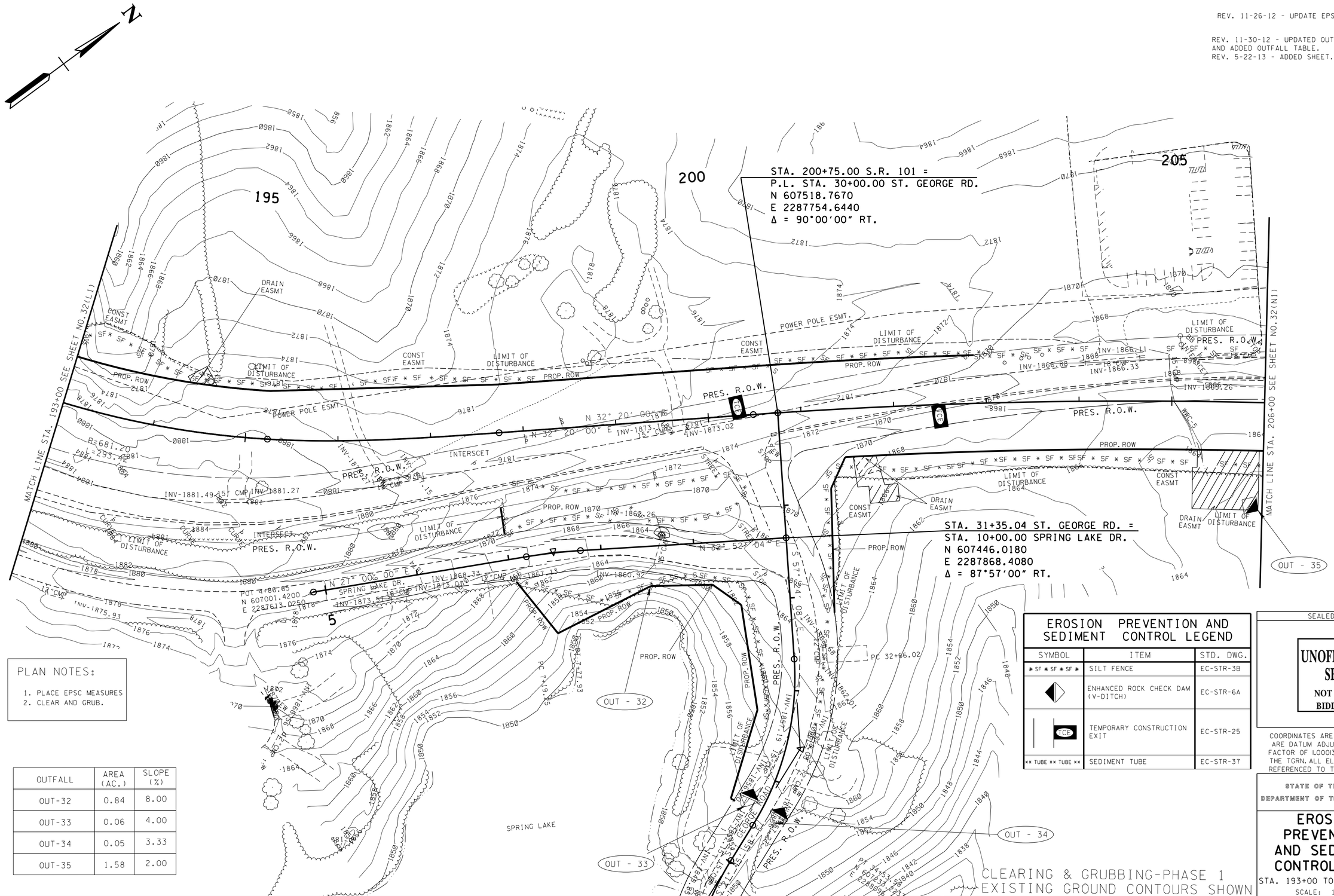
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2010	STP-101(16)	32(M1)
CONST	2015	STP-101(16)	32(M1)

REV. 11-26-12 - UPDATE EPSC PLANS

REV. 11-30-12 - UPDATED OUTFALLS AND ADDED OUTFALL TABLE.
REV. 5-22-13 - ADDED SHEET.



PLAN NOTES:

1. PLACE EPSC MEASURES
2. CLEAR AND GRUB.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-32	0.84	8.00
OUT-33	0.06	4.00
OUT-34	0.05	3.33
OUT-35	1.58	2.00

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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. 193+00 TO STA. 206+00

SCALE: 1"= 50'

CLEARING & GRUBBING-PHASE 1
EXISTING GROUND CONTOURS SHOWN

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TENNESSEE D.O.T.
DESIGN DIVISION

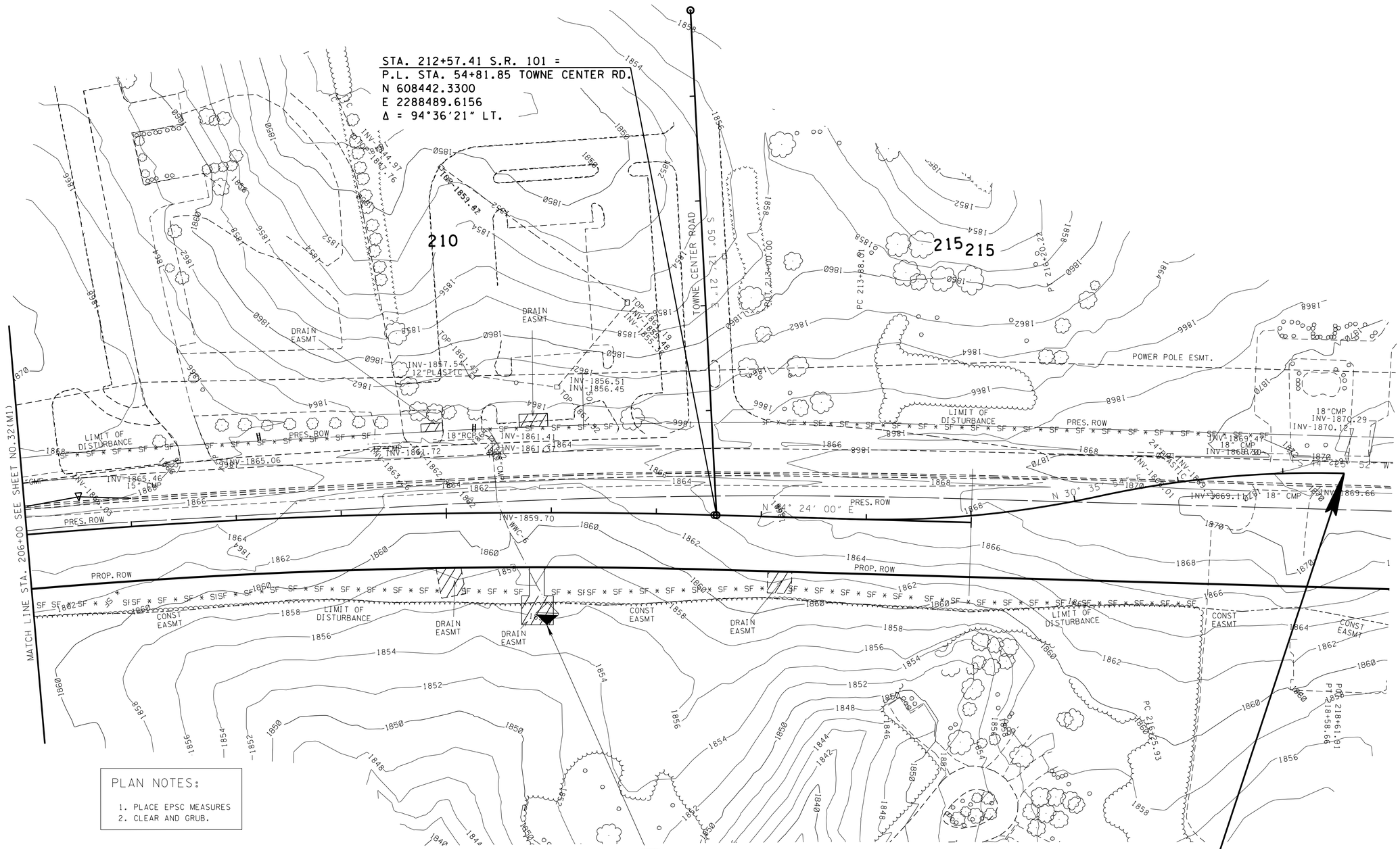
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2010	STP-101(16)	32(N1)
CONST	2015	STP-101(16)	32(N1)

REV. 11-26-12 - UPDATE EPSC PLANS

REV. 11-30-12 - UPDATED OUTFALLS AND ADDED OUTFALL TABLE.

REV. 5-22-13 - ADDED SHEET.



PLAN NOTES:

1. PLACE EPSC MEASURES
2. CLEAR AND GRUB.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
*SFB*SFB*SFB*	SILT FENCE WITH WIRE BACKING	EC-STR-3C
◆	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-37	0.40	4.00

CURVE TCP1FIVE
PI 215+04.68
N 608,618.9963
E 2,288,662.6201
Δ 13° 48' 06" (LT)
D 5° 56' 37"
R 964.00
L 232.21
T 116.67
NORMAL CROWN
DESIGN SPEED 45 MPH

CURVE TCP1SIX
PI 217+42.86
N 608,824.9895
E 2,288,784.4360
Δ 13° 49' 58" (RT)
D 5° 56' 37"
R 964.00
L 232.74
T 116.94
NORMAL CROWN
DESIGN SPEED 45 MPH

STP-101(16)
END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STA. 218+62.00

CLEARING & GRUBBING-PHASE 1
EXISTING GROUND CONTOURS SHOWN

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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. 206+00 TO STA. 219+00
SCALE: 1"= 50'

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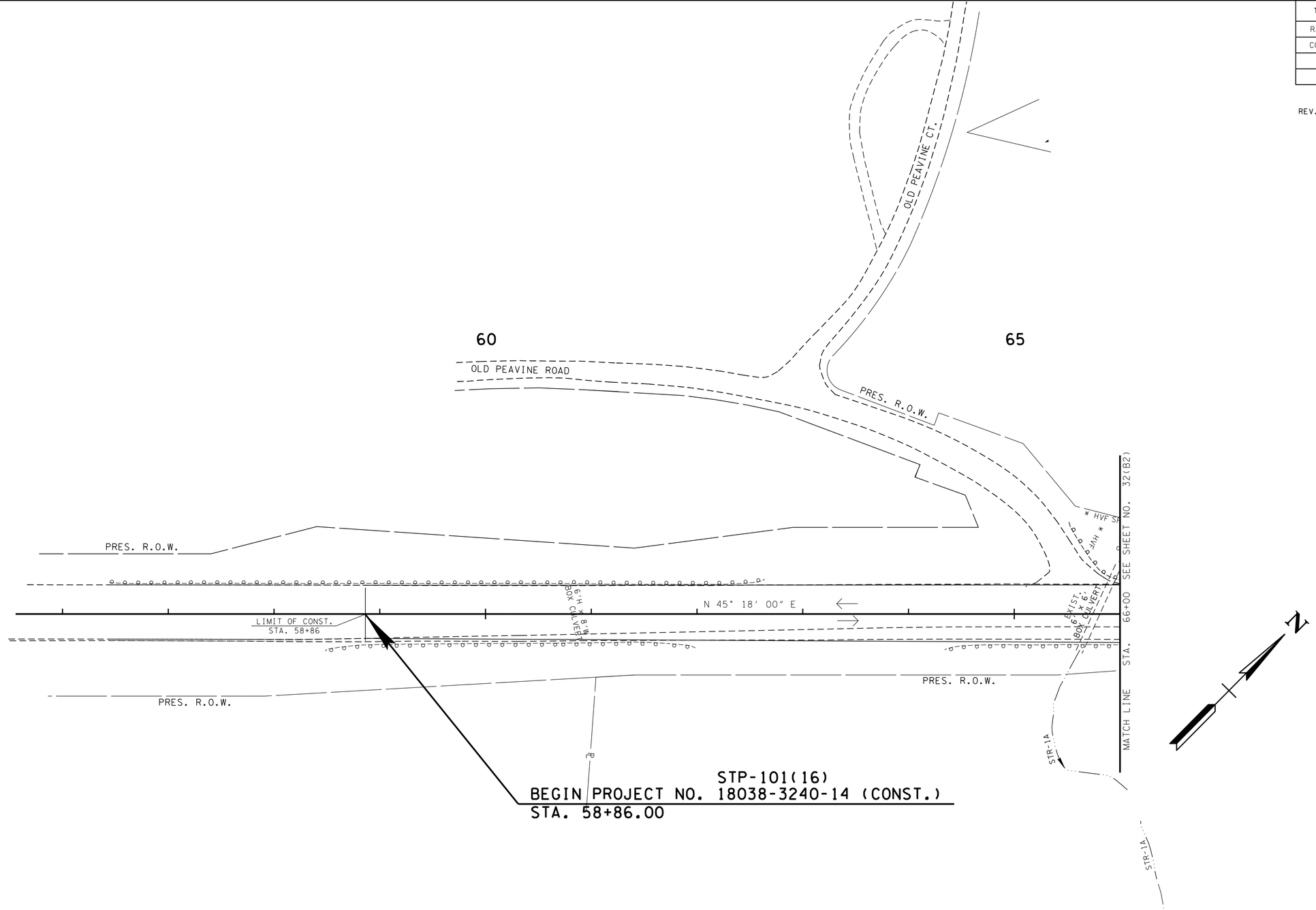
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(A2)
CONST	2015	STP-101(16)	32A(2)

REV. 5-22-13-ADDED SHEET



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW

EPSC PHASE 2 =
TRAFFIC CONTROL PHASE 1

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/B3(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.56+00 TO STA.66+00

SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(B2)
CONST	2015	STP-101(16)	32B(2)

REV. 5-22-13-ADDED SHEET.
REV. 3-09-15-REMOVED ERCD FROM DETAIL C PER ENV REQ.

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

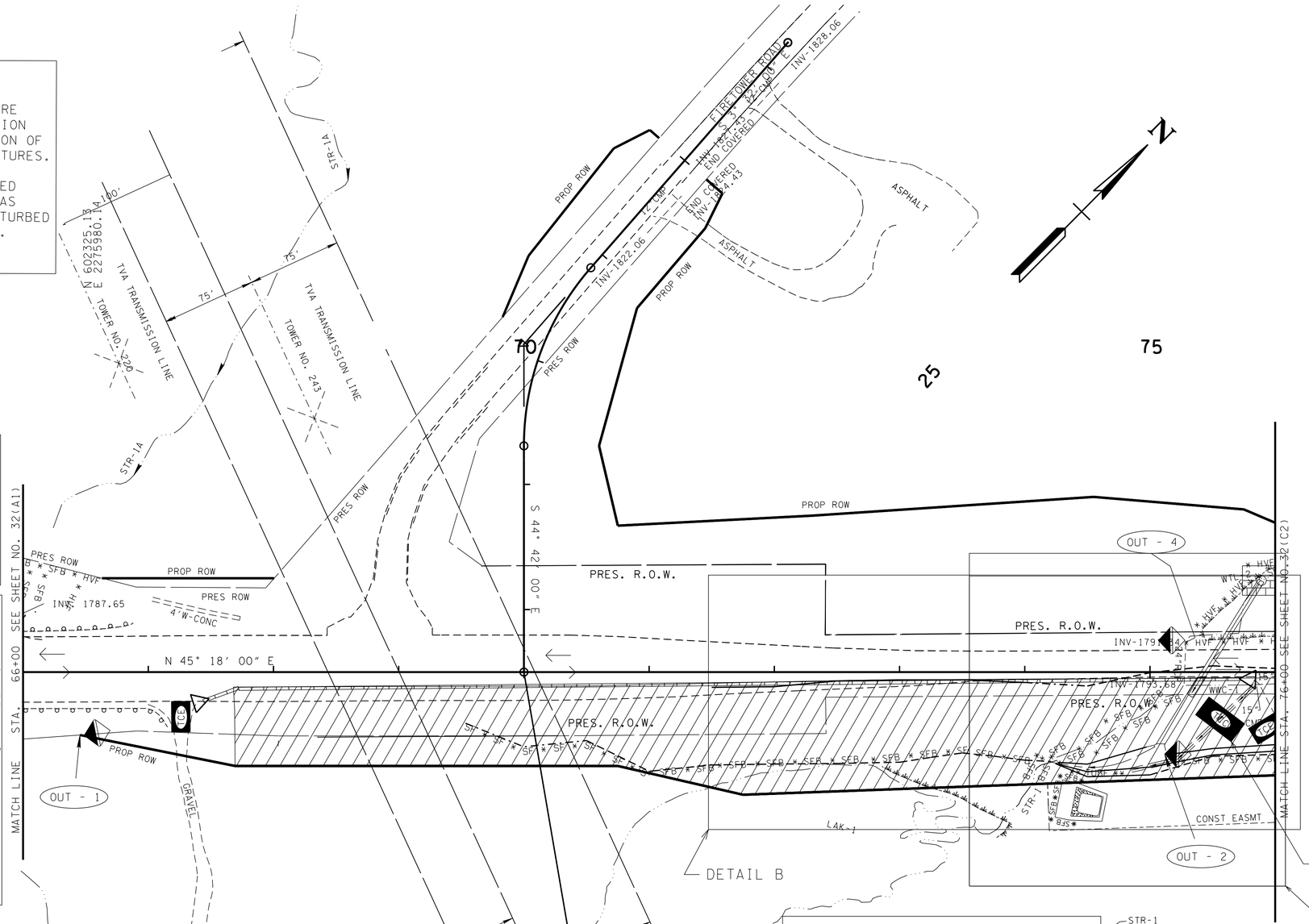
HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
* HVF * HVF	HIGH VISIBILITY CONSTRUCTION FENCE
◁	TEMPORARY ATTENUATOR

PLAN NOTES:

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. SEE DETAIL A, B, & C.
3. BUILD TEMP ROAD TRANSITIONING TO EXIST. ROAD AS DIRECTED BY TDOT SUPERVISOR.(SEE SHEET 33(R)-33(S) FOR TYPICALS AND PROFILE OF 2 LN TEMP ROAD & SHEET 40-50 FOR CROSS-SECTIONS OF 2 LN TEMP ROAD.)



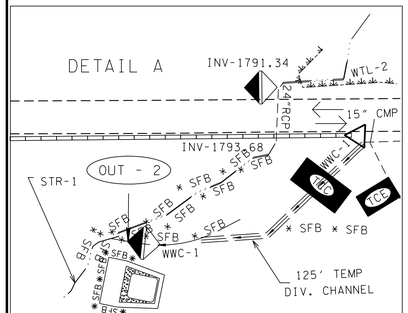
STA. 70+00.00 S.R. 101 =
STA. 29+50.00 FIRETOWER RD.
N 602565.2800
E 2276222.3070
Δ = 90°00'00" RT.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-1	0.09	10.00
OUT-2	3.11	5.71
OUT-4	4.40	5.00

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

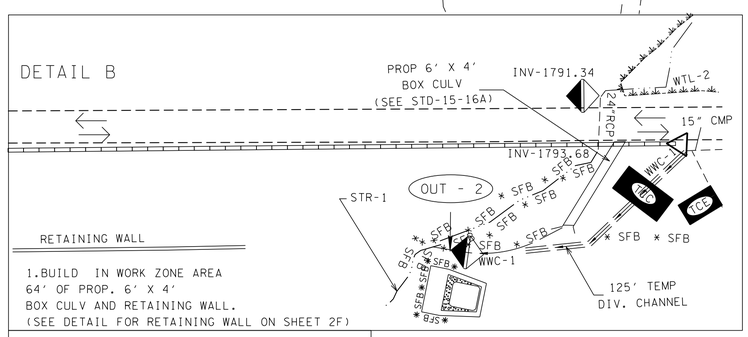
SYMBOL	ITEM	STD. DWG.
* SFB * SFB * SFB * SFB	SEDIMENT FILTER BAG	EC-STR-2
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
TCC	TEMPORARY CULVERT CROSSING (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-25
	TEMPORARY DIVERSION CHANNEL (DESCRIBE-SIZE AND TYPE OF LINING)	EC-STR-31
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
	SUSPENDED PIPE DIVERSION	EC-STR-33 EC-STR-33A
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

DETAIL A



1. BUILD IN WORK ZONE AREA 125' TEMP DIV. CHANNEL AND SPECIAL DITCH FOR PROP 6' X 4' BOX CULV.
(SEE SHEET 31 FOR SPECIAL DITCH PROFILE)

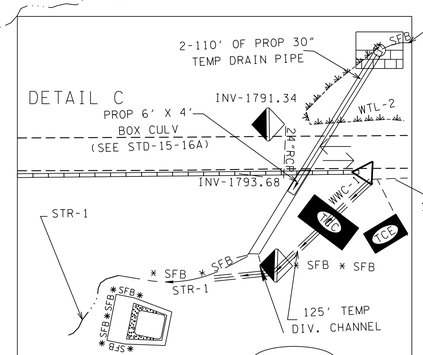
DETAIL B



1.BUILD IN WORK ZONE AREA 64' OF PROP. 6' X 4' BOX CULV AND RETAINING WALL.
(SEE DETAIL FOR RETAINING WALL ON SHEET 2F)

THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE ANY NECESSARY WORK IN INSTALLING THE RETAINING WALL WHICH WILL BE INCLUDED IN THE COST OF THE RETAINING WALL.

DETAIL C



1. PLACE 2-110' OF PROP. 30" TEMP DIV. DRAIN PIPE FROM STR-1 TO PROP. 6' X 4' BOX CULV.

EPSC PHASE 2 =
TRAFFIC CONTROL PHASE 1

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.66+00 TO STA.76+00
SCALE: 1"=50'

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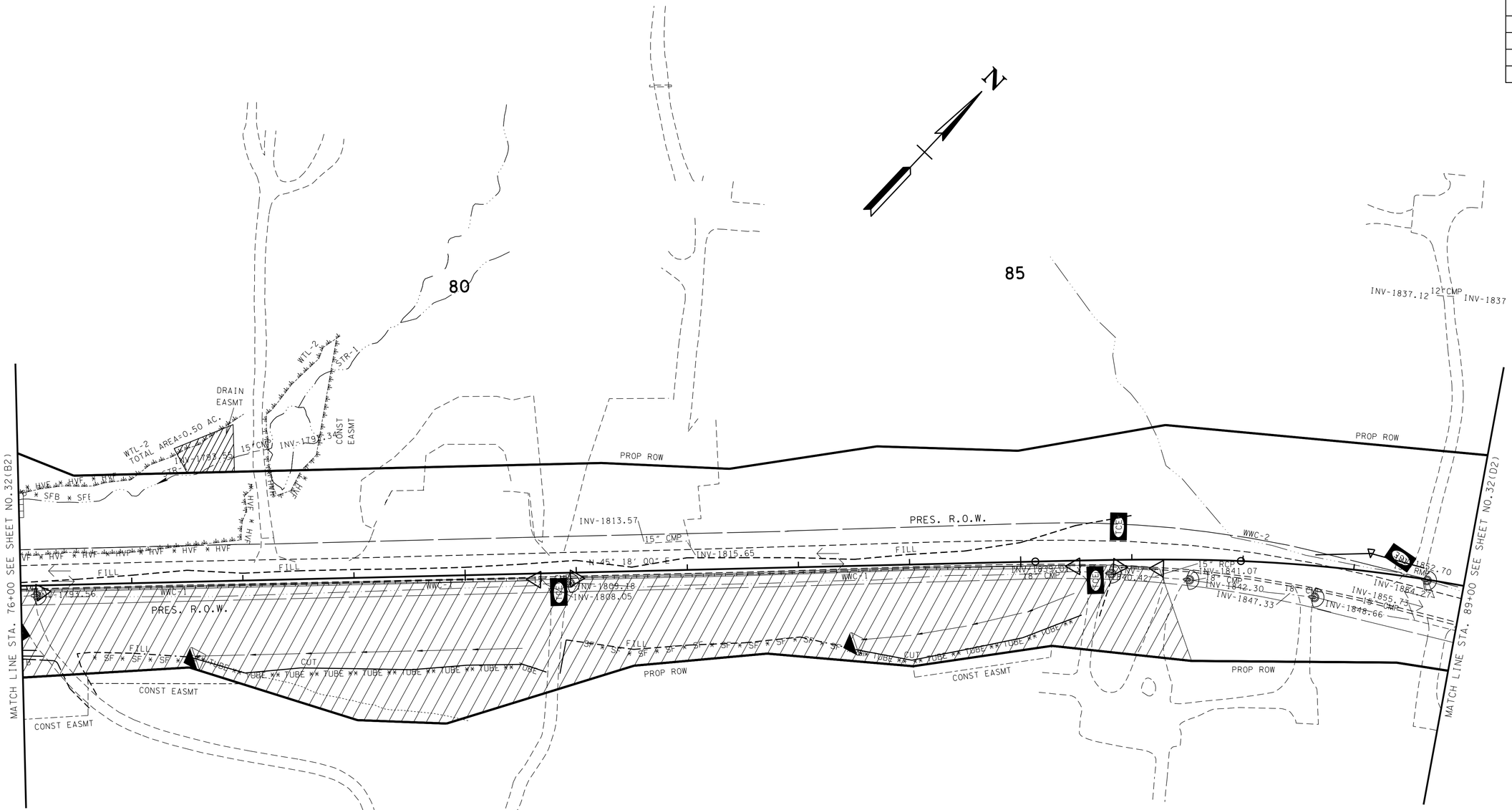
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(C2)
CONST	2015	STP-101(16)	32(C2)

REV. 5-22-13- ADDED SHEET.



PLAN NOTES:

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD TEMP ROAD TRANSITIONING TO EXIST. ROAD AS DIRECTED BY TDOT SUPERVISOR.(SEE SHEET 33(R)-33(S) FOR TYPICALS AND PROFILE OF 2 LN TEMP ROAD & SHEET 40-50 FOR CROSS-SECTIONS OF 2 LN TEMP ROAD.)

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
* HVF * HVF	HIGH VISIBILITY CONSTRUCTION FENCE
◁	TEMPORARY ATTENUATOR

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

EPSC PHASE 2 =
TRAFFIC CONTROL PHASE 1

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.76+00 TO STA.89+00

SCALE: 1"=50'

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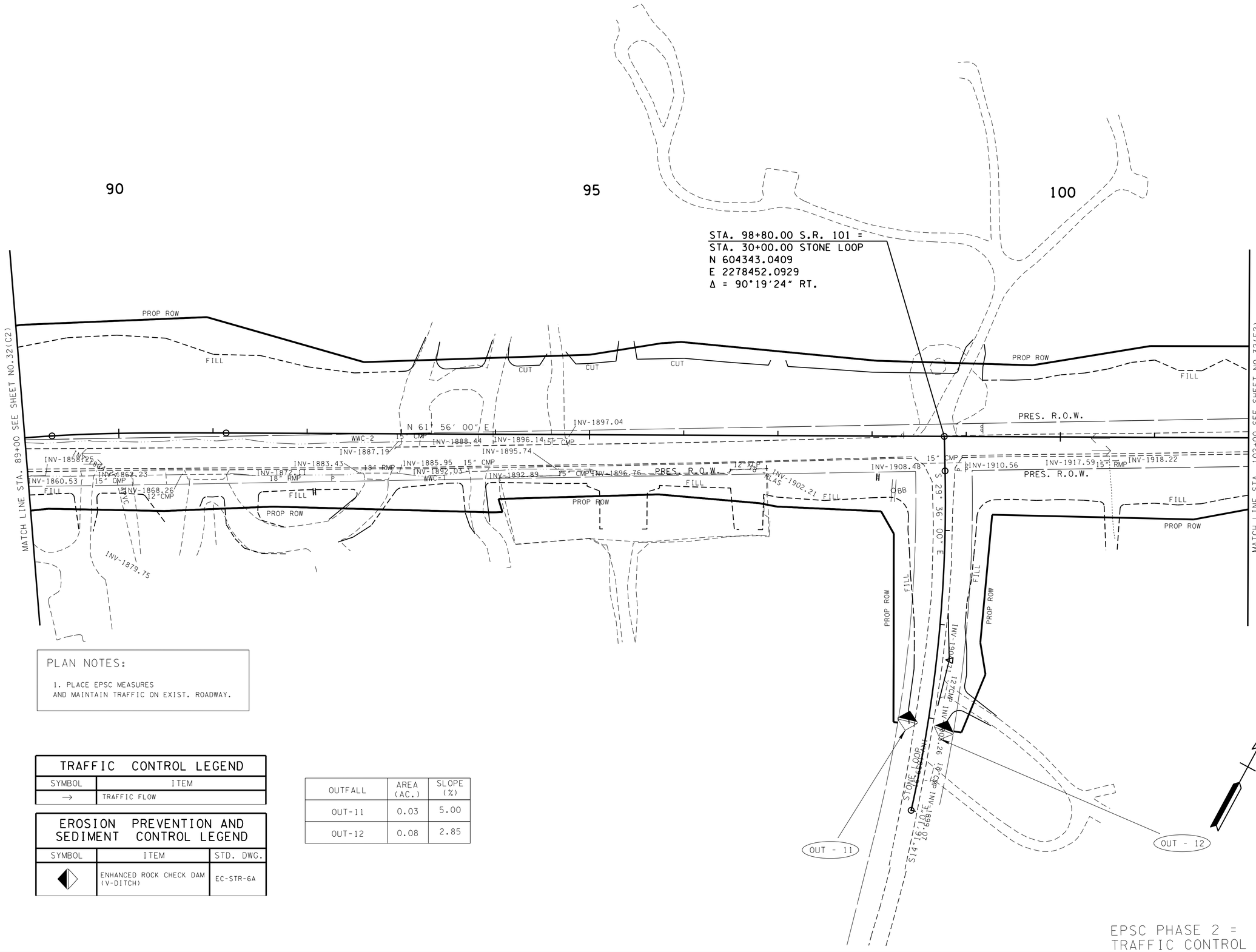
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(D2)
CONST	2015	STP-101(16)	32(D2)

REV. 5-22-13-ADDED SHEET.



PLAN NOTES:

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
◆	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-11	0.03	5.00
OUT-12	0.08	2.85

EPSC PHASE 2 =
TRAFFIC CONTROL PHASE 1

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.89+00 TO STA.102+00

SCALE: 1"=50'

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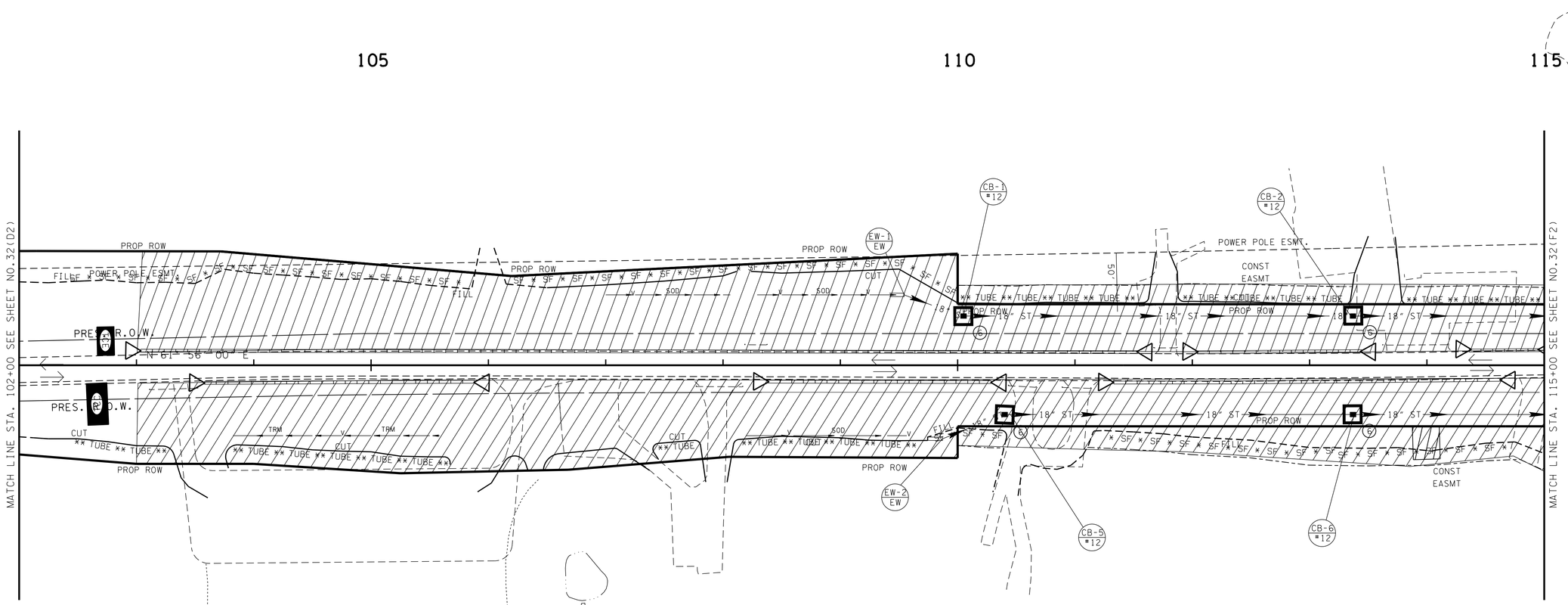
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	33(E2)
CONST	2015	STP-101(16)	32(E2)

REV. 5-22-13-ADDED SHEET.



PLAN NOTES:

1. PLACE EPSC MEASURES.
2. MAINTAIN TRAFFIC ON EXIST. ROADWAY.
3. BUILD IN WORK ZONE AREAS NORTH AND SOUTH OF EXIST. ROADWAY AS DIRECTED BY TDOT SUPERVISOR

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
◁	TEMPORARY ATTENUATOR

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
TCC	TEMPORARY CULVERT CROSSING (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-25
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46

N

EPSC PHASE 2 =
TRAFFIC CONTROL PHASE 1

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/B3(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.102+00 TO STA.115+00

SCALE: 1"=50'

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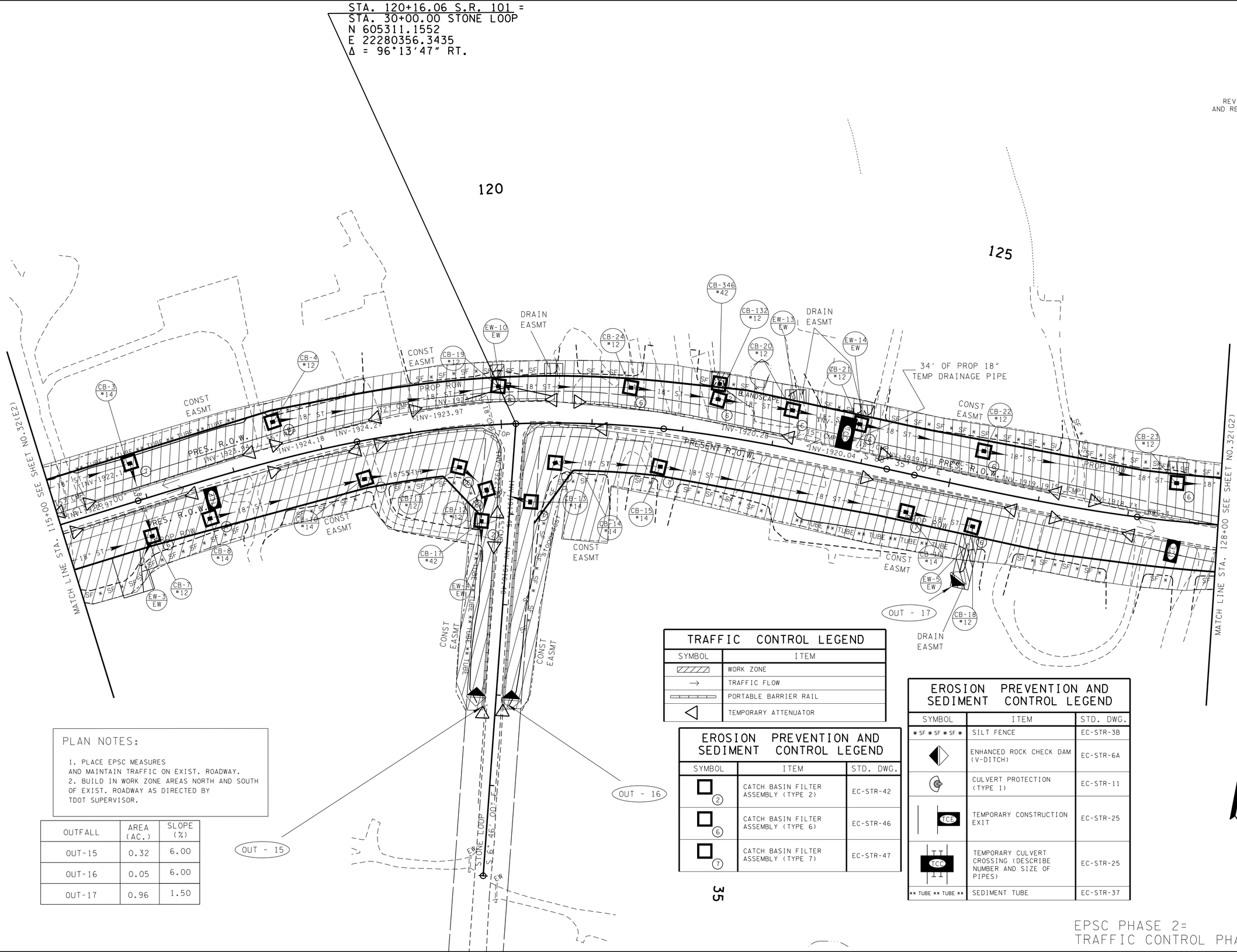
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(F2)
CONST	2015	STP-101(16)	32(F2)

REV. 5-22-13-ADDED SHEET.
REV. 5-13-15-REVISED OUT-53 TO OUT-17
AND REMOVED OUT-14 FROM TABLE PER ENV REQ.



PLAN NOTES:

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE AREAS NORTH AND SOUTH OF EXIST. ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-15	0.32	6.00
OUT-16	0.05	6.00
OUT-17	0.96	1.50

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
◁	TEMPORARY ATTENUATOR

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
TCC	TEMPORARY CULVERT CROSSING (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-25
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

EPSC PHASE 2=
TRAFFIC CONTROL PHASE 1

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.115+00 TO STA.128+00

SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(G2)
CONST	2015	STP-101(16)	32(G2)

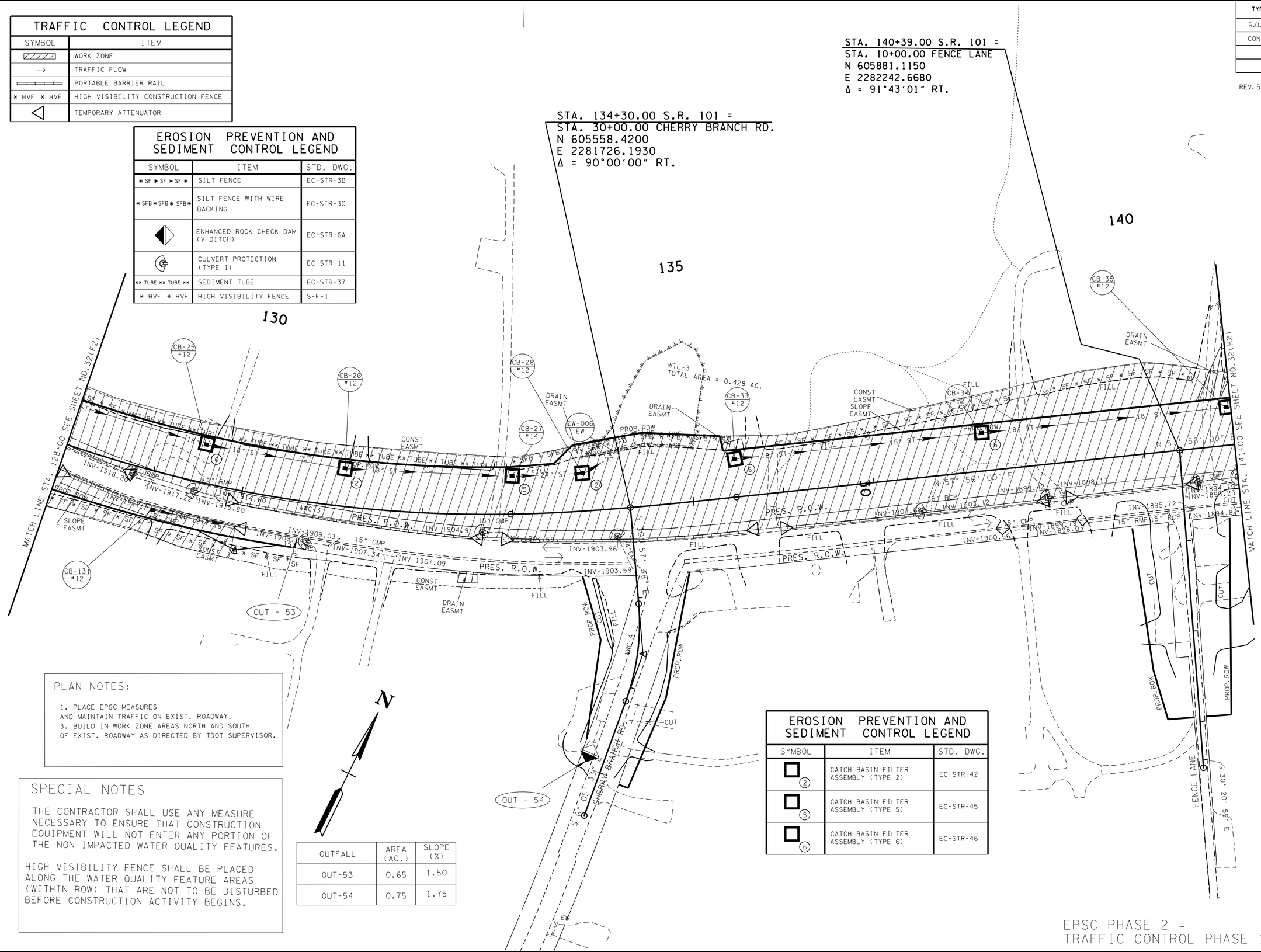
REV. 5-22-13- ADDED SHEET.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
* HVF * HVF	HIGH VISIBILITY CONSTRUCTION FENCE
◁	TEMPORARY ATTENUATOR

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

STA. 134+30.00 S.R. 101 =
STA. 30+00.00 CHERRY BRANCH RD.
N 605558.4200
E 2281726.1930
Δ = 90°00'00" RT.

STA. 140+39.00 S.R. 101 =
STA. 10+00.00 FENCE LANE
N 605881.1150
E 2282242.6680
Δ = 91°43'01" RT.



PLAN NOTES:

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
3. BUILD IN WORK ZONE AREAS NORTH AND SOUTH OF EXIST. ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-53	0.65	1.50
OUT-54	0.75	1.75

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
(2)	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
(5)	CATCH BASIN FILTER ASSEMBLY (TYPE 5)	EC-STR-45
(6)	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46

EPSC PHASE 2 =
TRAFFIC CONTROL PHASE 1

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.128+00 TO STA.141+00

SCALE: 1"=50'

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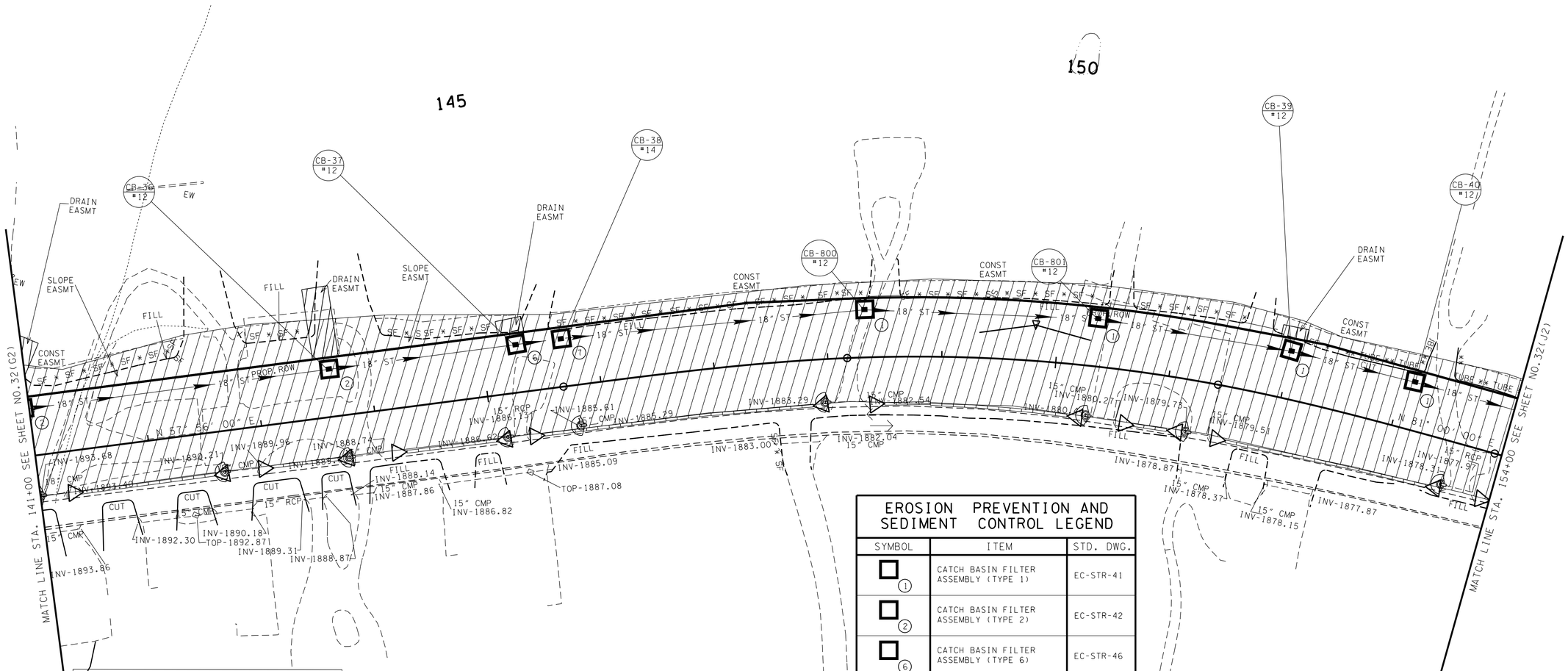
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(H2)
CONST	2015	STP-101(16)	32(H2)

REV. 5-22-13- ADDED SHEET.



PLAN NOTES:

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE AREA ON NORTH SIDE OF EXIST. ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
◁	TEMPORARY ATTENUATOR

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
1	CATCH BASIN FILTER ASSEMBLY (TYPE 1)	EC-STR-41
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47

N

EPSC PHASE 2 =
TRAFFIC CONTROL PHASE 1

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.141+00 TO STA.154+00

SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(J2)
CONST	2015	STP-101(16)	32(J2)

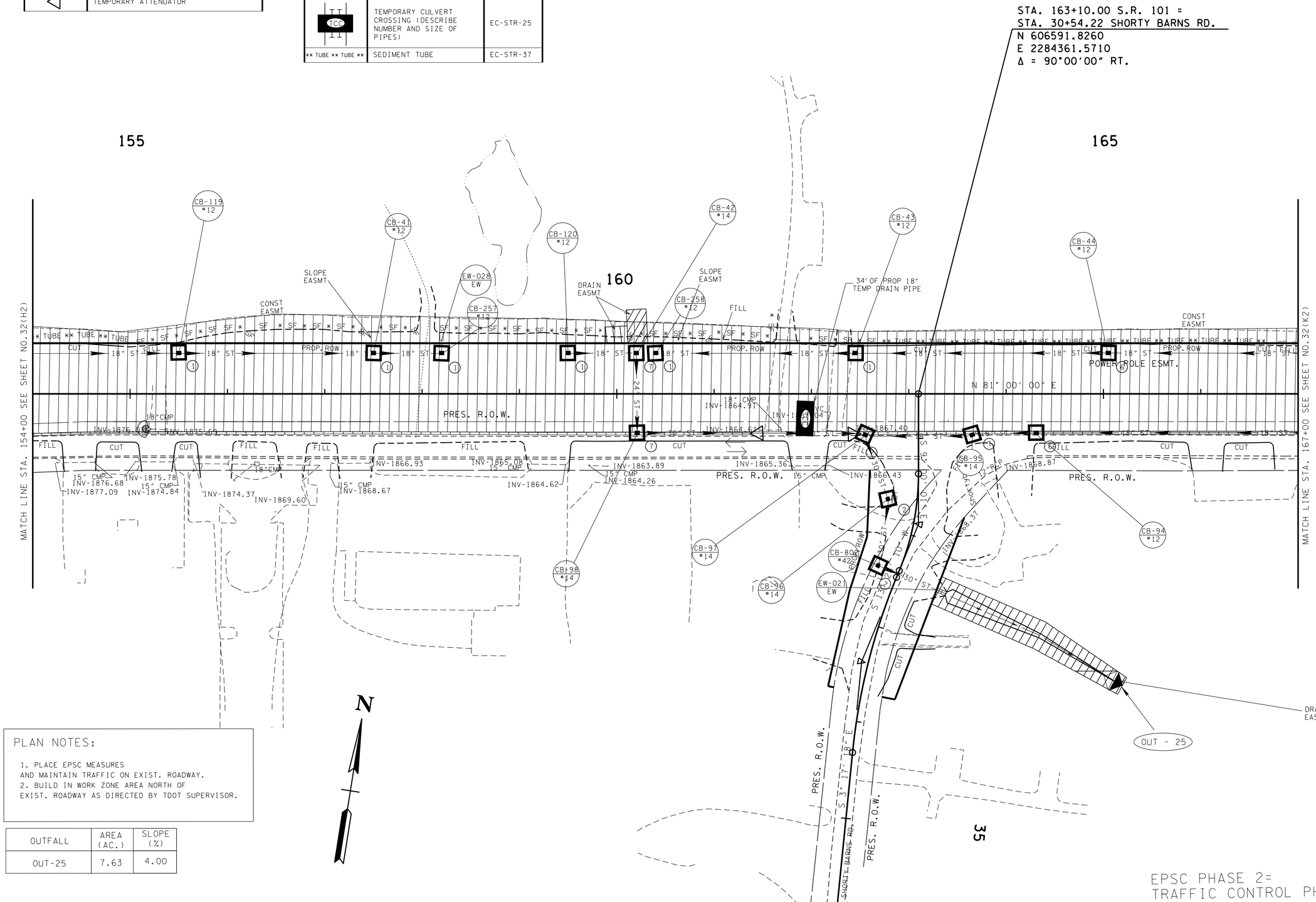
REV. 5-22-13- ADDED SHEET.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
◁	TEMPORARY ATTENUATOR

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
TCC	TEMPORARY CULVERT CROSSING (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-25
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37



PLAN NOTES:

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE AREA NORTH OF EXIST. ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-25	7.63	4.00

EPSC PHASE 2=
TRAFFIC CONTROL PHASE 1

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.154+00 TO STA.167+00

SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(K2)
CONST	2015	STP-101(16)	32(K2)

REV. 5-22-13- ADDED SHEET.

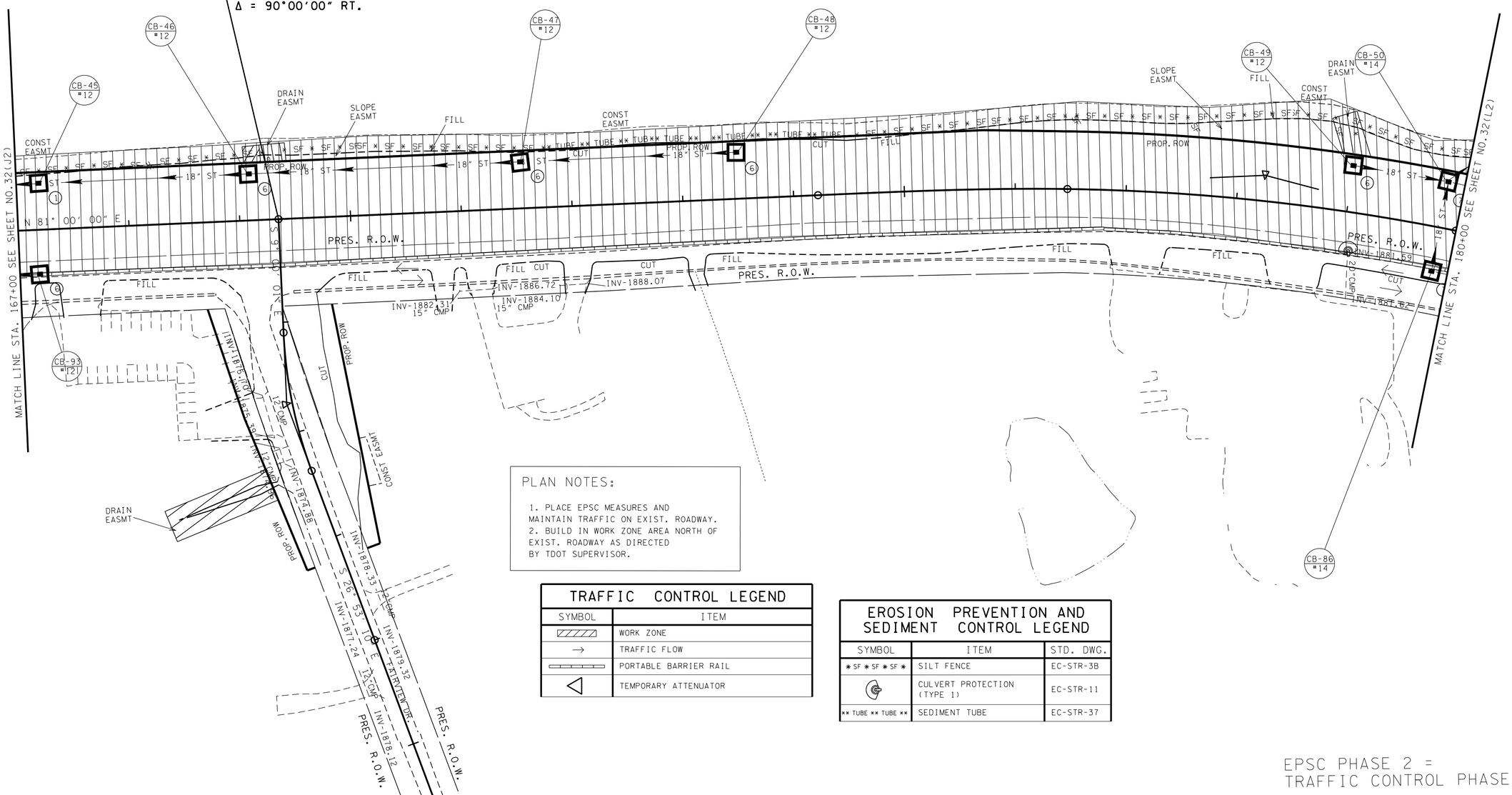
N

170

STA. 169.35.00 S.R. 101 =
STA. 30+07.00 FAIRVIEW DR.
N 606689.5970
E 224978.8760
Δ = 90°00'00" RT.

175

1



PLAN NOTES:

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE AREA NORTH OF EXIST. ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
▨	WORK ZONE
→	TRAFFIC FLOW
▭	PORTABLE BARRIER RAIL
◁	TEMPORARY ATTENUATOR

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
■ (1)	CATCH BASIN FILTER ASSEMBLY (TYPE 1)	EC-STR-41
■ (6)	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
■ (7)	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
(C)	CULVERT PROTECTION (TYPE 1)	EC-STR-11
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

EPSC PHASE 2 =
TRAFFIC CONTROL PHASE 1

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.167+00 TO STA.180+00

SCALE: 1"=50'

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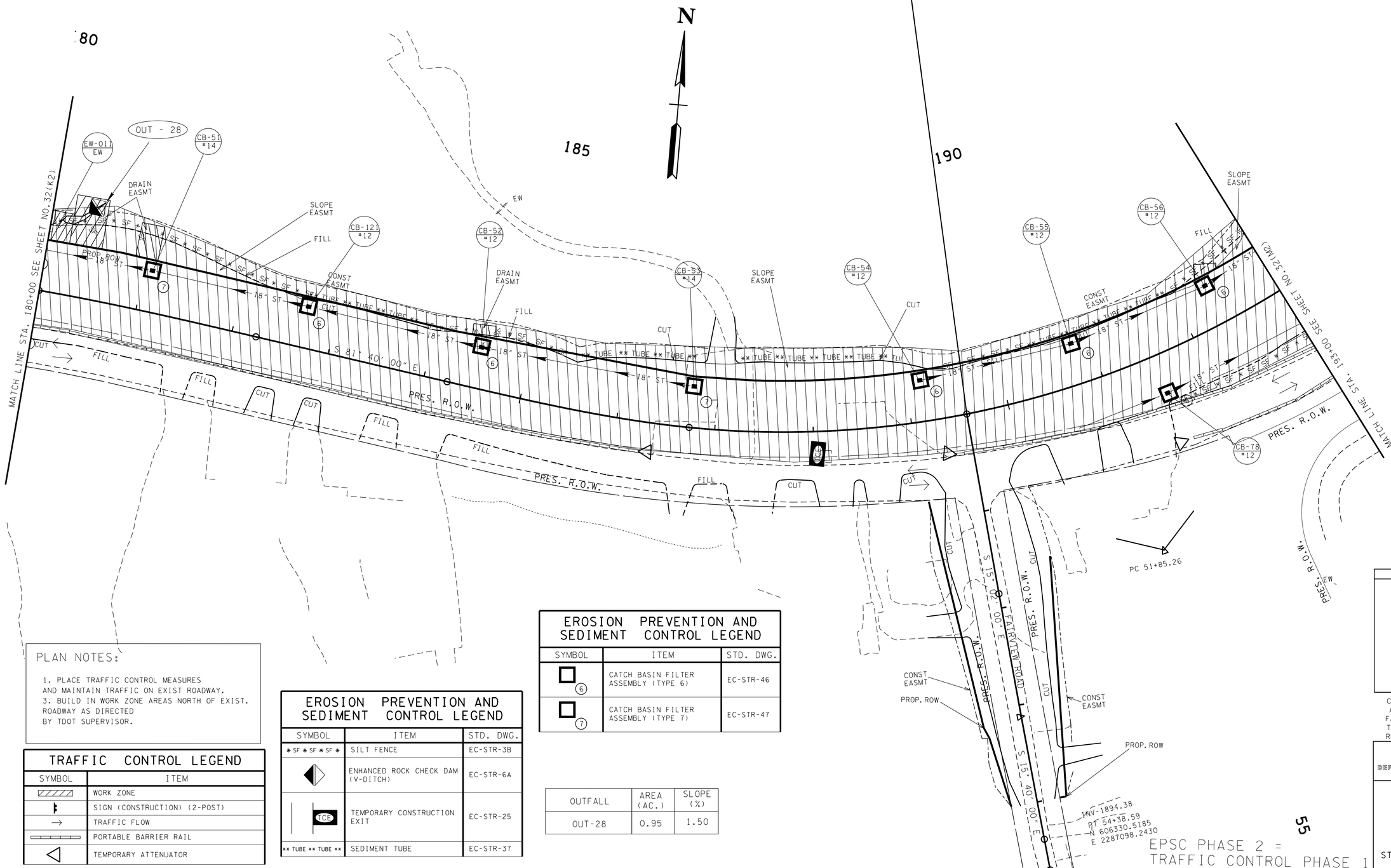
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(L2)
CONST	2015	STP-101(16)	32(L2)

REV. 5-22-13- ADDED SHEET.

STA. 189+56.86 S.R. 101 =
P.L. STA. 50+00.00 FAIRVIEW ROAD
N 606753.7277
E 2286983.1309
Δ = 91°06'36" RT.



PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON EXIST ROADWAY.
3. BUILD IN WORK ZONE AREAS NORTH OF EXIST. ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-28	0.95	1.50

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC PHASE 2 =
TRAFFIC CONTROL PHASE 1

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.180+00 TO STA.193+00

SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(M2)
CONST	2015	STP-101(16)	32(M2)

REV. 5-22-13- ADDED SHEET.

TRAFFIC CONTROL LEGEND

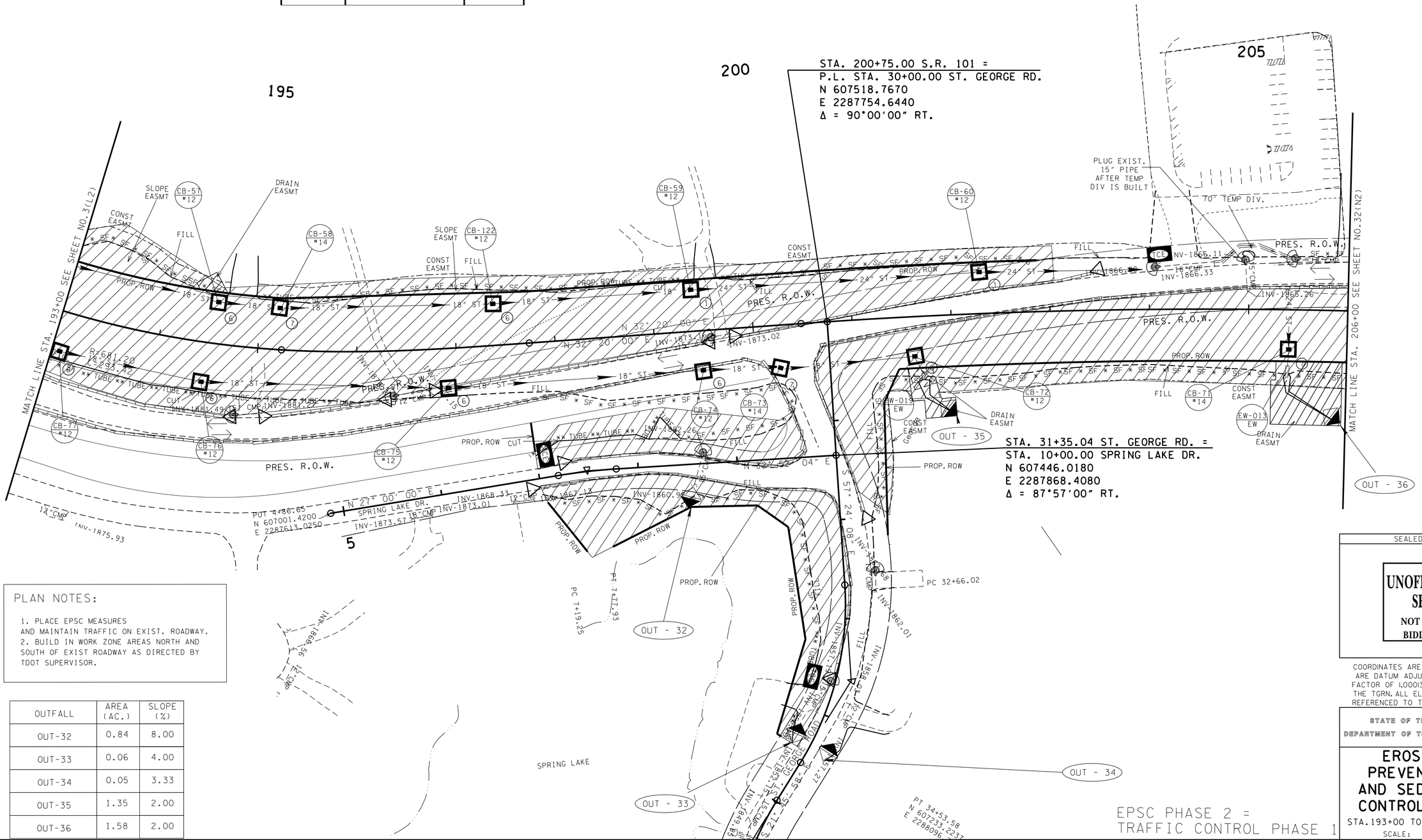
SYMBOL	ITEM
	WORK ZONE
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
◁	TEMPORARY ATTENUATOR

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
1	CATCH BASIN FILTER ASSEMBLY (TYPE 1)	EC-STR-41
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47



PLAN NOTES:

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE AREAS NORTH AND SOUTH OF EXIST ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-32	0.84	8.00
OUT-33	0.06	4.00
OUT-34	0.05	3.33
OUT-35	1.35	2.00
OUT-36	1.58	2.00

EPSC PHASE 2 =
TRAFFIC CONTROL PHASE 1

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.193+00 TO STA.206+00

SCALE: 1"=50'

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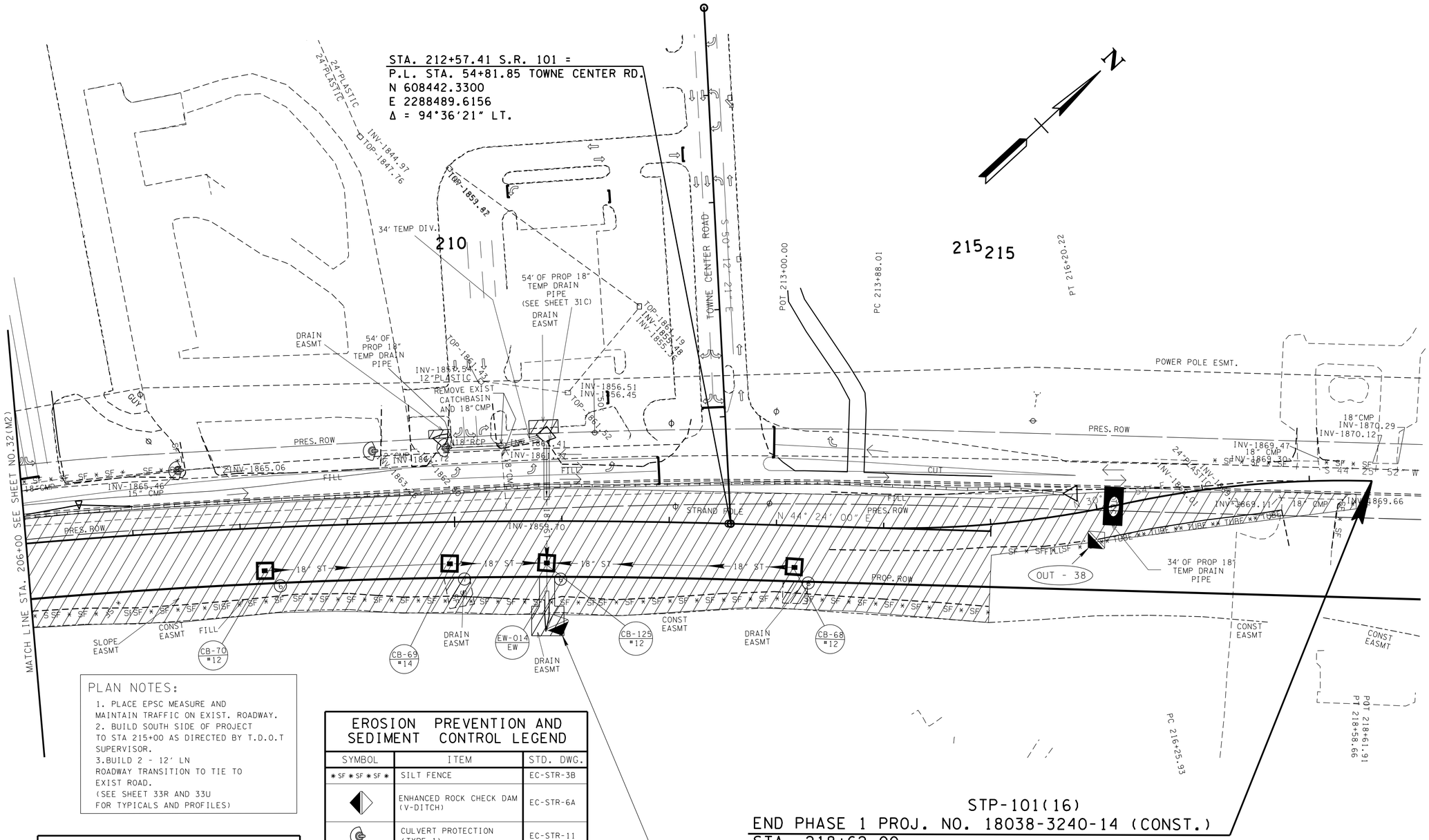
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(N2)
CONST	2015	STP-101(16)	32(N2)

REV. 5-22-13- ADDED SHEET.



PLAN NOTES:

1. PLACE EPSC MEASURE AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD SOUTH SIDE OF PROJECT TO STA 215+00 AS DIRECTED BY T.D.O.T SUPERVISOR.
3. BUILD 2 - 12' LN ROADWAY TRANSITION TO TIE TO EXIST ROAD.
(SEE SHEET 33R AND 33U FOR TYPICALS AND PROFILES)

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
◁	TEMPORARY ATTENUATOR

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-37	0.40	4.00
OUT-38	0.54	4.00

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
TCC	TEMPORARY CULVERT CROSSING (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-25
	TEMPORARY DIVERSION CHANNEL (DESCRIBE-SIZE AND TYPE OF LINING)	EC-STR-31
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47

STP-101(16)
END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STA. 218+62.00

CURVE TCP1FIVE
PI 215+04.68
N 608,618.9963
E 2,288,662.6201
Δ 13° 48' 06" (LT)
D 5° 56' 37"
R 964.00
L 232.21
T 116.67
NORMAL CROWN
DESIGN SPEED 45 MPH

CURVE TCP1SIX
PI 217+42.86
N 608,824.9895
E 2,288,784.4360
Δ 13° 49' 58" (RT)
D 5° 56' 37"
R 964.00
L 232.74
T 116.94
NORMAL CROWN
DESIGN SPEED 45 MPH

EPSC PHASE 2 =
TRAFFIC CONTROL PHASE 1

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.206+00 TO STA.219+00
SCALE: 1"=50'

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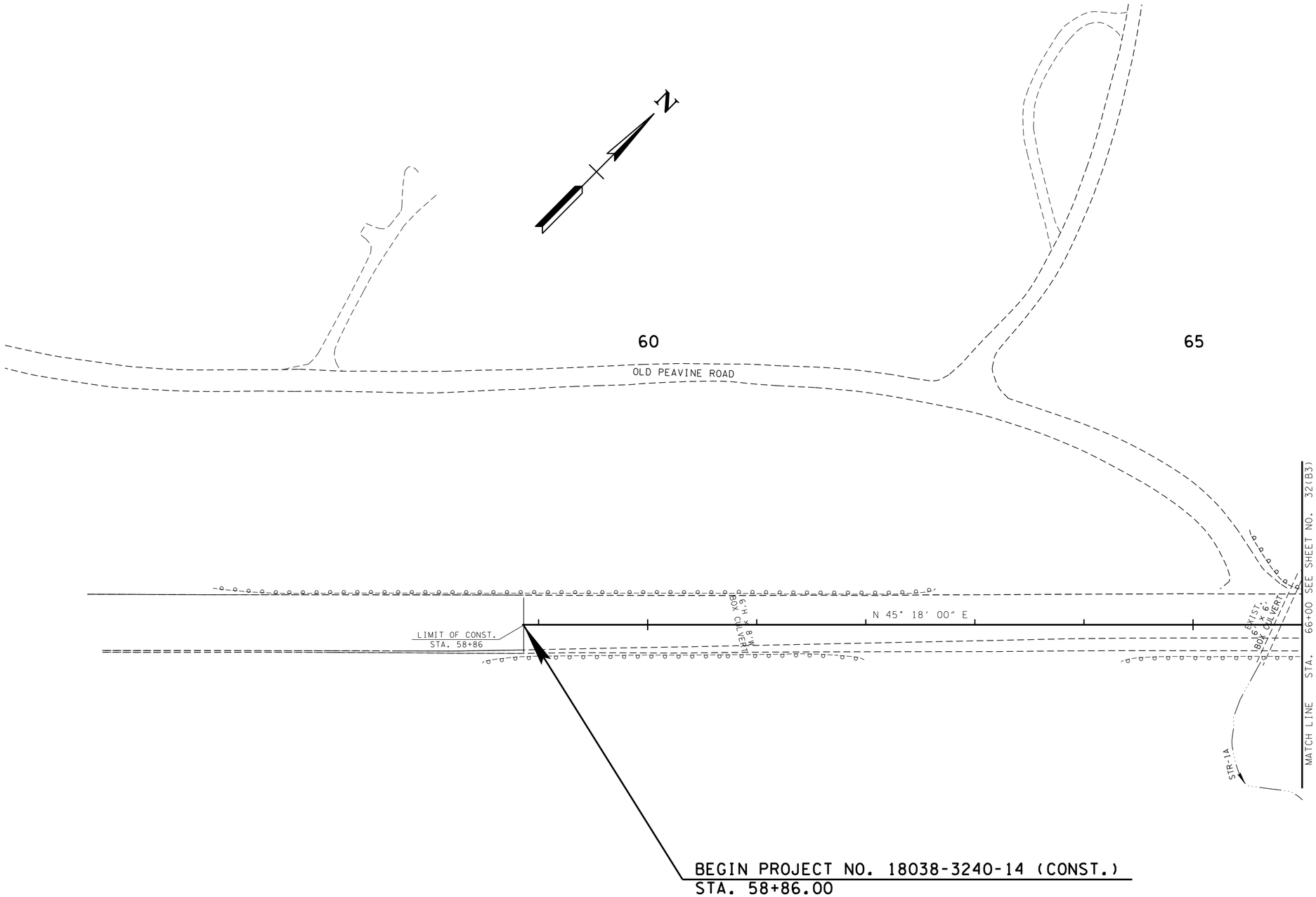
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(A3)
CONST	2015	STP-101(16)	32(A3)

REV. 5-22-13- ADDED SHEET.



PHASE NOTES

1. MAINTAIN TRAFFIC ON EXIST. ROAD.

EPSC PHASE 3 =
TRAFFIC CONTROL PHASE 2

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.56+00 TO STA.66+00

SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(B3)
CONST	2015	STP-101(16)	32(B3)

REV. 5-22-13- ADDED SHEET.
REV. 3-09-15- REMOVED WTL-2 PER ENV REQ.
REV. 5-13-15- REVISED OUT-54 TO OUT-3 PER ENV REQ.

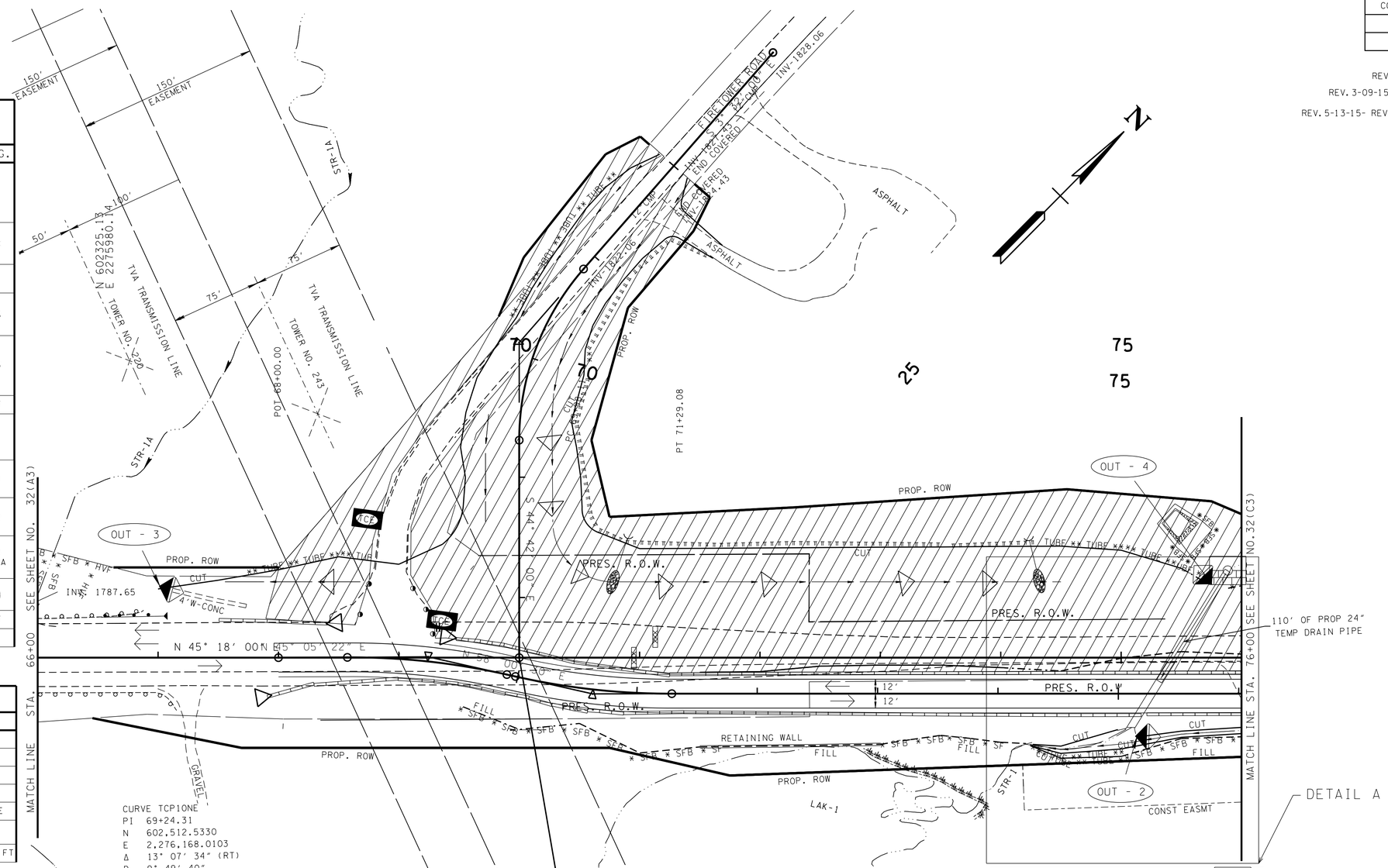
OUTFALL	AREA (AC.)	SLOPE (%)
OUT-2	3.11	5.71
OUT-4	4.40	5.00
OUT-3	0.47	0.50

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB	SEDIMENT FILTER BAG	EC-STR-2
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
	TEMPORARY BERM	EC-STR-27
	TEMPORARY SLOPE DRAIN WITH TEMPORARY BERM	EC-STR-27
	TEMPORARY DIVERSION CHANNEL (DESCRIBE-SIZE AND TYPE OF LINING)	EC-STR-31
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
	SUSPENDED PIPE DIVERSION	EC-STR-33 EC-STR-33A
	EROSION CONTROL BLANKET	EC-STR-34
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

TRAFFIC CONTROL LEGEND

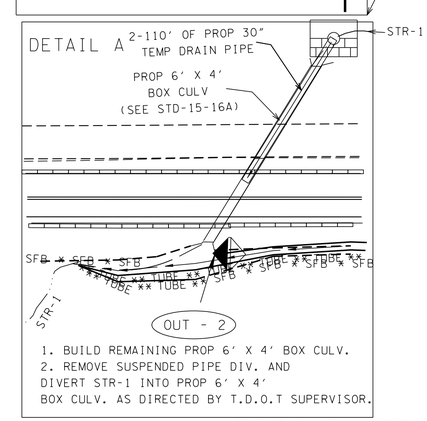
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
* HVF * HVF	HIGH VISIBILITY CONSTRUCTION FENCE
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT



CURVE TCP1ONE
PI 69+24.31
N 602,512.5330
E 2,276,168.0103
Δ 13° 07' 34" (RT)
D 9° 49' 40"
R 583.00
L 133.56
T 67.07
NORMAL CROWN
DESIGN SPEED 35 MPH

CURVE TCP1TWO
PI 70+63.87
N 602,586.7859
E 2,276,286.8783
Δ 12° 52' 17" (LT)
D 9° 49' 40"
R 583.00
L 130.97
T 65.76
NORMAL CROWN
DESIGN SPEED 35 MPH

STA. 70+00.00 S.R. 101 =
STA. 29+50.00 FIRETOWER RD.
N 602565.2800
E 2276222.3070
Δ = 90°00'00" RT.



1. BUILD REMAINING PROP 6' X 4' BOX CULV.
2. REMOVE SUSPENDED PIPE DIV. AND DIVERT STR-1 INTO PROP 6' X 4' BOX CULV. AS DIRECTED BY T.D.O.T SUPERVISOR.

PLAN NOTES:

1. PLACE EPSC MEASURES AND DETOUR TRAFFIC FROM EXIST ROADWAY TO PROP 2 LN TEMP. ROAD.
2. SEE DETAIL A.
3. BUILD IN WORK ZONE AREA ON NORTH SIDE AS DIRECTED BY TDOT SUPERVISOR.

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.

EPSC PHASE 3 =
TRAFFIC CONTROL PHASE 2

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.66+00 TO STA.76+00

SCALE: 1"=50'

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

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB	SEDIMENT FILTER BAG	EC-STR-2
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

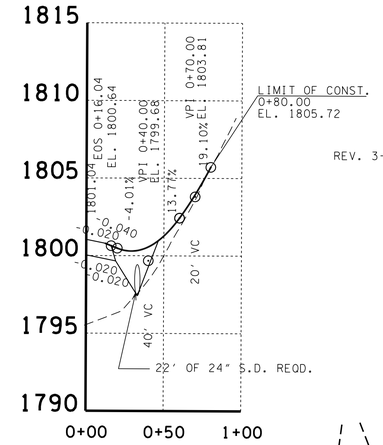
SYMBOL	ITEM	STD. DWG.
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
	TEMPORARY DIVERSION CHANNEL (DESCRIBE-SIZE AND TYPE OF LINING)	EC-STR-31
	SAND BAG BERM	EC-STR-33
	EROSION CONTROL BLANKET	EC-STR-34
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

TRAFFIC CONTROL LEGEND

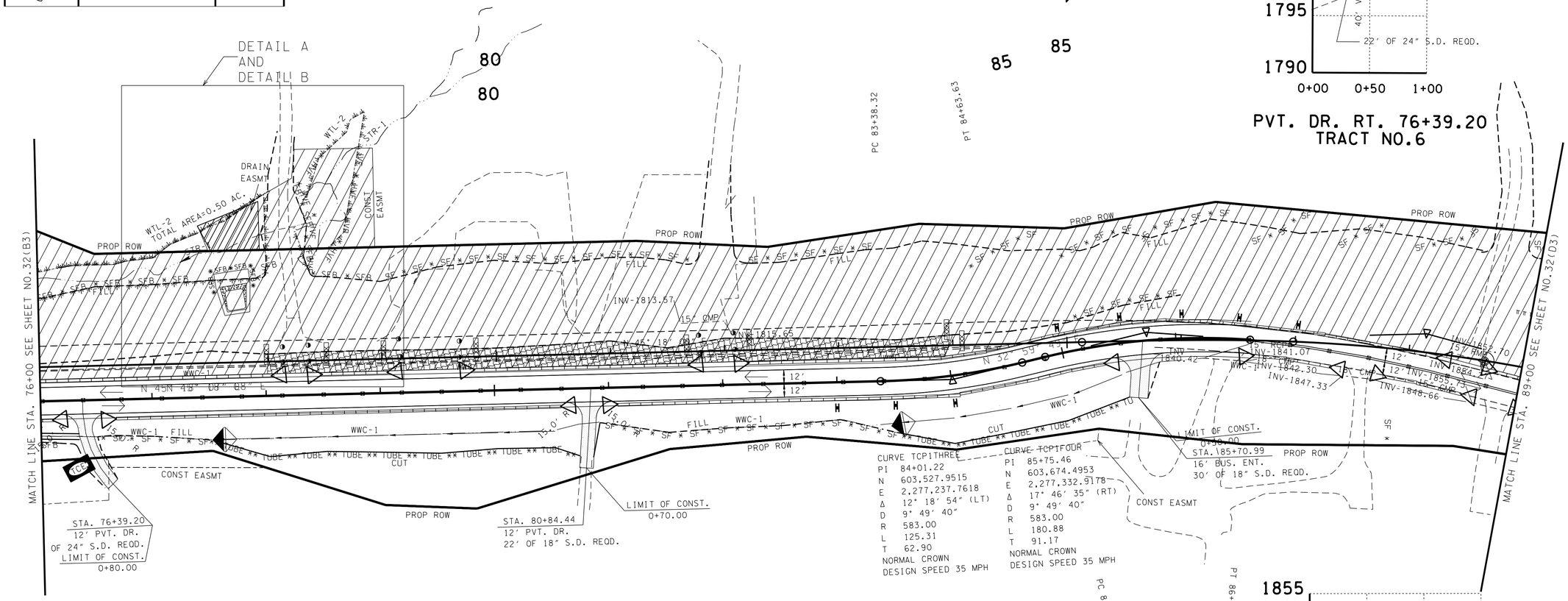
SYMBOL	ITEM
	WORK ZONE
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
* HVF * HVF	HIGH VISIBILITY CONSTRUCTION FENCE
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT

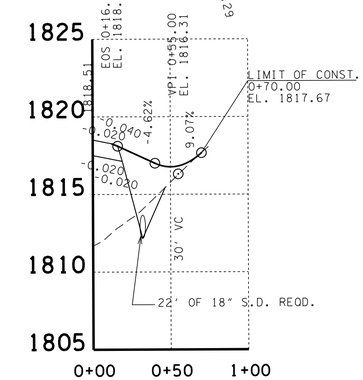
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(C3)
CONST	2015	STP-101(16)	32(C3)

REV. 5-22-13- ADDED SHEET.
REV. 3-09-15- REMOVED HVF AT STA.76+00LT PER ENV REQ.

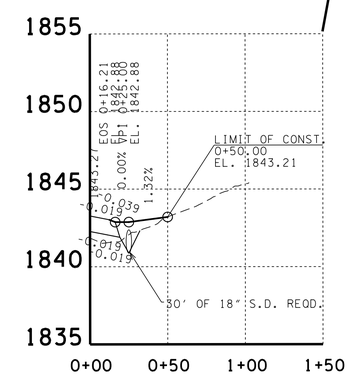


PVT. DR. RT. 76+39.20
TRACT NO.6



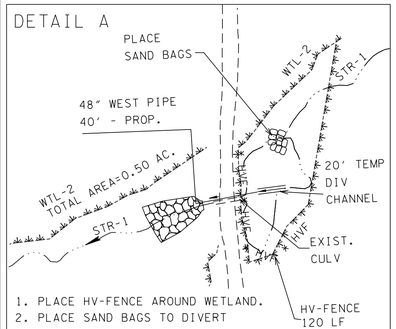


PVT. DR. RT. 80+84.44
TRACT NO.7



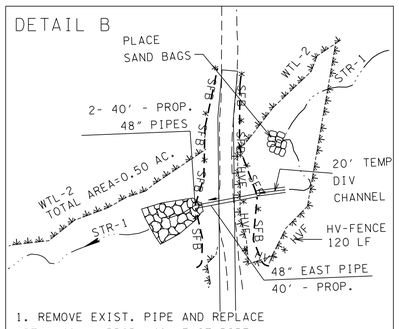
BUS. ENT. RT. 85+70.99
TRACT NO.9

DETAIL A



1. PLACE HV-FENCE AROUND WETLAND.
2. PLACE SAND BAGS TO DIVERT STR-1 INTO ONE CHANNEL.
3.BUILD PROP. 40' - 48" WEST PIPE AND RIP-RAP.(SEE SHEET 31)
4. BUILD 22' TEMP DIV. CHANNEL TO DIVERT STR-1 INTO PROP WEST 40' - 48" PIPE .

DETAIL B



1. REMOVE EXIST. PIPE AND REPLACE WITH 40' - PROP. 48" EAST PIPE. (SEE SHEET 31)
2. BUILD DRIVEWAY AND REPLACE HV-FENCE IDENTIFYING WETLAND.

PLAN NOTES:

1. PLACE EPSC MEASURES AND DETOUR TRAFFIC ON PROP 2 LN TEMP. ROAD TO EXIST. ROADWAY.
2. SEE DETAIL A & B
3. BUILD IN WORK ZONE AREA ON NORTH SIDE OF EXIST. ROAD AS DIRECTED BY TDOT SUPERVISOR.

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.

EPSC PHASE 3 =
TRAFFIC CONTROL PHASE 2

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.76+00 TO STA.89+00
SCALE: 1"=50'

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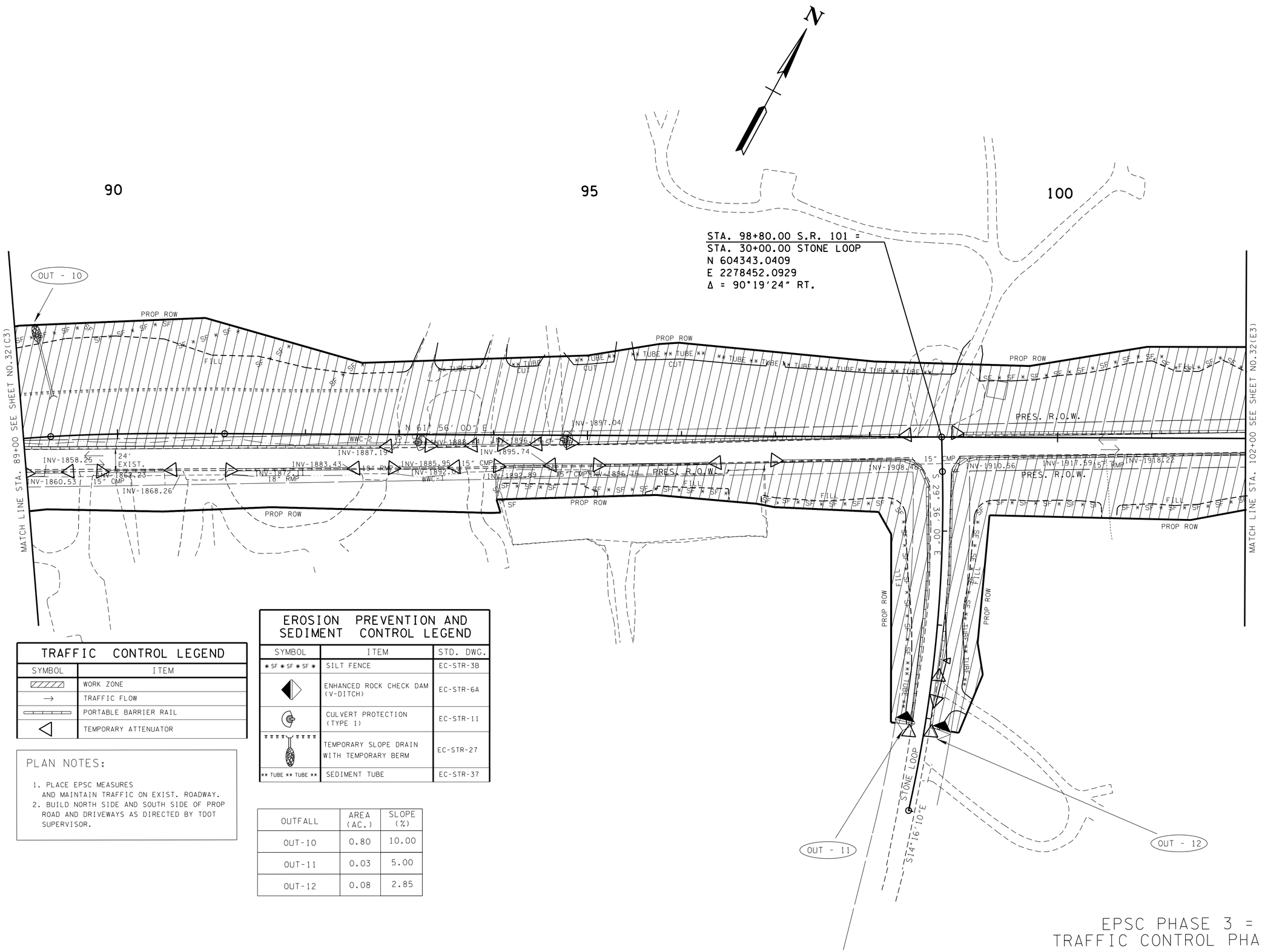
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(D3)
CONST	2015	STP-101(16)	32(D3)

REV. 5-22-13- ADDED SHEET.



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
◁	TEMPORARY ATTENUATOR

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY SLOPE DRAIN WITH TEMPORARY BERM	EC-STR-27
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

PLAN NOTES:

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD NORTH SIDE AND SOUTH SIDE OF PROP ROAD AND DRIVEWAYS AS DIRECTED BY TDOT SUPERVISOR.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-10	0.80	10.00
OUT-11	0.03	5.00
OUT-12	0.08	2.85

EPSC PHASE 3 =
TRAFFIC CONTROL PHASE 2

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.89+00 TO STA.102+00

SCALE: 1"=50'

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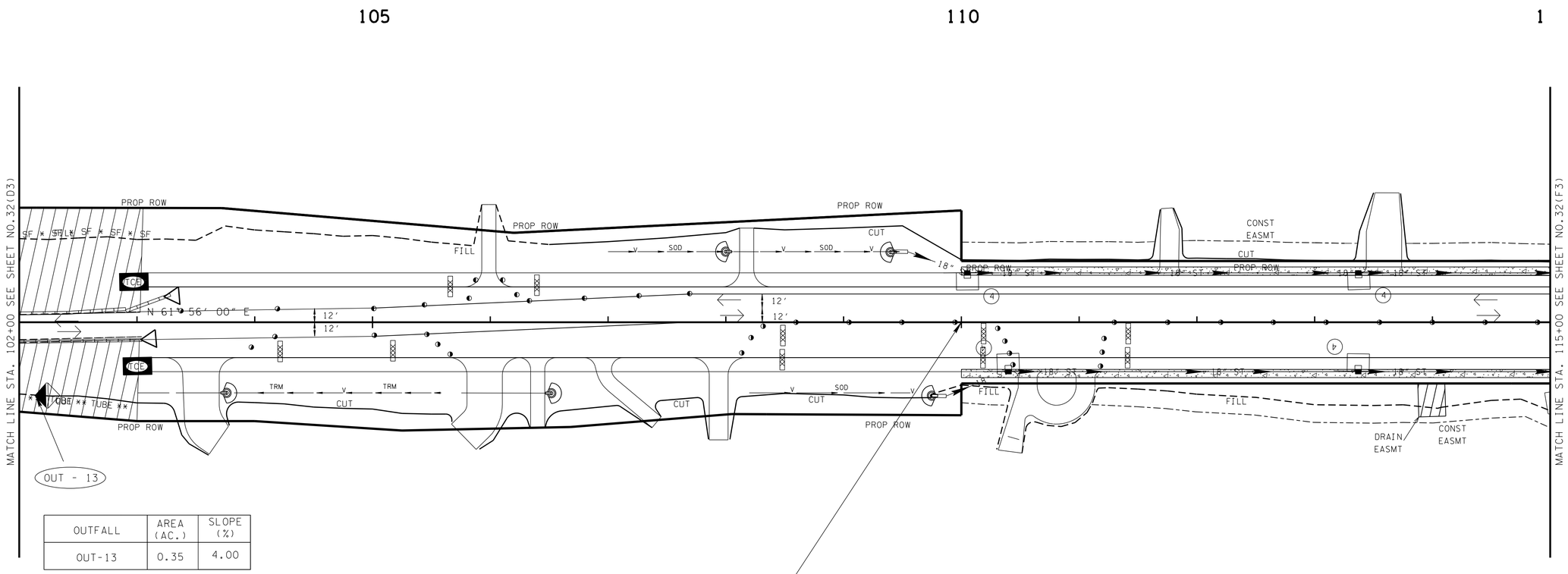
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(E3)
CONST	2015	STP-101(16)	32(E3)

REV. 5-22-13- ADDED SHEET.



OUTFALL	AREA (AC.)	SLOPE (%)
OUT-13	0.35	4.00

PHASE NOTES

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON EXISTING ROADWAY TO STA 105+00 THEN DETOUR TRAFFIC TO PROP. 2 LN ROADWAY.
2. BUILD NORTH AND SOUTH SIDE OF PROP ROADWAY TO STA 103+00 AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.102+00 TO STA.115+00

SCALE: 1"=50'

EPSC PHASE 3=
TRAFFIC CONTROL PHASE 2

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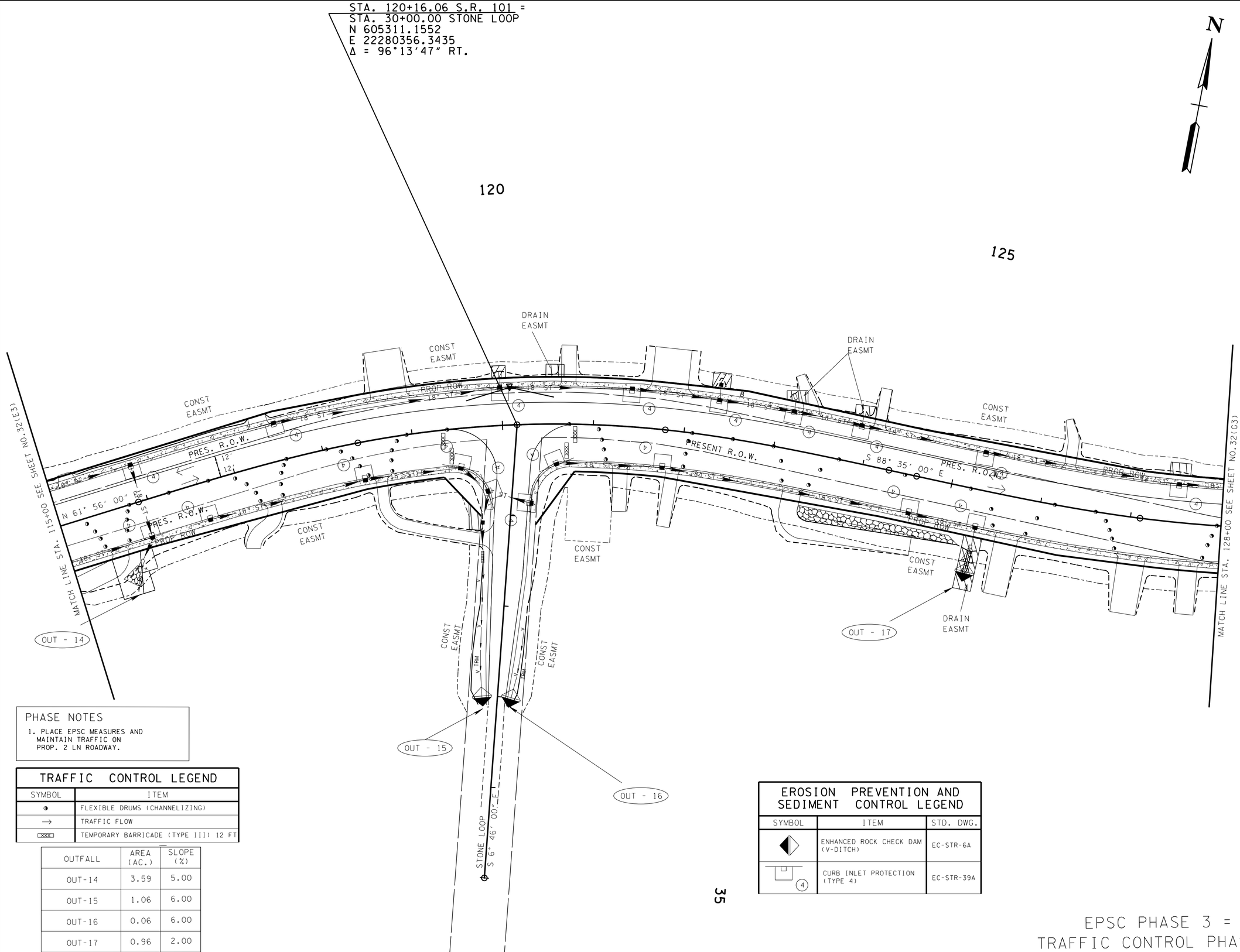
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(F3)
CONST	2015	STP-101(16)	32(F3)

REV. 5-22-13- ADDED SHEET.



PHASE NOTES

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON PROP. 2 LN ROADWAY.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
◑	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
▭	TEMPORARY BARRICADE (TYPE III) 12 FT

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-14	3.59	5.00
OUT-15	1.06	6.00
OUT-16	0.06	6.00
OUT-17	0.96	2.00

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
◆	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
(4)	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

EPSC PHASE 3 =
TRAFFIC CONTROL PHASE 2

SEALED BY

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NOT FOR BIDDING

COORDINATES ARE NAD/B3(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.115+00 TO STA.128+00
SCALE: 1"=50'

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

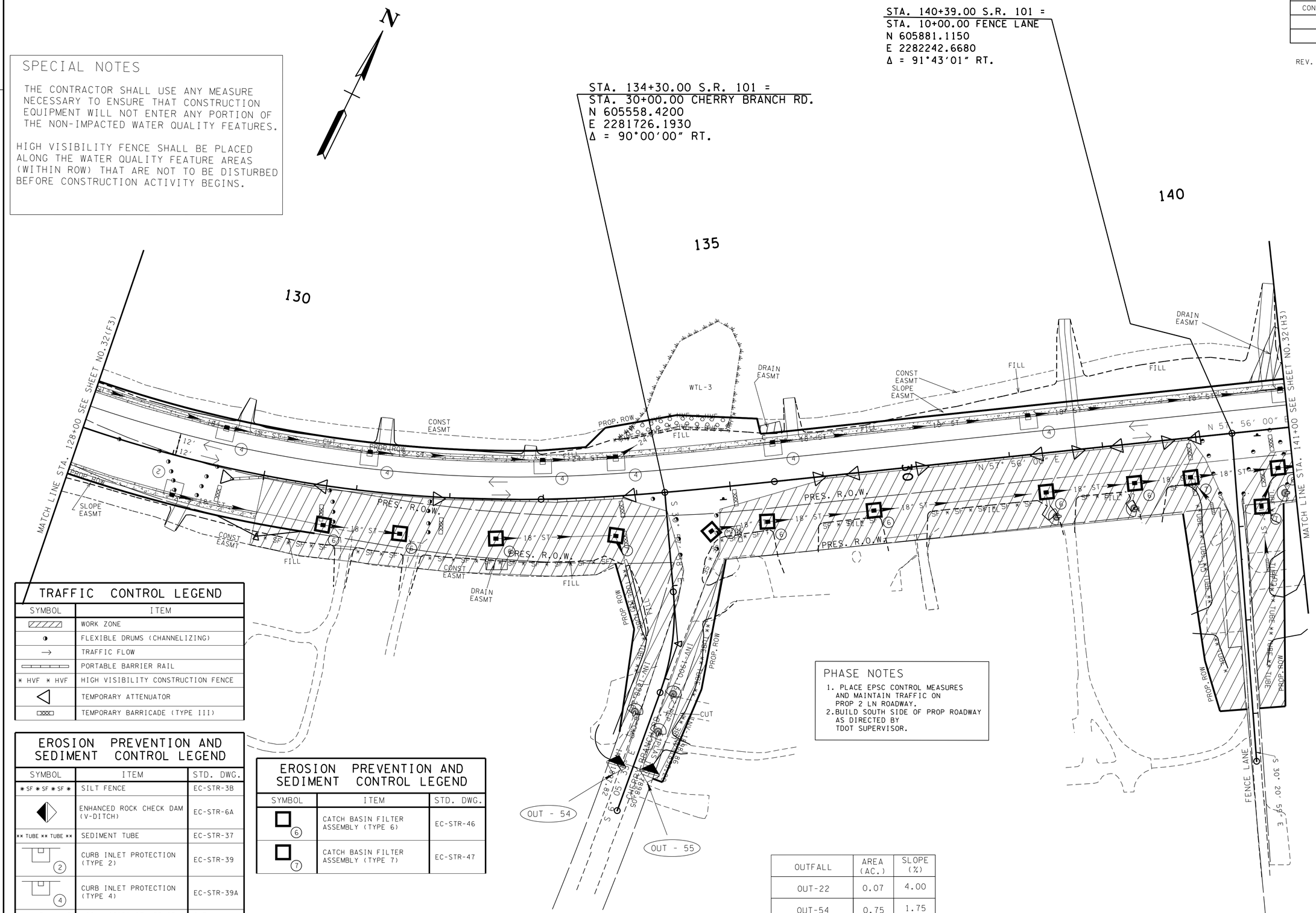
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	33(G3)
CONST	2015	STP-101(16)	32(G3)

REV. 5-22-13- ADDED SHEET.

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
* HVF * HVF	HIGH VISIBILITY CONSTRUCTION FENCE
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
2	CURB INLET PROTECTION (TYPE 2)	EC-STR-39
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47

PHASE NOTES

1. PLACE EPSC CONTROL MEASURES AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY.
2. BUILD SOUTH SIDE OF PROP ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-22	0.07	4.00
OUT-54	0.75	1.75
OUT-55	0.50	1.75

EPSC PHASE 3=
TRAFFIC CONTROL PHASE 2

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.128+00 TO STA.141+00

SCALE: 1"=50'

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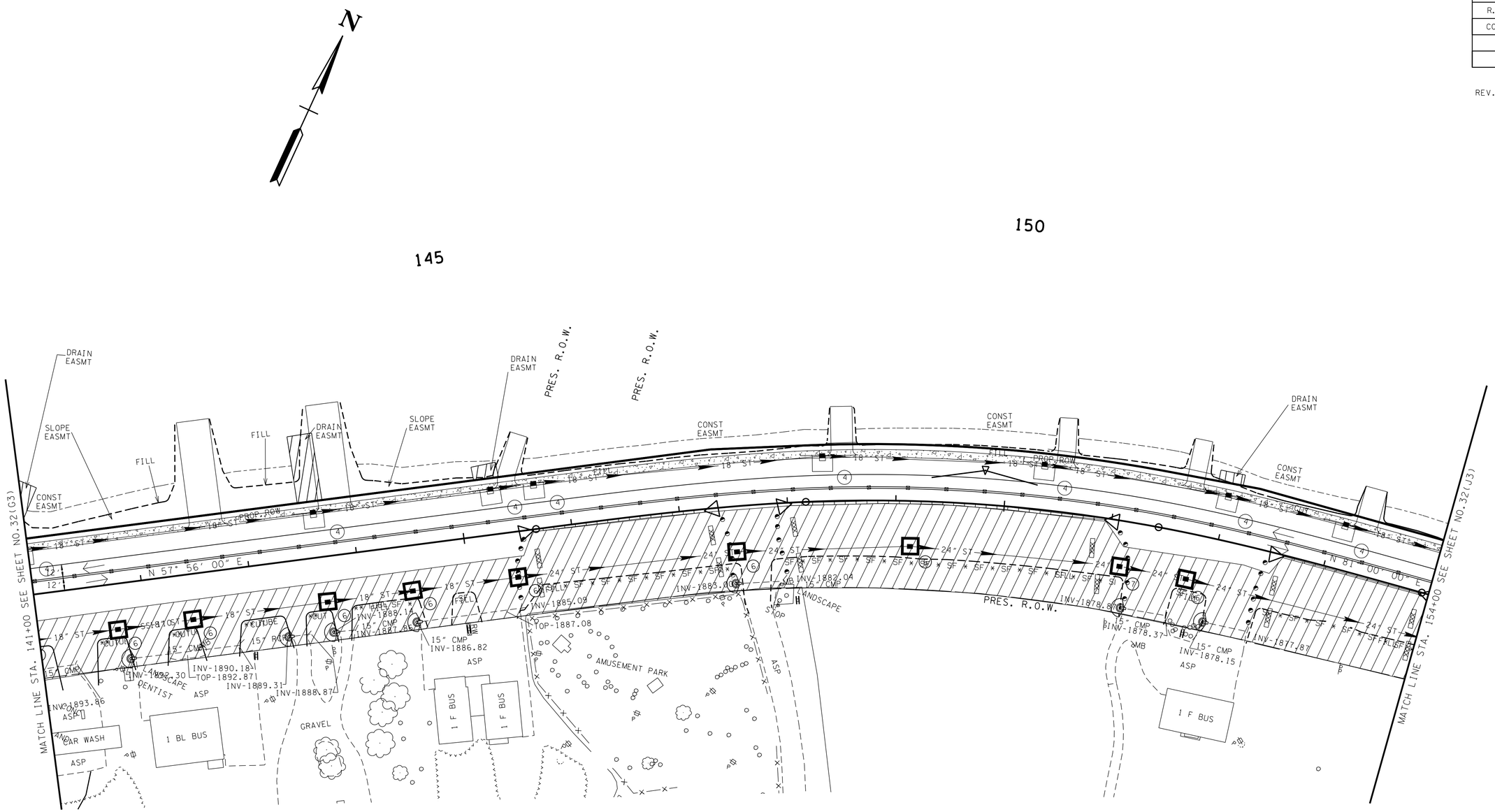
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(H3)
CONST	2015	STP-101(16)	32(H3)

REV. 5-22-13- ADDED SHEET.



PHASE NOTES

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY.
2. BUILD SOUTH SIDE OF PROP ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47

EPSC PHASE 3=
TRAFFIC CONTROL PHASE 2

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.141+00 TO STA.154+00

SCALE: 1"=50'

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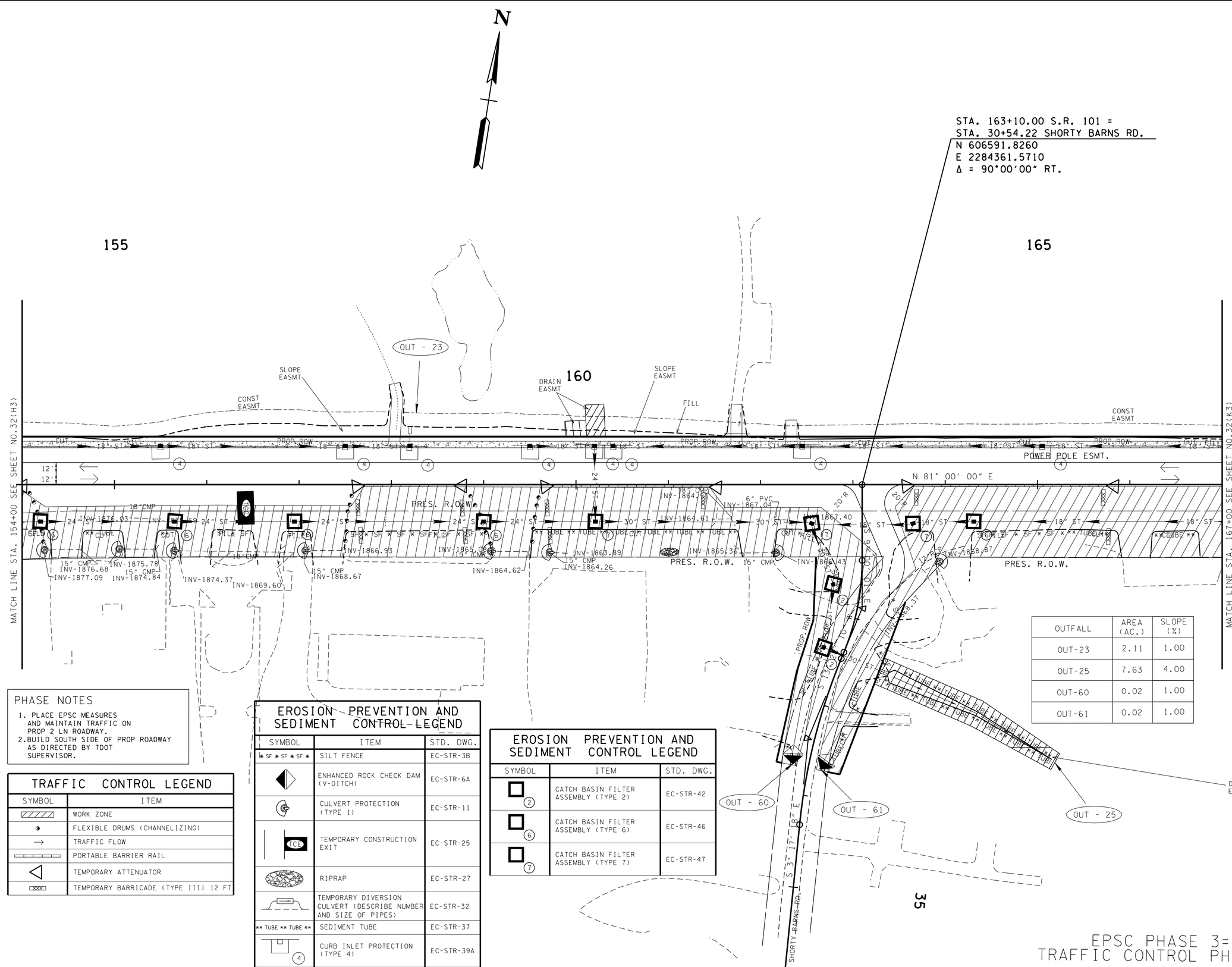
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(J3)
CONST	2015	STP-101(16)	32(J3)

REV. 5-22-13- ADDED SHEET.



OUTFALL	AREA (AC.)	SLOPE (%)
OUT-23	2.11	1.00
OUT-25	7.63	4.00
OUT-60	0.02	1.00
OUT-61	0.02	1.00

PHASE NOTES

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY.
2. BUILD SOUTH SIDE OF PROP ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
	RIPRAP	EC-STR-27
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.154+00 TO STA.167+00

SCALE: 1"=50'

EPSC PHASE 3=
TRAFFIC CONTROL PHASE 2

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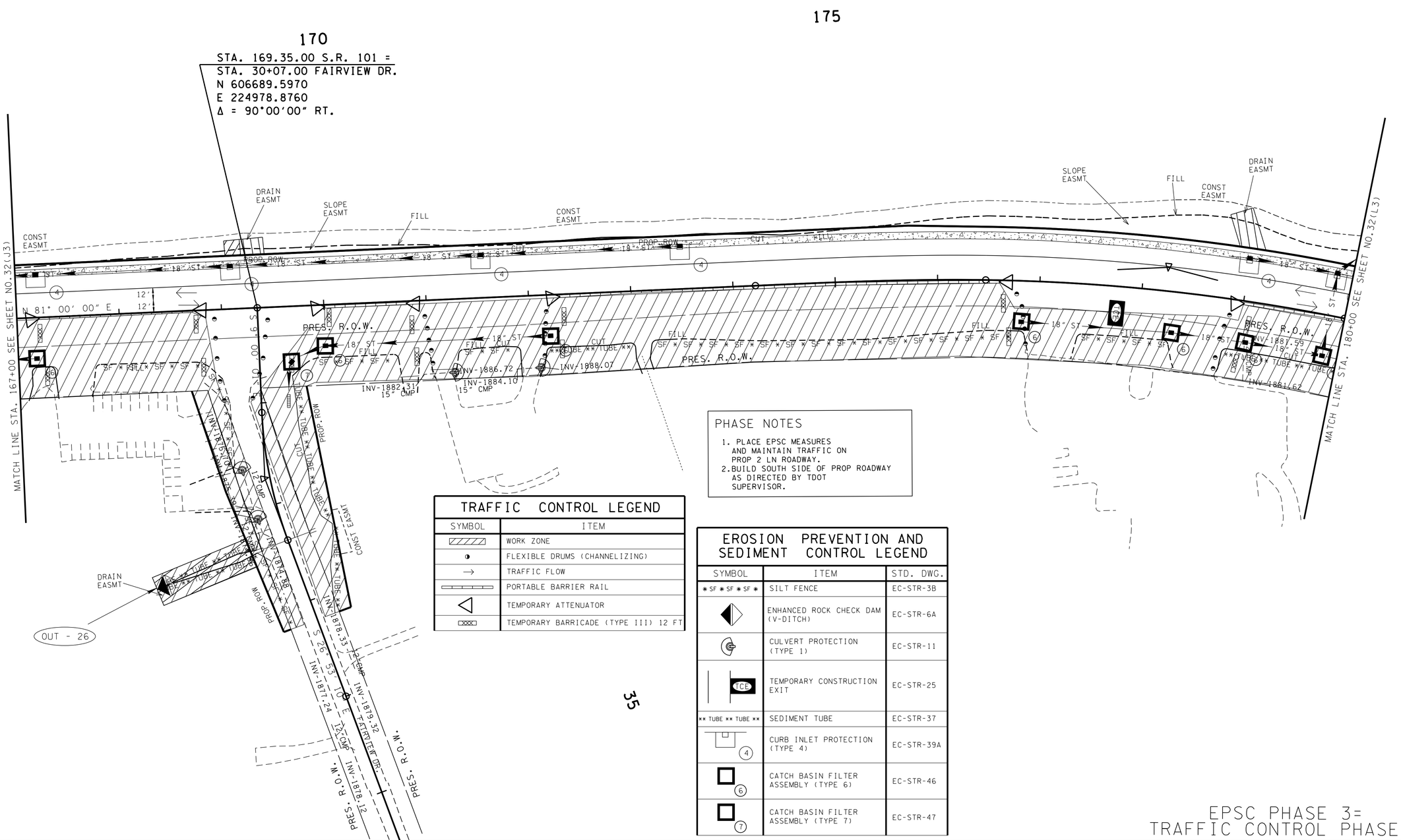
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-26	3.02	2.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(K3)
CONST	2015	STP-101(16)	32(K3)

REV. 5-22-13- ADDED SHEET.



PHASE NOTES

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY.
2. BUILD SOUTH SIDE OF PROP ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47

EPSC PHASE 3=
TRAFFIC CONTROL PHASE 2

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.167+00 TO STA.180+00

SCALE: 1"=50'

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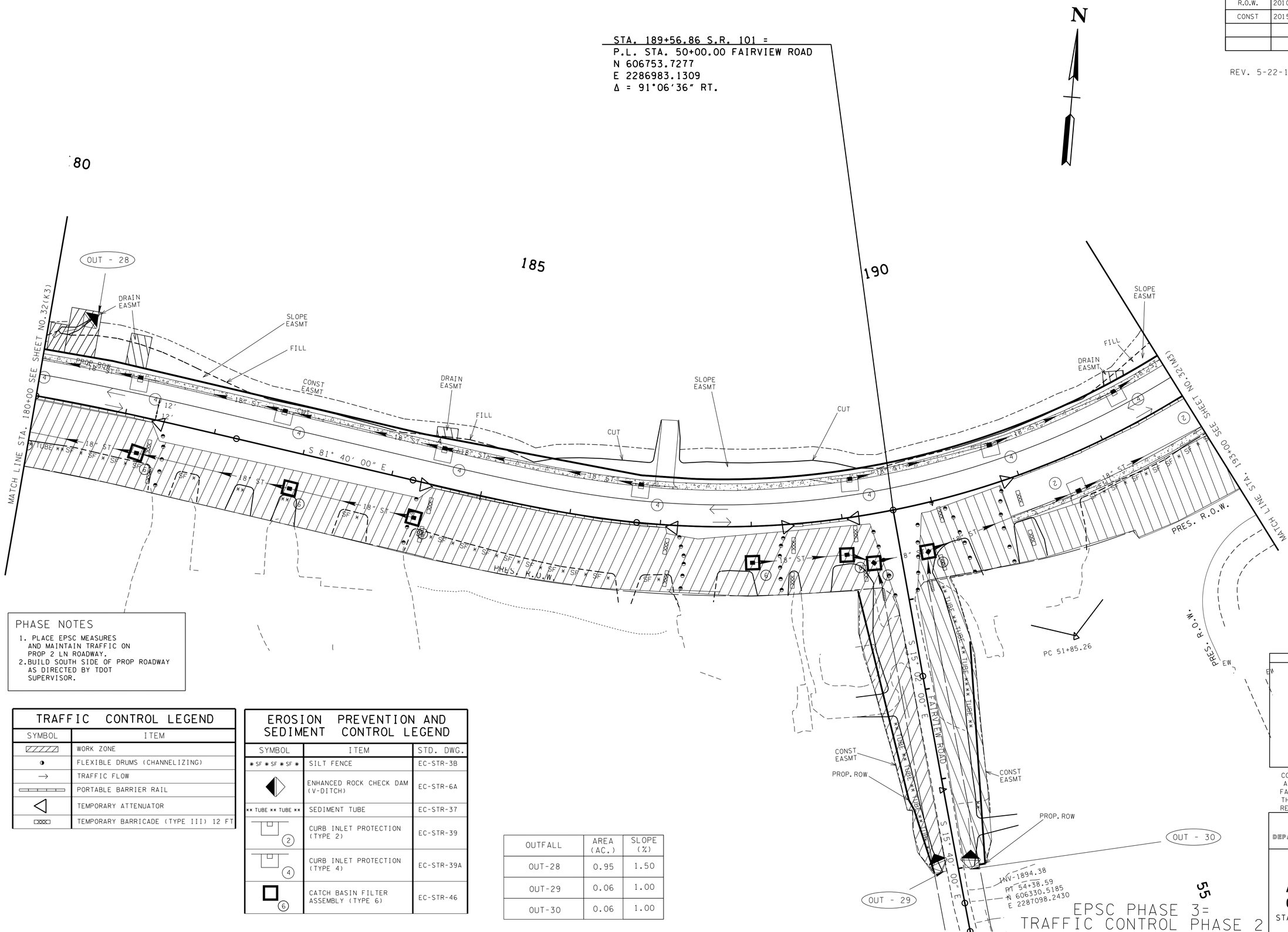
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(L3)
CONST	2015	STP-101(16)	32(L3)

REV. 5-22-13- ADDED SHEET.



PHASE NOTES

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY.
2. BUILD SOUTH SIDE OF PROP ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
2	CURB INLET PROTECTION (TYPE 2)	EC-STR-39
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-28	0.95	1.50
OUT-29	0.06	1.00
OUT-30	0.06	1.00

SEALED BY

UNOFFICIAL SET
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC PHASE 3=
TRAFFIC CONTROL PHASE 2

55

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.180+00 TO STA.193+00

SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(M3)
CONST	2015	STP-101(16)	32(M3)

REV. 5-22-13- ADDED SHEET.

PHASE NOTES

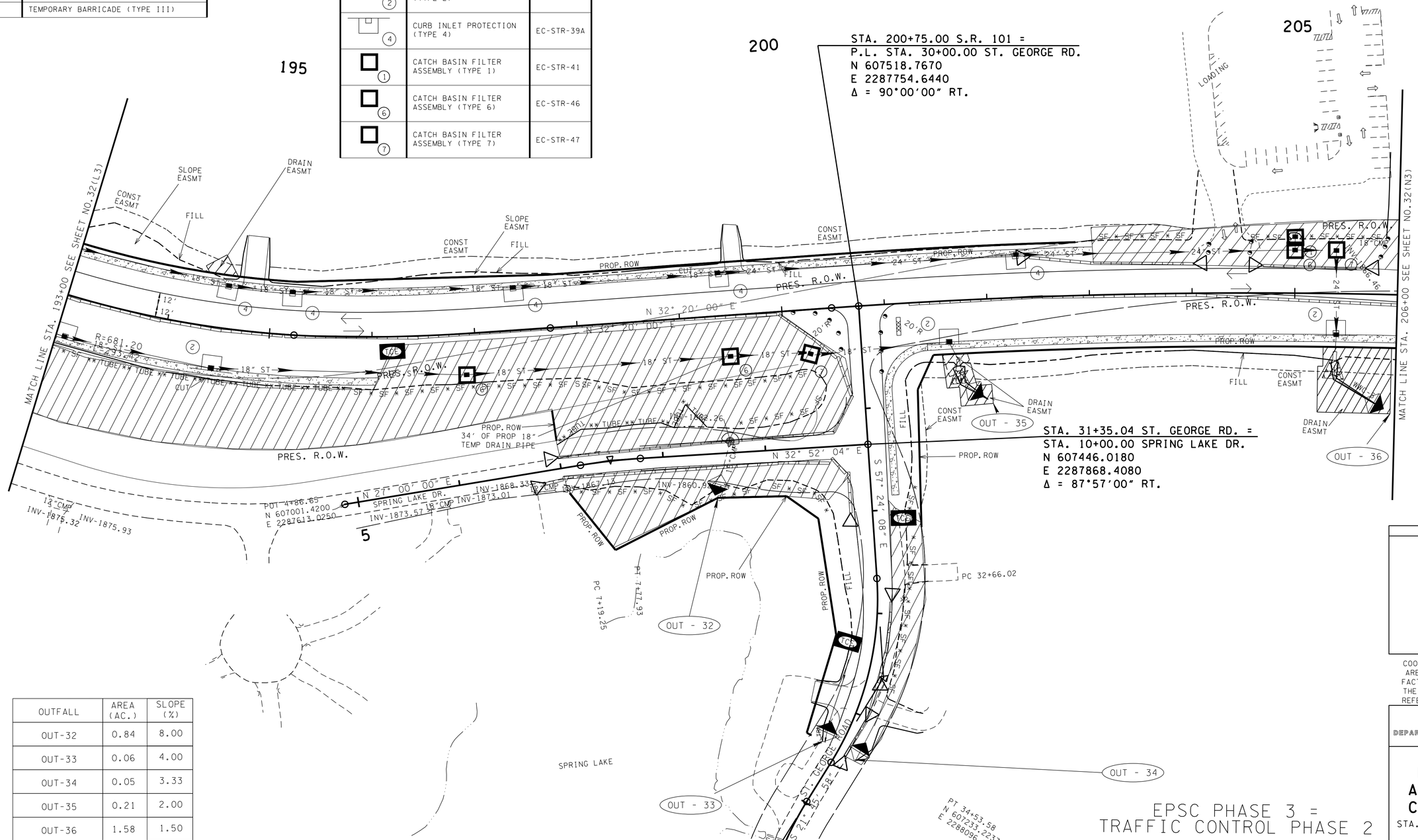
1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY.
2. BUILD NORTH AND SOUTH SIDE OF PROP ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
TCB	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
2	CURB INLET PROTECTION (TYPE 2)	EC-STR-39
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A
1	CATCH BASIN FILTER ASSEMBLY (TYPE 1)	EC-STR-41
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47



OUTFALL	AREA (AC.)	SLOPE (%)
OUT-32	0.84	8.00
OUT-33	0.06	4.00
OUT-34	0.05	3.33
OUT-35	0.21	2.00
OUT-36	1.58	1.50

EPSC PHASE 3 =
TRAFFIC CONTROL PHASE 2

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/B3(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.193+00 TO STA.206+00

SCALE: 1"=50'

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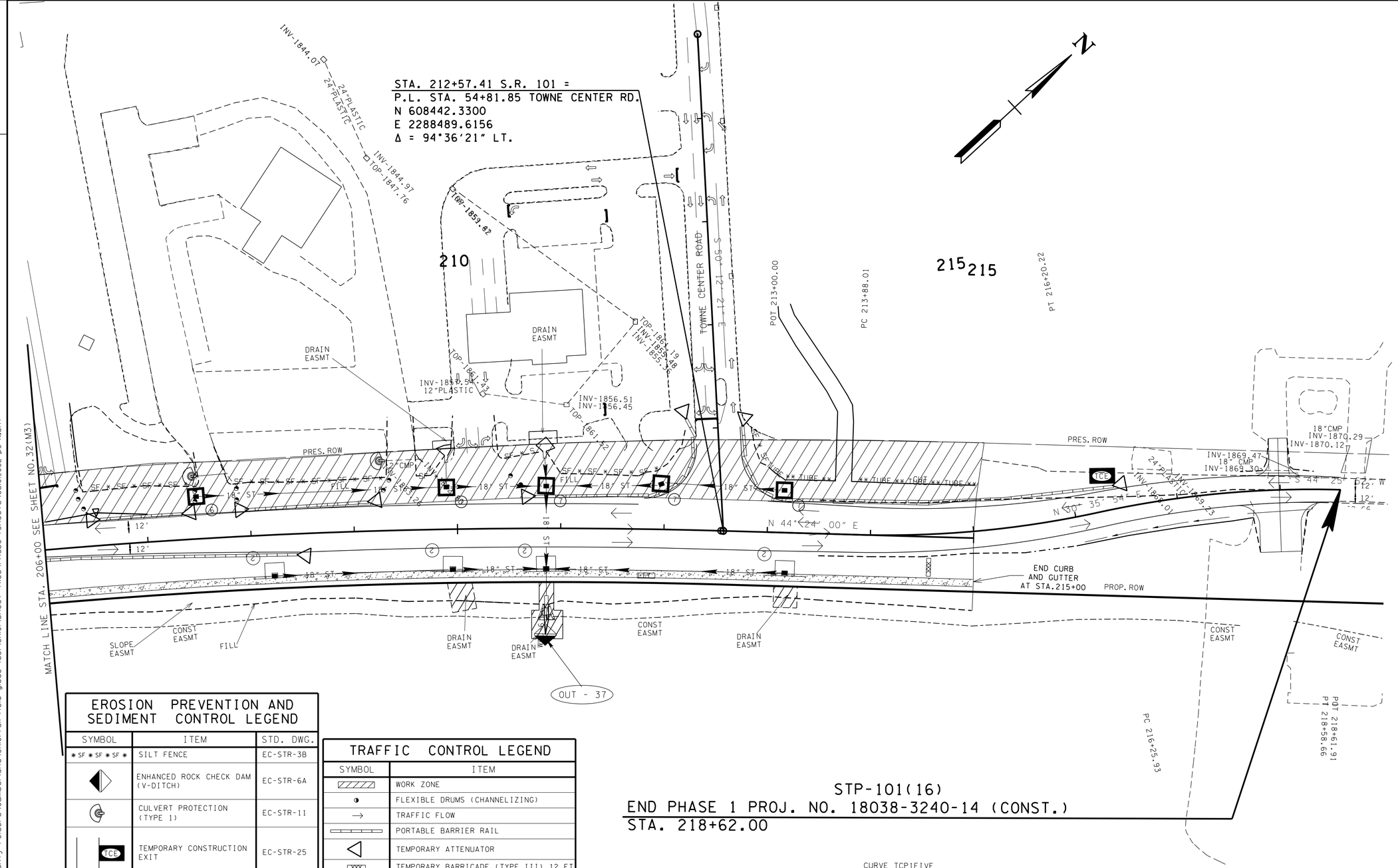
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(N3)
CONST	2015	STP-101(16)	32(N3)

REV. 5-22-13- ADDED SHEET.



STP-101(16)
END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STA. 218+62.00

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
2	CURB INLET PROTECTION (TYPE 2)	EC-STR-39
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT

PHASE NOTES

1. PLACE EPSC CONTROL MEASURES, PLACE PROP TEMP SIGNAL FOR INTERSECTION, AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY AND TURN LANE.
2. BUILD NORTH SIDE OF PROP ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-37	0.40	1.50

CURVE TCP1FIVE
PI 215+04.68
N 608,618.9963
E 2,288,662.6201
Δ 13° 48' 06" (LT)
D 5° 56' 37"
R 964.00
L 232.21
T 116.67
NORMAL CROWN
DESIGN SPEED 45 MPH

CURVE TCP1SIX
PI 217+42.86
N 608,824.9895
E 2,288,784.4360
Δ 13° 49' 58" (RT)
D 5° 56' 37"
R 964.00
L 232.74
T 116.94
NORMAL CROWN
DESIGN SPEED 45 MPH

EPSC PHASE 3=
TRAFFIC CONTROL PHASE 2

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.206+00 TO STA.219+00
SCALE: 1"=50'

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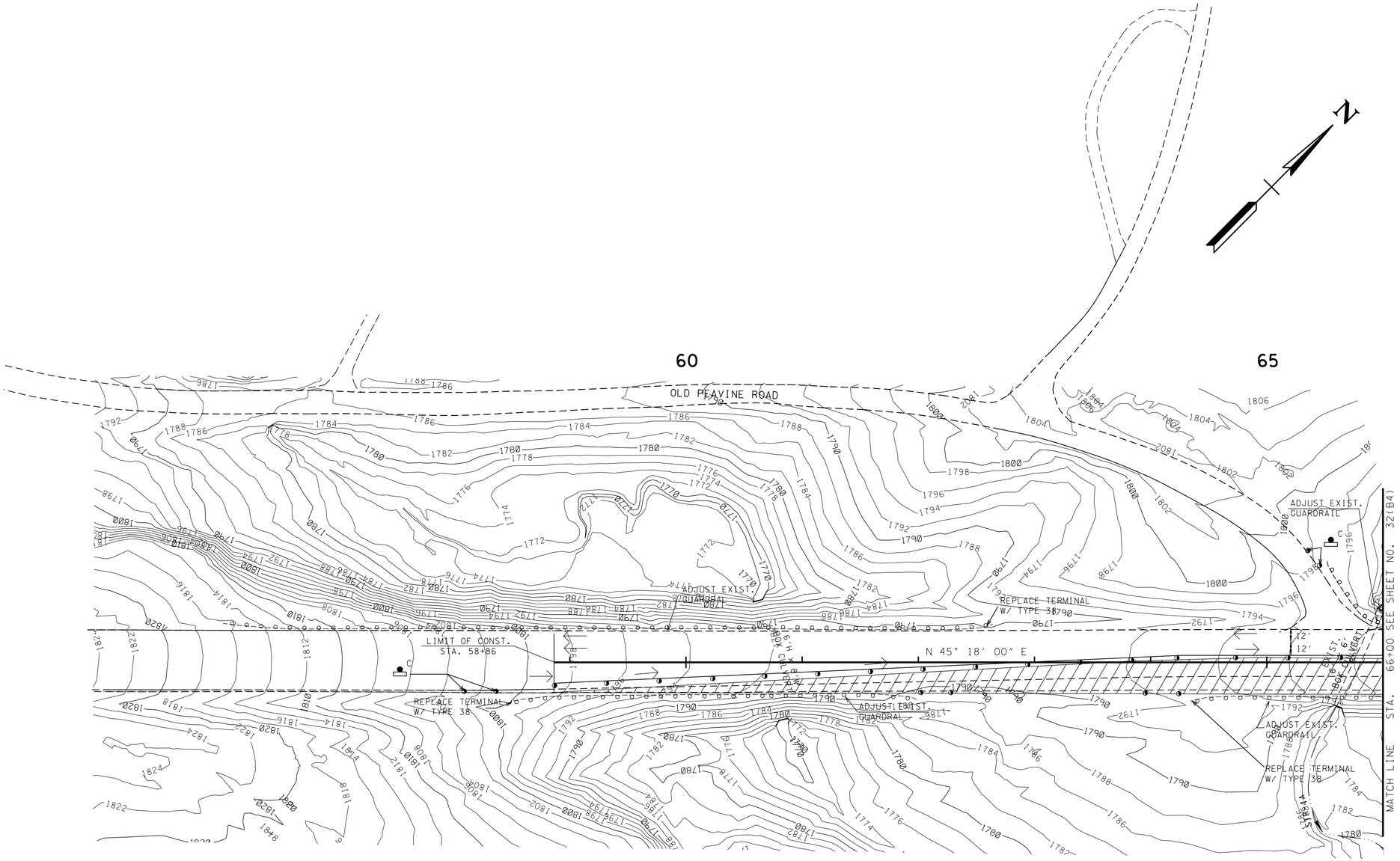
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(A4)
CONST	2015	STP-101(16)	32(A4)

REV. 5-22-13- ADDED SHEET.



PHASE NOTES

1. DETOUR TRAFFIC TO PROP 2 LN ROADWAY.
2. RESURFACE 814' AS DIRECTED BY T.D.O.T SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
◑	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
C	WARNING LIGHT (TYPE C) (STEADY)
▨	WORK ZONE

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.56+00 TO STA.66+00

SCALE: 1"=50'

EPSC PHASE 4=
TRAFFIC CONTROL PHASE 3
PROPOSED CONTOURS SHOWN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(B4)
CONST	2015	STP-101(16)	32(B4)

REV. 5-22-13- ADDED SHEET.

SPECIAL NOTES

RIP-RAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIP-RAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIP-RAP SHALL BE FILL WITH CREEK GRAVEL TO PREVENT LOSS OF STREAM WITHIN THE RIP-RAP AREAS. CREEK GRAVEL CAN BE REMOVED FROM THE CULVERT EXCAVATION AREA.

FOR TREE PLANTINGS SEE SHEET 32Y AND 32Z FOR WETLAND AND STREAM MITIGATION INFORMATION.

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.

PLAN NOTES:

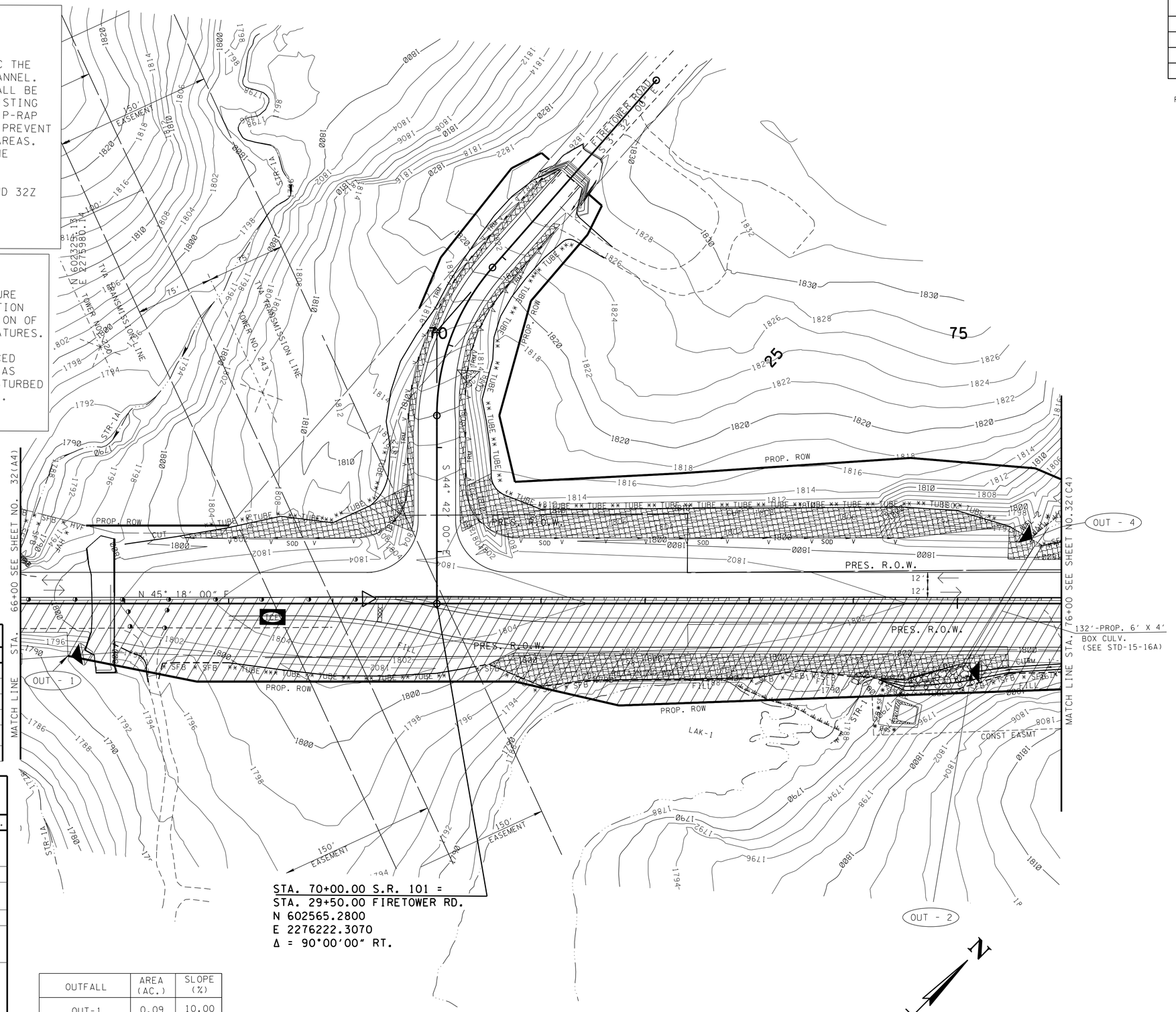
1. PLACE EPSC MEASURES, REMOVE STRIPING FROM PHASE 2, AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY.
2. REMOVE 2 LN TEMP ROADWAY FROM STA. 68+00 TO STA. 76+00. (ALL COSTS ASSOCIATED WITH REMOVAL OF 2 LN TEMP ROAD WILL BE PAID FOR UNDER OTHER ITEMS.)
3. FINISH PROP ROADWAY IN WORK ZONE AREA ON SOUTH SIDE AS DIRECTED BY T.D.O.T SUPERVISOR.
4. FINISH ROAD.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	WORK ZONE
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
	EROSION CONTROL BLANKET	EC-STR-34
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
SFB SFB SFB SFB	SEDIMENT FILTER BAG	EC-STR-2



OUTFALL	AREA (AC.)	SLOPE (%)
OUT-1	0.09	10.00
OUT-2	3.00	2.00
OUT-4	4.40	5.00

EPSC PHASE 4=
TRAFFIC CONTROL PHASE 3
PROPOSED CONTOURS SHOWN

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/B3(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.66+00 TO STA.76+00

SCALE: 1"=50'

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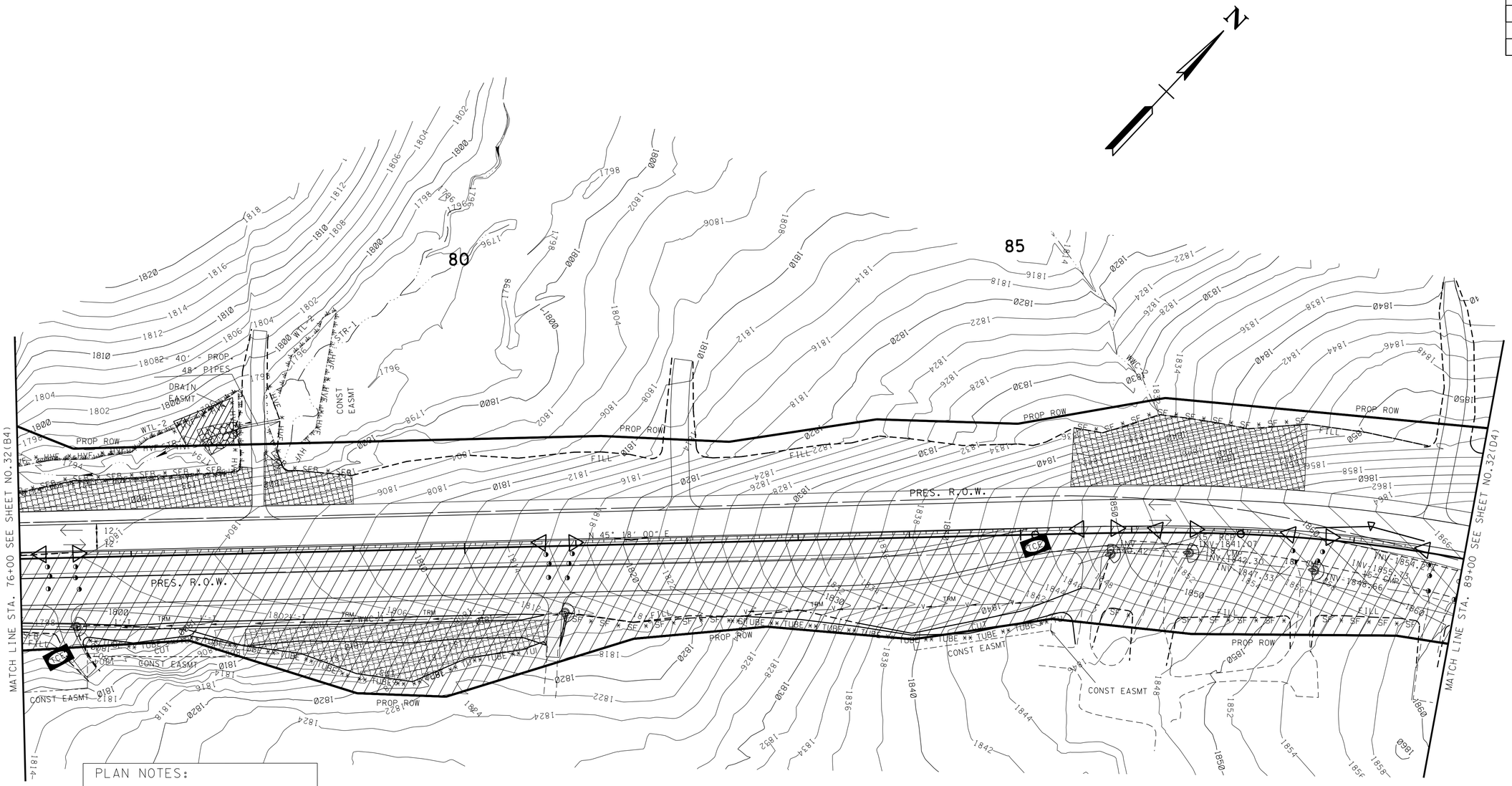
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(C4)
CONST	2015	STP-101(16)	32(C4)

REV. 5-22-13- ADDED SHEET.



PLAN NOTES:

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY.
2. REMOVE 2 LN TEMP ROADWAY FROM STA. 76+00 TO STA. 86+60. (ALL COSTS ASSOCIATED WITH REMOVAL OF 2 LN TEMP ROAD WILL BE PAID FOR UNDER OTHER ITEMS.)
3. FINISH PROP ROADWAY IN WORK ZONE AREA ON SOUTH SIDE AS DIRECTED BY T.D.O.T SUPERVISOR.
4. FINISH ROAD.

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
	EROSION CONTROL BLANKET	EC-STR-34
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
	CULVERT PROTECTION (TYPE 1)	EC-STR-11

EPSC PHASE 4=
TRAFFIC CONTROL PHASE 3
PROPOSED CONTOURS SHOWN

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF L00013 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.76+00 TO STA.89+00

SCALE: 1"=50'

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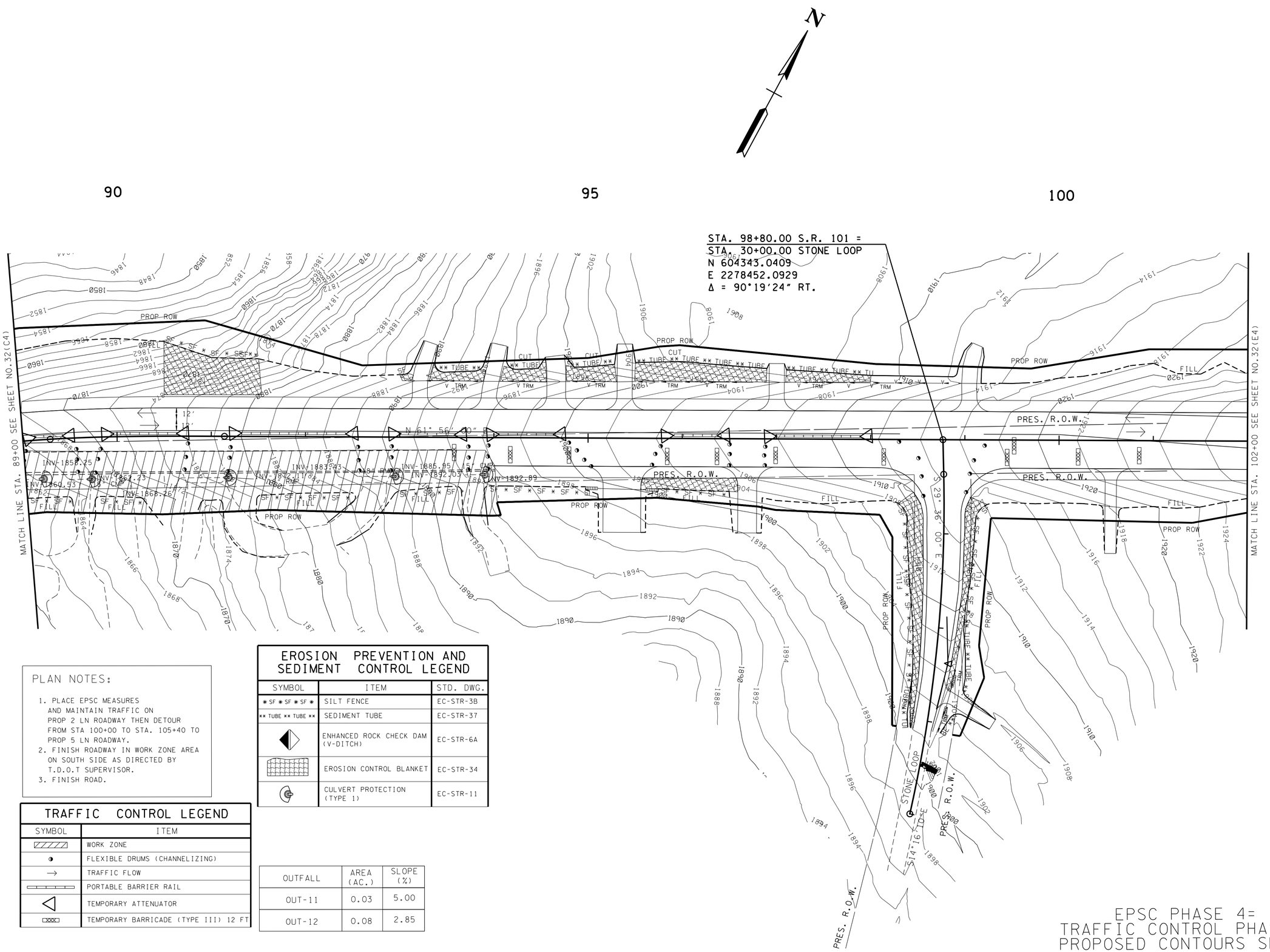
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(D4)
CONST	2015	STP-101(16)	32(D4)

REV. 5-22-13- ADDED SHEET.



PLAN NOTES:

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY THEN DETOUR FROM STA 100+00 TO STA. 105+40 TO PROP 5 LN ROADWAY.
2. FINISH ROADWAY IN WORK ZONE AREA ON SOUTH SIDE AS DIRECTED BY T.D.O.T SUPERVISOR.
3. FINISH ROAD.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	EROSION CONTROL BLANKET	EC-STR-34
	CULVERT PROTECTION (TYPE 1)	EC-STR-11

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-11	0.03	5.00
OUT-12	0.08	2.85

EPSC PHASE 4=
TRAFFIC CONTROL PHASE 3
PROPOSED CONTOURS SHOWN

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.89+00 TO STA.102+00

SCALE: 1"=50'

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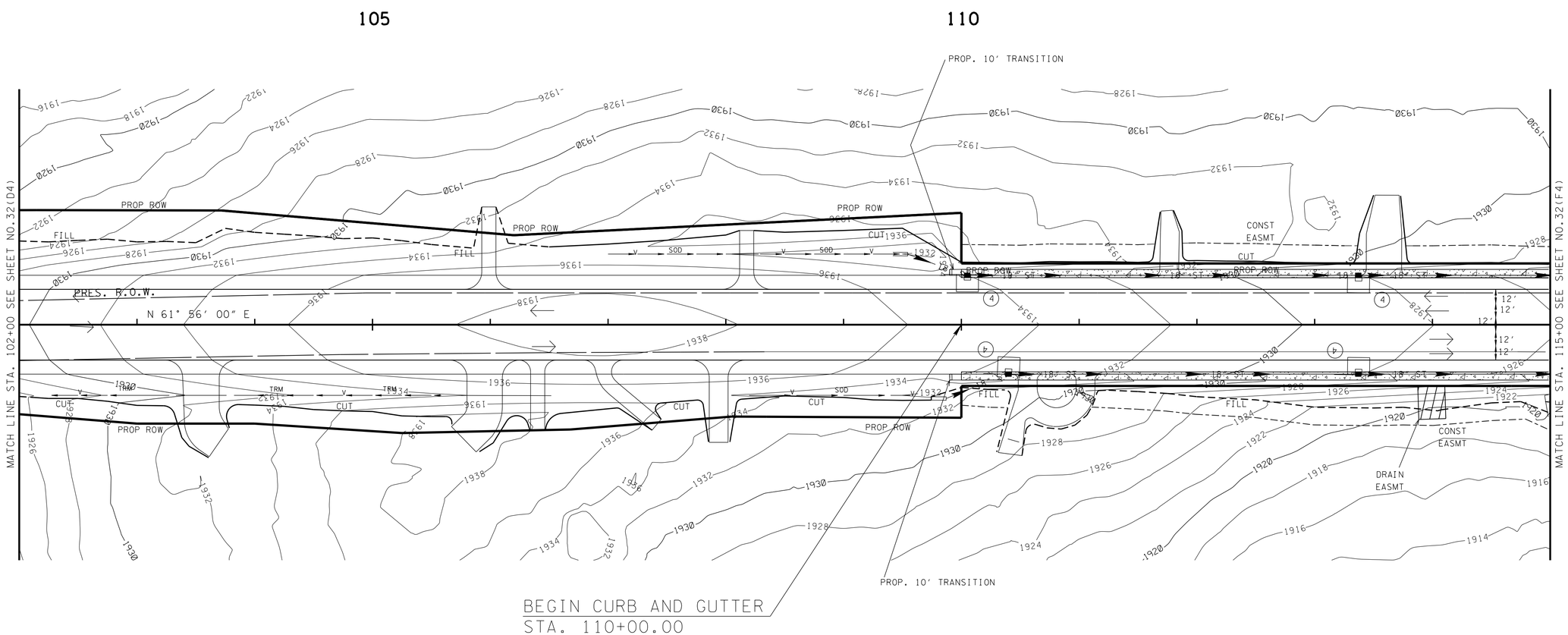
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W	2010	STP-101(16)	32(E4)
CONST	2015	STP-101(16)	32(E4)

REV. 5-22-13- ADDED SHEET.



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
(4)	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

PHASE NOTES

1. PLACE EPSC MEASURES AND DETOUR TRAFFIC ON PROP 2 LN ROADWAY TO PROP 5 LN ROADWAY.
2. FINISH ROAD.

EPSC PHASE 4=
TRAFFIC CONTROL PHASE 3
PROPOSED CONTOURS SHOWN

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.102+00 TO STA.115+00
SCALE: 1"=50'

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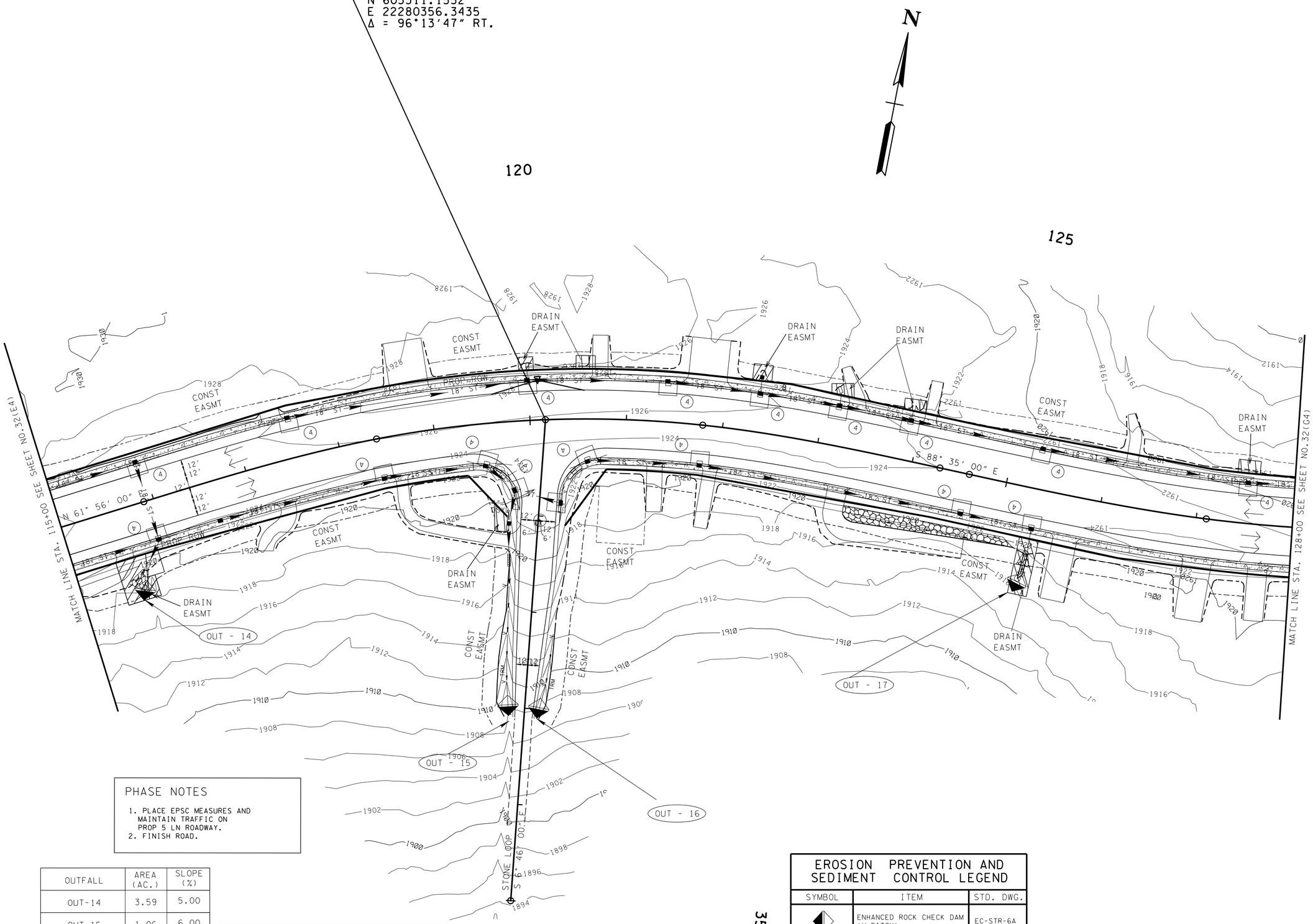
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W	2010	STP-101(16)	32(F4)
CONST	2015	STP-101(16)	32(F4)

REV. 5-22-13- ADDED SHEET.

STA. 120+16.06 S.R. 101 =
STA. 30+00.00 STONE LOOP
N 605311.1552
E 22280356.3435
Δ = 96°13'47" RT.



PHASE NOTES

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON PROP 5 LN ROADWAY.
2. FINISH ROAD.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-14	3.59	5.00
OUT-15	1.06	6.00
OUT-16	0.06	6.00
OUT-17	0.96	1.50

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
◆	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
(4)	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

35

EPSC PHASE 4 =
TRAFFIC CONTROL PHASE 3
PROPOSED CONTOURS SHOWN

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.115+00 TO STA.128+00

SCALE: 1"=50'

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

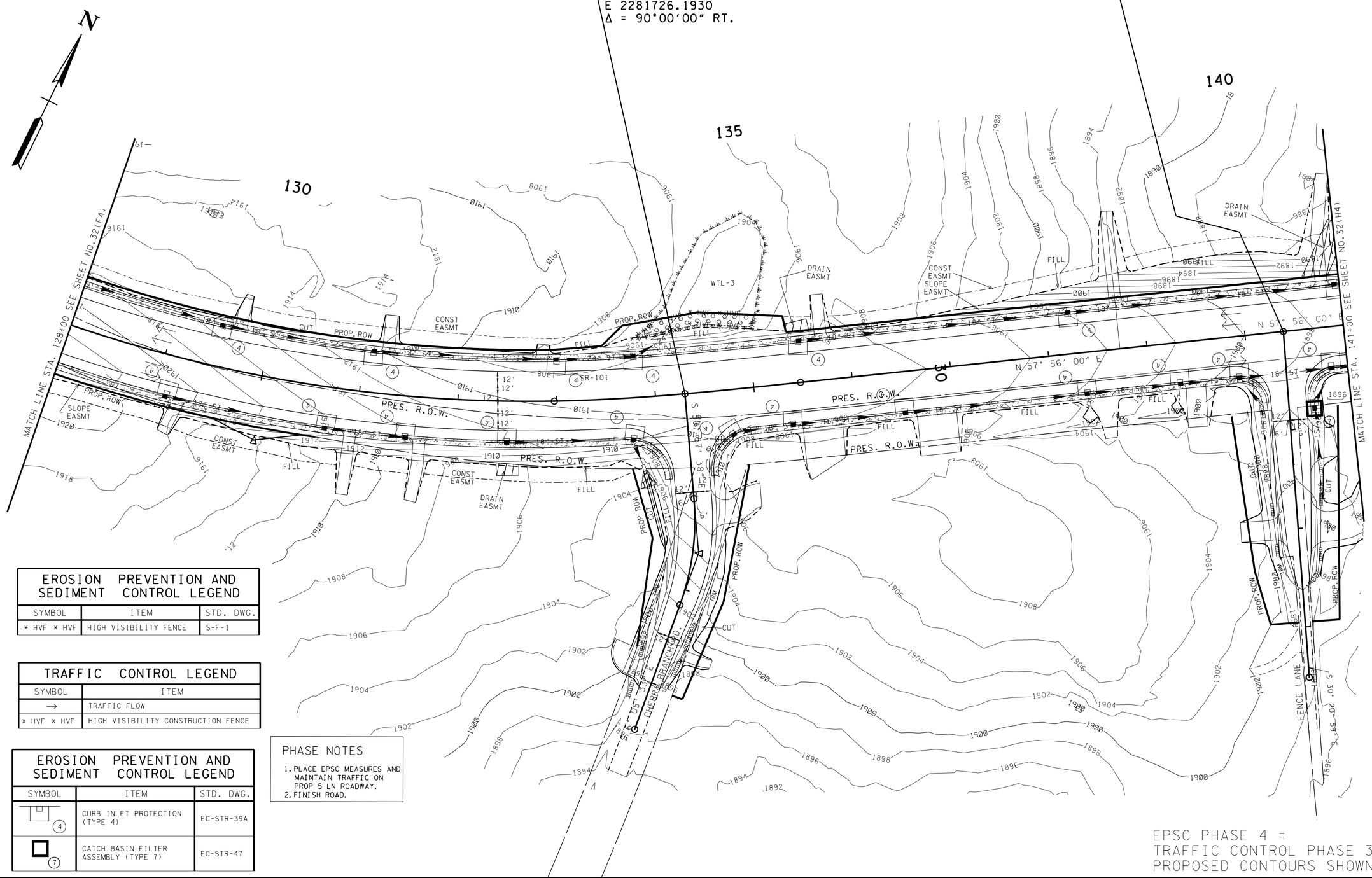
OUTFALL	AREA (AC.)	SLOPE (%)
OUT-18	2.94	1.00
OUT-22	0.07	4.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(G4)
CONST	2015	STP-101(16)	32(G4)

REV. 5-22-13- ADDED SHEET.

STA. 140+39.00 S.R. 101 =
STA. 10+00.00 FENCE LANE
N 605881.1150
E 2282242.6680
Δ = 91°43'01" RT.

STA. 134+30.00 S.R. 101 =
STA. 30+00.00 CHERRY BRANCH RD.
N 605558.4200
E 2281726.1930
Δ = 90°00'00" RT.



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
* HVF * HVF	HIGH VISIBILITY CONSTRUCTION FENCE

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
(4)	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A
(7)	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47

PHASE NOTES

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON PROP 5 LN ROADWAY.
2. FINISH ROAD.

EPSC PHASE 4 =
TRAFFIC CONTROL PHASE 3
PROPOSED CONTOURS SHOWN

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF L00013 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.128+00 TO STA.141+00

SCALE: 1"=50'

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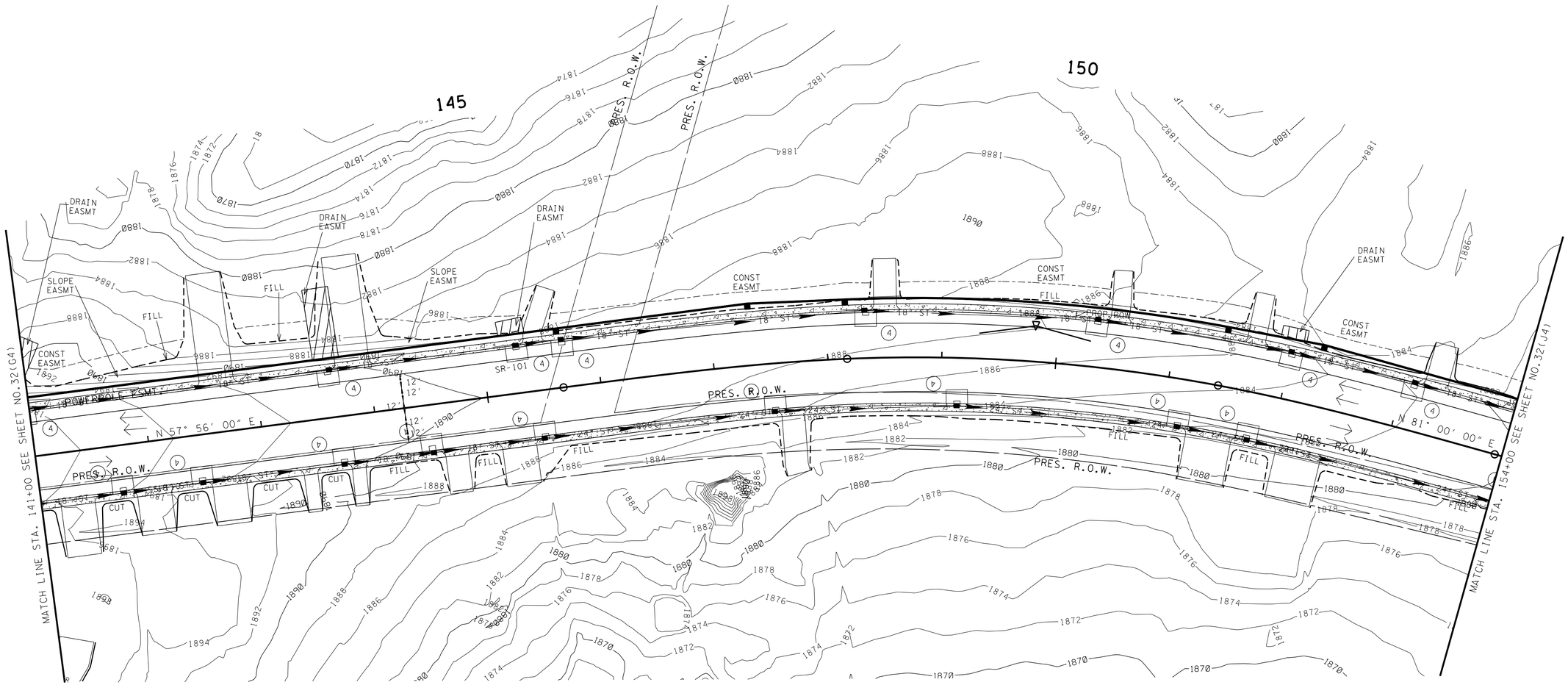
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(H4)
CONST	2015	STP-101(16)	32(H4)

REV. 5-22-13- ADDED SHEET.



PHASE NOTES

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON PROP 5 LN ROADWAY.
2. FINISH ROAD.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
(2)	CURB INLET PROTECTION (TYPE 2)	EC-STR-39

N

EPSC PHASE 4 =
TRAFFIC CONTROL PHASE 3

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.141+00 TO STA.154+00

SCALE: 1"=50'

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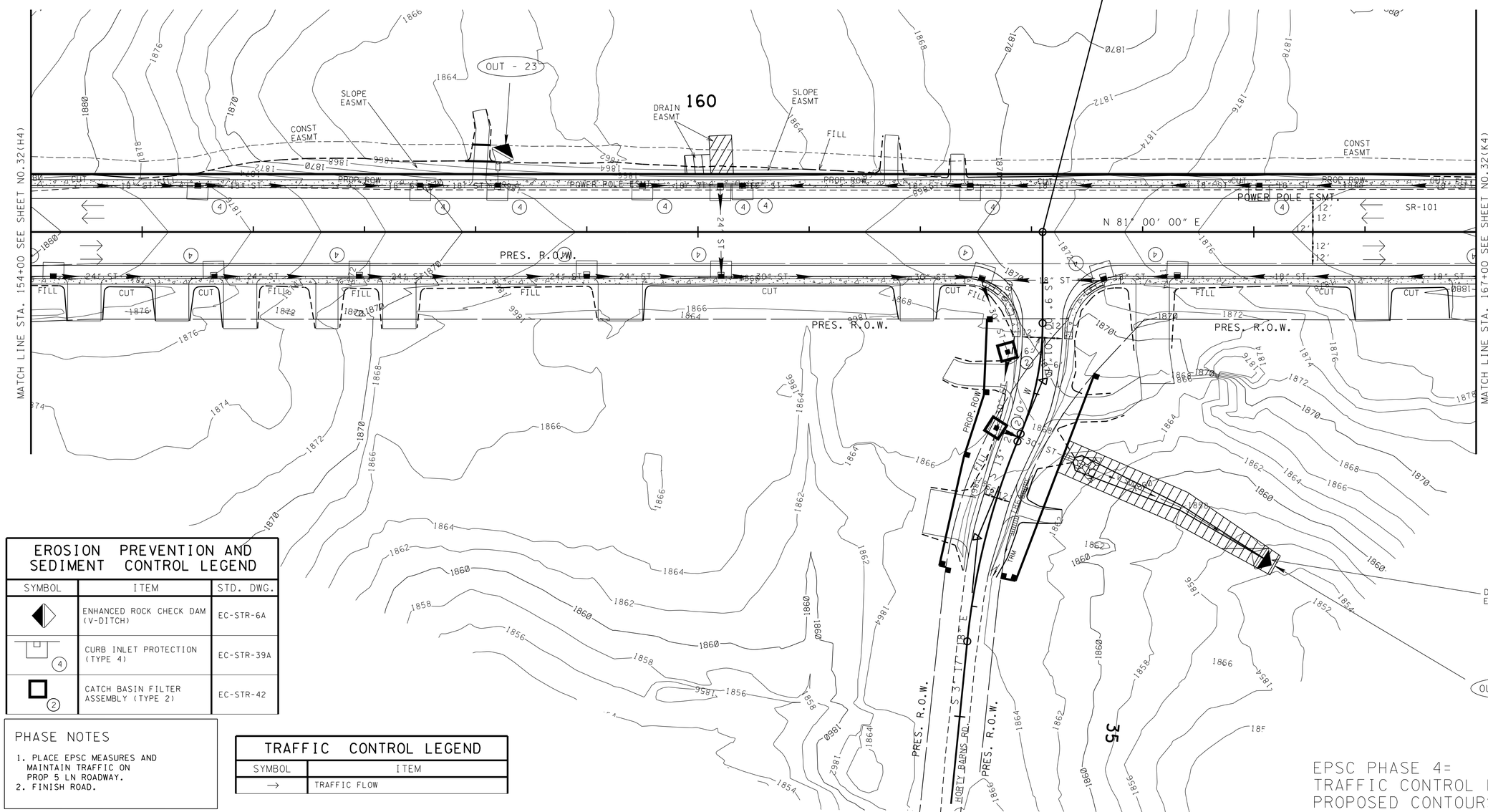
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-23	2.11	1.50
OUT-25	7.63	4.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(J4)
CONST	2015	STP-101(16)	32(J4)

REV. 5-22-13- ADDED SHEET.



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42

PHASE NOTES

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON PROP 5 LN ROADWAY.
2. FINISH ROAD.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW

EPSC PHASE 4=
TRAFFIC CONTROL PHASE 3
PROPOSED CONTOURS SHOWN

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.154+00 TO STA.167+00

SCALE: 1"=50'

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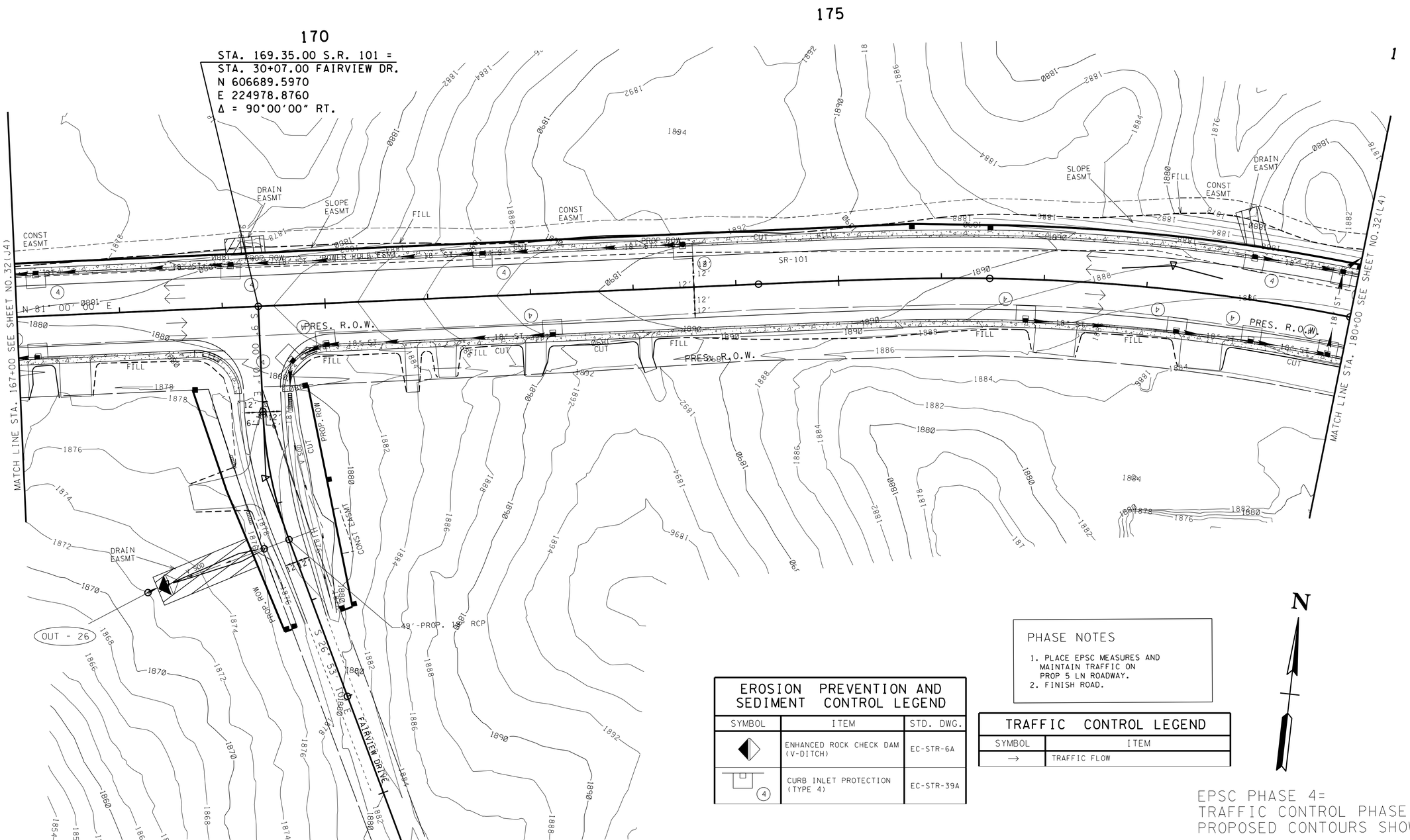
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-26	3.02	2.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(K4)
CONST	2015	STP-101(16)	32(K4)

REV. 5-22-13- ADDED SHEET.



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
◆	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
(4)	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

PHASE NOTES

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON PROP 5 LN ROADWAY.
2. FINISH ROAD.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW

N

EPSC PHASE 4=
TRAFFIC CONTROL PHASE 3
PROPOSED CONTOURS SHOWN

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COORDINATES ARE NAD/B3(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.167+00 TO STA.180+00

SCALE: 1"=50'

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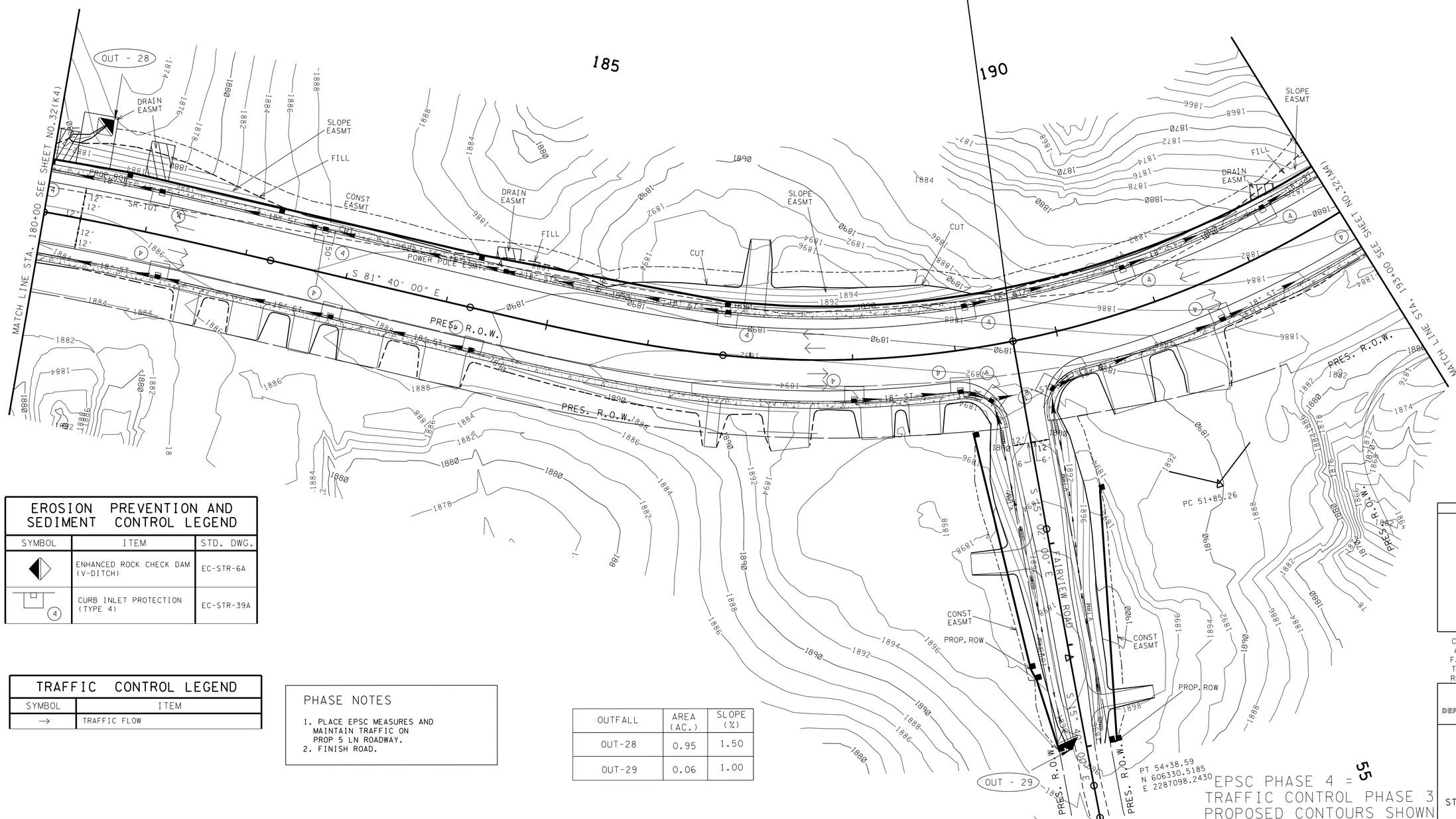
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(L4)
CONST	2015	STP-101(16)	32(L4)

REV. 5-22-13- ADDED SHEET.

STA. 189+56.86 S.R. 101 =
P.L. STA. 50+00.00 FAIRVIEW ROAD
N 606753.7277
E 2286983.1309
Δ = 91°06'36" RT.

N



EPSC PHASE 4 =
TRAFFIC CONTROL PHASE 3
PROPOSED CONTOURS SHOWN

55

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
◆	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
(4)	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW

PHASE NOTES

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON PROP 5 LN ROADWAY.
2. FINISH ROAD.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-28	0.95	1.50
OUT-29	0.06	1.00

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COORDINATES ARE NAD/B3(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.180+00 TO STA.193+00

SCALE: 1"=50'

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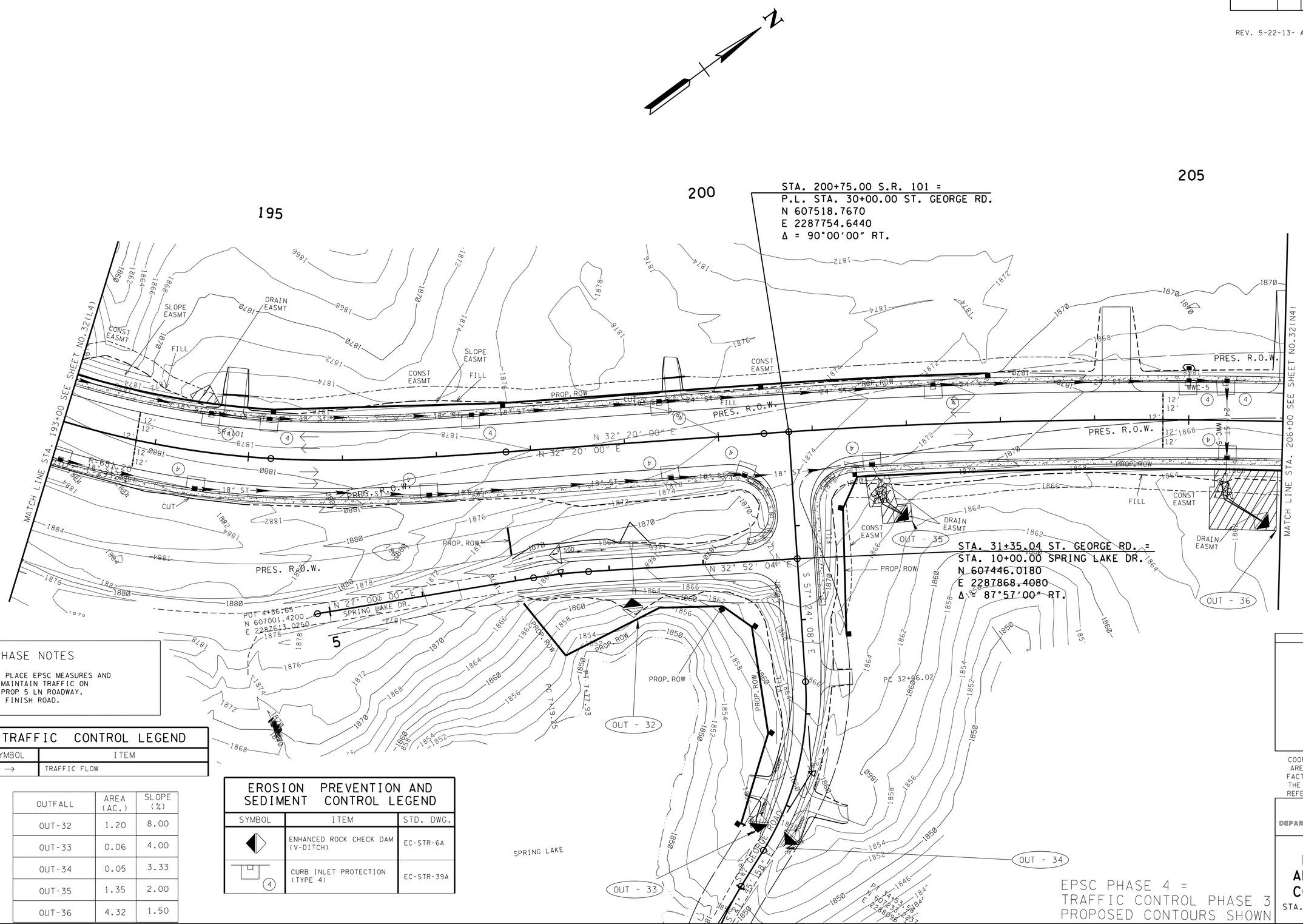
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(M4)
CONST	2015	STP-101(16)	32(M4)

REV. 5-22-13- ADDED SHEET.



PHASE NOTES

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON PROP 5 LN ROADWAY.
2. FINISH ROAD.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-32	1.20	8.00
OUT-33	0.06	4.00
OUT-34	0.05	3.33
OUT-35	1.35	2.00
OUT-36	4.32	1.50

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

EPSC PHASE 4 =
TRAFFIC CONTROL PHASE 3
PROPOSED CONTOURS SHOWN

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UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF L00013 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.193+00 TO STA.206+00

SCALE: 1"=50'

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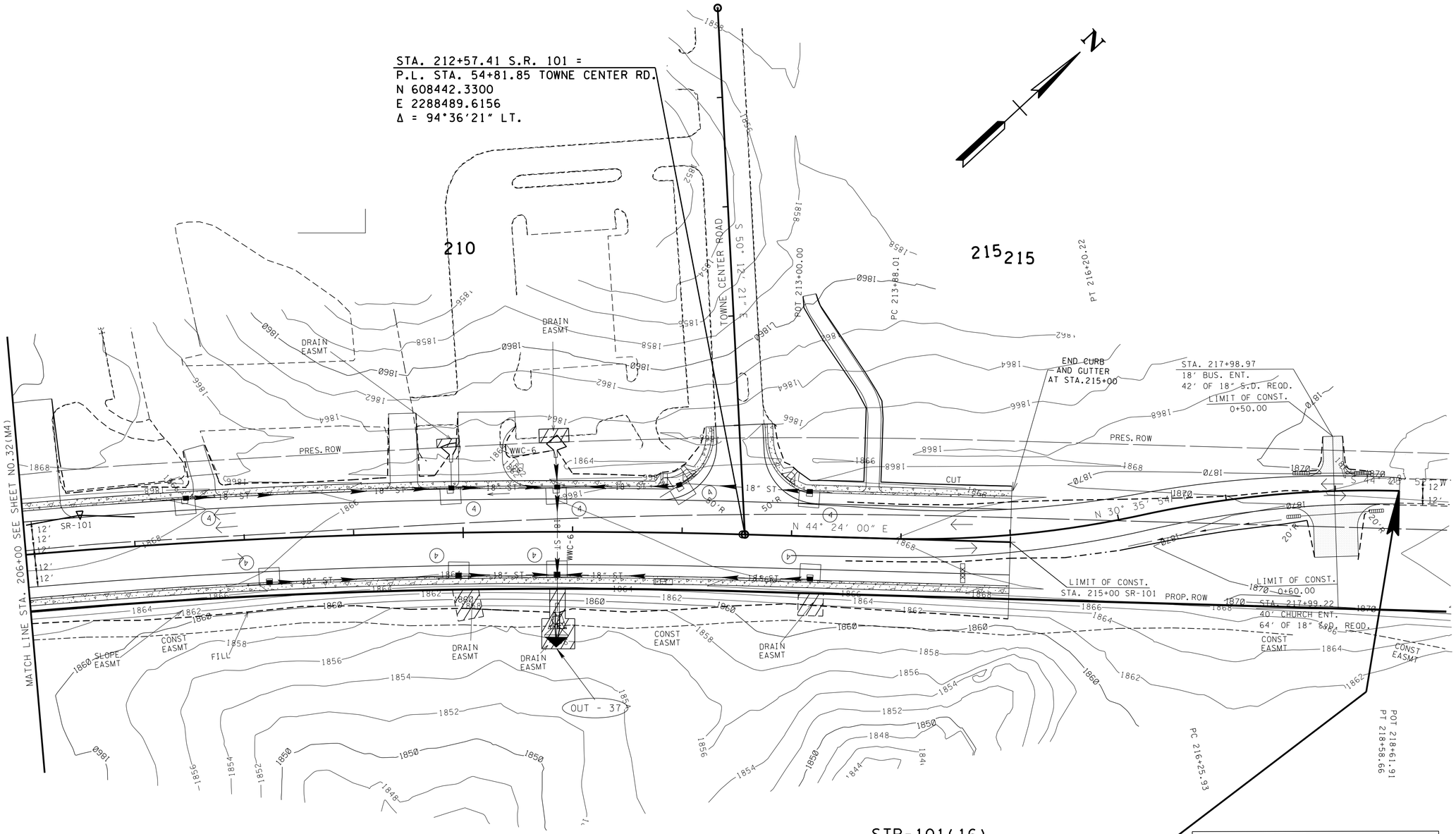
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	32(N4)
CONST	2015	STP-101(16)	32(N4)

REV. 5-22-13- ADDED SHEET.
REV. 8-17-15- REVISED DRIVEWAY AT STA 210+16.66LT PER ROW REQ.



STP-101(16)
END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STA. 218+60.00

CURVE TCP1FIVE
PI 215+04.68
N 608,618.9963
E 2,288,662.6201
Δ 13° 48' 06" (LT)
D 5° 56' 37"
R 964.00
L 232.21
T 116.67
NORMAL CROWN
DESIGN SPEED 45 MPH

CURVE TCP1SIX
PI 217+42.86
N 608,824.9895
E 2,288,784.4360
Δ 13° 49' 58" (RT)
D 5° 56' 37"
R 964.00
L 232.74
T 116.94
NORMAL CROWN
DESIGN SPEED 45 MPH

PHASE NOTES

1. PLACE EPSC MEASURES AND MAINTAIN TRAFFIC ON PROP ROADWAY AND TURN LANE.
2. FINISH ROAD.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-37	2.95	1.50

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
(4)	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	TEMPORARY BARRICADE (TYPE III) 12FT

EPSC PHASE 4 =
TRAFFIC CONTROL PHASE 3
PROPOSED CONTOURS SHOWN

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 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.206+00 TO STA.219+00
SCALE: 1"=50'

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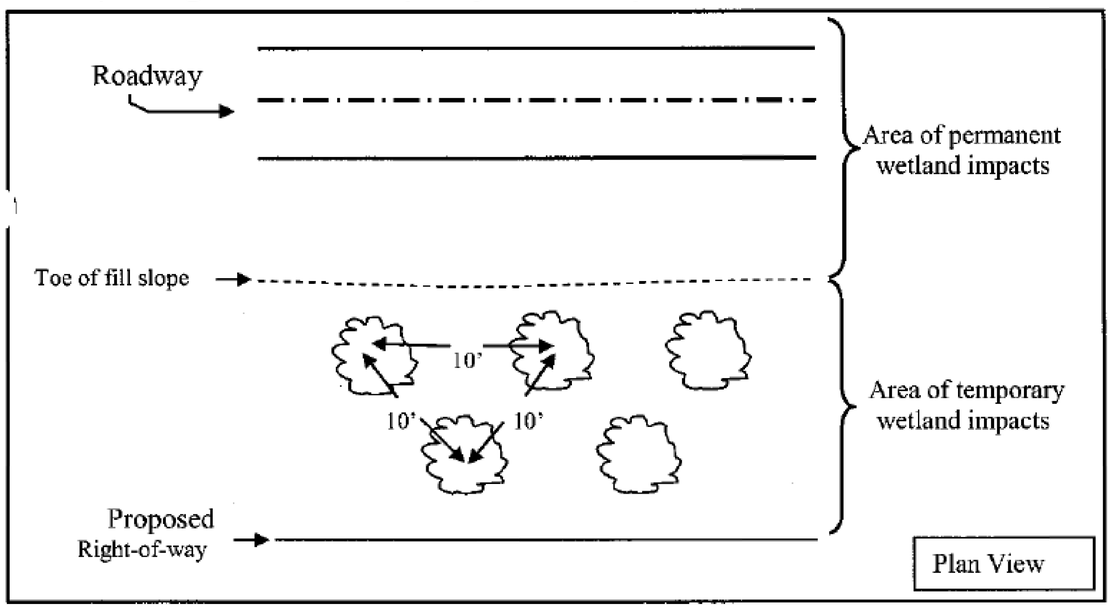
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W	2010	STP-101(16)	32Y
CONST	2015	STP-101(16)	32Y

REV. 08-20-12 - ADDED SHEET 32Y
REV. 09-24-12 - REMOVED WTL-2 TREE QTYS AND ADDED WTL-3 ONLY TO PLANTING SCHEME PER ENV. REQ.
REV. 5-22-13 - UPDATE YEAR.

Standard On-site Mitigation for Temporary Wetland Impact Areas (if required)

Apply these measures to all applicable temporary wetland impact areas listed in Form J. For temporary wetland impact areas, remove the top 12" of topsoil and stockpile it until construction is complete. Once construction activities are completed, restore all temporary wetland impact areas to pre-construction conditions. This includes removing haul roads (if applicable), restoring the site to the original (pre-construction) elevation and spreading stockpiled topsoil back over the wetland site. The area of temporary impacts will then be seeded, covered with straw and planted with tree seedlings to stabilize the site. Seedlings will be planted on 10-foot centers. Place a note on the present and proposed layout sheets to protect wetland areas located beyond the limits of the fill slope and proposed ROW.

Tree planting scheme for temporary wetland impact areas (WTL-3 ONLY)



TREES

No substitutions of tree species or sizes shall be allowed without the written approval of TDOT Environmental Division. Concerning **stream mitigation**, trees shall be of the variety requested, between 2 and 5 feet in height, containerized, and first quality. Concerning **temporary wetland mitigation**, trees shall be of the variety requested, well branched, **bare root (roots must be kept moist at all times),** and first quality. No clones or cultivars will be accepted. Any found to be incorrect species, or improperly planted, at any time prior to termination of the contract shall be removed and replaced at the contractor's expense. Stakes and wires shall be removed immediately prior to contract termination, unless otherwise directed by the engineer.

The contractor should arrange several months ahead of time to obtain the correct tree species, as some may require some time to locate.

All trees planted shall be wrapped as per section 802.07 of TDOT standard specifications for the road and bridge construction.

Trees shall be watered as required through the period of establishment to ensure survival.

Topsoil is to be removed from all areas of temporary wetland impacts and stockpiled prior to construction.

Upon completion of construction activities, temporary haul roads are to be removed. Excavated material from the haul roads is to be disposed of as directed by the engineer.

Upon completion of construction activities, all temporary wetland impact areas are to be restored to pre-construction contours and the stockpiled wetland topsoil spread to restore these areas to pre-construction elevation.

ESTIMATED TREE QUANTITIES (WTL-3)

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
802-12.01	ACER NEGUNDO (BOX ELDER SEEDLNG B.R.)	EACH	7
802-12.02	ACER RUBRUM (RED MAPLE SEEDLNG B.R.)	EACH	7
802-12.40	SALIX NIGRA (BLACK WILLOW SEEDLNG B.R.)	EACH	7

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

WETLAND MITIGATION PLAN

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REV. 08-20-12 - ADDED SHEET 32Z
REV. 09-24-12 - ADDED CHANNEL LOCATION SEQUENCE NOTES, STR-1 TREE QTYS, AND REVISED STR-1B TREE QTYS AND TREE PLANTING.
REV. 10-24-12 - REMOVED STR-1B TREE QTYS AND TREE PLANTING.
REV. 5-22-13 - UPDATE YEAR.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W	2010	STP-101(16)	32Z
CONST	2015	STPO-101(16)	32Z

TREES

No substitutions of tree species or sizes shall be allowed without the written approval of TDOT Environmental Division. Concerning **stream mitigation**, trees shall be of the variety requested, between 2 and 5 feet in height, containerized, and first quality. Concerning **temporary wetland mitigation**, trees shall be of the variety requested, well branched, **bare root (roots must be kept moist at all times),** and first quality. No clones or cultivars will be accepted. Any found to be incorrect species, or improperly planted, at any time prior to termination of the contract shall be removed and replaced at the contractor's expense. Stakes and wires shall be removed immediately prior to contract termination, unless otherwise directed by the engineer.

The contractor should arrange several months ahead of time to obtain the correct tree species, as some may require some time to locate.

All trees planted shall be wrapped as per section 802.07 of TDOT standard specifications for the road and bridge construction.

Trees shall be watered as required through the period of establishment to ensure survival.

Standard Stream Mitigation (if required)

Apply these measures to all applicable streams listed in Form J. Duplicate the length, bottom channel widt elevations, side slopes, meander wavelength, and curvature of the existing channels to the extent possible. Each channel should transition smoothly from its beginning elevation to its tie-in elevation in the receiving stream, without profile drops or jumps. Locate the new channels in as flat an area as possible to avoid unusually high side slopes; this may require some additional right-of-way. Channel length placed in spring-boxes or culverts counts as part of the new channel length (but may require off-site compensatory mitigation that would not be required for an open channel). Channel side slopes should mimic existing channel side slopes, unless otherwise indicated, and be stabilized using appropriate BMPs – the use of rip-rap should be avoided if possible. If rip-rap is required, the rip-rap should be embedded into the soil such that (1) the top of the rip-rap is flush with the bottom and sides of the channel, (2) the voids are filled with material similar to the original channel bottom, and (3) water will flow on top of the embedded riprap and soil material to enable the water to be visible.

Plant two alternating rows of tree or shrub species on both sides of the new channels; the first row shall be bare root seedlings that are planted on the channel slope, centered on the midpoint of the slope. Along top of bank, two- to five-foot (2-5 ft) container grown trees are to be planted within one foot of the top of bank. If needed, black willow (*Salix nigra)* stakes will be installed along the edge of water in the new channel. The stakes will be fresh material cut in approximately foot lengths. The stakes will be installed on approximately five foot centers at the edge of water in the new channel. The stakes are to be driven in such that approximately six inches of the stake are left above ground. The bare root seedlings will be the same species as the trees, unless otherwise indicated. If required by FWHA clearance requirements, plantings can be restricted to one bank.

Rip-rap, if required, should be limited to ends of culverts. All relocated channels and their accompanying mitigation features, including trees, are to be placed in right-of-way rather than easements; this may require acquisition of additional right-of-way. Use the following specifications for planted species.

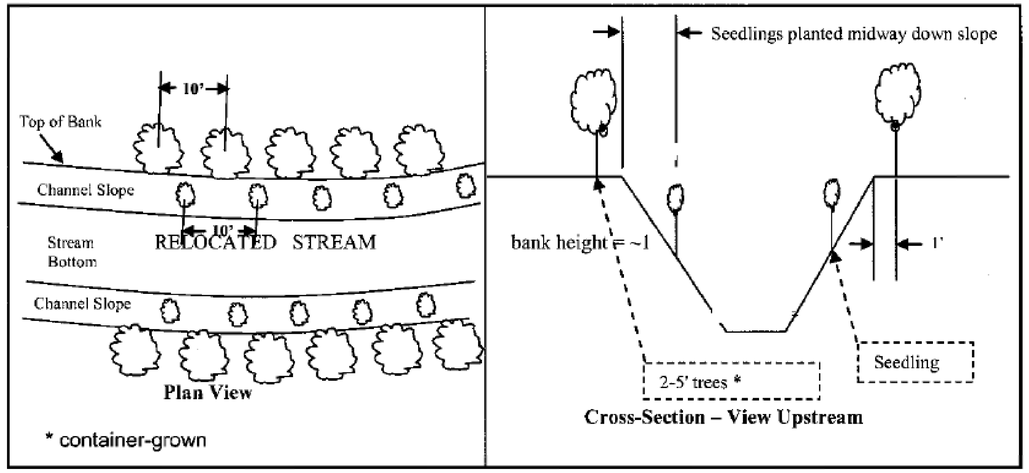
ESTIMATED TREE QUANTITIES (STR-1)

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
802-11.02	ACER RUBRUM (RED MAPLE 2-5FT CNTNR GRWN)	EACH	7
802-11.39	QUERCUS RUBRA (NORTHERN RED OAK 2-5FT CNTNR GRWN)	EACH	8
802-12.01	ACER NEGUNDO (BOX ELDER SEEDLNG B.R.)	EACH	1
802-12.40	SALIX NIGRA (BLACK WILLOW SEEDLNG B.R.)	EACH	1

CHANNEL RELOCATION SEQUENCE AND IMPLEMENTATION NOTES FOR RELOCATED STREAM CHANNELS (IGNORE REFERENCES TO ITEMS NOT SPECIFIED)

1. If the relocated channel flows into a proposed culvert, the new channel shall be relocated prior to installation of the culvert to ensure correct elevation levels are set for the inlet. The new channel shall be excavated and stabilized during a low-water period. Rip-rap (only as shown on plans), seeding, and/or sod shall be installed immediately following channel completion. Trees shall be installed in the first planting season following channel excavation. Water shall be diverted into the new channel only after it is completely stabilized, and only during a low-water period. Stabilized means that all specified rock, erosion control blankets, seeding, sod, or materials are in place and established.
2. CHANNEL RELOCATION SEQUENCE
   a. Flag edge of the new channel top bank prior to clearing. Do not clear large trees in position to shade the new channel. Leave as many trees and shrubs as possible between toe of the new highway slope and the stream.
   b. Excavate the new channel "in the dry" by leaving areas of undisturbed earth (diversion berms) in place at both ends.
   c. Shape channel to specifications shown. Remove loose soils and debris.
   d. Place topsoil, erosion control blanket. seed, sod, or other material as specified.
   e. Remove diversion berms, beginning with the most downstream; banks and bottom elevation of the old channel should transition smoothly into the new channel. The elevations of the new channel bottom at each end of the relocation sequence should match the elevations of the existing channel, and a steady percent slope should be maintained throughout the relocated channel centerline or as specified.
   f. Install trees according to standard specifications section 802.
3. Only rip-rap shown on plans should be used in the relocated channel reach. Any other proposed rip-rap should be coordinated with the Environmental Division through the TDOT Construction Office.
4. Requests by any agency that would require the modification of channels, ditches, elevations, rip-rap or any other stream mitigation items associated with the channel relocations shall be referred to the TDOT Environmental Division via the Headquarters Construction Office for coordination with all involved agencies and TDOT divisions. Tennessee Department of Environment and Conservation may make recommendations concerning erosion control via the engineer without such referral.

SPACING FOR PLANTING ALONG RELOCATED STREAM



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STREAM MITIGATION PLAN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP-101(16)	33

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 WORK DAY AND PROGRESS CONTINUOUSLY UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED OR REDUCED TO SIX INCHES OR LESS.

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

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

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

   SEPARATION WILL BE PROVIDED BY USE OF PORTABLE BARRIER RAIL.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL NOTES

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

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REV 11-5-2015: ADDED ITEM NOS. 705-09.07
AND 712-02.36. REVISED ITEM NOS. 705-08.51
AND 712-02.02

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP-101(16)	33(1A)

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

SIGNS (CONSTRUCTION) 712-06

QUANTITY	M.U.T.C.D. NO.	DESCRIPTION	SIZE IN X IN		ITEM NO. 712-06 (S.F.)	REMARKS
6	(G20-1)	ROAD WORK NEXT 3 MILES	48	24	48	
42	(G20-2)	END ROAD WORK	48	24	336	
9	(R1-1)	STOP SIGN	36	36	81	
101	(R11-2)	ROAD CLOSED	48	30	1010	
2	(W1-4L)	LEFT LANE SHIFT AHEAD(SYMBOL)	36	36	18	
2	(W1-4R)	RIGHT LANE SHIFT AHEAD(SYMBOL)	36	36	18	
14	(W1-8L)	LEFT CHEVRON ALIGNMENT SIGN	24	30	70	
14	(W1-8R)	RIGHT CHEVRON ALIGNMENT SIGN	24	30	70	
2	(W4-2R)	RIGHT LANE ENDS MERGE(SYMBOL)	48	48	32	
4	(W13-1P)	SPEED LIMIT 35 MPH	24	24	16	
5	(W20-1)	ROAD WORK 1000 FT	48	48	80	
5	(W20-1)	ROAD WORK 500 FT	48	48	80	
36	(W20-1)	ROAD WORK AHEAD	48	48	576	
6	(W20-3)	ROAD WORK 1/2 MILES	48	48	96	
1	(W20-5R)	RIGHT LANE CLOSED 1/2 MILE	48	48	16	
					2547	TOTAL

SEE FIGURE 6F-1 OF FIGURES SHOWN IN CURRENT M.U.T.C.D. THIS CONSTRUCTION SIGNING IS TO BE CONSTRUCTED AS A MINIMUM. OTHER SIGNS AS DIRECTED BY THE ENGINEER MAY BE REQUIRED DURING DIFFERENT PHASES.

TEMPORARY TRAFFIC CONTROL QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1)	705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	92
1)	705-09.07	REPOSITIONING IMPACT ATTENUATOR (NCHRP350 TL-3)	EACH	109
2)	712-01	TRAFFIC CONTROL	LS	1
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	15480
	712-02.36	REMOVE AND RELOCATE PORTABLE BARRIER RAIL	L.F.	14560
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	521
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	1202
	712-08.03	ARROW BOARD (TYPE C)	EACH	1
	712-09.04	REMOVABLE PAVEMENT MARKING (STOP LINE)	L.F.	20
	713-02.36	FLEXIBLE BARRIER DELINEATOR	EACH	27
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	3
3)	716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	905
4)	716-01.13	RAISED PVMT MARKERS (BI-DIRECTIONAL) (2 COLOR LENS)	EACH	289
	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	34.3
	716-05.04	PAINTED PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y.	175
	716-05.05	PAINTED PAVEMENT MARKING (STOP LINE)	L.F.	774
	716-05.06	PAINTED PAVEMENT MARKING (TURN LANE ARROW)	EACH	45
	716-05.11	PAINTED PAVEMENT MARKING(STRAIGHT ARROW)	EACH	2
	716-05.21	PAINTED PAVEMENT MARKING(4"DOTTED LINE)	L.F.	400
	716-05.22	PAINTED PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	160
2)	716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	42243
2)	716-08.04	REMOVAL OF PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y.	107
2)	716-08.05	REMOVAL OF PAVEMENT MARKING (STOP LINE)	L.F.	60
	717-01	MOBILIZATION	LS	1

FOOTNOTES

1.) THIS ITEM SHALL BE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIRMENTS 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 MANUFACTURER'S DRAWING.

2.) ANY ADDITIONAL REMOVAL OF PAVEMENT MARKINGS WILL BE PAID FOR UNDER ITEM 712-01

3.) YELLOW

4.) CLEAR/RED

TRAFFIC CONTROL QUANTITIES

PHASE	PAY ITEMS																				
	705-08.51 (EACH)	705-09.07 (EACH)	712-02.02 (L.F.)	712-02.36 (L.F.)	712-04.01 (EACH)	712-07.03 (L.F.)	712-08.03 (L.F.)	712-09.04 (L.F.)	713-02.36 (EACH)	716-01.11 (EACH) **	716-01.13 (EACH) ***	716-05.01 (L.M.)	716-05.04 (S.Y.)	716-05.05 (L.F.)	716-05.06 (EACH)	716-05.11 (EACH)	716-05.21 (L.F.)	716-05.22 (L.F.)	716-08.01 (L.F.) *	716-08.04 (S.Y.) *	716-08.05 (L.F.) *
1	0	85	15480	0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0	0	0
2	92	0	0	12410	393	1034	0	20	11	471	12	14.3	69	296	8	1	200	0	40	0	0
3	0	24	0	2150	128	168	1	0	16	434	277	20.0	105	478	37	1	200	160	42203	107	60
TOTALS	**92**	**109**	**15480**	**14560**	**521**	**1202**	**1**	**20**	**27**	**905**	**289**	**34.3**	**175**	**774**	**45**	**2**	**400**	**160**	**42243**	**107**	**60**

* ANY ADDITIONAL REMOVAL OF PAVEMENT MARKINGS WILL BE PAID FOR UNDER ITEM NO. 712-01, TRAFFIC CONTROL.

** YELLOW

*** CLEAR/RED

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

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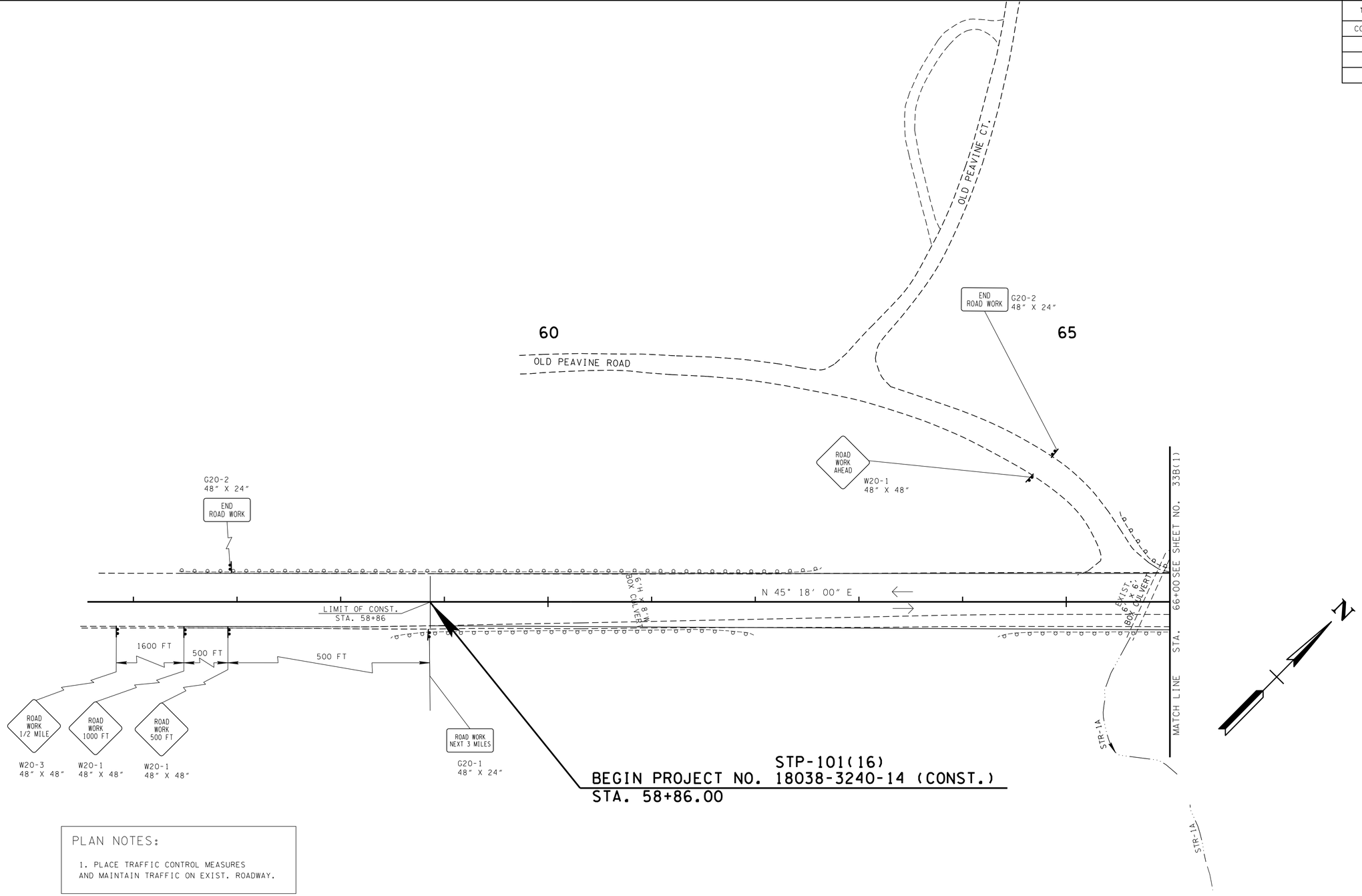
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP-101(16)	33A(1)

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



STP-101(16)
BEGIN PROJECT NO. 18038-3240-14 (CONST.)
STA. 58+86.00

PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW

TRAFFIC CONTROL PHASE 1 = EPSC PHASE 2

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.56+00 TO STA.66+00

SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33B(1)

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	160
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	830
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	2

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

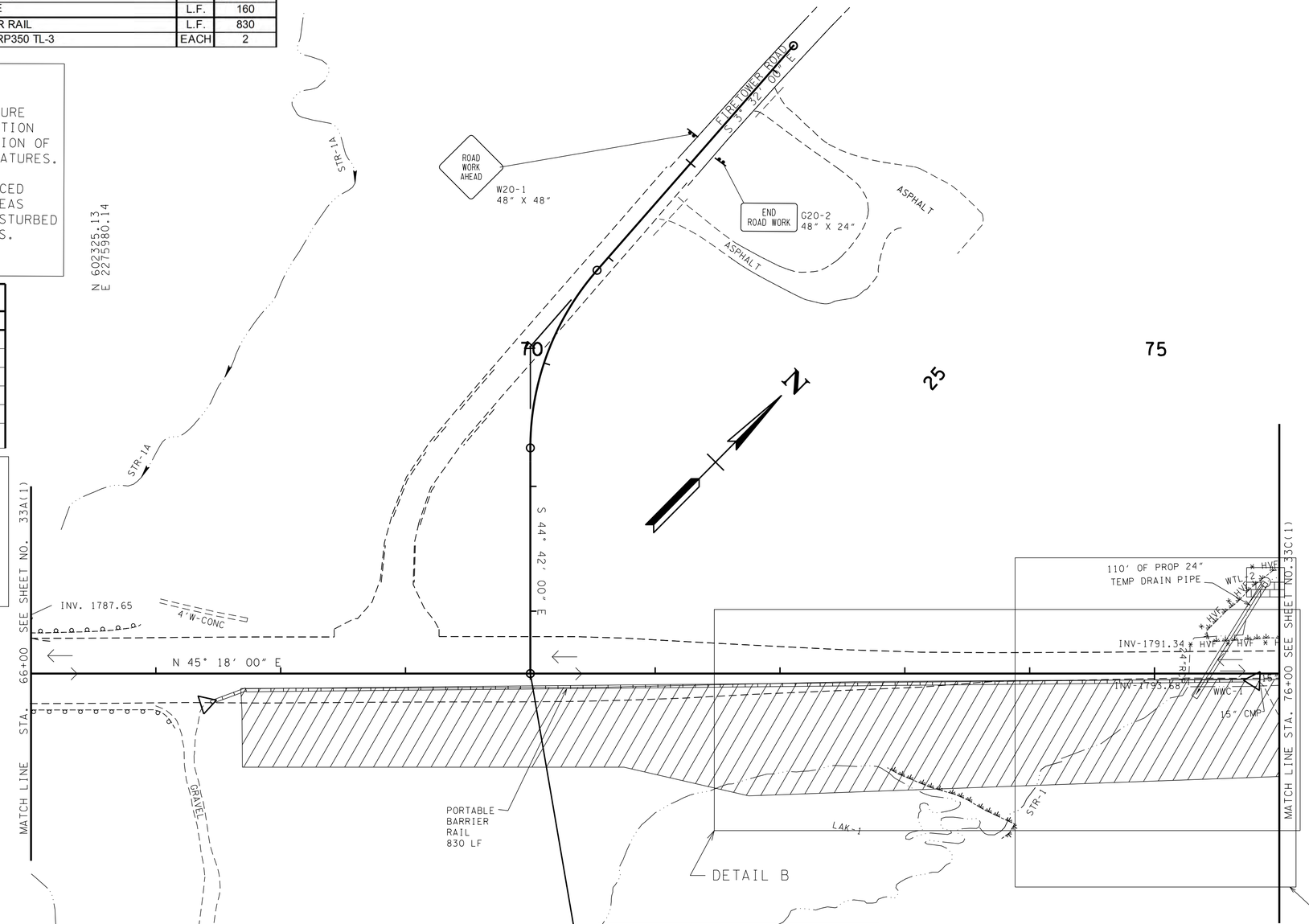
HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
* HVF * HVF	HIGH VISIBILITY CONSTRUCTION FENCE
	TEMPORARY ATTENUATOR

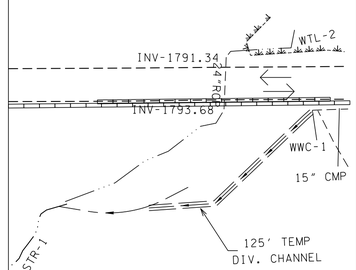
PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. SEE DETAIL A, B, & C.
3. BUILD TEMP ROAD TRANSITIONING TO EXIST. ROAD AS DIRECTED BY TDOT SUPERVISOR.(SEE SHEET 33(R)-33(S) FOR TYPICALS AND PROFILE OF 2 LN TEMP ROAD & SHEET 40-50 FOR CROSS-SECTIONS OF 2 LN TEMP ROAD.)



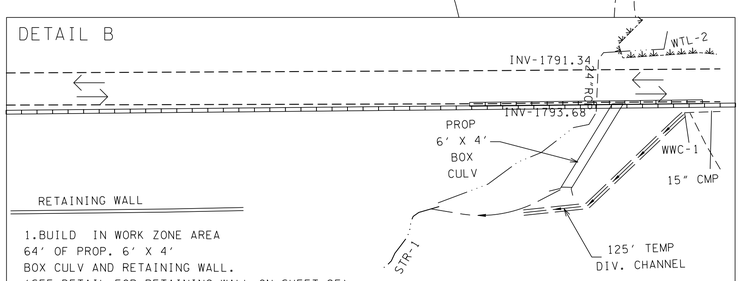
EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
	TEMPORARY DIVERSION CHANNEL (DESCRIBE-SIZE AND TYPE OF LINING)	EC-STR-31
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
	SUSPENDED PIPE DIVERSION	EC-STR-33 EC-STR-33A
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

DETAIL A



1. BUILD IN WORK ZONE AREA 125' TEMP DIV. CHANNEL AND SPECIAL DITCH FOR PROP 6' X 4' BOX CULV.
(SEE SHEET 31 FOR SPECIAL DITCH PROFILE)

DETAIL B



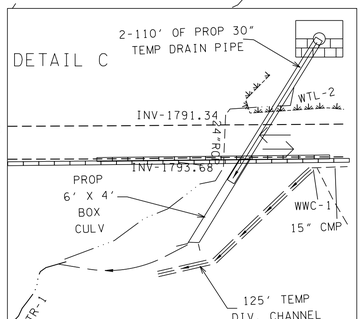
RETAINING WALL

1.BUILD IN WORK ZONE AREA 64' OF PROP. 6' X 4' BOX CULV AND RETAINING WALL.
(SEE DETAIL FOR RETAINING WALL ON SHEET 2F)

THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE ANY NECESSARY WORK IN INSTALLING THE RETAINING WALL WHICH WILL BE INCLUDED IN THE COST OF THE RETAINING WALL.

STA. 70+00.00 S.R. 101 =
STA. 29+50.00 FIRETOWER RD.
N 602565.2800
E 2276222.3070
Δ = 90°00'00" RT.

DETAIL C



1. PLACE 2-110' OF PROP. 30" TEMP DIV. DRAIN PIPE FROM STR-1 TO PROP. 6' X 4' BOX CULV.

TRAFFIC CONTROL PHASE 1 = EPSC PHASE 2

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.66+00 TO STA.76+00

SCALE: 1"=50'

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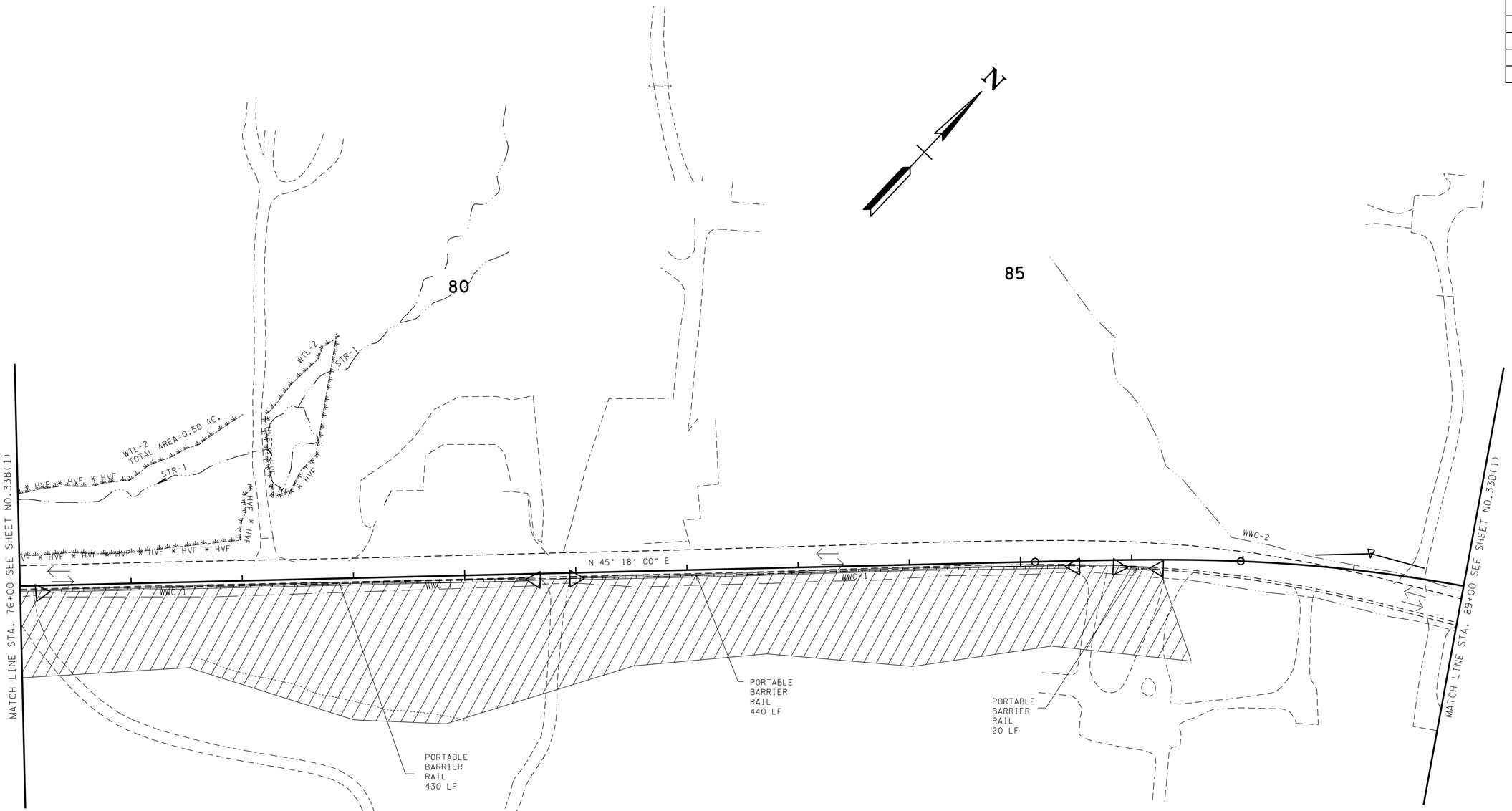
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33C(1)



PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD TEMP ROAD TRANSITIONING TO EXIST. ROAD AS DIRECTED BY TDOT SUPERVISOR.(SEE SHEET 33(R)-33(S) FOR TYPICALS AND PROFILE OF 2 LN TEMP ROAD & SHEET 40-50 FOR CROSS-SECTIONS OF 2 LN TEMP ROAD.)

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
▨	WORK ZONE
→	TRAFFIC FLOW
▭	PORTABLE BARRIER RAIL
* HVF * HVF	HIGH VISIBILITY CONSTRUCTION FENCE
◁	TEMPORARY ATTENUATOR

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	470
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	890
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	6

TRAFFIC CONTROL PHASE 1 = EPSC PHASE 2

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STA.76+00 TO STA.89+00
SCALE: 1"=50'

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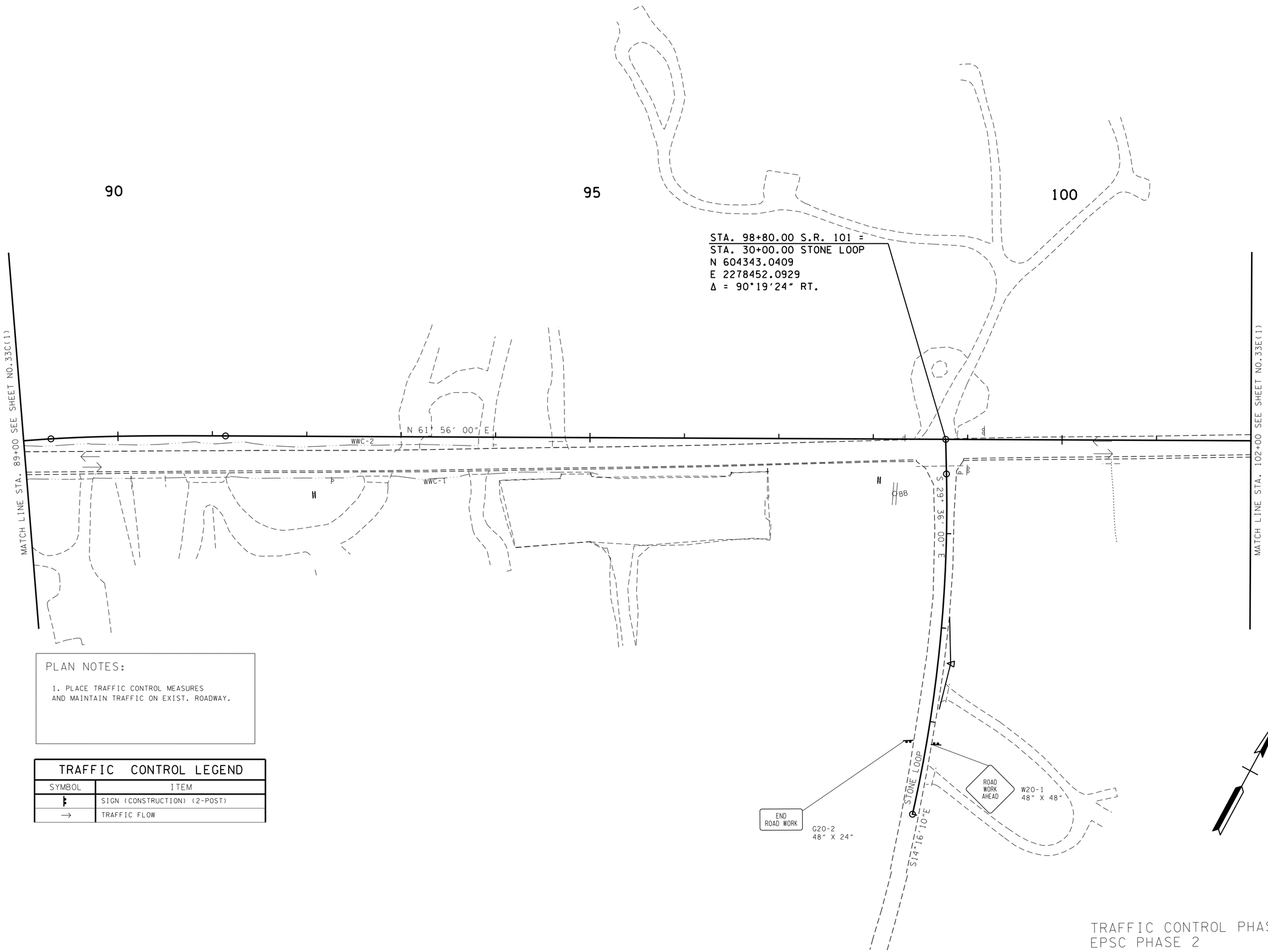
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33D(1)

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



PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW

TRAFFIC CONTROL PHASE 1 =
EPSC PHASE 2

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.89+00 TO STA.102+00

SCALE: 1"=50'

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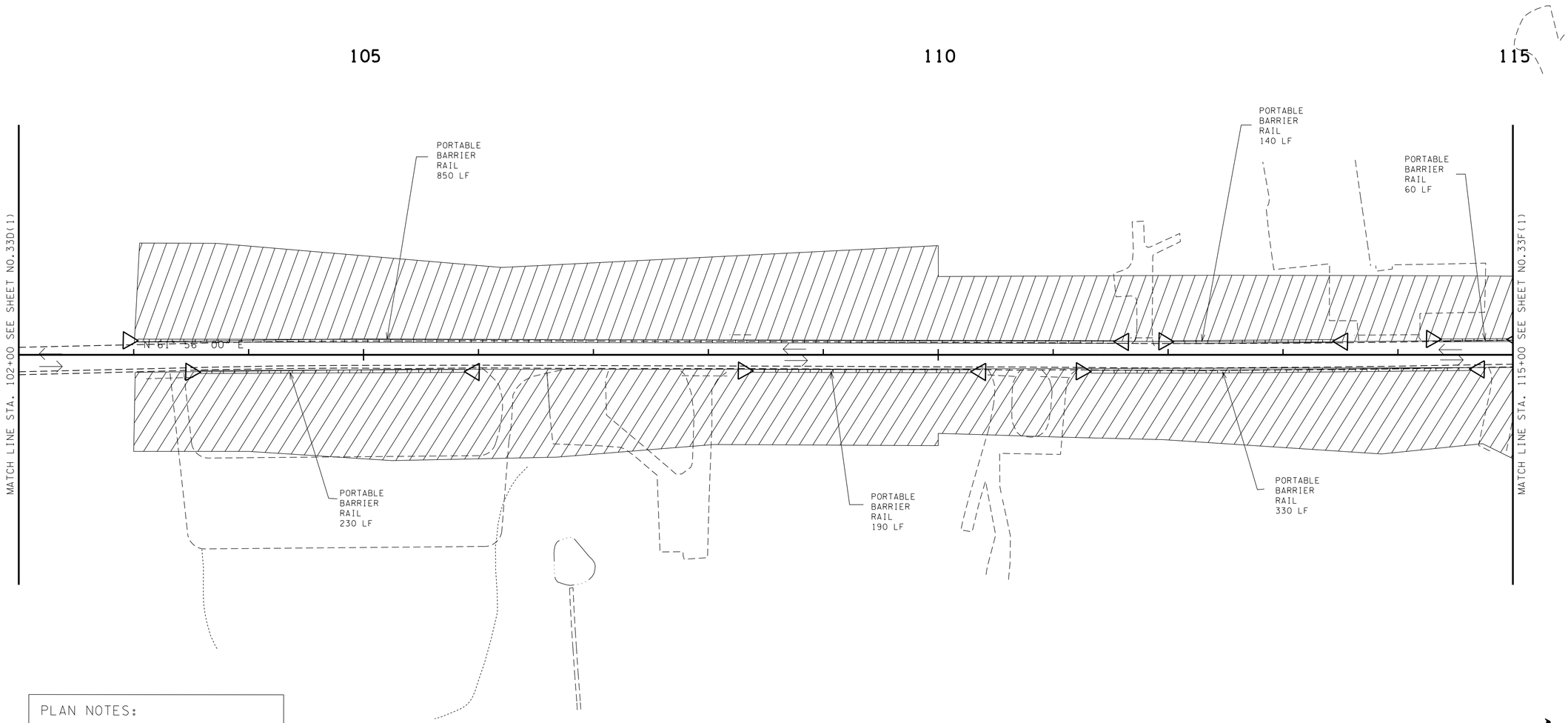
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP-101(16)	33E(1)



PLAN NOTES:

1. MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE AREAS NORTH AND SOUTH OF EXIST. ROADWAY AS DIRECTED BY TDOT SUPERVISOR

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
◁	TEMPORARY ATTENUATOR

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	1800
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	11

N

TRAFFIC CONTROL PHASE 1 = EPSC PHASE 2

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COORDINATES ARE NAD/B31(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.102+00 TO STA.115+00

SCALE: 1"=50'

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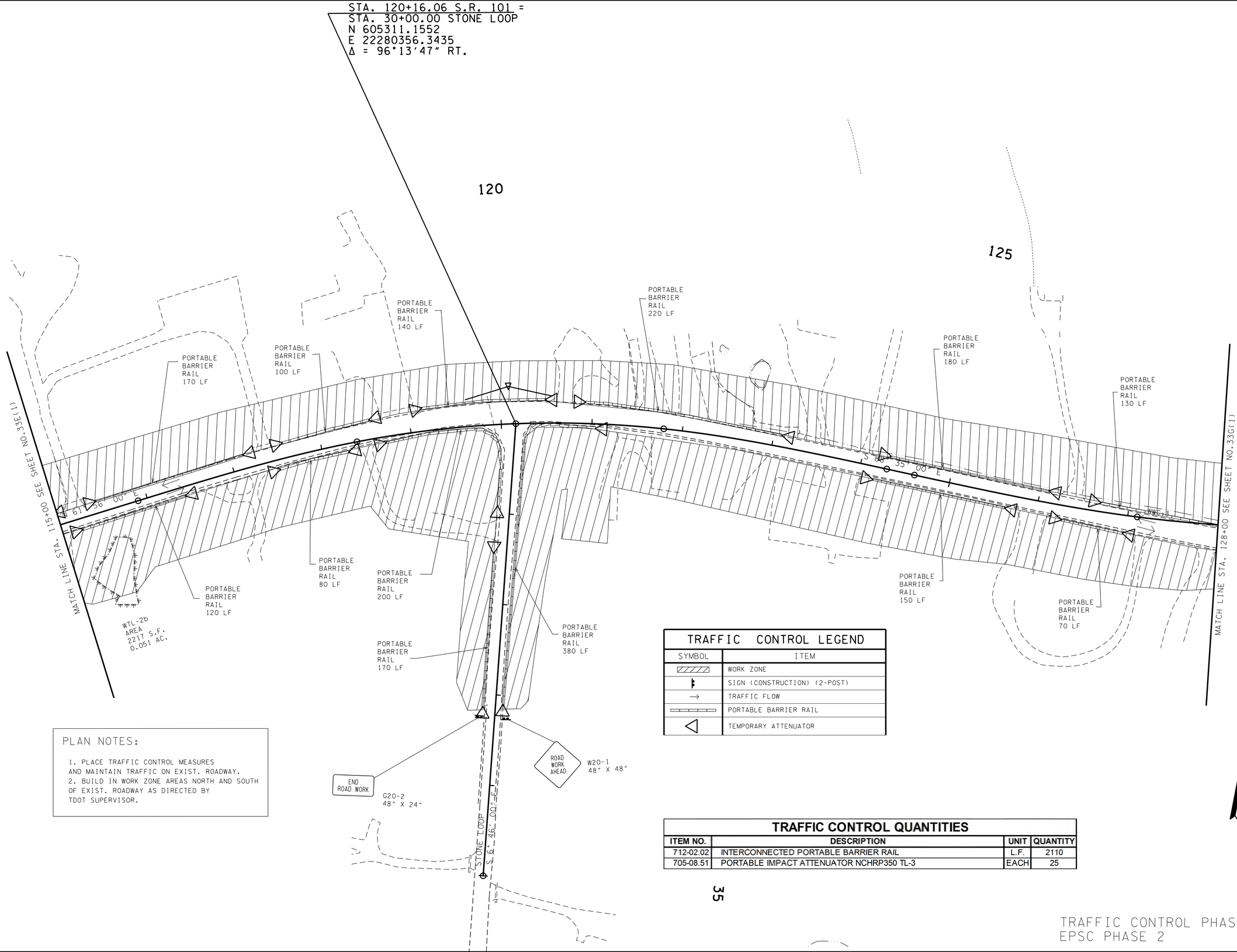
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33F(1)



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR

PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE AREAS NORTH AND SOUTH OF EXIST. ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	2110
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	25

35

TRAFFIC CONTROL PHASE 1 =
EPSC PHASE 2

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.115+00 TO STA.128+00

SCALE: 1"=50'

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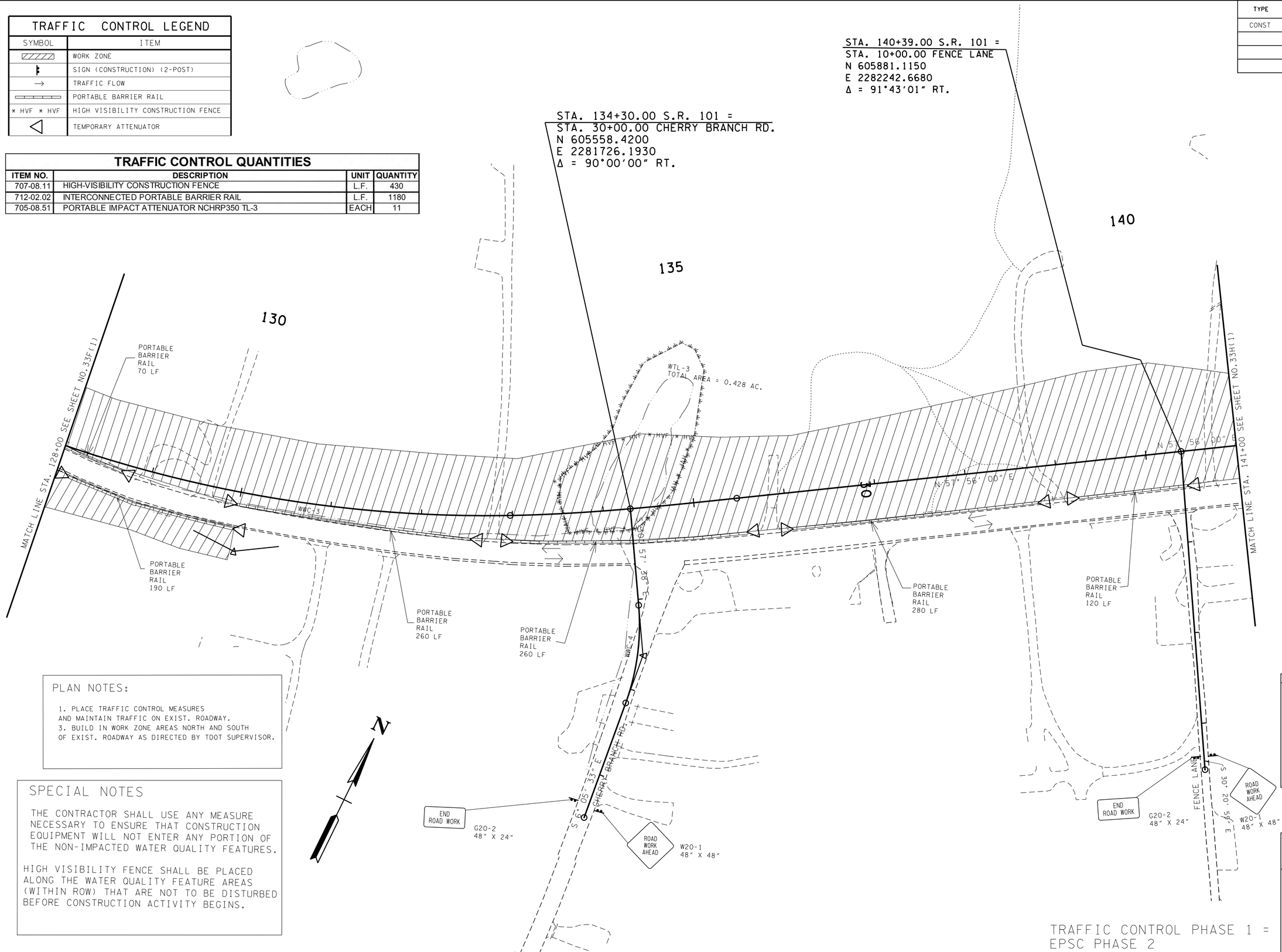
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33G(1)

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

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
* HVF * HVF	HIGH VISIBILITY CONSTRUCTION FENCE
◁	TEMPORARY ATTENUATOR

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	430
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	1180
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	11



PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
3. BUILD IN WORK ZONE AREAS NORTH AND SOUTH OF EXIST. ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.

TRAFFIC CONTROL PHASE 1 = EPSC PHASE 2

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.128+00 TO STA.141+00

SCALE: 1"=50'

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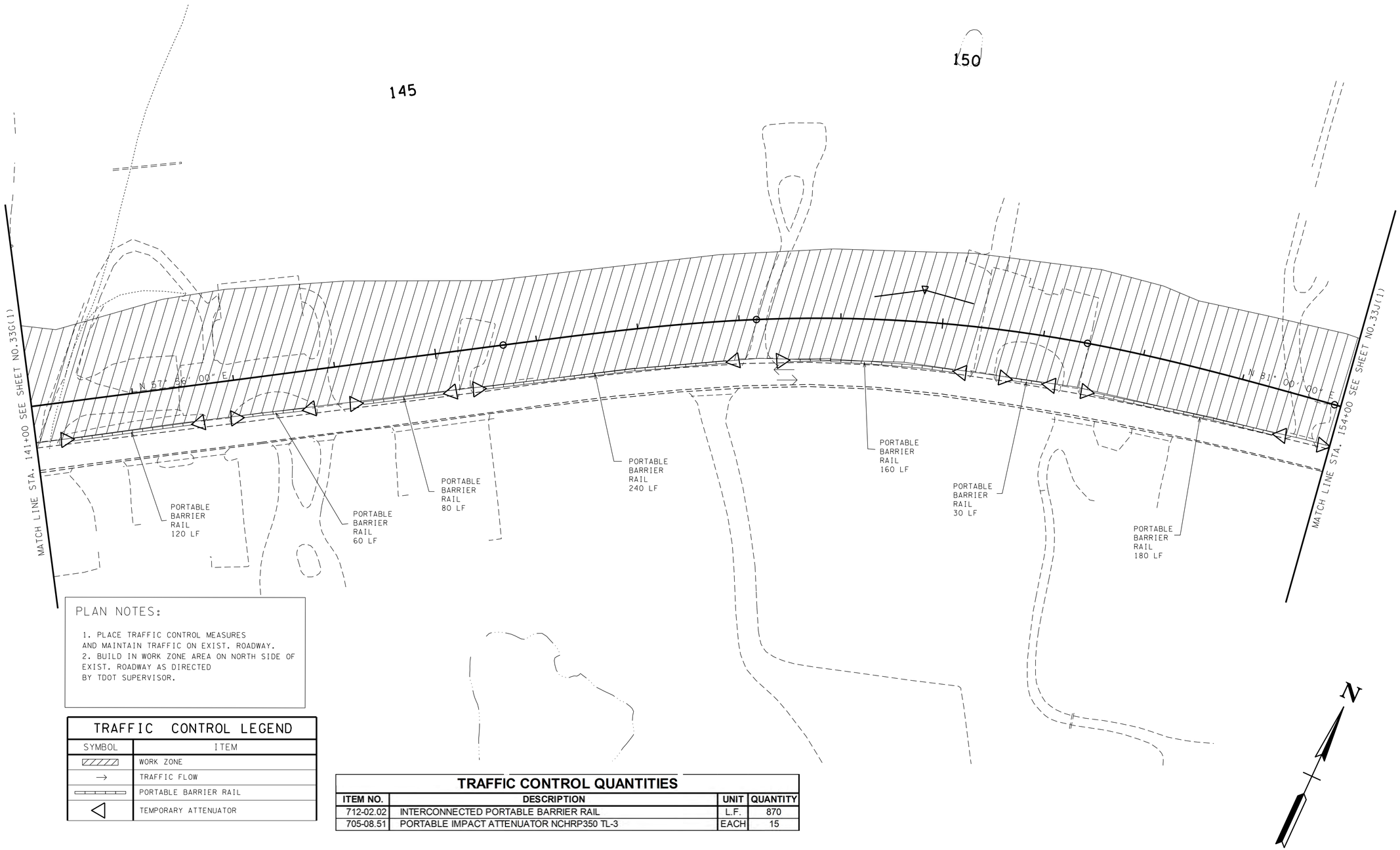
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33H(1)

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



PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE AREA ON NORTH SIDE OF EXIST. ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
◁	TEMPORARY ATTENUATOR

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	870
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	15

TRAFFIC CONTROL PHASE 1 =
EPSC PHASE 2

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UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.141+00 TO STA.154+00

SCALE: 1"=50'

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

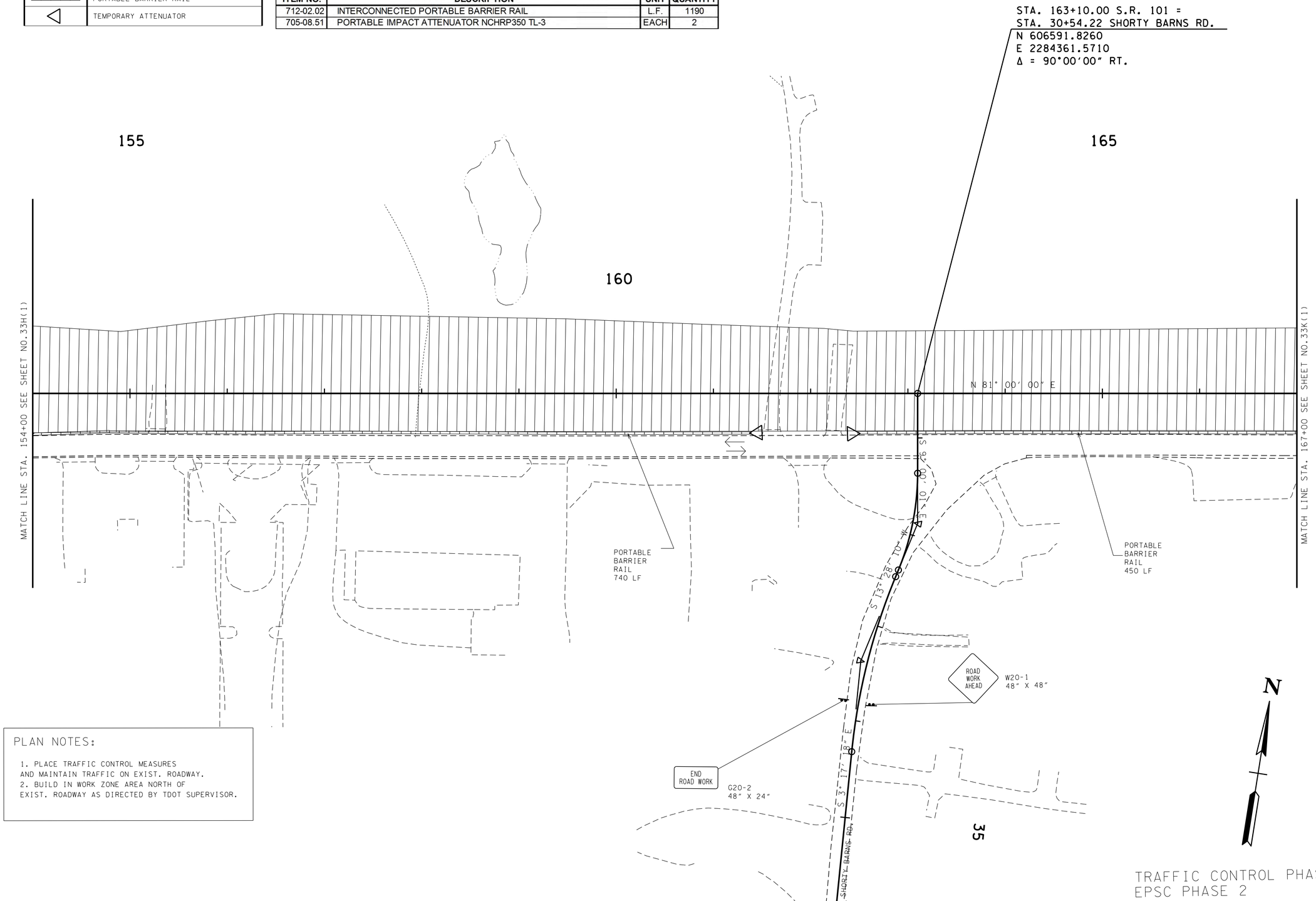
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33J(1)

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
◁	TEMPORARY ATTENUATOR

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	1190
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	2



PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE AREA NORTH OF EXIST. ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL PHASE 1 = EPSC PHASE 2

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.154+00 TO STA.167+00

SCALE: 1"=50'

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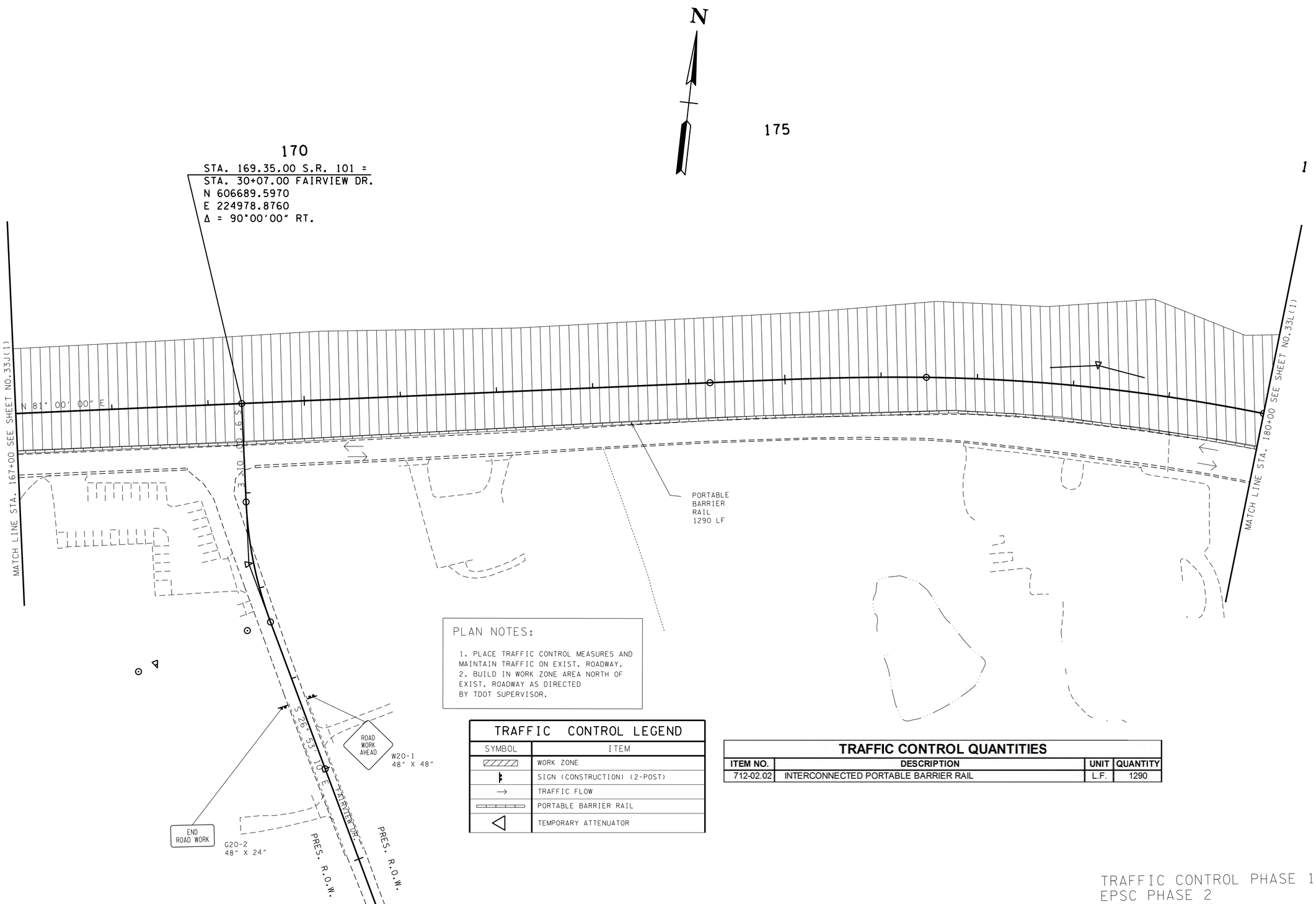
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33K(1)



PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE AREA NORTH OF EXIST. ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	1290

TRAFFIC CONTROL PHASE 1 =
EPSC PHASE 2

SEALED BY

UNOFFICIAL SET
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.167+00 TO STA.180+00

SCALE: 1"=50'

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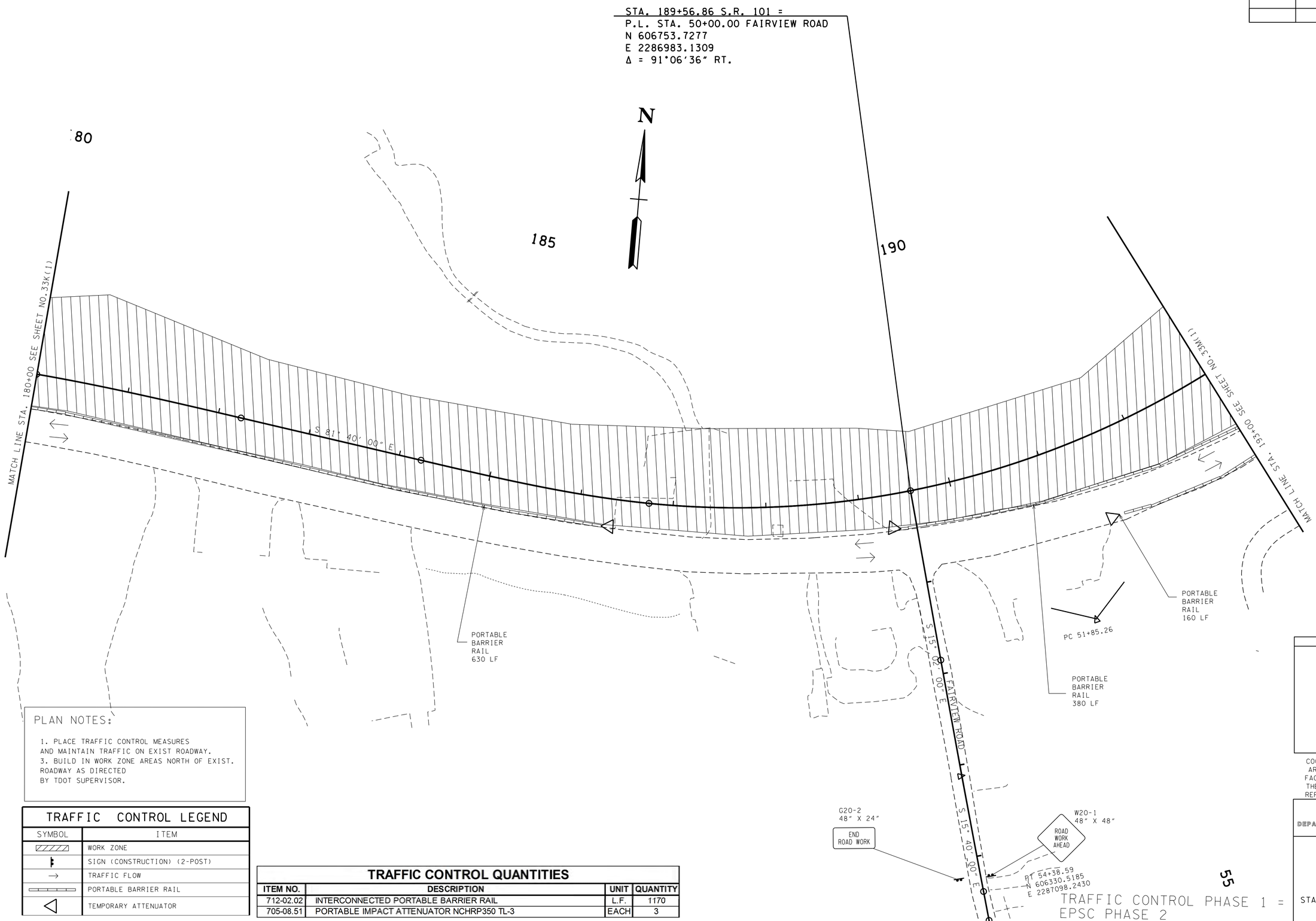
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33L(1)



PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON EXIST ROADWAY.
3. BUILD IN WORK ZONE AREAS NORTH OF EXIST. ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
◁	TEMPORARY ATTENUATOR

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	1170
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	3

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.180+00 TO STA.193+00

SCALE: 1"=50'

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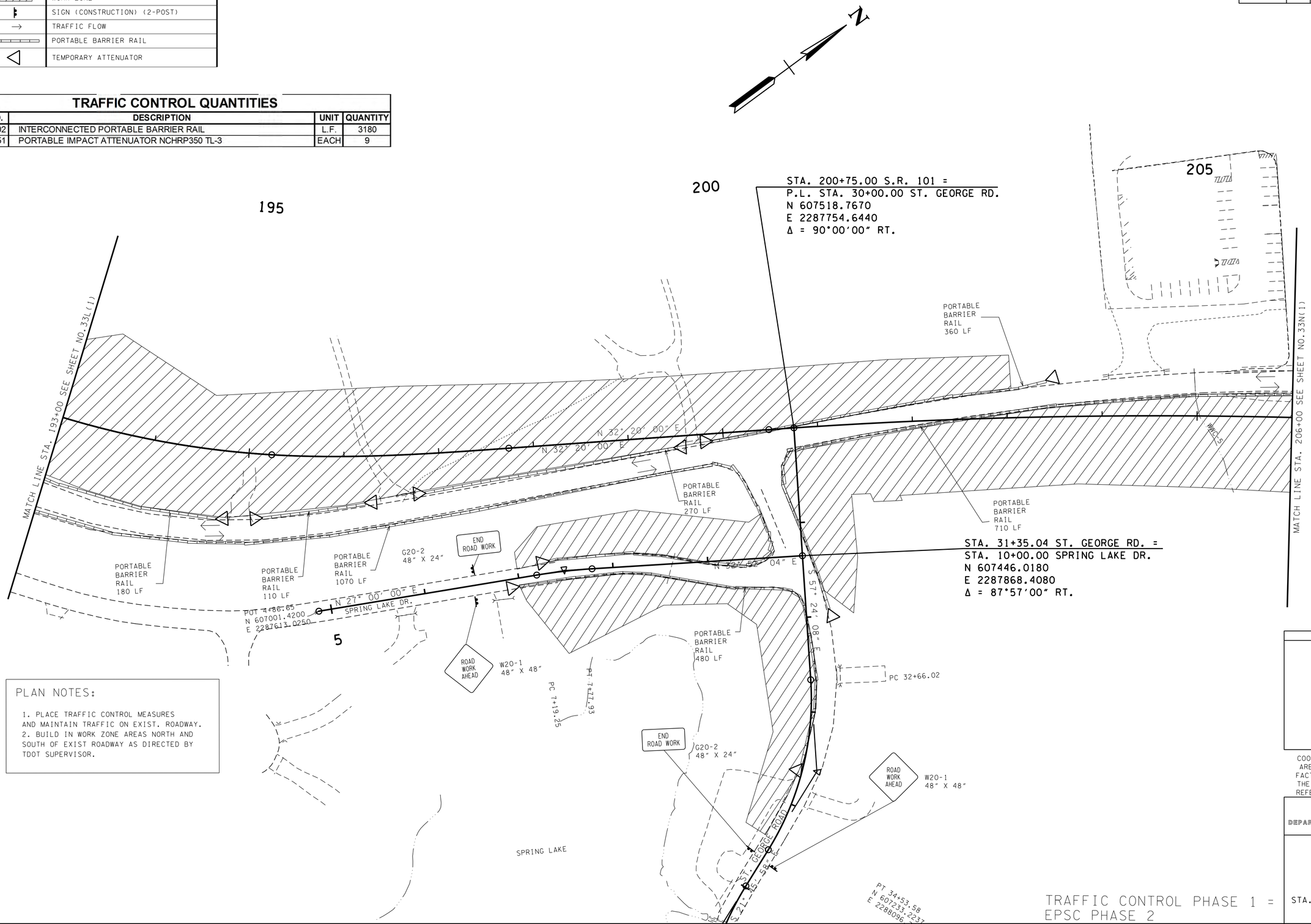
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33M(1)

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	3180
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	9



PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE AREAS NORTH AND SOUTH OF EXIST ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL PHASE 1 = EPSC PHASE 2

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.193+00 TO STA.206+00

SCALE: 1"=50'

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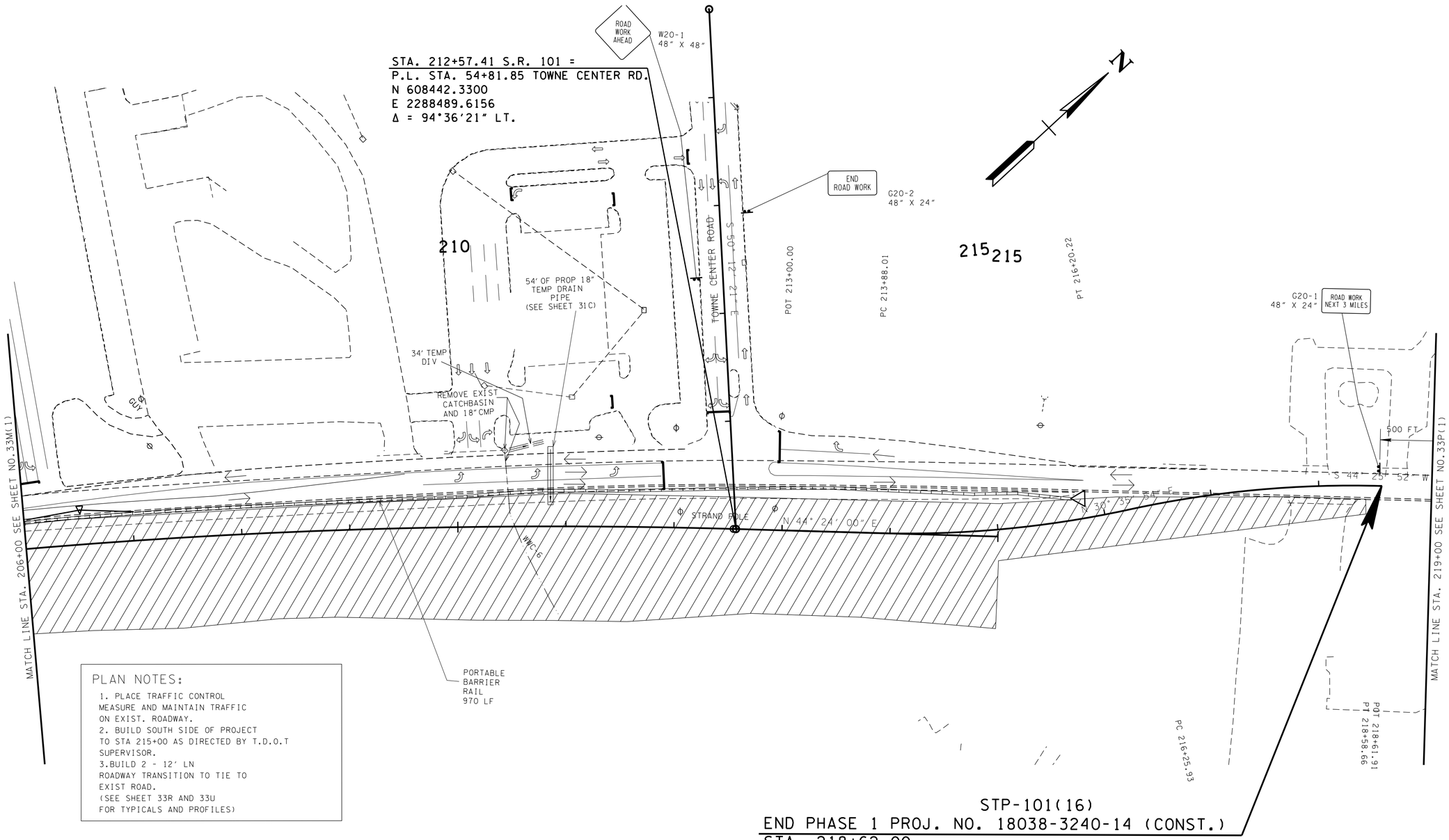
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33N(1)

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



PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURE AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD SOUTH SIDE OF PROJECT TO STA 215+00 AS DIRECTED BY T.D.O.T SUPERVISOR.
3. BUILD 2 - 12' LN ROADWAY TRANSITION TO TIE TO EXIST ROAD. (SEE SHEET 33R AND 33U FOR TYPICALS AND PROFILES)

STP-101(16)
END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STA. 218+62.00

CURVE TCP1FIVE
PI 215+04.68
N 608,618.9963
E 2,288,662.6201
Δ 13° 48' 06" (LT)
D 5° 56' 37"
R 964.00
L 232.21
T 116.67
NORMAL CROWN
DESIGN SPEED 45 MPH

CURVE TCP1SIX
PI 217+42.86
N 608,824.9895
E 2,288,784.4360
Δ 13° 49' 58" (RT)
D 5° 56' 37"
R 964.00
L 232.74
T 116.94
NORMAL CROWN
DESIGN SPEED 45 MPH

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	970
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	1

TRAFFIC CONTROL PHASE 1 =
EPSC PHASE 2

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COORDINATES ARE NAD/B3(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.206+00 TO STA.219+00

SCALE: 1"=50'

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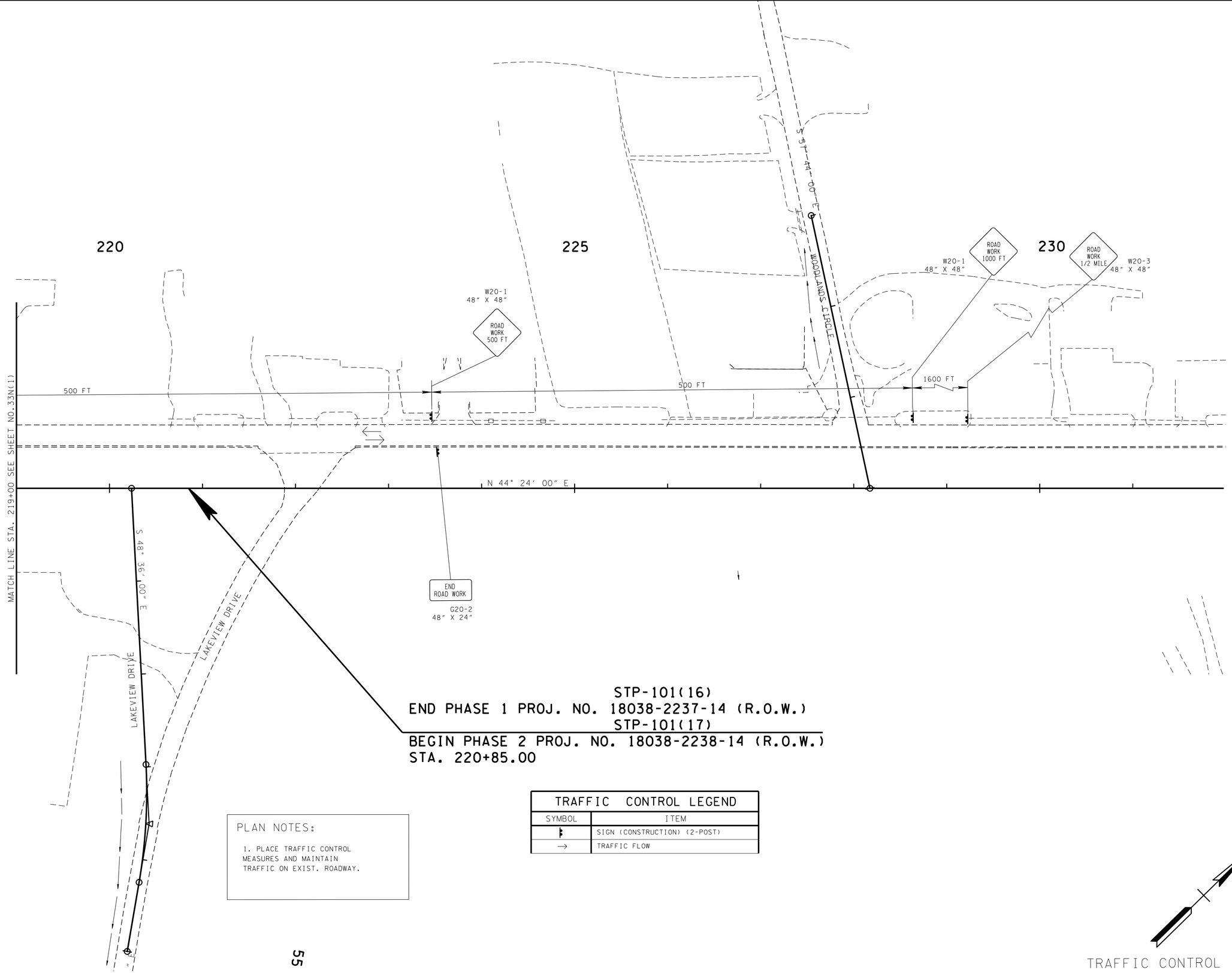
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33P(1)



STP-101(16)
END PHASE 1 PROJ. NO. 18038-2237-14 (R.O.W.)
STP-101(17)
BEGIN PHASE 2 PROJ. NO. 18038-2238-14 (R.O.W.)
STA. 220+85.00

PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW

TRAFFIC CONTROL PHASE 1

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.219+00 TO STA.232+00

SCALE: 1"=50'

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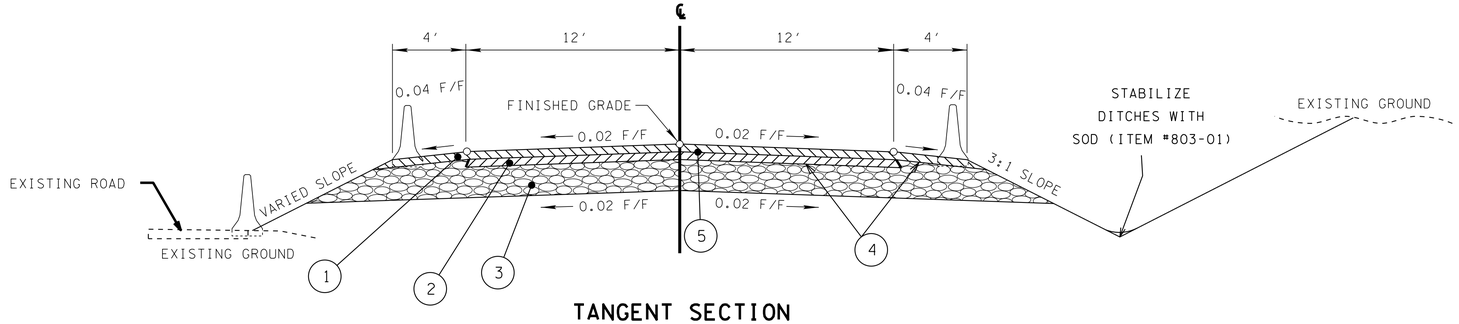
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	STP-101(16)	33(R)

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

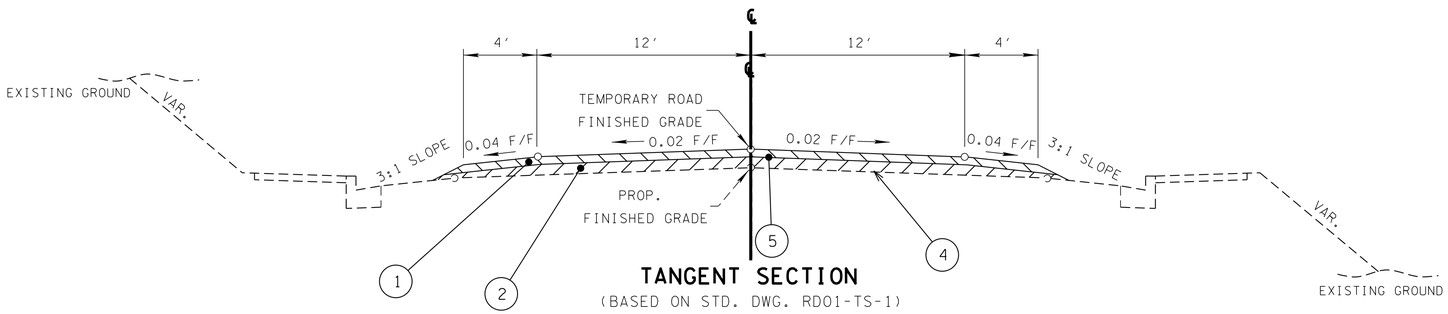


TANGENT SECTION

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

PHASE 2 - 2 LN TEMPORARY ROAD (SEE CROSS-SECTIONS ON SHEET 40-48 AND PROFILE ON SHEET S-T)

STA 68+00.00 - 86+65.17

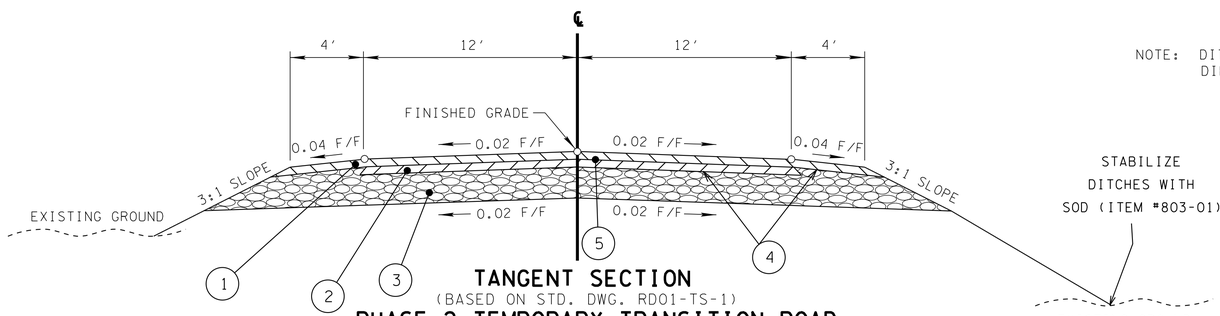


TANGENT SECTION

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

PHASE 2 TEMPORARY TRANSITION ROAD (SEE CROSS-SECTIONS ON SHEET 140-142 AND PROFILE ON SHEET U)

STA 213+00.00 - 215+00.00



TANGENT SECTION

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

PHASE 2 TEMPORARY TRANSITION ROAD (SEE CROSS-SECTIONS ON SHEET 140-142 AND PROFILE ON SHEET U)

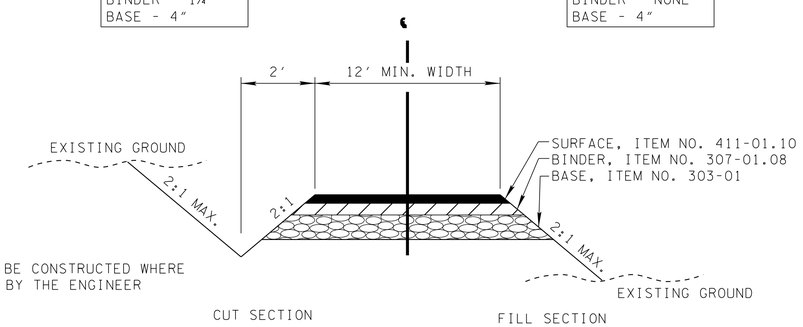
STA 215+00.00 - 217+63.52

BUSINESS

SURFACE - 1¼"
BINDER - 1¾"
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

PROPOSED PAVEMENT SCHEDULE

(1) BITUMINOUS BINDER GRADING "BM-2" 2.00" THICK (APPROX. 226.0 LBS/ SQ YD) 307-02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING BM-2	(3) MINERAL AGGREGATE BASE 9" THICK (APPROX. 902 LBS/SQ YD 303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"	(4) PRIME COAT 402-01 BITUMINOUS MAT. FOR PRIME COAT (PC) @ 0.3-0.35 GAL/SY 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 8-12 LB/SY
(2) BITUMINOUS BASE (HOT MIX) GRADING "A" 3" THICK (APPROX. 345 LBS/ SQ YD) 307-02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	(A) THE SLOPES OF THE SHOULDER AND ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 0.07.	(5) TACK COAT 403-01 BITUMINOUS MAT. FOR TACK COAT (TC) @ 0.02 GAL/SY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

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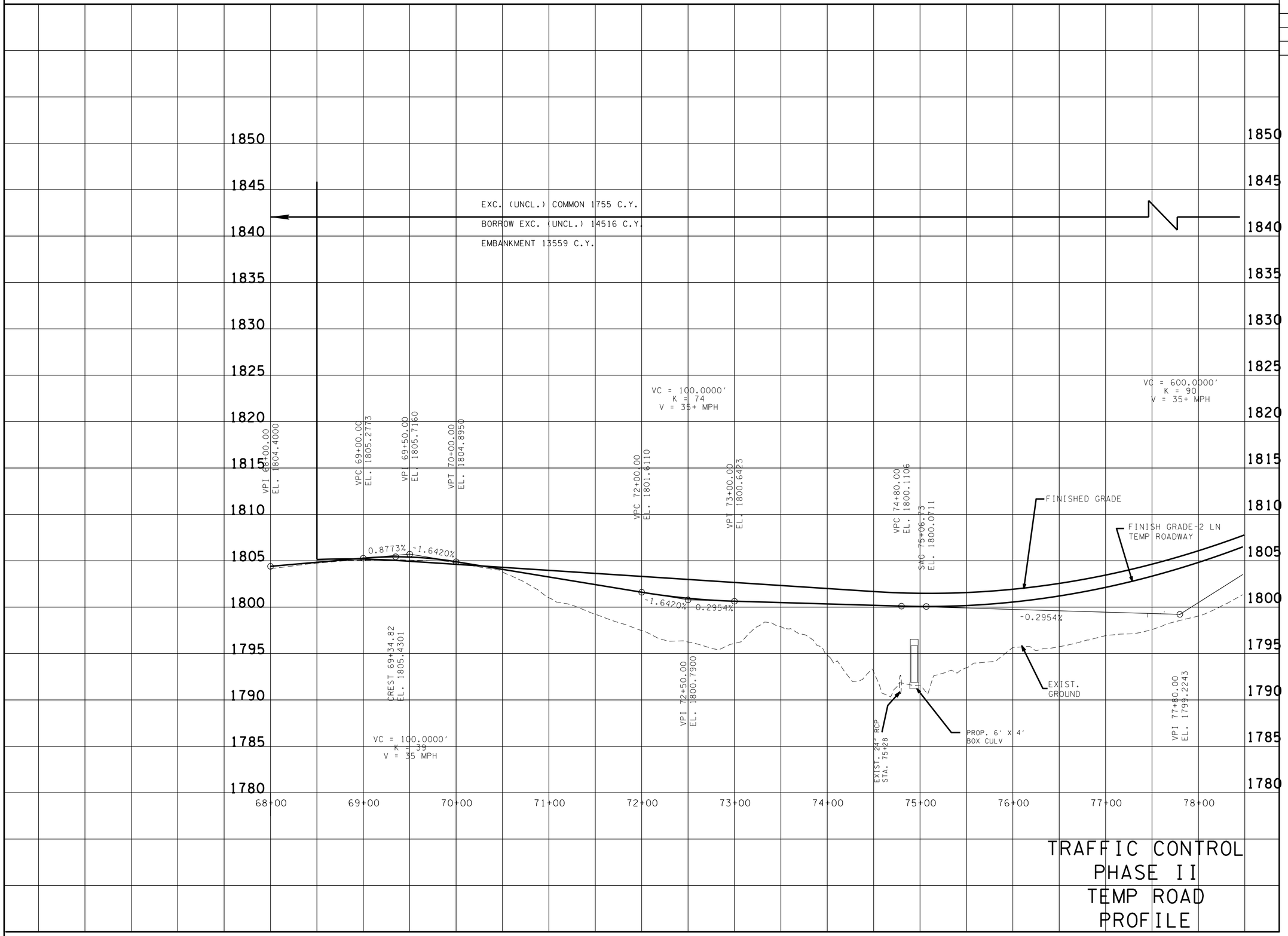
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33(S)



TRAFFIC CONTROL
PHASE II
TEMP ROAD
PROFILE

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

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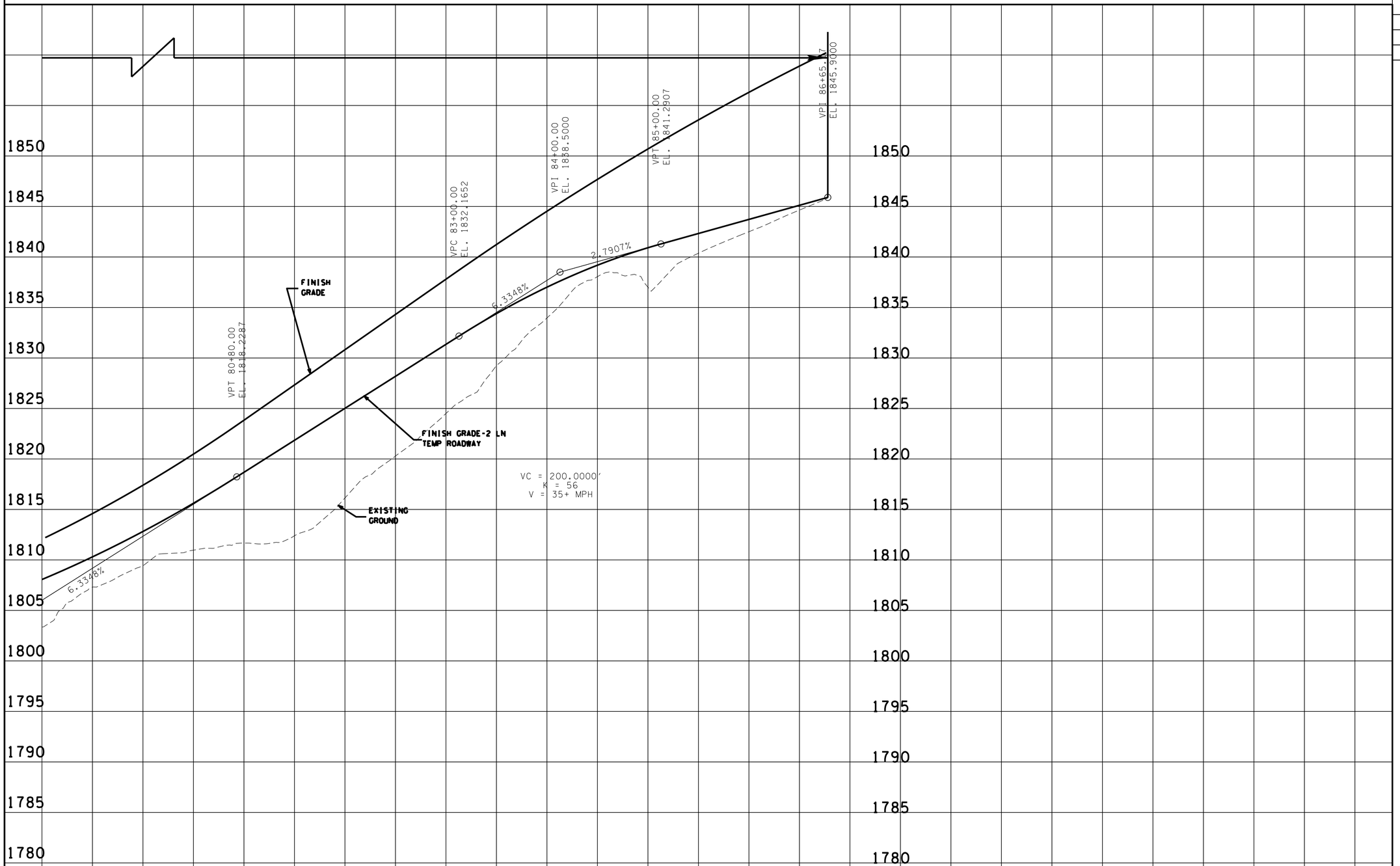
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33(T)



TRAFFIC CONTROL
PHASE II
TEMP ROAD
PROFILE

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

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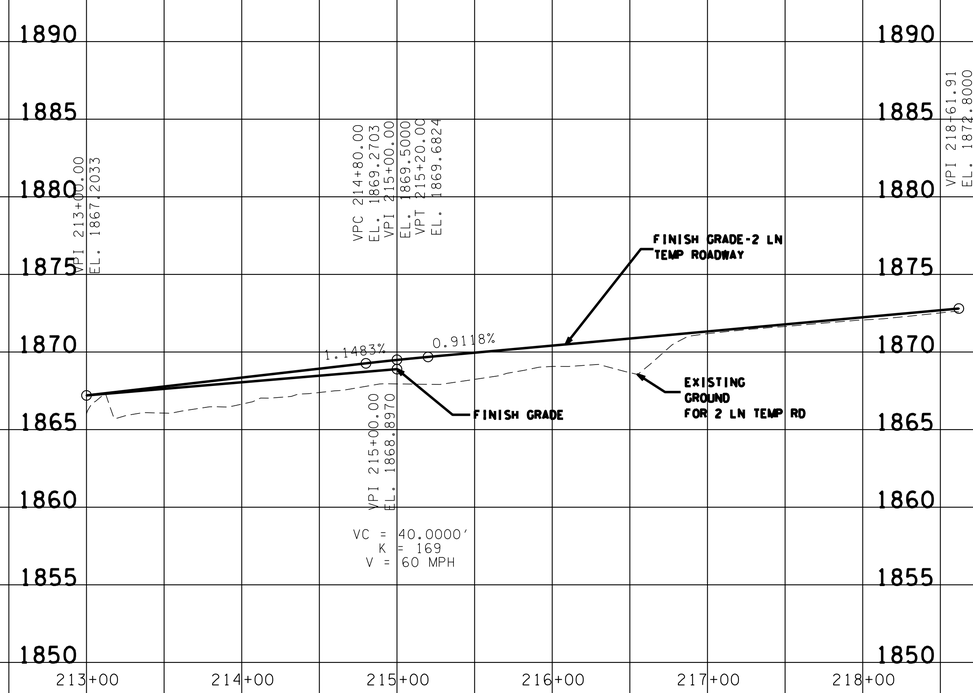
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33(U)



TRAFFIC CONTROL
PHASE II
TEMP ROAD
PROFILE

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

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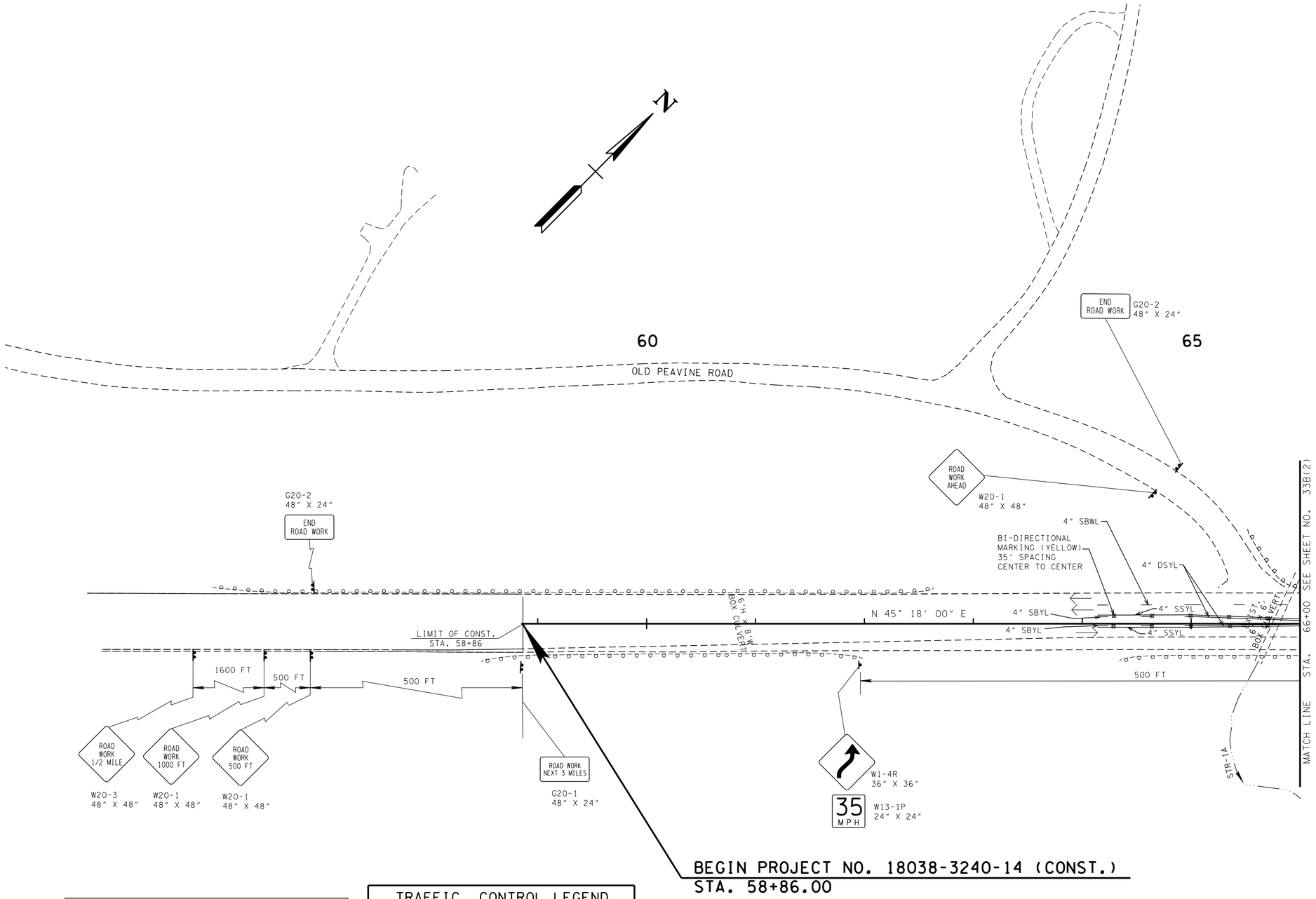
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33A(2)

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



PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROAD.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	10

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS		716-05.01
	STATION		4" LINE
	FROM	TO	L.M.
SR101	64+10.00	65+00.00	0.1
SR101	65+00.00	66+00.00	0.1
TOTALS			0.2

TRAFFIC CONTROL PHASE 2 = EPSC PHASE 3

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.56+00 TO STA.66+00

SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33B(2)

TRAFFIC CONTROL QUANTITIES

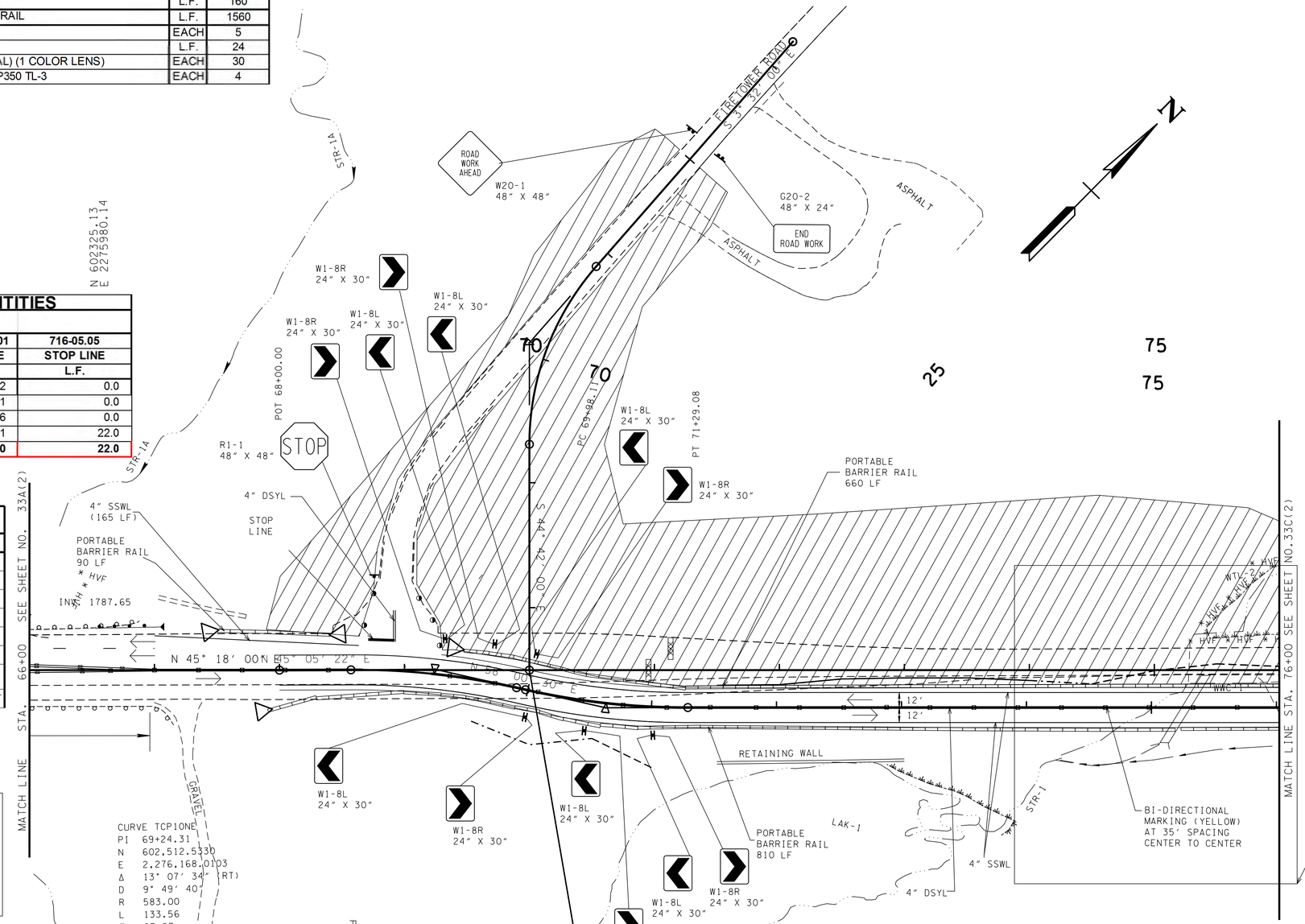
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	160
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	1560
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	5
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	24
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	30
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	4

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS STATION FROM	TO	716-05.01 4" LINE L.M.	716-05.05 STOP LINE L.F.
SR101	66+00.00	68+00.00	0.2	0.0
TEMP 2 LN RD	68+00.00	68+66.61	0.1	0.0
TEMP 2 LN RD	69+21.31	76+02.30	0.6	0.0
FIRETOWER RD	29+02.00	29+28.00	0.1	22.0
TOTALS			1.0	22.0

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
* HVF * HVF	HIGH VISIBILITY CONSTRUCTION FENCE
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT



DETAIL A

PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES AND DETOUR TRAFFIC FROM EXIST ROADWAY TO PROP 2 LN TEMP. ROAD.
2. SEE DETAIL A.
3. BUILD IN WORK ZONE AREA ON NORTH SIDE AS DIRECTED BY TDOT SUPERVISOR.

CURVE TCP1ONE
PI 69+24.31
N 602,512.5330
E 2,276,168.0103
Δ 13° 07' 34" (RT)
D 9° 49' 40"
R 583.00
L 133.56
T 67.07
NORMAL CROWN
DESIGN SPEED 35 MPH

CURVE TCP1TWO
PI 70+63.87
N 602,586.7359
E 2,276,286.8783
Δ 12° 52' 17" (LT)
D 9° 49' 40"
R 583.00
L 130.97
T 65.76
NORMAL CROWN
DESIGN SPEED 35 MPH

STA. 70+00.00 S.R. 101 =
STA. 29+50.00 FIRETOWER RD.
N 602565.2800
E 2276222.3070
Δ = 90°00'00" RT.

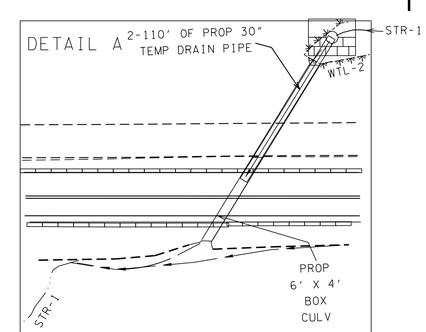
SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
	SUSPENDED PIPE DIVERSION	EC-STR-33 EC-STR-33A
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1



1. BUILD REMAINING PROP 6' X 4' BOX CULV.
2. REMOVE SUSPENDED PIPE DIV. AND DIVERT STR-1 INTO PROP 6' X 4' BOX CULV. AS DIRECTED BY T.D.O.T SUPERVISOR.

TRAFFIC CONTROL PHASE 2 = EPSC PHASE 3

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.66+00 TO STA.76+00

SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33C(2)

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	710
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	2050
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	12
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	96
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	37
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	14

PAVEMENT MARKING QUANTITIES

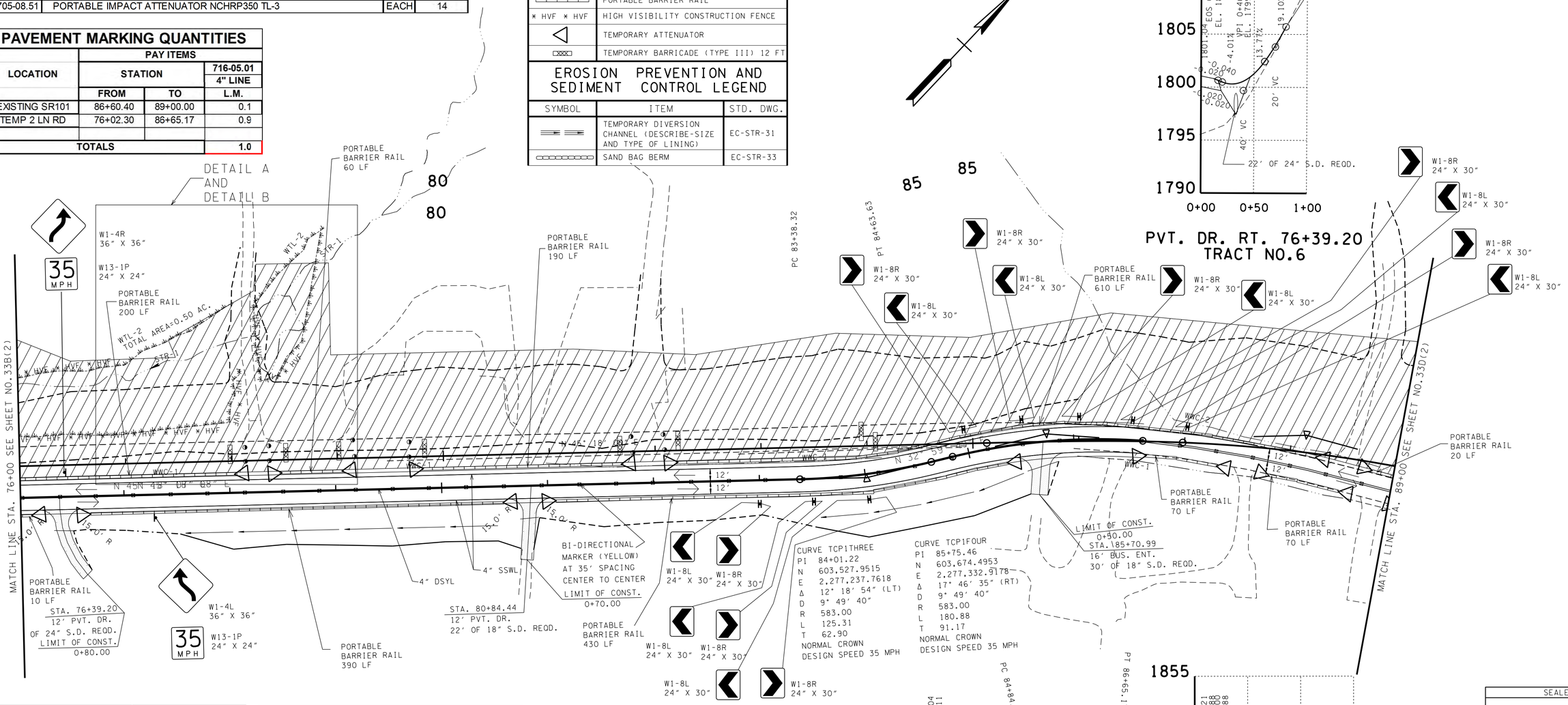
LOCATION	PAY ITEMS		
	STATION		716-05.01 4" LINE
	FROM	TO	L.M.
EXISTING SR101	86+60.40	89+00.00	0.1
TEMP 2 LN RD	76+02.30	86+65.17	0.9
TOTALS			1.0

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
× HVF × HVF	HIGH VISIBILITY CONSTRUCTION FENCE
◁	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT

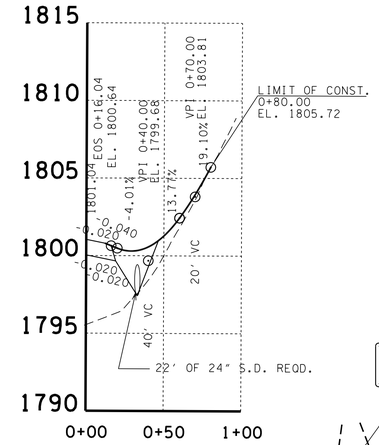
EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	TEMPORARY DIVERSION CHANNEL (DESCRIBE-SIZE AND TYPE OF LINING)	EC-STR-31
	SAND BAG BERM	EC-STR-33

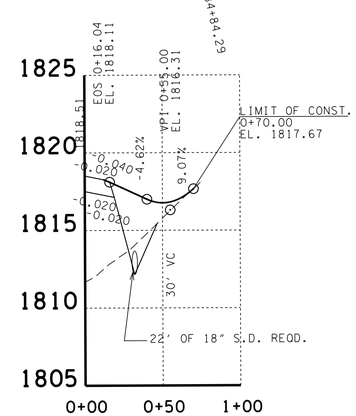


CURVE TCP1THREE
PI 84+01.22
N 603,527.9515
E 2,277,237.7618
Δ 12° 18' 54" (LT)
D 9° 49' 40"
R 583.00
L 125.31
T 62.90
NORMAL CROWN
DESIGN SPEED 35 MPH

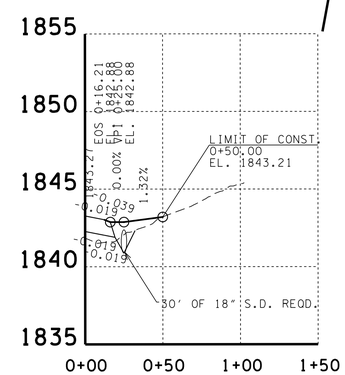
CURVE TCP1FOUR
PI 85+75.46
N 603,674.4953
E 2,277,332.9178
Δ 17° 46' 35" (RT)
D 9° 49' 40"
R 583.00
L 180.88
T 91.17
NORMAL CROWN
DESIGN SPEED 35 MPH



PVT. DR. RT. 76+39.20
TRACT NO.6

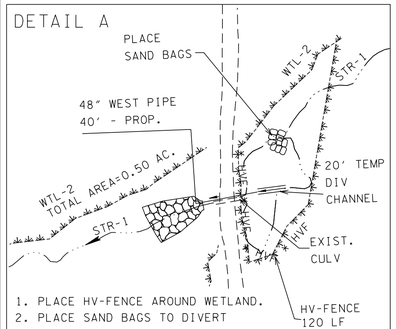


PVT. DR. RT. 80+84.44
TRACT NO.7



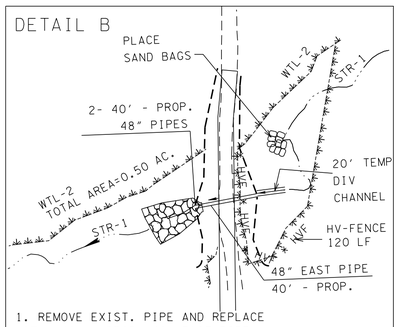
BUS. ENT. RT. 85+70.99
TRACT NO.9

DETAIL A



1. PLACE HV-FENCE AROUND WETLAND.
2. PLACE SAND BAGS TO DIVERT STR-1 INTO ONE CHANNEL.
3.BUILD PROP. 40' - 48" WEST PIPE AND RIP-RAP.(SEE SHEET 31)
4. BUILD 22' TEMP DIV. CHANNEL TO DIVERT STR-1 INTO PROP WEST 40' - 48" PIPE .

DETAIL B



1. REMOVE EXIST. PIPE AND REPLACE WITH 40' - PROP. 48" EAST PIPE. (SEE SHEET 31)
2. BUILD DRIVEWAY AND REPLACE HV-FENCE IDENTIFYING WETLAND.

PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES AND DETOUR TRAFFIC ON PROP 2 LN TEMP. ROAD TO EXIST. ROADWAY.
2. SEE DETAIL A & B
3. BUILD IN WORK ZONE AREA ON NORTH SIDE OF EXIST. ROAD AS DIRECTED BY TDOT SUPERVISOR.

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.

TRAFFIC CONTROL PHASE 2= EPSC PHASE 3

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.76+00 TO STA.89+00

SCALE: 1"=50'

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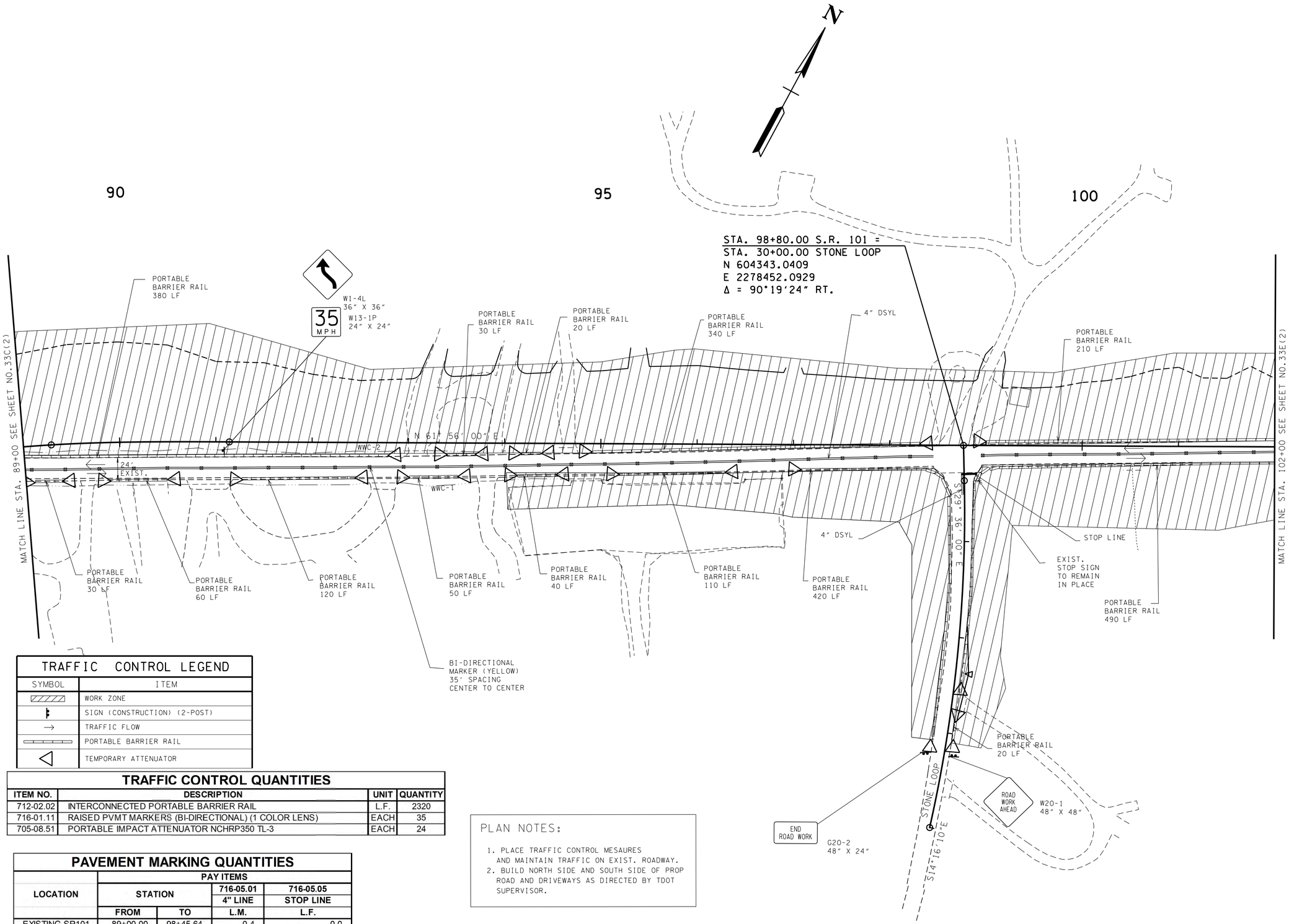
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33D(2)

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



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	2320
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	35
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	24

PAVEMENT MARKING QUANTITIES

LOCATION	STATION		PAY ITEMS 716-05.01 4" LINE	PAY ITEMS 716-05.05 STOP LINE
	FROM	TO	L.M.	L.F.
EXISTING SR101	89+00.00	98+45.64	0.4	0.0
EXISTING SR101	98+95.14	102+00.00	0.2	0.0
STONE LOOP	30+29.00	30+50.00	0.1	16.0
TOTALS			0.7	16.0

PLAN NOTES:

1. PLACE TRAFFIC CONTROL MESAURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD NORTH SIDE AND SOUTH SIDE OF PROP ROAD AND DRIVEWAYS AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL PHASE 2= EPSC PHASE 3

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.89+00 TO STA.102+00

SCALE: 1"=50'

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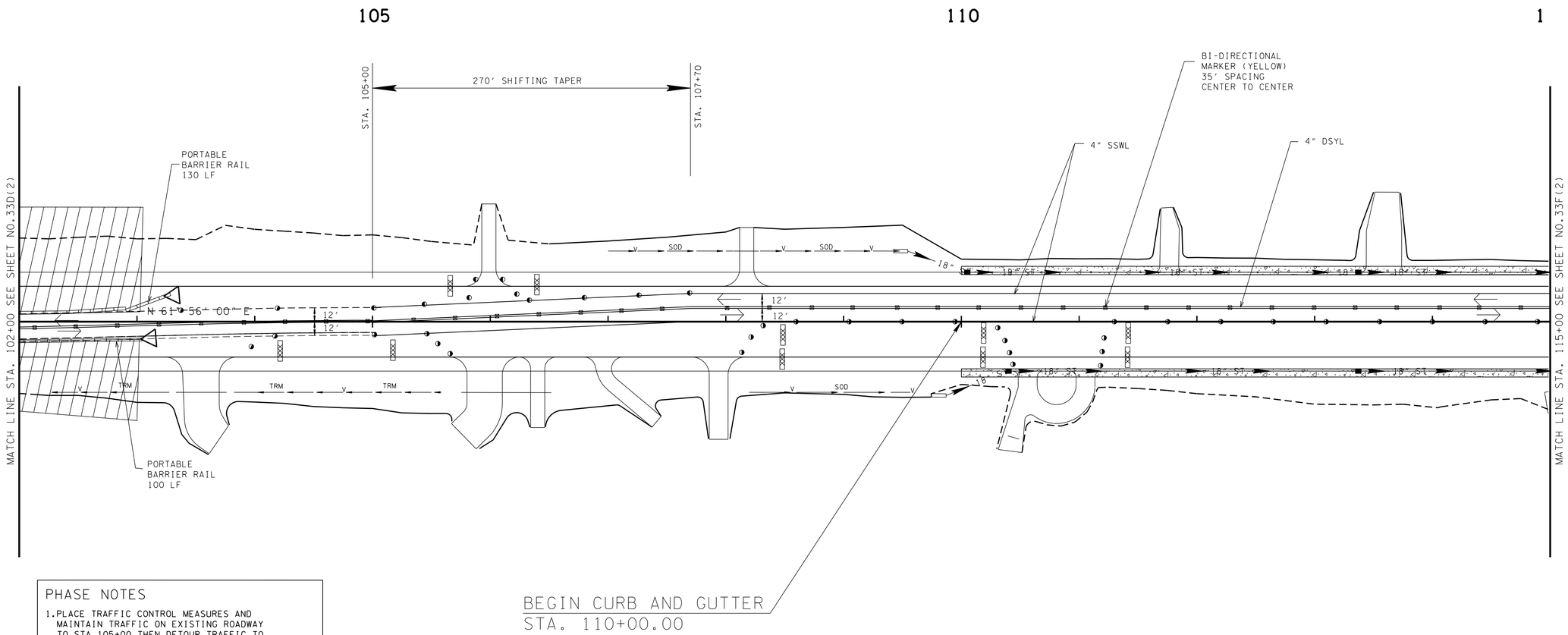
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33E(2)



PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON EXISTING ROADWAY TO STA 105+00 THEN DETOUR TRAFFIC TO PROP. 2 LN ROADWAY.
2. BUILD NORTH AND SOUTH SIDE OF PROP ROADWAY TO STA 103+00 AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	230
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	42
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	120
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	37
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	2

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS		
	STATION		716-05.01 4" LINE
	FROM	TO	L.M.
EXISTING SR101	102+00.00	105+00.00	0.2
SR101	105+00.00	115+00.00	0.8
TOTALS			1.0

TRAFFIC CONTROL PHASE 2 = EPSC PHASE 3

SEALED BY

UNOFFICIAL SET
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.102+00 TO STA.115+00

SCALE: 1"=50'

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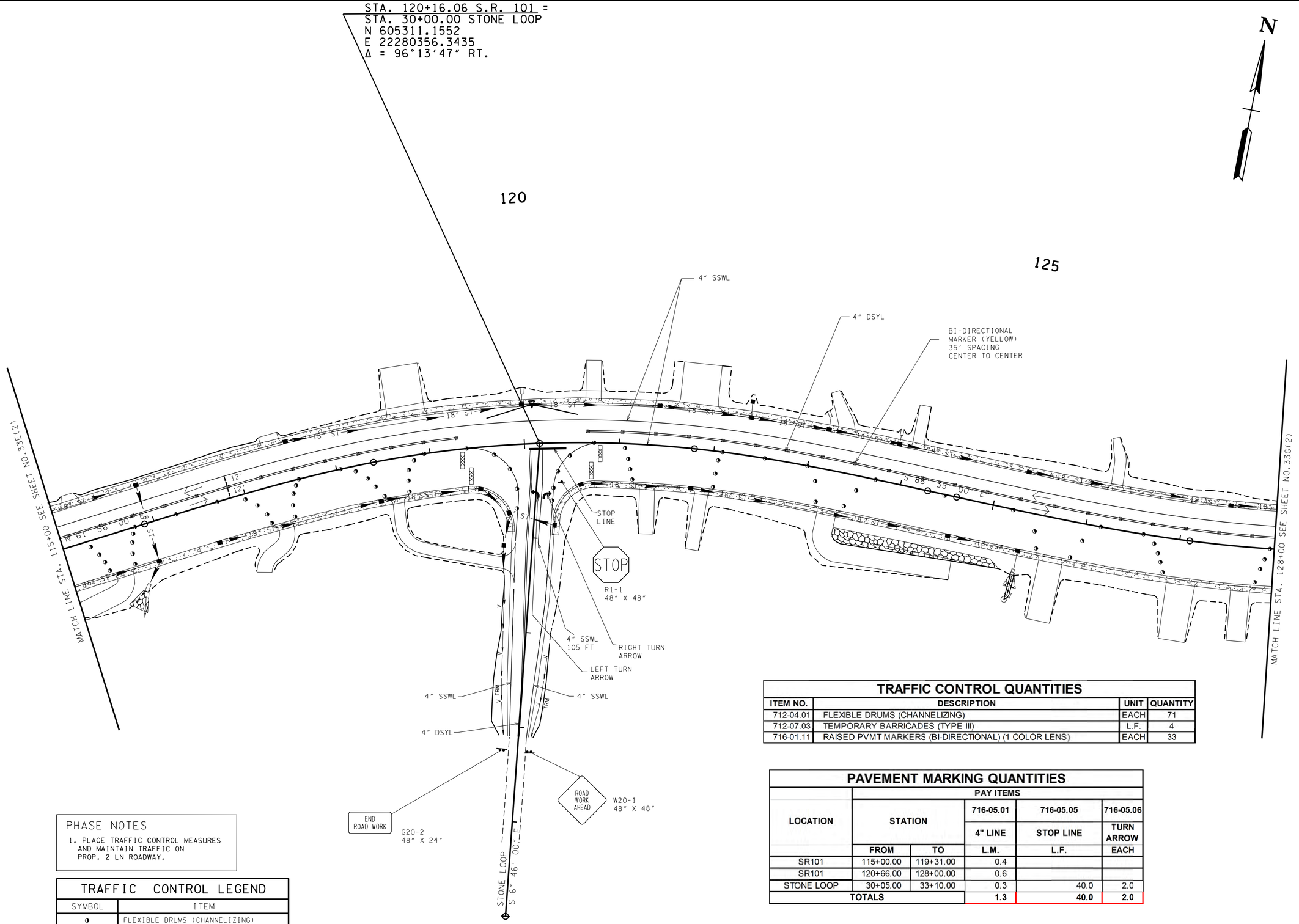
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33F(2)

STA. 120+16.06 S.R. 101 =
STA. 30+00.00 STONE LOOP
N 605311.1552
E 22280356.3435
Δ = 96°13'47" RT.



TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	71
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	4
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	33

PAVEMENT MARKING QUANTITIES

LOCATION	STATION		PAY ITEMS 716-05.01 4" LINE	716-05.05 STOP LINE	716-05.06 TURN ARROW
	FROM	TO	L.M.	L.F.	EACH
SR101	115+00.00	119+31.00	0.4		
SR101	120+66.00	128+00.00	0.6		
STONE LOOP	30+05.00	33+10.00	0.3	40.0	2.0
TOTALS			1.3	40.0	2.0

PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON PROP. 2 LN ROADWAY.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
◑	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	TEMPORARY BARRICADE (TYPE III) 12 FT

35

TRAFFIC CONTROL PHASE 2 =
EPSC PHASE 3

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/B3(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.115+00 TO STA.128+00

SCALE: 1"=50'

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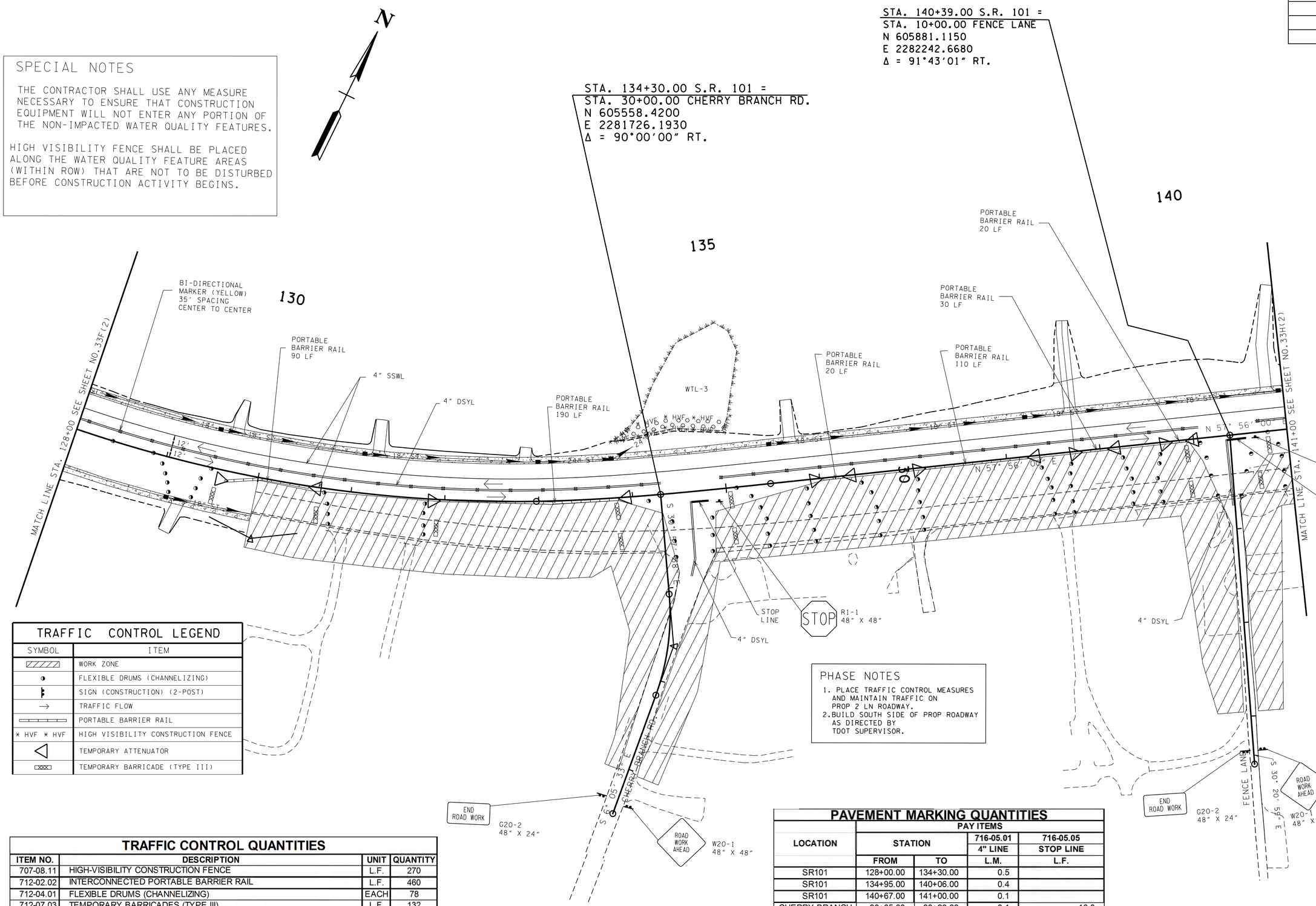
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33G(2)

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
× HVF × HVF	HIGH VISIBILITY CONSTRUCTION FENCE
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)

PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY.
2. BUILD SOUTH SIDE OF PROP ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	270
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	460
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	78
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	132
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	38
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	12

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS			
	STATION		716-05.01 4" LINE	716-05.05 STOP LINE
	FROM	TO	L.M.	L.F.
SR101	128+00.00	134+30.00	0.5	
SR101	134+95.00	140+06.00	0.4	
SR101	140+67.00	141+00.00	0.1	
CHERRY BRANCH	30+05.00	30+90.00	0.1	16.0
FENCE LANE	10+05.00	10+75.00	0.1	16.0
TOTALS			1.2	32.0

TRAFFIC CONTROL PHASE 2 = EPSC PHASE 3

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.128+00 TO STA.141+00

SCALE: 1"=50'

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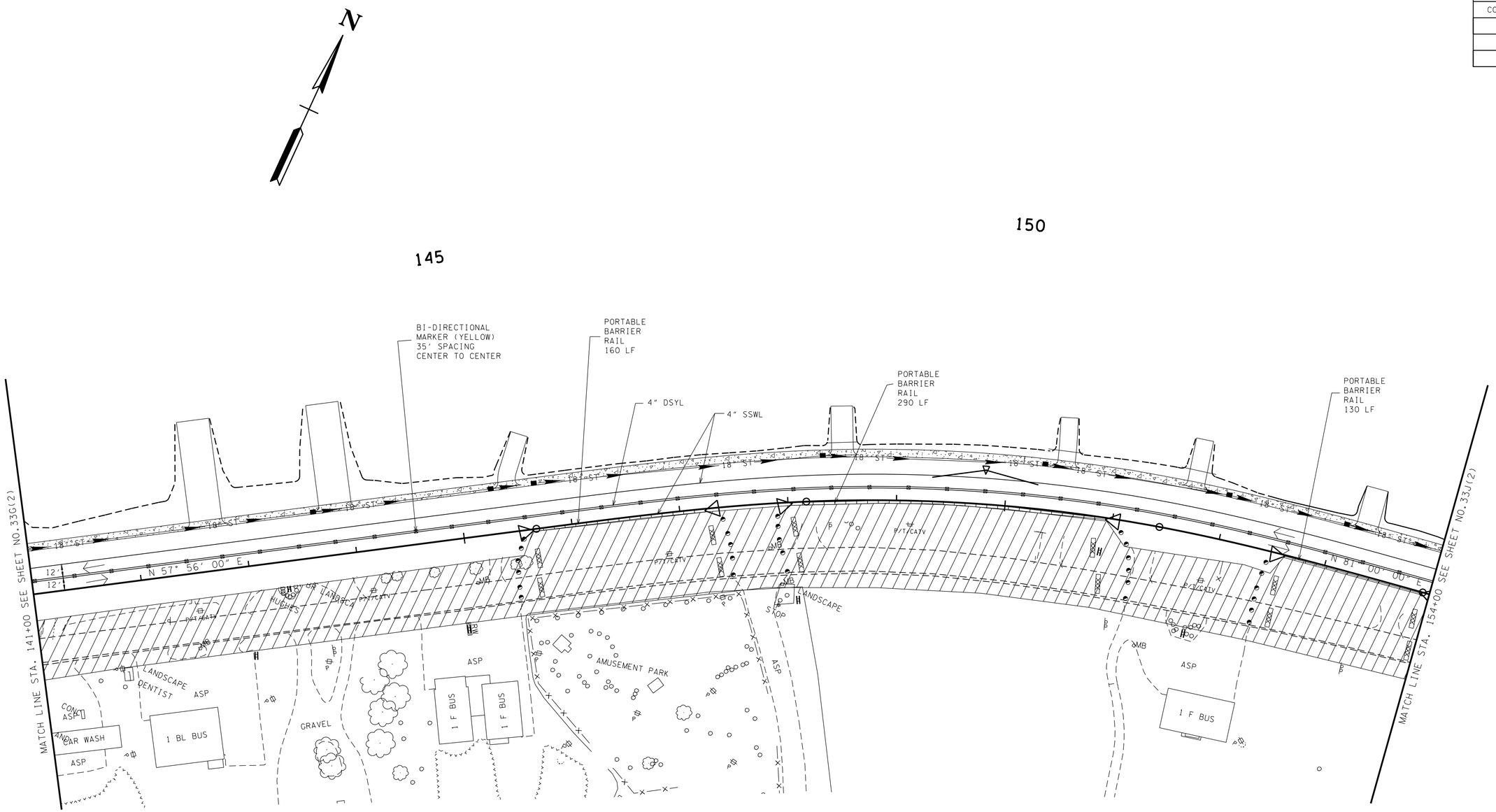
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33H(2)

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



PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY.
2. BUILD SOUTH SIDE OF PROP ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	580
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	28
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	144
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	37
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	5

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS		
	STATION		716-05.01 4" LINE
	FROM	TO	L.M.
SR101	141+00.00	154+00.00	1.0
TOTALS			1.0

TRAFFIC CONTROL PHASE 2 = EPSC PHASE 3

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.141+00 TO STA.154+00

SCALE: 1"=50'

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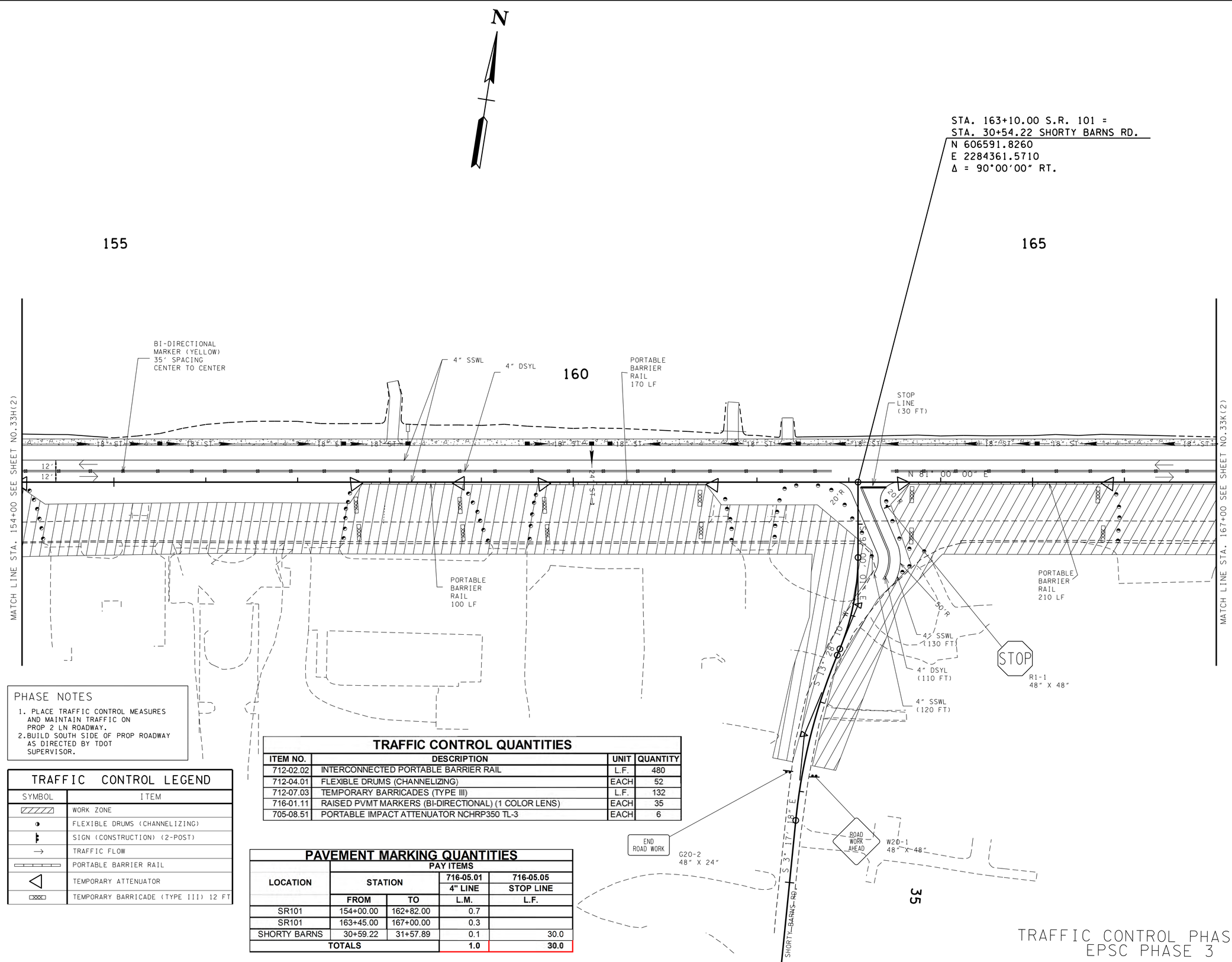
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33J(2)



PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY.
2. BUILD SOUTH SIDE OF PROP ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	480
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	52
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	132
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	35
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	6

PAVEMENT MARKING QUANTITIES

LOCATION	STATION		PAY ITEMS 716-05.01 4" LINE	PAY ITEMS 716-05.05 STOP LINE
	FROM	TO	L.M.	L.F.
SR101	154+00.00	162+82.00	0.7	
SR101	163+45.00	167+00.00	0.3	
SHORTY BARNS	30+59.22	31+57.89	0.1	30.0
TOTALS			1.0	30.0

TRAFFIC CONTROL PHASE 2 = EPSC PHASE 3

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.154+00 TO STA.167+00

SCALE: 1"=50'

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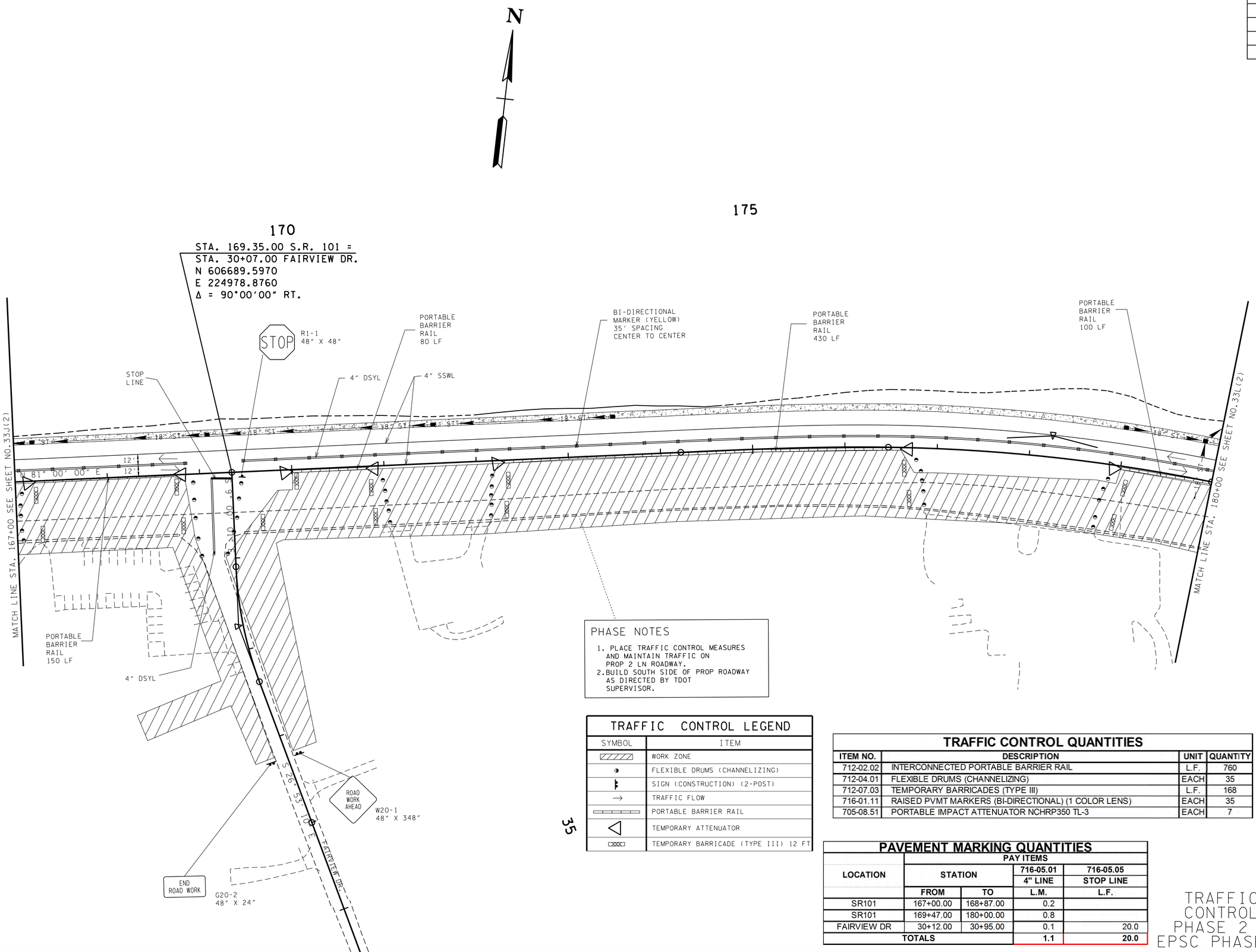
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33K(2)



PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY.
2. BUILD SOUTH SIDE OF PROP ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	760
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	35
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	168
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	35
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	7

PAVEMENT MARKING QUANTITIES

LOCATION	STATION FROM	STATION TO	716-05.01 4" LINE L.M.	716-05.05 STOP LINE L.F.
SR101	167+00.00	168+87.00	0.2	
SR101	169+47.00	180+00.00	0.8	
FAIRVIEW DR	30+12.00	30+95.00	0.1	20.0
TOTALS			1.1	20.0

TRAFFIC CONTROL PHASE 2 = EPSC PHASE 3

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.167+00 TO STA.180+00

SCALE: 1"=50'

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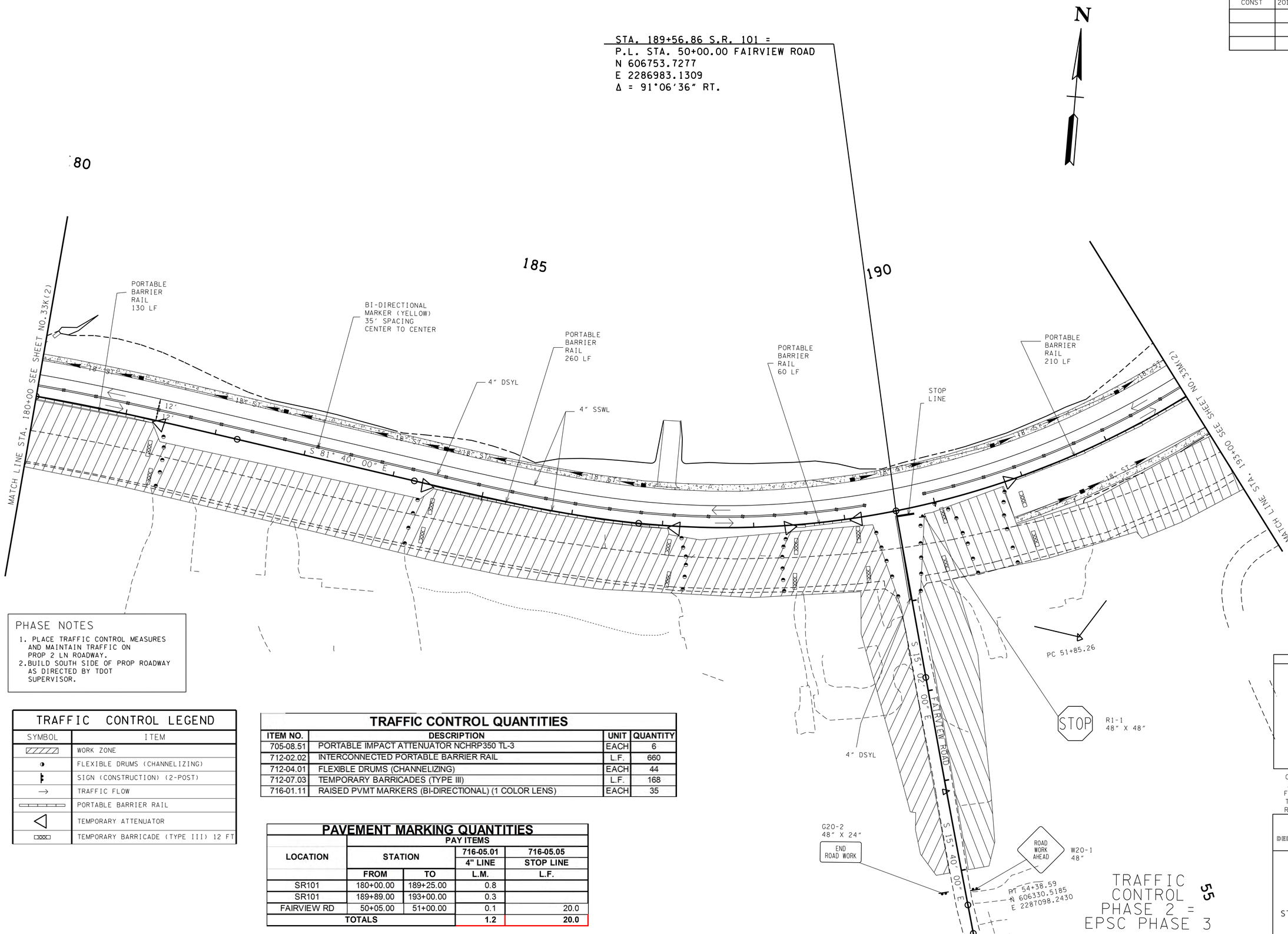
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33L(2)

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



PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY.
2. BUILD SOUTH SIDE OF PROP ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	6
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	660
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	44
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	168
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	35

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS			
	STATION		716-05.01	716-05.05
			4" LINE	STOP LINE
	FROM	TO	L.M.	L.F.
SR101	180+00.00	189+25.00	0.8	
SR101	189+89.00	193+00.00	0.3	
FAIRVIEW RD	50+05.00	51+00.00	0.1	20.0
TOTALS			1.2	20.0

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.180+00 TO STA.193+00

SCALE: 1"=50'

TRAFFIC CONTROL PHASE 2 = EPSC PHASE 3

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33M(2)

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

PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY.
2. BUILD NORTH AND SOUTH SIDE OF PROP ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL QUANTITIES

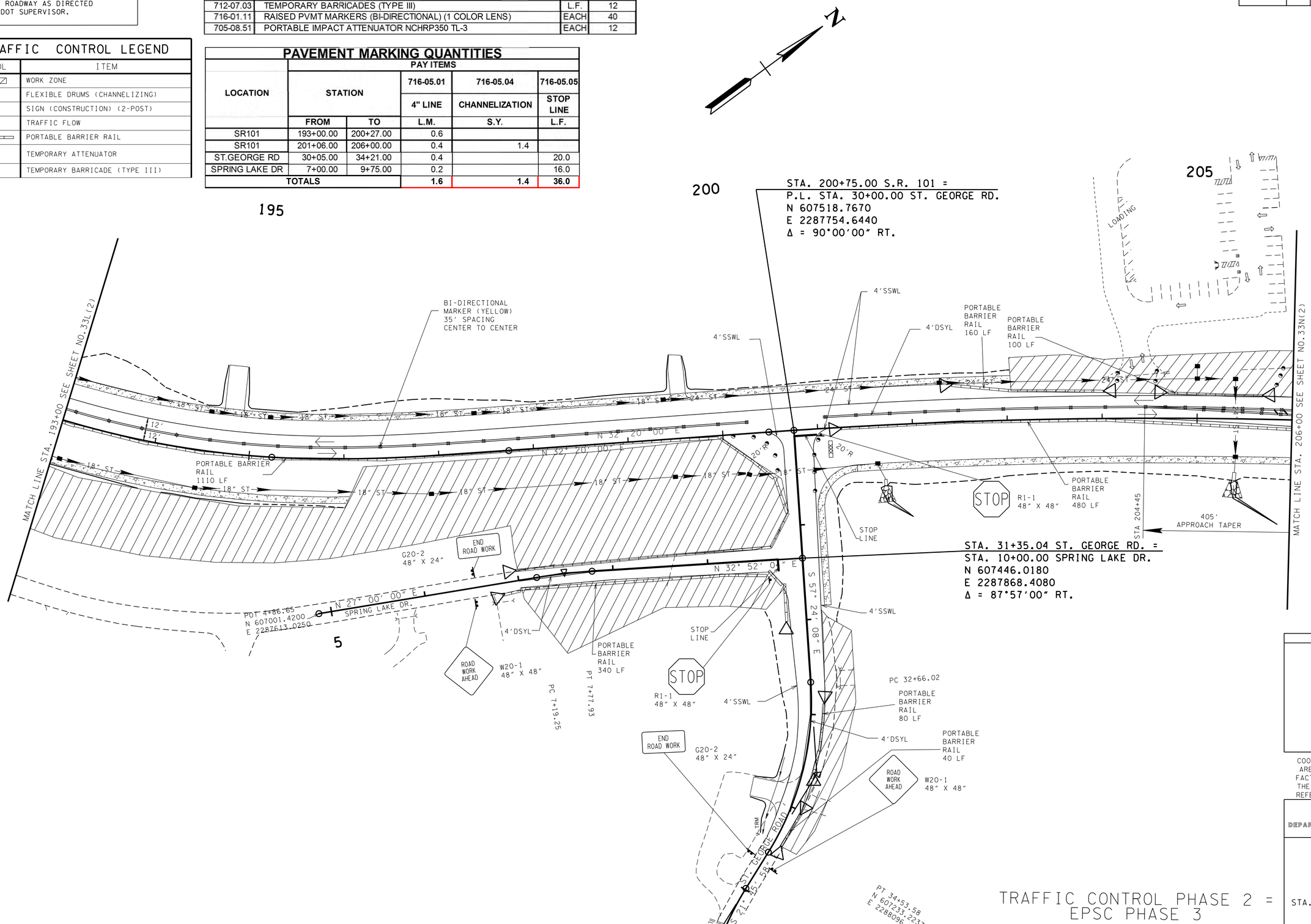
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	2250
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	15
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	12
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	40
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	12

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III)

PAVEMENT MARKING QUANTITIES

LOCATION	STATION FROM	STATION TO	716-05.01 4" LINE L.M.	716-05.04 CHANNELIZATION S.Y.	716-05.05 STOP LINE L.F.
SR101	193+00.00	200+27.00	0.6		
SR101	201+06.00	206+00.00	0.4	1.4	
ST.GEORGE RD	30+05.00	34+21.00	0.4		20.0
SPRING LAKE DR	7+00.00	9+75.00	0.2		16.0
TOTALS			1.6	1.4	36.0



TRAFFIC CONTROL PHASE 2 = EPSC PHASE 3

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.193+00 TO STA.206+00

SCALE: 1"=50'

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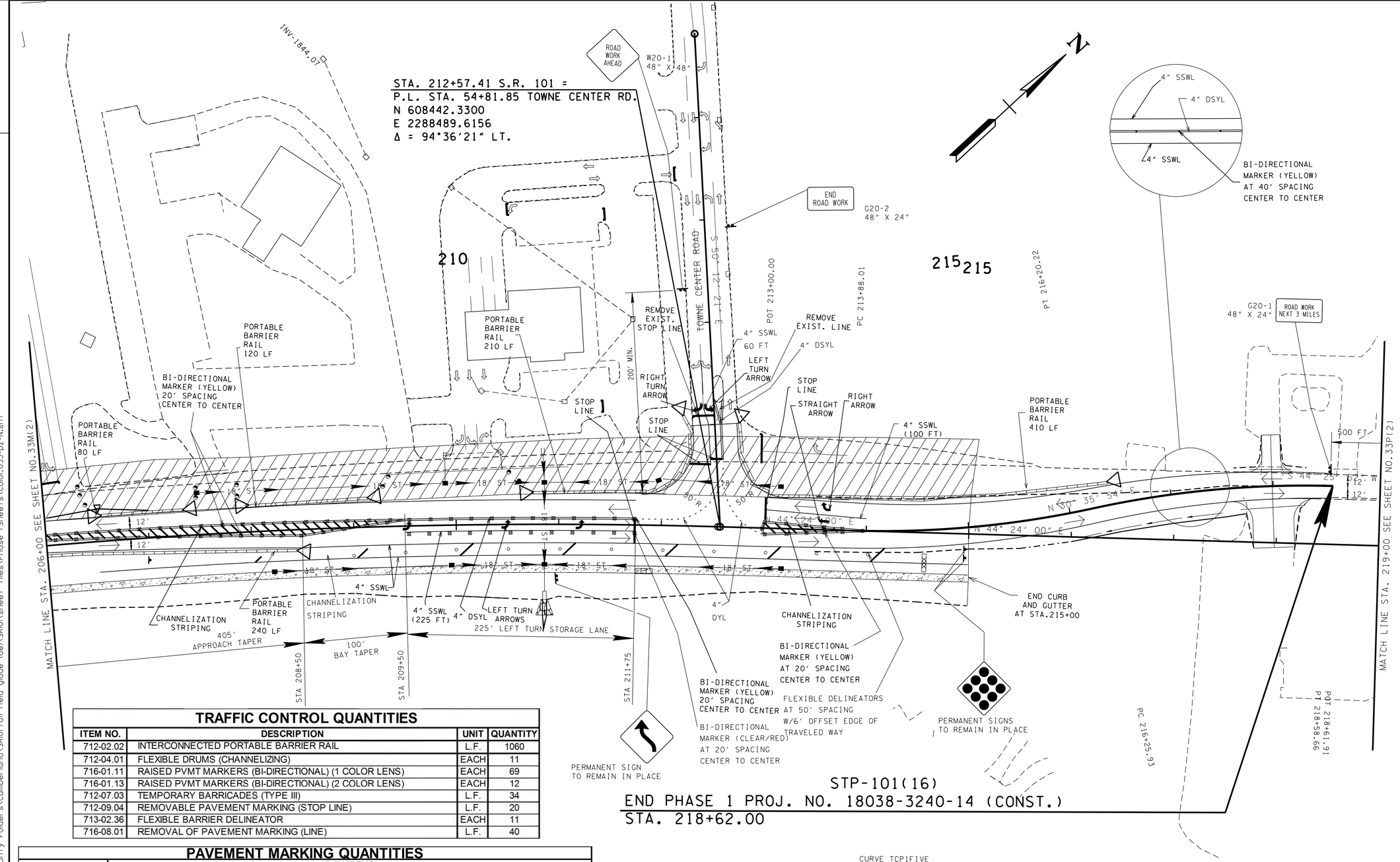
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33N(2)



TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	1060
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	11
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	69
716-01.13	RAISED PVMT MARKERS (BI-DIRECTIONAL) (2 COLOR LENS)	EACH	12
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	34
712-09.04	REMOVABLE PAVEMENT MARKING (STOP LINE)	L.F.	20
713-02.36	FLEXIBLE BARRIER DELINEATOR	EACH	11
716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	40

PAVEMENT MARKING QUANTITIES

LOCATION	STATION FROM	STATION TO	716-05.01 4" LINE L.M.	716-05.04 CHANNELIZATION S.Y.	716-05.05 STOP LINE L.F.	716-05.06 TURN ARROW EACH	716-05.11 STRAIGHT ARROW EACH	716-05.21 4" YELLOW DOTTED LINE L.F.
SR101	206+00.00	209+50.00	0.6	47.6				
SR101	209+50.00	211+75.00	0.3	5.9	24.0	3.0		
SR101	211+75.00	215+00.00	0.2	6.5				200.0
SR101- 2 LN RD	213+00.00	214+00.00	0.2	8.0	24.0	1.0	1.0	
SR101- 2 LN RD	214+00.00	215+00.00	0.1					
SR101- 2 LN RD	215+00.00	218+61.90	0.3					
TOWNE CENTER	53+56.85	53+81.85	0.1		32.0	2.0		
TOWNE CENTER	53+81.85	54+16.85	0.1					
TOTALS			1.9	68.0	80.0	6.0	1.0	200.0

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	FLEXIBLE DELINEATOR (GROUND MOUNTED)
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT

CURVE TCP1FIVE
PI 215+04.68
N 608,618.9963
E 2,288,662.6201
Δ 13° 48' 06" (LT)
D 5° 56' 37"
R 964.00
L 232.21
T 116.67
NORMAL CROWN
DESIGN SPEED 45 MPH

CURVE TCP1SIX
PI 217+42.86
N 608,824.9895
E 2,288,784.4360
Δ 13° 49' 58" (RT)
D 5° 56' 37"
R 964.00
L 232.74
T 116.94
NORMAL CROWN
DESIGN SPEED 45 MPH

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PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES, PLACE PROP TEMP SIGNAL FOR INTERSECTION, AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY AND TURN LANE.
2. BUILD NORTH SIDE OF PROP ROADWAY AS DIRECTED BY TDOT SUPERVISOR.

TRAFFIC CONTROL PHASE 2 = EPSC PHASE 3

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.206+00 TO STA.219+00

SCALE: 1"=50'

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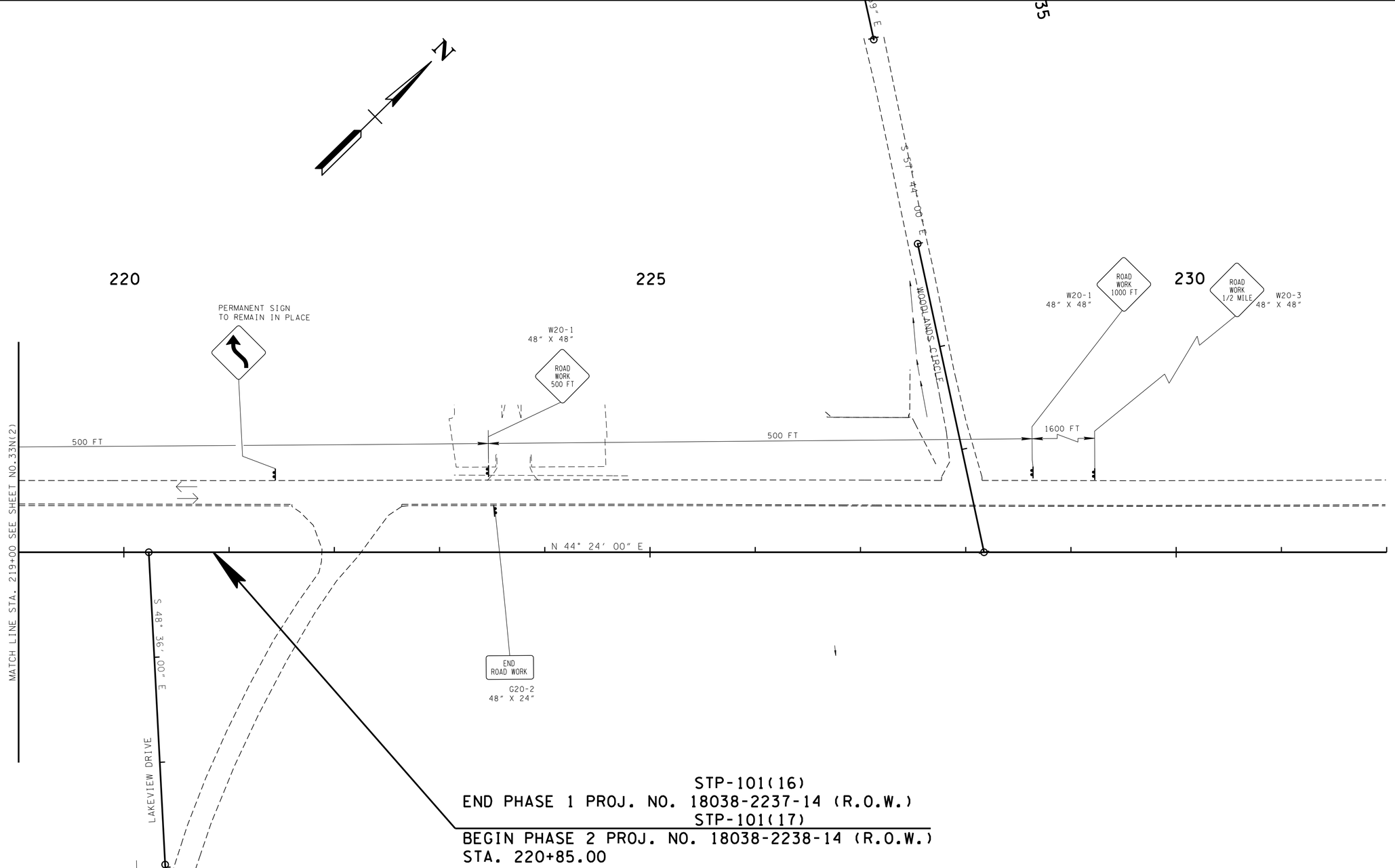
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33P(2)



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW

PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON EXISTING ROADWAY.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.219+00 TO STA.232+00

SCALE: 1"=50'

TRAFFIC CONTROL PHASE 2

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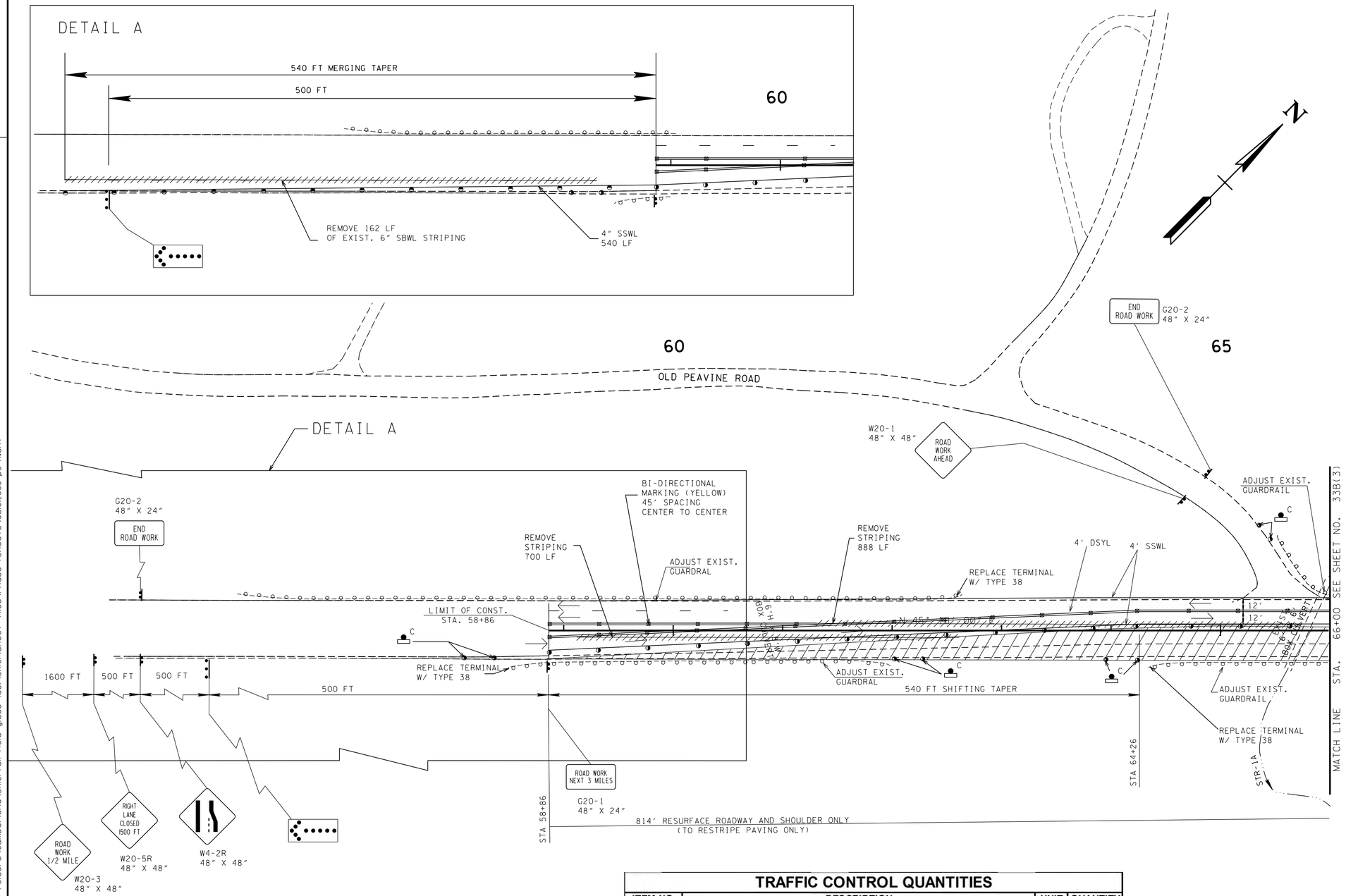
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33A(3)

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



PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES, RESTRIPE PVMT MARKINGS, AND DETOUR TRAFFIC TO PROP 2 LN ROADWAY.
2. RESURFACE 814' AS DIRECTED BY T.D.O.T SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	SIGN (CONSTRUCTION) (2-POST)
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	REMOVE PAVEMENT STRIPING
C	WARNING LIGHT (TYPE C) (STEADY)
	WORK ZONE
	ARROW BOARD TYPE C
	ARROW BOARD TYPE C (SINGLE ARROW)

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	36
712-05.03	WARNING LIGHTS (TYPE C)	EACH	8
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	22
716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	1750

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS		
	STATION		716-05.01 4" LINE
	FROM	TO	L.M.
SR101	53+46.00	58+86.00	0.2
SR101	58+86.00	61+31.00	0.3
SR101	61+31.00	66+00.00	0.4
TOTALS			0.9

TRAFFIC CONTROL PHASE 3 =
EPSC PHASE 4

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.56+00 TO STA.66+00

SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33B(3)

SPECIAL NOTES

RIP-RAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIP-RAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIP-RAP SHALL BE FILL WITH CREEK GRAVEL TO PREVENT LOSS OF STREAM WITHIN THE RIP-RAP AREAS. CREEK GRAVEL CAN BE REMOVED FROM THE CULVERT EXCAVATION AREA.

FOR TREE PLANTINGS SEE SHEET 32Y AND 32Z FOR WETLAND AND STREAM MITIGATION INFORMATION.

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

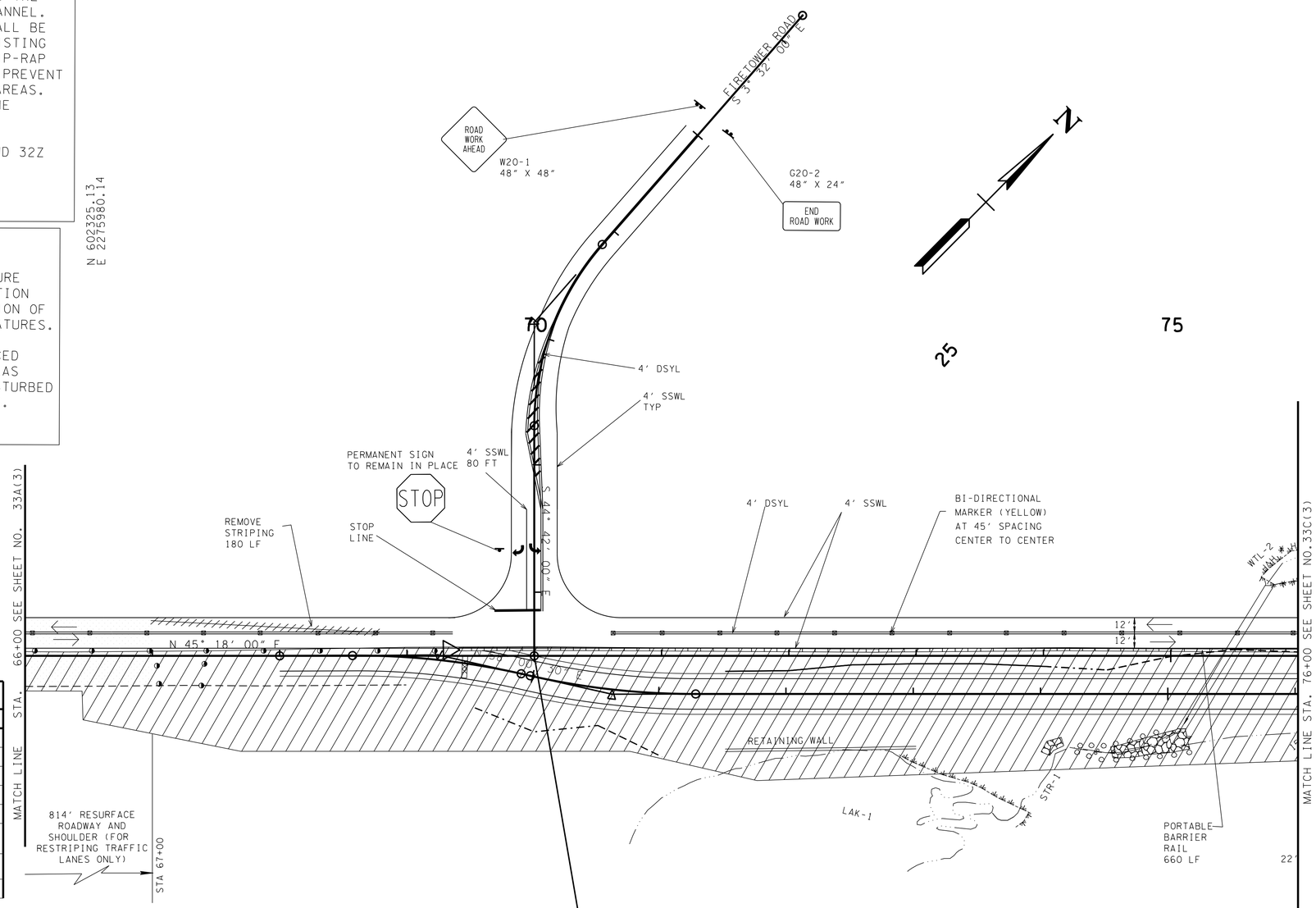
HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.

PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES, REMOVE STRIPING FROM PHASE 2, AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY.
2. REMOVE 2 LN TEMP ROADWAY FROM STA. 68+00 TO STA. 76+00. (ALL COSTS ASSOCIATED WITH REMOVAL OF 2 LN TEMP ROAD WILL BE PAID FOR UNDER OTHER ITEMS.)
3. FINISH PROP ROADWAY IN WORK ZONE AREA ON SOUTH SIDE AS DIRECTED BY T.D.O.T SUPERVISOR.
4. FINISH ROAD.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	WORK ZONE
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	REMOVE PAVEMENT STRIPING
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT



STA. 70+00.00 S.R. 101 =
STA. 29+50.00 FIRETOWER RD.
N 602565.2800
E 2276222.3070
Δ = 90°00'00" RT.

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	1
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	660
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	12
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	12
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	20
716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	180

PAVEMENT MARKING QUANTITIES

LOCATION	STATION		716-05.01	716-05.04	716-05.05	716-05.06
			4" LINE	CHANNELIZATION	STOP LINE	TURN ARROW
	FROM	TO	L.M.	S.Y.	L.F.	EACH
SR101	66+00.00	69+36.00	0.3			
SR101	69+36.00	70+60.00	0.1			
SR101	70+60.00	76+00.00	0.5			
FIRETOWER	25+00.00	29+15.00	0.4	11.0	40.0	2.0
TOTALS			1.0	11.0	40.0	2.0

TRAFFIC CONTROL PHASE 3 =
EPSC PHASE 4

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UNOFFICIAL SET
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.66+00 TO STA.76+00

SCALE: 1"=50'

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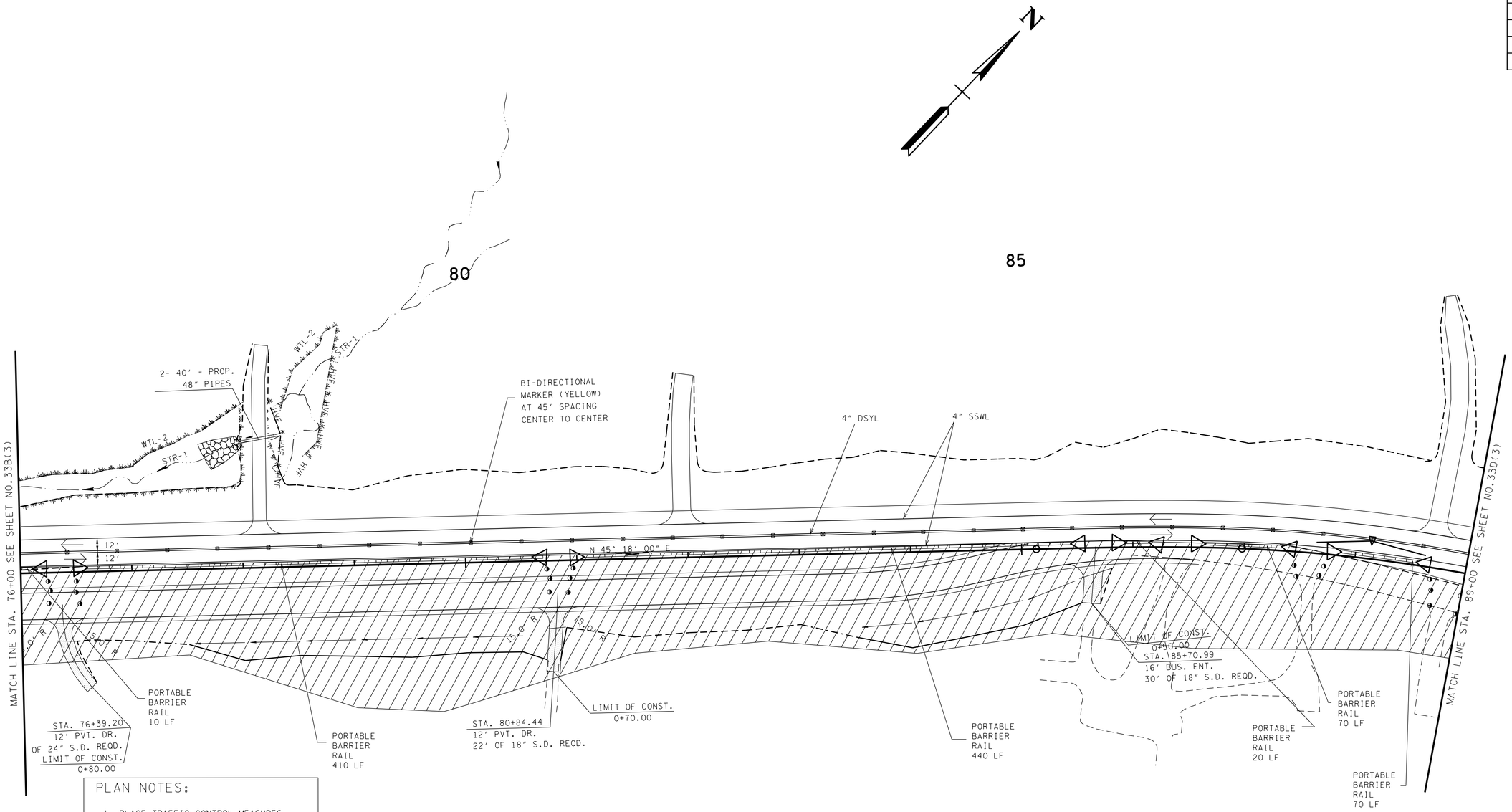
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33C(3)



PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY.
2. REMOVE 2 LN TEMP ROADWAY FROM STA. 76+00 TO STA. 86+60. (ALL COSTS ASSOCIATED WITH REMOVAL OF 2 LN TEMP ROAD WILL BE PAID FOR UNDER OTHER ITEMS.)
3. FINISH PROP ROADWAY IN WORK ZONE AREA ON SOUTH SIDE AS DIRECTED BY T.D.O.T SUPERVISOR.
4. FINISH ROAD.

SPECIAL NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE NON-IMPACTED WATER QUALITY FEATURES.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THE WATER QUALITY FEATURE AREAS (WITHIN ROW) THAT ARE NOT TO BE DISTURBED BEFORE CONSTRUCTION ACTIVITY BEGINS.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
◁	TEMPORARY ATTENUATOR

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	1020
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	21
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	29
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	9

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS		
	STATION		716-05.01 4" LINE
	FROM	TO	L.M.
SR101	76+00.00	89+00.00	1.0
TOTALS			1.0

TRAFFIC CONTROL PHASE 3 =
EPSC PHASE 4

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.76+00 TO STA.89+00

SCALE: 1"=50'

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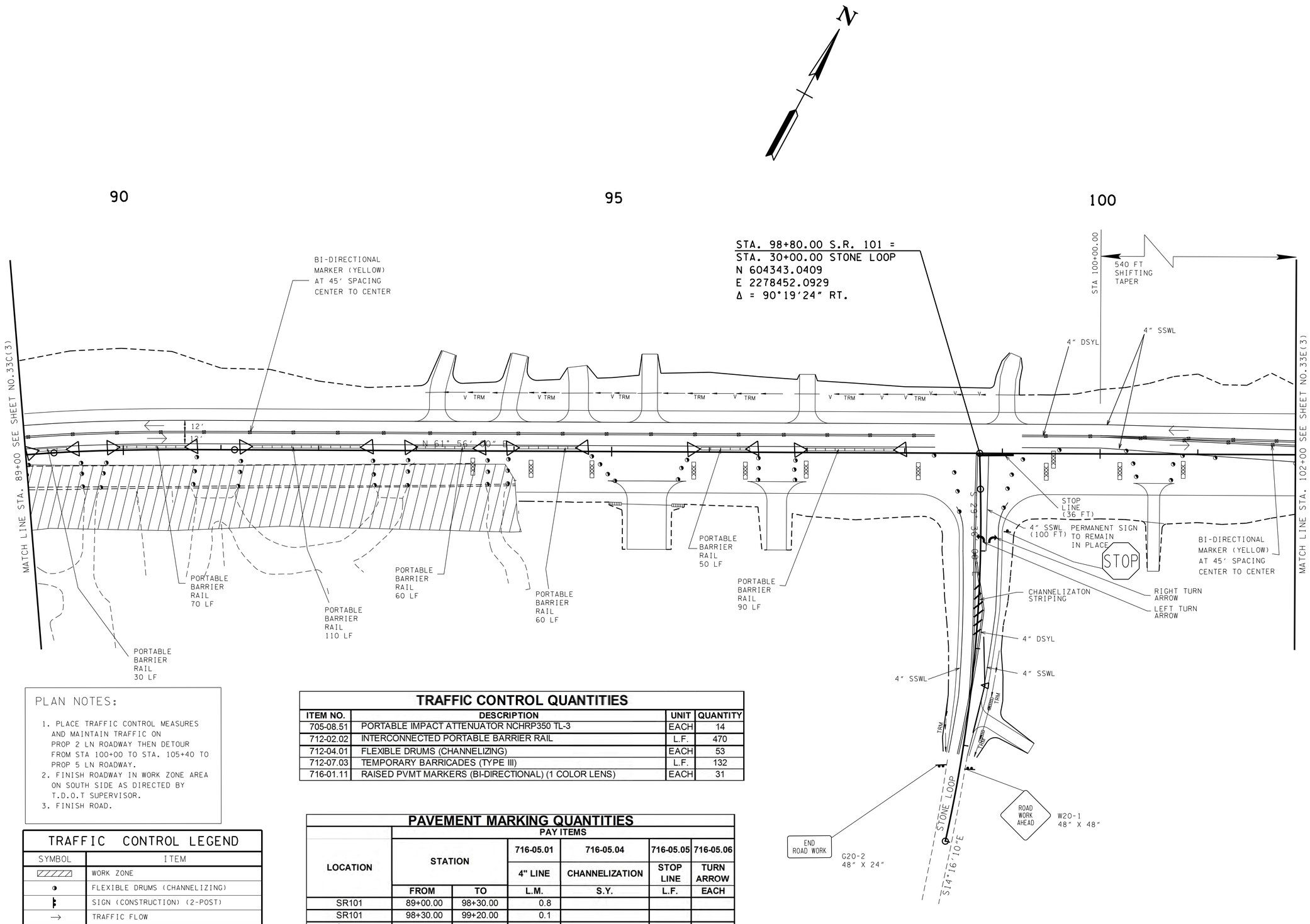
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33D(3)

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



PLAN NOTES:

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON PROP 2 LN ROADWAY THEN DETOUR FROM STA 100+00 TO STA. 105+40 TO PROP 5 LN ROADWAY.
2. FINISH ROADWAY IN WORK ZONE AREA ON SOUTH SIDE AS DIRECTED BY T.D.O.T SUPERVISOR.
3. FINISH ROAD.

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	14
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	470
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	53
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	132
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	31

PAVEMENT MARKING QUANTITIES

LOCATION	STATION		PAY ITEMS			
			716-05.01	716-05.04	716-05.05	716-05.06
			4" LINE	CHANNELIZATION	STOP LINE	TURN ARROW
	FROM	TO	L.M.	S.Y.	L.F.	EACH
SR101	89+00.00	98+30.00	0.8			
SR101	98+30.00	99+20.00	0.1			
SR101	99+20.00	100+00.00	0.1			
SR101	100+00.00	102+00.00	0.3			
STONE LOOP	30+00.00	33+10.00	0.3	7.0	36.0	2.0
TOTALS			**1.6**	**7.0**	**36.0**	**2.0**

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TEMPORARY BARRICADE (TYPE III) 12 FT

TRAFFIC CONTROL PHASE 3 = EPSC PHASE 4

SEALED BY

UNOFFICIAL SET
NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.89+00 TO STA.102+00

SCALE: 1"=50'

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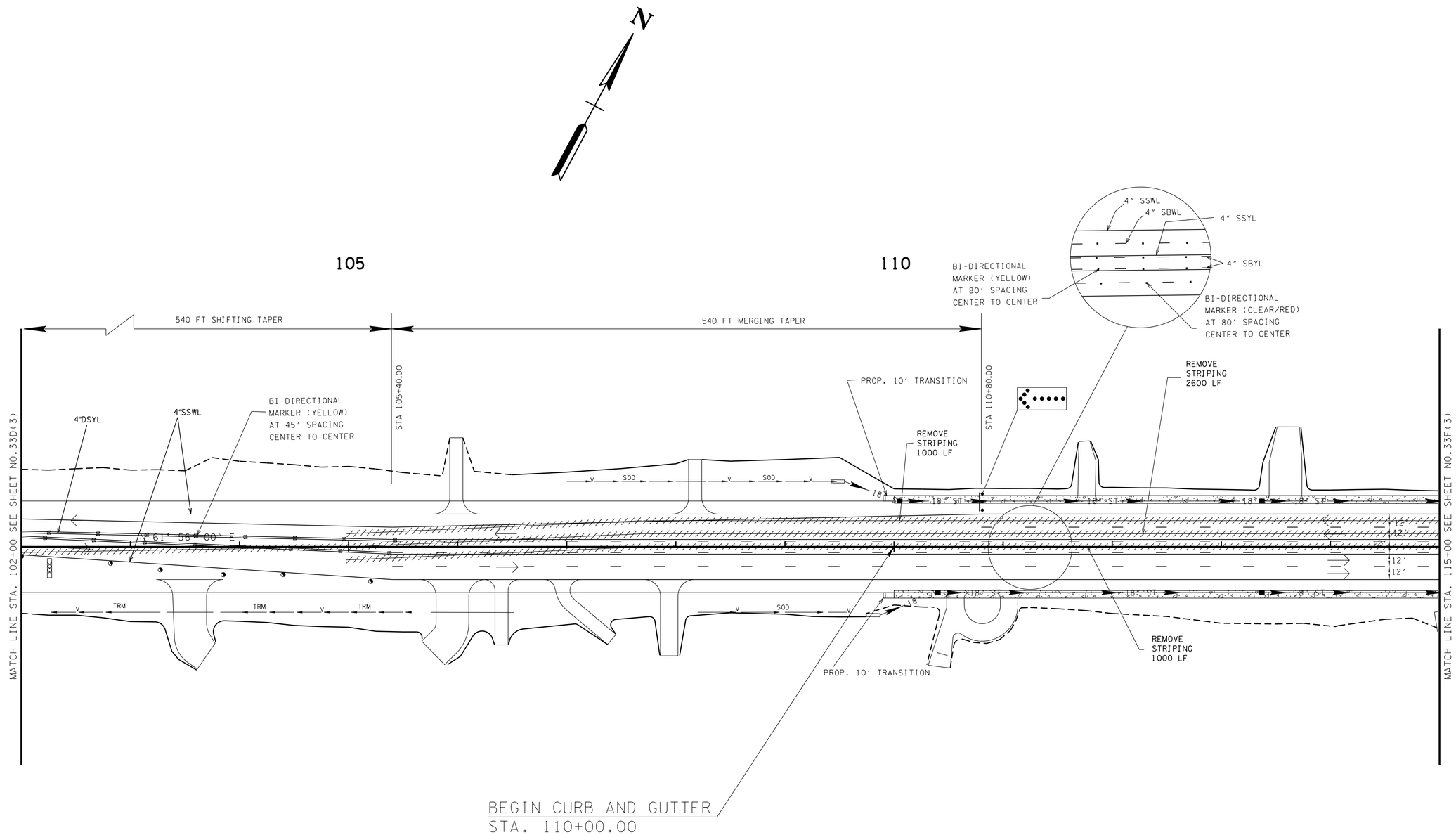
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33E(3)



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION) (2-POST)
	REMOVE PAVEMENT STRIPING
	ARROW BOARD TYPE C
	ARROW BOARD TYPE C (SINGLE ARROW)
	TEMPORARY BARRICADE (TYPE III) 12 FT

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	6
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	12
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	40
716-01.13	RAISED PVMT MARKERS (BI-DIRECTIONAL) (2 COLOR LENS)	EACH	4
716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	4600

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS		
	STATION		716-05.01 4" LINE
	FROM	TO	L.M.
SR101	102+00.00	105+40.00	0.4
SR101	105+40.00	110+80.00	0.6
SR101	110+80.00	115+00.00	0.5
TOTALS			1.5

PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES. REMOVE STRIPING FROM PHASE 2, AND DETOUR TRAFFIC ON PROP 2 LN ROADWAY TO PROP 5 LN ROADWAY.
2. FINISH ROAD.

TRAFFIC CONTROL PHASE 3 = EPSC PHASE 4

SEALED BY

UNOFFICIAL SET
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.102+00 TO STA.115+00

SCALE: 1"=50'

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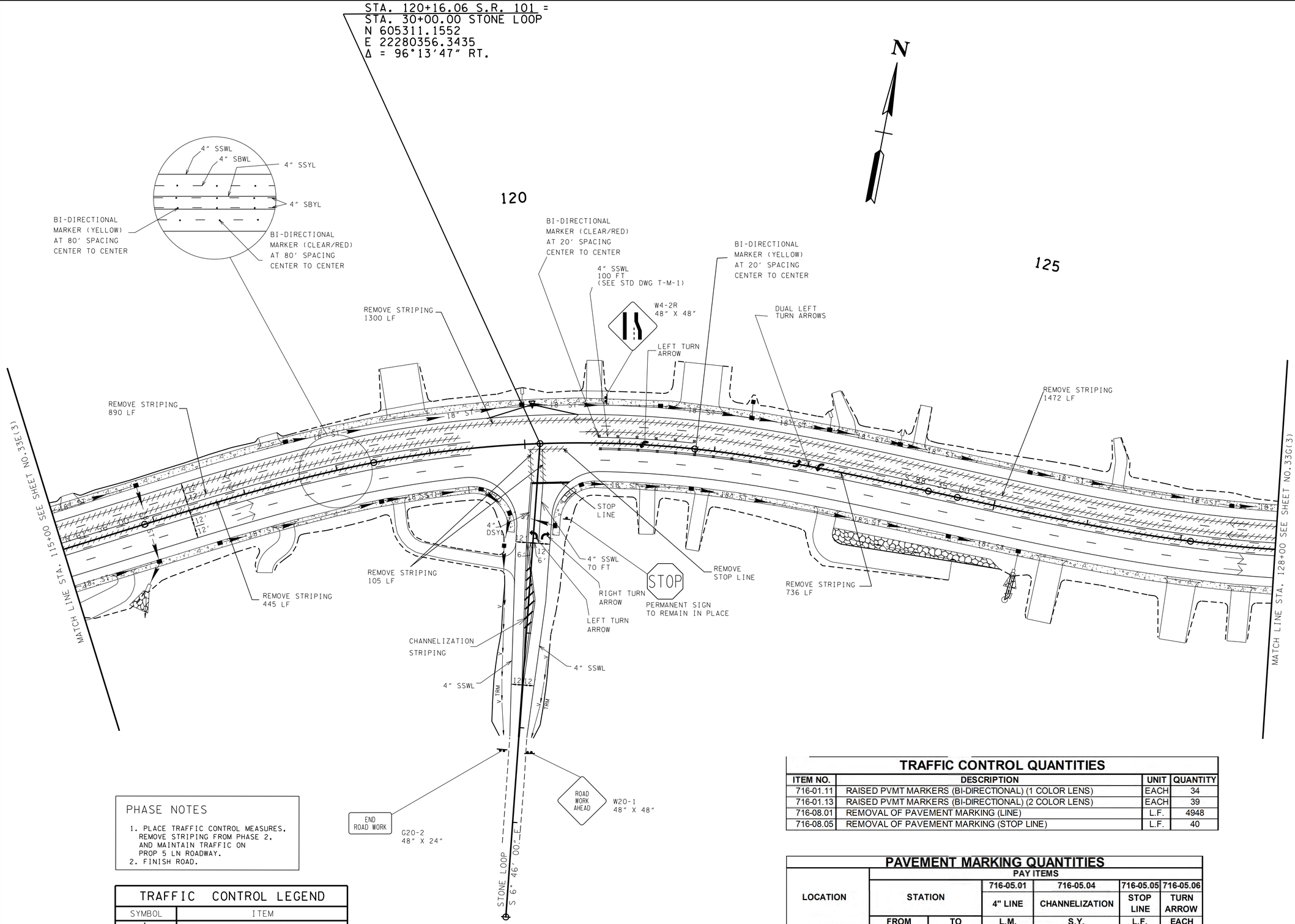
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33F(3)



PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES, REMOVE STRIPING FROM PHASE 2, AND MAINTAIN TRAFFIC ON PROP 5 LN ROADWAY.
2. FINISH ROAD.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	SIGN (CONSTRUCTION) (2-POST)
	REMOVE PAVEMENT STRIPING
→	TRAFFIC FLOW

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	34
716-01.13	RAISED PVMT MARKERS (BI-DIRECTIONAL) (2 COLOR LENS)	EACH	39
716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	4948
716-08.05	REMOVAL OF PAVEMENT MARKING (STOP LINE)	L.F.	40

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS					
	STATION		716-05.01	716-05.04	716-05.05	716-05.06
			4" LINE	CHANNELIZATION	STOP LINE	TURN ARROW
	FROM	TO	L.M.	S.Y.	L.F.	EACH
SR101	115+00.00	119+43.00	0.5			
SR101	119+43.00	120+77.00	0.1			
SR101	120+77.00	128+00.00	0.8			3.0
STONE LOOP	30+41.00	33+10.00	0.3	8.0	40.0	2.0
TOTALS			1.7	8.0	40.0	5.0

TRAFFIC CONTROL PHASE 3 = EPSC PHASE 4

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.115+00 TO STA.128+00

SCALE: 1"=50'

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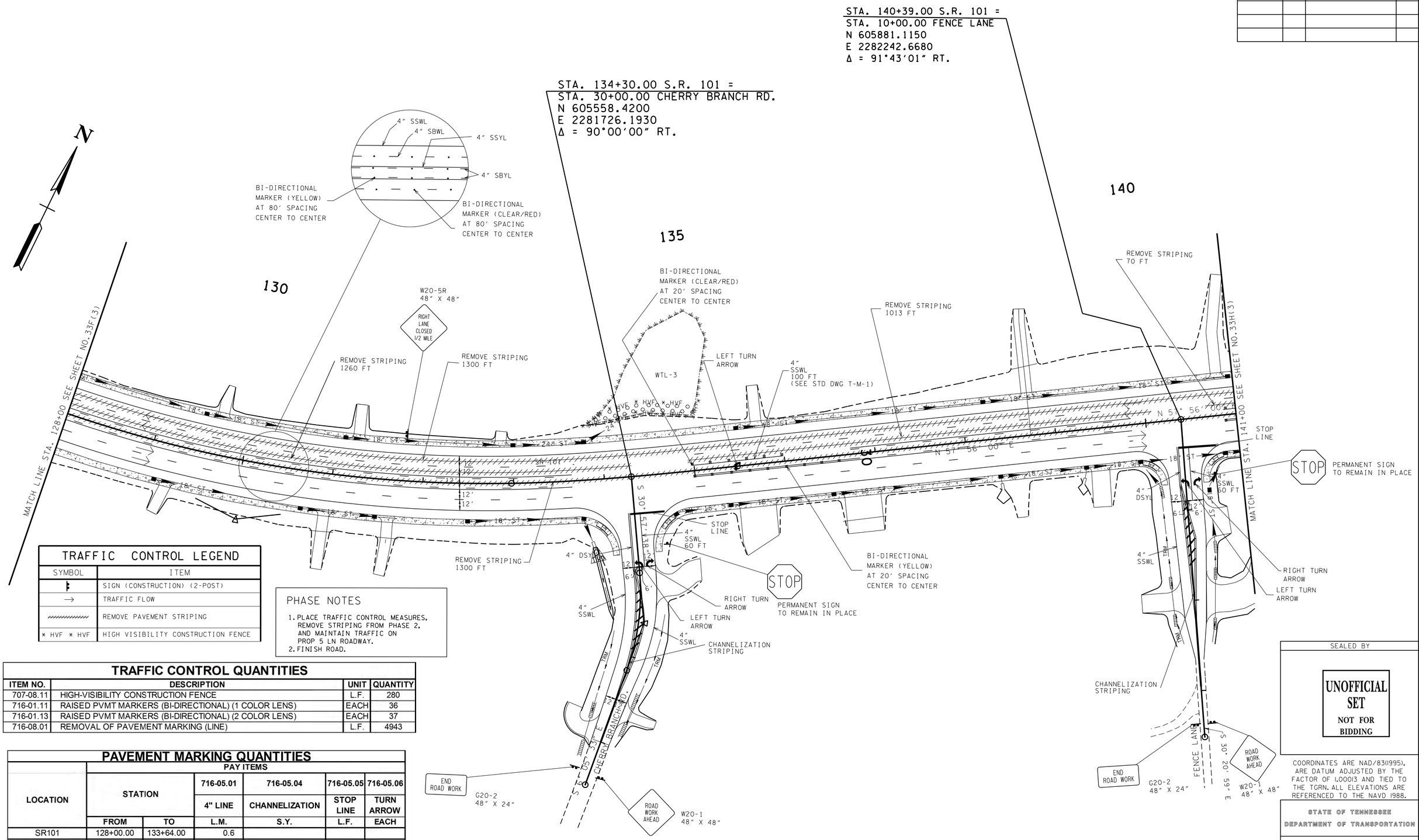
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33G(3)

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



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	REMOVE PAVEMENT STRIPING
× HVF × HVF	HIGH VISIBILITY CONSTRUCTION FENCE

PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES, REMOVE STRIPING FROM PHASE 2, AND MAINTAIN TRAFFIC ON PROP 5 LN ROADWAY.
2. FINISH ROAD.

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	280
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	36
716-01.13	RAISED PVMT MARKERS (BI-DIRECTIONAL) (2 COLOR LENS)	EACH	37
716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	4943

PAVEMENT MARKING QUANTITIES

LOCATION	STATION		PAY ITEMS			
			716-05.01	716-05.04	716-05.05	716-05.06
			4" LINE	CHANNELIZATION	STOP LINE	TURN ARROW
	FROM	TO	L.M.	S.Y.	L.F.	EACH
SR101	128+00.00	133+64.00	0.6			
SR101	133+64.00	134+98.00	0.1			
SR101	134+98.00	139+84.00	0.5			
SR101	139+84.00	140+86.00	0.1			1.0
SR101	140+86.00	141+00.00	0.1			
CHERRY BRANCH	30+40.00	33+00.00	0.3	8.0	36.0	2.0
FENCE LANE	10+35.00	12+95.00	0.3	7.8	36.0	2.0
TOTALS			2.0	15.8	72.0	5.0

TRAFFIC CONTROL PHASE 3 =
EPSC PHASE 4

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.128+00 TO STA.141+00

SCALE: 1"=50'

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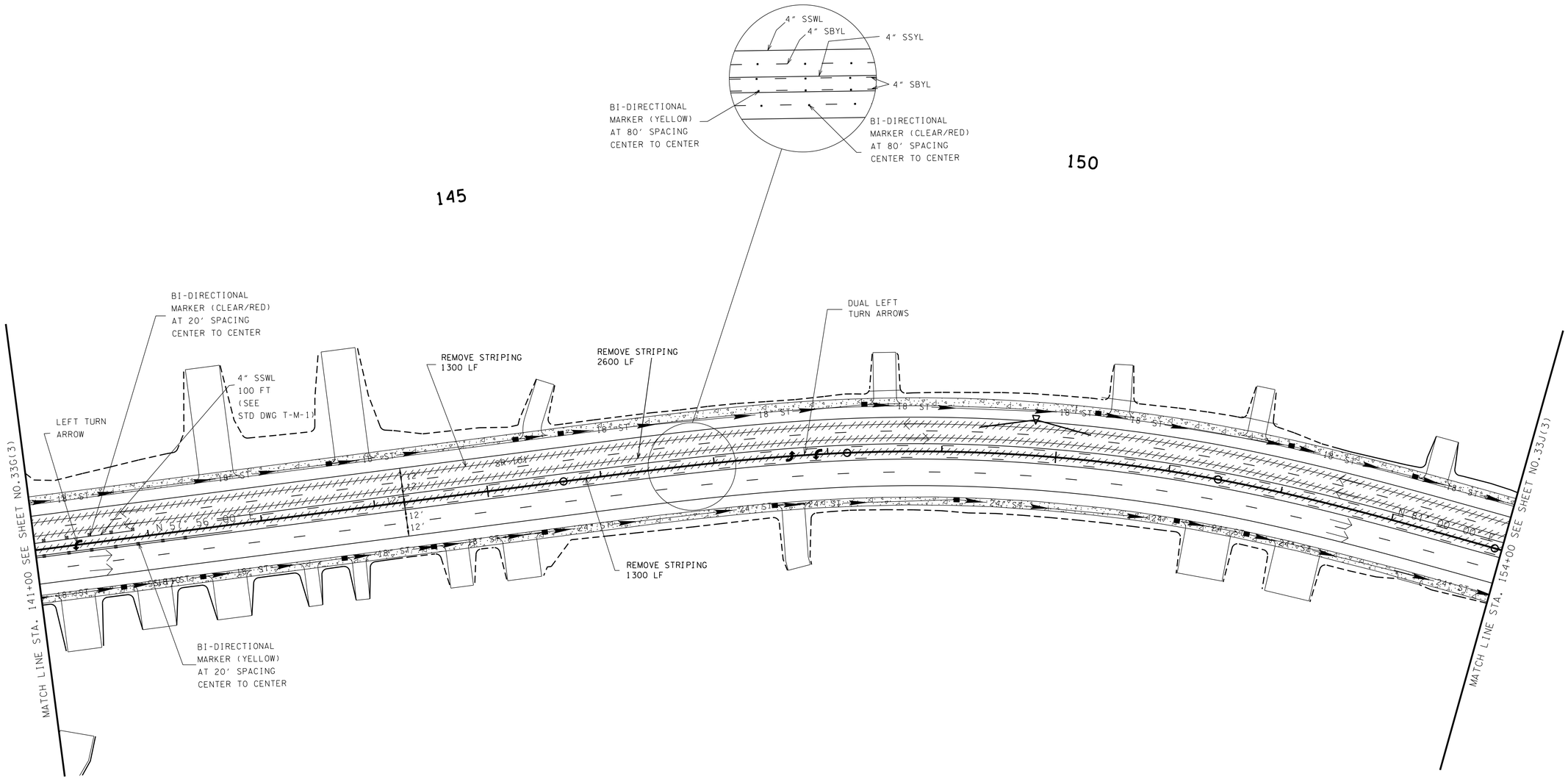
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33H(3)

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



PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES, REMOVE STRIPING FROM PHASE 2, AND MAINTAIN TRAFFIC ON PROP 5 LN ROADWAY.
2. FINISH ROAD.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
//////////////	REMOVE PAVEMENT STRIPING

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	41
716-01.13	RAISED PVMT MARKERS (BI-DIRECTIONAL) (2 COLOR LENS)	EACH	42
716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	5200

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS			
	STATION		716-05.01	716-05.06
			4" LINE	TURN ARROW
	FROM	TO	L.M.	EACH
SR101	141+00.00	154+00.00	1.3	3.0
TOTALS			1.3	3.0

N

TRAFFIC CONTROL PHASE 3 = EPSC PHASE 4

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.141+00 TO STA.154+00

SCALE: 1"=50'

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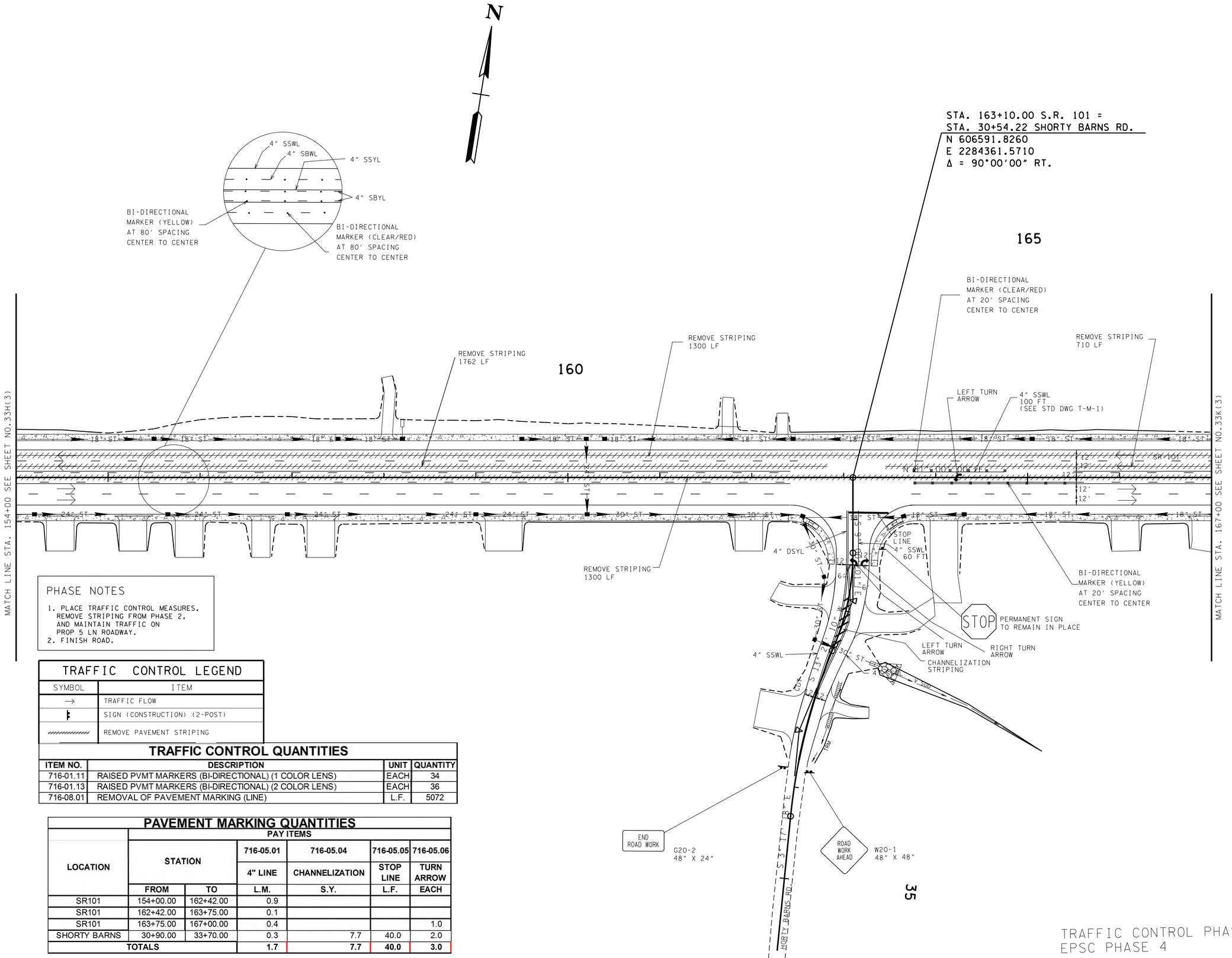
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33J(3)



PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES, REMOVE STRIPING FROM PHASE 2, AND MAINTAIN TRAFFIC ON PROP 5 LN ROADWAY.
2. FINISH ROAD.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION) (2-POST)
	REMOVE PAVEMENT STRIPING

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	34
716-01.13	RAISED PVMT MARKERS (BI-DIRECTIONAL) (2 COLOR LENS)	EACH	36
716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	5072

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS					
	STATION		716-05.01	716-05.04	716-05.05	716-05.06
			4" LINE	CHANNELIZATION	STOP LINE	TURN ARROW
	FROM	TO	L.M.	S.Y.	L.F.	EACH
SR101	154+00.00	162+42.00	0.9			
SR101	162+42.00	163+75.00	0.1			
SR101	163+75.00	167+00.00	0.4			1.0
SHORTY BARNS	30+90.00	33+70.00	0.3	7.7	40.0	2.0
TOTALS			1.7	7.7	40.0	3.0

TRAFFIC CONTROL PHASE 3 =
EPSC PHASE 4

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.154+00 TO STA.167+00

SCALE: 1"=50'

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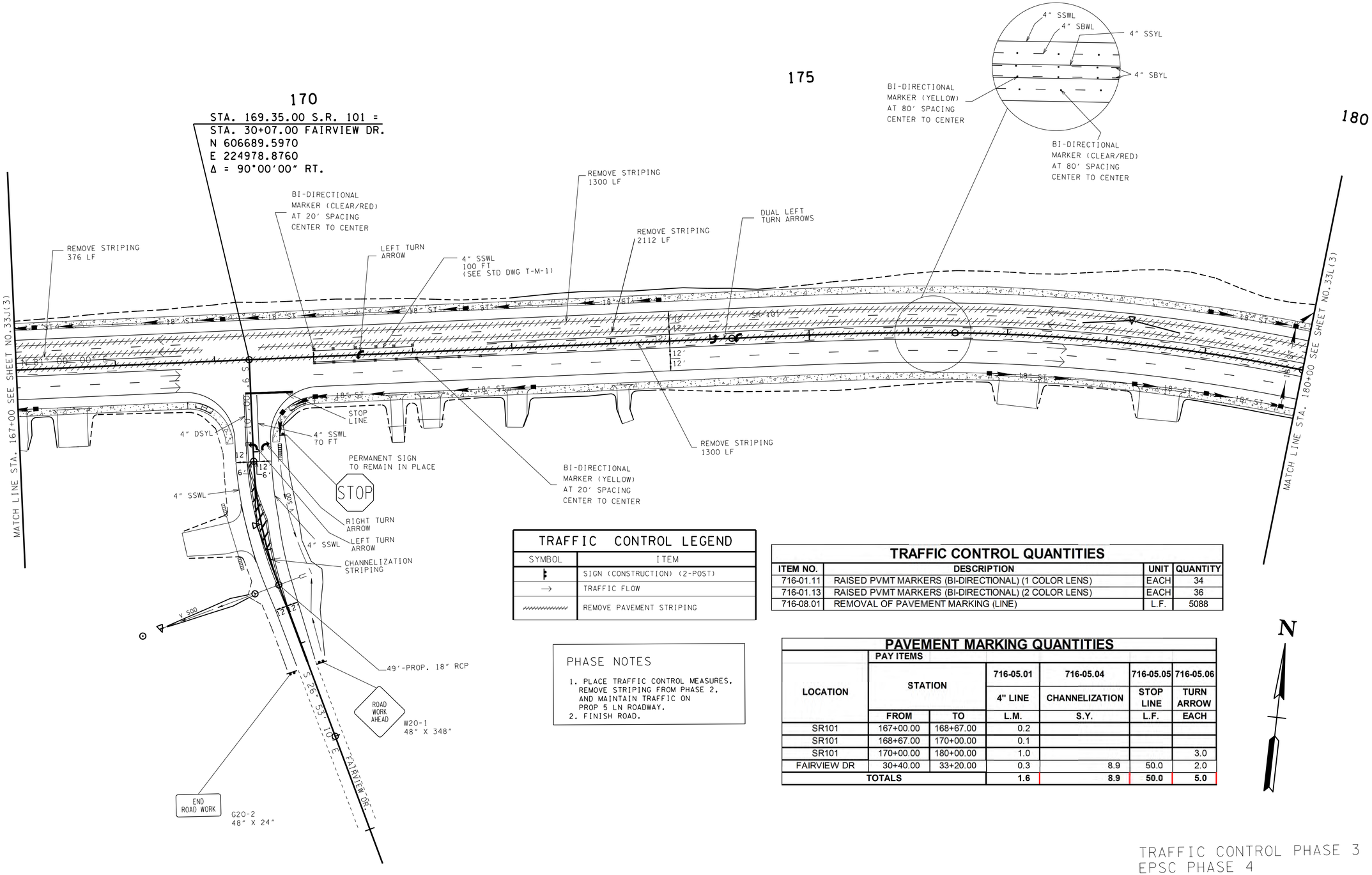
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33K(3)

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



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	REMOVE PAVEMENT STRIPING

PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES, REMOVE STRIPING FROM PHASE 2, AND MAINTAIN TRAFFIC ON PROP 5 LN ROADWAY.
2. FINISH ROAD.

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	34
716-01.13	RAISED PVMT MARKERS (BI-DIRECTIONAL) (2 COLOR LENS)	EACH	36
716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	5088

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS		716-05.01	716-05.04	716-05.05	716-05.06
	STATION		4" LINE	CHANNELIZATION	STOP LINE	TURN ARROW
	FROM	TO	L.M.	S.Y.	L.F.	EACH
SR101	167+00.00	168+67.00	0.2			
SR101	168+67.00	170+00.00	0.1			
SR101	170+00.00	180+00.00	1.0			3.0
FAIRVIEW DR	30+40.00	33+20.00	0.3	8.9	50.0	2.0
TOTALS			1.6	8.9	50.0	5.0

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NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.167+00 TO STA.180+00

SCALE: 1"=50'

TRAFFIC CONTROL PHASE 3 = EPSC PHASE 4

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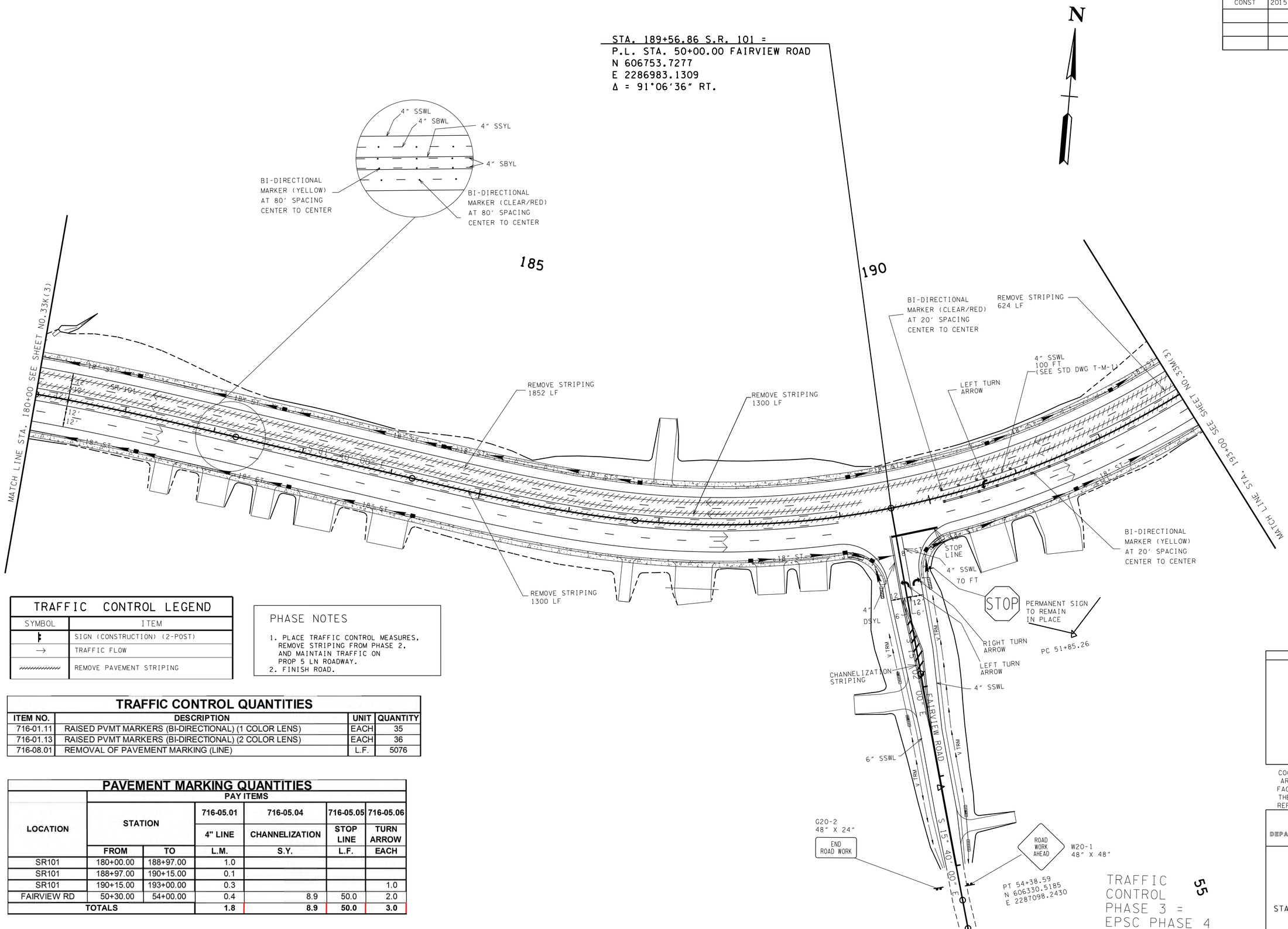
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33L(3)



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	REMOVE PAVEMENT STRIPING

PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES. REMOVE STRIPING FROM PHASE 2. AND MAINTAIN TRAFFIC ON PROP 5 LN ROADWAY.
2. FINISH ROAD.

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	35
716-01.13	RAISED PVMT MARKERS (BI-DIRECTIONAL) (2 COLOR LENS)	EACH	36
716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	5076

PAVEMENT MARKING QUANTITIES

LOCATION	STATION		PAY ITEMS 716-05.01 4" LINE	716-05.04 CHANNELIZATION	716-05.05 STOP LINE	716-05.06 TURN ARROW
	FROM	TO	L.M.	S.Y.	L.F.	EACH
SR101	180+00.00	188+97.00	1.0			
SR101	188+97.00	190+15.00	0.1			
SR101	190+15.00	193+00.00	0.3			1.0
FAIRVIEW RD	50+30.00	54+00.00	0.4	8.9	50.0	2.0
TOTALS			1.8	8.9	50.0	3.0

TRAFFIC CONTROL PHASE 3 = EPSC PHASE 4

55

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.180+00 TO STA.193+00

SCALE: 1"=50'

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

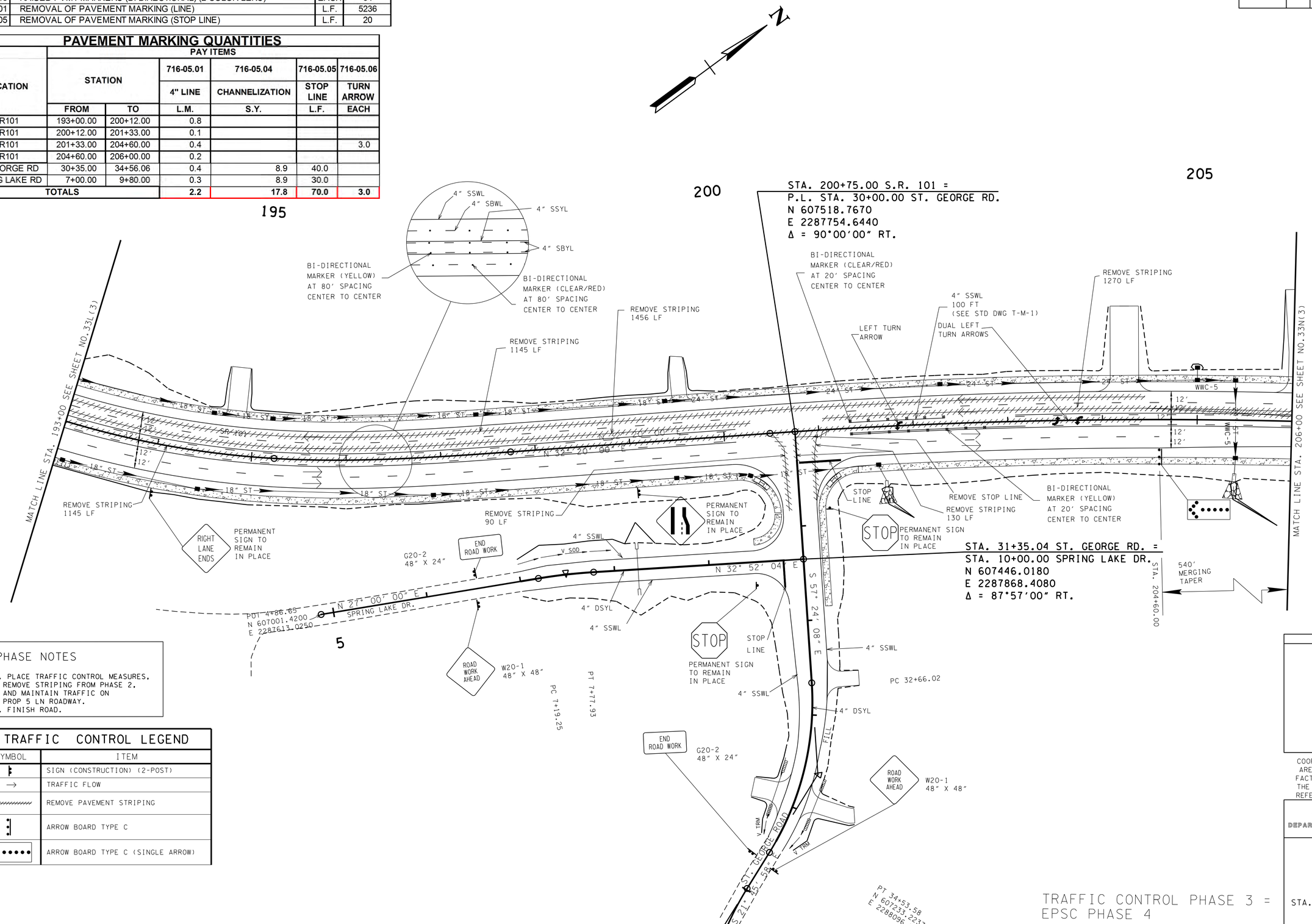
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33M(3)

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-08.03	ARROW BOARD (TYPE C)	EACH	1
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	35
716-01.13	RAISED PVMT MARKERS (BI-DIRECTIONAL) (2 COLOR LENS)	EACH	34
716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	5236
716-08.05	REMOVAL OF PAVEMENT MARKING (STOP LINE)	L.F.	20

PAVEMENT MARKING QUANTITIES

LOCATION	STATION FROM	STATION TO	716-05.01 4" LINE L.M.	716-05.04 CHANNELIZATION S.Y.	716-05.05 STOP LINE L.F.	716-05.06 TURN ARROW EACH
SR101	193+00.00	200+12.00	0.8			
SR101	200+12.00	201+33.00	0.1			
SR101	201+33.00	204+60.00	0.4			3.0
SR101	204+60.00	206+00.00	0.2			
ST.GEORGE RD	30+35.00	34+56.06	0.4	8.9	40.0	
SPRING LAKE RD	7+00.00	9+80.00	0.3	8.9	30.0	
TOTALS			2.2	17.8	70.0	3.0



PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES, REMOVE STRIPING FROM PHASE 2, AND MAINTAIN TRAFFIC ON PROP 5 LN ROADWAY.
2. FINISH ROAD.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	REMOVE PAVEMENT STRIPING
	ARROW BOARD TYPE C
	ARROW BOARD TYPE C (SINGLE ARROW)

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UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.193+00 TO STA.206+00

SCALE: 1"=50'

TRAFFIC CONTROL PHASE 3 = EPSC PHASE 4

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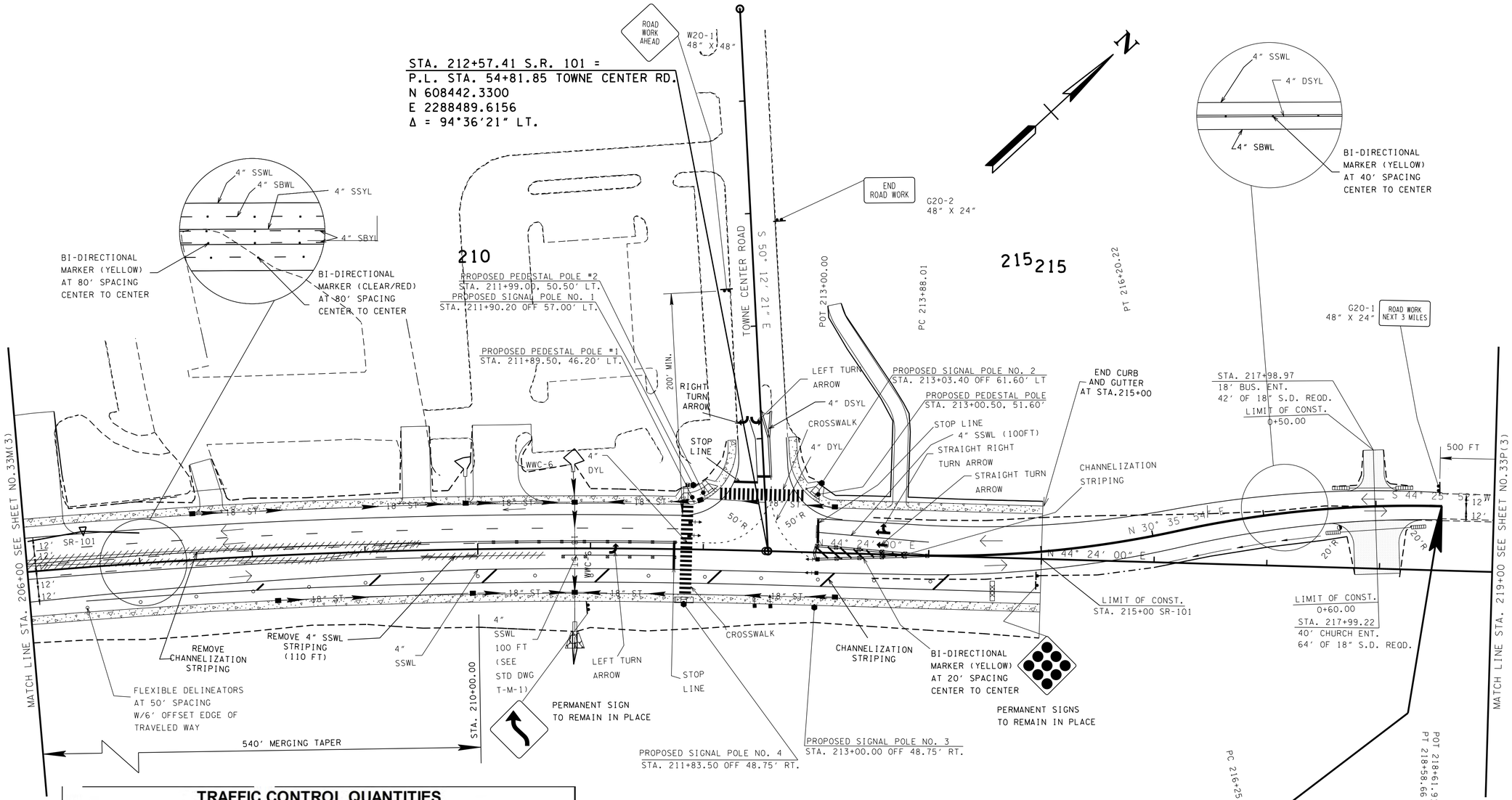
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33N(3)

REV. 8-17-15- REVISED DRIVEWAY AT STA 210+16.66LT PER ROW REQ.



TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	43
716-01.13	RAISED PVMT MARKERS (BI-DIRECTIONAL) (2 COLOR LENS)	EACH	13
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	12
713-02.36	FLEXIBLE BARRIER DELINEATOR	EACH	16
716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	110
716-08.04	REMOVAL OF PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y.	107

PAVEMENT MARKING QUANTITIES

LOCATION	STATION FROM	STATION TO	716-05.01 4" LINE L.M.	716-05.04 CHANNELIZATION S.Y.	716-05.05 STOP LINE L.F.	716-05.06 TURN ARROW EACH	716-05.11 STRAIGHT ARROW EACH	716-05.21 4" YELLOW DOTTED LINE L.F.	716-05.22 CROSS-WALK L.F.
SR101	206+00.00	210+00.00	0.5	2.5					
SR101	210+00.00	211+75.00	0.2	3.9	24.0	3.0			
SR101	211+75.00	215+00.00	0.2	5.9				200.0	80.0
SR101- 2 LN RD	213+00.00	214+00.00	0.2	8.0	24.0	1.0	1.0		
SR101- 2 LN RD	214+00.00	215+00.00	0.1						
SR101- 2 LN RD	215+00.00	218+61.90	0.3						
TOWNE CENTER	53+56.85	53+81.85	0.1		32.0	2.0			80.0
TOWNE CENTER	53+81.85	54+16.85	0.1						
TOTALS			1.7	20.3	80.0	6.0	1.0	200.0	160.0

STP-101(16)
END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STA. 218+62.00

CURVE TCP1FIVE
PI 215+04.68
N 608,618.9963
E 2,288,662.6201
Δ 13° 48' 06" (LT)
D 5° 56' 37"
R 964.00
L 232.21
T 116.67
NORMAL CROWN
DESIGN SPEED 45 MPH

CURVE TCP1SIX
PI 217+42.86
N 608,824.9895
E 2,288,784.4360
Δ 13° 49' 58" (RT)
D 5° 56' 37"
R 964.00
L 232.74
T 116.94
NORMAL CROWN
DESIGN SPEED 45 MPH

PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES, REMOVE STRIPING FROM PHASE 2, AND MAINTAIN TRAFFIC ON PROP ROADWAY AND TURN LANE.
2. FINISH ROAD.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	REMOVE PAVEMENT STRIPING
	TEMPORARY BARRICADE (TYPE III) 12FT
○	FLEXIBLE DELINEATOR (GROUND MOUNTED)

TRAFFIC CONTROL PHASE 3 = EPSC PHASE 4

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.206+00 TO STA.219+00

SCALE: 1"=50'

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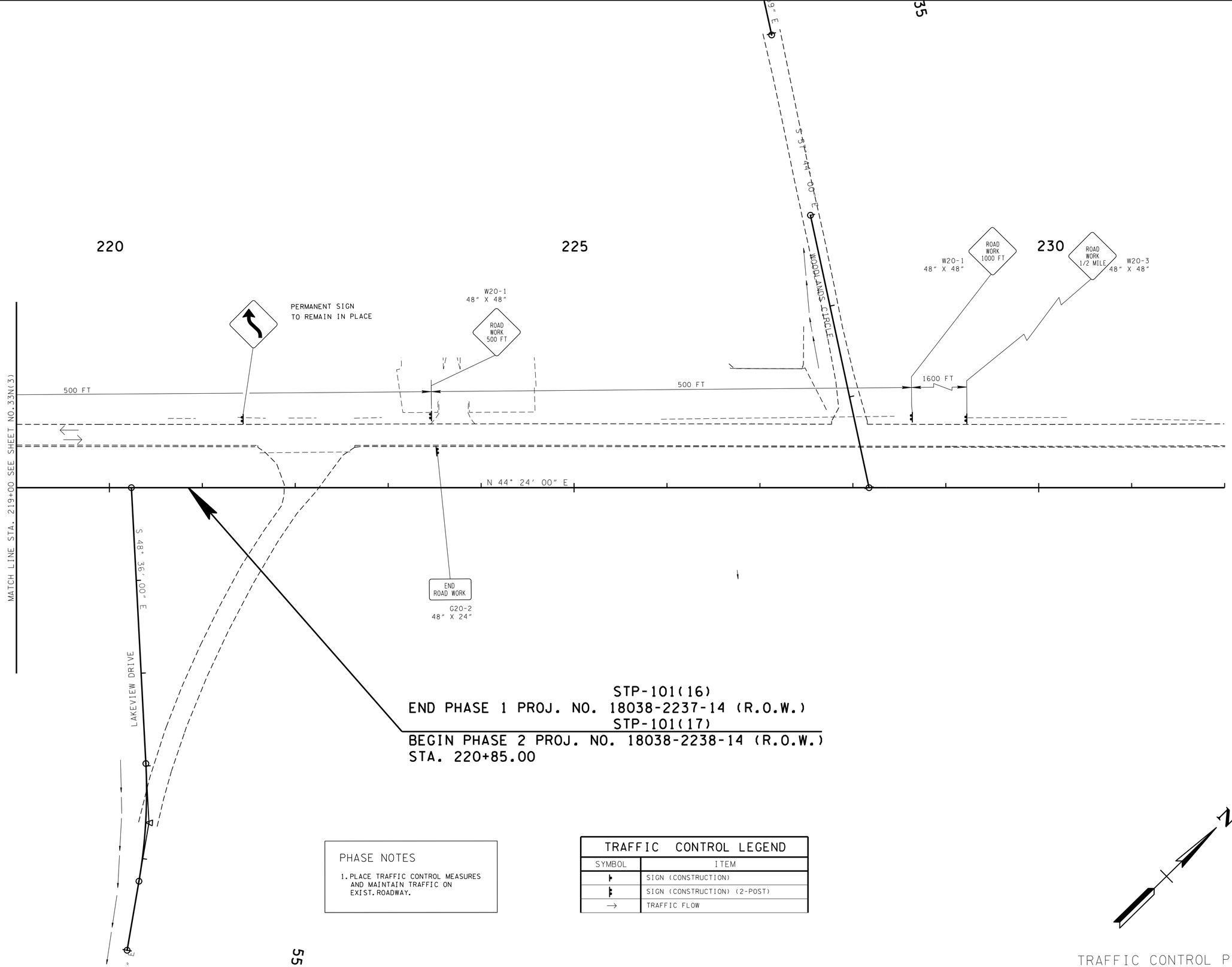
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	33P(3)



STP-101(16)
END PHASE 1 PROJ. NO. 18038-2237-14 (R.O.W.)
STP-101(17)
BEGIN PHASE 2 PROJ. NO. 18038-2238-14 (R.O.W.)
STA. 220+85.00

PHASE NOTES

1. PLACE TRAFFIC CONTROL MEASURES AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	SIGN (CONSTRUCTION)
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW

TRAFFIC CONTROL PHASE 3

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA.219+00 TO STA.232+00

SCALE: 1"=50'

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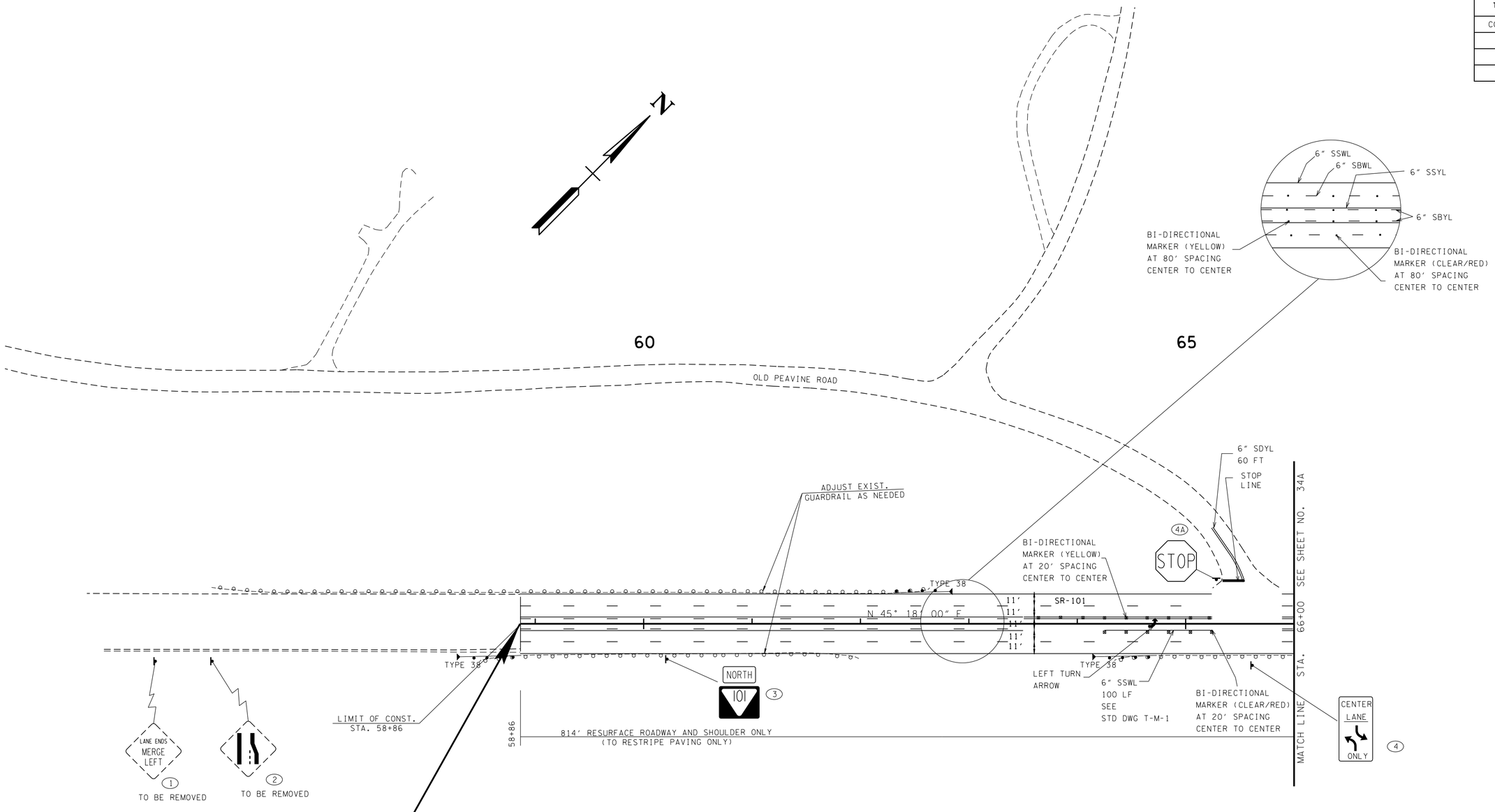
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	34

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



STP-101(16)
BEGIN PROJECT NO. 18038-3240-14 (CONST.)
STA. 58+86.00

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-01.21	SNWPLWBLE PVMT MRKRS (Bi-Dir)(1 Color)	EACH	21
716-01.23	SNWPLWBLE PVMT MRKRS (Bi-Dir)(2 Color)	EACH	23

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS			
	STATION		716-12.02	716-02.05
			6" LINE	STOP LINE
	FROM	TO	L.M.	L.F.
SR101	58+86.00	65+25.00	0.7	
SR101	65+25.00	65+88.00	0.1	
SR101	65+88.00	66+00.00	0.1	
OLD PEAVINE RD			0.1	20.0
TOTALS			0.9	20.0

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PAVEMENT MARKING DETAILS

STA. 56+00 TO STA. 66+00

SCALE: 1"= 50'

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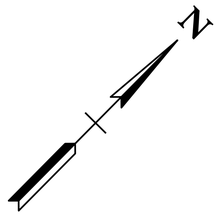
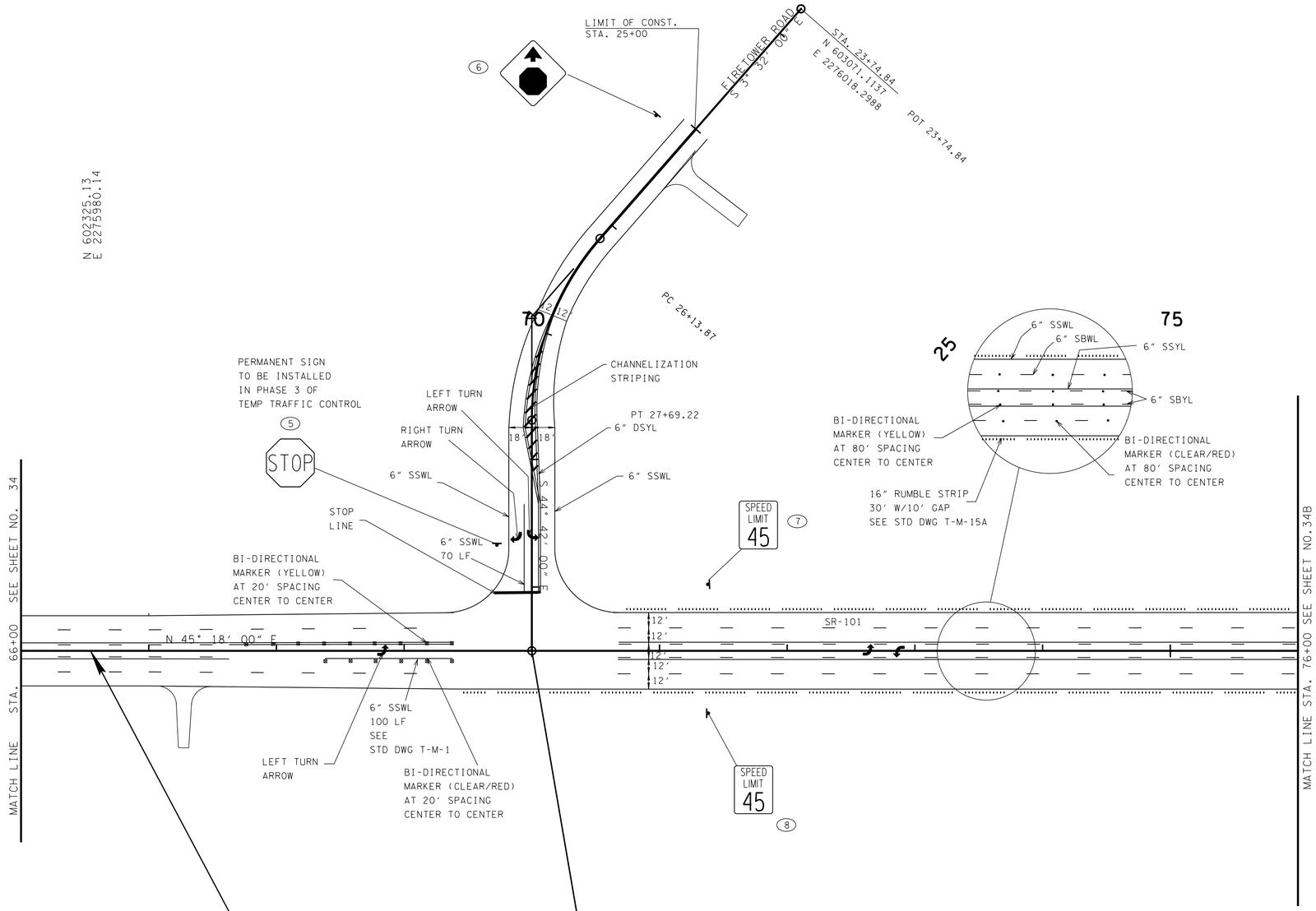
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	34A

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





STP-101(16)
BEGIN PHASE 1 PROJ. NO. 18038-2237-14 (R.O.W.)
STA. 66+54.40

STA. 70+00.00 S.R. 101 =
STA. 29+50.00 FIRETOWER RD.
N 602565.2800
E 2276222.3070
Δ = 90°00'00" RT.

PROPOSED CURVE DATA

FIRETOWER ROAD
PI 26+95.07
N 602,751.4920
E 2,276,038.0340
Δ 41° 10' 01" (LT)
D 26° 30' 00"
R 216.21
L 155.35
T 81.20
SE 0.065 FT/FT (20 MPH)
RUNOFF 74.12' 94% INSIDE
6% OUTSIDE CURVE

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
411-12.02	SCORING SHOULDERS (NON-CONTINUOUS) (16IN WIDTH)	L.M.	0.2
716-01.21	SNWPLWBLE PVMT MRKRS (Bi-Dir)(1 Color)	EACH	27
716-01.23	SNWPLWBLE PVMT MRKRS (Bi-Dir)(2 Color)	EACH	28

PAVEMENT MARKING QUANTITIES

LOCATION	STATION		PAY ITEMS			
			716-12.02	716-02.04	716-02.05	716-02.06
			6" LINE	CHANNELIZATION	STOP LINE	TURN ARROW
	FROM	TO	L.M.	S.Y.	L.F.	EACH
SR101	66+00.00	69+36.00	0.4			1.0
SR101	69+36.00	70+60.00	0.1			
SR101	70+60.00	76+00.00	0.6			
FIRETOWER	25+00.00	29+05.00	0.4	11.0	36.0	2.0
TOTALS			**1.1**	**11.0**	**36.0**	**2.0**

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PAVEMENT MARKING PLANS
STA. 63+00 TO STA. 76+00
SCALE: 1"= 50'

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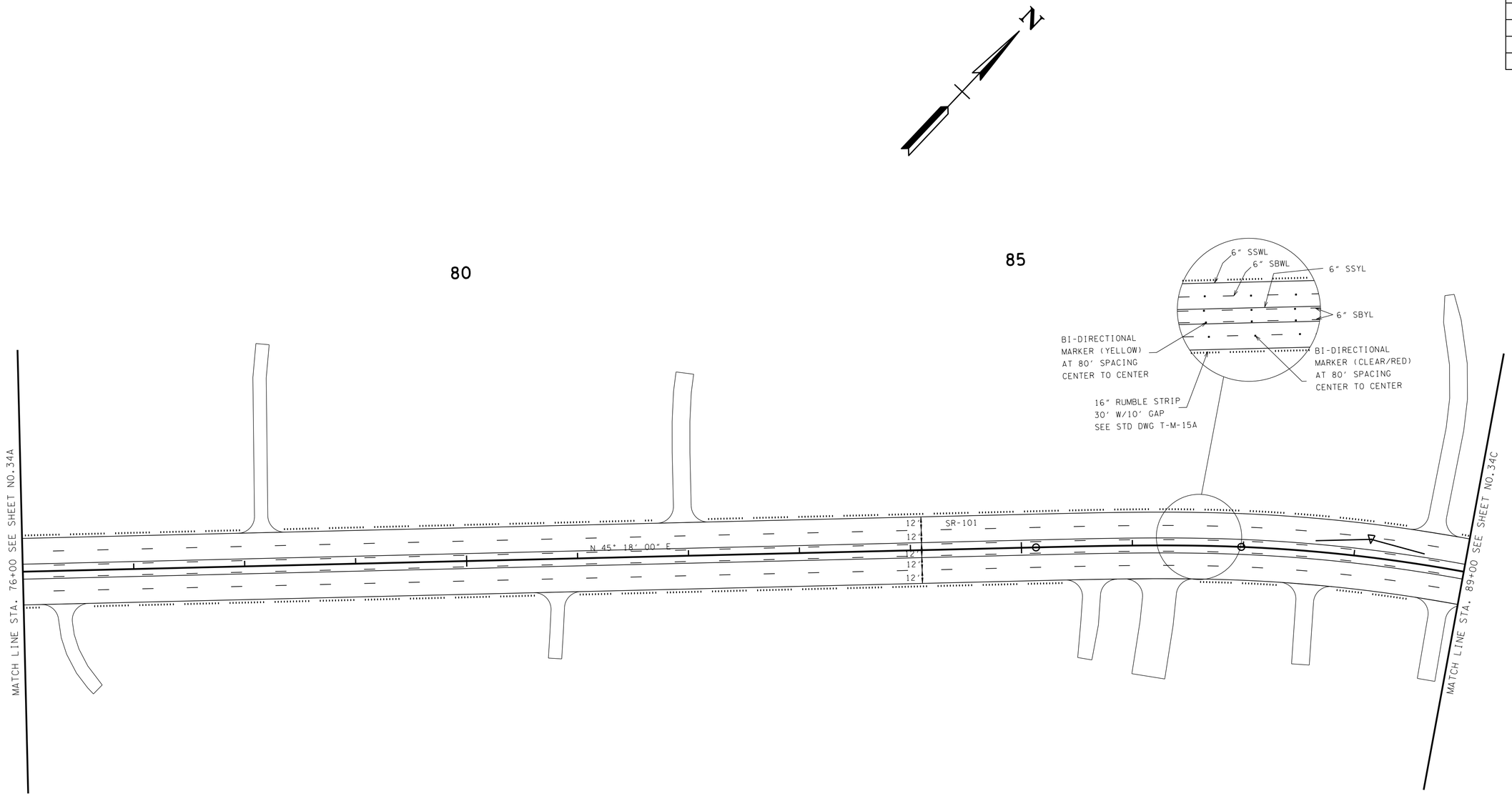
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	34B

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



TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
411-12.02	SCORING SHOULDERS (NON-CONTINUOUS) (16IN WIDTH)	L.M.	0.6
716-01.21	SNWPLWBLE PVMT MRKRS (Bi-Dir)(1 Color)	EACH	33
716-01.23	SNWPLWBLE PVMT MRKRS (Bi-Dir)(2 Color)	EACH	33

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS		
	STATION		716-12.02 6" LINE
	FROM	TO	L.M.
SR101	76+00.00	89+00.00	1.4
TOTALS			1.4

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PAVEMENT MARKING DETAIL

STA. 76+00 TO STA. 89+00

SCALE: 1"= 50'

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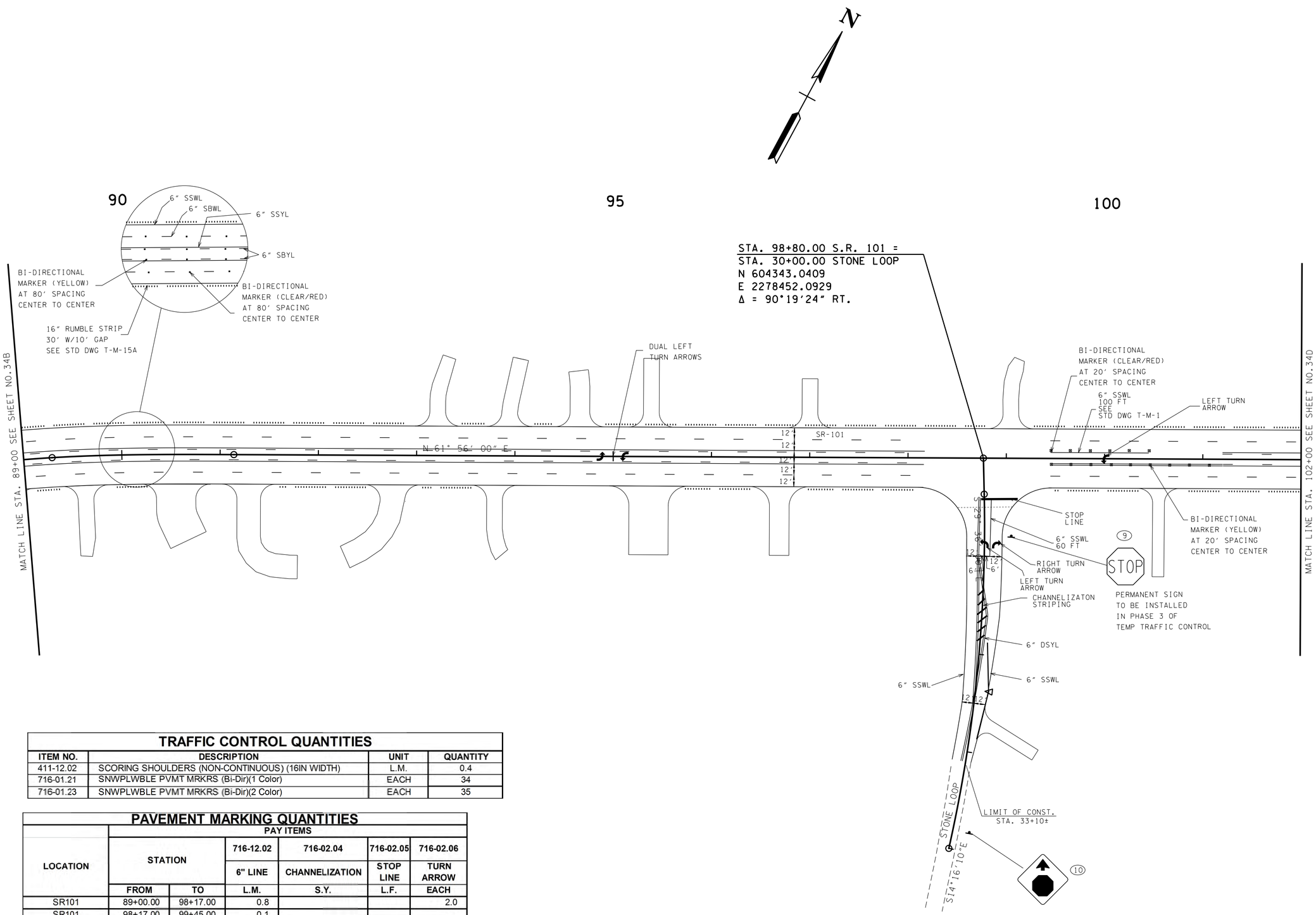
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	34C

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



TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
411-12.02	SCORING SHOULDERS (NON-CONTINUOUS) (16IN WIDTH)	L.M.	0.4
716-01.21	SNWPLWBLE PVMT MRKRS (Bi-Dir)(1 Color)	EACH	34
716-01.23	SNWPLWBLE PVMT MRKRS (Bi-Dir)(2 Color)	EACH	35

PAVEMENT MARKING QUANTITIES

LOCATION	STATION		PAY ITEMS 716-12.02	716-02.04	716-02.05	716-02.06
			6" LINE	CHANNELIZATION	STOP LINE	TURN ARROW
	FROM	TO	L.M.	S.Y.	L.F.	EACH
SR101	89+00.00	98+17.00	0.8			2.0
SR101	98+17.00	99+45.00	0.1			
SR101	99+45.00	102+00.00	0.3			1.0
STONE LOOP	30+45.00	33+10.00	0.3	7.0	40.0	2.0
TOTALS			**1.5**	**7.0**	**40.0**	**5.0**

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PAVEMENT MARKING DETAIL

STA. 89+00 TO STA. 102+00

SCALE: 1"= 50'

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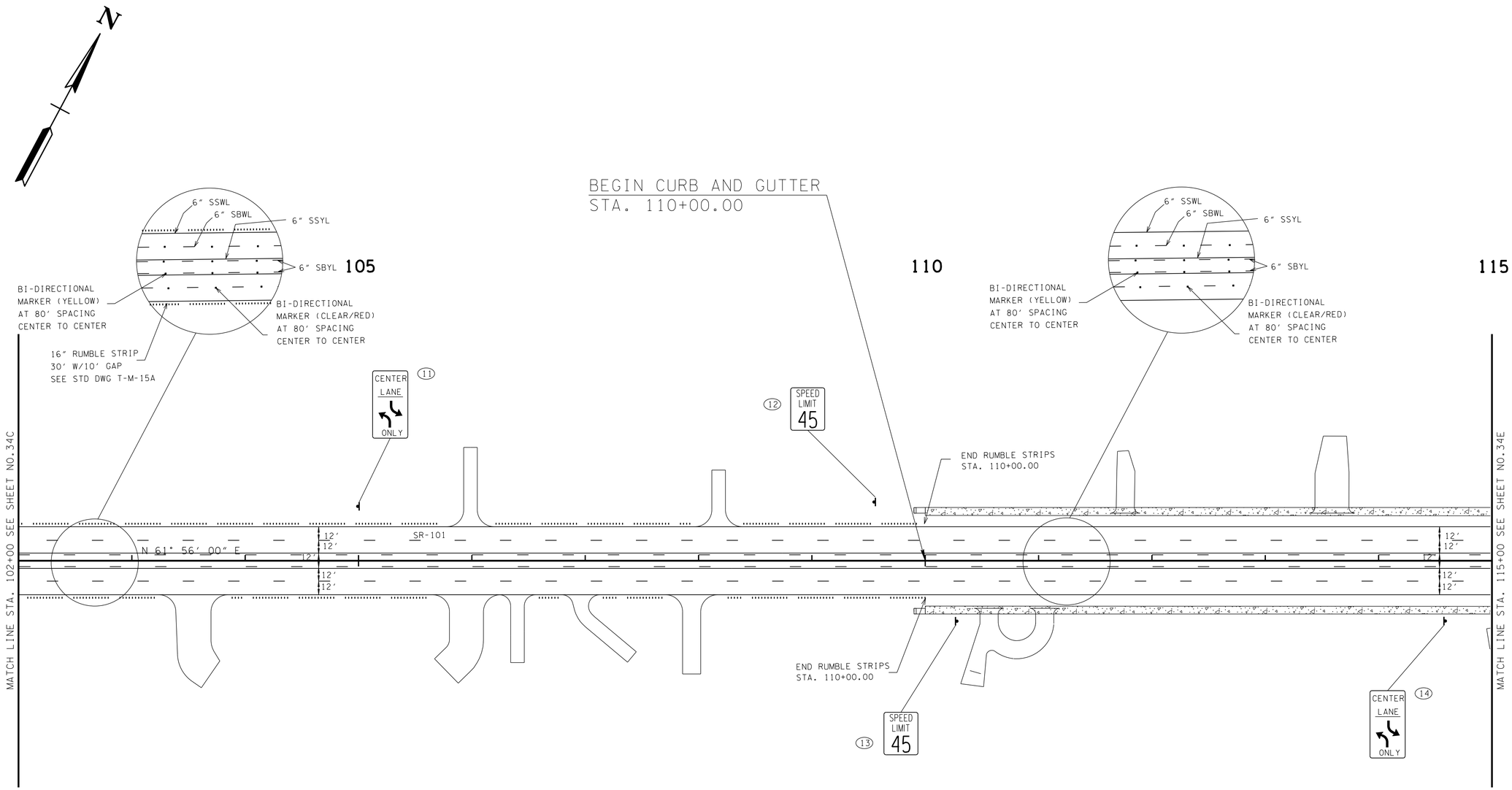
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	34D



TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
411-12.02	SCORING SHOULDERS (NON-CONTINUOUS) (16IN WIDTH)	L.M.	0.3
716-01.21	SNWPLWBLE PVMT MRKRS (Bi-Dir)(1 Color)	EACH	33
716-01.23	SNWPLWBLE PVMT MRKRS (Bi-Dir)(2 Color)	EACH	33

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS		
	STATION		716-12.02 6" LINE
	FROM	TO	L.M.
SR101	102+00.00	115+00.00	1.0
TOTALS			1.0

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PAVEMENT MARKING DETAIL

STA. 102+00 TO STA. 115+00

SCALE: 1"= 50'

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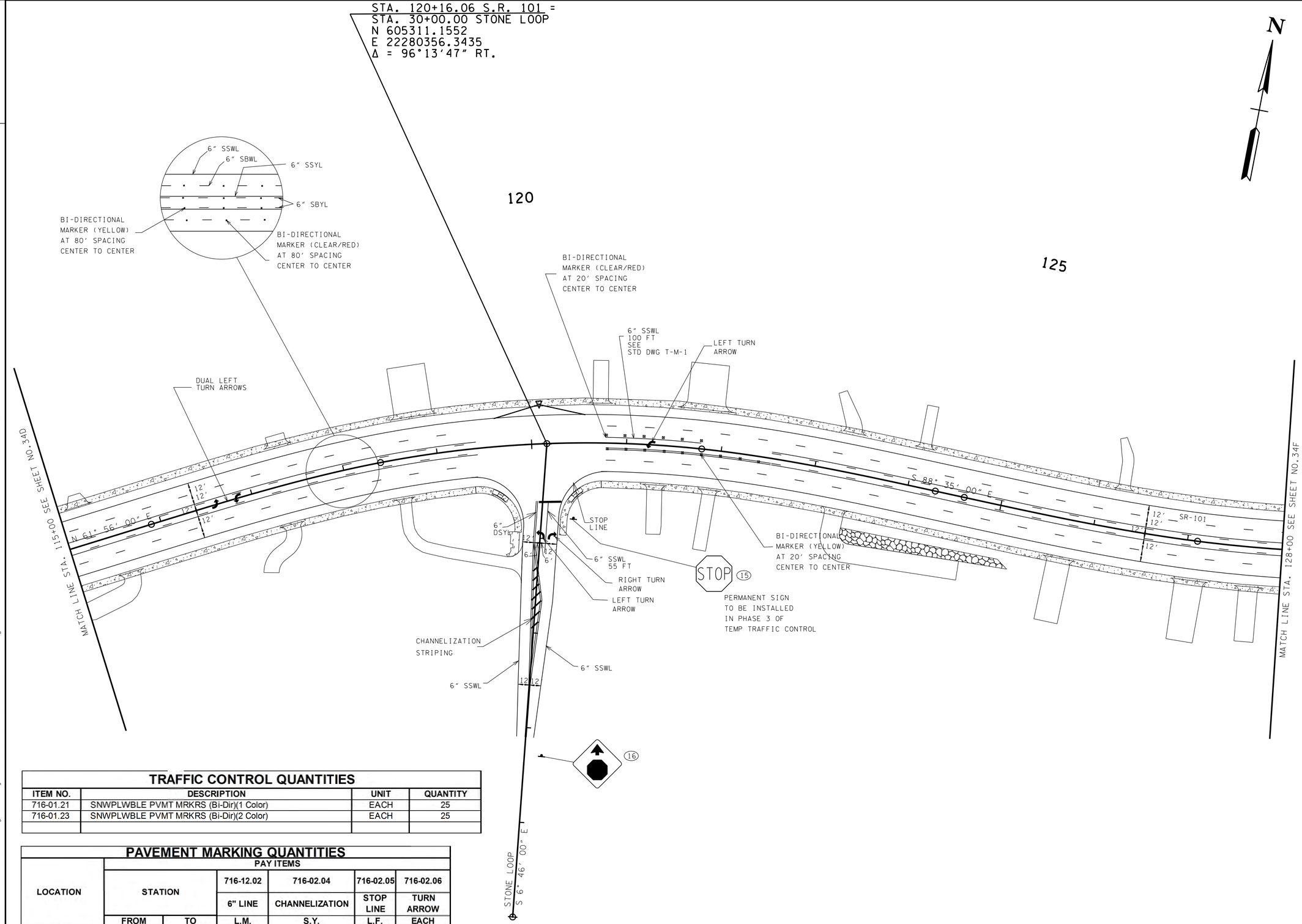
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	34E



TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-01.21	SNWPLWBLE PVMT MRKRS (Bi-Dir)(1 Color)	EACH	25
716-01.23	SNWPLWBLE PVMT MRKRS (Bi-Dir)(2 Color)	EACH	25

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS					
	STATION		716-12.02	716-02.04	716-02.05	716-02.06
			6" LINE	CHANNELIZATION	STOP LINE	TURN ARROW
	FROM	TO	L.M.	S.Y.	L.F.	EACH
SR101	115+00.00	119+43.00	0.5			
SR101	119+43.00	120+77.00	0.1			
SR101	120+77.00	128+00.00	0.8			3.0
STONE LOOP	30+60.00	33+10.00	0.3	8.0	24.0	2.0
TOTALS			1.7	8.0	24.0	5.0

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PAVEMENT MARKING DETAIL

STA. 115+00 TO STA. 128+00

SCALE: 1"= 50'

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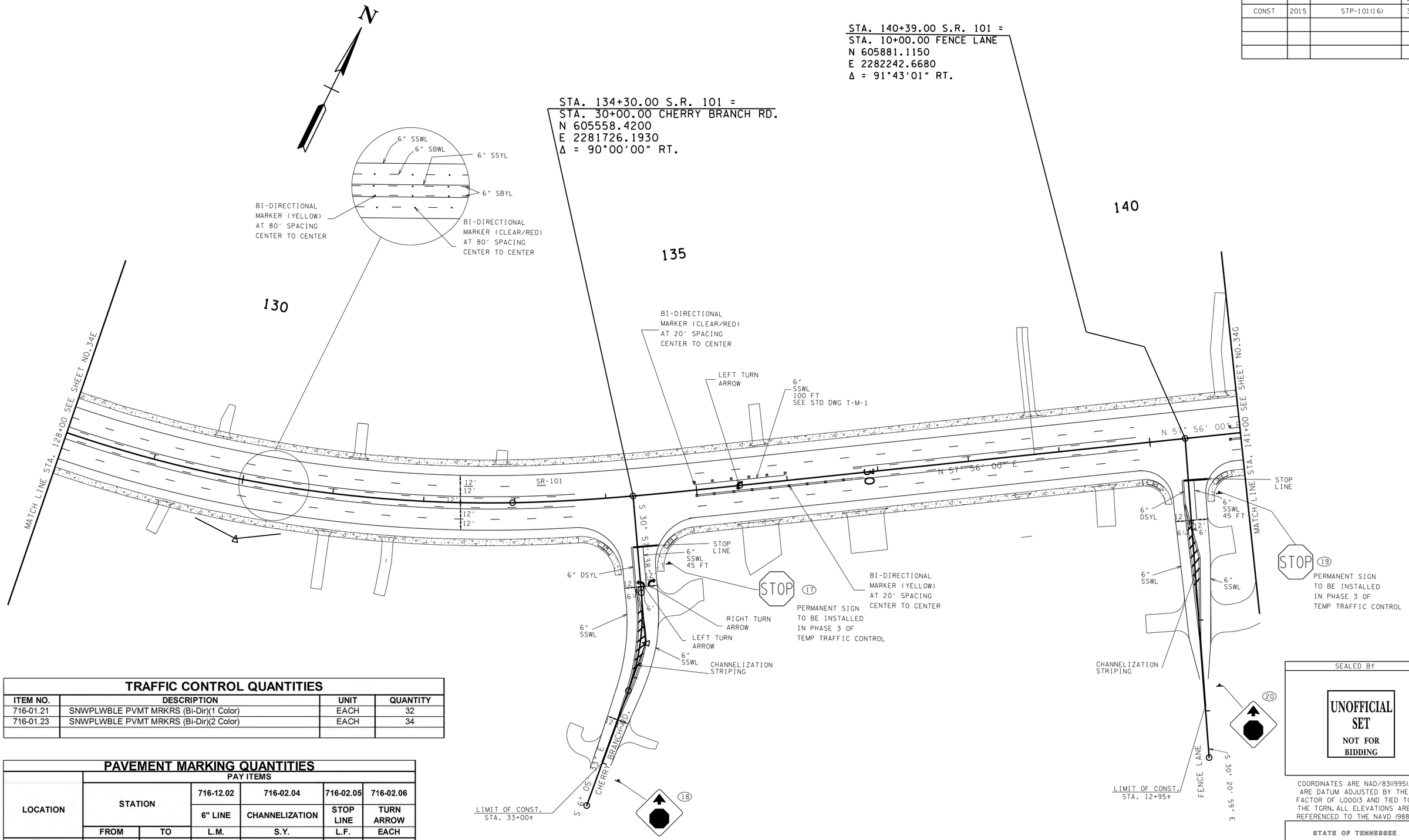
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	34F

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



TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-01.21	SNWPLWBLE PVMT MRKRS (Bi-Dir)(1 Color)	EACH	32
716-01.23	SNWPLWBLE PVMT MRKRS (Bi-Dir)(2 Color)	EACH	34

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS					
	STATION		716-12.02	716-02.04	716-02.05	716-02.06
			6" LINE	CHANNELIZATION	STOP LINE	TURN ARROW
	FROM	TO	L.M.	S.Y.	L.F.	EACH
SR101	128+00.00	133+64.00	0.6			
SR101	133+64.00	134+98.00	0.1			
SR101	134+98.00	139+84.00	0.5			
SR101	139+84.00	140+86.00	0.1			1.0
SR101	140+86.00	141+00.00	0.1			
CHERRY BRANCH	30+55.00	33+00.00	0.3	8.0	24.0	2.0
FENCE LANE	10+45.00	12+95.00	0.3	7.8	24.0	
TOTALS			2.0	15.8	48.0	3.0

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PAVEMENT MARKING DETAIL

STA. 128+00 TO STA. 141+00

SCALE: 1"= 50'

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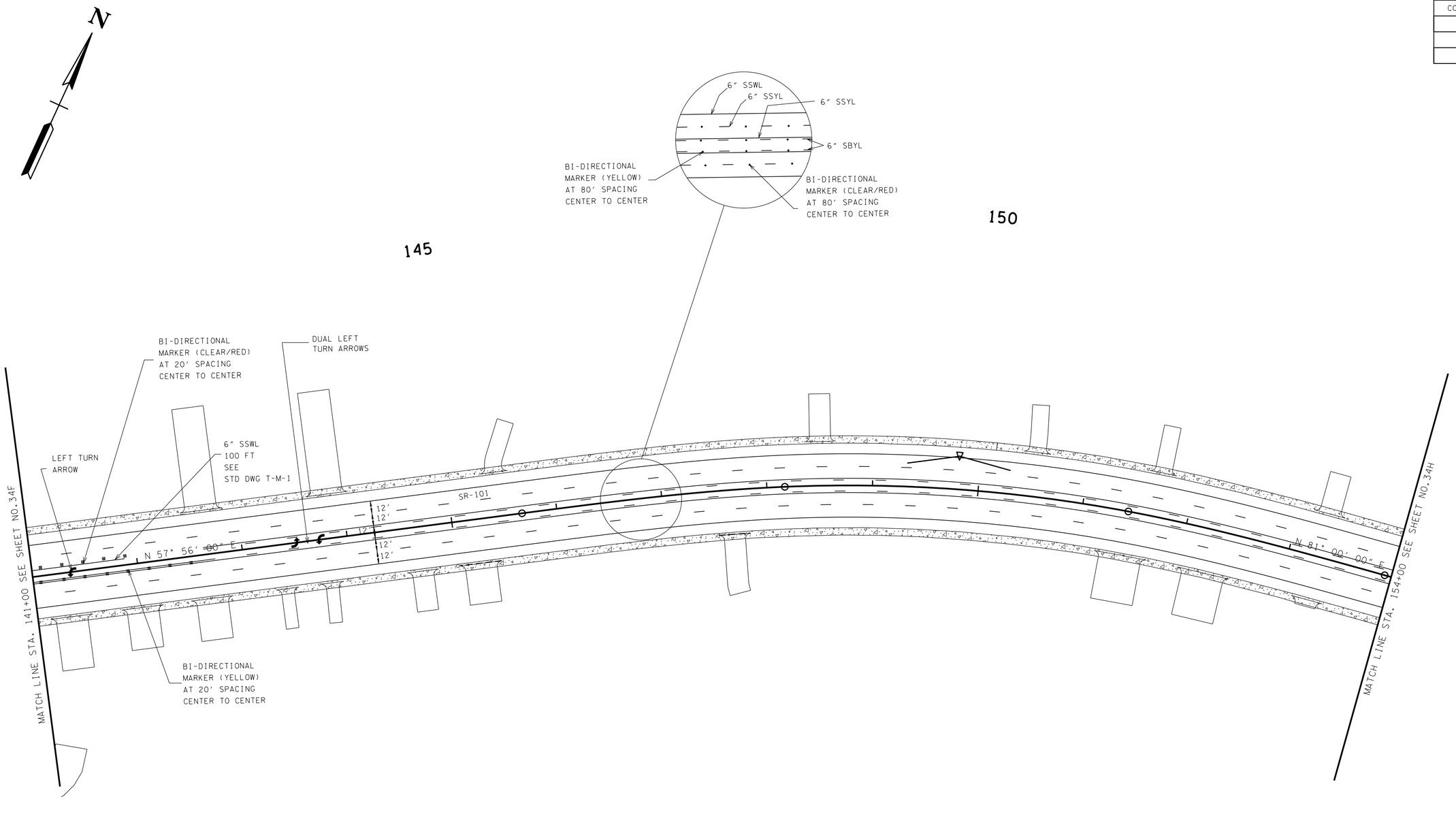
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	34G

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



TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-01.21	SNWPLWBLE PVMT MRKRS (Bi-Dir)(1 Color)	EACH	37
716-01.23	SNWPLWBLE PVMT MRKRS (Bi-Dir)(2 Color)	EACH	38

PAVEMENT MARKING QUANTITIES

LOCATION	PAY ITEMS			
	STATION		716-12.02	716-02.06
			6" LINE	TURN ARROW
	FROM	TO	L.M.	EACH
SR101	141+00.00	154+00.00	1.4	3.0
TOTALS			1.4	3.0

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PAVEMENT MARKING DETAIL

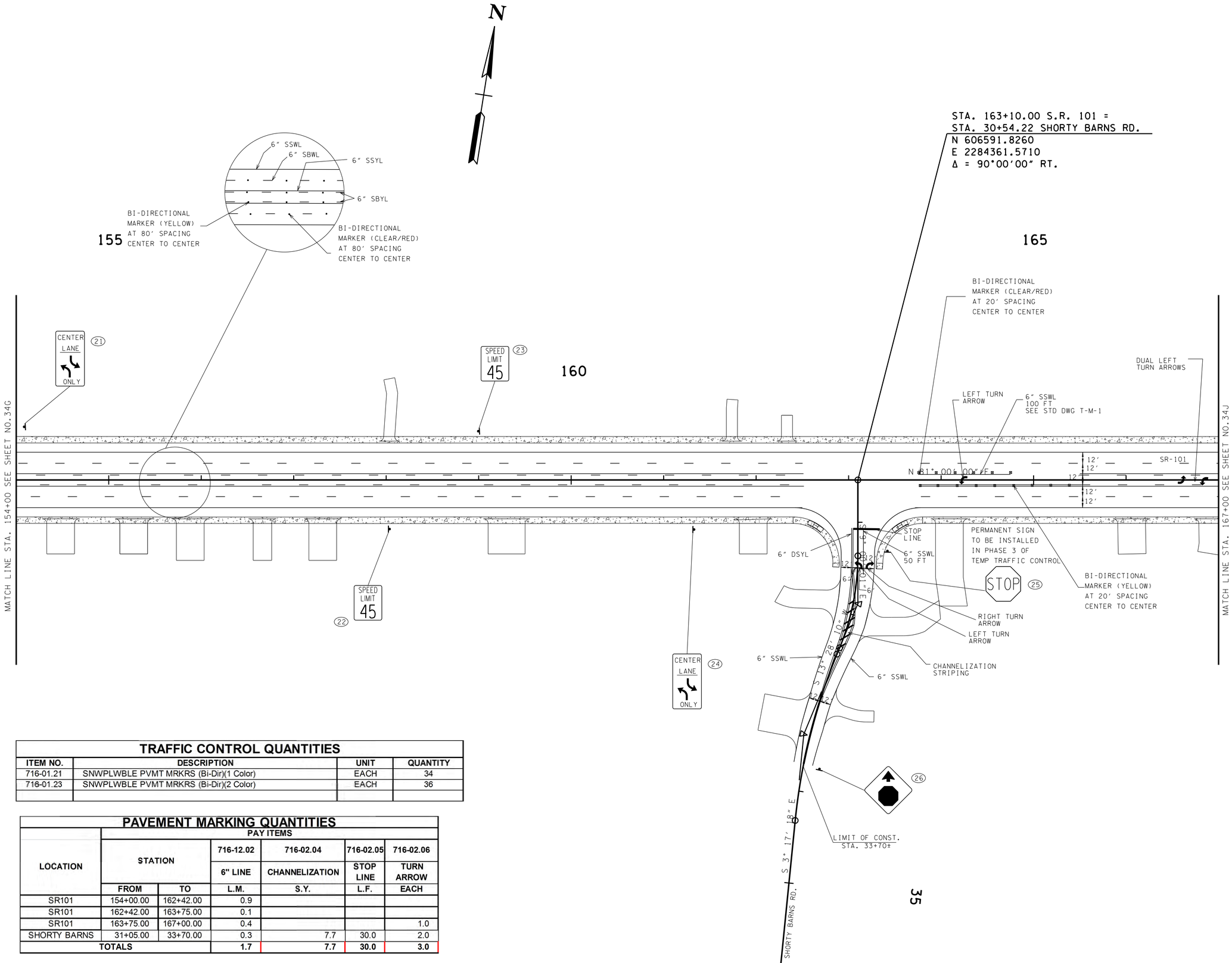
STA. 141+00 TO STA. 154+00

SCALE: 1"= 50'

20-OCT-2014 11:45
\\JJ02WF01.tdot.state.tn.us\02Shared\Design County Folders\Cumberland\SR101 fair-field glade (de)\SR101\sheet files\Phase 1Sheets\CU101_034G.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	34H

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



TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-01.21	SNWPLWBLE PVMT MRKRS (Bi-Dir)(1 Color)	EACH	34
716-01.23	SNWPLWBLE PVMT MRKRS (Bi-Dir)(2 Color)	EACH	36

PAVEMENT MARKING QUANTITIES

LOCATION	STATION		PAY ITEMS			
			716-12.02	716-02.04	716-02.05	716-02.06
			6" LINE	CHANNELIZATION	STOP LINE	TURN ARROW
	FROM	TO	L.M.	S.Y.	L.F.	EACH
SR101	154+00.00	162+42.00	0.9			
SR101	162+42.00	163+75.00	0.1			
SR101	163+75.00	167+00.00	0.4			1.0
SHORTY BARNS	31+05.00	33+70.00	0.3	7.7	30.0	2.0
TOTALS			1.7	7.7	30.0	3.0

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NOT FOR BIDDING

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PAVEMENT MARKING DETAIL

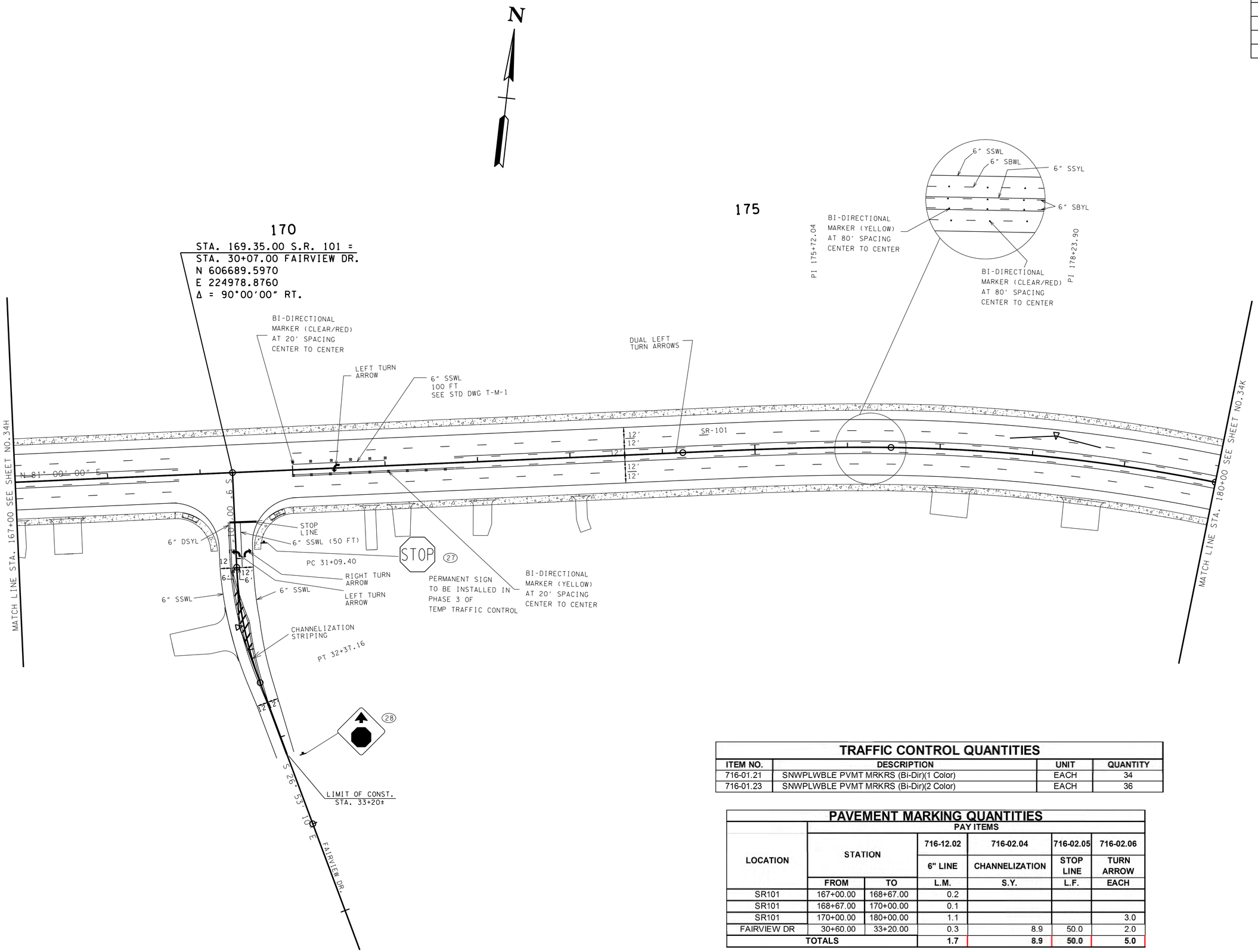
STA. 154+00 TO STA. 167+00

SCALE: 1"= 50'

20-OCT-2014 11:45
\\J02WF01.tdot.state.tn.us\02Shared\Design County Folders\Cumberland\SR101 fairfield glade (de)\SR101\sheet files\Phase 1Sheets\CU101_034H.sht

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	34J



TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-01.21	SNWPLWBLE PVMT MRKRS (Bi-Dir)(1 Color)	EACH	34
716-01.23	SNWPLWBLE PVMT MRKRS (Bi-Dir)(2 Color)	EACH	36

PAVEMENT MARKING QUANTITIES

LOCATION	STATION		PAY ITEMS			
			716-12.02	716-02.04	716-02.05	716-02.06
			6" LINE	CHANNELIZATION	STOP LINE	TURN ARROW
	FROM	TO	L.M.	S.Y.	L.F.	EACH
SR101	167+00.00	168+67.00	0.2			
SR101	168+67.00	170+00.00	0.1			
SR101	170+00.00	180+00.00	1.1			3.0
FAIRVIEW DR	30+60.00	33+20.00	0.3	8.9	50.0	2.0
TOTALS			1.7	8.9	50.0	5.0

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PAVEMENT MARKING DETAIL

STA. 167+00 TO STA. 180+00

SCALE: 1"= 50'

20-OCT-2014 11:45
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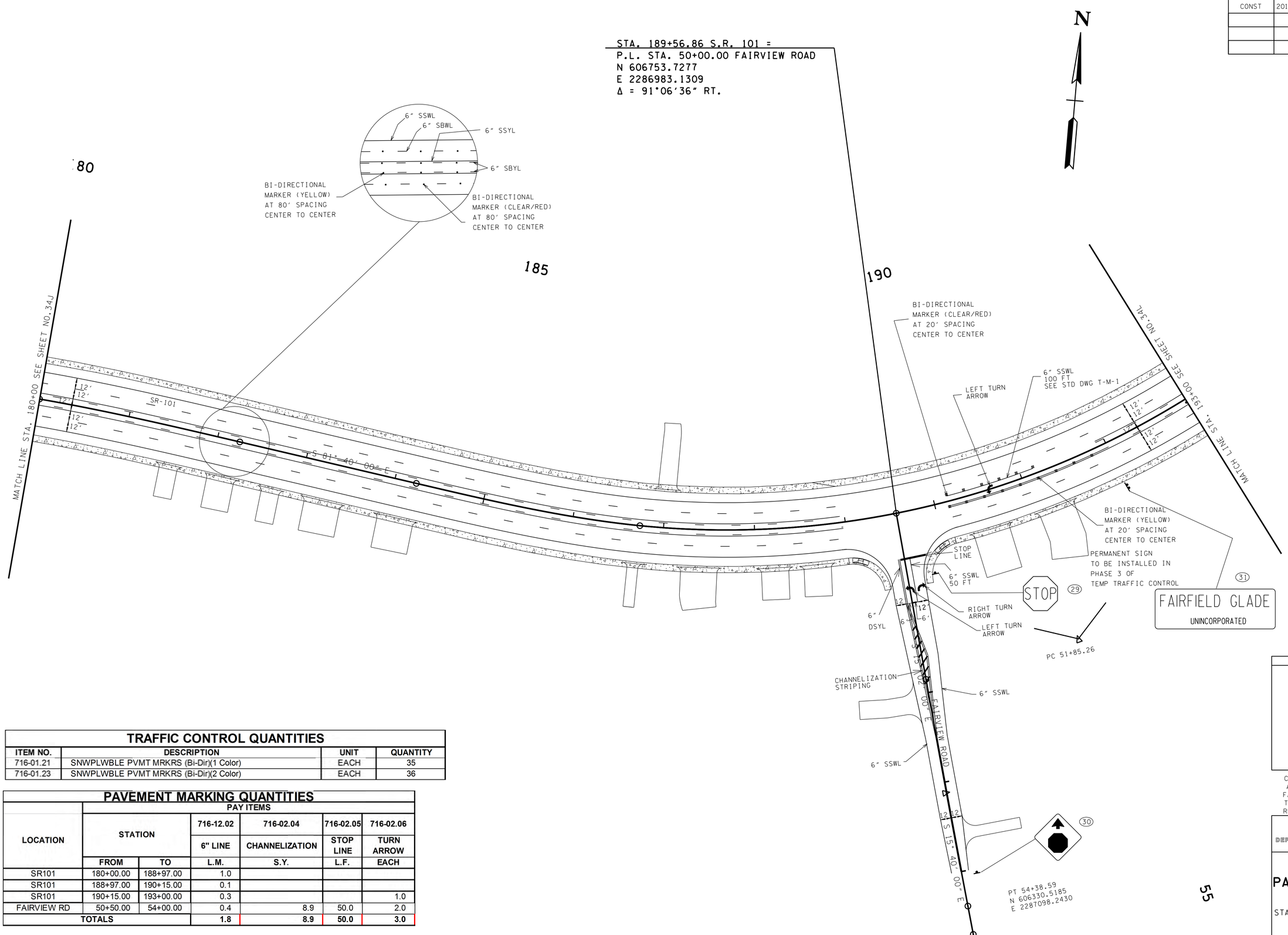
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	34K

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



TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-01.21	SNWPLWBLE PVMT MRKRS (Bi-Dir)(1 Color)	EACH	35
716-01.23	SNWPLWBLE PVMT MRKRS (Bi-Dir)(2 Color)	EACH	36

PAVEMENT MARKING QUANTITIES

LOCATION	STATION		PAY ITEMS 716-12.02 6" LINE	716-02.04 CHANNELIZATION	716-02.05 STOP LINE	716-02.06 TURN ARROW
	FROM	TO	L.M.	S.Y.	L.F.	EACH
SR101	180+00.00	188+97.00	1.0			
SR101	188+97.00	190+15.00	0.1			
SR101	190+15.00	193+00.00	0.3			1.0
FAIRVIEW RD	50+50.00	54+00.00	0.4	8.9	50.0	2.0
TOTALS			1.8	8.9	50.0	3.0

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PAVEMENT MARKING DETAIL

STA. 180+00 TO STA. 193+00

SCALE: 1"= 50'

20-OCT-2014 11:45
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

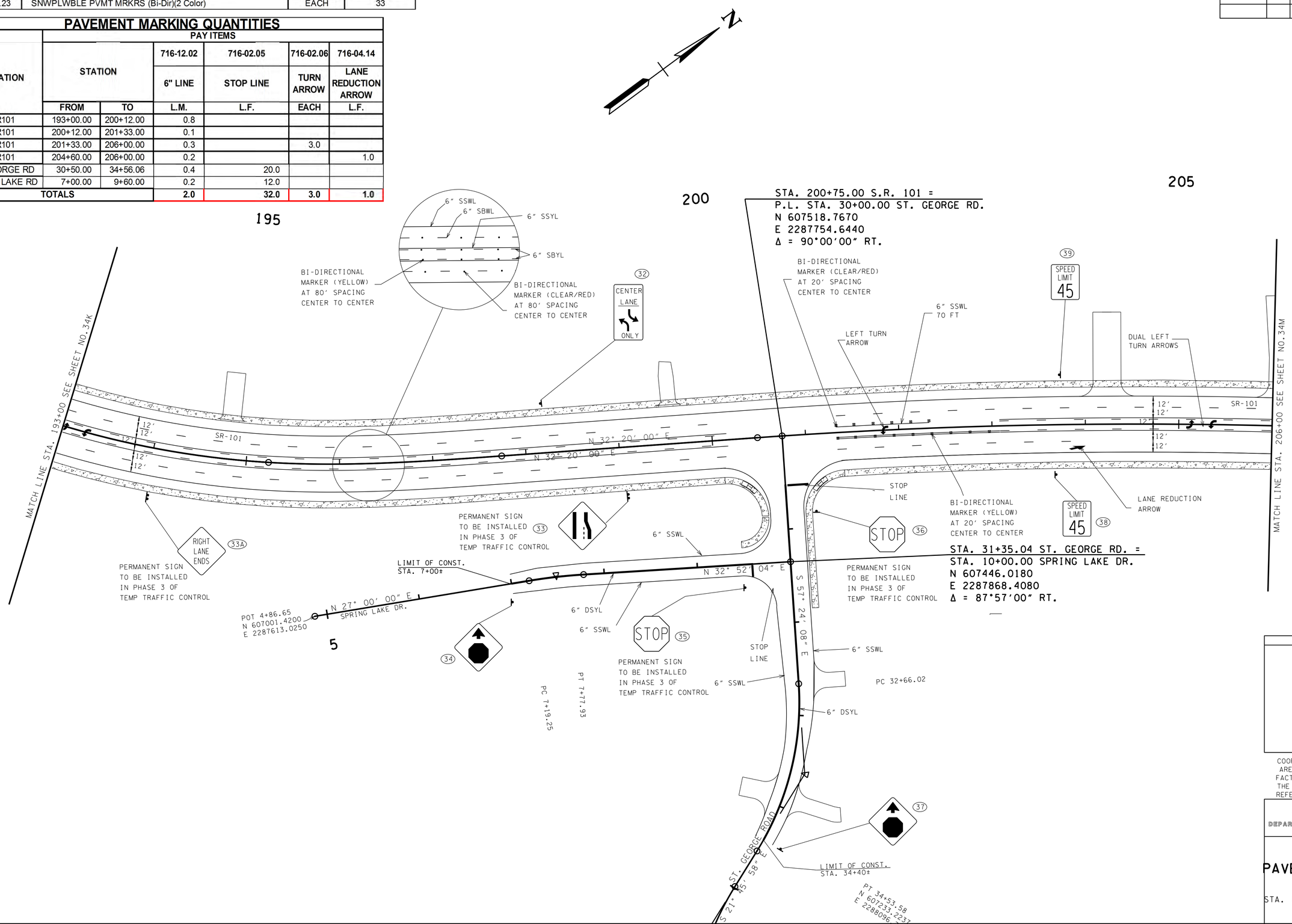
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	34L

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-01.21	SNWPLWBLE PVMT MRKRS (Bi-Dir)(1 Color)	EACH	35
716-01.23	SNWPLWBLE PVMT MRKRS (Bi-Dir)(2 Color)	EACH	33

PAVEMENT MARKING QUANTITIES

LOCATION	STATION FROM	STATION TO	716-12.02 6" LINE L.M.	716-02.05 STOP LINE L.F.	716-02.06 TURN ARROW EACH	716-04.14 LANE REDUCTION ARROW L.F.
SR101	193+00.00	200+12.00	0.8			
SR101	200+12.00	201+33.00	0.1			
SR101	201+33.00	206+00.00	0.3		3.0	
SR101	204+60.00	206+00.00	0.2			1.0
ST.GEORGE RD	30+50.00	34+56.06	0.4	20.0		
SPRING LAKE RD	7+00.00	9+60.00	0.2	12.0		
TOTALS			2.0	32.0	3.0	1.0



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PAVEMENT MARKING DETAIL

STA. 193+00 TO STA. 206+00

SCALE: 1"= 50'

20-OCT-2014 11:45
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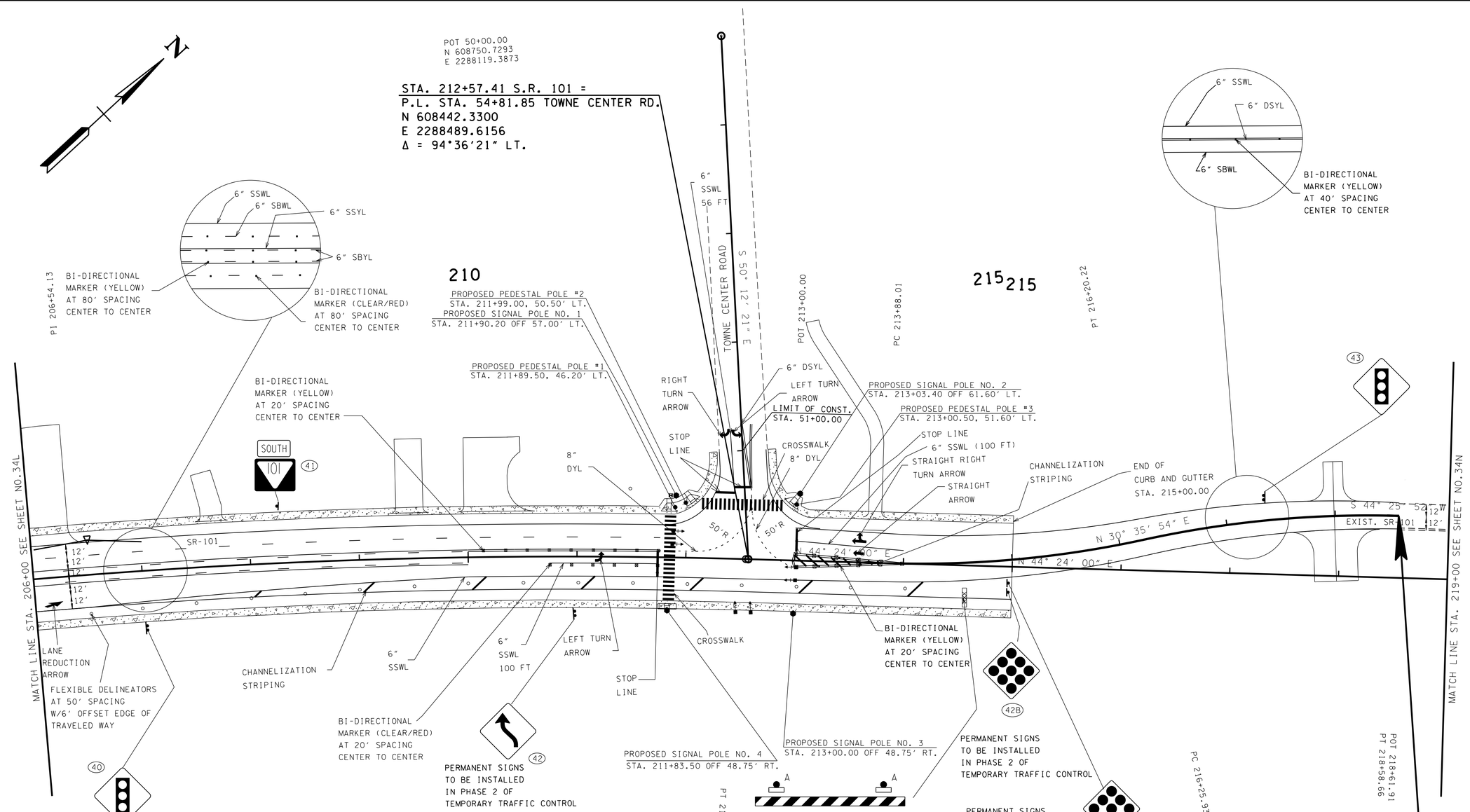
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	34M

REV. 8-17-15- REVISED DRIVEWAY AT STA 210+16.66LT PER ROW REQ.



TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-01.21	SNWPLWBLE PVMT MRKRS (Bi-Dir)(1 Color)	EACH	43
716-01.23	SNWPLWBLE PVMT MRKRS (Bi-Dir)(2 Color)	EACH	13
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	12
713-02.36	FLEXIBLE BARRIER DELINEATOR	EACH	16

PAVEMENT MARKING QUANTITIES

LOCATION	STATION		PAY ITEMS								
			716-12.02	716-02.04	716-02.05	716-02.06	716-04.01	716-04.05	716-02.08	716-02.09	716-04.14
			6" LINE	CHANNELIZATION	STOP LINE	TURN ARROW	STRAIGHT-TURN ARROW	STRAIGHT ARROW	8" YELLOW DOTTED LINE	CROSS-WALK	LANE REDUCTION ARROW
	FROM	TO	L.M.	S.Y.	L.F.	EACH	EACH	EACH	L.F.	L.F.	L.F.
SR101	206+00.00	210+00.00	0.5	2.5							1.0
SR101	210+00.00	211+75.00	0.2	3.9	24.0	3.0					
SR101	211+75.00	215+00.00	0.2	5.9					200.0	80.0	
SR101- 2 LN RD	213+00.00	214+00.00	0.2	8.0	24.0	1.0		1.0			
SR101- 2 LN RD	214+00.00	215+00.00	0.1				1.0				
SR101- 2 LN RD	215+00.00	218+61.90	0.3								
TOWNE CENTER	53+56.85	53+81.85	0.1		32.0	2.0				80.0	
TOWNE CENTER	53+81.85	54+16.85	0.1								
TOTALS			1.7	20.3	80.0	6.0	1.0	1.0	200.0	160.0	1.0

PROPOSED TYPE III BARRICADE SHALL BE MAINTAINED BY TDOT MAINTENANCE/CONSTRUCTION FORCES DURING THE TIMES OF PROPOSED TRAFFIC PATTERN AS SHOWN ON THIS SHEET.

STP-101(16)
END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STA. 215+00.00

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PAVEMENT MARKING DETAIL
STA. 206+00 TO STA. 219+00
SCALE: 1"= 50'

6-NOV-2015 08:01
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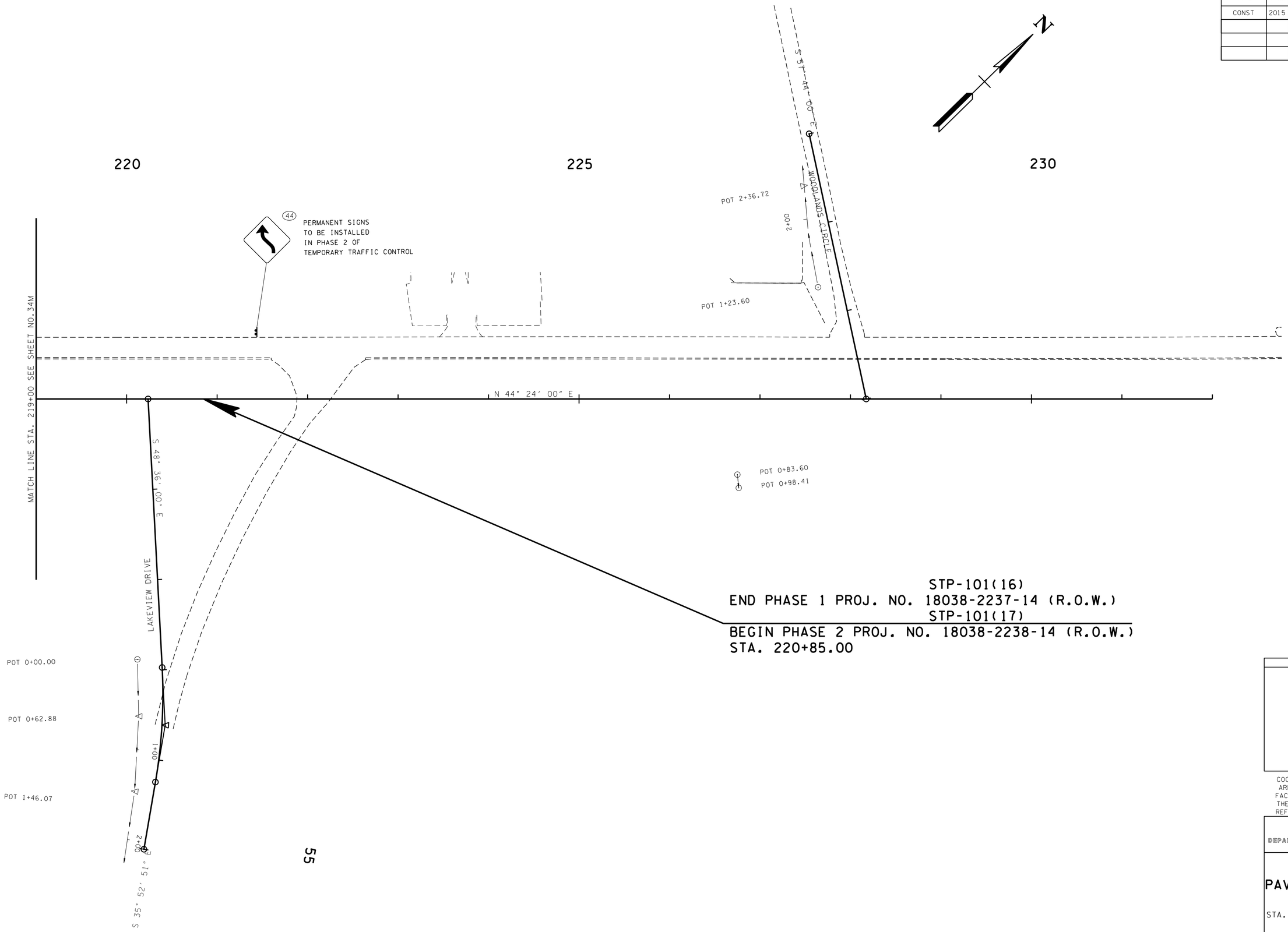
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP-101(16)	34N



55

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UNOFFICIAL SET
NOT FOR BIDDING

COORDINATES ARE NAD/B31(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00013 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PAVEMENT MARKING DETAIL

STA. 219+00 TO STA. 232+00

SCALE: 1"= 50'

20-OCT-2014 11:46
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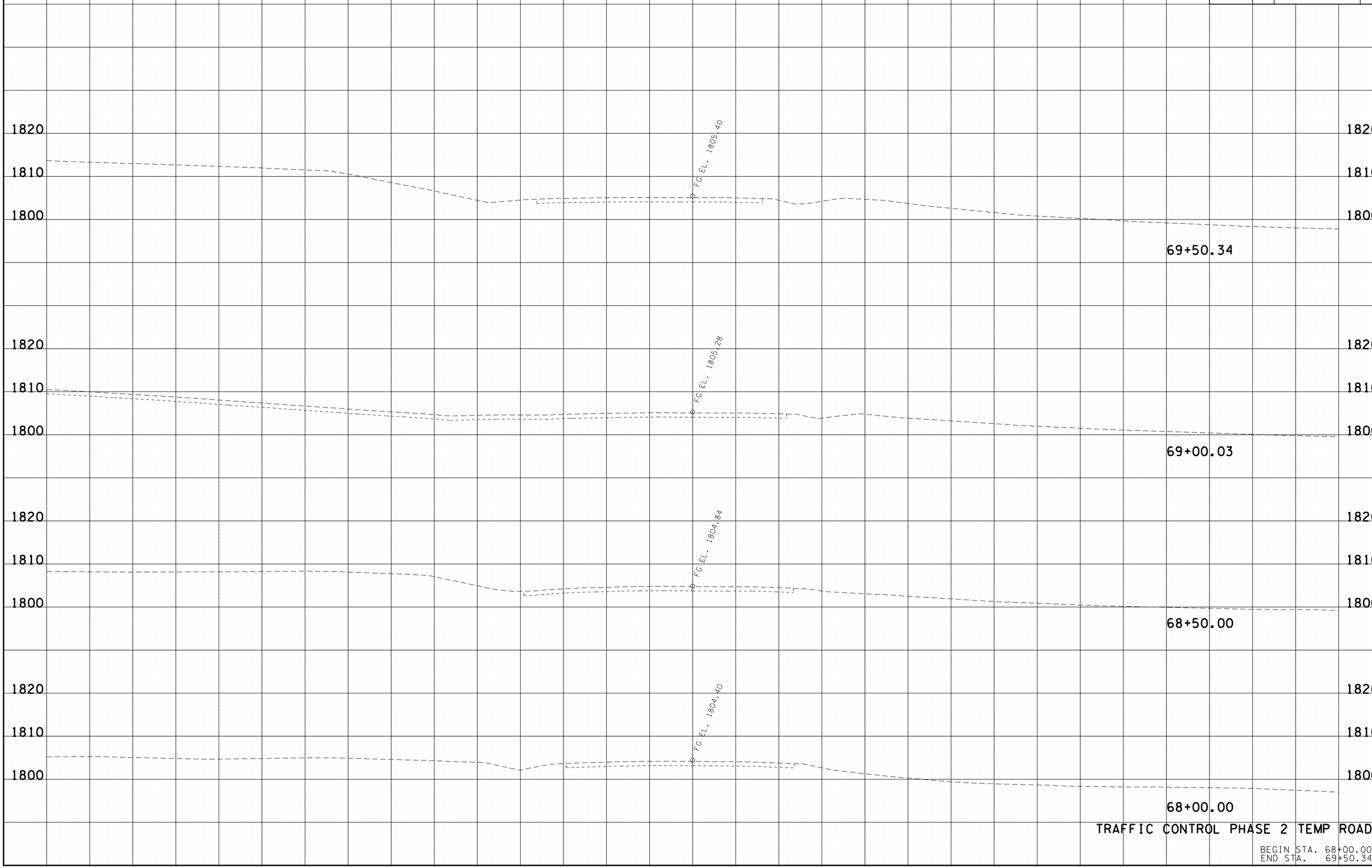
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP-101(16)	38



TRAFFIC CONTROL PHASE 2 TEMP ROAD

BEGIN STA. 68+00.00
END STA. 69+50.34

21-OCT-2014 07:15
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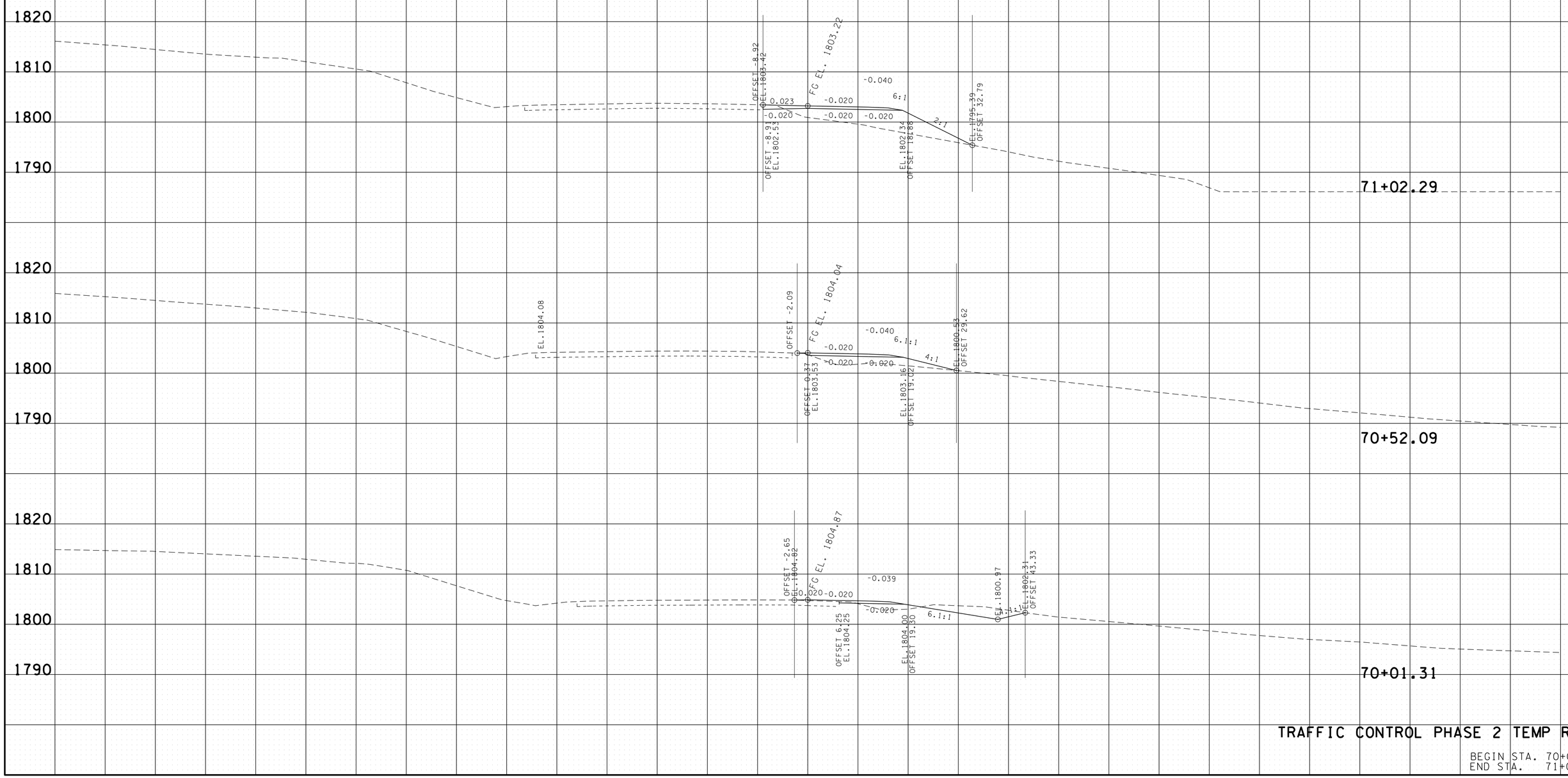
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP-101(16)	39



TRAFFIC CONTROL PHASE 2 TEMP ROAD

BEGIN STA. 70+01.31
END STA. 71+02.29

21-OCT-2014 07:15
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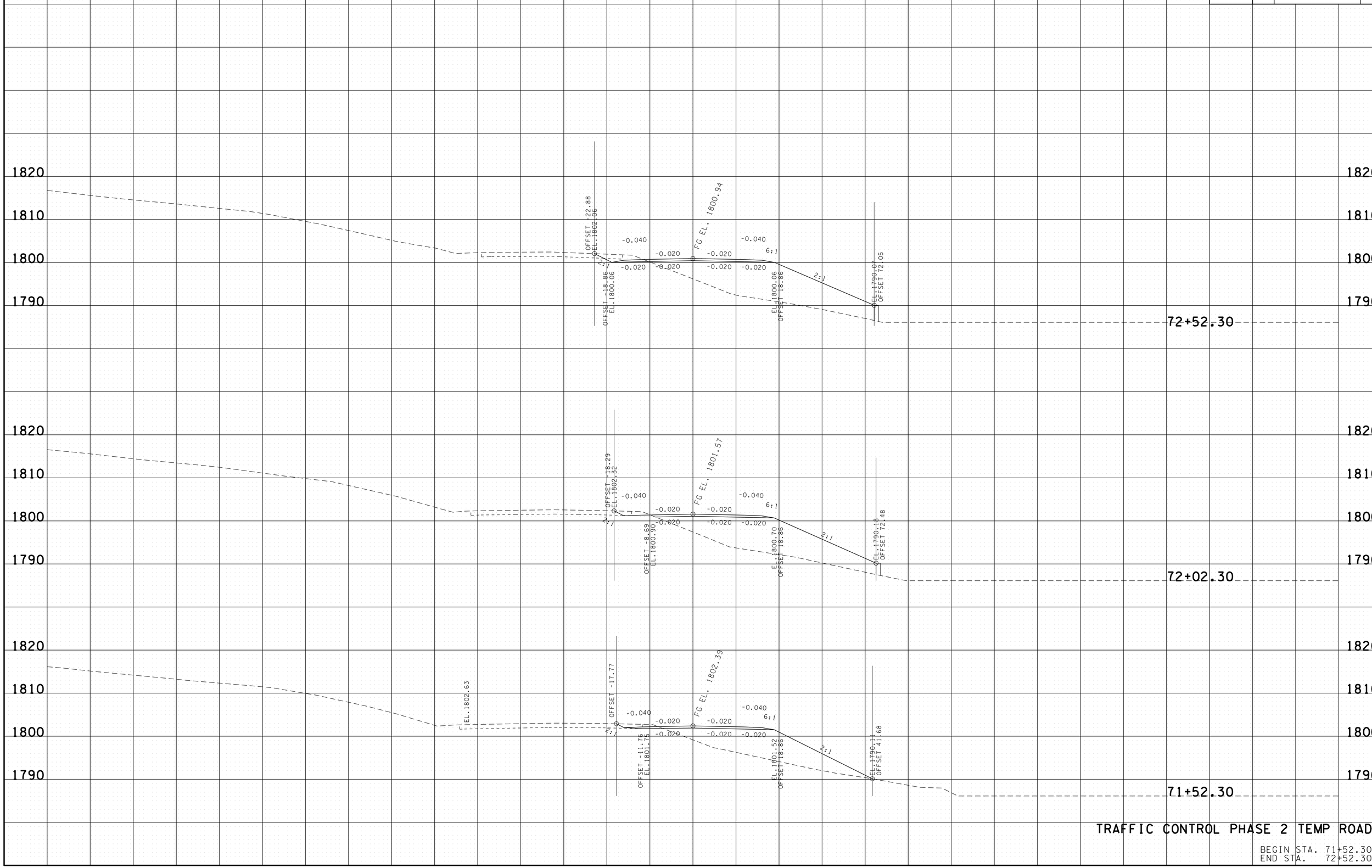
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP-101(16)	40



TRAFFIC CONTROL PHASE 2 TEMP ROAD

BEGIN STA. 71+52.30
END STA. 72+52.30

21-OCT-2014 07:15
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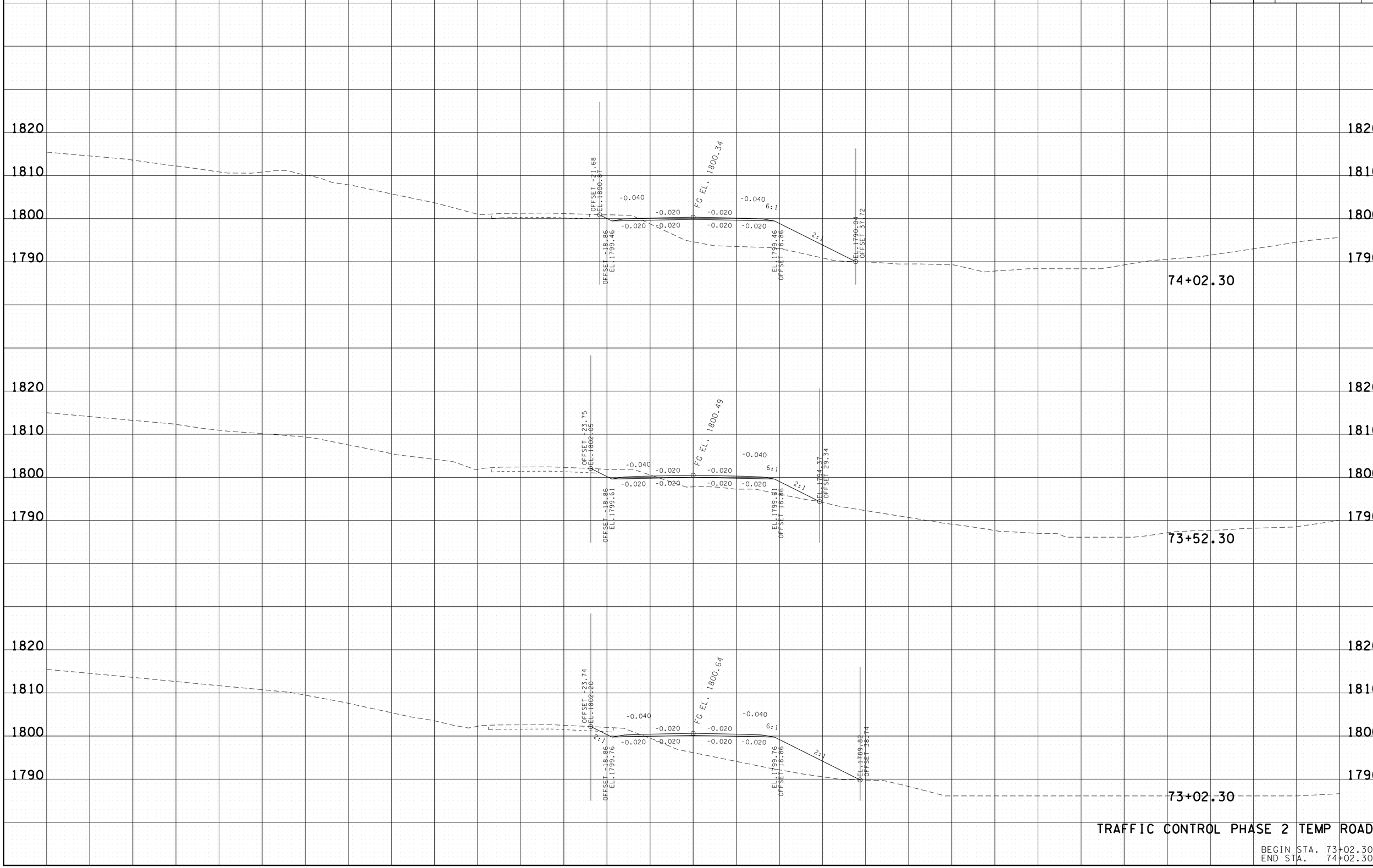
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP-101(16)	41



TRAFFIC CONTROL PHASE 2 TEMP ROAD

BEGIN STA. 73+02.30
END STA. 74+02.30

21-OCT-2014 07:15
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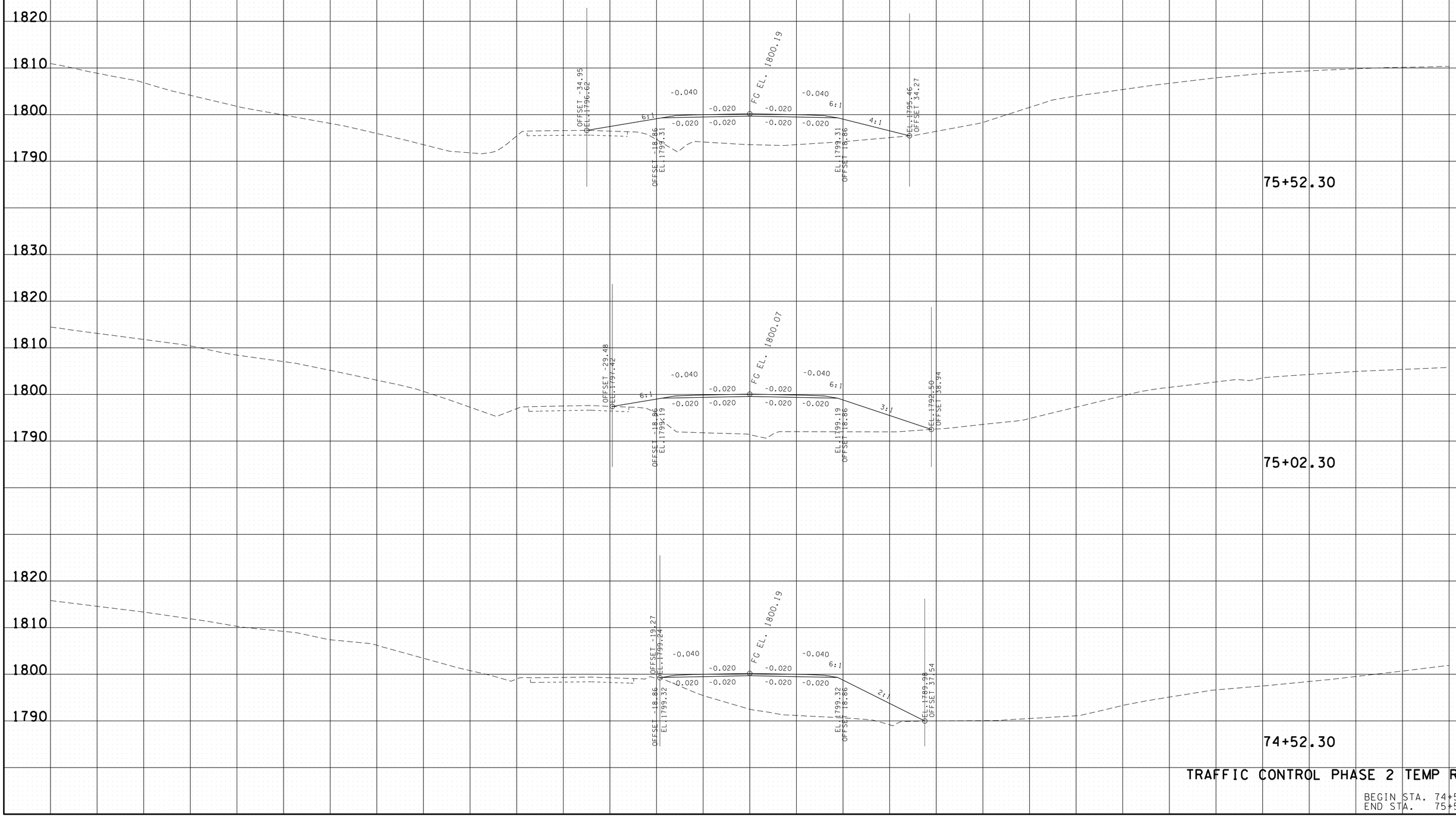
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP-101(16)	42



TRAFFIC CONTROL PHASE 2 TEMP ROAD

BEGIN STA. 74+52.30
END STA. 75+52.30

21-OCT-2014 07:15
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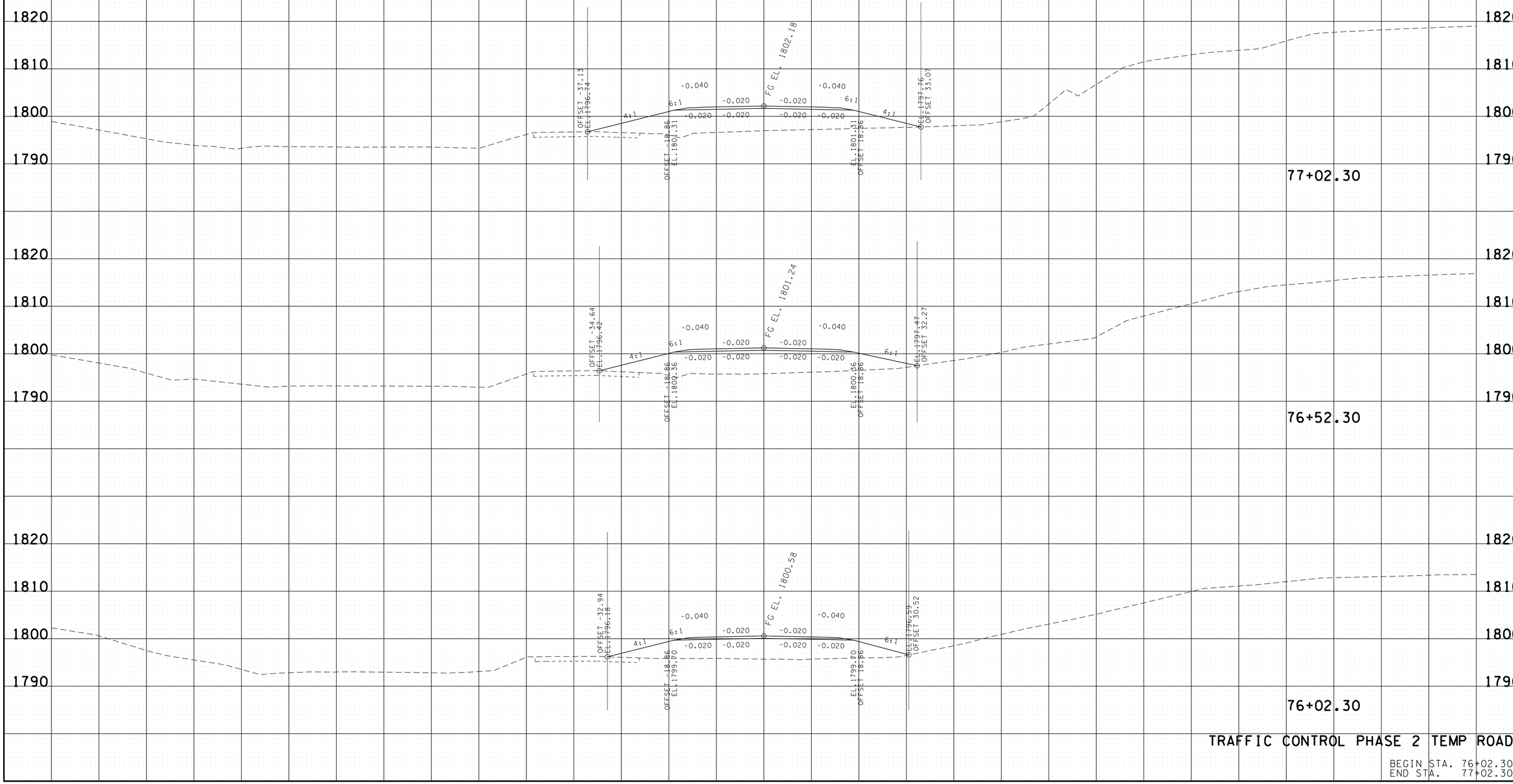
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP-101(16)	43



TRAFFIC CONTROL PHASE 2 TEMP ROAD

BEGIN STA. 76+02.30
END STA. 77+02.30

21-OCT-2014 07:15
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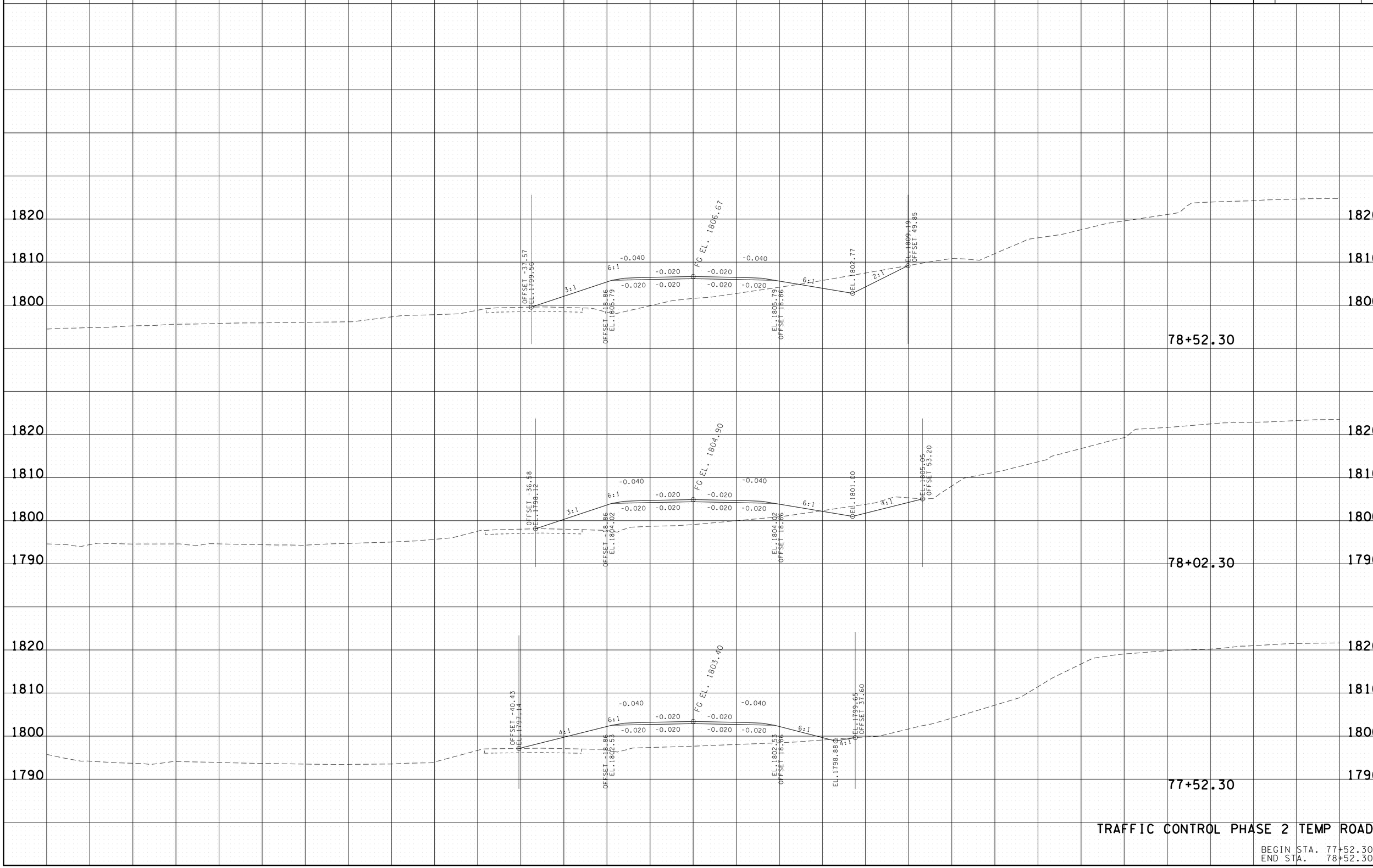
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP-101(16)	44



TRAFFIC CONTROL PHASE 2 TEMP ROAD

BEGIN STA. 77+52.30
END STA. 78+52.30

21-OCT-2014 07:15
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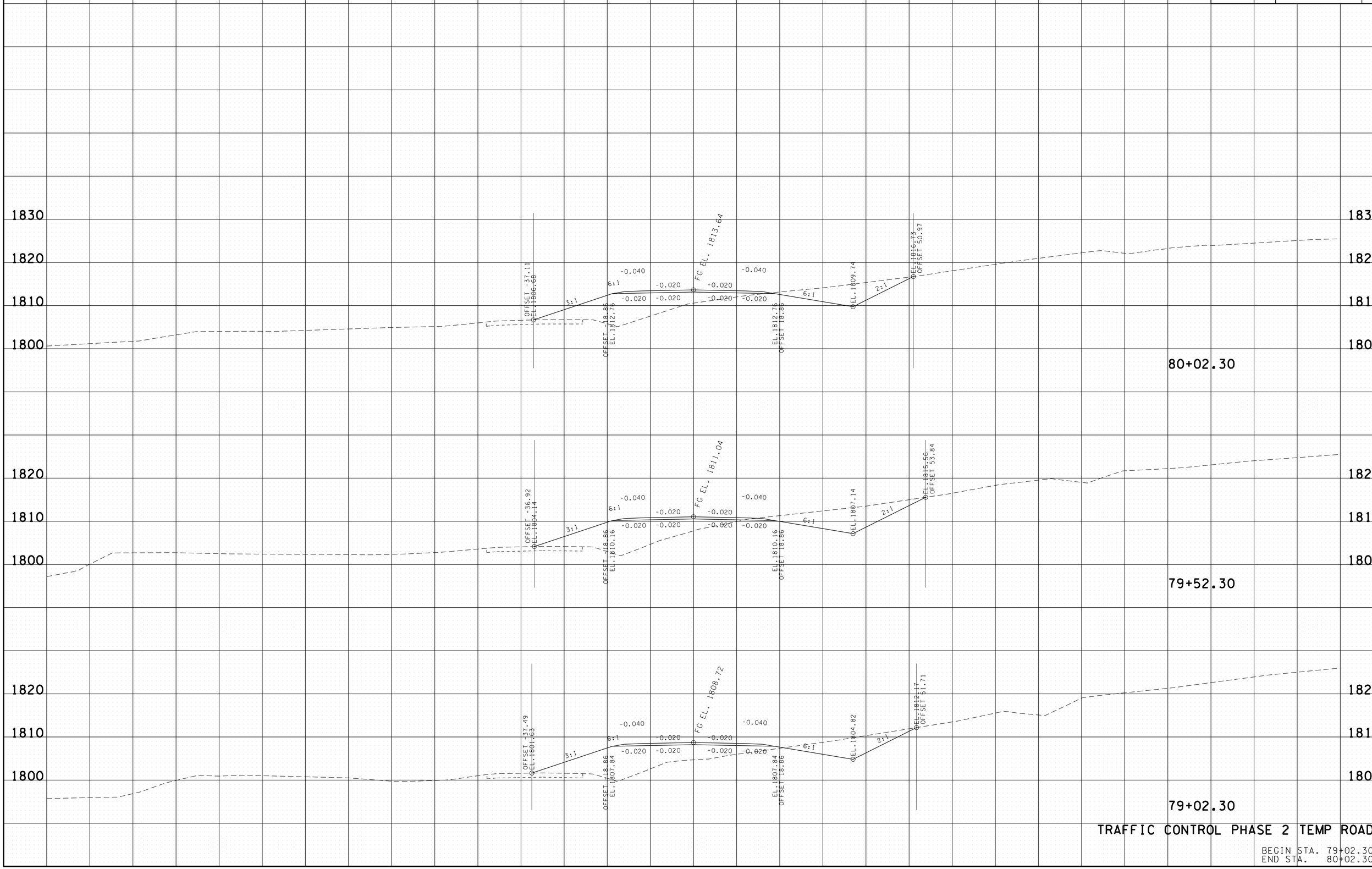
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP-101(16)	45



TRAFFIC CONTROL PHASE 2 TEMP ROAD

BEGIN STA. 79+02.30
END STA. 80+02.30

21-OCT-2014 07:15
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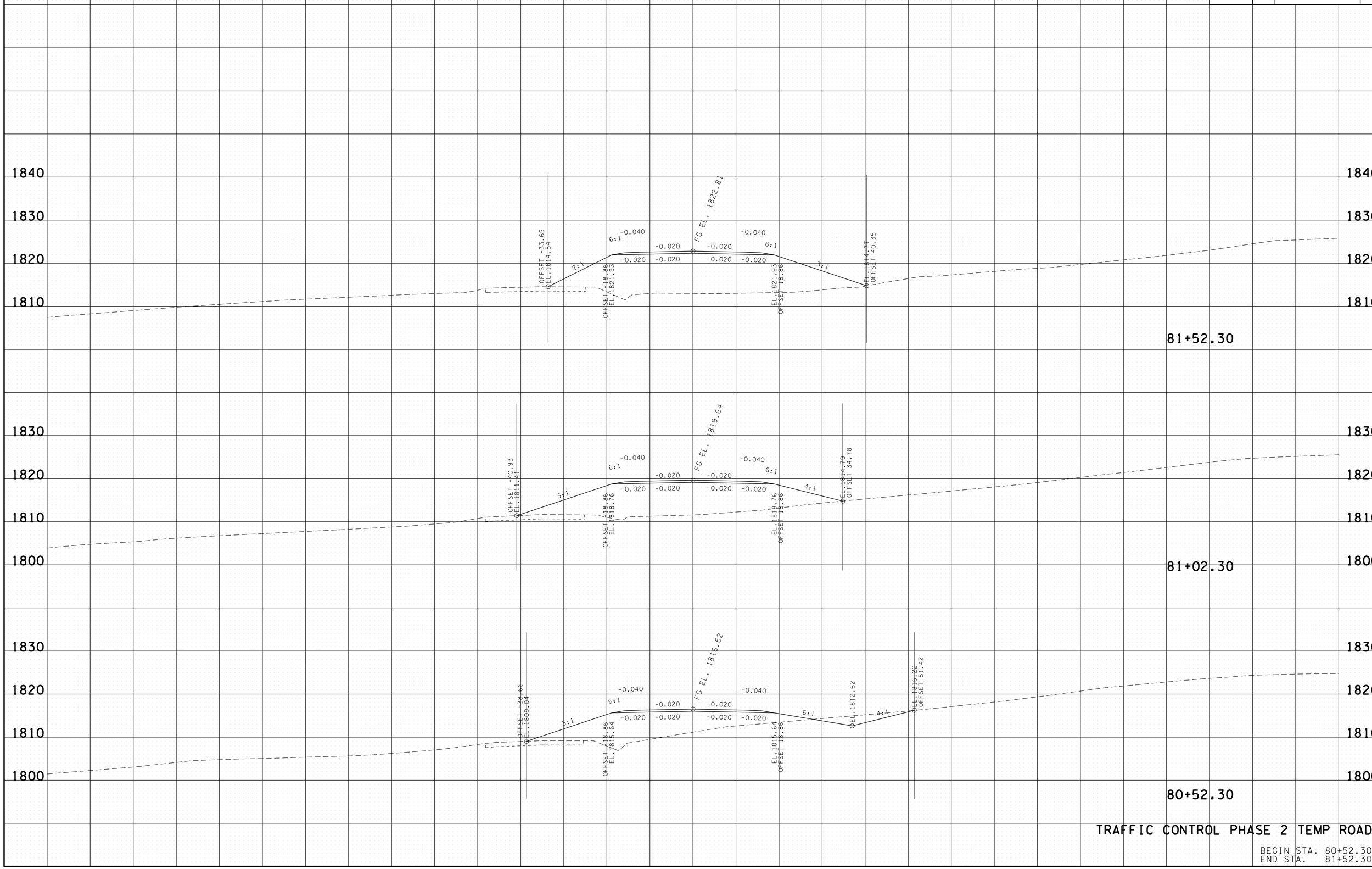
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP-101(16)	46



TRAFFIC CONTROL PHASE 2 TEMP ROAD

BEGIN STA. 80+52.30
END STA. 81+52.30

21-OCT-2014 07:15
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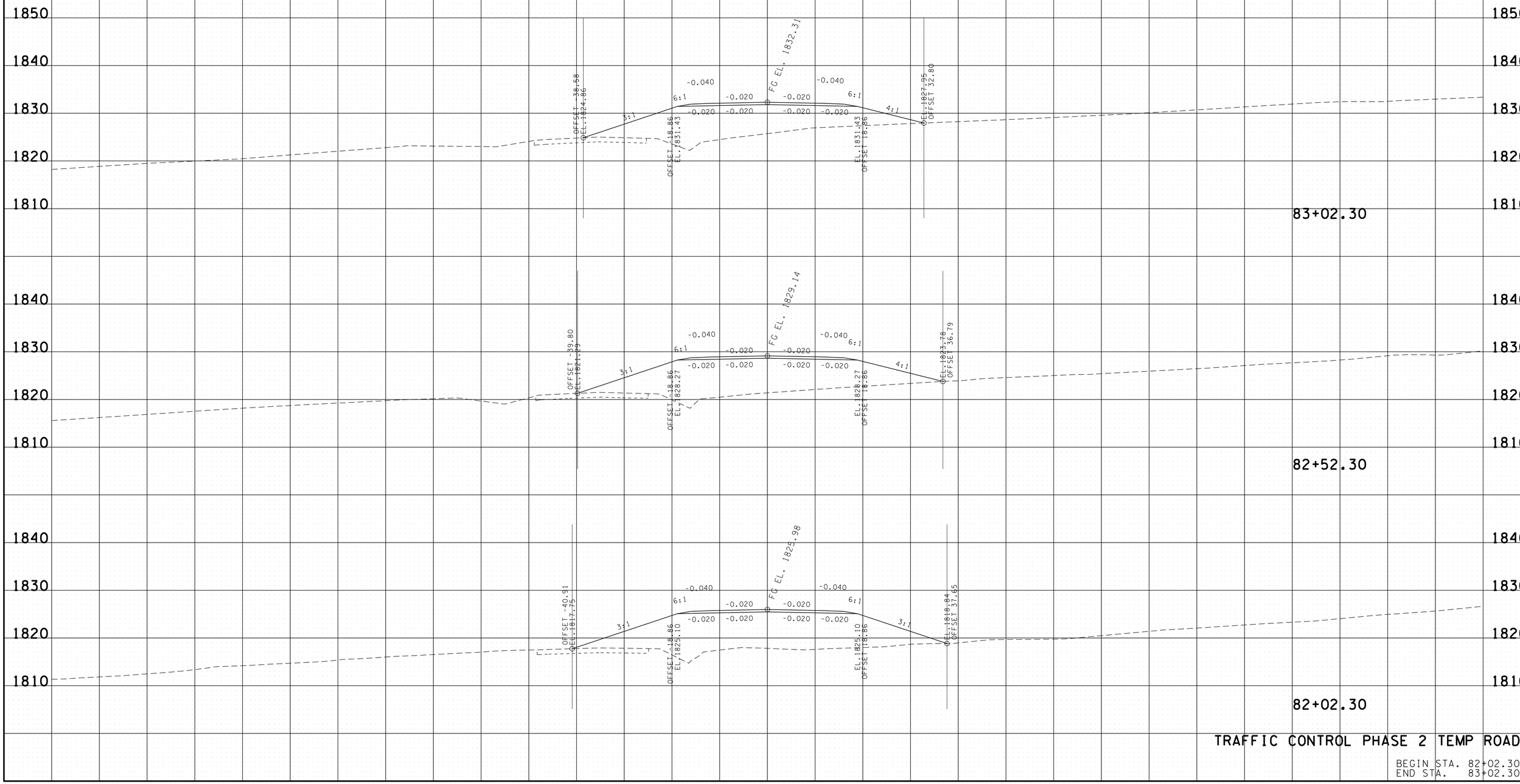
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP-101(16)	47



TRAFFIC CONTROL PHASE 2 TEMP ROAD

BEGIN STA. 82+02.30
END STA. 83+02.30

21-OCT-2014 07:15
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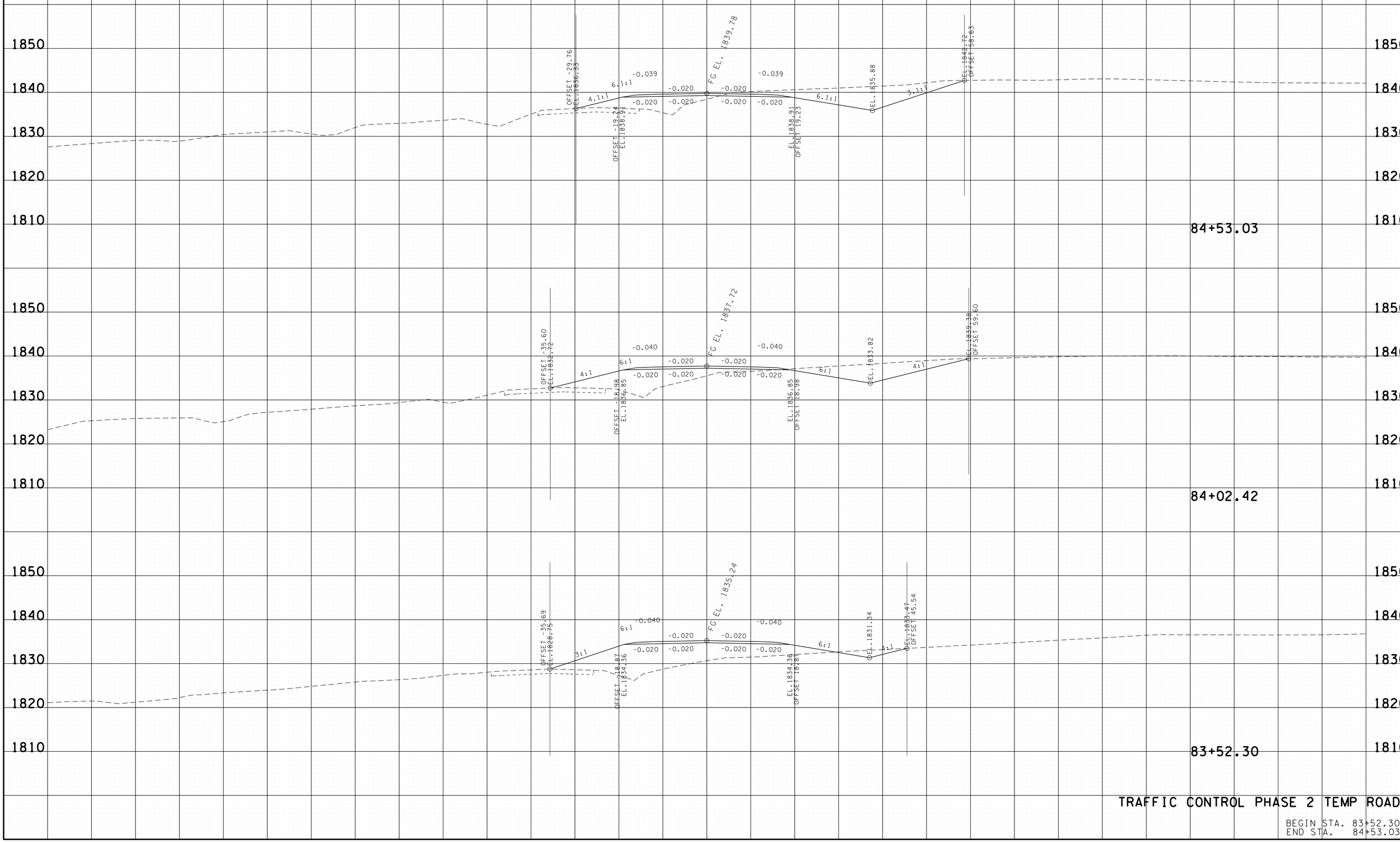
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP-101(16)	48



TRAFFIC CONTROL PHASE 2 TEMP ROAD

BEGIN STA. 83+52.30
END STA. 84+53.03

21-OCT-2014 07:15
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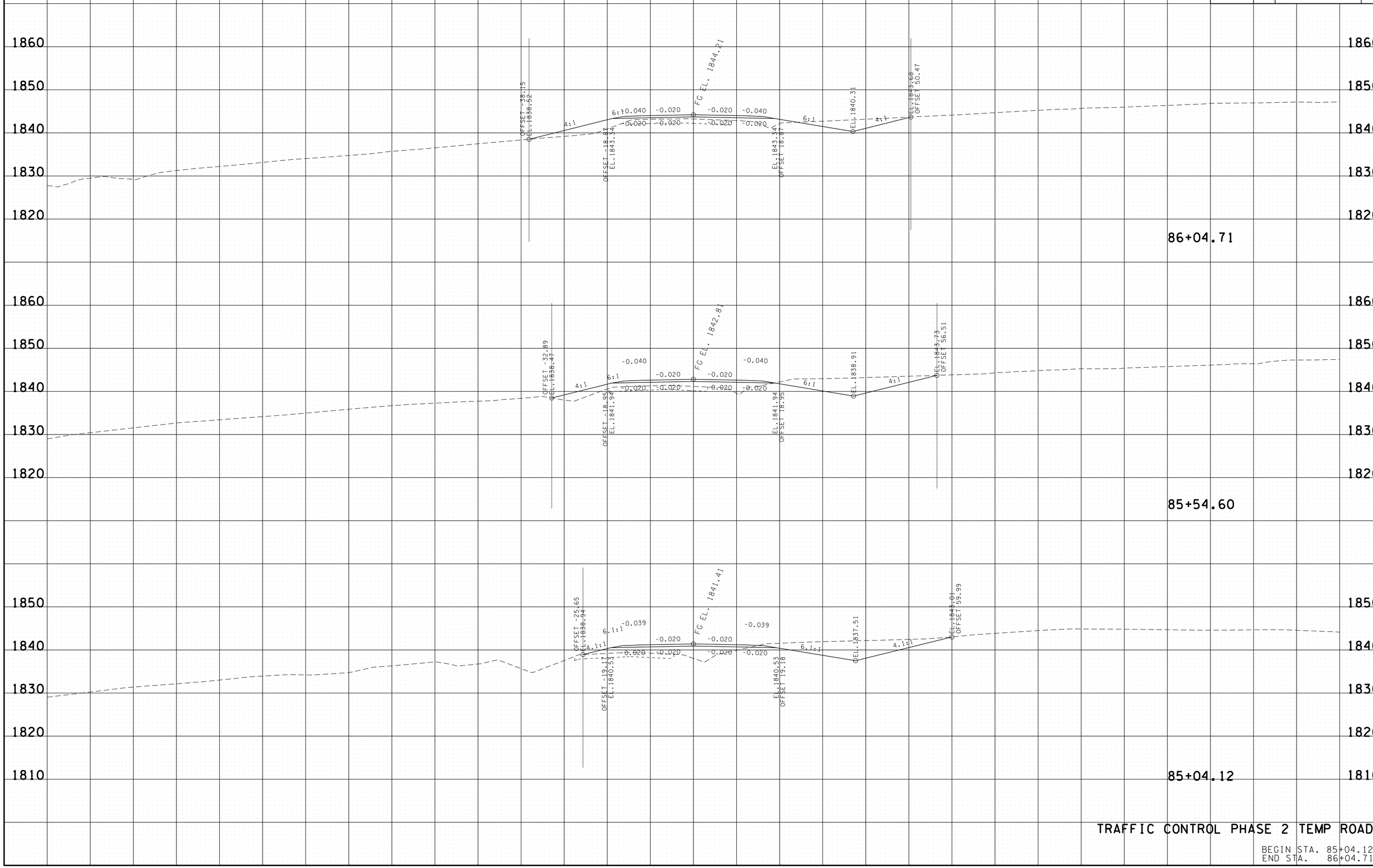
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP-101(16)	49



TRAFFIC CONTROL PHASE 2 TEMP ROAD

BEGIN STA. 85+04.12
END STA. 86+04.71

21-OCT-2014 07:15
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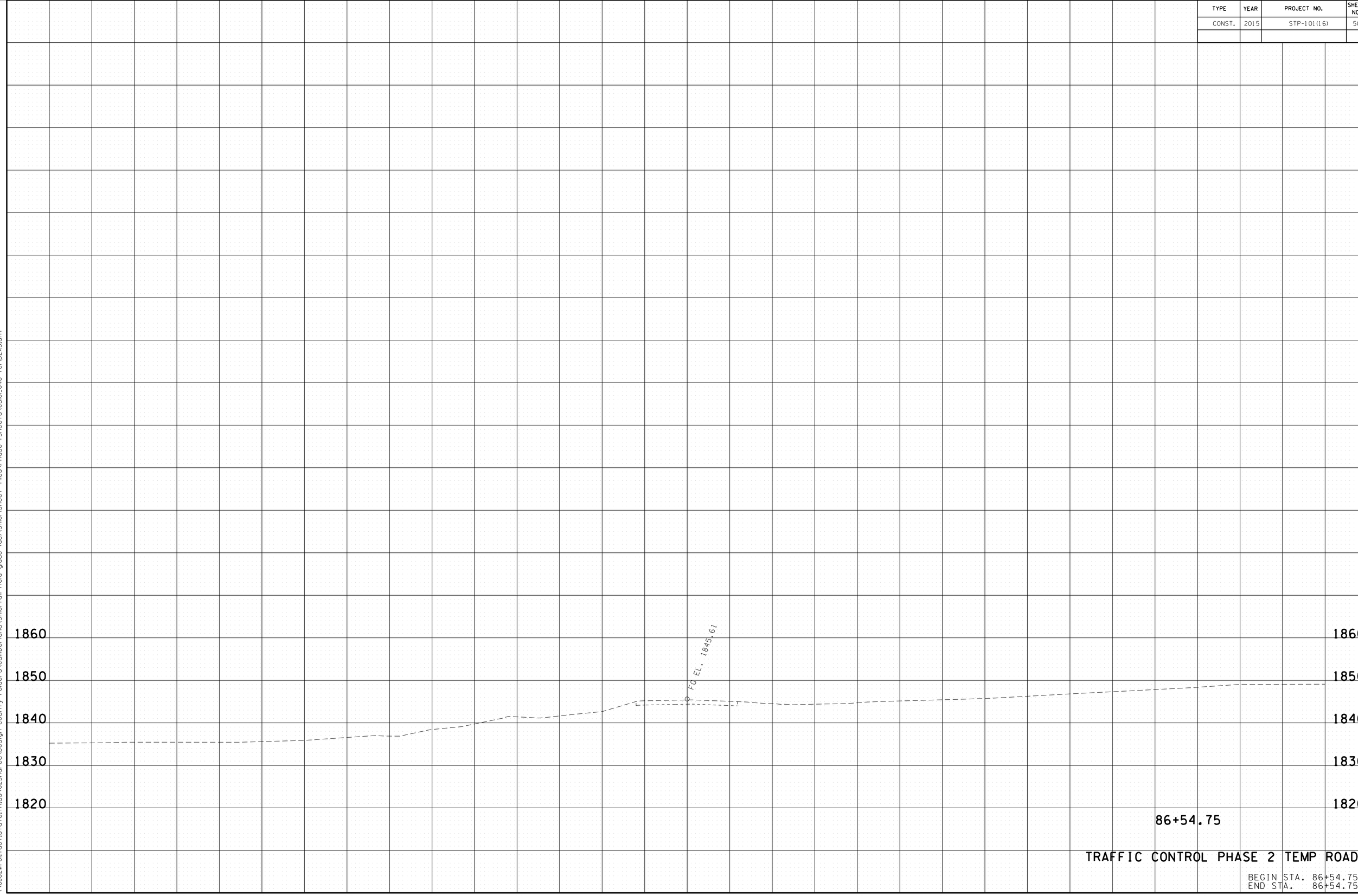
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP-101(16)	50



TRAFFIC CONTROL PHASE 2 TEMP ROAD

BEGIN STA. 86+54.75
END STA. 86+54.75

21-OCT-2014 07:15
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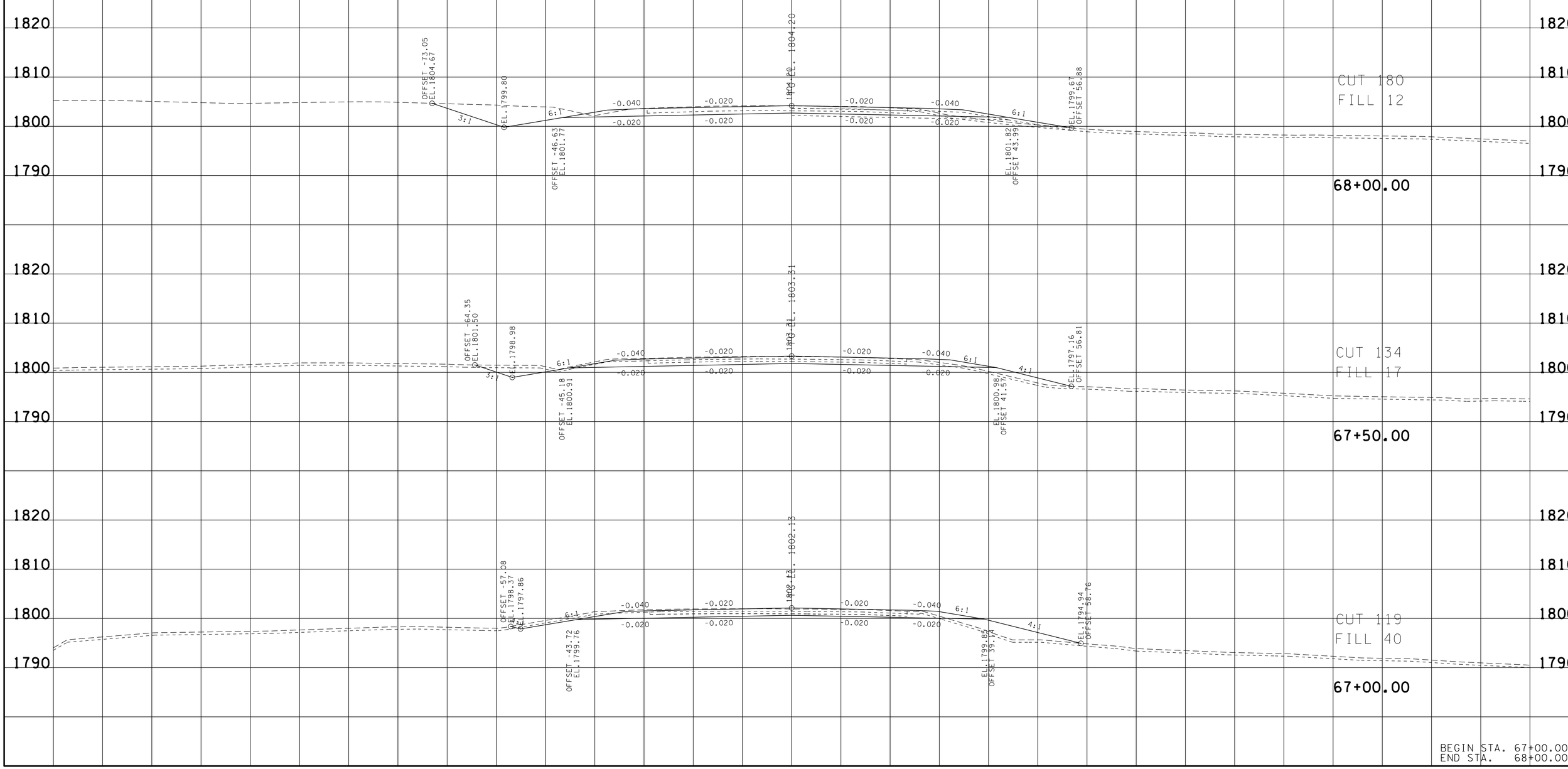
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	33
CONST.	2015	STP-101(16)	51

REV. 08-20-12 - UPDATED CROSS SECTIONS

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 67+00.00
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	34
CONST.	2015	STP-101(16)	52

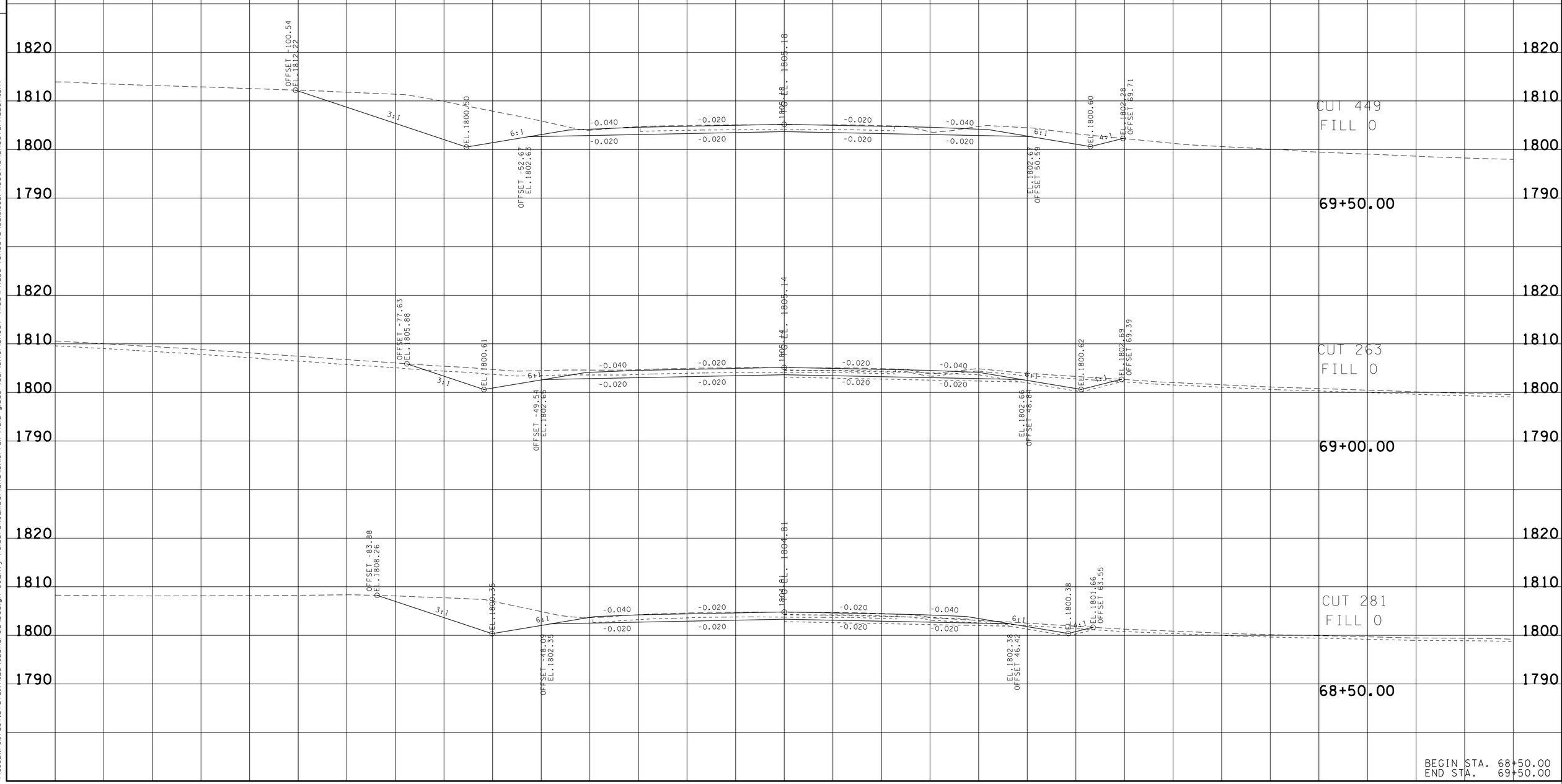
REV. 08-20-12 - UPDATED CROSS SECTIONS

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.

DESIGN DIVISION



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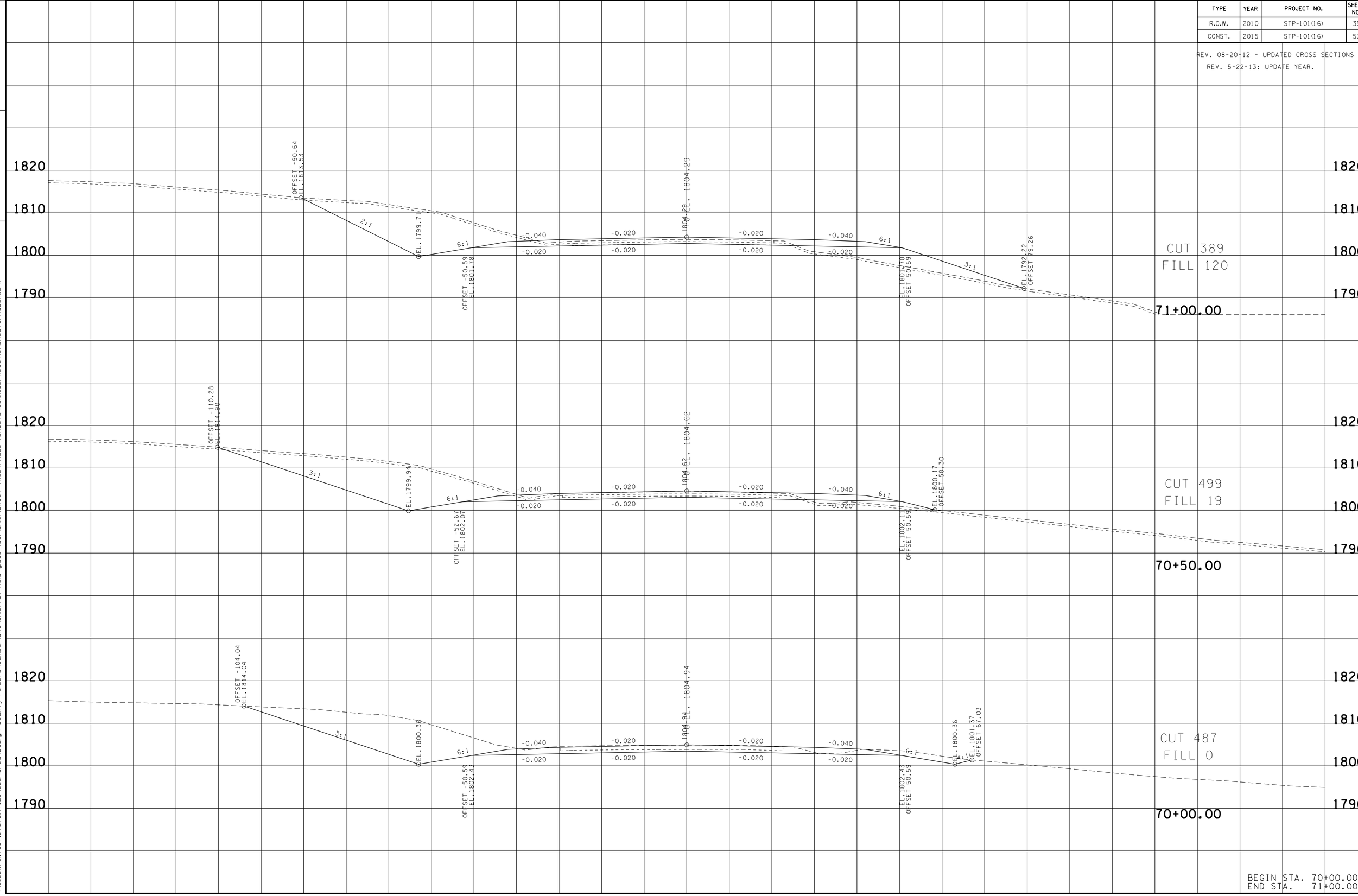
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	35
CONST.	2015	STP-101(16)	53

REV. 08-20-12 - UPDATED CROSS SECTIONS
REV. 5-22-13: UPDATE YEAR.

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



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	36
CONST.	2015	STP-101(16)	54

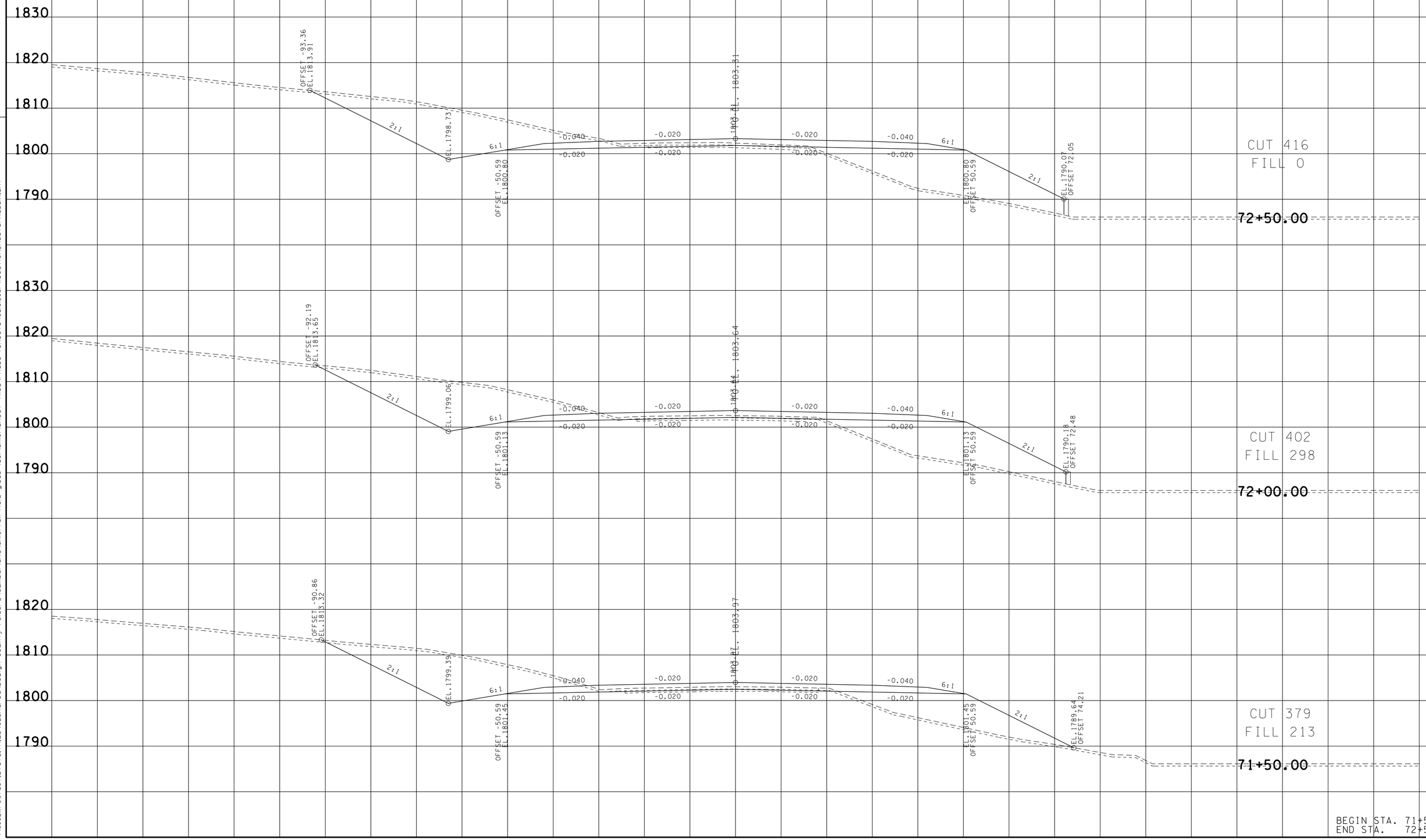
REV. 08-20-12 - UPDATED CROSS SECTIONS

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.

DESIGN DIVISION



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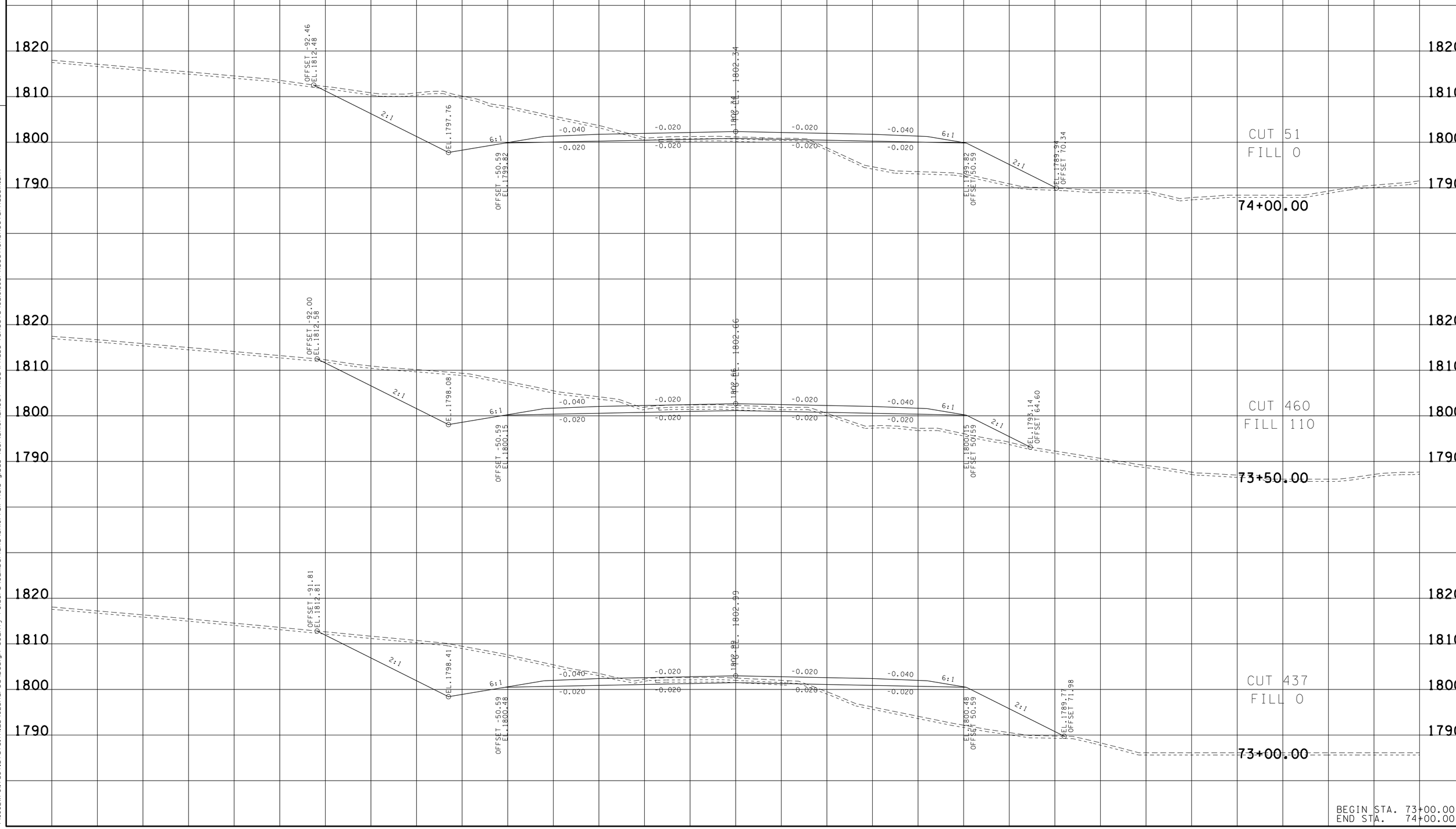
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	37
CONST.	2015	STP-101(16)	55

REV. 08-20-12 - UPDATED CROSS SECTIONS

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	38
CONST.	2015	STP-101(16)	56

REV. 08-20-12 - UPDATED CROSS SECTIONS

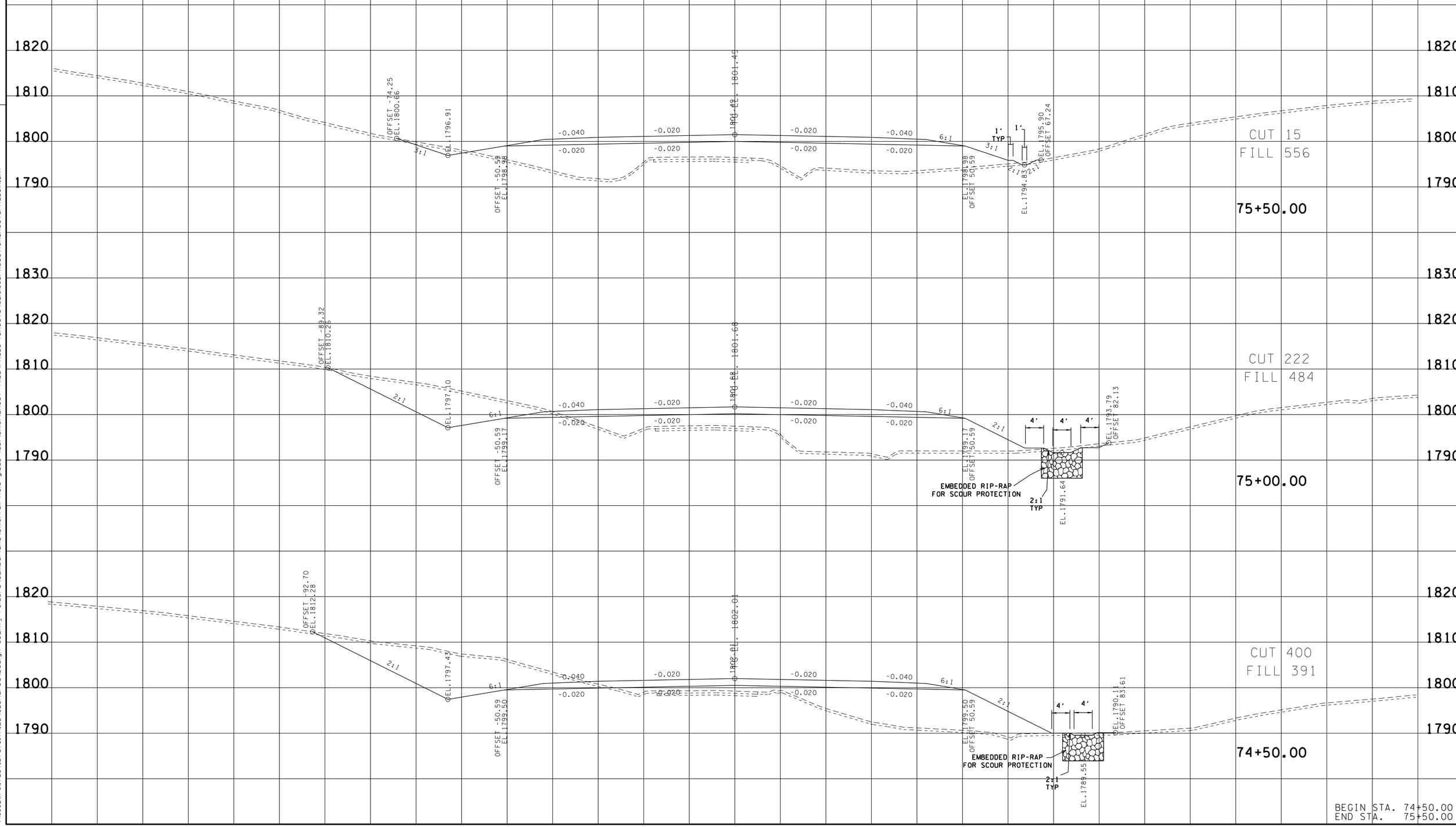
REV. 09-24-12 - UPDATED CROSS SECTIONS AT STA. 74+50 TO 80+50

REV. 10-29-12 - REMOVED GRADED SOLID ROCK FROM PREVIOUS STR-1B PER ENV. REQ.

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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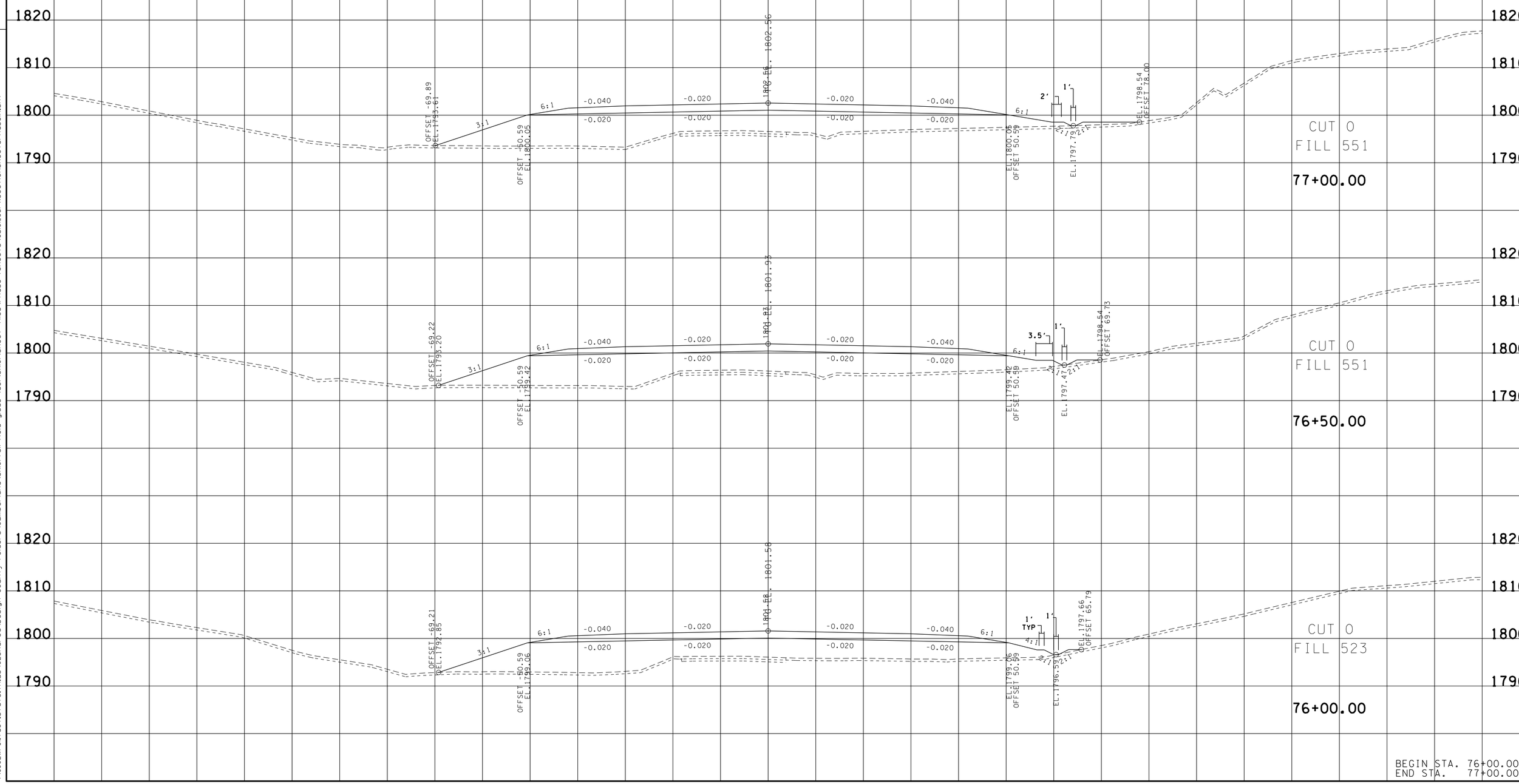
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	39
CONST.	2015	STP-101(16)	57

REV. 08-20-12 - UPDATED CROSS SECTIONS

REV. 09-24-12 - UPDATED CROSS SECTIONS AT STA. 74+50 TO 80+50

REV. 10-29-12 - REMOVED GRADED SOLID ROCK FROM PREVIOUS STR-1B PER ENV. REQ.

REV. 5-22-13: UPDATE YEAR.



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TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	40
CONST.	2015	STP-101(16)	58

REV. 08-20-12 - UPDATED CROSS SECTIONS

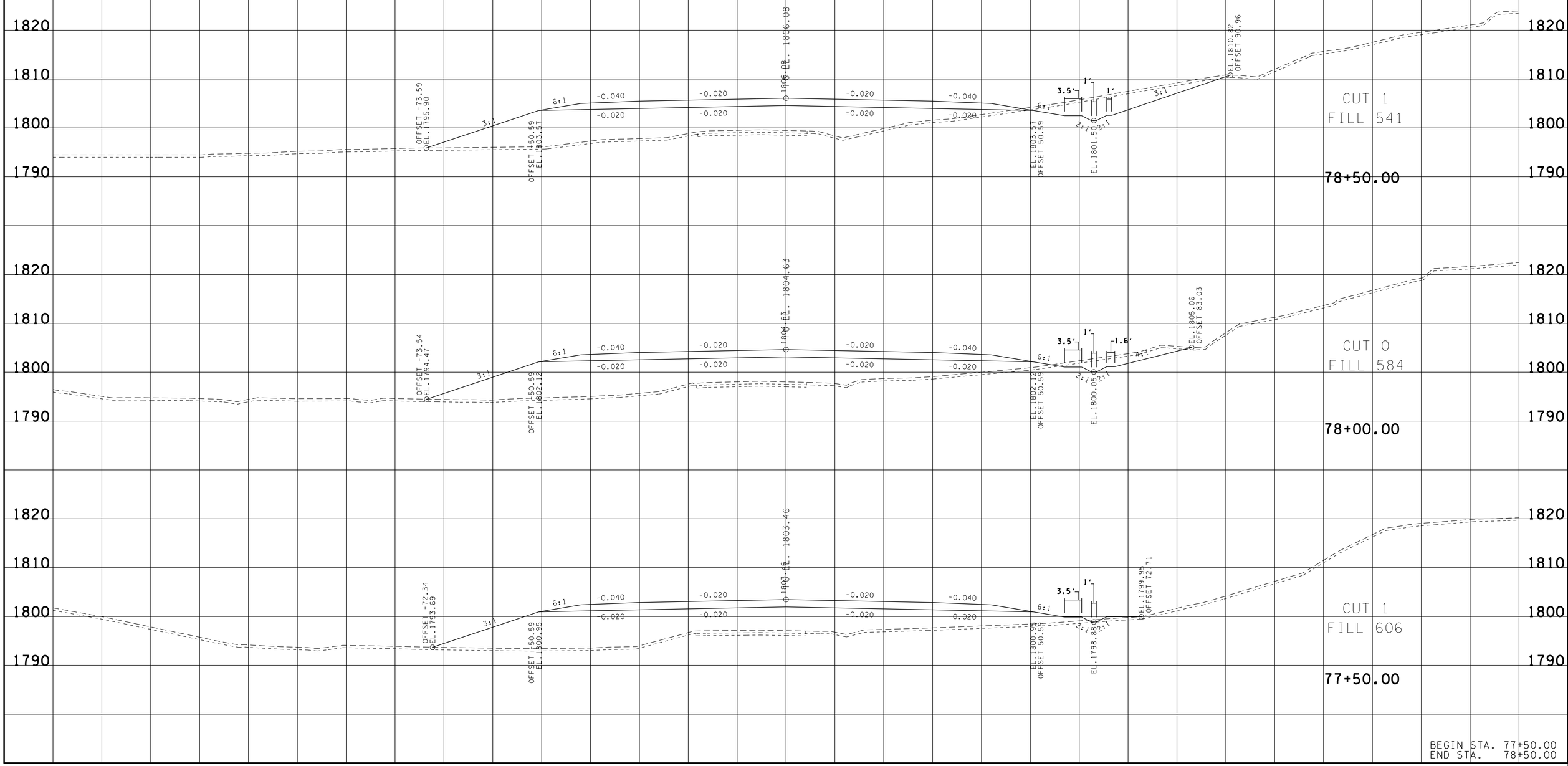
REV. 09-24-12 - UPDATED CROSS SECTIONS AT STA. 74+50 TO 80+50

REV. 10-29-12 - REMOVED GRADED SOLID ROCK FROM PREVIOUS STR-1B PER ENV. REQ.

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	41
CONST.	2015	STP-101(16)	59

REV. 08-20-12 - UPDATED CROSS SECTIONS

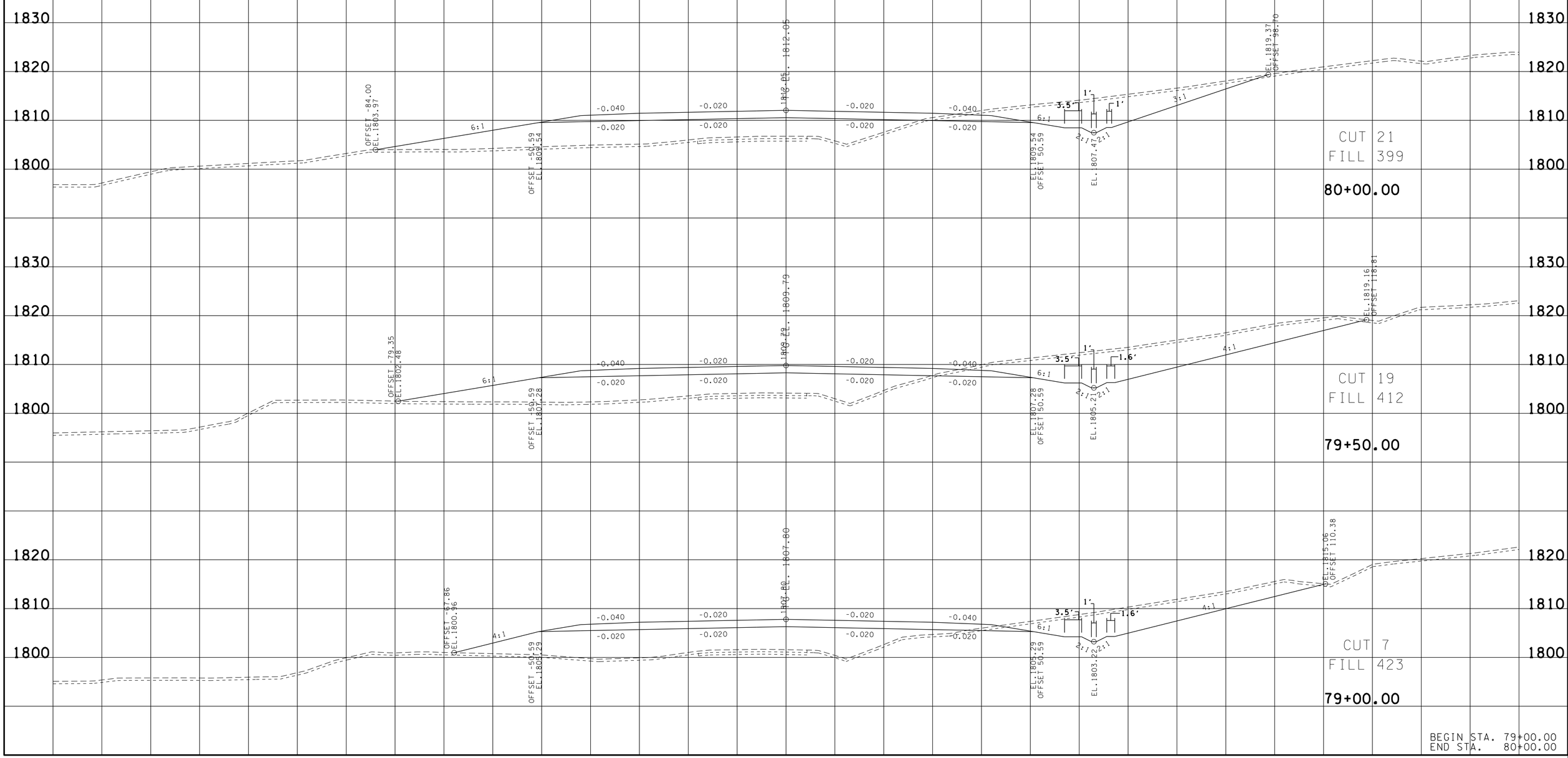
REV. 09-24-12 - UPDATED CROSS SECTIONS AT STA. 74+50 TO 80+50

REV. 10-29-12 - REMOVED GRADED SOLID ROCK FROM PREVIOUS STR-1B PER ENV. REQ.

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	42
CONST.	2015	STP-101(16)	60

REV. 08-20-12 - UPDATED CROSS SECTIONS

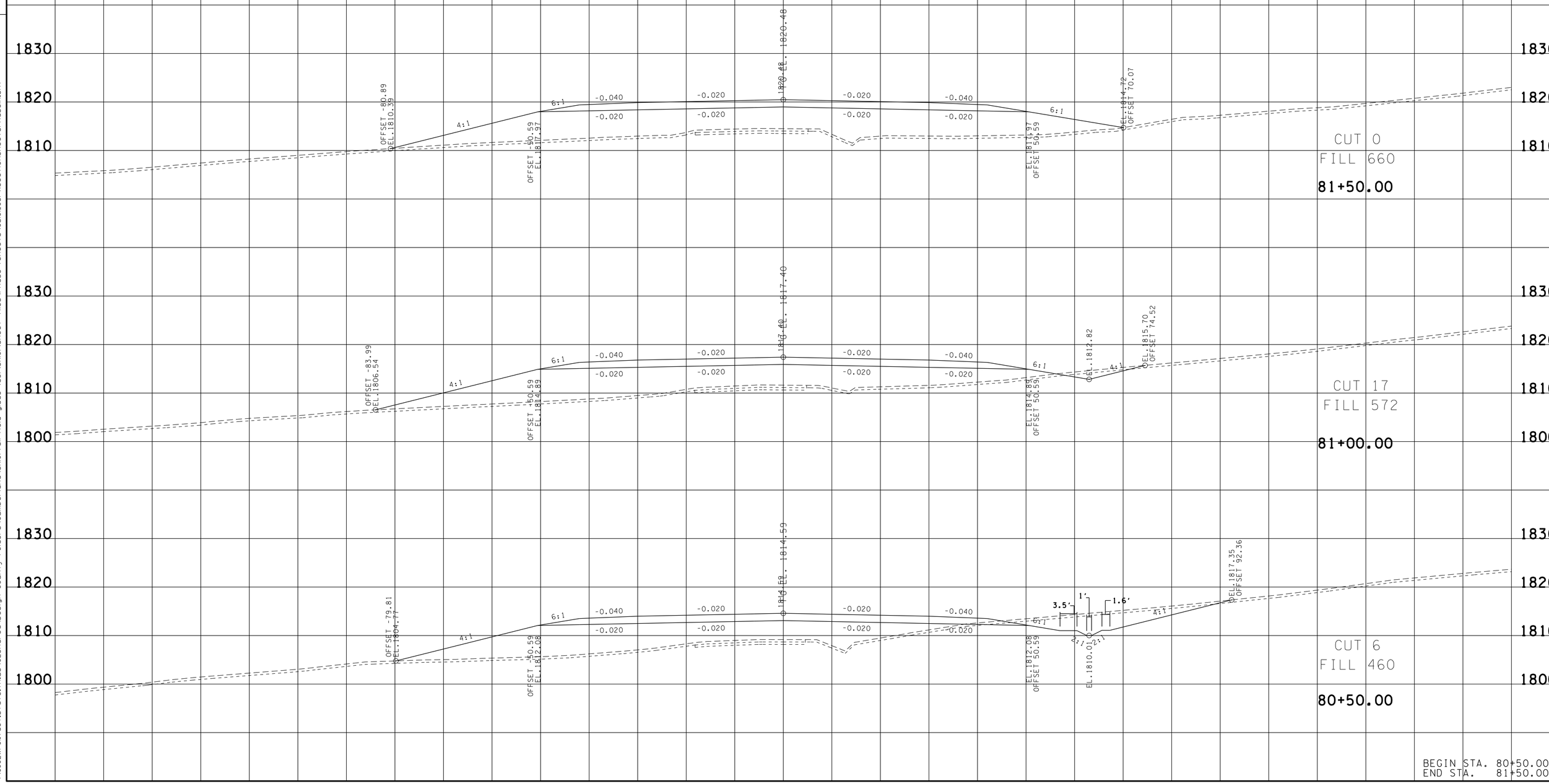
REV. 09-24-12 - UPDATED CROSS SECTIONS AT STA. 74+50 TO 80+50

REV. 10-29-12 - REMOVED GRADED SOLID ROCK FROM PREVIOUS STR-1B PER ENV. REQ.

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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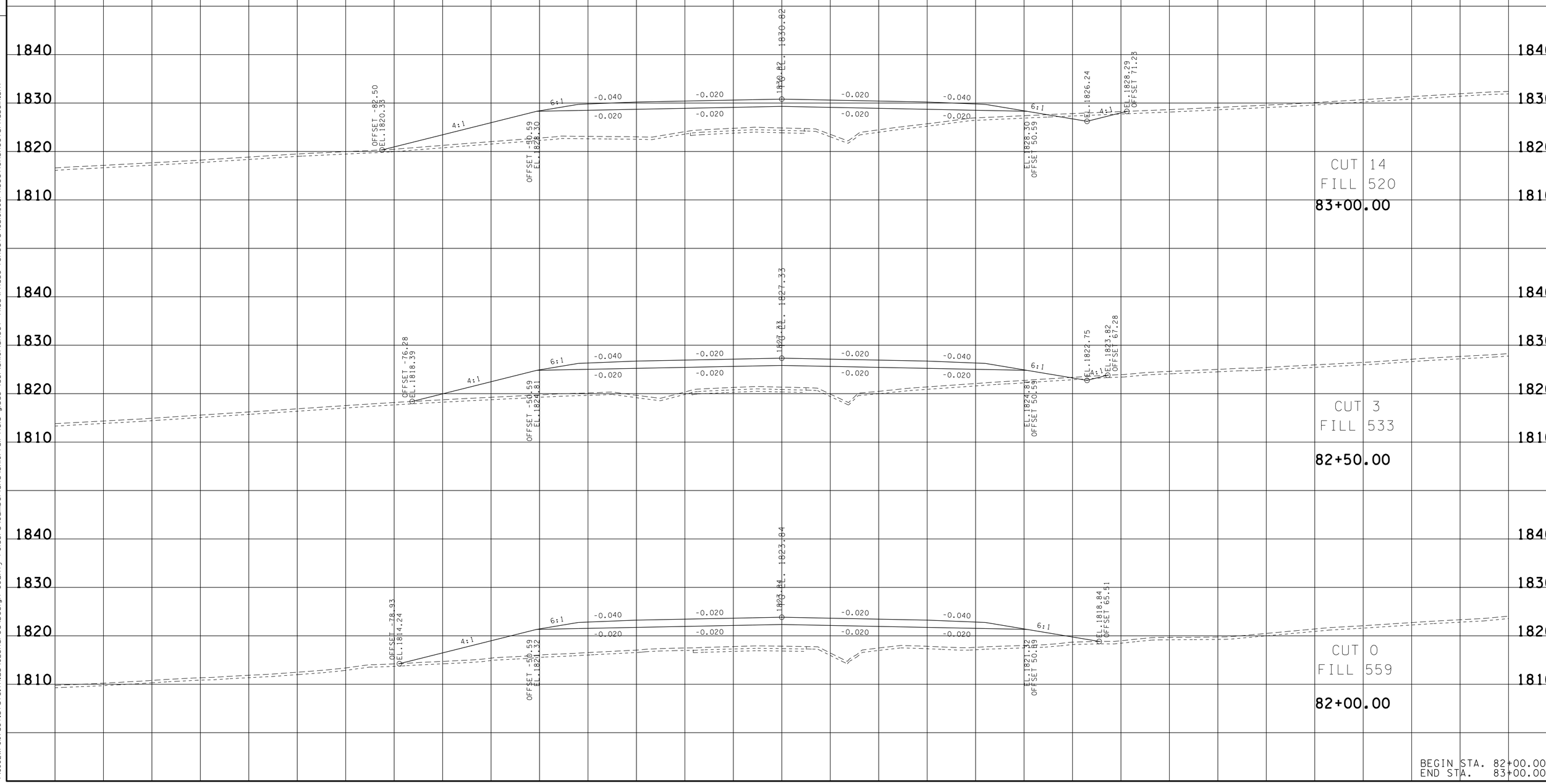
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	43
CONST.	2015	STP-101(16)	61

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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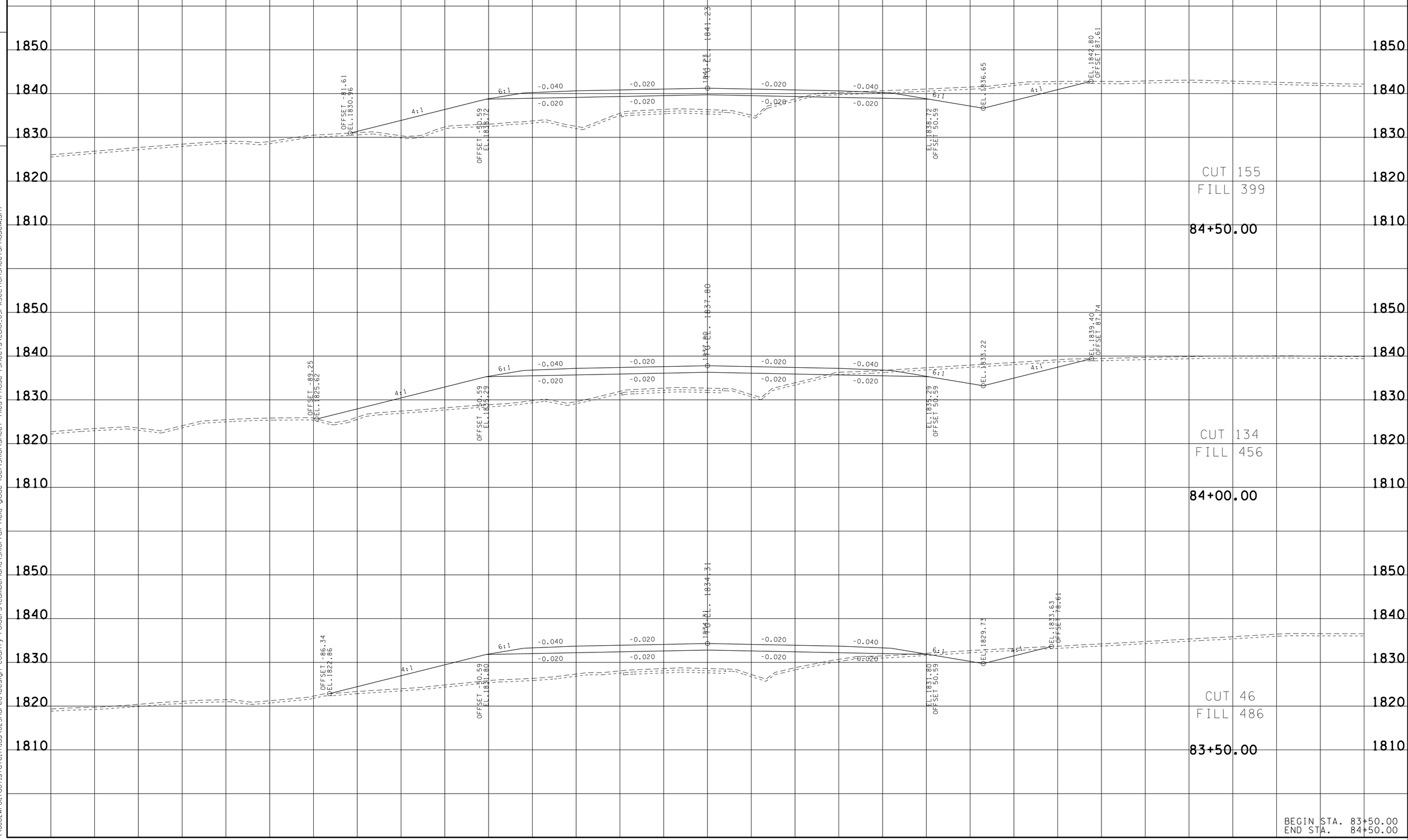
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	44
CONST.	2015	STP-101(16)	62

REV. 5-22-13: UPDATE YEAR.

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



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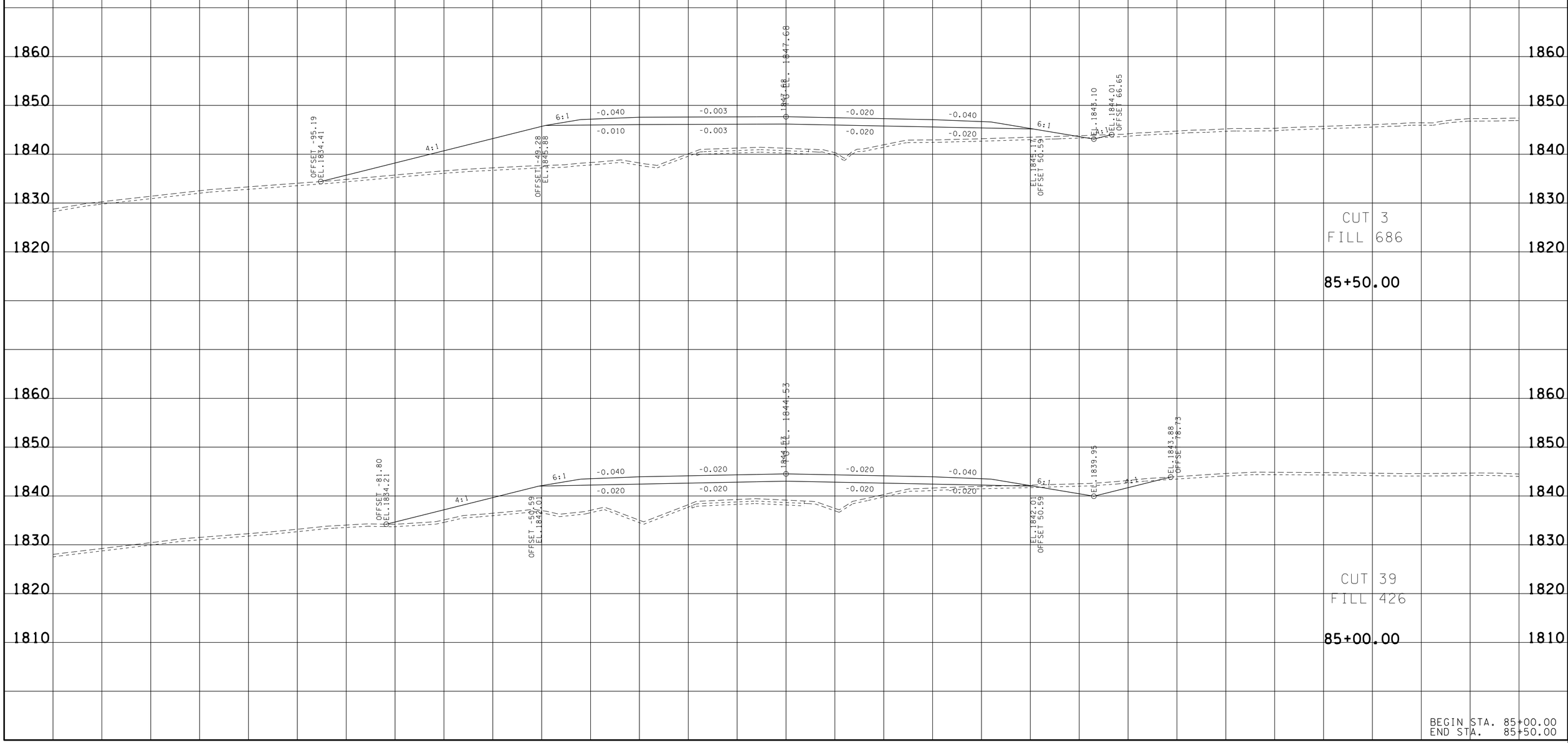
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	45
CONST.	2015	STP-101(16)	63

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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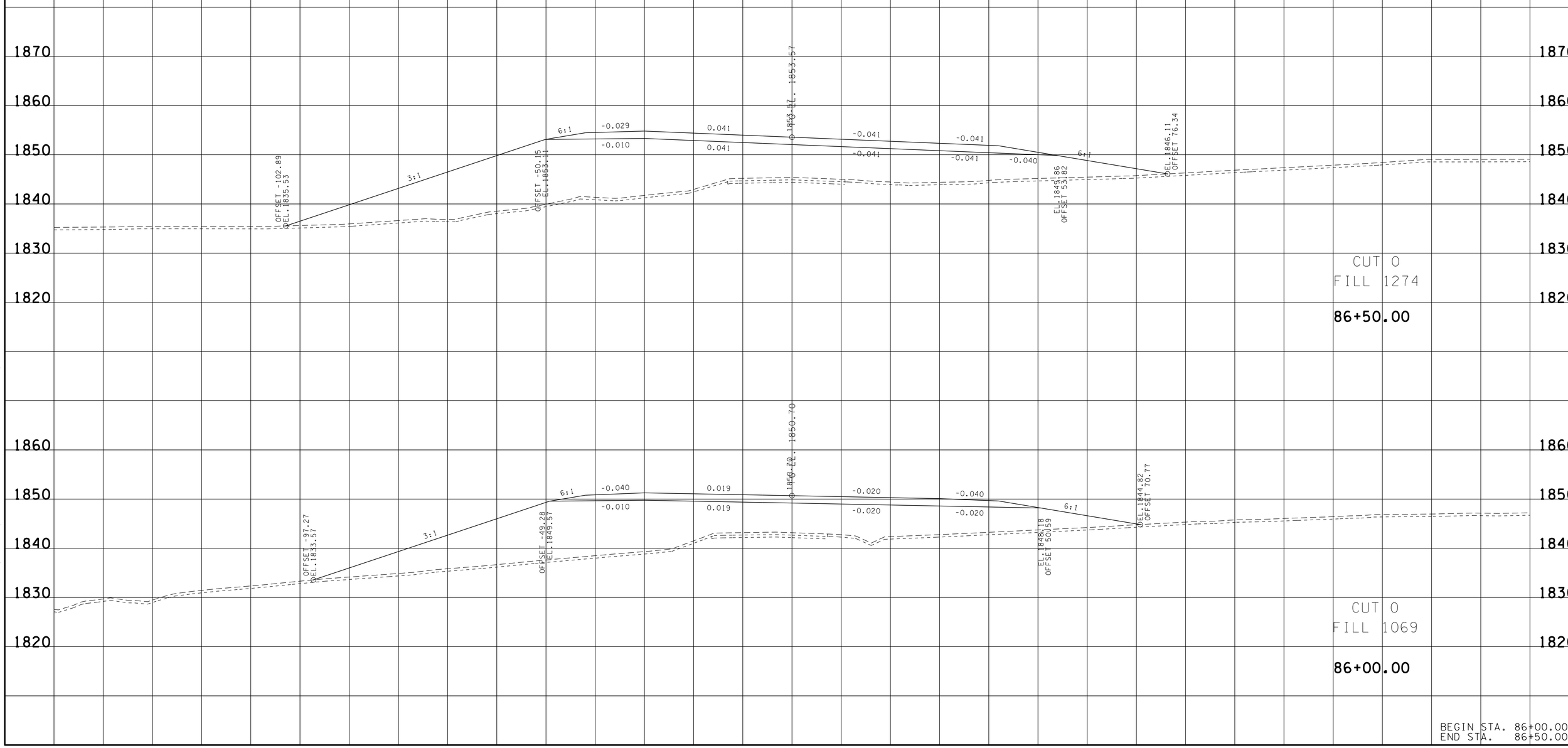
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	46
CONST.	2015	STP-101(16)	64

REV. 5-22-13: UPDATE YEAR.

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



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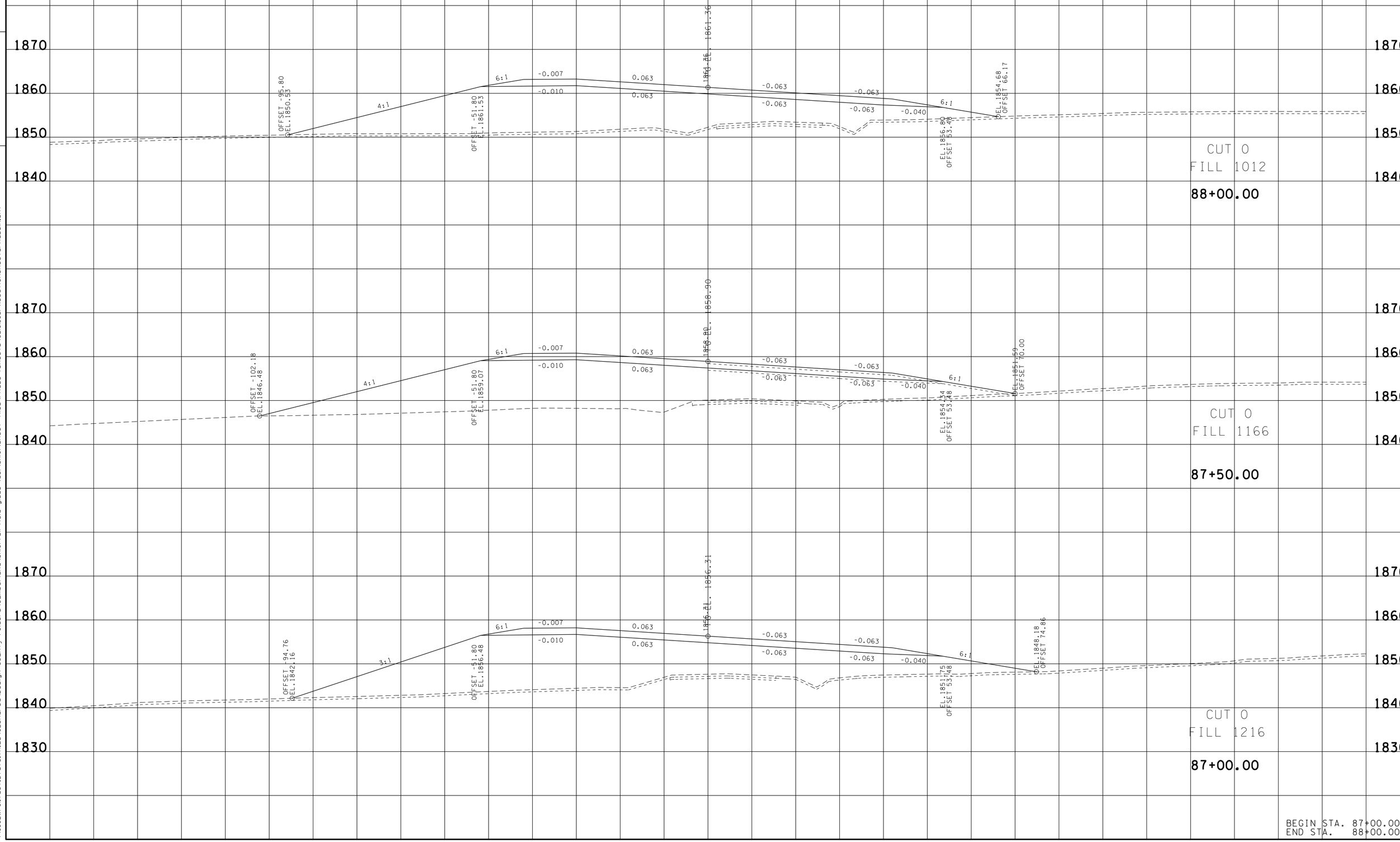
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	47
CONST.	2015	STP-101(16)	65

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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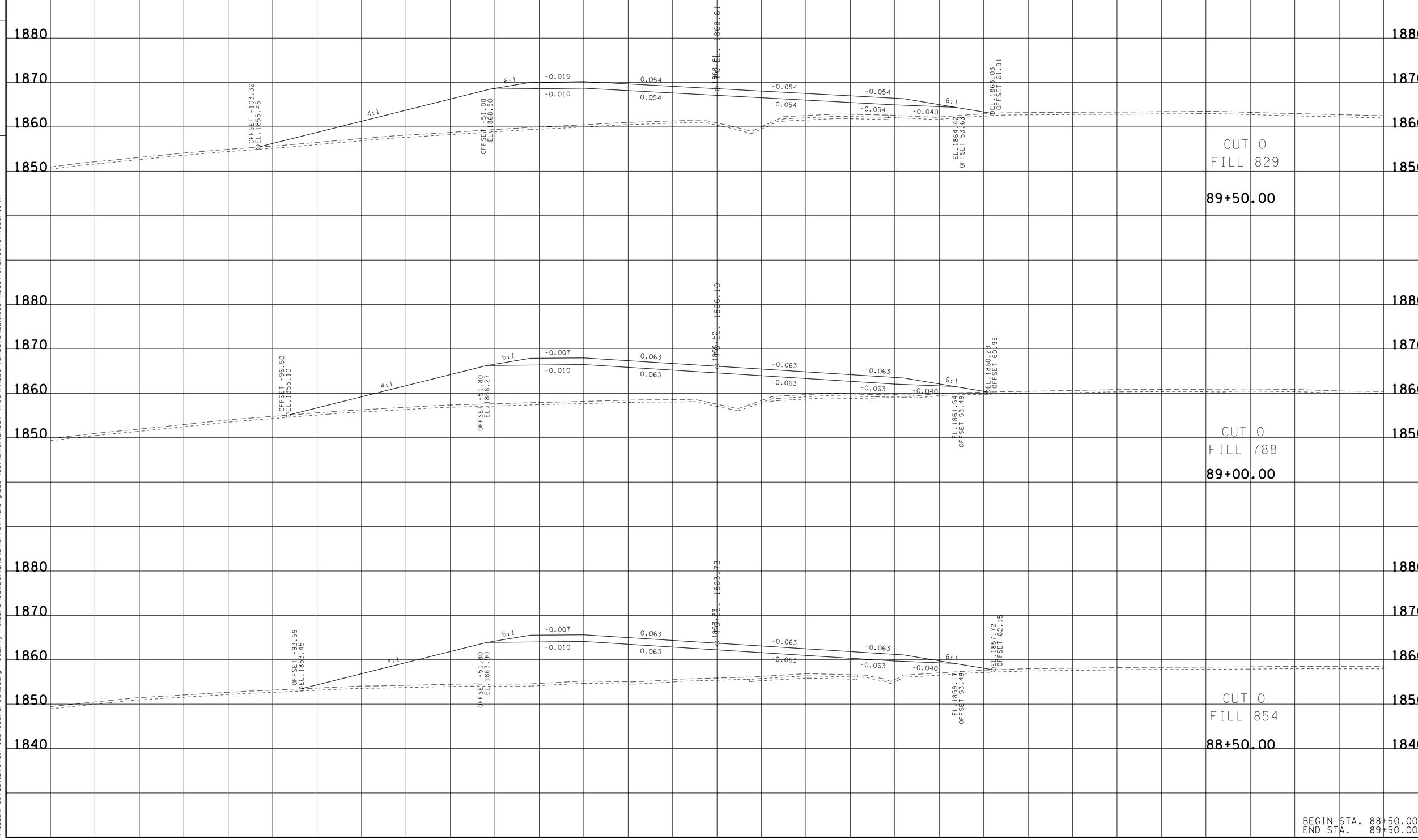
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	48
CONST.	2015	STP-101(16)	66

REV. 09-24-12 - UPDATED CROSS SECTIONS
REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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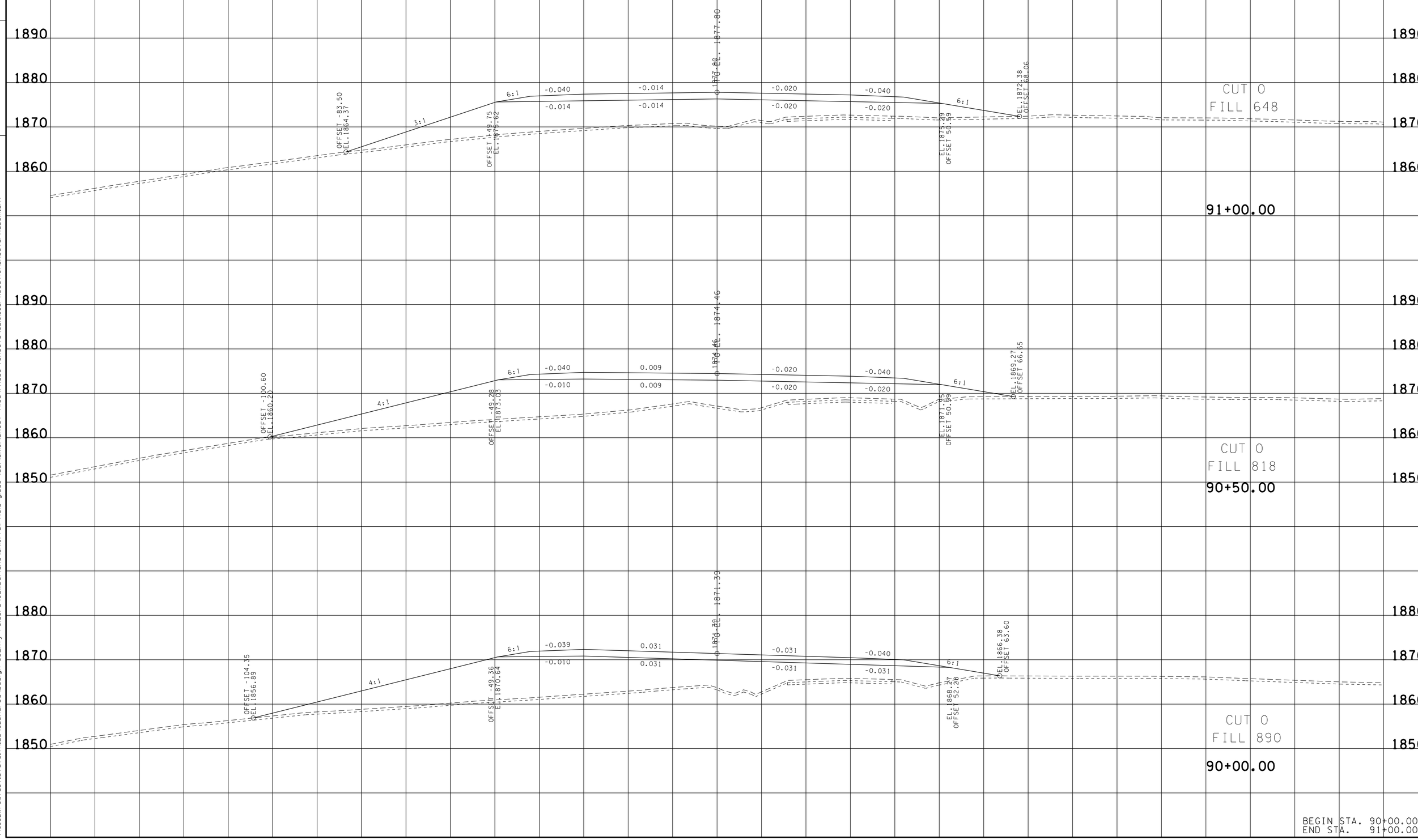
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	49
CONST.	2015	STP-101(16)	67

REV. 09-24-12 - UPDATED CROSS SECTIONS
REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	50
CONST.	2015	STP-101(16)	68

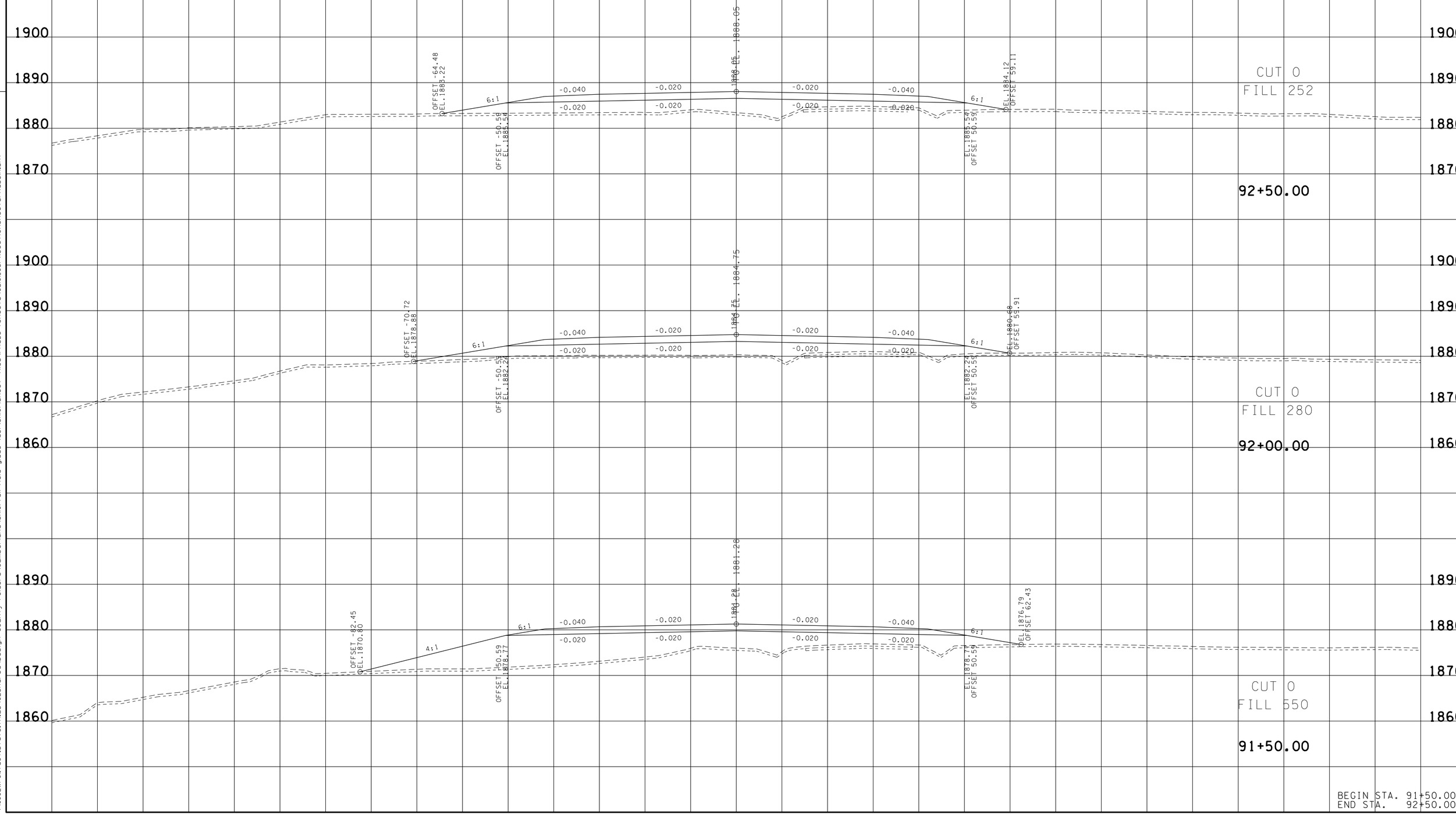
REV. 09-24-12 - UPDATED CROSS SECTIONS

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.

DESIGN DIVISION



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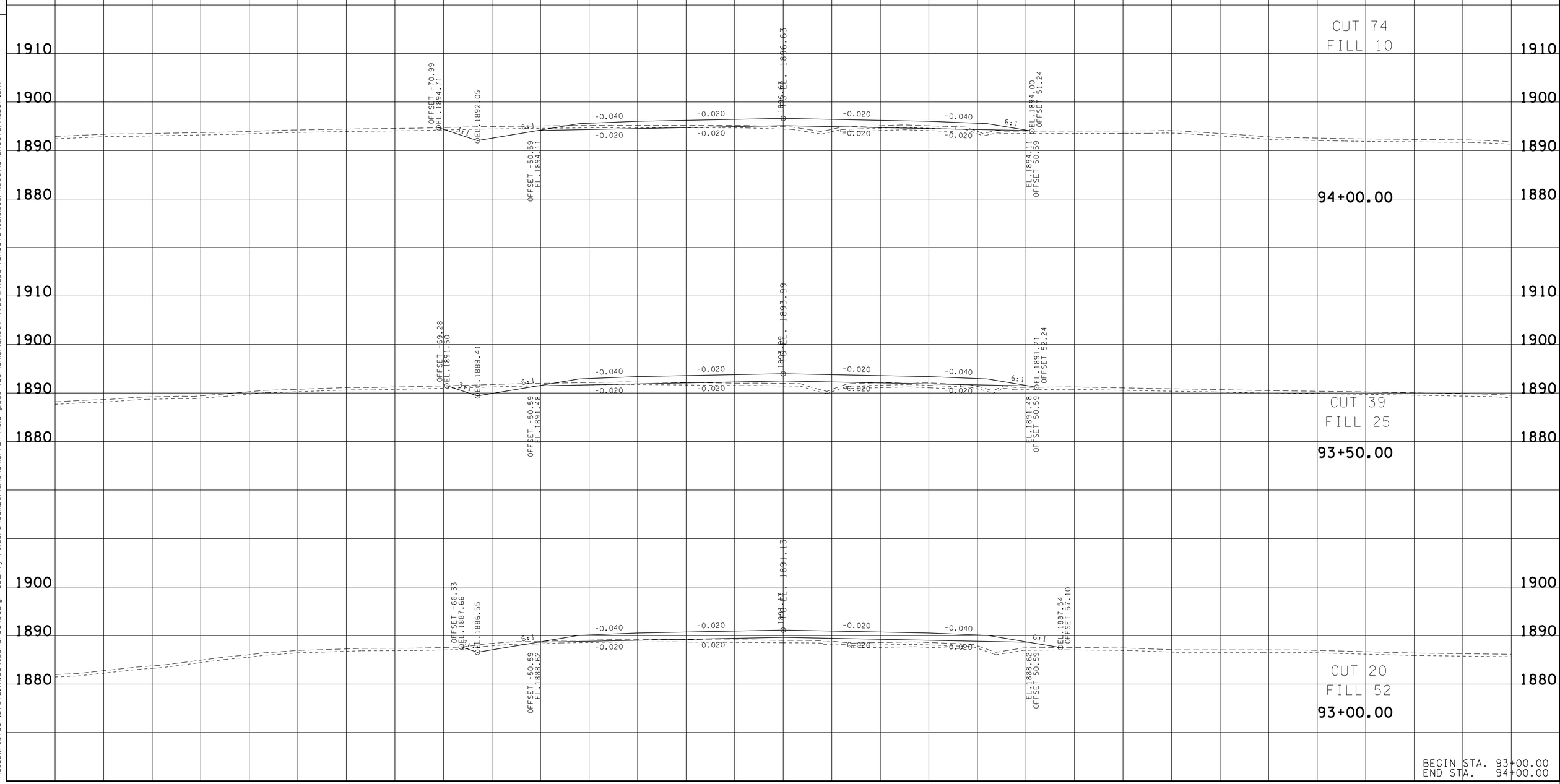
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	51
CONST.	2015	STP-101(16)	69

REV. 09-24-12 - UPDATED CROSS SECTIONS

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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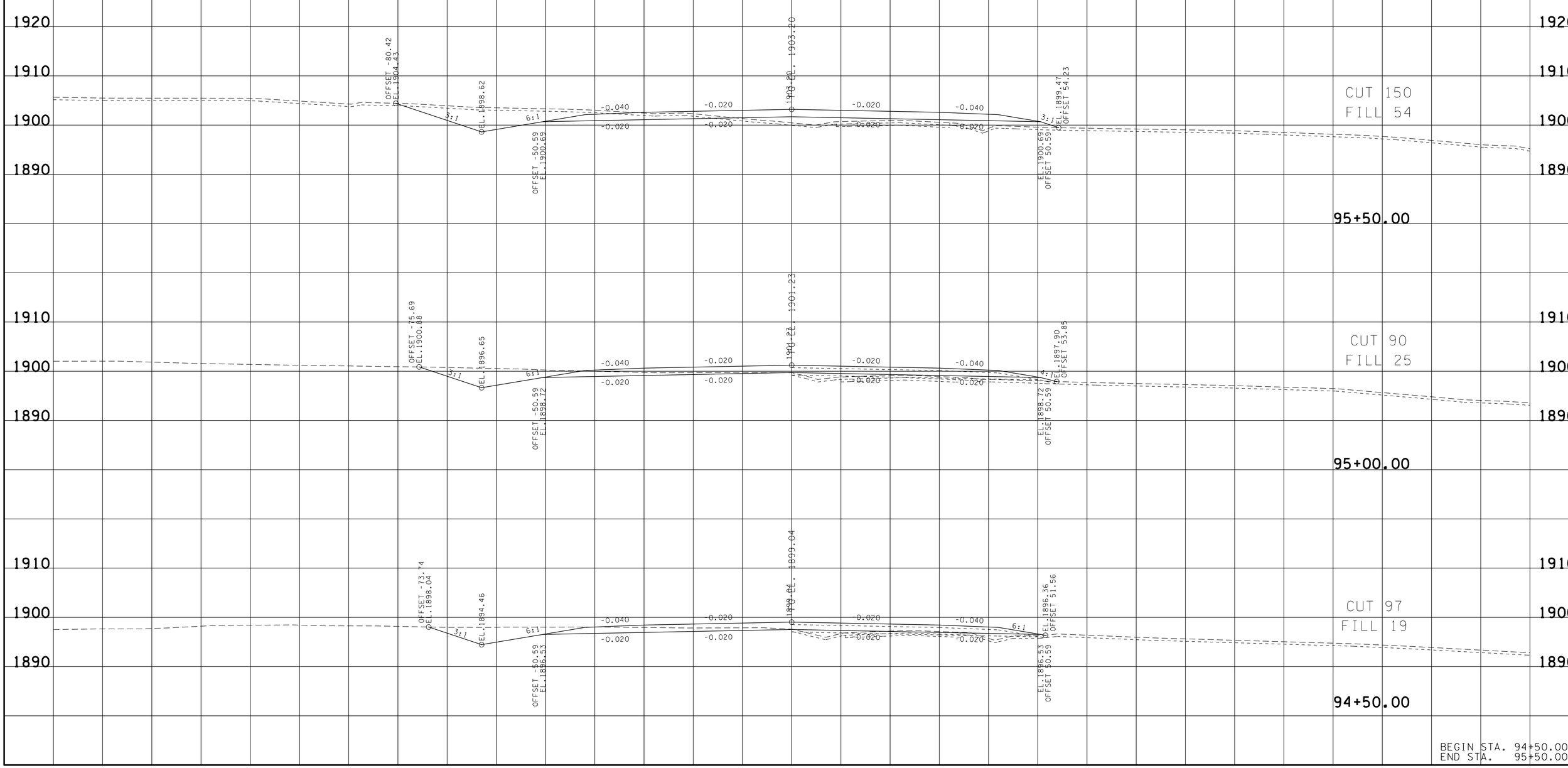
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	52
CONST.	2015	STP-101(16)	70

REV. 09-24-12 - UPDATED CROSS SECTIONS
REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	53
CONST.	2015	STP-101(16)	71

REV. 09-24-12 - UPDATED CROSS SECTIONS
REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION

BEGIN STA. 96+00.00
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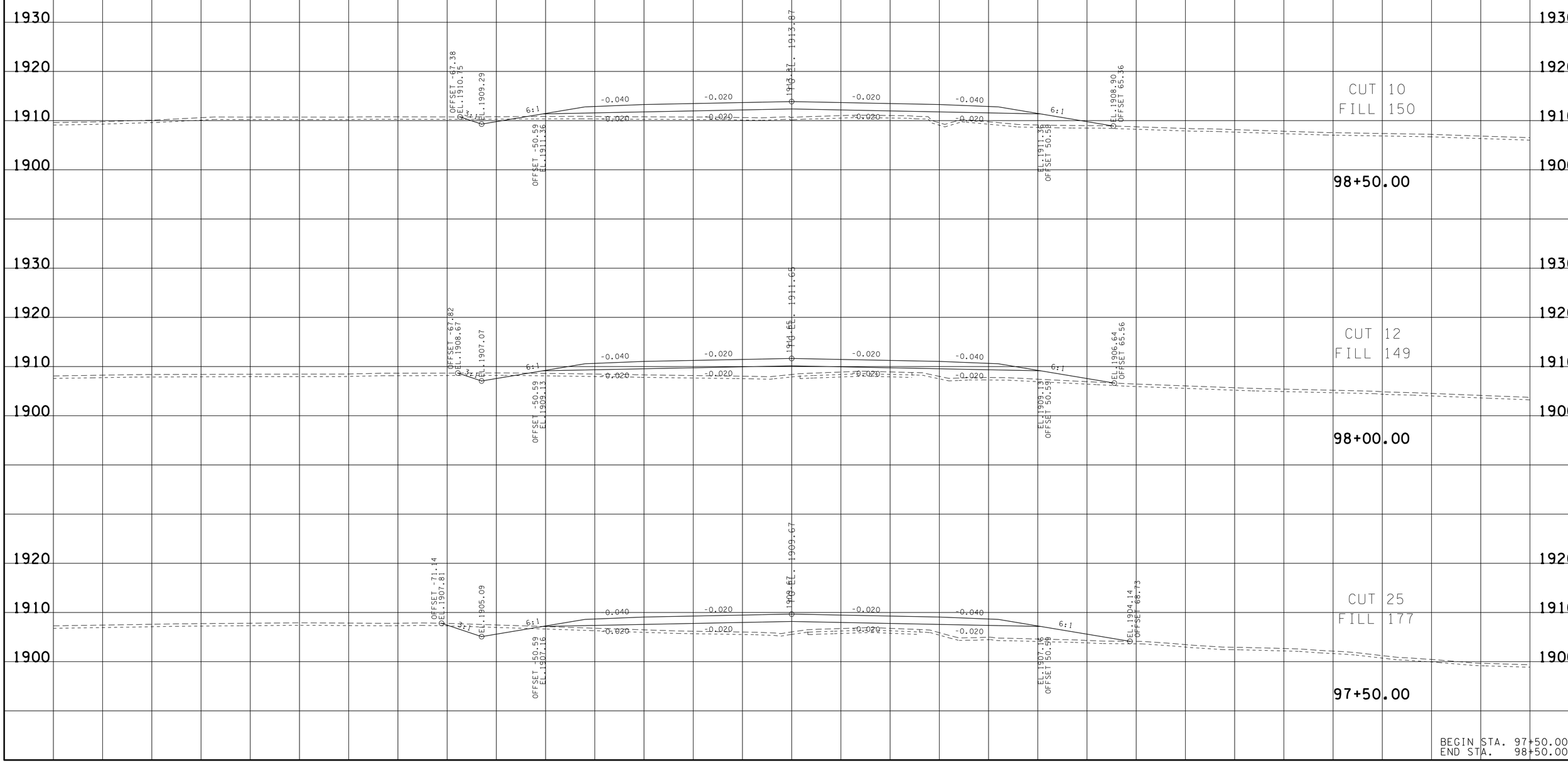
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	54
CONST.	2015	STP-101(16)	72

REV. 09-24-12 - UPDATED CROSS SECTIONS
REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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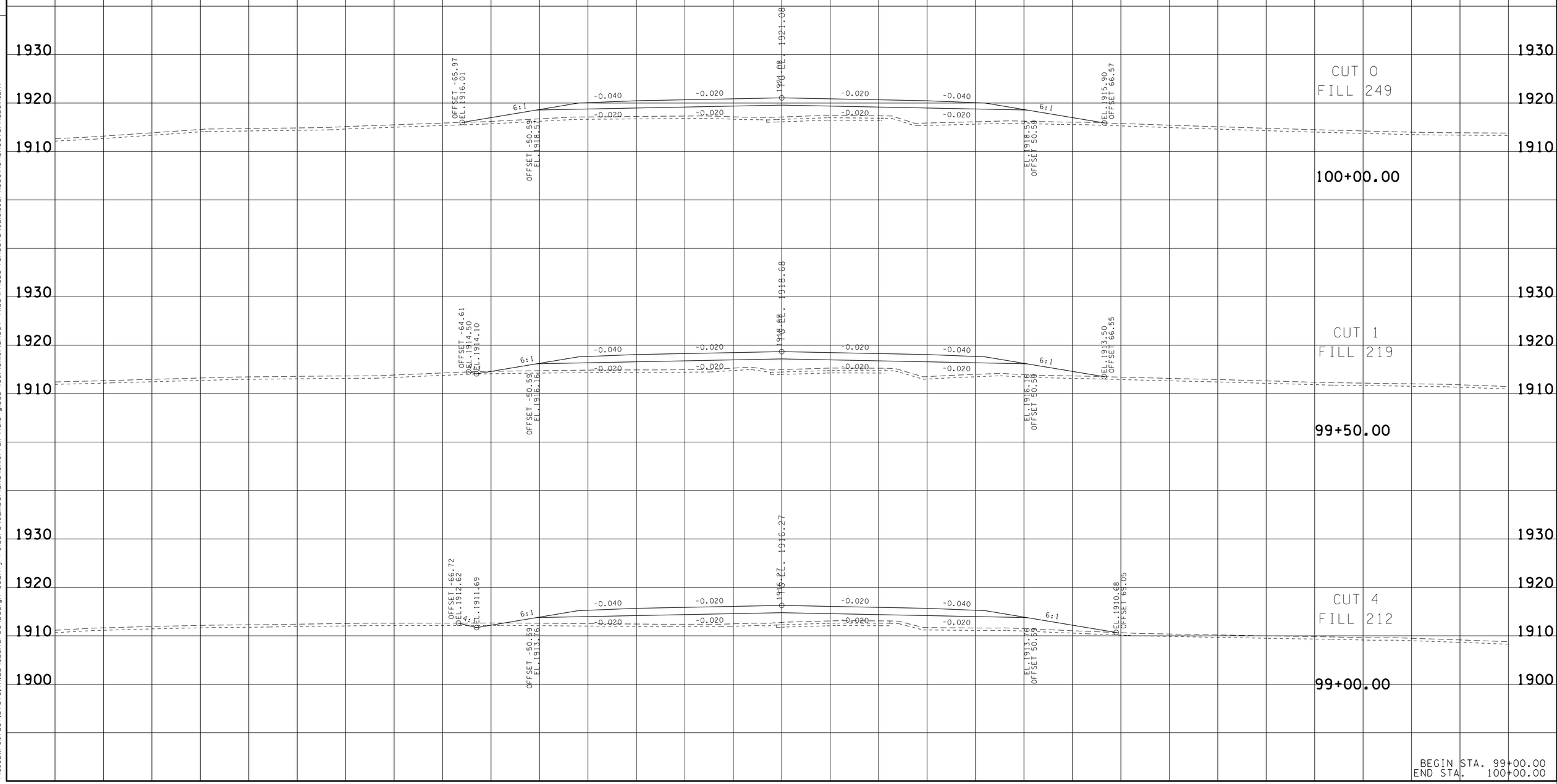
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	55
CONST.	2015	STP-101(16)	73

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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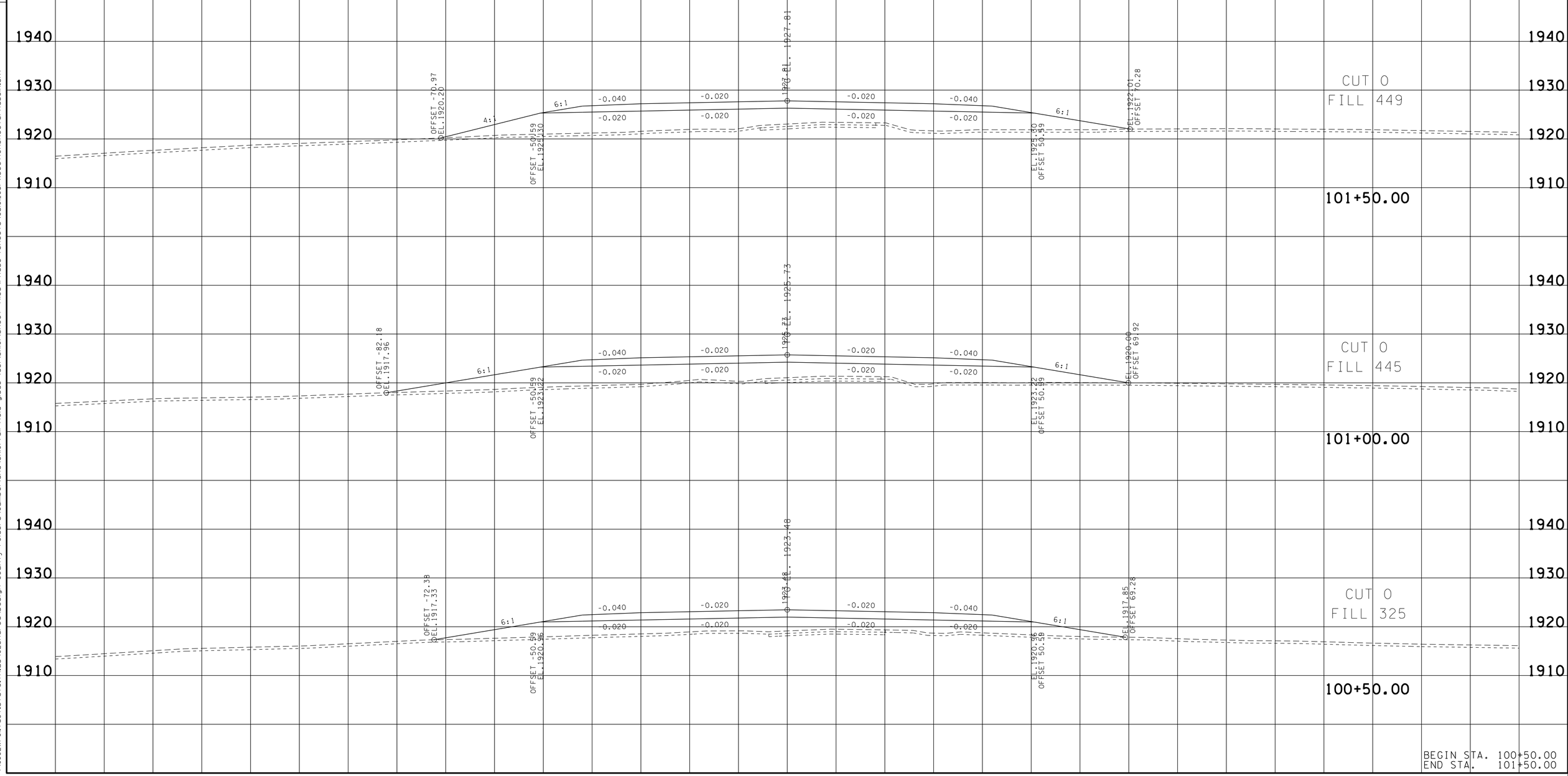
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	56
CONST.	2015	STP-101(16)	74

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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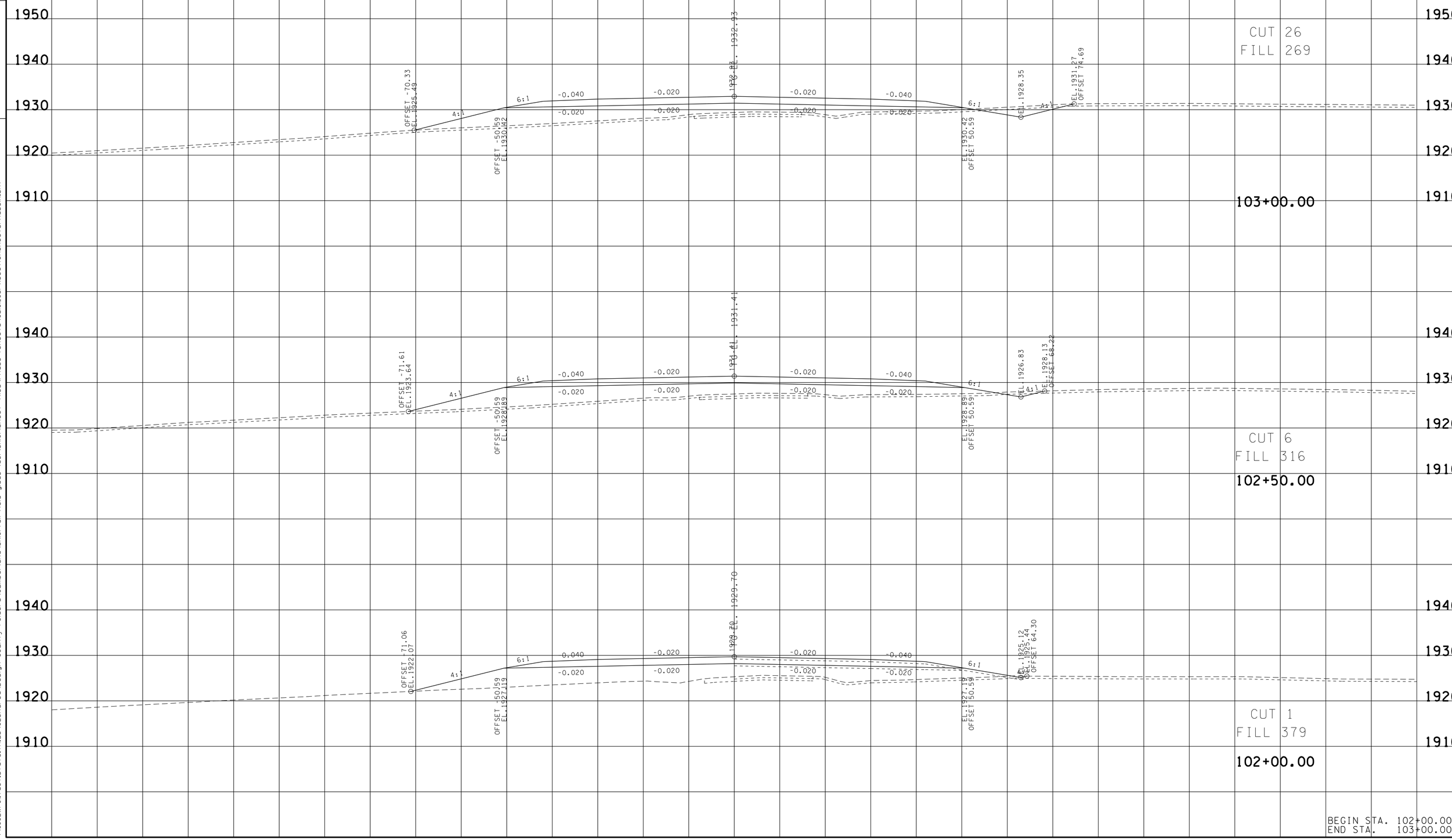
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	57
CONST.	2015	STP-101(16)	75

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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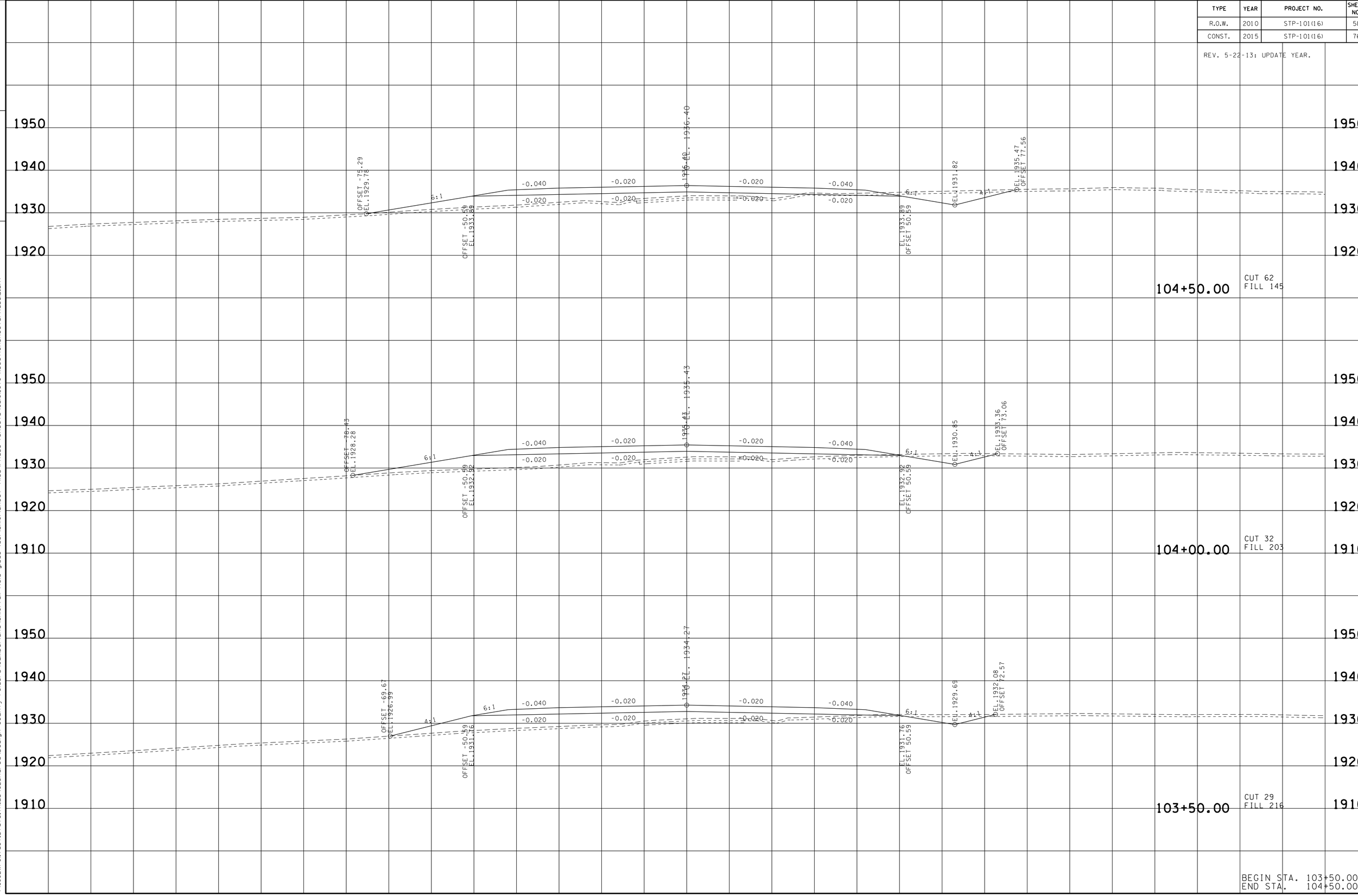
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	58
CONST.	2015	STP-101(16)	76

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	59
CONST.	2015	STP-101(16)	77

REV. 5-22-13: UPDATE YEAR.

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

21-OCT-2014 07:28
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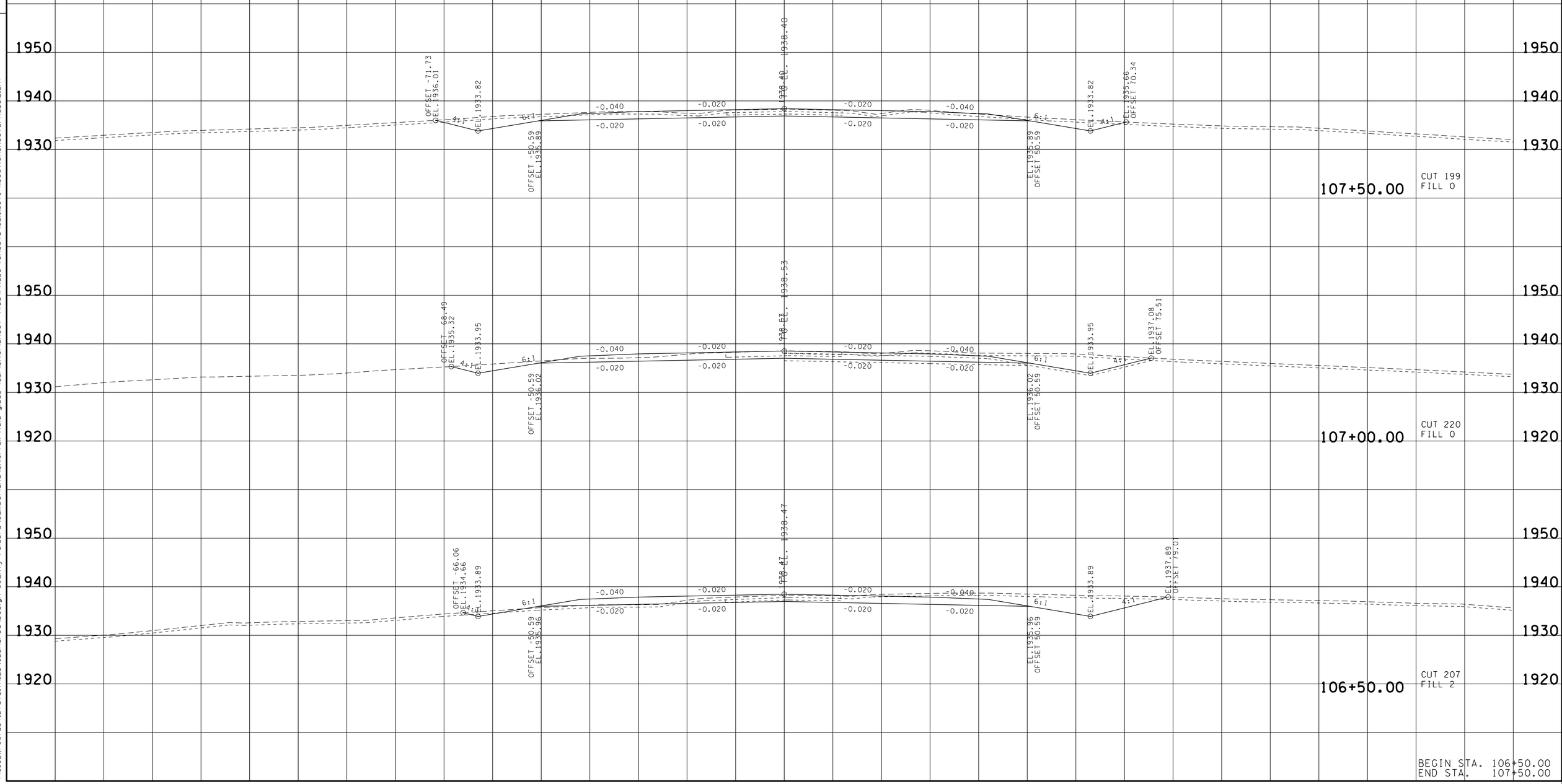
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	60
CONST.	2015	STP-101(16)	78

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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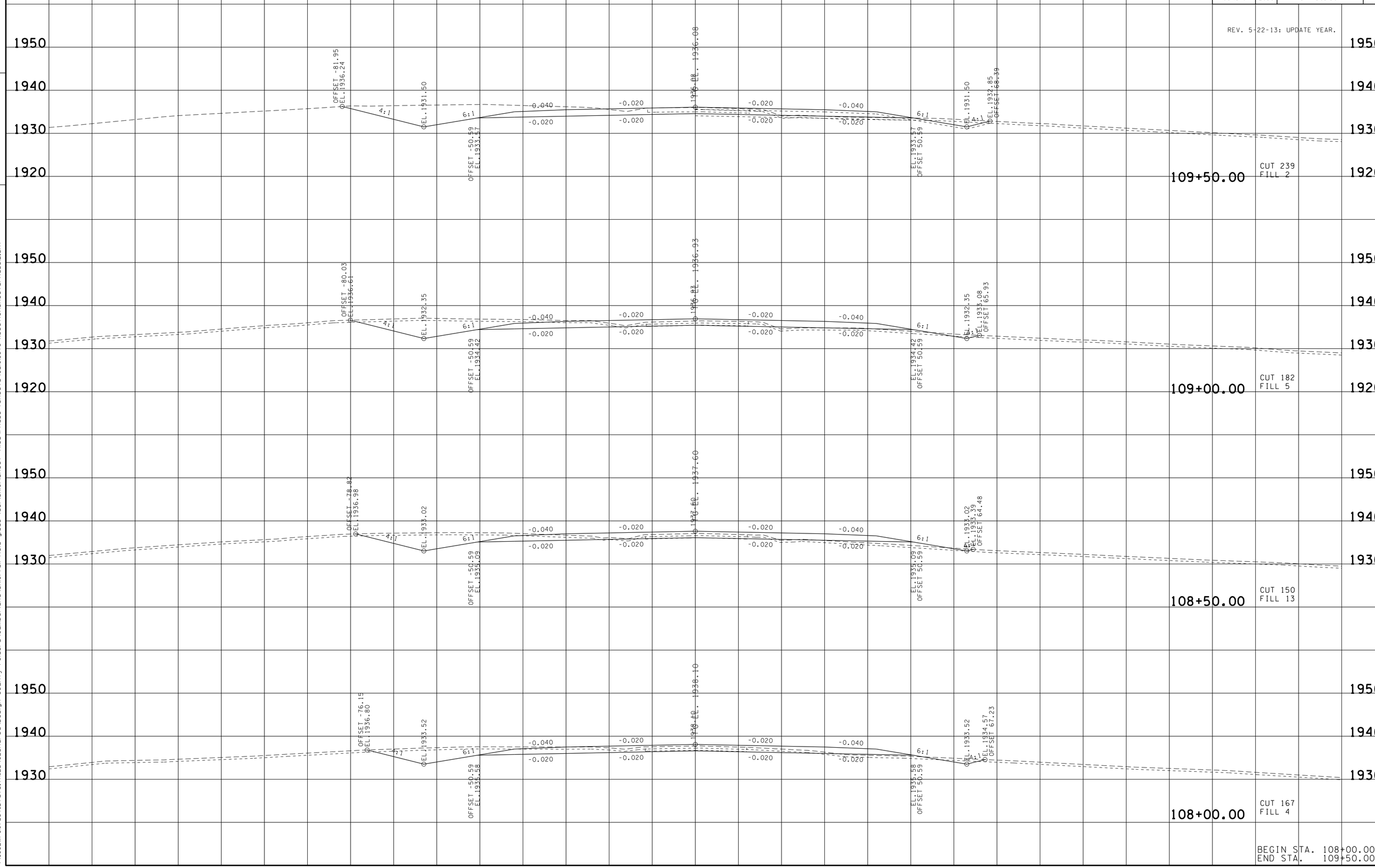
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	61
CONST.	2015	STP-101(16)	79

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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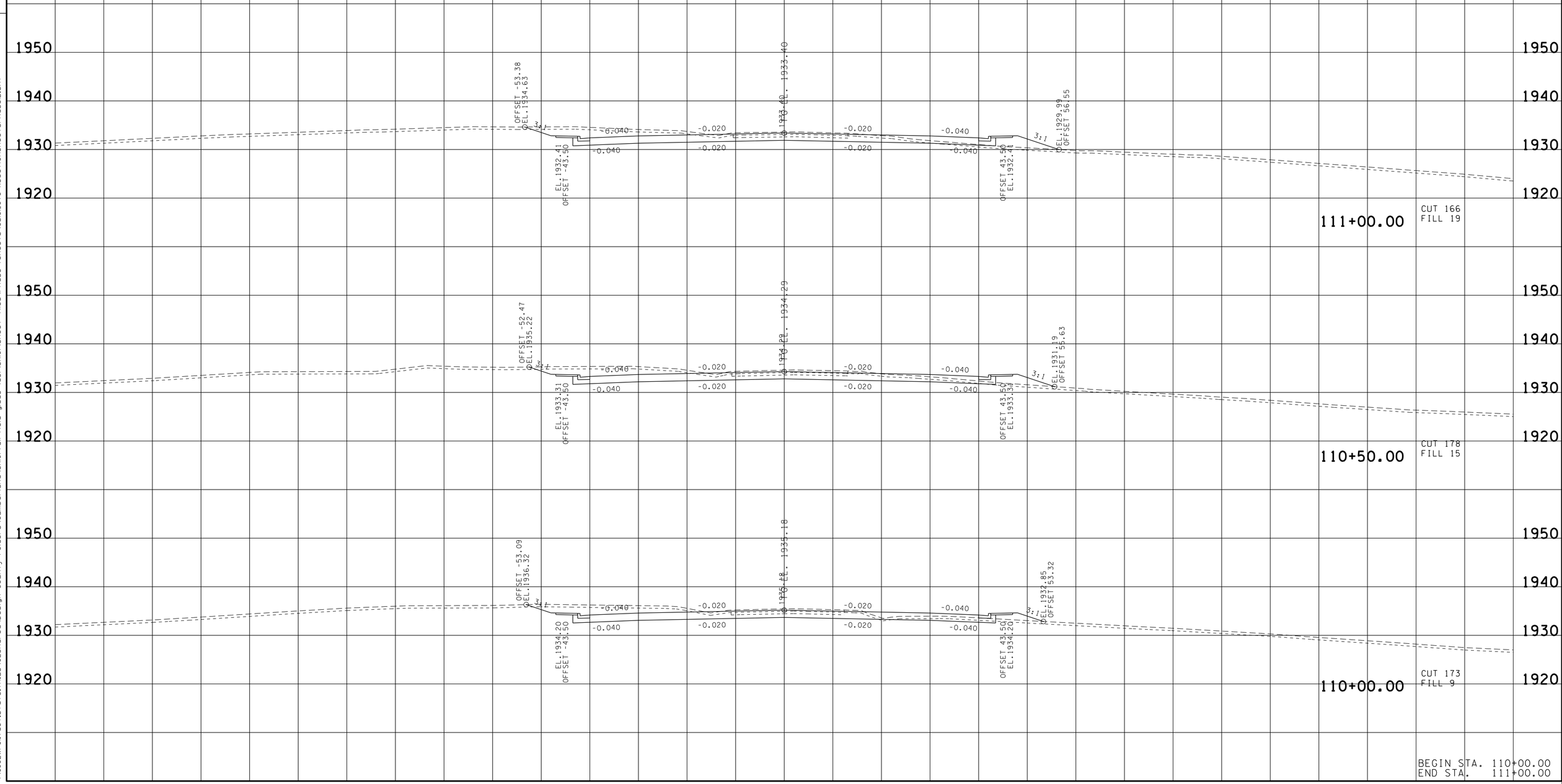
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	62
CONST.	2015	STP-101(16)	80

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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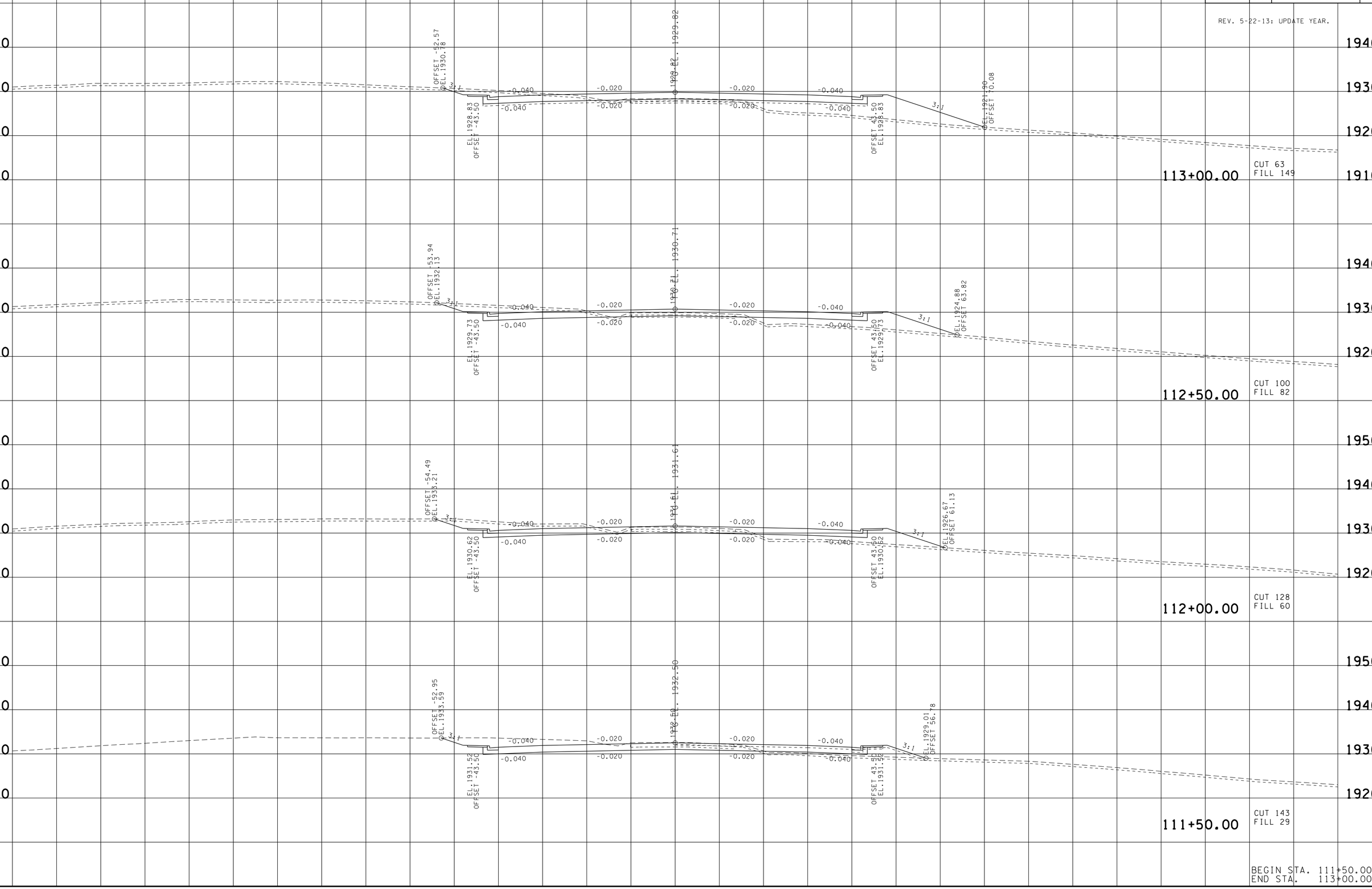
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	63
CONST.	2015	STP-101(16)	81

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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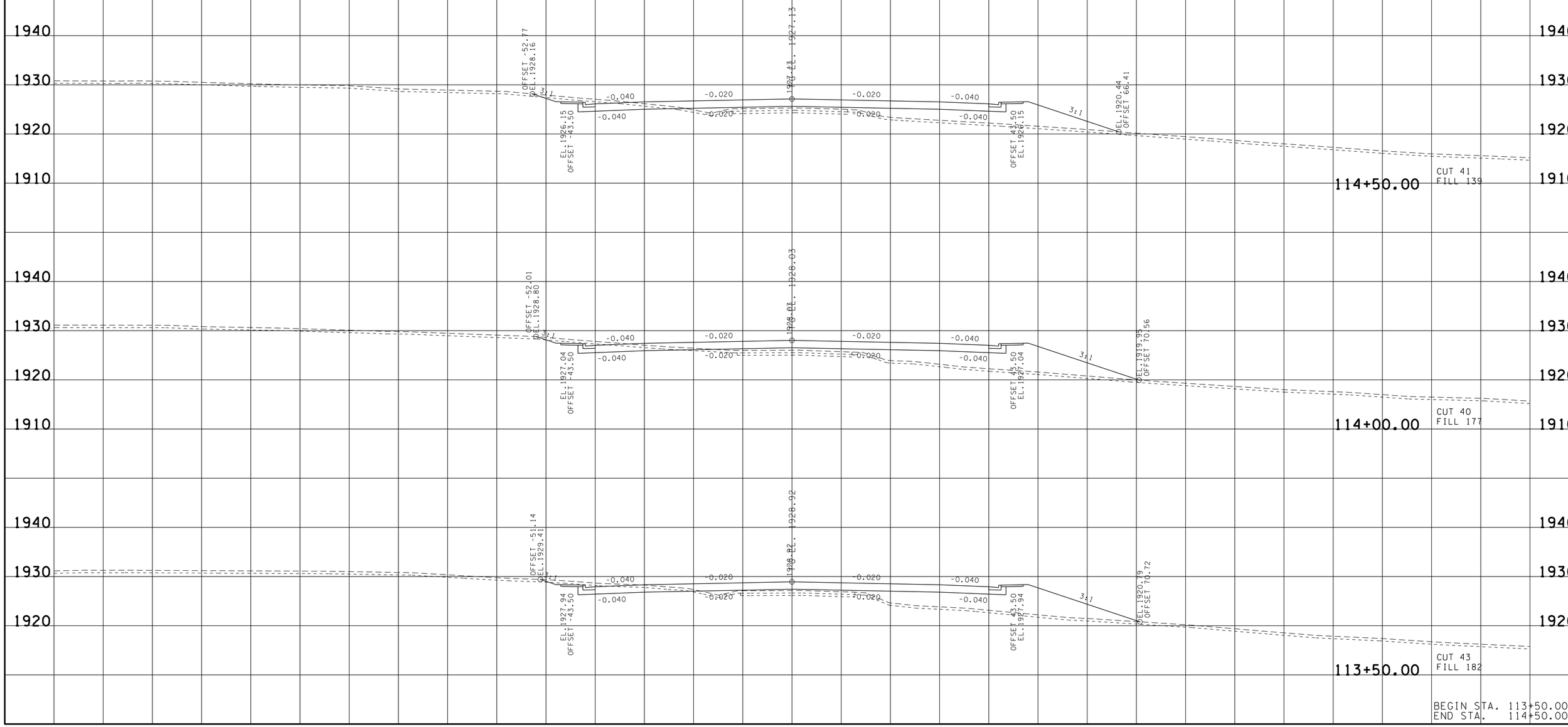
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	64
CONST.	2015	STP-101(16)	82

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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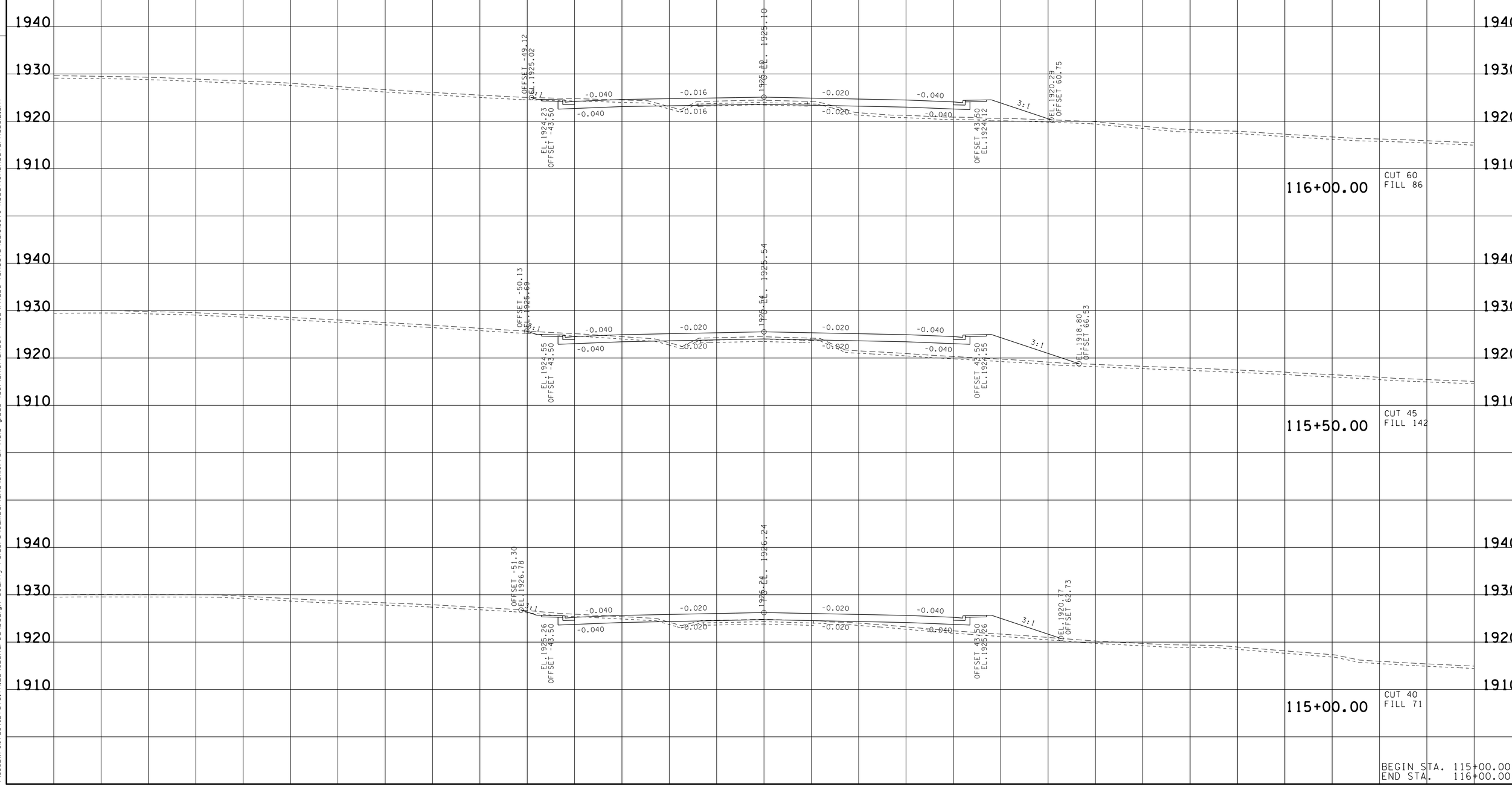
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	65
CONST.	2015	STP-101(16)	83

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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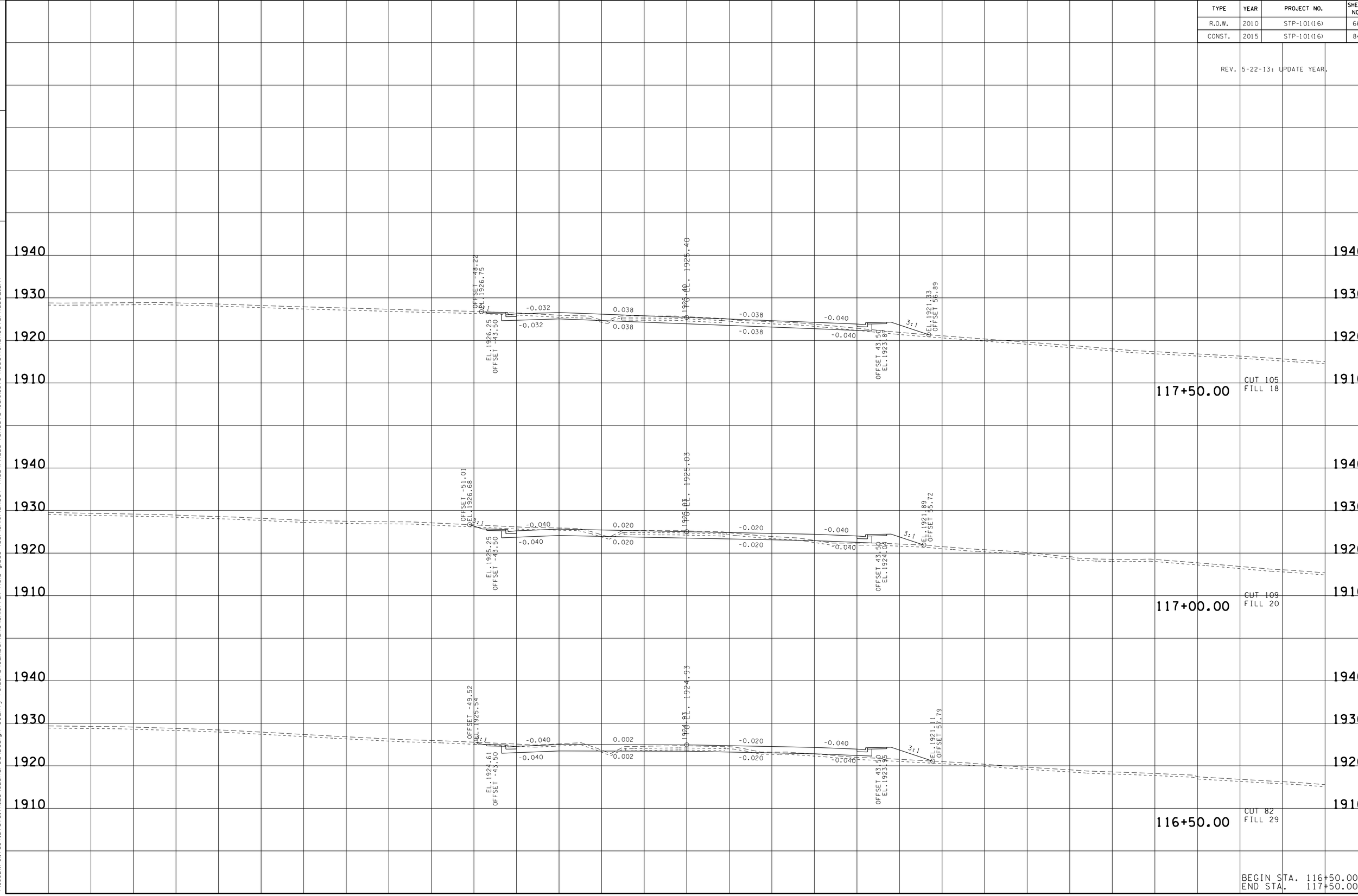
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	66
CONST.	2015	STP-101(16)	84

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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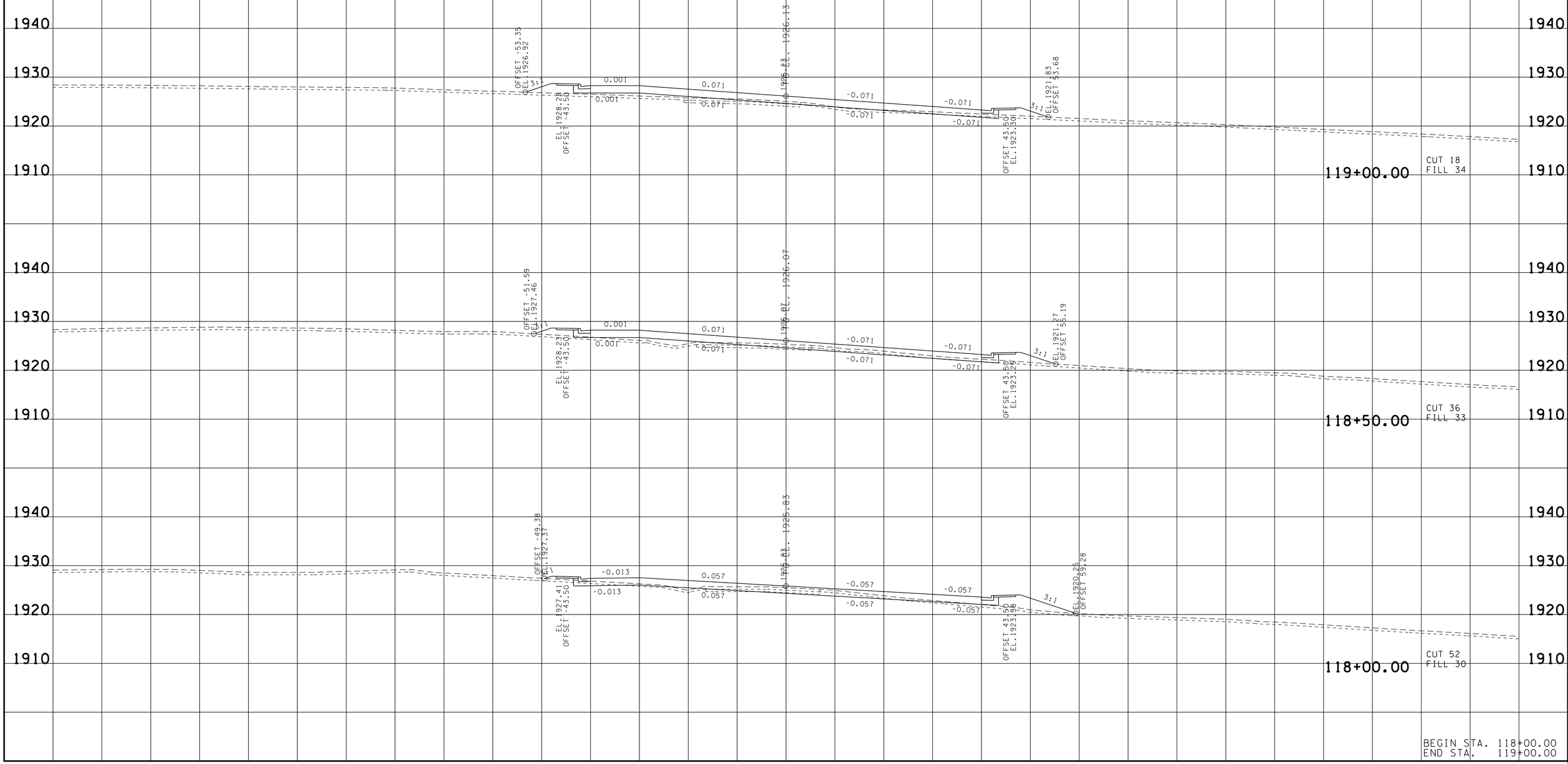
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	67
CONST.	2015	STP-101(16)	85

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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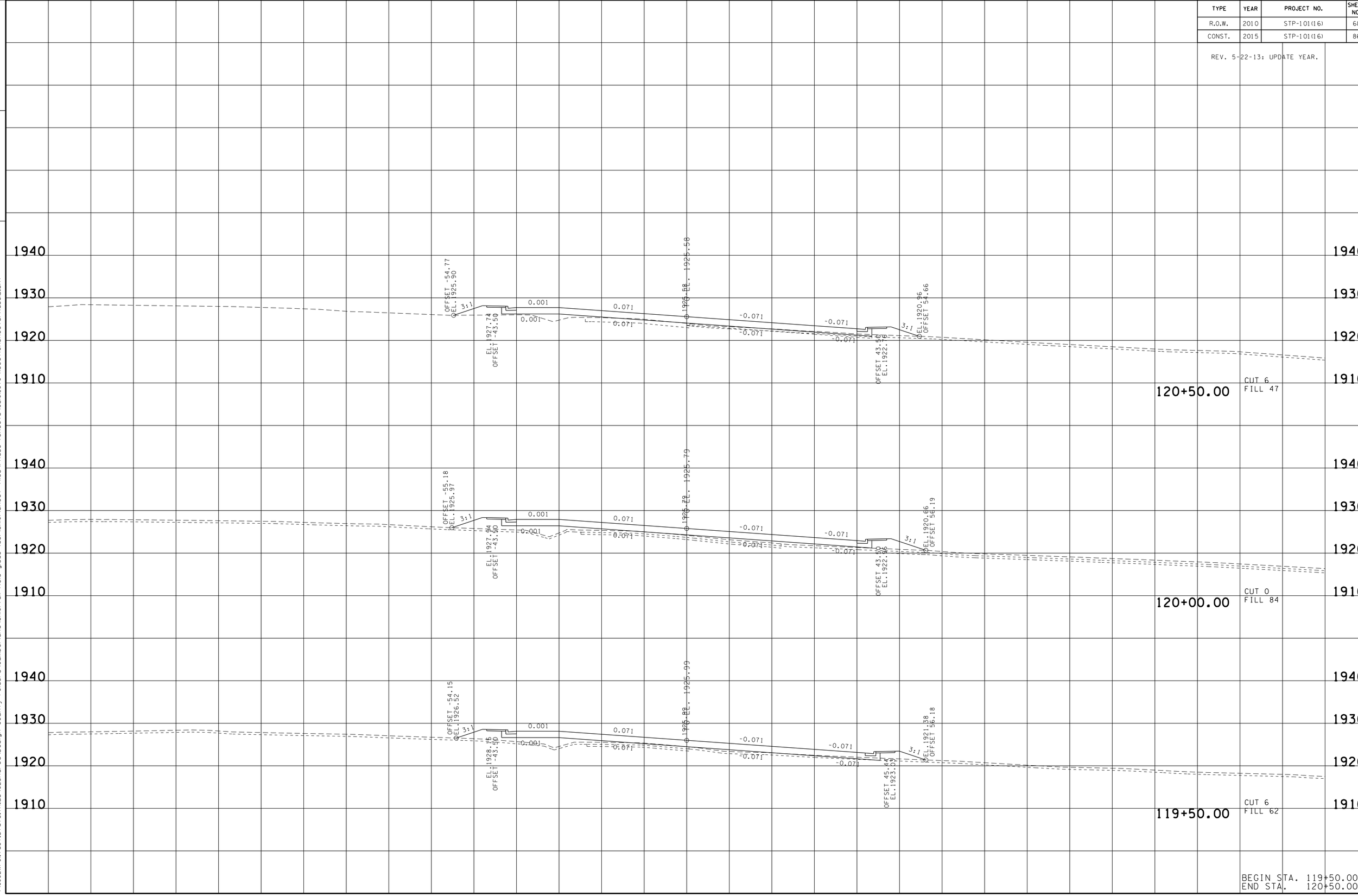
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	68
CONST.	2015	STP-101(16)	86

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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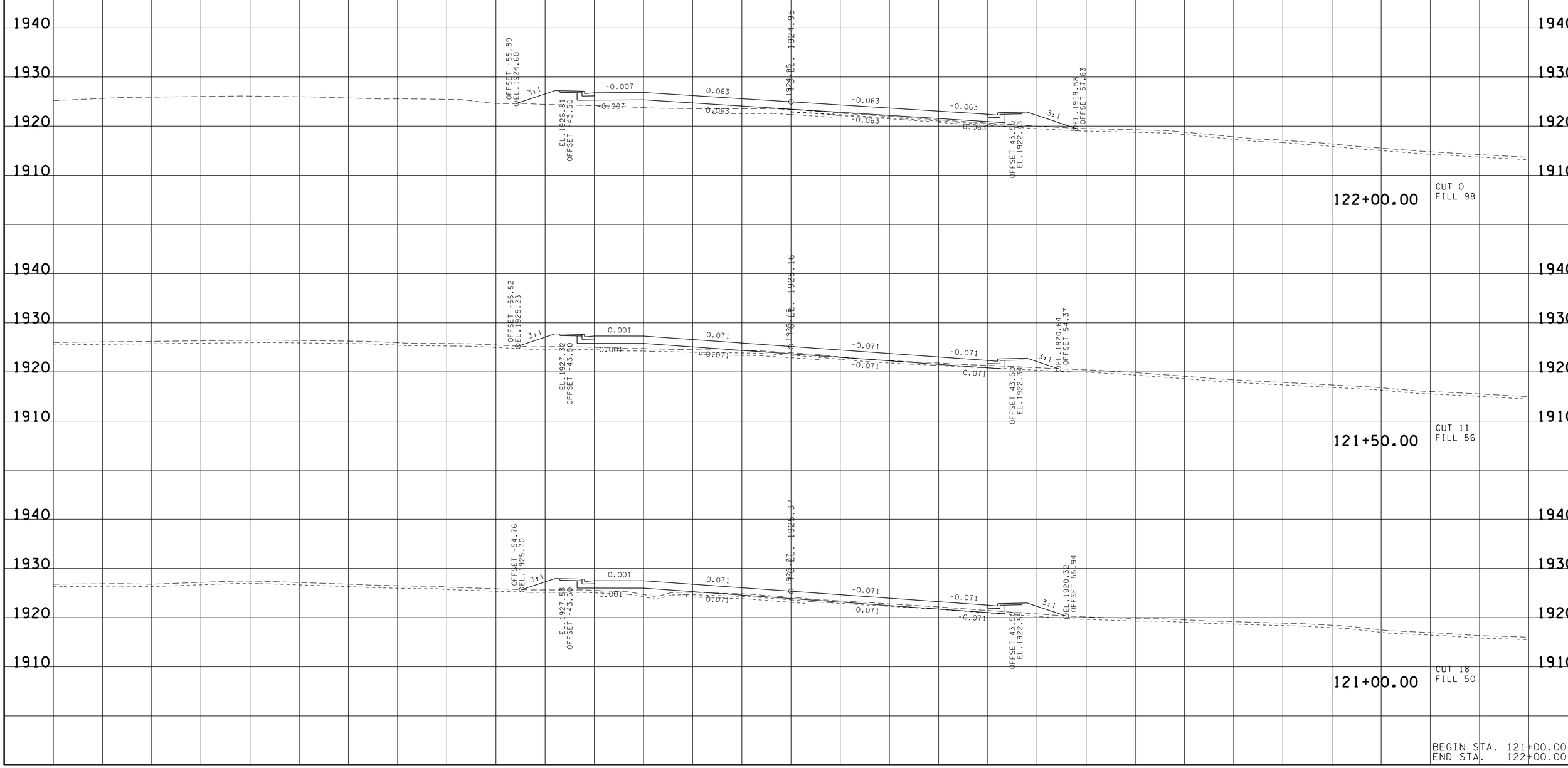
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	69
CONST.	2015	STP-101(16)	87

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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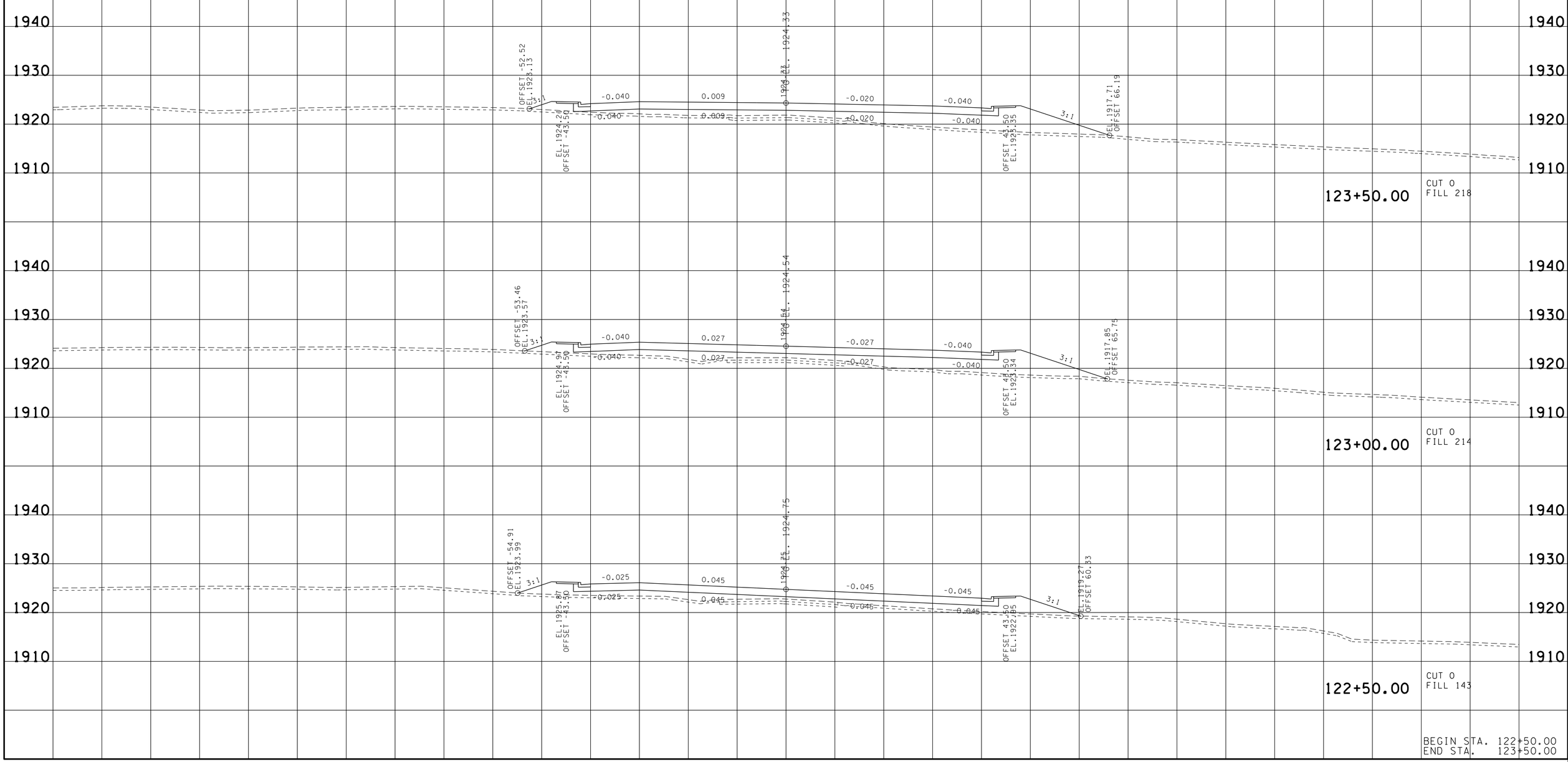
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	70
CONST.	2015	STP-101(16)	88

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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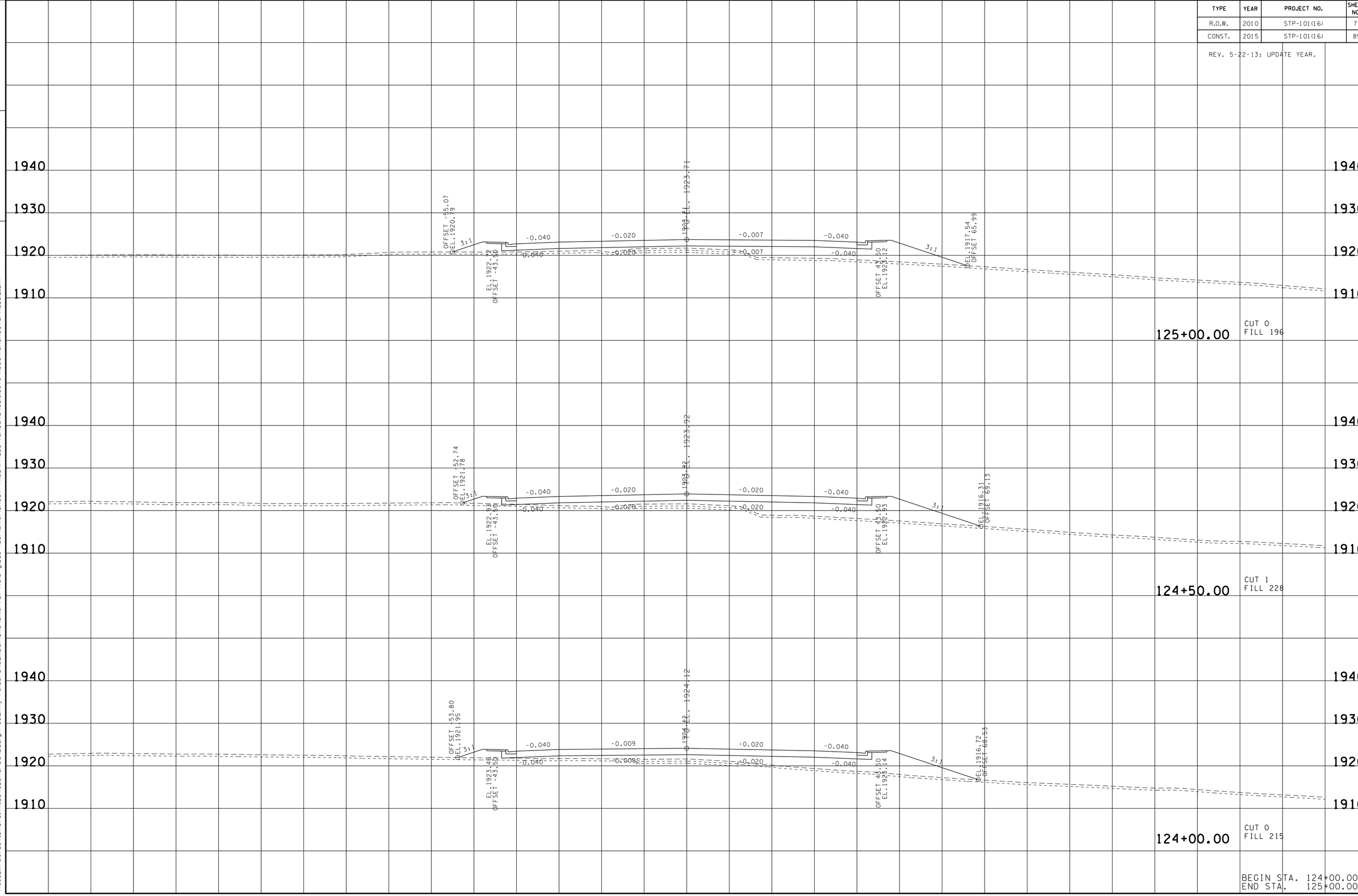
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	71
CONST.	2015	STP-101(16)	89

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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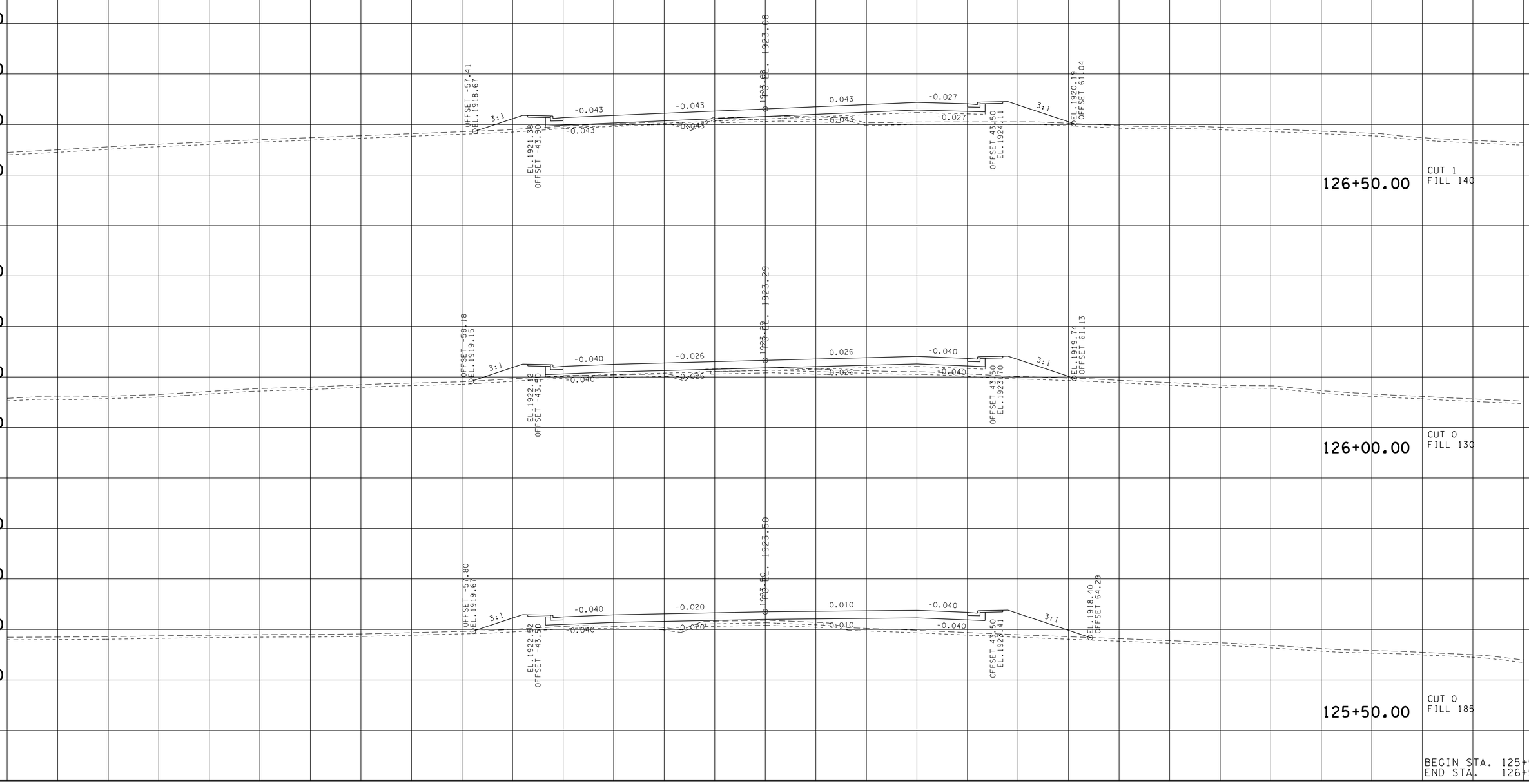
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	72
CONST.	2015	STP-101(16)	90

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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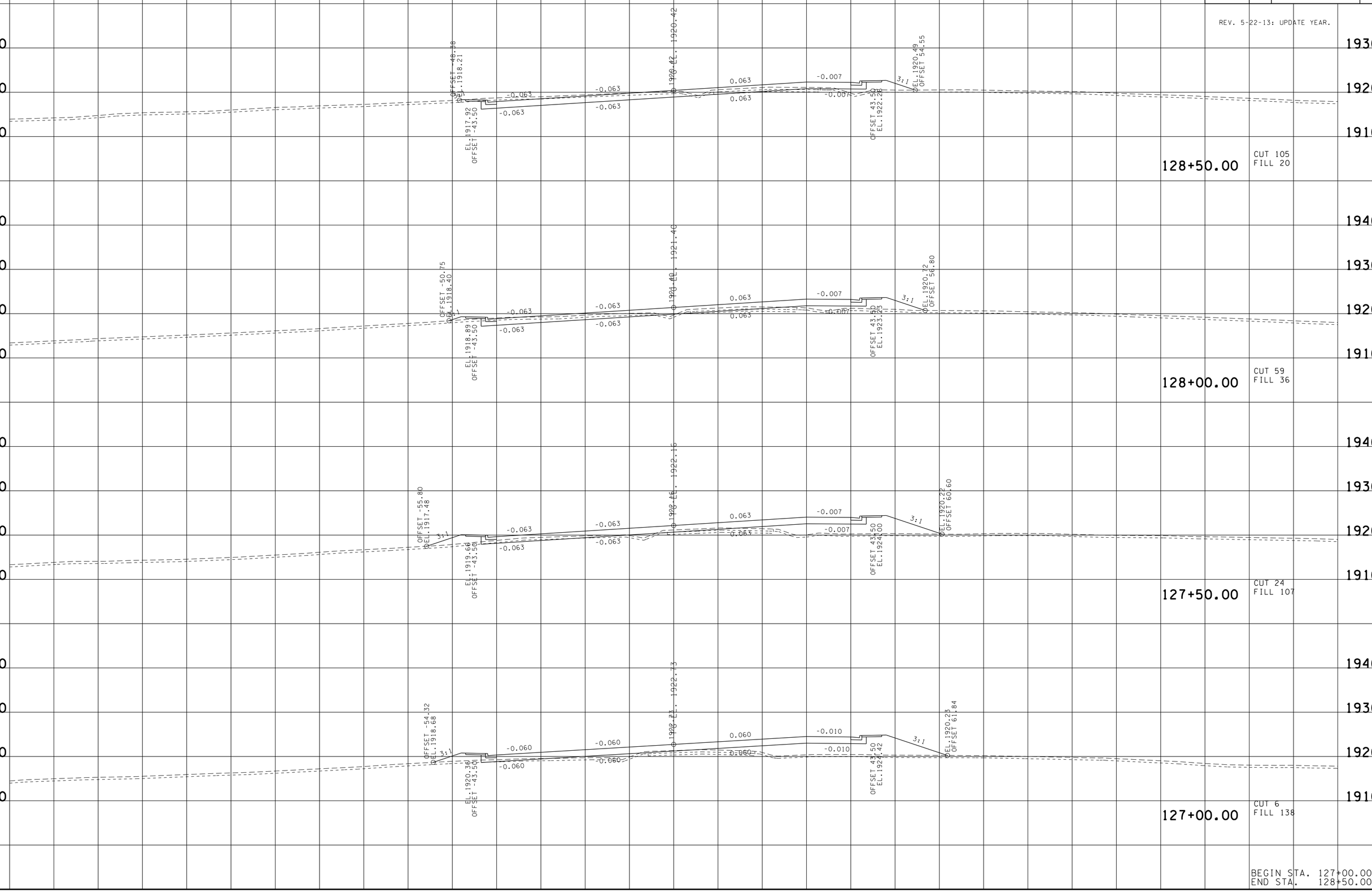
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	73
CONST.	2015	STP-101(16)	91

REV. 5-22-13: UPDATE YEAR.

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



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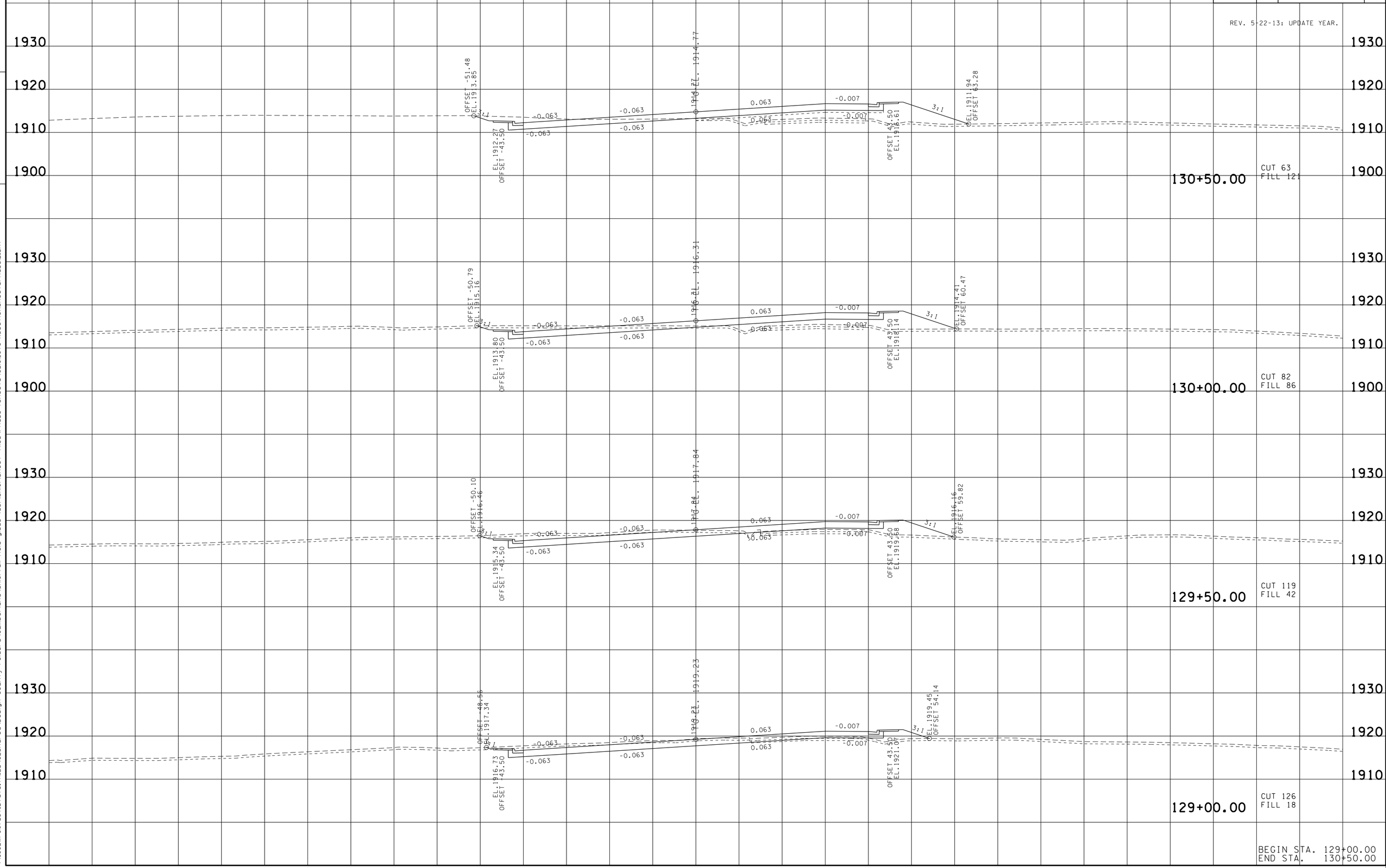
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	74
CONST.	2015	STP-101(16)	92

REV. 5-22-13: UPDATE YEAR.



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TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

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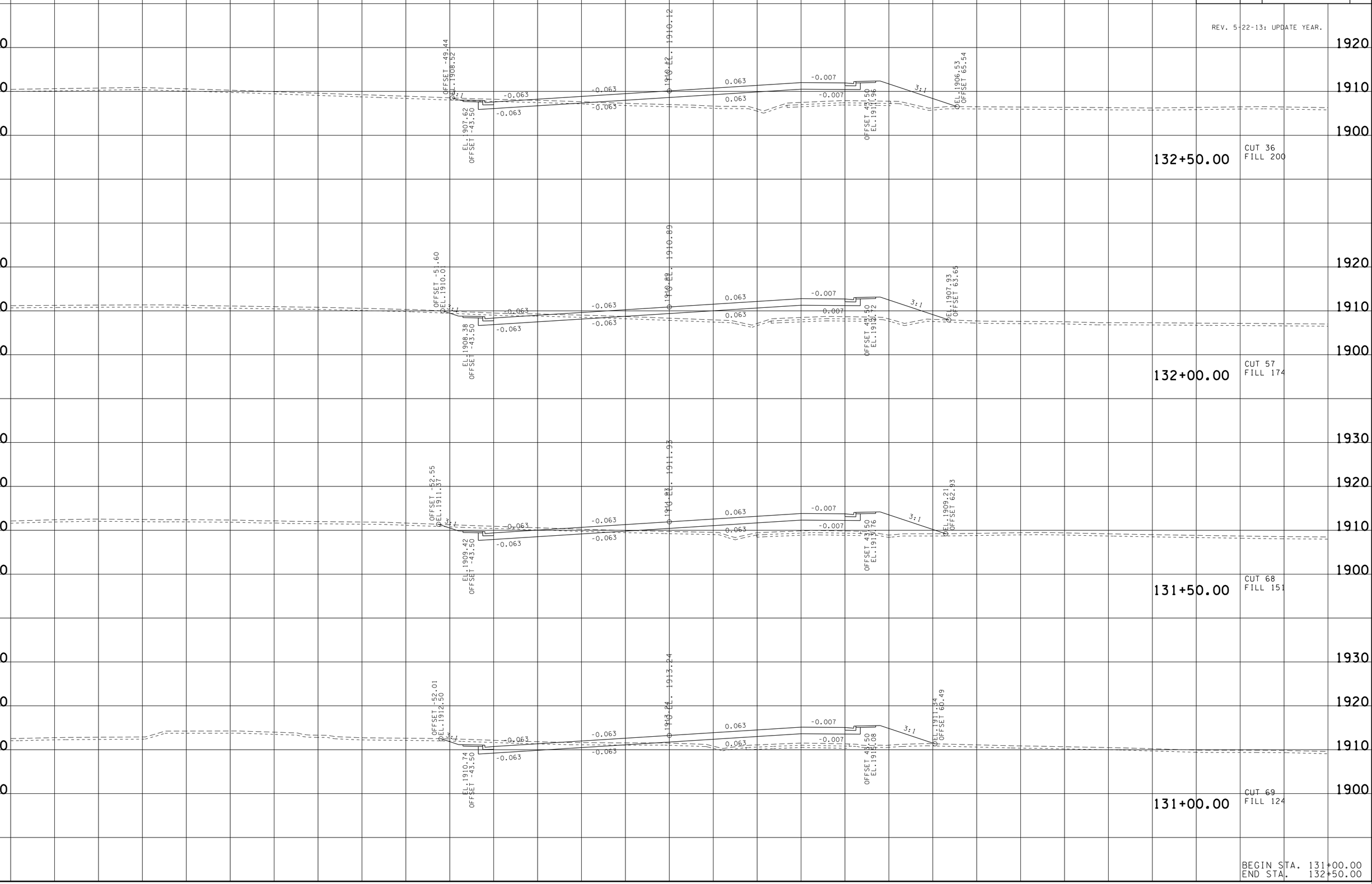
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	75
CONST.	2015	STP-101(16)	93

REV. 5-22-13: UPDATE YEAR.

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



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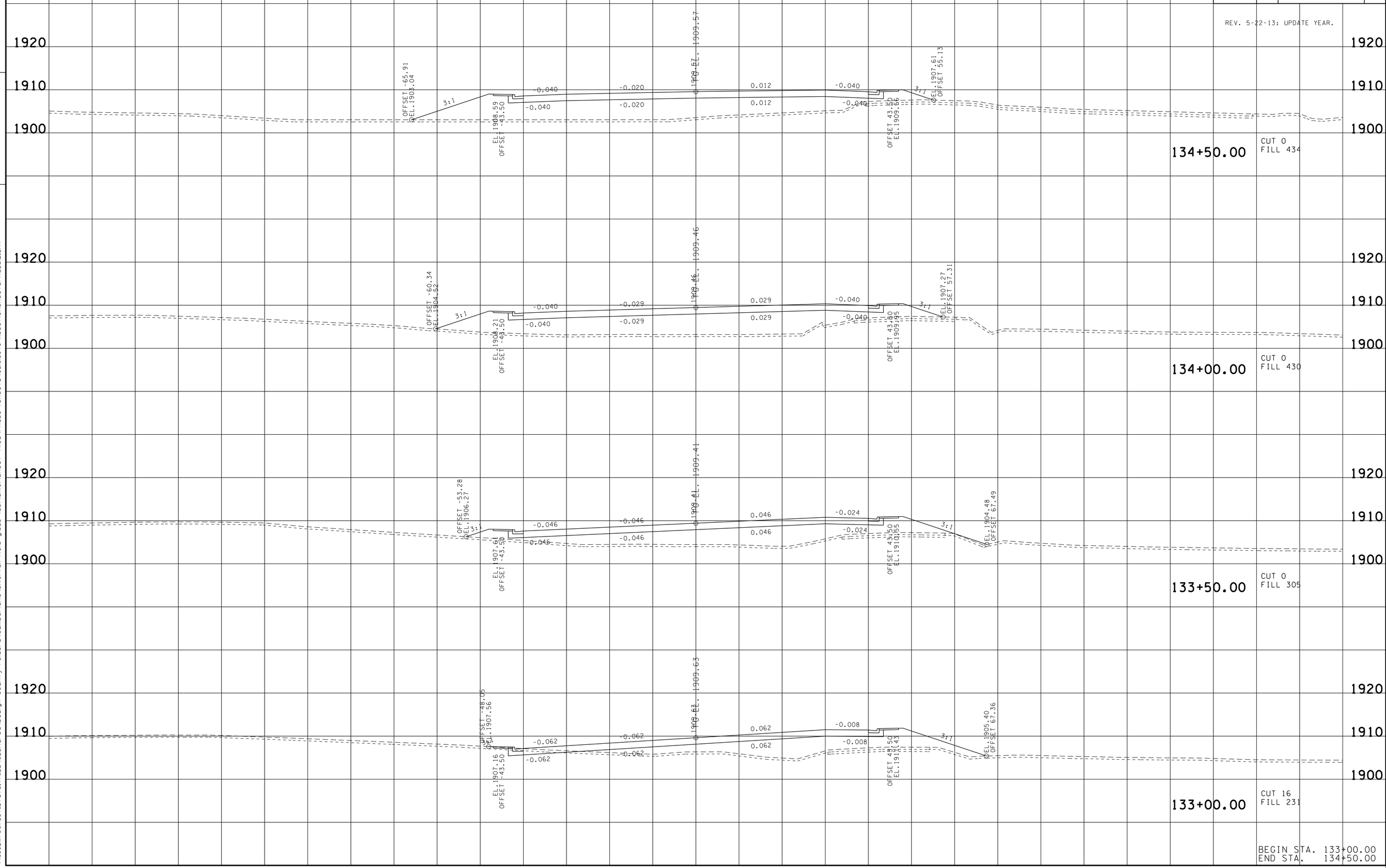
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	76
CONST.	2015	STP-101(16)	94

REV. 5-22-13: UPDATE YEAR.

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



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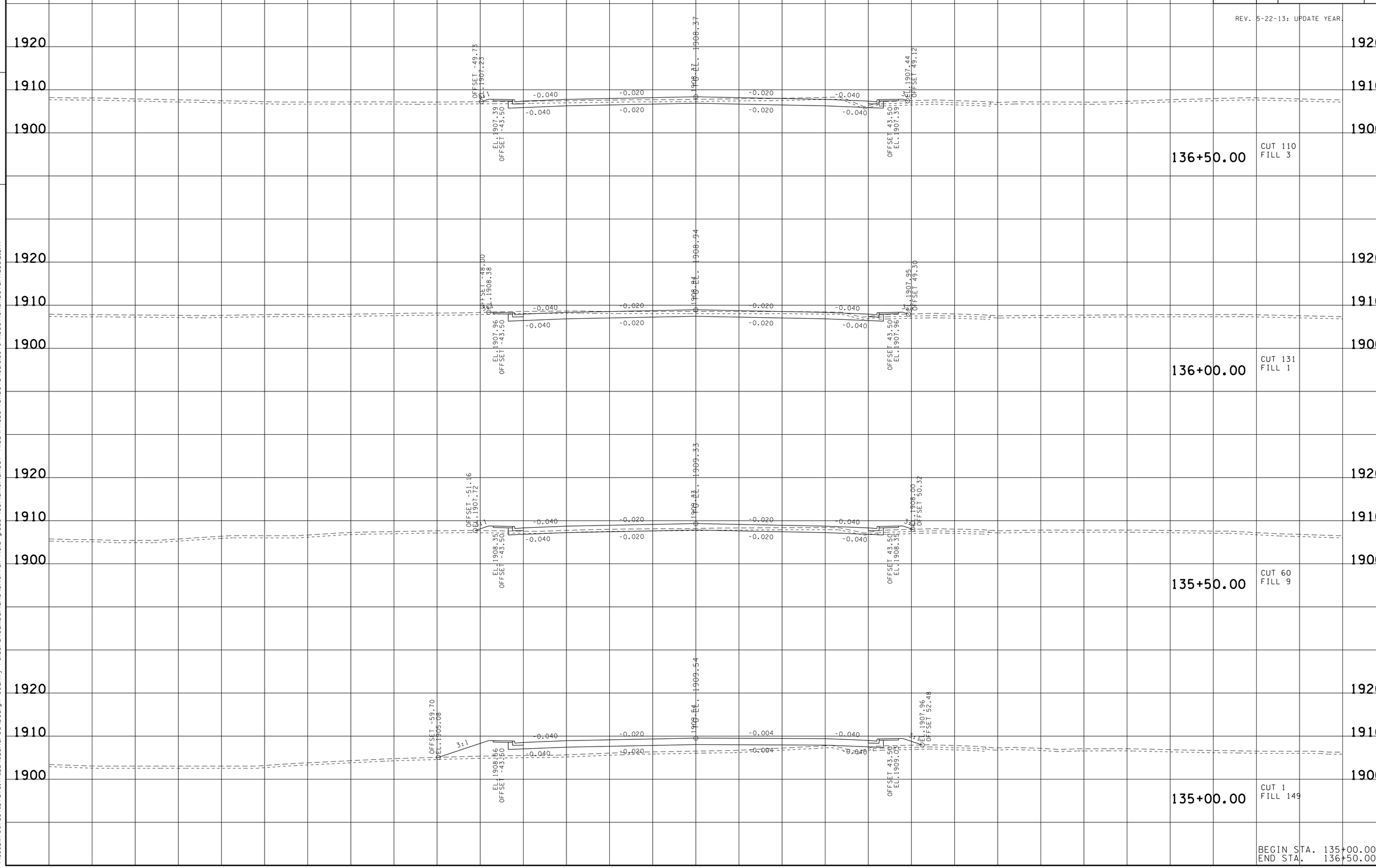
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	77
CONST.	2015	STP-101(16)	95

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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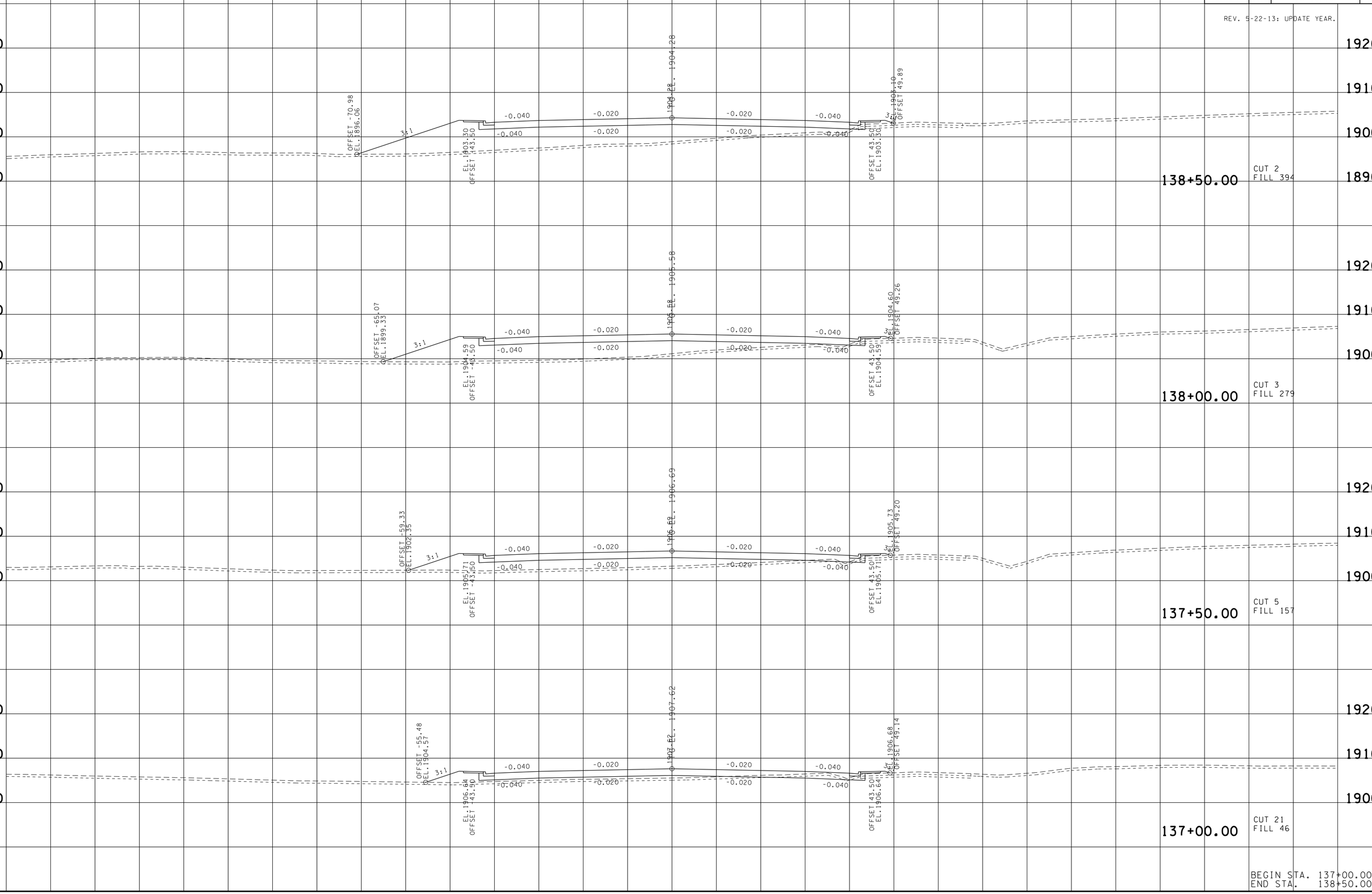
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	78
CONST.	2015	STP-101(16)	96

REV. 5-22-13: UPDATE YEAR.

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



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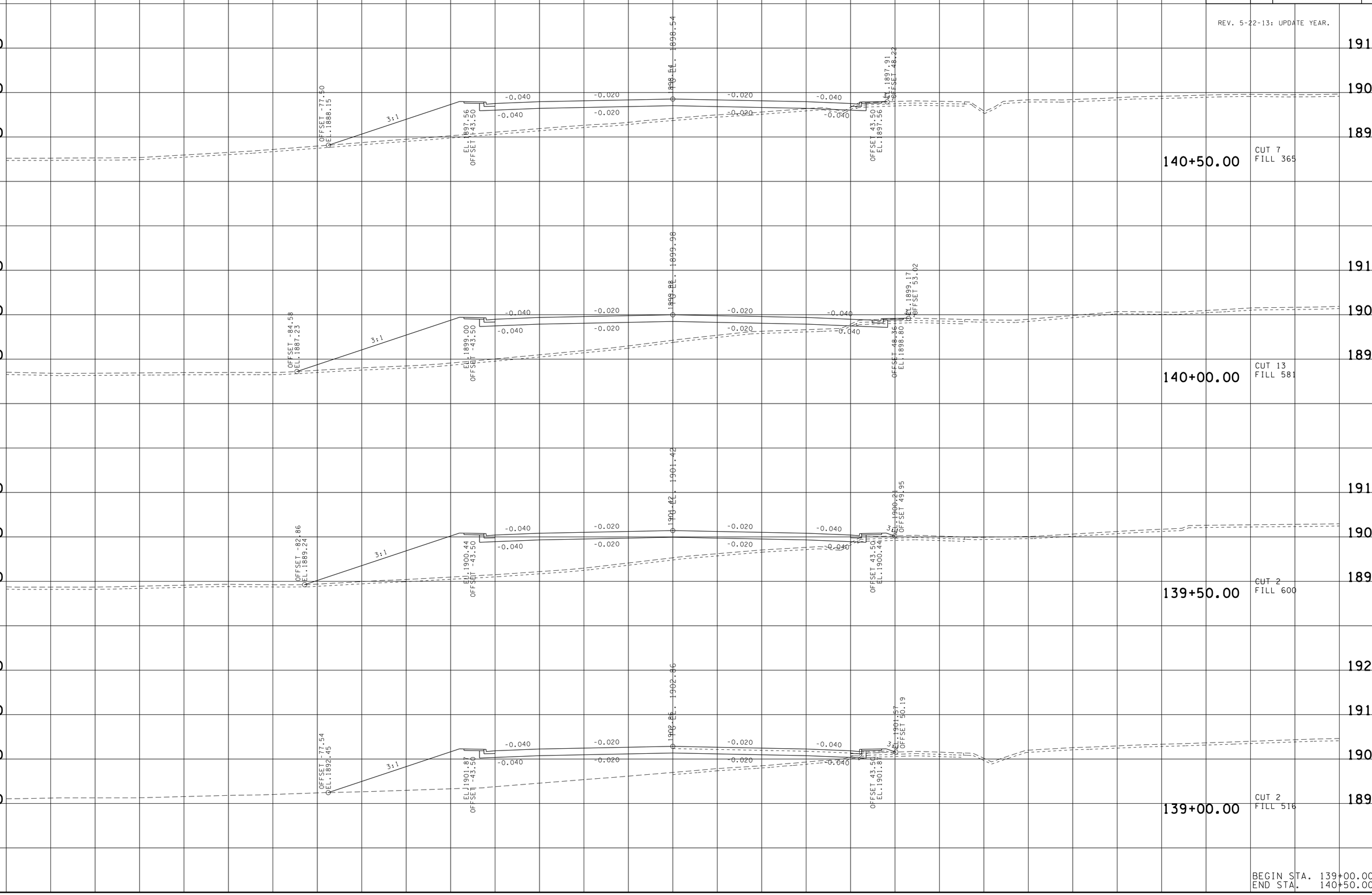
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	79
CONST.	2015	STP-101(16)	97

REV. 5-22-13: UPDATE YEAR.

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



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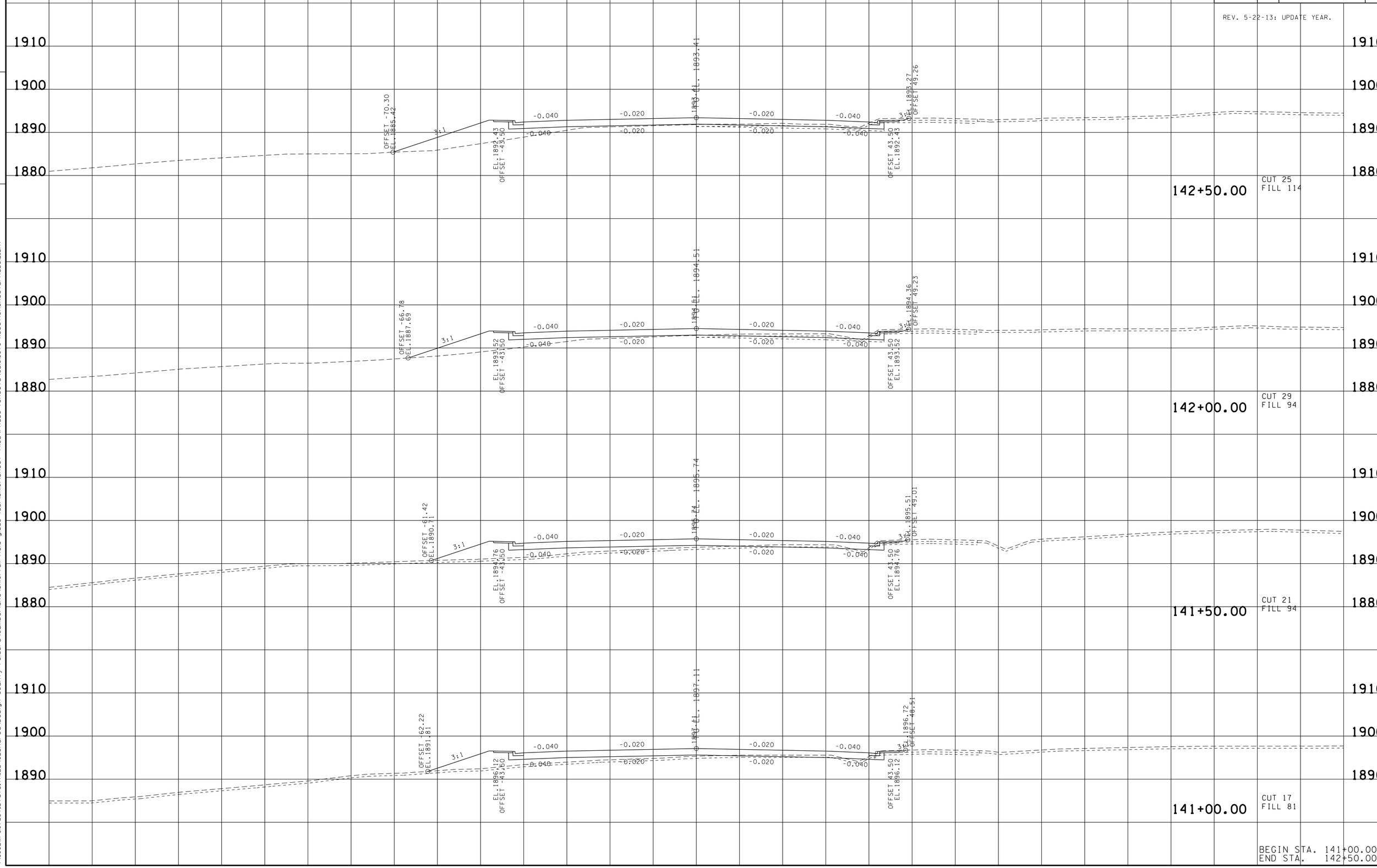
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	80
CONST.	2015	STP-101(16)	98

REV. 5-22-13: UPDATE YEAR.

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



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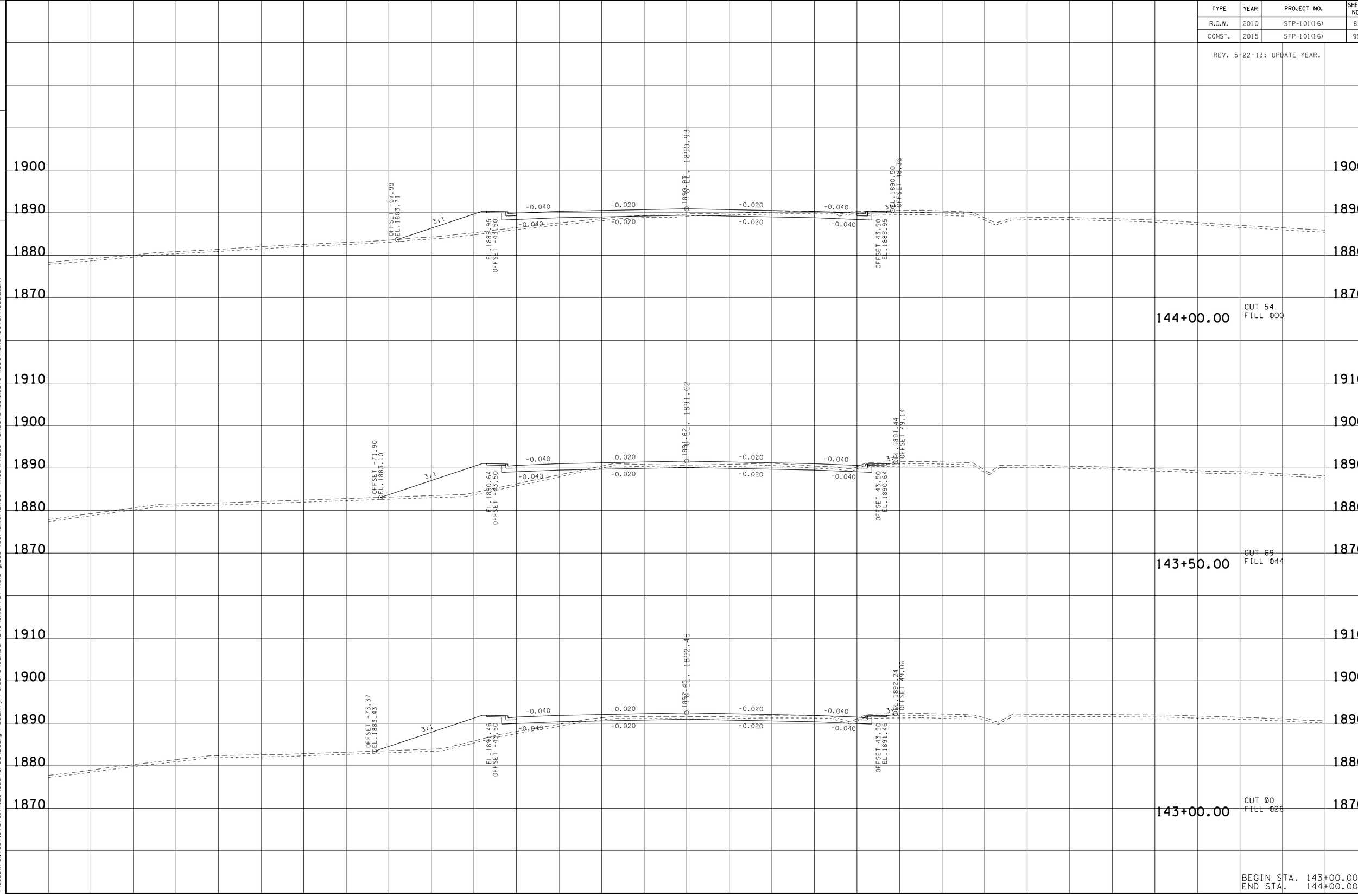
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	81
CONST.	2015	STP-101(16)	99

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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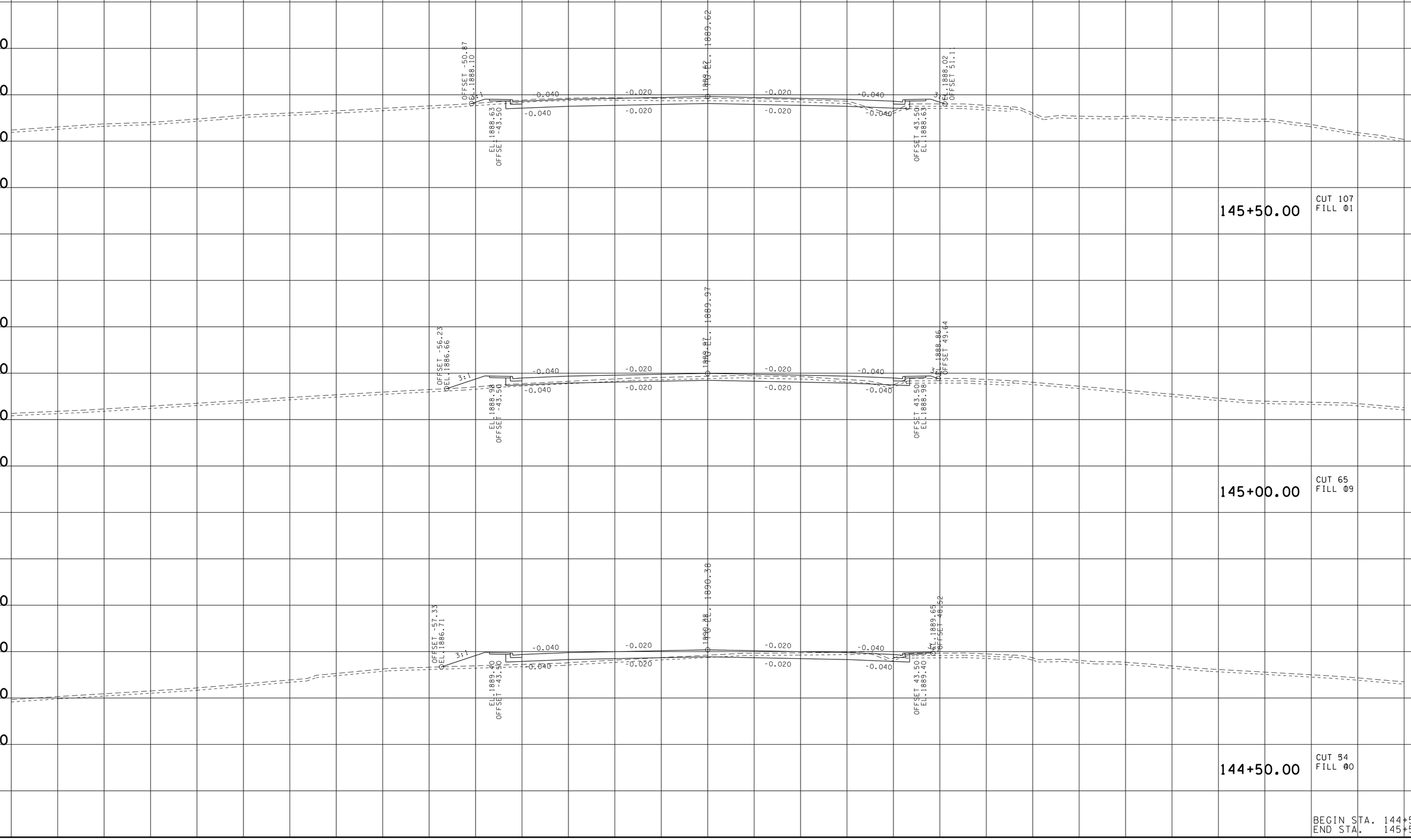
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	82
CONST.	2015	STP-101(16)	100

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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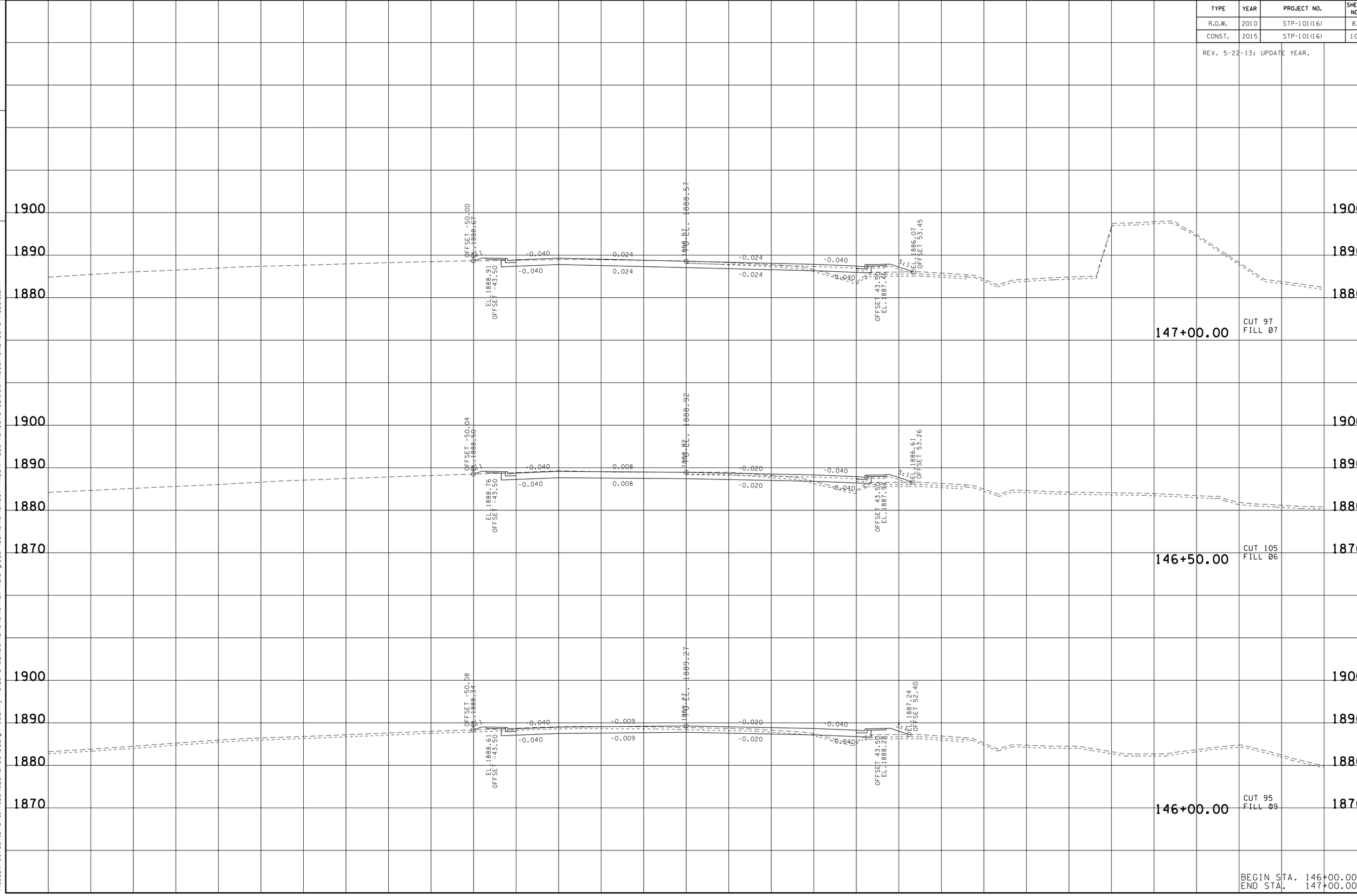
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	83
CONST.	2015	STP-101(16)	101

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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21-OCT-2014 07:59
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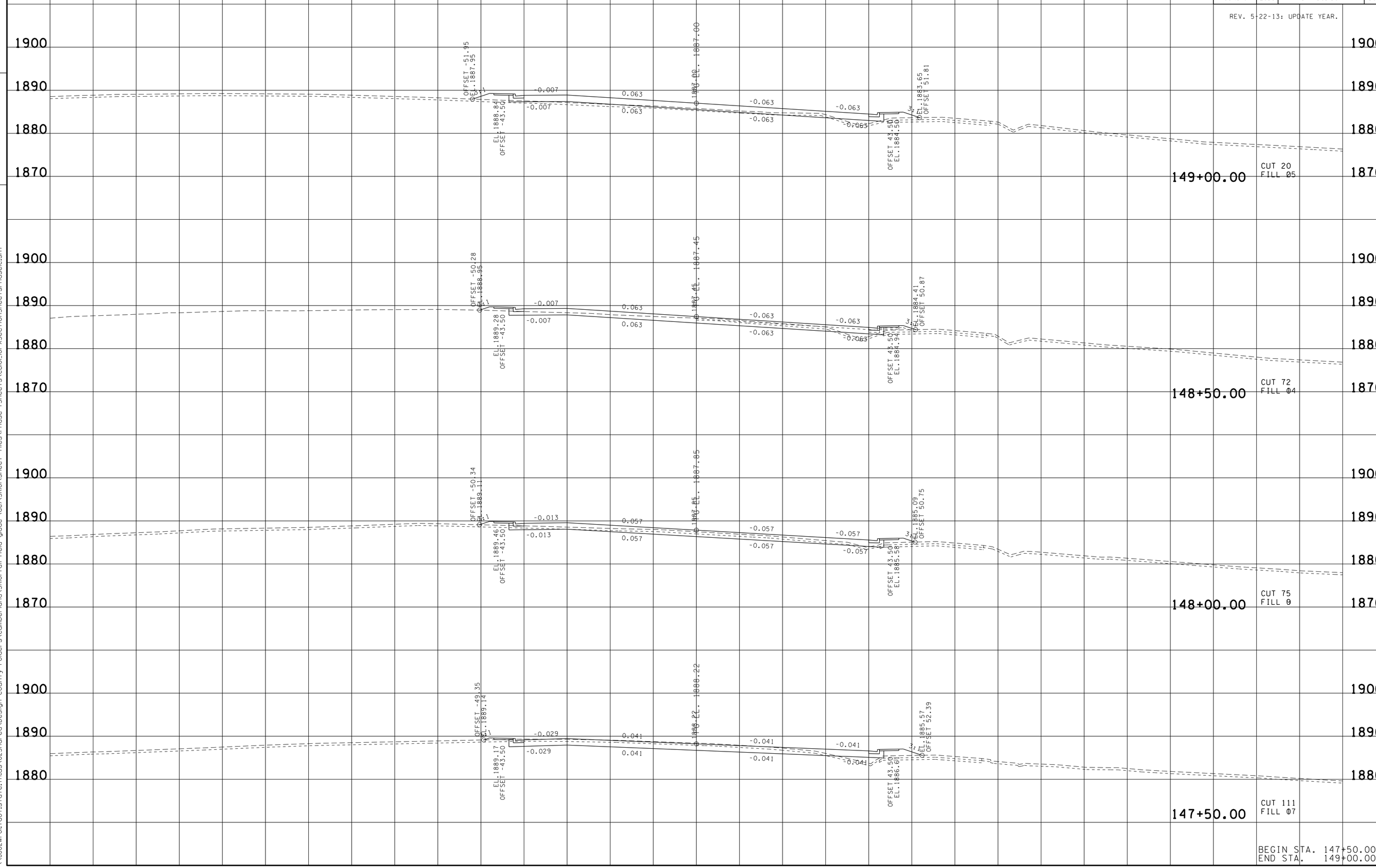
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	84
CONST.	2015	STP-101(16)	102

REV. 5-22-13: UPDATE YEAR.

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



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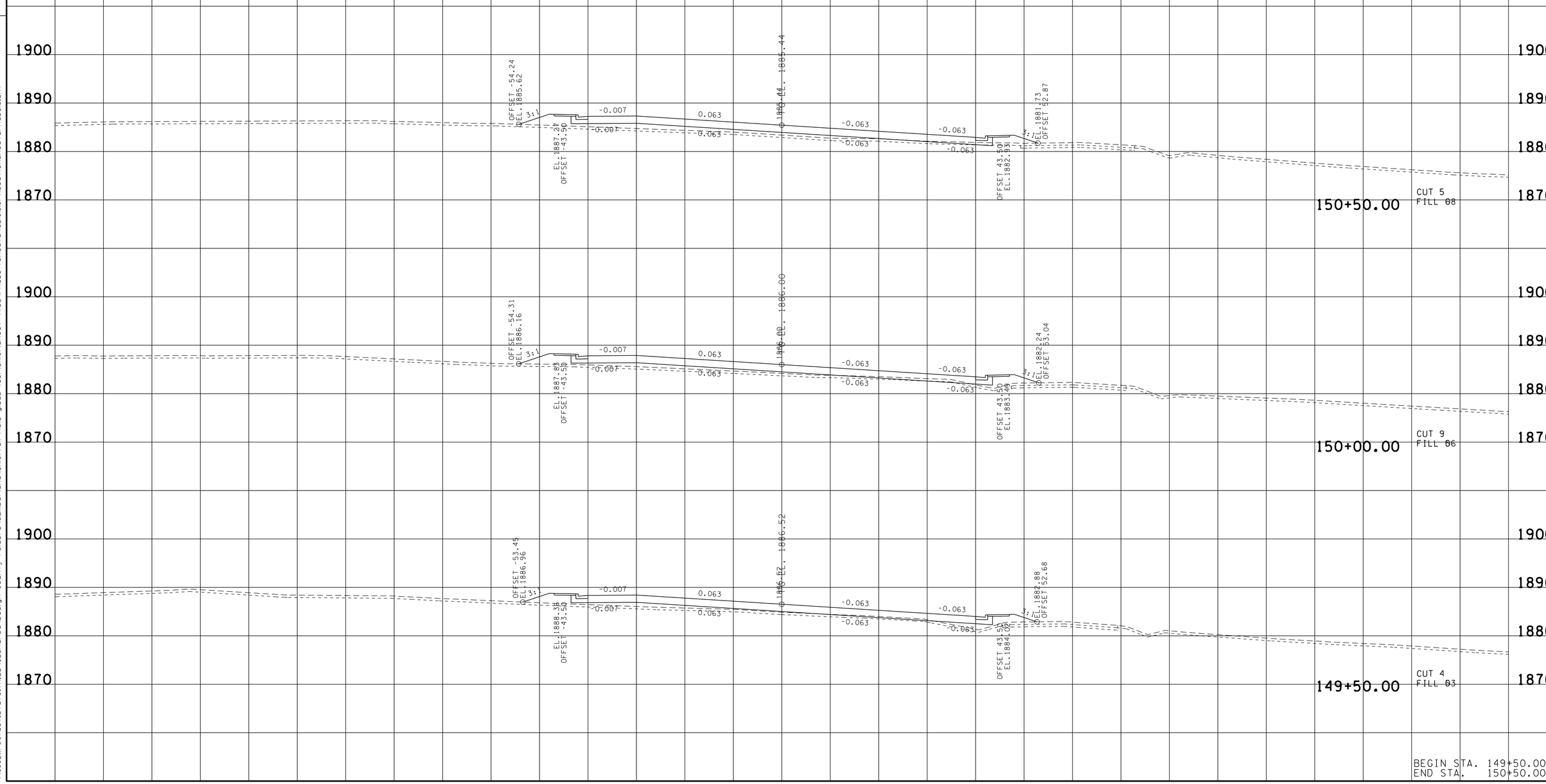
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	85
CONST.	2015	STP-101(16)	103

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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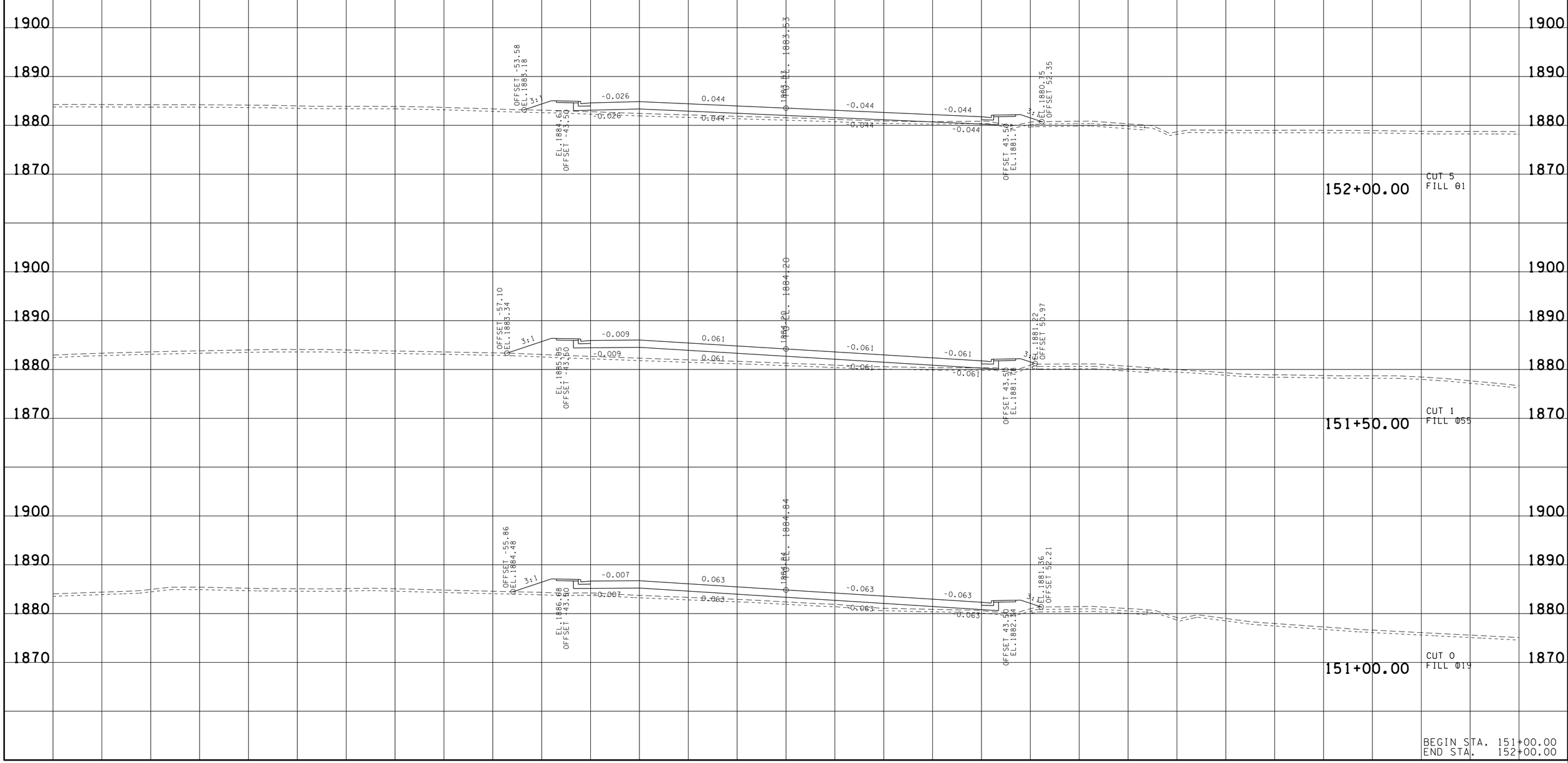
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	86
CONST.	2015	STP-101(16)	104

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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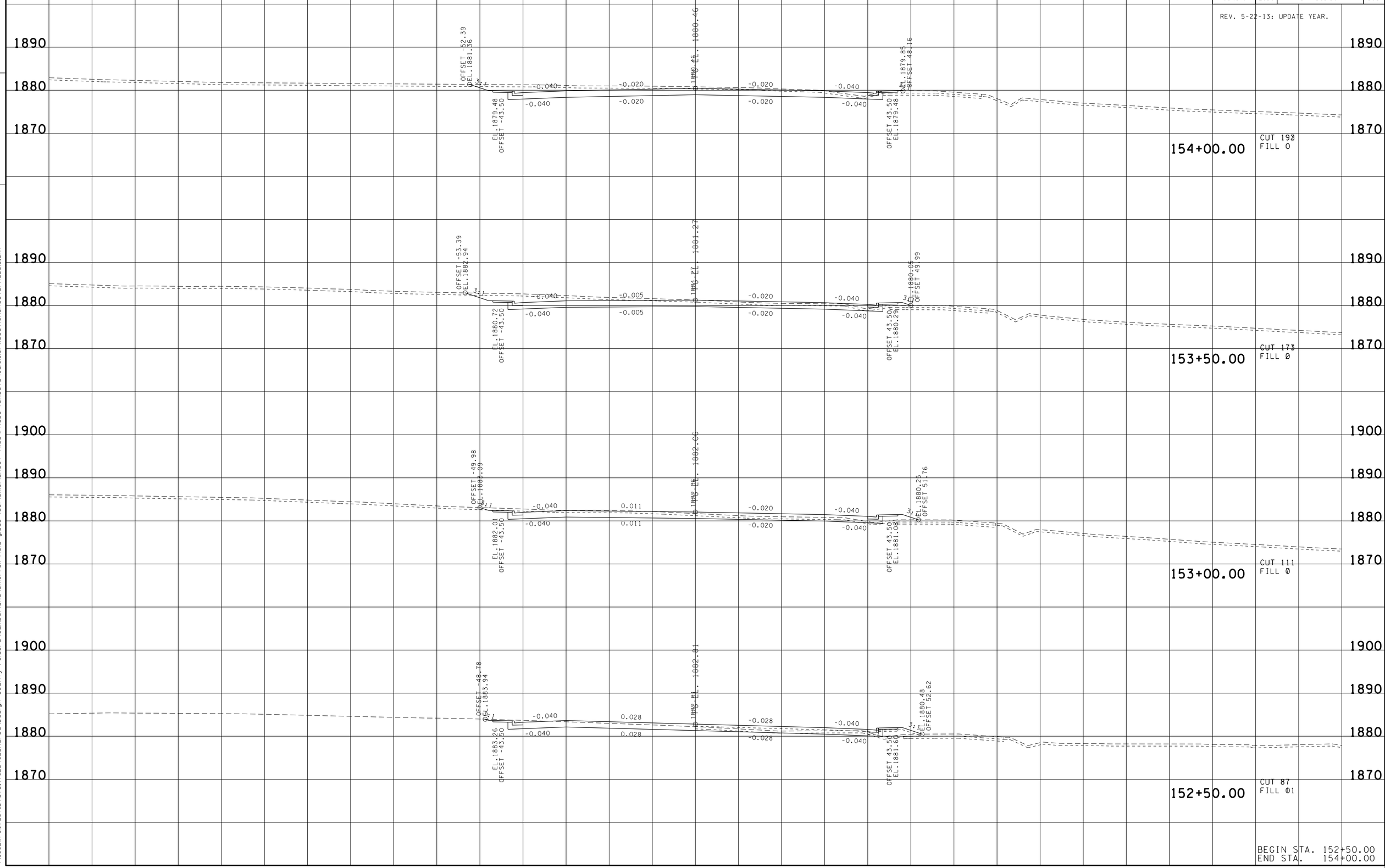
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	87
CONST.	2015	STP-101(16)	105

REV. 5-22-13: UPDATE YEAR.

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



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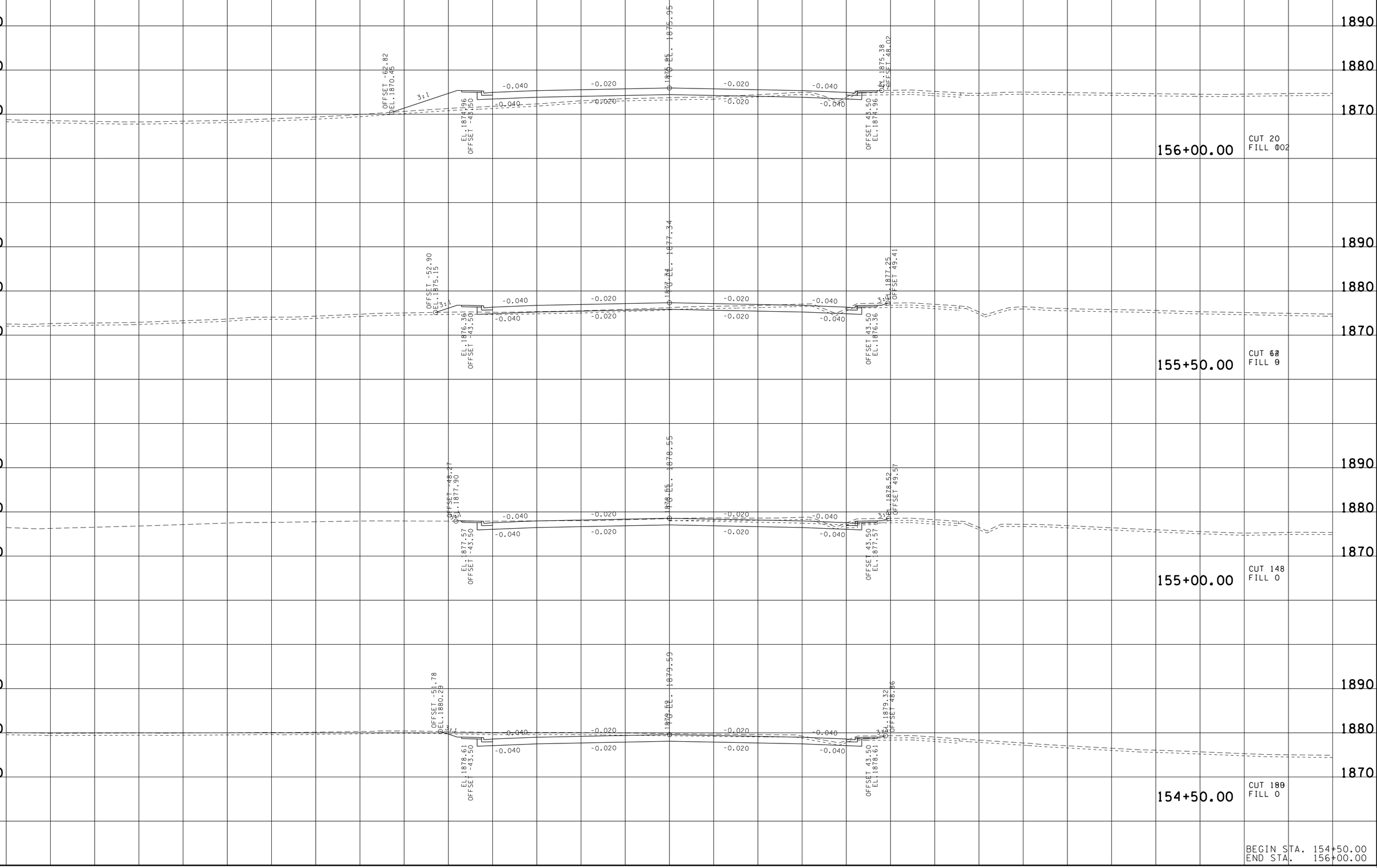
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	88
CONST.	2015	STP-101(16)	106

REV. 5-22-13: UPDATE YEAR.

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



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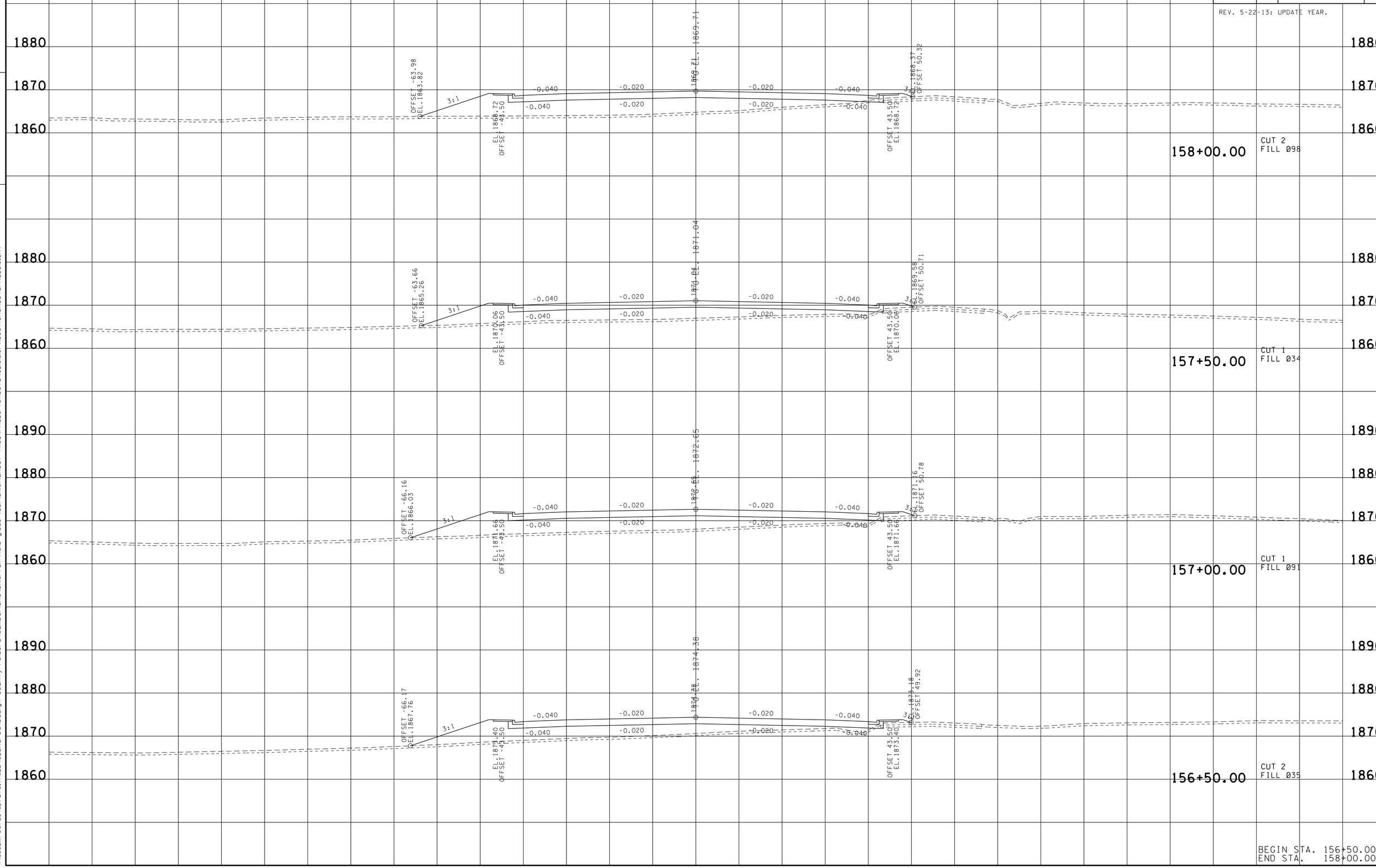
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	89
CONST.	2015	STP-101(16)	107

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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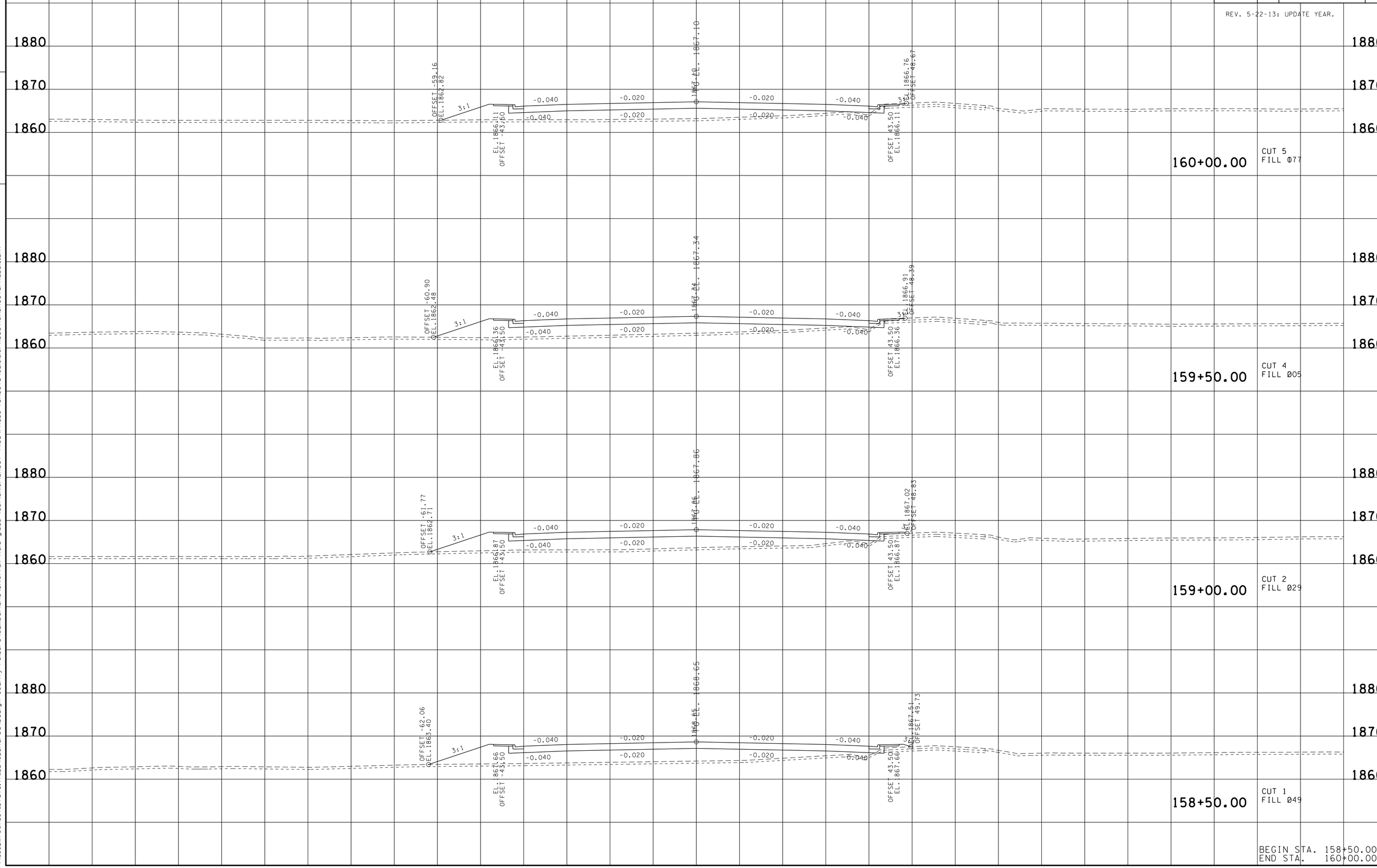
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	90
CONST.	2015	STP-101(16)	108

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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END STA. 160+00.00

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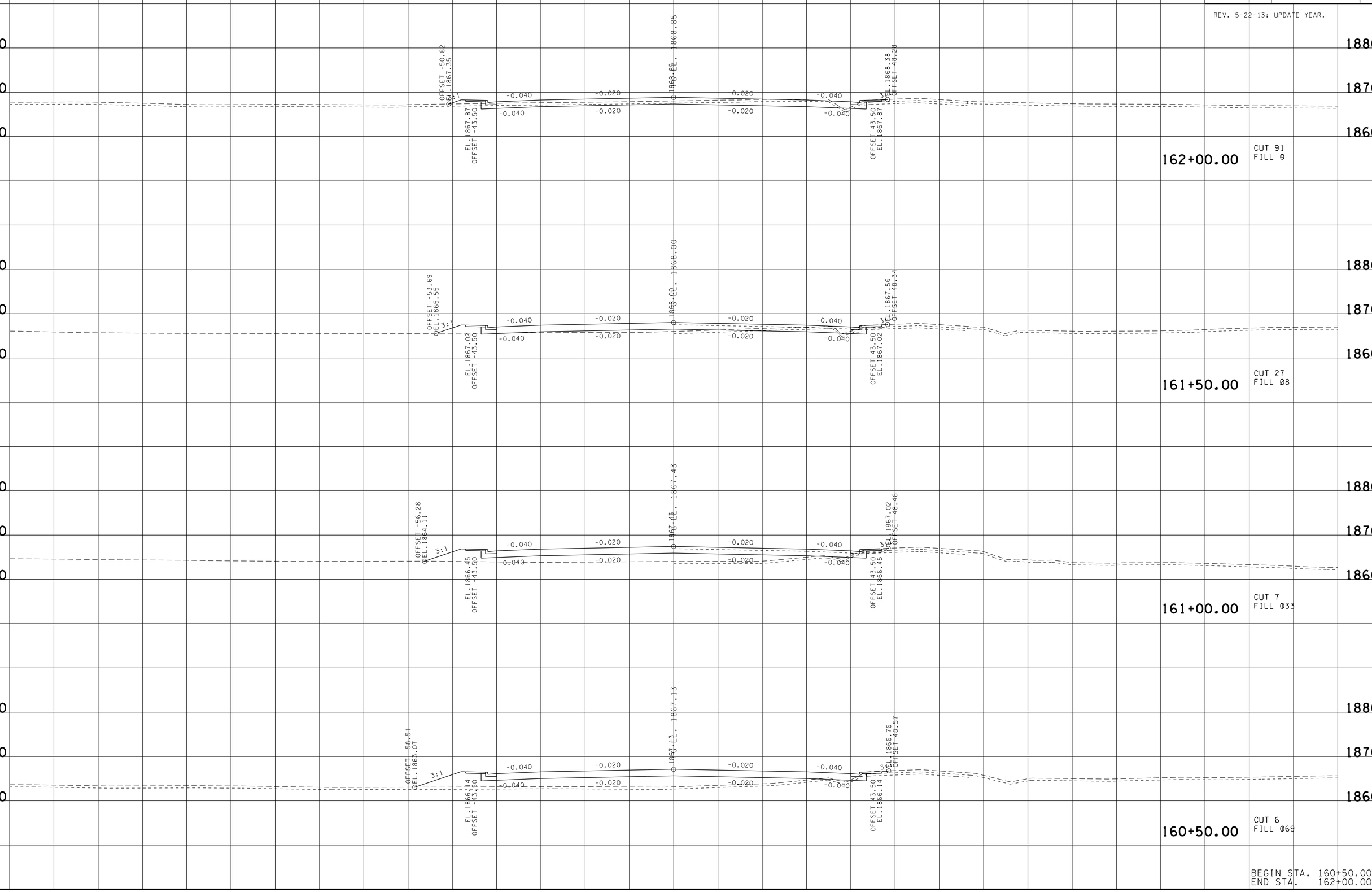
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	91
CONST.	2015	STP-101(16)	109

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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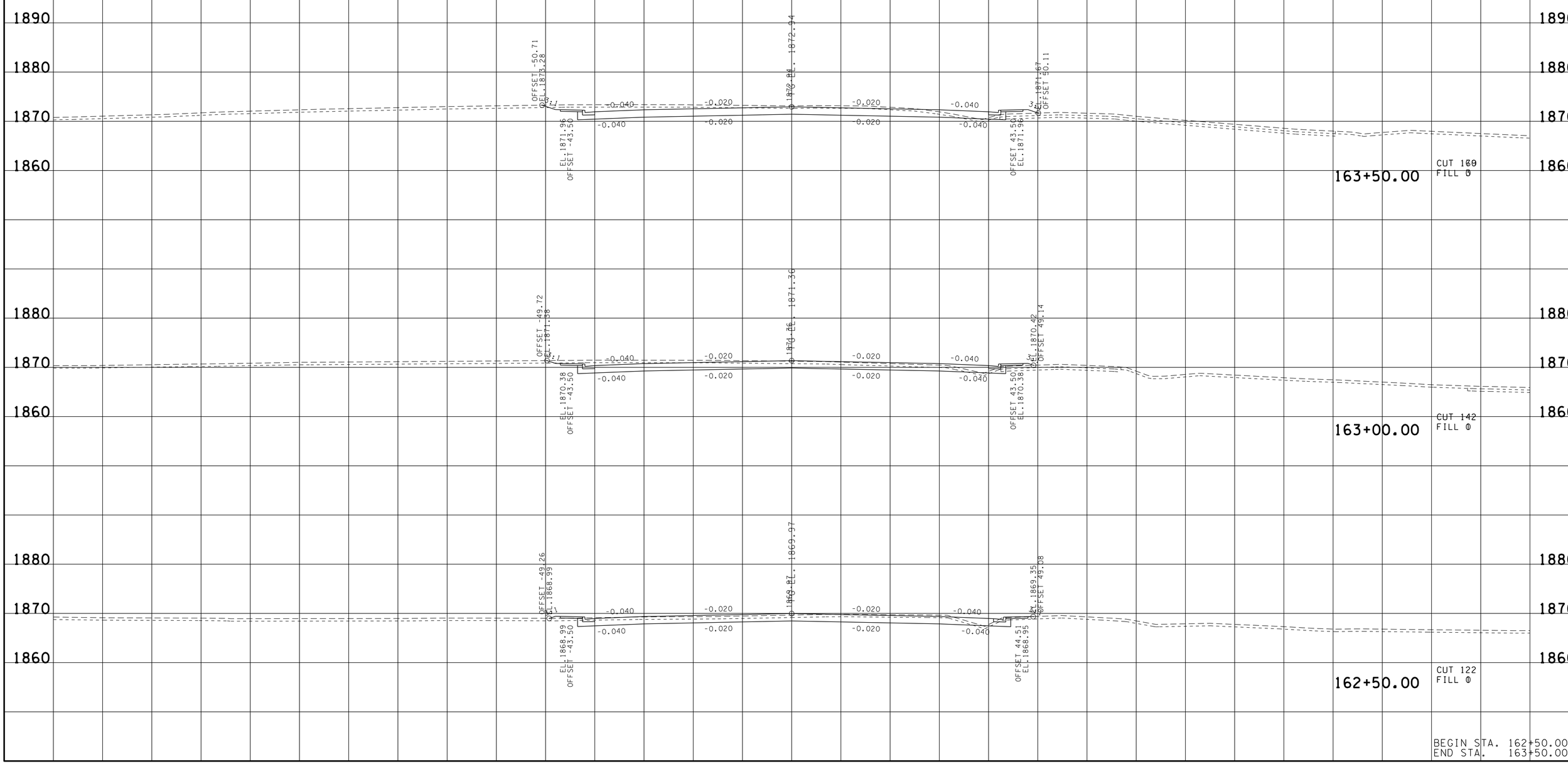
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	92
CONST.	2015	STP-101(16)	110

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 162+50.00
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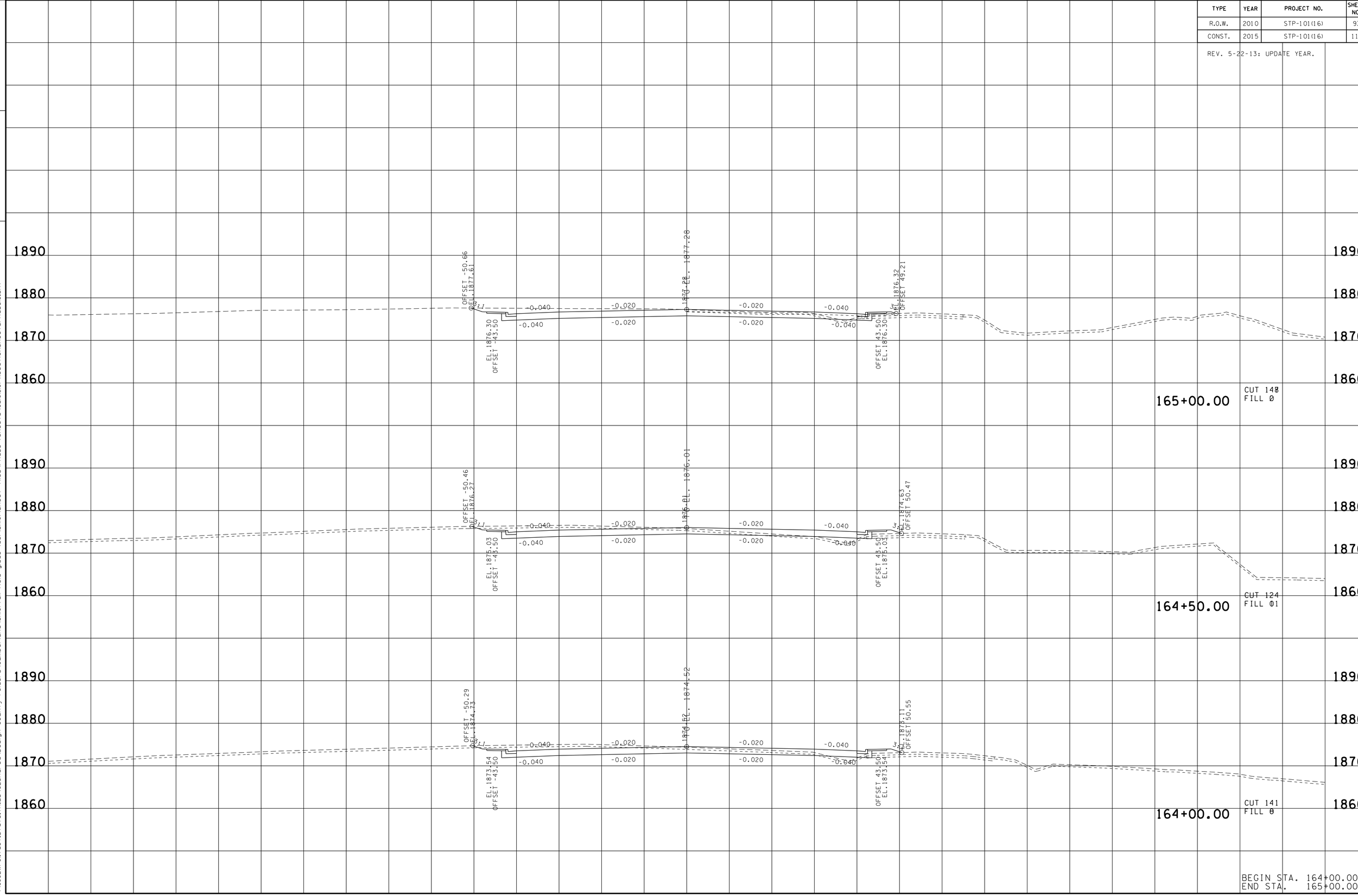
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	93
CONST.	2015	STP-101(16)	111

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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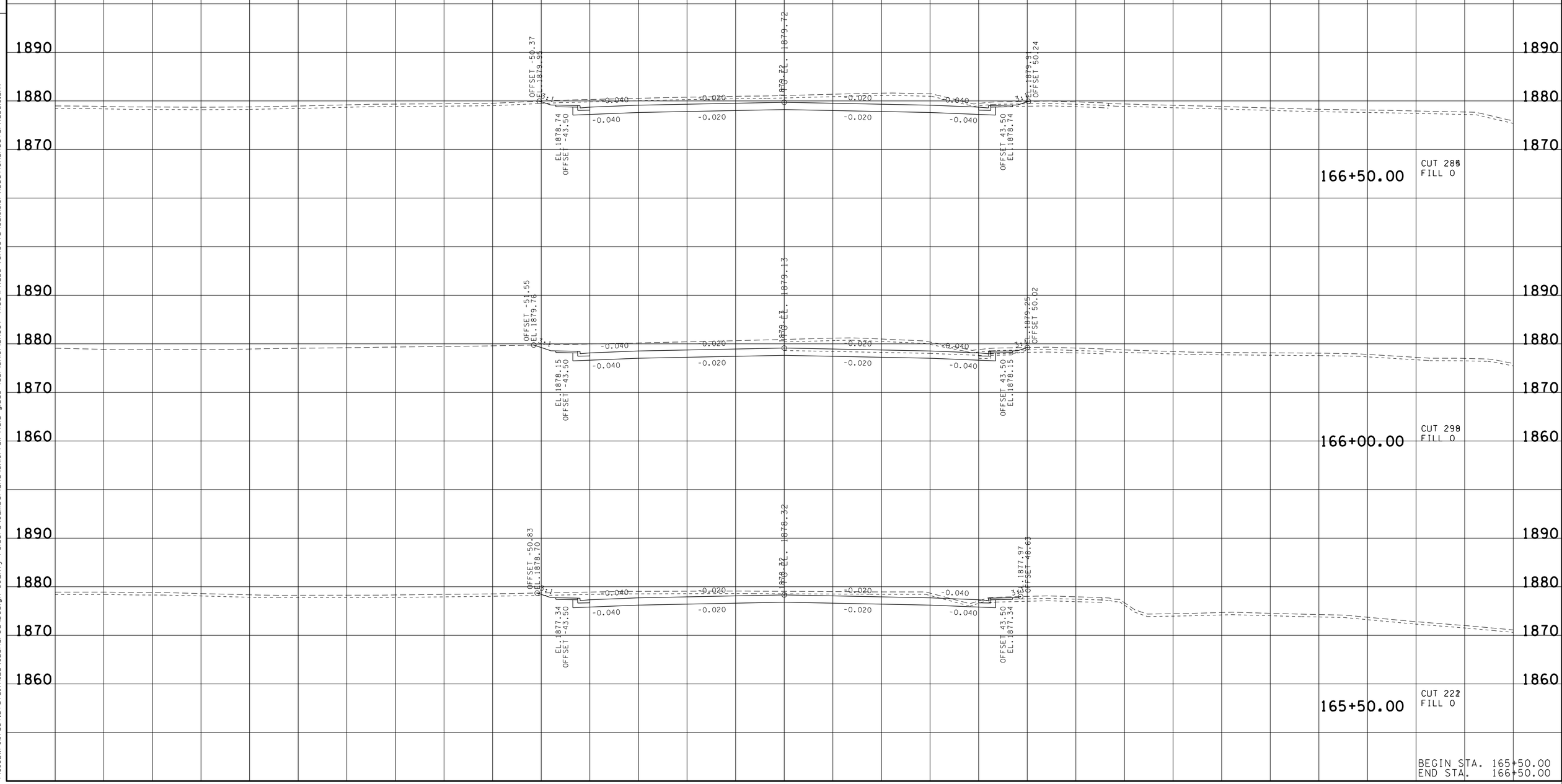
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	94
CONST.	2015	STP-101(16)	112

REV. 5-22-13: UPDATE YEAR.

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



BEGIN STA. 165+50.00
END STA. 166+50.00

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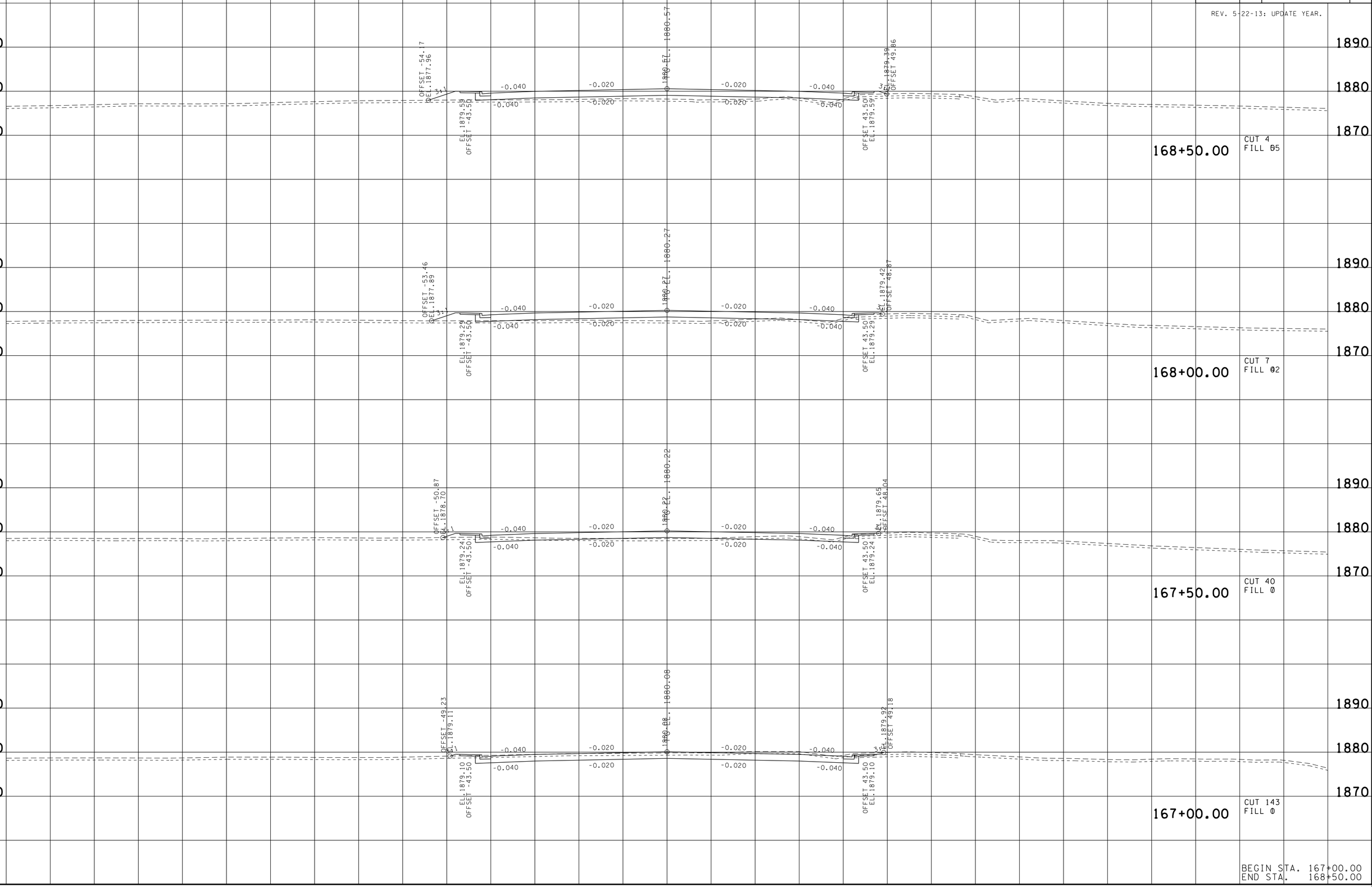
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	95
CONST.	2015	STP-101(16)	113

REV. 5-22-13: UPDATE YEAR.

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



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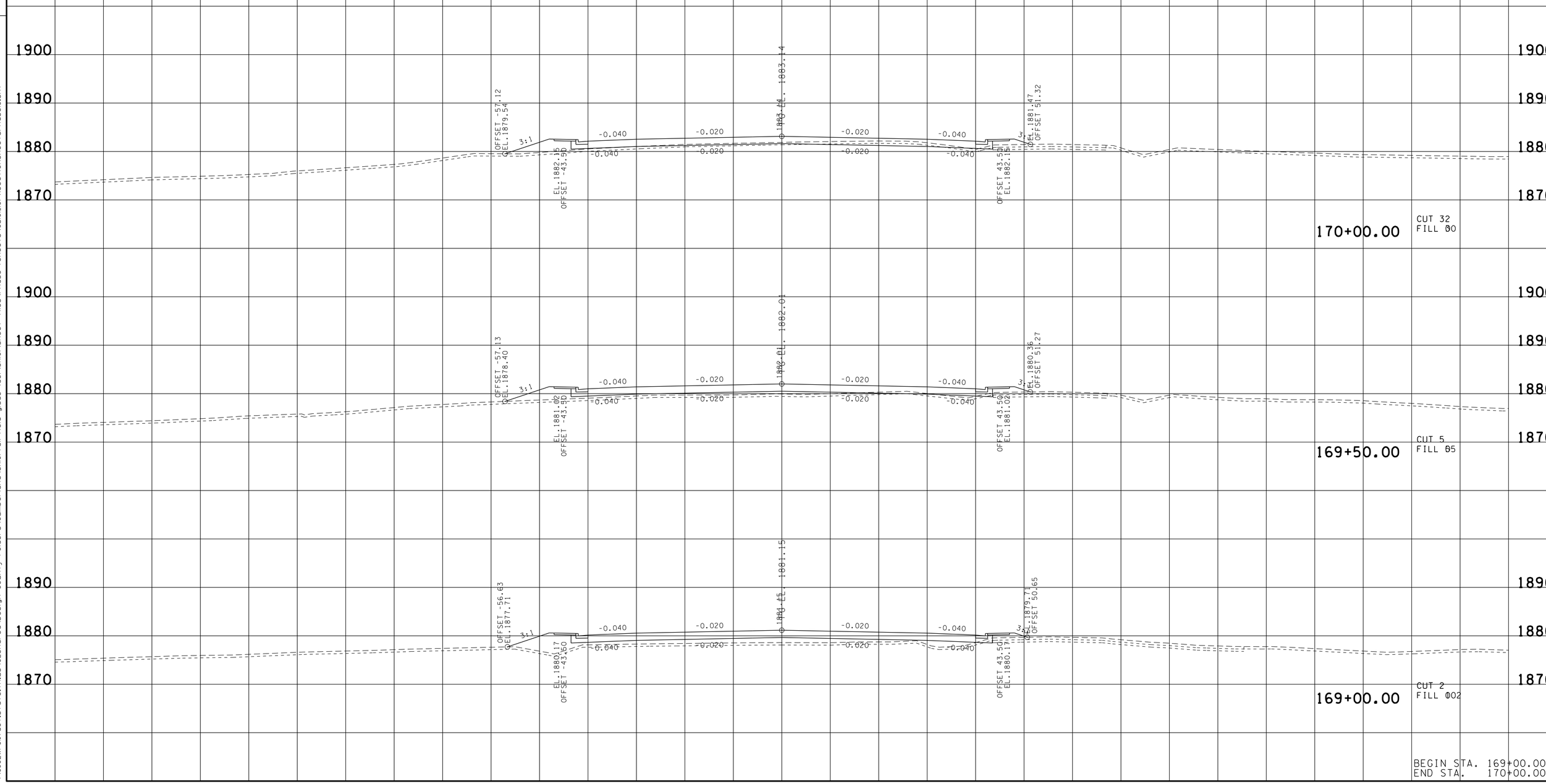
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	96
CONST.	2015	STP-101(16)	114

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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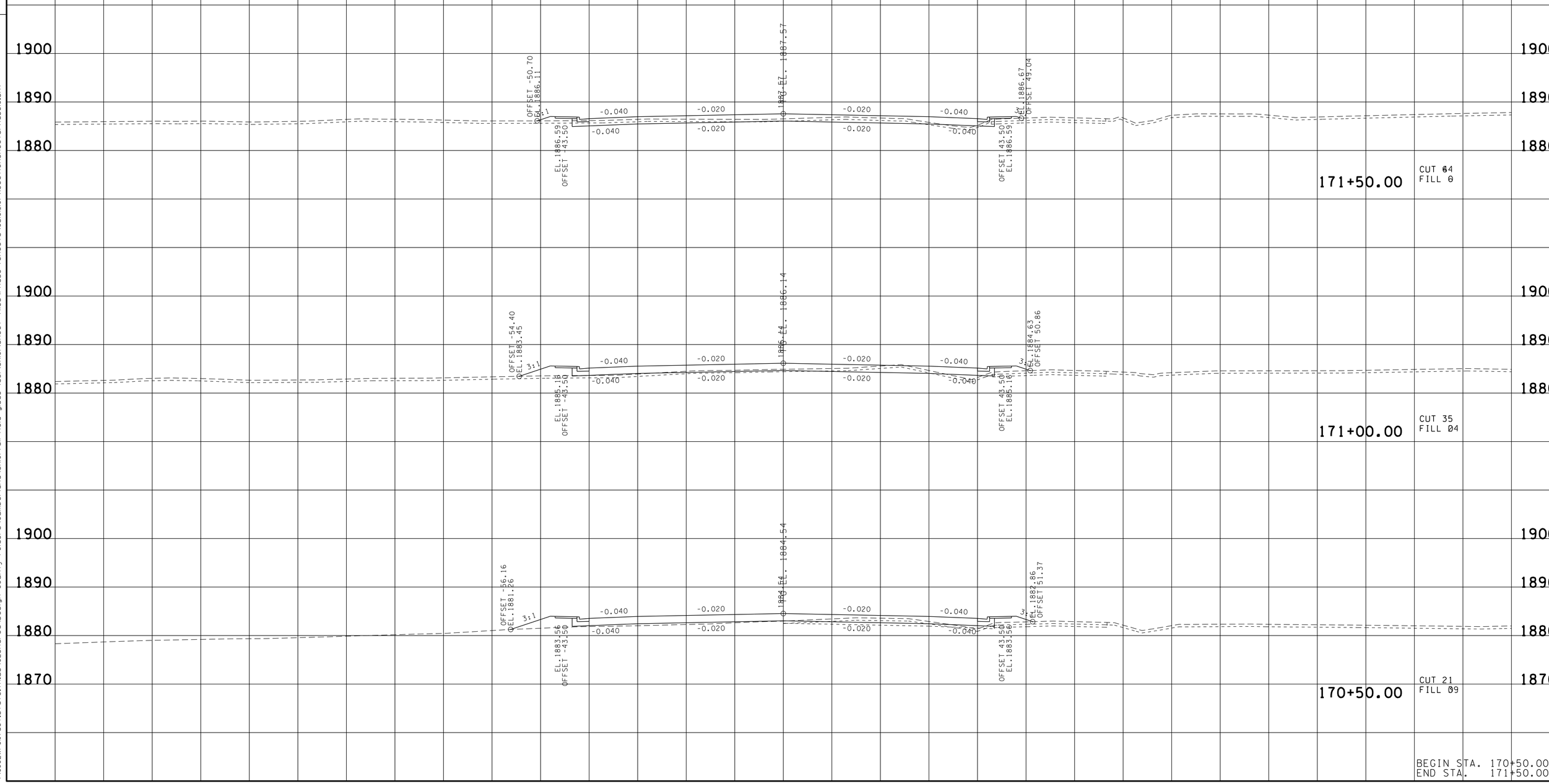
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	97
CONST.	2015	STP-101(16)	115

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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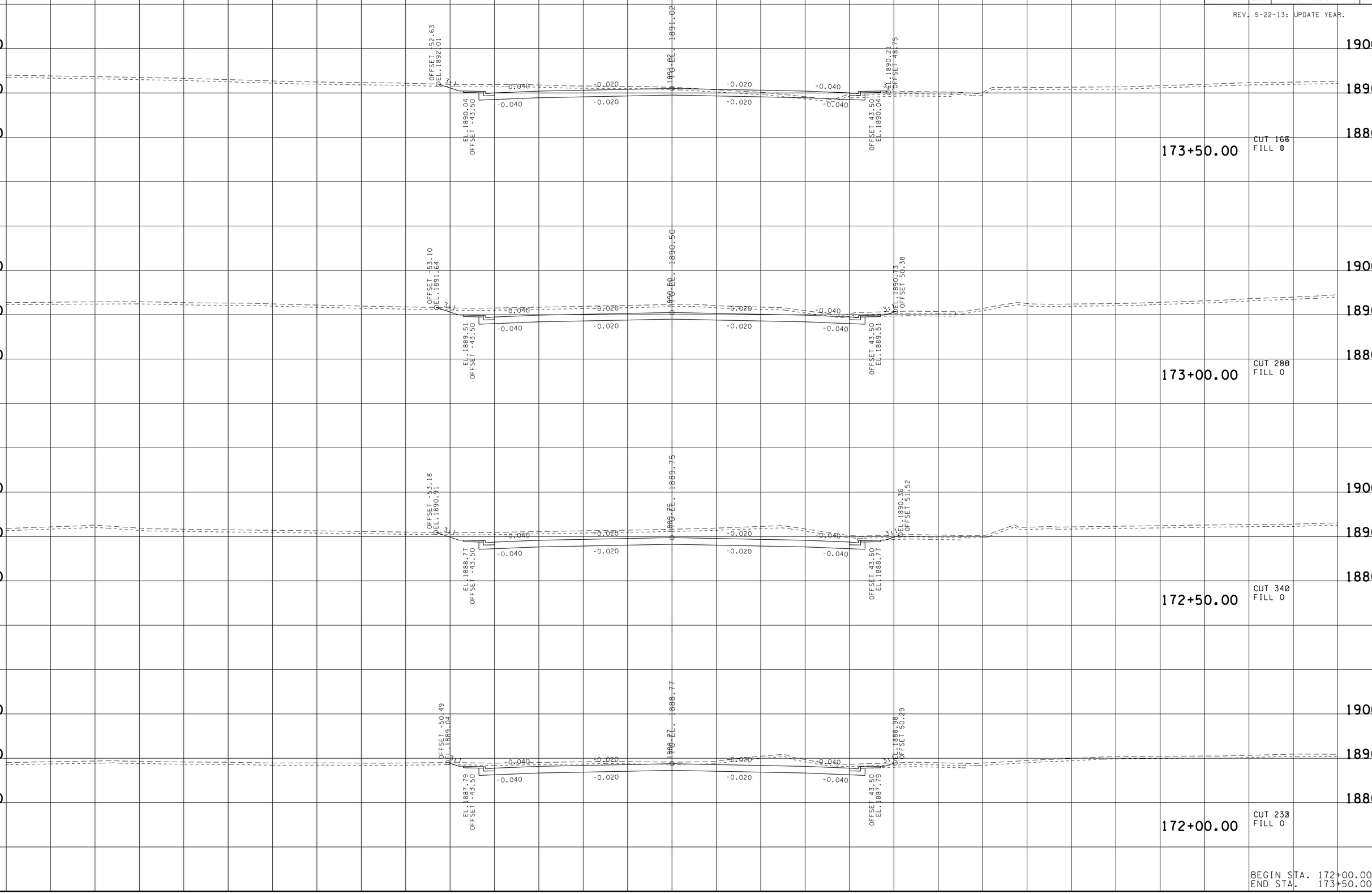
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	98
CONST.	2015	STP-101(16)	116

REV. 5-22-13: UPDATE YEAR.

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



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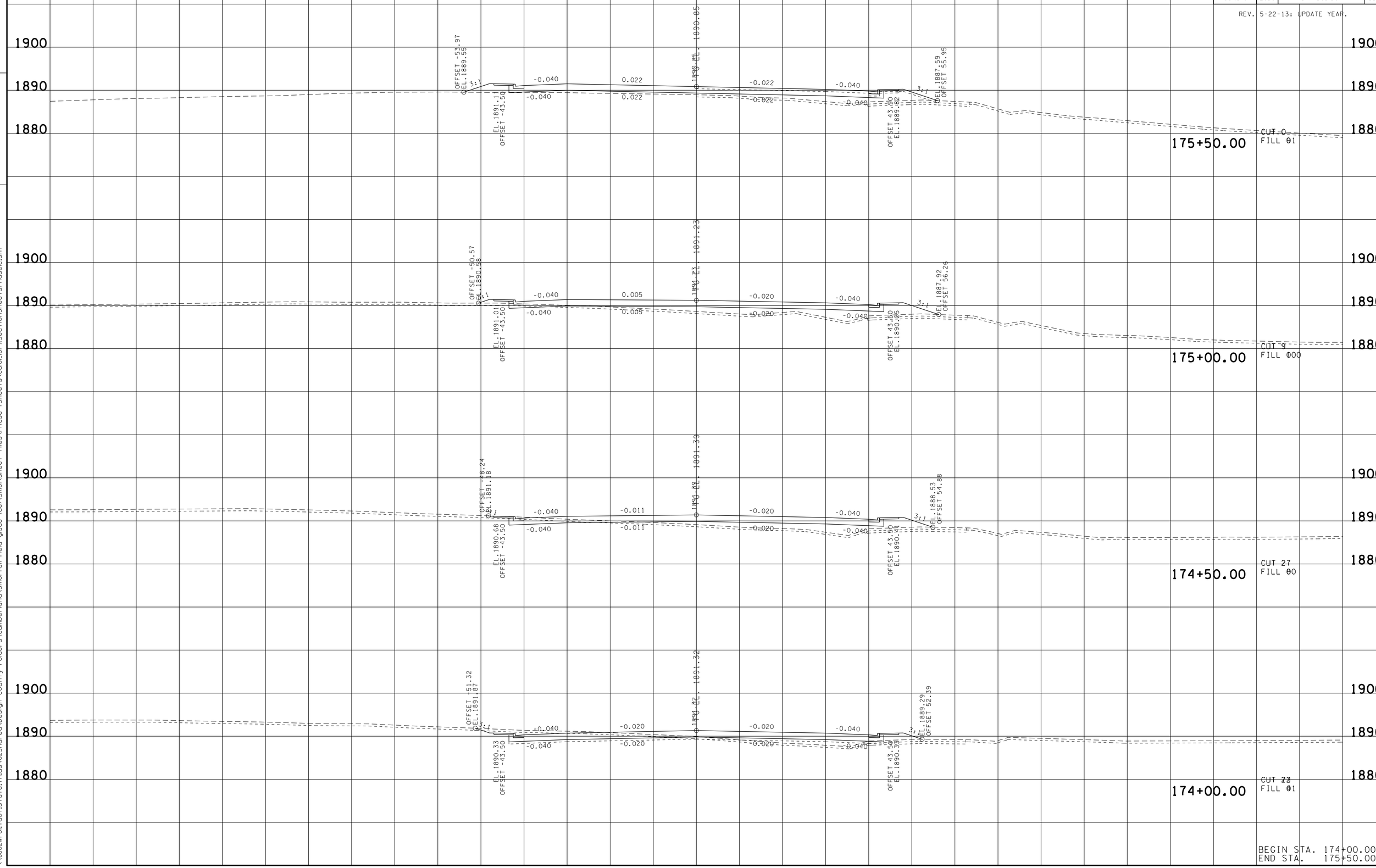
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	99
CONST.	2015	STP-101(16)	117

REV. 5-22-13: UPDATE YEAR.



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TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

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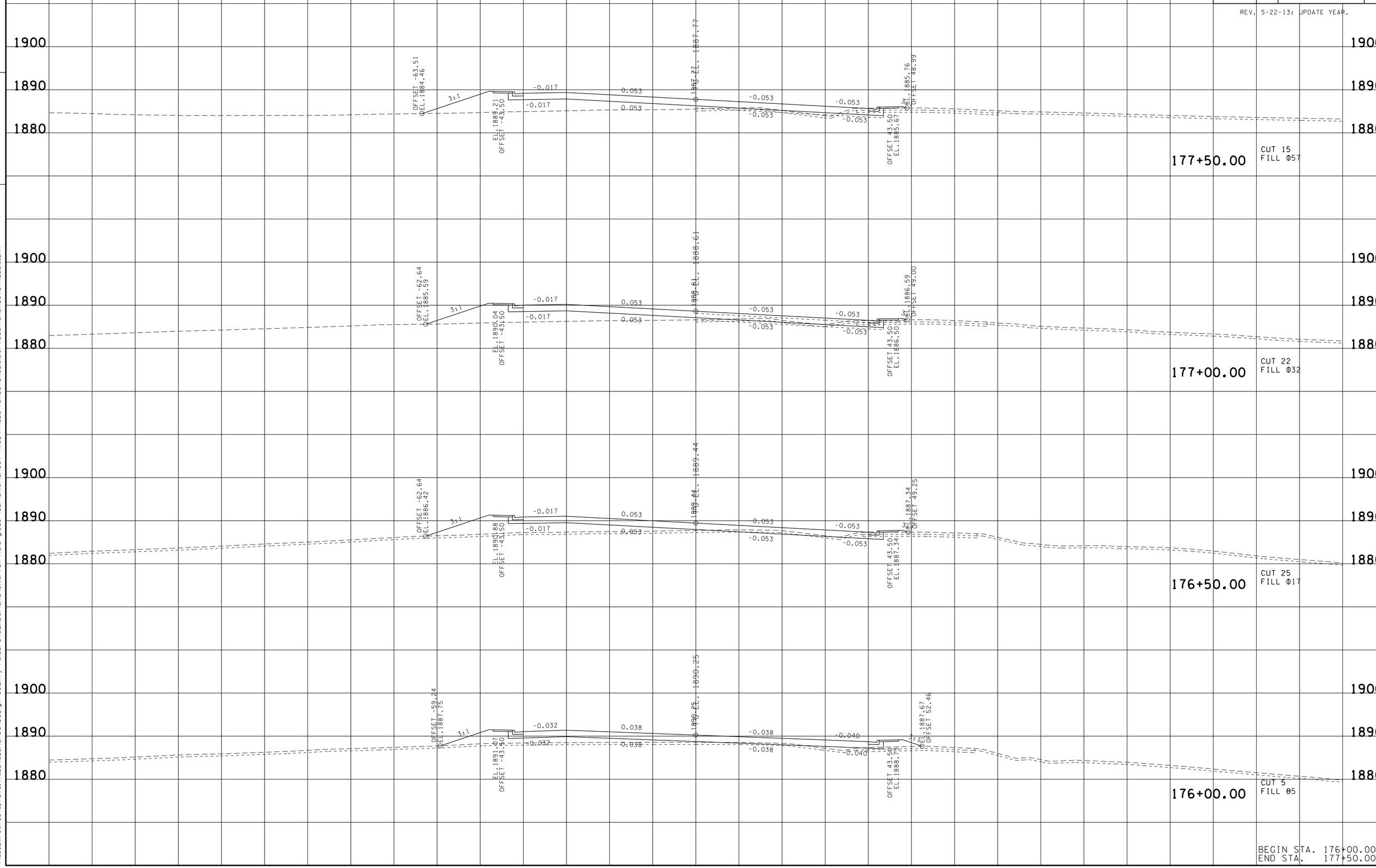
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	100
CONST.	2015	STP-101(16)	118

REV. 5-22-13: UPDATE YEAR.

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



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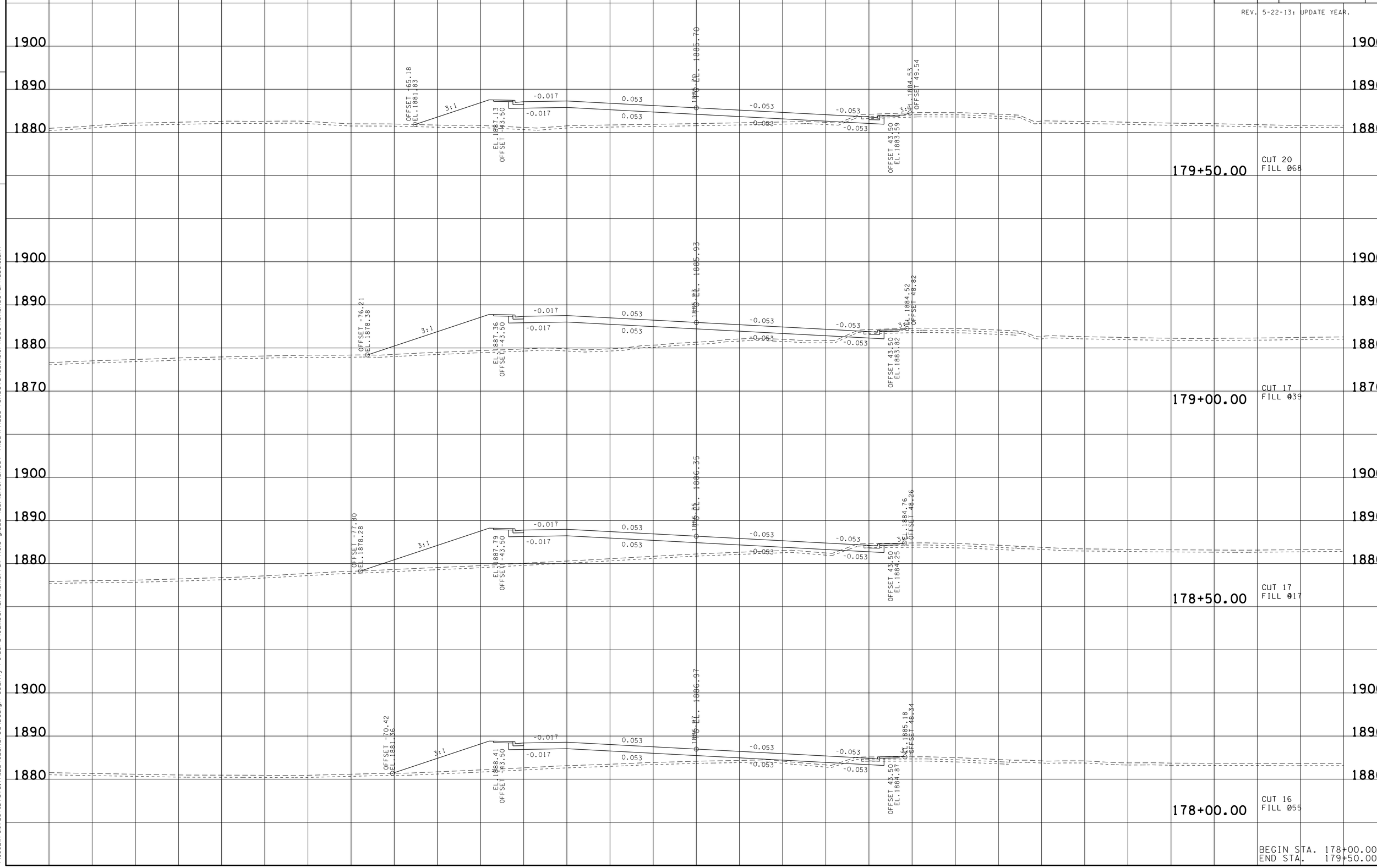
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	101
CONST.	2015	STP-101(16)	119

REV. 5-22-13: UPDATE YEAR.

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



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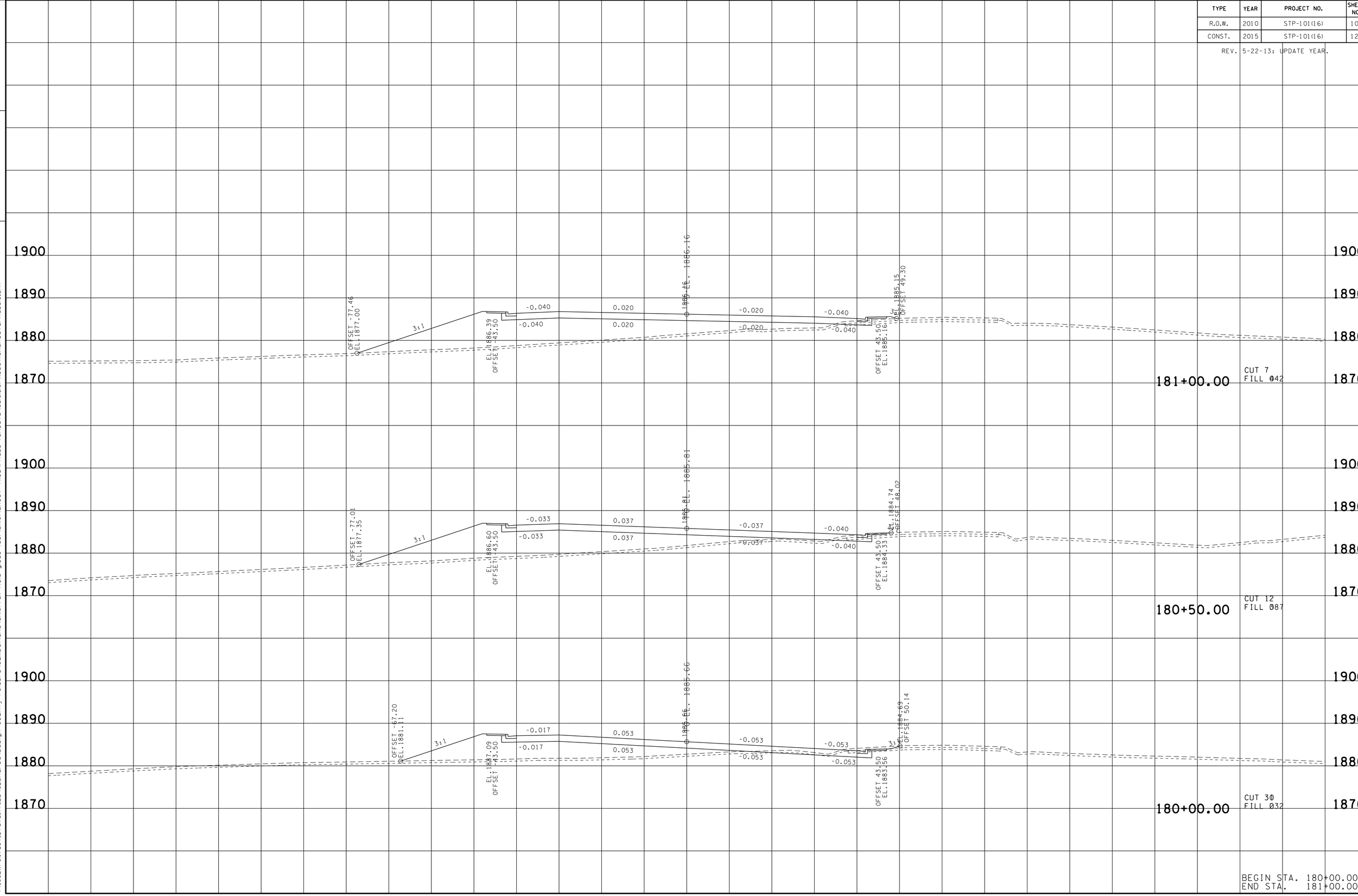
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	102
CONST.	2015	STP-101(16)	120

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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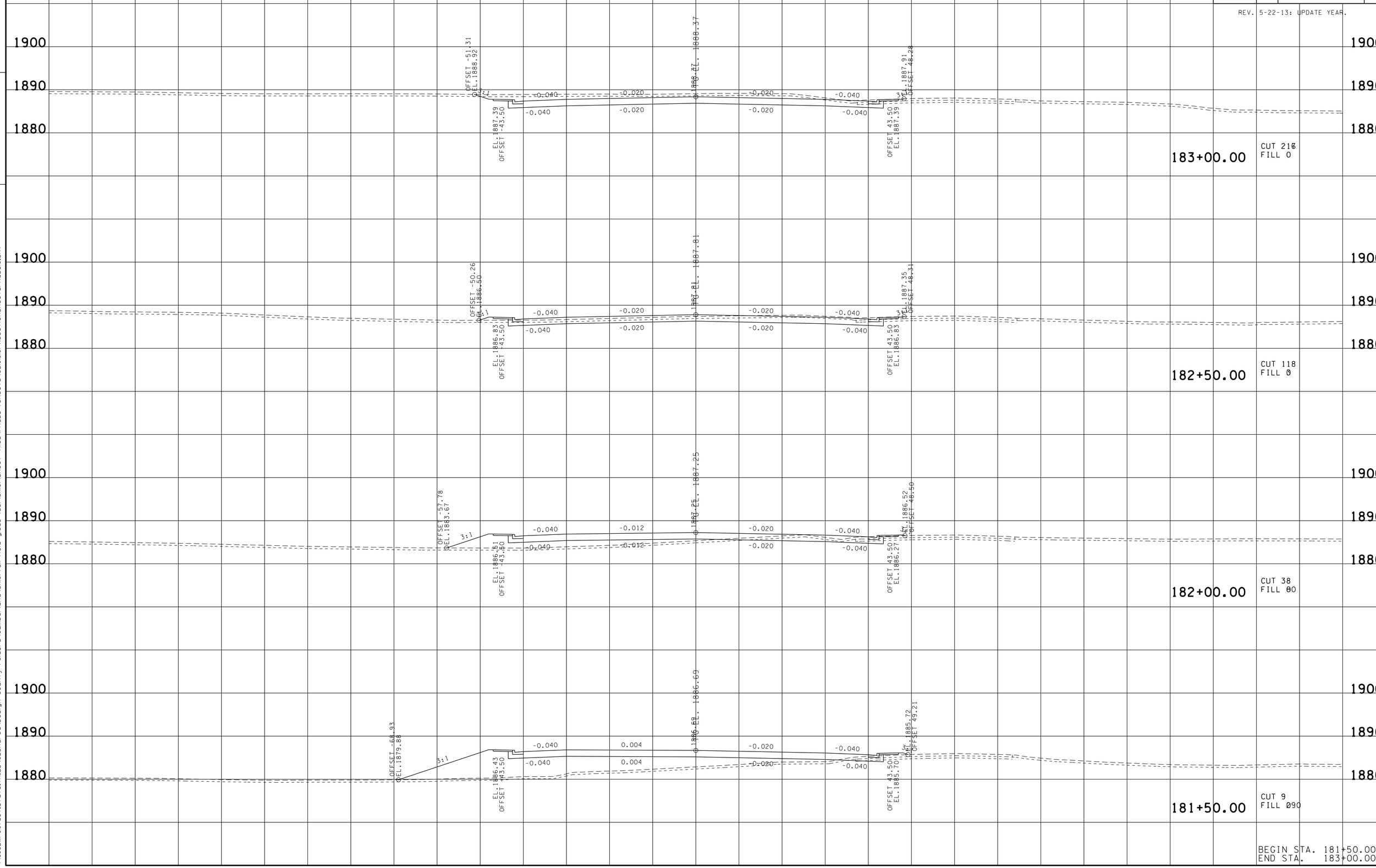
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	103
CONST.	2015	STP-101(16)	121

REV. 5-22-13: UPDATE YEAR.

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



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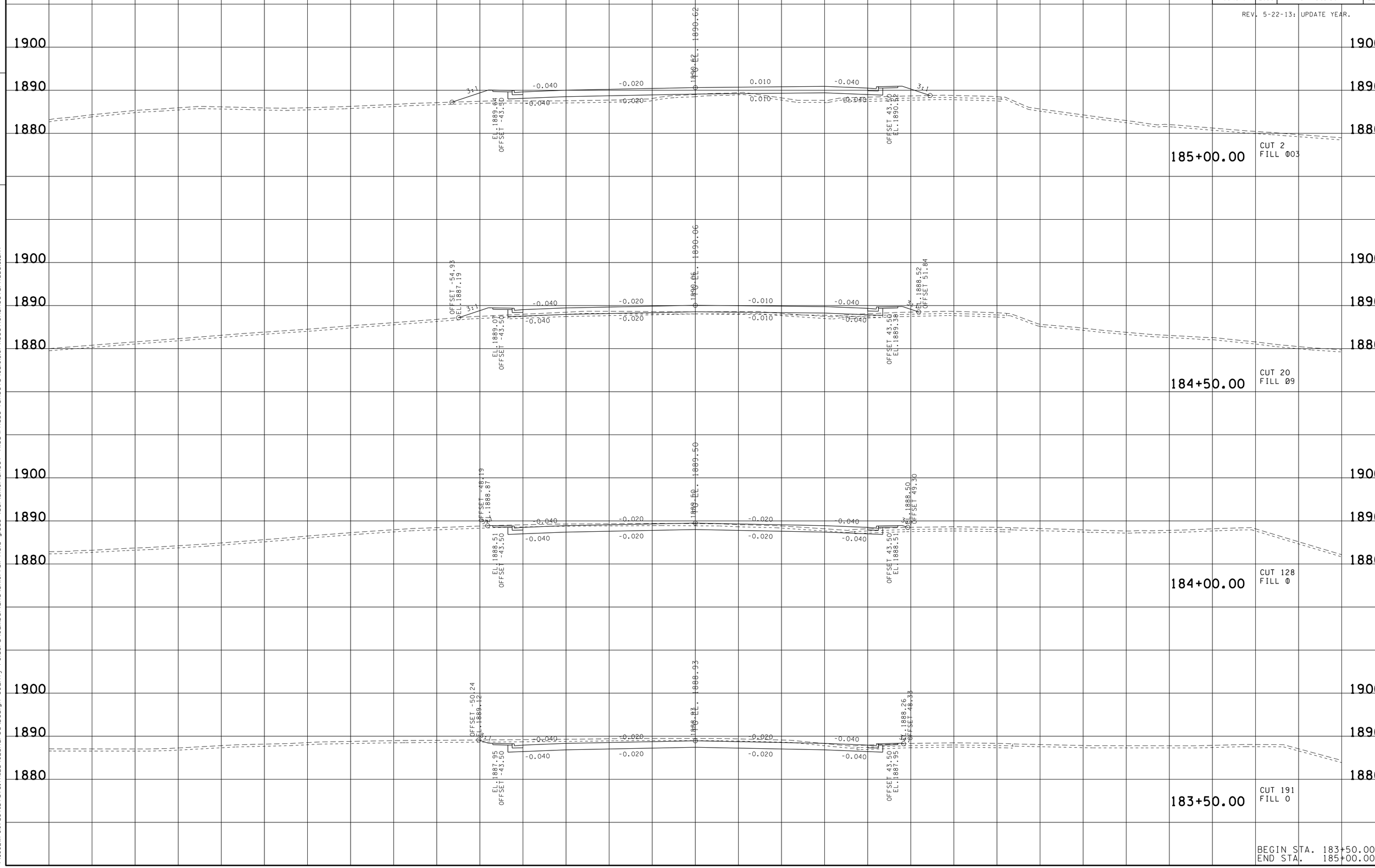
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	104
CONST.	2015	STP-101(16)	122

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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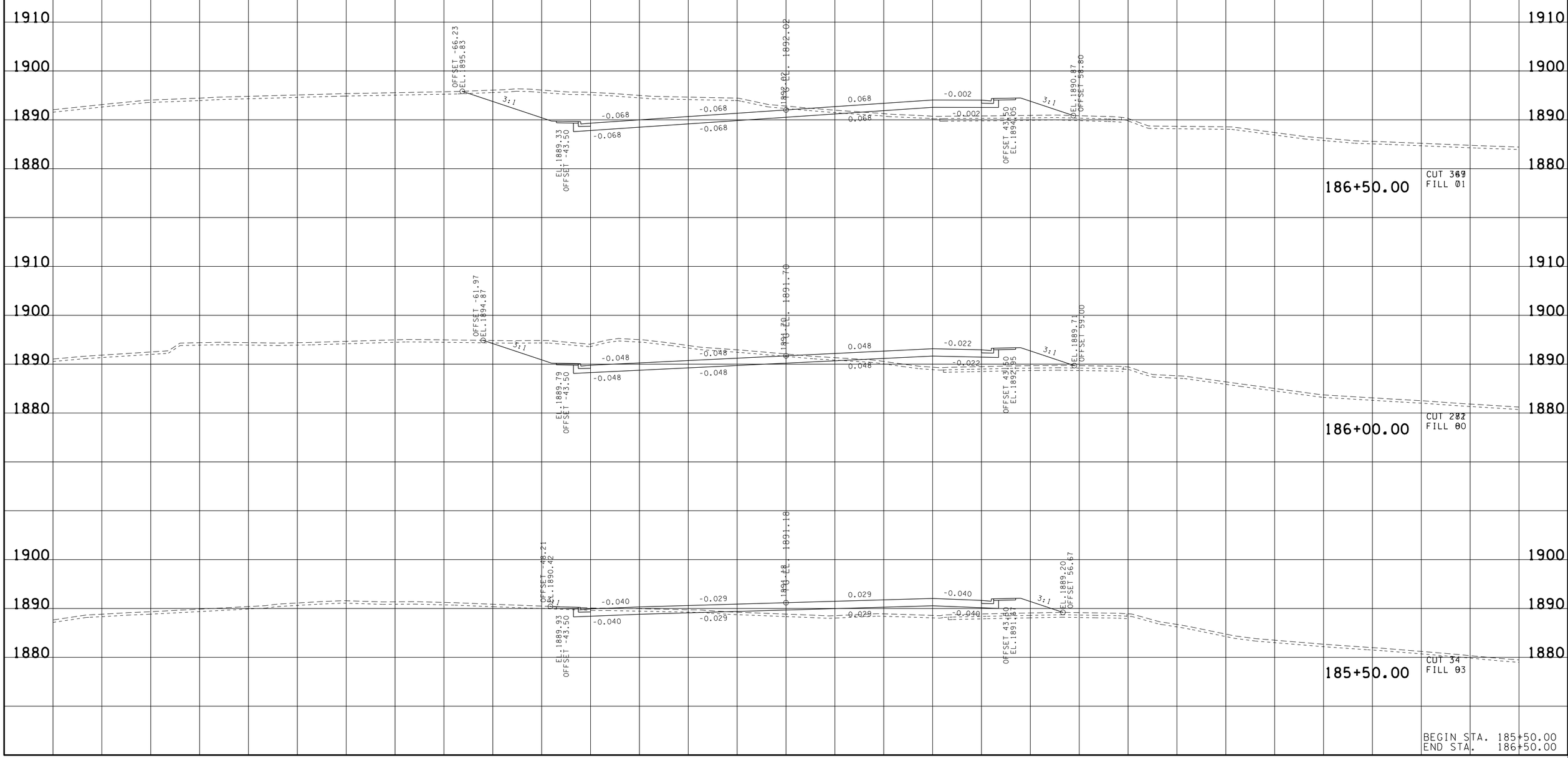
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	105
CONST.	2015	STP-101(16)	123

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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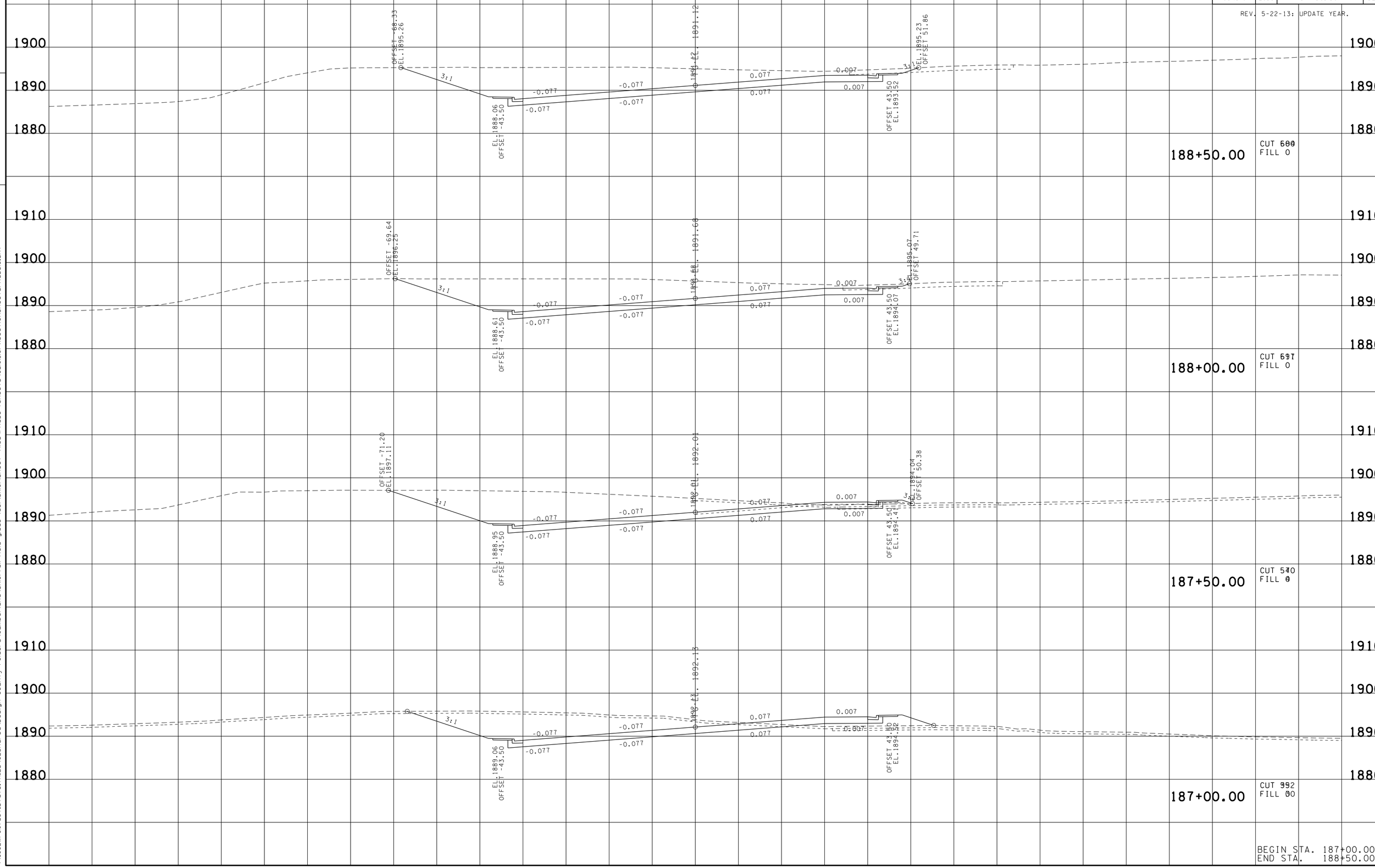
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	106
CONST.	2015	STP-101(16)	124

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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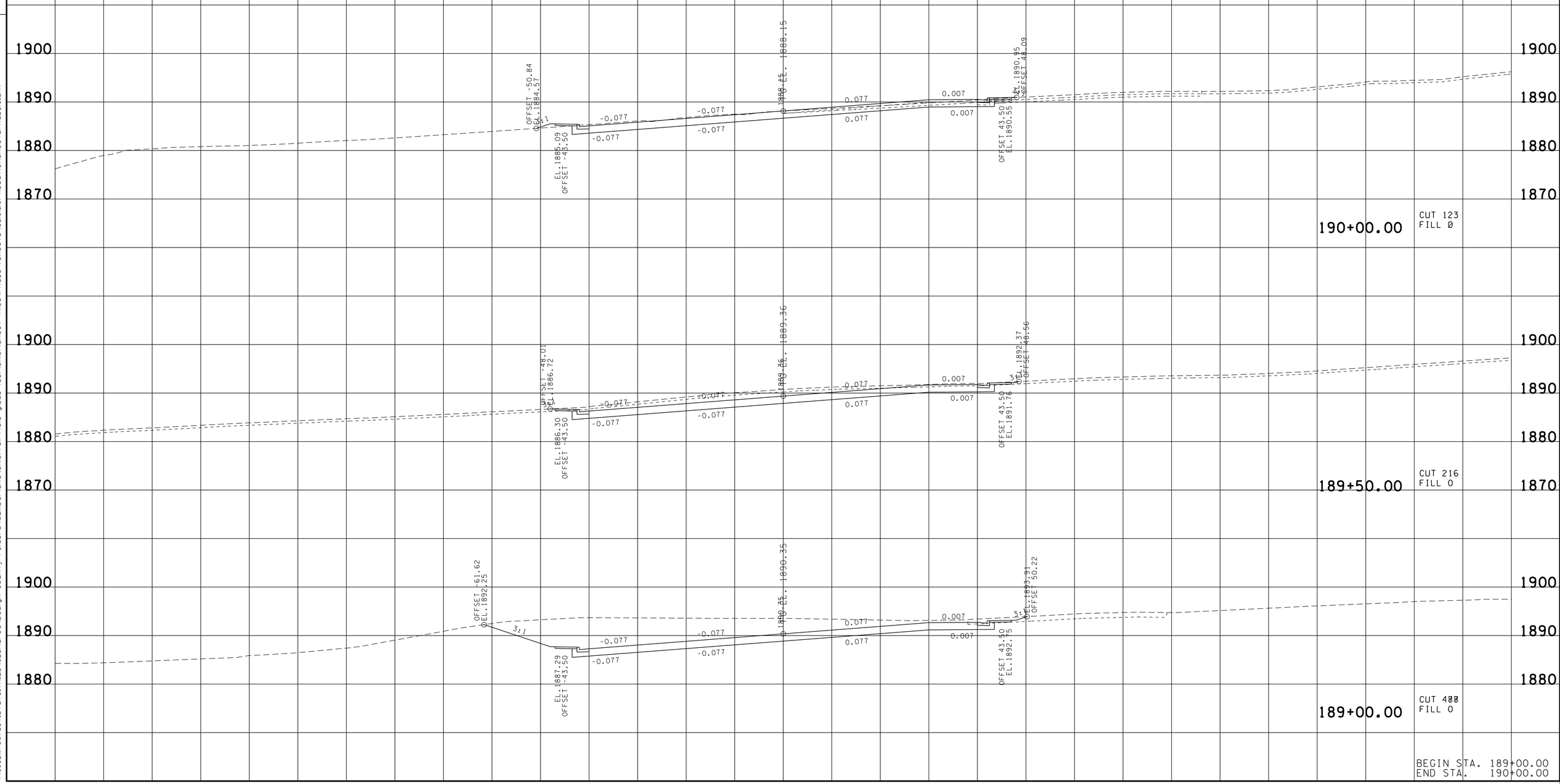
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	107
CONST.	2015	STP-101(16)	125

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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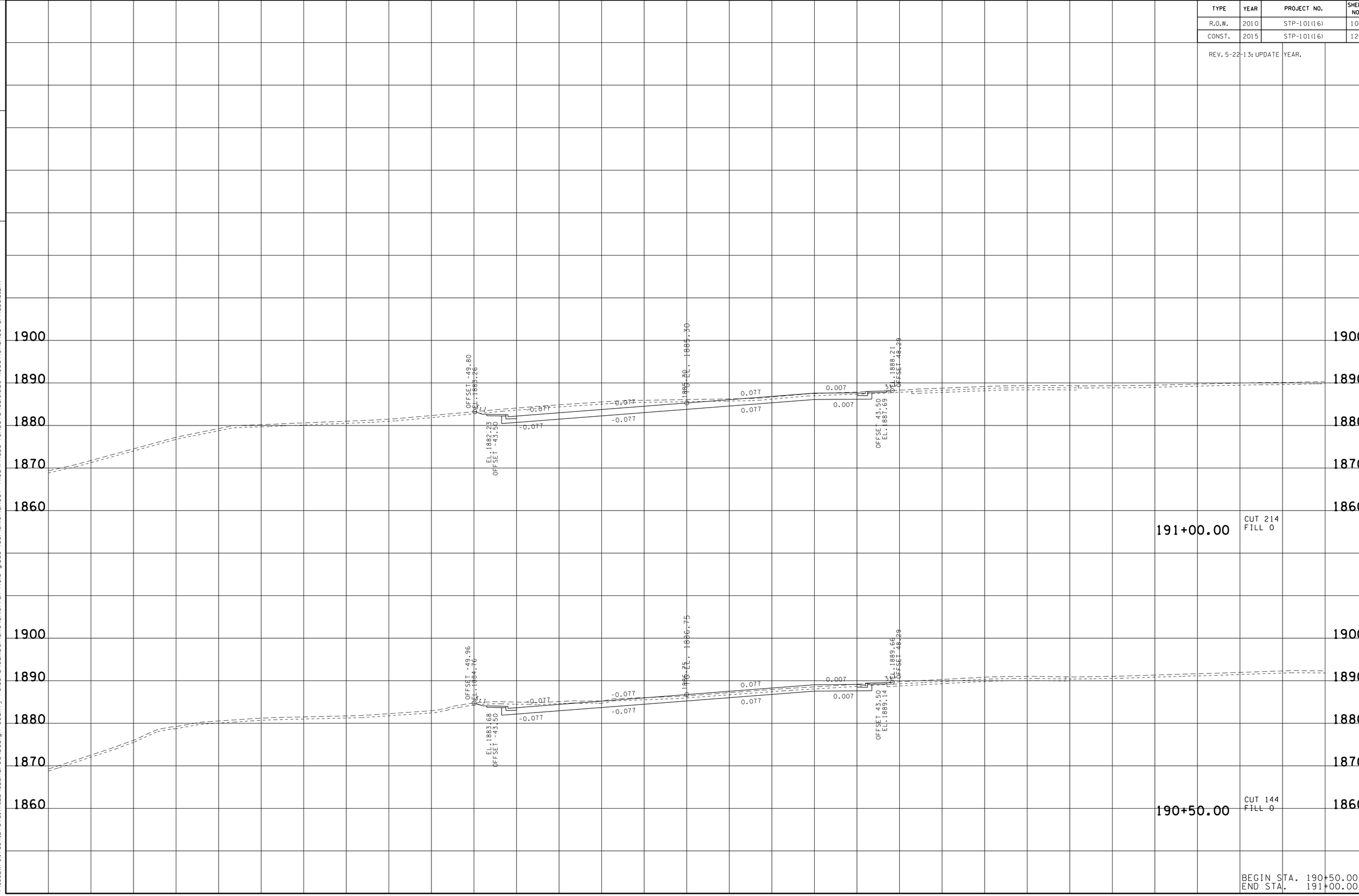
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	108
CONST.	2015	STP-101(16)	126

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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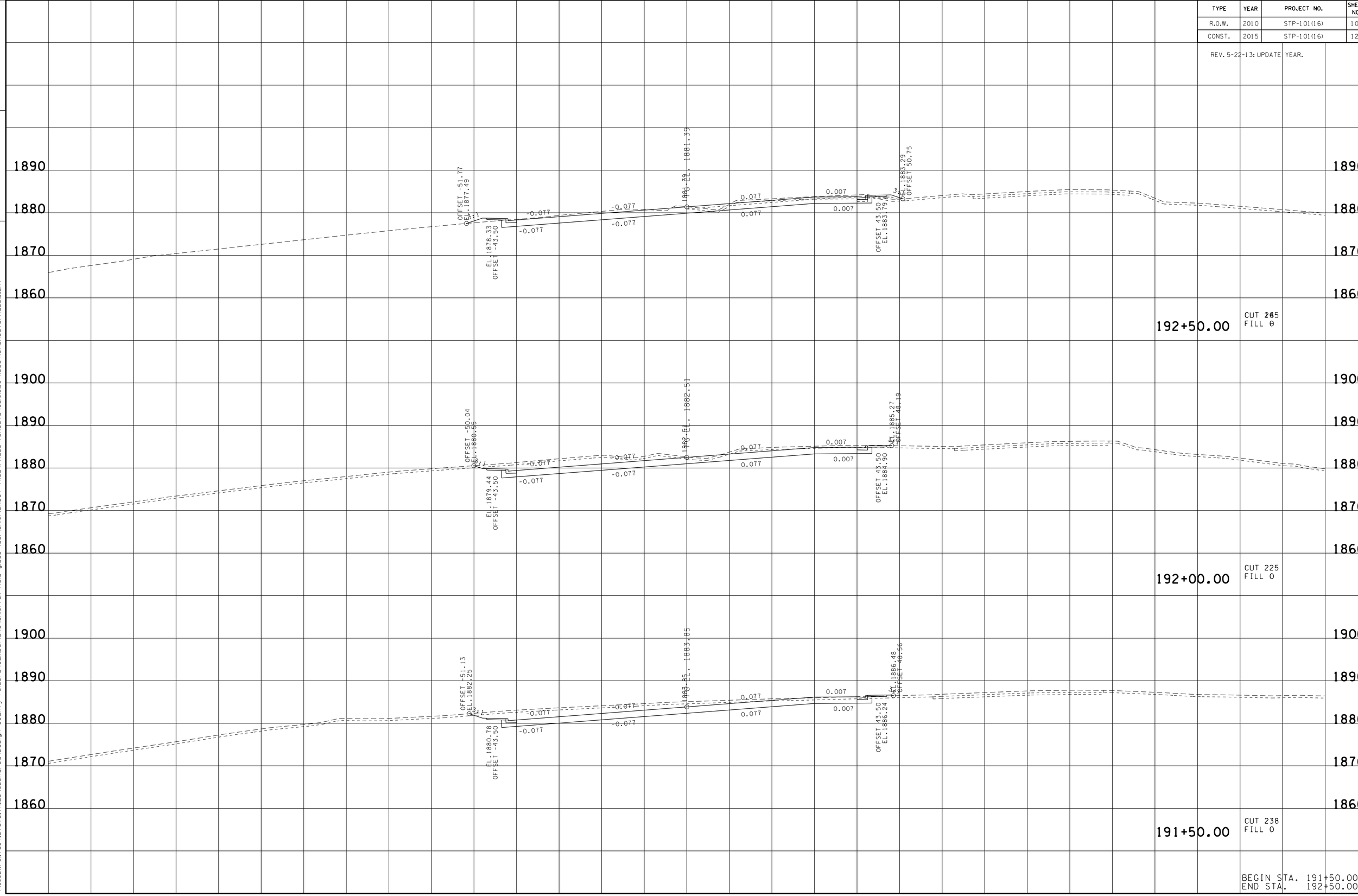
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	109
CONST.	2015	STP-101(16)	127

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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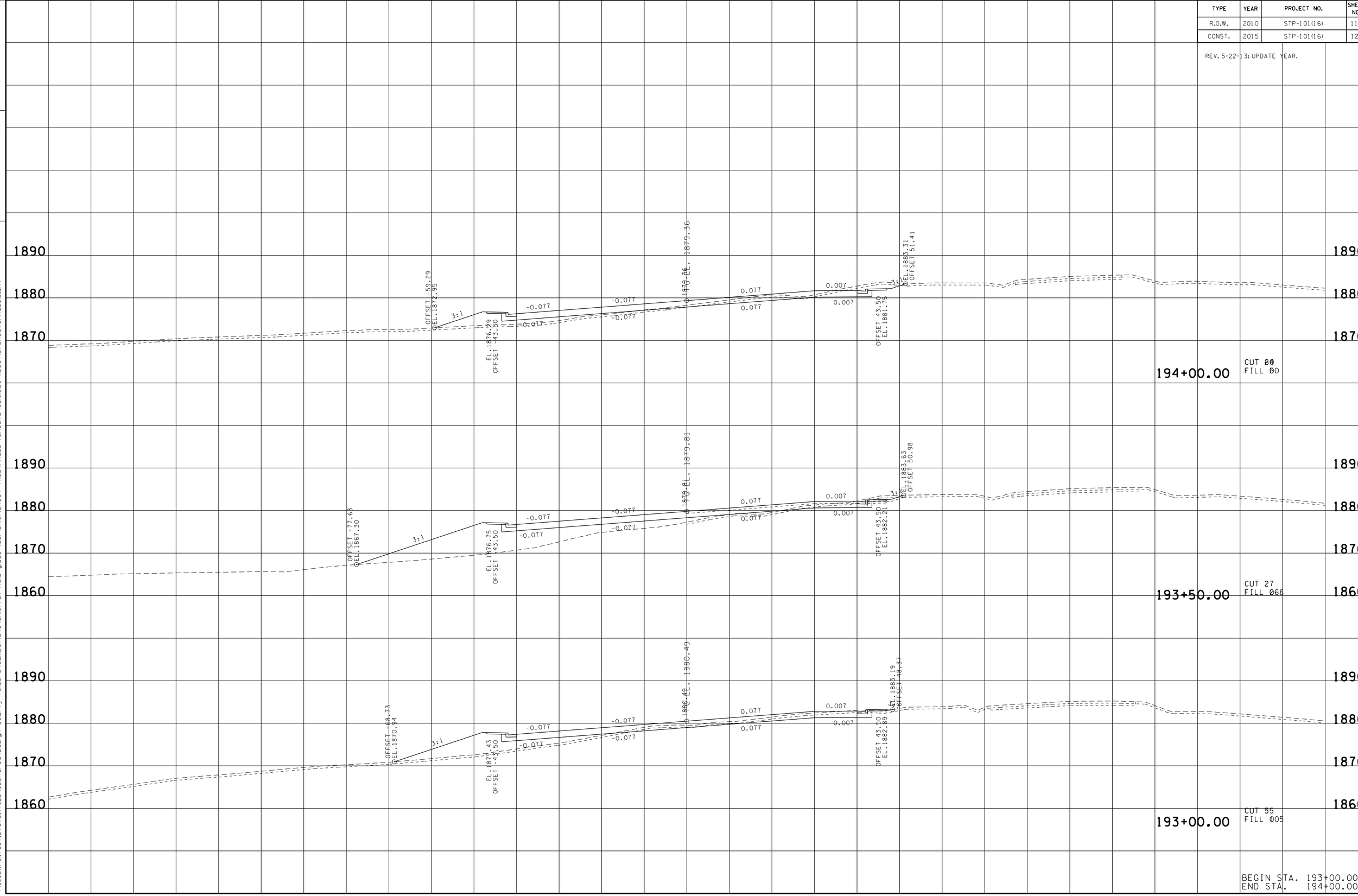
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	110
CONST.	2015	STP-101(16)	128

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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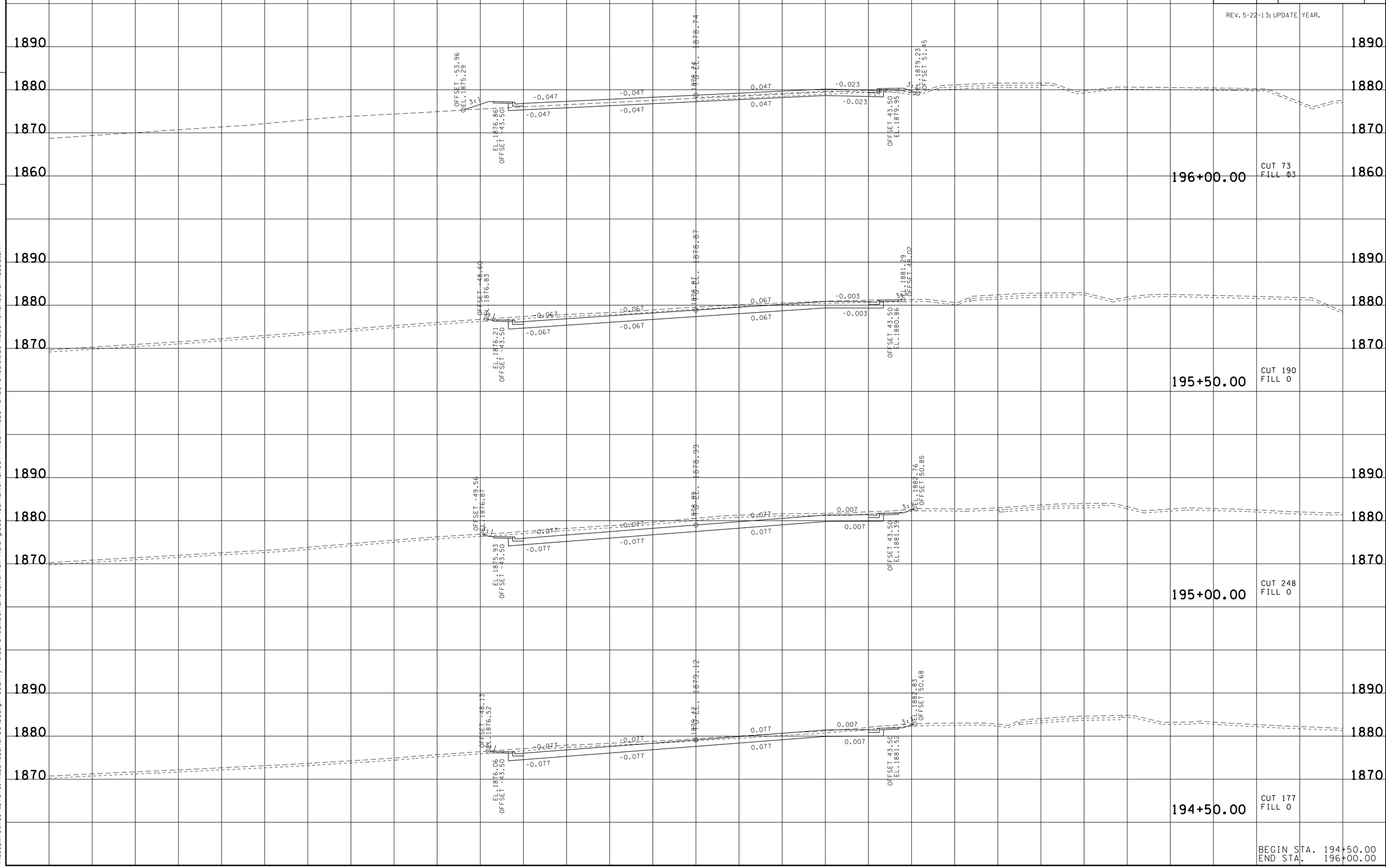
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	111
CONST.	2015	STP-101(16)	129

REV. 5-22-13: UPDATE YEAR.

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



BEGIN STA. 194+50.00
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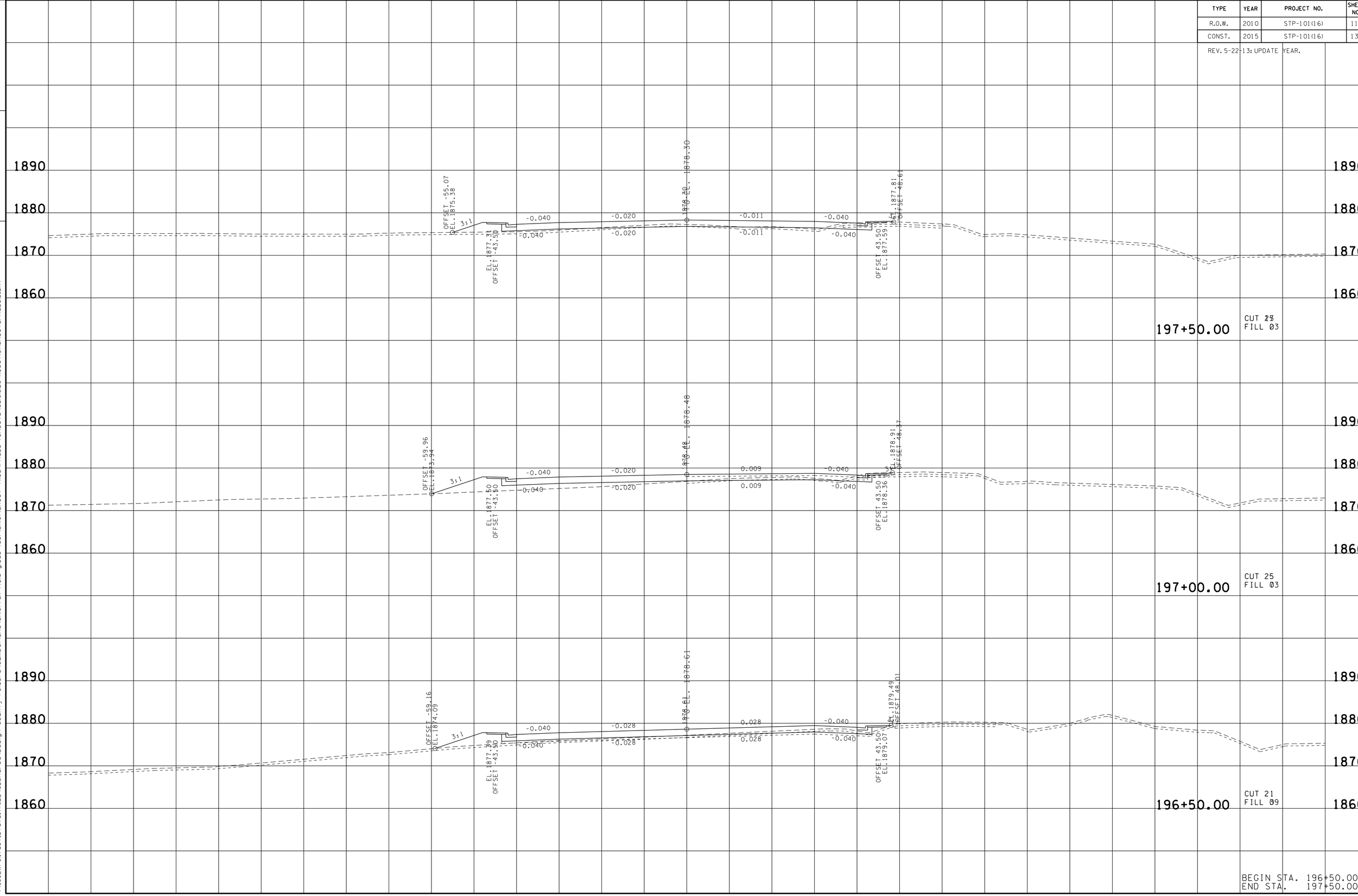
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	112
CONST.	2015	STP-101(16)	130

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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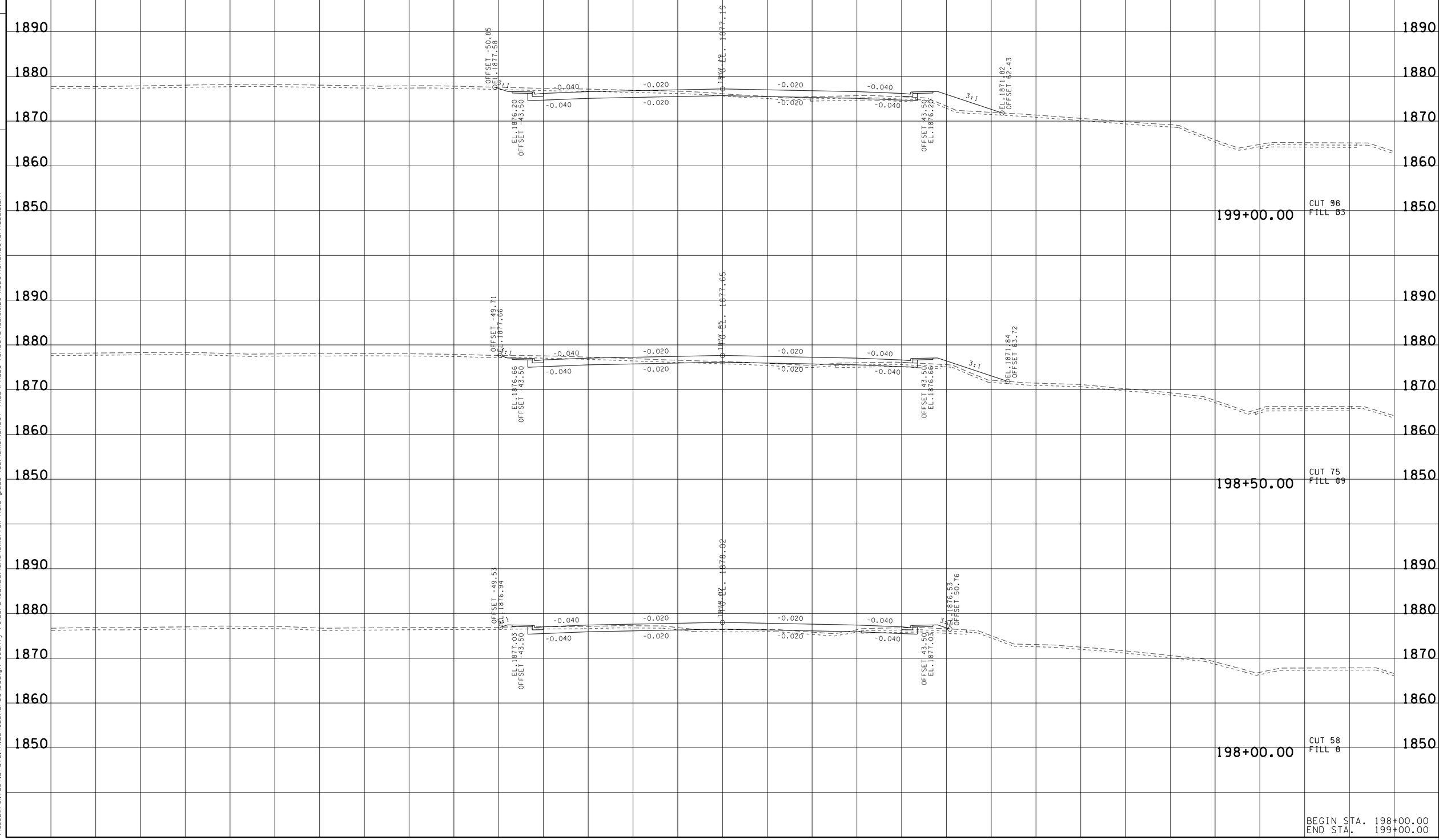
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	113
CONST.	2015	STP-101(16)	131

REV. 5-22-13: UPDATE YEAR.

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



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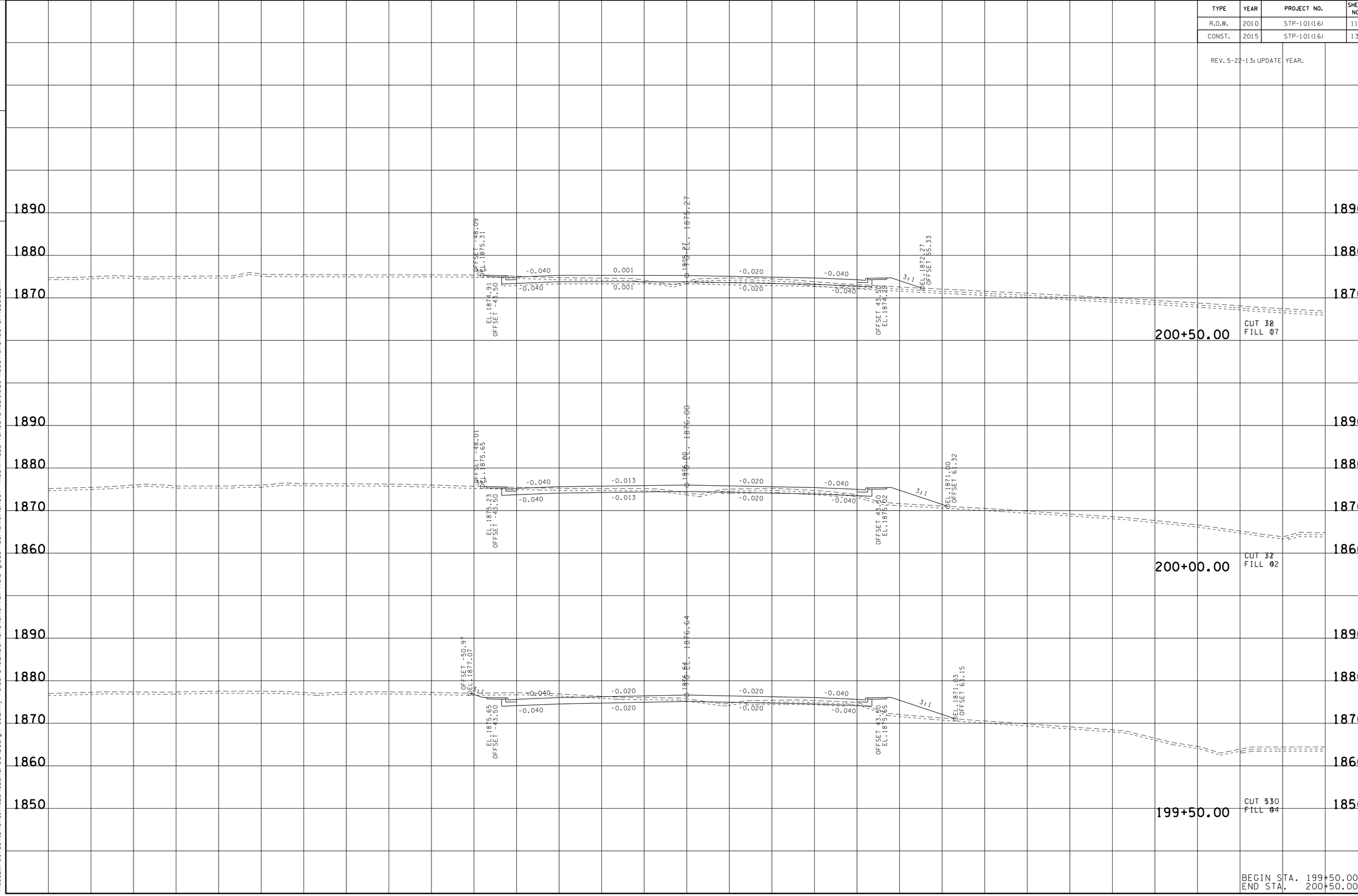
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	114
CONST.	2015	STP-101(16)	132

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



BEGIN STA. 199+50.00
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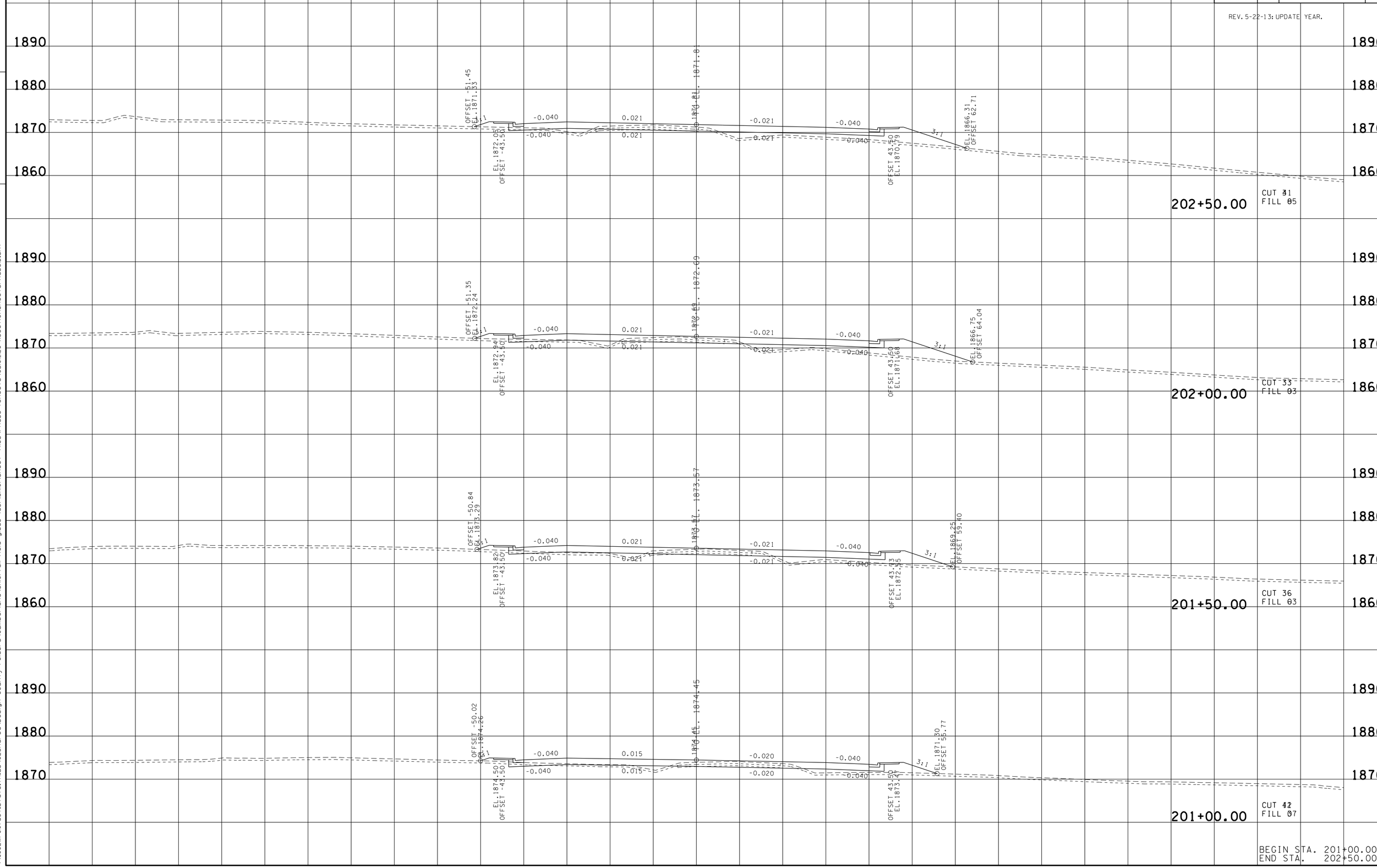
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	115
CONST.	2015	STP-101(16)	133

REV. 5-22-13: UPDATE YEAR.

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



BEGIN STA. 201+00.00
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21-OCT-2014 08:16
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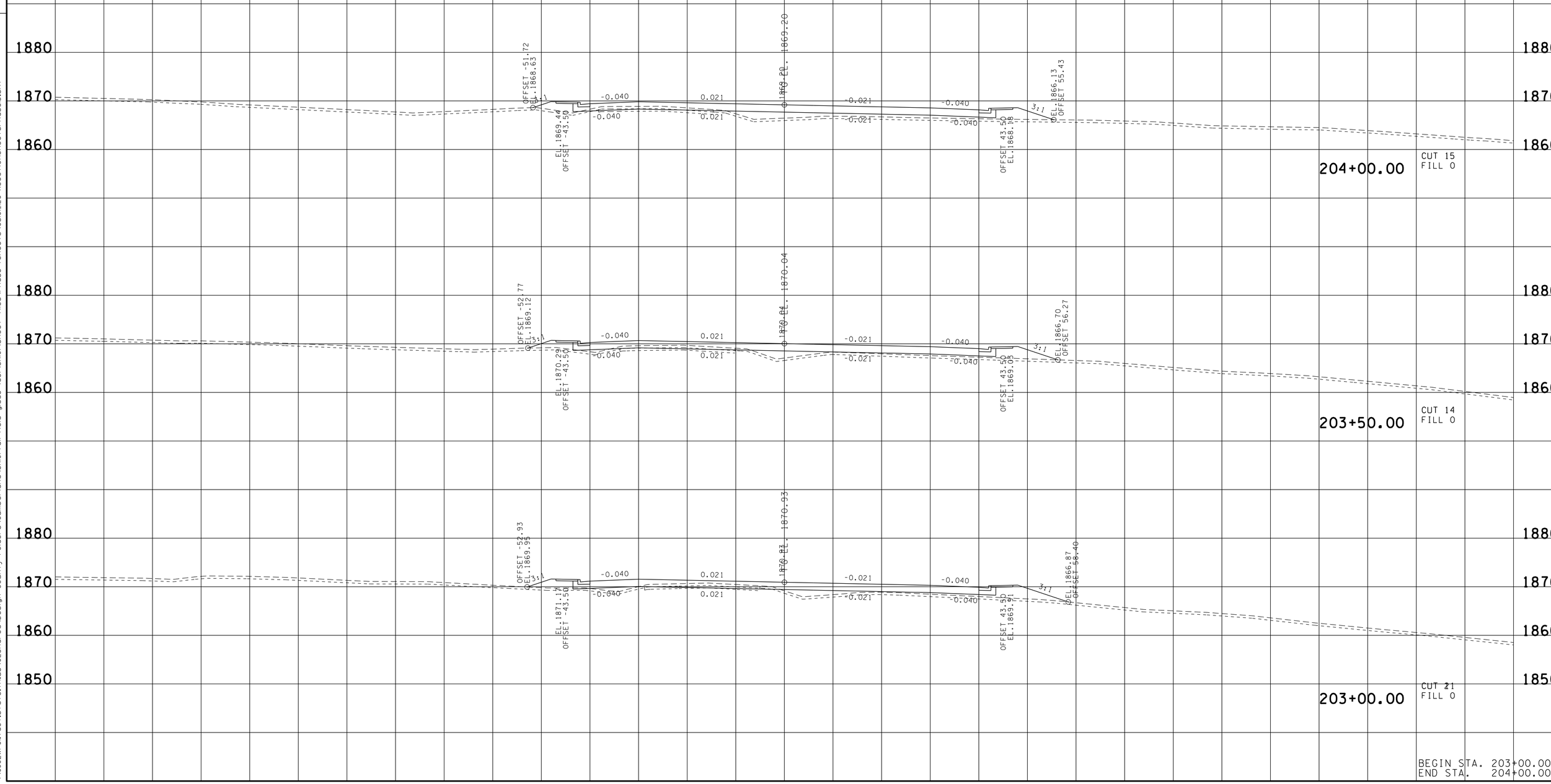
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	116
CONST.	2015	STP-101(16)	134

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 203+00.00
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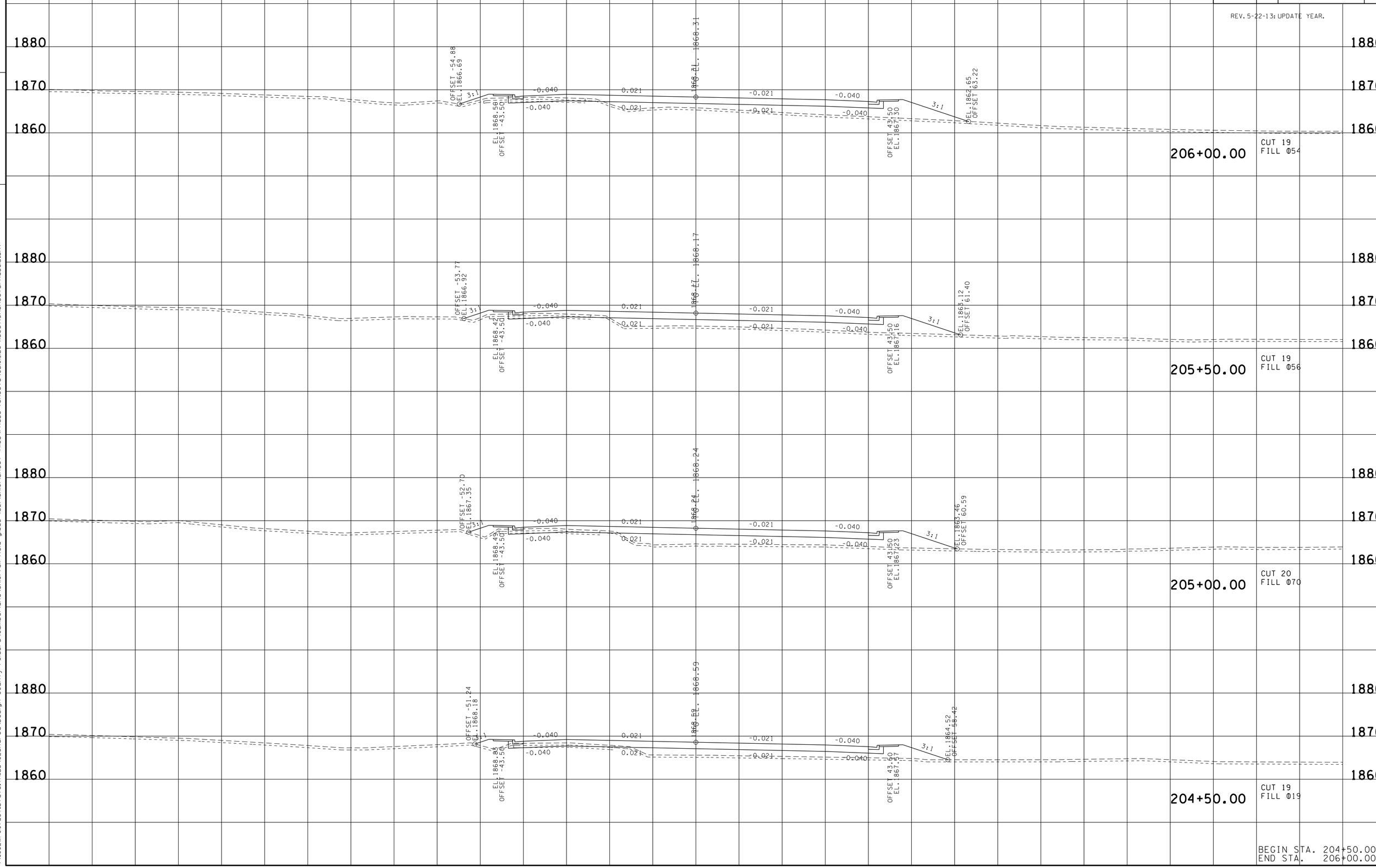
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	117
CONST.	2015	STP-101(16)	135

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 204+50.00
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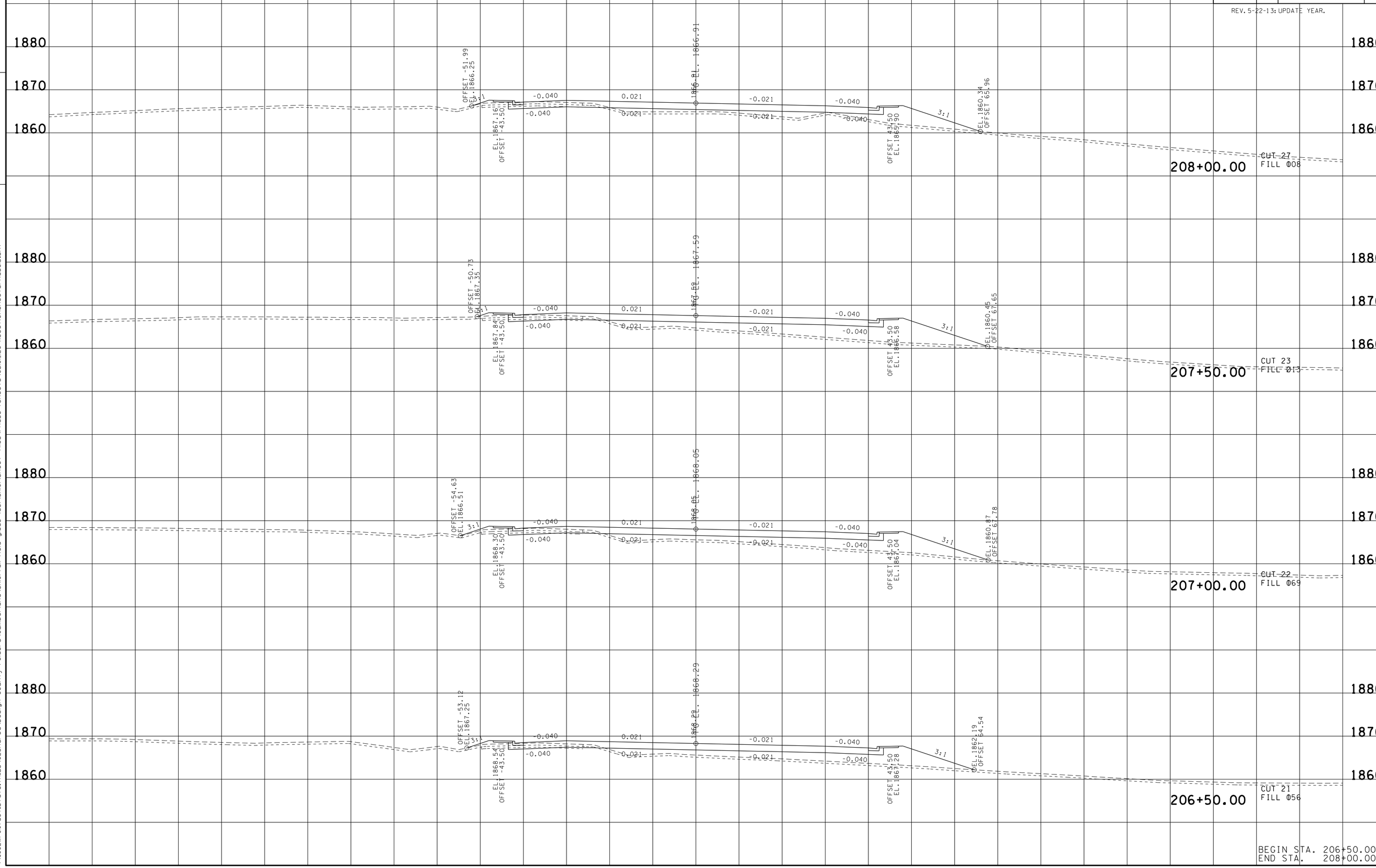
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	118
CONST.	2015	STP-101(16)	136

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 206+50.00
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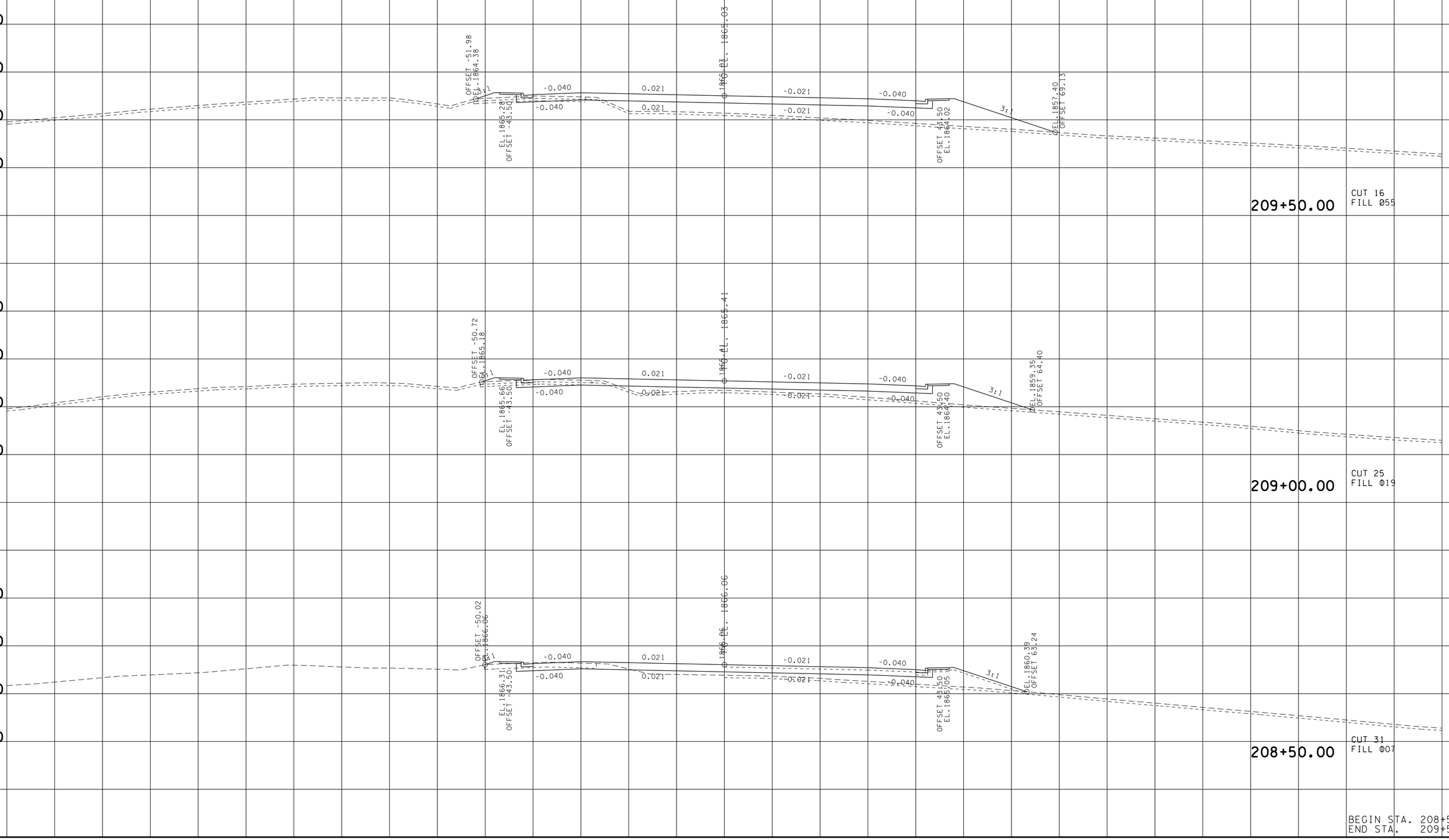
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	119
CONST.	2015	STP-101(16)	137

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 208+50.00
END STA. 209+50.00

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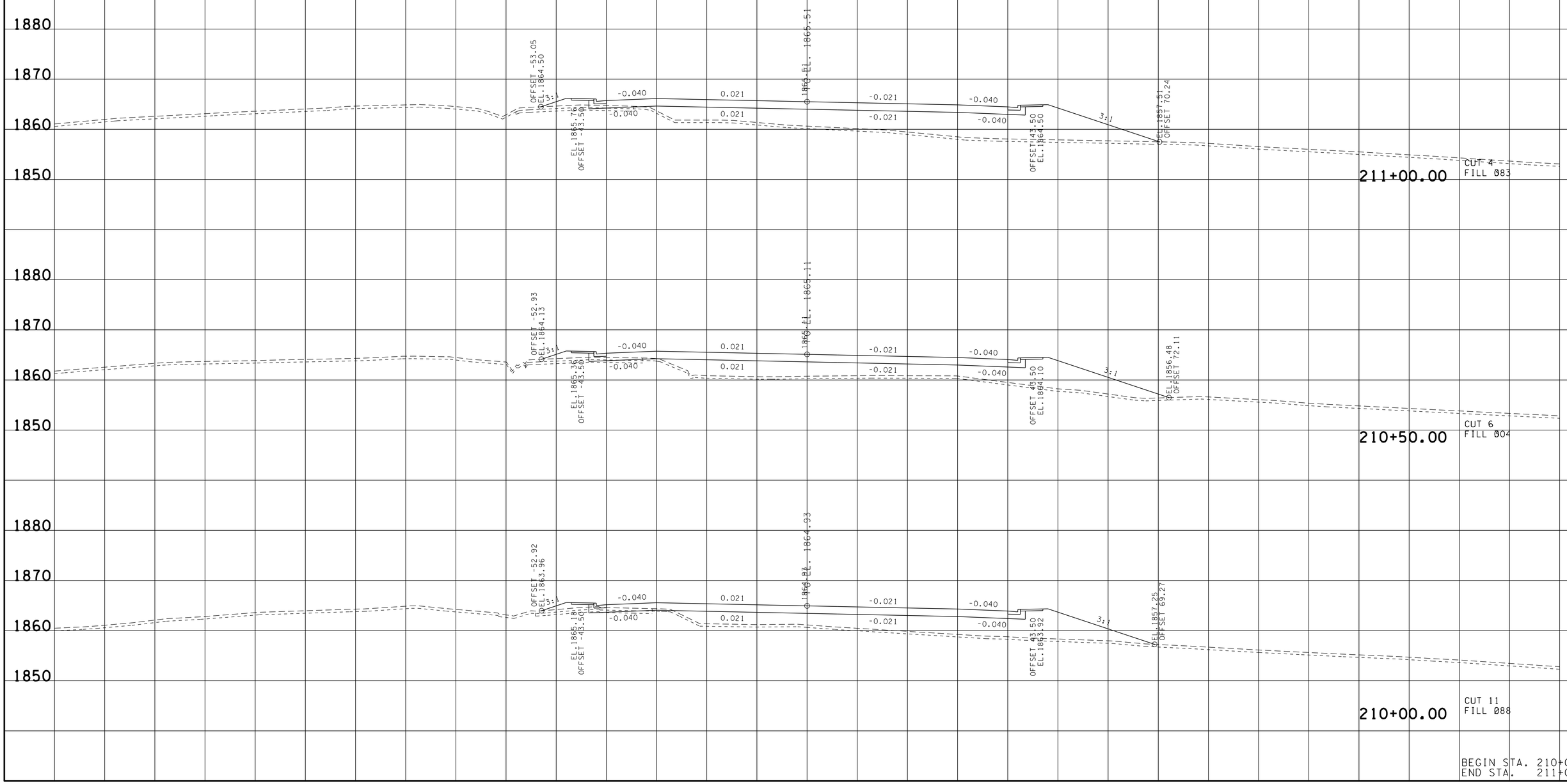
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	120
CONST.	2015	STP-101(16)	138

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 210+00.00
END STA. 211+00.00

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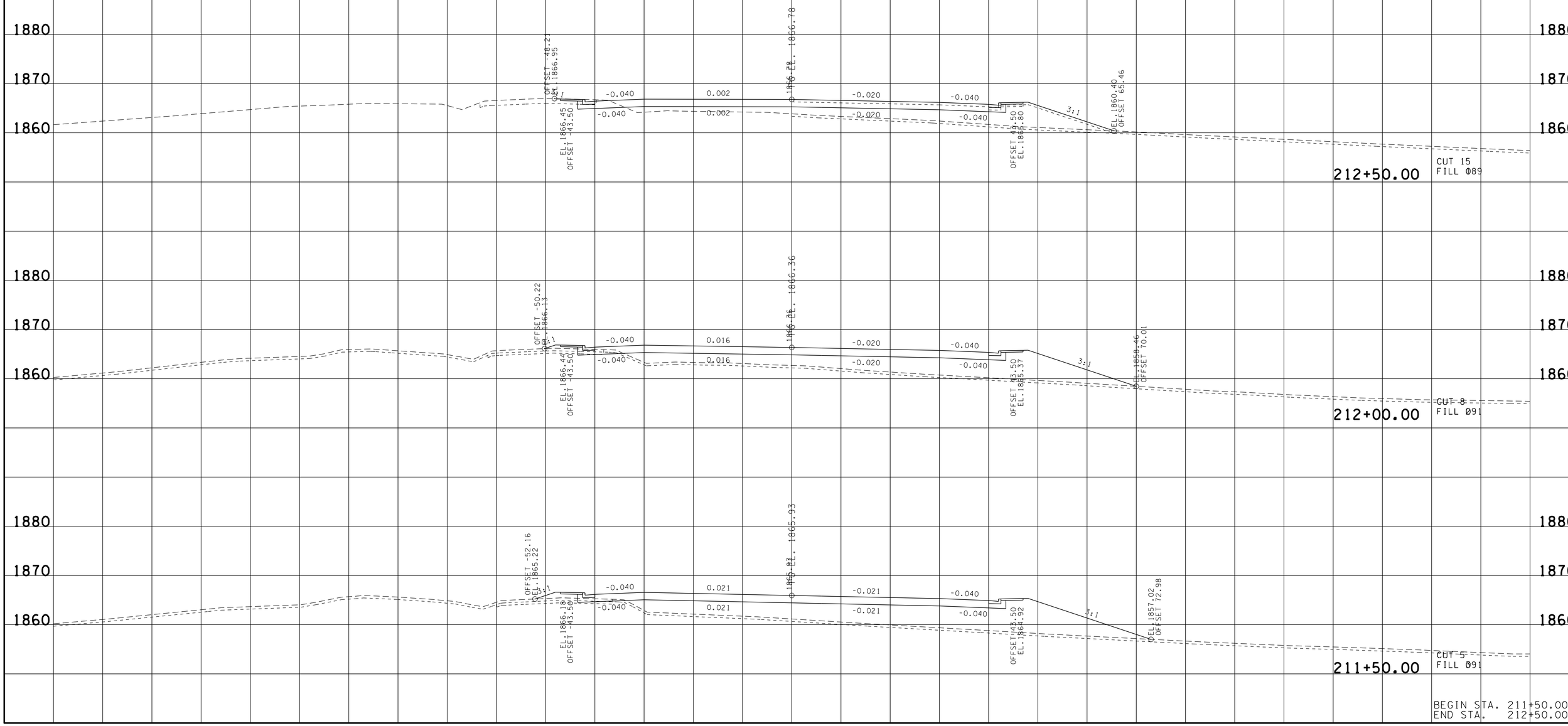
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	121
CONST.	2015	STP-101(16)	139

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 211+50.00
END STA. 212+50.00

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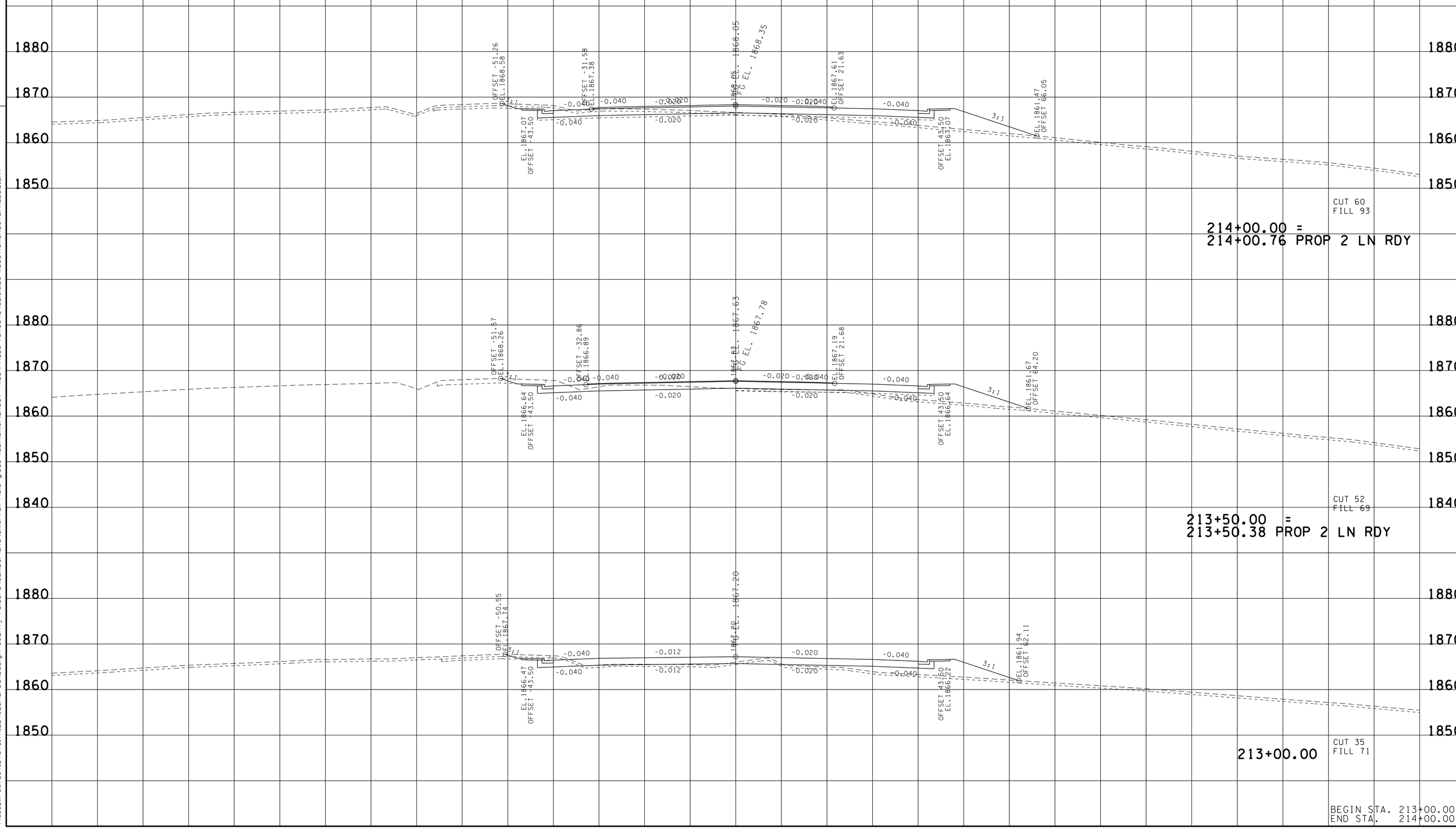
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	122
CONST.	2015	STP-101(16)	140

REV. 5-22-13- UPDATE YEAR.
ADDED PROP 2-LN RDY.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 213+00.00
END STA. 214+00.00

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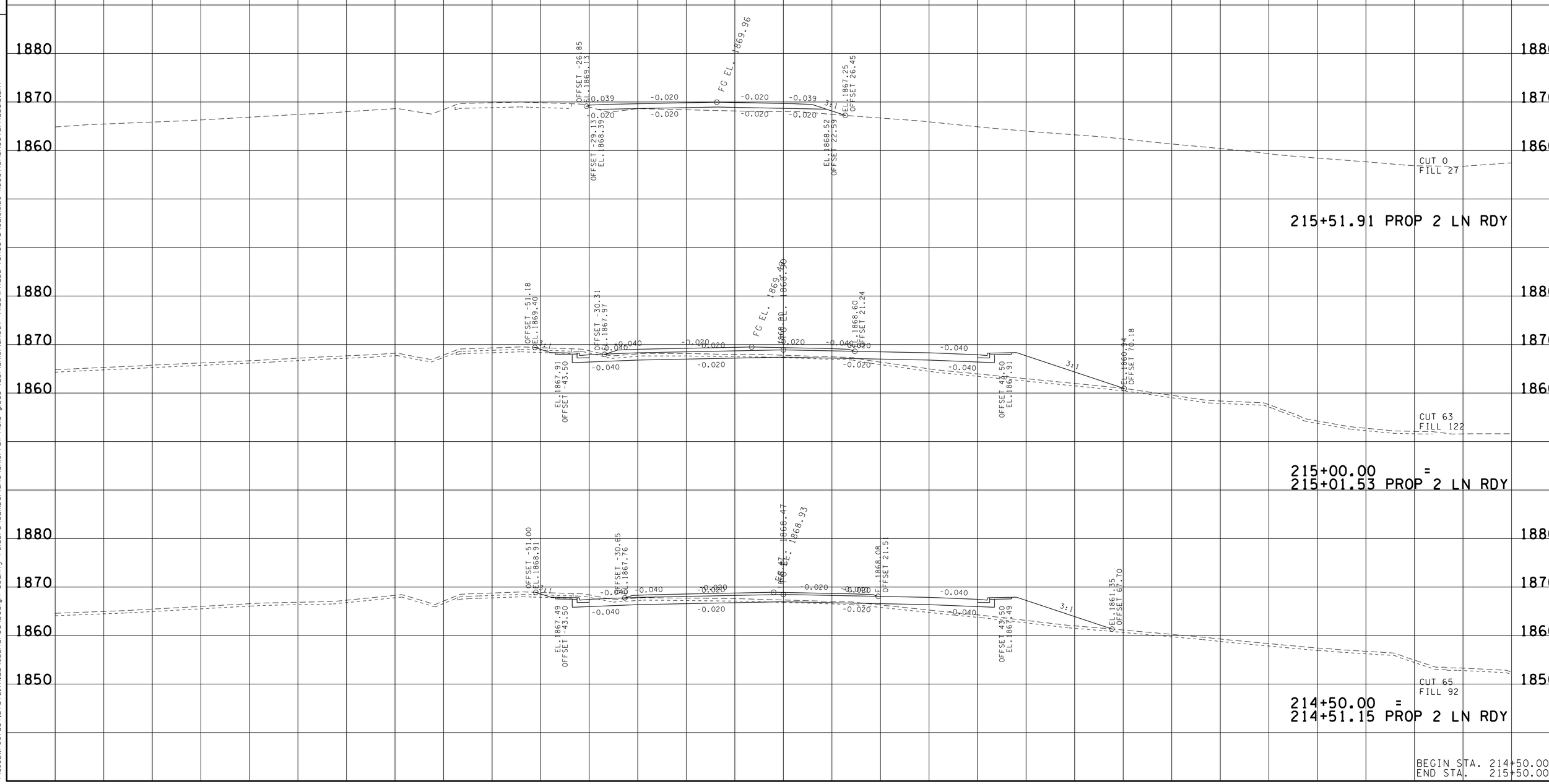
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	123
CONST.	2015	STP-101(16)	141

REV. 5-22-13- UPDATE YEAR.
ADDED PROP 2-LN RDY.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 214+50.00
END STA. 215+50.00

21-OCT-2014 08:18
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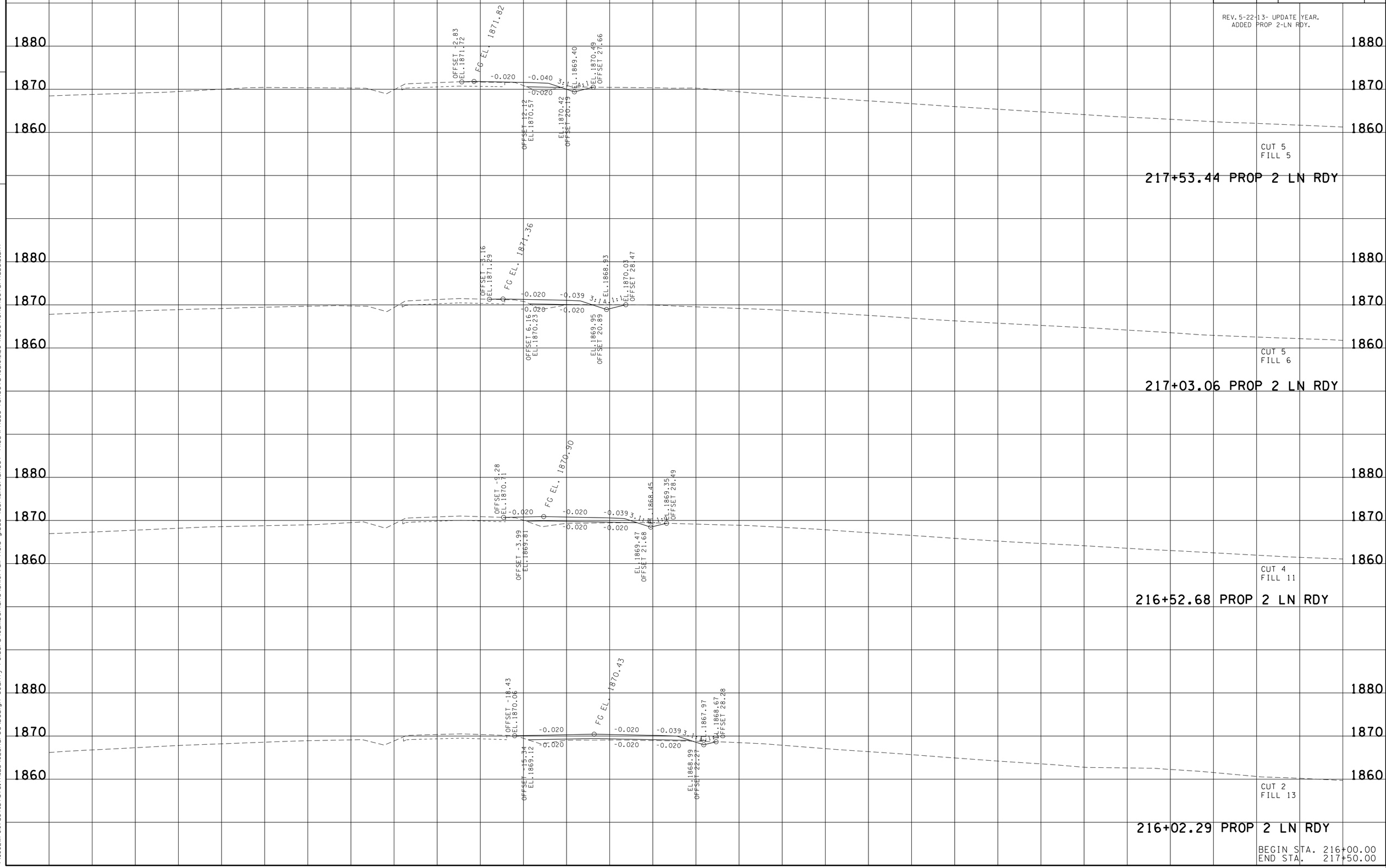
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	124
CONST.	2015	STP-101(16)	142

REV. 5-22-13- UPDATE YEAR.
ADDED PROP 2-LN RDY.



BEGIN STA. 216+00.00
END STA. 217+50.00

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

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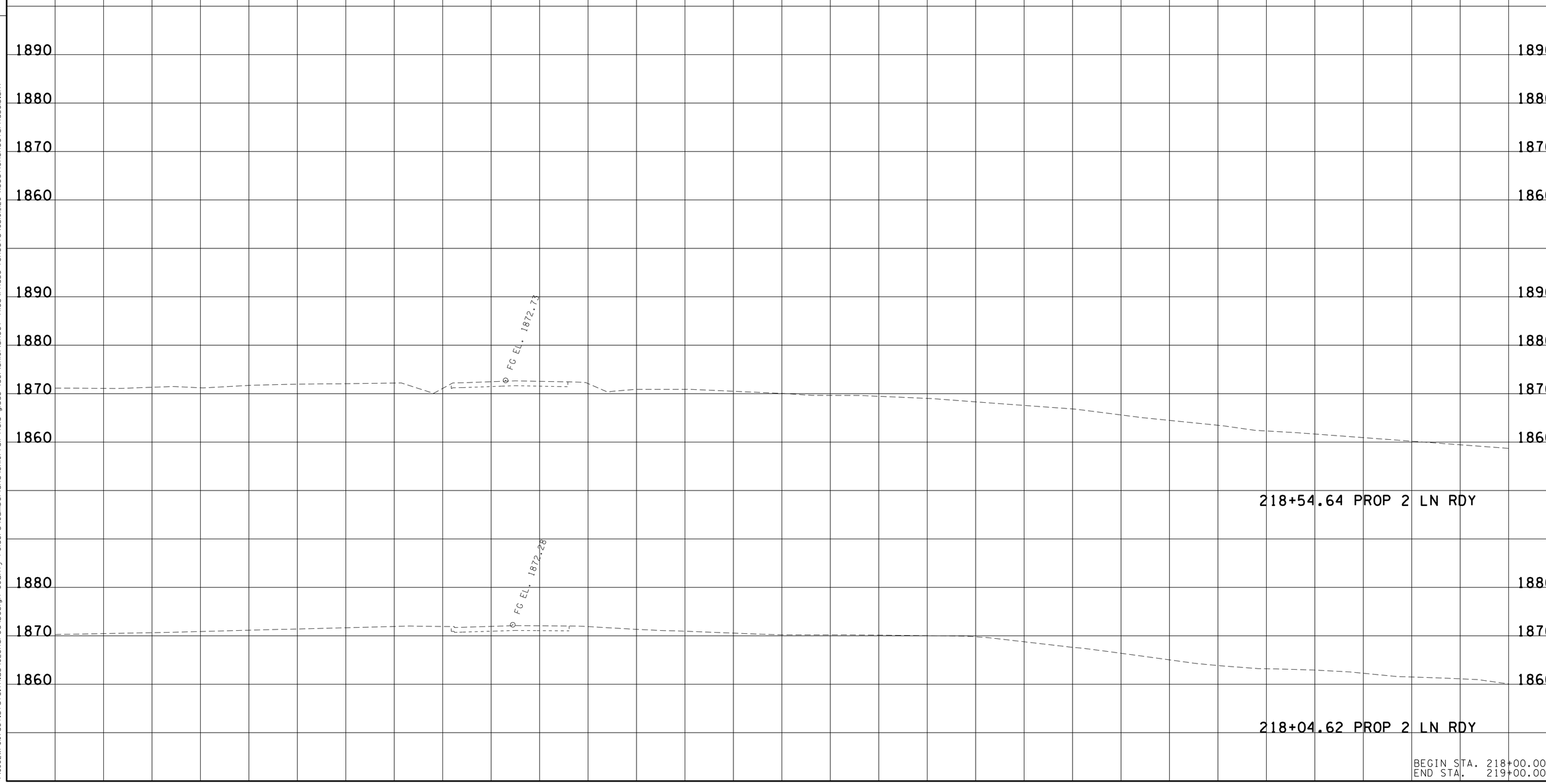
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	125
CONST.	2015	STP-101(16)	143

REV. 5-22-13- UPDATE YEAR.
ADDED PROP 2-LN RDY.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 218+00.00
END STA. 219+00.00

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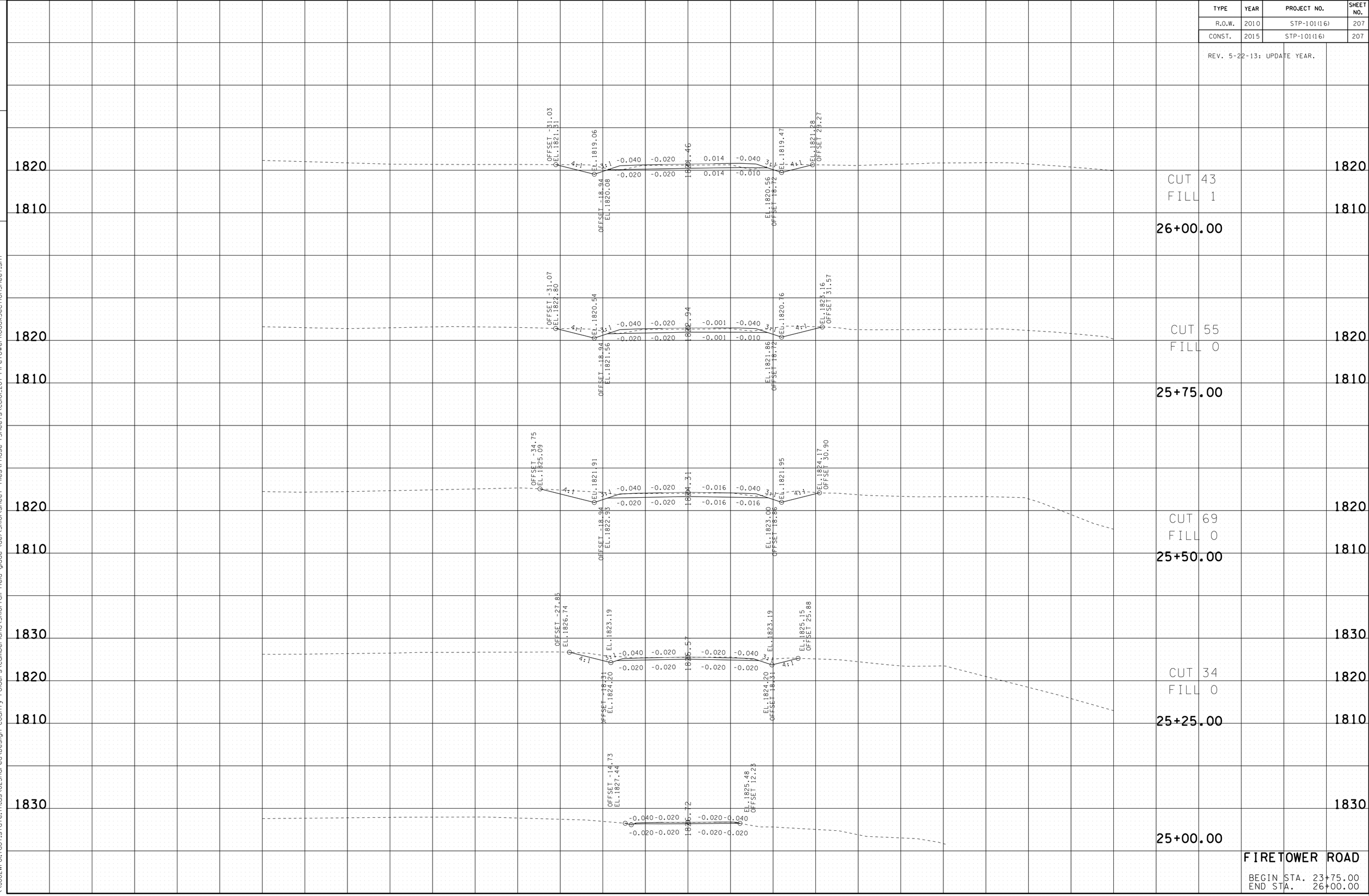
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	207
CONST.	2015	STP-101(16)	207

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



FIRETOWER ROAD

BEGIN STA. 23+75.00
END STA. 26+00.00

21-OCT-2014 08:20
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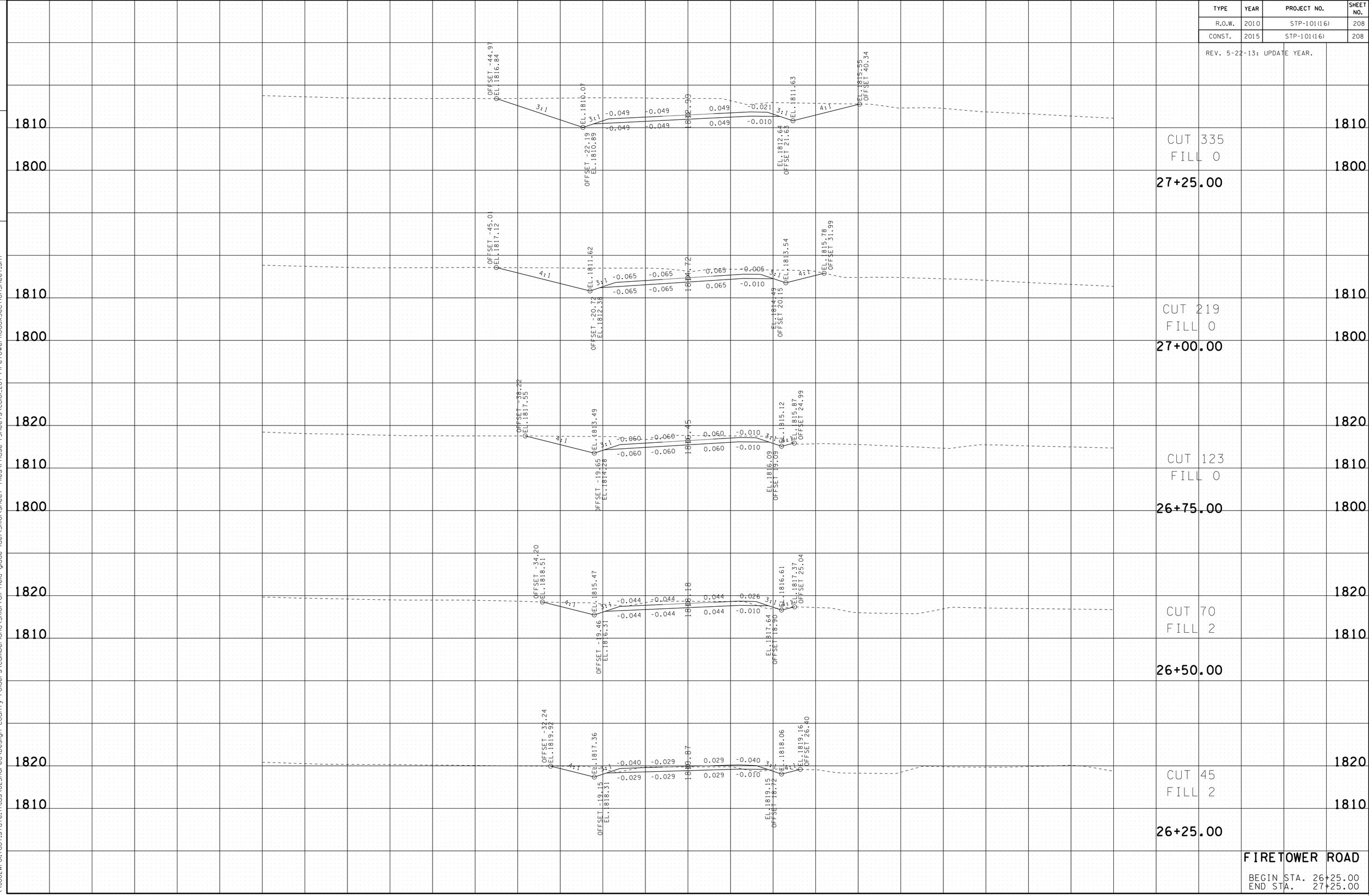
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	208
CONST.	2015	STP-101(16)	208

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



FIRETOWER ROAD

BEGIN STA. 26+25.00
END STA. 27+25.00

21-OCT-2014 08:20
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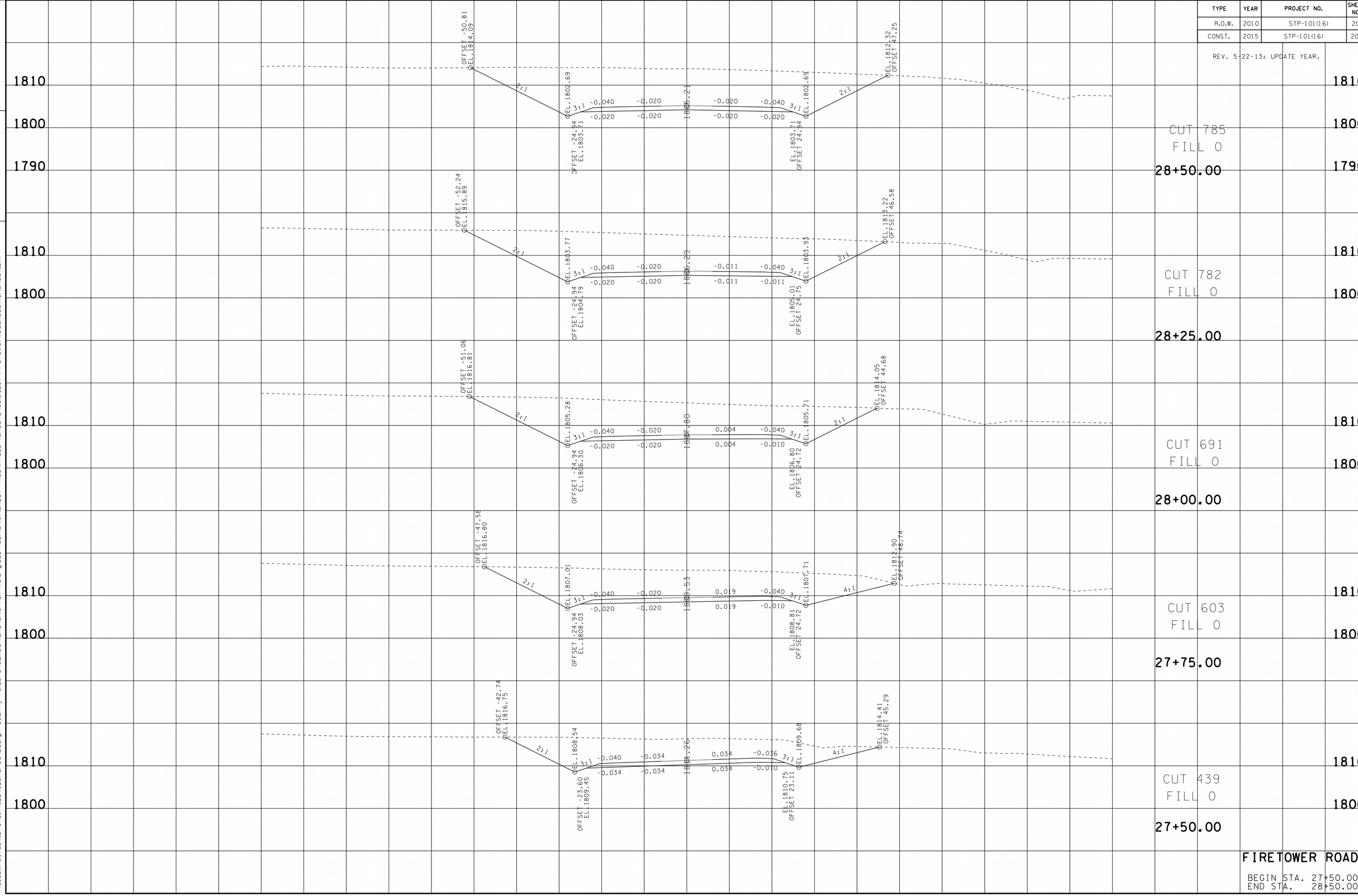
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	209
CONST.	2015	STP-101(16)	209

REV. 5-22-13: UPDATE YEAR.



FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION

FIRETOWER ROAD

BEGIN STA. 27+50.00
END STA. 28+50.00

21-OCT-2014 08:20
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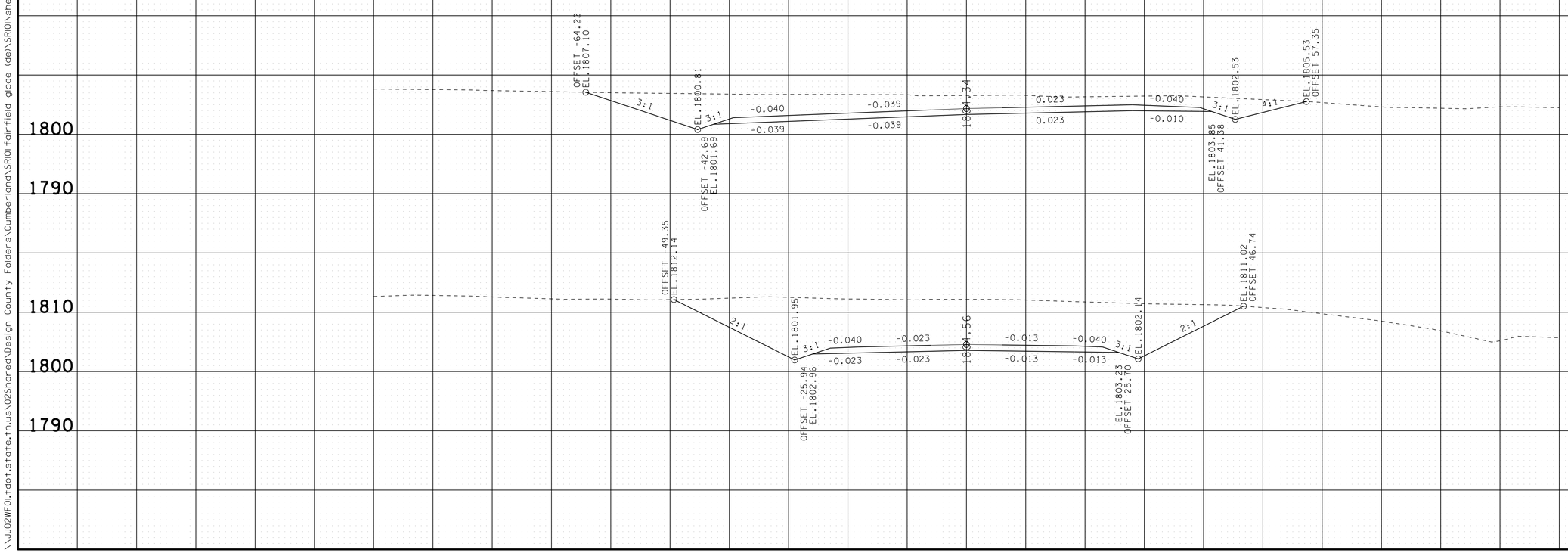
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	210
CONST.	2015	STP-101(16)	210

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



FIRETOWER ROAD

BEGIN STA. 28+75.00
END STA. 29+00.00

21-OCT-2014 08:20
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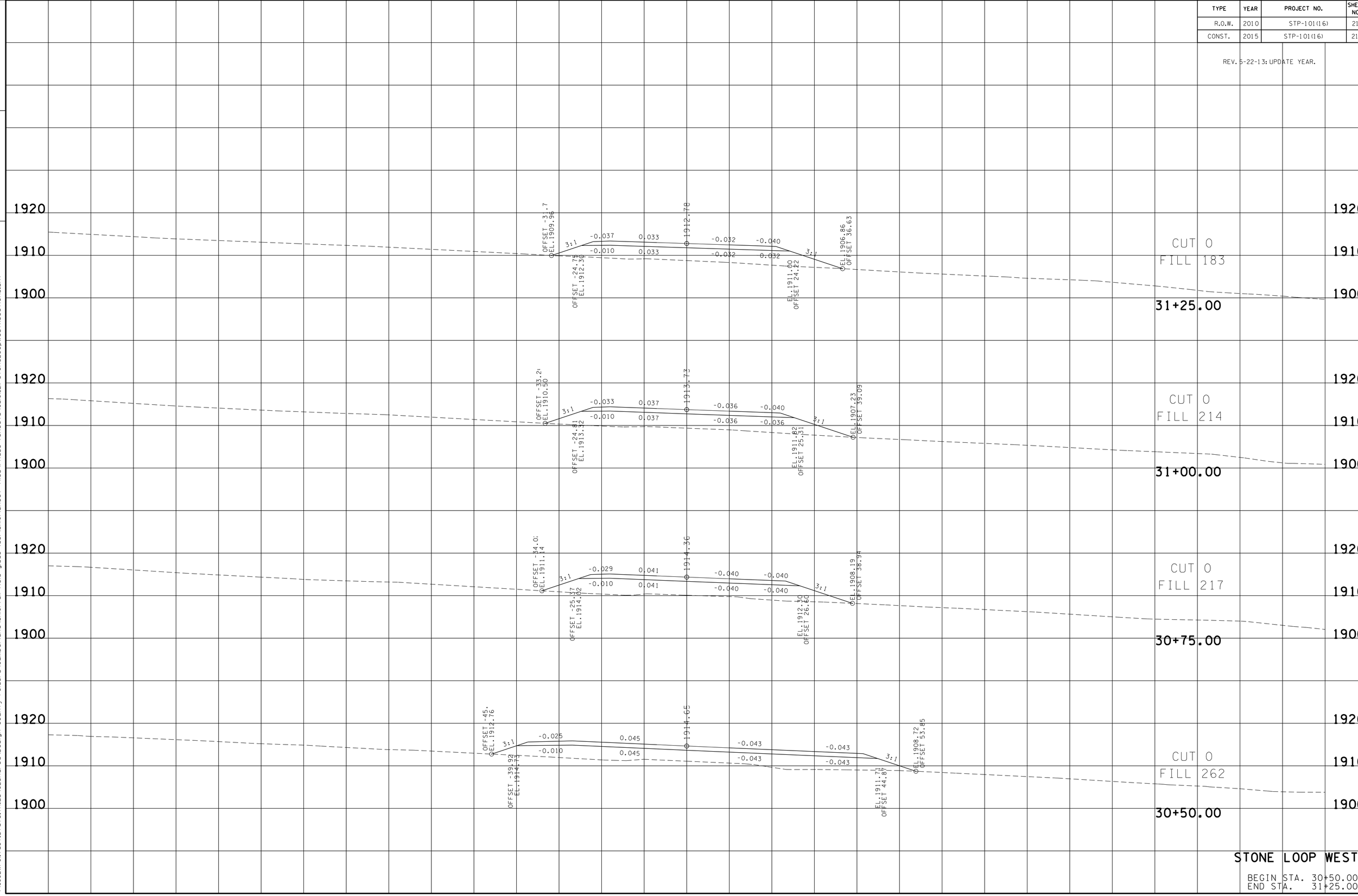
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	211
CONST.	2015	STP-101(16)	211

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



STONE LOOP WEST

BEGIN STA. 30+50.00
END STA. 31+25.00

21-OCT-2014 08:37
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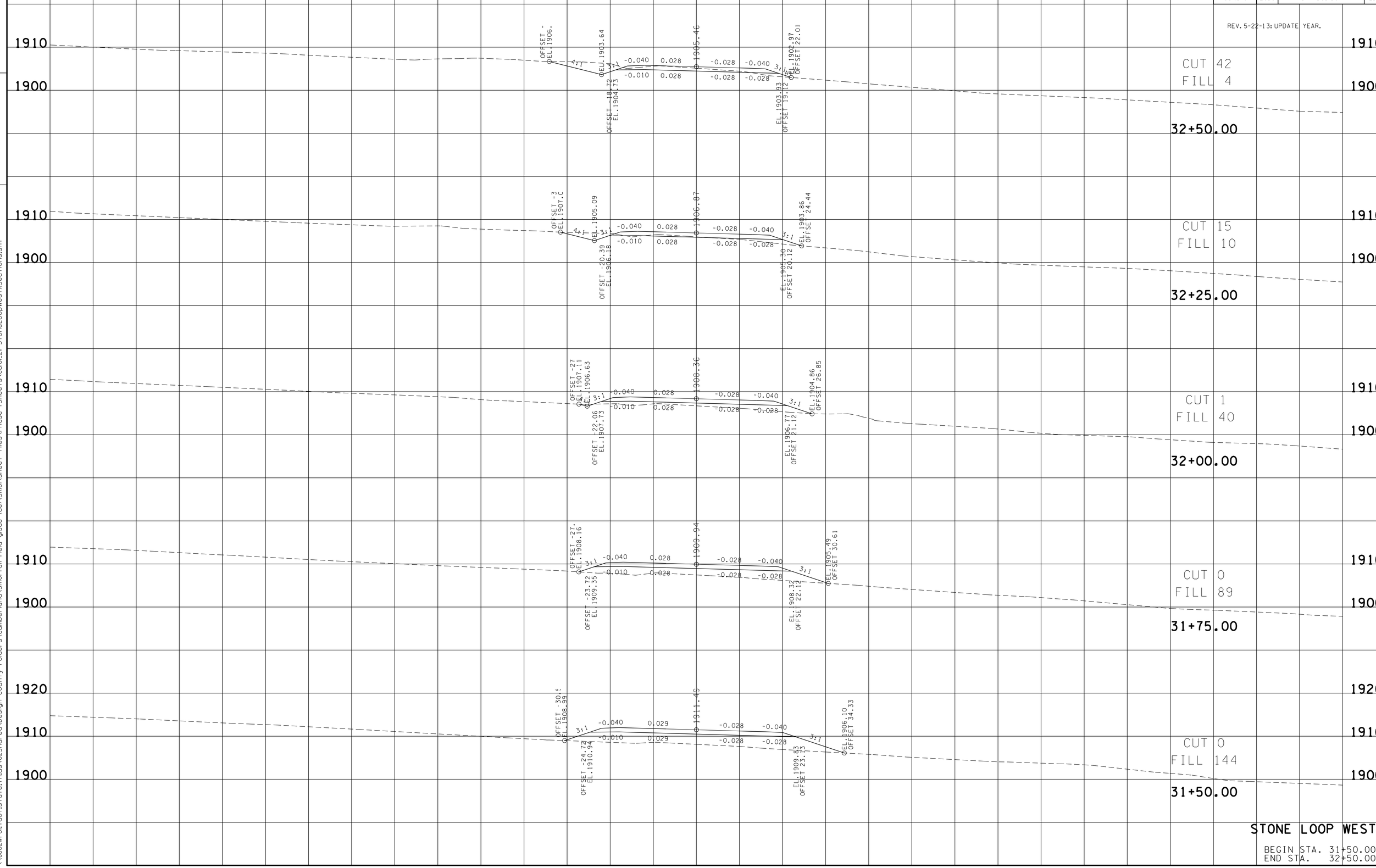
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	212
CONST.	2015	STP-101(16)	212

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



STONE LOOP WEST

BEGIN STA. 31+50.00
END STA. 32+50.00

21-OCT-2014 08:37
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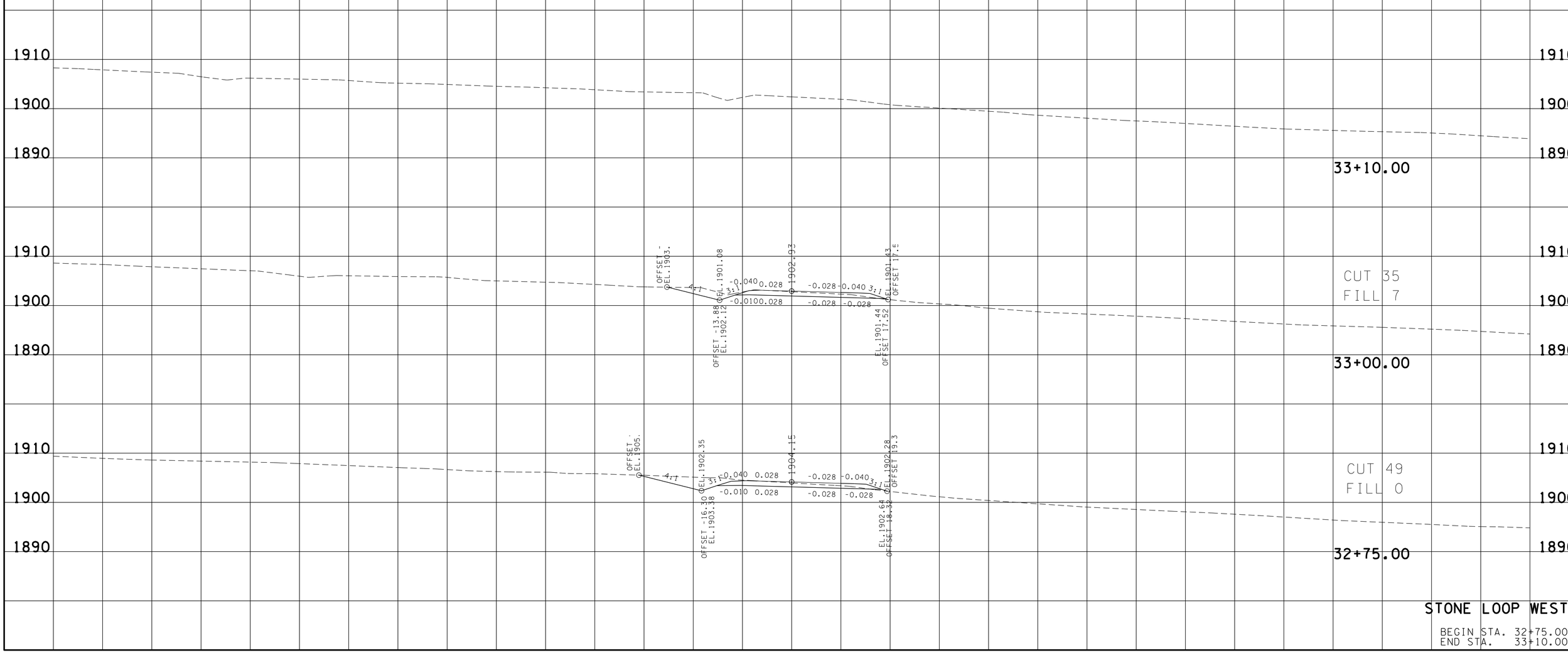
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	213
CONST.	2015	STP-101(16)	213

REV. 08-20-12 - UPDATED CROSS SECTIONS

REV. 5-22-13: UPDATE YEAR.



STONE LOOP WEST

BEGIN STA. 32+75.00
END STA. 33+10.00

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

21-OCT-2014 08:37
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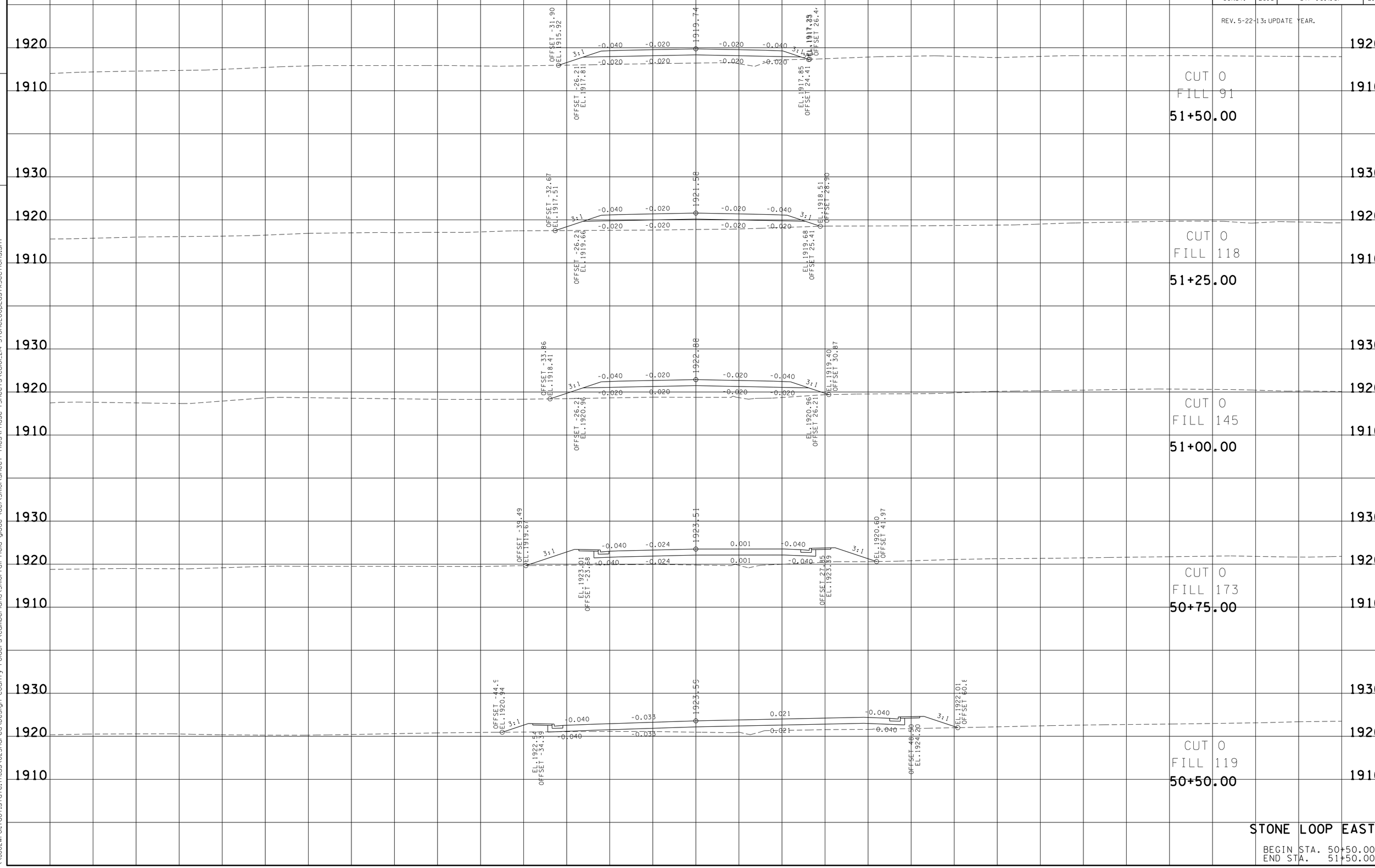
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	214
CONST.	2015	STP-101(16)	214

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



STONE LOOP EAST

BEGIN STA. 50+50.00
END STA. 51+50.00

21-OCT-2014 08:40
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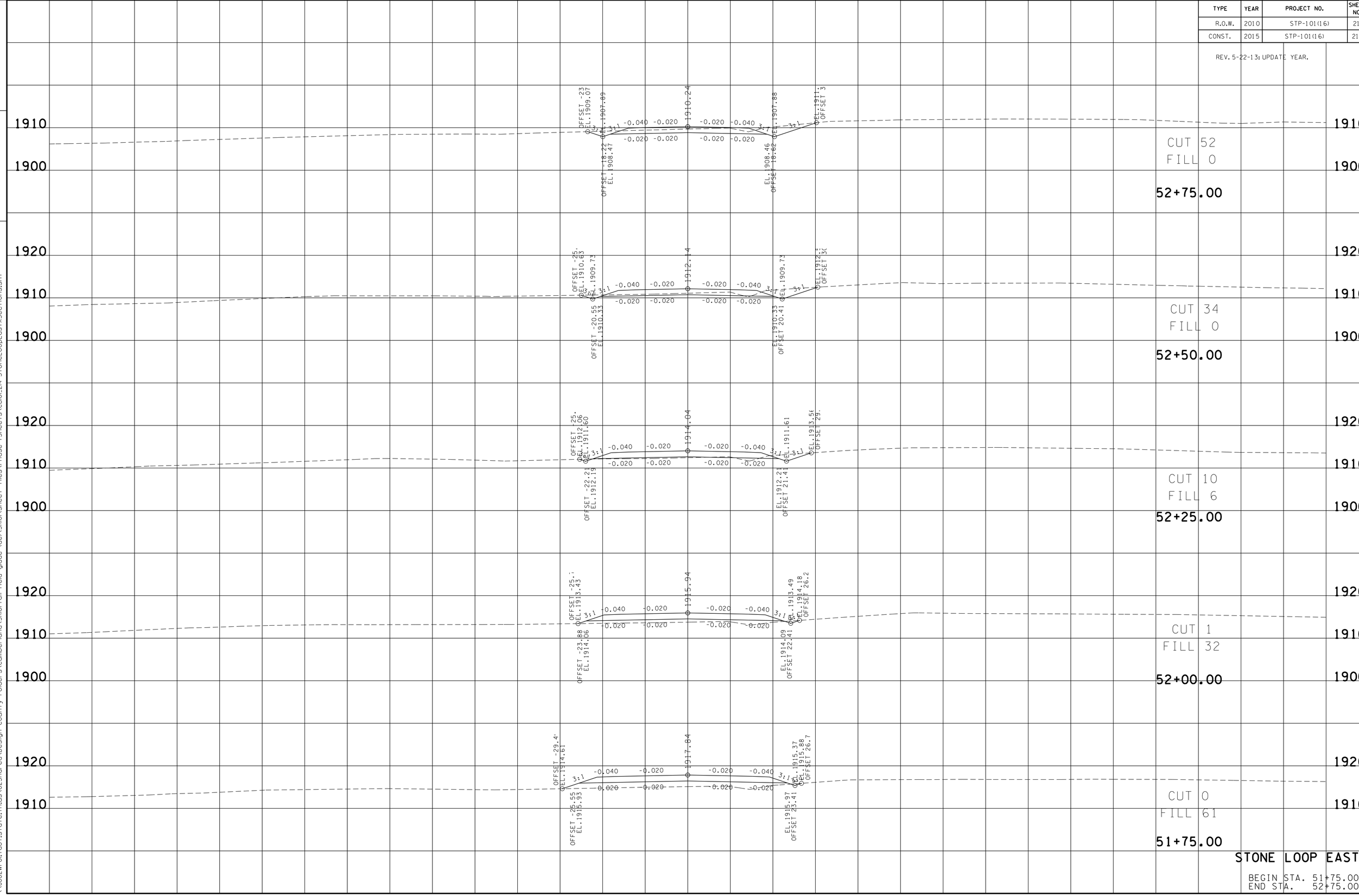
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	215
CONST.	2015	STP-101(16)	215

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



STONE LOOP EAST

BEGIN STA. 51+75.00
END STA. 52+75.00

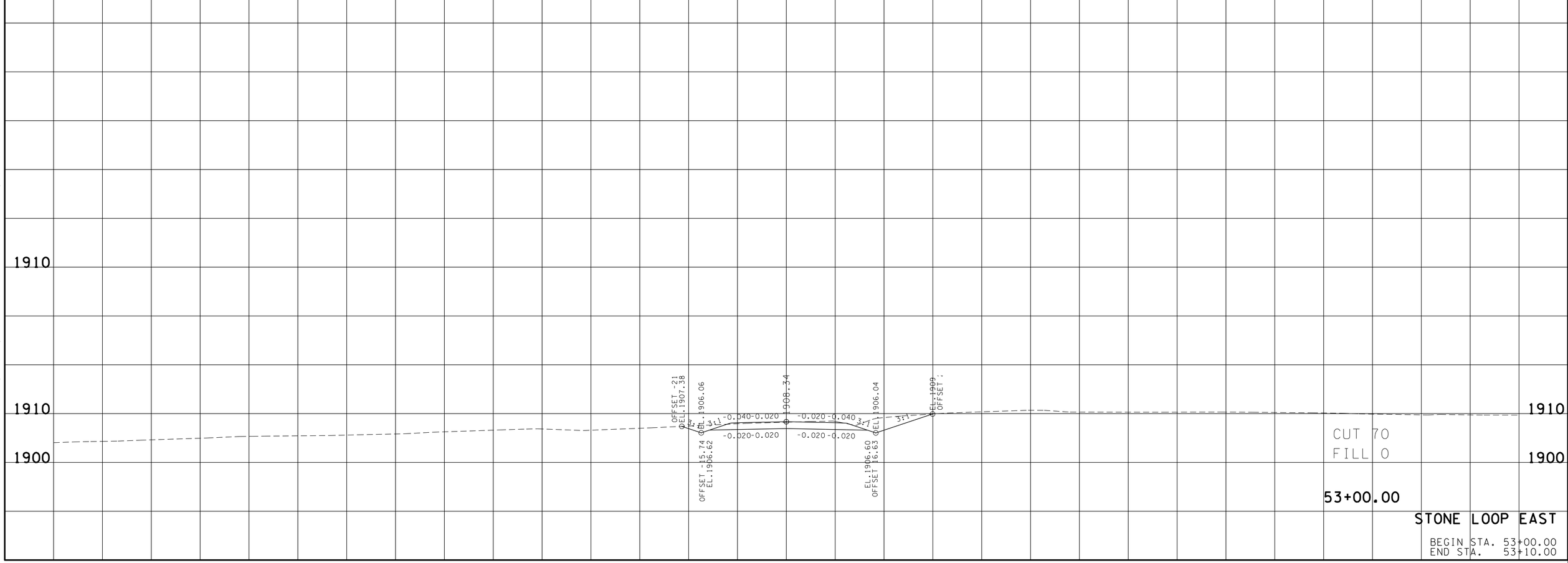
21-OCT-2014 08:40
\\JJ02WF01.tdot.state.tn.us\02Shared\Design County Folders\Cumberland\SR101 fairfield glade (de)\SR101\sheet files\Phase 1Sheets\CU101.214-StoneLoopEastXSections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	216
CONST.	2015	STP-101(16)	216

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



STONE LOOP EAST

BEGIN STA. 53+00.00
END STA. 53+10.00

21-OCT-2014 08:40
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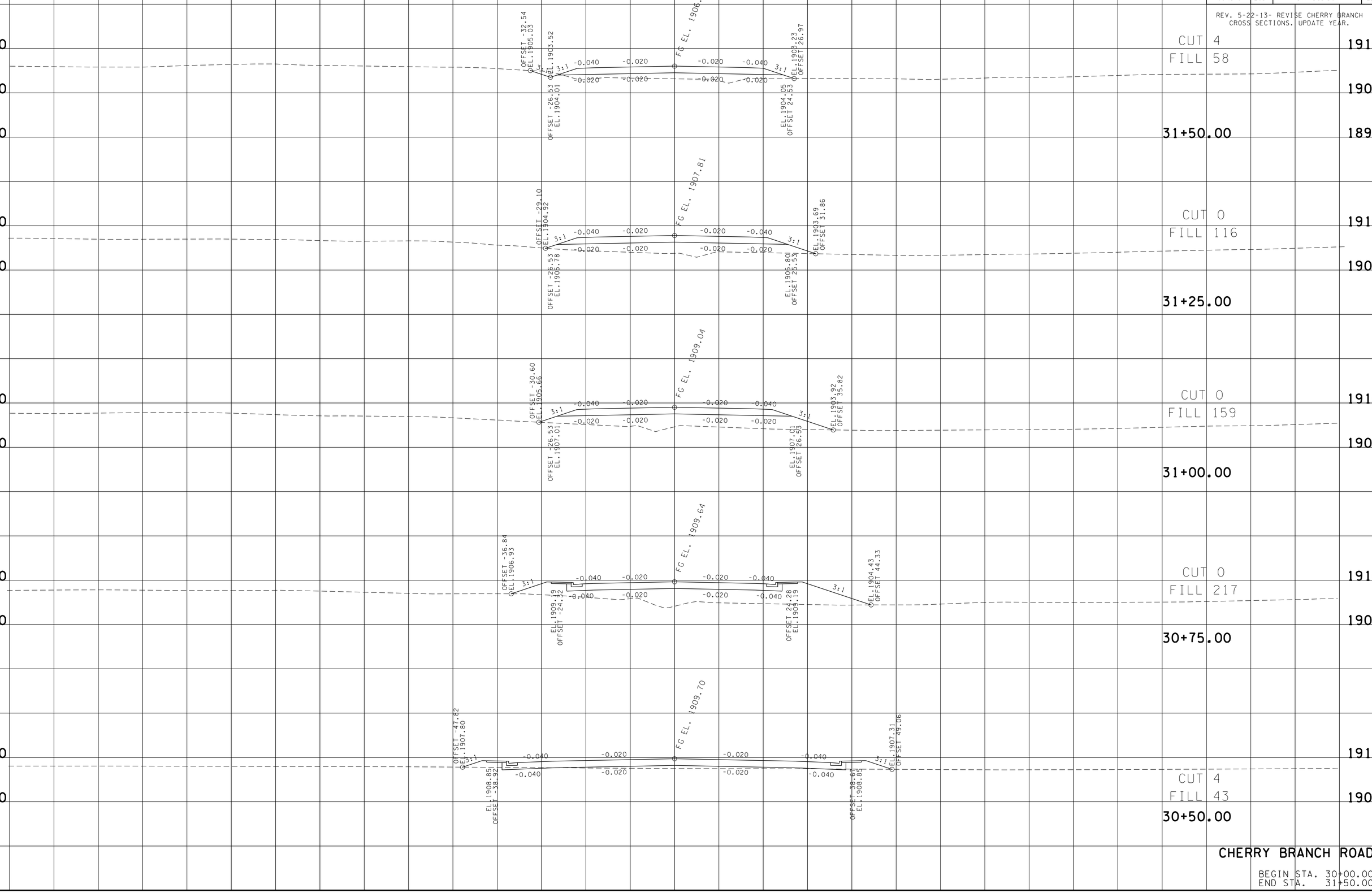
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	217
CONST.	2014	STP-101(16)	217

REV. 5-22-13- REVISE CHERRY BRANCH CROSS SECTIONS. UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CHERRY BRANCH ROAD

BEGIN STA. 30+00.00
END STA. 31+50.00

21-OCT-2014 08:42
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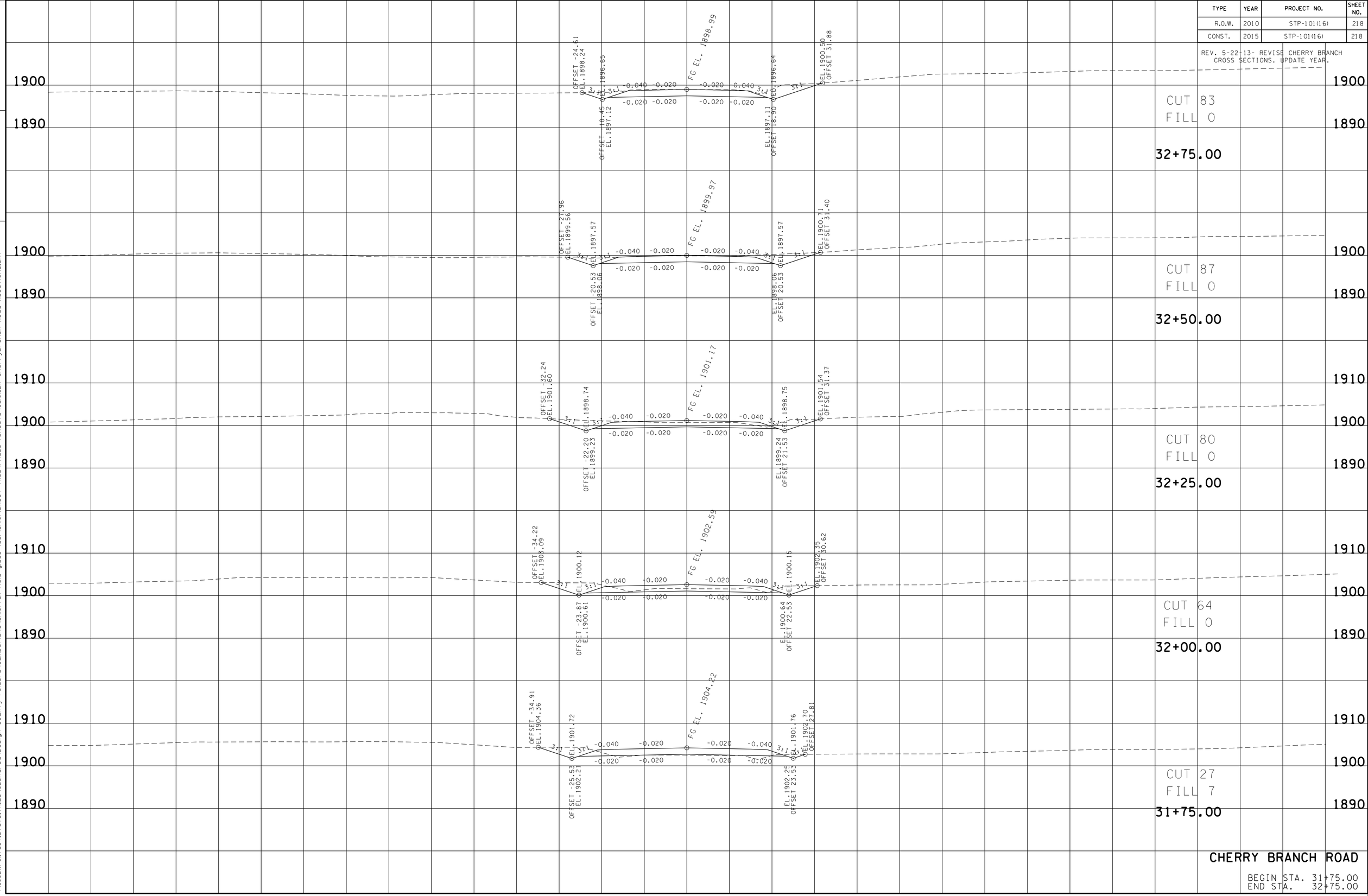
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	218
CONST.	2015	STP-101(16)	218

REV. 5-22-13- REVISE CHERRY BRANCH CROSS SECTIONS. UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CHERRY BRANCH ROAD

BEGIN STA. 31+75.00
END STA. 32+75.00

21-OCT-2014 08:42
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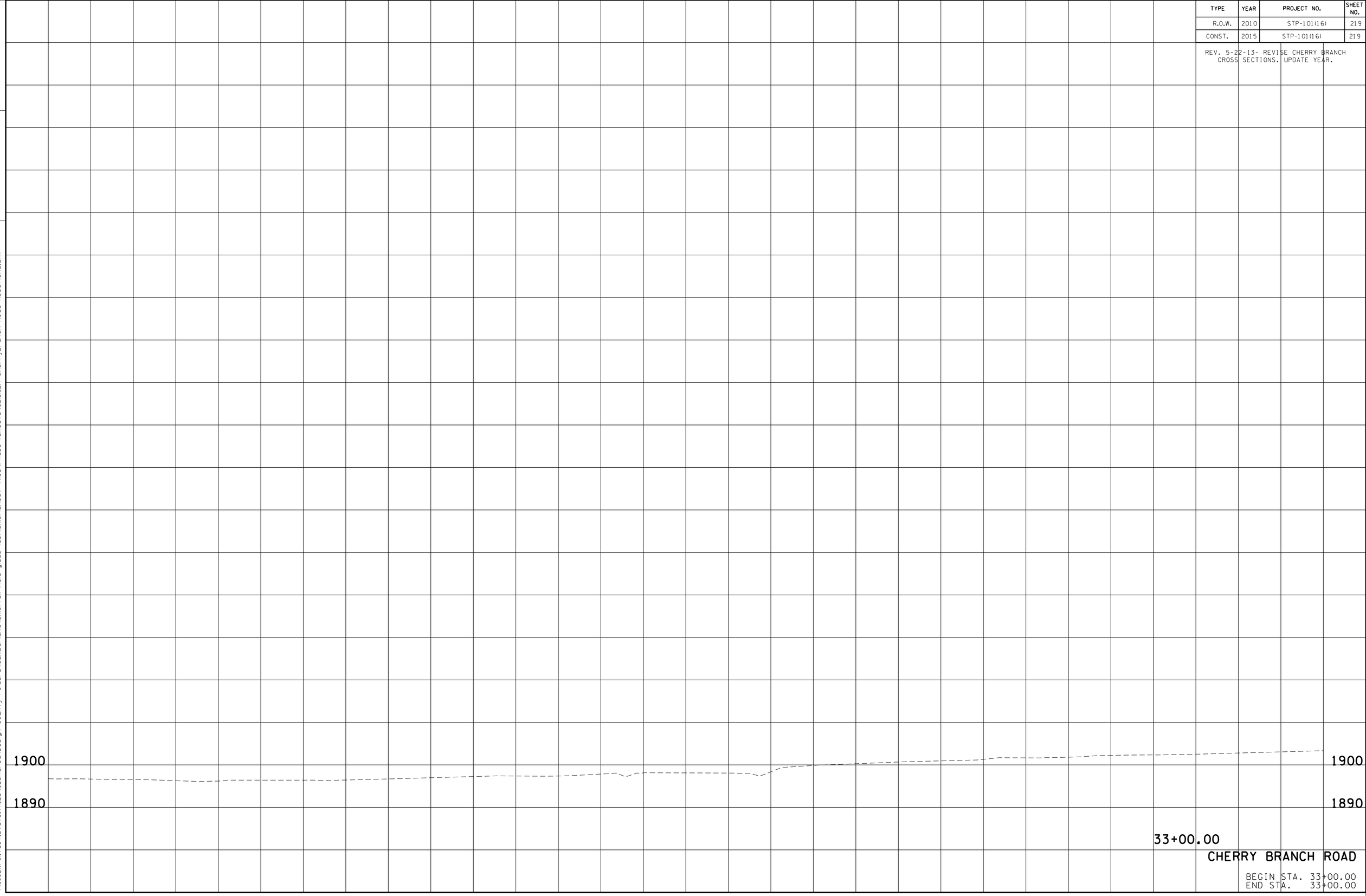
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	219
CONST.	2015	STP-101(16)	219

REV. 5-22-13- REVISE CHERRY BRANCH CROSS SECTIONS. UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CHERRY BRANCH ROAD

BEGIN STA. 33+00.00
END STA. 33+00.00

21-OCT-2014 08:42
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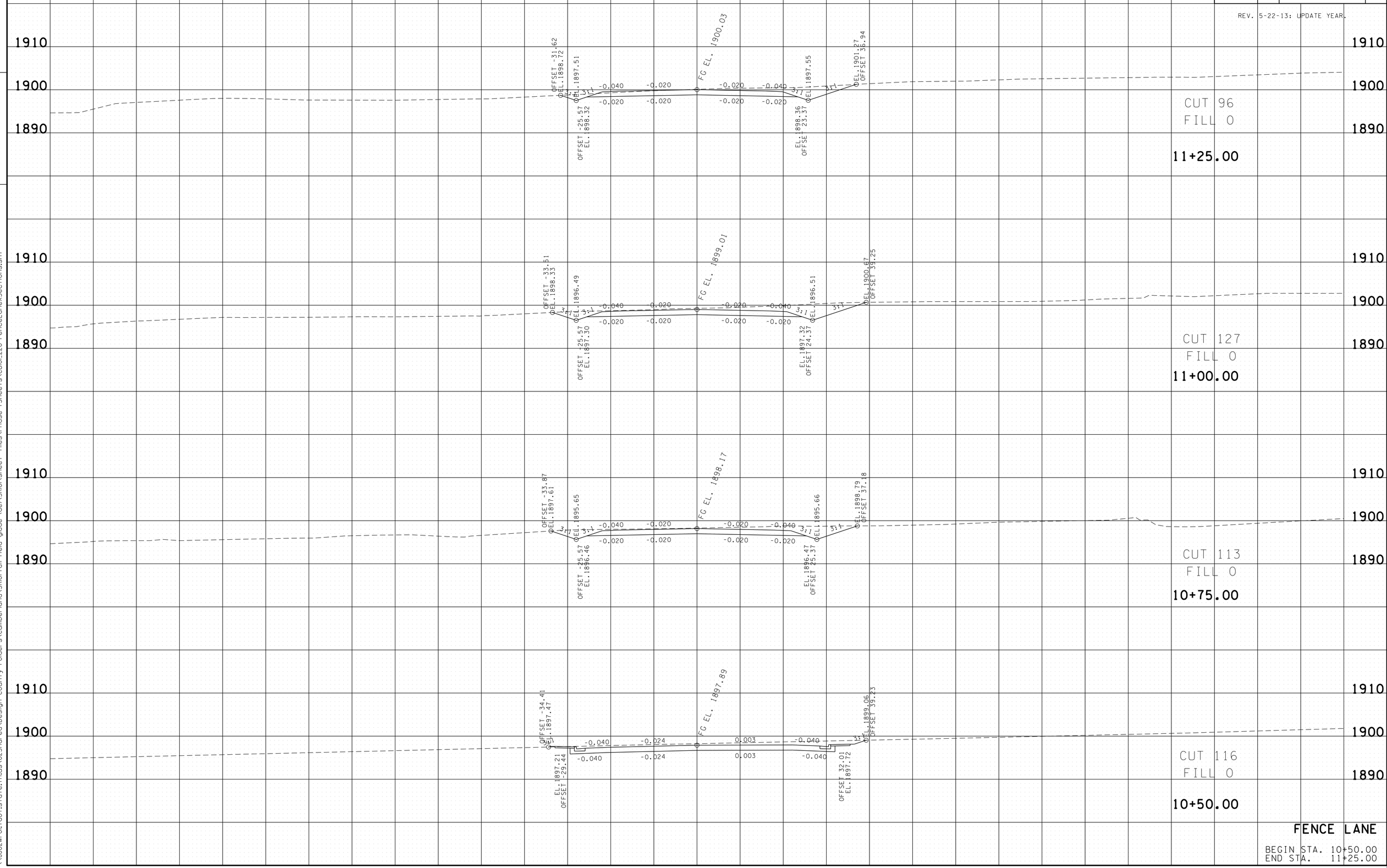
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	220
CONST.	2015	STP-101(16)	220

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



FENCE LANE

BEGIN STA. 10+50.00
END STA. 11+25.00

21-OCT-2014 08:50
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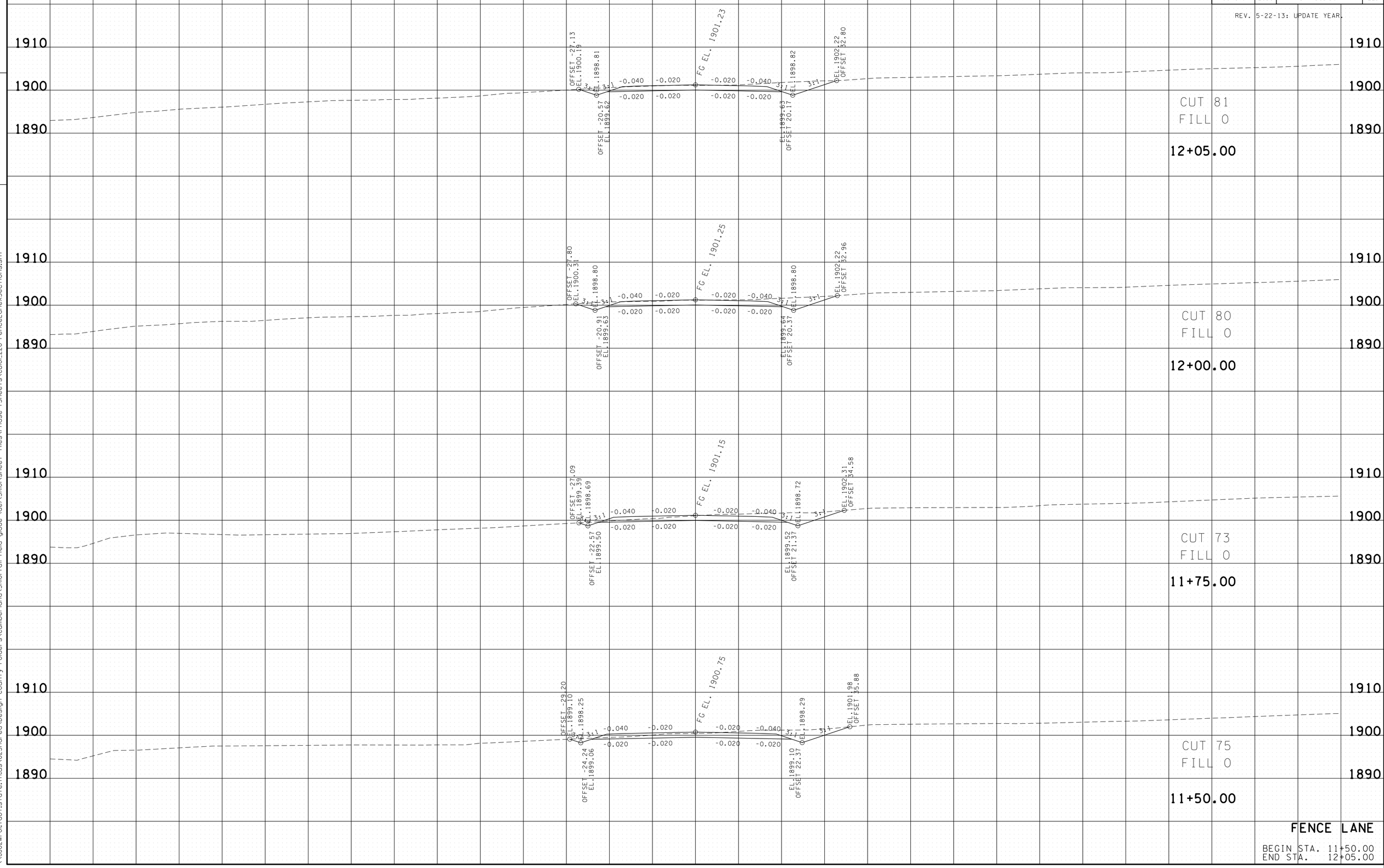
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	221
CONST.	2015	STP-101(16)	221

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



FENCE LANE

BEGIN STA. 11+50.00
END STA. 12+05.00

21-OCT-2014 08:50
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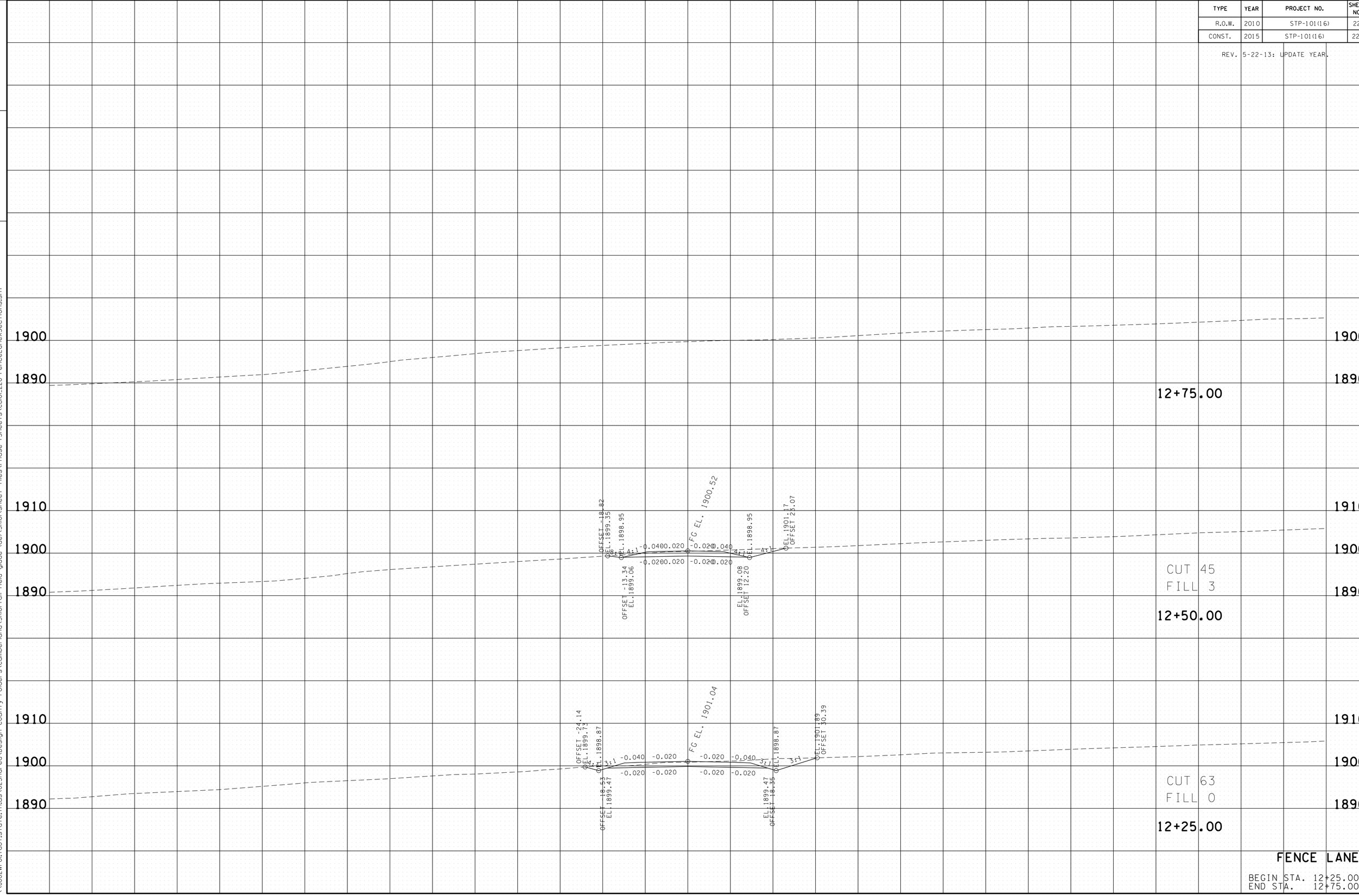
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	222
CONST.	2015	STP-101(16)	222

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



FENCE LANE

BEGIN STA. 12+25.00
END STA. 12+75.00

21-OCT-2014 08:50
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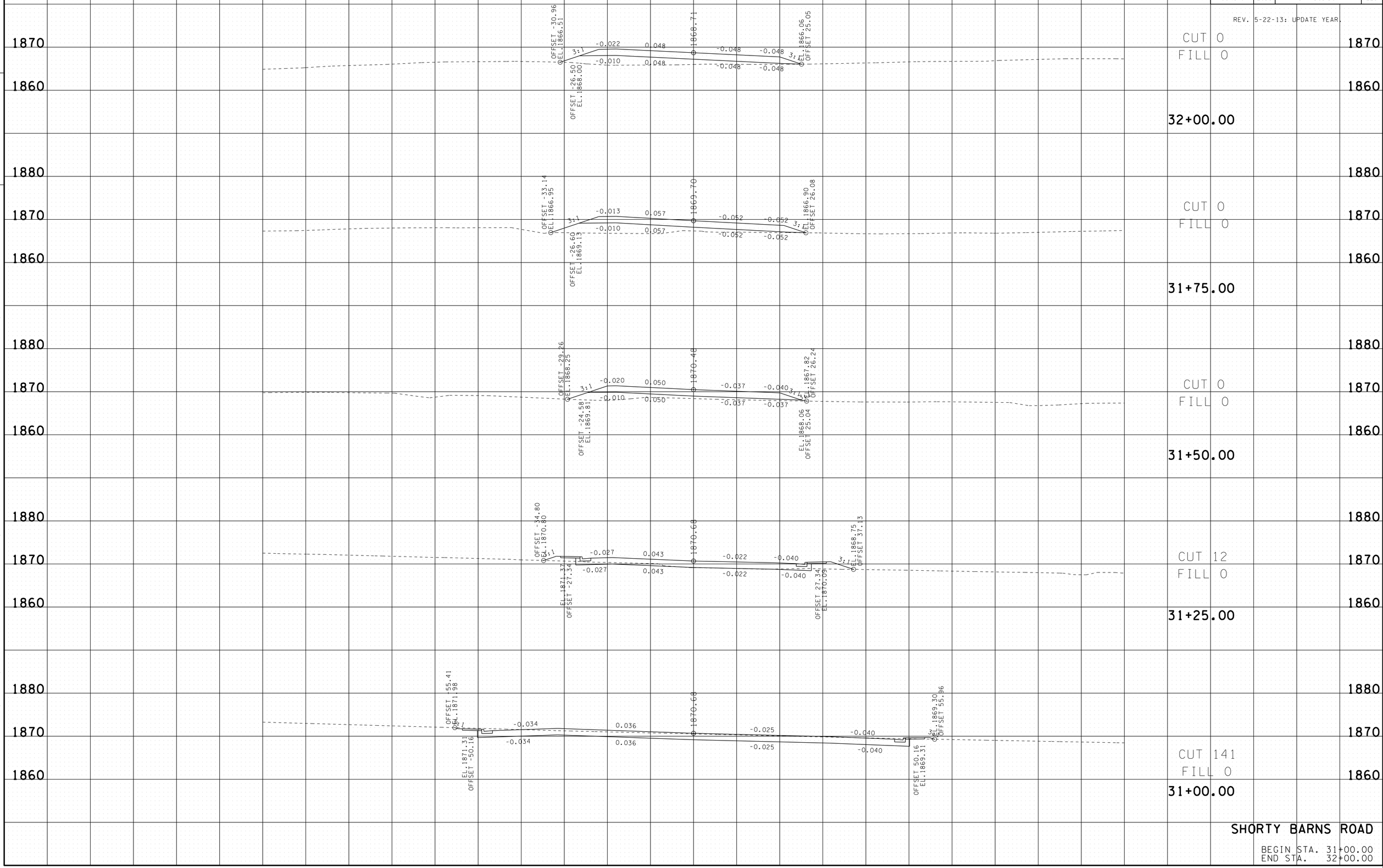
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	223
CONST.	2015	STP-101(16)	223

REV. 5-22-13: UPDATE YEAR.



SHORTY BARNS ROAD

BEGIN STA. 31+00.00
END STA. 32+00.00

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION

21-OCT-2014 08:57
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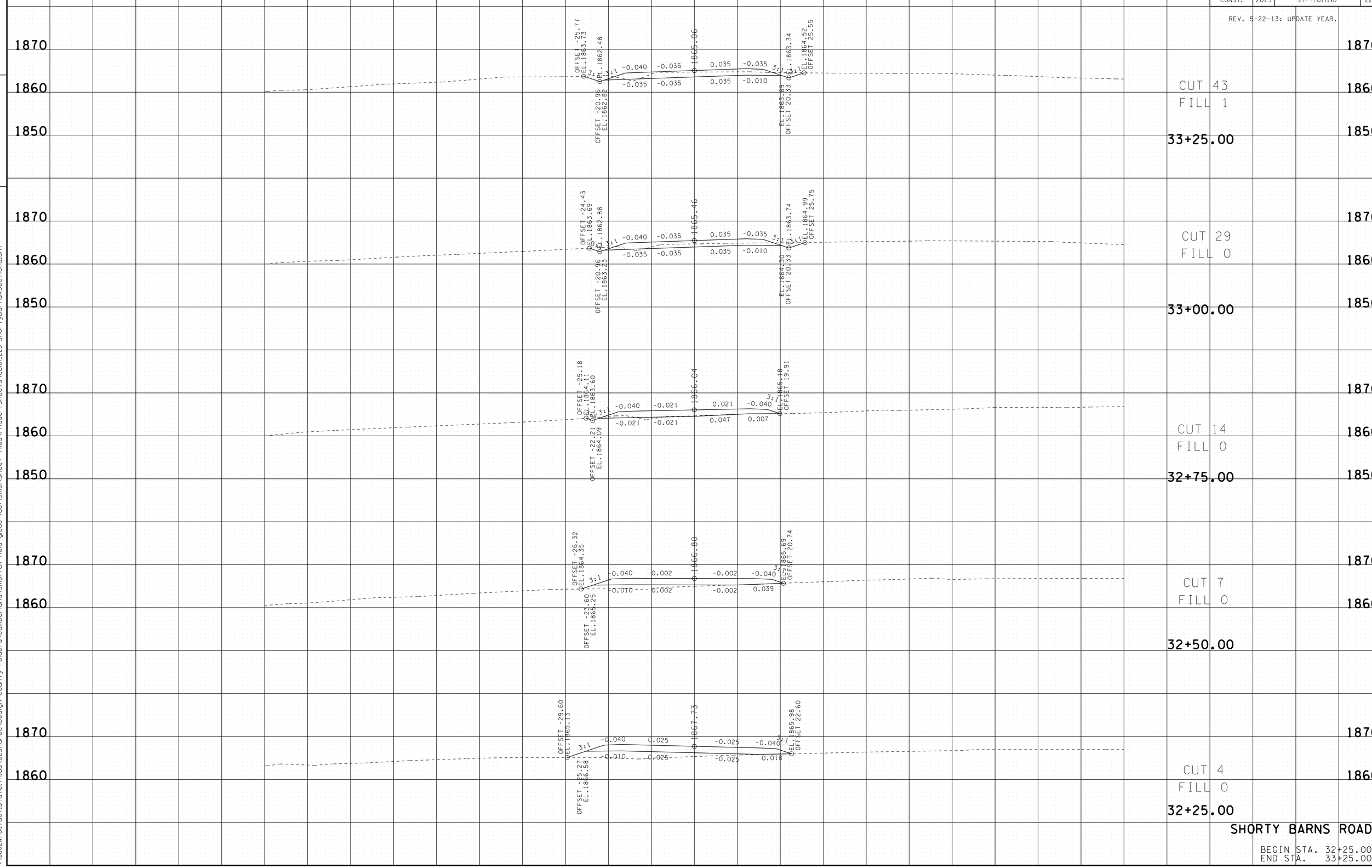
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	224
CONST.	2015	STP-101(16)	224

REV. 5-22-13: UPDATE YEAR.



SHORTY BARNS ROAD

BEGIN STA. 32+25.00
END STA. 33+25.00

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION

21-OCT-2014 08:57
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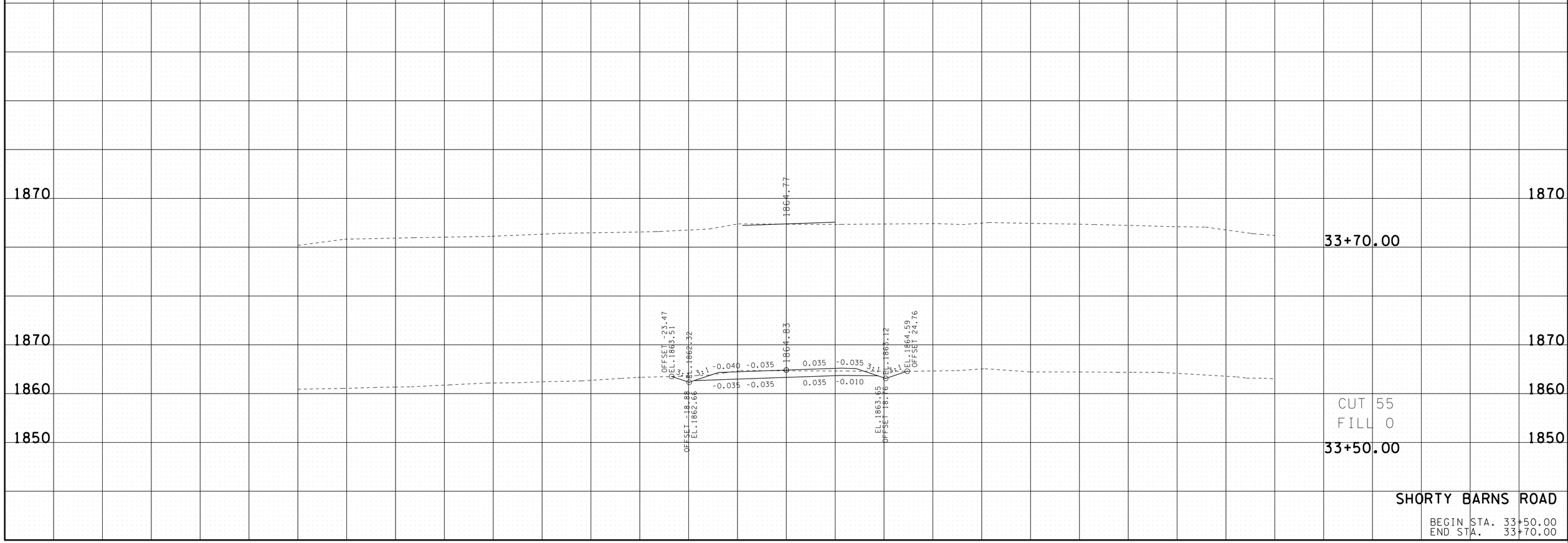
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	225
CONST.	2015	STP-101(16)	225

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SHORTY BARNS ROAD

BEGIN STA. 33+50.00
END STA. 33+70.00

21-OCT-2014 08:57
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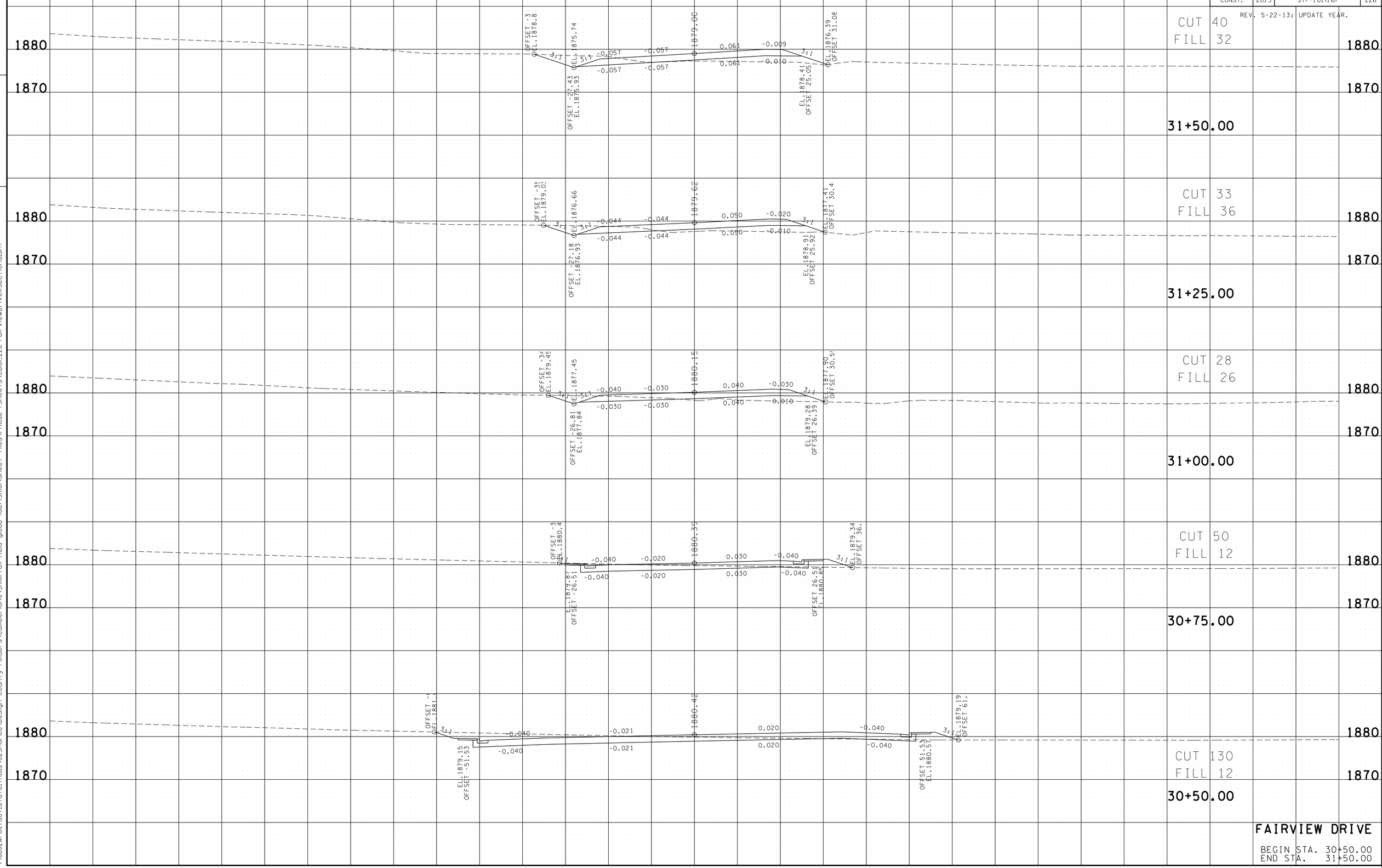
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	226
CONST.	2015	STP-101(16)	226

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



FAIRVIEW DRIVE

BEGIN STA. 30+50.00
END STA. 31+50.00

21-OCT-2014 08:59
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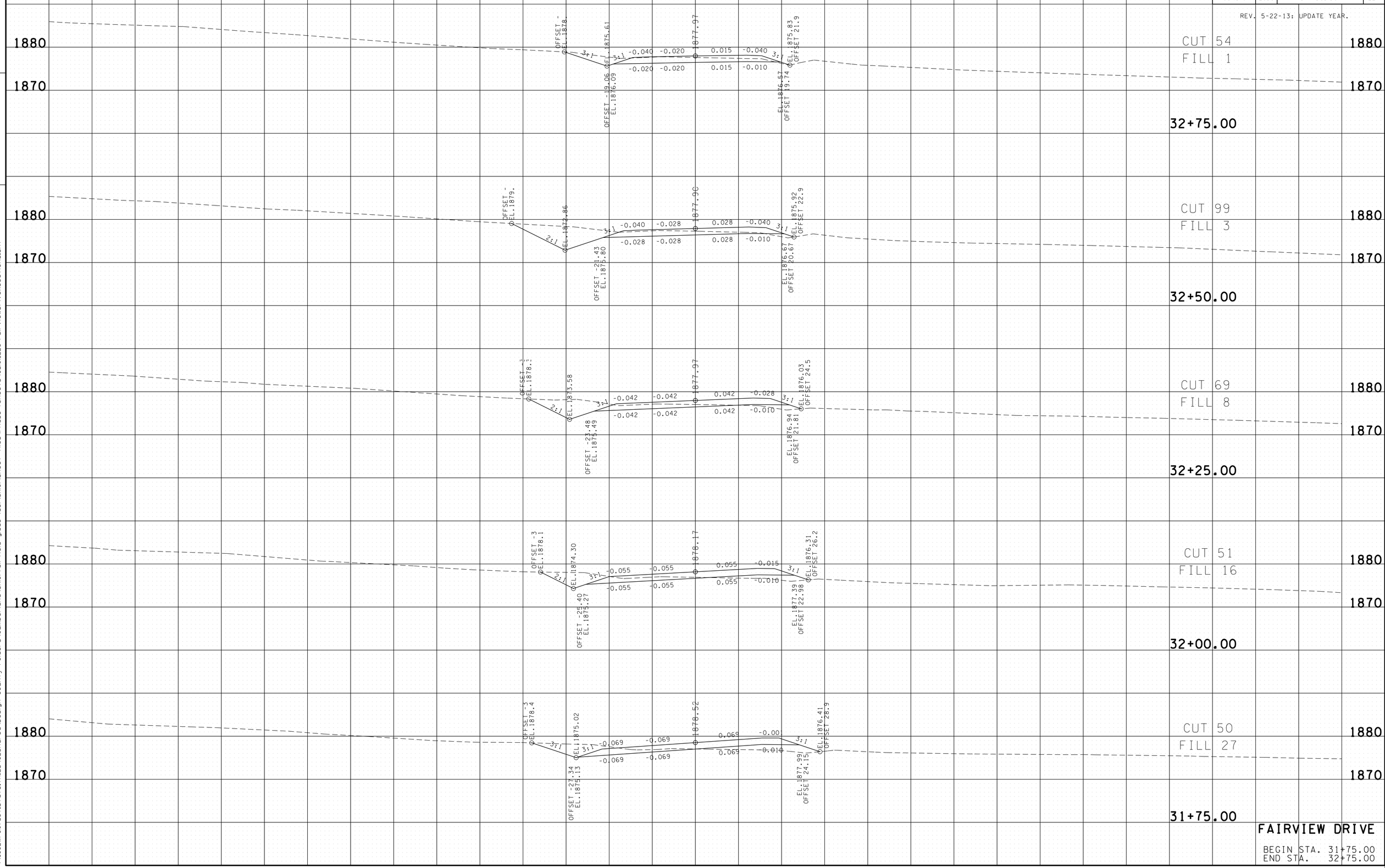
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	227
CONST.	2015	STP-101(16)	227

REV. 5-22-13: UPDATE YEAR.



FAIRVIEW DRIVE

BEGIN STA. 31+75.00
END STA. 32+75.00

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

21-OCT-2014 08:59
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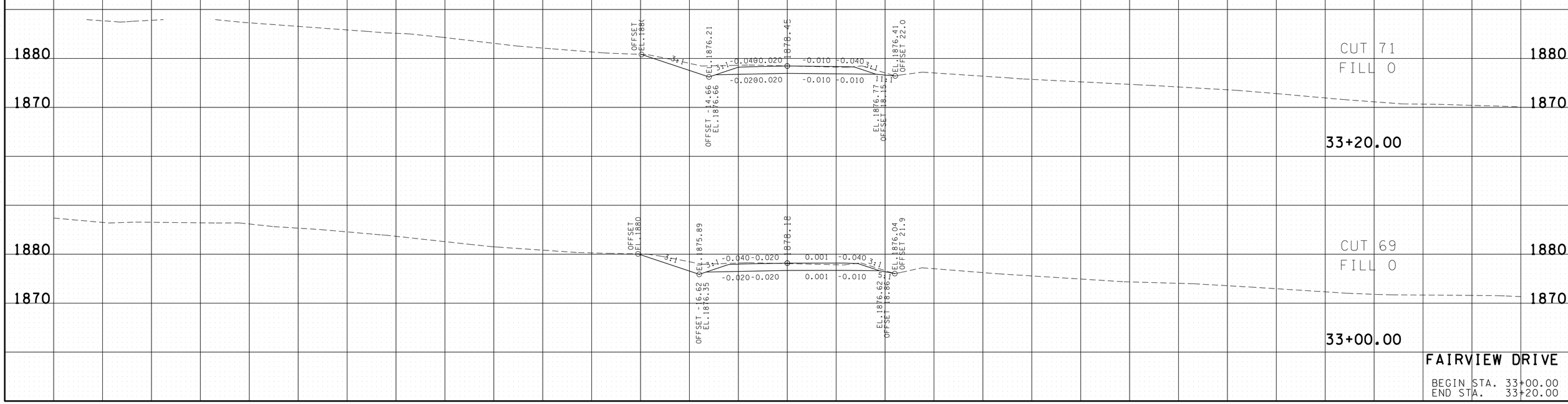
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	228
CONST.	2015	STP-101(16)	228

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



FAIRVIEW DRIVE

BEGIN STA. 33+00.00
END STA. 33+20.00

21-OCT-2014 08:59
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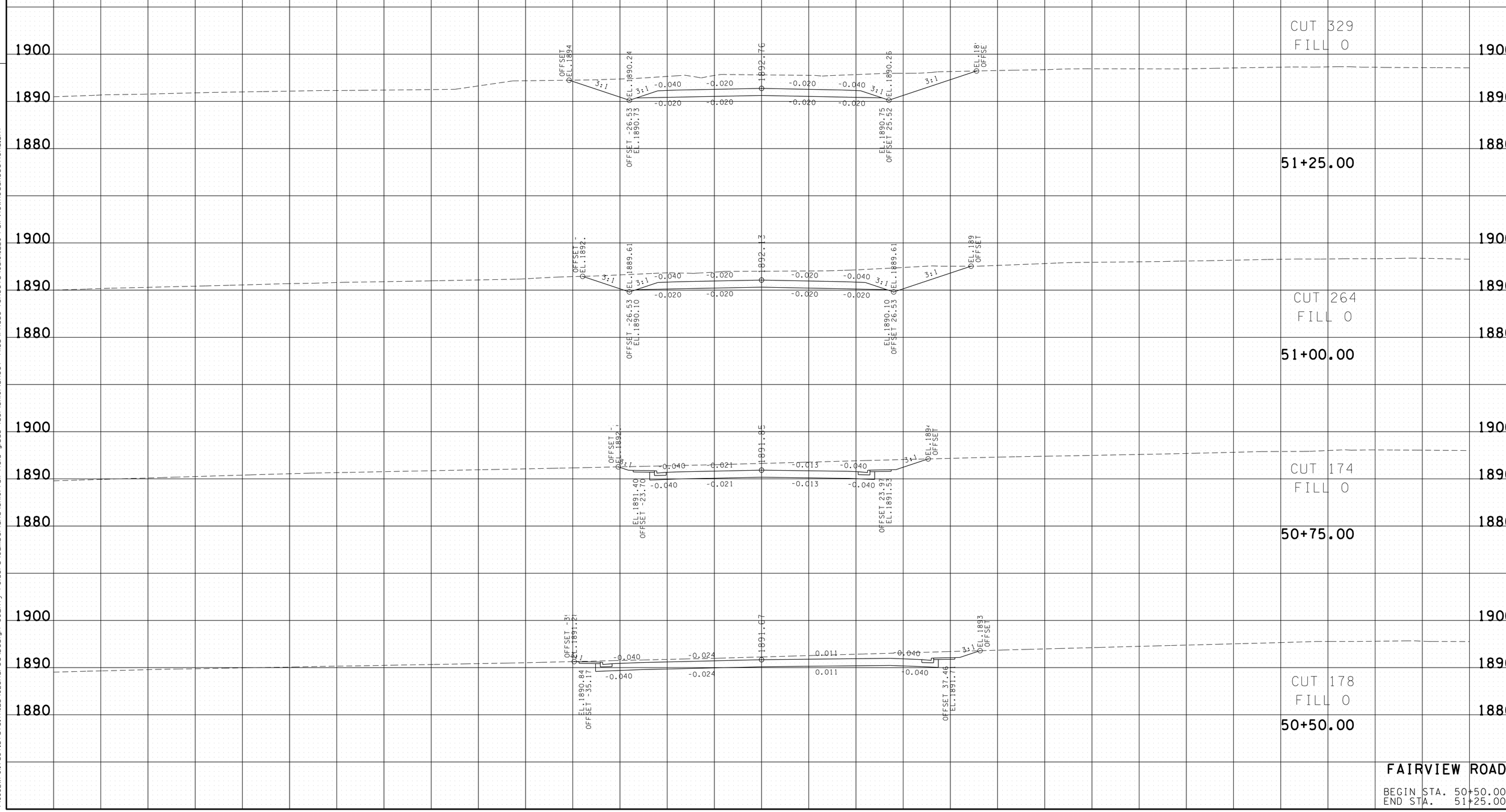
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	229
CONST.	2015	STP-101(16)	229

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



FAIRVIEW ROAD

BEGIN STA. 50+50.00
END STA. 51+25.00

21-OCT-2014 09:01
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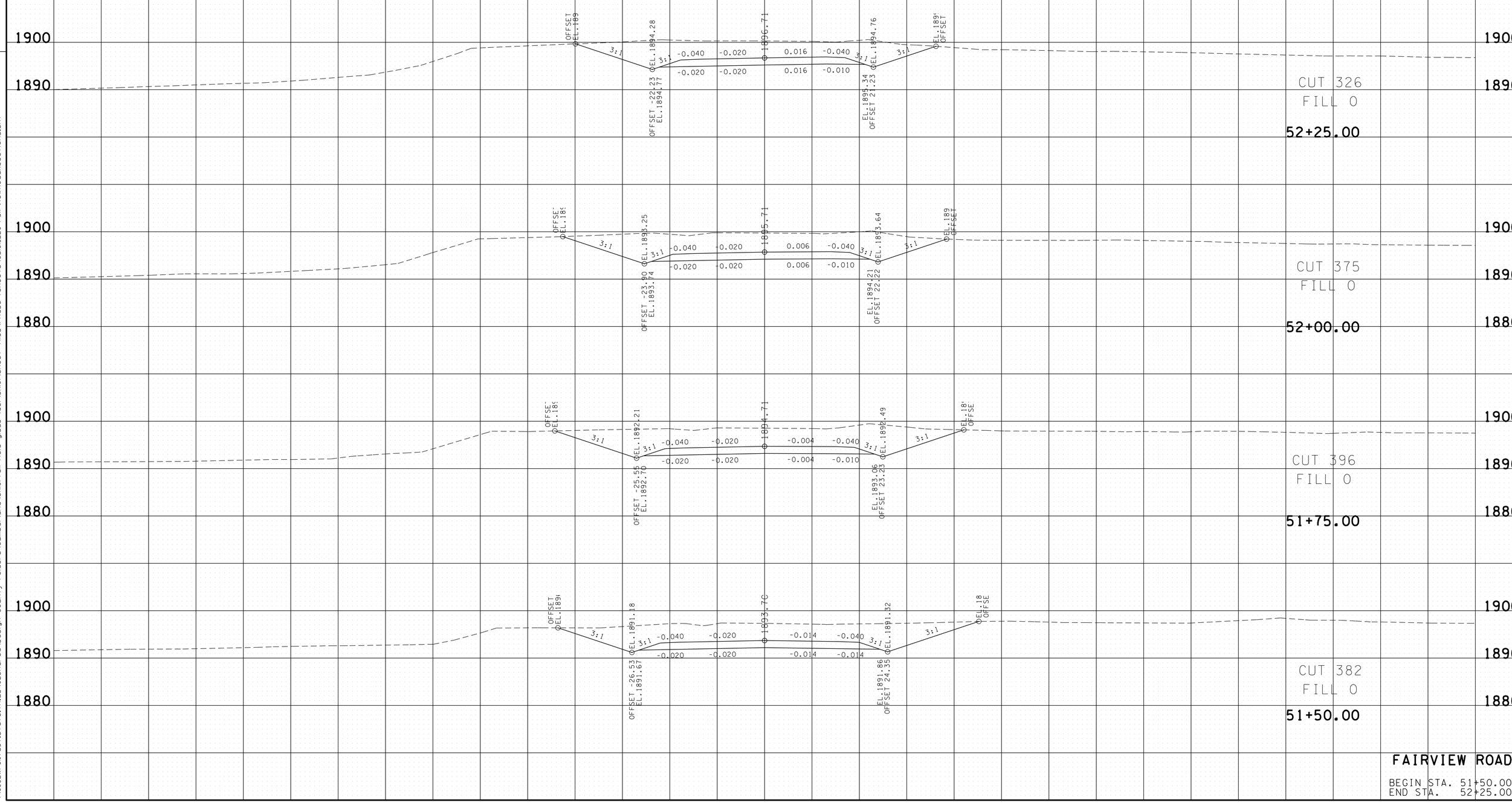
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	230
CONST.	2015	STP-101(16)	230

REV. 5-22-13: UPDATE YEAR.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



FAIRVIEW ROAD

BEGIN STA. 51+50.00
END STA. 52+25.00

21-OCT-2014 09:01
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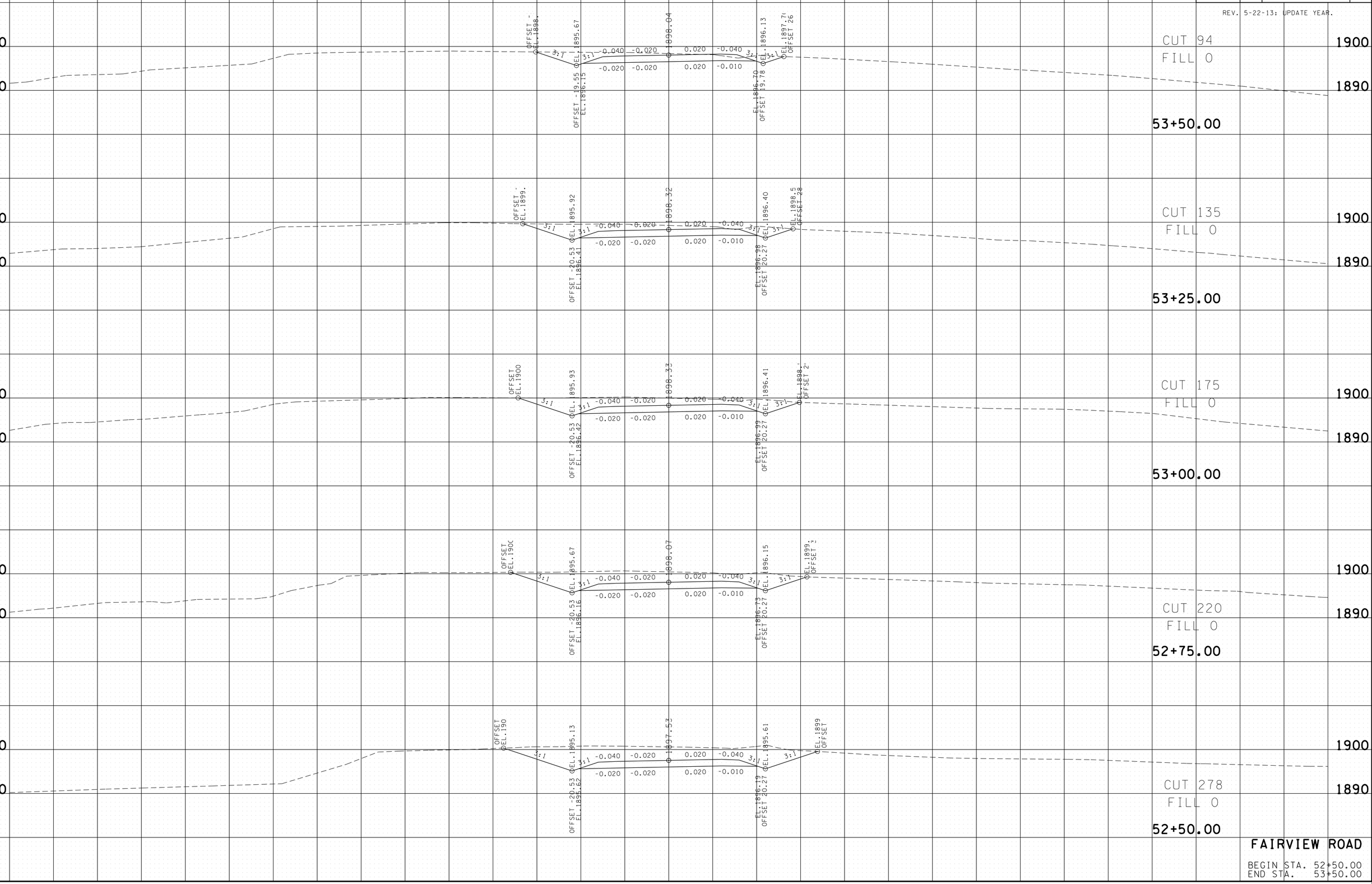
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	231
CONST.	2015	STP-101(16)	231

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



FAIRVIEW ROAD

BEGIN STA. 52+50.00
END STA. 53+50.00

21-OCT-2014 09:01
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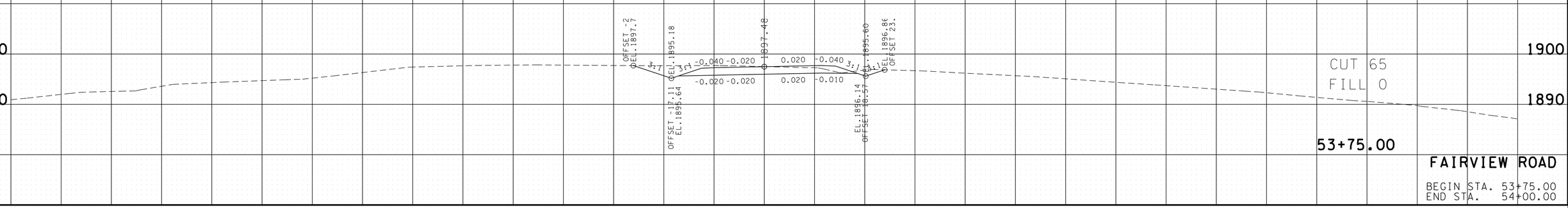
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	232
CONST.	2015	STP-101(16)	232

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



FAIRVIEW ROAD

BEGIN STA. 53+75.00
END STA. 54+00.00

21-OCT-2014 09:01
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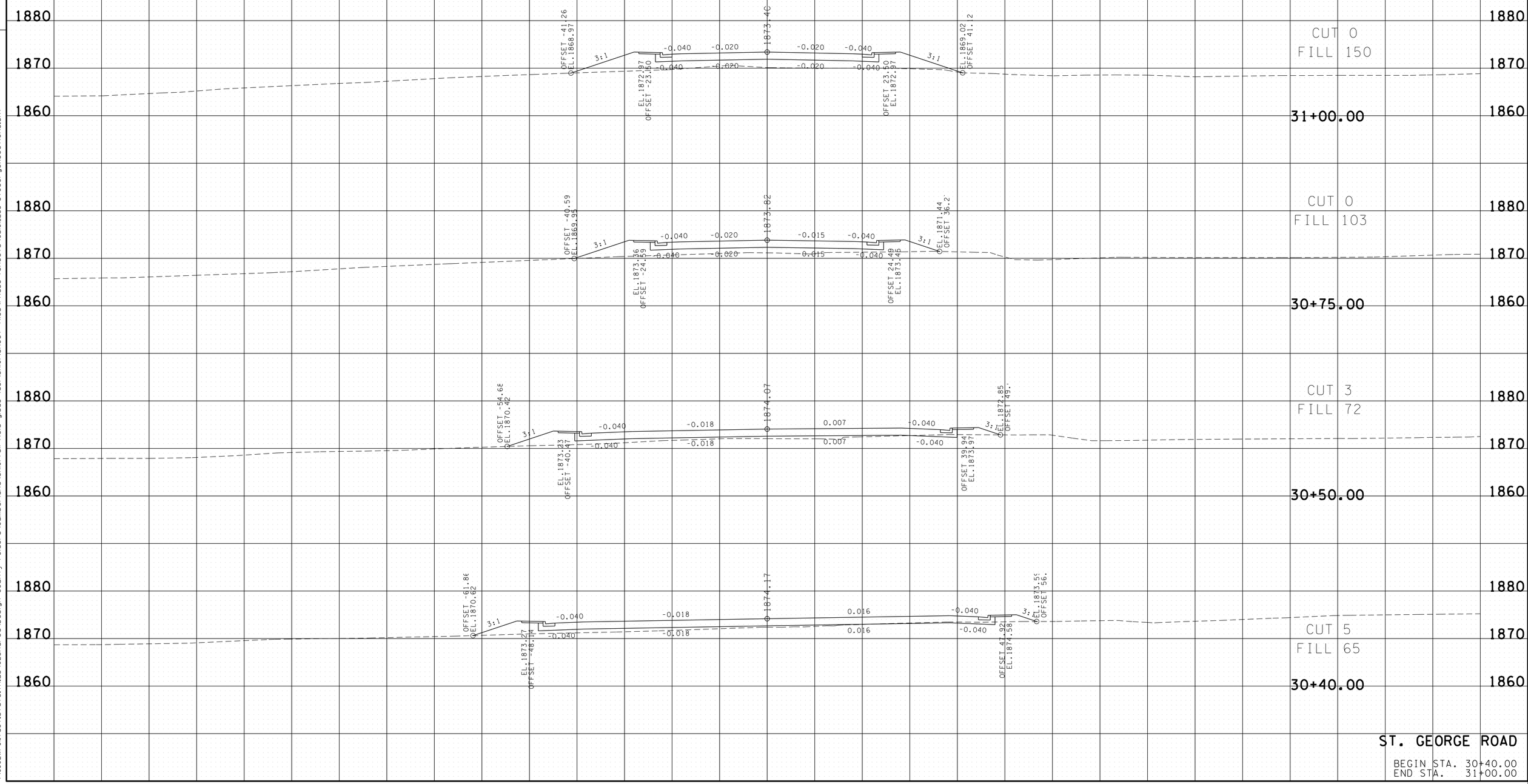
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	233
CONST.	2015	STP-101(16)	233

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



ST. GEORGE ROAD

BEGIN STA. 30+40.00
END STA. 31+00.00

21-OCT-2014 09:25
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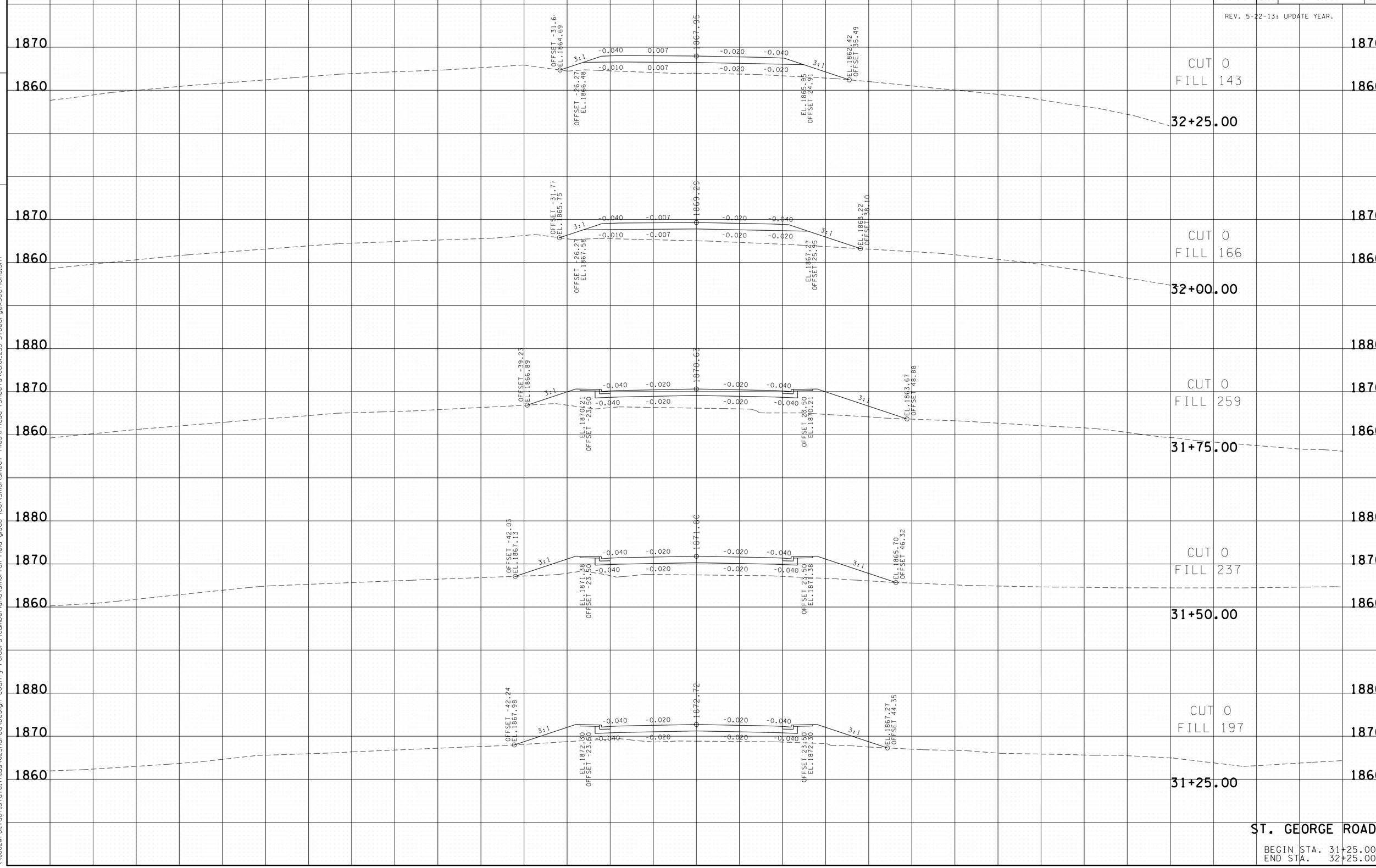
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	234
CONST.	2015	STP-101(16)	234

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



ST. GEORGE ROAD

BEGIN STA. 31+25.00
END STA. 32+25.00

21-OCT-2014 09:25
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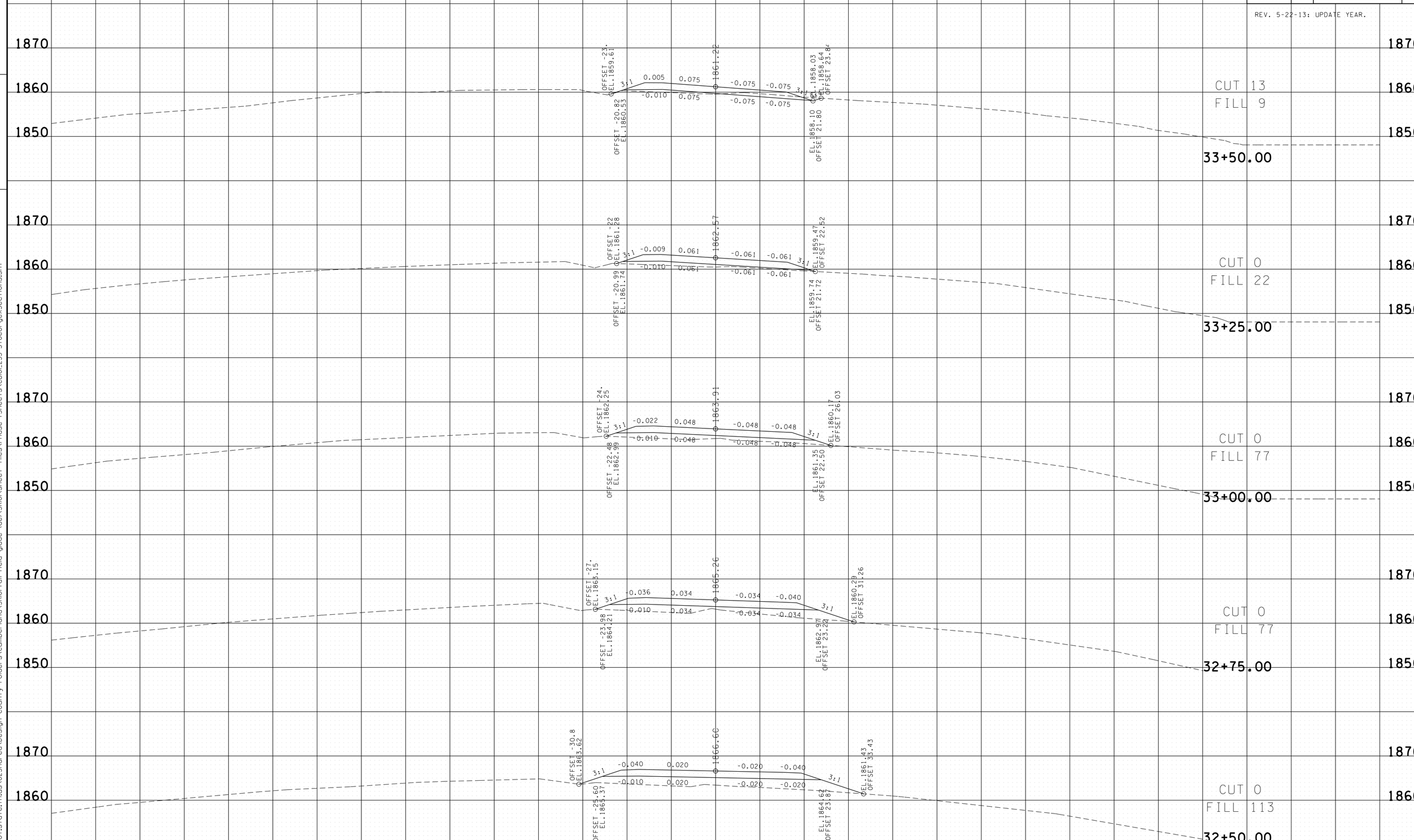
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	235
CONST.	2015	STP-101(16)	235

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



ST. GEORGE ROAD

BEGIN STA. 32+50.00
END STA. 33+50.00

21-OCT-2014 09:25
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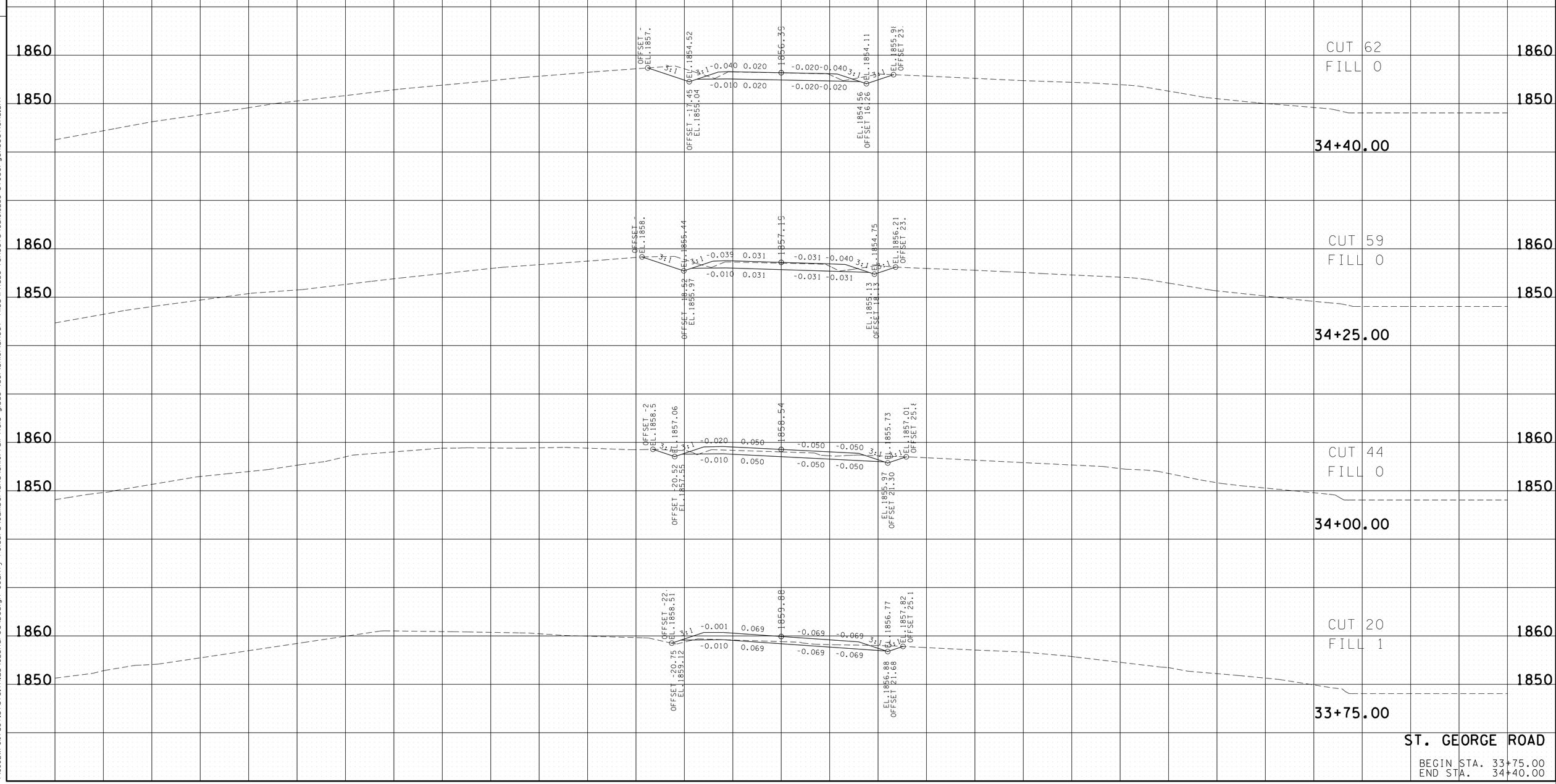
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	236
CONST.	2015	STP-101(16)	236

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



ST. GEORGE ROAD

BEGIN STA. 33+75.00
END STA. 34+40.00

21-OCT-2014 09:25
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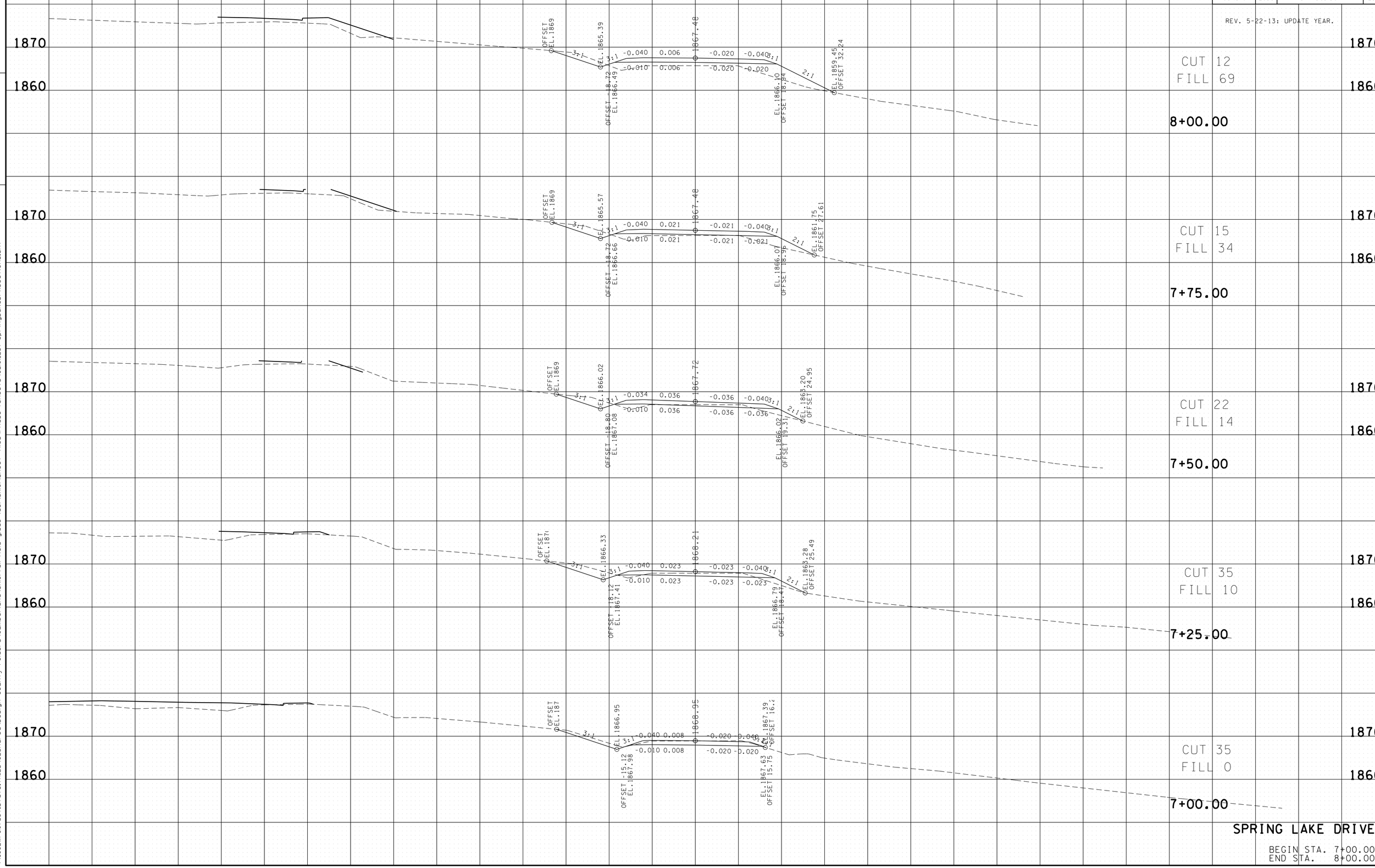
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	237
CONST.	2015	STP-101(16)	237

REV. 5-22-13: UPDATE YEAR.



SPRING LAKE DRIVE

BEGIN STA. 7+00.00
END STA. 8+00.00

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

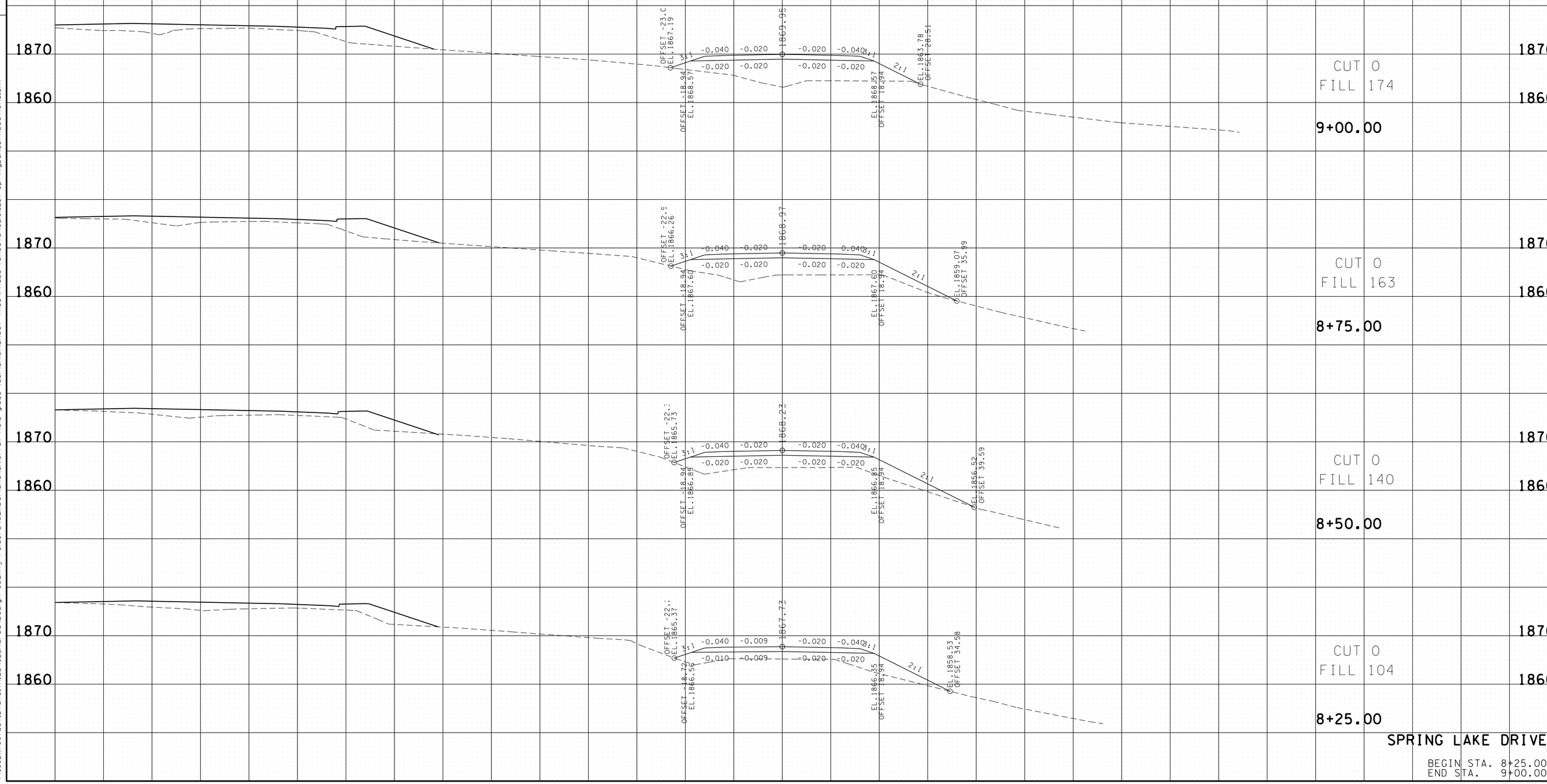
21-OCT-2014 09:31
\\JJ02WF01.tdot.state.tn.us\02Shared\Design County Folders\Cumberland\SR01fairfield glade (de)\SR01\sheet files\Phase 1Sheets\CU101.237-SpringLakeDrXSections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	238
CONST.	2015	STP-101(16)	238

REV. 5-22-13: UPDATE YEAR.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SPRING LAKE DRIVE

BEGIN STA. 8+25.00
END STA. 9+00.00

21-OCT-2014 09:31
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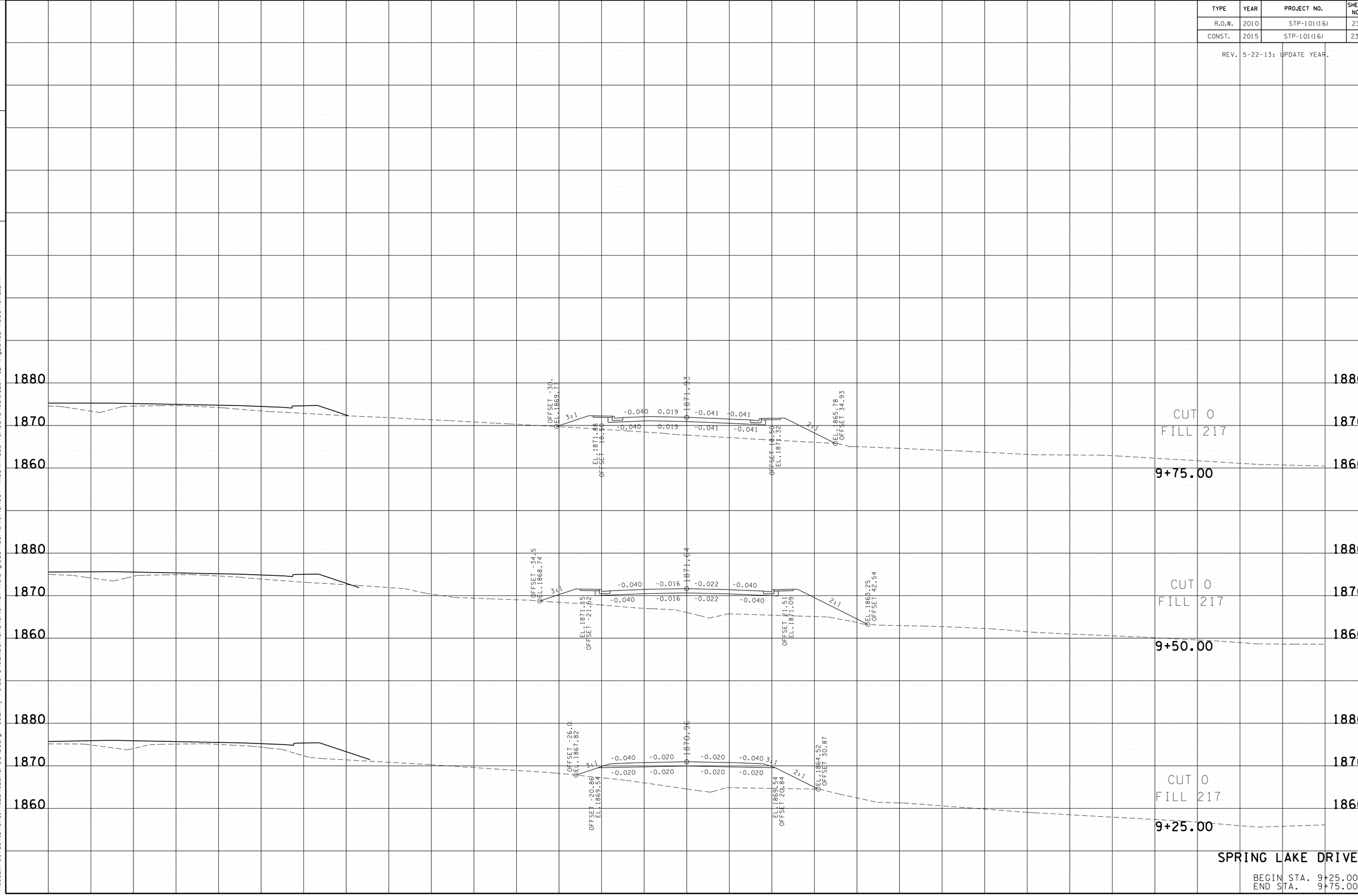
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	239
CONST.	2015	STP-101(16)	239

REV. 5-22-13: UPDATE YEAR.

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



SPRING LAKE DRIVE

BEGIN STA. 9+25.00
END STA. 9+75.00

21-OCT-2014 09:31
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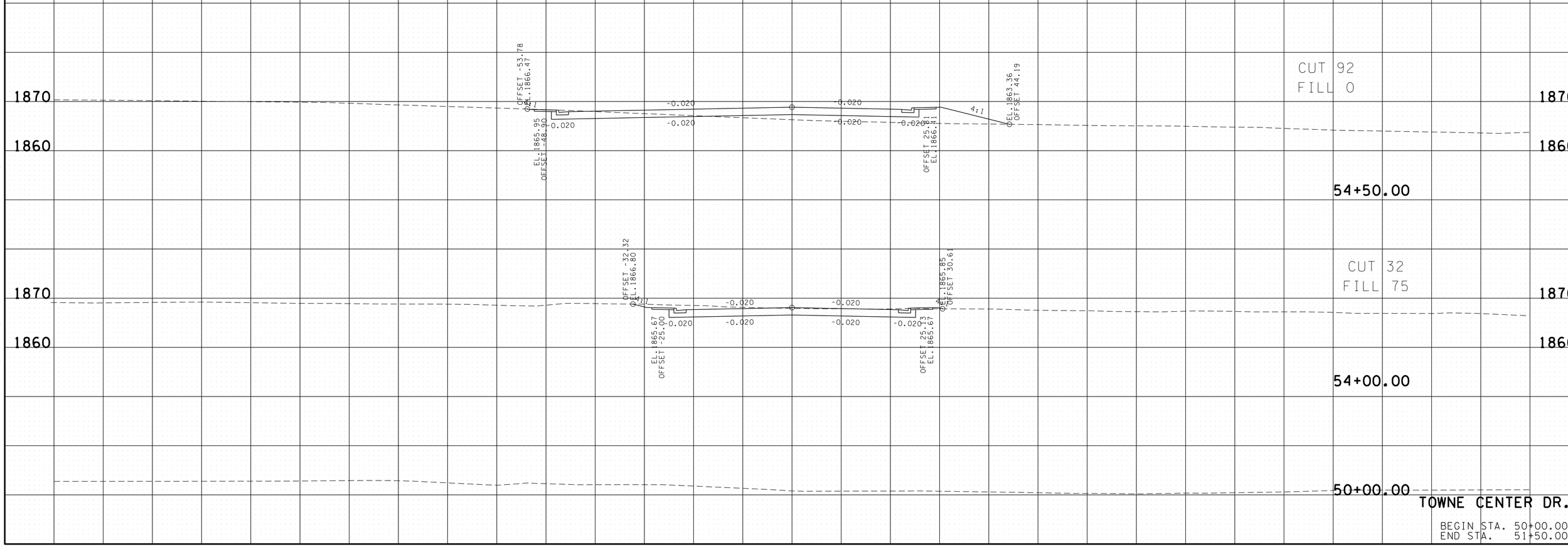
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	240
CONST.	2015	STP-101(16)	240

REV. 5-22-13- UPDATE YEAR.
UPDATE TOWNE CENTER CROSS SECTIONS

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



TOWNE CENTER DR.

BEGIN STA. 50+00.00
END STA. 51+50.00

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