STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

REGION 2 DESIGN
P. O. BOX 22368
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(423) 892-3430

JOHN C. SCHROER
COMMISSIONER

BILL HASLAM
GOVERNOR

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Mr. David A. Rutherford, City Manager, Crossville, TN
Ms. Sally Oglesby, City Clerk, Crossville, TN
Mr. Tim Begley, Director of Engineering, Crossville, TN
Mayor Kenneth Carey, Cumberland County
Mr. Scott Blaylock, Road Superintendent, Cumberland, TN

FROM: David A. Yates, PE, Civil Engineering Manager 1

DATE: June 27, 2016

SUBJECT: Constructability Field Review (Phase 2 ONLY)
Project No. STP-101(17), 18038-3242-14
PIN No. 100268.02
SR-101 (Peavine Road), from Lakeview Drive to east of Westchester Drive/
Catossa Boulevard in Fairfield Glade
Cumberland County

This will confirm arrangements made regarding a Field Review for the subject project.

Persons desiring to attend, please meet at
TDOT Region 2 Construction Office
218 Genesis Road, Suite 101
Crossville, TN
on July 18, 2016 at 9:00 A.M., Central Standard Time.

The plans have been uploaded to FileNet under the file name:
100268-02-ConstructabilityFieldReview.pdf

The plans for Phase 1 have been uploaded to FileNet under the file name:
100268-01-ConstructabilityFieldReview.pdf

For those addressees without FileNet access, prints of the ½ size plans will be mailed.

Please review the plans and have your comments ready before the field review is made.

Enclosures

CC: Mr. Brad Scott (Brad.Scott@tn.gov)
Mr. Steve Langford (Steve.Langford@tn.gov)
Mr. Rob Howard (Rob.Howard@tn.gov)
Mr. Adam Casteel (Adam.Casteel@tn.gov)
Mr. Chester Sutherland (Chester.Sutherland@tn.gov)
Mr. Landon Castleberry (Landon.T.Castleberry@tn.gov)
Mr. Scott Medlin (Scott.Medlin@tn.gov)
Mr. Cole Reagan, AMEC Foster Wheeler (cole.reagan@amecfw.com)

UTILITIES, w/one set of half size prints
Mr. Harold Rader,II, Frontier/Citizens Communications Company
Mr. Rody Blevins, Volunteer Energy Cooperative
Mr. John Mullen, Middle Tennessee Natural Gas
Mr. Joe Hunter, Charter Communications
Mr. Joshua Jones, Comcast (XFINITY)
Mr. Vince King, Spirit Broadband
Mr. Everett Bolin, Crab Orchard Utility District
Mr. Richard Boyd, Volfirst
Mr. Shane Beasley, Tennessee Valley Authority

Mr. Tim Martin, Fairfield Glade Community Club

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

INDEX OF SHEETS

SEE SHEET NO. 1A FOR INDEX

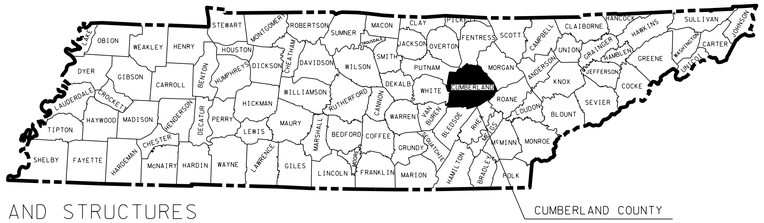
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

TENN.	YEAR	SHEET NO.
	2016	1
FED. AID PROJ. NO.	STP-101(17)	
STATE PROJ. NO.	18038-3242-14	

CUMBERLAND COUNTY

SR-101 (PEAVINE ROAD)

CONST. PHASE 2 -- FROM LAKEVIEW DRIVE TO EAST OF
WESTCHESTER DRIVE/CATOOSA BOULEVARD
IN FAIRFIELD GLADE



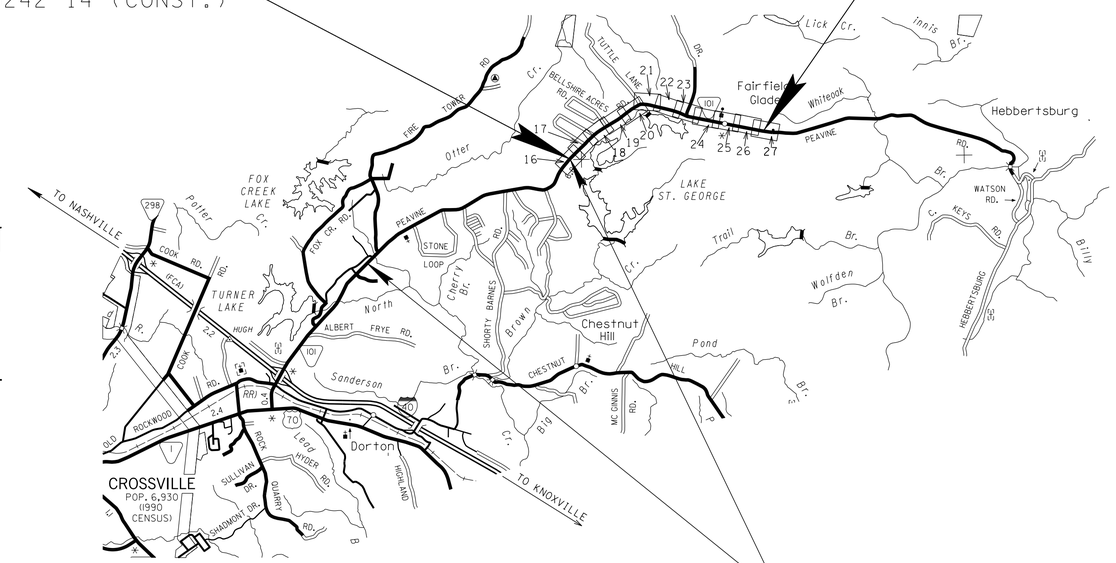
RESURFACING, GRADE, DRAIN, BASE, PAVE, GUARDRAIL, PAVEMENT MARKINGS, AND STRUCTURES

CONSTRUCTION: PHASE 2

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

(PHASE 2) STP-101(17)
BEGIN PROJECT NO. 18038-3242-14 (CONST.)
STA. 215+00.00

(PHASE 2) STP-101(17)
END PROJECT NO. 18038-3242-14 (CONST.)
STA 355+10.00



ADJACENT PROJECT (PHASE 1)(CONST.)
PROJECT NO. STP.101-(16)
STA. 58+86.00 TO STA. 215+00.00

SCALE: 1"= 5000'

NO EXCLUSIONS
NO EQUATIONS

SEALED BY
CONSTRUCTABILITY FIELD REVIEW

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 C.E. MANAGER 2 Robert Rodgers, P.E.

DESIGNER Jason Ingram, P.E. CHECKED BY: David Yates P.E.

P.E. NO. 18038-1230-04

PIN NO. 100268.02

PHASE 2- ROADWAY LENGTH	2.653 MILES
BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES
PROJECT LENGTH	2.653 MILES

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

24-JUN-2016 12:04
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	1A

INDEX

SHEET NAME	SHEET NO.
TITLE SHEET	1
ROADWAY INDEX AND STANDARD DRAWINGS INDEX	1A
ESTIMATED ROADWAY QUANTITIES	2 – 2A
ESTIMATED SIGNAL QUANTITIES	2B
ESTIMATED UTILITIES QUANTITIES	2C
TYPICAL SECTIONS AND PAVING SCHEDULE	2C – 2G
GENERAL NOTES AND SPECIAL NOTES	2J – 2M
TABULATED QUANTITIES	2N – 2T
PROPERTY MAPS AND RIGHT-OF-WAY ACQUISITION TABLES	3, 3C–3D, 3F-3G
REFERENCE CONTROL POINTS	3K-3M
PRESENT LAYOUTS	16 – 27
ROW DETAIL LAYOUTS	17A-27A
PROPOSED LAYOUTS	16B – 27B
PROPOSED PROFILES	16C – 27C
PUBLIC SIDE ROADS AND RAMP PROFILES	28A – 28F
PRIVATE DRIVE AND FIELD RAMP PROFILES	29G – 29L
DRAINAGE MAPS	30A – 30B
CULVERT SECTIONS	31,31A – 31D
EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLANS	32, 32(1A), 32N–32Z, 33N-33Z, 34N–34Z
TRAFFIC CONTROL PLANS WITH CONSTRUCTION	
PHASING NOTES	35, 35A, 35N-35Z, 36N-36Z
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SIGN SCHEDULE SHEETS	38, 38A - 38Z
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SIDE ROAD CROSS SECTIONS	207 - 263
UTILITIES INDEX	U1-1
STORM WATER POLLUTION PREVENTION PLAN (SWPPP) INDEX	S-1

"NO PROJECT COMMITMENTS SHEET INCLUDED IN THIS SET OF PLANS"

OMITTED SHEETS..... 2B, 4-15, 40-113

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
RD01-TS-1	02-05-16	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

STANDARD ROADWAY DRAWINGS

DWG. NO	REV.	DESCRIPTION
RD01-TS-6	01-25-16	TYPICAL CURB AND GUTTER SECTIONS WITH SHOULDER
RD01-TS-6A	07-31-13	TYPICAL CURB AND GUTTER SECTIONS WITHOUT SHOULDER
RD01-TS-7	10-15-02	DESIGN STANDARDS 2-LANE HIGHWAY WITH CONTINUOUS 2-WAY LEFT-TURN LANE
RD01-TS-7A	10-15-02	DESIGN STANDARDS 2-LANE CURB AND GUTTER WITH CONTINUOUS 2-WAY LEFT-TURN LANE
RD01-SE-2	10-15-02	URBAN SUPERELEVATION DETAILS
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
RD-UD-3	09-05-96	UNDERDRAIN DETAILS
RD-UD-4	01-25-16	UNDERDRAIN LATERAL DETAILS

PIPE CULVERTS AND ENDWALLS

DWG. NO	REV.	DESCRIPTION
D-PB-1	01-02-13	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PB-2	01-29-14	STANDARD DETAILS FOR FLEXIBLE PIPE INSTALLATION
D-PG-3	04-15-97	FERROUS AND ALUMINUM CORRUGATED METAL PIPE
D-PO-1	05-27-01	OVAL & FLAT BASE CONCRETE CULVERT PIPE
D-PE-18A	01-06-15	18" CONCRETE ENDWALL CROSS DRAIN
D-PE-18B		18" CONCRETE ENDWALL CROSS DRAIN
D-PE-24A	01-21-16	24" CONCRETE ENDWALL CROSS DRAIN
D-PE-24B		24" CONCRETE ENDWALL CROSS DRAIN
D-PE-30A	01-21-16	30" CONCRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-30B		30" CONCRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-36A	06-14-13	36" CONCRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-36B		36" CONCRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-SEW-1A	06-14-13	SIDE DRAIN CONCRETE ENDWALL WITH STEEL PIPE GRATE

CATCH BASINS AND MANHOLES

DWG. NO	REV.	DESCRIPTION
D-CB-12LP	08-01-12	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
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-39RB	03-11-14	STANDARD PRECAST CIRCULAR NO. 39 CATCH BASIN
D-CB-39S	08-01-12	STANDARD 4' X 4' SQUARE CONCRETE NO. 39 CATCH BASIN
D-CB-39SC	03-11-14	STANDARD 5'2" X 5'2" SQUARE CONCRETE NO. 39 CATCHBASIN
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
D-CB-43R	03-11-14	STANDARD PRECAST CIRCULAR NO. 43R CATCH BASIN
D-CB-43SB	03-11-14	STANDARD 8' X 4' RECTANGULAR CONCRETE NO. 43SB CATCH BASIN
D-CB-43SC	03-11-14	STANDARD 8' X 5'2" RECTANGULAR CONCRETE NO. 43SC CATCH BASIN
D-CBB-12A	05-27-01	TYPE "B" CAST IRON FRAME, GRATE & NONMOUNTABLE INLET DETAILS FOR NOS. 10, 12, 14, 16, AND 17 TYPE CATCH BASINS
D-CBB-12B	05-27-01	TYPE "B" CAST IRON FRAME, GRATE & 6" MOUNTABLE INLET DETAILS FOR NOS. 25, 26 AND 27 TYPE CATCH BASINS
D-CBB-12C	05-27-01	TYPE "B" CAST IRON FRAME, GRATE & 4" MOUNTABLE INLET DETAILS FOR NOS. 28 AND 29 TYPE CATCH BASINS
D-CBB-42	05-27-01	CAST IRON GRATE DETAILS FOR NOS. 42, 43 & 44 TYPE CATCH BASINS
D-MH-2	02-02-16	STANDARD MASONRY & PRECAST NO. 3 MANHOLE
D-MH-3	04-21-14	STANDARD PRECAST CIRCULAR LID DETAILS FOR NO. 3 MANHOLE
D-MH-4	04-01-14	STANDARD NO. 3 MANHOLE CASTINGS AND STEPS
D-MH-6	04-01-14	STANDARD 7' X 7' SQUARE CONCRETE NO. 3 MANHOLE

ROADWAY AND PAVEMENT APPURTENANCES

DWG. NO	REV.	DESCRIPTION
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

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INDEX AND STANDARD DRAWINGS

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

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

RP-D-16	07-15-08	DETAILS OF LOWERED STANDARD CONCRETE DRIVEWAYS
RP-R-1	05-27-01	STANDARD RAMPS TO SIDE ROADS
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-H-3	01-30-15	CURB RAMP AND TRUNCATED DOME SURFACE DETAIL
RP-H-4	01-30-15	PERPENDICULAR CURB RAMP
RP-H-5	01-30-15	PARALLEL CURB RAMP
RP-H-7	01-30-15	PERPENDICULAR CURB RAMP TYPE 1
RP-H-8	02-05-16	PERPENDICULAR CURB RAMP TYPE 2
RP-H-9	01-30-15	PARALLEL CURB RAMP TYPE 3 & 4
RP-S-7	02-05-16	DETAILS FOR STANDARD CONCRETE SIDEWALKS

SAFETY DEVICES AND FENCES

S-CZ-1		CLEAR ZONE CRITERIA
S-PL-1	02-02-15	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-PL-6	12-01-14	SAFETY PLAN: SAFETY HARDWARE PLACEMENT
S-GR31-1	12-01-14	W-BEAM GUARDRAIL
S-GRS-2		SPECIAL CASE: GUARDRAIL ATTACHMENT TO CONCRETE DECKS
S-GRC-1		GUARDRAIL CONNECTION TO BRIDGE ENDS OR BARRIER WALL
S-GRT-2	11-03-14	TYPE 38 GUARDRAIL TERMINAL
S-GRT-2P		EARTH PAD FOR TYPE 38 TERMINAL
S-GRT-2R		EARTH PAD FOR TYPE 38 TERMINAL (RETROFIT)
S-GRT-3		TYPE 21 GUARDRAIL TERMINAL
S-GRT-3D		TYPE 21 GUARDRAIL TERMINAL (DETAILS)
S-GRT-3P		EARTH PAD FOR TYPE 21 TERMINAL
S-GRT-4	04-23-15	TYPE 13 GUARDRAIL TERMINAL (TRAILING END)
S-GRA-3	05-01-15	GUARDRAIL ANCHOR FOR TYPE 21, 13 AND IN-LINE TERMINALS
S-GRA-4		IN-LINE GUARDRAIL ANCHOR
S-F-1	05-24-12	HIGH VISIBILITY FENCE
S-RP-2	02-18-16	STANDARD CONCRETE RIGHT-OF-WAY MARKERS

DESIGN – TRAFFIC CONTROL

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	01-30-15	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

EROSION PREVENTION AND SEDIMENT CONTROL

EC-STR-2	08-01-12	SEDIMENT FILTER BAG
EC-STR-3B	08-01-12	SILT FENCE
EC-STR-3C	08-01-12	SILT FENCE WITH WIRE BACKING
EC-STR-3E	04-01-08	SILT FENCE FABRIC JOINING DETAILS
EC-STR-34	08-01-12	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION
EC-STR-37	06-10-14	SEDIMENT TUBE
EC-STR-6	08-01-12	ROCK CHECK DAM
EC-STR-6A	08-01-12	ENHANCED ROCK CHECK DAM
EC-STR-11	08-01-12	CULVERT PROTECTION TYPE 1
EC-STR-19	04-01-08	CATCH BASIN PROTECTION
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-STE-40		CATCH BASIN FILTER ASSEMBLY FOR CIRCULAR STRUCTURES
EC-STR-41		CATCH BASIN FILTER ASSEMBLY (TYPE 1)
EC-STR-41A		CATCH BASIN FILTER ASSEMBLY (TYPE 1) SLIPCOVER DETAILS
EC-STR-42		CATCH BASIN FILTER ASSEMBLY (TYPE 2)
EC-STR-42A		CATCH BASIN FILTER ASSEMBLY (TYPE 2) SLIPCOVER DETAILS
EC-STR-45		CATCH BASIN FILTER ASSEMBLY (TYPE 5)
EC-STR-45A		CATCH BASIN FILTER ASSEMBLY (TYPE 5) SLIPCOVER DETAILS
EC-STR-46		CATCH BASIN FILTER ASSEMBLY (TYPE 6)
EC-STR-46A		CATCH BASIN FILTER ASSEMBLY (TYPE 6) SLIPCOVER DETAILS
EC-STR-47		CATCH BASIN FILTER ASSEMBLY (TYPE 7)
EC-STR-47A		CATCH BASIN FILTER ASSEMBLY (TYPE 7) SLIPCOVER DETAILS
EC-STR-25	08-01-12	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
EC-STR-30A		INSTREAM DIVERSION (WITH TRAFFIC)
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 DIVERSION (DOWNSTREAM)
EC-STR-33A	08-01-12	SUSPENDED PIPE DIVERSION (UPSTREAM)
EC-STR-36	08-01-12	TURF REINFORCEMENT MAT FOR CHANNEL INSTALLATION

STANDARD TRAFFIC OPERATIONS DRAWINGS

DWG. NO.	REV.	DESCRIPTION
SIGNS		
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-11	06-06-11	DELINEATOR AND MILEPOST DETAILS
T-S-17	07-02-15	STANDARD GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-19	07-19-15	STANDARD STEEL SIGN SUPPORTS
T-S-20	11-01-11	SIGN DETAILS
SIGNALS		
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	MISCELLANEOUS 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

STANDARD STRUCTURE DRAWINGS

DWG. NO.	REV.	DESCRIPTION
BOX CULVERTS		
STD-15-1	11-06-08	INDEX OF DRAWINGS AND TERMINOLOGY
STD-15-2	03-28-08	GENERAL NOTES
STD-15-3	02-28-03	DESIGN SECTION LIMITS
STD-15-4	12-07-01	TYPICAL SECTION AND DETAILS
STD-15-5	02-28-03	TYPICAL ELEVATION
STD-15-6	03-28-08	CURB AND RAIL DETAILS SKEW NOT LESS THAN 45 DEG.
STD-15-7	03-02-02	STANDARD EDGE BEAM DETAILS FOR FILLS GREATER THAN 3' - 8"
STD-15-8	12-07-01	INTERIOR WALL END TREATMENTS
STD-15-9	02-28-03	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	03-28-08	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-15-39		BOX BRIDGE, 1 BARREL AT 10', CLEAR HTS. 7' - 10', 0 - 60' FILL

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	1B

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INDEX AND STANDARD DRAWINGS

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	2

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	201-01	CLEARING AND GRUBBING	LS	1
8.)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	71981
	203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	1970
	203-03	BORROW EXCAVATION (UNCLASSIFIED)	C.Y.	50363
	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	22716
	203-06	WATER	M.G.	20987
	204-08	FOUNDATION FILL MATERIAL	C.Y.	36
8.)	209-05	SEDIMENT REMOVAL	C.Y.	957
8.)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	36005
8.)	209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	264
8.)	209-08.07	ROCK CHECK DAM PER	EACH	9
8.)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	73
8.)	209-09.01	SANDBAGS	BAG	2934
8.)	209-09.04	SEDIMENT FILTER BAG(15' X 10')	EACH	4
8.)	209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	177
8.)	209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.	204
8.)	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	8
8.)	209-40.41	CATCH BASIN FILTER ASSEMBLY(TYPE 1)	EACH	10
8.)	209-40.42	CATCH BASIN FILTER ASSEMBLY(TYPE 2)	EACH	10
8.)	209-40.44	CATCH BASIN FILTER ASSEMBLY(TYPE 4)	EACH	13
8.)	209-40.45	CATCH BASIN FILTER ASSEMBLY(TYPE 5)	EACH	8
8.)	209-40.46	CATCH BASIN FILTER ASSEMBLY(TYPE 6)	EACH	103
8.)	209-40.47	CATCH BASIN FILTER ASSEMBLY(TYPE 7)	EACH	48
8.)	209-40.48	CATCH BASIN FILTER ASSEMBLY(TYPE 8)	EACH	6
	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	101035
	303-01.01	GRANULAR BACKFILL (ROADWAY)	TON	1051
8.)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	419
	307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	21548
	307-02.02	ASPHALT CEMENT (PG70-22)(BPMB-HM) GRADING A-S	TON	594
	307-02.03	AGGREGATE (BPMB-HM) GRADING A-S MIX	TON	16665
	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	18551
	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	242
	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	960
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	140
	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER	TON	288
	411-02.10	ACS MIX(PG70-22) GRADING D	TON	11177
	415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	6920
	604-02.01	CLASS A CONCRETE (BOX BRIDGES)	C.Y.	261
	604-03.02	STEEL BAR REINFORCEMENT (BRIDGES)	LB.	44720
	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	15409
	607-05.02	24" CONCRETE PIPE CULVERT (CLASS III)	L.F.	4219
	607-06.02	30" CONCRETE PIPE CULVERT (CLASS III)	L.F.	291
	607-07.02	36" CONCRETE PIPE CULVERT (CLASS III)	L.F.	1031
	607-08.02	42" CONCRETE PIPE CULVERT (CLASS III)	L.F.	16
	607-16.01	23"X 14" HORIZONTAL OVAL CONCRETE PIPE CULVERT	L.F.	85

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	611-01.03	MANHOLES, > 8' - 12' DEPTH	EACH	17
	611-07.31	18IN ENDWALL (SIDE DRAIN)	EACH	1
	611-07.32	24IN ENDWALL (SIDE DRAIN)	EACH	2
	611-07.54	18IN ENDWALL (CROSS DRAIN) 3:1	EACH	13
	611-07.55	18IN ENDWALL (CROSS DRAIN) 4:1	EACH	2
	611-07.56	18IN ENDWALL (CROSS DRAIN) 6:1	EACH	1
	611-07.57	24IN ENDWALL (CROSS DRAIN) 3:1	EACH	1
	611-07.60	30IN ENDWALL (CROSS DRAIN) 3:1	EACH	3
	611-07.65	36IN ENDWALL (CROSS DRAIN) 6:1	EACH	1
	611-07.66	42IN ENDWALL (CROSS DRAIN) 3:1	EACH	1
	611-12.01	CATCH BASINS, TYPE 12, 0' - 4' DEPTH	EACH	44
	611-12.02	CATCH BASINS, TYPE 12, > 4' - 8' DEPTH	EACH	66
	611-12.03	CATCH BASINS, TYPE 12, > 8' - 12' DEPTH	EACH	14
	611-14.01	CATCH BASINS, TYPE 14, 0' - 4' DEPTH	EACH	16
	611-14.02	CATCH BASINS, TYPE 14, > 4' - 8' DEPTH	EACH	29
	611-14.03	CATCH BASINS, TYPE 14, > 8' - 12' DEPTH	EACH	8
	611-14.04	CATCH BASINS, TYPE 14, > 12' - 16' DEPTH	EACH	1
	611-39.01	CATCH BASINS, TYPE 39, 0' - 4' DEPTH	EACH	1
	611-39.02	CATCH BASINS, TYPE 39, > 4' - 8' DEPTH	EACH	3
	611-39.05	CATCH BASINS, TYPE 39, > 16' - 20' DEPTH	EACH	1
	611-40.01	CATCH BASINS, TYPE 40, 0' - 4' DEPTH	EACH	1
	611-40.02	CATCH BASINS, TYPE 40, > 4' - 8' DEPTH	EACH	1
	611-42.01	CATCH BASINS, TYPE 42, 0' - 4' DEPTH	EACH	8
	611-42.02	CATCH BASINS, TYPE 42, > 4' - 8' DEPTH	EACH	3
	611-43.01	CATCH BASINS, TYPE 43, 0' - 4' DEPTH	EACH	3
	611-43.02	CATCH BASINS, TYPE 43, > 4' - 8' DEPTH	EACH	1
8.)	621-03.05	36" TEMPORARY DRAINAGE PIPE	L.F.	130
	701-01.02	CONCRETE SIDEWALK (6 ")	S.F.	121998
	701-02.03	CONCRETE HANDICAP RAMP	S.F.	18142
	702-03	CONCRETE COMBINED CURB & GUTTER	C.Y.	1548
	705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	680
	705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	6
7.)	705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	5
8.)	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	948
	708-02.01	MARKERS (CONCRETE R.O.W. POSTS)	EACH	84
8.)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	200
	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	2066
	709-05.08	MACHINED RIP-RAP (CLASS B)	TON	910
4.)	710-02	AGGREGATE UNDERDRAINS (WITH PIPE)	L.F.	10373
	712-01	TRAFFIC CONTROL	LS	1
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	20694
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	400
	712-06	SIGNS (CONSTRUCTION)	S.F.	1232
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	3781
	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	259
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	207
10.)	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	3
6.)	716-01.21	SNWPLWBLE PVMT MRKRS (BI-DIR)(1 COLOR)	EACH	328
5.)	716-01.23	SNWPLWBLE PVMT MRKRS (BI-DIR)(2 COLOR)	EACH	335
	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	98
	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	680
	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	22
	716-02.08	PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.	39
	716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	920

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ESTIMATED ROADWAY QUANTITIES

SHEET 1 OF 2

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	2A

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

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	3
	716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	2
4.)				
	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	17.8
	717-01	MOBILIZATION	LS	1
8.)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	5556
9.)	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	2273
8.)	740-11.03	TEMPORARY SEDIMENT TUBE 18IN (DESCRIPTION)	L.F.	14968
	801-01	SEEDING (WITH MULCH)	UNIT	3067
2.)	801-02	SEEDING (WITHOUT MULCH)	UNIT	35
	801-03	WATER (SEEDING & SODDING)	M.G.	5560
	801-07	SEED (SUPPLEMENTAL APPLICATION)	LB.	690
	801-08	FERTILIZER (SUPPLEMENTAL APPLICATION)	TON	5
1.)	803-01	SODDING (NEW SOD)	S.Y.	49961
	805-01.02	TURF REINFORCEMENT MAT (CLASS II)	S.Y.	947
3.)	806-02.03	PROJECT MOWING	CYCL	6

FOOTNOTES

1.) INCLUDES 732 S.Y. FOR DITCHES.
2.) INCLUDES 188 THOUSAND GALLONS FOR EROSION PREVENTION AND SEDIMENT CONTROL.
3.) 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.
4.) ANY ADDITIONAL REMOVAL OF PAVEMENT MARKINGS WILL BE PAID FOR UNDER ITEM 712-01
5.) CLEAR/RED
6.) YELLOW
7.) 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.
8.) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT AND ALL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.
9.) QUANTITY TO BE USED WITH GRADED SOLID ROCK AT STA.270+00 TO STA.272+00.
10.) APPROXIMATELY 35 EXISTING SIGNS AND SUPPORTS WITHIN THE GRADING LIMITS OF THE PROJECT AND ANY OTHER CONFLICTING SIGNING OR AS DIRECTED BY THE ENGINEER.

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ESTIMATED ROADWAY QUANTITIES

SHEET 2 OF 2

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DESIGN DIVISION
FILE NO.

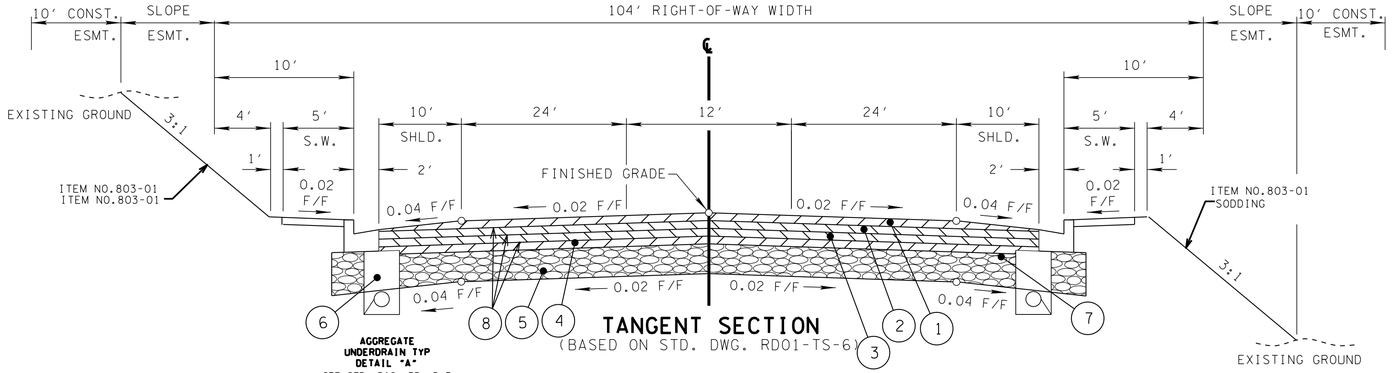
	TYPE	YEAR	PROJECT NO.	SHEET NO.
PHASE 1	R.O.W.	2010	STP-101(16)	2A
PHASE 2	R.O.W.	2011	STP-101(17)	2A
	CONST	2016	STP-101(17)	2C

REV. 04-10-13- REMOVED PHASE 1 STATIONING. ADDED RESURFACING TYPICAL.

REV. 05-26-15- UPDATED TYPICALS.

REV. 10-29-15- ADDED GUARDRAIL PLACEMENT DETAIL PER GEOTECH REQ.

REV. xx-xx-16- REVISED STATIONING.

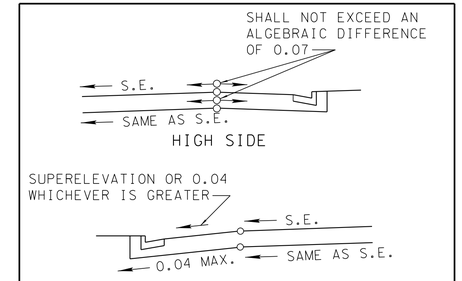


TANGENT SECTION

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

FROM STA. 215+00.00 TO STA. 232+47.64
FROM STA. 242+33.81 TO STA. 249+28.71
FROM STA. 255+43.45 TO STA. 266+90.19
FROM STA. 279+26.86 TO STA. 289+00.86

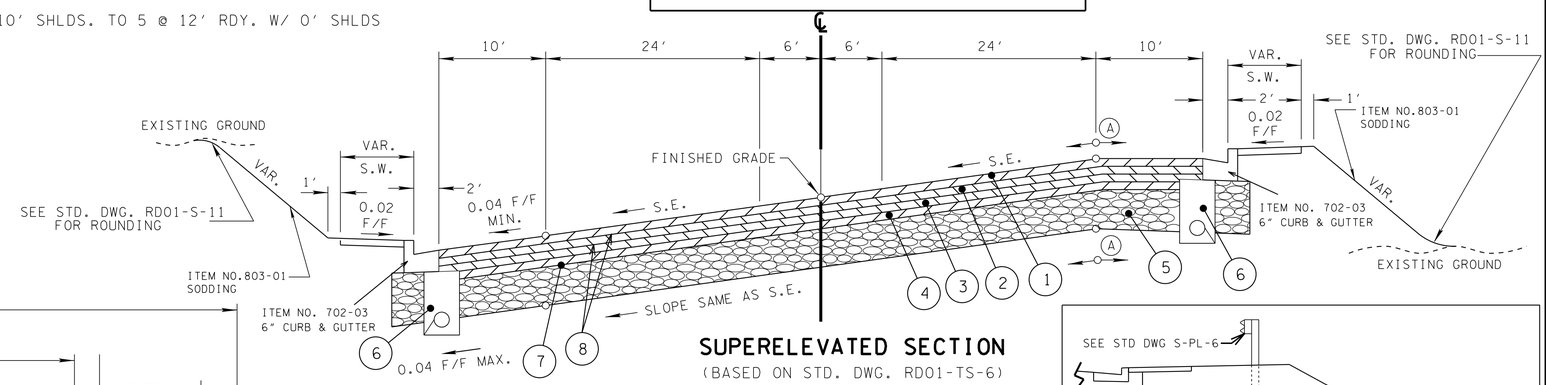
TRANSITION STA. 293+40 TO STA 296+60 - FROM 5 @ 12' RDY W. 10' SHLDS. TO 5 @ 12' RDY. W/ 0' SHLDS



SUPERELEVATION DETAIL FOR SHOULDERS

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

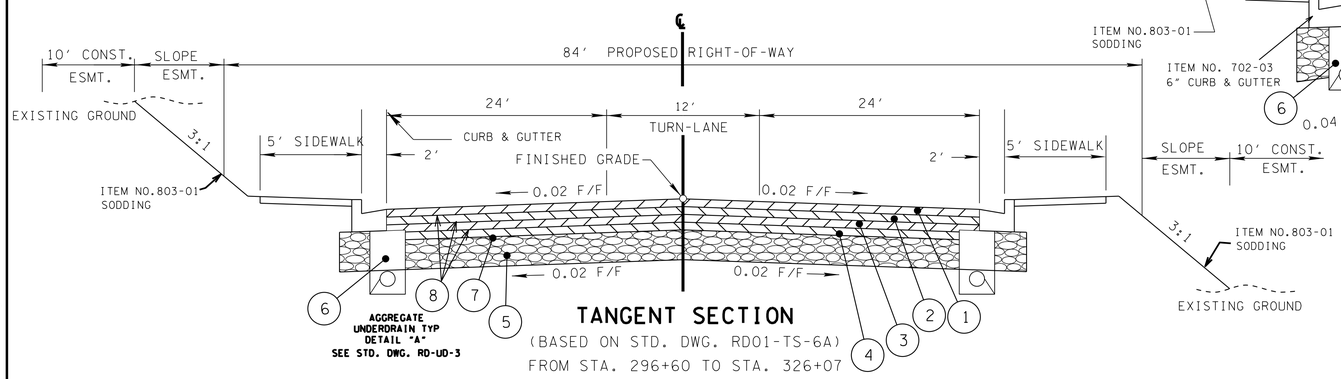
FROM STA. 232+47.64 TO STA. 242+33.81
FROM STA. 249+28.71 TO STA. 255+43.45
FROM STA. 266+90.19 TO STA. 279+26.86
FROM STA. 289+00.86 TO STA. 293+40



SUPERELEVATED SECTION

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

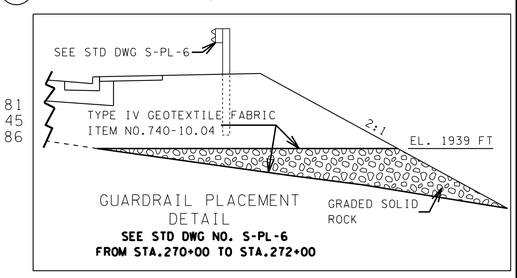
FROM STA. 232+47.64 TO STA. 242+33.81
FROM STA. 249+28.71 TO STA. 255+43.45
FROM STA. 266+90.19 TO STA. 279+26.86
FROM STA. 289+00.86 TO STA. 293+40



TANGENT SECTION

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

FROM STA. 296+60 TO STA. 326+07

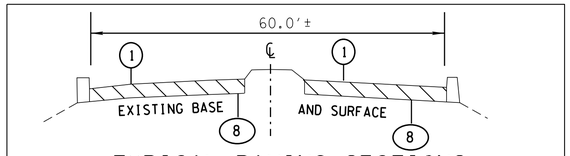


GUARDRAIL PLACEMENT DETAIL

SEE STD DWG NO. S-PL-6
FROM STA.270+00 TO STA.272+00

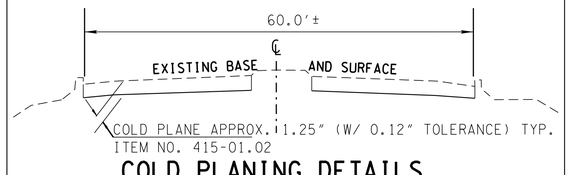
PROPOSED PAVEMENT SCHEDULE

(1) ASPHALTIC CONCRETE SURFACE GRADING "D" 1.25" THICK (APPROX. 132.5 LBS/ SQ YD) 411-02.10 ACS MIX(PG70-22) GRADING D	(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) @ 0.02 GAL/SY



TYPICAL PAVING SECTIONS

FROM STA. 326+07.00 TO STA. 336+45.00



COLD PLANING DETAILS

FROM STA. 326+07.00 TO STA. 336+45.00

(*) 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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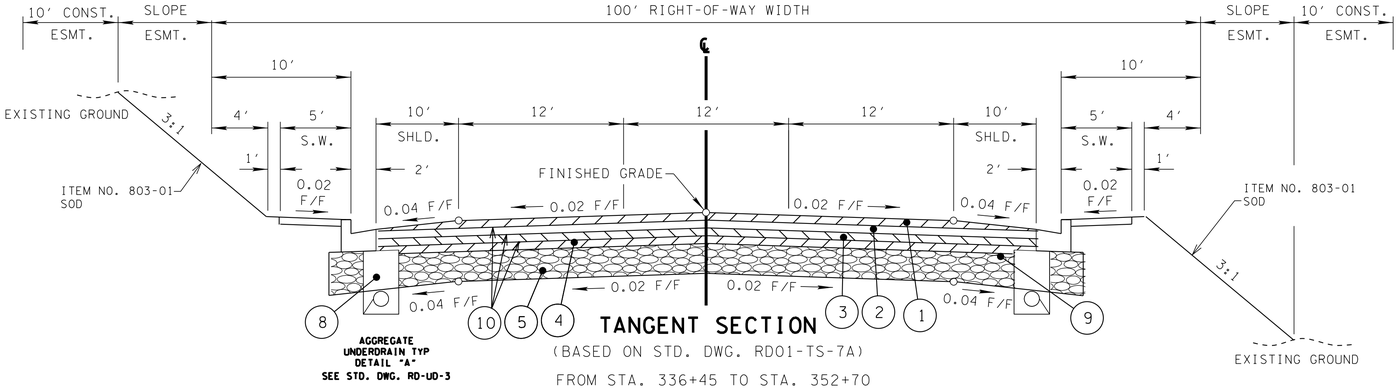
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

	TYPE	YEAR	PROJECT NO.	SHEET NO.
PHASE 1	R.O.W.	2010	STP-101(16)	2B
PHASE 2	R.O.W.	2011	STP-101(17)	2B
	CONST.	2016	STP-101(17)	2D

REV. 04-10-13- ADDED PAVEMENT SCHEDULE.
ADDED DETAIL OF CURB TAPER.

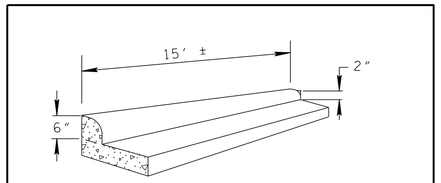
REV. 05-26-15- UPDATED TYPICALS.



TANGENT SECTION

(BASED ON STD. DWG. RD01-TS-7A)

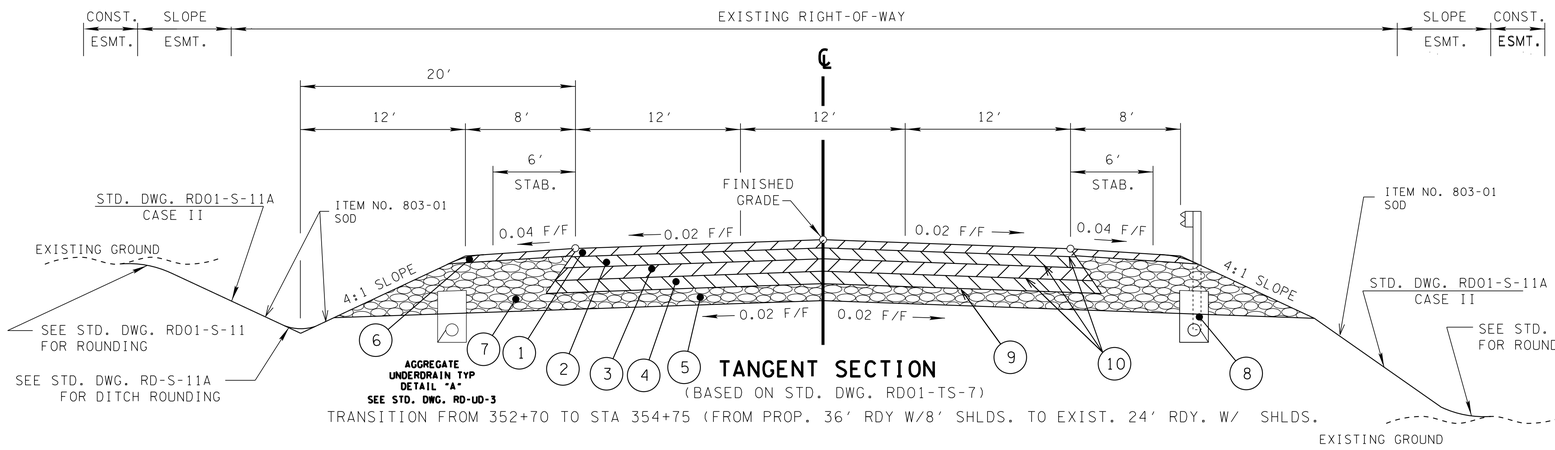
FROM STA. 336+45 TO STA. 352+70



DETAIL OF CURB TAPER

AT BEGIN AND END OF
PROPOSED CURB & GUTTER

NOT TO SCALE



TANGENT SECTION

(BASED ON STD. DWG. RD01-TS-7)

TRANSITION FROM 352+70 TO STA 354+75 (FROM PROP. 36' RDY W/8' SHLDS. TO EXIST. 24' RDY. W/ SHLDS.

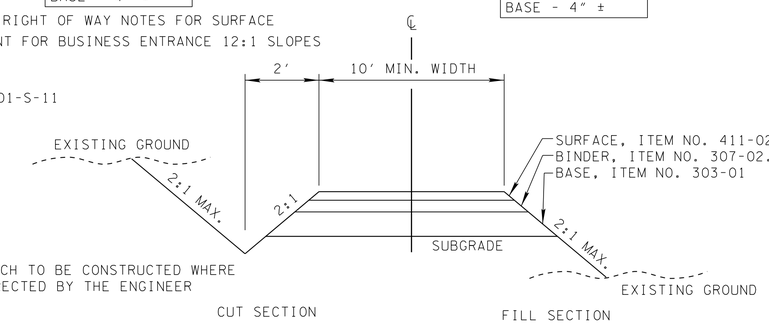
BUSINESS

SURFACE - 1¼" ±
BINDER - 1¾" ±
BASE - 4" ±

SEE RIGHT OF WAY NOTES FOR SURFACE TREATMENT FOR BUSINESS ENTRANCE 12:1 SLOPES

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) 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"	(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
(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) 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	(10) TACK COAT 403-01 BITUMINOUS MAT. FOR TACK COAT (TC) @ 0.02 GAL/SY
(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) MINERAL AGGREGATE BASE 17.75" THICK (APPROX. 1601.05 LBS/SQ YD 303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"	
(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) UNDERDRAINS 710-02 AGGREGATE UNDERDRAIN (WITH PIPE)	

(*) 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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STATE OF TENNESSEE
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TYPICAL SECTIONS

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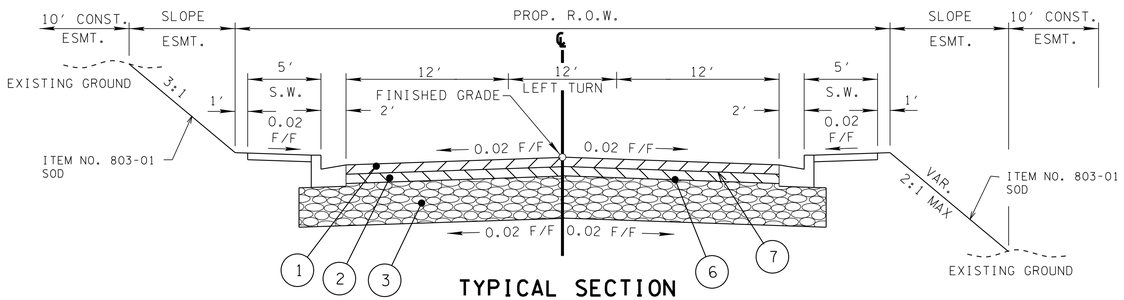
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

	TYPE	YEAR	PROJECT NO.	SHEET NO.
PHASE 1	R.O.W.	2010	STP-101(16)	2C
PHASE 2	R.O.W.	2011	STP-101(17)	2C
	CONST.	2016	STP-101(17)	2E

REV. 04-10-13- ADDED PROPOSED PAVEMENT SCHEDULE.
REMOVED PHASE 1 STATIONING.

REV. 05-26-15- UPDATED TYPICALS.

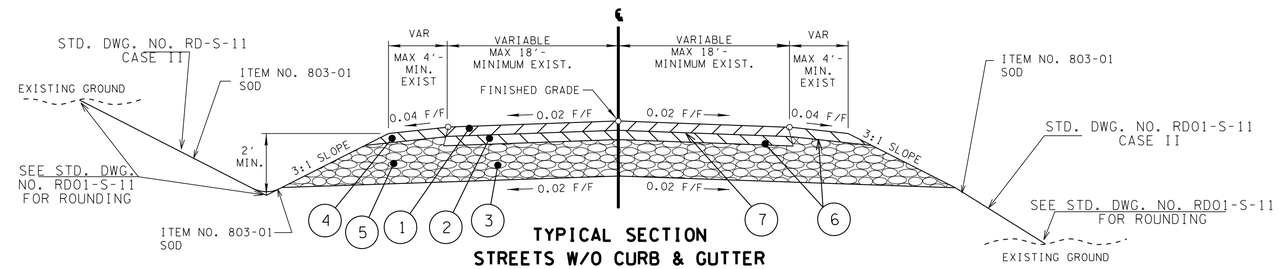


TYPICAL SECTION
STREETS WITH CURB & GUTTER

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

LAKEVIEW DR. (RT STA. 220+85.00) - STA 30+40 TO STA 32+00
WOODLANDS CIRCLE (LT STA. 228+17.41) - STA 28+95 TO STA 29+60
WOODLANDS CIRCLE (LT STA. 236+50.00) - STA 27+55 TO STA 29+60
WOODGATE DRIVE (LT STA. 241+37.64) - STA 29+07 TO STA 29+49.38
SCENIC DRIVE (LT STA. 245+98.39) - STA 29+00 TO STA 29+59.99
WESTMINISTER DRIVE (RT STA. 264+30.52) - STA 30+40 TO STA 32+40
TUTTLE LANE (LT STA. 271+03.04) - STA 28+55 TO STA 29+60

GILFORD TERRACE (RT STA. 309+10.00) - STA 30+54.07 TO STA 30+85
HOWARD TERRACE (RT STA . 313+57) - STA 30+72.60 TO STA 31+00
WAREHOUSE RD. (LT STA. 346+01.76) - STA 13+45 TO STA 16+50.85
SOUTHGATE LN. (LT. STA 18+54.88 OFF CROMWELL RD.) - STA. 12+00 TO STA 16+90.26
SOUTHGATE LN. (RT. STA 18+54.88 OFF CROMWELL RD.) - STA. 17+34.26 TO STA 17+85
SOUTHGATE LN. (RT. STA 31+75.43 OFF WESTCHESTER RD.) - STA. 22+50 TO STA 22+93.95



TYPICAL SECTION
STREETS W/O CURB & GUTTER

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

LAKEVIEW DR. (RT STA. 220+85.00) - STA 32+00 TO STA 33+35
WOODLANDS CIRCLE (LT STA. 228+17.41) - STA 28+35 TO STA 28+95
WOODLANDS CIRCLE (LT STA. 236+50.00) - STA 26+95 TO STA 27+55
WOODGATE DRIVE (LT STA. 241+37.64) - STA 26+00 TO STA 29+07
SCENIC DRIVE (LT STA. 245+98.39) - STA 28+40 TO STA 29+00
WESTMINISTER DRIVE (RT STA. 264+30.52) - STA 32+40 TO STA 36+00
TUTTLE LANE (LT STA. 271+03.04) - STA 7+60 TO STA 28+55

WILSHIRE HEIGHTS DR. (LT STA. 33+23.85 OFF DARTMORE DR.) - STA 9+00 TO STA 9+82

GILFORD TERRACE (RT STA. 309+10.00) - STA 30+85 TO STA 31+95
HOWARD TERRACE (RT STA . 313+57) - STA 31+00 TO STA 31+95
WAREHOUSE RD. (LT STA . 346+01.76) - STA 11+50 TO STA 13+45
CROMWELL LN. (RT STA . 346+01.76) - STA 20+00 TO STA 21+50
SOUTHGATE LN. (LT STA . 18+54.88 OFF CROMWELL LN) - STA 17+85 TO STA 22+50

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) 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
(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) MINERAL AGGREGATE BASE 11.75" THICK (APPROX. 1059.9 LBS/SQ YD 303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"
(3) MINERAL AGGREGATE BASE 10" THICK (APPROX. 902 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
	(7) TACK COAT 403-01 BITUMINOUS MAT. FOR TACK COAT (TC) @ 0.02 GAL/SY

(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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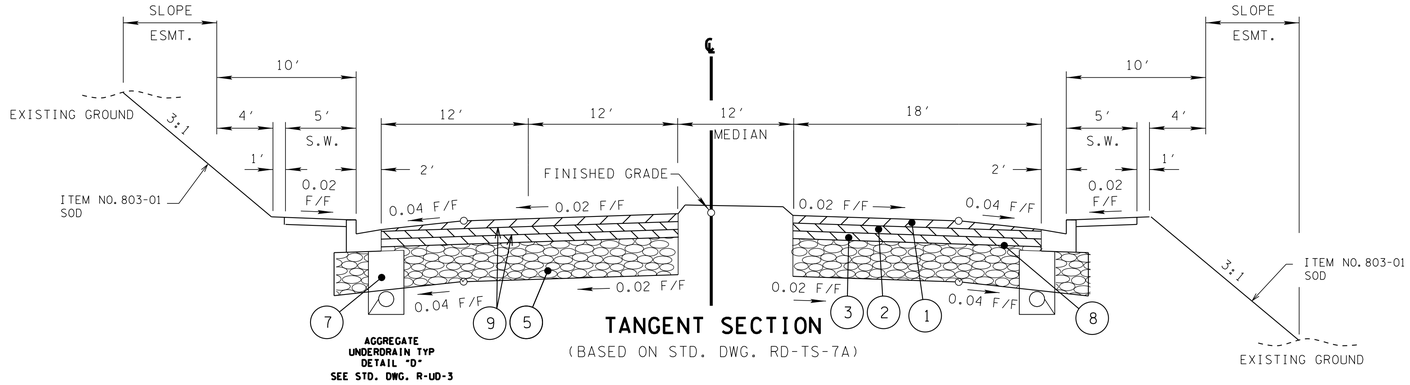
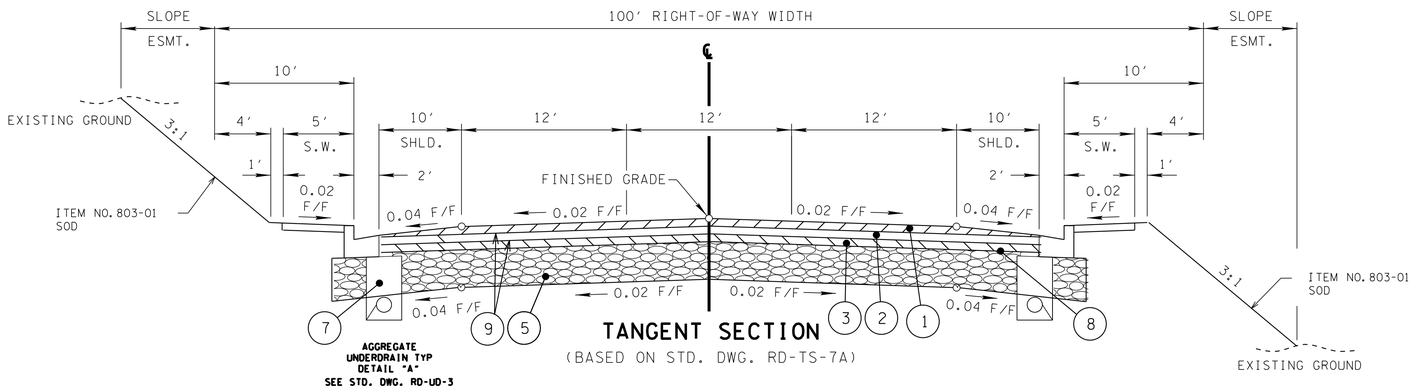
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	2D
CONST	2016	STP-101(17)	2F

REV. 04-10-13- ADDED SHEET.
REV. 05-26-15- UPDATED TYPICALS.



STONEHENGE FROM STA. 28+30.00 TO STA. 29+28.50 W/ CURB ONLY

STONEHENGE FROM STA. 29+28.50 TO STA. 29+64.00



EAGLE FROM STA. 30+25 TO STA. 30+68

EAGLE FROM STA. 30+68.00 TO STA. 32+25 W/ CURB ONLY

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 8" THICK (APPROX. 721.6 LBS/SQ YD 303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"	(8) 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	(7) UNDERDRAINS 710-02 AGGREGATE UNDERDRAIN (WITH PIPE)	(9) TACK COAT 403-01 BITUMINOUS MAT. FOR TACK COAT (TC) @ 0.02 GAL/SY
(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		

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

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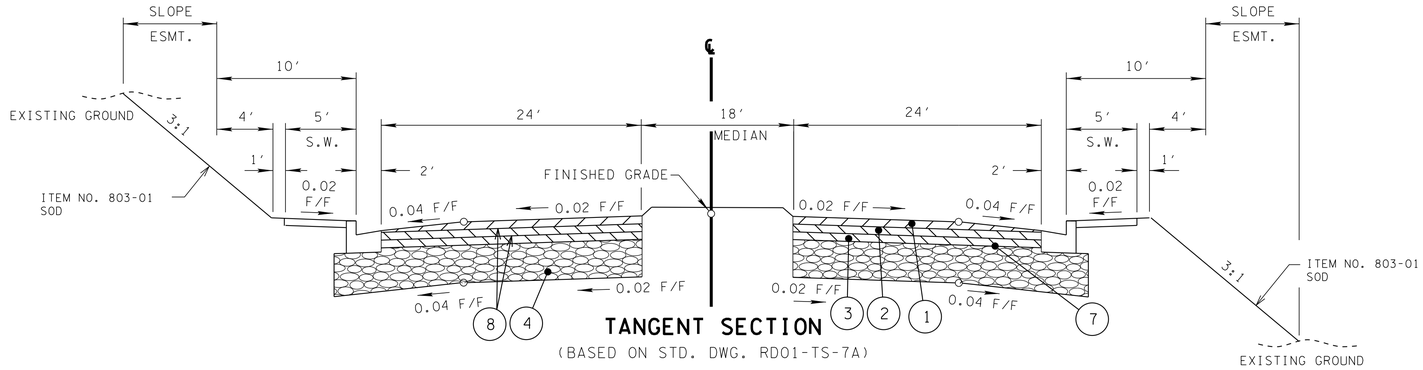
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

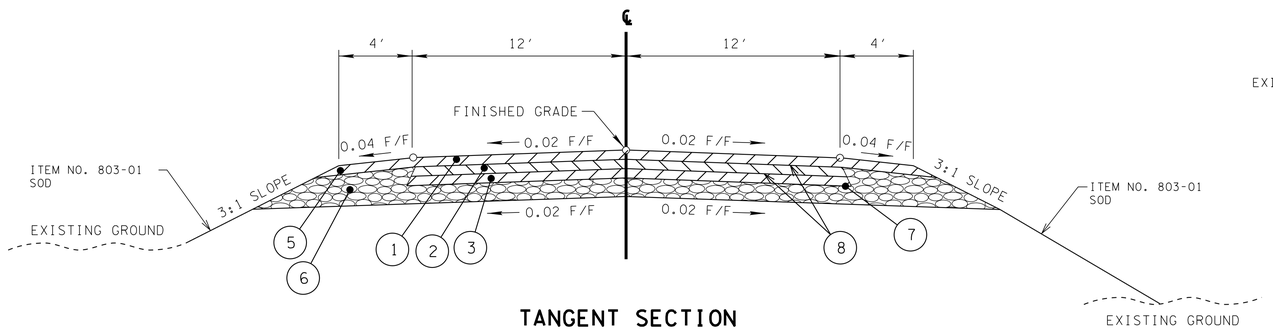
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(16)	2E
CONST	2016	STP-101(17)	2G

REV. 04-10-13- ADDED SHEET.
REV. 05-26-15- UPDATED TYPICALS.



TANGENT SECTION
(BASED ON STD. DWG. RD01-TS-7A)

CATOOSA RD FROM STA. 28+30.00 TO STA. 29+64.00

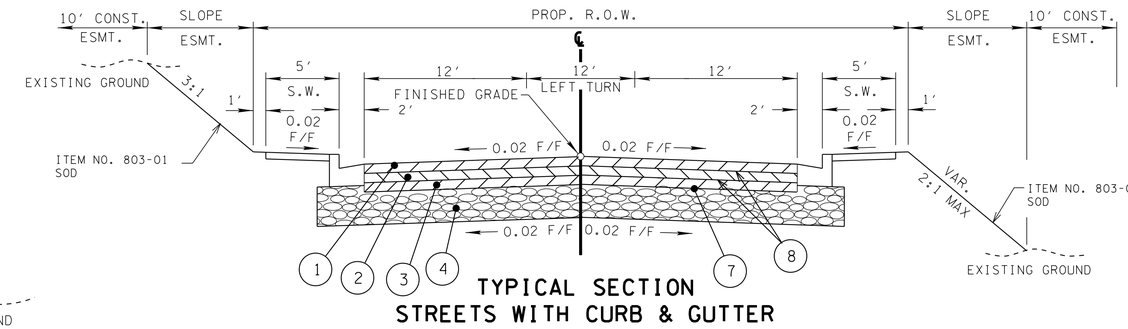


TANGENT SECTION
(BASED ON STD. DWG. RD01-TS-1)

DARTMORE DR. (LT STA. 303+80.70) - STA 32+00 TO STA 33+50

SNEAD RD. (RT STA. 303+80.70) - STA 40+80 TO STA 42+80

WESTCHESTER RD. (RT. STA 346+01.76) - STA. 34+00 TO STA 35+50



TYPICAL SECTION
STREETS WITH CURB & GUTTER
(BASED ON STD. DWG. RD01-TS-6A)

DARTMORE DR. (LT STA. 303+80.70) - STA 33+50 TO STA 37+53.43

SNEAD RD. (RT STA. 303+80.70) - STA 38+33.43 TO STA 40+80

WESTCHESTER RD. (RT. STA 346+01.76) - STA. 34+00 TO STA 35+50

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"	(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
(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	(8) TACK COAT 403-01 BITUMINOUS MAT. FOR TACK COAT (TC) @ 0.02 GAL/SY
(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	(6) MINERAL AGGREGATE BASE 10.75" THICK (APPROX. 969.65 LBS/SQ YD 303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"	

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	2J

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. 801-02.01 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.

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.

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 PAVE IN THE DIRECTION OF TRAFFIC.

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

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.

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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	2016	STP-101(17)	2K

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. 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.

(6) 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.

(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

(6) LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE.. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.

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

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

EROSION PREVENTION AND SEDIMENT CONTROL

DISTURBED AREA

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

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

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

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

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

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

SEDIMENT CONTROL

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

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

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

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

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

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

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

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

STREAM/WETLAND

(15) SOIL MATERIALS MUST BE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. EPSC MEASURES TO PROTECT WATER QUALITY MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. APPROPRIATE EPSC MEASURES MUST BE INSTALLED ALONG THE BASE OF ALL FILLS AND CUTS, ON THE DOWNHILL SIDE OF STOCKPILED SOIL, AND ALONG STREAM BANKS IN CLEARED AREAS TO PREVENT SEDIMENT MIGRATION INTO STREAMS IN ACCORDANCE WITH TDOT STANDARDS. THEY MUST BE INSTALLED ON THE CONTOUR, ENTRENCHED AND STAKED, AND EXTEND THE WIDTH OF THE AREA TO BE CLEARED.

(16) NEW CHANNEL CONSTRUCTION SHALL BE COMPLETED IN THE DRY AND STABILIZED FOR AT LEAST 72 HOURS PRIOR TO DIVERTING WATER FROM THE EXISTING AND/OR TEMPORARY CHANNEL.

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

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

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

(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.

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STATE OF TENNESSEE
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GENERAL NOTES AND SPECIAL NOTES

TENNESSEE D.O.T.
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	2L

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

GENERAL NOTES CONTINUED…

(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.

INSPECTION, MAINTENANCE, REPAIR

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

(24) 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.

(25) 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.

(26) 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.

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

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

(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 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.

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CONSTRUCTABILITY FIELD REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND SPECIAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	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 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 39 611-39.01 0' - 4'	TYPE 39 611-39.03 8' - 12'
17B	LAKEWOOD	50+78.00	21	CB-203	1873.89	#14	9.71						1			
17B	LAKEWOOD	50+78.00	-21	CB-202	1873.92	#14	9.08						1			
17B	SR101	219+84.25	44.5	CB-913	1873.02	#12	7.92		1							
16B	SR101	220+81.00	42	CB-208	1873.86	#12	3.86	1								
17B	SR101	218+12.00	42	CB-67	1870.46	#12	4.46		1							
16B	SR101	222+75.00	42	CB-277	1876.45	#12	3.85	1								
17B	SR101	218+12.00	-42	CB-66	1870.46	#12	4.13		1							
17B	SR101	224+10.00	42	CB-209	1878.25	#12	3.75	1								
17B	SR101	220+93.00	-42	CB-204	1874.02	#12	3.75	1								
17B	SR101	223+00.00	-42	CB-205	1876.78	#12	3.75	1								
17B	SR101	226+75.00	42	CB-210	1881.79	#12	7.64		1							
17B	SR101	230+00.00	42	CB-211	1884.51	#12	4.25		1							
17B	WOODLANDS CIR	39+00.00	21	CB-213	1883.27	#14	5.79					1				
17B	SR101	227+39.00	-42	CB-212	1882.64	#14	4.93					1				
17B	SR101	228+60.00	-42	CB-219	1883.93	#12	5.75		1							
17B	SR101	230+19.00	-42	CB-215	1884.55	#12	3.75	1								
17B	WOODLANDS CIR	39+00.00	-21	CB-218	1883.31	#14	4.47					1				
18B	SR101	232+76.00	-42	CB-220	1886.16	#12	3.75	1								
18B	SR101	235+90.00	42	CB-222	1889.32	#14	10.8						1			
18B	SR101	233+36.00	42	CB-221	1885.15	#14	3.76				1					
18B	SR101	235+90.00	-42	CB-229	1891	#12	6.48		1							
18B	SR101	236+11.00	42	CB-284	1889.92	#14	5.9					1				
18B	WOODLANDS CIR 2	29+21.00	21	CB-228	1893.17	#12	6.77		1							
18B	SR101	237+10.00	-42	CB-233	1895	#12	8.44			1						
18B	SR101	237+00.00	42	CB-280	1892.93	#12	7.47		1							
18B	WOODLANDS CIR 2	29+20.00	-21	CB-231	1894.61	#14	4.83					1				
18B	SR101	238+70.00	-42	CB-234	1902.07	#12	7.26		1							
18B	SR101	238+06.00	42	CB-223	1897.44	#12	6.53		1							
18B	SR101	239+00.00	42	CB-281	1901.77	#12	5.76		1							
18B	SR101	240+70.00	-42	CB-237	1911.27	#12	7.77		1							
18B	SR101	242+00.00	-42	CB-241	1916.81	#12	9.76			1						
18B	WOODGATE DRIVE	28+98.00	21	CB-236	1914.89	#12	6.75		1							
18B	SR101	240+00.00	42	CB-224	1906.37	#12	5.5		1							
18B	WOODGATE DRIVE	28+94.73	-52.38	CB-240	1919.14	#39	8.14									1
18B	SR101	244+00.00	-42	CB-239	1925.01	#12	6.88		1							
18B	SR101	241+00.00	42	CB-282	1910.97	#12	5.5		1							
18B	WOODGATE DRIVE	28+94.00	-21	CB-246	1916.77	#12	4.87		1							
19B	SR101	245+37.00	-42	CB-245	1931.33	#12	7.91		1							
18B	SR101	242+07.00	42	CB-225	1916.13	#12	5.87		1							
18B	WOODGATE DRIVE	28+34.40	-25.59	CB-238	1915.79	#39	3.38								1	
19B	SCENIC DRIVE	29+10.00	21	CB-244	1934.17	#12	6.92		1							
19B	SR101	246+61.00	-42	CB-249	1936.73	#12	8.32			1						
18B	SR101	244+00.00	42	CB-283	1925.01	#12	5.04		1							
19B	SR101	245+10.00	42	CB-226	1930.07	#12	4.53		1							
19B	SCENIC DRIVE	29+06.00	-21	CB-248	1935.18	#14	5.78					1				
19B	SR101	248+47.00	42	CB-252	1943.23	#12	4.75		1							
19B	SR101	248+52.00	-42	CB-250	1943.38	#12	4.47		1							
19B	SR101	250+82.00	-42	CB-251	1948.62	#12	4.25		1							
20B	SR101	259+40.00	42	CB-260	1946.59	#14	12.81							1		
20B	SR101	259+40.00	-42	CB-255	1946.59	#14	4.66					1				
19B	SR101	257+54.00	42	CB-259	1947.97	#12	4.57		1							
20B	SR101	261+61.00	42	CB-261	1949.32	#12	5.74		1							
20B	SR101	261+68.00	-42	CB-256	1949.48	#12	5.95		1							
20B	SR101	259+06.00	-42	CB-285	1946.65	#12	4.58		1							
20B	SR101	258+20.00	-42	CB-254	1947.32	#12	4.01		1							
19B	SR101	255+70.00	-42	CB-262	1949.79	#12	3.75	1								
20B	WESTMINISTR	30+97.00	21	CB-264	1951.63	#14	4.81					1				
20B	WESTMINISTR	30+97.00	-21	CB-265	1951.63	#14	3.76				1					
20B	SR101	269+50.00	42	CB-286	1943.97	#12	9.14			1						
20B	SR101	268+75.00	42	CB-274	1946.07	#12	5.52		1							
21B	SR101	270+51.00	42	CB-275	1943.43	#14	4.97					1				
20B	SR101	267+21.00	42	CB-273	1949.88	#12	3.75	1								
21B	SR101	270+60.00	-43.5	CB-270	1948.4	#14	7.14					1				
21B	SR101	271+27.20	42	CB-292	1943.78	#12	3.75	1								
20B	SR101	269+20.00	-42	CB-269	1949.04	#12	4.05		1							
21B	SR101	271+65.00	-42	CB-290	1949.2	#14	3.76				1					
21B	SR101	273+03.42	42	CB-293	1947.1	#12	3.75	1								
20B	SR101	266+87.00	-42	CB-268	1950.53	#12	4.38		1							
20B	SR101	273+50.00	-42	CB-291	1953.41	#12	3.75	1								
20B	SR101	275+04.92	-42	CB-295	1957.13	#12	3.75	1								
TOTALS								**13**	**34**	**4**	**3**	**10**	**3**	**1**	**1**	**1**

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CONSTRUCTABILITY FIELD REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	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 14 611-14.01 0' - 4'	TYPE 14 611-14.02 4' - 8'	TYPE 14 611-14.03 8' - 12'	TYPE 39 611-39.02 4' - 8'
21B	SR101	274+43.83	41	CB-294	1950.87	#12	3.75	1						
21B	SR101	276+59.70	41	CB-296	1954.3	#12	3.75	1						
21B	SR101	279+06.00	41	CB-297	1958.78	#12	3.97	1						
21B	SR101	281+50.00	41	CB-298	1962.9	#12	3.75	1						
22B	SR101	284+00.00	41	CB-299	1967.24	#12	3.75	1						
22B	SR101	286+50.00	41	CB-300	1971.29	#12	3.75	1						
21B	SR101	278+36.00	-41	CB-301	1958.91	#14	3.92				1			
21B	SR101	278+47.00	-40	CB-302	1959	#14	4					1		
21B	SR101	279+06.00	-41	CB-304	1959.01	#12	3.8	1						
21B	SR101	281+35.00	-41	CB-303	1962.64	#12	3.75	1						
22B	SR101	284+45.00	-41	CB-305	1968.03	#12	11.81			1				
22B	SR101	286+55.00	-41	CB-306	1971.35	#12	5.17		1					
22B	SR101	289+00.10	-41	CB-307	1972.33	#14	3.76				1			
23B	SR101	301+50.00	31	CB-319	1960.88	#14	6.44					1		
23B	SR101	299+31.00	31	CB-315	1963.96	#12	7.37		1					
23B	SR101	301+75.00	31	CB-316	1960.84	#14	3.76				1			
23B	SR101	297+85.00	31	CB-314	1966.48	#14	7.79					1		
23B	SR101	297+20.00	31	CB-365	1967.21	#14	8.29						1	
23B	SR101	296+42.00	31	CB-313	1968.18	#12	8.98			1				
22B	SR101	294+48.00	37	CB-312	1968.33	#12	4.96		1					
22B	SR101	293+51.00	41	CB-311	1968.49	#12	4.76		1					
22B	SR101	292+31.20	41	CB-309	1969.24	#12	5.05		1					
22B	SR101	290+30.51	41	CB-308	1971.53	#12	3.75	1						
23B	DARTMORE DRIVE	36+16.00	13	CB-348	1951.47	#14	8.94						1	
23B	DARTMORE DRIVE	36+92.00	15	CB-278	1952.2	#12	5.87		1					
23B	DARTMORE DRIVE	38+75.00	21	CB-329	1958.41	#14	8.35						1	
23B	DARTMORE DRIVE	36+00.40	-30.78	CB-347	1950.42	#14	6.68					1		
23B	DARTMORE DRIVE	39+47.00	31.81	CB-328	1958.95	#14	6.48					1		
23B	SR101	301+77.00	-31	CB-320	1958.56	#14	3.96				1			
23B	DARTMORE DRIVE	39+50.00	-26.55	CB-331	1959.64	#12	6.29		1					
23B	SR101	301+00.00	-31	CB-321	1958.88	#12	3.66	1						
23B	SR101	304+36.00	-33	CB-332	1963.29	#12	6.12		1					
23B	DARTMORE DRIVE	38+75.00	-19	CB-330	1958.54	#12	3.79	1						
23B	SR101	300+09.00	-31	CB-322	1960.11	#12	3.66	1						
23B	SR101	304+97.00	-31	CB-333	1964.82	#12	5.64		1					
23B	SR101	299+10.00	-31	CB-323	1962.84	#12	3.67	1						
23B	SR101	306+61.00	-31	CB-334	1970.35	#12	8.28			1				
23B	SR101	297+60.00	-31	CB-324	1966.55	#12	3.8	1						
23B	SR101	308+00.00	-31	CB-335	1975.05	#12	7.68		1					
23B	SR101	306+63.06	-41.21	CB-343	1970.32	#39	4.16							1
22B	SR101	295+50.00	-34	CB-325	1969.72	#12	3.75	1						
24B	SR101	310+20.00	-31	CB-336	1982.48	#12	8.02			1				
23B	SR101	308+02.00	-41.79	CB-344	1974.4	#39	4.16							1
22B	SR101	292+85.00	-41	CB-326	1972.44	#12	3.75	1						
24B	SR101	311+85.00	-31	CB-337	1988.95	#12	7.91		1					
24B	SR101	313+92.00	-31	CB-338	1998.78	#12	9.98			1				
24B	SR101	311+82.92	-42.94	CB-345	1988.41	#39	4.46							1
24B	SR101	315+34.54	-31	CB-339	2005.59	#12	8.15			1				
24B	SR101	316+86.00	-31	CB-340	2012.42	#12	8.45			1				
24B	SR101	318+08.00	-31	CB-341	2016.55	#12	3.75	1						
24B	SR101	319+50.00	-32	CB-342	2019.66	#12	3.75	1						
23B	SR101	303+38.00	53	CB-350	1961.41	#14	4.26					1		
23B	SR101	303+84.71	31	CB-351	1962.92	#12	5.3		1					
23B	SR101	305+33.00	31	CB-352	1966.27	#12	6.15		1					
23B	SR101	307+67.00	31	CB-353	1973.93	#12	5.23		1					
23B	SR101	308+71.00	34	CB-354	1977.84	#12	7.16		1					
24B	SR101	309+50.00	34	CB-355	1980.47	#12	6.11		1					
24B	SR101	312+72.00	31	CB-357	1993.05	#12	6.24		1					
24B	SR101	313+31.00	43.96	CB-358	1995.82	#14	5.92					1		
24B	SR101	314+29.00	31	CB-359	2000.55	#12	8.72			1				
24B	SR101	315+81.00	31	CB-360	2007.81	#12	5.54		1					
24B	SR101	319+12.00	31	CB-362	2019.02	#12	4.63		1					
TOTALS								**18**	**19**	**8**	**4**	**7**	**3**	**3**

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CONSTRUCTABILITY FIELD REVIEW

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.
CONST	2016	STP-101(17)	2R

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 14 611-14.01 0' - 4'	TYPE 14 611-14.02 4' - 8'	TYPE 14 611-14.03 8' - 12'
24B	SR101	319+97.00	29	CB-363	2020.35	#12	4.83		1				
25B	SR101	324+35.00	-37	CB-606	2019.52	#14	8.57						1
25B	STONEHENGE DRIVE	29+34.00	-27	CB-611	2019.02	#12	7.91		1				
25B	SR101	324+35.00	26	CB-612	2019.77	#12	4.63		1				
25B	SR101	325+00.00	-37	CB-616	2017.72	#12	8.16			1			
25B	STONEHENGE DRIVE	29+34.00	31	CB-609	2018.97	#12	4.16		1				
25B	STONEHENGE DRIVE	28+33.00	-27	CB-610	2015.51	#14	4.02					1	
25B	EAGLELANE	30+50.00	-19	CB-605	2021.98	#14	5.77					1	
25B	SR101	324+74.10	26	CB-607	2018.76	#14	5.62					1	
25B	SR101	326+03.00	-37	CB-613	2013.63	#14	3.76				1		
25B	SR101	323+18.00	-37	CB-601	2021.35	#14	4.71					1	
25B	STONEHENGE DRIVE	28+33.00	31	CB-608	2015.48	#14	3.76				1		
25B	EAGLE LANE	30+50.00	19	CB-604	2021.98	#14	4.49					1	
25B	SR101	325+35.00	26	CB-615	2016.69	#12	5.35		1				
24B	SR101	321+70.00	-37	CB-600	2021.54	#12	3.75	1					
25B	SR101	323+25.00	25	CB-603	2021.64	#14	3.95					1	
25B	SR101	325+95.00	26	CB-614	2014.29	#14	4					1	
25B	SR101	322+01.00	25	CB-602	2021.92	#14	3.76				1		
26B	SR101	336+51.00	-32	CB-710	2018.68	#14	3.76				1		
26B	SR101	337+19.00	-32	CB-713	2021.71	#12	6.5		1				
26B	SR101	339+34.00	-30	CB-711	2029.45	#12	6.84		1				
26B	SR101	341+55.00	-29	CB-712	2036.96	#12	3.75	1					
26B	SR101	343+68.00	-29	CB-714	2043.92	#12	8.98			1			
26B	SR101	345+35.00	-29	CB-715	2045.22	#12	3.75	1					
26B	SR101	336+63.00	32	CB-700	2019.25	#14	3.76				1		
26B	SR101	337+84.00	30	CB-701	2024.42	#12	5.49		1				
26B	SR101	338+86.00	31	CB-702	2027.78	#12	5.91		1				
26B	SR101	341+24.00	29	CB-703	2035.9	#12	3.75	1					
26B	SR101	342+79.00	29	CB-705	2041.2	#12	3.75	1					
26B	SR101	344+06.00	29	CB-706	2044.68	#12	5.47		1				
26B	SR101	345+36.00	29	CB-708	2045.37	#14	5.41					1	
26B	SR101	345+77.00	55	CB-709	2044.33	#14	3.76				1		
27B	SR101	352+50.00	31	CB-728	2026.43	#14	8.76						1
27B	SR101	351+36.00	29	CB-722	2027.25	#14	3.84				1		
27B	SR101	352+40.00	-45	CB-717	2027.2	#14	6.43					1	
27B	SR101	350+98.00	29	CB-723	2027.33	#12	3.75	1					
27B	SR101	351+96.00	-37	CB-734	2027	#14	5.52					1	
27B	CATOOSA RD	28+30.00	-32.5	CB-733	2030.16	#12	3.76	1					
27B	SR101	349+54.00	29	CB-724	2030.08	#12	3.75	1					
27B	SR101	351+58.00	-42	CB-729	2027.85	#14	6.19					1	
27B	CATOOSA RD	28+24.00	13	CB-731	2031.35	#12	4.52		1				
27B	CATOOSA RD	28+19.00	-11.5	CB-732	2030.98	#12	4.17		1				
27B	SR101	348+05.00	29	CB-725	2036.3	#12	3.75	1					
27B	SR101	351+31.00	-29	CB-718	2027.28	#14	4.9					1	
27B	CATOOSA RD	28+22.00	32	CB-730	2031.65	#12	4.42		1				
26B	SR101	346+72.00	29	CB-726	2042.38	#12	3.75	1					
27B	SR101	349+49.60	-29	CB-719	2030.22	#12	3.75	1					
26B	SR101	346+34.00	43	CB-727	2044.05	#14	3.76				1		
27B	SR101	348+04.00	-29	CB-720	2036.36	#12	3.75	1					
26B	SR101	346+70.00	-29	CB-716	2042.45	#12	3.75	1					
26B	SR101	346+34.00	-46	CB-721	2043.85	#14	3.75				1		
TOTALS								13	13	2	9	12	2

MANHOLES

SHEET NO.	LOCATION	STATION	OFFSET (ft)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSIONS	DEPTH (ft)	STANDARD DRAWING	PAY ITEMS TYPE 3 611-01.03 4' - 8'	TYPE 3 611-01.04 8' - 12'
19B	SR-101	245+58.43	-42.23	MH-8	1932.28	MH#3	7x7	5.7	D-MH-3	1	
18B	SR-101	243+01.46	-43.4	MH-9	1921.07	MH#3	7x7	7.12	D-MH-3	1	
18B	SR-101	241+08.91	-41.05	MH-10	1913.72	MH#3	7x7	7.97	D-MH-3	1	
18B	SR-101	239+81.67	-43.14	MH-11	1907.63	MH#3	7x7	8.97	D-MH-3		1
20B	SR-101	269+49.95	64.49	MH-12	1939.00	MH#3	7x7	12.48	D-MH-3		1
23B	SR-101	299+53.92	-35.2	MH-1	1961.79	MH#3	7x7	6.79	D-MH-3	1	
23B	SR-101	303+63.95	-34.46	MH-14	1961.12	MH#3	7x7	5.52	D-MH-3	1	
23B	SR-101	302+40.20	-34.26	MH-13	1959.24	MH#3	7x7	5.04	D-MH-3	1	
23B	SR-101	302+62.86	-121.74	MH-15	1958.01	MH#3	7x7	6.92	D-MH-3	1	
23B	SR-101	302+66.03	-206.51	MH-17	1954.79	MH#3	7x7	6.81	D-MH-3	1	
23B	SR-101	302+65.67	-266.82	MH-16	1952.56	MH#3	7x7	5.61	D-MH-3	1	
23B	SR-101	306+07.37	34.03	MH-23	1968.99	MH#3	7x7	5.93	D-MH-3	1	
23B	SR-101	306+98.18	33.86	MH-22	1972.05	MH#3	7x7	6.84	D-MH-3	1	
24B	SR-101	310+56.09	34.18	MH-21	1984.18	MH#3	7x7	5.96	D-MH-3	1	
24B	SR-101	311+84.10	34.1	MH-20	1989.35	MH#3	7x7	7.36	D-MH-3	1	
24B	SR-101	315+13.05	33.88	MH-19	2005.01	MH#3	7x7	7.14	D-MH-3	1	
24B	SR-101	317+75.02	34.12	MH-18	2016.01	MH#3	7x7	4.61	D-MH-3	1	
25B	SR-101	324+34.46	-59.3	MH-25	2015.73	MH#3	7x7	4.71	D-MH-3	1	
25B	SR-101	323+23.05	-60.26	MH-24	2020.66	MH#3	7x7	5.35	D-MH-3	1	
TOTALS										17	2

DROP INLETS

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	DEPTH (FT.)	PAY ITEMS TYPE 40 611-40.01 0' - 4'	TYPE 40 611-40.02 4' - 8'	TYPE 42 611-42.01 0' - 4'	TYPE 42 611-42.02 4' - 8'	TYPE 43 611-43.01 0' - 4'	TYPE 43 611-43.02 4' - 8'
17B	WOODLANDS CIR	39+35.05	-46.53	CB-217	1882.8	#42	4.51				1		
18B	WOODLANDS CIR 2	28+92.00	27	CB-227	1892.99	#42	2.84			1			
18B	WOODLANDS CIR 2	28+88.00	-27	CB-230	1893.82	#42	3.46			1			
18B	WOODGATE DRIVE	28+65.00	28.62	CB-235	1913.56	#42	2.84			1			
19B	SCENIC DRIVE	28+87.68	27.98	CB-243	1932.48	#43	3.63					1	
19B	SCENIC DRIVE	29+06.19	-41	CB-247	1934.07	#42	4.87				1		
20B	SR101	269+30.00	-51.63	CB-271	1949.41	#42	3.75			1			
23B	SR101	299+32.88	46.4	CB-318	1963.23	#43	3.83					1	
22B	SR101	292+31.00	52.73	CB-310	1968.67	#43	3.76					1	
23B	DARTMORE DRIVE	36+11.79	-28.87	CB-289	1949	#43	5.32						1
23B	DARTMORE DRIVE	39+26.25	93.39	CB-327	1954.27	#42	2.88			1			
23B	DARTMORE DRIVE	35+50.50	-22.72	CB-349	1949.27	#42	5.25				1		
24B	SR101	309+52.00	44.16	CB-356	1980.34	#42	3.67			1			
24B	SR101	315+81.00	45	CB-361	2006.69	#42	3.67			1			
24B	SR101	319+97.00	41.5	CB-364	2019.85	#42	3.75			1			
26B	SR101	341+24.00	38.5	CB-704	2035.59	#40	3.09	1					
26B	SR101	345+04.00	38	CB-707	2045.8	#40	6.22		1				
TOTALS								1	1	8	3	3	1

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CONSTRUCTABILITY FIELD REVIEW

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.
33+28.40	WESTMINISTER	10	10	110	90°	239.2	179.3	33220	81.6	11500	STD-15-39	1051	36
TOTALS							179.3	33220	81.6	11500		1051	36

* 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.

CROSS DRAIN ENDWALLS

LOCATION	CROSS DRAIN STATION	OFFSET (FT.)	STRUCTURE TYPE	STANDARD DRAWING	SKEW	30 IN. ENDWALL 3:1 611-07.60 (EA.)
SNEAD	42+90.34	34.26	U	D-PE-30A,D-PE-30B	90	1
SNEAD	42+90.34	-34.78	U	D-PE-30A,D-PE-30B	90	1
TOTALS						2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	2S

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.)	607-07.02 36" (L.F.)
28A	CB-203	1864.18	EW-201	1861.95	1.09		205.06	
17C,28A	CB-202	1864.84	CB-203	1864.68	0.4	40.92		
17C	CB-913	1865.1	CB-203	1864.96	0.4		35.82	
16C-17C,28A	CB-67	1866.00	CB-913	1865.15	0.5		169.47	
17C,28A	EW-207	1865.53	CB-202	1864.84	3	22.97		
17C,28A	CB-208	1870	CB-202	1869.15	2	42.36		
16C	CB-66	1866.33	CB-67	1866.01	0.4		80.59	
17C	CB-277	1872.6	CB-208	1870.1	1.32	189.86		
17C	CB-204	1870.27	CB-66	1866.83	1.24	277.67		
17C	CB-209	1874.5	CB-277	1872.6	1.45	131		
17C	CB-205	1873.03	CB-204	1870.27	1.36	203		
17C	CB-210	1874.14	EW-212	1872.47	5		33.5	
17C	CB-211	1880.26	CB-210	1877.5	0.86		321	
17C,28A	CB-213	1877.48	EW-214	1877.43	0.4		13.43	
17C,28A	CB-212	1877.72	CB-213	1877.48	0.4		58.71	
17C,28A	CB-219	1878.18	CB-212	1877.72	0.4		115	
17C,28A	CB-217	1878.29	CB-219	1878.18	0.4		28.86	
17C	CB-215	1880.8	CB-219	1880.18	0.4	155		
17C,28A	CB-218	1879.05	CB-217	1878.29	2.08		36.37	
17C-18C	CB-220	1882.41	CB-215	1880.8	0.64	253.28		
18C	CB-222	1878.52	EW-250	1878.32	0.5			39.83
18C	CB-221	1881.39	CB-222	1880.17	0.5	243.44		
18C	CB-229	1884.52	CB-222	1883.9	0.8			78.59
18C	CB-284	1884.02	CB-222	1883.9	1			12.3
28B	CB-228	1886.4	CB-229	1885.41	2			49.21
18C	CB-233	1886.55	CB-229	1885.41	1			114.18
18C	CB-280	1885.46	CB-284	1884.26	1.5			80.12
28B	CB-227	1890.15	CB-228	1889.37	3.12	25.01		
28B	CB-231	1889.79	CB-228	1889.38	1	40.94		
18C	CB-234	1894.81	CB-233	1889.4	3.5			154.57
TOTALS						1625	1098	529

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.)
28B	CB-264	1946.83	EW-266	1945.53	10	12.96	
28B	CB-265	1947.87	CB-264	1947.71	0.4	40.92	
20C	MH-12	1926.52	EW-276	1925.92	2		29.74
20C	CB-286	1934.83	MH-12	1934.39	2.5		17.53
20C	CB-274	1940.54	CB-286	1940.2	0.5	68.56	
20C-21C	CB-275	1938.46	CB-286	1938	0.5		91.28
20C	CB-273	1946.13	CB-274	1940.54	3.79	147.55	
21C	CB-270	1941.26	CB-275	1939.58	2	83.96	
21C	CB-292	1940.03	CB-275	1938.96	1.59	67.4	
21C	CB-269	1944.99	CB-270	1941.26	2.68	138.98	
21C,28C	EW-272	1946.82	CB-270	1944.6	3.34	66.48	
21C	CB-290	1945.44	CB-270	1941.26	4.11	101.63	
21C	CB-293	1943.35	CB-292	1940.03	2.01	165.62	
20C	CB-268	1946.15	CB-269	1944.99	0.5	232.76	
20C	CB-271	1945.66	CB-269	1944.99	6	11.14	
21C,28C	EW-286	1947.06	CB-290	1945.44	2.11	76.6	
21C	CB-291	1949.66	CB-290	1945.44	2.27	185.59	
21C	CB-295	1953.38	CB-291	1949.66	2.37	156.48	
21C	EW-287	1950.56	CB-291	1949.66	10	9.02	
21C	CB-294	1947.12	EW-288	1947.08	0.4	8.87	
21C	CB-296	1950.55	CB-294	1947.12	1.69	203.68	
21C	CB-297	1954.81	CB-296	1950.55	1.81	235.49	
21C	CB-298	1959.15	CB-297	1954.81	1.82	238.47	
22C	CB-299	1963.49	CB-298	1959.15	1.77	246	
22C	CB-300	1967.54	CB-299	1963.49	1.65	246	
21C	CB-301	1954.99	EW-289	1954.93	0.4	13.88	
21C	CB-302	1955	CB-301	1954.99	0.4	3.29	
21C	CB-304	1955.21	CB-302	1955	0.4	53.44	
21C	CB-303	1958.89	CB-304	1955.21	1.63	225.03	
22C	CB-305	1956.22	EW-290	1955.43	2	39.38	
22C	CB-306	1966.18	CB-305	1956.22	4.83	206	
22C	CB-307	1968.57	CB-306	1966.18	1	239.1	
23C	CB-319	1954.44	EW-291	1954	2	22.17	
23C	CB-315	1956.59	CB-319	1954.44	1	215.01	
23C	CB-316	1957.08	CB-319	1956.73	2	17.42	
23C	CB-314	1958.69	CB-315	1956.59	1.5	139.85	
23C	CB-318	1959.4	CB-315	1959.34	0.5	11.43	
23C	CB-365	1958.92	CB-314	1958.69	0.4	57.1	
23C	CB-313	1959.2	CB-365	1958.92	0.4	70.49	
22C-23C	CB-312	1963.37	CB-313	1959.2	2.23	186.79	
22C	CB-311	1963.73	CB-312	1963.37	0.4	91.06	
TOTALS						4336	139

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.)	607-07.02 36" (L.F.)
18C	CB-223	1890.91	CB-280	1888.92	2	99.45			
28B	CB-230	1890.36	CB-231	1889.79	2	28.47			
28B	EW-232	1890.5	CB-231	1889.79	2	35.69			
18C	MH-11	1898.67	CB-234	1896.55	2				105.80
18C	CB-281	1896.01	CB-223	1893.69	2.6	89.07			
18C	CB-237	1903.5	MH-11	1902.02	1.8				82.22
18C	CB-224	1900.87	CB-281	1898.02	3	95.01			
18C	MH-10	1905.75	CB-237	1905.43	1				32.29
18C	CB-282	1905.47	CB-224	1902.62	3	95.01			
18C	CB-241	1907.05	MH-10	1905.75	1.5				86.49
28B	CB-236	1908.13	MH-10	1907.25	2	44.14			
18C	CB-225	1910.26	CB-282	1907.2	3	101.94			
28B	CB-240	1911	CB-241	1910.46	1		53.57		
18C	MH-9	1913.95	CB-241	1912.51	1.5		96.3		
28B	CB-235	1910.72	CB-236	1910.42	1	29.47			
18C	CB-283	1919.97	CB-225	1912.42	4	188.73			
28B	CB-246	1911.9	CB-240	1911.65	1		25.27		
19C	CB-239	1918.13	MH-9	1916.46	1.8		93.05		
18C-19C	CB-226	1925.54	CB-283	1921.3	4	106			
28B	CB-238	1912.41	CB-246	1911.95	0.8		57.1		
18C-19C	CB-245	1923.42	CB-239	1920.76	2		132.9		
19C	MH-8	1926.58	CB-245	1926.5	0.5		16.06		
28B	CB-244	1927.25	MH-8	1926.82	1		43.49		
19C	CB-249	1928.4	MH-8	1927.43	1		97.07		
28B	CB-243	1928.85	CB-244	1927.79	6	17.67			
28B	CB-247	1929.2	CB-249	1928.98	0.4		54.75		
28B	CB-248	1929.4	CB-247	1929.32	0.5		15.54		
28B	EW-246	1929.67	CB-248	1929.44	1.5		15.11		
19C	CB-252	1938.48	EW-253	1937.96	3	17.4			
19C	CB-250	1938.91	CB-252	1938.5	0.5	81.07			
19C	CB-251	1944.37	CB-250	1939	2.38	225.22			
20C	CB-260	1933.08	EW-263	1932.88	0.5			39.72	
20C	CB-255	1934.35	CB-260	1933.58	1		77.59		
19C-20C	CB-259	1943.4	CB-260	1942.5	0.5	180			
20C	CB-261	1943.57	CB-260	1942.5	0.5	215			
20C	CB-256	1935.96	CB-255	1934.85	0.5	221.5			
20C	CB-285	1934.49	CB-255	1934.35	0.5		27.5		
20C	EW-258	1946.62	CB-256	1945.6	3	34.04			
20C	CB-254	1935.4	CB-285	1934.99	0.5	82			
20C	EW-285	1944.58	CB-285	1942.89	4	42.28			
20C	EW-257	1944.54	CB-254	1943.4	3	38.12			
19C-20C	CB-262	1946.04	CB-254	1935.4	4.32	246			
TOTALS						2313	805	40	307

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.)	607-07.02 36" (L.F.)	607-08.03 48" (L.F.)
22C	CB-309	1964.18	CB-311	1963.73	0.4	113.15				
22C	CB-310	1964.91	CB-309	1964.18	10	7.27				
22C	CB-308	1967.78	CB-309	1964.18	1.87	192.65				
28C	CB-348	1942.53	EW-294	1942.47	0.4					16.14
28C	CB-278	1946.33	CB-348	1946.05	0.4				71	
28C	CB-289	1943.68	CB-348	1943.53	0.4				37.56	
23C	MH-16	1946.95	CB-278	1946.78	0.5				33.75	
23C	CB-347	1943.74	CB-289	1943.68	0.8				7.01	
23C	MH-17	1947.98	MH-16	1947.45	1			53.32		
23C	CB-349	1944.02	CB-347	1943.74	0.6				46.2	
23C	CB-329	1950.07	MH-17	1949.68	0.52			76.02		
28C	CB-328	1952.6	CB-329	1952.34	0.4			64.56		
23C	MH-15	1951.09	CB-329	1951.07	0.4	5.76				
23C,28C	CB-331	1953.35	CB-328	1952.69	1.15			57.56		
23C	MH-13	1954.2	CB-328	1953.64	2	27.8				
23C	CB-327	1951.39	MH-15	1951.09	0.4	74.49				
23C	MH-14	1955.61	CB-331	1955.3	1		30.52			
28C	CB-330	1954.75	CB-331	1954.39	0.5	71.08				
23C	CB-320	1954.6	MH-13	1954.38	0.4	54.65				
23C	CB-332	1957.17	MH-14	1956.51	1		65.67			
23C	CB-321	1955.22	CB-320	1954.7	0.74	70.38				
23C	CB-333	1959.18	CB-332	1958.61	1		56.55			
23C	CB-322	1956.44	CB-321	1955.22	1.41	86.82				
23C	CB-334	1962.08	CB-333	1960.48	1		159.83			
23C	MH-1	1957.64	CB-322	1956.44	2.41	49.41				
23C	CB-335	1967.37	CB-334	1966.02	1		135			
23C	CB-343	1966.16	CB-334	1966.08	2	3.85				
23C	CB-323	1959.17	MH-1	1957.64	3.98	38.57				
22C-23C	CB-336	1974.46	CB-335	1971.22	1.5	216				
24C	CB-344	1970.24	CB-335	1970.15	2	4.32				
24C	CB-324	1962.75	CB-323	1959.18	2.45	145.52				
24C	CB-337	1981.04	CB-336	1978.64	1.5	159.5				
22C-23C	CB-325	1965.97	CB-324	1962.75	1.56	206.45				
24C	CB-338	1988.8	CB-337	1984.8	2	200				
24C	CB-345	1983.95	CB-337	1983.78	2	8.08				
24C	CB-326	1968.69	CB-325	1965.97	1.02	265.66				
24C	CB-339	1997.44	CB-338	1994.7	2	137.04				
24C	CB-340	2003.97	CB-339	2001.76	1.5	147.29				
24C	CB-341	2012.8	CB-340	2003.97	7.48	118				
22C	CB-342	2015.91	CB-341	2012.8	2.26	138				
23C	CB-350	1957.15	EW-296	1956.99	0.4		40.76			
23C	CB-351	1957.61	CB-350	1957.15	1		46.45			
23C	CB-352	1960.12	CB-351	1958.67	1		145.45			
23C	MH-23	1963.06	CB-352	1962.03	1.5		68.93			
23C	MH-22	1965.22	MH-23	1964.38	1		83.81			
23C	CB-353	1968.71	MH-22	1967.44	2		63.35			
23C	CB-354	1970.68	CB-353	1969.68	1		99.81			
23C-24C,28C	CB-355	1974.36	CB-354	1973.59	1	76.5				
24C,28C	CB-356	1976.67	CB-355	1976.3	6		6.08			
23C	MH-21	1978.22	CB-355	1976.22	2		100.38			
23C	MH-20	1981.99	MH-21	1979.57	2		121.01			
24C	CB-357	1986.81	MH-20	1984.74	2.5		82.43			
24C,28C	CB-358	1989.9	CB-357	1988.8	2		54.91			
24C,28C	CB-359	1991.83	CB-358	1989.9	2		96.25			
24C,28C	EW-297	1991.6	CB-358	1990.4	4	29.9				
24C	MH-19	1997.87	CB-359	1996.3	2		78.58			
24C	CB-360	2002.27	MH-19	2000.4	3		62.48			
24C	CB-361	2003.02	CB-360	2002.73	3	9.54				
24C	MH-18	2011.4	CB-360	2002.27	4.84		188.71			
24C	CB-362	2014.39	MH-18	2011.4	2.27		131.49			
24C	CB-363	2015.52	CB-362	2014.39	1.4		81.02			
24C	CB-364	2016.1	CB-363	2016.02	1	8.04				
25C	CB-616	2009.56	EW-601	2009.5	0.4	14.65				
25C,28D	CB-613	2010.04	CB-616	2009.56	0.5	94.67				
TOTALS						**2775**	**1999**	**251**	**196**	**16**

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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.
CONST	2016	STP-101(17)	2T

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.)	RCP CLASS III 607-05.02 24" (L.F.)
25C	CB-606	2010.95	CB-616	2010.35	1	59.67	
25C	CB-614	2010.29	CB-613	2010.04	0.4	62.12	
28D	MH-25	2011.02	CB-606	2010.95	0.4	16.35	
25C,28D	CB-615	2011.34	CB-614	2010.53	1.5	54	
25C,28D	CB-611	2011.11	MH-25	2011.02	0.4	23.35	
25C	CB-607	2013.15	CB-615	2012.93	0.4	54.9	
25C	CB-610	2011.49	CB-611	2011.11	0.4	95	
25C	CB-612	2015.14	CB-607	2015	0.4	33.1	
28D	CB-608	2011.72	CB-610	2011.49	0.4	56.92	
25C,28D	CB-605	2016.22	CB-612	2016.02	0.5	40.24	
25C,28D	CB-609	2014.81	CB-608	2011.72	3	103	
25C	CB-604	2017.49	CB-605	2017.31	0.5	36.92	
24C-25C	EW-600	2020.12	CB-605	2018.22	10	18.93	
25C	MH-24	2015.31	CB-609	2015.21	0.5	20.06	
25C	CB-603	2017.69	CB-604	2017.49	0.5	39.15	
25C	CB-601	2016.64	MH-24	2016.55	0.5	18.03	
25C	CB-602	2018.16	CB-603	2017.7	0.4	116	
25C	CB-600	2017.79	CB-601	2017.08	0.5	142	
26C	CB-710	2014.92	EW-701	2014.89	0.4	6.13	
26C	CB-713	2015.21	CB-710	2014.92	0.4	62	
26C	CB-711	2022.62	CB-713	2015.21	3.5	211.54	
26C	CB-712	2033.21	CB-711	2022.62	4.88	217	
26C	CB-714	2034.95	CB-712	2033.21	0.83	209	
26C	CB-715	2041.47	CB-714	2034.95	4	163	
26C	CB-700	2015.49	EW-700	2015.46	0.4	8.58	
26C	CB-701	2018.93	CB-700	2015.49	3	114.51	
26C	CB-702	2021.87	CB-701	2018.93	3	98.01	
26C	CB-703	2032.15	CB-702	2021.87	4.39	234.01	
26C	CB-704	2032.5	CB-703	2032.15	7.07	5.04	
26C	CB-705	2037.45	CB-703	2032.15	3.51	151	
26C	CB-706	2039.21	CB-705	2037.45	1.43	123	
26C	CB-707	2039.58	CB-706	2039.21	0.4	92.35	
26C	CB-708	2039.96	CB-707	2039.58	1.5	25.31	
26C	CB-709	2040.57	CB-708	2039.96	1.5	40.67	
28E	CB-728	2017.68	EW-704	2017.49	0.5		36.4
27C	CB-722	2023.41	CB-728	2022.34	1	107.08	
28E	CB-717	2020.78	CB-728	2020.06	1		71.74
27C	CB-723	2023.58	CB-722	2023.42	0.5	32	
28E	CB-734	2021.48	CB-717	2020.78	2		35.18
28E	CB-733	2026.4	CB-717	2023.04	2.85	117.84	
27C	CB-724	2026.33	CB-723	2023.58	1.96	140	
28E	CB-729	2021.66	CB-734	2021.49	0.5		34.11
28E	CB-731	2026.83	CB-734	2022.84	3	133.01	
28E	CB-732	2026.82	CB-733	2026.4	2	21.03	
27C	CB-725	2032.55	CB-724	2026.33	4.29	145	
27C	CB-718	2022.38	CB-729	2022.16	1	21.91	
28E	CB-730	2027.23	CB-729	2023.69	2.7	131.13	
26C-27C	CB-726	2038.63	CB-725	2032.55	4.71	129	
27C	CB-719	2026.47	CB-718	2023.53	1.68	175.4	
27C	EW-702	2022.72	CB-718	2022.39	2	16.57	
26C	CB-727	2040.29	CB-726	2038.63	4.85	34.37	
27C	CB-720	2032.61	CB-719	2026.47	4.34	141.6	
26C-27C	CB-716	2038.7	CB-720	2032.61	4.68	130	
26C	CB-721	2040.1	CB-716	2038.7	4.09	34.46	
TOTALS						4261	177

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 4:1 611-07.55 (EA.)	18 IN. ENDWALL 6:1 611-07.56 (EA.)	18 IN. ENDWALL 6:1 611-07.31 (EA.)	24 IN. ENDWALL 6:1 611-07.32 (EA.)	24 IN. ENDWALL 3:1 611-07.57 (EA.)	30 IN. ENDWALL 3:1 611-07.60 (EA.)	36 IN. ENDWALL 6:1 611-07.65 (EA.)	42 IN. ENDWALL 3:1 611-07.66 (EA.)
17B	LAKEWOOD	52+87.00	26.85	EW-201	SD	D-SEW-1A					1					
17B	LAKEWOOD	50+86.00	-45.06	EW-207	U	D-PE-18A, D-PE-18B		1								
17B	SR101	226+75.00	76.96	EW-212	U	D-PE-24A, D-PE-24B	30	1								
17B	WOODLANDS CIR	38+84.00	28	EW-214	SD	D-SEW-1A						1				
18B	SR101	235+95.00	82.99	EW-250	U	D-PE-36A, D-PE-36B	89								1	
18B	WOODLANDS CIR 2	29+11.00	-58	EW-232	U	D-PE-18A, D-PE-18B				1						
19B	SCENIC DRIVE	28+88.15	-27.37	EW-246	SD	D-SEW-1A					1					
19B	SR101	248+47.00	60.86	EW-253	U	D-PE-18A, D-PE-18B	29	1								
20B	SR101	259+40.08	83.18	EW-263	U	D-PE-30A, D-PE-30B	50							1		
20B	SR101	261+69.81	-77.45	EW-258	U	D-PE-18A, D-PE-18B		1								
20B	SR101	259+06.00	-85.74	EW-285	U	D-PE-18A, D-PE-18B		1								
20B	SR101	258+19.60	-81.57	EW-257	U	D-PE-18A, D-PE-18B		1								
20B	WESTMINISTER	30+99.15	36.24	EW-266	U	D-PE-18A, D-PE-18B	24	1								
20B	SR101	269+50.00	97.72	EW-276	U	D-PE-24A, D-PE-24B	45						1			
21B	TUTTLE LANE	28+93.13	27.81	EW-272	SD	D-SEW-1A					1					
21B	SR101	271+33.29	-112.17	EW-286	SD	D-SEW-1A					1					
21B	SR101	273+50.06	-52.48	EW-287	U	D-PE-18A, D-PE-18B		1								
21B	SR101	274+40.00	51.53	EW-288	U	D-PE-18A, D-PE-18B		1								
21B	SR101	278+39.00	-57	EW-289	U	D-PE-18A, D-PE-18B		1								
22B	SR101	284+44.54	-82.84	EW-290	U	D-PE-18A, D-PE-18B	18	1								
23B	SR101	301+56.00	54.76	EW-291	U	D-PE-18A, D-PE-18B	27	1								
23B	DARTMORE DRIVE	36+06.19	28.04	EW-294	U	D-PE-42A, D-PE-42B	133									1
23B	SR101	303+39.33	97.62	EW-296	SD	D-SEW-1A						1				
24B	SR101	313+28.96	77.63	EW-297	SD	D-SEW-1A					1					
25B	SR101	324+34.10	-58.03	EW-601	U	D-PE-18A, D-PE-18B			1							
25B	SR101	324+03.84	72.22	EW-600	SD	D-SEW-1A					1					
26B	SR101	336+50.09	-40.52	EW-701	U	D-PE-18A, D-PE-18B			1							
26B	SR101	336+58.59	41.82	EW-700	U	D-PE-18A, D-PE-18B		1								
27B	SR101	352+58.00	69	EW-704	U	D-PE-24A, D-PE-24B	10									
27B	SR101	351+30.00	-48	EW-702	U	D-PE-18A, D-PE-18B										
TOTALS							455	13	2	1	6	2	1	1	1	1

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	60713.1	50362.57	1117	76157.13
SIDE ROADS	8950.48			23781.3
DRIVEWAYS	416.88			431.16
TOTALS	70080.46	50362.57	1117	100369.59

ROAD & DRAINAGE EXC. (UNCL.) INCLUDES = 7458.83 C.Y. FROM SIDE ROADS
AND 347.4 C.Y. FROM DRIVEWAYS
EMBANKMENT INCLUDES= 23781.3 C.Y. FROM SIDE ROADS
SHR=20% AND 431.16 C.Y. FROM DRIVEWAYS

ROADSIDE DITCHES

STATION FROM	STATION TO	SIDE LT	SIDE 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
52+87	55+19		X	4	V	103			LAKEVIEW DR
54+00	55+19	X		4	1'-T		53	2	LAKEVIEW DR
37+33	38+68		X	4	1'-T		60	2	WOODLAND CIR 1
37+60	38+50	X		4	1'-T		40	1	WOODLAND CIR 1
27+12	28+92		X	4	1'-T		80	3	WOODLAND CIR 2
27+58	28+88	X		4	1'-T		58	2	WOODLAND CIR 2
27+00	28+87		X	4	1'-T		83	3	SCENIC DR
27+00	28+73	X		4	1'-T		77	3	SCENIC DR
35+62	36+40	X		4	1'-T		35	1	WESTMINISTER
26+77	28+73		X	4	1'-T		87	3	TUTTLE LN
26+77	28+73	X		4	1'-T		87	3	TUTTLE LN
41+21	42+88	X		4	V	74			SNEAD DR
44+25	45+85		X	4	1'-T		71	3	SNEAD DR
44+50	45+63	X		4	1'-T		50	2	SNEAD DR
35+00	35+49		X	4	1'-T		22	1	DARTMORE
35+00	35+40	X		4	1'-T		18	1	DARTMORE
30+75	31+40		X	4	V	29			GILFORD TERRACE
30+76	30+99	X		4	1'-T		10	1	GILFORD TERRACE
31+29	32+24		X	4	V	42			HOWARD TERRACE
31+50	32+24	X		4	1'-T		33	1	HOWARD TERRACE
335+98	336+49	X		4	V	23			SR-101
335+60	336+54		X	4	V	42			SR-101
12+26	14+25		X	4	V	88			WAREHOUSE RD
12+26	16+00	X		4	V	166			WAREHOUSE RD
17+40	18+55		X	4	1'-T		51	2	SNEAD DR
17+50	18+23	X		4	1'-T		32	1	SNEAD DR
TOTALS						568	947	35	

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"	23"X14"	36"	48"	END TREATMENT TYPE	END TREATMENT DRAWING NO.	REMARKS
231+04.88	X		SR101	20	26					NO END TREATMENT		
26+66.85	X		WOODGATE DRIVE	20			35			NO END TREATMENT		
28+16.87		X	SCENIC DRIVE	30	36					NO END TREATMENT		
232+53.94	X		SR101	30	36					NO END TREATMENT		
238+39.57	X		SR101	40			50			NO END TREATMENT		
TOTALS					98	0	85	0	0			

R.O.W. MARKERS

SHEET NO.	QUANTITIES "A"	"B"	"C"	TOTALS
17A		1	5	6
18A	3		4	7
19A	2		2	4
20A	8		4	12
21A	4		2	6
22A	4			4
23A	8		7	15
24A		1	6	7
25A		2	1	3
26A	1	1	10	12
27A	1		7	8
TOTALS	31	5	48	84

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	2U

PAVEMENT QUANTITIES

LOCATION	PAY ITEMS										
	303-01 (TON)	307-02.01 (TON)	307-02.02 (TON)	307-02.03 (TON)	307-02.08 (TON)	402-01 (TON) (ENTIRE)	402-02 (TON) (ENTIRE)	403-01 (TON) (ENTIRE)	411-01.07 (TON)	411-02.10 (TON)	415-01.02 (S.Y.)
SR101	71877.0	20259.0	594.0	16665.4	16100.0	242.4	959.7	139.8	1.1	7781.0	6920.0
SIDE ROADS	24814.0	1289.0			845.0				286.6	2153.0	
DRIVEWAYS	4344.2				1606.0					1243.0	
TOTALS	**101035.2**	**21548.0**	**594.0**	**16665.4**	**18551.0**	**242.4**	**959.7**	**139.8**	**287.7**	**11177.0**	**6920.0**

SIGNS (CONSTRUCTION) 712-06

QUANTITY	M.U.T.C.D. NO.	DESCRIPTION	SIZE IN X IN		ITEM NO. 712-06 (S.F.)	REMARKS
3	(G20-1)	ROAD WORK NEXT 3 MILES	48	24	24	
47	(G20-2)	END ROAD WORK	48	24	376	
3	(W20-1)	ROAD WORK 1000 FT	48	48	48	
3	(W20-3)	ROAD WORK 1 MILE	48	48	48	
43	(W20-1)	ROAD WORK AHEAD	48	48	688	
3	(W20-3)	ROAD WORK 1/2 MILE	48	48	48	
					1232	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		STATION		SINGLE TYPE 2 GUARDRAIL 705-02.02 (L.F.)	TYPE 38 TERMINAL 705-04.07 (EACH)	REMARKS
		LT	RT	FROM	TO			
20B	WESTMINSTR	25.00		31+10.00	31+60.00		1	
20B	WESTMINSTR		25.00	31+10.00	31+60.00		1	
20B	WESTMINSTR	24.00		31+60.00	32+50.00	90.20		
20B	WESTMINSTR		24.00	31+60.00	32+50.00	90.20		
20B	WESTMINSTR		18.00	32+50.00	34+50.00	200.56		
20B	WESTMINSTR	18.00		32+50.00	34+50.00	199.45		
20B	WESTMINSTR	18.00		34+50.00	35+00.00		1	
20B	WESTMINSTR		18.00	34+50.00	35+00.00		1	
20B-21B	SR-101		51.25	270+00.00	270+50.00		1	
21B	SR-101		50.25	270+50.00	271+50.00	100.00		
21B	SR-101		51.25	271+50.00	272+00.00		1	
TOTALS						**680.41**	**6**	

TEMPORARY TRAFFIC CONTROL QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1)	705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	5
2)	712-01	TRAFFIC CONTROL	LS	1
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	20694
	712-04.02	FLEXIBLE DRUMS (CHANNELIZATION)	EACH	400
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	3
	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 REMOVAL OF PAVEMENT MARKINGS WILL BE PAID FOR UNDER ITEM 712-01

EPSC QUANTITIES

STAGE	PAY ITEMS																								
	203-01 (C.Y.)	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)	209-09.04 (EACH)	209-09.43 (EACH)	209-20.03 (S.Y.)	209-40.33 (EACH)	209-40.41 (EACH)	209-40.42 (EACH)	209-40.44 (EACH)	209-40.45 (EACH)	209-40.46 (EACH)	209-40.47 (EACH)	209-40.48 (EACH)	303-10.01 (TONS)	621-03.05 (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.)
1	1139		17865	78	4	37		2			6								245		474	200	1226	3407	7438
2	741		18034	186	5	36	2934	2		204	2	10	10	13	8	103	48	6	170	130	474		817	2096	7438
3	21		107						177										4				23	54	92
ALL		957																							
TOTALS	**1900**	**957**	**36005**	**264**	**9**	**73**	**2934**	**4**	**177**	**204**	**8**	**10**	**10**	**13**	**8**	**103**	**48**	**6**	**419**	**130**	**948**	**200**	**2066**	**5556**	**14968**

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CONSTRUCTABILITY FIELD REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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	TYPE	YEAR	PROJECT NO.	SHEET NO.
PHASE 1	R.O.W.	2010	STP-101(16)	3
PHASE 2	R.O.W.	2011	STP-101(17)	3
	CONST	2016	STP-101(17)	3

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

REV. 04-10-13: UPDATED UTILITY OWNERS.

REV. 09-05-14: UPDATED UTILITY OWNERS.

REV. 05-09-16: UPDATED UTILITY OWNERS. ADDED UTILITY NOTES.

RIGHT-OF-WAY

(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, ROADWAY DESIGN DIVISION AND THE CIVIL ENGINEERING MANAGER 1, REGIONAL ROADWAY 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) TRACT REMAINDERS NOT HAVING AN EXISTING DRIVEWAY WILL BE PROVIDED ONE 50-FOOT OPENING IN THE ACCESS CONTROL FENCE AND A DRIVEWAY WILL BE CONSTRUCTED UNLESS ACCESS IS PROVIDED FROM AN INTERSECTING ROAD OR BASED ON PHYSICAL CONDITIONS AND/OR CONFLICTS WITH OTHER DESIGN CONSIDERATIONS WHICH PREVENT AN ACCESS OPENING. PAVING OF THESE NEW DRIVEWAYS WILL BE IN ACCORDANCE TO THE 7 PERCENT CRITERIA PREVIOUSLY MENTIONED FOR EXISTING DRIVEWAYS.

(8) 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.

(9) 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.

(10) 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.

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.

UTILITY OWNERS

CABLE TV:
CHARTER COMMUNICATIONS
38 WEST BROAD STREET
COOKEVILLE, TN 38501
CONTACT: MR.JOE HUNTER
OFFICE PHONE: 931- 372- 2889
CELL PHONE: 931- 372- 2889
Email: joe.hunter@charter.com

CABLE TV:
SPIRIT BROADBAND
8279 HORTON HWY
COLLEGE GROVE, TN 37046
CONTACT: MR. VINCE KING
OFFICE PHONE: 877- 368- 2110
CELL PHONE: 877- 368- 2110
Email: vince@spiritbb.com

ELECTRIC:
VOLUNTEER ENERGY COOPERATIVE
18359 HWY 58 NORTH
DECATUR, TN 37322
CONTACT: MR.RODY BLEVINS
OFFICE PHONE: 423- 334- 7000
CELL PHONE: 423- 334- 7000
Email: rblevins@vec.org

GAS:
MIDDLE TENNESSEE NATURAL GAS
1030 WEST BROAD STREET
SMITHVILLE, TN 37166
CONTACT: MR.JOHN MULLEN
OFFICE PHONE: 615- 597- 0515
CELL PHONE: 615- 597- 0515
Email: mstennett@mtng.com

WATER:
CRAB ORCHARD UTILITY DISTRICT
2089 EAST 1ST STREET
CROSSVILLE, TN 38555-4659
CONTACT: MR.EVERETT BOLIN
OFFICE PHONE: 931- 484- 6987
CELL PHONE: 931- 265- 4491
Email: ebolin.coud@frontiernet.net

CABLE TV:
COMCAST (XFINITY)
5720 ASHEVILLE HWY
KNOXVILLE, TN 37924
CONTACT: MR.JOSHUA JONES
OFFICE PHONE: 865- 719- 7590
CELL PHONE: 865- 719- 7590
Email: joshua_jones@comcast.com

FIBER OPTICS:
VOLFIRST
205 O'BRIEN ROAD
CROSSVILLE, TN 38555
CONTACT: MR.RICHARD BOYD
OFFICE PHONE: 931- 668- 6692
CELL PHONE: 931- 668- 6692
Email: rboyd.bl@blomand.net

ELECTRIC:
TENNESSEE VALLEY AUTHORITY
1101 MARKET ST MR 4G-C
CHATTANOOGA, TN 37402
CONTACT: MR.SHANE BEASLEY
OFFICE PHONE: 423- 751- 2213
CELL PHONE: 423- 751- 2213
Email: skbeasley@tva.gov

TELEPHONE:
FRONTIER/CITIZENS COMMUNICATIONS CO.
447 SOUTH JEFFERSON AVENUE
COOKEVILLE, TN 38501
CONTACT: MR. HAROLD RADER, II
OFFICE PHONE: 931- 646- 4534
CELL PHONE: 931- 646- 4534
Email: harold.rader@ftr.com

SEWER:
FAIRFIELD GLADE COMMUNITY CLUB
7827 PEAVINE ROAD
FAIRFIELD GLADE, TN 38558
CONTACT: MR. TIM MARTIN
OFFICE PHONE: 931- 484- 3780
CELL PHONE: 931- 510- 7072
Email: tmartin@fairfieldglade.cc

CONSTRUCTABILITY
FIELD REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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

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

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

REV.04-6-16:ADDED TRACT 8113 PER ROW REQ.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	3C
CONST	2016	STP-101(17)	3C

REV. 10-26-11: CORRECTED AREA TO BE ACQUIRED FOR TRACT 96.
REV. 2-29-12: ADDED PERM. DRAINAGE EASEMENT TO TRACT 101.
REV. 6-15-12: ADDED DRN. ESMT. AREA FOR TRACTS 91, 92, 114, AND 119. ADDED SLOPE ESMT. AREA FOR TRACT 92. ADDED CONST. ESMT. AREA FOR TRACTS 89 AND 92. CORRECTED DRN. ESMT. AREA FOR TRACTS 96, 101, 105, AND 106. CORRECTED SLOPE ESMT. AREA FOR TRACTS 91, 96, AND 105. CORRECTED CONST. ESMT. AREA FOR TRACTS 91, 96, 101, 105, 114, AND 119. REMOVED DRN., SLOPE, AND CONST. ESMT. AREAS FOR TRACT 96. UPDATED AREA TO BE ACQ. FOR TRACT 96. UPDATED DEED BOOK AND PAGE FOR TRACTS 86, 97, 98, 100, 102, 107, 113, AND 118. UPDATED TOTAL AREA FOR TRACTS 86, 100, 101, 102, 106, AND 108. UPDATED PROPERTY OWNER NAME FOR TRACTS 88, 107, 113, AND 118.

REV. 09-12-12: PLACED LINE THROUGH TRACT 88,88A,89,93,94A,& 103. REMOVED CONST EASMT FROM TRACT 89 AND 114. REMOVED TRACT 93 AND 94 AREA TO BE ACQUIRED AND ADDED CONST EASMT AND SLOPE EASMT TO TRACT 94. UPDATED TRACT 88,93,94,113, AND 95. ADDED TRACT 88A, 88B, 94A. REVISED TRACT 95,97, AND 98. ADDED DRAIN EASMT TO TRACT 110. REVISED SLOPE EASMT ON TRACT 105.
REV. 09-13-12: REVISED SLOPE EASMT ON TRACT 105.

REV. 10-26-12: CORRECTED AREA TO BE ACQUIRED LEFT ON TRACT 96. OMITTED PARCEL 6.02 FROM TRACT 100 AND ADJUSTED ACREAGE ACCORDINGLY. ADJUSTED ACREAGE ON TRACT NO. 106 DUE TO SELL-OFF. CHANGED TOTAL AREA AND AREA REMAINING RT ON TRACT 102. CHANGED AREA TO BE ACQUIRED, PERM DRAINAGE & CONST EASEMENTS AND DELETED SLOPE EASEMENT ON TRACT 114.
REV. 04-10-13: ADDED DRAIN EASMT TO TRACT 108. REVISED AREA TO ACQUIRED ON TRACT 106. REVISED TOTAL AREA ACRES TO RIGHT FOR TRACT 111. REVISED AREA TO BE ACQUIRED ON TRACT 110. REVISED CONST EASMT AND SLOPE EASMT ON TRACT 121. ADDED DRAIN EASMT TO TRACT 96. ADDED DRAIN EASMT TO TRACT 105. REVISED SLOPE EASMT AND CONST EASMT TO TRACT 105. REVISED CONST EASMT, SLOPE EASMT, & DRAIN EASMT FOR TRACT 111. REVISED DRAIN EASMT FOR TRACT 110.

REV. 09-05-14:REVISED PROPERTY OWNERS NAMEON TRACT 109 AND 121 PER ROW REQ.REVISED AREA ACQUIRED AND DRAIN EASMT ON TRACT 121.ADDED TRACT 106-A AND 106-B. REVISED TRACTS 106, 108, 109, AND 110 PER ROW REQ.

REV. 10-21-14:REVISED TRACTS 106-A, 106-B, AND 108 PER ROW REQ.

REV. 01-07-15:REVISED PROPERTY OWNERS NAME ON TRACTS 88-B, PER ROW REQ.
REV. 04-14-15:REVISED PROPERTY OWNERS NAME ON TRACT 92 AND 94 PER ROW REQ.
REV. 04-23-15:REVISED PROPERTY OWNERS NAME ON TRACT 106-A AND 120 PER ROW REQ.
REV. 05-26-15:REVISED PROPERTY OWNERS NAME ON TRACT 116 PER ROW REQ.
REV.05-27-15:REVISED TRACT 101 PER ROW RE
REV.01-5-16:REVISED PROPERTY OWNERS NAME ON TRACT 96,105,107,112,115,117,119, AND 121 PER ROW REQ.

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.
86	JASON & PAM B. RAY	76E/B	34	1279	1455	0.545		0.545	3207 S.F.		3207 S.F.	0.471				
87	LKM PROPERTIES LP	76E/C	22	1216	508	0.868		0.868	0.104		0.104	0.764				
88	~~**EDWARD ERIC EISCHIED**~~	076E	C021.00	1199	2331	1.810		1.810				1.810				
88A	~~**EDWARD ERIC EISCHIED**~~	076E	C019.00	1199	2331	1.330		1.330				1.330				
88B	EDWARD ERIC EISCHIED & NATALIE D. EISCHIED	076E	C018.00	1199	2331	1.910		1.910	0.108		0.108	1.802				
89	~~**DIANA F. BOJANZYK**~~	77H/H	33	1190	1382		0.263	0.263					0.263			
90	WENDELL T. & ROSETTA C. NEALON	77H/H	32	1140	2409		0.271	0.271		141 S.F.	141 S.F.		0.268		6	1261
91	LEXINGTON PROPERTIES 1 LLC.	77H/H	31	1259	66		0.257	0.257		558 S.F.	558 S.F.		0.244	213	600	1340
92	WALDEMAR WISNIEWSKI	77H/H	30	1428	1587		0.256	0.256		46 S.F.	46 S.F.		0.255	671	108	714
93	~~**UPPER CUMBERLAND GAS AND UTILITY DISTRICT**~~	76	028.00	1361	1562	6.180		6.180				6.180				
94	GRINDSTAFF TENNESSEE BUILDINGS, LLC.	076E	A014.00	1401	2123	1.000		1.000				1.000			307	1339
94A	~~**WYNDHAM VACATION RESORTS INC. TAX DEPT.**~~	076E	A001.00	1257	226	1.000		1.000				1.000				
95	JEFFREY B. & TERESA P. SMITH	76D/A	49	533	494	2.622		2.622	1037 S.F.		1037 S.F.	2.598				854
	SAME	76D/A	48	1048	1631											
	SAME	76D/A	48.01	1037	1844											
96	WYNDHAM VACATION RESORTS, INC.	76/E	1	1257	2226	2.890	20.901	23.791	2.890	4.217	7.107		16.684	0.121 AC	0.708 AC	1.087 AC
97	ROBERT A. & KAREN A. BERTRAM	76D/A	1	1307	389	1.269		1.269	1329 S.F.		1329 S.F.	1.238				
98	DONALD H. & IRENE DEE DAMRON	76D/A	2	1204	264	1.003		1.003	0.109		0.109	0.894				
	SAME	76D/A	3	1290	1246											
99	JOHN BRUINGTON	76D/A	5	1196	1995	0.453		0.453	1429 S.F.		1429 S.F.	0.420				
~~**100**~~	~~**FAIRFIELD GLADE CHURCH OF CHRIST**~~	76D/A	6.02	396	623	0.810		0.810				0.810				
	FAIRFIELD GLADE CHURCH OF CHRIST	76D/A	6	457	414	0.540		0.540	2822 S.F.		2822 S.F.	0.475				
101	ANDREW H. TURNER AND BETTY A. TURNER TRUSTEES	77	1.03	1196	1173	122.000		122.000	0.277		0.277	121.723		333		0.142 AC
102	FAIRFIELD BAPTIST FELLOWSHIP CHURCH	77H/J	1.03	1171	1420	1755 S.F.	11.220	11.260	1755 S.F.	0.623	0.663		10.597		1108	1538
~~**103**~~	~~**CHARLES R. & CHARLOTTE B. MANNING**~~	77H/J	21	1195	306		0.554	0.554					0.554			
104	WILLIAM F. & DORIS H. RANOLPH	77H/J	20.00	1196	252		0.703	0.703		1694 S.F.	1694 S.F.		0.664			
105	WYNDHAM VACATION RESORTS, INC.	77H/J	27.01	1257	2226	625 S.F.	13.416	13.430	625 S.F.	1.013	1.027		12.403	0.280 AC	0.438 AC	0.287 AC
~~**106**~~	~~**ANDREW H. TURNER & BRENDA G. TURNER, TRUSTEES**~~	77	1.00	1417	387	168.290		168.290				168.290				
106-A	ANDREW H. & BRENDA G. TURNER-TRUSTEE	77	1.05	1229	2388	5.360	0.420	5.780	1.035	0.420	1.455	4.325		369	2955	0.229 AC
106-B	ANDREW H. TURNER AND BRENDA G. TURNER TRUSTEES	77	1.00	1417	387	26.910		26.910	0.106		0.106	26.804				
107	WYNDHAM VACATION RESORTS, INC.	77G/H	1	1257	2226		15.673	15.673					15.673	268	507	3815
108	ANDREW H. TURNER AND BRENDA G. TURNER TRUSTEES	77	1.02	1417	392	207.549	2.331	209.880	2.165	2.331	4.496	205.384		4129	0.765 AC	0.653 AC
109	LKM PROPERTIES LP	77	1.04	1218	2221	1.725		1.725	0.147		0.147	1.578				2628
110	CUMBERLAND COUNTY BANK OF CROSSVILLE, TN	77	1.01	242	318	2.955		2.955	0.134		0.134	2.821		0.144 AC		2949
111	FAIRFIELD GLADE COMMUNITY CLUB	77	8.02	406	192		1.854	1.854		0.431	0.431		1.423	4127	1756	1222
112	WYNDHAM VACATION RESORTS, INC.	77	8.01	1257	2226		6.421	6.421		0.129	0.129		6.292			
113	SUSANNE M. MIGUEL-MELO	77 B/E	2	1333	1064	0.245		0.245	2034 S.F.		2034 S.F.	0.198				
8113	STATE OF TENNESSEE								0.198		0.198					
114	FIRST FIDELITY BANK, FSB	77B/E	1.01	455	398	2.990		2.990	0.479		0.479	2.511		571		2563
115	WYNDHAM VACATION RESORTS, INC.	77G/C	1	1257	2226		1.441	1.441		0.149	0.149		1.292		723	0.139 AC
116	JULIE M. PETERSON	77G/C	17	1389	1863		0.267	0.267		106 S.F.	106 S.F.		0.265		164	982
117	WYNDHAM VACATION RESORTS, INC.	77B/F	1	1257	2226	11.518		11.518	0.233		0.233	11.285		582	1316	0.410 AC
118	DOUGLAS L. & NANCE L. BOCKSTANZ	77G/C	5	1348	1266		0.688	0.688					0.688			57
	SAME	77G/C	7	1196	2156											
119	WYNDHAM VACATION RESORTS, INC.	77G/C	8	1257	2226		0.315	0.315		1542 S.F.	1542 S.F.		0.280	340	20	2576
120	DAVID C. SMITH	77G/C	10	1395	2442		0.509	0.509		4258 S.F.	4258 S.F.		0.411			1315
121	WYNDHAM VACATION RESORTS, INC.	77G/D	23	1257	2226		3.530	3.530		0.137	0.137		3.393	841	601	0.282 AC

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DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY ACQUISITION TABLE

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	3D
CONST	2016	STP-101(17)	3D

REV. 2-29-12: COMBINED TRACTS 124 AND 125 INTO 124.
REV. 6-15-12: CORRECTED SLOPE AND CONST. ESMT. AREAS FOR TRACTS 124, 126, 128, 132, AND 133 . ADDED DRN. ESMT. AREA TO TRACT 126. ADDED CONST. ESMT. AREA TO TRACT 131. REMOVED AREA TO BE ACQUIRED LEFT FOR TRACT 134. ADDED CONST. ESMT. AREA FOR TRACT 134. UPDATED DEED BOOK AND PAGE FOR TRACTS 131, 153, 154, AND 155. UPDATED TOTAL AREA FOR TRACTS 122, 124, AND 134. UPDATED PROPERTY OWNER NAME FOR TRACTS 124, 129, 131, 143, 154, AND 155.

REV. 09-12-12: ADDED LINES THRU TRACT 136,142-152,155,157,161. REMOVED AREA ACQUIRED FOR TRACT 129,130,131, 153,154,156,161, AND 143 ADDED CONST EASMT TO TRACT 129,130, 131,153,154, AND 156. ADDED SLOPE EASMT TO TRACT 129. ADDED DRAIN EASMT TO TRACT 130,153, AND 156. REVISED CONST EASMT ON TRACT 134. UPDATED TRACT 134.

REV. 10-26-12: ADDED TRACT 106-A. ADDED PERM DRAINAGE EASEMENT TO TRACT 123.

REV. 10-26-12: ADDED TRACT 106-A. ADDED PERM DRAINAGE EASEMENT TO TRACT 123.

REV. 04-10-13: PLACED LINE THRU TRACT 192. REVISED SLOPE EASMT ON TRACT 124. ADDED DRAIN EASMT TO TRACT 123. REVISED DRAIN EASMT, CONST EASMT, SLOPE EASMT ON TRACT 133. ADDED TRACT 194 AND 195. ADDED DRAIN EASMT TO TRACT 158. ADDED DRAIN EASMT TO TRACT 128.

REV. 08-29-13: REVISED DRAIN. EASMT ON TRACT 158.

REV. 09-05-14: REVISED TRACT 127 AND 128 PER ROW REQ.PLACED TRACT 106-A ON SHEET 3C.

REV. 10-21-14: REVISED TRACT 127 PER ROW REQ.

REV. 01-07-15: ADDED DISTURBED AREA PER DESIGN GUIDELINES.

REV. 02-05-15: ADDED TRACT 196 AND REVISED TRACT 195 PER ROW REQUEST.

REV. 02-24-15:REVISED TRACT 195 AND 196 PER ROW REQUEST.

REV. 02-25-15:REVISED TRACT 195 AND 196 PER ROW REQUEST.

REV. 03-16-15: REVISED TRACT 128 PER ROW REQ.

REV. 03-23-15: REVISED PROPERTY OWNERS NAMES FOR TRACT 131 & 132 PER ROW REQ.

REV. 03-25-15: REVISED SE FOR TRACT 133 & 135 PER ROW REQ.

REV. 04-14-15: REVISED PROPERTY OWNERS NAMES FOR TRACT 153 & 154 PER ROW REQ.

REV. 07-08-15: REVISED TRACT 134 AND ADD TRACT 197 PER ROW REQ.

REV. 08-24-15: REMOVED DRN EASMT, REVISED CONST EASMT AND SLOPE EASMT ON TRACT 124 PER ROW REQ.

REV. 01-05-16: ADDED TRACT 8133 AND 8135. REVISED PROPERTY OWNERS NAME ON TRACT 123 126,133,135,158,AND 194 PER ROW REQ.

REV. 02-11-16: REVISED PROPERTY OWNERS NAME ON TRACT 124 PER ROW REQ.

REV. 05-09-16: REMOVED CONST EASMT AND LINE THRU TRACT 154 PER ROW REQ.

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.
	SAME	77G/D	25	1257	2226											
122	FAIRFIELD GLADE COMMUNITY CLUB	77B/F	2	1070	1770	0.930		0.930				0.930				272
123	WYNDHAM VACATION RESORTS, INC.	77F/D	1	1257	2226		4.391	4.391		0.419	0.419		3.972	2125		1821
124	MOST REVEREND RICHARD F. STRIKA OF THE ROMAN CATHOLIC DIOCESE OF KNOXVILLE	77F/J	9	443	476	3.968		3.968	4172 S.F.		4172 S.F.	3.872			116	3860
124	MOST REVEREND RICHARD F. STRIKA OF THE ROMAN CATHOLIC DIOCESE OF KNOXVILLE	77F/J	10	377	724	3.790		3.790	0.325		0.325	3.465				
	SAME	77F/J	11	395	591											
126	WYNDHAM VACATION RESORTS, INC.	77F/G	13	1257	2226		1.813	1.813		0.385	0.385		1.428	1143	4034	0.131 AC
127	CITIZENS TELECOM	77 F/J	13.01	503	22	0.920		0.920	0.524		0.524	0.396				971
128	WYNDHAM VACATION RESORTS, INC.	77F/J	13	1097	1894	12.640		12.640	0.370		0.370	12.270		1945	731	0.122 AC
129	CLEO E. KEEN & WF CYNTHIA A. KEEN	77 F/G	14	1018	321		0.256	0.256					0.256		413	1870
130	J.A. & JEREMY A. FITZGERALD	77 F/G	15	1040	415		0.249	0.249					0.249	715		761
131	CHARLES J. STONE	77 L/C	36	D279	394		0.254	0.254					0.254			1376
132	FREDERICK B. CAVINS	77L/C	37	1406	596		0.299	0.299		1455 S.F.	1455 S.F.		0.266		17	1123
133	WYNDHAM VACATION RESORTS, INC.	77L/C	38	1262	719		0.304	0.304		3616 S.F.	3616 S.F.		0.221	1936	741	778
134	VOLUNTEER ENERGY COOP	077	003.08	1169	43	1.270		1.270				1.270				
135	WYNDHAM VACATION RESORTS, INC.	77F/H	1	1257	2226		0.322	0.322		2319 S.F.	2319 S.F.		0.269		130	614
~~136~~	~~CAROL DEMONGIN & MICHAEL S. FULLERTON~~	77 B/E	3	1176	1184	0.249		0.249				0.249				
~~142~~	~~JASON & PAM B. RAY~~					1.663		1.663				1.663				
~~143~~	~~PHILLIP C. & LORI FREITAG~~	76E/C	23	1209	2249	1.137		1.137				1.137				
~~144~~	~~RONALD & SUSAN UGINO~~	77F/E	21	1037	1118		0.236	0.236					0.236			
~~145~~	~~JOESEPH H. & MARCELLA SIMONI~~	77F/E	22	249	66		0.234	0.234					0.234			
~~146~~	~~JAMES G. & BARBARA A MERCER~~	77F/E	23	1057	818		0.249	0.249					0.249			
~~147~~	~~STEPHEN R. & LANA R. FERRELL~~	77F/E	24	1199	688		0.330	0.330					0.330			
~~148~~	~~BARRY L. & EDNA J. REED~~	77F/E	25	1205	1757		0.261	0.261					0.261			
~~149~~	~~RAY C & MARY J WILDER~~	77F/E	26	297	438		0.253	0.253					0.253			
~~150~~	~~CHARLES W. & LINDA K GOLEY~~	77F/F	12	300	131		0.269	0.269					0.269			
~~151~~	~~RICHARD F & SALLY ANNE RIECHERT~~	77F/F	11	520	783		0.245	0.245					0.245			
~~152~~	~~RICHARD L. & NANNIE M MOTTESHEARD~~	77F/F	10	257	513		0.243	0.243					0.243			
153	DARRELL H. HENRY AND WIFE SHERRY D. HENRY	77F/G	16	1441	1846		0.281	0.281					0.281	462		631
~~154~~	~~JACK DANIEL CUNNINGHAM, JR.~~	77F/G	17	1379	2127		0.273	0.273					0.273			
~~155~~	~~LINDA JEAN MOORE~~	77F/G	18	1323	1921		0.313	0.313					0.313			
156	LEXINGTON PROPERTIES 1 LLC.	77L/C	35	1252	1264		0.277	0.277					0.277	472		503
~~157~~	~~LEROY GERTHA~~	77L/C	34	1199	1329											
158	WYNDHAM VACATION RESORTS, INC.	77H/J	1.02	1257	2226	0.398	3.745	4.143	0.398	0.629	1.027		3.116	2350	0.447 AC	0.180 AC
~~161~~	~~DOUGLAS S. & MARJORIE SUE SATTERLEE~~	76E/B	35	1160	31	0.444		0.444				0.444				
	SAME	76E/B	34.01	1158	425											
	SAME	76E/B	33	1160	31											
~~192~~	~~FAIRFIELD GLADE COMMUNITY CLUB~~					10.387		10.387				10.387				
194	WYNDHAM VACATION RESORTS, INC.	077F/J	6,7	1257	2226	21.870		21.870				21.870		0.154 AC		502
195	MICHAEL J. CONVERSE AND WIFE BETTY A.	077F/A	2	459	746		0.396	0.396					0.396		16	698
196	FAIRFIELD GLADE COMMUNITY CLUB	077/F/A	1.00	1441	2012		0.325	0.325		1033 S.F.	1033 S.F.		0.301		169	1840
197	FAIRFIELD GLADE COMMUNITY CLUB	077	3.06	474	374	5.800		5.800				5.800				981
8133	STATE OF TENNESSEE									0.221	0.221					
8135	STATE OF TENNESSEE									0.269	0.269					

DISTURBED AREA	
IN BETWEEN SLOPE LINES	42.81 (AC)
OUTSIDE SLOPE LINES	13.51 (AC)
TOTAL DISTURBED AREA	56.32 (AC)

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

	TYPE	YEAR	PROJECT NO.	SHEET NO.
PHASE 1	R.O.W.	2010	STP-101(16)	3F
PHASE 2	R.O.W.	2011	STP-101(17)	3F
	CONST	2016	STP-101(17)	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. 09-12-12: ADDED LINE THRU TRACT 88, 89, 93, 161, AND 143. ADDED DRAIN EASMT LABELS. ADDED TRACT 88A, 88B, 94A

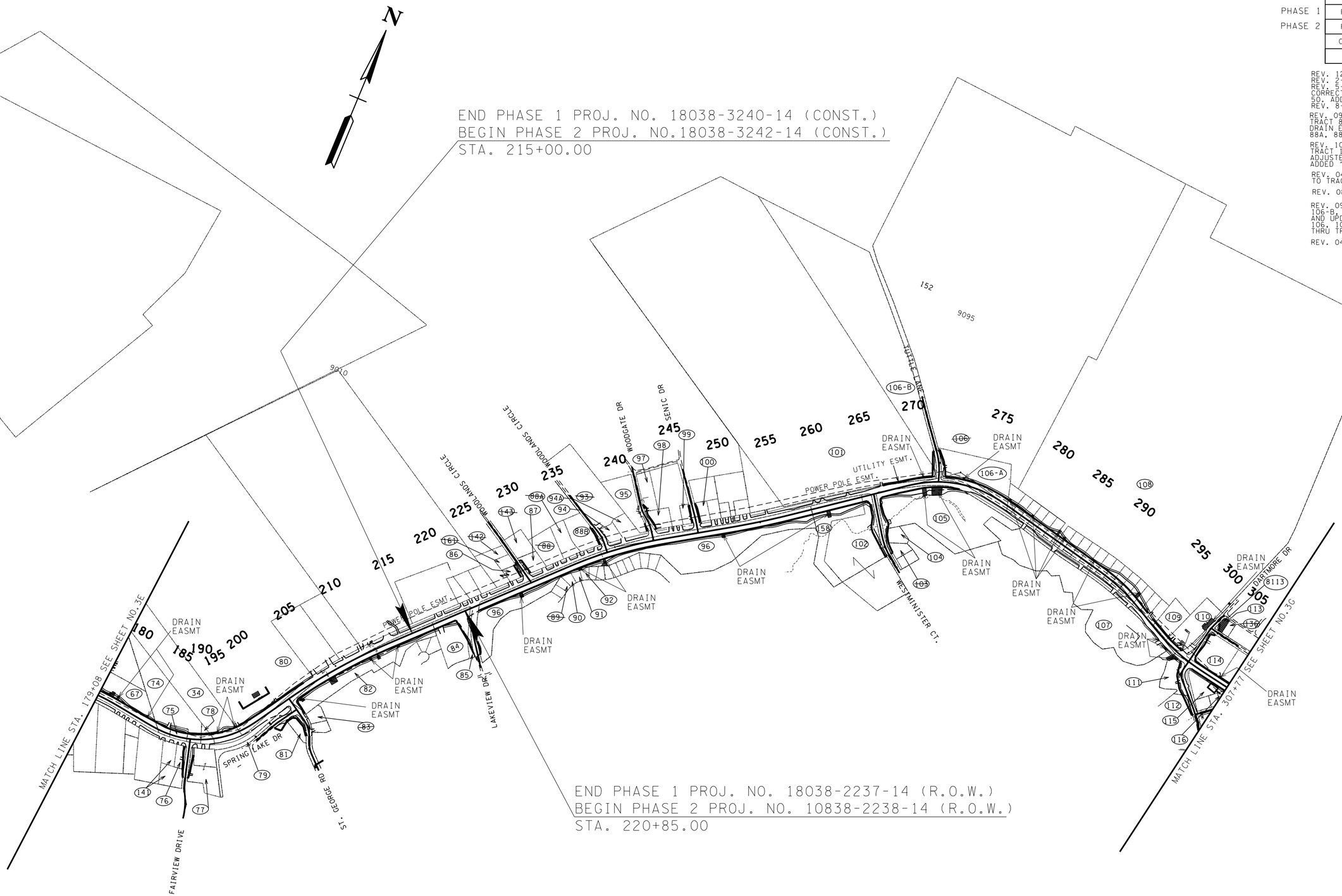
REV. 10-26-12: ADDED PROPERTY LINE TO TRACT 100. ADDED TRACT NO. 106-A. ADJUSTED TRACT 102 PROPERTY LINE & ADDED "Z" BAR.

REV. 04-10-13: ADDED DRAIN EASMT TO TRACT 105,158,96. ADDED INFO BOX.

REV. 08-29-13: ADDED TRACT 158.

REV. 09-05-14: ADDED TRACTS 106-B, UTILITY EASMT, AND UPDATED TRACTS 101, 106-A, 106, 108, 109, AND 110.PLACED LINE THRU TRACT 106.

REV. 04-06-16: ADDED TRACT 8113 PER ROW REQ.



STA. 179+08 TO STA. 220+85
FOR INFORMATION ONLY

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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.	2011	STP-101(17)	3G
CONST	2016	STP-101(17)	3G

REV. 2-29-12: ADDED Z BAR BETWEEN TRACTS 124 AND 125. LINED THROUGH TRACT 125.

REV. 09-12-12: ADDED DRAIN. EASMTS REVISED SLOPES ON WESTCHESTER DR. REMOVED PROP. ROW TO TRACT 129,130, 153,154,157,156, AND 131. REVISED PRES. AND PROP.ROW ON TRACT 132. ADDED DRAIN EASMT TO TRACT 130, 153, AND 156

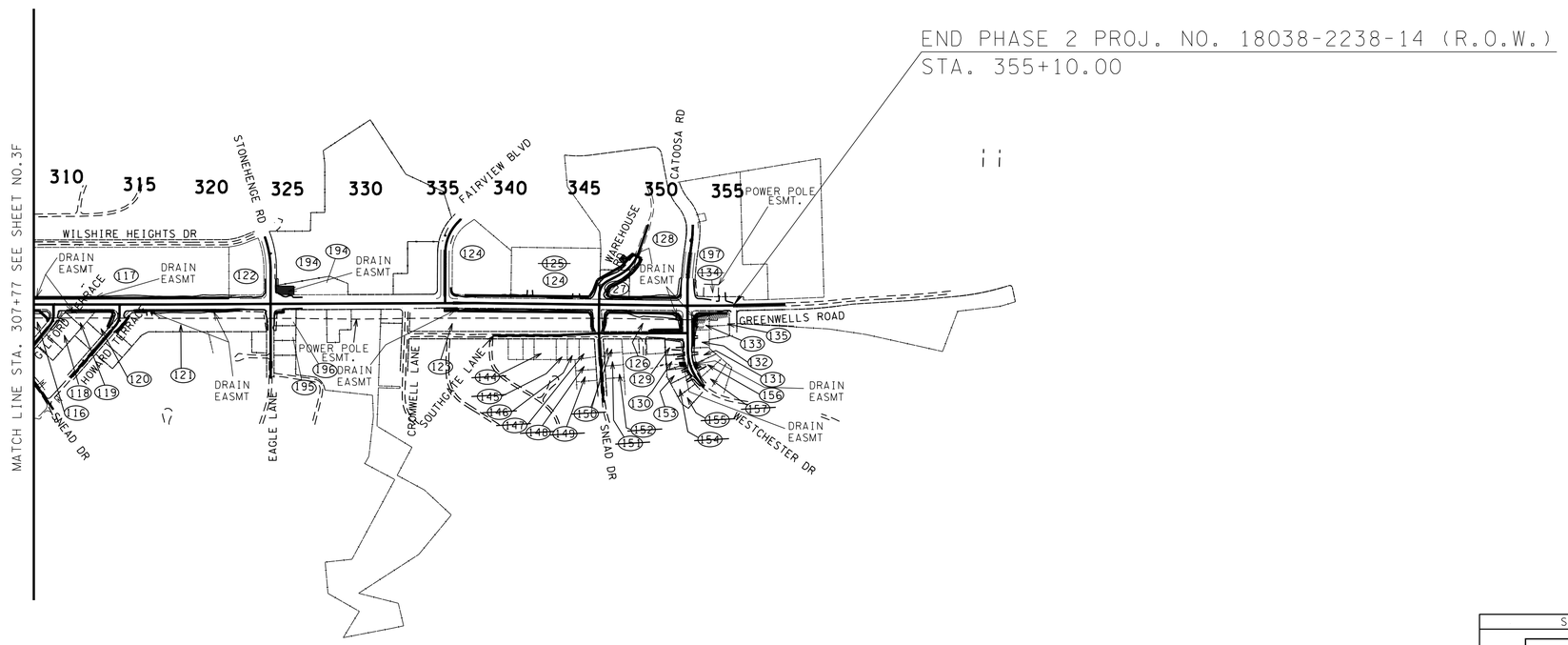
REV. 04-10-13: REMOVED EXCLUSION. ADDED TRACT 194-195 ADDED DRAIN EASMT AND CONST EASMT TO TRACT 194. CONST AND SLOPE EASMT TO TRACT 124. AND CONST EASMT. SLOPE EASMT. AND PROP ROW TO TRACT 195. ADDED DRAIN EASMT TO TRACT 133. ADDED DRAIN EASMT TO TRACT 128.

REV. 02-05-15: ADDED TRACT 196 PER ROW REQ.

REV. 07-08-15: ADDED TRACT 197 PER ROW REQ.

REV. 08-24-15: REMOVED DRN.EASMT. REVISED CONST EASMT AND SLOPE EASMT ON TRACT 124 PER ROW REQ.

REV. 05-09-16: LINE THRU TRACT 154 PER ROW REQ.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 307+77 TO STA. 356+41

SCALE: 1"=500'

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	TYPE	YEAR	PROJECT NO.	SHEET NO.
PHASE 1	R.O.W.	2010	STP-101(16)	3K
PHASE 2	R.O.W.	2011	STP-101(17)	3K
	CONST	2016	STP-101(17)	3K

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

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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REFERENCE CONTROL POINTS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	3L
CONST	2016	STP-101(17)	3L

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

TDOT CONTROL POINT
ALUMINUM DISK 18-101-140
N 611872.3630
E 2292567.6480
EL 1955.68

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

References:
S.E. 5.20′ WITNESS POST
S.W. 11.70′ FENCE POST
EAST 15.60′ FENCE POST

AT STA.266+06.45 LT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-141
N 612162.8870
E 2293200.7640
EL 1947.41

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

References:
SOUTH 2.05′ WITNESS POST
NORTH 10.30′ N&C E.P.
S.W. 7.20′ POWER POLE

AT STA.272+98.22 LT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-143
N 611852.4910
E 2294565.5700
EL 1971.22

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

References:
NORTH 4.80′ WITNESS POST
SOUTH 11.63′ N&C E.P.
S.E. 18.41′ N&C E.P.

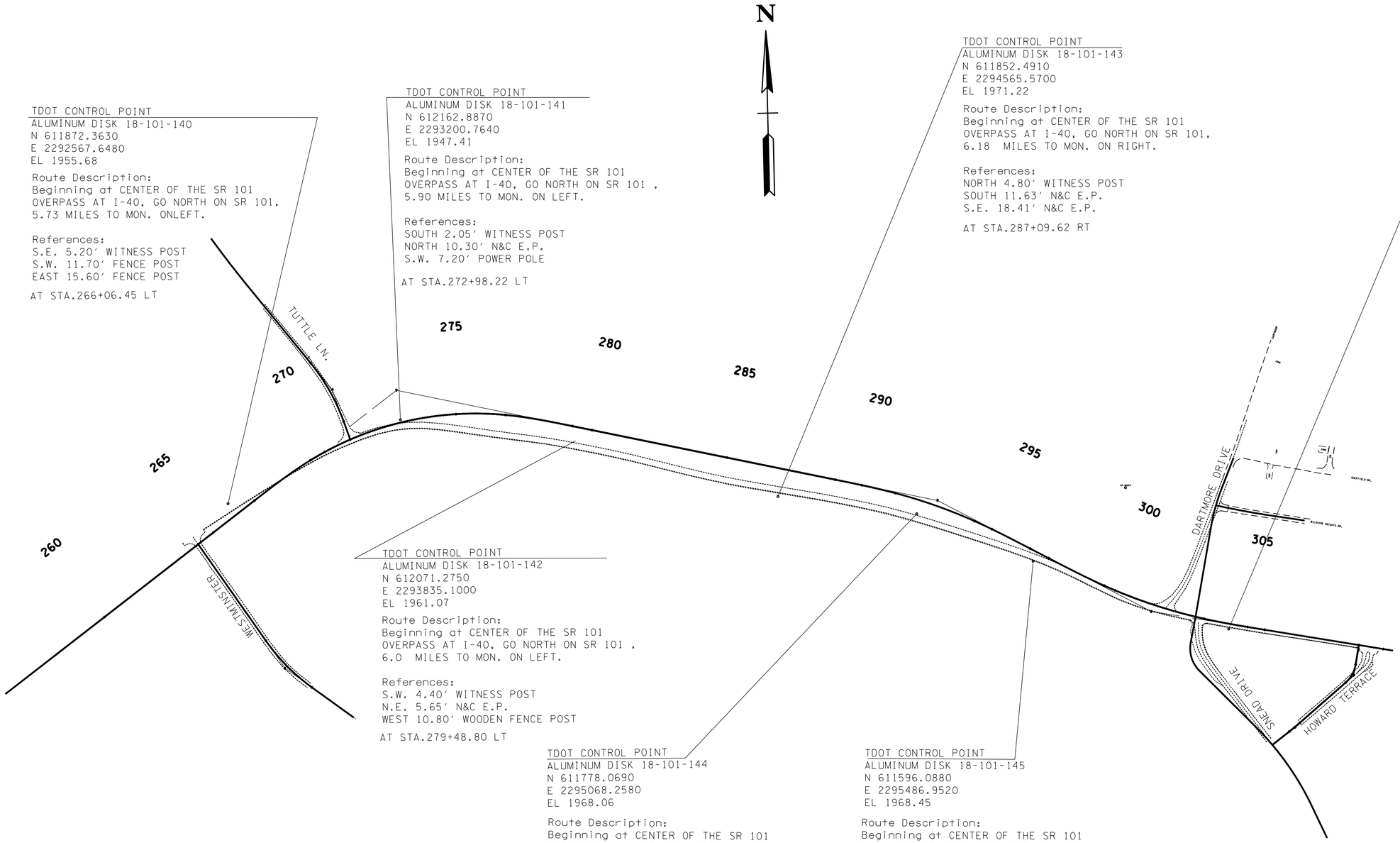
AT STA.287+09.62 RT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-146
N 611333.3420
E 2296191.3980
EL 1961.71

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

References:
NORTH 2.25′ WITNESS POST
SOUTH 5.10′ N&C E.P.
N.E. 18.00′ 18″ HICKORY

AT STA.304+34.32 RT



TDOT CONTROL POINT
ALUMINUM DISK 18-101-142
N 612071.2750
E 2293835.1000
EL 1961.07

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

References:
S.W. 4.40′ WITNESS POST
N.E. 5.65′ N&C E.P.
WEST 10.80′ WOODEN FENCE POST

AT STA.279+48.80 LT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-144
N 611778.0690
E 2295068.2580
EL 1968.06

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

References:
S.W. 6.25′ WITNESS POST
N.E. 4.20′ N&C E.P.
WEST 14.70′ METAL T-POST

AT STA.292+22.17 RT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-145
N 611596.0880
E 2295486.9520
EL 1968.45

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

References:
N.E. 3.00′ WITNESS POST
S.W. 3.15′ N&C E.P.
EAST 25.40′ 6″ DOGWOOD

AT STA.296+86.70 RT

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REFERENCE CONTROL POINTS

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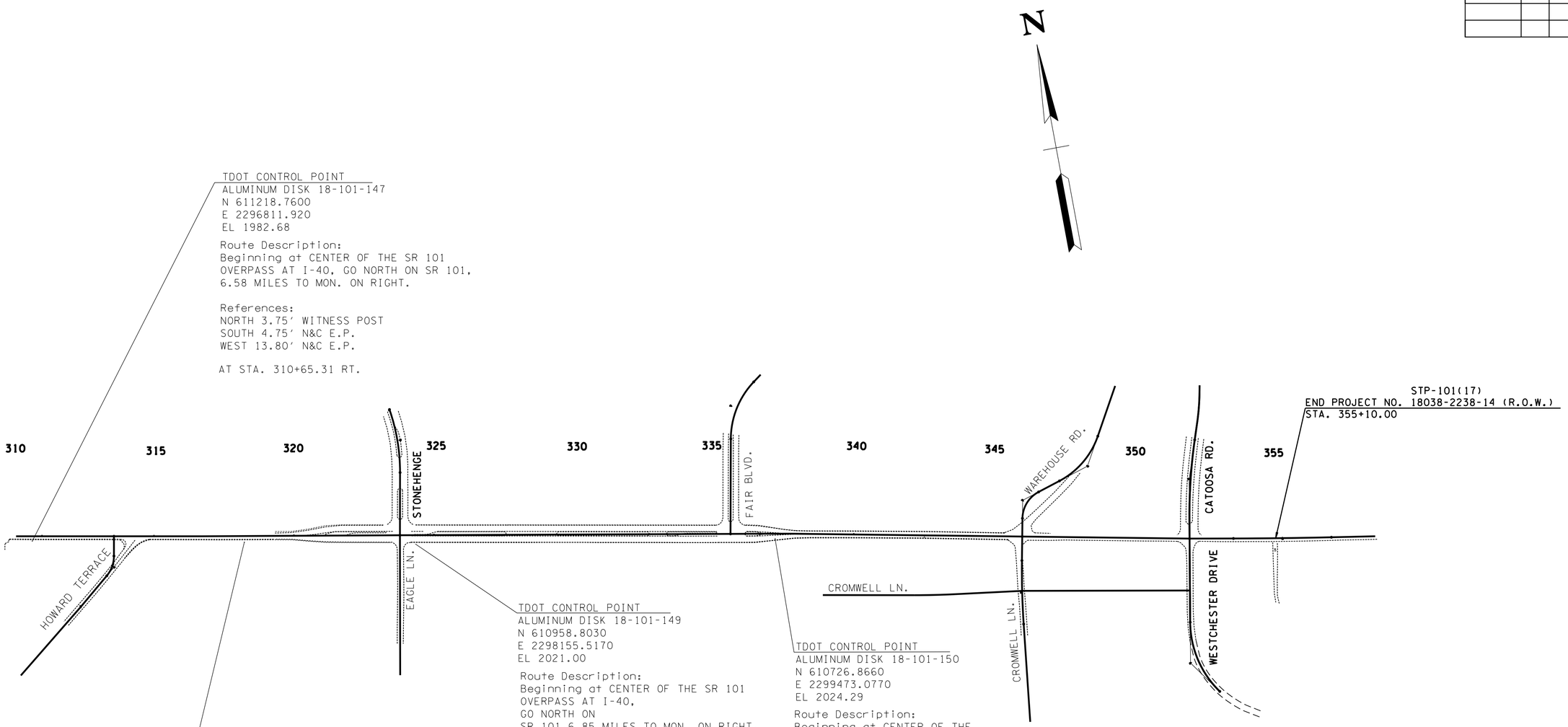
Survey & Design Division

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	3M
CONST	2016	STP-101(17)	3M

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



TDOT CONTROL POINT
ALUMINUM DISK 18-101-147
N 611218.7600
E 2296811.920
EL 1982.68

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

References:
NORTH 3.75′ WITNESS POST
SOUTH 4.75′ N&C E.P.
WEST 13.80′ N&C E.P.

AT STA. 310+65.31 RT.

TDOT CONTROL POINT
ALUMINUM DISK 18-101-148
N 611076.4290
E 2297556.2530
EL 2018.74

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

References:
NORTH 3.48′ WITNESS POST
SOUTH 8.35′ N&C E.P.
S.W. 20.50′ N&C E.P.
AT STA.318+22.67 RT

TDOT CONTROL POINT
ALUMINUM DISK 18-101-149
N 610958.8030
E 2298155.5170
EL 2021.00

Route Description:
Beginning at CENTER OF THE SR 101
OVERPASS AT I-40,
GO NORTH ON
SR 101,6.85 MILES TO MON. ON RIGHT.

References:
NORTH 16.70′ WITNESS POS
SOUTH 5.00′ N&C E.P.
N.E. 21.50′ TOP FIRE HYDRANT
AT STA. 324+33.42 RT.

TDOT CONTROL POINT
ALUMINUM DISK 18-101-150
N 610726.8660
E 2299473.0770
EL 2024.29

Route Description:
Beginning at CENTER OF THE
SR 101 OVERPASS AT I-40,
GO NORTH ON SR 101, 7.10
MILES TO MON. ON RIGHT.

References:
NORTH 4.93′ WITNESS POST
SOUTH 5.40′ N&C E.P.
WEST 18.20′ N&C E.P.
AT STA. 337+18.81 RT.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

REFERENCE CONTROL POINTS

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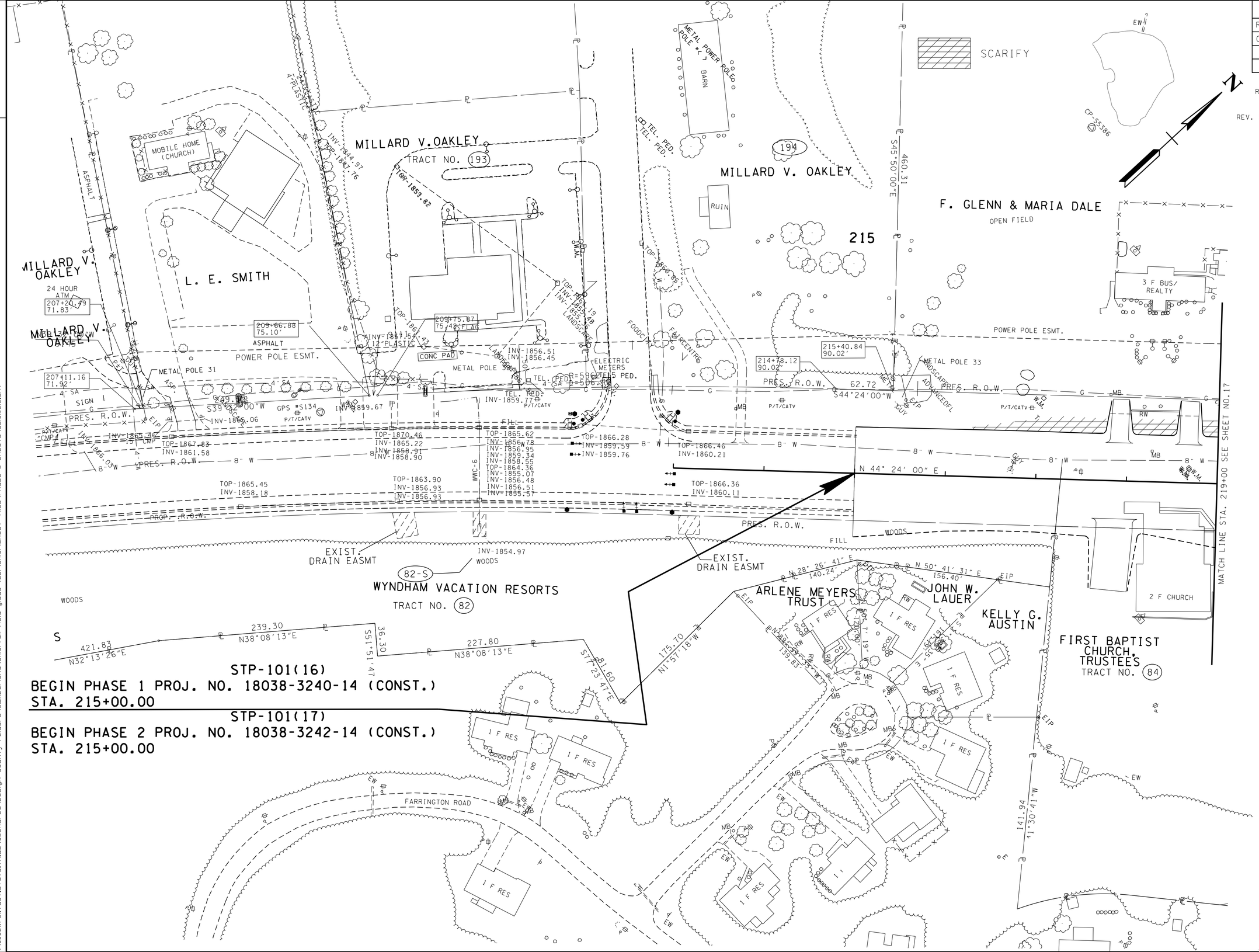
Survey & Design Division

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	16
CONST.	2016	STP-101(17)	16

REV. 04-10-13: ADDED SHEET

REV. 06-27-16: REVISED SHEET PER CONST REQ.



STP-101(16)
BEGIN PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STA. 215+00.00

STP-101(17)
BEGIN PHASE 2 PROJ. NO. 18038-3242-14 (CONST.)
STA. 215+00.00

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CONSTRUCTABILITY FIELD REVIEW

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

PRESENT LAYOUT

STA. 206+00 TO STA. 219+00

SCALE: 1" = 50'

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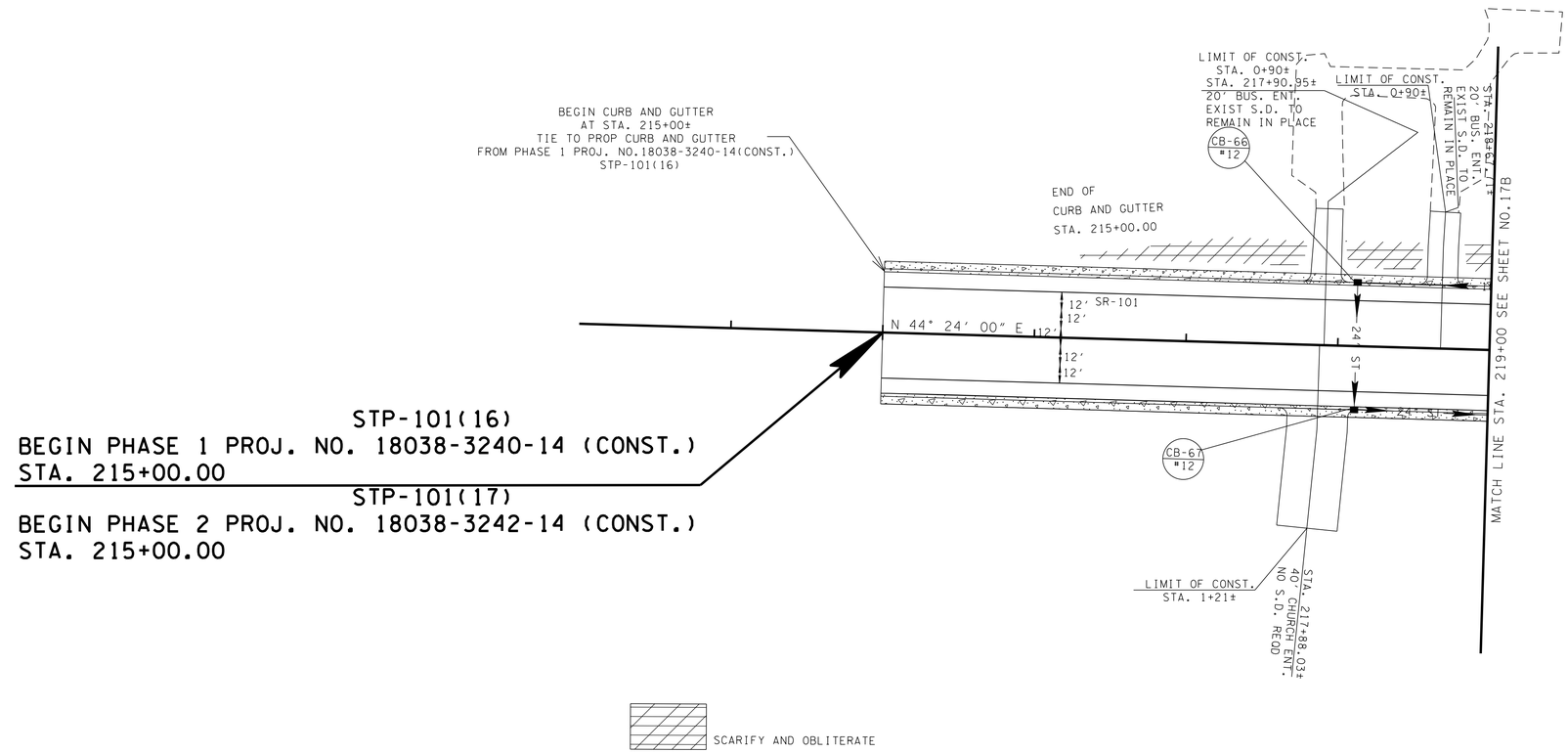
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	16B
CONST.	2016	STP-101(17)	16B

REV. 04-10-13: ADDED SHEET.
REV. 09-05-14: ADDED CB TABLE. UPDATED NOTE FOR CURB AND GUTTER.

REV. 06-27-16: REVISED SHEET PER CONST REQ.



Sheet No.	LT	RT	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
16B		X	CB-67	SR101	218+12	42	1866.01 (CB-66)	1870.46	1866.00
16B	X		CB-66	SR101	218+12	-42	1866.83 (CB-204)	1870.46	1866.33

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CONSTRUCTABILITY FIELD REVIEW

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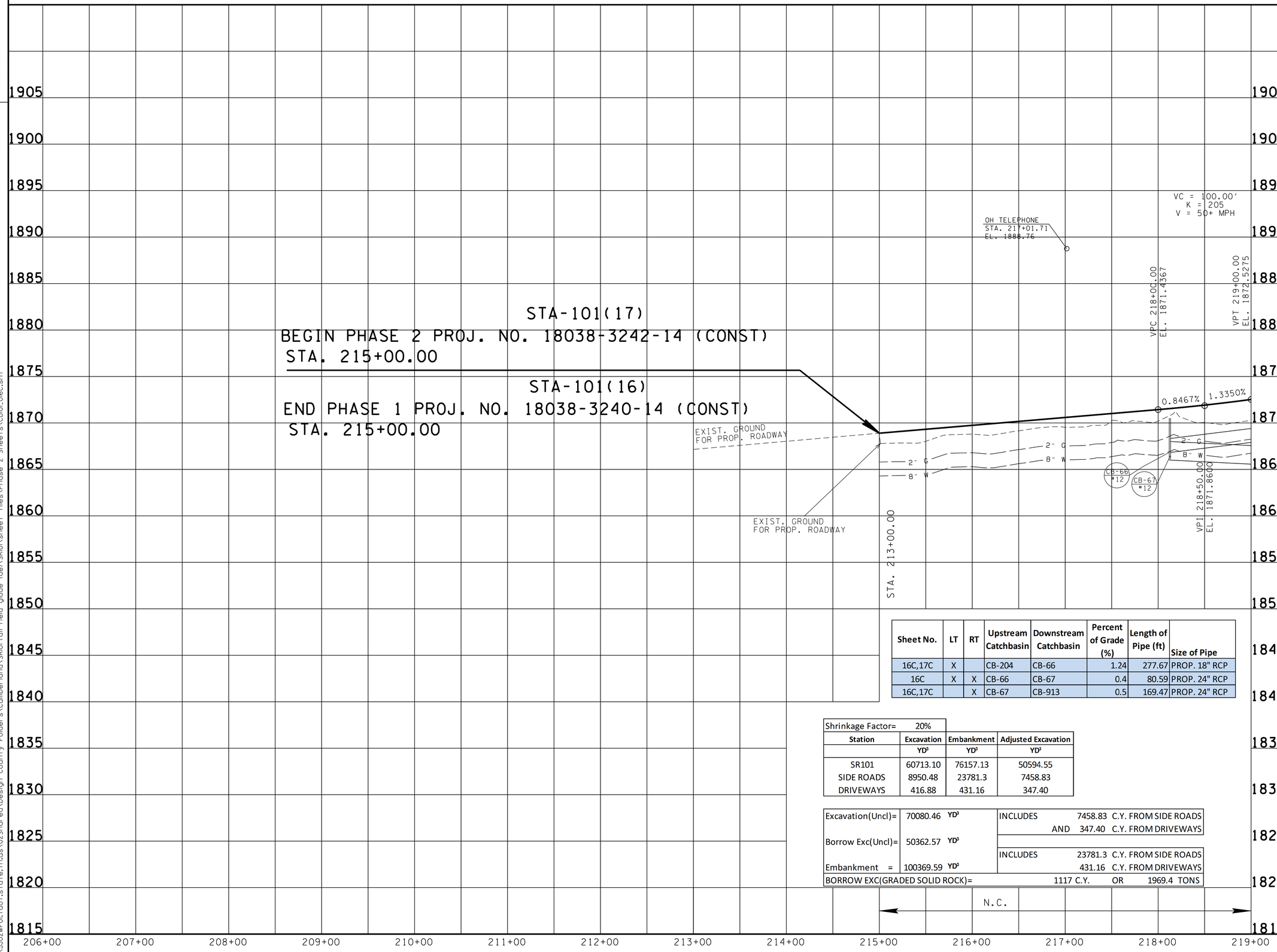
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	16C
CONST.	2016	STP-101(17)	16C

REV. 04-10-13: ADDED SHEET.
REV. 09-05-14: ADDED PIPE TABLE.
REV. 05-26-15: ADDED GRADING QTYS.
REV. 10-29-15: REVISED GRADING QTYS.
REV. 06-27-16: REVISED PROP DRAIN PER CONST REQ.



Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
16C,17C	X		CB-204	CB-66	1.24	277.67	PROP. 18" RCP
16C	X	X	CB-66	CB-67	0.4	80.59	PROP. 24" RCP
16C,17C		X	CB-67	CB-913	0.5	169.47	PROP. 24" RCP

Shrinkage Factor= 20%

Station	Excavation	Embankment	Adjusted Excavation
	YD³	YD³	YD³
SR101	60713.10	76157.13	50594.55
SIDE ROADS	8950.48	23781.3	7458.83
DRIVEWAYS	416.88	431.16	347.40

Excavation(Uncl)=	70080.46 YD³	INCLUDES	7458.83 C.Y. FROM SIDE ROADS
		AND	347.40 C.Y. FROM DRIVEWAYS
Borrow Exc(Uncl)=	50362.57 YD³		
Embankment =	100369.59 YD³	INCLUDES	23781.3 C.Y. FROM SIDE ROADS
			431.16 C.Y. FROM DRIVEWAYS
BORROW EXC(GRADED SOLID ROCK)=		1117 C.Y.	OR 1969.4 TONS

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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.

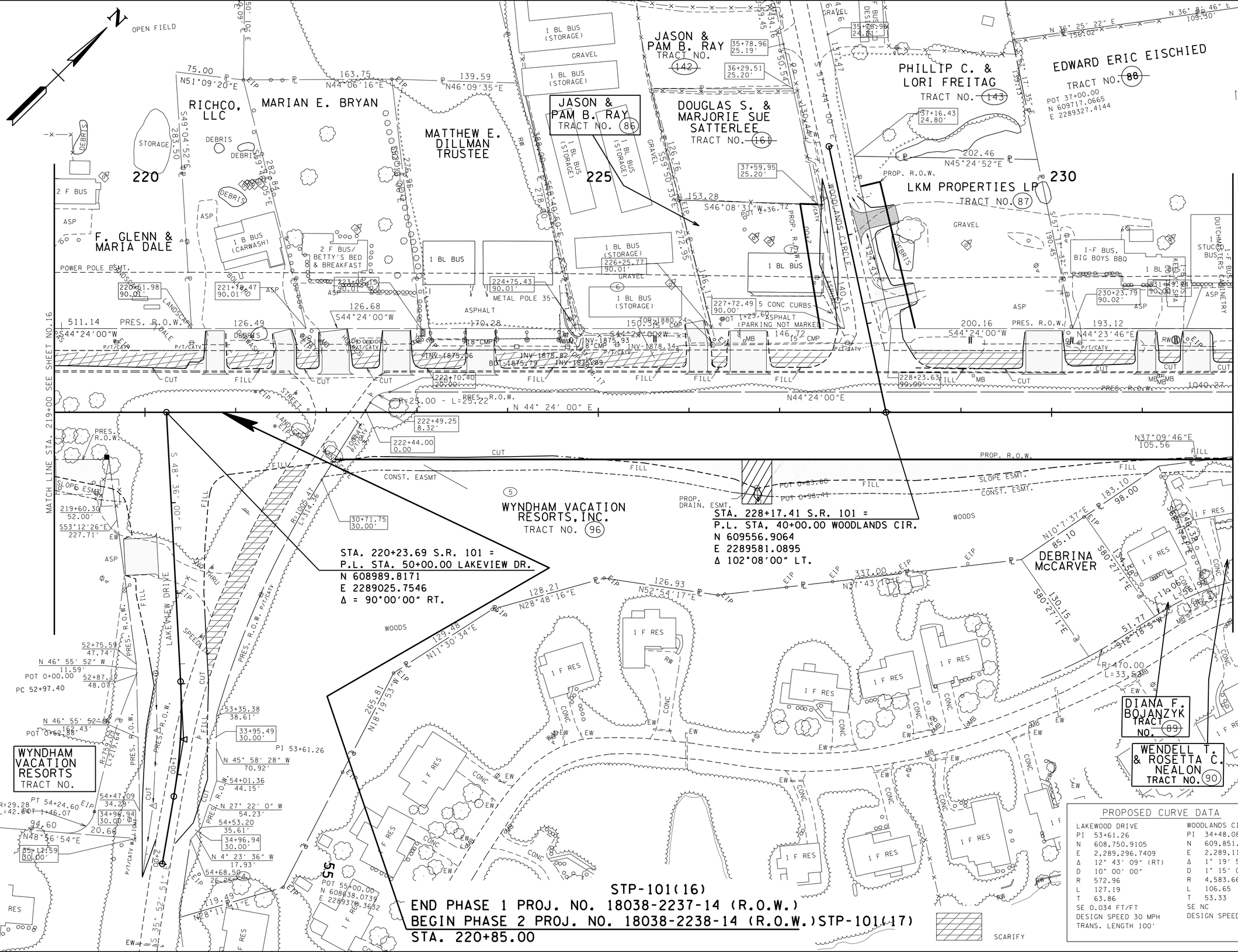
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	17
CONST.	2016	STP-101(17)	17

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).
PHASE 2 REV. 04-10-13: REMOVED PHASE 1. UPDATED SHEET FOR PHASE 2.
REV. 02-05-15: ADDED 40' BUS ENT AT STA 38+00 WOODLAND CIRCLE.
REV. 03-23-15: REMOVED 40' BUS ENT AT STA 38+00 WOODLAND CIRCLE PER ROW REQ.
REV. 09-17-15: UPDATE NORTHING ON LAKEVIEW DR PER SURVEY REQ.
REV. 01-05-16: REVISED PROPERTY OWNERS NAME ON TRACT 96 PER ROW REQ.



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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

PRESENT LAYOUT

STA. 219+00 TO STA. 232+00

SCALE: 1"= 50'

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		SE NC	
DESIGN SPEED 30 MPH		DESIGN SPEED 25 MPH	
TRANS. LENGTH 100'			

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	17A
CONST	2016	STP-101(17)	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. 04-10-13: REMOVED PHASE 1. UPDATED SHEET TO PHASE 2. REVISE DRAIN EASMT ON TRACT 96.

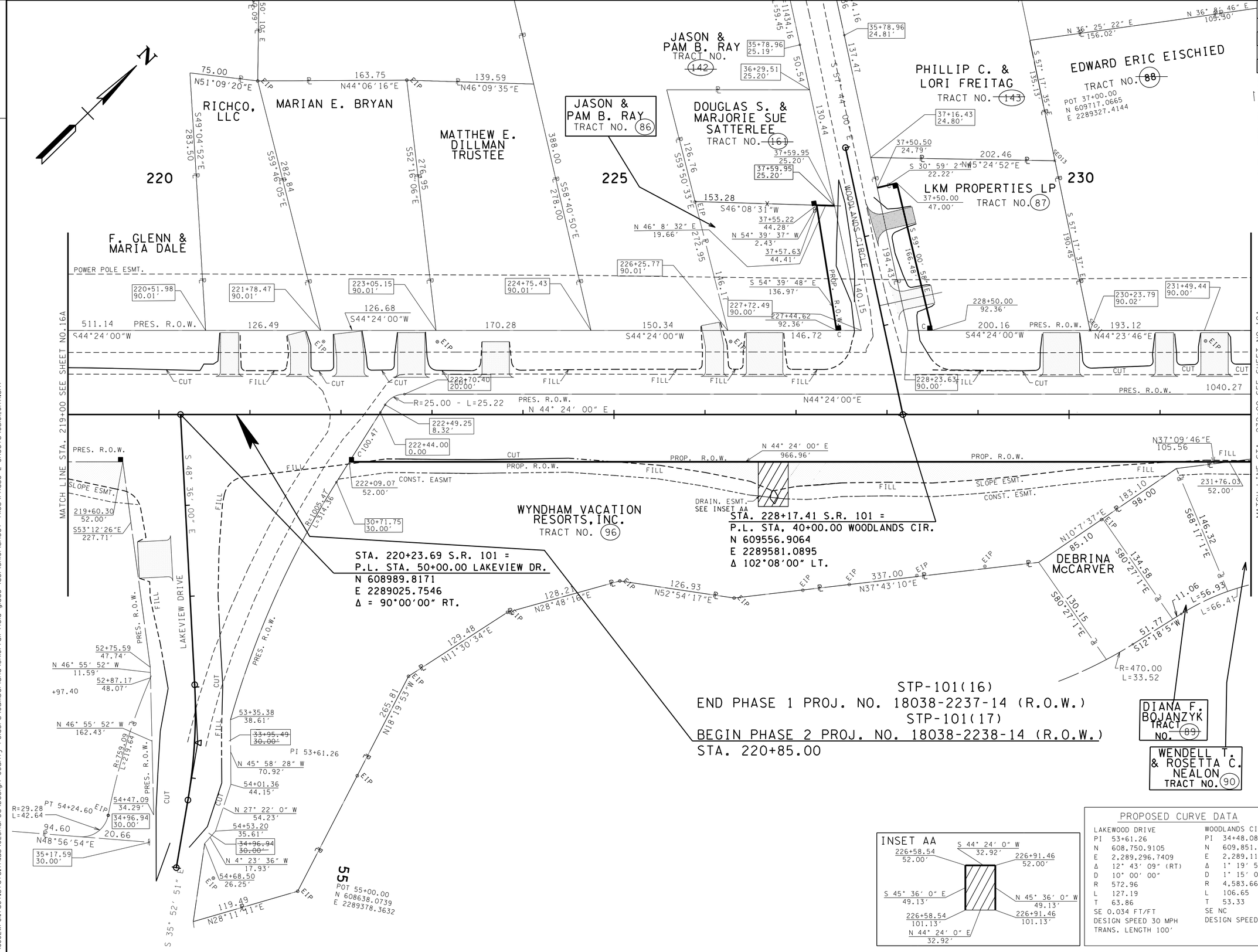
REV. 02-05-15: ADDED 40' BUS ENT AT STA 38+00 WOODLAND CIRCLE.

REV. 03-23-15: REMOVED 40' BUS ENT AT STA 38+00 WOODLAND CIRCLE PER ROW REQ.

REV. 09-17-15: UPDATE NORTHING ON LAKEVIEW DR PER SURVEY REQ.

REV. 01-05-16:REVISED PROPERTY OWNERS NAME ON TRACT 96 PER ROW REQ.

REV. 06-27-16:REVISED END PHASE.



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		SE NC	
DESIGN SPEED 30 MPH		DESIGN SPEED 25 MPH	
TRANS. LENGTH 100'			

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CONSTRUCTABILITY FIELD REVIEW

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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.	2011	STP-101(17)	17B
CONST	2016	STP-101(17)	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.

PHASE 2 REV. 04-10-13: REMOVED PHASE 1. ADDED CATCHBASIN TABLE. UPDATED FOR PHASE 2. ADDED SPECIAL DITCHS. ADDED SCARIFICATION. ADDED SPECIAL DITCH PROFILE AT EW-212. ADDED RIP RAP DETAIL AT EW-212.

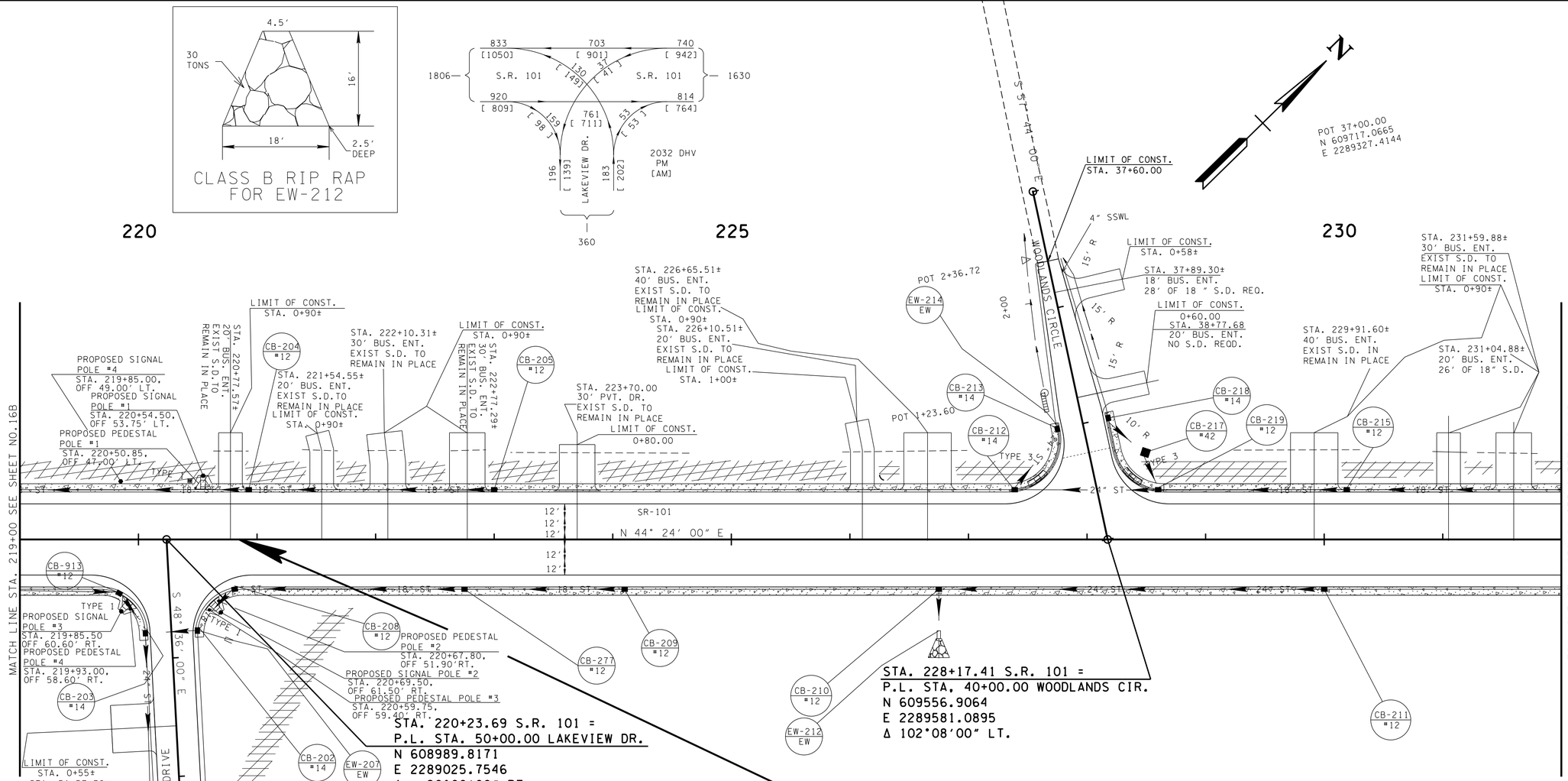
REV. 09-05-14: REVISED CB TABLE. ADDED SIGNAL POLES.

REV. 02-05-15: ADDED 40' BUS ENT AT STA 38+00 WOODLAND CIRCLE.

REV. 03-23-15: REMOVED 40' BUS ENT AT STA 38+00 WOODLAND CIRCLE PER ROW REQ.

REV. 09-17-15: UPDATE NORTHING ON LAKEVIEW DR PER SURVEY REQ.

REV. 06-27-16: REVISED PROP DRAIN PER CONST REQ.



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

Sheet No.	LT	RT	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
17B		X	EW-201	LAKEVIEW DR	52+87.00	26.85			1861.95
17B	X		CB-203	LAKEVIEW DR	50+78.00	21	1864.96 (CB-913) 1864.68 (CB-202)	1873.89	1864.18
17B	X		CB-202	LAKEVIEW DR	50+78.00	-21	1864.84 (EW-207) 1869.15 (CB-208)	1873.92	1864.84
17B		X	CB-913	SR101	219+84.25	44.5	1865.15 (CB-67)	1865.1	1865.15
17B	X		EW-207	LAKEVIEW DR	50+86.00	-45.06			1865.53
17B		X	CB-208	SR101	220+81.00	42	1870.10 (CB-277)	1873.86	1870.00
17B	X		CB-204	SR101	220+93.00	-42	1870.27 (CB-205)	1874.02	1870.27
17B		X	CB-277	SR101	222+75.00	42	1872.60 (CB-209)	1876.45	1872.6
17B	X		CB-205	SR101	223+00.00	-42		1876.78	1873.03
17B		X	CB-209	SR101	224+10.00	42		1878.25	1874.5
17B		X	EW-212	SR101	226+75.00	76.96			1872.47
17B		X	CB-210	SR101	226+75.00	42	1877.50 (CB-211)	1881.79	1874.14
17B		X	CB-211	SR101	230+00.00	42		1884.51	1880.26
17B		X	EW-214	WOODLAND CIR	38+84.00	28			1877.43
17B		X	CB-213	WOODLAND CIR	39+00.00	21	1877.48 (CB-212)	1883.27	1877.48
17B	X		CB-212	SR101	227+39.00	-42	1877.72 (CB-219)	1882.64	1877.72
17B	X		CB-219	SR101	228+60.00	-42	1878.18 (CB-217) 1880.18 (CB-215)	1883.93	1878.18
17B	X		CB-217	WOODLAND CIR	39+35.05	-46.53	1878.29 (CB-218)	1882.8	1878.29
17B	X		CB-215	SR101	230+19.00	-42	1878.29 (CB-220)	1884.55	1880.80
17B	X		CB-218	WOODLAND CIR	39+00.00	-21		1883.31	1878.84

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		SE NC	
DESIGN SPEED 30 MPH		DESIGN SPEED 25 MPH	
TRANS. LENGTH 100'			

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CONSTRUCTABILITY FIELD REVIEW

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. 219+00 TO STA. 232+00

SCALE: 1"= 50'

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

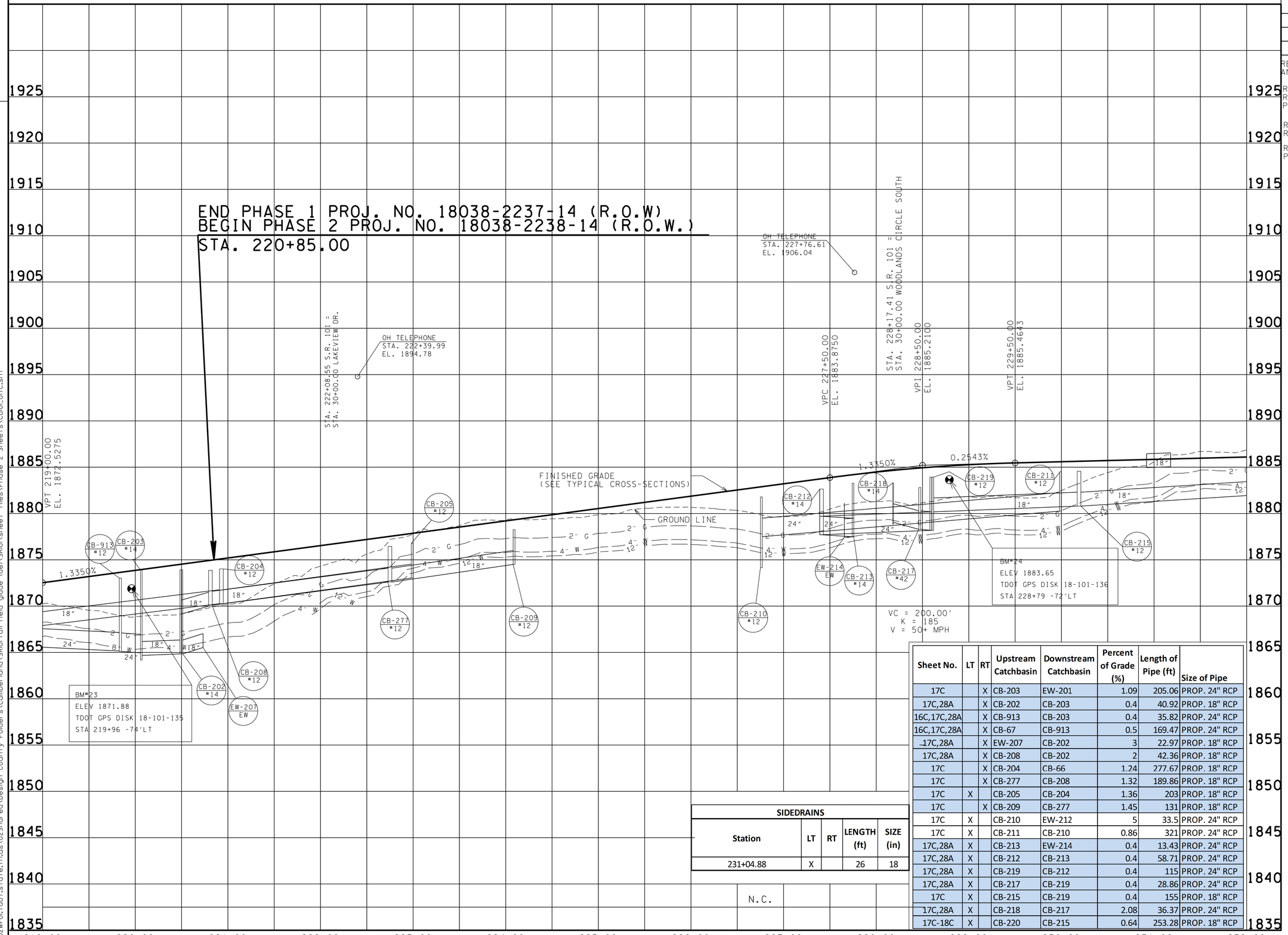
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	17C
CONST	2016	STP-101(17)	17C

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

REV. 04-10-13- ADDED PIPE TABLE. REVISE STORM SYSTEM. REMOVE PHASE 1 FROM SHEET.

REV. 09-05-14- ADDED SD TABLE AND REVISED PIPE TABLE.

REV. 06-27-16- REVISED PROP DRAIN PER CONST REQ.



SIDEDRAINS

Station	LT	RT	LENGTH (ft)	SIZE (in)
231+04.88	X		26	18

Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
17C		X	CB-203	EW-201	1.09	205.06	PROP. 24" RCP
17C,28A		X	CB-202	CB-203	0.4	40.92	PROP. 18" RCP
16C,17C,28A		X	CB-913	CB-203	0.4	35.82	PROP. 24" RCP
16C,17C,28A		X	CB-67	CB-913	0.5	169.47	PROP. 24" RCP
17C,28A		X	EW-207	CB-202	3	22.97	PROP. 18" RCP
17C,28A		X	CB-208	CB-202	2	42.36	PROP. 18" RCP
17C		X	CB-204	CB-66	1.24	277.67	PROP. 18" RCP
17C		X	CB-277	CB-208	1.32	189.86	PROP. 18" RCP
17C	X		CB-205	CB-204	1.36	203	PROP. 18" RCP
17C		X	CB-209	CB-277	1.45	131	PROP. 18" RCP
17C	X		CB-210	EW-212	5	33.5	PROP. 24" RCP
17C	X		CB-211	CB-210	0.86	321	PROP. 24" RCP
17C,28A	X		CB-213	EW-214	0.4	13.43	PROP. 24" RCP
17C,28A	X		CB-212	CB-213	0.4	58.71	PROP. 24" RCP
17C,28A	X		CB-219	CB-212	0.4	115	PROP. 24" RCP
17C,28A	X		CB-217	CB-219	0.4	28.86	PROP. 24" RCP
17C	X		CB-215	CB-219	0.4	155	PROP. 18" RCP
17C,28A	X		CB-218	CB-217	2.08	36.37	PROP. 24" RCP
17C-18C	X		CB-220	CB-215	0.64	253.28	PROP. 18" RCP

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CONSTRUCTABILITY FIELD REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 219+00 TO STA. 232+00

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

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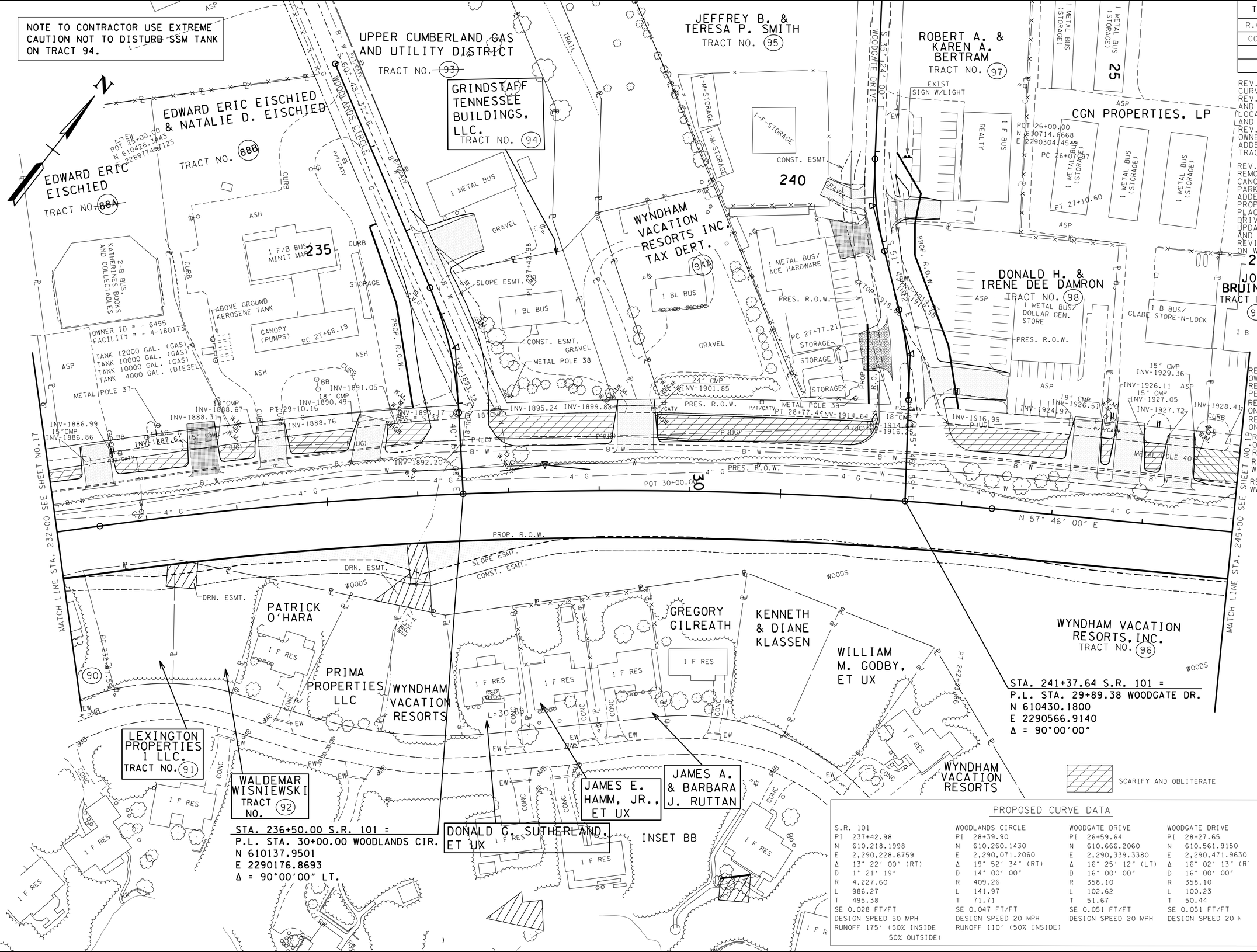
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	18
CONST	2016	STP-101(17)	18

REV. 10-26-11: CORRECTED MAINLINE CURVE DATA.
REV. 2-29-12: LOCATED SEPTIC TANK AND SEWER METERS ON TRACT 94. LOCATED PARKING SPACES ON TRACT 97 AND 98.
REV. 6-15-12: CORRECTED PROPERTY OWNER NAME ON TRACTS 88 AND 95. ADDED BUILDINGS AND PARKING LOT TO TRACT 95.
REV. 09-12-12: ADDED WWC-7. REMOVED STORAGE TANKS AND CANOPY AT STA. 245+00±. ADDED PARKING SPACES TO TRACT 95 ADDED NOTE. REVISED ALIGNMENT, PROP ROW ON WOODLAND CIRCLE. PLACED LINE THRU TRACT 93. REVISED DRIVEWAYS ON TRACT 98 AND 99. UPDATED TRACT OWNERS ON TRACT 93 AND 94. ADDED TRACTS 94A, 88A, 88B REVISED DRIVEWAYS AND PROP ROW ON WOODGATE DRIVE.
REV. 10-26-12: ADDED EXIST. SIGN W/LIGHT TO TRACT 97.
REV. 04-10-13: ADDED DRAIN EASMT TO TRACT 96
REV. 09-05-14: REMOVED SEGMENT OF WWC-7 PER ENV REQ. REVISED DRIVEWAY ON TRACT 95.
REV. 01-07-15: REVISED PROPERTY OWNER NAME FOR TRACT 88-B PER ROW REQ.
REV. 04-14-15: REVISED PROPERTY OWNER NAME FOR TRACT 92 & 94. REMOVED DRIVEWAY AT STA 245± PER ROW REQ.
REV. 05-26-15: REVISED DRIVEWAY ON TRACT 95 PER ROW REQ.
REV. 09-17-15:UPDATE N E ON WOODLAND CIR PER SURVEY REQ.
REV. 01-05-16:REVISED PROPERTY OWNERS NAME ON TRACT 96 PER ROW REQ.
REV. 05-09-16:REVISED WWC-7 TO WWC-7/EPH-A PER ECOLOGY REQ.
REV. 05-27-16:REVISED WWC-7/EPH-A PER PERMIT REQ.

NOTE TO CONTRACTOR USE EXTREME CAUTION NOT TO DISTURB SSM TANK ON TRACT 94.



PROPOSED CURVE DATA

S.R. 101	WOODLANDS CIRCLE	WOODGATE DRIVE	WOODGATE DRIVE
PI 237+42.98	PI 28+39.90	PI 26+59.64	PI 28+27.65
N 610,218.1998	N 610,260.1430	N 610,666.2060	N 610,561.9150
E 2,290,228.6759	E 2,290,071.2060	E 2,290,339.3380	E 2,290,471.9630
Δ 13° 22' 00" (RT)	Δ 19° 52' 34" (RT)	Δ 16° 25' 12" (LT)	Δ 16° 02' 13" (R
D 1° 21' 19"	D 14° 00' 00"	D 16° 00' 00"	D 16° 00' 00"
R 4,227.60	R 409.26	R 358.10	R 358.10
L 986.27	L 141.97	L 102.62	L 100.23
T 495.38	T 71.71	T 51.67	T 50.44
SE 0.028 FT/FT	SE 0.047 FT/FT	SE 0.051 FT/FT	SE 0.051 FT/FT
DESIGN SPEED 50 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 M
RUNOFF 175' (50% INSIDE 50% OUTSIDE)	RUNOFF 110' (50% INSIDE)		

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CONSTRUCTABILITY FIELD REVIEW

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATIO

PRESENT LAYOUT

STA. 232+00 TO STA. 245+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.	2011	STP-101(17)	18A
CONST	2016	STP-101(17)	18A

REV. 10-26-11: CORRECTED MAINLINE CURVE DATA. CHANGED PROP. R.O.W. STATION/OFFSETS & BEARING/DISTANCE ALONG RIGHT SIDE OF MAINLINE.
REV. 6-15-12: CORRECTED LABELS FOR RIGHT OF WAY LINE IN INSET BB. CORRECTED PROPERTY OWNER NAME FOR TRACTS 88 AND 95. CORRECTED DISTANCE LABEL ON PROP. R.O.W. ON TRACT 97. LABELED STATION/OFFSET FOR PRES. R.O.W. ON TRACT 91.

REV. 09-12-12: ADDED CONST EASMT AND SLOPE EASMT TO TRACT 94. REMOVED PROPOSED ROW TO TRACT 93 AND 94. REVISED DRIVEWAYS ON TRACT 98 AND 99 PLACED LINE THRU TRACT 93. REVISED DRIVEWAYS ON TRACT 98 AND 99. UPDATED TRACT OWNERS ON TRACT 93 AND 94. ADDED TRACTS 94A, 88A, 88B. REVISED DRIVEWAYS AND PROP ROW ON WOODGATE DRIVE.

REV. 04-10-13: ADDED DRAIN EASMT TO TRACT 96.

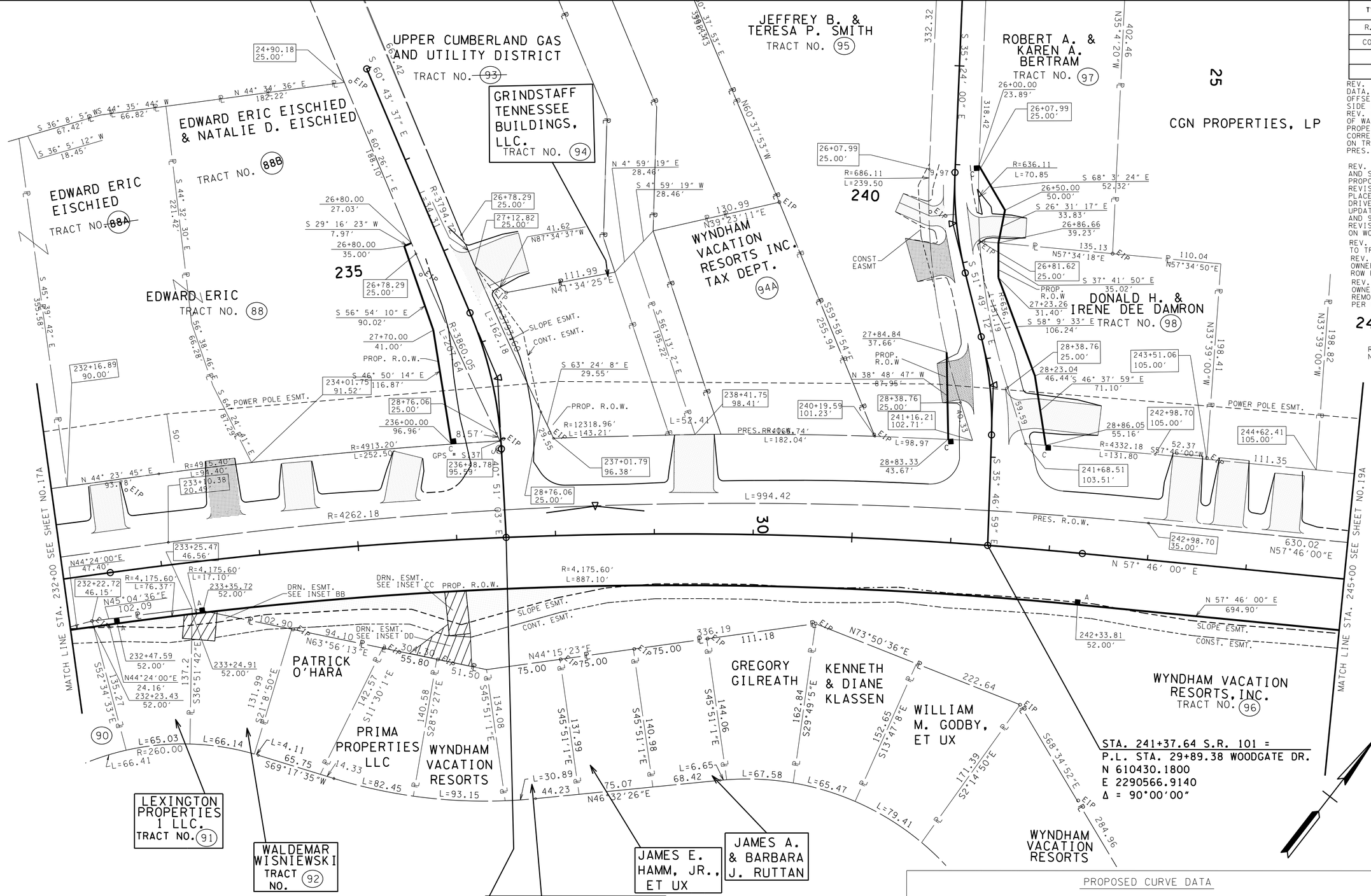
REV. 01-07-15: REVISED PROPERTY OWNER NAME FOR TRACT 88-B PER ROW REQ.

REV. 04-14-15: REVISED PROPERTY OWNER NAME FOR TRACT 92 & 94. REMOVED DRIVEWAY AT STA 245± PER ROW REQ.

REV. 05-26-15: REVISED DRIVEWAY ON TRACT 95 PER ROW REQ.

REV. 09-17-15:UPDATE N E ON WOODLAND CIR PER SURVEY REQ.

REV. 01-05-16:REVISED PROPERTY OWNERS NAME ON TRACT 96 PER ROW REQ.



PROPOSED CURVE DATA

S.R. 101	WOODLANDS CIRCLE	WOODGATE DRIVE	WOODGATE DRIVE
PI 237+42.98	PI 28+39.90	PI 26+59.64	PI 28+27.65
N 610,218.1951	N 610,260.1430	N 610,666.2060	N 610,561.9150
E 2,290,228.6794	E 2,290,071.2060	E 2,290,339.3380	E 2,290,471.9630
Δ 13° 21′ 55″ (RT)	Δ 19° 52′ 34″ (RT)	Δ 16° 25′ 12″ (LT)	Δ 16° 02′ 13″ (RT)
D 1° 21′ 19″	D 14° 00′ 00″	D 16° 00′ 00″	D 16° 00′ 00″
R 4,227.60	R 409.26	R 358.10	R 358.10
L 986.17	L 141.97	L 102.62	L 100.23
T 495.33	T 71.71	T 51.67	T 50.44
SE 0.028 FT/FT	SE 0.047 FT/FT	SE 0.051 FT/FT	SE 0.051 FT/FT
DESIGN SPEED 50 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH
RUNOFF 175′ (50% INSIDE 50% OUTSIDE)	RUNOFF 110′ (50% INSIDE)		

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CONSTRUCTABILITY FIELD REVIEW

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. 232+00 TO STA. 245+00

SCALE: 1"= 50'

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

NOTE TO CONTRACTOR USE EXTREME CAUTION NOT TO DISTURB SSM TANK ON TRACT 94.

PROPOSED CURVE DATA

S.R. 101	WOODLANDS CIRCLE	WOODGATE DRIVE	WOODGATE DRIVE
PI 237+42.98	PI 28+39.90	PI 26+59.64	PI 28+27.65
N 610,218.1951	N 610,260.1430	N 610,666.2060	N 610,561.9150
E 2,290,228.6794	E 2,290,071.2060	E 2,290,339.3380	E 2,290,471.9630
Δ 13° 21′ 55″ (RT)	Δ 19° 52′ 34″ (RT)	Δ 16° 25′ 12″ (LT)	Δ 16° 02′ 13″ (RT)
D 1° 21′ 19″	D 14° 00′ 00″	D 16° 00′ 00″	D 16° 00′ 00″
R 4,227.60	R 409.26	R 358.10	R 358.10
L 986.17	L 141.97	L 102.62	L 100.23
T 495.33	T 71.71	T 51.67	T 50.44
SE 0.028 FT/FT	SE 0.047 FT/FT	SE 0.051 FT/FT	SE 0.051 FT/FT
DESIGN SPEED 50 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH
RUNOFF 175′ (50% INSIDE 50% OUTSIDE)	RUNOFF 110′ (50% INSIDE)		

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	18B
CONST	2016	STP-101(17)	18B

REV. 10-26-11: CORRECTED MAINLINE CURVE DATA.

REV. 09-12-12: ADDED PAVEMENT MARKINGS. REVISED DRIVEWAY AT STA. 243+30.49, 243+77.92, & 244+35.37. ADDED NOTE. REVISED DRIVEWAYS, ADDED CURB TO WOODGATE DRIVE.

REV. 09-13-12: ADDED 4″ SSWL PAVEMENT MARKINGS.

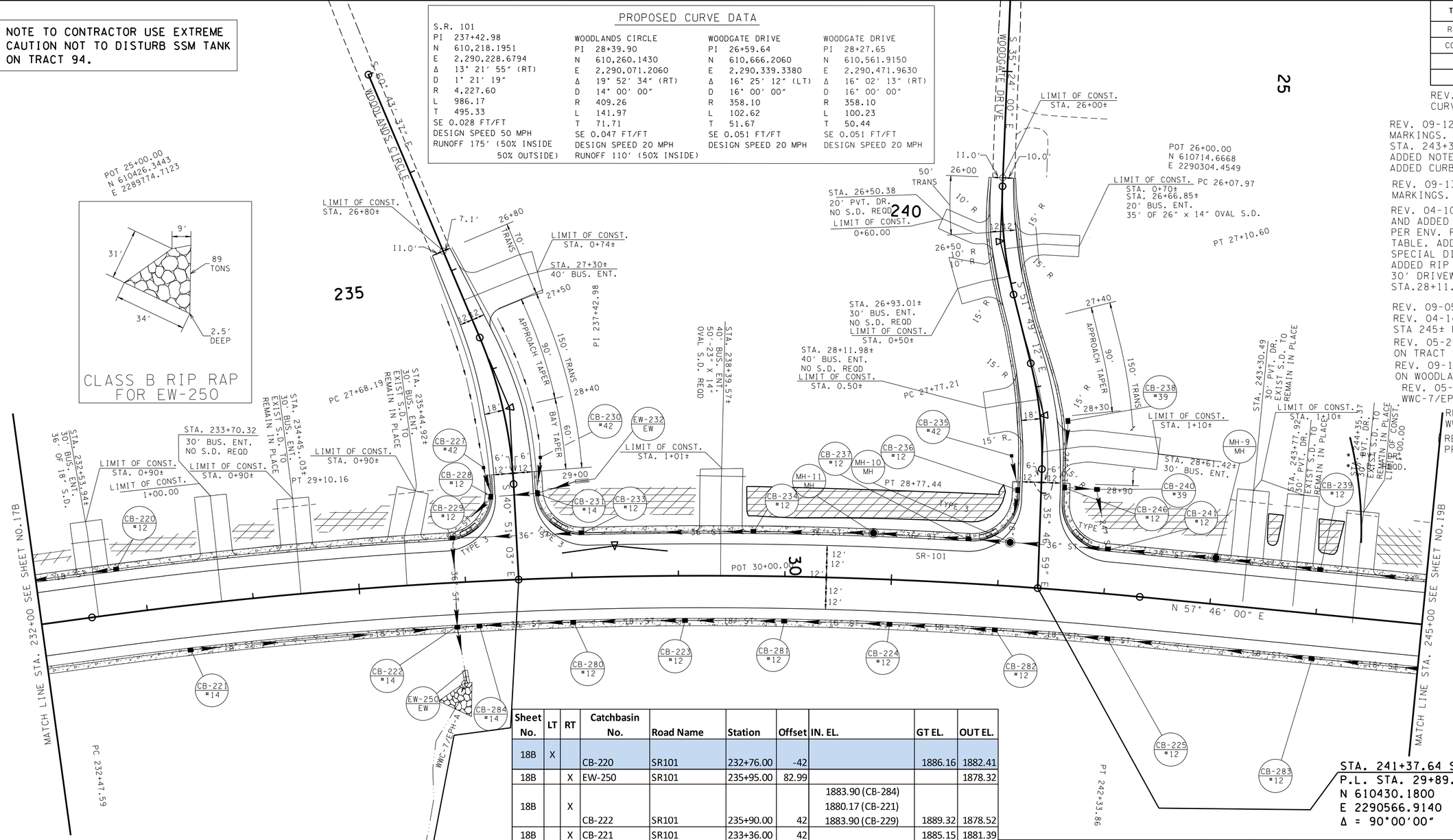
REV. 04-10-13: DESIGN STORM SYSTEM AND ADDED LABELING. ADDED WWC-7 PER ENV. REQUEST. ADDED CATCHBASIN TABLE. ADD SCARIFICATION. ADDED SPECIAL DITCH PROFILE FOR EW-250. ADDED RIP RAP DETAIL FOR EW-250. REVISE 30′ DRIVEWAY TO 40′ DRIVEWAY AT STA.28+11.98 WOODGATE DR.

REV. 09-05-14: REVISED CB TABLE.
REV. 04-14-15: REMOVED DRIVEWAY AT STA 245± PER ROW REQ.

REV. 05-26-15: REVISED DRIVEWAY ON TRACT 95 PER ROW REQ.
REV. 09-17-15:UPDATE N E ON WOODLAND CIR PER SURVEY REQ.
REV. 05-09-16:REVISED WWC-7 TO WWC-7/EPH-A PER ECOLOGY REQ.

REV. 05-27-16:REVISED WWC-7/EPH-A PER PERMIT REQ.

REV. 06-27-16:REVISED PROP DRAIN PER CONST REQ.



Sheet No.	LT	RT	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
18B	X		CB-220	SR101	232+76.00	-42		1886.16	1882.41
18B		X	EW-250	SR101	235+95.00	82.99			1878.32
18B		X	CB-222	SR101	235+90.00	42	1883.90 (CB-284) 1880.17 (CB-221) 1883.90 (CB-229)	1889.32	1878.52
18B		X	CB-221	SR101	233+36.00	42		1885.15	1881.39
18B	X		CB-229	SR101	235+90.00	-42	1885.41 (CB-233)	1891	1884.52
18B		X	CB-284	SR101	236+11.00	42	1884.26 (CB-280)	1889.92	1884.02
18B	X		CB-228	WOOD CIR	29+21.00	21	1889.38 (CB-231) 1889.37 (CB-227)	1893.17	1886.4
18B	X		CB-233	SR101	237+10.00	-42	1889.40 (CB-234)	1895.00	1886.55
18B		X	CB-280	SR101	237+00.00	42	1888.92 (CB-223)	1892.93	1885.46
18B	X		CB-227	WOOD CIR	28+92.00	27		1892.99	1890.15
18B	X		CB-231	WOOD CIR	29+20.00	-21	1889.79 (EW-232) 1889.79 (CB-230)	1894.61	1889.79
18B	X		CB-234	SR101	238+70.00	-42	1896.55 (CB-237)	1902.07	1894.81
18B		X	CB-223	SR101	238+06.00	42	1893.69 (CB-281)	1897.44	1890.91
18B	X		CB-230	WOOD CIR	28+88.00	-27		1893.82	1890.36
18B		X	EW-232	WOOD CIR	29+11.00	-58			1890.50
18B	X		CB-237	SR101	240+70.00	-42	1905.43 (MH-10)	1911.27	1903.5
18B		X	CB-281	SR101	239+00.00	42	1898.02 (CB-224)	1901.77	1896.01
18B	X		CB-241	SR101	242+00.00	-42	1910.46 (CB-240) 1912.51 (MH-9)	1916.81	1898.6
18B	X		MH-10	SR101	241+08.91	-41.1	1907.25 (CB-236) 1905.75 (CB-241)	1913.72	1905.75

Sheet No.	LT	RT	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
18B	X		CB-236	WOODGATE	28+98.00	21	1910.42 (CB-235)	1914.89	1908.13
18B		X	CB-224	SR101	240+00.00	42	1902.62 (CB-282)	1906.37	1900.87
18B	X		CB-240	WOODGATE	28+94.73	-52.38	1911.65 (CB-246)	1919.14	1911.00
18B	X		CB-239	SR101	244+00.00	-42	1920.76 (CB-245)	1925.01	1918.13
18B		X	CB-235	WOODGATE	28+65.00	28.62		1913.56	1910.72
18B		X	CB-282	SR101	241+00.00	42	1907.20 (CB-225)	1910.97	1905.47
18B	X		CB-246	WOODGATE	28+94.00	-21	1911.95 (CB-238)	1916.77	1911.9
18B		X	CB-225	SR101	242+07.00	42	1912.42 (CB-283)	1916.13	1910.26
18B	X		CB-238	WOODGATE	28+34.40	-25.59		1915.79	1912.42
18B		X	CB-283	SR101	244+00.00	42	1921.07 (CB-226)	1925.01	1919.97
18B	X		MH-11	SR101	239+81.67	-43.14	1902.02 (CB-237)	1907.63	1898.67
18B	X		MH-9	SR101	243+01.46	-43.4	1916.46 (CB-239)	1921.07	1913.95

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CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 232+00 TO STA. 245+00

SCALE: 1″= 50′

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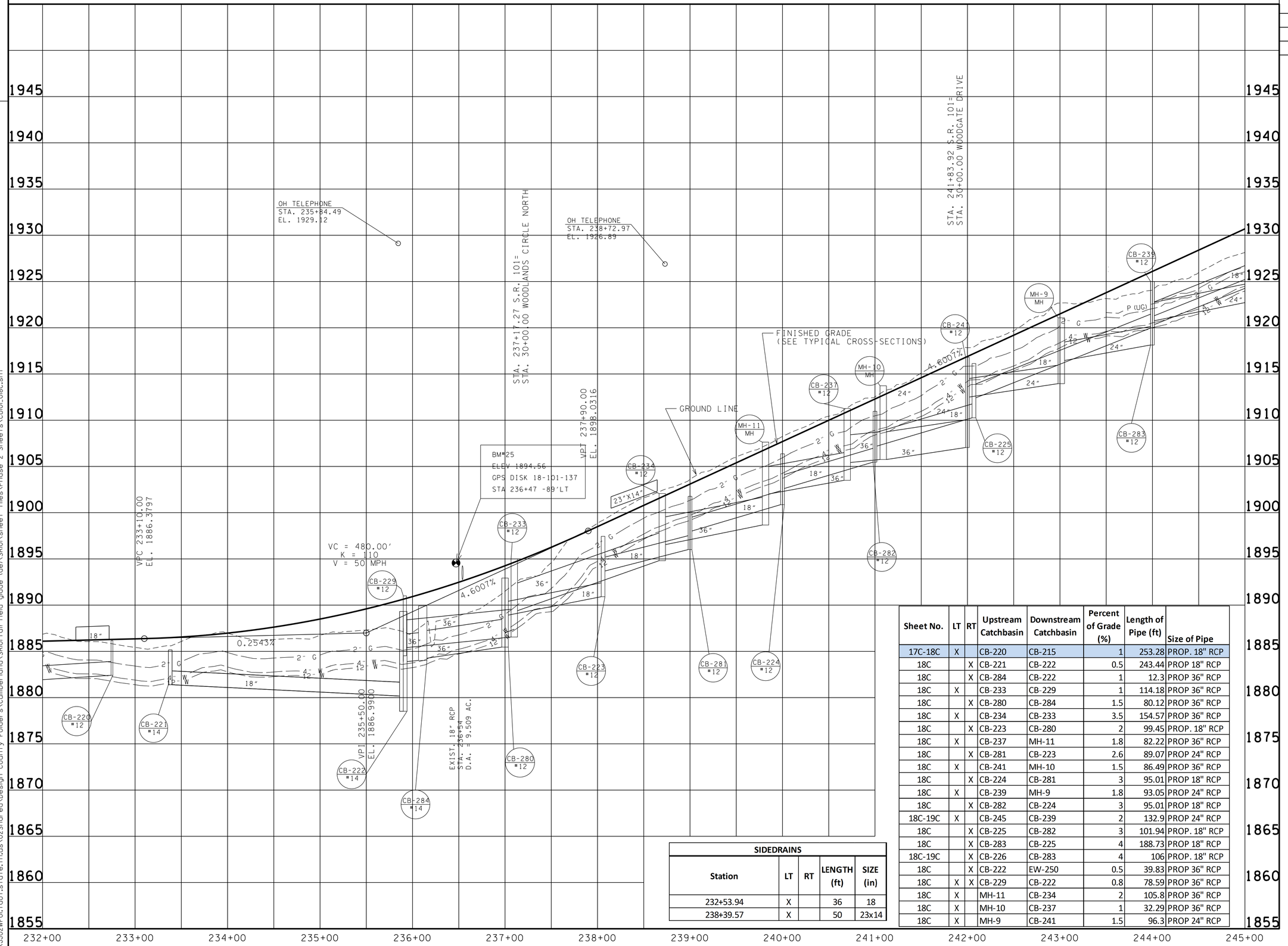
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	18C
CONST	2016	STP-101(17)	18C

REV. 04-10-13- DESIGN STORM SYSTEM AND ADDED LABELING. ADDED PIPE TABLE.

REV. 09-05-14- ADDED SD TABLE AND REVISED PIPE TABLE.

REV. 06-27-16- REVISED PROP DRAIN PER CONST REQ.



Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
17C-18C	X		CB-220	CB-215	1	253.28	PROP. 18" RCP
18C		X	CB-221	CB-222	0.5	243.44	PROP 18" RCP
18C		X	CB-284	CB-222	1	12.3	PROP 36" RCP
18C	X		CB-233	CB-229	1	114.18	PROP 36" RCP
18C		X	CB-280	CB-284	1.5	80.12	PROP 36" RCP
18C	X		CB-234	CB-233	3.5	154.57	PROP 36" RCP
18C		X	CB-223	CB-280	2	99.45	PROP. 18" RCP
18C	X		CB-237	MH-11	1.8	82.22	PROP 36" RCP
18C		X	CB-281	CB-223	2.6	89.07	PROP 24" RCP
18C	X		CB-241	MH-10	1.5	86.49	PROP 36" RCP
18C		X	CB-224	CB-281	3	95.01	PROP 18" RCP
18C	X		CB-239	MH-9	1.8	93.05	PROP 24" RCP
18C		X	CB-282	CB-224	3	95.01	PROP 18" RCP
18C-19C	X		CB-245	CB-239	2	132.9	PROP 24" RCP
18C		X	CB-225	CB-282	3	101.94	PROP. 18" RCP
18C		X	CB-283	CB-225	4	188.73	PROP 18" RCP
18C-19C		X	CB-226	CB-283	4	106	PROP. 18" RCP
18C		X	CB-222	EW-250	0.5	39.83	PROP 36" RCP
18C	X	X	CB-229	CB-222	0.8	78.59	PROP 36" RCP
18C	X		MH-11	CB-234	2	105.8	PROP 36" RCP
18C	X		MH-10	CB-237	1	32.29	PROP 36" RCP
18C	X		MH-9	CB-241	1.5	96.3	PROP 24" RCP

SIDEDRAINS				
Station	LT	RT	LENGTH (ft)	SIZE (in)
232+53.94	X		36	18
238+39.57	X		50	23x14

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CONSTRUCTABILITY FIELD REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 232+00 TO STA. 245+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.	2011	STP-101(17)	19
CONST	2016	STP-101(17)	19

REV. 2-29-12: CORRECTED MAINLINE CURVE DATA. LOCATED PARKING SPACES ON TRACT 99.

REV. 09-12-12: ADDED PROPERTY LINE TO TRACT 96. REMOVED CANOPY AT STA. 245+00±. ADDED STR-2.

REV. 10-26-12: ADDED PROPERTY LINE TO TRACT 100.

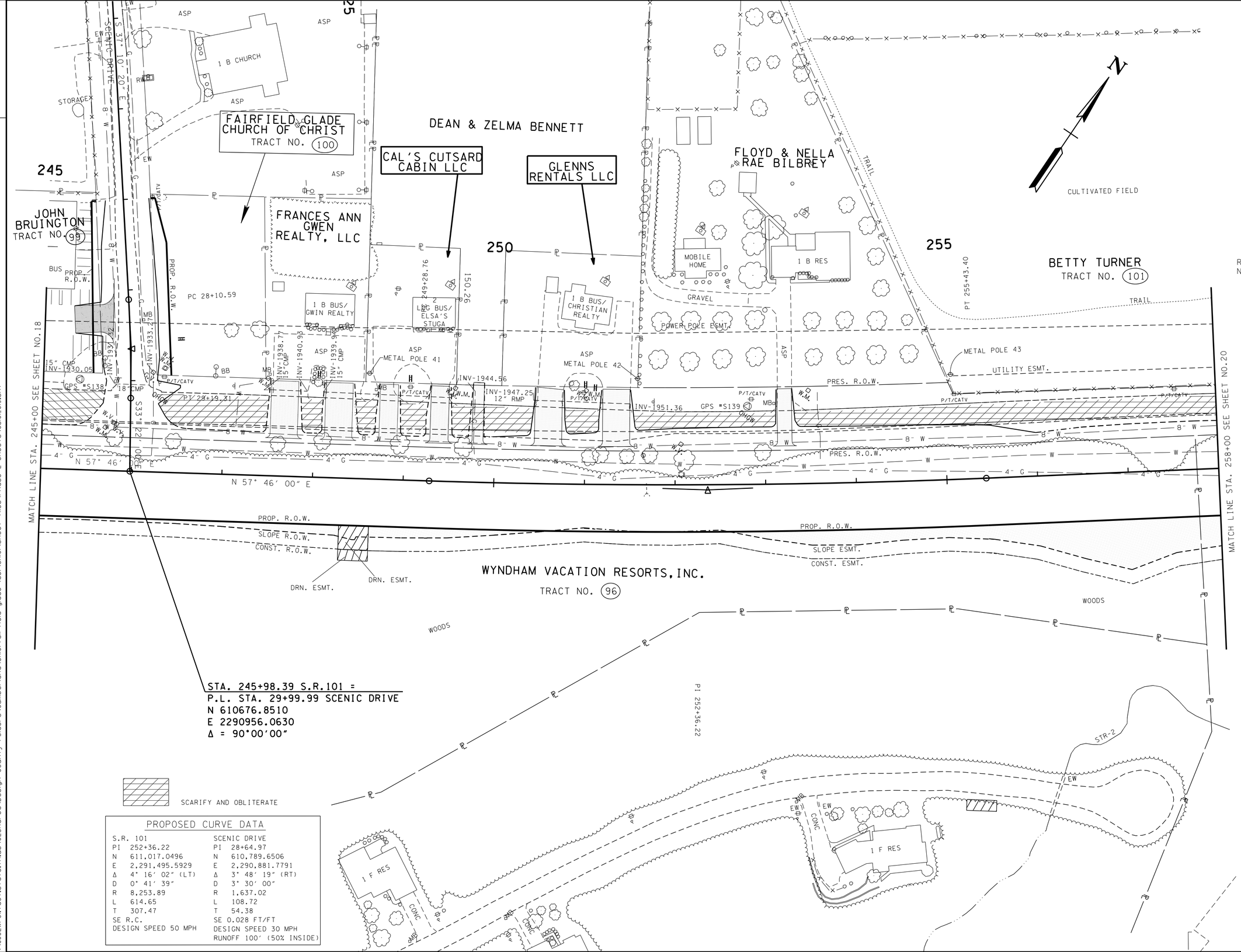
REV. 04-10-13: ADDED DRAIN EASMT TO TRACT 96.

REV. 09-05-14: ADDED POWER POLE AND UTILITY EASMT FOR TRACT 101 PER ROW REQ.

REV. 04-14-15: ADDED DRIVEWAY AT 28+30± SCENIC DR PER ROW REQ.

REV. 09-17-15:UPDATE CURVE DATA PER SURVEY REQ.

REV. 01-05-16:REVISED PROPERTY OWNERS NAME ON TRACT 96 PER ROW REQ.



PROPOSED CURVE DATA

S.R. 101	SCENIC DRIVE
PI 252+36.22	PI 28+64.97
N 611,017.0496	N 610,789.6506
E 2,291,495.5929	E 2,290,881.7791
Δ 4° 16' 02" (LT)	Δ 3° 48' 19" (RT)
D 0° 41' 39"	D 3° 30' 00"
R 8,253.89	R 1,637.02
L 614.65	L 108.72
T 307.47	T 54.38
SE R.C.	SE 0.028 FT/FT
DESIGN SPEED 50 MPH	DESIGN SPEED 30 MPH
	RUNOFF 100' (50% INSIDE)

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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

PRESENT LAYOUT

STA. 245+00 TO STA. 258+00

SCALE: 1"= 50'

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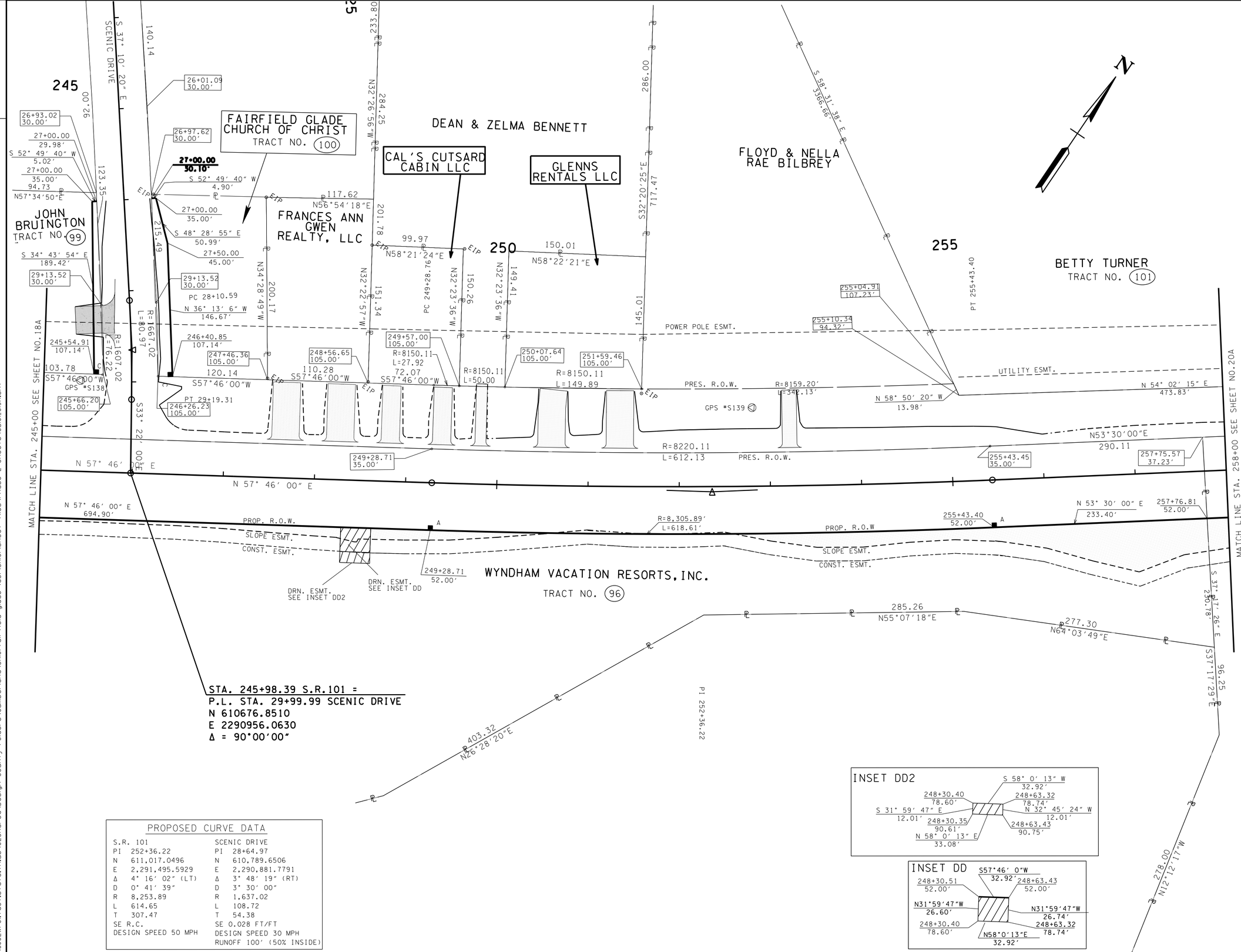
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	19A
CONST	2016	STP-101(17)	19A

REV. 2-29-12: CORRECTED MAINLINE CURVE DATA, CHANGED PROP. R.O.W. STATION/ OFFSETS & BEARING/DISTANCE ALONG RIGHT SIDE OF MAINLINE.
REV. 6-15-12: LABELED STATION AND OFFSET ON NORTH CORNER OF TRACT 96.
REV. 09-12-12: ADDED PROPERTY LINE TO TRACT 96.
REV. 10-26-12: ADDED PROPERTY LINE TO TRACT 100.
REV. 04-10-13: ADDED DRAIN EASMT TO TRACT 96.
REV. 09-05-14: ADDED POWER POLE AND UTILITY EASMT FOR TRACT 101 PER ROW REQ.
REV. 04-14-15: ADDED DRIVEWAY AT 28+30± SCENIC DR PER ROW REQ.
REV. 09-17-15:UPDATE CURVE DATA PER SURVEY REQ.
REV. 01-05-16:REVISED PROPERTY OWNERS NAME ON TRACT 96 PER ROW REQ.



PROPOSED CURVE DATA

S.R. 101	SCENIC DRIVE
PI 252+36.22	PI 28+64.97
N 611,017.0496	N 610,789.6506
E 2,291,495.5929	E 2,290,881.7791
Δ 4° 16′ 02″ (LT)	Δ 3° 48′ 19″ (RT)
D 0° 41′ 39″	D 3° 30′ 00″
R 8,253.89	R 1,637.02
L 614.65	L 108.72
T 307.47	T 54.38
SE R.C.	SE 0.028 FT/FT
DESIGN SPEED 50 MPH	DESIGN SPEED 30 MPH
	RUNOFF 100′ (50% INSIDE)

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 245+00 TO STA. 258+00

SCALE: 1"= 50'

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

Sheet No.	LT	RT	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
19B	X		CB-245	SR101	245+37.00	-42	1926.50 (MH-8)	1931.33	1923.42
19B		X	CB-244	SCENIC DR	29+10.00	21	1927.79 (CB-243)	1934.17	1927.25
19B	X		MH-8	SR101	245+58.43	-42.23	1927.43 (CB-249) 1926.82 (CB-244)	1932.28	1926.58
19B	X		CB-249	SR101	246+61.00	-42	1928.98 (CB-247)	1936.73	1928.40
19B		X	CB-243	SCENIC DR	28+87.68	27.98		1932.48	1928.85
19B	X		CB-247	SCENIC DR	29+06.19	-42	1929.32 (CB-248)	1934.07	1929.20
19B		X	CB-226	SR101	245+10.00	42		1930.07	1925.54
19B	X		CB-248	SCENIC DR	29+06.00	-21	1929.44 (EW-246)	1935.18	1929.40
19B	X		EW-246	SCENIC DR	28+88.15	-27.37	1931.67		
19B		X	EW-253	SR101	248+47.00	60.86			1937.96
19B		X	CB-252	SR101	248+47.00	42	1938.50 (CB-250)	1943.23	1938.48
19B	X		CB-250	SR101	248+52.00	-42	1939.00 (CB-251)	1943.38	1938.91
19B	X		CB-251	SR101	250+82.00	-42		1948.62	1944.37
19B		X	CB-259	SR101	257+54.00	42		1947.97	1943.40
19B	X		CB-262	SR101	255+70.00	-42		1949.79	1946.04

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	19B
CONST	2016	STP-101(17)	19B

REV. 2-29-12: CORRECTED MAINLINE CURVE DATA.

REV. 09-12-12: ADDED PAVMNT MARKINGS. ADDED STR-2.

REV. 09-13-12: ADDED PAVMNT MARKINGS. TO SCENIC DRIVE.

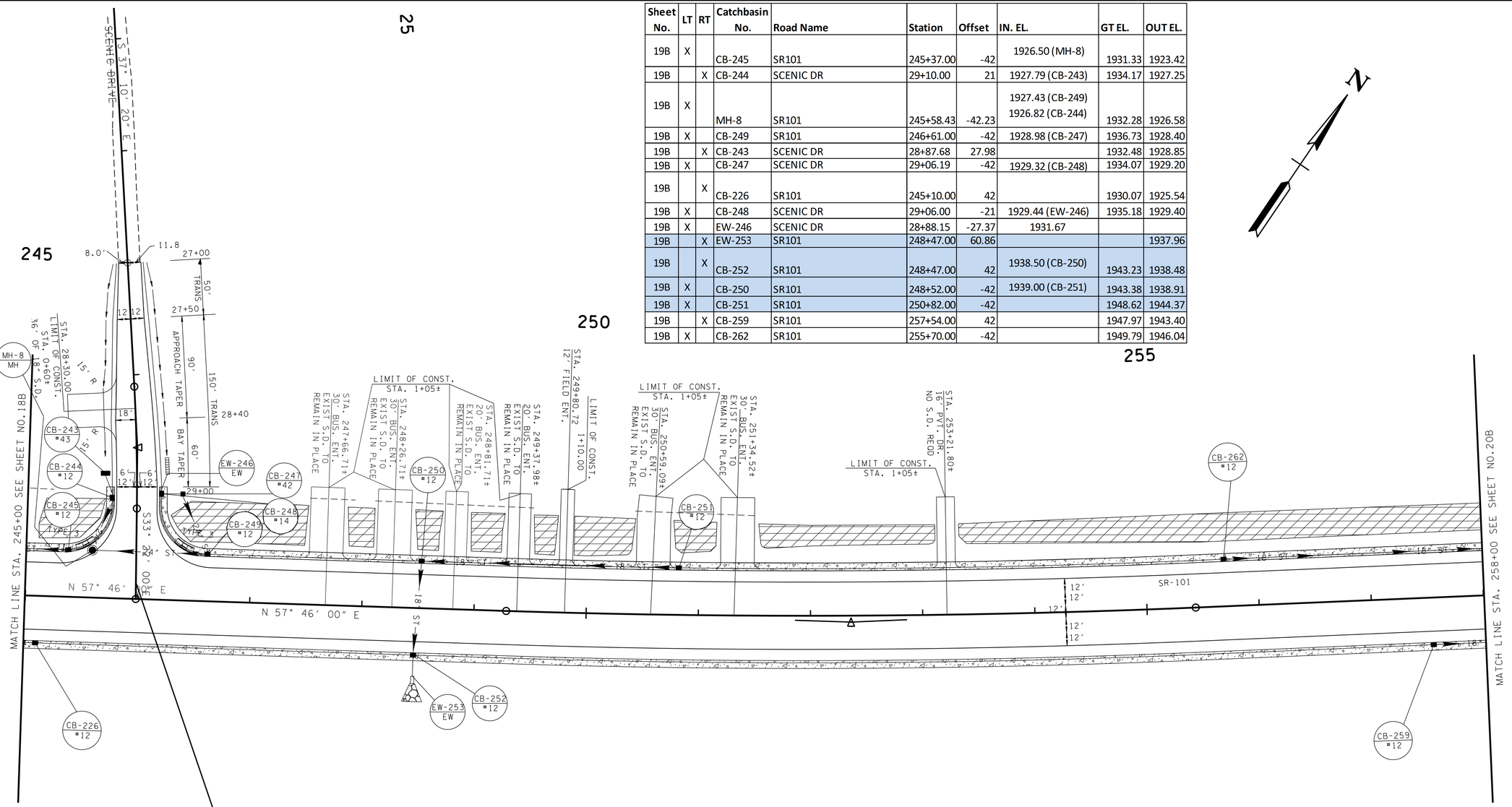
REV. 04-10-13: DESIGN STORM SYSTEM AND ADDED LABELING. REVISED STR-2 PER ENV. REQUEST. REMOVED PVMT MARKINGS. ADDED PIPE TABLE. ADDED SCARIFICATION. ADDED RIP RAP DETAIL FOR EW-253.

REV. 09-05-14: REVISED CB TABLE.

REV. 04-14-15: ADDED DRIVEWAY AT 28+30± SCENIC DR PER ROW REQ.

REV. 09-17-15:UPDATE CURVE DATA PER SURVEY REQ.

REV. 06-27-16:REVISED PROP DRAIN PER CONST REQ.

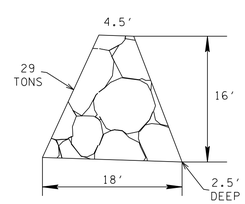


STA. 245+98.39 S.R.101 =
P.L. STA. 29+99.99 SCENIC DRIVE
N 610676.8510
E 2290956.0630
Δ = 90°00′00″

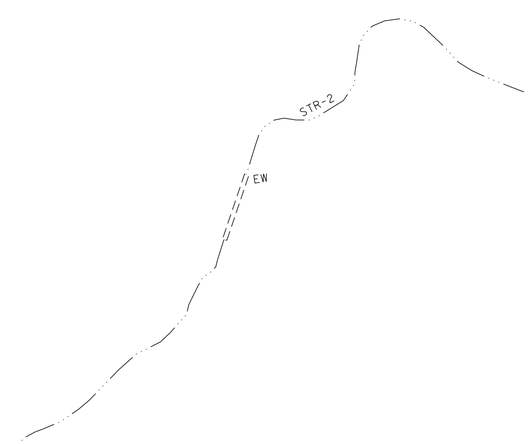
PROPOSED CURVE DATA

S.R. 101	SCENIC DRIVE
PI 252+36.22	PI 28+64.97
N 611,017.0488	N 610,789.6506
E 2,291,495.5947	E 2,290,881.7791
Δ 4° 16′ 02″ (LT)	Δ 3° 48′ 19″ (RT)
D 0° 41′ 39″	D 3° 30′ 00″
R 8,253.89	R 1,637.02
L 614.74	L 108.72
T 307.51	T 54.38
SE N.C.	SE 0.028 FT/FT
DESIGN SPEED 50 MPH	DESIGN SPEED 30 MPH
	RUNOFF 100′ (50% INSIDE)

SCARIFY AND OBLITERATE



CLASS B RIP RAP
FOR EW-253



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CONSTRUCTABILITY
FIELD
REVIEW

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. 245+00 TO STA. 258+00

SCALE: 1"= 50′

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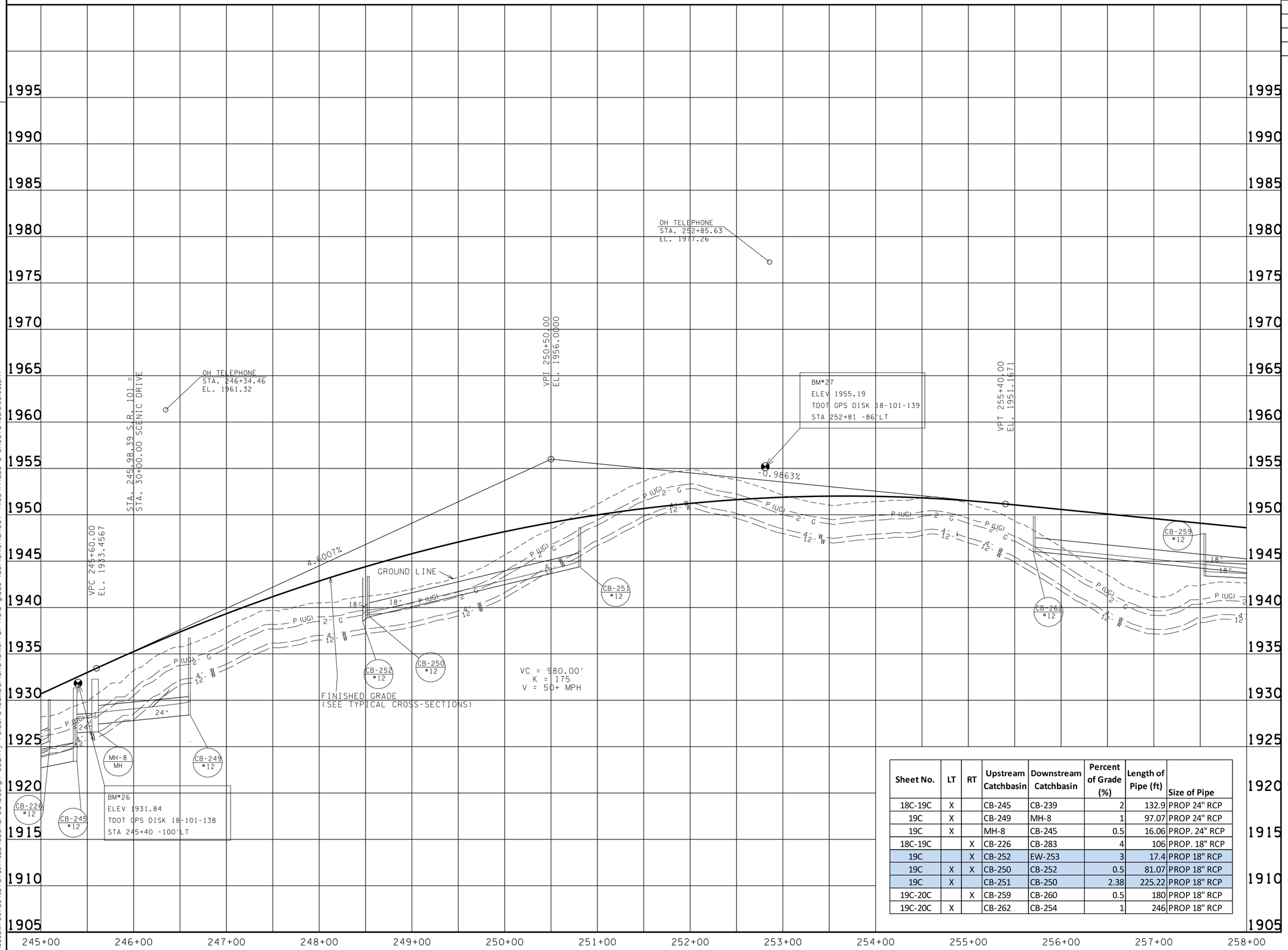
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	19C
CONST	2016	STP-101(17)	19C

REV. 04-10-13- DESIGN STORM SYSTEM AND ADDED LABELING. ADDED PIPE TABLE.
REV. 09-05-14- REVISED PIPE TABLE.
REV. 06-27-16- REVISED PROP DRAIN PER CONST REQ.



Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
18C-19C	X		CB-245	CB-239	2	132.9	PROP 24" RCP
19C	X		CB-249	MH-8	1	97.07	PROP 24" RCP
19C	X		MH-8	CB-245	0.5	16.06	PROP. 24" RCP
18C-19C		X	CB-226	CB-283	4	106	PROP. 18" RCP
19C		X	CB-252	EW-253	3	17.4	PROP 18" RCP
19C	X	X	CB-250	CB-252	0.5	81.07	PROP 18" RCP
19C	X		CB-251	CB-250	2.38	225.22	PROP 18" RCP
19C-20C		X	CB-259	CB-260	0.5	180	PROP 18" RCP
19C-20C	X		CB-262	CB-254	1	246	PROP 18" RCP

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CONSTRUCTABILITY
FIELD
REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 245+00 TO STA. 258+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

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

PROPOSED CURVE DATA

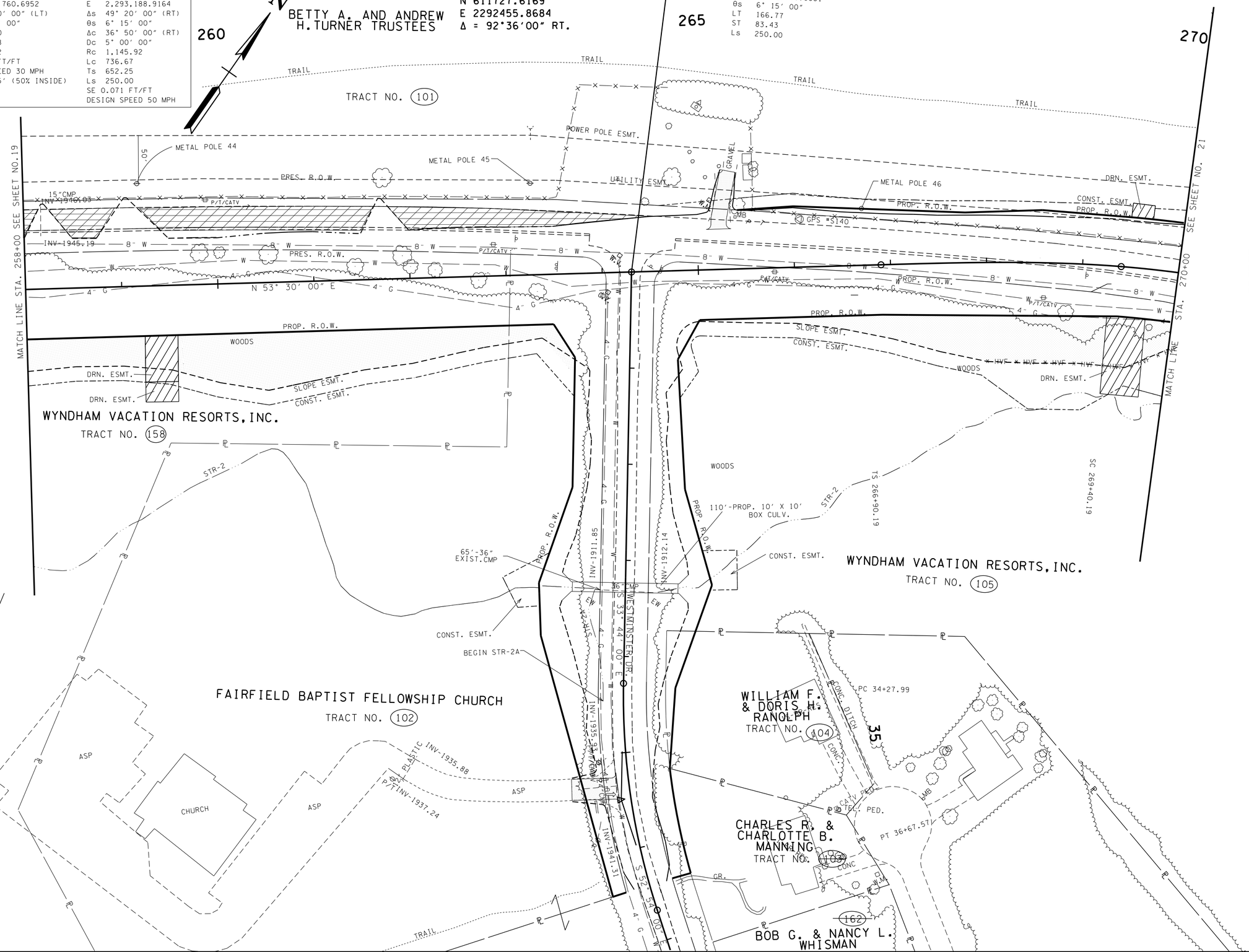
WESTMINSTER DRIVE	S.R. 101
PI 35+48.91	PI 273+42.44
N 611,271.1255	N 612,270.0431
E 2,292,760.6952	E 2,293,188.9164
Δ 19° 10′ 00″ (LT)	Δs 49° 20′ 00″ (RT)
D 8° 00′ 00″	θs 6° 15′ 00″
R 716.20	Δc 36° 50′ 00″ (RT)
L 239.58	Dc 5° 00′ 00″
T 120.92	Rc 1,145.92
SE 0.053 FT/FT	Lc 736.67
DESIGN SPEED 30 MPH	Ts 652.25
RUNOFF 135′ (50% INSIDE)	Ls 250.00
	SE 0.071 FT/FT
	DESIGN SPEED 50 MPH

SCARIFY AND OBLITERATE

STA. 264+30.52 S.R. 101 =
STA. 30+00.00 WESTMINSTER DR.
N 611727.6169
E 2292455.8684
Δ = 92°36′00″ RT.

SPIRAL S101SC7B
PIs 268+56.96
Ns 611,981.2687
Es 2,292,798.6601
θs 6° 15′ 00″
LT 166.77
ST 83.43
Ls 250.00

CULTIVATED FIELD



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	20
CONST	2016	STP-101(17)	20

REV. 2-29-12: LOCATED BUILDING ON TRACT 104.
REV. 6-15-12: LOCATED BUILDING AND PARKING LOT ON TRACT 120. LOCATED DRIVE AND BUILDING ON TRACT 103. LOCATED UTILITIES ON TRACT 104. RELOCATED DRIVE AT STA. 36+13.78 TO STA. 35+37.16.

REV. 09-12-12: REMOVED BUILDING AT STA. 265+00± ADD Z BAR TO SOUTH END OF TRACT 102. ADDED STR-2 AND WWC-8. ADJUSTED SLOPE EASMT PER ENVIRONMENTAL. ADDED HV FENCE.

REV. 09-13-12: ADDED PROP. BOX CULV TO WESTMINISTER. ADJUSTED SLOPE EASMT PER ENVIRONMENTAL.

REV. 10-26-12: CORRECTED DRIVEWAY SHADING ON TRACT 102.

REV. 04-10-13: REVISE SCARIFICATION. ADDED DRAIN EASMT TO TRACT 158 AND 105.

REV. 09-05-14: REVISED PRESENT ROW AND ADDED POWER POLE AND UTILITY EASMT FOR TRACT 101 PER ROW REQ.

REV. 09-17-15:ADDED SPIRAL CURVE DATA AND UPDATE EASTING ON WESTIMINISTER DR PER SURVEY REQ.

REV. 01-05-16:REVISED PROPERTY OWNERS NAME ON TRACT 105 AND 158 PER ROW REQ.

REV. 05-09-16:REVISED WWC-8 TO STR-2A PER ECOLOGY REQ.

REV. 05-27-16:ADDED BEGIN STR-2A PER PERMITS REQ.

REV. 05-31-16:REVISED STR-2A LENGTH PER ECOLOGY REQ.

REV. 06-27-16:REVISED STR-2A PER PERMITS REQ.

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CONSTRUCTABILITY FIELD REVIEW

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

PRESENT LAYOUT

STA. 258+00 TO STA. 270+00

SCALE: 1"= 50′

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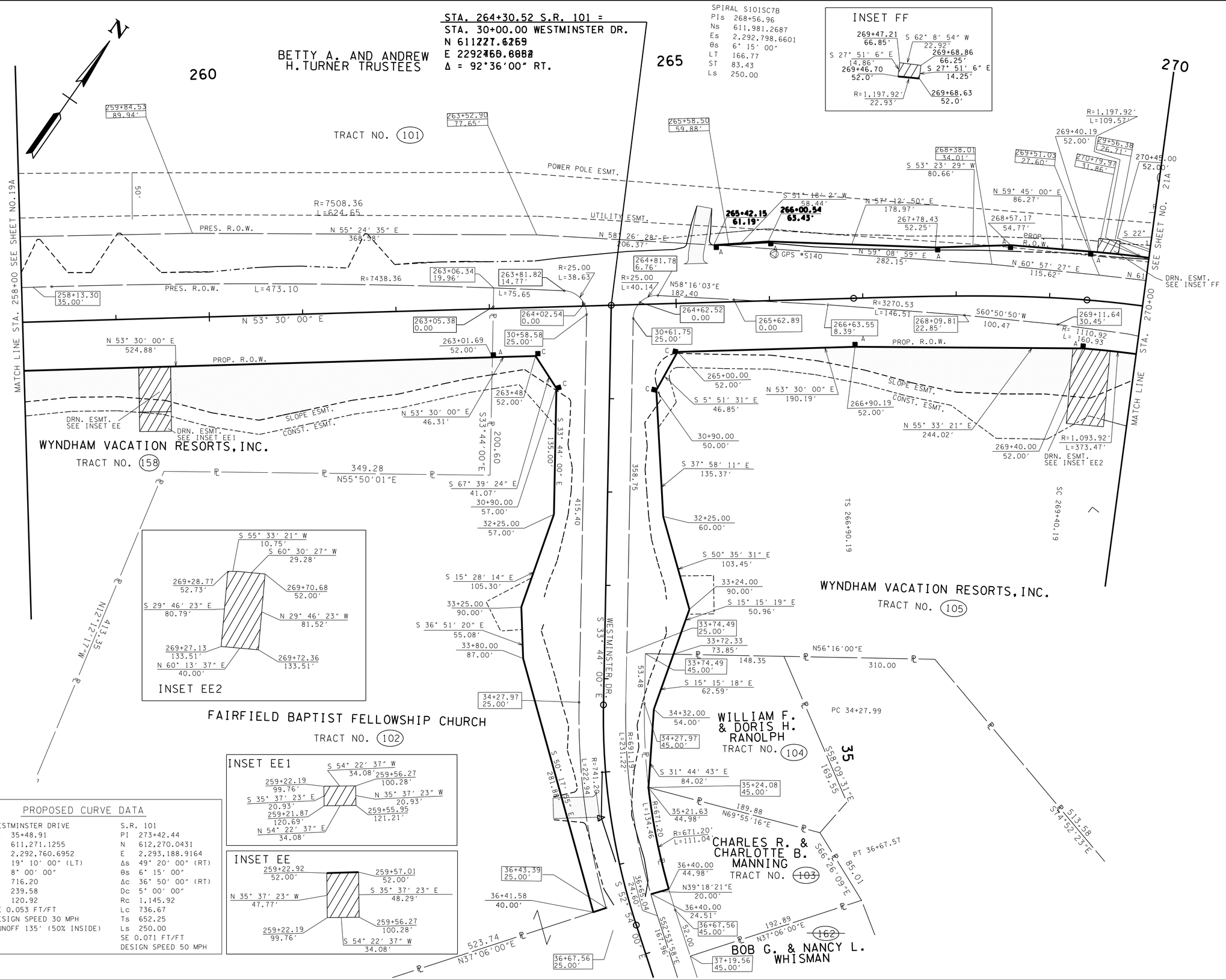
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



PROPOSED CURVE DATA

WESTMINSTER DRIVE		S.R. 101	
PI	35+48.91	PI	273+42.44
N	611,271.1255	N	612,270.0431
E	2,292,760.6952	E	2,293,188.9164
Δ	19° 10' 00" (LT)	Δs	49° 20' 00" (RT)
D	8° 00' 00"	θs	6° 15' 00"
R	716.20	Δc	36° 50' 00" (RT)
L	239.58	Dc	5° 00' 00"
T	120.92	Rc	1,145.92
SE 0.053 FT/FT		Lc	736.67
DESIGN SPEED 30 MPH		Ts	652.25
RUNOFF 135' (50% INSIDE)		Ls	250.00
		SE 0.071 FT/FT	
		DESIGN SPEED 50 MPH	

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	20A
CONST	2016	STP-101(17)	20A

REV. 6-15-12: CORRECTED RADIUS AND LENGTH OF PRES. R.O.W. LEFT SIDE OF WESTMINSTER DR. RELOCATED DRIVE AT STA. 36+13.78 TO STA. 35+37.16.

REV. 09-12-12: ADD Z-BAR TO SOUTH END OF TRACT 102. REVISED SLOPE EASMT ON TRACT 105

REV. 10-26-12: CORRECTED DRIVEWAY SHADING ON TRACT 102.

REV. 04-10-13: ADDED R.O.W. LINE AT AROUND STA. 270+00.00. ADDED DRAIN EASMT TO TRACT 158 AND 105

REV. 09-05-14: REVISED PRESENT ROW AND ADDED POWER POLE AND UTILITY EASMT FOR TRACT 101 PER ROW REQ.

REV. 09-17-15:ADDED SPIRAL CURVE DATA AND UPDATE EASTING ON WESTIMINISTER DR PER SURVEY REQ.

REV. 01-05-16:REVISED PROPERTY OWNERS NAME ON TRACT 105 AND 158 PER ROW REQ.

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CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 258+00 TO STA. 270+00

SCALE: 1"= 50'

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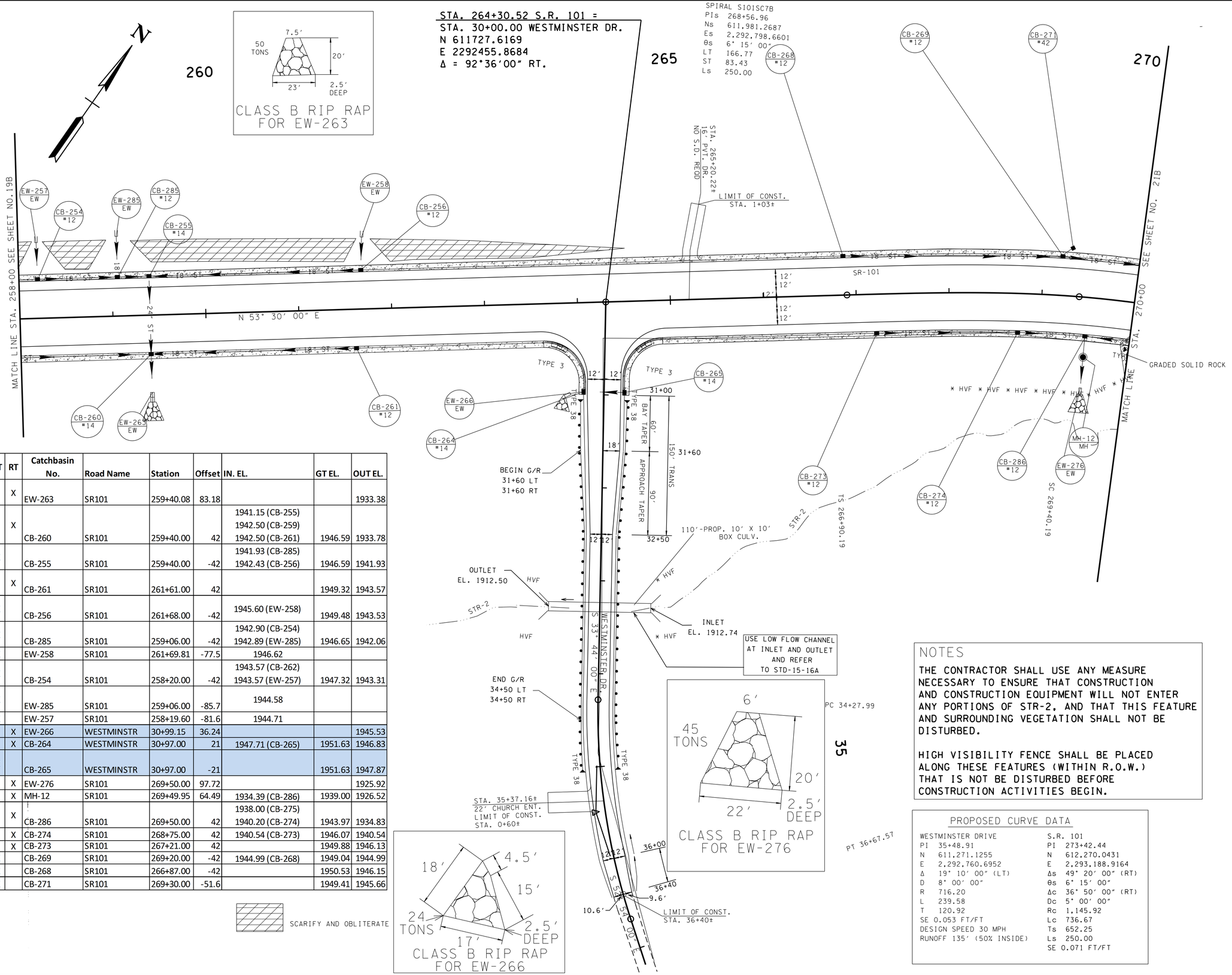
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



Sheet No.	LT	RT	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
20B		X	EW-263	SR101	259+40.08	83.18			1933.38
20B		X	CB-260	SR101	259+40.00	42	1941.15 (CB-255) 1942.50 (CB-259) 1942.50 (CB-261)	1946.59	1933.78
20B	X		CB-255	SR101	259+40.00	-42	1941.93 (CB-285) 1942.43 (CB-256)	1946.59	1941.93
20B		X	CB-261	SR101	261+61.00	42		1949.32	1943.57
20B	X		CB-256	SR101	261+68.00	-42	1945.60 (EW-258)	1949.48	1943.53
20B	X		CB-285	SR101	259+06.00	-42	1942.90 (CB-254) 1942.89 (EW-285)	1946.65	1942.06
20B	X		EW-258	SR101	261+69.81	-77.5	1946.62		
20B	X		CB-254	SR101	258+20.00	-42	1943.57 (CB-262) 1943.57 (EW-257)	1947.32	1943.31
20B	X		EW-285	SR101	259+06.00	-85.7	1944.58		
20B	X		EW-257	SR101	258+19.60	-81.6	1944.71		
20B		X	EW-266	WESTMINSTR	30+99.15	36.24			1945.53
20B		X	CB-264	WESTMINSTR	30+97.00	21	1947.71 (CB-265)	1951.63	1946.83
20B	X		CB-265	WESTMINSTR	30+97.00	-21		1951.63	1947.87
20B		X	EW-276	SR101	269+50.00	97.72			1925.92
20B		X	MH-12	SR101	269+49.95	64.49	1934.39 (CB-286)	1939.00	1926.52
20B		X	CB-286	SR101	269+50.00	42	1938.00 (CB-275) 1940.20 (CB-274)	1943.97	1934.83
20B		X	CB-274	SR101	268+75.00	42	1940.54 (CB-273)	1946.07	1940.54
20B		X	CB-273	SR101	267+21.00	42		1949.88	1946.13
20B	X		CB-269	SR101	269+20.00	-42	1944.99 (CB-268)	1949.04	1944.99
20B	X		CB-268	SR101	266+87.00	-42		1950.53	1946.15
20B	X		CB-271	SR101	269+30.00	-51.6		1949.41	1945.66

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	20B
CONST	2016	STP-101(17)	20B

REV. 6-15-12: RELOCATED DRIVE AT STA. 36+13.78. TO STA. 35+37.16.

REV. 09-12-12: ADDED PAVMT MARKINGS. ADDED HV FENCE. ADDED STR-2.

REV. 09-13-12: ADDED PAVMT MARKINGS, BOX CULVERT, GUARDRAIL TO WESTMINISTER.

REV. 04-10-13: DESIGN STORM SYSTEM AND ADDED LABELING. REVISED STR-2 AND ADDED NOTES PER ENV. REQUEST. REMOVED PVMT MARKINGS. ADDED CATCHBASIN TABLE. ADDED SCARIFICATION. ADDED RIP RAP DETAILS FOR EW-263, EW-266 AND EW-276.

REV. 09-05-14: REVISED CB TABLE.

REV. 09-17-15:ADDED SPIRAL CURVE DATA AND UPDATE EASTING ON WESTIMINISTER DR PER SURVEY REQ.

REV 10-29-15-ADDED GRADED SOLID ROCK PER GEOTEC REQ.

REV 05-27-16-REVISED NOTE FOR WESTMINISTER BOX PER PERMITS REQ.

REV 06-27-16-REVISED PROP DRAIN PER CONST REQ.

NOTES

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION AND CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTIONS OF STR-2, AND THAT THIS FEATURE AND SURROUNDING VEGETATION SHALL NOT BE DISTURBED.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THESE FEATURES (WITHIN R.O.W.) THAT IS NOT BE DISTURBED BEFORE CONSTRUCTION ACTIVITIES BEGIN.

PROPOSED CURVE DATA

WESTMINSTER DRIVE	S.R. 101
PI 35+48.91	PI 273+42.44
N 611,271.1255	N 612,270.0431
E 2,292,760.6952	E 2,293,188.9164
Δ 19° 10' 00" (LT)	Δs 49° 20' 00" (RT)
D 8° 00' 00"	θs 6° 15' 00"
R 716.20	Δc 36° 50' 00" (RT)
L 239.58	Dc 5° 00' 00"
T 120.92	Rc 1,145.92
SE 0.053 FT/FT	Lc 736.67
DESIGN SPEED 30 MPH	Ts 652.25
RUNOFF 135' (50% INSIDE)	Ls 250.00
	SE 0.071 FT/FT

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CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 258+00 TO STA. 270+00

SCALE: 1"= 50'

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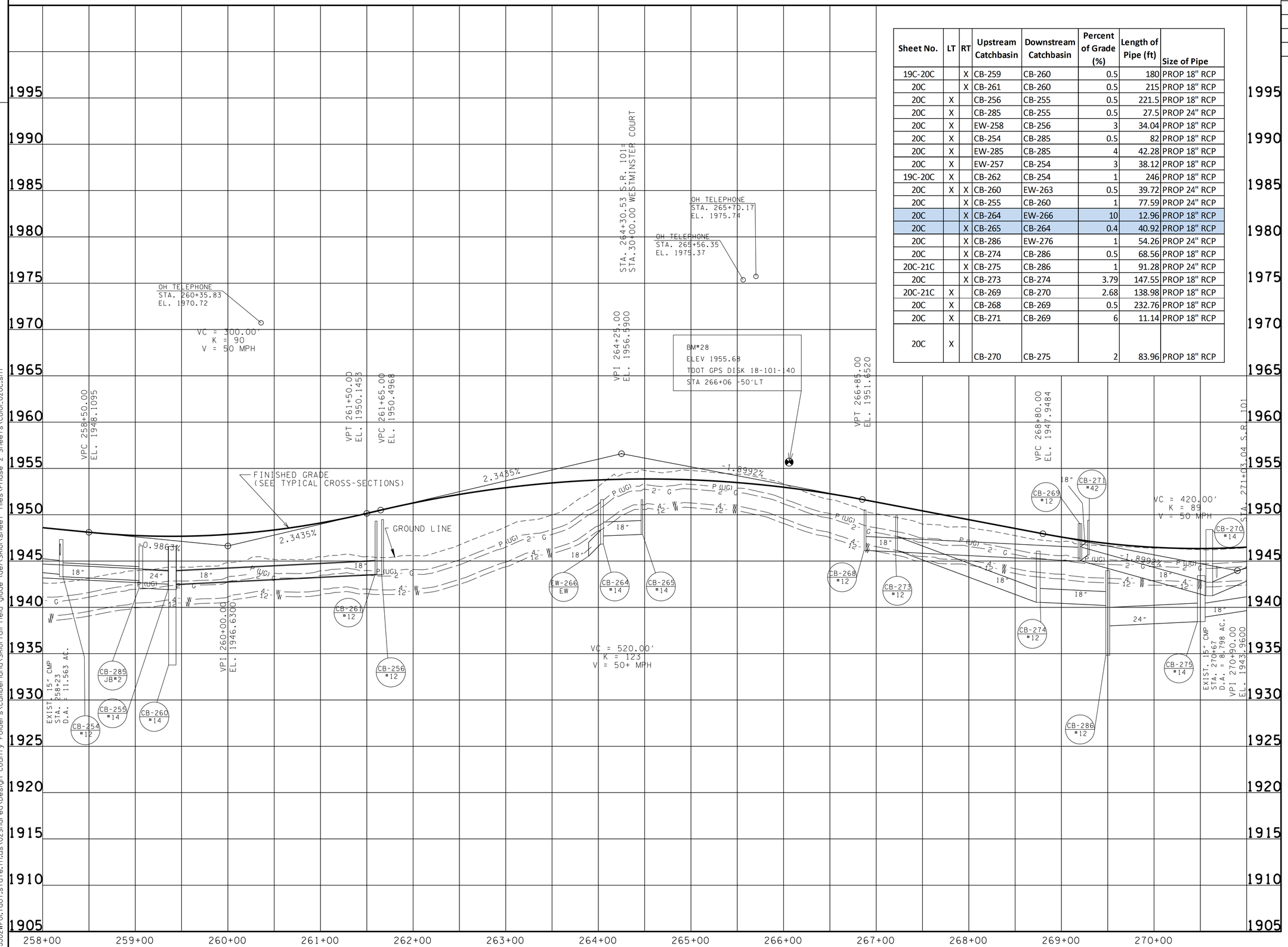
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	20C
CONST	2016	STP-101(17)	20C

REV. 04-10-13- ADDED PIPE TABLE.
DESIGN STORM SYSTEM AND LABELED.
REV. 09-05-14- REVISED PIPE TABLE.
REV. 06-27-14- REVISED PROP DRAIN
PER CONST REQ.

Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
19C-20C		X	CB-259	CB-260	0.5	180	PROP 18" RCP
20C		X	CB-261	CB-260	0.5	215	PROP 18" RCP
20C	X		CB-256	CB-255	0.5	221.5	PROP 18" RCP
20C	X		CB-285	CB-255	0.5	27.5	PROP 24" RCP
20C	X		EW-258	CB-256	3	34.04	PROP 18" RCP
20C	X		CB-254	CB-285	0.5	82	PROP 18" RCP
20C	X		EW-285	CB-285	4	42.28	PROP 18" RCP
20C	X		EW-257	CB-254	3	38.12	PROP 18" RCP
19C-20C	X		CB-262	CB-254	1	246	PROP 18" RCP
20C	X	X	CB-260	EW-263	0.5	39.72	PROP 24" RCP
20C		X	CB-255	CB-260	1	77.59	PROP 24" RCP
20C		X	CB-264	EW-266	10	12.96	PROP 18" RCP
20C		X	CB-265	CB-264	0.4	40.92	PROP 18" RCP
20C		X	CB-286	EW-276	1	54.26	PROP 24" RCP
20C		X	CB-274	CB-286	0.5	68.56	PROP 18" RCP
20C-21C		X	CB-275	CB-286	1	91.28	PROP 24" RCP
20C		X	CB-273	CB-274	3.79	147.55	PROP 18" RCP
20C-21C	X		CB-269	CB-270	2.68	138.98	PROP 18" RCP
20C	X		CB-268	CB-269	0.5	232.76	PROP 18" RCP
20C	X		CB-271	CB-269	6	11.14	PROP 18" RCP
20C	X		CB-270	CB-275	2	83.96	PROP 18" RCP



SEALED BY

CONSTRUCTABILITY
FIELD
REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 258+00 TO STA. 270+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.	2011	STP-101(17)	21
CONST	2016	STP-101(17)	21

REV. 6-15-12: UPDATED PROPERTY OWNER NAME FOR TRACT 107.

REV. 09-12-12: ADDED SIGN AT STA. 279+00± RT. ADDED STR-2. ADDED HV FENCE.

REV. 10-26-12 ADDED TRACT 106-A, CHANGED OWNERS NAME OF TRACT 106.

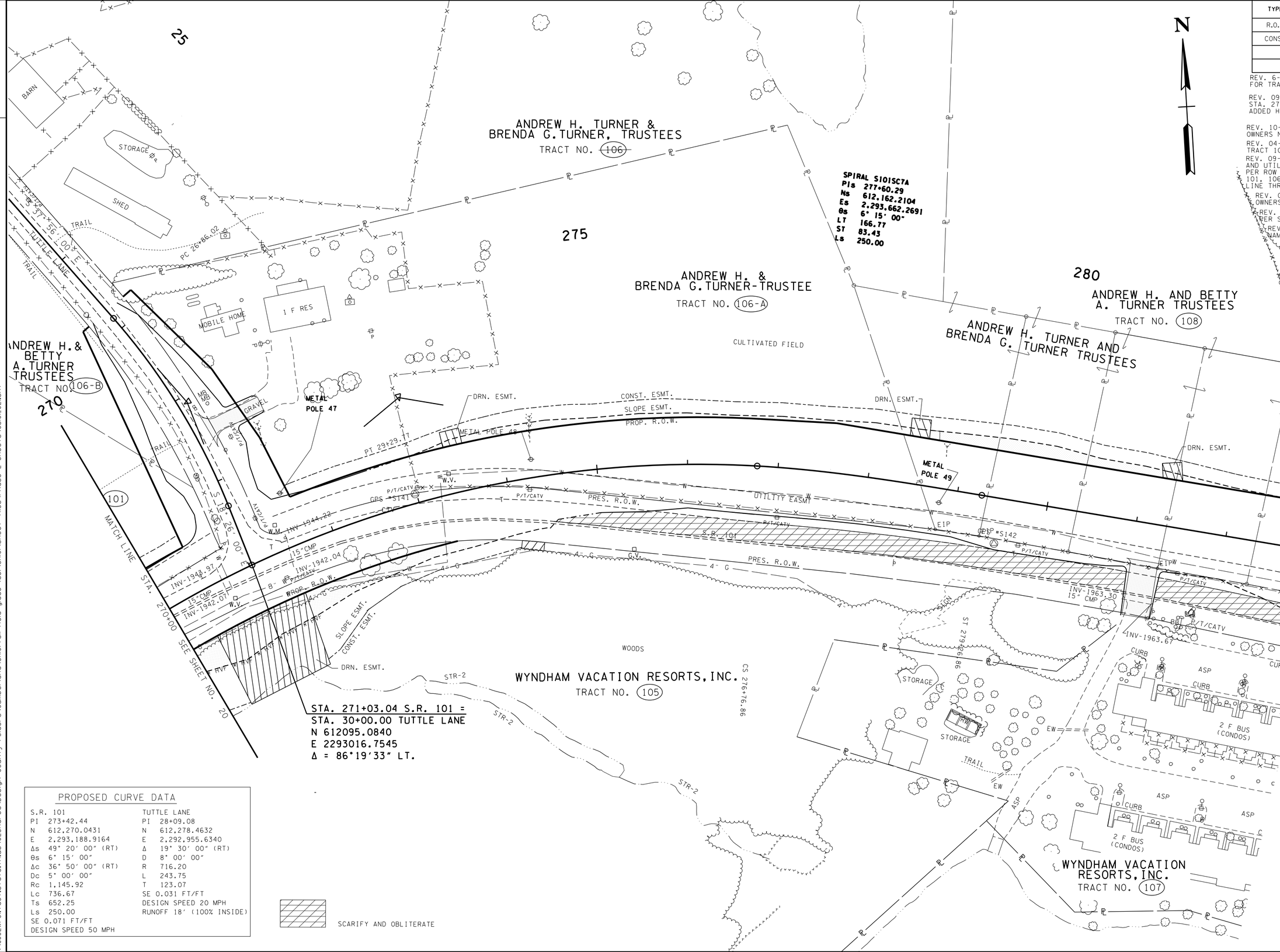
REV. 04-10-13- ADDED ROW LINE ON TRACT 101.

REV. 09-05-14- ADDED LOTS TO TRACT 108 AND UTILITY EASMT TO TRACTS 106-A AND 108 PER ROW REQ. REVISED PRESENT ROW FOR TRACT 101, 106-A, AND 108.ADDED TRACT 106-B. PLACE LINE THRU TRACT 106.

REV. 04-23-15 CHANGED OWNERS NAME OF TRACT 106-A PER ROW REQ.

REV. 09-17-15:ADDED SPIRAL CURVE DATA PER SURVEY REQ.

REV. 01-05-16:REVISED PROPERTY OWNERS NAME ON TRACT 105 AND 107 PER ROW REQ



PROPOSED CURVE DATA

S.R. 101	TUTTLE LANE
PI 273+42.44	PI 28+09.08
N 612,270.0431	N 612,278.4632
E 2,293,188.9164	E 2,292,955.6340
Δs 49° 20' 00" (RT)	Δ 19° 30' 00" (RT)
θs 6° 15' 00"	D 8° 00' 00"
Δc 36° 50' 00" (RT)	R 716.20
Dc 5° 00' 00"	L 243.75
Rc 1,145.92	T 123.07
Lc 736.67	SE 0.031 FT/FT
Ts 652.25	DESIGN SPEED 20 MPH
Ls 250.00	RUNOFF 18' (100% INSIDE)
SE 0.071 FT/FT	
DESIGN SPEED 50 MPH	

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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

PRESENT LAYOUT

STA. 270+00 TO STA. 283+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.	2011	STP-101(17)	21A
CONST	2016	STP-101(17)	21A

REV. 6-15-12: UPDATED PROPERTY OWNER NAME FOR TRACT 107.

REV. 10-26-12 ADDED TRACT 106-A, CHANGED OWNERS NAME OF TRACT 106 AND ADJUSTED PROPOSED ROW CALLOUTS DUE TO SELL OFF.

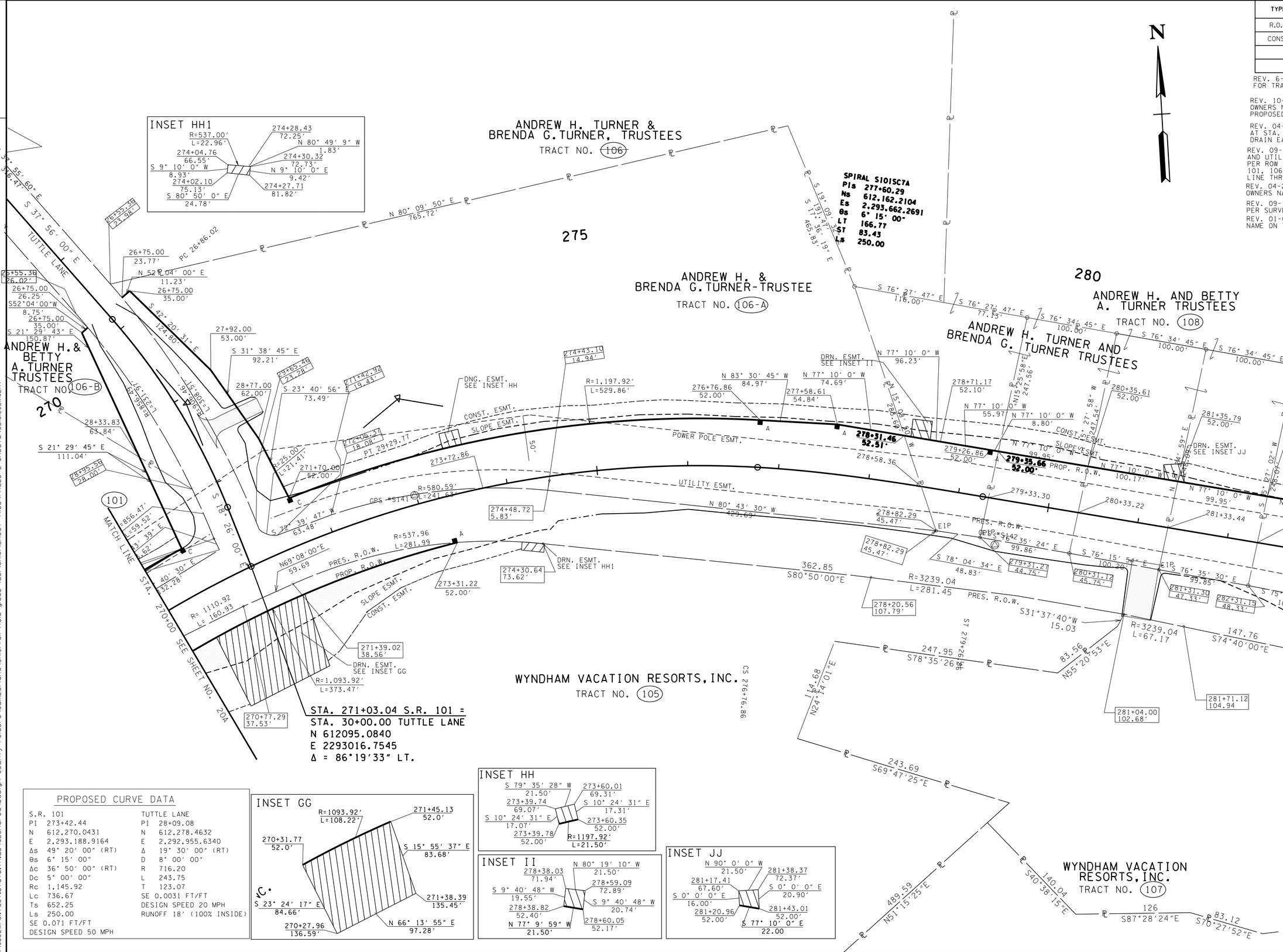
REV. 04-10-13 ADDED PRES. R.O.W. LINE AT STA. 270+00 TO 270+80.69. ADDED DRAIN EASMT TO TRACT 105.

REV. 09-05-14 ADDED LOTS TO TRACT 108 AND UTILITY EASMT TO TRACTS 106-A AND 108 PER ROW REQ. REVISED PRESENT ROW FOR TRACTS 101, 106-A, AND 108.ADDED TRACT 106-B.PLACE LINE THRU TRACT 106.

REV. 04-23-15 CHANGED OWNERS NAME OF TRACT 106-A PER ROW REQ.

REV. 09-17-15:ADDED SPIRAL CURVE DATA PER SURVEY REQ.

REV. 01-05-16:REVISED PROPERTY OWNERS NAME ON TRACT 105 AND 107 PER ROW REQ.



PROPOSED CURVE DATA

S.R. 101	TUTTLE LANE
PI 273+42.44	PI 28+09.08
N 612,270.0431	N 612,278.4632
E 2,293,188.9164	E 2,292,955.6340
Δs 49° 20' 00" (RT)	Δ 19° 30' 00" (RT)
θs 6° 15' 00"	D 8° 00' 00"
Δc 36° 50' 00" (RT)	R 716.20
Dc 5° 00' 00"	L 243.75
Rc 1,145.92	T 123.07
Lc 736.67	SE 0.0031 FT/FT
Ts 652.25	DESIGN SPEED 20 MPH
Ls 250.00	RUNOFF 18' (100% INSIDE)
SE 0.071 FT/FT	
DESIGN SPEED 50 MPH	

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CONSTRUCTABILITY FIELD REVIEW

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. 271+00 TO STA. 284+00

SCALE: 1"= 50'

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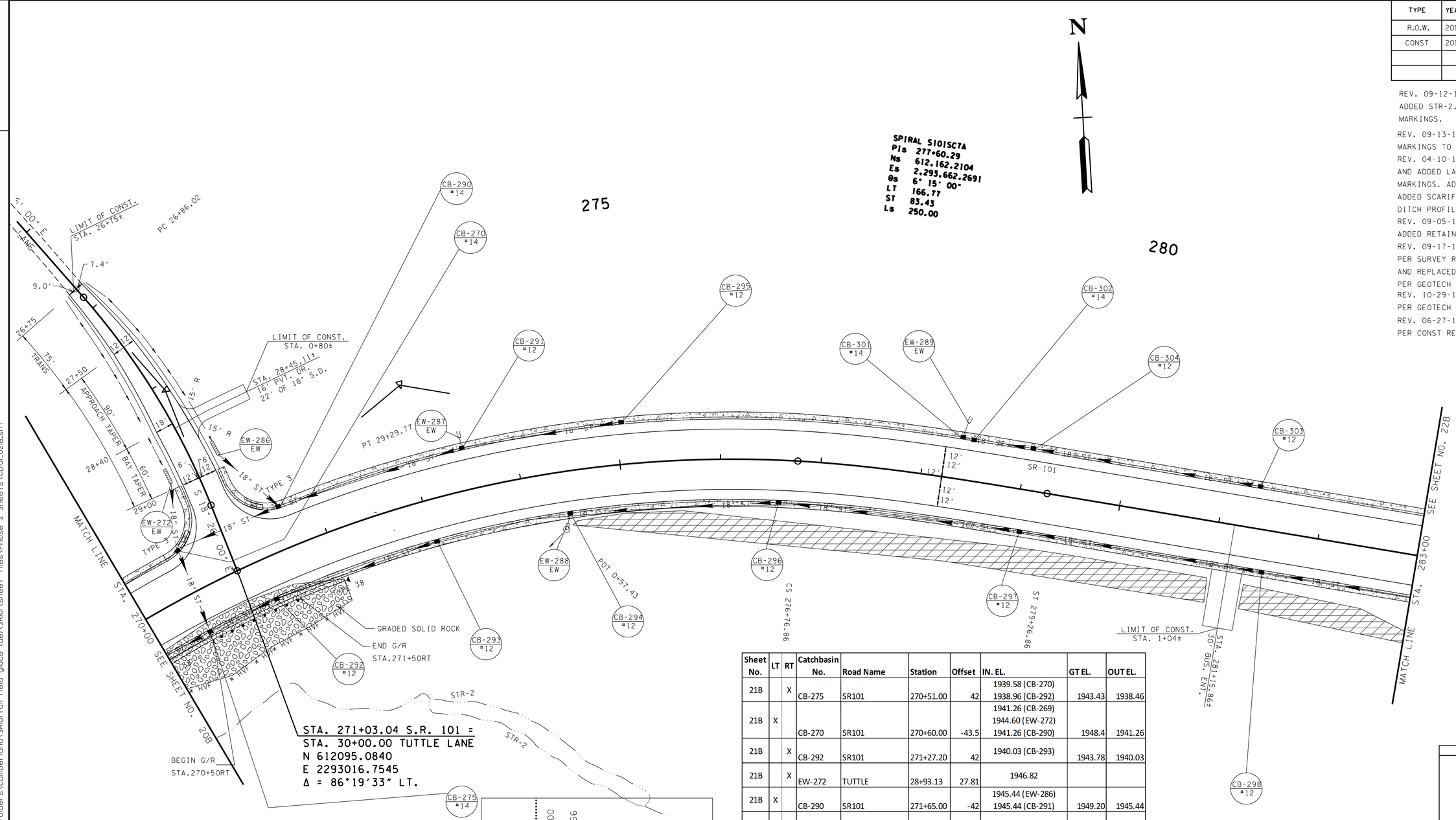
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	21B
CONST	2016	STP-101(17)	21B

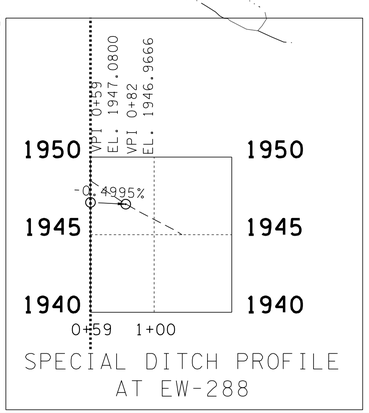
REV. 09-12-12- ADDED HV FENCE. ADDED STR-2. ADDED PAVMT MARKINGS.
REV. 09-13-12- ADDED PAVMT MARKINGS TO TUTTLE LANE.
REV. 04-10-13- DESIGN STORM SYSTEM AND ADDED LABELING. REMOVED PVMT MARKINGS. ADDED CATCHBASIN TABLE. ADDED SCARIFICATION. ADDED SPECIAL DITCH PROFILE AT EW-288.
REV. 09-05-14- REVISED CB TABLE. ADDED RETAINING WALL LABELS.
REV. 09-17-15:ADDED SPIRAL CURVE DATA PER SURVEY REQ.REMOVED RETAINING WALL AND REPLACED WITH GRADED SOLID ROCK PER GEOTECH REQ.
REV. 10-29-15:REVISE GRADED SOLID ROCK PER GEOTECH REQ.
REV. 06-27-16:REVISED PROP DRAIN PER CONST REQ.



PROPOSED CURVE DATA

S.R. 101		TUTTLE LANE	
PI	273+42.44	PI	28+09.08
N	612,270.0431	N	612,278.4632
E	2,293,188.9164	E	2,292,955.6340
Δs	49° 20' 00" (RT)	Δ	19° 30' 00" (RT)
θs	6° 15' 00"	D	8° 00' 00"
Δc	36° 50' 00" (RT)	R	716.20
Dc	5° 00' 00"	L	243.75
Rc	1,145.92	T	123.07
Lc	736.67	SE 0.0031 FT/FT	
Ts	652.25	DESIGN SPEED 20 MPH	
Ls	250.00	RUNOFF 18' (100% INSIDE)	
SE 0.071 FT/FT			
DESIGN SPEED 50 MPH			

SCARIFY AND OBLITERATE



SPECIAL DITCH PROFILE AT EW-288

Sheet No.	LT	RT	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
21B		X	CB-275	SR101	270+51.00	42	1939.58 (CB-270) 1938.96 (CB-292)	1943.43	1938.46
21B	X		CB-270	SR101	270+60.00	-43.5	1941.26 (CB-269) 1944.60 (EW-272) 1941.26 (CB-290)	1948.4	1941.26
21B		X	CB-292	SR101	271+27.20	42	1940.03 (CB-293)	1943.78	1940.03
21B		X	EW-272	TUTTLE	28+93.13	27.81	1946.82		
21B	X		CB-290	SR101	271+65.00	-42	1945.44 (EW-286) 1945.44 (CB-291)	1949.20	1945.44
21B		X	CB-293	SR101	273+03.42	42		1947.1	1943.35
21B	X		EW-286	SR101	271+33.29	-112.17	1947.06		
21B	X		CB-291	SR101	273+50.00	-42	1949.66 (EW-287) 1949.66 (CB-295)	1953.41	1949.66
21B	X		CB-295	SR101	275+04.92	-42		1957.13	1953.38
21B	X		EW-287	SR101	273+50.06	-52.48	1950.56		
21B		X	EW-288	SR101	274+40.00	51.53			1947.08
21B		X	CB-294	SR101	274+43.83	42	1947.12 (CB-296)	1950.87	1947.12
21B		X	CB-296	SR101	276+59.70	42	1950.55 (CB-297)	1954.3	1950.55
21B		X	CB-297	SR101	279+06.00	42	1954.81 (CB-298)	1958.78	1954.81
21B		X	CB-298	SR101	281+50.00	42	1959.15 (CB-299)	1962.9	1959.15
21B	X		EW-289	SR101	278+39.00	-57			1954.93
21B	X		CB-301	SR101	278+36.00	-42	1954.98 (CB-302)	1958.91	1954.99
21B	X		CB-302	SR101	278+47.00	-42	1955.00 (CB-304)	1959	1955
21B	X		CB-304	SR101	279+06.00	-42	1955.21 (CB-303)	1959.01	1955.21
21B	X		CB-303	SR101	281+35.00	-42		1962.64	1958.89

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CONSTRUCTABILITY FIELD REVIEW

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 13 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 270+00 TO STA. 283+00

SCALE: 1"= 50'

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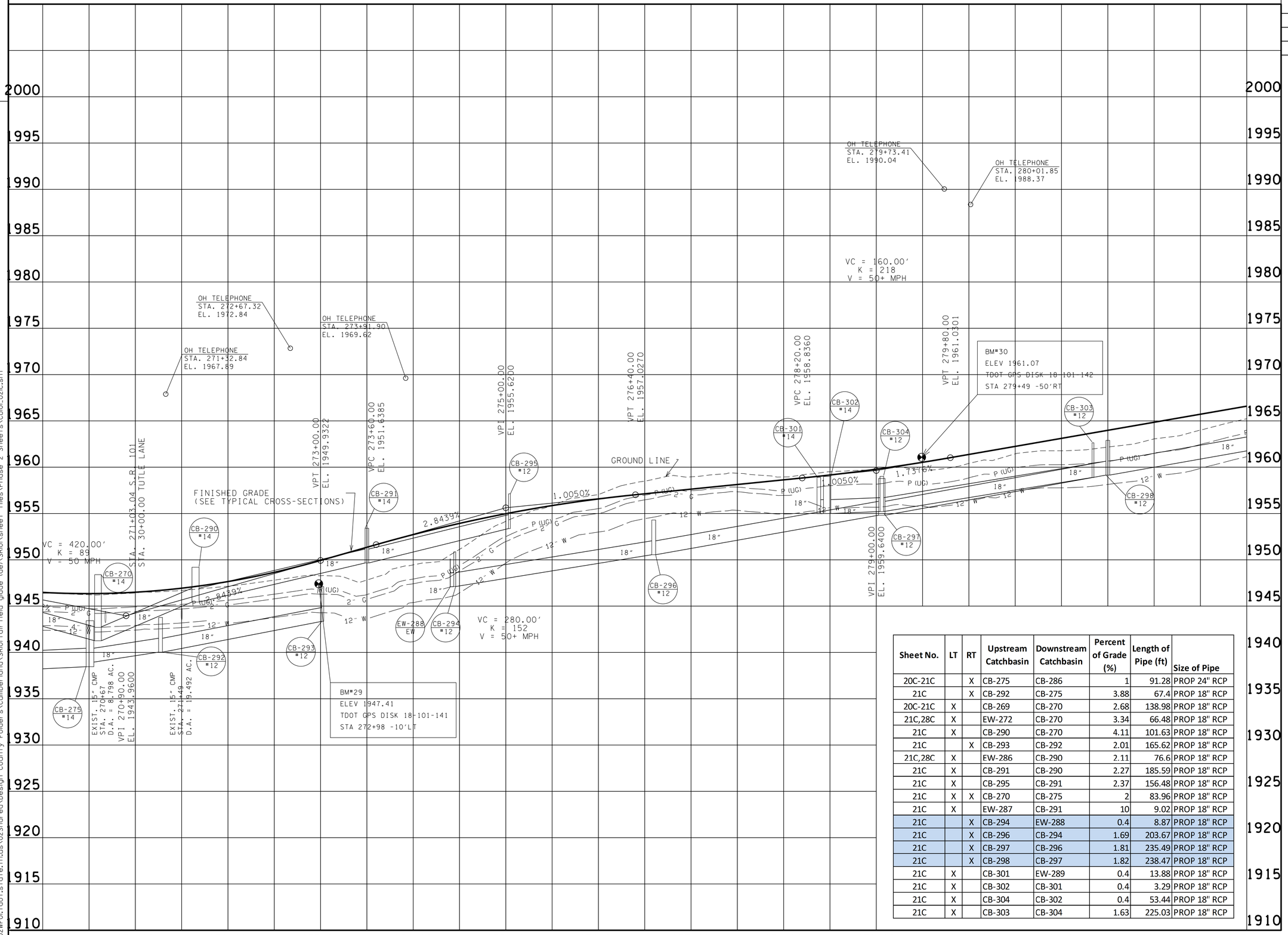
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	21C
CONST	2016	STP-101(17)	21C

REV. 04-10-13- DESIGN STORM SYSTEM AND ADDED LABELING. ADDED PIPE TABLE.
REV. 09-05-14- REVISED PIPE TABLE.
REV. 06-27-16- REVISED PROP DRAIN PER CONST REQ.



Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
20C-21C		X	CB-275	CB-286	1	91.28	PROP 24" RCP
21C		X	CB-292	CB-275	3.88	67.4	PROP 18" RCP
20C-21C	X		CB-269	CB-270	2.68	138.98	PROP 18" RCP
21C,28C	X		EW-272	CB-270	3.34	66.48	PROP 18" RCP
21C	X		CB-290	CB-270	4.11	101.63	PROP 18" RCP
21C		X	CB-293	CB-292	2.01	165.62	PROP 18" RCP
21C,28C	X		EW-286	CB-290	2.11	76.6	PROP 18" RCP
21C	X		CB-291	CB-290	2.27	185.59	PROP 18" RCP
21C	X		CB-295	CB-291	2.37	156.48	PROP 18" RCP
21C	X	X	CB-270	CB-275	2	83.96	PROP 18" RCP
21C	X		EW-287	CB-291	10	9.02	PROP 18" RCP
21C		X	CB-294	EW-288	0.4	8.87	PROP 18" RCP
21C		X	CB-296	CB-294	1.69	203.67	PROP 18" RCP
21C		X	CB-297	CB-296	1.81	235.49	PROP 18" RCP
21C		X	CB-298	CB-297	1.82	238.47	PROP 18" RCP
21C	X		CB-301	EW-289	0.4	13.88	PROP 18" RCP
21C	X		CB-302	CB-301	0.4	3.29	PROP 18" RCP
21C	X		CB-304	CB-302	0.4	53.44	PROP 18" RCP
21C	X		CB-303	CB-304	1.63	225.03	PROP 18" RCP

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FIELD
REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 270+00 TO STA. 283+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.	2011	STP-101(17)	22
CONST	2016	STP-101(17)	22

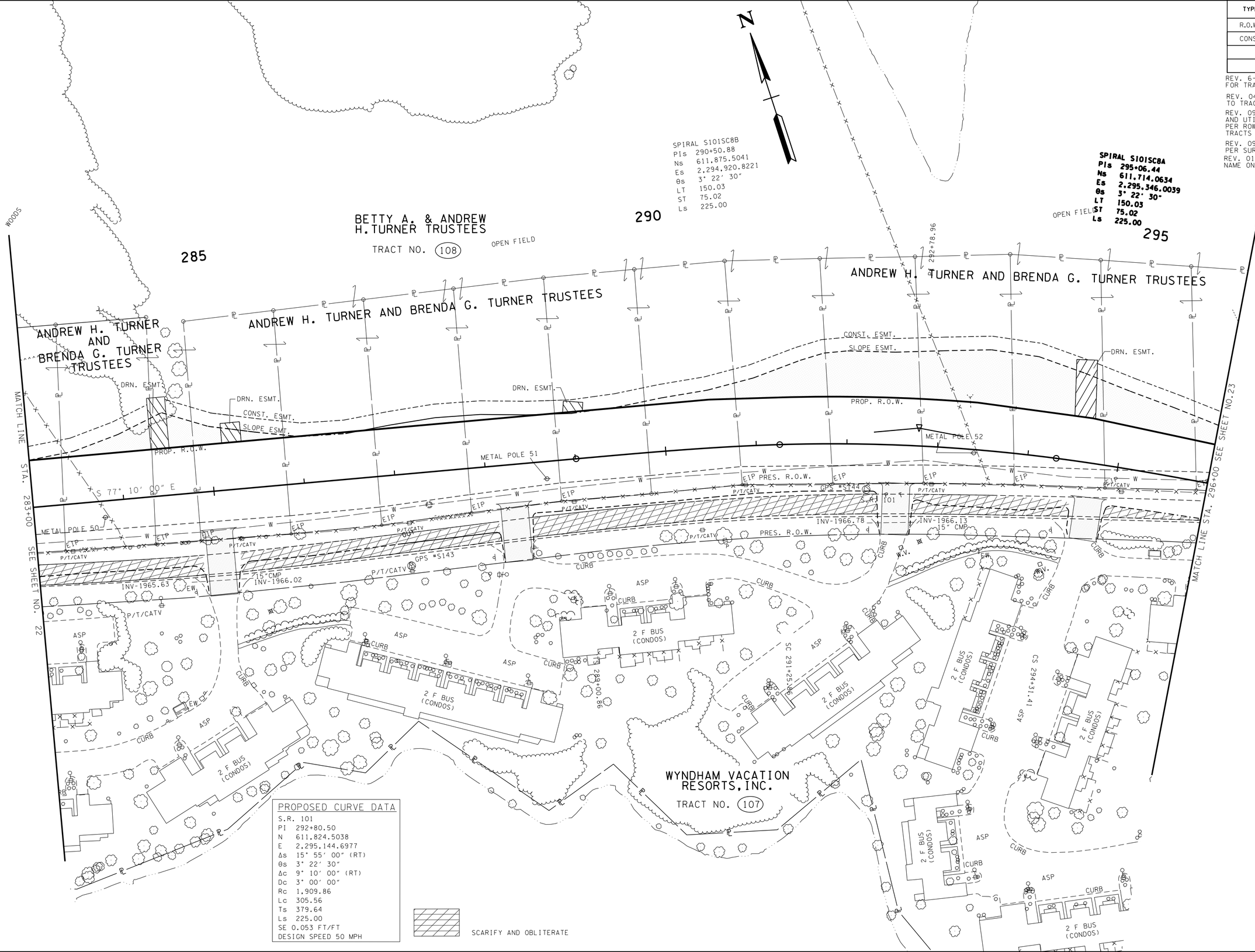
REV. 6-15-12: UPDATED PROPERTY OWNER NAME FOR TRACT 107.

REV. 04-10-13: ADDED DRAIN EASMT TO TRACT 108.

REV. 09-05-14: ADDED LOTS TO TRACT 108 AND UTILITY EASMT TO TRACT 108 PER ROW REQ. REVISED PRESENT ROW FOR TRACTS 108.

REV. 09-17-15:ADDED SPIRAL CURVE DATA PER SURVEY REQ.

REV. 01-05-16:REVISED PROPERTY OWNERS NAME ON TRACT 107 PER ROW REQ.



PROPOSED CURVE DATA

S.R.	101
PI	292+80.50
N	611,824.5038
E	2,295,144.6977
Δs	15° 55' 00" (RT)
θs	3° 22' 30"
Δc	9° 10' 00" (RT)
Dc	3° 00' 00"
Rc	1,909.86
Lc	305.56
Ts	379.64
Ls	225.00
SE	0.053 FT/FT
DESIGN SPEED	50 MPH

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CONSTRUCTABILITY FIELD REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 283+00 TO STA. 296+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.	2011	STP-101(17)	22A
CONST	2016	STP-101(17)	22A

REV. 6-15-12: UPDATED PROPERTY OWNER NAME FOR TRACT 107.

REV. 04-10-13: ADDED DRAIN. EASMT ON TRACT 108.

REV. 09-05-14: ADDED LOTS TO TRACT 108 AND UTILITY EASMT TO TRACT 108 PER ROW REQ. REVISED PRESENT ROW FOR TRACTS 108.

REV. 09-17-15:ADDED SPIRAL CURVE DATA PER SURVEY REQ.

REV. 01-05-16:REVISED PROPERTY OWNERS NAME ON TRACT 107 PER ROW REQ.

PROPOSED CURVE DATA
S.R. 101
PI 292+80.50
N 611,824.5038
E 2,295,144.6977
Δs 15° 55' 00" (RT)
θs 3° 22' 30"
Δc 9° 10' 00" (RT)
Dc 3° 00' 00"
Rc 1,909.86
Lc 305.56
Ts 379.64
Ls 225.00
SE 0.053 FT/FT
DESIGN SPEED 50 MPH

INSET KK
N 77° 12' 9" W 21.50'
285+13.21 73.82'
285+34.71 73.83'
S 12° 49' 35" W 21.82'
S 12° 49' 35" W 21.83'
285+13.21 52.00'
285+34.71 52.00'
N 77° 10' 0" W 21.50'

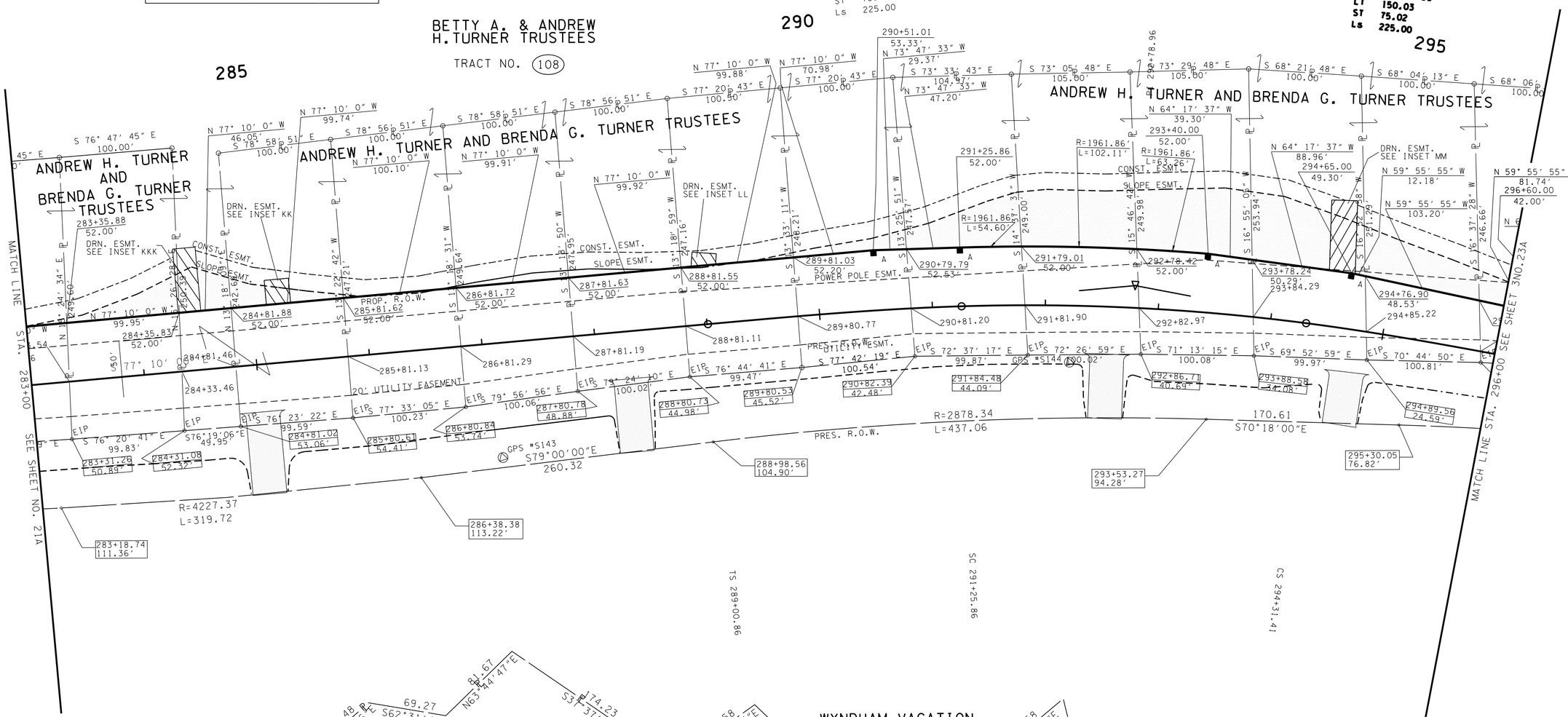
INSET LL
N 68° 13' 3" W 21.50'
288+92.51 64.70'
289+13.74 61.36'
S 21° 46' 59" W 12.86'
S 21° 46' 59" W 9.47'
288+90.51 52.00'
289+12.27 52.00'
N 77° 10' 0" W 10.35'
S 77° 10' 0" E 11.42'
289+00.86 21.75'

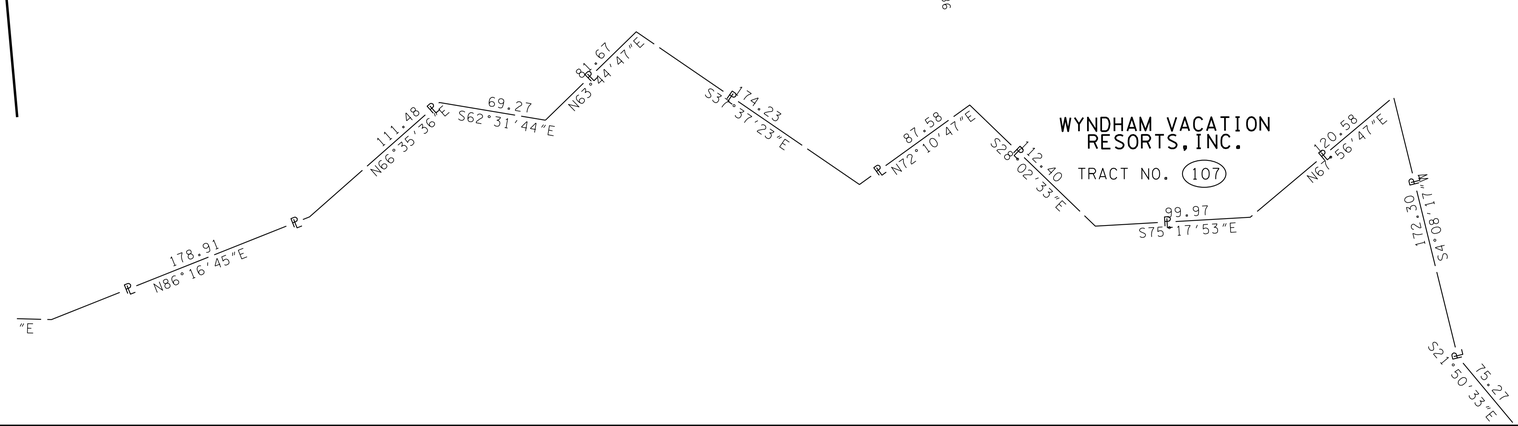
INSET MM
N 70° 5' 58" W 22.92'
294+39.45 111.10'
294+61.07 113.50'
N 19° 54' 2" E 62.24'
N 19° 54' 2" E 64.81'
294+45.49 49.18'
294+68.04 49.10'
N 64° 17' 37" W 19.96'
S 59° 55' 55" E 3.11'
294+65.00 49.30'

INSET KKK
S 77° 10' 0" E 20.00'
284+34.91 108.69'
284+54.91 108.69'
S 12° 50' 0" W 56.68'
N 12° 50' 0" E 56.68'
284+34.91 52.00'
284+54.91 52.00'

SPIRAL S101SC8B
PIs 290+50.88
Ns 611,875.5041
Es 2,294,920.8221
θs 3° 22' 30"
LT 150.03
ST 75.02
Ls 225.00

SPIRAL S101SC8A
PIs 295+06.44
Ns 611,714.0634
Es 2,295,346.0039
θs 3° 22' 30"
LT 150.03
ST 75.02
Ls 225.00





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CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 283+00 TO STA. 296+00

SCALE: 1"= 50'

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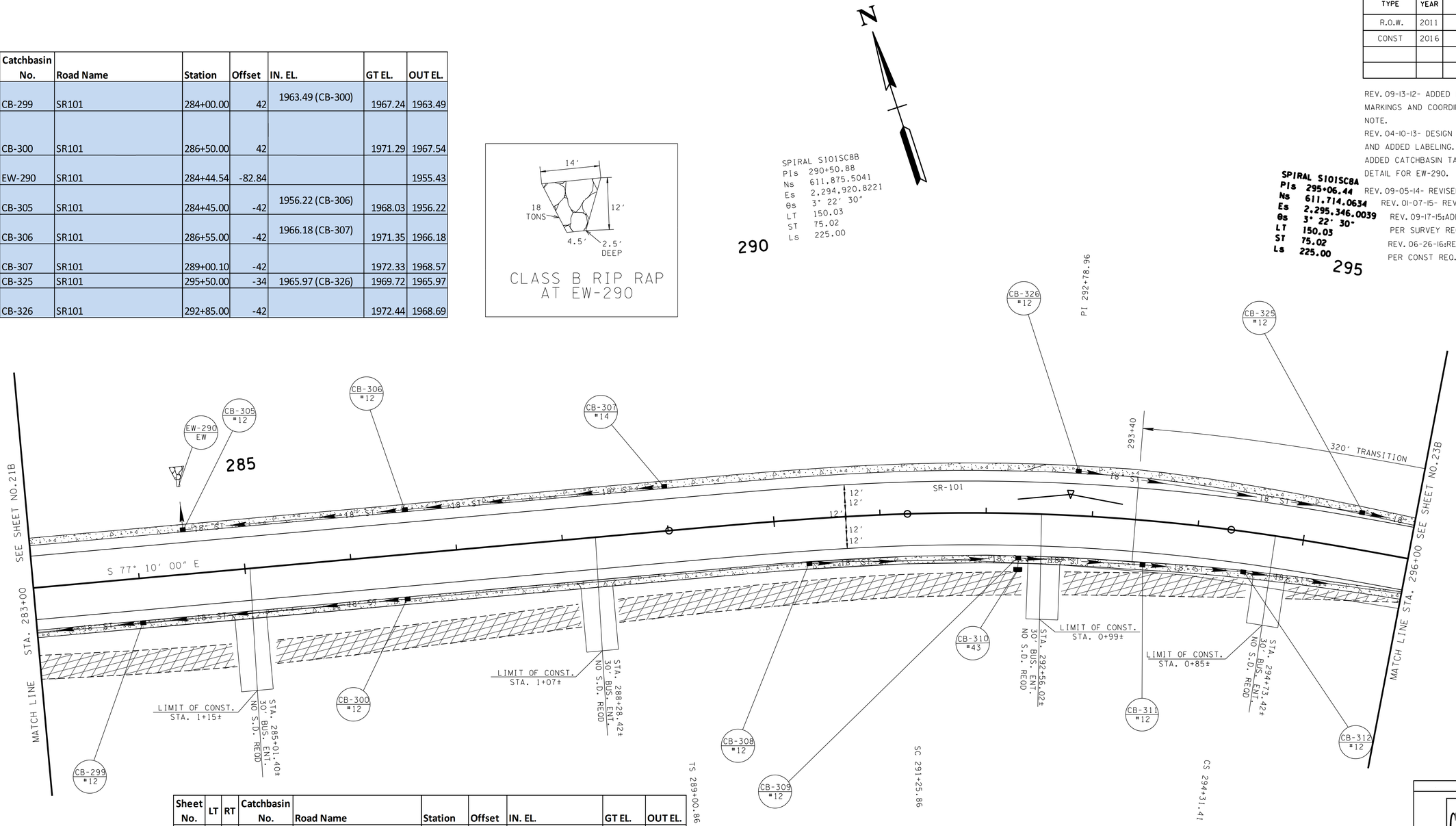
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	22B
CONST	2016	STP-101(17)	22B

REV. 09-13-12- ADDED PAVMT MARKINGS AND COORDINATE NOTE.
REV. 04-10-13- DESIGN STORM SYSTEM AND ADDED LABELING. ADDED SCARIFICATION. ADDED CATCHBASIN TABLE. ADDED RIP RAP DETAIL FOR EW-290.
REV. 09-05-14- REVISED CB TABLE.
REV. 01-07-15- REVISED CB TABLE.
REV. 09-17-15:ADDED SPIRAL CURVE DATA PER SURVEY REQ.
REV. 06-26-16:REVISED PROP DRAIN PER CONST REQ.

Sheet No.	LT	RT	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
22B		X	CB-299	SR101	284+00.00	42	1963.49 (CB-300)	1967.24	1963.49
22B		X	CB-300	SR101	286+50.00	42		1971.29	1967.54
22B	X		EW-290	SR101	284+44.54	-82.84			1955.43
22B	X		CB-305	SR101	284+45.00	-42	1956.22 (CB-306)	1968.03	1956.22
22B	X		CB-306	SR101	286+55.00	-42	1966.18 (CB-307)	1971.35	1966.18
22B	X		CB-307	SR101	289+00.10	-42		1972.33	1968.57
22B	X		CB-325	SR101	295+50.00	-34	1965.97 (CB-326)	1969.72	1965.97
22B	X		CB-326	SR101	292+85.00	-42		1972.44	1968.69



Sheet No.	LT	RT	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
22B		X	CB-312	SR101	294+48.00	37		1968.33	1963.37
22B		X	CB-311	SR101	293+51.00	42	1963.73 (CB-309)	1968.49	1963.73
22B		X	CB-309	SR101	292+31.20	42	1964.18 (CB-308) 1964.18 (CB-310)	1969.24	1964.18
22B		X	CB-310	SR101	292+31.00	52.73		1968.67	1964.91
22B		X	CB-308	SR101	290+30.51	42		1971.53	1967.78

PROPOSED CURVE DATA
S.R. 101
PI 292+80.50
N 611,824.5038
E 2,295,144.6977
Δs 15° 55' 00" (RT)
θs 3° 22' 30"
Δc 9° 10' 00" (RT)
Dc 3° 00' 00"
Rc 1,909.86
Lc 305.56
Ts 379.64
Ls 225.00
SE 0.053 FT/FT
DESIGN SPEED 50 MPH

SCARIFY AND OBLITERATE

Sheet No.	LT	RT	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
23B		X	EW-291	SR101	301+56.00	54.76			1954
23B		X	CB-319	SR101	301+50.00	31	1954.44 (CB-315) 1956.73 (CB-316)	1960.88	1954.44
23B		X	CB-315	SR101	299+31.00	31	1956.59 (CB-314) 1959.34 (CB-318)	1963.96	1956.59
23B		X	CB-316	SR101	301+75.00	31		1960.84	1957.08
23B		X	CB-314	SR101	297+85.00	31	1958.69 (CB-365)	1966.48	1958.69
23B		X	CB-318	SR101	299+32.88	46.4		1963.23	1959.4
23B		X	CB-365	SR101	297+20.00	31	1958.92 (CB-313)	1967.21	1958.92
23B		X	CB-313	SR101	296+42.00	31	1959.20 (CB-312)	1968.18	1959.2

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 283+00 TO STA. 296+00

SCALE: 1"= 50'

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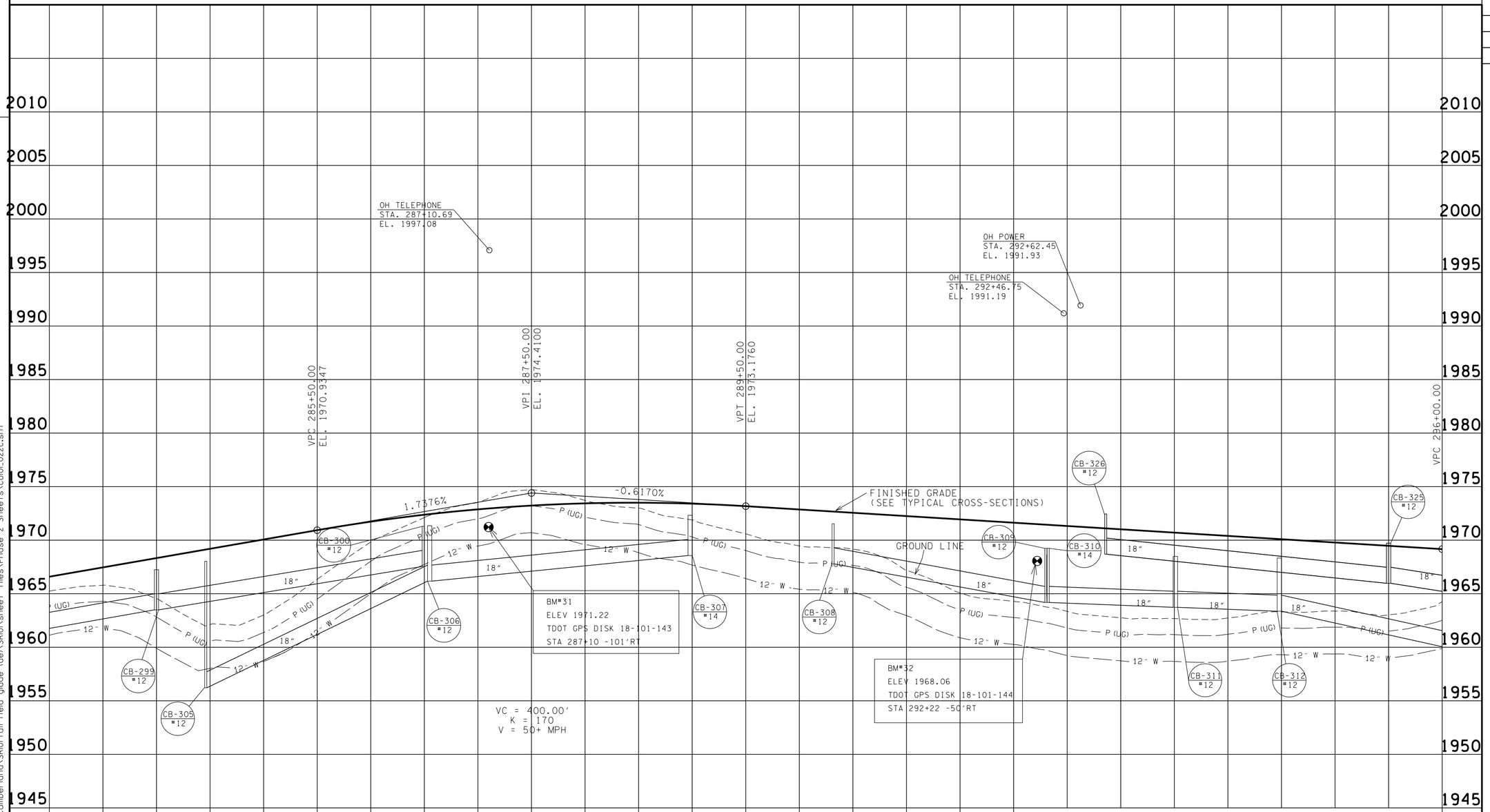
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	22C
CONST	2016	STP-101(17)	22C

REV. 04-10-13- DESIGN STORM SYSTEM AND ADDED LABELING. ADDED PIPE TABLE.
REV. 09-05-14- REVISED PIPE TABLE.
REV. 01-07-15- REVISED PIPE TABLE.
REV. 06-27-16- REVISED PROP DRAIN PER CONST REQ.



Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
21C-22C		X	CB-299	CB-298	1.77	246	PROP 18" RCP
22C		X	CB-300	CB-299	1.65	246	PROP 18" RCP
22C	X		CB-305	EW-290	2	39.38	PROP 18" RCP
22C	X		CB-306	CB-305	4.83	206	PROP 18" RCP
22C	X		CB-307	CB-306	1	239.1	PROP 18" RCP
22C-23C		X	CB-312	CB-313	2.23	186.79	PROP 18" RCP
22C		X	CB-311	CB-312	0.4	91.06	PROP 18" RCP
22C		X	CB-309	CB-311	0.4	113.15	PROP 18" RCP
22C		X	CB-310	CB-309	10	7.27	PROP 18" RCP
22C		X	CB-308	CB-309	1.87	192.65	PROP 18" RCP
22C-23C	X		CB-325	CB-324	1.56	206.45	PROP 18" RCP
22C	X		CB-326	CB-325	1.02	265.66	PROP 18" RCP

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 283+00 TO STA. 296+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

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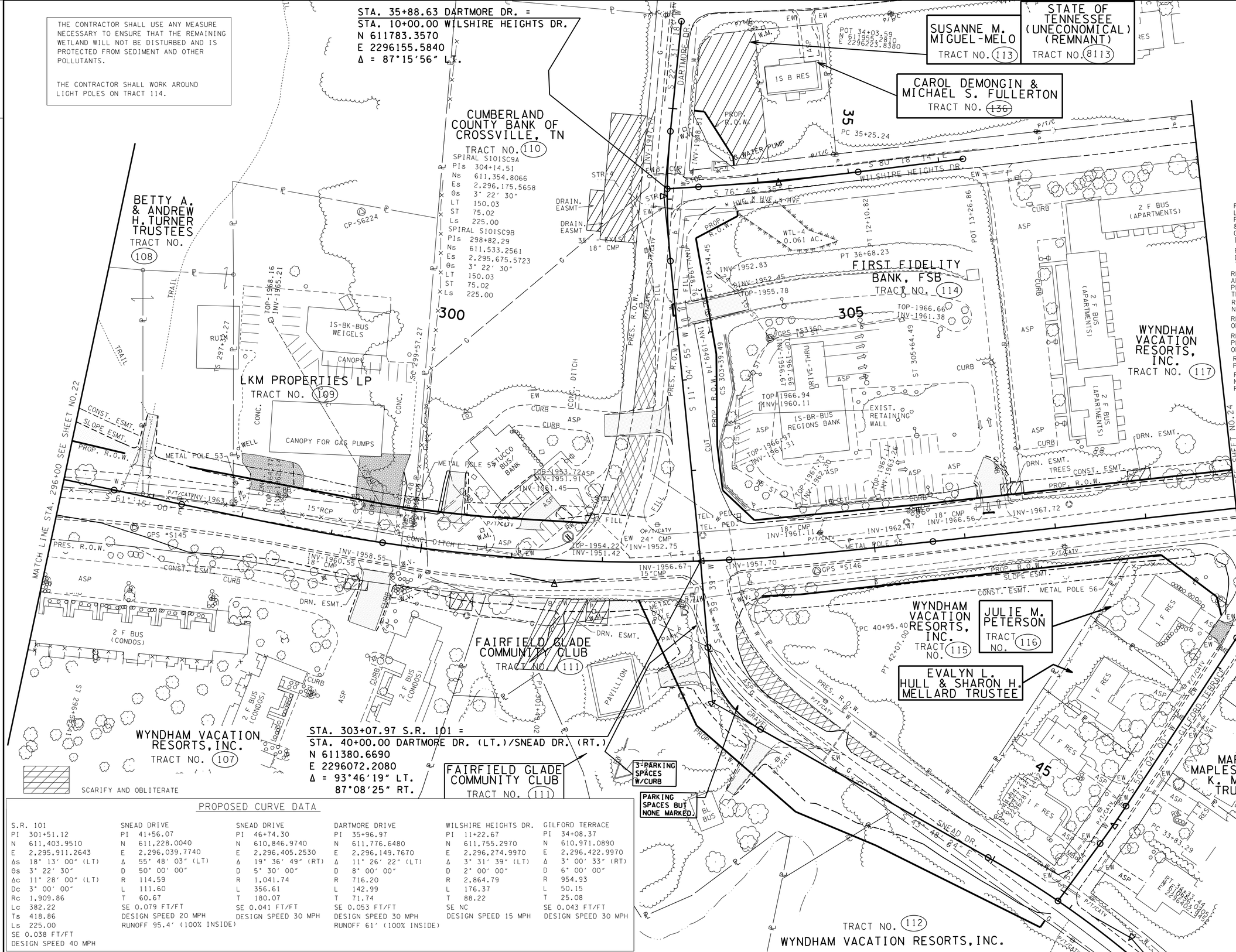
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT THE REMAINING WETLAND WILL NOT BE DISTURBED AND IS PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS.

THE CONTRACTOR SHALL WORK AROUND LIGHT POLES ON TRACT 114.



PROPOSED CURVE DATA

S.R. 101	SNEAD DRIVE	SNEAD DRIVE	DARTMORE DRIVE	WILSHIRE HEIGHTS DR.	GILFORD TERRACE
PI 301+51.12	PI 41+56.07	PI 46+74.30	PI 35+96.97	PI 11+22.67	PI 34+08.37
N 611,403.9510	N 611,228.0040	N 610,846.9740	N 611,776.6480	N 611,755.2970	N 610,971.0890
E 2,295,911.2643	E 2,296,039.7740	E 2,296,405.2530	E 2,296,149.7670	E 2,296,274.9970	E 2,296,422.9970
Δs 18° 13' 00" (LT)	Δ 55° 48' 03" (LT)	Δ 19° 36' 49" (RT)	Δ 11° 26' 22" (LT)	Δ 3° 31' 39" (LT)	Δ 3° 00' 33" (RT)
θs 3° 22' 30"	D 50° 00' 00"	D 5° 30' 00"	D 8° 00' 00"	D 2° 00' 00"	D 6° 00' 00"
Δc 11° 28' 00" (LT)	R 114.59	R 1,041.74	R 716.20	R 2,864.79	R 954.93
Dc 3° 00' 00"	L 111.60	L 356.61	L 142.99	L 176.37	L 50.15
Rc 1,909.86	T 60.67	T 180.07	T 71.74	T 88.22	T 25.08
Lc 382.22	SE 0.079 FT/FT	SE 0.041 FT/FT	SE 0.053 FT/FT	SE NC	SE 0.043 FT/FT
Ts 418.86	DESIGN SPEED 20 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 15 MPH	DESIGN SPEED 30 MPH
Ls 225.00	RUNOFF 95.4' (100% INSIDE)		RUNOFF 61' (100% INSIDE)		
SE 0.038 FT/FT					
DESIGN SPEED 40 MPH					

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	23
CONST	2016	STP-101(17)	23

REV. 2-29-12: LOCATED BUILDING, PARKING LOT, AND PARKING SPACES ON TRACT 109. LOCATED PARKING SPACES ON TRACTS 110 AND 114. REMOVED ONE STORY STUCCO BUS. FROM TRACT 114.
REV. 6-15-12: UPDATED PROPERTY OWNER NAME FOR TRACTS 107 AND 113.

REV. 09-12-12: REMOVED DRIVEWAY FROM TRACT 114 AT STA. 304+73.92±. REMOVED DRIVEWAY FROM TRACT 109 AND ADDED 2- DRIVEWAYS TO TRACT 109. ADDED RETAINING WALL AND EXIST. DRAINAGE STRUCTURE TO TRACT 114. ADDED TRACT 111 FOR PARKING SPACES. REVISED SLOPE LINES, DRIVEWAYS, EASMTS AND PROP ROW TO DARTMORE DRIVE. ADDED HV-FENCE FOR WTL-4. ADDED NOTE.

REV. 10-26-12: ADDED SIGNS AND TELEPHONE & LABELED PARKING AREAS ON TRACT 111. REMOVED PROP. DRAINAGE EASEMENTS LEFT OF STA 303+50± & 305+00±, CHANGED SLOPES ON DARTMORE DR., CHANGED PROP R.O.W. AND UPDATED SITE IMPROVEMENTS ON TRACT 114

REV. 04-10-13: REVISED SLOPE LINES TO DARTMORE. ADDED DRAIN EASMT TO TRACT 110 AND 111.

REV. 09-05-14: ADDED LOTS TO TRACT 108 AND UTILITY EASMT TO TRACT 108 PER ROW REQ. REVISED PRESENT ROW FOR TRACTS 108, 109, AND 110.

REV. 05-26-15: REVISED PROPERTY OWNERS NAME ON TRACT 116 PER ROW REQ.

REV. 08-24-15: ADDED NOTE FOR LIGHT POLES ON TRACT 114 PER ROW REQ.

REV. 09-17-15:ADDED SPIRAL CURVE DATA PER SURVEY REQ. REVISED DRIVEWAY SHAPES ON TRACT 109.

REV. 10-06-15:UPDATED PIPE INFO PER SURVEY REQ.

REV. 01-05-16:REVISED PROPERTY OWNERS NAME ON TRACT 107,112,115,AND 117 PER ROW REQ.

REV. 04-06-16:ADDED TRACT 8113 PER ROW REQ.

REV. 05-09-16:REMOVED WWC-9 PER ECOLOGY REQ.

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CONSTRUCTABILITY FIELD REVIEW

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. 296+00 TO STA. 309+00

SCALE: 1"= 50'

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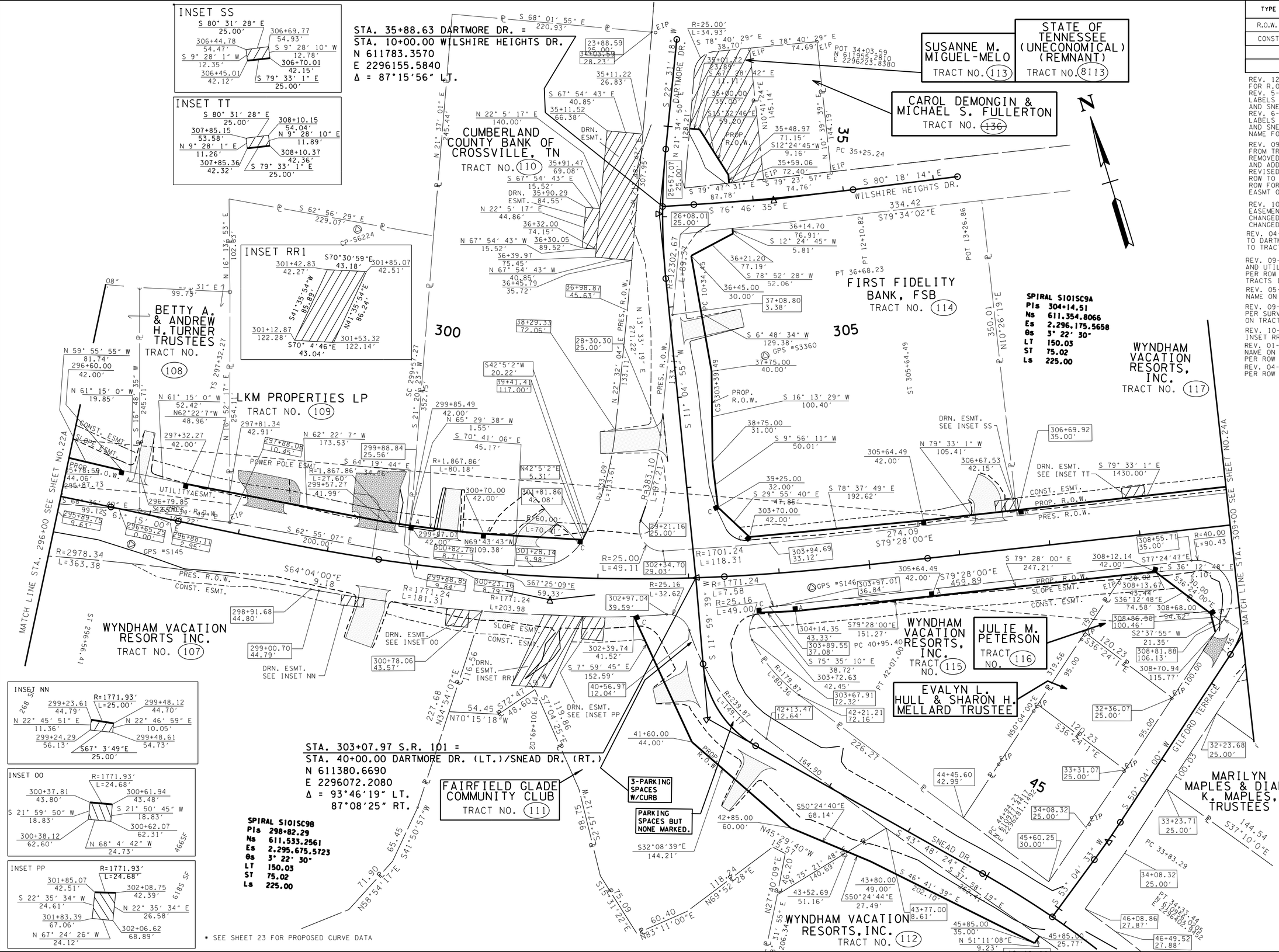
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	23A
CONST	2016	STP-101(17)	23A

REV. 12-19-11: CORRECTED STATION/OFFSET FOR R.O.W. MARKER, STA. 300+70, LT.
REV. 5-11-12: CORRECTED STATION/OFFSET LABELS FOR PRES. R.O.W. ON DARTMORE DR. AND SNEAD DR.
REV. 6-15-12: CORRECTED STA. AND OFFSET LABELS FOR PRES. R.O.W. ON DARTMORE DR. AND SNEAD DR. UPDATED PROPERTY OWNER NAME FOR TRACTS 107 AND 113.

REV. 09-12-12: REMOVE DRIVEWAY FROM TRACT 114 AT STA. 304+73.92±. REMOVED DRIVEWAY ON TRACT 109 AND ADDED 2 DRIVEWAYS TO TRACT 109 REVISED SLOPE LINES, DRIVEWAYS, PROP ROW TO DRAIN EASMT FOR TRACT 110, PROP ROW FOR TRACT 113, AND REMOVED CONST EASMT ON TRACT 114 ON DARTMORE DRIVE.

REV. 10-26-12: REMOVED PROP. DRAINAGE EASEMENT LEFT OF STA 303+50± AND 305+00± CHANGED SLOPES ON DARTMORE DR. AND CHANGED PROP R.O.W. ON TRACT 114.

REV. 04-10-13: REVISED SLOPE LINES TO DARTMORE. ADDED DRAIN EASMT TO TRACT 110 AND 111

REV. 09-05-14: ADDED LOTS TO TRACT 108 AND UTILITY EASMT TO TRACT 108 PER ROW REQ. REVISED PRESENT ROW FOR TRACTS 108, 109, AND 110.

REV. 05-26-15: REVISED PROPERTY OWNERS NAME ON TRACT 116 PER ROW REQ.

REV. 09-17-15:ADDED SPIRAL CURVE DATA PER SURVEY REQ. REVISED DRIVEWAY SHAPES ON TRACT 109.

REV. 10-06-15:REMOVED INSET QQ AND INSET RR DETAILS PER SURVEY REQ.

REV. 01-05-16:REVISED PROPERTY OWNERS NAME ON TRACT 107,112,115,AND 117 PER ROW REQ.

REV. 04-06-16:ADDED TRACT 8113 PER ROW REQ.

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CONSTRUCTABILITY FIELD REVIEW

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. 296+00 TO STA. 309+00

SCALE: 1"= 50'

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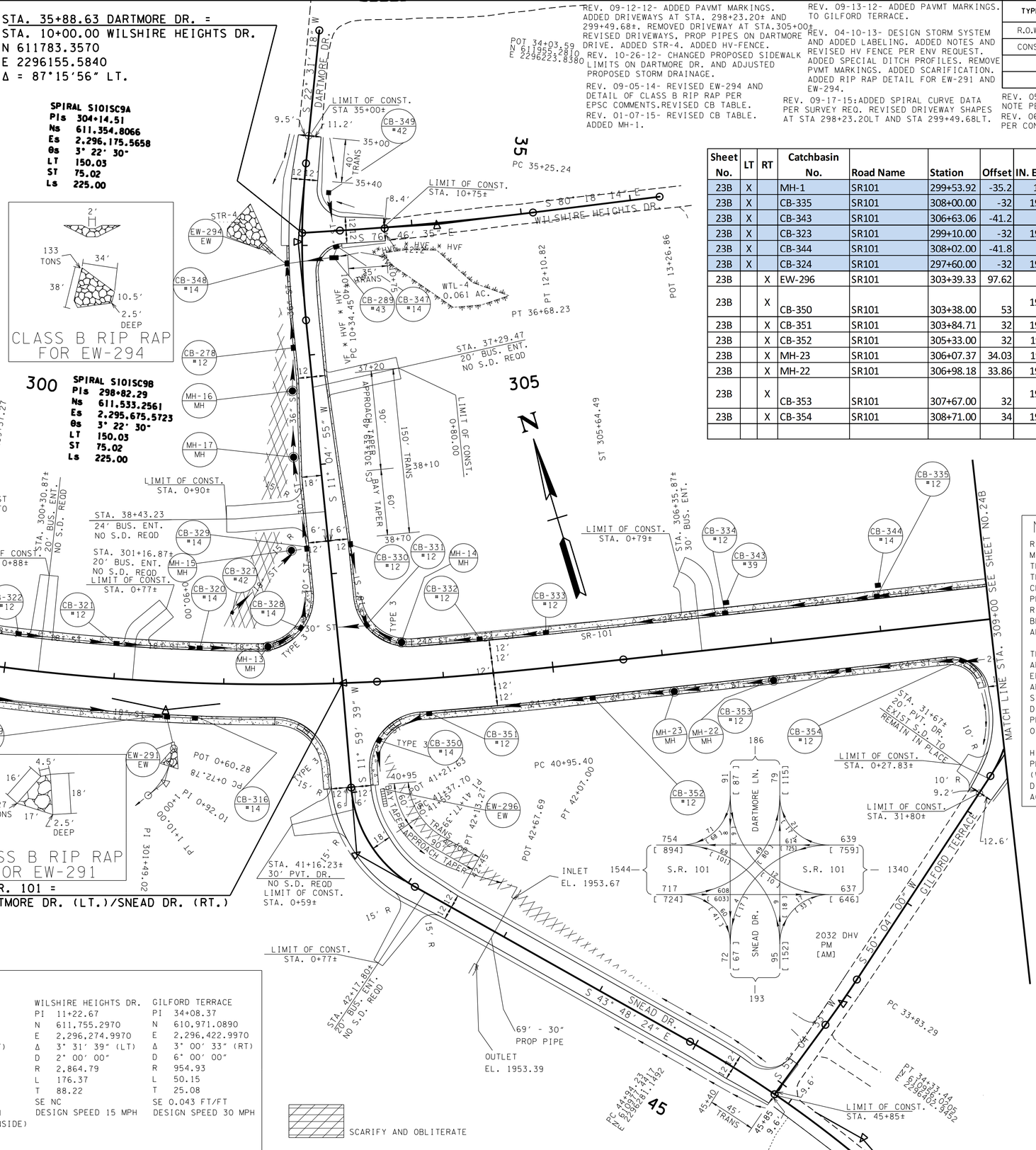
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

Sheet No.	LT	RT	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
23B		X	EW-294	DARTMORE RD	36+06.19	28.04			1942.47
23B		X	CB-348	DARTMORE RD	36+16.00	13	1946.05 (CB-278) 1943.53 (CB-289)	1951.47	1942.53
23B		X	CB-278	DARTMORE RD	36+92.00	15	1946.78 (MH-16)	1952.2	1946.33
23B	X		CB-289	DARTMORE RD	36+11.79	-28.9	1943.68 (CB-347)	1949	1943.68
23B	X		MH-16	SR101	302+65.67	-267	1947.45 (MH-17)	1952.56	1946.95
23B	X		CB-347	DARTMORE RD	36+00.40	-30.8	1943.74 (CB-349)	1950.42	1943.74
23B	X		MH-17	SR101	302+66.03	-207	1949.68 (CB-329)	1954.79	1947.98
23B	X		CB-349	DARTMORE RD	35+50.50	-22.7		1949.27	1944.02
23B		X	CB-329	DARTMORE RD	38+75.00	21	1951.07 (MH-15) 1952.34 (CB-328)	1958.41	1950.07
23B		X	CB-328	DARTMORE RD	39+47.00	31.81	1952.69 (CB-331) 1953.64 (MH-13)	1959.08	1952.6
23B	X		MH-15	SR101	302+62.86	-122	1951.09 (CB-327)	1958.01	1951.09
23B	X		CB-331	DARTMORE RD	39+50.00	-26.6	1955.30 (MH-14) 1954.39 (CB-330)	1959.64	1953.35
23B	X		MH-13	SR101	302+40.20	-34.3	1954.38 (CB-320)	1959.24	1954.2
23B		X	CB-327	DARTMORE RD	39+26.25	93.39		1954.27	1951.39
23B	X		MH-14	SR101	303+63.95	-34.5	1956.51 (CB-332)	1961.12	1955.61
23B	X		CB-330	DARTMORE RD	38+75.00	-19		1958.54	1954.75
23B	X		CB-320	SR101	301+77.00	-32	1954.70 (CB-321)	1958.56	1954.6
23B	X		CB-332	SR101	304+36.00	-33	1958.61 (CB-333)	1963.29	1957.17
23B	X		CB-321	SR101	301+00.00	-32	1955.22 (CB-322)	1958.88	1955.22
23B	X		CB-333	SR101	304+97.00	-32	1960.48 (CB-334)	1964.82	1959.18
23B	X		CB-322	SR101	300+09.00	-32	1956.44 (MH-1)	1960.11	1956.44
23B	X		CB-334	DARTMORE RD	306+61.00	-32	1966.08 (CB-343) 1966.02 (CB-335)	1970.35	1962.08

STA. 35+88.63 DARTMORE DR. =
STA. 10+00.00 WILSHIRE HEIGHTS DR.
N 611783.3570
E 2296155.5840
Δ = 87°15'56" LT.

SPIRAL S101SC9A
Pls 304+14.51
Ns 611,354.8066
Es 2,296,175.5658
θs 3° 22' 30"
LT 150.03
ST 75.02
Ls 225.00

SPIRAL S101SC98
Pls 298+82.29
Ns 611,533.2561
Es 2,295,675.5723
θs 3° 22' 30"
LT 150.03
ST 75.02
Ls 225.00



PROPOSED CURVE DATA

S.R. 101	SNEAD DRIVE	SNEAD DRIVE	DARTMORE DRIVE	WILSHIRE HEIGHTS DR.	GILFORD TERRACE
PI 301+51.12	PI 41+56.07	PI 46+74.30	PI 35+96.97	PI 11+22.67	PI 34+08.37
N 611,403.9510	N 611,228.0040	N 610,846.9740	N 611,776.6480	N 611,755.2970	N 610,971.0890
E 2,295,911.2643	E 2,296,039.7740	E 2,296,405.2530	E 2,296,149.7670	E 2,296,274.9970	E 2,296,422.9970
Δs 18° 13' 00" (LT)	Δ 55° 48' 03" (LT)	Δ 19° 36' 49" (RT)	Δ 11° 26' 22" (LT)	Δ 3° 31' 39" (LT)	Δ 3° 00' 33" (RT)
θs 3° 22' 30"	D 50° 00' 00"	D 5° 30' 00"	D 8° 00' 00"	D 2° 00' 00"	D 6° 00' 00"
Δc 11° 28' 00" (LT)	R 114.59	R 1,041.74	R 716.20	R 2,864.79	R 954.93
Dc 3° 00' 00"	L 111.60	L 356.61	L 142.99	L 176.37	L 50.15
Rc 1,909.86	T 60.67	T 180.07	T 71.74	T 88.22	T 25.08
Lc 382.22	SE 0.079 FT/FT	SE 0.041 FT/FT	SE 0.053 FT/FT	SE NC	SE 0.043 FT/FT
Ts 418.86	DESIGN SPEED 20 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 15 MPH	DESIGN SPEED 30 MPH
Ls 225.00	RUNOFF 95.4' (100% INSIDE)		RUNOFF 61' (100% INSIDE)		
SE 0.038 FT/FT					
DESIGN SPEED 40 MPH					

SCARIFY AND OBLITERATE

REV. 09-12-12- ADDED PAVMT MARKINGS. ADDED DRIVEWAYS AT STA. 298+23.20± AND 299+49.68±. REMOVED DRIVEWAY AT STA.305+00±. REVISED DRIVEWAYS. PROP PIPES ON DARTMORE DRIVE. ADDED STR-4. ADDED HV-FENCE.
REV. 10-26-12- CHANGED PROPOSED SIDEWALK LIMITS ON DARTMORE DR. AND ADJUSTED PROPOSED STORM DRAINAGE.
REV. 09-05-14- REVISED EW-294 AND DETAIL OF CLASS B RIP RAP PER EPSC COMMENTS.REVISED CB TABLE.
REV. 01-07-15- REVISED CB TABLE. ADDED MH-1.
REV. 09-13-12- ADDED PAVMT MARKINGS. TO GILFORD TERRACE.
REV. 04-10-13- DESIGN STORM SYSTEM AND ADDED LABELING. ADDED NOTES AND REVISED HV FENCE PER ENV REQUEST. ADDED SPECIAL DITCH PROFILES. REMOVE PVMT MARKINGS. ADDED SCARIFICATION. ADDED RIP RAP DETAIL FOR EW-291 AND EW-294.
REV. 09-17-15:ADDED SPIRAL CURVE DATA PER SURVEY REQ. REVISED DRIVEWAY SHAPES AT STA 298+23.20LT AND STA 299+49.68LT.
REV. 05-27-16:ADDED EMBEDDED RIP RAP NOTE PER PERMITS REQ.
REV. 06-27-16:REVISED PROP DRAIN PER CONST REQ.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	23B
CONST	2016	STP-101(17)	23B

Sheet No.	LT	RT	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
23B	X		MH-1	SR101	299+53.92	-35.2	1957.64 (MH-1)	1961.79	1957.64
23B	X		CB-335	SR101	308+00.00	-32	1970.15 (CB-334)	1975.05	1967.37
23B	X		CB-343	SR101	306+63.06	-41.2		1970.32	1966.16
23B	X		CB-323	SR101	299+10.00	-32	1959.18 (CB-324)	1962.84	1959.17
23B	X		CB-344	SR101	308+02.00	-41.8		1974.4	1970.24
23B	X		CB-324	SR101	297+60.00	-32	1962.75 (CB-325)	1966.55	1962.75
23B		X	EW-296	SR101	303+39.33	97.62			1956.99
23B		X	CB-350	SR101	303+38.00	53	1957.15 (CB-351)	1961.41	1957.15
23B		X	CB-351	SR101	303+84.71	32	1958.67 (CB-352)	1962.92	1957.61
23B		X	CB-352	SR101	305+33.00	32	1962.03 (MH-23)	1966.27	1960.12
23B		X	MH-23	SR101	306+07.37	34.03	1964.38 (MH-22)	1968.99	1963.06
23B		X	MH-22	SR101	306+98.18	33.86	1967.44 (CB-353)	1972.05	1965.22
23B		X	CB-353	SR101	307+67.00	32	1969.68 (CB-354)	1973.93	1968.71
23B		X	CB-354	SR101	308+71.00	34	1973.59 (CB-355)	1977.84	1970.68

NOTES

RIP-RAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. VOIDS WITHIN THE RIP-RAP SHALL BE FILLED WITH CREEK GRAVEL, IF AVAILABLE, TO PREVENT LOSS OF STREAM WITHIN RIP-RAP AREAS. CREEK GRAVEL CAN BE REMOVED FROM CULVERT EXCAVATION AREA.

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT THE WETLAND (WTL-4) AND NON-AFFECTED PORTIONS OF STREAM (STR-4) WILL NOT BE DISTURBED AND WILL BE PROTECTED FROM SEDIMENT AND OTHERPOLLUTANTS.

HIGH VISIBILITY FENCE SHALL BE PLACED ALONG THESE FEATURES (WITHIN R.O.W.) THAT IS NOT BE DISTURBED BEFORE CONSTRUCTION ACTIVITIES BEGIN.

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CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 296+00 TO STA. 309+00

SCALE: 1"= 50'

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

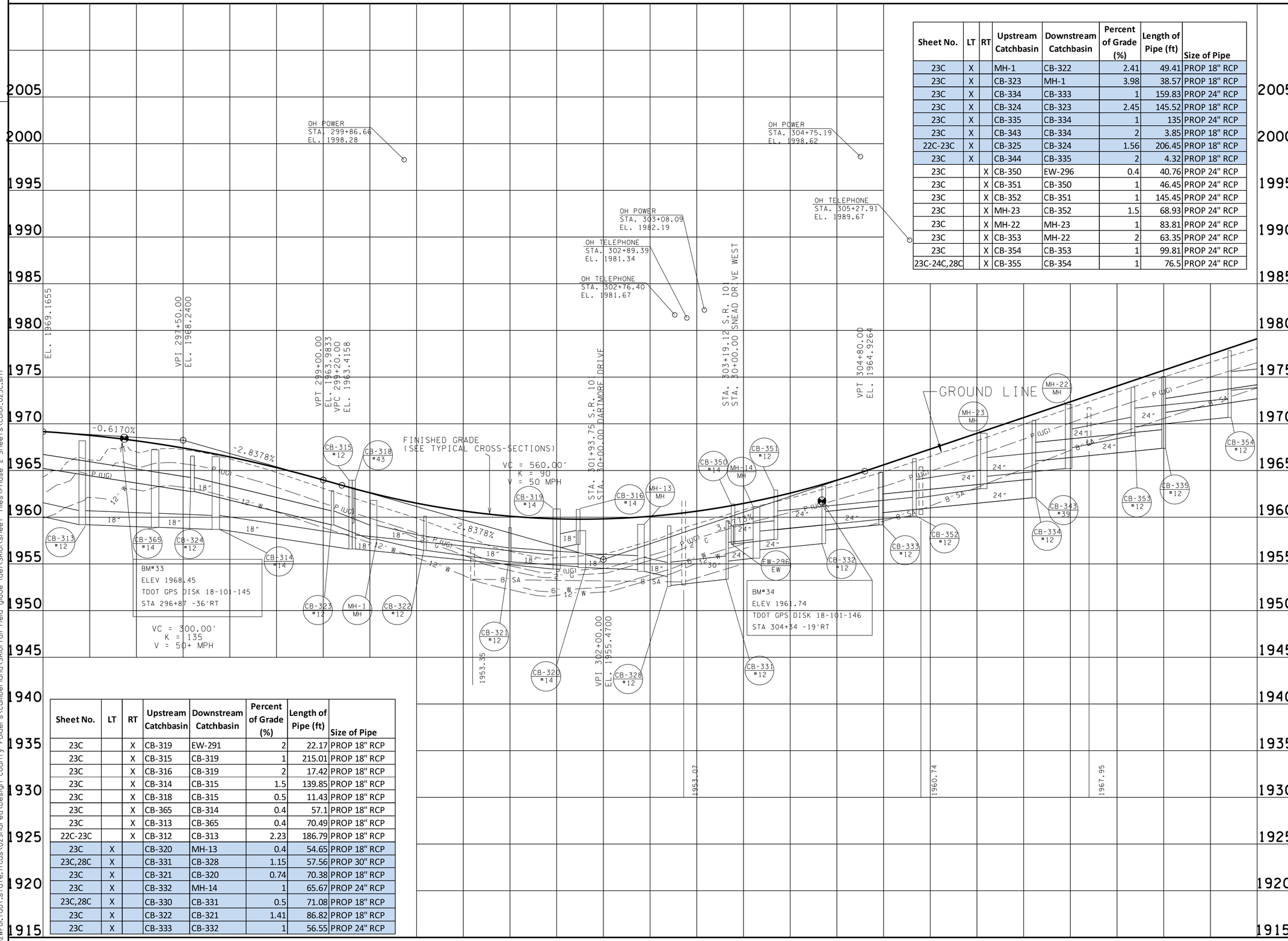
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	23C
CONST	2016	STP-101(17)	23C

REV. 04-10-13-DESIGN STORM SYSTEM AND ADDED LABELING. ADDED PIPE TABLES.

REV. 09-05-14-REVISED PIPE TABLE.

REV. 01-07-15-REVISED PIPE TABLE. ADDED MH-1.

REV. 06-27-16-REVISED PROP DRAIN PER CONST REQ.



Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
23C	X		MH-1	CB-322	2.41	49.41	PROP 18" RCP
23C	X		CB-323	MH-1	3.98	38.57	PROP 18" RCP
23C	X		CB-334	CB-333	1	159.83	PROP 24" RCP
23C	X		CB-324	CB-323	2.45	145.52	PROP 18" RCP
23C	X		CB-335	CB-334	1	135	PROP 24" RCP
23C	X		CB-343	CB-334	2	3.85	PROP 18" RCP
22C-23C	X		CB-325	CB-324	1.56	206.45	PROP 18" RCP
23C	X		CB-344	CB-335	2	4.32	PROP 18" RCP
23C		X	CB-350	EW-296	0.4	40.76	PROP 24" RCP
23C		X	CB-351	CB-350	1	46.45	PROP 24" RCP
23C		X	CB-352	CB-351	1	145.45	PROP 24" RCP
23C		X	MH-23	CB-352	1.5	68.93	PROP 24" RCP
23C		X	MH-22	MH-23	1	83.81	PROP 24" RCP
23C		X	CB-353	MH-22	2	63.35	PROP 24" RCP
23C		X	CB-354	CB-353	1	99.81	PROP 24" RCP
23C-24C,28C		X	CB-355	CB-354	1	76.5	PROP 24" RCP

Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
23C		X	CB-319	EW-291	2	22.17	PROP 18" RCP
23C		X	CB-315	CB-319	1	215.01	PROP 18" RCP
23C		X	CB-316	CB-319	2	17.42	PROP 18" RCP
23C		X	CB-314	CB-315	1.5	139.85	PROP 18" RCP
23C		X	CB-318	CB-315	0.5	11.43	PROP 18" RCP
23C		X	CB-365	CB-314	0.4	57.1	PROP 18" RCP
23C		X	CB-313	CB-365	0.4	70.49	PROP 18" RCP
22C-23C		X	CB-312	CB-313	2.23	186.79	PROP 18" RCP
23C	X		CB-320	MH-13	0.4	54.65	PROP 18" RCP
23C,28C	X		CB-331	CB-328	1.15	57.56	PROP 30" RCP
23C	X		CB-321	CB-320	0.74	70.38	PROP 18" RCP
23C	X		CB-332	MH-14	1	65.67	PROP 24" RCP
23C,28C	X		CB-330	CB-331	0.5	71.08	PROP 18" RCP
23C	X		CB-322	CB-321	1.41	86.82	PROP 18" RCP
23C	X		CB-333	CB-332	1	56.55	PROP 24" RCP

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 296+00 TO STA. 309+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.	2011	STP-101(17)	24
CONST	2016	STP-101(17)	24

REV. 2-29-12: REMOVED LINE THROUGH TRACT NUMBER 118.
REV. 6-15-12: UPDATED PROPERTY OWNER NAME FOR TRACT 118.

REV. 09-12-12: ADDED PARKING SPACES TO TRACT 121. ADDED WWC-9.

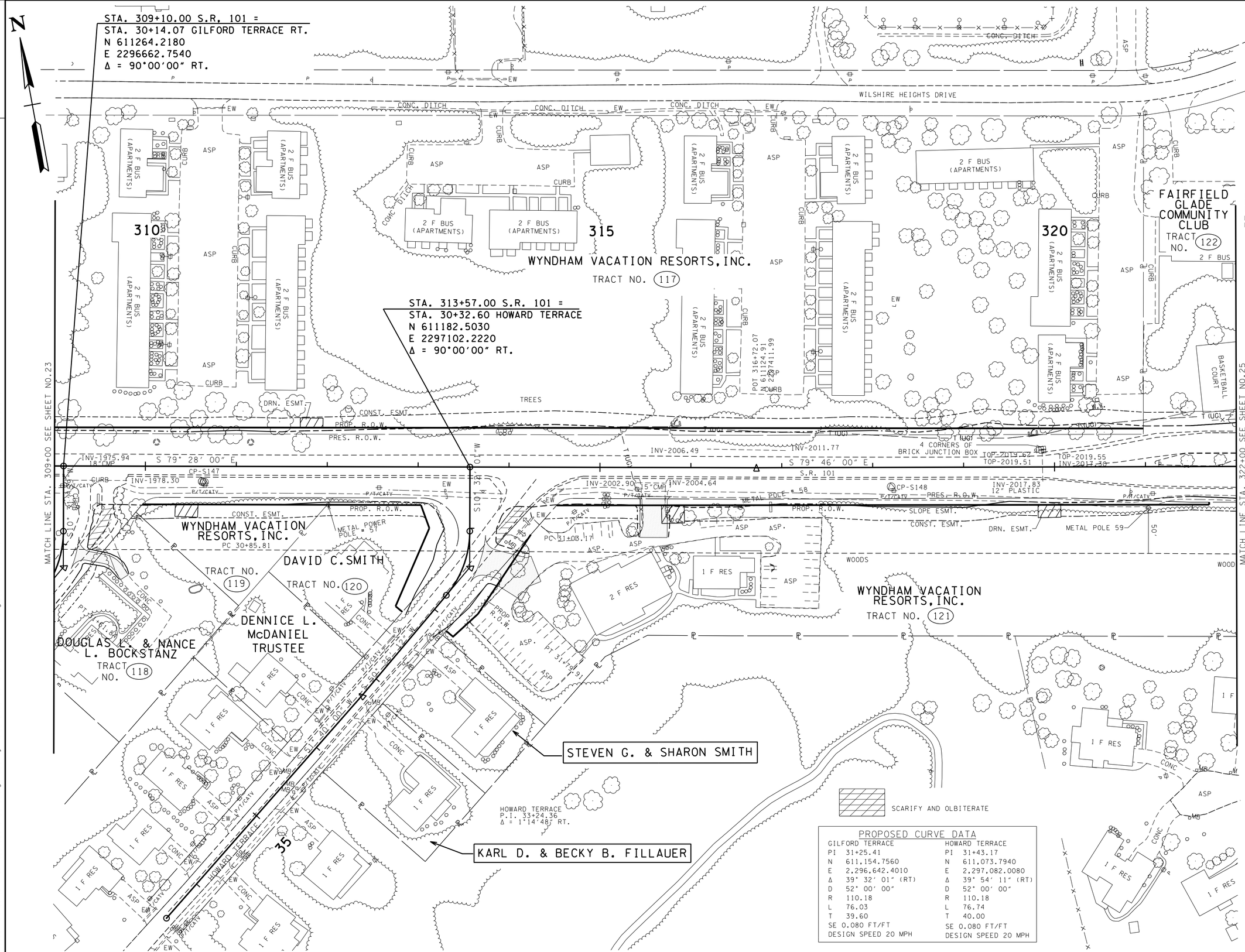
REV. 04-10-13: ADDED METAL POLE #57. ADDED CONST EASMT TO TRACT 121.

REV. 09-05-14: ADDED UTILITY EASMT AND REVISED PROPERTY OWNERS NAME ON TRACT 121 PER ROW REQ.

REV. 04-23-15: CHANGED OWNERS NAME ON TRACT 120 PER ROW REQ.

REV. 01-05-16: REVISED PROPERTY OWNERS NAME ON TRACT 117,119,AND 121 PER ROW REQ.

REV. 05-09-16: REMOVED WWC-9 PER ECOLOGY REQ.



PROPOSED CURVE DATA

GILFORD TERRACE		HOWARD TERRACE	
PI	31+25.41	PI	31+43.17
N	611,154.7560	N	611,073.7940
E	2,296,642.4010	E	2,297,082.0080
Δ	39° 32' 01" (RT)	Δ	39° 54' 11" (RT)
D	52° 00' 00"	D	52° 00' 00"
R	110.18	R	110.18
L	76.03	L	76.74
T	39.60	T	40.00
SE 0.080 FT/FT		SE 0.080 FT/FT	
DESIGN SPEED 20 MPH		DESIGN SPEED 20 MPH	

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 309+00 TO STA. 322+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.	2011	STP-101(17)	24A
CONST	2016	STP-101(17)	24A

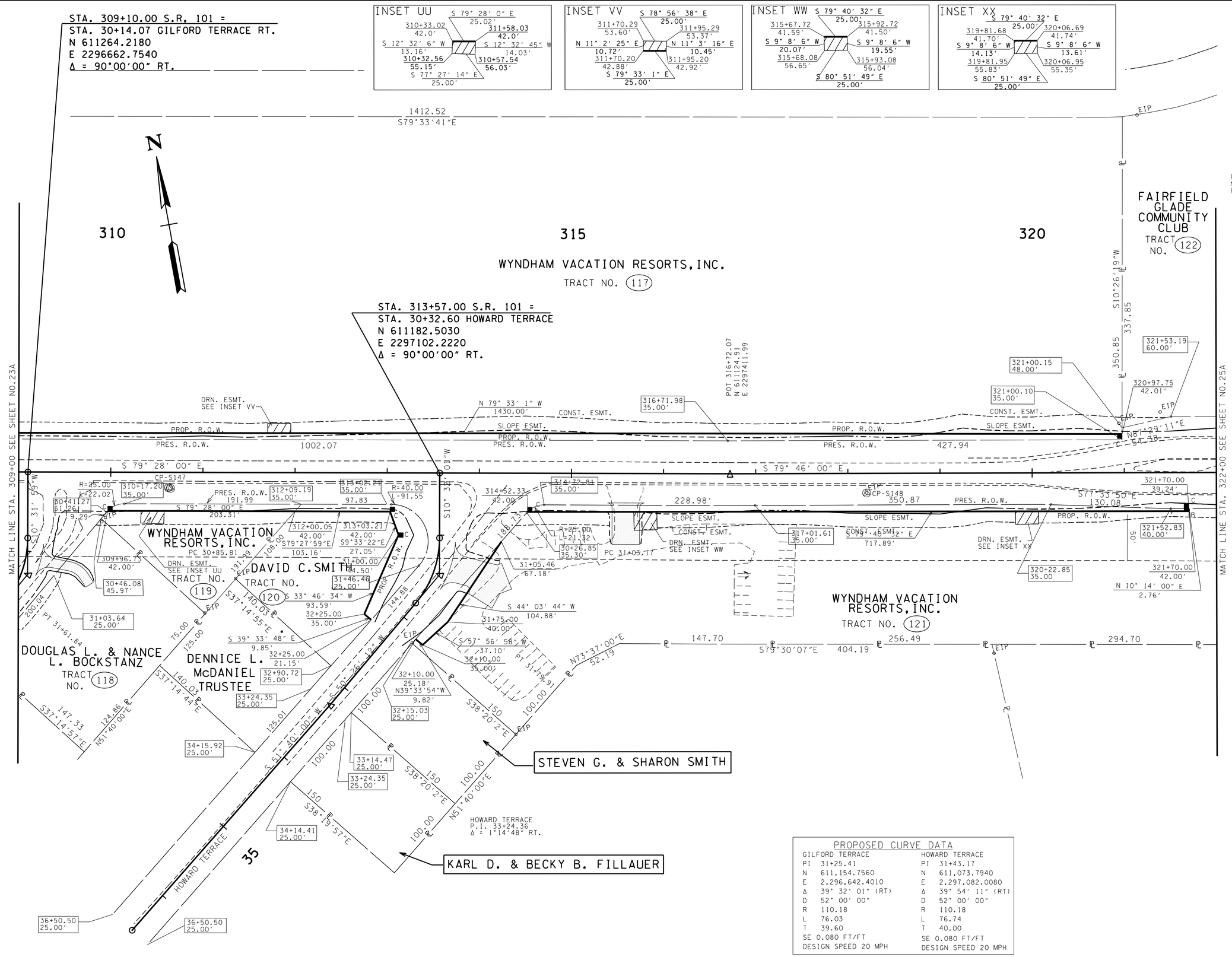
REV.2-29-12: REMOVED LINE THROUGH TRACT NUMBER 118.
REV. 6-15-12: CORRECTED PRES. R.O.W. LENGTH AT STA. 315+25. CORRECTED R.O.W. LINE IN INSET VV. UPDATED PROPERTY OWNER NAME FOR TRACT 118.

REV.04-10-13: ADDED CONST EASMT TO TRACT 121.

REV.09-05-14: ADDED UTILITY EASMT AND REVISED PROPERTY OWNERS NAME ON TRACT 121

REV.04-23-15: CHANGED OWNERS NAME ON TRACT 120 PER ROW REQ.

REV.01-05-16: REVISED PROPERTY OWNERS NAME ON TRACT 117,119,AND 121 PER ROW REQ.



PROPOSED CURVE DATA

GILFORD TERRACE		HOWARD TERRACE	
PI	31+25.41	PI	31+43.17
N	611,154.7560	N	611,073.7940
E	2,296,642.4010	E	2,297,082.0080
Δ	39° 32' 01" (RT)	Δ	39° 54' 11" (RT)
D	52° 00' 00"	D	52° 00' 00"
R	110.18	R	110.18
L	76.03	L	76.74
T	39.60	T	40.00
SE 0.080 FT/FT		SE 0.080 FT/FT	
DESIGN SPEED 20 MPH		DESIGN SPEED 20 MPH	

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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. 309+00 TO STA. 322+00

SCALE: 1"= 50'

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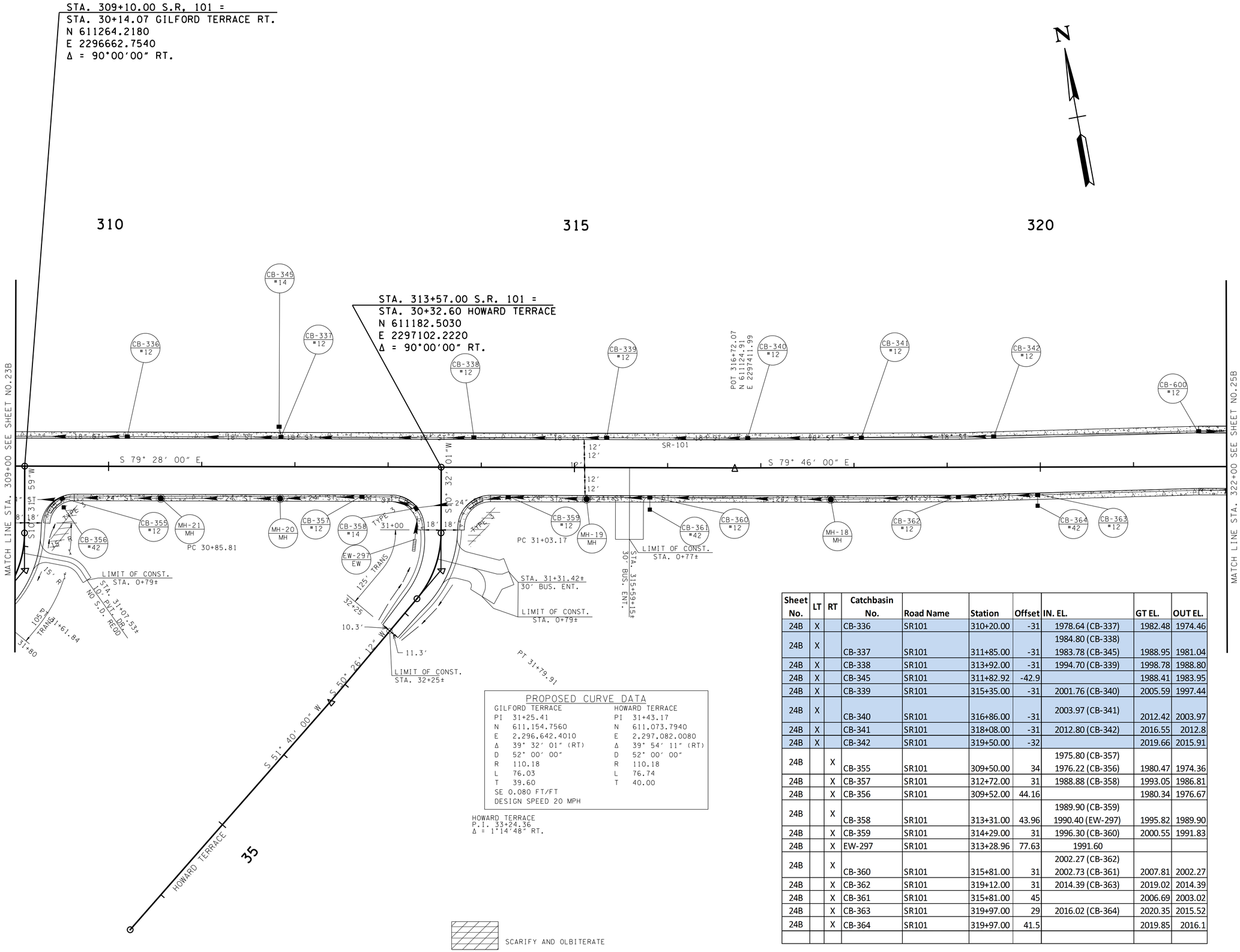
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	24B
CONST	2016	STP-101(17)	24B

REV. 09-13-12- ADDED PAVMT MARKINGS.

REV. 04-10-13- DESIGN STORM SYSTEM AND ADDED LABELING. REMOVE PVT MARKINGS. ADDED CATCHBASIN TABLES.
REV. 09-05-14- REVISED CB TABLE.

REV. 06-27-16- REVISED PROP DRAIN PER CONST REQ.



PROPOSED CURVE DATA

GILFORD TERRACE		HOWARD TERRACE	
PI	31+25.41	PI	31+43.17
N	611,154.7560	N	611,073.7940
E	2,296,642.4010	E	2,297,082.0080
Δ	39° 32' 01" (RT)	Δ	39° 54' 11" (RT)
D	52° 00' 00"	D	52° 00' 00"
R	110.18	R	110.18
L	76.03	L	76.74
T	39.60	T	40.00
SE 0.080 FT/FT			
DESIGN SPEED 20 MPH			

HOWARD TERRACE
P.I. 33+24.36
Δ = 1°14'48" RT.

Sheet No.	LT	RT	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
24B	X		CB-336	SR101	310+20.00	-31	1978.64 (CB-337)	1982.48	1974.46
24B	X		CB-337	SR101	311+85.00	-31	1984.80 (CB-338) 1983.78 (CB-345)	1988.95	1981.04
24B	X		CB-338	SR101	313+92.00	-31	1994.70 (CB-339)	1998.78	1988.80
24B	X		CB-345	SR101	311+82.92	-42.9		1988.41	1983.95
24B	X		CB-339	SR101	315+35.00	-31	2001.76 (CB-340)	2005.59	1997.44
24B	X		CB-340	SR101	316+86.00	-31	2003.97 (CB-341)	2012.42	2003.97
24B	X		CB-341	SR101	318+08.00	-31	2012.80 (CB-342)	2016.55	2012.8
24B	X		CB-342	SR101	319+50.00	-32		2019.66	2015.91
24B		X	CB-355	SR101	309+50.00	34	1975.80 (CB-357) 1976.22 (CB-356)	1980.47	1974.36
24B		X	CB-357	SR101	312+72.00	31	1988.88 (CB-358)	1993.05	1986.81
24B		X	CB-356	SR101	309+52.00	44.16		1980.34	1976.67
24B		X	CB-358	SR101	313+31.00	43.96	1989.90 (CB-359) 1990.40 (EW-297)	1995.82	1989.90
24B		X	CB-359	SR101	314+29.00	31	1996.30 (CB-360)	2000.55	1991.83
24B		X	EW-297	SR101	313+28.96	77.63	1991.60		
24B		X	CB-360	SR101	315+81.00	31	2002.27 (CB-362) 2002.73 (CB-361)	2007.81	2002.27
24B		X	CB-362	SR101	319+12.00	31	2014.39 (CB-363)	2019.02	2014.39
24B		X	CB-361	SR101	315+81.00	45		2006.69	2003.02
24B		X	CB-363	SR101	319+97.00	29	2016.02 (CB-364)	2020.35	2015.52
24B		X	CB-364	SR101	319+97.00	41.5		2019.85	2016.1

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CONSTRUCTABILITY FIELD REVIEW

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. 310+00 TO STA. 323+00

SCALE: 1"= 50'

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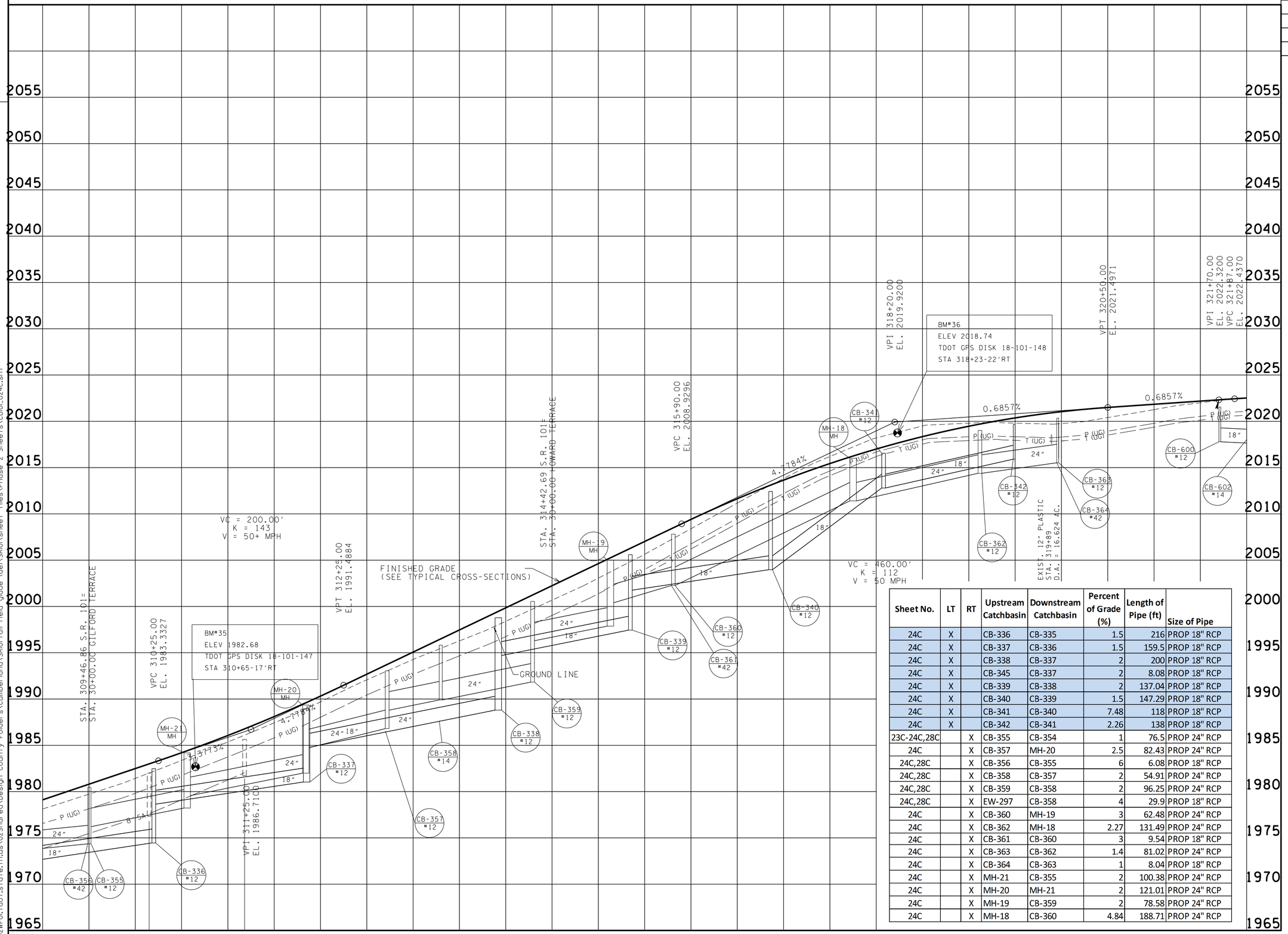
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	24C
CONST	2016	STP-101(17)	24C

REV. 04-10-13- DESIGN STORM SYSTEM AND ADDED LABELING. REMOVED EXCLUSION. ADDED PIPE TABLE.
REV. 09-05-14- REVISED PIPE TABLE.
REV. 06-27-16- REVISED PROP DRAIN PER CONST REQ.



Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
24C	X		CB-336	CB-335	1.5	216	PROP 18" RCP
24C	X		CB-337	CB-336	1.5	159.5	PROP 18" RCP
24C	X		CB-338	CB-337	2	200	PROP 18" RCP
24C	X		CB-345	CB-337	2	8.08	PROP 18" RCP
24C	X		CB-339	CB-338	2	137.04	PROP 18" RCP
24C	X		CB-340	CB-339	1.5	147.29	PROP 18" RCP
24C	X		CB-341	CB-340	7.48	118	PROP 18" RCP
24C	X		CB-342	CB-341	2.26	138	PROP 18" RCP
23C-24C,28C		X	CB-355	CB-354	1	76.5	PROP 24" RCP
24C		X	CB-357	MH-20	2.5	82.43	PROP 24" RCP
24C,28C		X	CB-356	CB-355	6	6.08	PROP 18" RCP
24C,28C		X	CB-358	CB-357	2	54.91	PROP 24" RCP
24C,28C		X	CB-359	CB-358	2	96.25	PROP 24" RCP
24C,28C		X	EW-297	CB-358	4	29.9	PROP 18" RCP
24C		X	CB-360	MH-19	3	62.48	PROP 24" RCP
24C		X	CB-362	MH-18	2.27	131.49	PROP 24" RCP
24C		X	CB-361	CB-360	3	9.54	PROP 18" RCP
24C		X	CB-363	CB-362	1.4	81.02	PROP 24" RCP
24C		X	CB-364	CB-363	1	8.04	PROP 18" RCP
24C		X	MH-21	CB-355	2	100.38	PROP 24" RCP
24C		X	MH-20	MH-21	2	121.01	PROP 24" RCP
24C		X	MH-19	CB-359	2	78.58	PROP 24" RCP
24C		X	MH-18	CB-360	4.84	188.71	PROP 24" RCP

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 309+00 TO STA. 322+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

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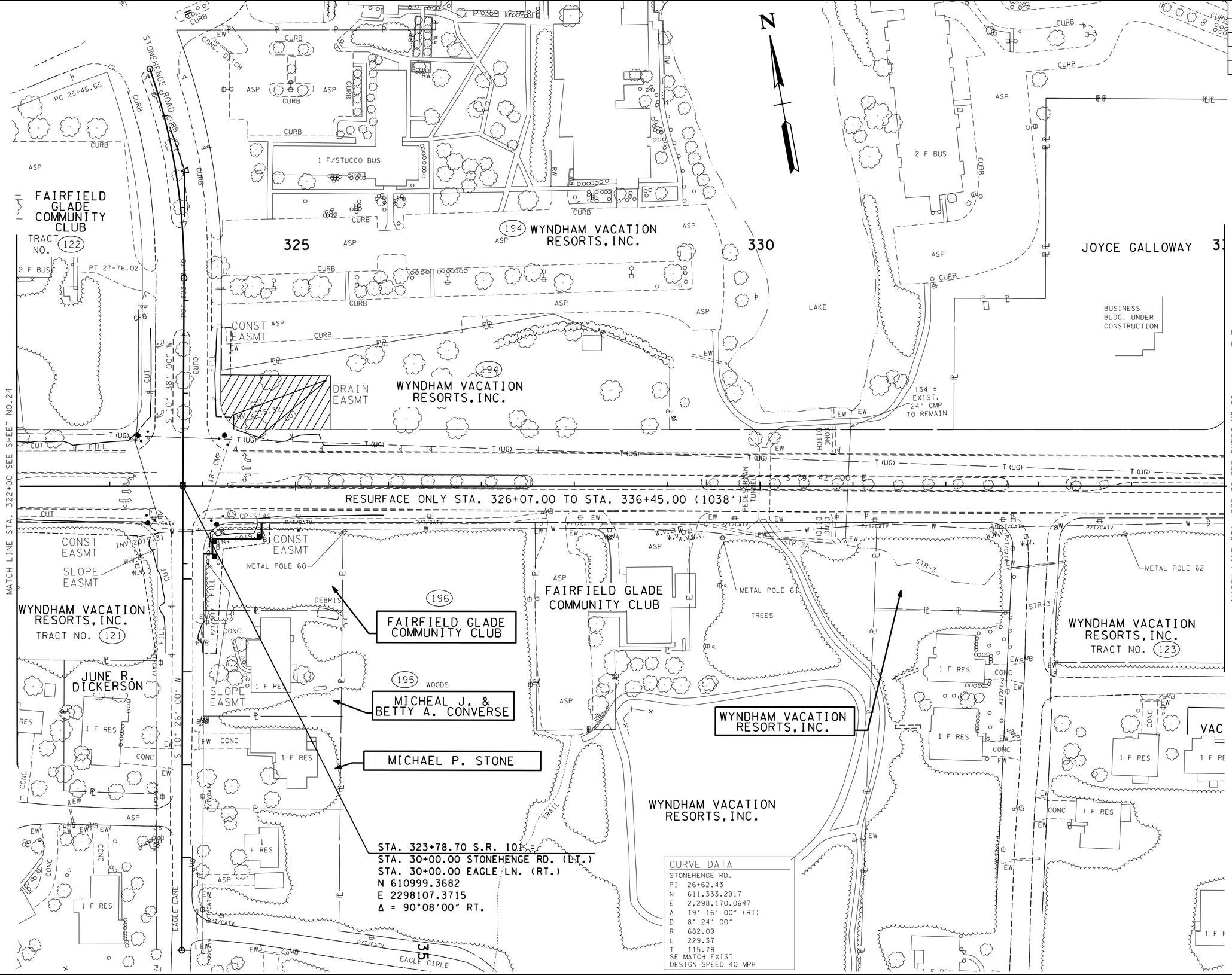
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	25
CONST	2016	STP-101(17)	25

REV. 09-12-12- ADDED EXIST CULV., STR-3, AND STR-3A.
REV. 04-10-13- ADDED SLOPE LINES FOR STONEHENGE/EAGLE INTERSECTION. REMOVED EXCLUSION AND ADDED RESURFACING. ADDED TRACT 194-195. ADDED DRAIN EASMT AND CONST EASMT TO TRACT 194. ADDED PROP ROW, SLOPE EASMT, AND CONST EASMT TO TRACT 195. ADDED SLOPE EASMT AND CONST EASMT TO TRACT 121.
REV. 09-05-14- ADDED Z BAR TO TRACT 194 AND 195 PER ROW REQ.
REV. 02-05-15- REMOVED Z BAR TO TRACT 195 AND 196 PER ROW REQ.
REV. 02-24-15- REVISED TRACT 195 AND 196 PER ROW REQ.
REV. 01-05-16- REVISED PROPERTY OWNERS NAME ON TRACT 121,123,AND 194 PER ROW REQ.
REV. 05-27-16- REVISED 134' 24"CMP LABEL PER PERMITS REQ.



CURVE DATA

STONEHENGE RD.	
PI	26+62.43
N	611,333.2917
E	2,298,170.0647
Δ	19° 16' 00" (RT)
D	8° 24' 00"
R	682.09
L	229.37
T	115.78

SE MATCH EXIST
DESIGN SPEED 40 MPH

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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

PRESENT LAYOUT

STA. 322+00 TO STA. 335+00

SCALE: 1"= 50'

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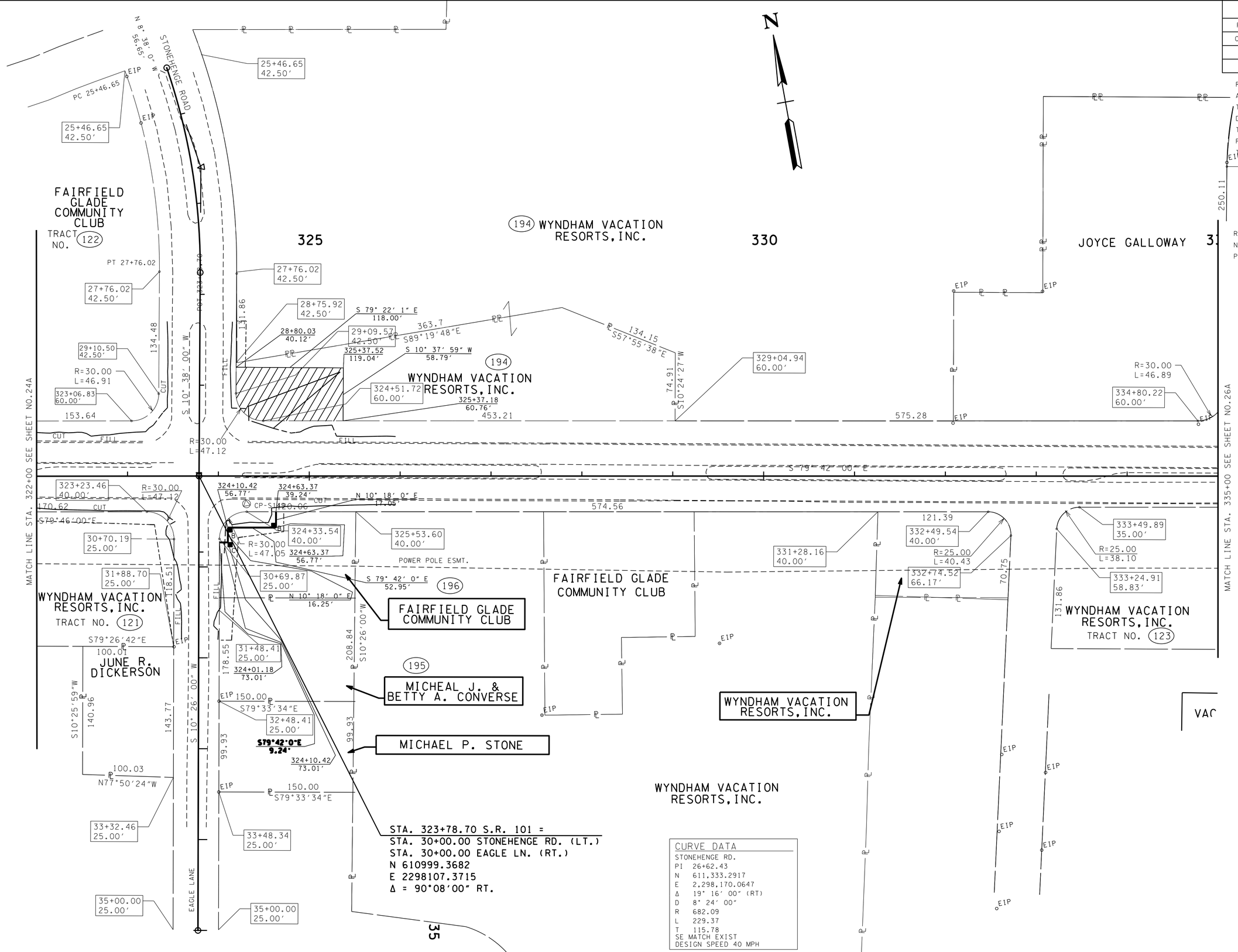
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	25A
CONST	2016	STP-101(17)	25A

REV. 04-10-13- ADDED CONST EASMT AND SLOPE EASMT TO TRACT 121. ADDED TRACT 194-195. ADDED DRAIN EASMT AND CONST EASMT TO TRACT 194. ADDED CONST EASMT, PROP ROW, AND SLOPE EASMT TO TRACT 195.
REV. 09-05-14- ADDED Z BAR TO TRACT 194 AND 195 PER ROW REQ.
REV. 02-05-15- REMOVED Z BAR TO TRACT 195 AND 196 PER ROW REQ.
REV. 02-24-15- REVISED TRACT 195 AND 196 PER ROW REQ.
REV. 01-05-16- REVISED PROPERTY OWNERS NAME ON TRACT 121,123,AND 194 PER ROW REQ.



CURVE DATA
STONEHENGE RD.
PI 26+62.43
N 611,333.2917
E 2,298,170.0647
Δ 19° 16' 00" (RT)
D 8° 24' 00"
R 682.09
L 229.37
T 115.78
SE MATCH EXIST
DESIGN SPEED 40 MPH

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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. 322+00 TO STA. 335+00

SCALE: 1"= 50'

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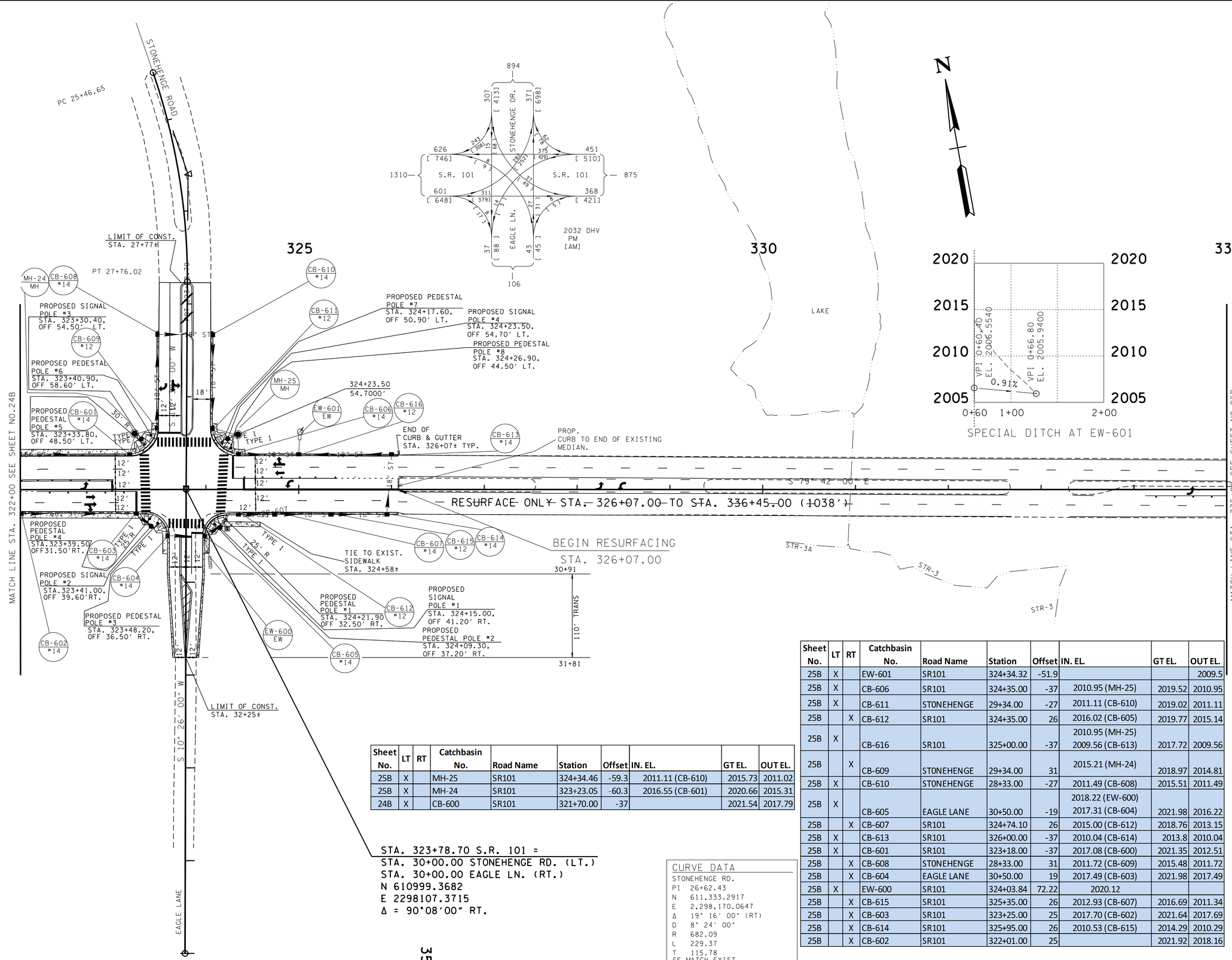
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	25B
CONST	2016	STP-101(17)	25B

REV. 09-13-12- ADDED STR-3 & STR-3A.

REV.04-10-13- ADDED STONEHENGE INTERSECTION DESIGN. REMOVED EXCLUSION AND REPLACED WITH RESURFACING. DESIGN STORM DRAINAGE SYSTEM. ADDED CATCHBASIN TABLE. ADDED SPECIAL DITCH AT EW-601.
REV.09-05-14- ADDED SIGNAL POLES. REVISED CB TABLE.REVISED HANDICAP RAMPS.

REV.06-27-16- REVISED PROP DRAIN PER CONST REQ.



STA. 323+78.70 S.R. 101 =
STA. 30+00.00 STONEHENGE RD. (LT.)
STA. 30+00.00 EAGLE LN. (RT.)
N 610999.3682
E 2298107.3715
Δ = 90°08'00" RT.

Sheet No.	LT	RT	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
25B	X		MH-25	SR101	324+34.46	-59.3	2011.11 (CB-610)	2015.73	2011.02
25B	X		MH-24	SR101	323+23.05	-60.3	2016.55 (CB-601)	2020.66	2015.31
24B	X		CB-600	SR101	321+70.00	-37		2021.54	2017.79

CURVE DATA
STONEHENGE RD.
PI 26+62.43
N 611,333.2917
E 2,298,170.0647
Δ 19° 16' 00" (RT)
D 8° 24' 00"
R 682.09
L 229.37
T 115.78
SE MATCH EXIST
DESIGN SPEED 40 MPH

Sheet No.	LT	RT	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
25B	X		EW-601	SR101	324+34.32	-51.9			2009.5
25B	X		CB-606	SR101	324+35.00	-37	2010.95 (MH-25)	2019.52	2010.95
25B	X		CB-611	STONEHENGE	29+34.00	-27	2011.11 (CB-610)	2019.02	2011.11
25B		X	CB-612	SR101	324+35.00	26	2016.02 (CB-605)	2019.77	2015.14
25B	X		CB-616	SR101	325+00.00	-37	2010.95 (MH-25) 2009.56 (CB-613)	2017.72	2009.56
25B		X	CB-609	STONEHENGE	29+34.00	31	2015.21 (MH-24)	2018.97	2014.81
25B	X		CB-610	STONEHENGE	28+33.00	-27	2011.49 (CB-608)	2015.51	2011.49
25B	X		CB-605	EAGLE LANE	30+50.00	-19	2018.22 (EW-600) 2017.31 (CB-604)	2021.98	2016.22
25B		X	CB-607	SR101	324+74.10	26	2015.00 (CB-612)	2018.76	2013.15
25B	X		CB-613	SR101	326+00.00	-37	2010.04 (CB-614)	2013.8	2010.04
25B	X		CB-601	SR101	323+18.00	-37	2017.08 (CB-600)	2021.35	2012.51
25B		X	CB-608	STONEHENGE	28+33.00	31	2011.72 (CB-609)	2015.48	2011.72
25B		X	CB-604	EAGLE LANE	30+50.00	19	2017.49 (CB-603)	2021.98	2017.49
25B	X		EW-600	SR101	324+03.84	72.22	2020.12		
25B		X	CB-615	SR101	325+35.00	26	2012.93 (CB-607)	2016.69	2011.34
25B		X	CB-603	SR101	323+25.00	25	2017.70 (CB-602)	2021.64	2017.69
25B		X	CB-614	SR101	325+95.00	26	2010.53 (CB-615)	2014.29	2010.29
25B		X	CB-602	SR101	322+01.00	25		2021.92	2018.16

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CONSTRUCTABILITY FIELD REVIEW

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. 322+00 TO STA. 335+00

SCALE: 1"= 50'

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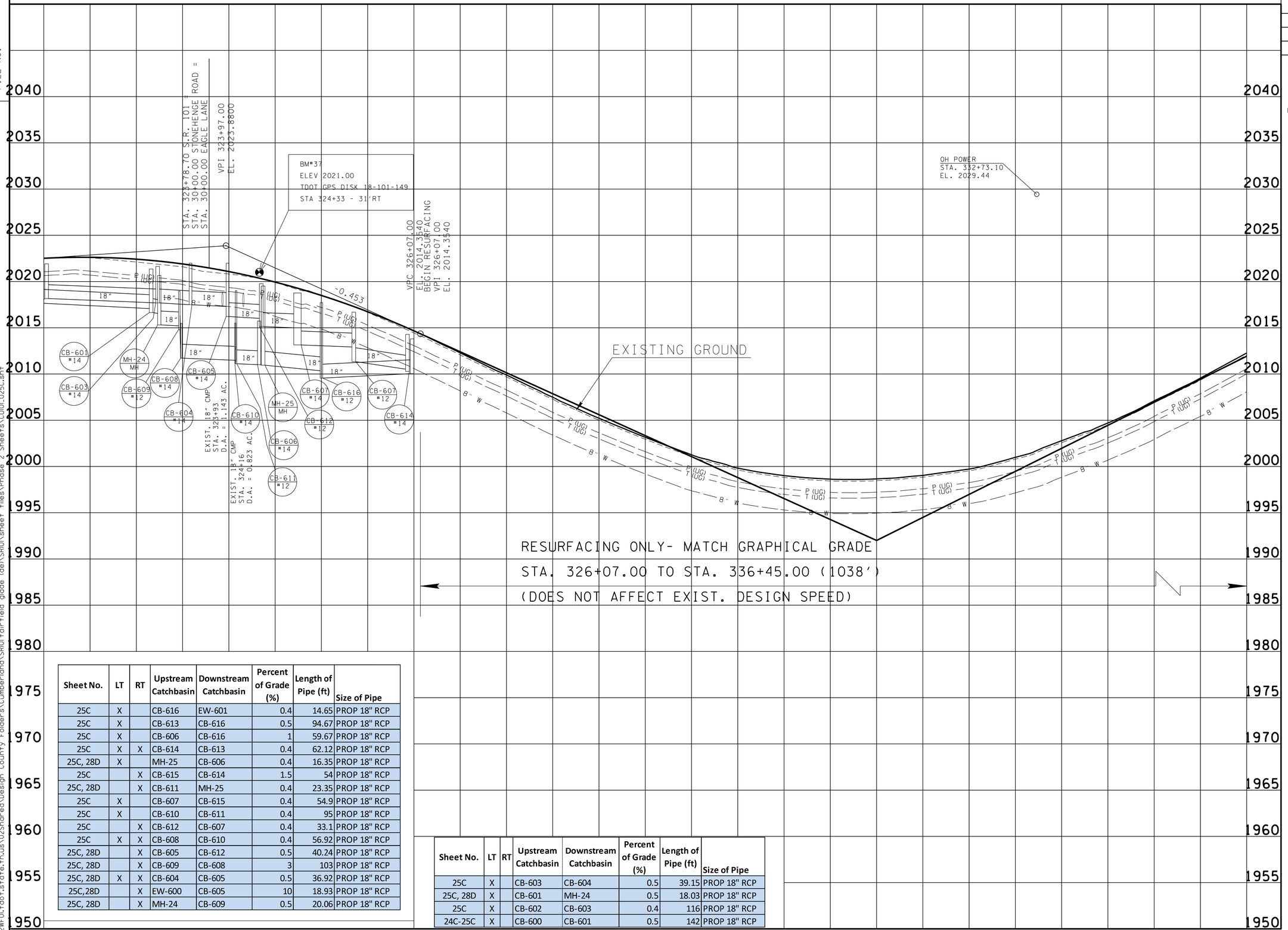
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	25C
CONST	2016	STP-101(17)	25C

REV. 04-10-13- DESIGN STORM SYSTEM. ADDED PIPE TABLE. REMOVED EXCLUSION. ADDED RESURFACING.

REV. 09-05-14- REVISED PIPE TABLE.

REV. 06-27-16- REVISED PROP DRAIN PER CONST REQ.



Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
25C	X		CB-616	EW-601	0.4	14.65	PROP 18" RCP
25C	X		CB-613	CB-616	0.5	94.67	PROP 18" RCP
25C	X		CB-606	CB-616	1	59.67	PROP 18" RCP
25C	X	X	CB-614	CB-613	0.4	62.12	PROP 18" RCP
25C, 28D	X		MH-25	CB-606	0.4	16.35	PROP 18" RCP
25C		X	CB-615	CB-614	1.5	54	PROP 18" RCP
25C, 28D		X	CB-611	MH-25	0.4	23.35	PROP 18" RCP
25C	X		CB-607	CB-615	0.4	54.9	PROP 18" RCP
25C	X		CB-610	CB-611	0.4	95	PROP 18" RCP
25C		X	CB-612	CB-607	0.4	33.1	PROP 18" RCP
25C	X	X	CB-608	CB-610	0.4	56.92	PROP 18" RCP
25C, 28D		X	CB-605	CB-612	0.5	40.24	PROP 18" RCP
25C, 28D		X	CB-609	CB-608	3	103	PROP 18" RCP
25C, 28D	X	X	CB-604	CB-605	0.5	36.92	PROP 18" RCP
25C,28D		X	EW-600	CB-605	10	18.93	PROP 18" RCP
25C, 28D		X	MH-24	CB-609	0.5	20.06	PROP 18" RCP

Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
25C	X		CB-603	CB-604	0.5	39.15	PROP 18" RCP
25C, 28D	X		CB-601	MH-24	0.5	18.03	PROP 18" RCP
25C	X		CB-602	CB-603	0.4	116	PROP 18" RCP
24C-25C	X		CB-600	CB-601	0.5	142	PROP 18" RCP

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CONSTRUCTABILITY FIELD REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 322+00 TO STA. 335+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

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

PROPOSED CURVE DATA

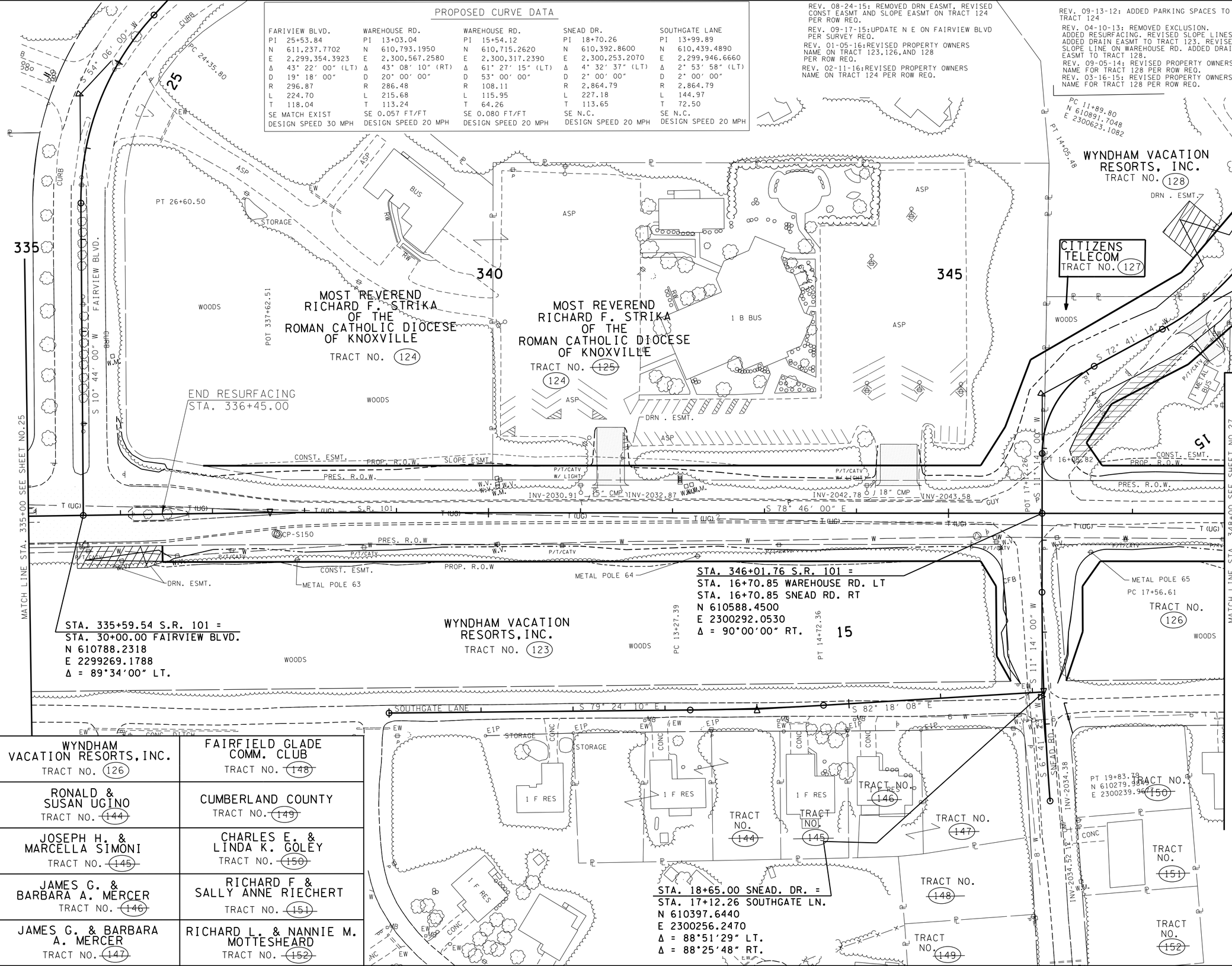
FARIVIEW BLVD.	WAREHOUSE RD.	WAREHOUSE RD.	SNEAD DR.	SOUTHGATE LANE
PI 25+53.84	PI 13+03.04	PI 15+54.12	PI 18+70.26	PI 13+99.89
N 611,237.7702	N 610,793.1950	N 610,715.2620	N 610,392.8600	N 610,439.4890
E 2,299,354.3923	E 2,300,567.2580	E 2,300,317.2390	E 2,300,253.2070	E 2,299,946.6660
Δ 43° 22′ 00″ (LT)	Δ 43° 08′ 10″ (RT)	Δ 61° 27′ 15″ (LT)	Δ 4° 32′ 37″ (LT)	Δ 2° 53′ 58″ (LT)
D 19° 18′ 00″	D 20° 00′ 00″	D 53° 00′ 00″	D 2° 00′ 00″	D 2° 00′ 00″
R 296.87	R 286.48	R 108.11	R 2,864.79	R 2,864.79
L 224.70	L 215.68	L 115.95	L 227.18	L 144.97
T 118.04	T 113.24	T 64.26	T 113.65	T 72.50
SE MATCH EXIST	SE 0.057 FT/FT	SE 0.080 FT/FT	SE N.C.	SE N.C.
DESIGN SPEED 30 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH

REV. 08-24-15: REMOVED DRN EASMT, REVISED CONST EASMT AND SLOPE EASMT ON TRACT 124 PER ROW REQ.
REV. 09-17-15:UPDATE N E ON FAIRVIEW BLVD PER SURVEY REQ.
REV. 01-05-16:REVISED PROPERTY OWNERS NAME ON TRACT 123,126,AND 128 PER ROW REQ.
REV. 02-11-16:REVISED PROPERTY OWNERS NAME ON TRACT 124 PER ROW REQ.

REV. 09-13-12: ADDED PARKING SPACES TO TRACT 124
REV. 04-10-13: REMOVED EXCLUSION. ADDED RESURFACING. REVISED SLOPE LINES. ADDED DRAIN EASMT TO TRACT 123. REVISED SLOPE LINE ON WAREHOUSE RD. ADDED DRAIN EASMT TO TRACT 128.
REV. 09-05-14: REVISED PROPERTY OWNERS NAME FOR TRACT 128 PER ROW REQ.
REV. 03-16-15: REVISED PROPERTY OWNERS NAME FOR TRACT 128 PER ROW REQ.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-1-1(17)	26
CONST	2016	STP-101(17)	26

REV. 2-29-12: ADDED Z BAR BETWEEN TRACTS 124 AND 125. LINED THROUGH TRACT NUMBER 125.
REV. 6-15-12: ADDED Z BAR AND UPDATED PROPERTY OWNER NAME FOR TRACT 124.



WYNDHAM VACATION RESORTS, INC. TRACT NO. 126	FAIRFIELD GLADE COMM. CLUB TRACT NO. ~~148~~
RONALD & SUSAN UGINO TRACT NO. ~~144~~	CUMBERLAND COUNTY TRACT NO. ~~149~~
JOSEPH H. & MARCELLA SIMONI TRACT NO. ~~145~~	CHARLES E. & LINDA K. GOLEY TRACT NO. ~~150~~
JAMES G. & BARBARA A. MERCER TRACT NO. ~~146~~	RICHARD F & SALLY ANNE RIECHERT TRACT NO. ~~151~~
JAMES G. & BARBARA A. MERCER TRACT NO. ~~147~~	RICHARD L. & NANNIE M. MOTTESHEARD TRACT NO. ~~152~~

SCARIFY AND OBLITERATE

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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

PRESENT LAYOUT

STA. 335+00 TO STA. 348+00

SCALE: 1"= 50'

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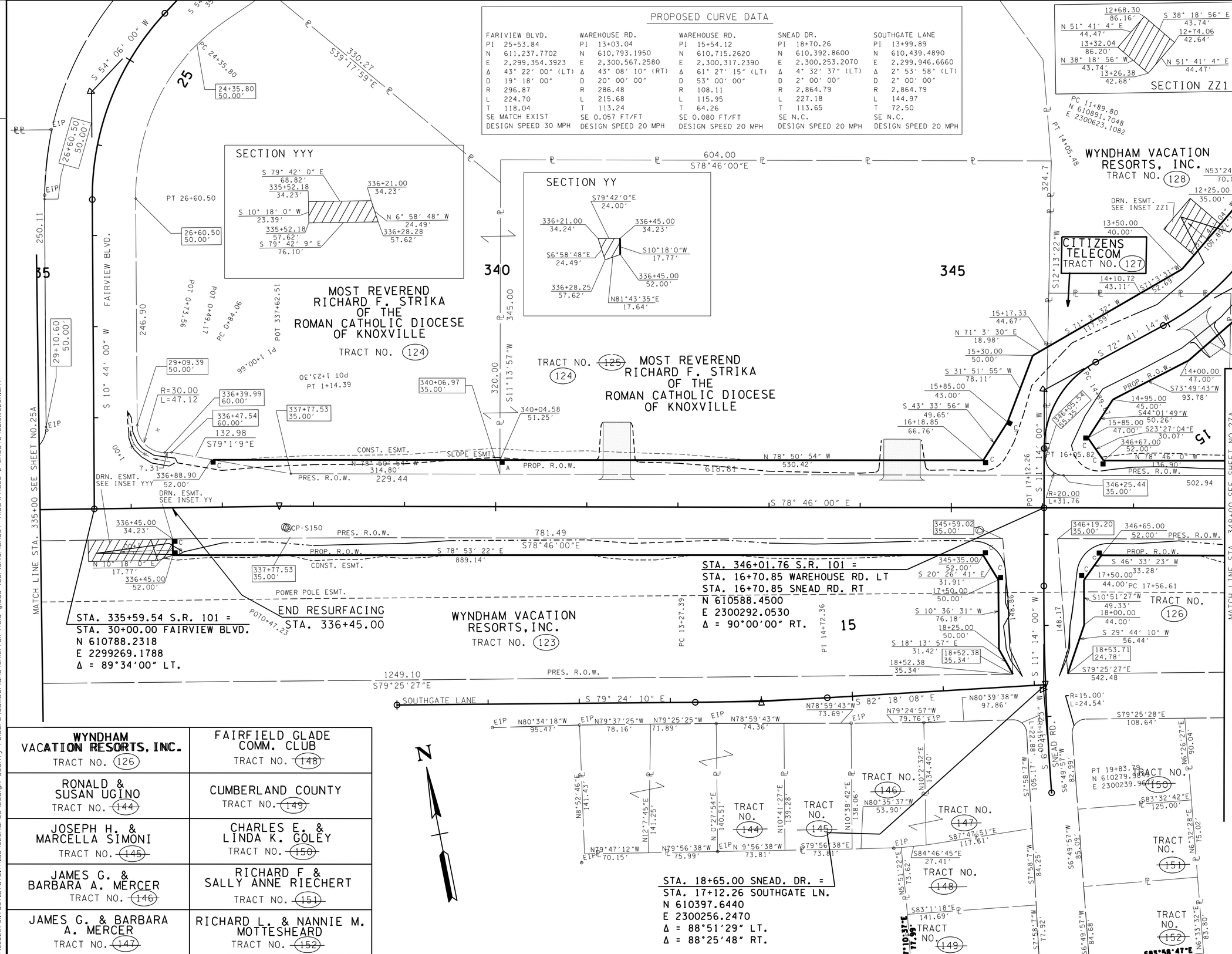
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	26A
CONST	2016	STP-101(17)	26A

REV. 2-29-12: ADDED Z BAR BETWEEN TRACTS 124 AND 125. LINED THROUGH TRACT NUMBER 125.
REV. 6-15-12: CORRECTED STA. AND OFFSET LABELS FOR PRES. R.O.W. AT INERSECTION OF SNEAD ROAD AND SOUTHGATE LANE. UPDATED PROPERTY OWNER NAME FOR TRACT 124.
REV. 04-10-13: REVISED SLOPE EASMT ON TRACT 124. REMOVED EXCLUSION. ADDED RESURFACING. REVISED SLOPE LINES. ADDED DRAIN EASMT TO TRACT 123. ADDED DRAIN EASMT TO TRACT 128.
REV. 09-05-14:REVISED PROPERTY OWNERS NAME FOR TRACT 128 PER ROW REQ.
REV. 03-16-15:REVISED PROPERTY OWNERS NAME FOR TRACT 128 PER ROW REQ.
REV. 08-24-15: REMOVED DRN EASMT, REVISED CONST EASMT AND SLOPE EASMT, ON TRACT 124 PER ROW REQ.
REV. 09-18-15: REVISED 2 STATION AND OFFSET FLAGS ON WAREHOUSE RD PER ROW REQ.
REV. 01-05-16: REVISED PROPERTY OWNERS NAME ON TRACT 123,126,AND 128 PER ROW REQ.
REV. 02-11-16: REVISED PROPERTY OWNERS NAME ON TRACT 124 PER ROW REQ.

PROPOSED CURVE DATA

FARIVIEW BLVD.	WAREHOUSE RD.	WAREHOUSE RD.	SNEAD DR.	SOUTHGATE LANE
PI 25+53.84	PI 13+03.04	PI 15+54.12	PI 18+70.26	PI 13+99.89
N 611,237.7702	N 610,793.1950	N 610,715.2620	N 610,392.8600	N 610,439.4890
E 2,299,354.3923	E 2,300,567.2580	E 2,300,317.2390	E 2,300,253.2070	E 2,299,946.6660
Δ 43° 22′ 00″ (LT)	Δ 43° 08′ 10″ (RT)	Δ 61° 27′ 15″ (LT)	Δ 4° 32′ 37″ (LT)	Δ 2° 53′ 58″ (LT)
D 19° 18′ 00″	D 20° 00′ 00″	D 53° 00′ 00″	D 2° 00′ 00″	D 2° 00′ 00″
R 296.87	R 286.48	R 108.11	R 2,864.79	R 2,864.79
L 224.70	L 215.68	L 115.95	L 227.18	L 144.97
T 118.04	T 113.24	T 64.26	T 113.65	T 72.50
SE MATCH EXIST	SE 0.057 FT/FT	SE 0.080 FT/FT	SE N.C.	SE N.C.
DESIGN SPEED 30 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH



WYNDHAM VACATION RESORTS, INC. TRACT NO. 126	FAIRFIELD GLADE COMM. CLUB TRACT NO. ~~148~~
RONALD & SUSAN UGINO TRACT NO. ~~144~~	CUMBERLAND COUNTY TRACT NO. ~~149~~
JOSEPH H. & MARCELLA SIMONI TRACT NO. ~~145~~	CHARLES E. & LINDA K. GOLEY TRACT NO. ~~150~~
JAMES G. & BARBARA A. MERCER TRACT NO. ~~146~~	RICHARD F & SALLY ANNE RIECHERT TRACT NO. ~~151~~
JAMES G. & BARBARA A. MERCER TRACT NO. ~~147~~	RICHARD L. & NANNIE M. MOTTESHEARD TRACT NO. ~~152~~

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CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 335+00 TO STA. 348+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.	2011	STP-101(17)	26B
CONST	2016	STP-101(17)	26B

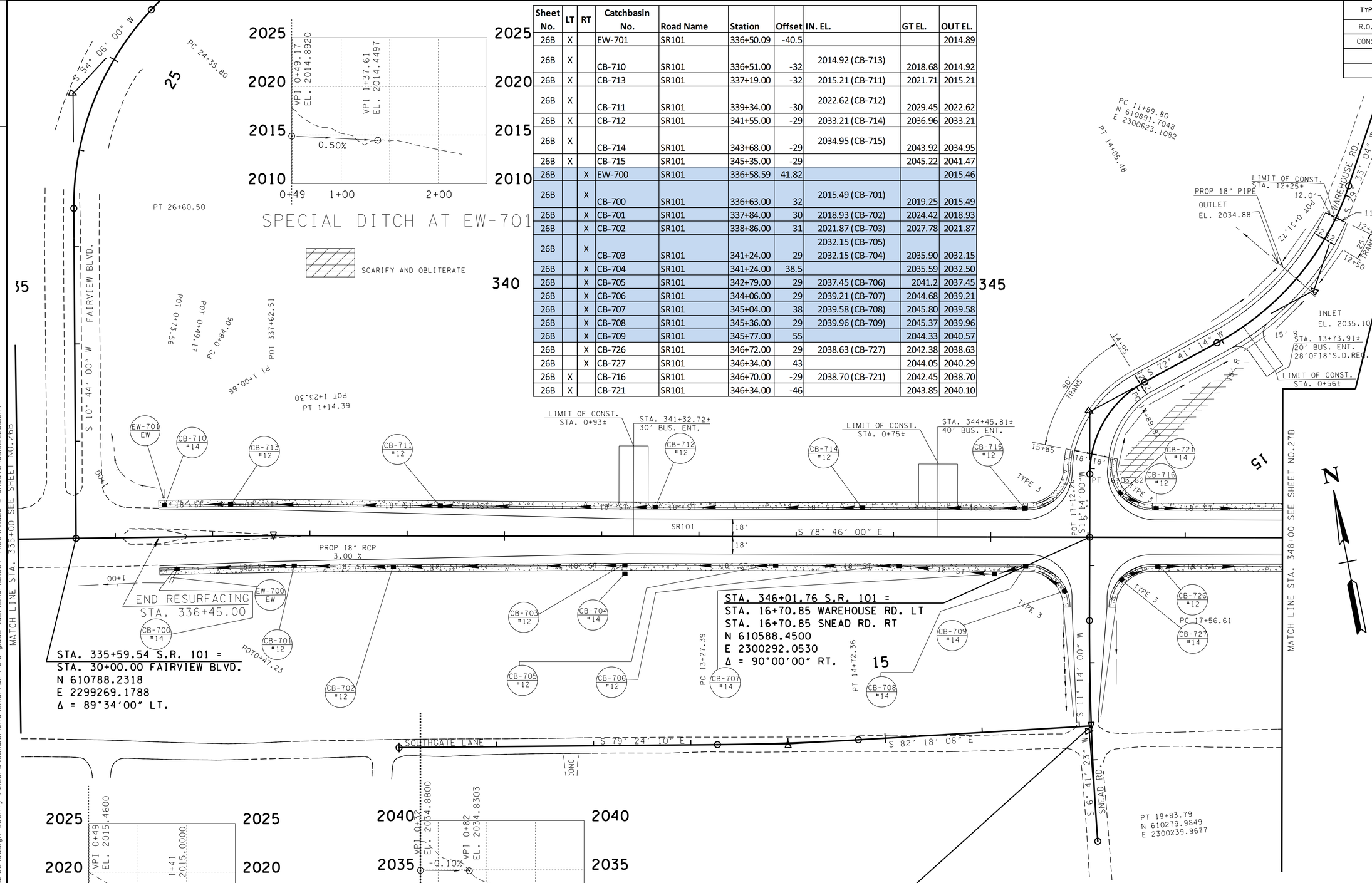
REV. 09-13-12- ADDED PAVMT MARKINGS

REV. 04-10-13- REVISED STORM SYSTEM AND ADDED LABELING. ADDED CATCHBASIN TABLES. ADDED SPECIAL DITCH PROFILES. REMOVED PVT MARKINGS. ADDED SCARIFICATION. REVISED DITCHES. DESIGN PIPE, ADDED SPECIAL DITCH FOR WAREHOUSE RD.

REV. 09-05-14- REVISED CB TABLE.

REV. 06-27-16- REVISED PROP DRAIN PER CONST REQ.

Sheet No.	LT	RT	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
26B	X		EW-701	SR101	336+50.09	-40.5			2014.89
26B	X		CB-710	SR101	336+51.00	-32	2014.92 (CB-713)	2018.68	2014.92
26B	X		CB-713	SR101	337+19.00	-32	2015.21 (CB-711)	2021.71	2015.21
26B	X		CB-711	SR101	339+34.00	-30	2022.62 (CB-712)	2029.45	2022.62
26B	X		CB-712	SR101	341+55.00	-29	2033.21 (CB-714)	2036.96	2033.21
26B	X		CB-714	SR101	343+68.00	-29	2034.95 (CB-715)	2043.92	2034.95
26B	X		CB-715	SR101	345+35.00	-29		2045.22	2041.47
26B		X	EW-700	SR101	336+58.59	41.82			2015.46
26B		X	CB-700	SR101	336+63.00	32	2015.49 (CB-701)	2019.25	2015.49
26B		X	CB-701	SR101	337+84.00	30	2018.93 (CB-702)	2024.42	2018.93
26B		X	CB-702	SR101	338+86.00	31	2021.87 (CB-703)	2027.78	2021.87
26B		X	CB-703	SR101	341+24.00	29	2032.15 (CB-705) 2032.15 (CB-704)	2035.90	2032.15
26B		X	CB-704	SR101	341+24.00	38.5		2035.59	2032.50
26B		X	CB-705	SR101	342+79.00	29	2037.45 (CB-706)	2041.2	2037.45
26B		X	CB-706	SR101	344+06.00	29	2039.21 (CB-707)	2044.68	2039.21
26B		X	CB-707	SR101	345+04.00	38	2039.58 (CB-708)	2045.80	2039.58
26B		X	CB-708	SR101	345+36.00	29	2039.96 (CB-709)	2045.37	2039.96
26B		X	CB-709	SR101	345+77.00	55		2044.33	2040.57
26B		X	CB-726	SR101	346+72.00	29	2038.63 (CB-727)	2042.38	2038.63
26B		X	CB-727	SR101	346+34.00	43		2044.05	2040.29
26B	X		CB-716	SR101	346+70.00	-29	2038.70 (CB-721)	2042.45	2038.70
26B	X		CB-721	SR101	346+34.00	-46		2043.85	2040.10



STA. 18+65.00 SNEAD. DR. =
STA. 17+12.26 SOUTHGATE LN.
N 610397.6440
E 2300256.2470
Δ = 88°51'29" LT.
Δ = 88°25'48" RT.

PROPOSED CURVE DATA

FARIVIEW BLVD.	WAREHOUSE RD.	WAREHOUSE RD.	SNEAD DR.	SOUTHGATE LANE
PI 25+53.84	PI 13+03.04	PI 15+54.12	PI 18+70.26	PI 13+99.89
N 611,237.7702	N 610,793.1950	N 610,715.2620	N 610,392.8600	N 610,439.4890
E 2,299,354.3923	E 2,300,567.2580	E 2,300,317.2390	E 2,300,253.2070	E 2,299,946.6660
Δ 43° 22' 00" (LT)	Δ 43° 08' 10" (RT)	Δ 61° 27' 15" (LT)	Δ 4° 32' 37" (LT)	Δ 2° 53' 58" (LT)
D 19° 18' 00"	D 20° 00' 00"	D 53° 00' 00"	D 2° 00' 00"	D 2° 00' 00"
R 296.87	R 286.48	R 108.11	R 2,864.79	R 2,864.79
L 224.70	L 215.68	L 115.95	L 227.18	L 144.97
T 118.04	T 113.24	T 64.26	T 113.65	T 72.50
SE MATCH EXIST	SE 0.057 FT/FT	SE 0.080 FT/FT	SE N.C.	SE N.C.
DESIGN SPEED 30 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 335+00 TO STA. 348+00

SCALE: 1"= 50'

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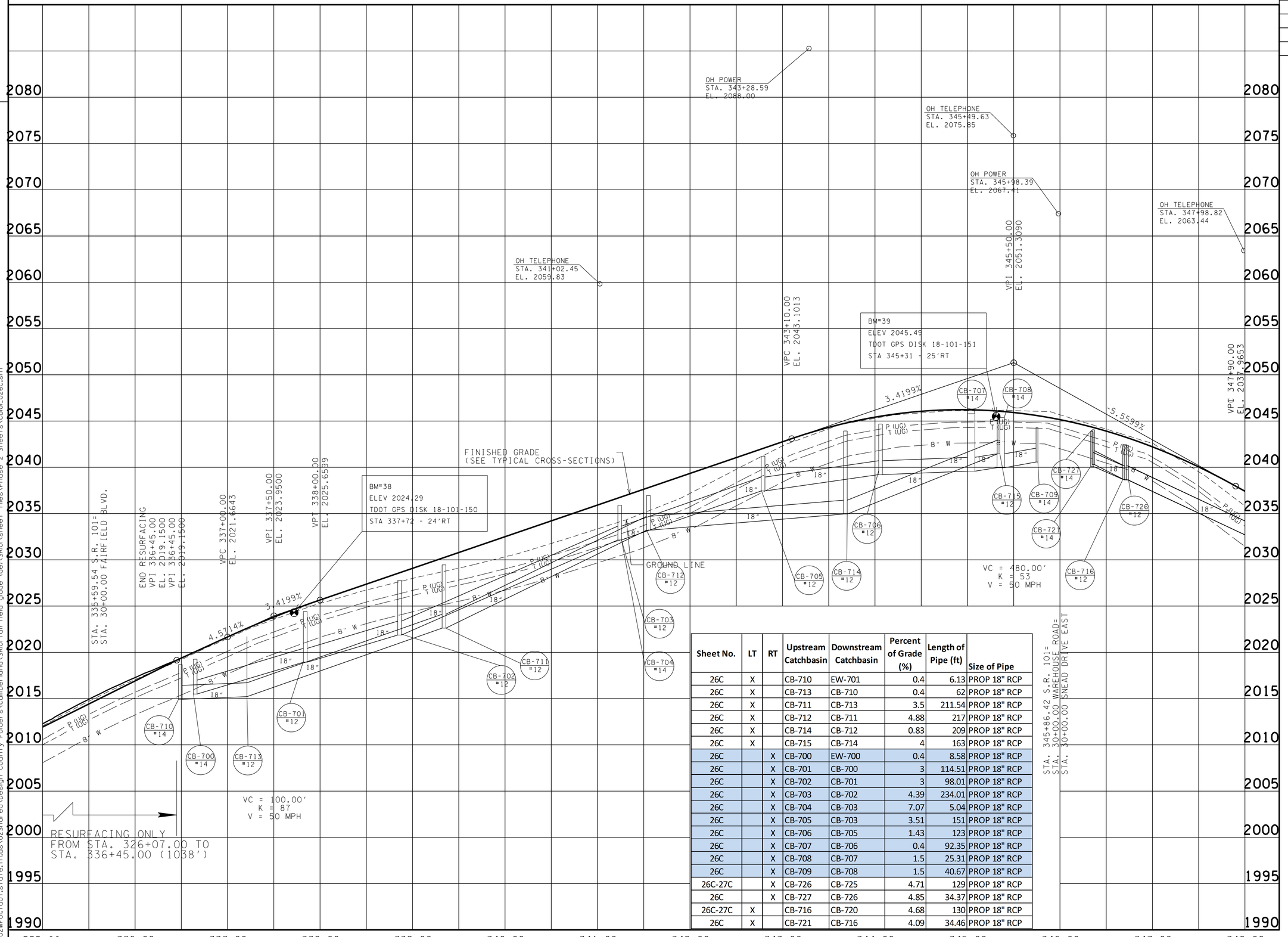
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	26C
CONST	2016	STP-101(17)	26C

REV. 04-10-13- DESIGN STORM SYSTEM AND ADDED LABELING. REMOVED EXCLUSION. ADDED RESURFACING. ADDED PIPE TABLE.

REV. 09-05-14- REVISED PIPE TABLE.

REV. 06-27-16- REVISED PROP DRAIN PER CONST REQ.



Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
26C	X		CB-710	EW-701	0.4	6.13	PROP 18" RCP
26C	X		CB-713	CB-710	0.4	62	PROP 18" RCP
26C	X		CB-711	CB-713	3.5	211.54	PROP 18" RCP
26C	X		CB-712	CB-711	4.88	217	PROP 18" RCP
26C	X		CB-714	CB-712	0.83	209	PROP 18" RCP
26C	X		CB-715	CB-714	4	163	PROP 18" RCP
26C		X	CB-700	EW-700	0.4	8.58	PROP 18" RCP
26C		X	CB-701	CB-700	3	114.51	PROP 18" RCP
26C		X	CB-702	CB-701	3	98.01	PROP 18" RCP
26C		X	CB-703	CB-702	4.39	234.01	PROP 18" RCP
26C		X	CB-704	CB-703	7.07	5.04	PROP 18" RCP
26C		X	CB-705	CB-703	3.51	151	PROP 18" RCP
26C		X	CB-706	CB-705	1.43	123	PROP 18" RCP
26C		X	CB-707	CB-706	0.4	92.35	PROP 18" RCP
26C		X	CB-708	CB-707	1.5	25.31	PROP 18" RCP
26C		X	CB-709	CB-708	1.5	40.67	PROP 18" RCP
26C-27C		X	CB-726	CB-725	4.71	129	PROP 18" RCP
26C		X	CB-727	CB-726	4.85	34.37	PROP 18" RCP
26C-27C	X		CB-716	CB-720	4.68	130	PROP 18" RCP
26C	X		CB-721	CB-716	4.09	34.46	PROP 18" RCP

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 335+00 TO STA. 348+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

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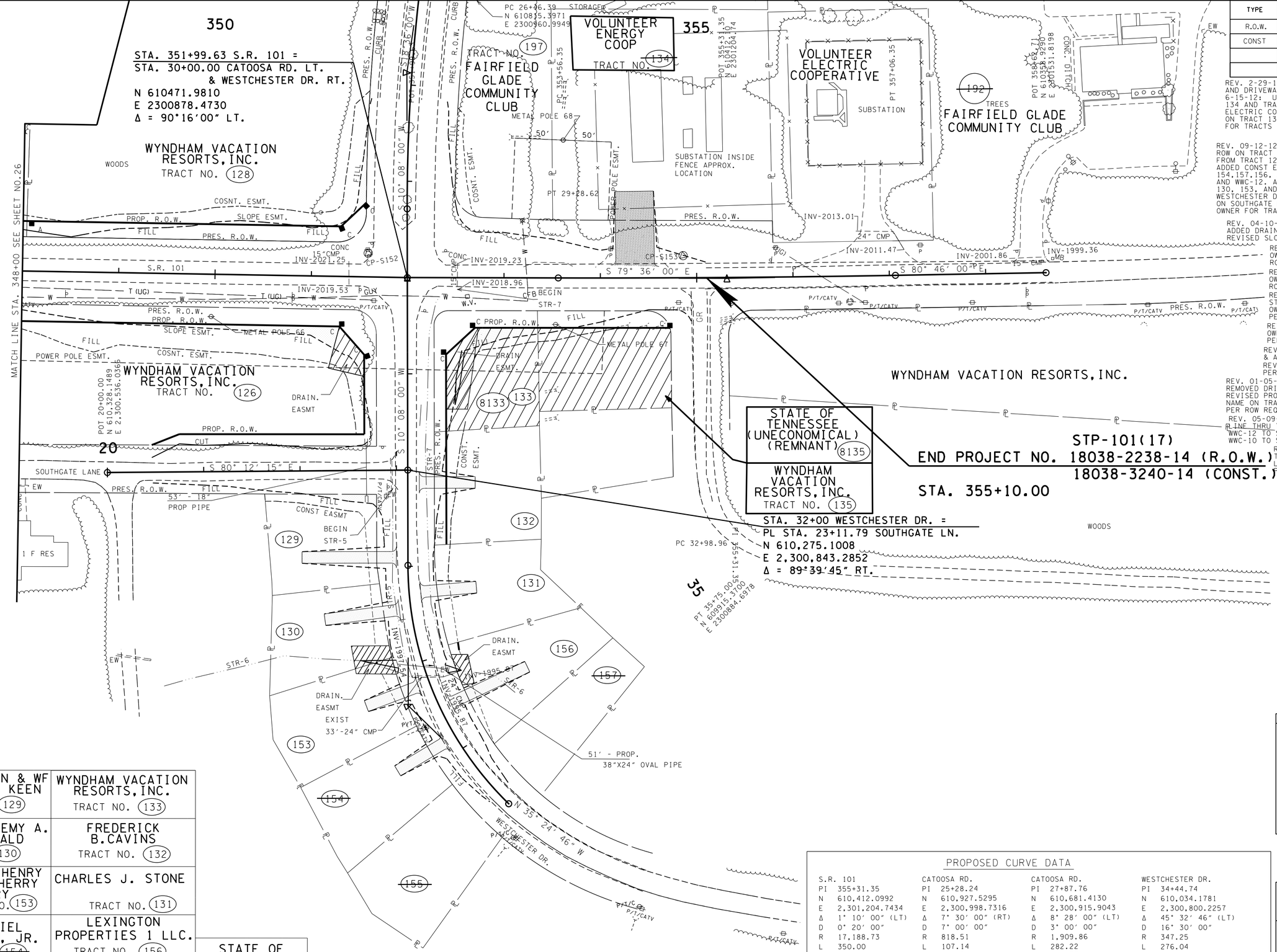
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	27
CONST	2016	STP-101(17)	27

REV. 2-29-12: LOCATED CHAIN LINK FENCE AND DRIVEWAY ON TRACT 134.
6-15-12: UPDATED PROPERTY LINES FOR TRACT 134 AND TRACT LABELED VOLUNTEER ELECTRIC COOPERATIVE. LOCATED STRUCTURES ON TRACT 134. UPDATED PROPERTY OWNER NAME FOR TRACTS 129, 131, AND 154

REV. 09-12-12: REVISED PRES.AND PROP. ROW ON TRACT 134. REMOVED PROP. ROW FROM TRACT 129,130,153,154,157,156, AND 131. ADDED CONST EASMT TO TRACT 129,130,153, 154,157,156, AND 131. ADDED WWC-10, WWC-11, AND WWC-12. ADDED DRAIN EASMT TO TRACT 130, 153, AND 156. ADDED PROP.PIPE TO WESTCHESTER DRIVE. REVISED SLOPE LINES ON SOUTHGATE LANE. UPDATED PROPERTY OWNER FOR TRACT 134

REV. 04-10-13: ADDED TRACT 192. ADDED DRAIN EASMT TO TRACT 133. REVISED SLOPE LINES.

REV. 09-05-14: REVISED PROPERTY OWNERS NAME FOR TRACT 128 PER ROW REQ.

REV. 03-16-15: REVISED PROPERTY OWNERS NAME FOR TRACT 128 PER ROW REQ.

REV. 03-23-15: ADDED DRIVEWAY AT STA.354+36.28. REVISED PROPERTY OWNER'S NAME FOR TRACT 131 & 132 PER ROW REQ.

REV. 04-14-15: REVISED PROPERTY OWNER'S NAME FOR TRACT 153 & 154 PER ROW REQ.

REV. 07-08-15: REVISED TRACT 134 & ADDED TRACT 197 PER ROW REQ.

REV. 07-09-15: REVISED TRACT 197 PER ROW REQ.

REV. 01-05-16: ADDED TRACTS 8133 AND 8135. REMOVED DRIVEWAY ON TRACT 133. REVISED PROPERTY OWNERS NAME ON TRACT 133 AND 135 PER ROW REQ.

REV. 05-09-16: REMOVED CONST EASMT AND R LINE THRU TRACT 154 PER ROW REQ.REVISED WWC-12 TO STR-6, WWC-11 TO STR-7, AND WWC-10 TO STR-5 PER ECOLOGY REQ.

REV. 05-27-16: ADDED BEGIN LABEL TO STR-5 AND STR-7 AND ADDED LABEL FOR EXIST PIPE PER PERMITS REQ.

CLEO E. KEEN & WF CYNTHIA A. KEEN TRACT NO. 129	WYNDHAM VACATION RESORTS, INC. TRACT NO. 133
J.A. & JEREMY A. FITZGERALD TRACT NO. 130	FREDERICK B.CAVINS TRACT NO. 132
DARRELL H. HENRY AND WIFE SHERRY D. HENRY TRACT NO. 153	CHARLES J. STONE TRACT NO. 131
JACK DANIEL CUNNINGHAM, JR. TRACT NO. ~~154~~	LEXINGTON PROPERTIES 1 LLC. TRACT NO. 156
LINDA JEAN MOORE TRACT NO. ~~155~~	LEROY GERTHA TRACT NO. ~~157~~

STATE OF TENNESSEE (UNECONOMICAL) (REMNANT) TRACT NO. 8133

PROPOSED CURVE DATA

S.R. 101	CATOOSA RD.	CATOOSA RD.	WESTCHESTER DR.
PI 355+31.35	PI 25+28.24	PI 27+87.76	PI 34+44.74
N 610,412.0992	N 610,927.5295	N 610,681.4130	N 610,034.1781
E 2,301,204.7434	E 2,300,998.7316	E 2,300,915.9043	E 2,300,800.2257
Δ 1° 10' 00" (LT)	Δ 7° 30' 00" (RT)	Δ 8° 28' 00" (LT)	Δ 45° 32' 46" (LT)
D 0° 20' 00"	D 7° 00' 00"	D 3° 00' 00"	D 16° 30' 00"
R 17,188.73	R 818.51	R 1,909.86	R 347.25
L 350.00	L 107.14	L 282.22	L 276.04
T 175.01	T 53.65	T 141.37	T 145.78
SE N.C.	SE 0.028 FT/FT	SE R.C.	SE 0.075 FT/FT
DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 30 MPH
			RUNOFF 101.3' (14% OUTSIDE 89% INSIDE)

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 348+00 TO STA. 358+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.	2011	STP-101(17)	27A
CONST	2016	STP-101(17)	27A

REV. 6-15-12: UPDATED PROPERTY LINES FOR TRACT 134 AND TRACT LABELED VOLUNTEER ELECTRIC COOPERATIVE. UPDATED PROPERTY OWNER NAME FOR TRACTS 129, 131, AND 154.

REV. 09-12-12: REVISED PRES.AND PROP. ROW ON TRACT 134. REMOVED PROP. ROW FROM TRACT 129,130,153,154,157,156, AND 131. ADDED CONST EASMT TO TRACT 129,130,153, 154,157,156, AND 131. ADDED DRAIN EASMT TO TRACT 130, 153, AND 156. REVISED SLOPE LINES ON SOUTHGATE LANE.

REV. 04-10-13: REVISED SLOPE LINES. ADDED DRAIN EASMT ON TRACT 133.

REV. 09-05-14: REVISED PROPERTY OWNERS NAME FOR TRACT 128 PER ROW REQ.

REV. 03-16-15: REVISED PROPERTY OWNERS NAME FOR TRACT 128 PER ROW REQ.

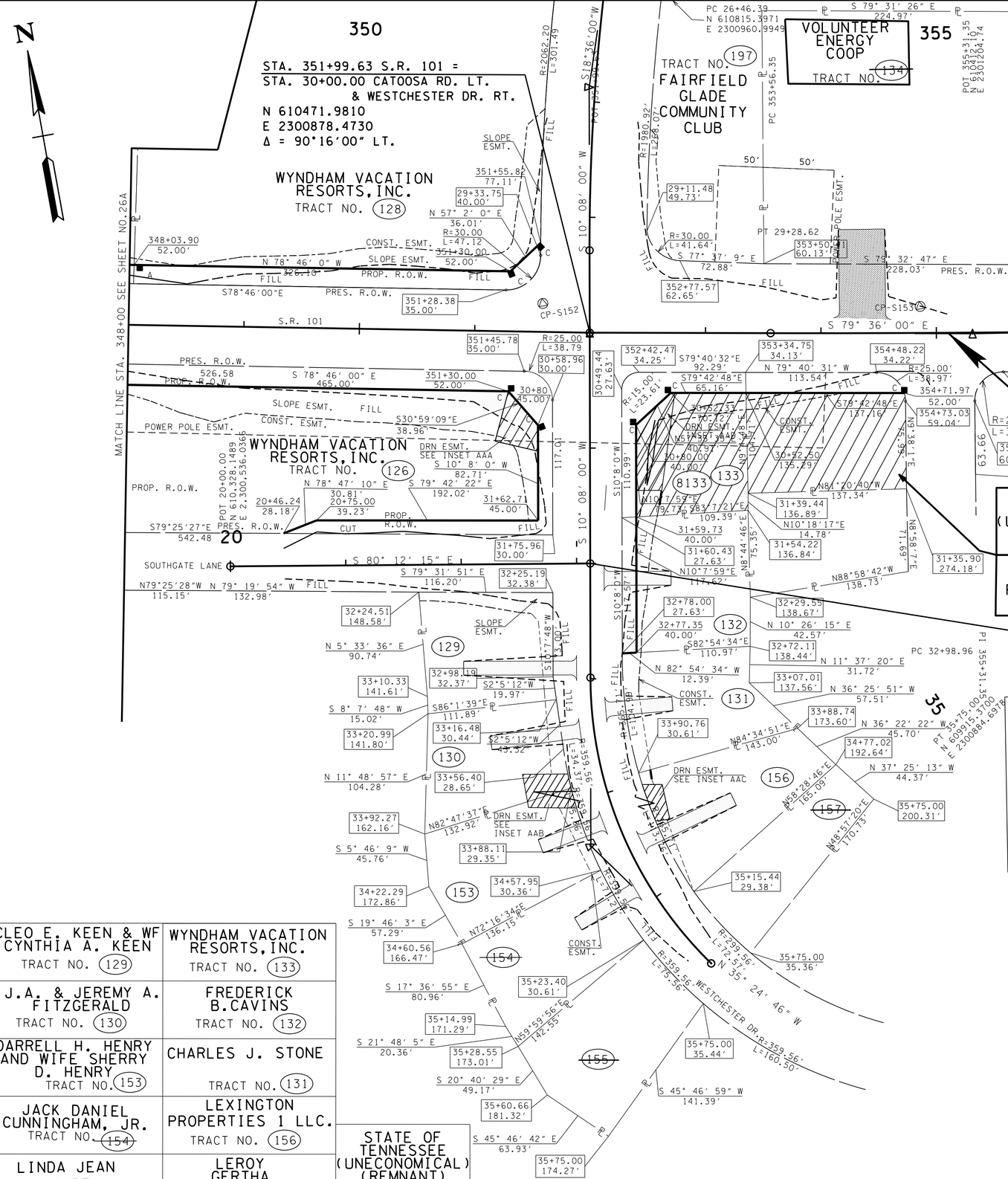
REV. 04-14-15: REVISED PROPERTY OWNER'S NAME FOR TRACT 153 & 154 PER ROW REQ.

REV. 07-08-15: REVISED TRACT 134 & ADDED TRACT 197 PER ROW REQ.

REV. 07-09-15: REVISED TRACT 197 PER ROW REQ.

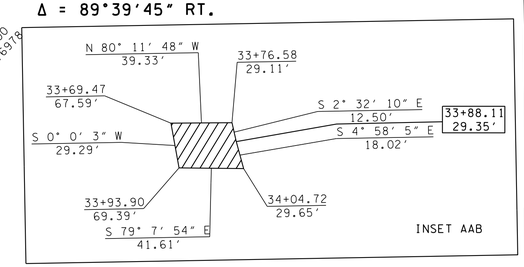
REV. 01-05-16:ADDED TRACTS 8133 AND 8135. REMOVED DRIVEWAY ON TRACT 133. REVISED PROPERTY OWNERS NAME ON TRACT 133 AND 135 PER ROW REQ.

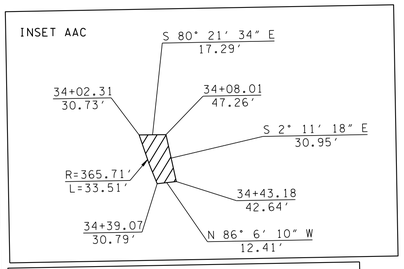
REV. 05-09-16: REMOVED CONST EASMT AND LINE THRU TRACT 154 PER ROW REQ.

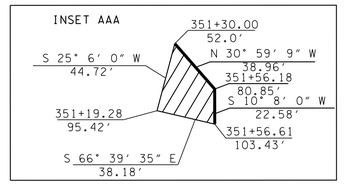


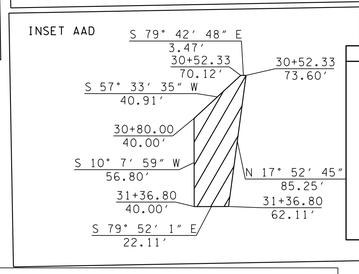
CLEO E. KEEN & WF CYNTHIA A. KEEN TRACT NO. 129	WYNDHAM VACATION RESORTS, INC. TRACT NO. 133
J.A. & JEREMY A. FITZGERALD TRACT NO. 130	FREDERICK B.CAVINS TRACT NO. 132
DARRELL H. HENRY AND WIFE SHERRY D. HENRY TRACT NO. 153	CHARLES J. STONE TRACT NO. 131
JACK DANIEL CUNNINGHAM, JR. TRACT NO. 154	LEXINGTON PROPERTIES 1 LLC. TRACT NO. 156
LINDA JEAN MOORE TRACT NO. 155	LEROY GERTHA TRACT NO. 157

STATE OF TENNESSEE (UNECONOMICAL) (REMNANT) TRACT NO. 8133









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CONSTRUCTABILITY FIELD REVIEW

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. 348+00 TO STA. 358+00

SCALE: 1"= 50'

PROPOSED CURVE DATA

S.R. 101	CATOOSA RD.	CATOOSA RD.	WESTCHESTER DR.
PI 355+31.35	PI 25+28.24	PI 27+87.76	PI 34+44.74
N 610,412.0992	N 610,927.5295	N 610,681.4130	N 610,034.1781
E 2,301,204.7434	E 2,300,998.7316	E 2,300,915.9043	E 2,300,800.2257
Δ 1° 10' 00" (LT)	Δ 7° 30' 00" (RT)	Δ 8° 28' 00" (LT)	Δ 45° 32' 46" (LT)
D 0° 20' 00"	D 7° 00' 00"	D 3° 00' 00"	D 16° 30' 00"
R 17,188.73	R 818.51	R 1,909.86	R 347.25
L 350.00	L 107.14	L 282.22	L 276.04
T 175.01	T 53.65	T 141.37	T 145.78
SE N.C.	SE 0.028 FT/FT	SE R.C.	SE 0.075 FT/FT
DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 30 MPH
			RUNOFF 101.3' (14% OUTSIDE 89% INSIDE)

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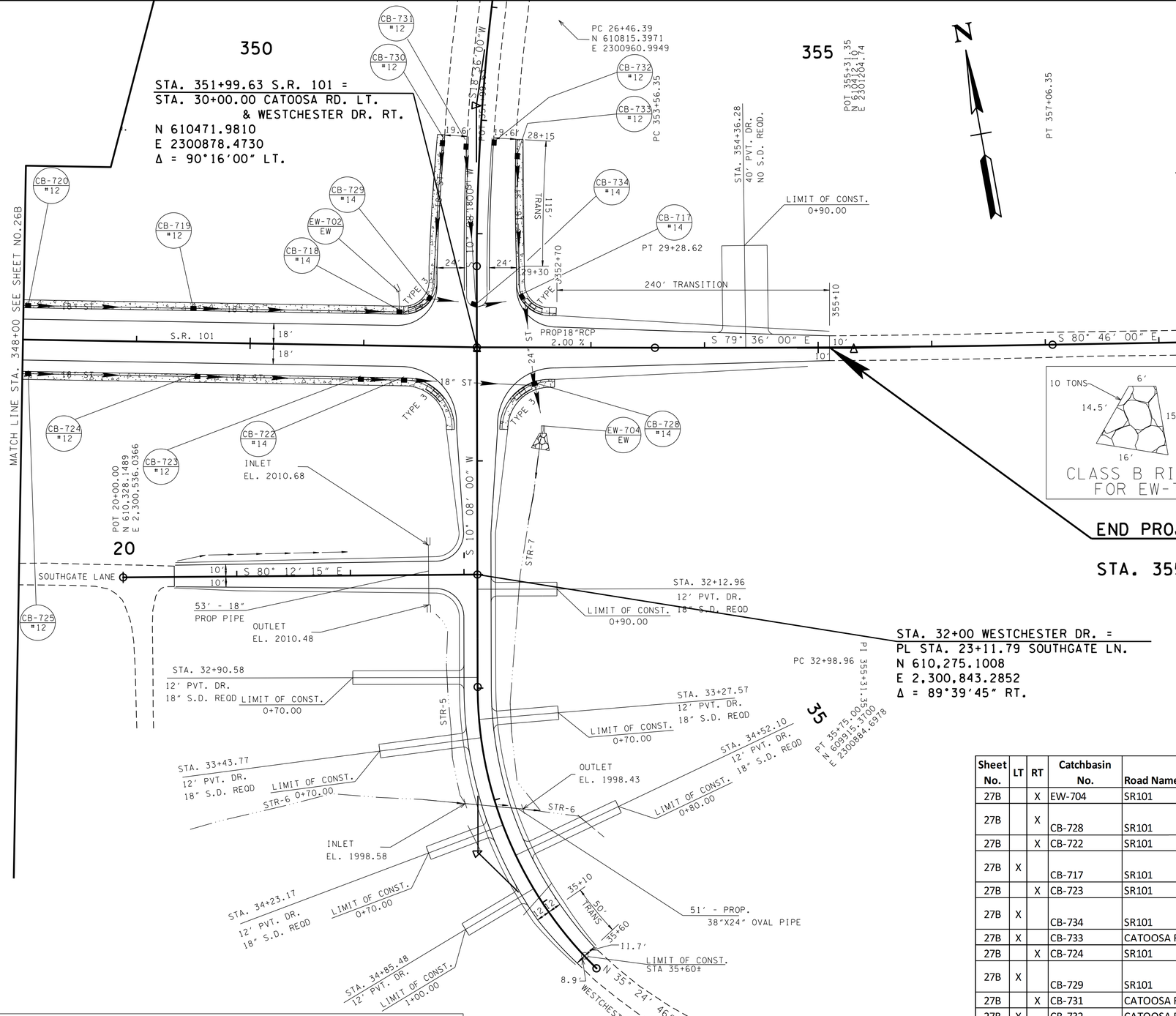
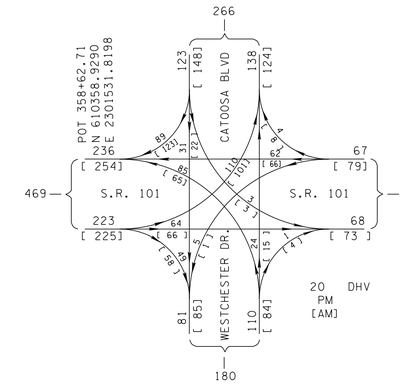
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	27B
CONST	2016	STP-101(17)	27B





REV. 09-12-12 - UPDATED TRAFFIC DATA. ADDED SIDE DRAINS, INLET & OUTLET EL. ADDED PROP. PIPES. ADDED PAVMT MARKINGS. ADDED WWC-10, WWC-11, AND WWC-12.

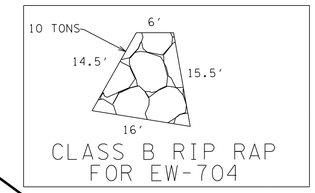
REV. 09-13-12 - ADDED PAVMT MARKINGS.

REV. 04-10-13 - REVISED STATION AT SR101/CATOOSA&WESTCHESTER INTERSECTION. DESIGN STORM SYSTEM AND ADDED LABELING. REMOVED PVT MARKINGS. ADDED CATCHBASIN TABLE. ADDED CLASS B RIP RAP FOR EW-704.
REV. 09-05-14 - REVISED CB TABLE.

REV. 03-23-14 - ADDED DRIVEWAY AT STA.354+36.28.
REV. 01-05-16 - REMOVED DRIVEWAY AT STA.31+43.39LT WESTCHESTER DR.

REV. 05-09-16 - REVISED WWC-12 TO STR-6, WWC-11 TO STR-7, AND WWC-10 TO STR-5 PER ECOLOGY REQ.

REV. 06-27-16 - REVISED PROP DRAIN PER CONST REQ.



STP-101(17)
END PROJECT NO. 18038-2238-14 (R.O.W.)
18038-3240-14 (CONST.)
STA. 355+10.00

STA. 32+00 WESTCHESTER DR. =
PL STA. 23+11.79 SOUTHGATE LN.
N 610,275.1008
E 2,300,843.2852
Δ = 89°39'45" RT.

PROPOSED CURVE DATA

S.R. 101	CATOOSA RD.	CATOOSA RD.	WESTCHESTER DR.
PI 355+31.35	PI 25+28.24	PI 27+87.76	PI 34+44.74
N 610,412.0992	N 610,927.5295	N 610,681.4130	N 610,034.1781
E 2,301,204.7434	E 2,300,998.7316	E 2,300,915.9043	E 2,300,800.2257
Δ 1° 10′ 00″ (LT)	Δ 7° 30′ 00″ (RT)	Δ 8° 28′ 00″ (LT)	Δ 45° 32′ 46″ (LT)
D 0° 20′ 00″	D 7° 00′ 00″	D 3° 00′ 00″	D 16° 30′ 00″
R 17,188.73	R 818.51	R 1,909.86	R 347.25
L 350.00	L 107.14	L 282.22	L 276.04
T 175.01	T 53.65	T 141.37	T 145.78
SE N.C.	SE 0.028 FT/FT	SE R.C.	SE 0.075 FT/FT
DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 30 MPH
			RUNOFF 101.3′ (14% OUTSIDE 89% INSIDE)

Sheet No.	LT	RT	Catchbasin No.	Road Name	Station	Offset	IN. EL.	GT EL.	OUT EL.
27B		X	EW-704	SR101	352+58.00	69			2017.49
27B		X	CB-728	SR101	352+50.00	32	2020.06 (CB-717) 2022.34 (CB-722)	2026.43	2017.68
27B		X	CB-722	SR101	351+36.00	29	2023.42 (CB-723)	2027.25	2023.41
27B	X		CB-717	SR101	352+40.00	-45	2023.04 (CB-733) 2020.78 (CB-734)	2027.2	2020.78
27B		X	CB-723	SR101	350+98.00	29	2023.58 (CB-724)	2027.33	2023.58
27B	X		CB-734	SR101	351+96.00	-37	2022.84 (CB-731) 2021.49 (CB-729)	2027	2021.48
27B	X		CB-733	CATOOSA RD	28+30.00	-32.5	2019.30 (CB-732)	2030.16	2026.4
27B		X	CB-724	SR101	349+54.00	29	2026.33 (CB-725)	2030.08	2026.33
27B	X		CB-729	SR101	351+58.00	-42	2022.16 (CB-718) 2023.69 (CB-730)	2027.85	2021.66
27B		X	CB-731	CATOOSA RD	28+24.00	13		2031.35	2026.83
27B	X		CB-732	CATOOSA RD	28+19.00	-11.5		2030.98	2026.82
27B		X	CB-725	SR101	348+05.00	29	2032.55 (CB-726)	2036.3	2032.55
27B	X		CB-718	SR101	351+31.00	-29	2023.53 (CB-719) 2022.39 (EW-702)	2027.28	2022.38
27B		X	CB-730	CATOOSA RD	28+22.00	32		2031.65	2027.23
27B	X		CB-719	SR101	349+49.60	-29	2026.47 (CB-720)	2030.22	2026.47
27B	X		EW-702	SR101	351+30.00	-48		2024.22	2022.72
27B	X		CB-720	SR101	348+04.00	-29	2032.61 (CB-716)	2036.36	2032.61

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 348+00 TO STA. 358+00

SCALE: 1"= 50'

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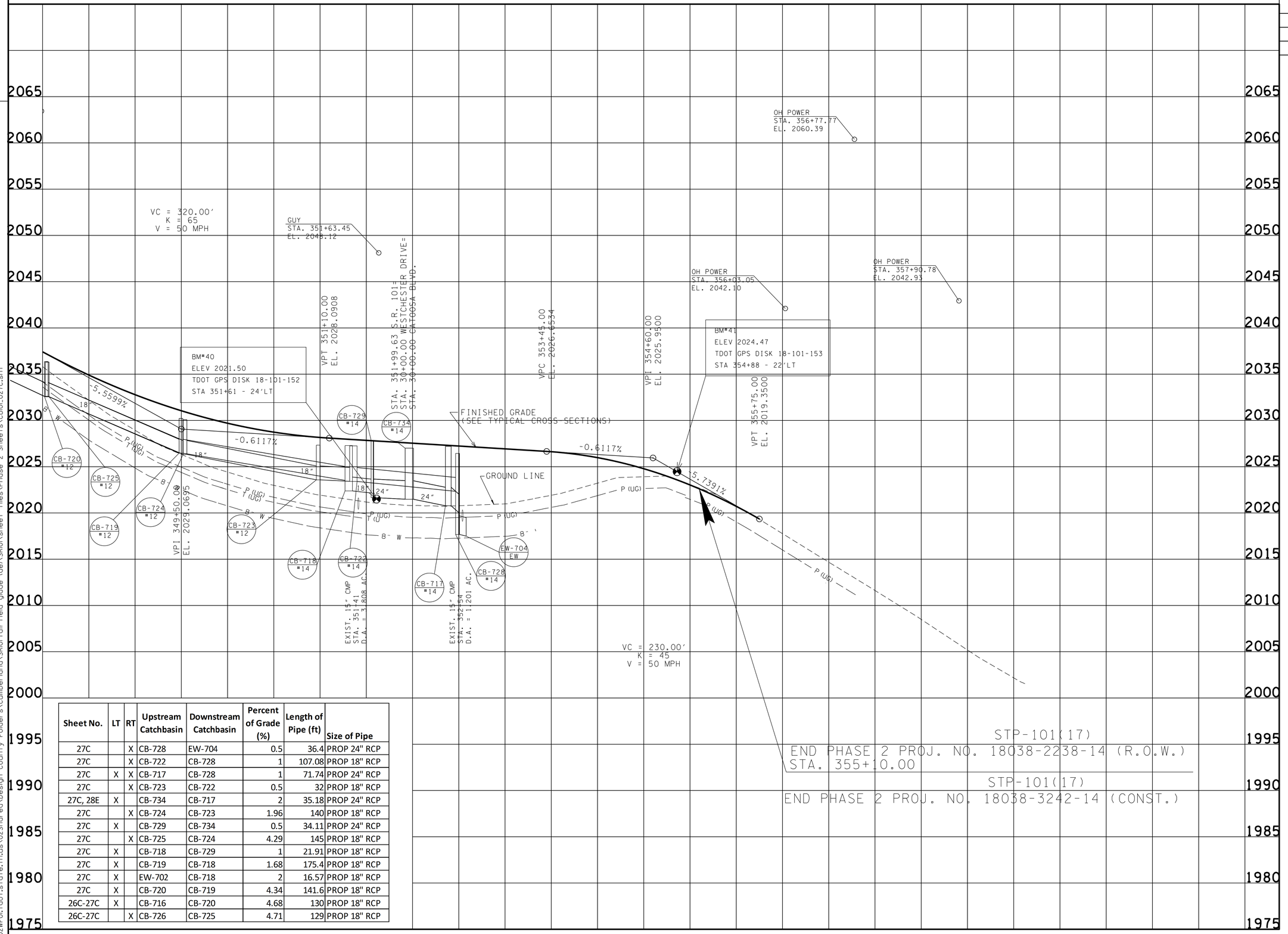
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	27C
CONST	2016	STP-101(17)	27C

REV. 04-10-13- ADDED PIPE TABLE.
DESIGN STORM DRAINAGE SYSTEM.
REV. 09-05-14- REVISED PIPE TABLE.
REV. 06-27-16- REVISED PROP DRAIN PER CONST REQ.



Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
27C		X	CB-728	EW-704	0.5	36.4	PROP 24" RCP
27C		X	CB-722	CB-728	1	107.08	PROP 18" RCP
27C	X	X	CB-717	CB-728	1	71.74	PROP 24" RCP
27C		X	CB-723	CB-722	0.5	32	PROP 18" RCP
27C, 28E	X		CB-734	CB-717	2	35.18	PROP 24" RCP
27C		X	CB-724	CB-723	1.96	140	PROP 18" RCP
27C	X		CB-729	CB-734	0.5	34.11	PROP 24" RCP
27C		X	CB-725	CB-724	4.29	145	PROP 18" RCP
27C	X		CB-718	CB-729	1	21.91	PROP 18" RCP
27C	X		CB-719	CB-718	1.68	175.4	PROP 18" RCP
27C	X		EW-702	CB-718	2	16.57	PROP 18" RCP
27C	X		CB-720	CB-719	4.34	141.6	PROP 18" RCP
26C-27C	X		CB-716	CB-720	4.68	130	PROP 18" RCP
26C-27C		X	CB-726	CB-725	4.71	129	PROP 18" RCP

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 348+00 TO STA. 358+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

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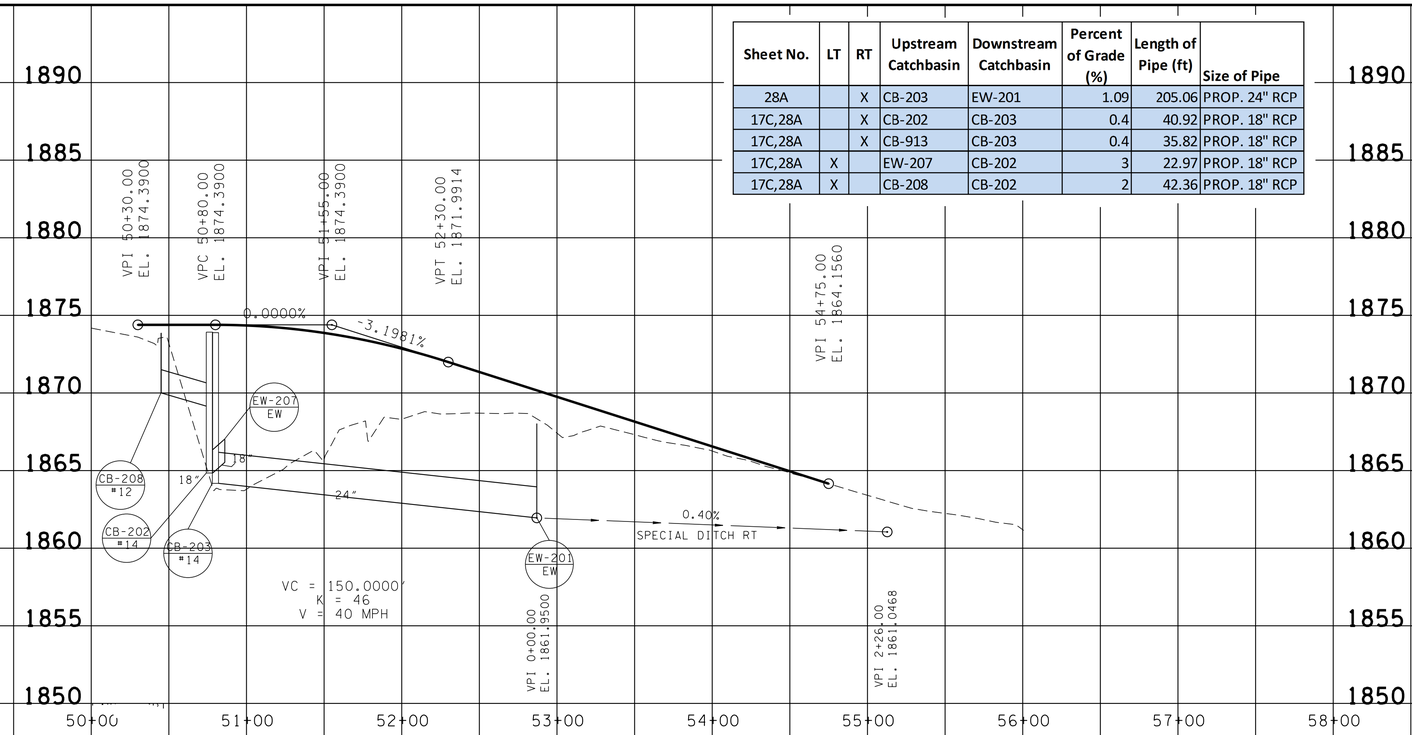
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	28A
CONST	2016	STP-101(17)	28A

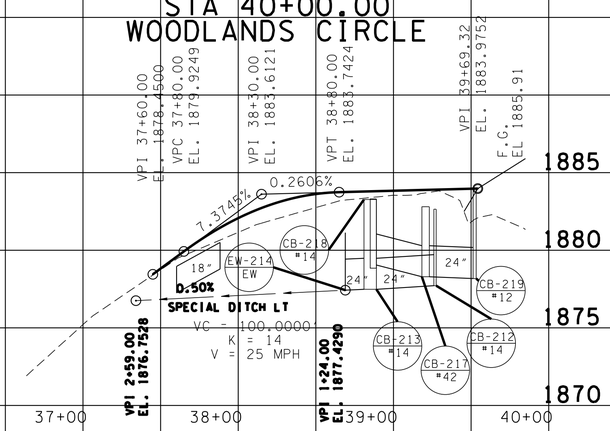
REV.04-10-13-ADDED SHEET.
REV.09-05-14-ADDED PIPE TABLE.
REV.03-23-15-ADDED PIPE TO WOODLANDS CIRCLE.
REV.06-27-16-REVISED PROP DRAIN PER CONST REQ.

Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
28A		X	CB-203	EW-201	1.09	205.06	PROP. 24" RCP
17C,28A		X	CB-202	CB-203	0.4	40.92	PROP. 18" RCP
17C,28A		X	CB-913	CB-203	0.4	35.82	PROP. 18" RCP
17C,28A	X		EW-207	CB-202	3	22.97	PROP. 18" RCP
17C,28A	X		CB-208	CB-202	2	42.36	PROP. 18" RCP



STA. 200+23.69 S.R. 101 =
STA. 50+00.00
LAKEVIEW DRIVE

STA. 228+17.41 S.R. 101 =
STA 40+00.00
WOODLANDS CIRCLE



Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
17C,28A	X		CB-213	EW-214	0.4	13.43	PROP. 24" RCP
17C,28A	X		CB-212	CB-213	0.4	58.71	PROP. 24" RCP
17C,28A	X		CB-219	CB-212	0.4	115	PROP. 24" RCP
17C,28A	X		CB-217	CB-219	0.4	28.86	PROP. 24" RCP
17C,28A	X		CB-218	CB-217	2.08	36.37	PROP. 24" RCP

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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.	2011	STP-101(17)	28B
CONST	2016	STP-101(17)	28B

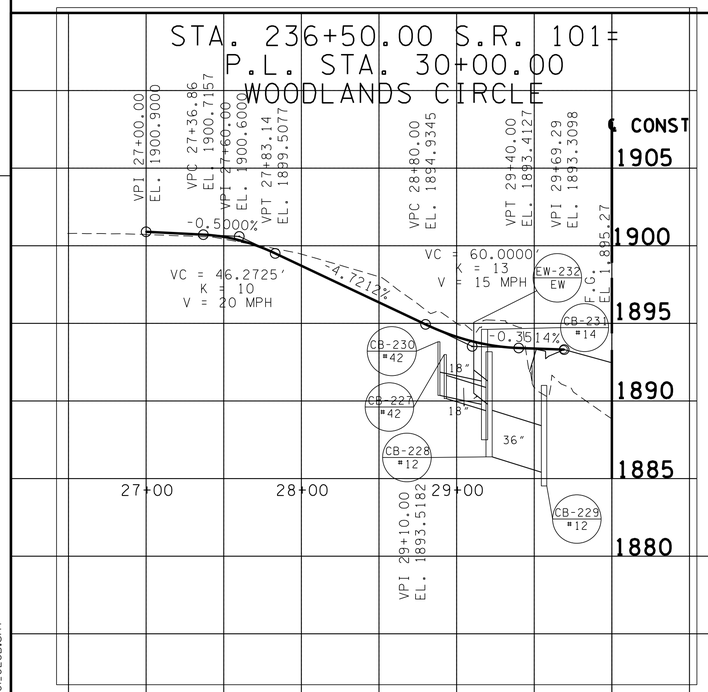
REV. 09-12-12- REVISED WOODLAND CIRCLE PROFILES

REV. 04-10-13- ADDED STORM DRAINAGE SYSTEM AND BOX TO ALL PROFILES.

REV. 09-05-14- ADDED PIPE TABLES. ADDED SIDEDRAINS TABLE. REVISED BOX INFO FOR WESTMINISTER BOX.

REV. 04-14-15- REVISED LOCATION OF PIPE PER ROW REQ.

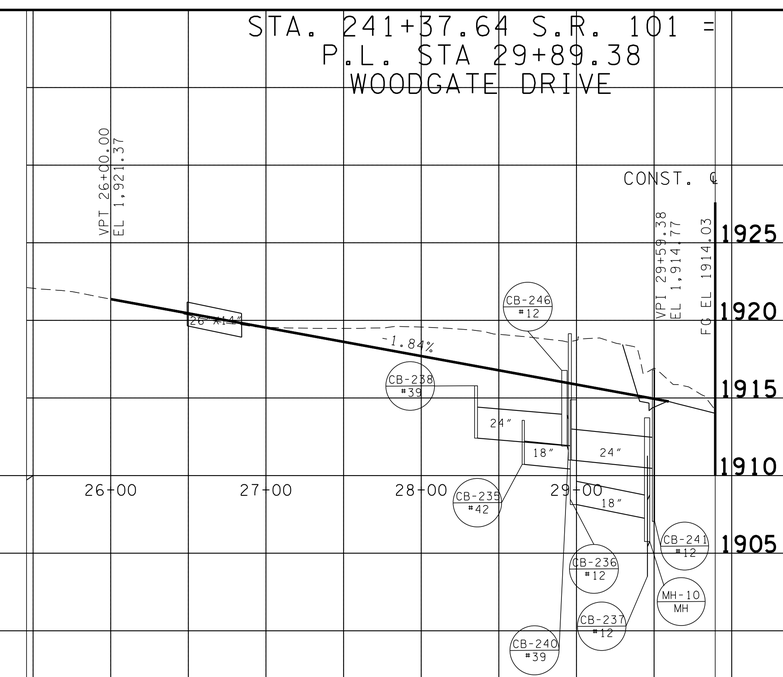
REV. 06-27-16- REVISED PROP DRAIN PER CONST REQ.

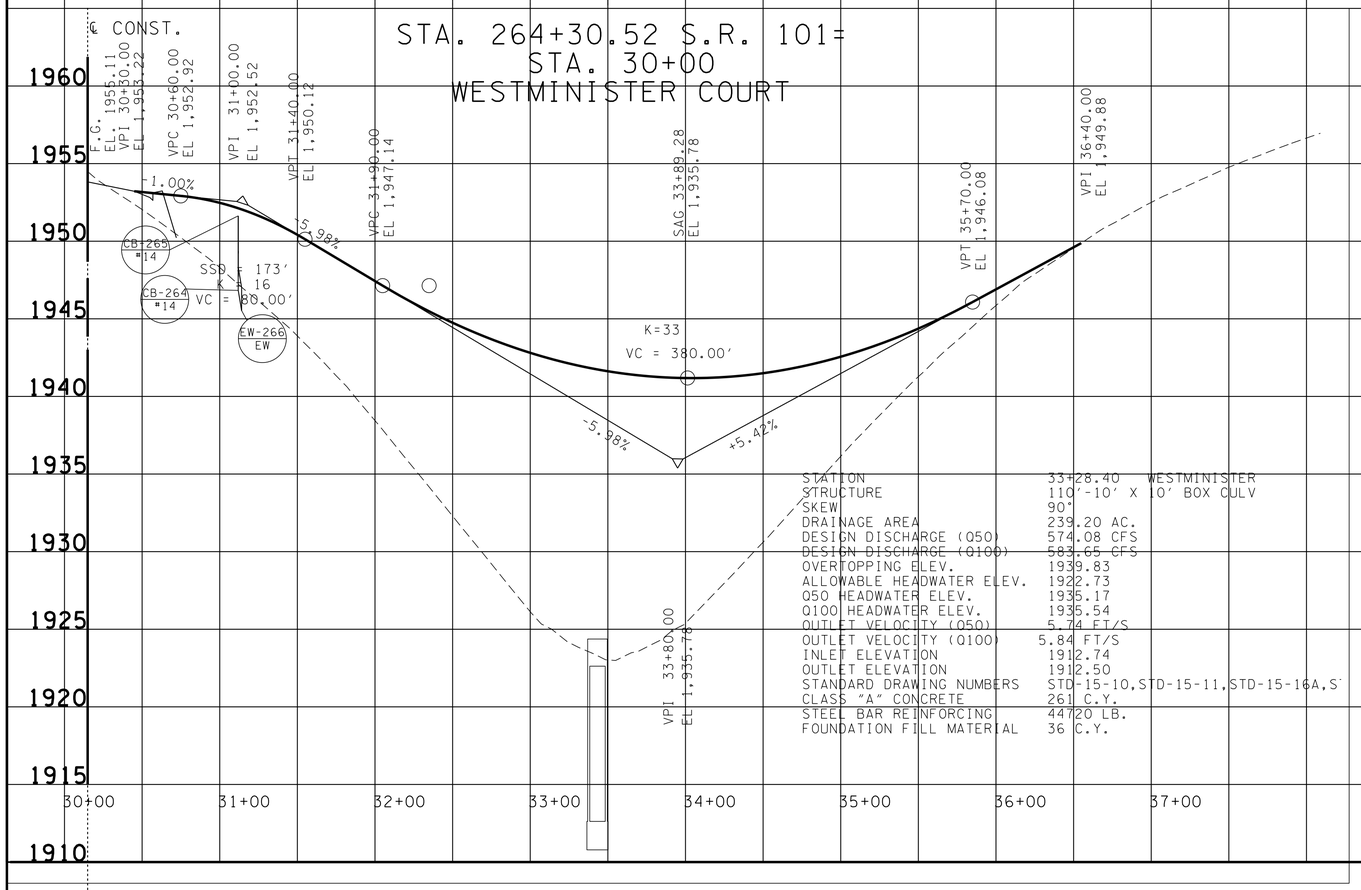


Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
28B		X	CB-228	CB-229	2	49.42	PROP. 36" RCP
28B		X	CB-227	CB-228	3.12	25.01	PROP. 18" RCP
28B	X		CB-230	CB-231	2	28.47	PROP. 18" RCP
28B	X		EW-232	CB-231	2	35.69	PROP. 18" RCP
28B		X	CB-236	MH-10	2	44.14	PROP 18" RCP
28B		X	MH-10	CB-237	1	32.29	PROP 36" RCP
28B	X		CB-240	CB-241	1	53.57	PROP 24" RCP
28B		X	CB-235	CB-236	1	29.47	PROP 18" RCP
28B	X		CB-246	CB-240	1	25.27	PROP 24" RCP
28B	X		CB-238	CB-246	0.8	57.1	PROP 24" RCP
28B	X		CB-244	MH-8	1	43.49	PROP 24" RCP
28B	X		MH-8	CB-245	0.5	16.06	PROP 24" RCP
28B	X		CB-243	CB-244	6	17.67	PROP 18" RCP
28B	X		CB-247	CB-249	0.4	54.75	PROP 18" RCP
28B	X		CB-248	CB-247	0.5	15.54	PROP 18" RCP
28B	X		EW-246	CB-248	3	15.11	PROP 18" RCP
28B		X	CB-264	EW-266	10	12.96	PROP 18" RCP
28B	X	X	CB-265	CB-264	0.4	40.92	PROP 18" RCP
28B	X	X	CB-231	CB-228	1	40.94	PROP. 18" RCP

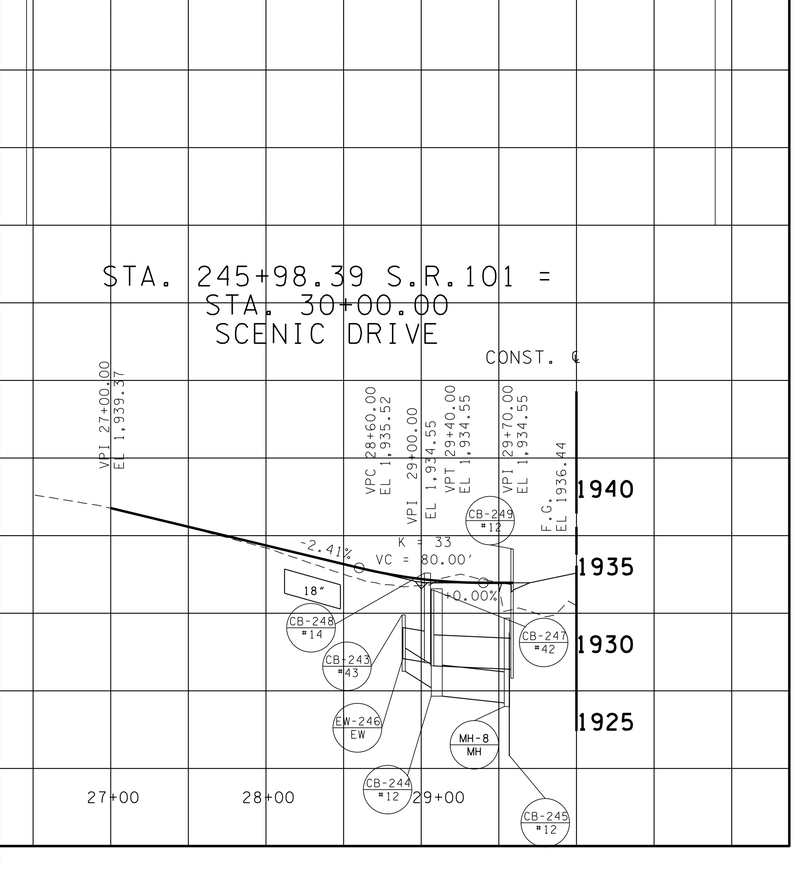
SIDEDRAINS

Station	LT	RT	LENGTH (ft)	SIZE (in)
26+66.85-WOODGATE	X		35	26X14
28+16.87-SCENIC		X	36	18





STATION	33+28.40 WESTMINISTER
STRUCTURE	110'-10' X 10' BOX CULV
SKEW	90°
DRAINAGE AREA	239.20 AC.
DESIGN DISCHARGE (Q50)	574.08 CFS
DESIGN DISCHARGE (Q100)	583.65 CFS
OVERTOPPING ELEV.	1939.83
ALLOWABLE HEADWATER ELEV.	1922.73
Q50 HEADWATER ELEV.	1935.17
Q100 HEADWATER ELEV.	1935.54
OUTLET VELOCITY (Q50)	5.74 FT/S
OUTLET VELOCITY (Q100)	5.84 FT/S
INLET ELEVATION	1912.74
OUTLET ELEVATION	1912.50
STANDARD DRAWING NUMBERS	STD-15-10,STD-15-11,STD-15-16A,S
CLASS "A" CONCRETE	261 C.Y.
STEEL BAR REINFORCING	44720 LB.
FOUNDATION FILL MATERIAL	36 C.Y.



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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.	2011	STP-101(17)	28C
CONST	2016	STP-101(17)	28C

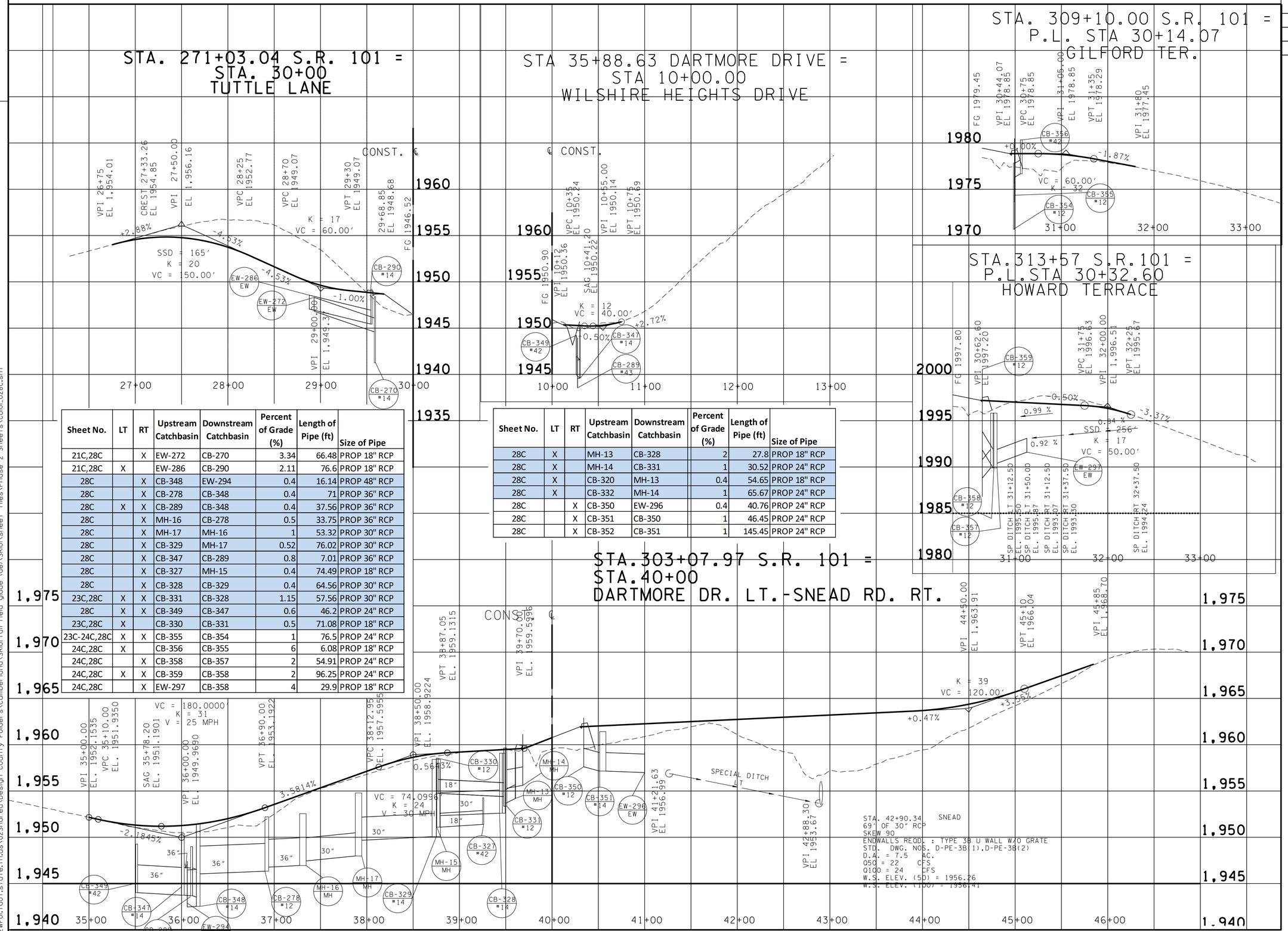
REV. 09-12-12- CORRECTED STA. FOR WILSHIRE HEIGHTS DR REVISED DARTMORE DRIVE ALIGNMENT

REV. 04-10-13- ADDED STORM SYSTEM TO ALL PROFILES. REVISED SPECIAL DITCH ON SNEAD.

REV. 09-05-14- ADDED STORM SYSTEM TO PROFILES AND PIPE TABLE.

REV. 01-07-15- UPDATED PIPE TABLE.

REV. 06-27-16- REVISED PROP DRAIN PER CONST REQ.



Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
21C,28C		X	EW-272	CB-270	3.34	66.48	PROP 18" RCP
21C,28C	X		EW-286	CB-290	2.11	76.6	PROP 18" RCP
28C		X	CB-348	EW-294	0.4	16.14	PROP 48" RCP
28C		X	CB-278	CB-348	0.4	71	PROP 36" RCP
28C	X	X	CB-289	CB-348	0.4	37.56	PROP 36" RCP
28C		X	MH-16	CB-278	0.5	33.75	PROP 36" RCP
28C		X	MH-17	MH-16	1	53.32	PROP 30" RCP
28C		X	CB-329	MH-17	0.52	76.02	PROP 30" RCP
28C		X	CB-347	CB-289	0.8	7.01	PROP 36" RCP
28C		X	CB-327	MH-15	0.4	74.49	PROP 18" RCP
28C		X	CB-328	CB-329	0.4	64.56	PROP 30" RCP
23C,28C	X	X	CB-331	CB-328	1.15	57.56	PROP 30" RCP
28C	X	X	CB-349	CB-347	0.6	46.2	PROP 24" RCP
23C,28C	X		CB-330	CB-331	0.5	71.08	PROP 18" RCP
23C-24C,28C	X	X	CB-355	CB-354	1	76.5	PROP 24" RCP
24C,28C	X		CB-356	CB-355	6	6.08	PROP 18" RCP
24C,28C		X	CB-358	CB-357	2	54.91	PROP 24" RCP
24C,28C	X	X	CB-359	CB-358	2	96.25	PROP 24" RCP
24C,28C		X	EW-297	CB-358	4	29.9	PROP 18" RCP

Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
28C	X		MH-13	CB-328	2	27.8	PROP 18" RCP
28C	X		MH-14	CB-331	1	30.52	PROP 24" RCP
28C	X		CB-320	MH-13	0.4	54.65	PROP 18" RCP
28C	X		CB-332	MH-14	1	65.67	PROP 24" RCP
28C		X	CB-350	EW-296	0.4	40.76	PROP 24" RCP
28C		X	CB-351	CB-350	1	46.45	PROP 24" RCP
28C		X	CB-352	CB-351	1	145.45	PROP 24" RCP

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STATE OF TENNESSEE
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PROFILE OF SIDE ROADS AND STREETS

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

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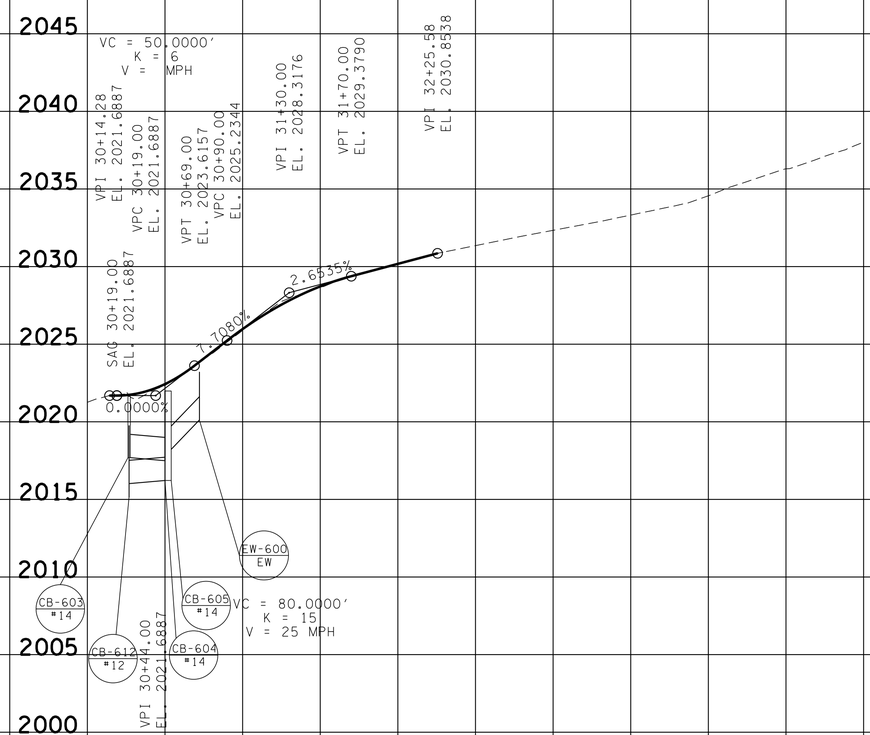
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	28D
CONST	2016	STP-101(17)	28D

REV.04-10-13-ADDED SHEET.

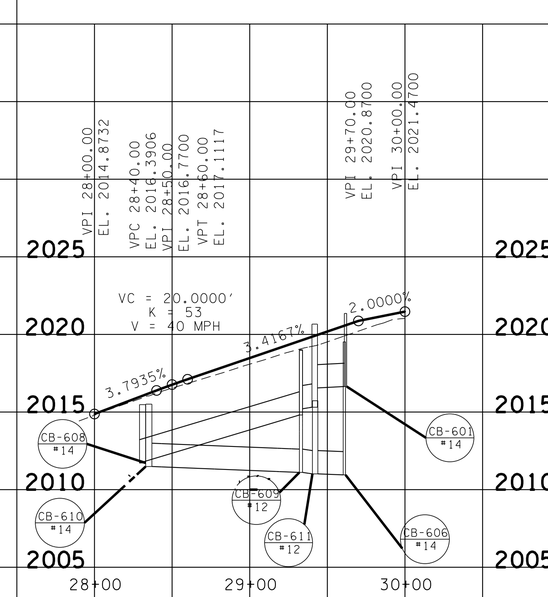
REV.09-05-14-ADDED PIPE TABLE.

REV.06-27-16-REVISED PROP DRAIN PER CONST REQ.



STA. 323+78.70 SR-101 =
STA. 30+00.00 EAGLE LANE

Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
25C,28D	X		CB-611	MH-25	0.4	23.35	PROP 18" RCP
28D	X		CB-609	CB-608	3	103	PROP 18" RCP
25C,28D	X		CB-610	CB-611	0.4	95	PROP 18" RCP
25C,28D	X		CB-605	CB-612	0.5	40.24	PROP 18" RCP
25C,28D		X	CB-601	MH-24	0.5	18.03	PROP 18" RCP
28D	X	X	CB-608	CB-610	0.4	56.92	PROP 18" RCP
25C,28D	X	X	CB-604	CB-605	0.5	36.92	PROP 18" RCP
25C,28D	X		EW-600	CB-605	10	18.93	PROP 18" RCP
25C,28D	X		CB-606	CB-616	1	59.67	PROP 18" RCP
25C,28D	X		MH-25	CB-606	0.4	16.35	PROP 18" RCP
25C,28D		X	CB-603	CB-604	0.5	39.15	PROP 18" RCP
25C,28D		X	CB-602	CB-603	0.4	116	PROP 18" RCP



STA. 323+78.70 SR-101 =
STA. 30+00.00 STONEHENGE

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PROFILE OF
SIDE ROADS
AND STREETS

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

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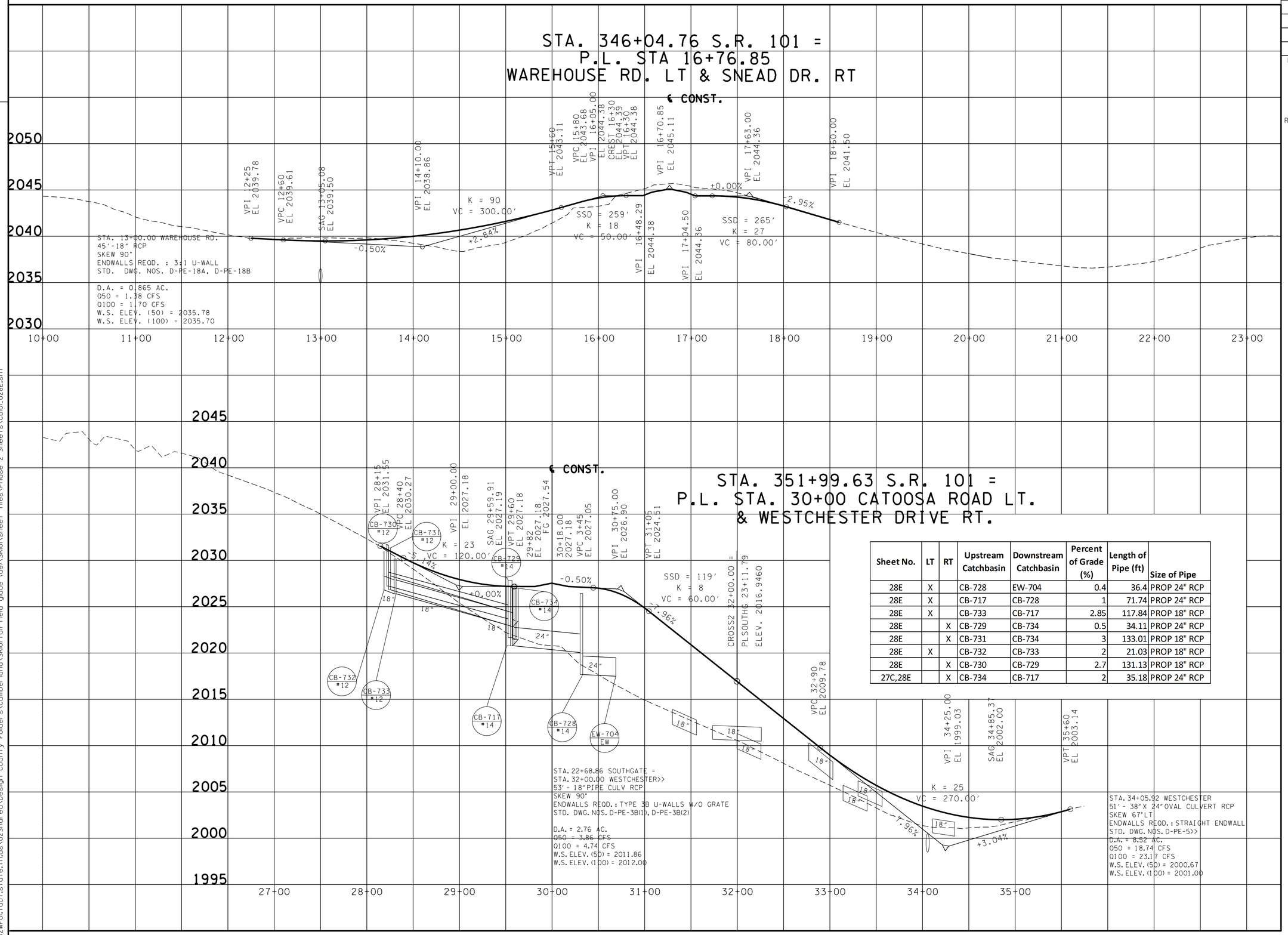
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	28E
CONST	2016	STP-101(17)	28E

REV. 04-10-13- RENAME 28D TO 28E.
DESIGN STORM DRAINAGE SYSTEM.
ADDED PROP. PIPES.

REV. 09-05-14- ADDED PIPE TABLE.
REV. 06-27-16- REVISED PROP DRAIN
PER CONST REQ.



Sheet No.	LT	RT	Upstream Catchbasin	Downstream Catchbasin	Percent of Grade (%)	Length of Pipe (ft)	Size of Pipe
28E	X		CB-728	EW-704	0.4	36.4	PROP 24" RCP
28E	X		CB-717	CB-728	1	71.74	PROP 24" RCP
28E	X		CB-733	CB-717	2.85	117.84	PROP 18" RCP
28E		X	CB-729	CB-734	0.5	34.11	PROP 24" RCP
28E		X	CB-731	CB-734	3	133.01	PROP 18" RCP
28E	X		CB-732	CB-733	2	21.03	PROP 18" RCP
28E		X	CB-730	CB-729	2.7	131.13	PROP 18" RCP
27C,28E		X	CB-734	CB-717	2	35.18	PROP 24" RCP

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PROFILE OF
SIDE ROADS
AND STREETS

SCALE: 1"= 50' HORIZ.
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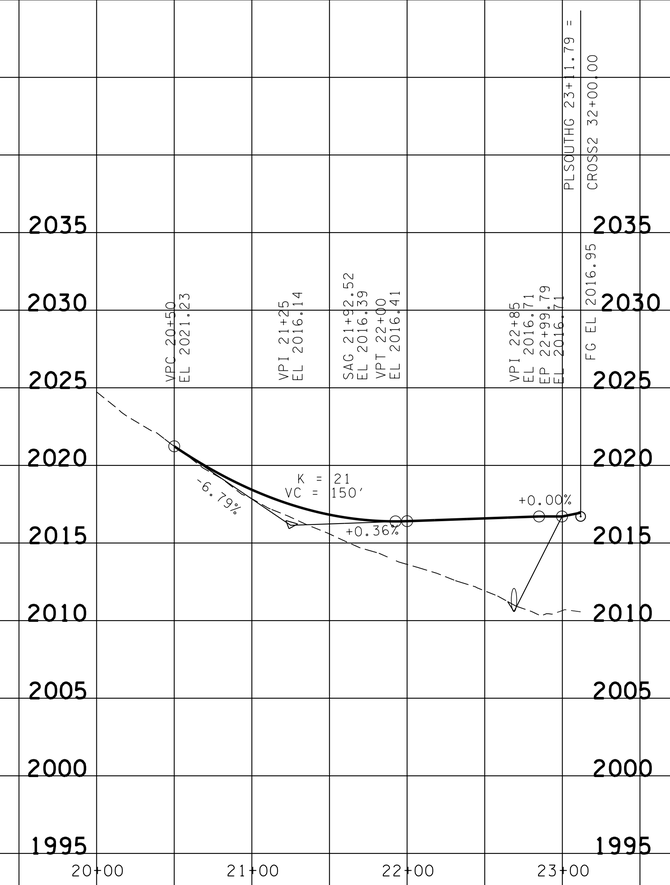
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	28F
CONST.	2016	STP-101(17)	28F

REV. 04-10-13- RENAME 28E TO 28F.
ADDED PROP. PIPE.



STA. 22+68.86 SOUTHGATE =
STA. 32+00.00 WESTCHESTER>>
53' - 18" PIPE CULV RCP
SKEW 90°
ENDWALLS REQD. : TYPE 3B U-WALLS W/O GRATE
STD. DWG. NOS. D-PE-3B(1), D-PE-3B(2)

D.A. = 2.76 AC.
Q50 = 3.86 CFS
Q100 = 4.74 CFS
W.S. ELEV. (50) = 2011.86
W.S. ELEV. (100) = 2012.00

P.L. STA. 32+00 WESTCHESTER RD. =
P.L. STA. 23+11.79 SOUTHGATE LANE RT.

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PROFILE OF
SIDE ROADS
AND STREETS

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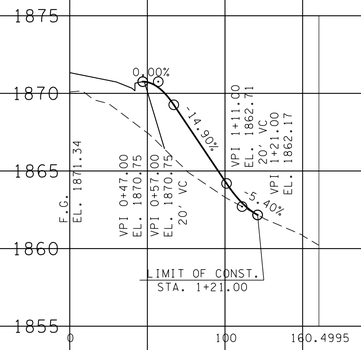
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	29G
CONST	2016	STP-101(17)	29G

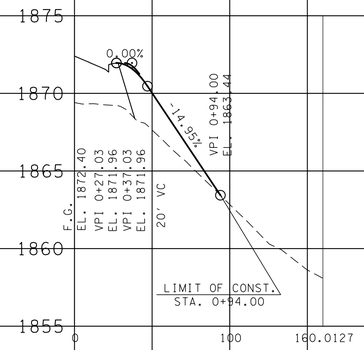
REV.04-10-13-ADDED SHEET.

REV.09-05-14-ADDED BUS ENT FOR TRACT 88B. ADDED TRACT NOS.

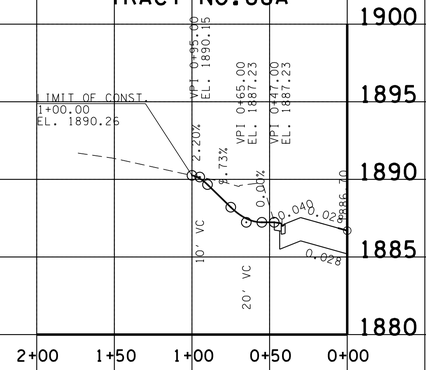
STA. 217+88.03±
TRACT 84
40' CHURCH ENT. RT.



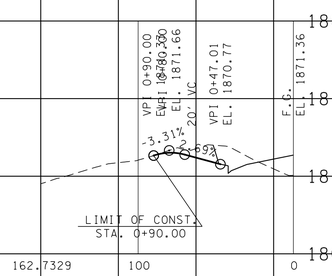
STA. 51+57.30±
(LAKEVIEW DRIVE)
TRACT 84
40' CHURCH ENT. RT.



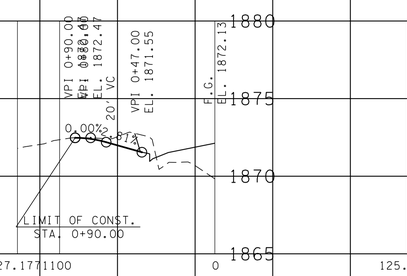
STA. 233+70.32±
30' BUS. ENT. LT.
TRACT NO.88A



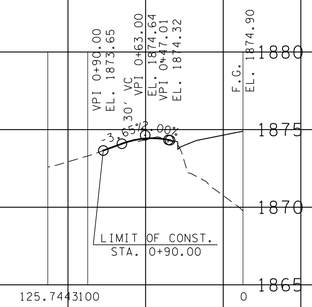
STA. 217+90.95±
20' BUS. ENT. LT.



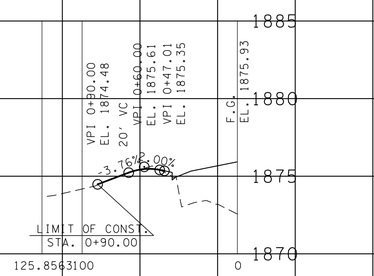
STA. 218+67.71±
20' BUS. ENT. LT.



STA. 220+77.57±
20' BUS. ENT. LT.



STA. 221+54.55±
20' BUS. ENT. LT.



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PROFILE OF
PRIVATE
DRIVES

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

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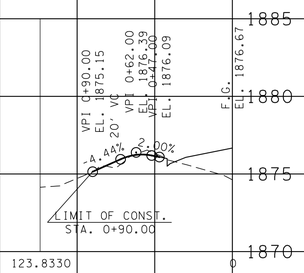
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

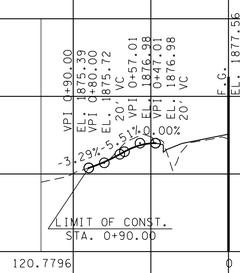
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	29H
CONST.	2016	STP-101(17)	29H

REV. 09-12-12- REMOVED DRIVEWAY AT STA. 224+08.99± LT AND ADDED DRIVEWAY AT STA. 223+70± LT REMOVED DRIVEWAY STA. 26+45.85± WOODLAND CIRCLE AND REPLACED WITH DRIVEWAY AT STA. 38+77.68± REVISED DRIVEWAY AT STA. 27+30± WOODLANDS CIRCLE. ADDED PROP. S.D. TO DRIVEWAY AT STA.238+39.57± REVISED DRIVEWAYS AT STA.26+93.01± AND STA.28+11.98± ON WOODGATE DRIVE.
REV. 04-10-13- REVISED DRIVEWAY AT STA.28+11.98± ON WOODGATE DRIVE.
REV. 09-05-14- ADDED S.D. TO STA.231+04.88.REMOVED DRIVEWAY AT STA.37+08.04.ADDED TRACT NOS.
REV. 02-05-15- ADDED S.D. TO STA.38+00.00 WOODLANDS CIRCLE.
REV. 03-23-15- REMOVED DRIVEWAY AT STA.38+00.00 WOODLANDS CIRCLE PER ROW REQ.

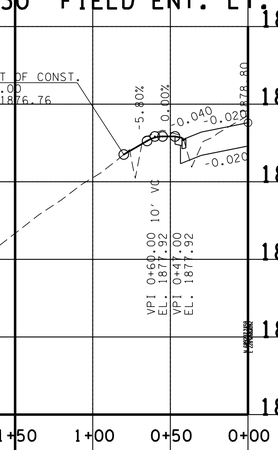
STA. 222+10.31±
30' BUS. ENT. LT.



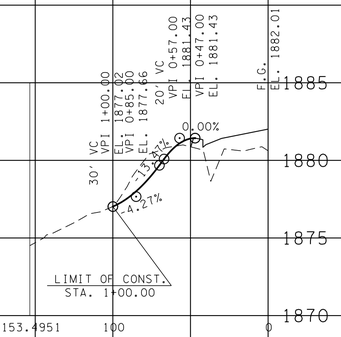
STA. 222+77.29±
30' BUS. ENT. LT.



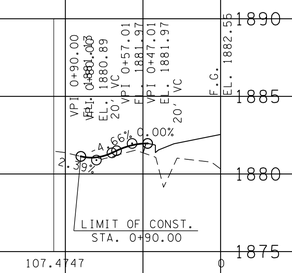
STA. 223+70.00±
30' FIELD ENT. LT.



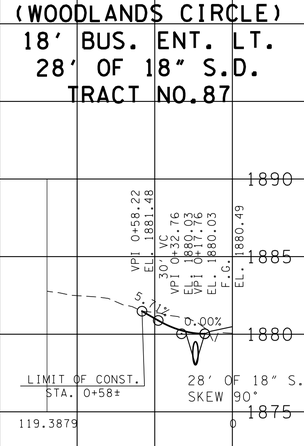
STA. 226+10.51±
20' BUS. ENT. LT.



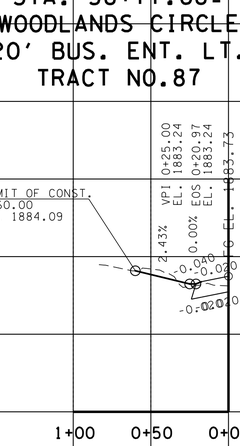
STA. 226+65.51±
40' BUS. ENT. LT.
TRACT NO.86



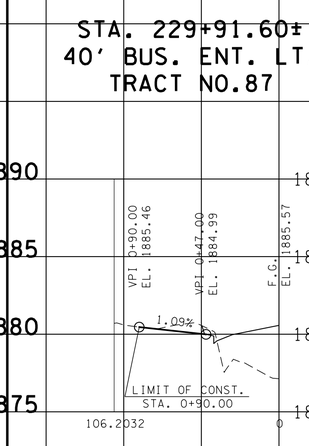
STA. 37+89.30±
(WOODLANDS CIRCLE)
18' BUS. ENT. LT.
28' OF 18" S.D.
TRACT NO.87



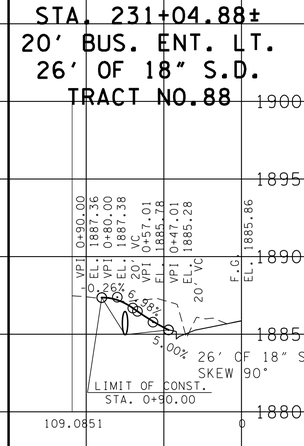
STA. 38+77.68±
(WOODLANDS CIRCLE)
20' BUS. ENT. LT.
TRACT NO.87



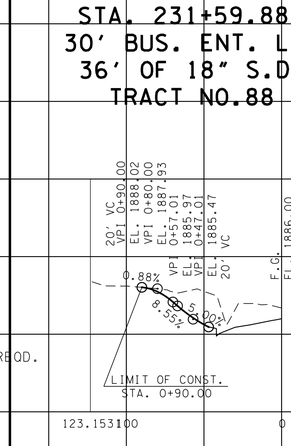
STA. 229+91.60±
40' BUS. ENT. LT.
TRACT NO.87



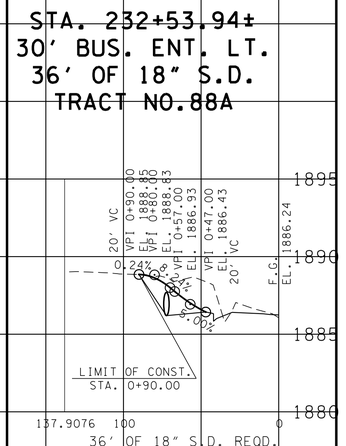
STA. 231+04.88±
20' BUS. ENT. LT.
26' OF 18" S.D.
TRACT NO.88



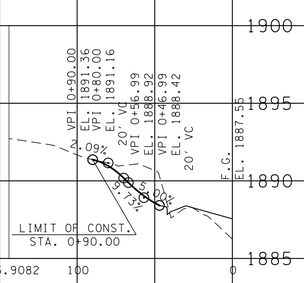
STA. 231+59.88±
30' BUS. ENT. LT.
36' OF 18" S.D.
TRACT NO.88



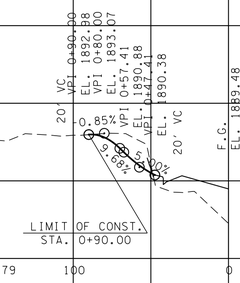
STA. 232+53.94±
30' BUS. ENT. LT.
36' OF 18" S.D.
TRACT NO.88A



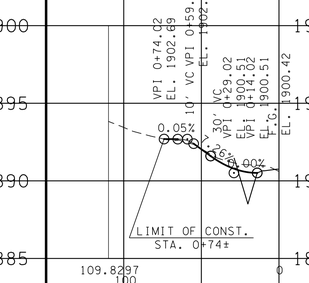
STA. 234+45.03±
30' BUS. ENT. LT.
TRACT NO.88B



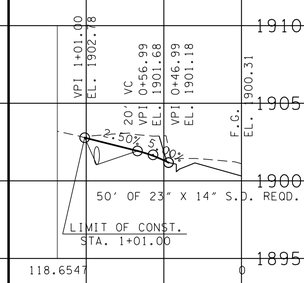
STA. 235+44.92±
30' BUS. ENT. LT.
TRACT NO.88B



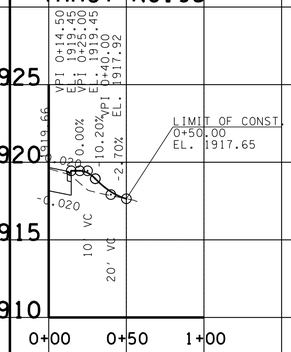
STA. 27+30±
(WOODLANDS CIRCLE)
40' BUS. ENT. LT.
TRACT NO.93



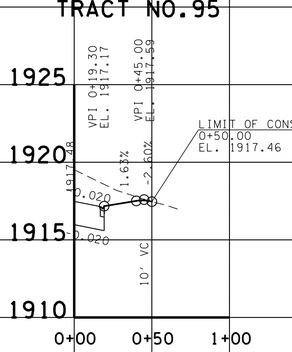
STA. 238+39.57±
40' BUS. ENT. LT.
50' OF 23"X14" S.D.



STA. 26+93.01±
(WOODGATE DR)
30' BUS. ENT. RT.
TRACT NO.95



STA. 28+11.98±
(WOODGATE DR)
40' BUS. ENT. RT.
TRACT NO.95



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R.O.W. PHASE 2

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.	2011	STP-101(17)	29J
CONST	2016	STP-101(17)	29J

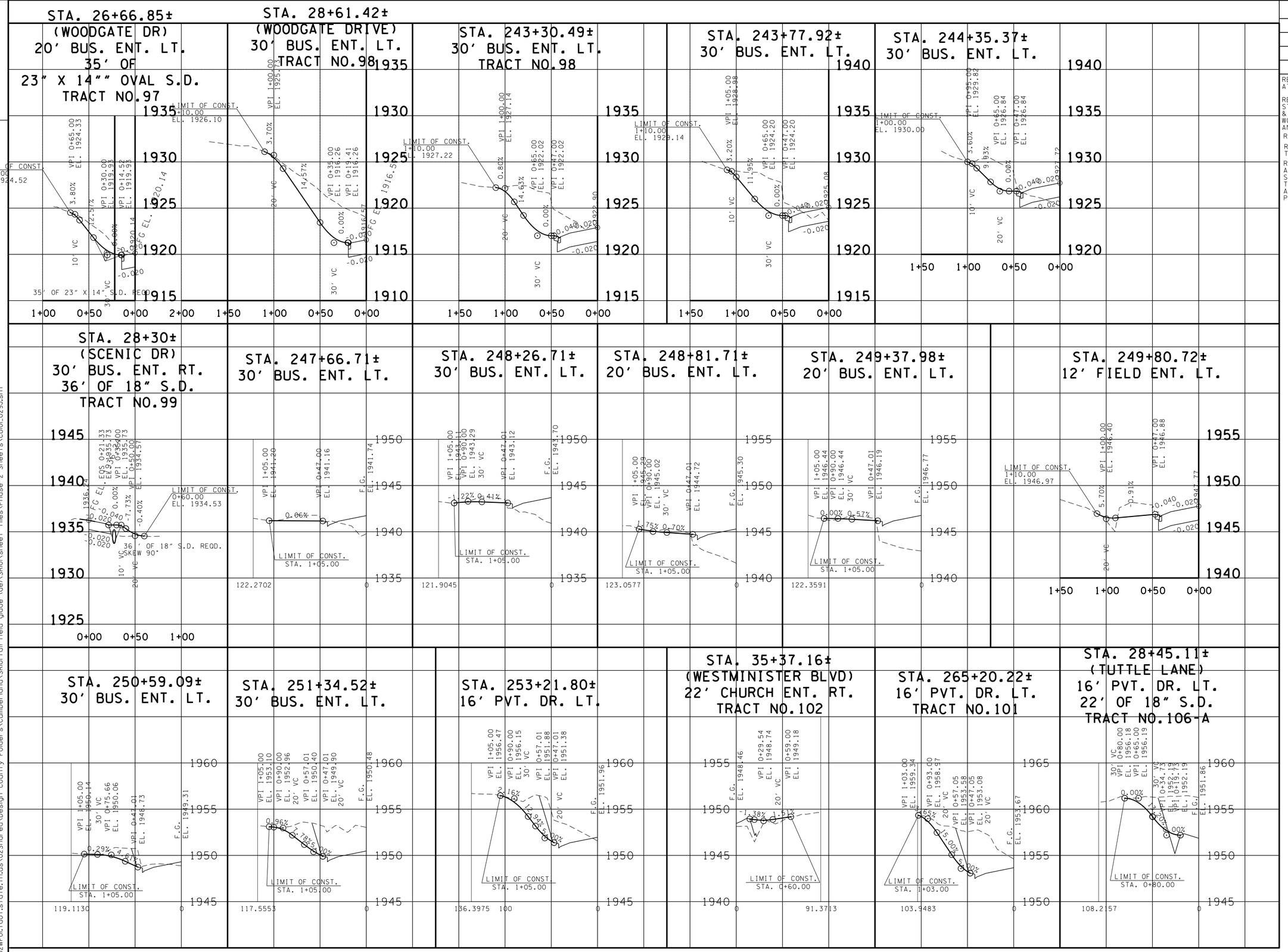
REV. 6-15-12: UPDATED PROFILE FOR DRIVE AT STA. 35+37.16.

REV.09-12-12: REVISED DRIVEWAYS AT STA. 243+30.49±, 243+77.92±, & 244+35.37±. REVISED DRIVEWAYS ON WOODGATE DRIVE AT STA. 26+66.85± AND STA. 28+61.42±

REV.04-10-13: RENUMBERED SHEET.

REV.09-05-14: ADDED SIDE DRAIN TO STA.28+16.87.ADDED TRACT NOS.

REV.04-14-15: REMOVED DRIVEWAY AT STA 244+92 SR-101 AND AT STA 28+16± SCENIC DR FOR TRACT 99 PER ROW REQ. ADDED DRIVEWAY AT STA 28+30± PER ROW REQ.



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R.O.W. PHASE 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF PRIVATE DRIVES

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

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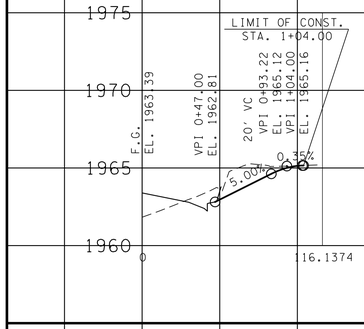
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

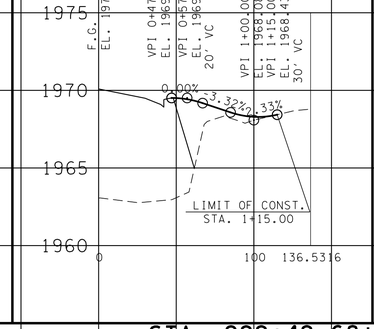
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	29K
CONST	2016	STP-101(17)	29K

REV. 09-12-12-REMOVED DRIVEWAYS AT STA. 298+70.89± AND STA.304+00±. ADDED DRIVEWAYS AT STA. 298+23.20± AND STA.299+49.68±
REV. 04-10-13-RENUMBERED SHEET.
REV. 09-05-14-ADDED TRACT NOS.

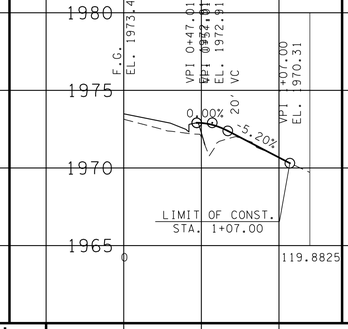
STA. 281+15.86± 30' BUS. ENT. RT. TRACT NO.107



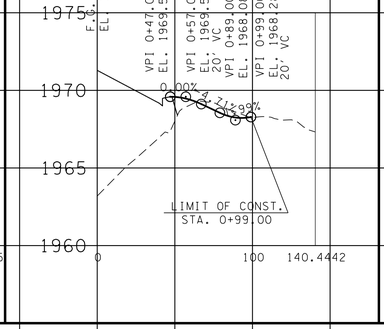
STA. 285+01.40± 30' BUS. ENT. RT. TRACT NO.107



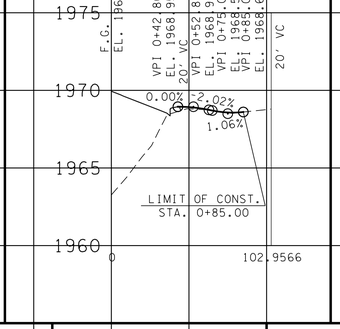
STA. 288+28.42± 30' BUS. ENT. RT. TRACT NO.107



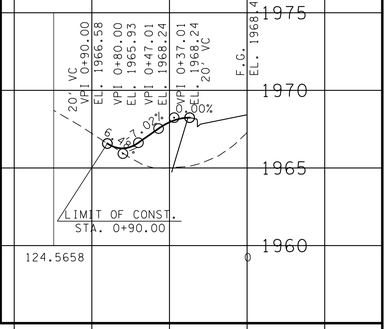
STA. 292+56.02± 30' BUS. ENT. RT. TRACT NO.107



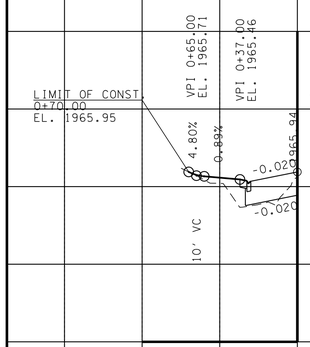
STA. 294+73.42± 30' BUS. ENT. RT. TRACT NO.107



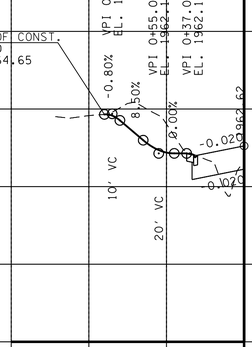
STA. 296+80.35± 12' FIELD ENT. LT. TRACT NO.108



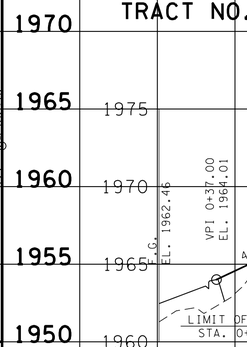
STA. 298+23.20± 40' BUS. ENT. LT. TRACT NO.109



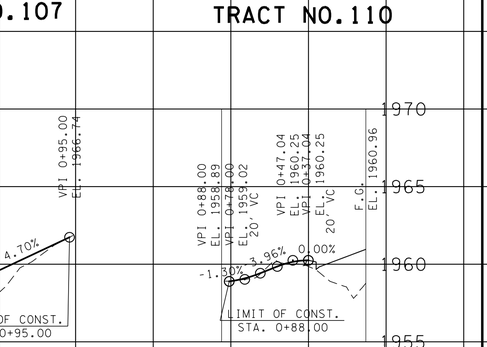
STA. 299+49.68± 40' BUS. ENT. LT. TRACT NO.109



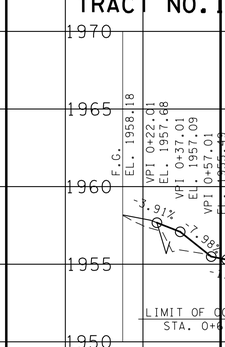
STA. 299+56.14± 30' BUS. ENT. RT. TRACT NO.107



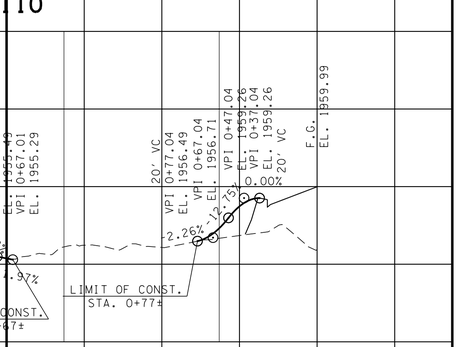
STA. 300+30.87± 20' BUS. ENT. LT. TRACT NO.110



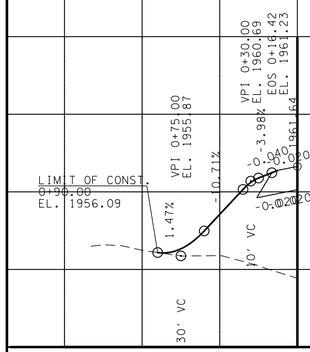
STA. 38+43.23± (DARTMORE DR.) 24' BUS. ENT. RT. TRACT NO.110



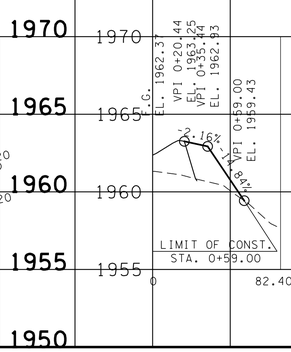
STA. 301+16.87± 20' BUS. ENT. LT. TRACT NO.110



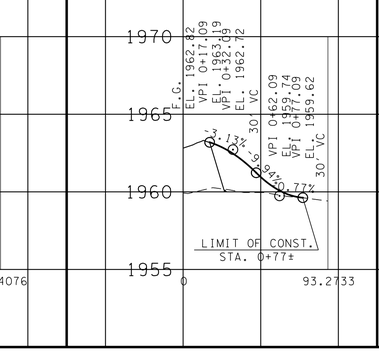
STA. 37+29.47± (DARTMORE RD) 20' BUS. ENT. RT. TRACT NO.114



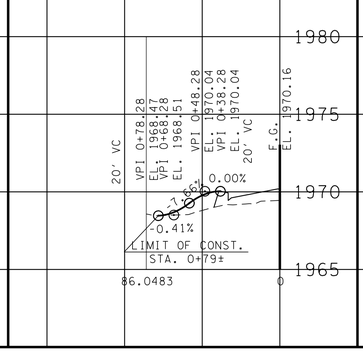
STA. 41+16.23± (SNEAD DR) 30' BUS. ENT. RT TRACT NO.111



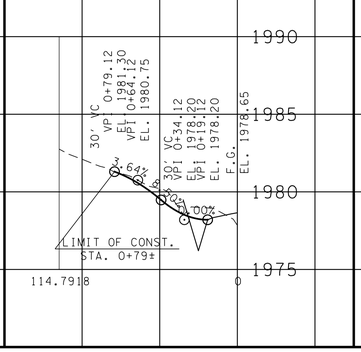
STA. 42+17.80± (SNEAD DR) 20' BUS. ENT. RT. TRACT NO.111



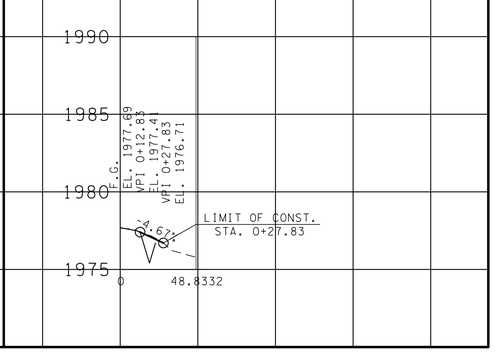
STA. 306+35.87± 30' BUS. ENT. LT. TRACT NO.114



STA. 31+07.53± (GILFORD TERRACE) 10' PVT. DR. LT. TRACT NO.118



STA. 31+67± (GILFORD TERRACE) 20' PVT. DR. RT. TRACT NO.116



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R.O.W. PHASE 2

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.

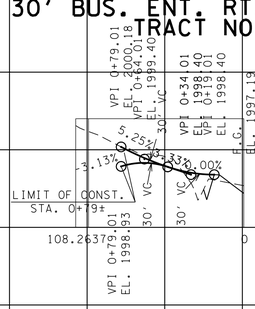
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	29L
CONST.	2016	STP-101(17)	29L

REV. 09-12-12- ADDED SIDE DRAINS TO PROP. DRIVEWAYS. ADDED DRIVEWAY AT STA. 26+50.38± ON WOODGATE DRIVE.

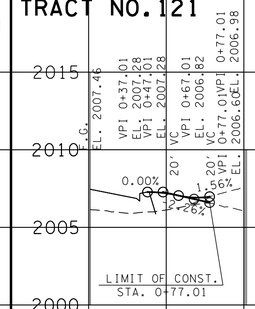
REV. 04-10-13- RENUMBERED SHEET.

REV. 09-05-14- ADDED TRACT NOS.
REV. 03-23-15- ADDED DRIVEWAY FOR TRACT 134.
REV. 01-05-16- REMOVED DRIVEWAY AT STA.31+43.39LT WESTCHESTER DR.

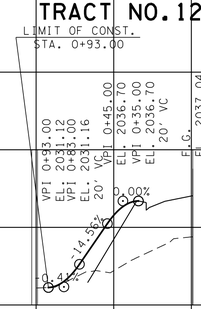
STA. 31+31.42± (HOWARD TERRACE) 30' BUS. ENT. RT. TRACT NO.121



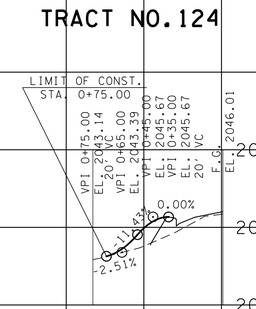
STA. 315+59.15± 30' BUS. ENT. RT. TRACT NO.121



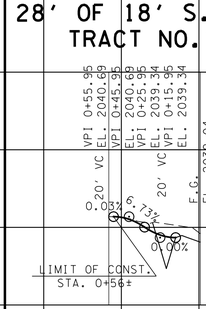
STA. 341+32.72± 30' BUS. ENT. LT. TRACT NO.124



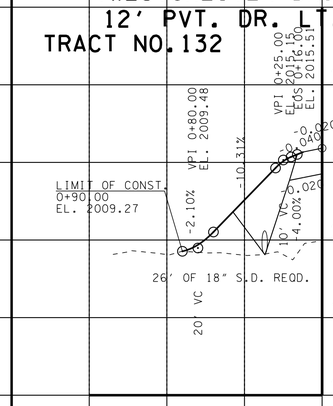
STA. 344+45.81± 40' BUS. ENT. LT. TRACT NO.124



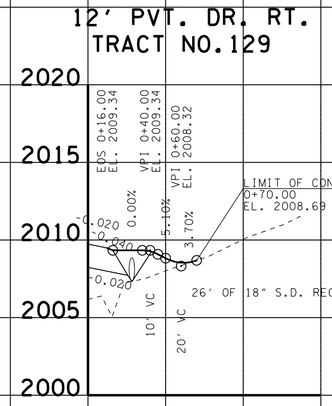
STA. 13+73.91± (WAREHOUSE RD.) 20' BUS. ENT. LT. 28' OF 18' S.D. REQ. TRACT NO.127



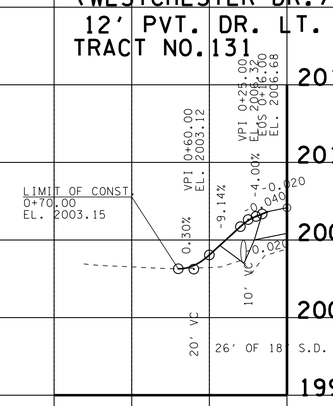
STA. 32+12.96± (WESTCHESTER DR.) 12' PVT. DR. LT. TRACT NO.132



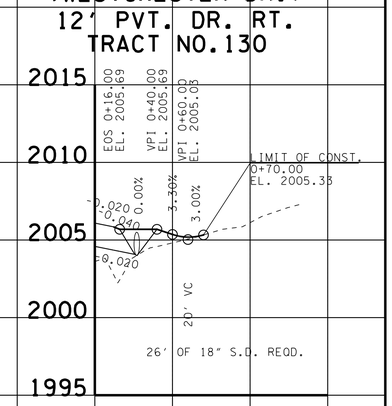
STA. 32+90.58± (WESTCHESTER DR.) 12' PVT. DR. RT. TRACT NO.129



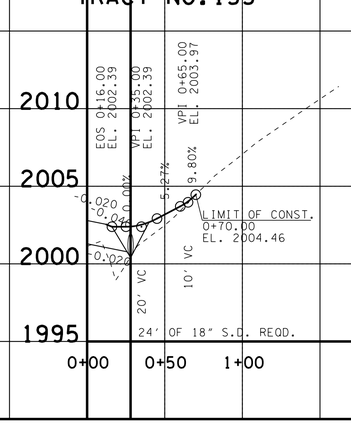
STA. 33+27.57± (WESTCHESTER DR.) 12' PVT. DR. LT. TRACT NO.131



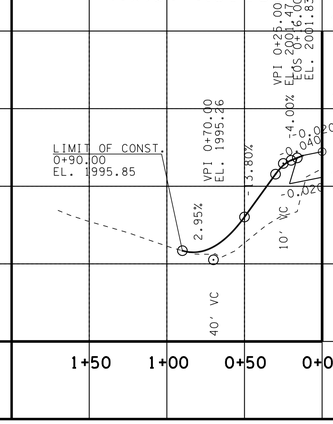
STA. 33+43.77± (WESTCHESTER DR.) 12' PVT. DR. RT. TRACT NO.130



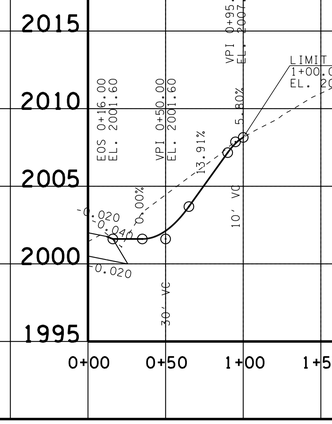
STA. 34+23.17± (WESTCHESTER DR.) 12' PVT. DR. RT. TRACT NO.153



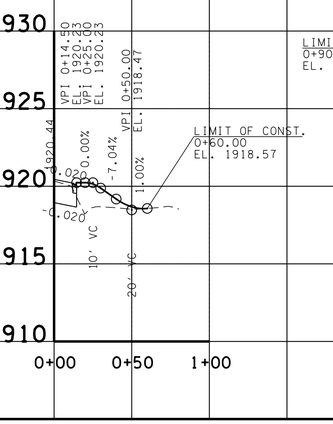
STA. 34+52.10± (WESTCHESTER DR.) 12' PVT. DR. LT. TRACT NO.156



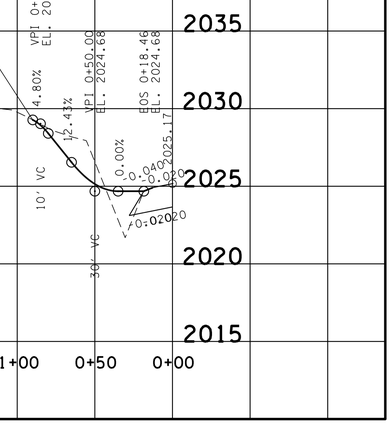
STA. 34+85.48± (WESTCHESTER DR.) 12' PVT. DR. RT. TRACT NO.154



STA. 26+50.38± (WOODGATE DRIVE) 20' BUS. ENT. RT. TRACT NO.95



STA. 354+36.28± 40' PVT. DR. LT. TRACT NO.134



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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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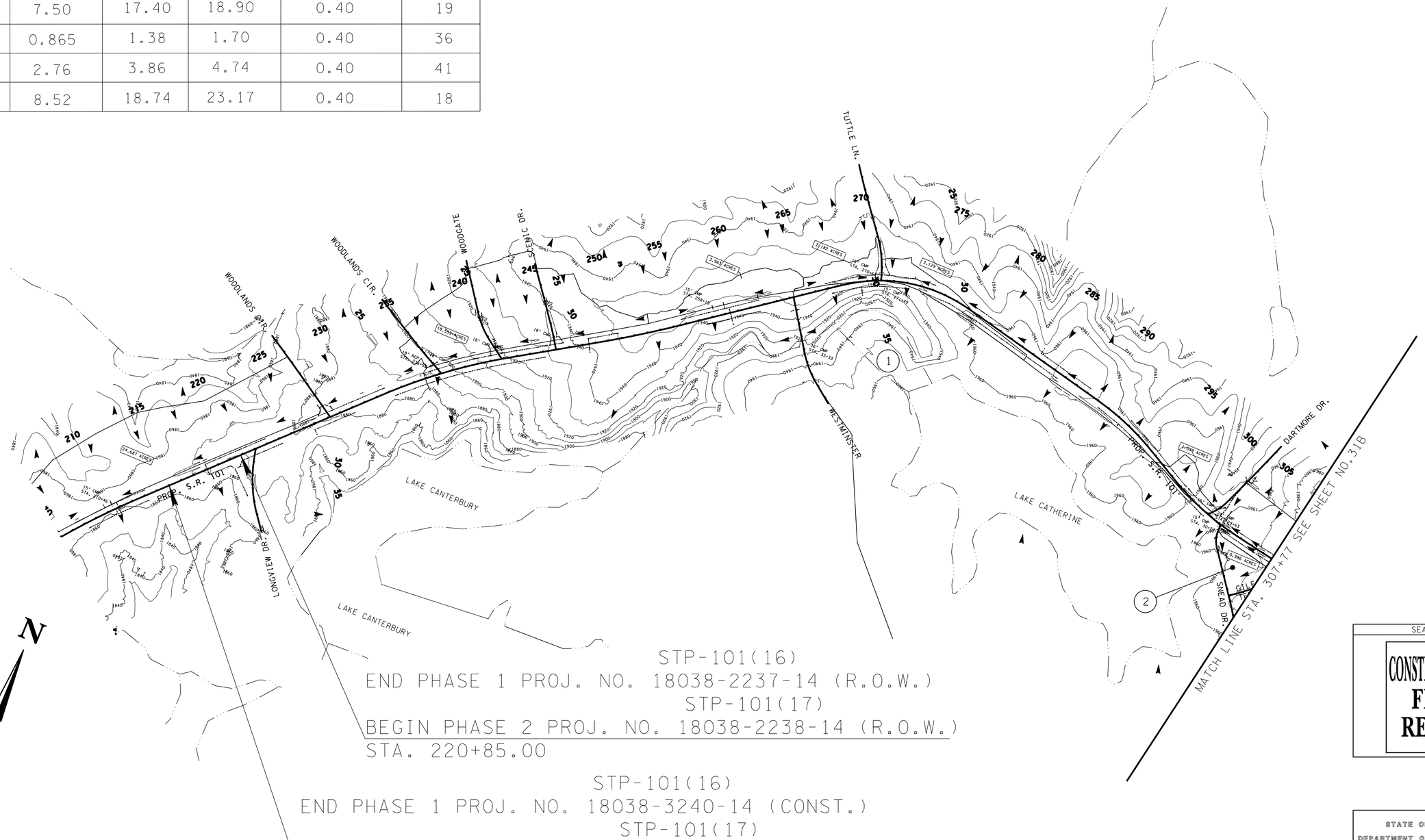
REV 09-05-14-UPDATED SHEET.
REV 06-27-16-REVISED BEGIN.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2011	STP-101(17)	30A
CONST	2016	STP-101(17)	30A

DRAINAGE TABLE					
DRAINAGE AREA	AREA (ac.)	Q_{50} (cfs)	Q_{100} (cfs)	C COEFFICIENT OF RUNOFF	T_c (min)
1	239.20	574.08	583.65	0.40	19
2	7.50	17.40	18.90	0.40	19
3	0.865	1.38	1.70	0.40	36
4	2.76	3.86	4.74	0.40	41
5	8.52	18.74	23.17	0.40	18



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

STP-101(16)
END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STP-101(17)
BEGIN PHASE 2 PROJ. NO. 18038-3242-14 (CONST.)
STA. 215+00.00

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STATE OF TENNESSEE
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DRAINAGE MAP

STA.179+08 TO STA.307+77
SCALE: 1"=400'

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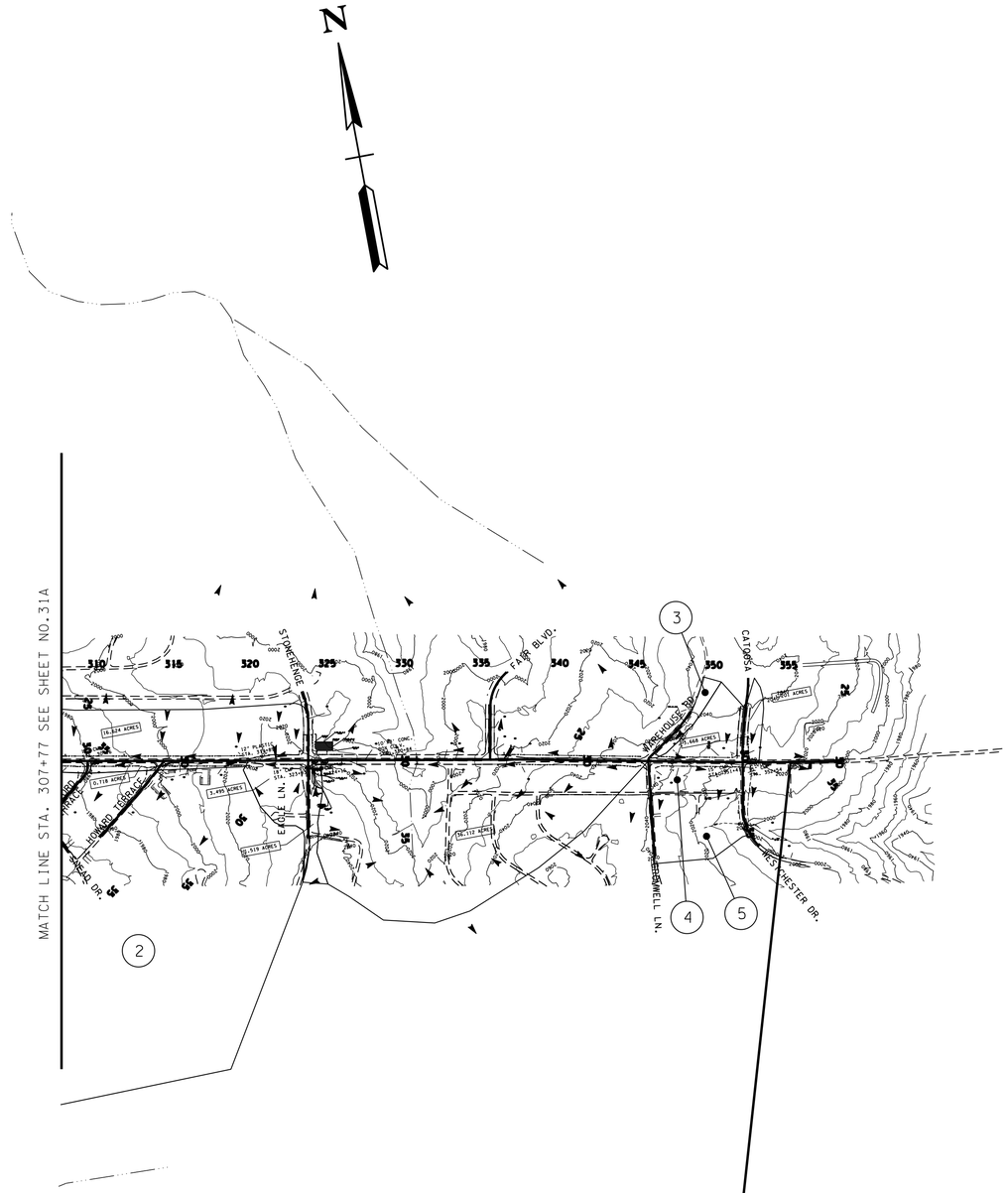
REV 09-05-14-UPDATED SHEET.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	30B
CONST	2016	STP-101(17)	30B

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



STP-101(17)
END PROJ. NO. 18038-2238-14 (R.O.W.)
18038-3240-14 (CONST.)
STA. 355+10.00

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DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 307+77 TO STA. 356+41

SCALE: 1"=500'

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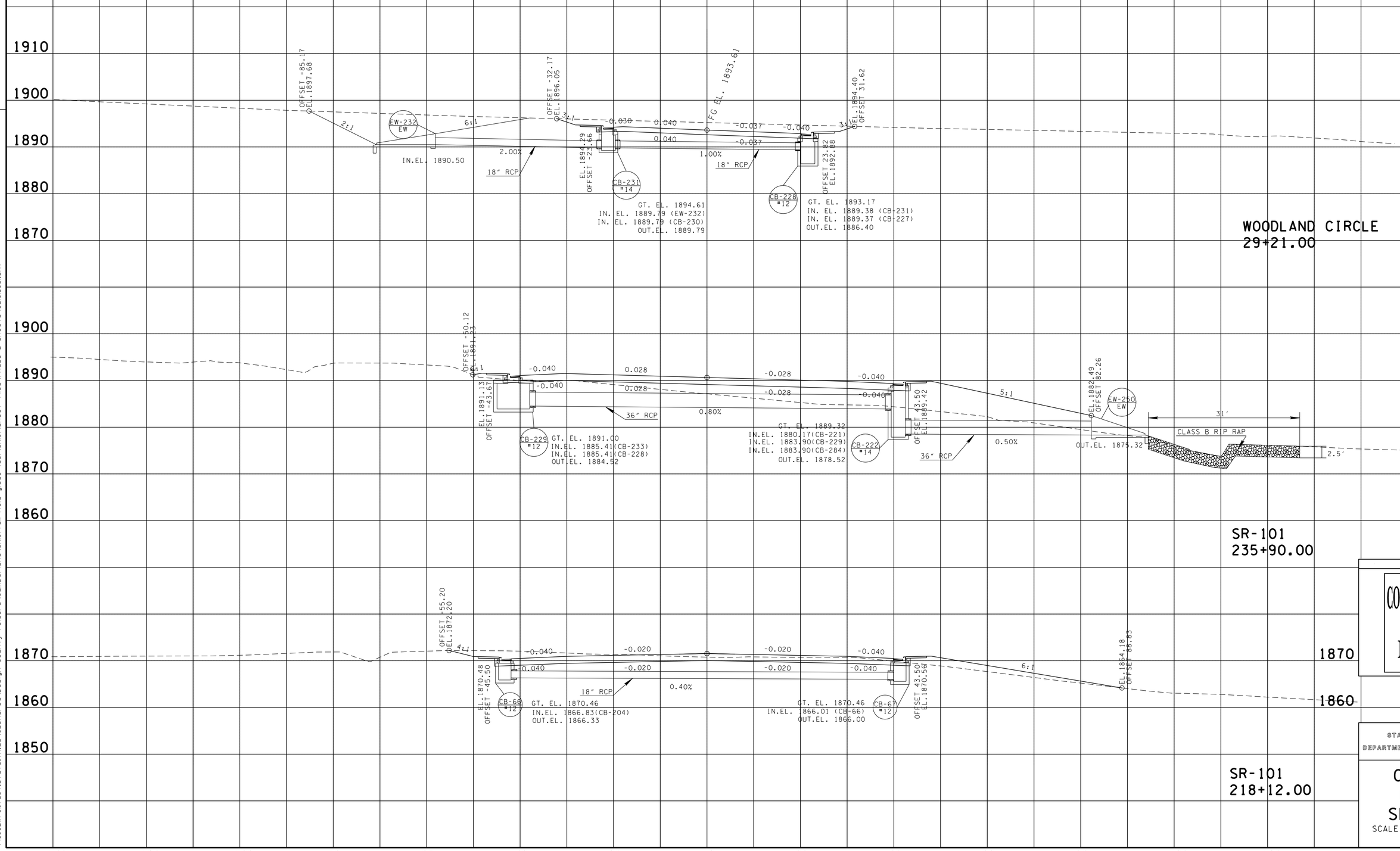
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2013	STP-101(17)	31
CONST	2016	STP-101(17)	31

REV. 04-10-13- ADDED SHEET.

REV. xx-XX-16- REVISED PROP DRAIN.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT
CROSS-
SECTIONS

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

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REV. 04-10-13- REMOVED DARTMORE CULV CROSS SECTION. ADDED SR101 AND WESTMINISTER CULV CROSS SECTIONS.

REV. XX-XX-16- REVISED PROP DRAIN.

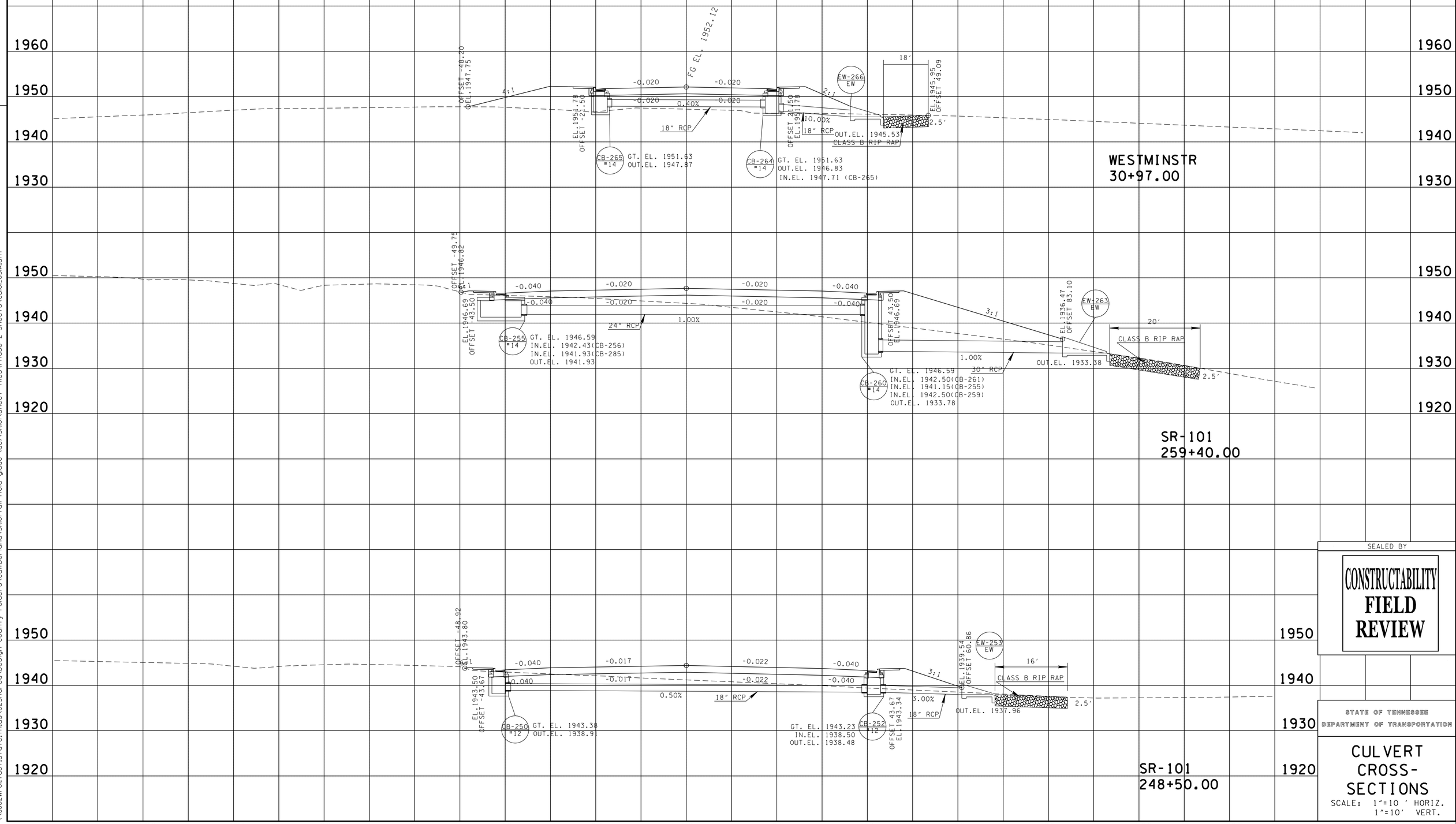
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2011	STP-101(17)	31A
CONST	2016	STP-101(17)	31A

REV. 09-12-12- REVISED DARTMORE ~~CULVERT CROSS SECTION~~

REV. 09-13-12- REVISED WESTMINISTER CULVERT CROSS SECTION. REMOVED CULVERT CROSS SECTION AT SR101 352+94.84±

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2011	STP-101(17)	31B
CONST	2016	STP-101(17)	31B

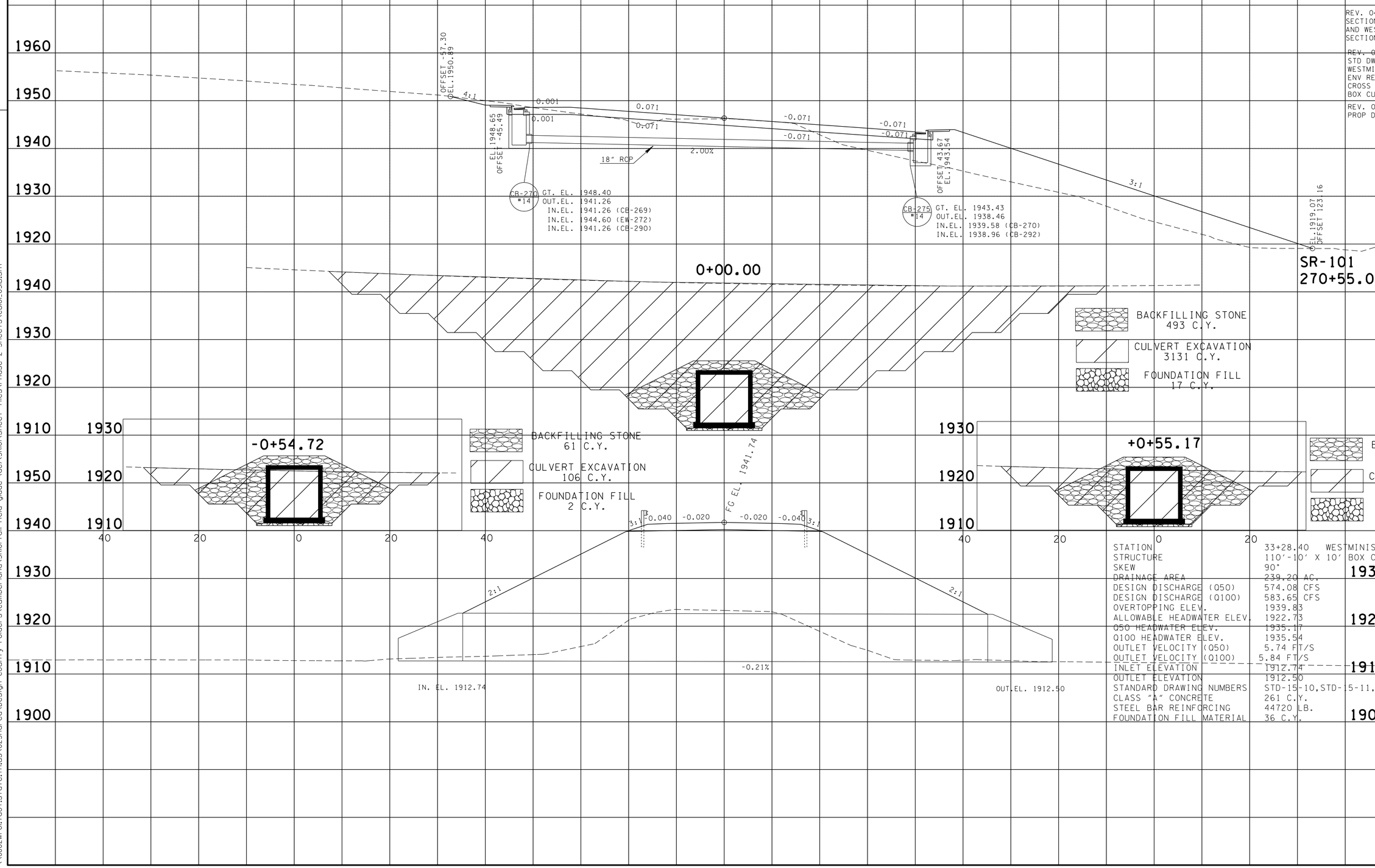
REV. 09-12-12- REVISED DARTMORE CULVERT CROSS SECTION

REV. 09-13-12- REVISED WESTMINISTER CULVERT CROSS SECTION. REMOVED CULVERT CROSS SECTION AT SR101 352+94.84±

REV. 04-10-13- REMOVED CROSS SECTIONS AND ADDED SR101 AND WESTMINISTER CROSS SECTIONS.

REV. 09-05-14- REVISED STD DWGS ON STA.33+28.40 WESTMINISTER BOX CULV. PER ENV REQ. ADDED BACKFILL CROSS SECTIONS FOR WESTMINISTER BOX CULV.

REV. OX-XX-16- REVISED PROP DRAIN.



STATION	33+28.40 WESTMINISTER
STRUCTURE	110'-10' X 10' BOX CULV
SKEW	90°
DRAINAGE AREA	239.20 AC.
DESIGN DISCHARGE (Q50)	574.08 CFS
DESIGN DISCHARGE (Q100)	583.65 CFS
OVERTOPPING ELEV.	1939.83
ALLOWABLE HEADWATER ELEV.	1922.73
Q50 HEADWATER ELEV.	1935.17
Q100 HEADWATER ELEV.	1935.54
OUTLET VELOCITY (Q50)	5.74 FT/S
OUTLET VELOCITY (Q100)	5.84 FT/S
INLET ELEVATION	1912.74
OUTLET ELEVATION	1912.50
STANDARD DRAWING NUMBERS	STD-15-10,STD-15-11,STD-15-16A,STD-15-39
CLASS "A" CONCRETE	261 C.Y.
STEEL BAR REINFORCING	44720 LB.
FOUNDATION FILL MATERIAL	36 C.Y.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

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

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2011	STP-101(17)	31C
CONST	2016	STP-101(17)	31C

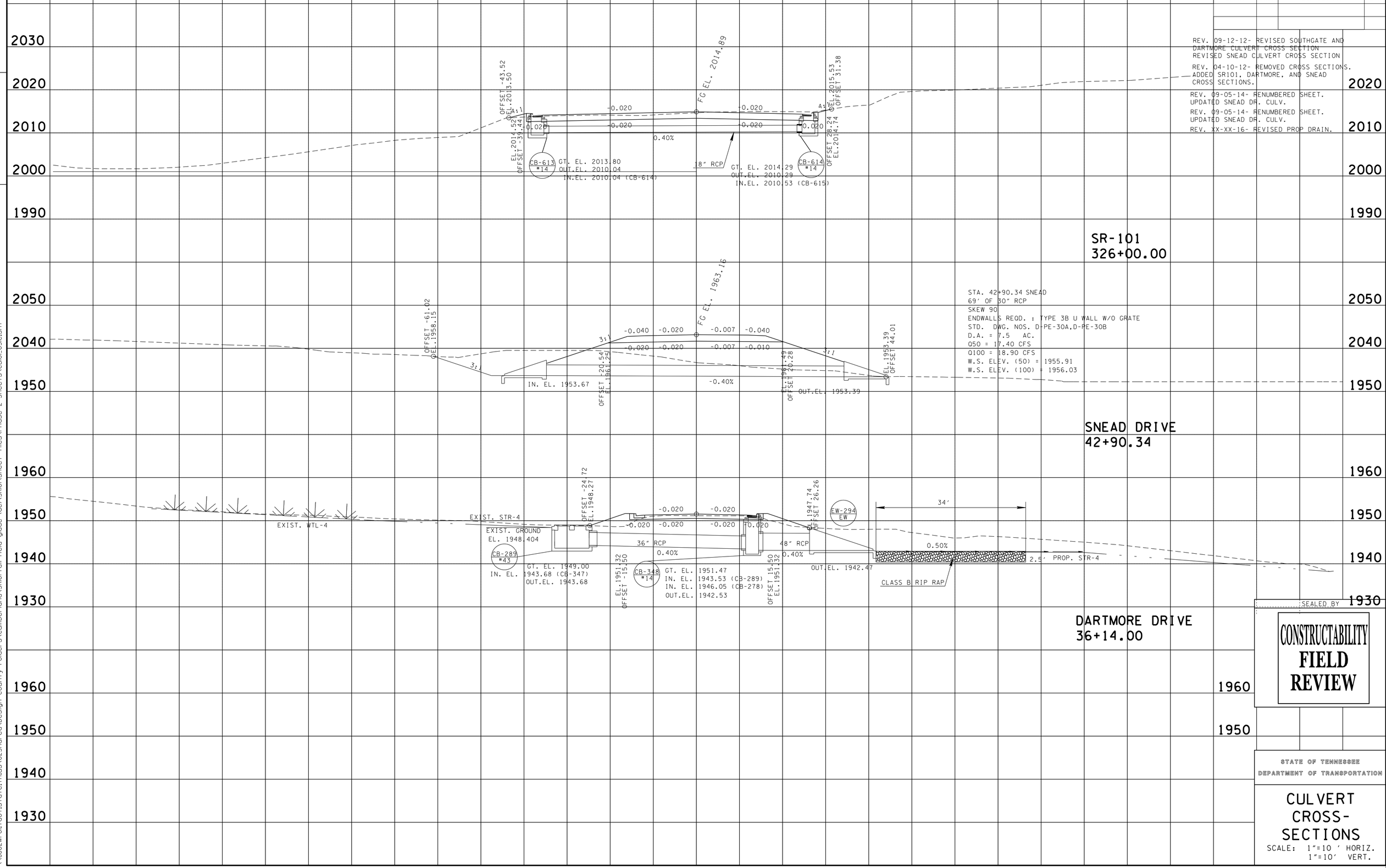
REV. 09-12-12- REVISED SOUTHGATE AND DARTMORE CULVERT CROSS SECTION
REVISED SNEAD CULVERT CROSS SECTION

REV. 04-10-12- REMOVED CROSS SECTIONS. ADDED SR101, DARTMORE, AND SNEAD CROSS SECTIONS.

REV. 09-05-14- RENUMBERED SHEET. UPDATED SNEAD DR. CULV.

REV. 09-05-14- RENUMBERED SHEET. UPDATED SNEAD DR. CULV.

REV. XX-XX-16- REVISED PROP DRAIN.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

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

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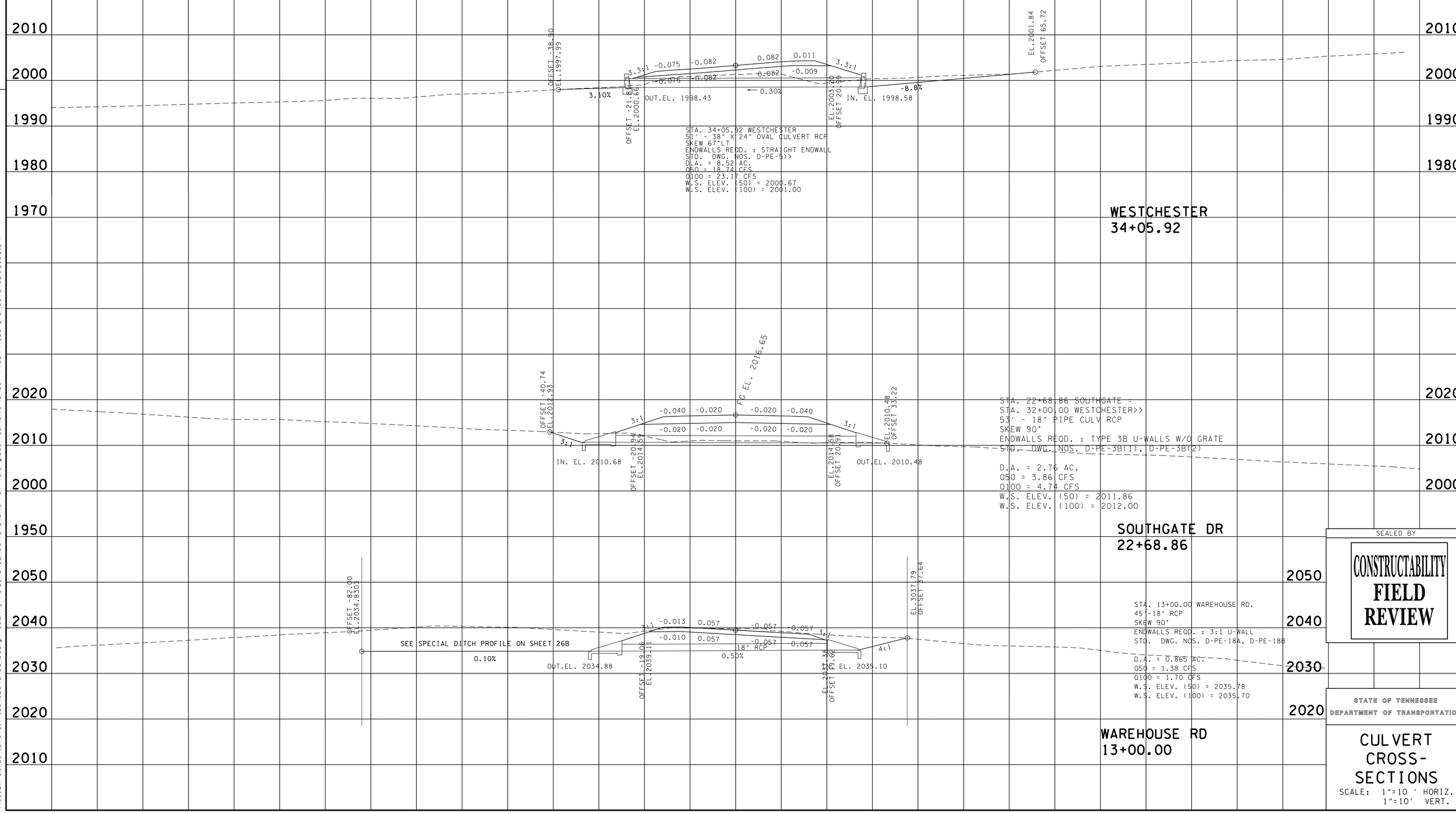
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2013	STP-101(17)	31D
CONST	2016	STP-101(17)	31D

REV. 09-05-14- ADDED SHEET.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT
CROSS-
SECTIONS

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	32
CONST	2016	STP-101(17)	32

REV. 09-13-12- REVISED EROSION CONTROL NOTES
REV. 09-05-14- UPDATED NOTES.

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.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

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

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	32(1A
CONST	2016	STP-101(17)	32(1A

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.

EPSC QUANTITIES

STAGE	PAY ITEMS																								
	203-01 (C.Y.)	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)	209-09.04 (EACH)	209-09.43 (EACH)	209-20.03 (S.Y.)	209-40.33 (EACH)	209-40.41 (EACH)	209-40.42 (EACH)	209-40.44 (EACH)	209-40.45 (EACH)	209-40.46 (EACH)	209-40.47 (EACH)	209-40.48 (EACH)	303-10.01 (TONS)	621-03.05 (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.)
1	1139		17865	78	4	37		2			6								245		474	200	1226	3407	7438
2	741		18034	186	5	36	2934	2		204	2	10	10	13	8	103	48	6	170	130	474		817	2096	7438
3	21		107						177										4				23	54	92
ALL		957																							
TOTALS	**1900**	**957**	**36005**	**264**	**9**	**73**	**2934**	**4**	**177**	**204**	**8**	**10**	**10**	**13**	**8**	**103**	**48**	**6**	**419**	**130**	**948**	**200**	**2066**	**5556**	**14968**

EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	1900
209-05	SEDIMENT REMOVAL	C.Y.	957
209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	36005
209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	264
209-08.07	ROCK CHECK DAM	EACH	9
209-08.08	ENHANCED ROCK CHECK DAM	EACH	73
209-09.01	SANDBAGS	BAG	2934
209-09.04	SEDIMENT FILTER BAG (15' X 10')	EACH	4
209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	177
209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.	204
209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	8
209-40.41	CATCH BASIN FILTER ASSEMBLY(TYPE 1)	EACH	10
209-40.42	CATCH BASIN FILTER ASSEMBLY(TYPE 2)	EACH	10
209-40.44	CATCH BASIN FILTER ASSEMBLY(TYPE 4)	EACH	13
209-40.45	CATCH BASIN FILTER ASSEMBLY(TYPE 5)	EACH	8
209-40.46	CATCH BASIN FILTER ASSEMBLY(TYPE 6)	EACH	103
209-40.47	CATCH BASIN FILTER ASSEMBLY(TYPE 7)	EACH	48
209-40.48	CATCH BASIN FILTER ASSEMBLY(TYPE 8)	EACH	6
303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	419
621-03.05	36" TEMPORARY DRAINAGE PIPE	L.F.	130
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	948
709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	200
709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	2066
740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	5556
740-11.03	TEMPORARY SEDIMENT TUBE 18IN (DESCRIPTION)	L.F.	14968

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
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
D	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
	SUSPENDED PIPE DIVERSION	EC-STR-33 EC-STR-33A
** 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.
1	CATCH BASIN FILTER ASSEMBLY (TYPE 1)	EC-STR-41
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
4	CATCH BASIN FILTER ASSEMBLY (TYPE 4)	EC-STR-44
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
8	CATCH BASIN FILTER ASSEMBLY (TYPE 8)	EC-STR-48
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

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DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

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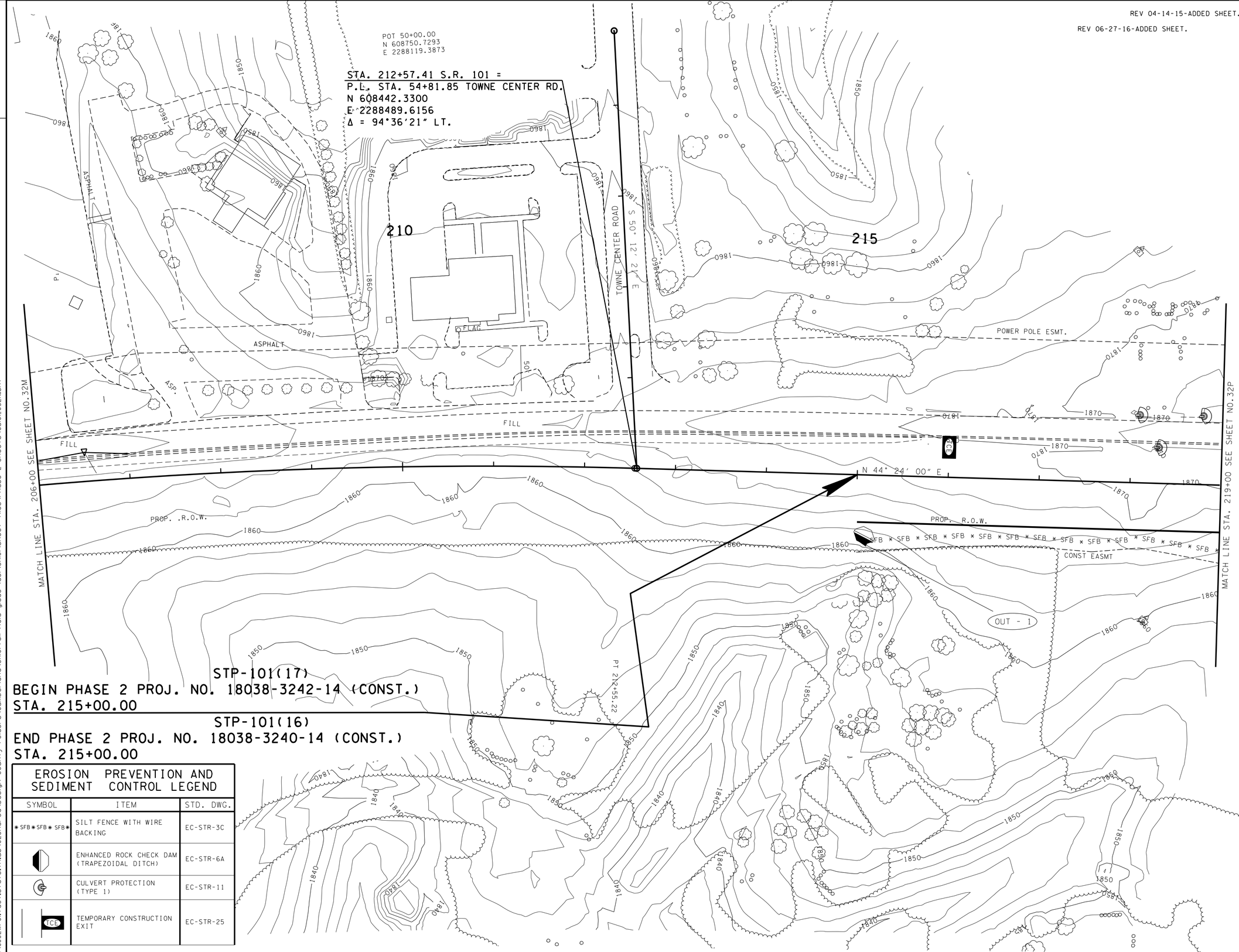
FILE NO.

REV 04-14-15-ADDED SHEET.

REV 06-27-16-ADDED SHEET.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	32N
CONST.	2016	STP-101(17)	32N



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 (TRAPEZOIDAL DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-1	0.62	2.00

TOTAL DISTURBED AREA
56.32 AC.

STAGE 1
1. PLACE EPSC MEASURES.
2. CLEAR AND GRUBBING.

STAGE ONE
EXISTING 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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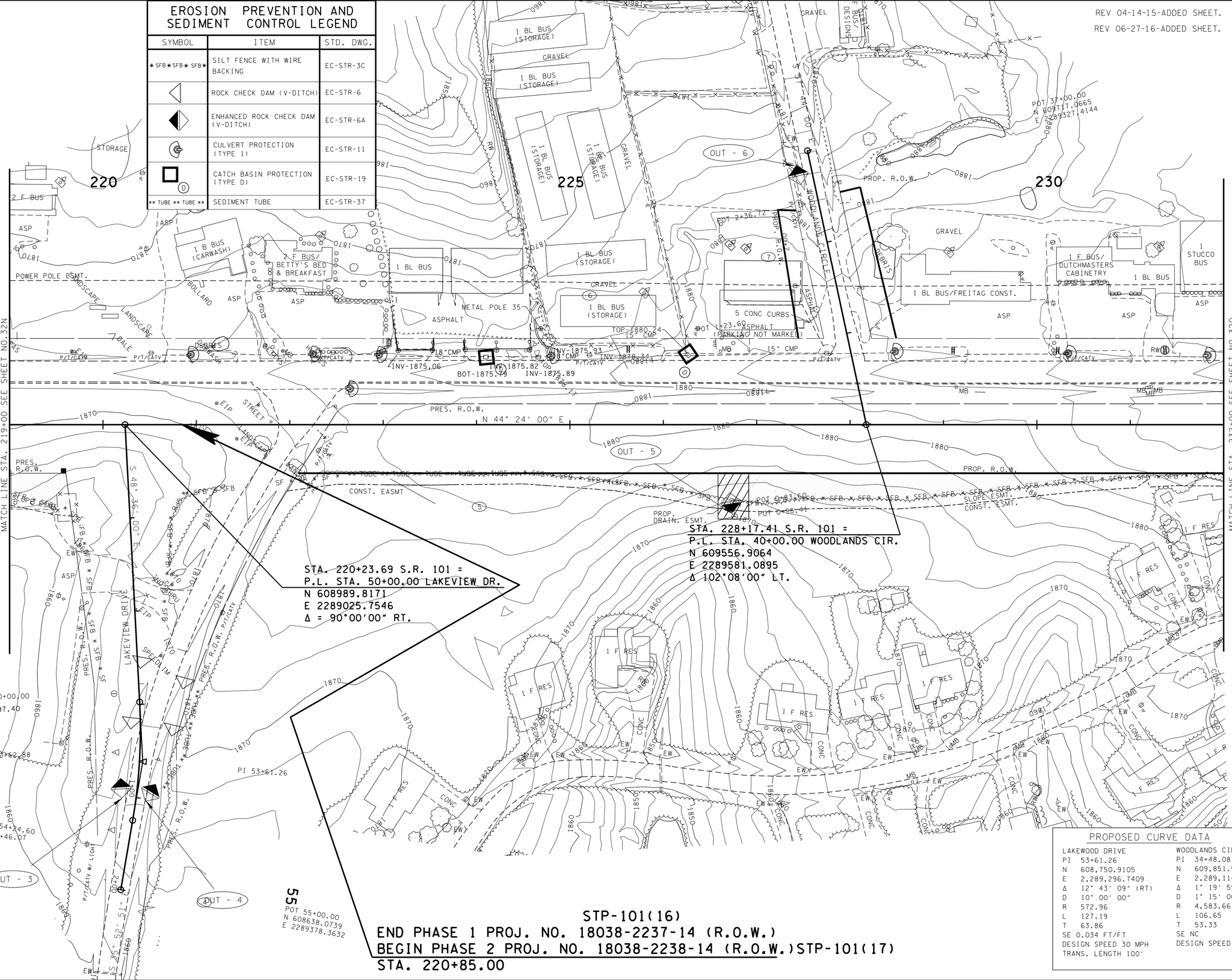
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* 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
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
D	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	32P
CONST.	2016	STP-101(17)	32P



OUTFALL	AREA (AC.)	SLOPE (%)
OUT-3	0.97	2.50
OUT-4	0.97	2.50
OUT-5	1.30	8.80
OUT-6	0.22	5.70

STAGE 1
1. PLACE EPSC MEASURES.
2. CLEAR AND GRUBBING.

STAGE ONE
EXISTING CONTOURS
SHOWN

SEALED BY

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 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		SE NC	
DESIGN SPEED 30 MPH		DESIGN SPEED 25 MPH	
TRANS. LENGTH 100'			

STP-101(16)
END PHASE 1 PROJ. NO. 18038-2237-14 (R.O.W.)
BEGIN PHASE 2 PROJ. NO. 18038-2238-14 (R.O.W.)STP-101(17)
STA. 220+85.00

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 219+00 TO STA. 232+00
SCALE: 1"= 50'

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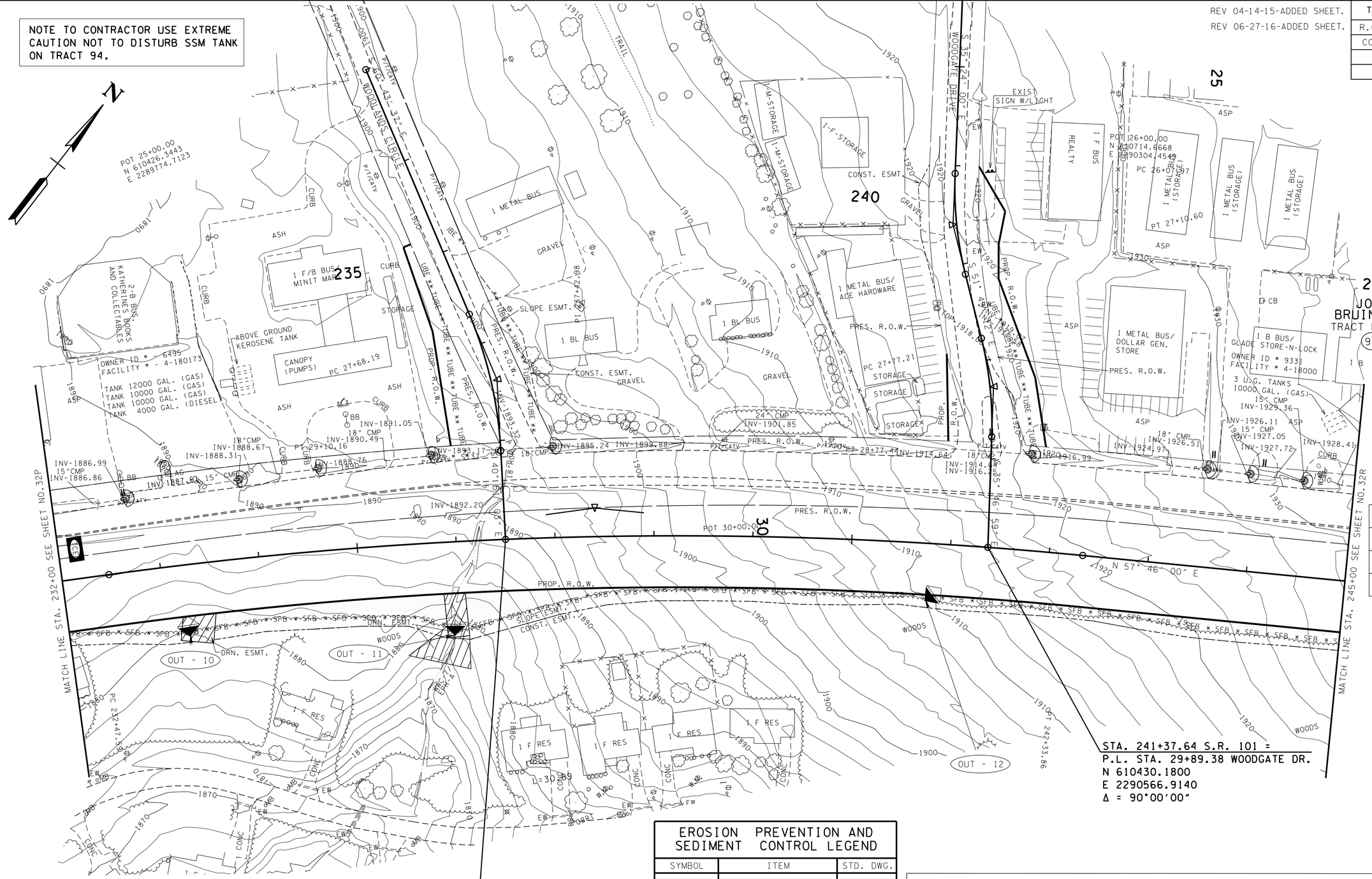
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	32Q
CONST	2016	STP-101(17)	32Q

NOTE TO CONTRACTOR USE EXTREME CAUTION NOT TO DISTURB SSM TANK ON TRACT 94.



OUTFALL	AREA (AC.)	SLOPE (%)
OUT-10	0.49	7.50
OUT-11	1.42	9.50
OUT-12	1.76	5.50

STAGE 1
1. PLACE EPSC MEASURES.
2. CLEAR AND GRUBBING.

STAGE ONE EXISTING CONTOURS SHOWN

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CONSTRUCTABILITY FIELD REVIEW

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
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

PROPOSED CURVE DATA

S.R. 101	WOODLANDS CIRCLE	WOODGATE DRIVE	WOODGATE DRIVE
PI 237+42.98	PI 28+39.90	PI 26+59.64	PI 28+27.65
N 610,218.1998	N 610,260.1430	N 610,666.2060	N 610,561.9150
E 2,290,228.6759	E 2,290,071.2060	E 2,290,339.3380	E 2,290,471.9630
Δ 13° 22′ 00″ (RT)	Δ 19° 52′ 34″ (RT)	Δ 16° 25′ 12″ (LT)	Δ 16° 02′ 13″ (R
D 1° 21′ 19″	D 14° 00′ 00″	D 16° 00′ 00″	D 16° 00′ 00″
R 4,227.60	R 409.26	R 358.10	R 358.10
L 986.27	L 141.97	L 102.62	L 100.23
T 495.38	T 71.71	T 51.67	T 50.44
SE 0.028 FT/FT	SE 0.047 FT/FT	SE 0.051 FT/FT	SE 0.051 FT/FT
DESIGN SPEED 50 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 M
RUNOFF 175′ (50% INSIDE 50% OUTSIDE)	RUNOFF 110′ (50% INSIDE)		

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATIO

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 232+00 TO STA. 245+00
SCALE: 1"= 50'

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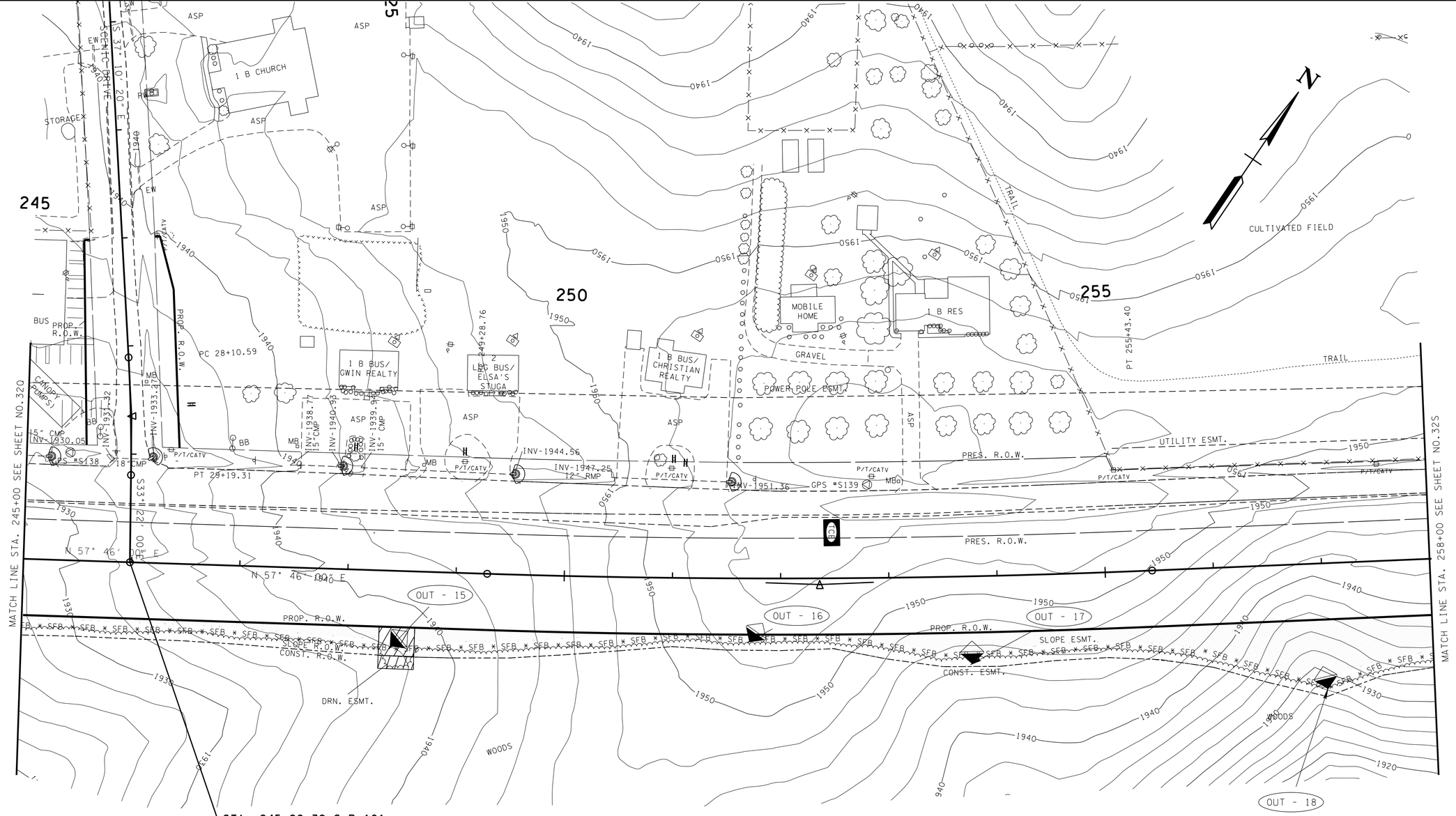
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	32R
CONST	2016	STP-101(17)	32R

REV 04-14-15-ADDED SHEET.

REV 06-27-16-ADDED SHEET.



STA. 245+98.39 S.R.101 =
P.L. STA. 29+99.99 SCENIC DRIVE
N 610676.8510
E 2290956.0630
Δ = 90°00'00"

STAGE 1
1. PLACE EPSC MEASURES.
2. CLEAR AND GRUBBING.

STAGE ONE EXISTING CONTOURS SHOWN

PROPOSED CURVE DATA

S.R. 101	SCENIC DRIVE
PI 252+36.22	PI 28+64.97
N 611,017.0496	N 610,789.6506
E 2,291,495.5929	E 2,290,881.7791
Δ 4° 16' 02" (LT)	Δ 3° 48' 19" (RT)
D 0° 41' 39"	D 3° 30' 00"
R 8,253.89	R 1,637.02
L 614.65	L 108.72
T 307.47	T 54.38
SE R.C.	SE 0.028 FT/FT
DESIGN SPEED 50 MPH	DESIGN SPEED 30 MPH
	RUNOFF 100' (50% INSIDE)

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
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-15	0.67	4.25
OUT-16	0.62	2.78
OUT-17	0.50	7.89
OUT-18	1.69	10.00

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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. 245+00 TO STA. 258+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.	2011	STP-101(17)	32S
CONST	2016	STP-101(17)	32S

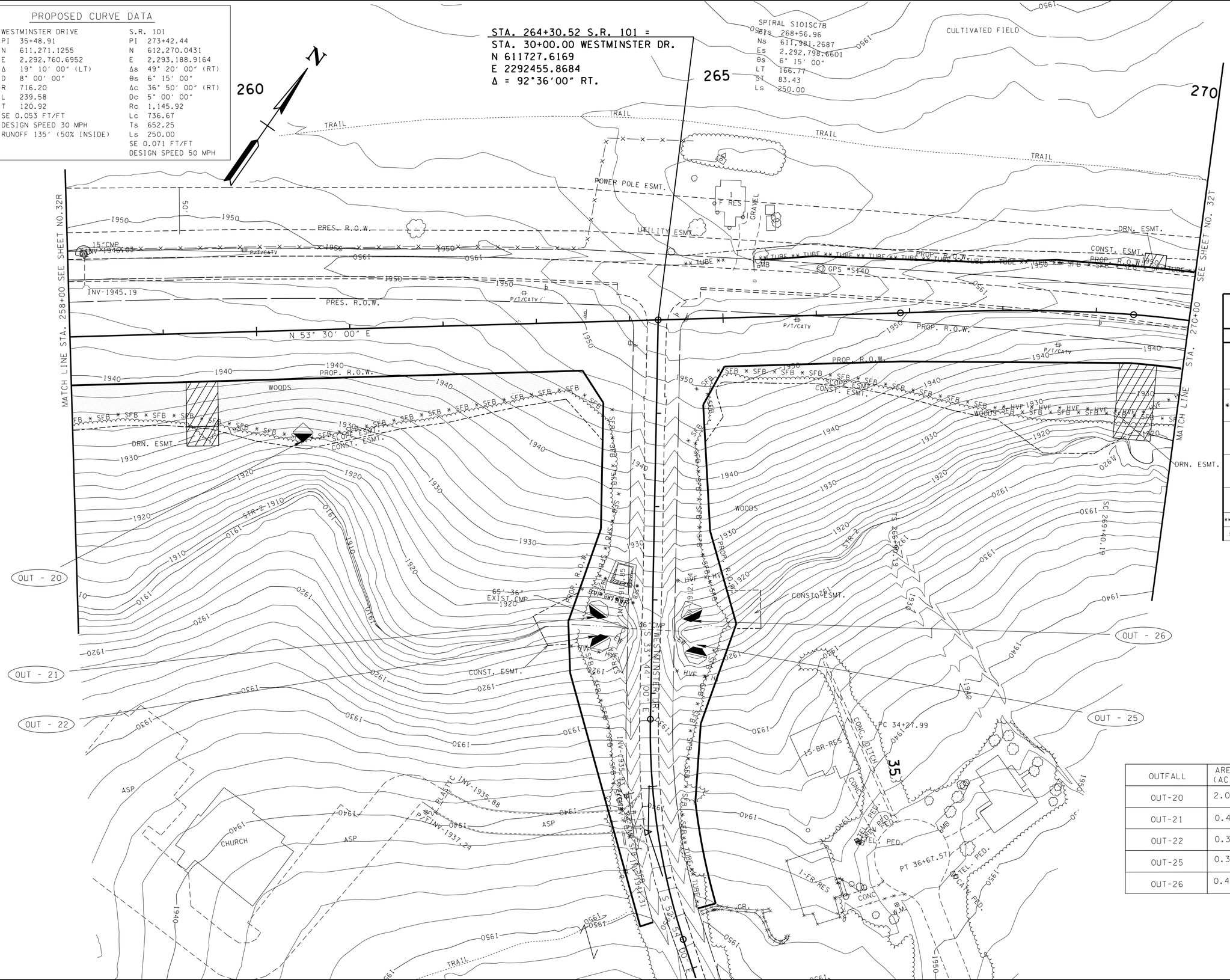
REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.

PROPOSED CURVE DATA

WESTMINSTER DRIVE	S.R. 101
PI 35+48.91	PI 273+42.44
N 611,271.1255	N 612,270.0431
E 2,292,760.6952	E 2,293,188.9164
Δ 19° 10′ 00″ (LT)	Δs 49° 20′ 00″ (RT)
D 8° 00′ 00″	θs 6° 15′ 00″
R 716.20	Δc 36° 50′ 00″ (RT)
L 239.58	Dc 5° 00′ 00″
T 120.92	Rc 1,145.92
SE 0.053 FT/FT	Lc 736.67
DESIGN SPEED 30 MPH	Ts 652.25
RUNOFF 135′ (50% INSIDE)	Ls 250.00
	SE 0.071 FT/FT
	DESIGN SPEED 50 MPH

STA. 264+30.52 S.R. 101 =
STA. 30+00.00 WESTMINSTER DR.
N 611727.6169
E 2292455.8684
Δ = 92°36′00″ RT.

SPIRAL S101SC7B
BTS 268+56.96
Ns 611,981.2687
Es 2,292,798.6601
θs 6° 15′ 00″
LT
LT 166.77
St 83.43
Ls 250.00



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
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL 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

STAGE 1
1. PLACE EPSC MEASURES.
2. CLEAR AND GRUBBING.

STAGE ONE
EXISTING CONTOURS
SHOWN

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-20	2.00	17.64
OUT-21	0.46	17.64
OUT-22	0.30	16.00
OUT-25	0.32	16.00
OUT-26	0.42	16.00

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CONSTRUCTABILITY
FIELD
REVIEW

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. 258+00 TO STA. 270+00
SCALE: 1"= 50′

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

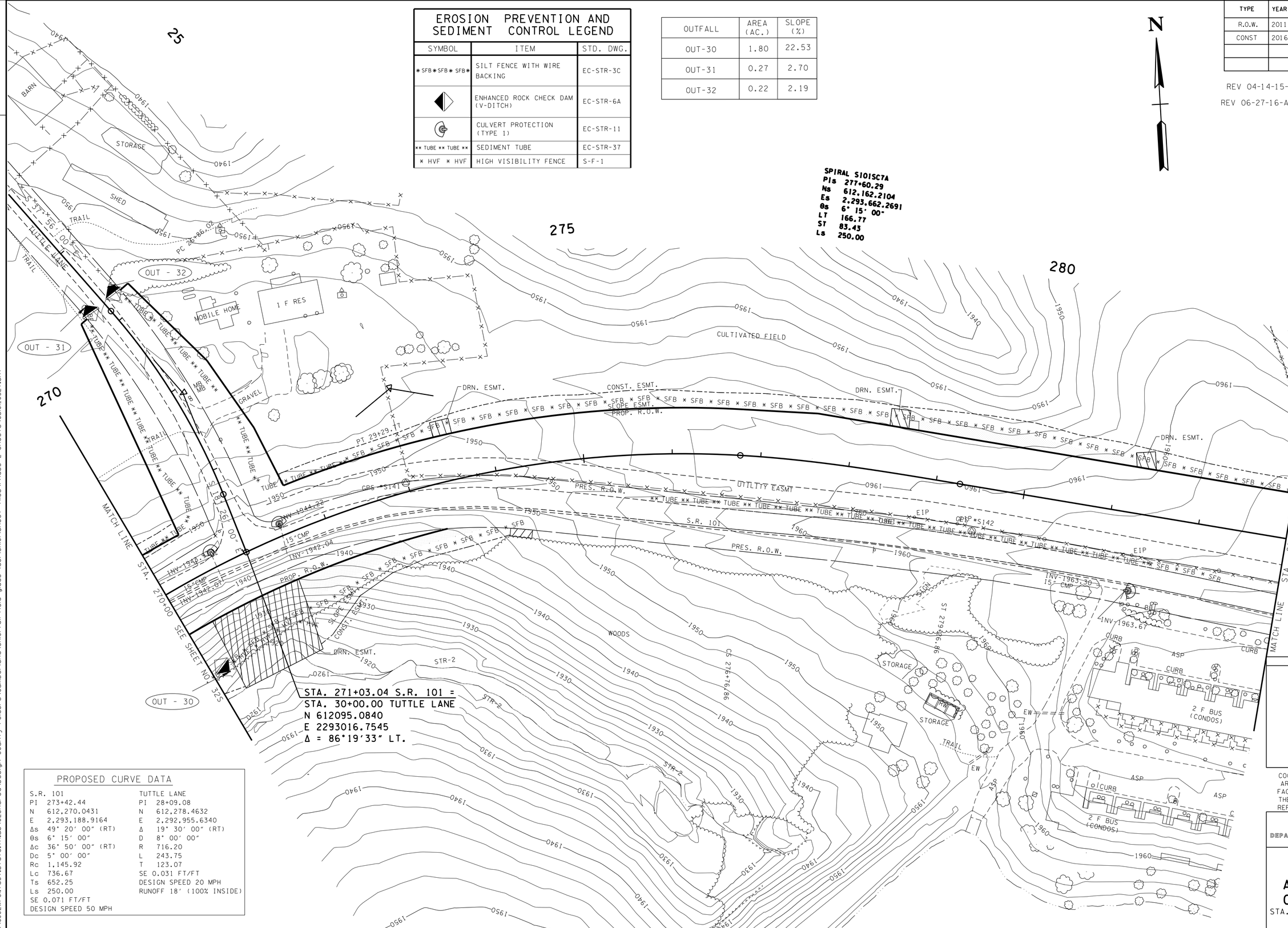
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	32T
CONST	2016	STP-101(17)	32T

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.

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
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-30	1.80	22.53
OUT-31	0.27	2.70
OUT-32	0.22	2.19



PROPOSED CURVE DATA

S.R. 101	TUTTLE LANE
PI 273+42.44	PI 28+09.08
N 612,270.0431	N 612,278.4632
E 2,293,188.9164	E 2,292,955.6340
Δs 49° 20' 00" (RT)	Δ 19° 30' 00" (RT)
θs 6° 15' 00"	D 8° 00' 00"
Δc 36° 50' 00" (RT)	R 716.20
Dc 5° 00' 00"	L 243.75
Rc 1,145.92	T 123.07
Lc 736.67	SE 0.031 FT/FT
Ts 652.25	DESIGN SPEED 20 MPH
Ls 250.00	RUNOFF 18' (100% INSIDE)
SE 0.071 FT/FT	
DESIGN SPEED 50 MPH	

STAGE 1
1. PLACE EPSC MEASURES.
2. CLEAR AND GRUBBING.

STAGE ONE EXISTING CONTOURS SHOWN

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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. 270+00 TO STA. 283+00
SCALE: 1"= 50'

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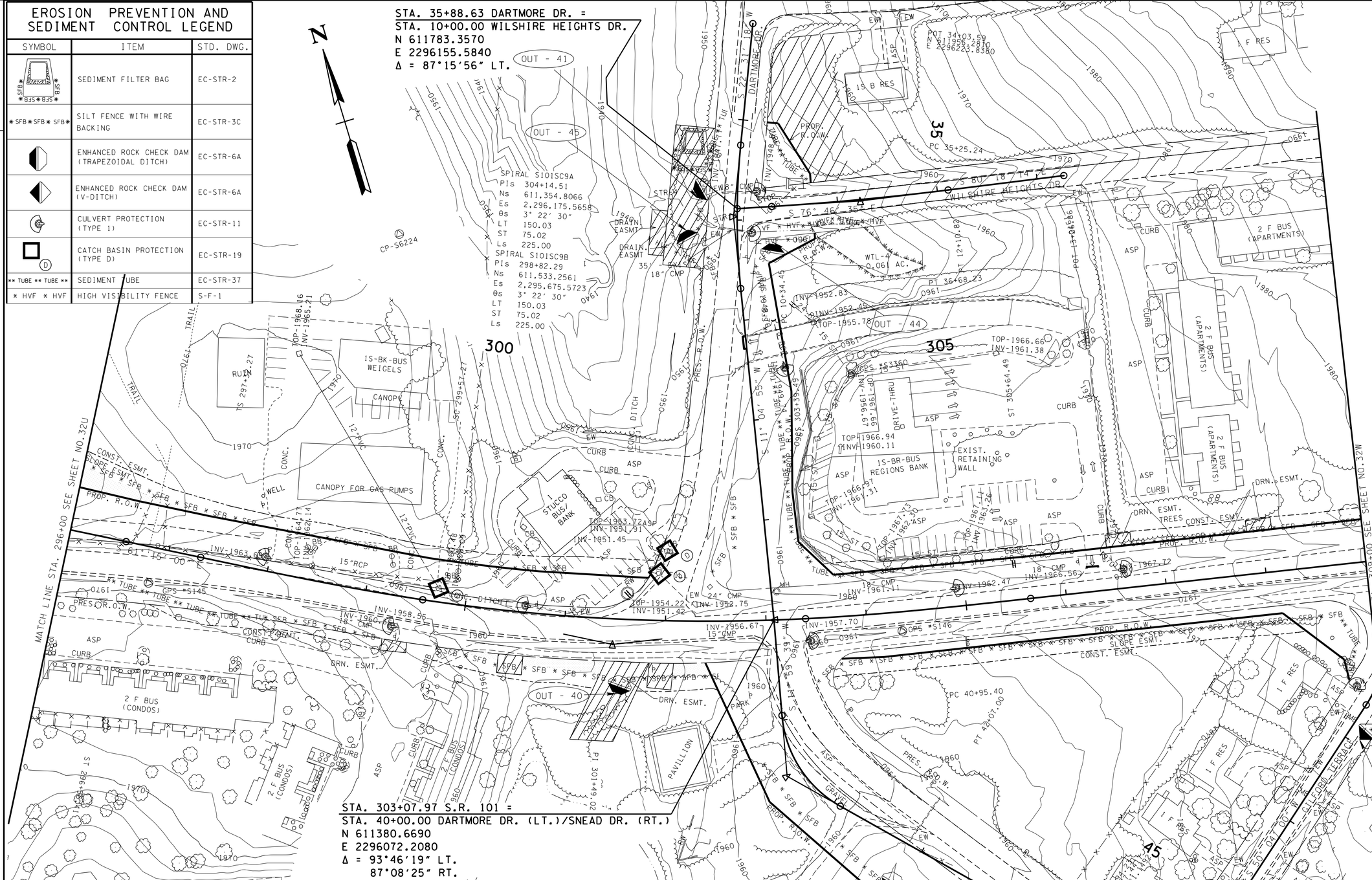
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB	SEDIMENT FILTER BAG	EC-STR-2
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6A
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
D	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	32V
CONST	2016	STP-101(17)	32V

REV 04-14-15-ADDED SHEET.
REV 10-06-15-UPDATED PIPE INFO PER SURVEY REQ.
REV 06-27-16-ADDED SHEET.



OUTFALL	AREA (AC.)	SLOPE (%)
OUT-40	0.90	3.33
OUT-41	5.60	10.00
OUT-42	1.65	3.80
OUT-43	0.06	3.33
OUT-44	1.90	5.80
OUT-45	0.30	8.00

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT THE REMAINING WETLAND WILL NOT BE DISTURBED AND IS PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS.

STAGE 1
1. PLACE EPSC MEASURES.
2. CLEAR AND GRUBBING.

STAGE ONE EXISTING CONTOURS SHOWN

PROPOSED CURVE DATA

S.R. 101	SNEAD DRIVE	SNEAD DRIVE	DARTMORE DRIVE	WILSHIRE HEIGHTS DR.	GILFORD TERRACE
PI 301+51.12	PI 41+56.07	PI 46+74.30	PI 35+96.97	PI 11+22.67	PI 34+08.37
N 611,403.9510	N 611,228.0040	N 610,846.9740	N 611,776.6480	N 611,755.2970	N 610,971.0890
E 2,295,911.2643	E 2,296,039.7740	E 2,296,405.2530	E 2,296,149.7670	E 2,296,274.9970	E 2,296,422.9970
Δs 18° 13' 00" (LT)	Δ 55° 48' 03" (LT)	Δ 19° 36' 49" (RT)	Δ 11° 26' 22" (LT)	Δ 3° 31' 39" (LT)	Δ 3° 00' 33" (RT)
θs 3° 22' 30"	D 50° 00' 00"	D 5° 30' 00"	D 8° 00' 00"	D 2° 00' 00"	D 6° 00' 00"
Δc 11° 28' 00" (LT)	R 114.59	R 1,041.74	R 716.20	R 2,864.79	R 954.93
Dc 3° 00' 00"	L 111.60	L 356.61	L 142.99	L 176.37	L 50.15
Rc 1,909.86	T 60.67	T 180.07	T 71.74	T 88.22	T 25.08
Lc 382.22	SE 0.079 FT/FT	SE 0.041 FT/FT	SE 0.053 FT/FT	SE NC	SE 0.043 FT/FT
Ts 418.86	DESIGN SPEED 20 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 15 MPH	DESIGN SPEED 30 MPH
Ls 225.00	RUNOFF 95.4' (100% INSIDE)		RUNOFF 61' (100% INSIDE)		
SE 0.038 FT/FT					
DESIGN SPEED 40 MPH					

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CONSTRUCTABILITY FIELD REVIEW

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 296+00 TO STA. 309+00
SCALE: 1"= 50'

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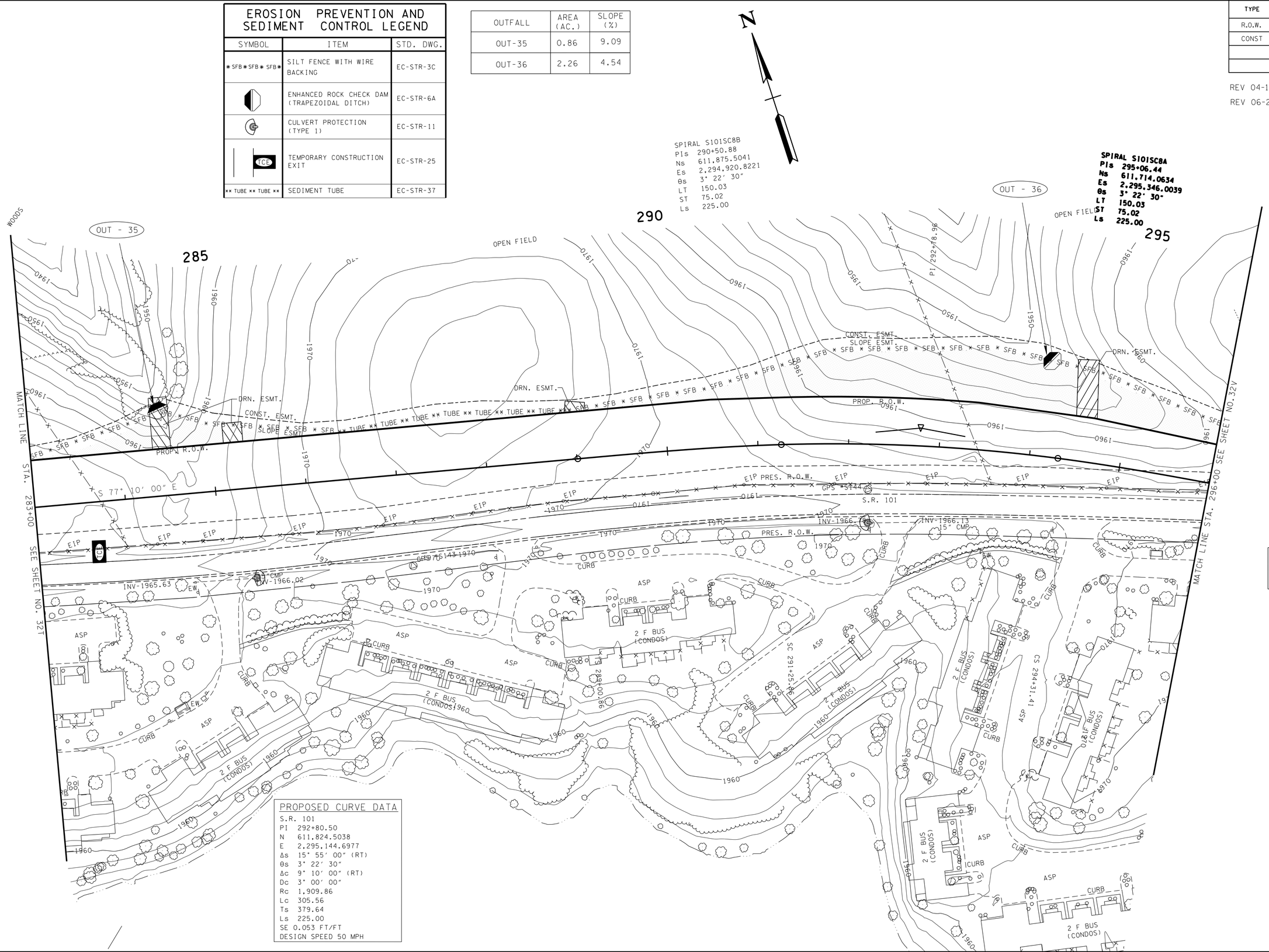
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL 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

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-35	0.86	9.09
OUT-36	2.26	4.54

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	32U
CONST	2016	STP-101(17)	32U

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.



PROPOSED CURVE DATA

S.R. 101
PI 292+80.50
N 611,824.5038
E 2,295,144.6977
Δs 15° 55' 00" (RT)
θs 3° 22' 30"
Δc 9° 10' 00" (RT)
Dc 3° 00' 00"
Rc 1,909.86
Lc 305.56
Ts 379.64
Ls 225.00
SE 0.053 FT/FT
DESIGN SPEED 50 MPH

STAGE 1
1. PLACE EPSC MEASURES.
2. CLEAR AND GRUBBING.

STAGE ONE EXISTING CONTOURS SHOWN

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 283+00 TO STA. 296+00
SCALE: 1"= 50'

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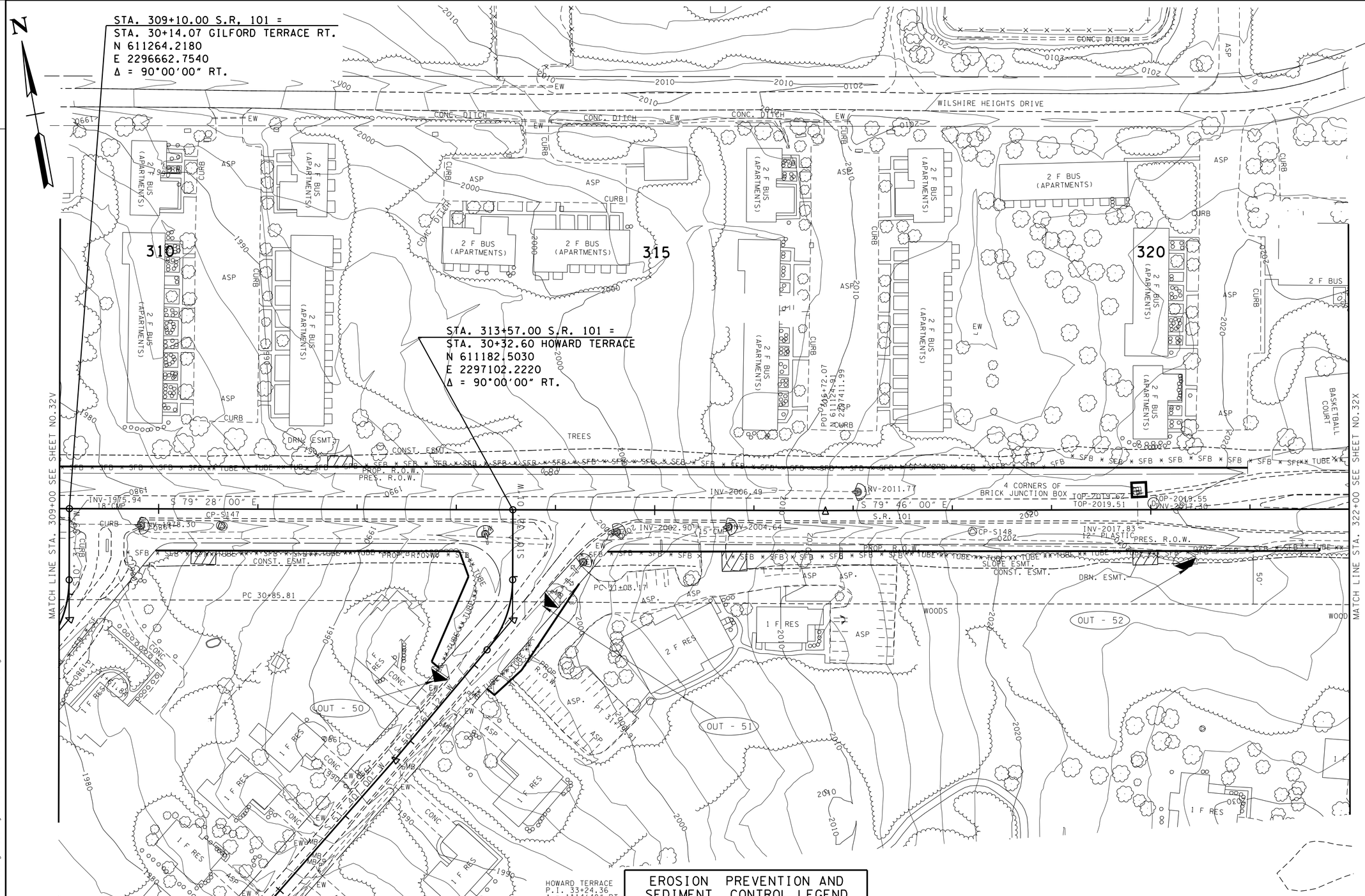
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	32W
CONST	2016	STP-101(17)	32W

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.



OUTFALL	AREA (AC.)	SLOPE (%)
OUT-50	0.15	2.85
OUT-51	0.45	4.00
OUT-52	0.22	2.50

STAGE 1
1. PLACE EPSC MEASURES.
2. CLEAR AND GRUBBING.

STAGE ONE EXISTING CONTOURS SHOWN

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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

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
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6A

PROPOSED CURVE DATA

GILFORD TERRACE		HOWARD TERRACE	
PI	31+25.41	PI	31+43.17
N	611,154.7560	N	611,073.7940
E	2,296,642.4010	E	2,297,082.0080
Δ	39° 32' 01" (RT)	Δ	39° 54' 11" (RT)
D	52° 00' 00"	D	52° 00' 00"
R	110.18	R	110.18
L	76.03	L	76.74
T	39.60	T	40.00
SE 0.080 FT/FT		SE 0.080 FT/FT	
DESIGN SPEED 20 MPH		DESIGN SPEED 20 MPH	

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
D	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 309+00 TO STA. 322+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.	2011	STP-101(17)	32X
CONST	2016	STP-101(17)	32X

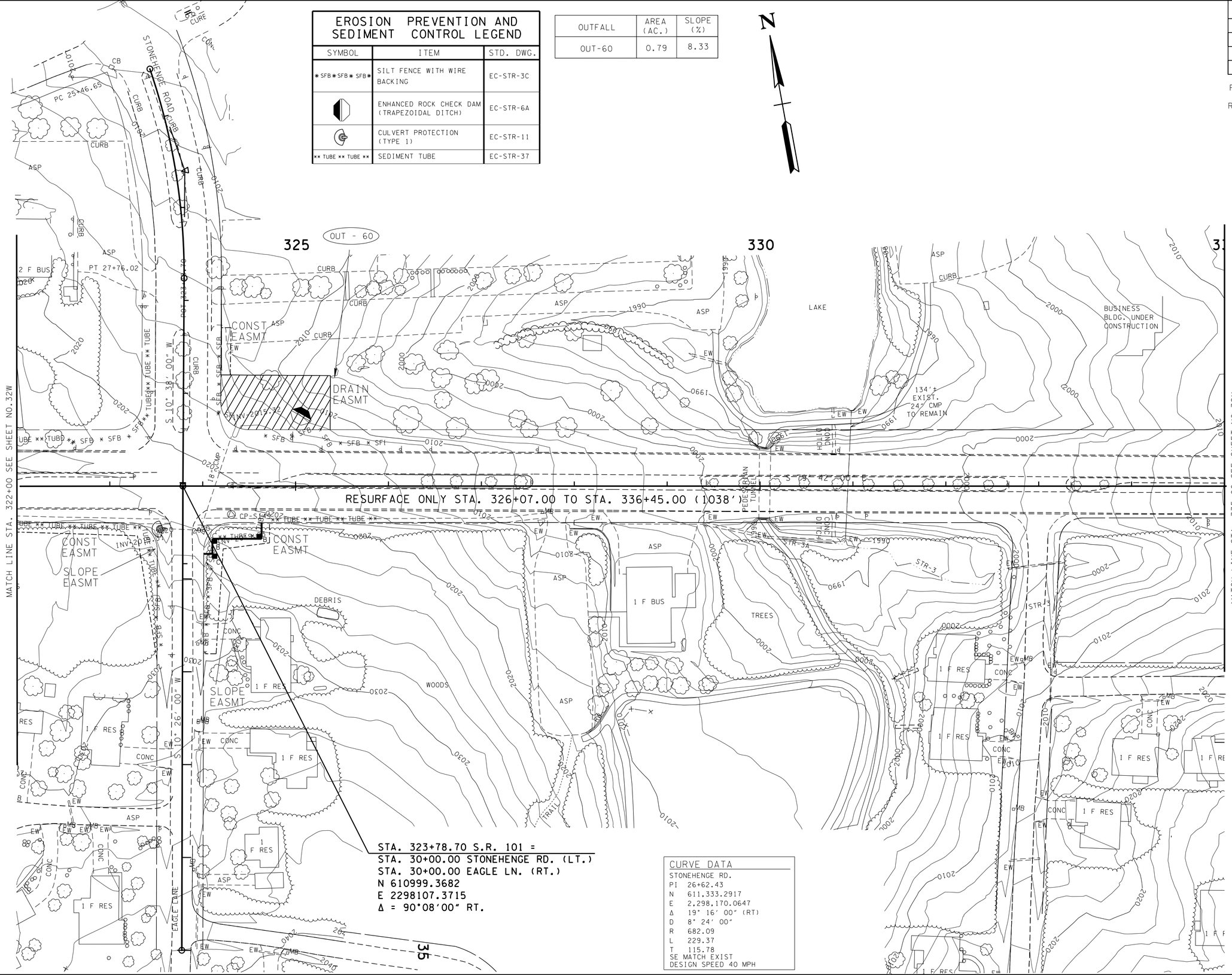
REV 04-14-15-ADDED SHEET.

REV 06-27-16-ADDED SHEET.

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 (TRAPEZOIDAL DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-60	0.79	8.33



CURVE DATA

STONEHENGE RD.

PI	26+62.43
N	611,333.2917
E	2,298,170.0647
Δ	19° 16' 00" (RT)
D	8° 24' 00"
R	682.09
L	229.37
T	115.78

SE MATCH EXIST
DESIGN SPEED 40 MPH

STAGE 1
1. PLACE EPSC MEASURES.
2. CLEAR AND GRUBBING.

STAGE ONE EXISTING CONTOURS SHOWN

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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. 322+00 TO STA. 335+00

SCALE: 1"= 50'

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

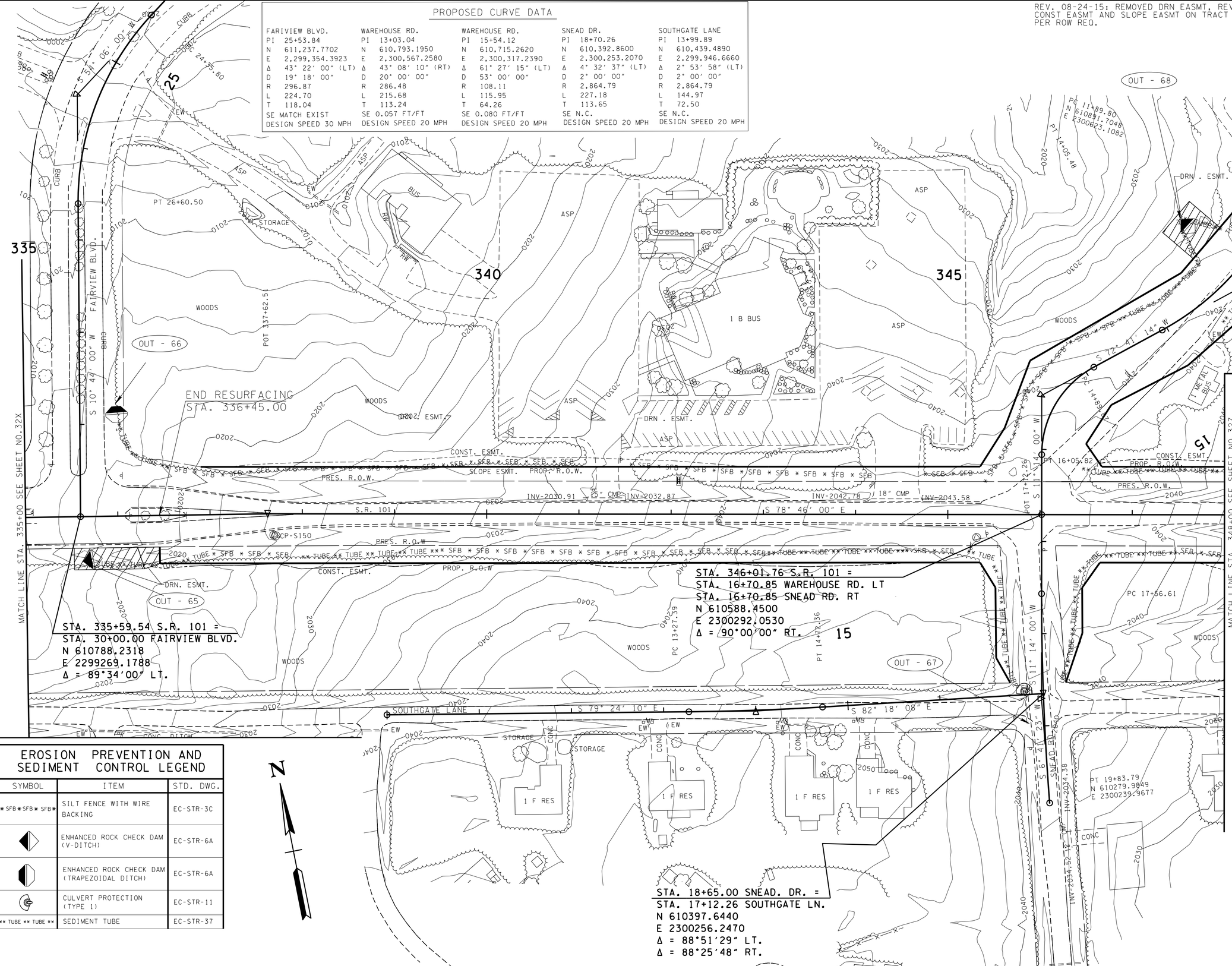
REV. 08-24-15: REMOVED DRN EASMT, REVISED CONST EASMT AND SLOPE EASMT ON TRACT 124 PER ROW REQ.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	32Y
CONST	2016	STP-101(17)	32Y

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.

PROPOSED CURVE DATA

FARIVIEW BLVD.	WAREHOUSE RD.	WAREHOUSE RD.	SNEAD DR.	SOUTHGATE LANE
PI 25+53.84	PI 13+03.04	PI 15+54.12	PI 18+70.26	PI 13+99.89
N 611,237.7702	N 610,793.1950	N 610,715.2620	N 610,392.8600	N 610,439.4890
E 2,299,354.3923	E 2,300,567.2580	E 2,300,317.2390	E 2,300,253.2070	E 2,299,946.6660
Δ 43° 22′ 00″ (LT)	Δ 43° 08′ 10″ (RT)	Δ 61° 27′ 15″ (LT)	Δ 4° 32′ 37″ (LT)	Δ 2° 53′ 58″ (LT)
D 19° 18′ 00″	D 20° 00′ 00″	D 53° 00′ 00″	D 2° 00′ 00″	D 2° 00′ 00″
R 296.87	R 286.48	R 108.11	R 2,864.79	R 2,864.79
L 224.70	L 215.68	L 115.95	L 227.18	L 144.97
T 118.04	T 113.24	T 64.26	T 113.65	T 72.50
SE MATCH EXIST	SE 0.057 FT/FT	SE 0.080 FT/FT	SE N.C.	SE N.C.
DESIGN SPEED 30 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH



OUTFALL	AREA (AC.)	SLOPE (%)
OUT-65	3.38	3.33
OUT-66	1.08	5.00
OUT-67	0.44	4.00
OUT-68	1.80	4.00

STAGE 1
1. PLACE EPSC MEASURES.
2. CLEAR AND GRUBBING.

STAGE ONE EXISTING CONTOURS SHOWN

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
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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. 335+00 TO STA. 348+00
SCALE: 1"= 50'

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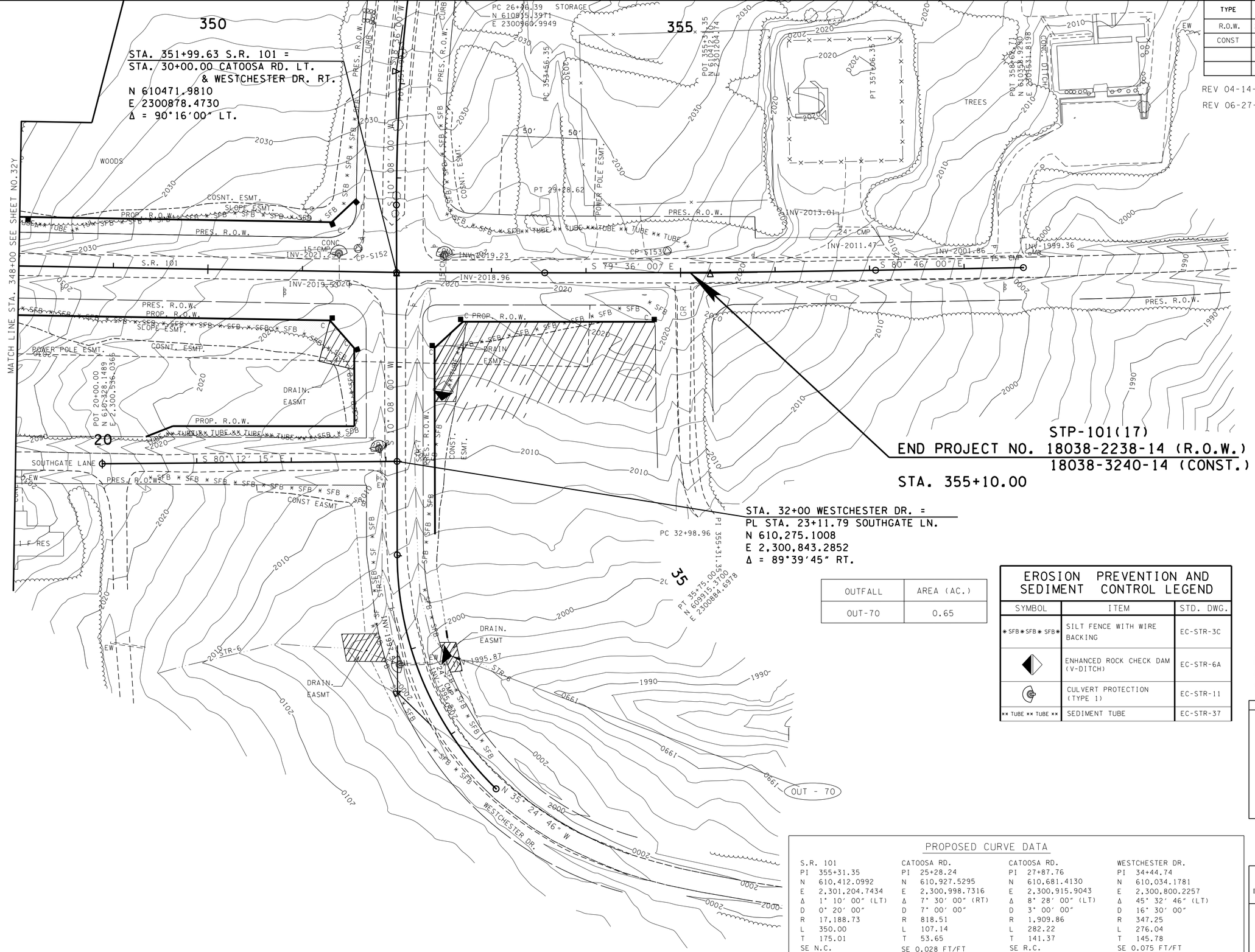
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	32Z
CONST	2016	STP-101(17)	32Z

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.



OUTFALL	AREA (AC.)
OUT-70	0.65

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
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

STAGE 1
1. PLACE EPSC MEASURES.
2. CLEAR AND GRUBBING.

STAGE ONE EXISTING CONTOURS SHOWN

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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 CURVE DATA

S.R. 101	CATOOSA RD.	CATOOSA RD.	WESTCHESTER DR.
PI 355+31.35	PI 25+28.24	PI 27+87.76	PI 34+44.74
N 610,412.0992	N 610,927.5295	N 610,681.4130	N 610,034.1781
E 2,301,204.7434	E 2,300,998.7316	E 2,300,915.9043	E 2,300,800.2257
Δ 1° 10' 00" (LT)	Δ 7° 30' 00" (RT)	Δ 8° 28' 00" (LT)	Δ 45° 32' 46" (LT)
D 0° 20' 00"	D 7° 00' 00"	D 3° 00' 00"	D 16° 30' 00"
R 17,188.73	R 818.51	R 1,909.86	R 347.25
L 350.00	L 107.14	L 282.22	L 276.04
T 175.01	T 53.65	T 141.37	T 145.78
SE N.C.	SE 0.028 FT/FT	SE R.C.	SE 0.075 FT/FT
DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 30 MPH
			RUNOFF 101.3' (14% OUTSIDE 89% INSIDE)

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 348+00 TO STA. 358+00

SCALE: 1"= 50'

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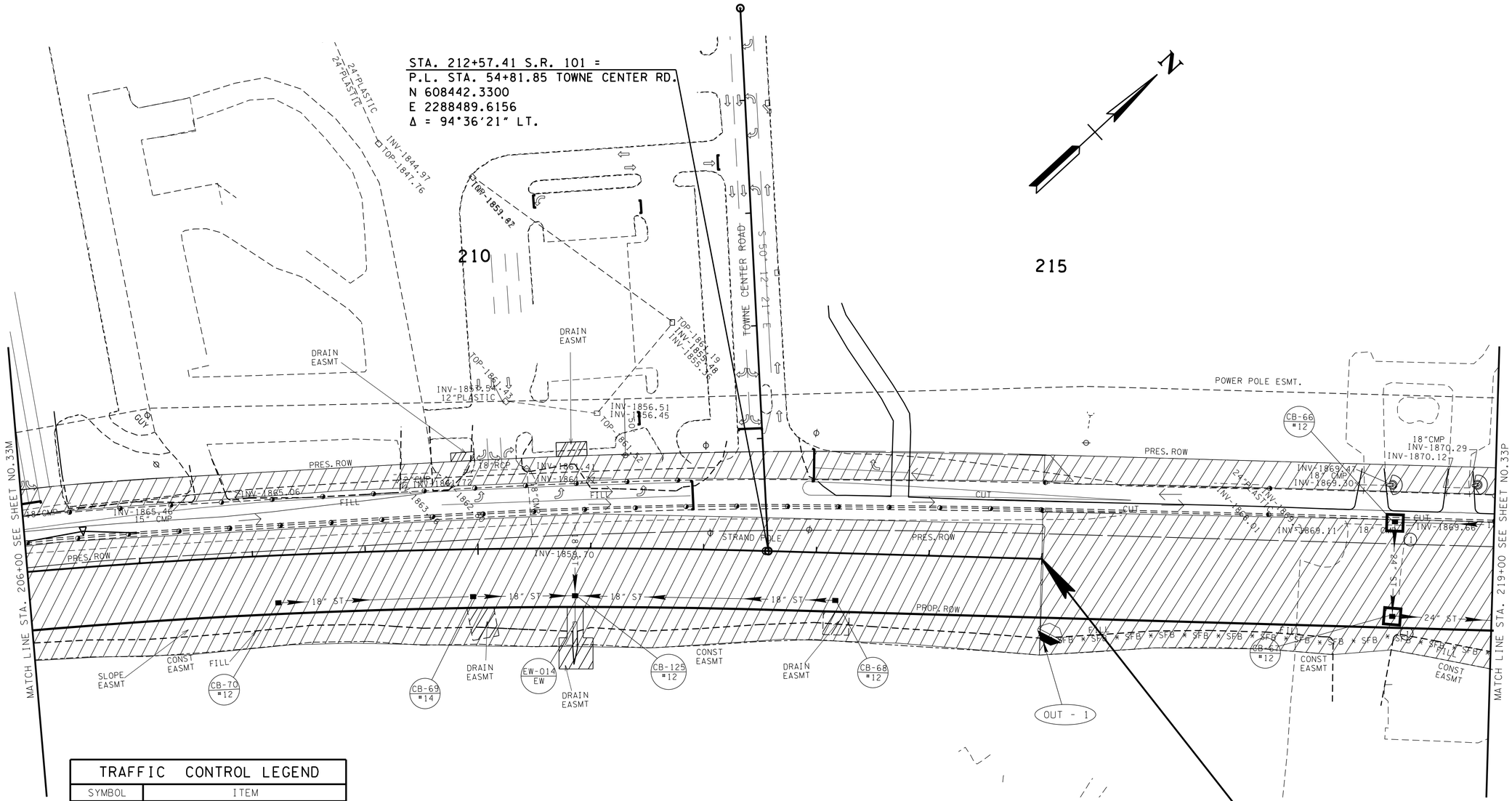
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2010	STP-101(16)	33N
CONST	2016	STP-101(16)	33N

REV. 4-14-15- ADDED SHEET.

REV 06-27-16-ADDED SHEET.



STP-101(16)
END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STA. 215+00.00

STP-101(17)
BEGIN PHASE 2 PROJ. NO. 18038-3242-14 (CONST.)
STA. 215+00.00

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
→	TRAFFIC FLOW
	FLEXIBLE DRUMS (CHANNELIZING)

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 (TRAPEZOIDAL DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
1	CATCH BASIN FILTER ASSEMBLY (TYPE 1)	EC-STR-41

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-1	0.62	2.00

PLAN NOTES:
1. PLACE EPSC MEASURE AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD SOUTH SIDE OF PROJECT FROM STA 215+00 AS DIRECTED BY T.D.O.T SUPERVISOR.

EPSC-STAGE 2=
TRAFFIC CONTROL PHASE 1

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

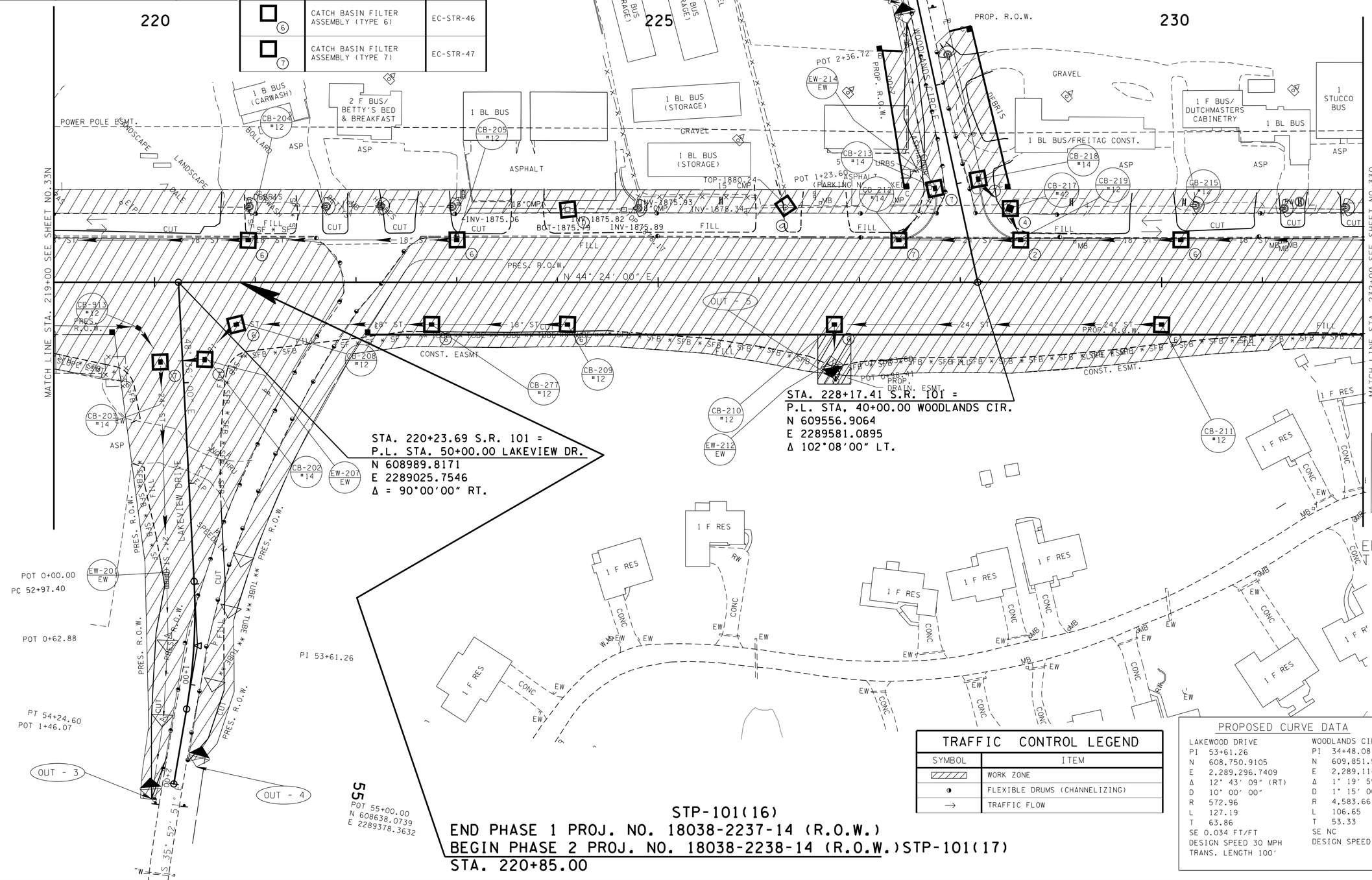
SYMBOL	ITEM	STD. DWG.
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
D	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
4	CATCH BASIN FILTER ASSEMBLY (TYPE 4)	EC-STR-44
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	33P
CONST.	2016	STP-101(17)	33P

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.



OUTFALL	AREA (AC.)	SLOPE (%)
OUT-3	2.27	2.50
OUT-4	0.97	2.50
OUT-5	0.73	8.80
OUT-6	2.71	5.70

PLAN NOTES:

1. PLACE EPSC MEASURE AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD SOUTH SIDE OF PROJECT AS DIRECTED BY T.D.O.T SUPERVISOR.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW

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	SE	NC
DESIGN SPEED	30 MPH	DESIGN SPEED	25 MPH
TRANS. LENGTH	100'		

STP-101(16)
END PHASE 1 PROJ. NO. 18038-2237-14 (R.O.W.)
BEGIN PHASE 2 PROJ. NO. 18038-2238-14 (R.O.W.)STP-101(17)
STA. 220+85.00

SEALED BY

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. 219+00 TO STA. 232+00

SCALE: 1"= 50'

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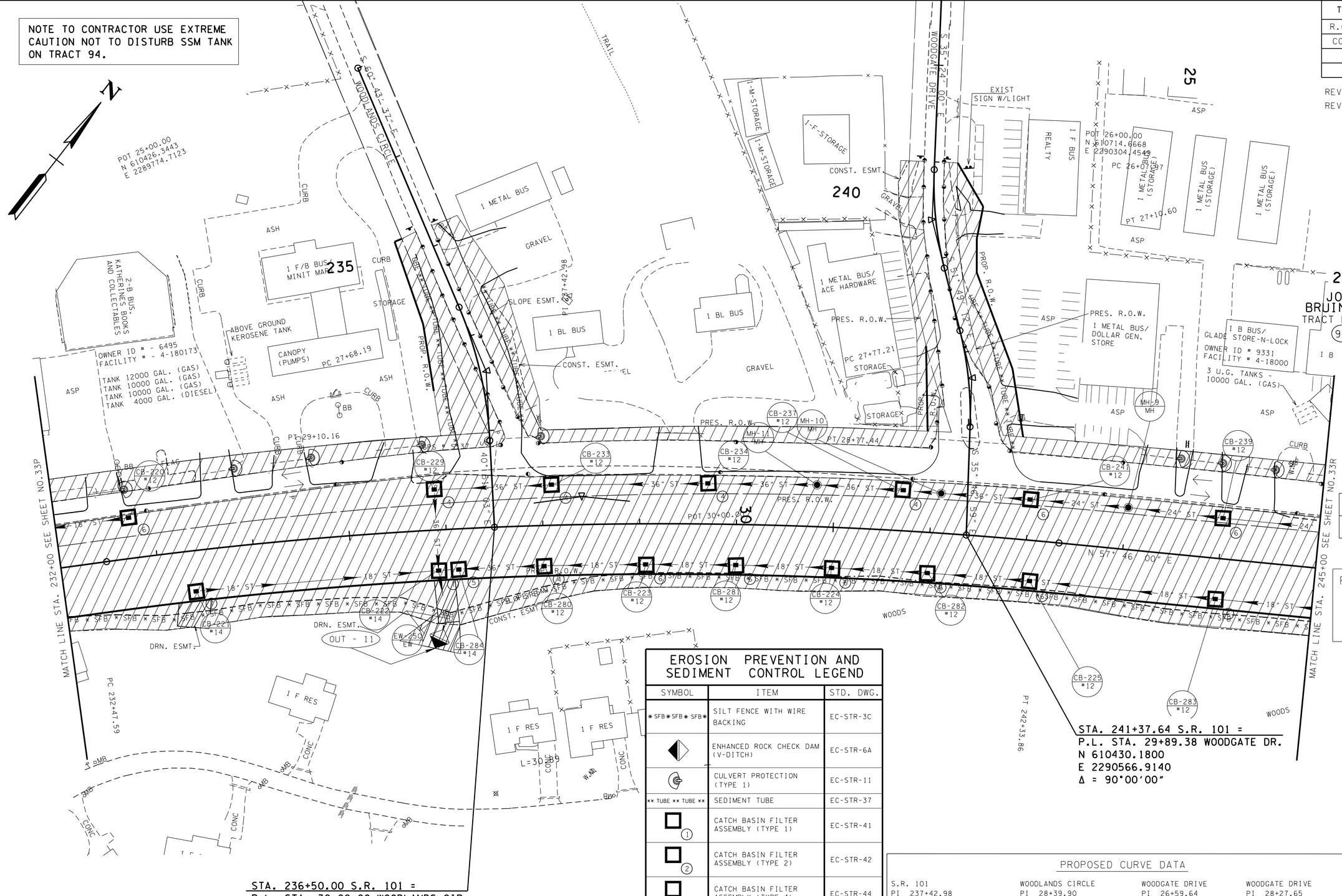
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	33Q
CONST	2016	STP-101(17)	33Q

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.

NOTE TO CONTRACTOR USE EXTREME CAUTION NOT TO DISTURB SSM TANK ON TRACT 94.



OUTFALL	AREA (AC.)	SLOPE (%)
OUT-11	22.59	3.90

PLAN NOTES:

1. PLACE EPSC MEASURE AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD SOUTH SIDE OF PROJECT AS DIRECTED BY T.D.O.T SUPERVISOR.

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
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
1	CATCH BASIN FILTER ASSEMBLY (TYPE 1)	EC-STR-41
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
4	CATCH BASIN FILTER ASSEMBLY (TYPE 4)	EC-STR-44
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

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
→	TRAFFIC FLOW
	FLEXIBLE DRUMS (CHANNELIZING)

PROPOSED CURVE DATA

S.R. 101	WOODLANDS CIRCLE	WOODGATE DRIVE	WOODGATE DRIVE
PI 237+42.98	PI 28+39.90	PI 26+59.64	PI 28+27.65
N 610,218.1998	N 610,260.1430	N 610,666.2060	N 610,561.9150
E 2,290,228.6759	E 2,290,071.2060	E 2,290,339.3380	E 2,290,471.9630
Δ 13° 22' 00" (RT)	Δ 19° 52' 34" (RT)	Δ 16° 25' 12" (LT)	Δ 16° 02' 13" (R
D 1° 21' 19"	D 14° 00' 00"	D 16° 00' 00"	D 16° 00' 00"
R 4,227.60	R 409.26	R 358.10	R 358.10
L 986.27	L 141.97	L 102.62	L 100.23
T 495.38	T 71.71	T 51.67	T 50.44
SE 0.028 FT/FT	SE 0.047 FT/FT	SE 0.051 FT/FT	SE 0.051 FT/FT
DESIGN SPEED 50 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 M
RUNOFF 175' (50% INSIDE 50% OUTSIDE)	RUNOFF 110' (50% INSIDE)		

EPSC-STAGE 2= TRAFFIC CONTROL PHASE 1

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATIO

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 232+00 TO STA. 245+00
SCALE: 1"= 50'

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

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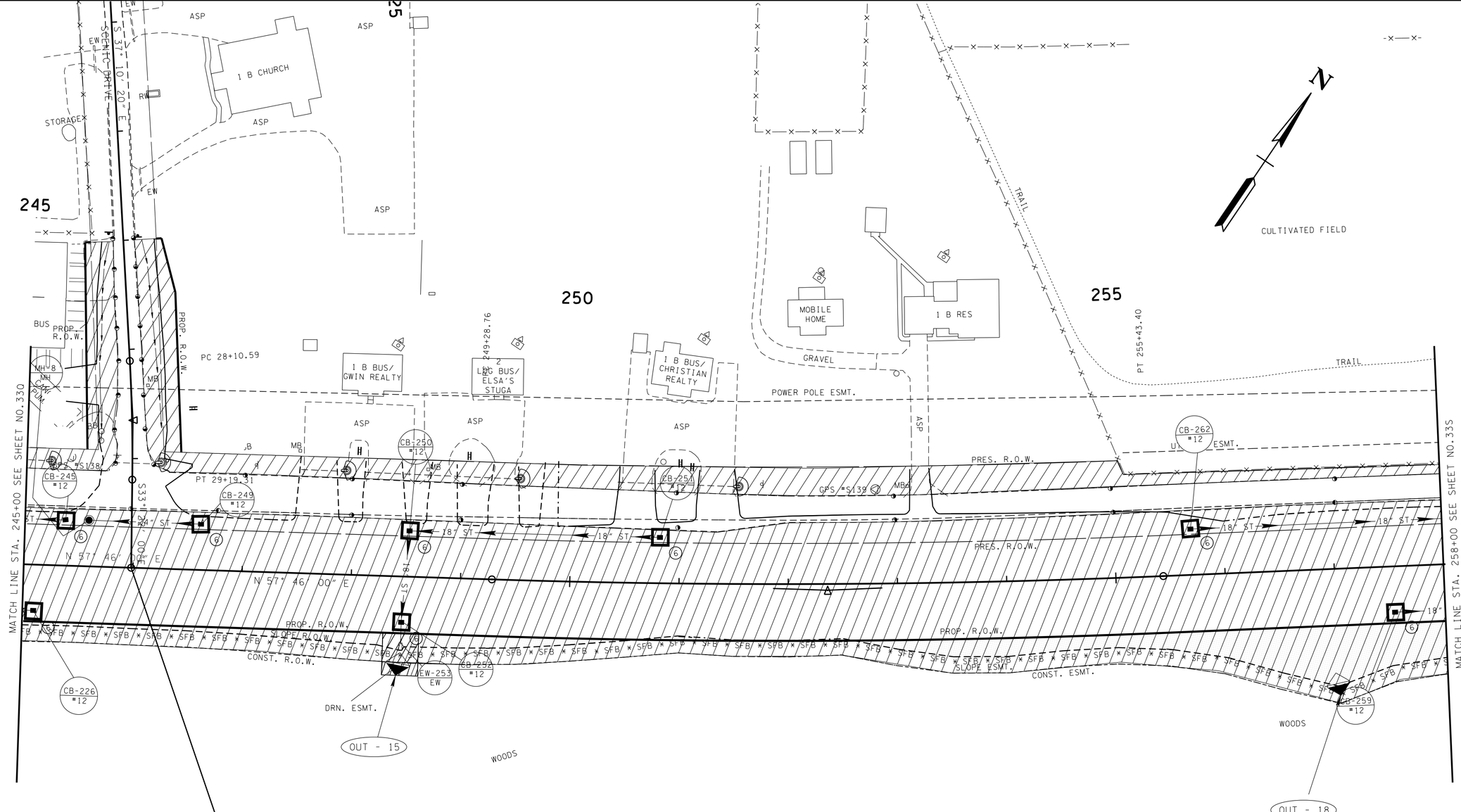
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	33R
CONST	2016	STP-101(17)	33R

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.



STA. 245+98.39 S.R.101 =
P.L. STA. 29+99.99 SCENIC DRIVE
N 610676.8510
E 2290956.0630
Δ = 90°00'00"

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-15	1.28	3.50
OUT-18	1.69	10.00

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
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

PROPOSED CURVE DATA

S.R. 101	SCENIC DRIVE
PI 252+36.22	PI 28+64.97
N 611,017.0496	N 610,789.6506
E 2,291,495.5929	E 2,290,881.7791
Δ 4° 16' 02" (LT)	Δ 3° 48' 19" (RT)
D 0° 41' 39"	D 3° 30' 00"
R 8,253.89	R 1,637.02
L 614.65	L 108.72
T 307.47	T 54.38
SE R.C.	SE 0.028 FT/FT
DESIGN SPEED 50 MPH	DESIGN SPEED 30 MPH
	RUNOFF 100' (50% INSIDE)

PLAN NOTES:

1. PLACE EPSC MEASURE AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD SOUTH SIDE OF PROJECT AS DIRECTED BY T.D.O.T SUPERVISOR.

EPSC-STAGE 2=
TRAFFIC CONTROL PHASE 1

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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. 245+00 TO STA. 258+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.	2011	STP-101(17)	33S
CONST	2016	STP-101(17)	33S

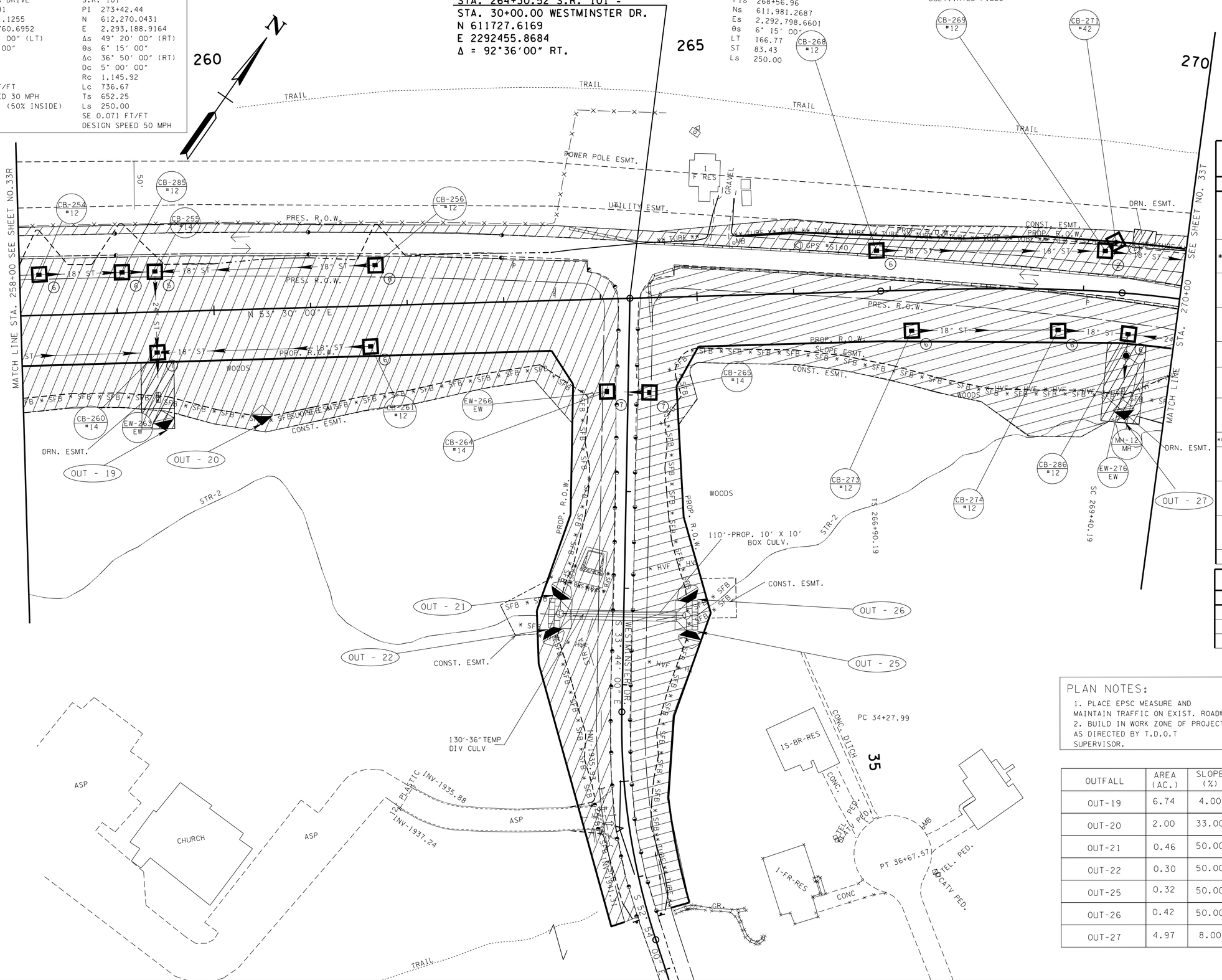
REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.

PROPOSED CURVE DATA

WESTMINSTER DRIVE	S.R. 101
PI 35+48.91	PI 273+42.44
N 611,271.1255	N 612,270.0431
E 2,292,760.6952	E 2,293,188.9164
Δ 19° 10′ 00″ (LT)	Δs 49° 20′ 00″ (RT)
D 8° 00′ 00″	θs 6° 15′ 00″
R 716.20	Δc 36° 50′ 00″ (RT)
L 239.58	Dc 5° 00′ 00″
T 120.92	Rc 1,145.92
SE 0.053 FT/FT	Lc 736.67
DESIGN SPEED 30 MPH	Ts 652.25
RUNOFF 135′ (50% INSIDE)	Ls 250.00
	SE 0.071 FT/FT
	DESIGN SPEED 50 MPH

STA. 264+30.52 S.R. 101 =
STA. 30+00.00 WESTMINSTER DR.
N 611727.6169
E 2292455.8684
Δ = 92°36′00″ RT.

SPIRAL S101SC7B
PIs 268+56.96
Ns 611,981.2687
Es 2,292,798.6601
θs 6° 15′ 00″
LT 166.77
ST 83.43
Ls 250.00



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
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
	SUSPENDED PIPE DIVERSION	EC-STR-33 EC-STR-33A
TUBE TUBE	SEDIMENT TUBE	EC-STR-37
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
HVF HVF	HIGH VISIBILITY FENCE	S-F-1

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW

EPSC-STAGE 2=
TRAFFIC CONTROL PHASE 1

PLAN NOTES:
1. PLACE EPSC MEASURE AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE OF PROJECT AS DIRECTED BY T.D.O.T SUPERVISOR.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-19	6.74	4.00
OUT-20	2.00	33.00
OUT-21	0.46	50.00
OUT-22	0.30	50.00
OUT-25	0.32	50.00
OUT-26	0.42	50.00
OUT-27	4.97	8.00

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 258+00 TO STA. 270+00
SCALE: 1"= 50′

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

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-30	1.80	22.53
OUT-31	0.27	2.70
OUT-32	0.22	2.19

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL

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
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
4	CATCH BASIN FILTER ASSEMBLY (TYPE 4)	EC-STR-44

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

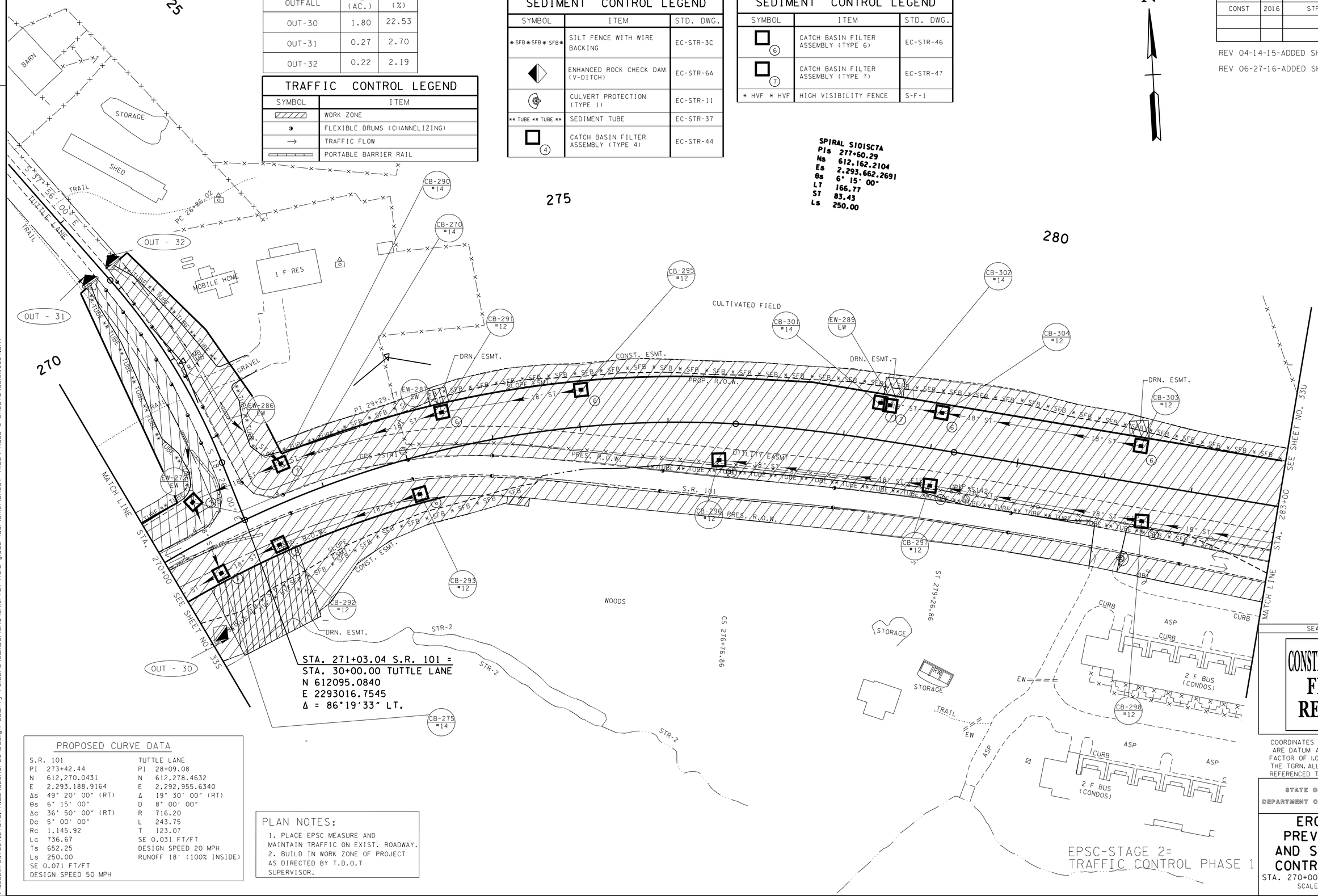
SYMBOL	ITEM	STD. DWG.
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	33T
CONST	2016	STP-101(17)	33T

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.

N

SPIRAL S101SC7A
PIs 277+60.29
Ns 612,162.2104
Es 2,293,662.2691
θs 6° 15' 00"
LT 166.77
ST 83.43
Ls 250.00



PROPOSED CURVE DATA

S.R. 101		TUTTLE LANE	
PI	273+42.44	PI	28+09.08
N	612,270.0431	N	612,278.4632
E	2,293,188.9164	E	2,292,955.6340
Δs	49° 20' 00" (RT)	Δ	19° 30' 00" (RT)
θs	6° 15' 00"	D	8° 00' 00"
Δc	36° 50' 00" (RT)	R	716.20
Dc	5° 00' 00"	L	243.75
Rc	1,145.92	T	123.07
Lc	736.67	SE	0.031 FT/FT
Ts	652.25	DESIGN SPEED	20 MPH
Ls	250.00	RUNOFF	18' (100% INSIDE)
SE 0.071 FT/FT			
DESIGN SPEED 50 MPH			

PLAN NOTES:

1. PLACE EPSC MEASURE AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE OF PROJECT AS DIRECTED BY T.D.O.T SUPERVISOR.

EPSC-STAGE 2=
TRAFFIC CONTROL PHASE 1

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 270+00 TO STA. 283+00
SCALE: 1"= 50'

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

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-35	0.61	1.42
OUT-36	0.55	30.00

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 (TRAPEZOIDAL DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11

TRAFFIC CONTROL LEGEND

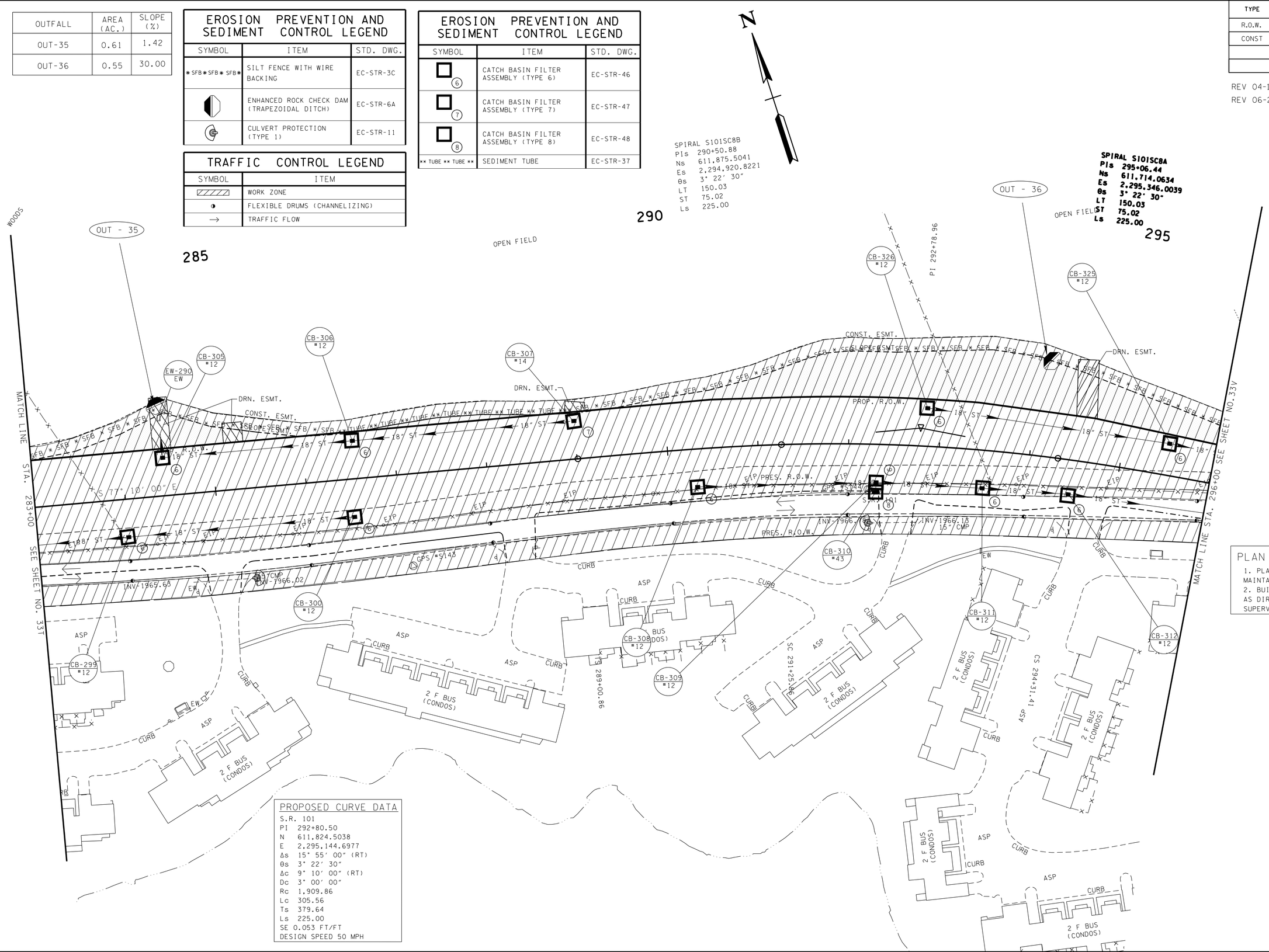
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW

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
8	CATCH BASIN FILTER ASSEMBLY (TYPE 8)	EC-STR-48
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	33U
CONST	2016	STP-101(17)	33U

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.



PROPOSED CURVE DATA

S.R. 101
PI 292+80.50
N 611,824.5038
E 2,295,144.6977
Δs 15° 55' 00" (RT)
θs 3° 22' 30"
Δc 9° 10' 00" (RT)
Dc 3° 00' 00"
Rc 1,909.86
Lc 305.56
Ts 379.64
Ls 225.00
SE 0.053 FT/FT
DESIGN SPEED 50 MPH

PLAN NOTES:

1. PLACE EPSC MEASURE AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE OF PROJECT AS DIRECTED BY T.D.O.T SUPERVISOR.

EPSC-STAGE 2= TRAFFIC CONTROL PHASE 1

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 283+00 TO STA. 296+00
SCALE: 1"= 50'

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

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

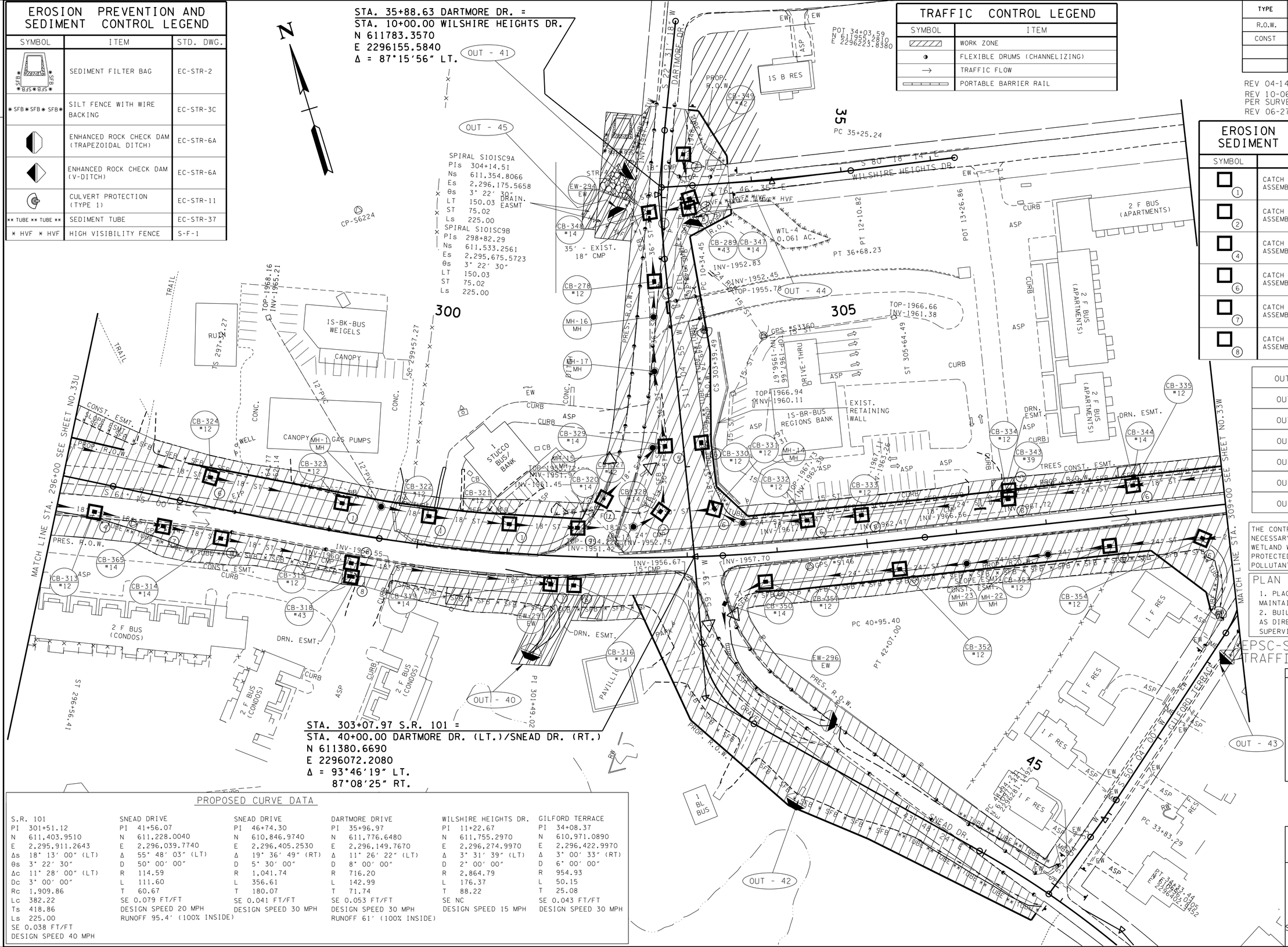
SYMBOL	ITEM	STD. DWG.
SFB	SEDIMENT FILTER BAG	EC-STR-2
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6A
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

STA. 35+88.63 DARTMORE DR. =
STA. 10+00.00 WILSHIRE HEIGHTS DR.
N 611783.3570
E 2296155.5840
Δ = 87°15′56″ LT.

SPIRAL S101SC9A
PIs 304+14.51
Ns 611,354.8066
Es 2,296,175.5658
θs 3° 22′ 30″
LT 150.03
ST 75.02
Ls 225.00

SPIRAL S101SC9B
PIs 298+82.29
Ns 611,533.2561
Es 2,295,675.5723
θs 3° 22′ 30″
LT 150.03
ST 75.02
Ls 225.00

STA. 303+07.97 S.R. 101 =
STA. 40+00.00 DARTMORE DR. (LT.)/SNEAD DR. (RT.)
N 611380.6690
E 2296072.2080
Δ = 93°46′19″ LT.
87°08′25″ RT.



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	33V
CONST	2016	STP-101(17)	33V

REV 04-14-15-ADDED SHEET.
REV 10-06-15-UPDATED PIPE INFO PER SURVEY REQ.
REV 06-27-16-ADDED SHEET.

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
4	CATCH BASIN FILTER ASSEMBLY (TYPE 4)	EC-STR-44
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47
8	CATCH BASIN FILTER ASSEMBLY (TYPE 8)	EC-STR-48

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-40	1.95	3.33
OUT-41	5.60	10.00
OUT-42	7.50	3.80
OUT-43	0.06	3.33
OUT-44	1.90	5.80
OUT-45	0.30	8.00

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT THE REMAINING WETLAND WILL NOT BE DISTURBED AND IS PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS.

PLAN NOTES:

1. PLACE EPSC MEASURE AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE OF PROJECT AS DIRECTED BY T.D.O.T SUPERVISOR.

EPSC-STAGE 2= TRAFFIC CONTROL PHASE

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 296+00 TO STA. 309+00
SCALE: 1"= 50'

PROPOSED CURVE DATA

S.R. 101	SNEAD DRIVE	SNEAD DRIVE	DARTMORE DRIVE	WILSHIRE HEIGHTS DR.	GILFORD TERRACE
PI 301+51.12	PI 41+56.07	PI 46+74.30	PI 35+96.97	PI 11+22.67	PI 34+08.37
N 611,403.9510	N 611,228.0040	N 610,846.9740	N 611,776.6480	N 611,755.2970	N 610,971.0890
E 2,295,911.2643	E 2,296,039.7740	E 2,296,405.2530	E 2,296,149.7670	E 2,296,274.9970	E 2,296,422.9970
Δs 18° 13′ 00″ (LT)	Δ 55° 48′ 03″ (LT)	Δ 19° 36′ 49″ (RT)	Δ 11° 26′ 22″ (LT)	Δ 3° 31′ 39″ (LT)	Δ 3° 00′ 33″ (RT)
θs 3° 22′ 30″	D 50° 00′ 00″	D 5° 30′ 00″	D 8° 00′ 00″	D 2° 00′ 00″	D 6° 00′ 00″
Δc 11° 28′ 00″ (LT)	R 114.59	R 1,041.74	R 716.20	R 2,864.79	R 954.93
Dc 3° 00′ 00″	L 111.60	L 356.61	L 142.99	L 176.37	L 50.15
Rc 1,909.86	T 60.67	T 180.07	T 71.74	T 88.22	T 25.08
Lc 382.22	SE 0.079 FT/FT	SE 0.041 FT/FT	SE 0.053 FT/FT	SE NC	SE 0.043 FT/FT
Ts 418.86	DESIGN SPEED 20 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 15 MPH	DESIGN SPEED 30 MPH
Ls 225.00	RUNOFF 95.4′ (100% INSIDE)		RUNOFF 61′ (100% INSIDE)		
SE 0.038 FT/FT					
DESIGN SPEED 40 MPH					

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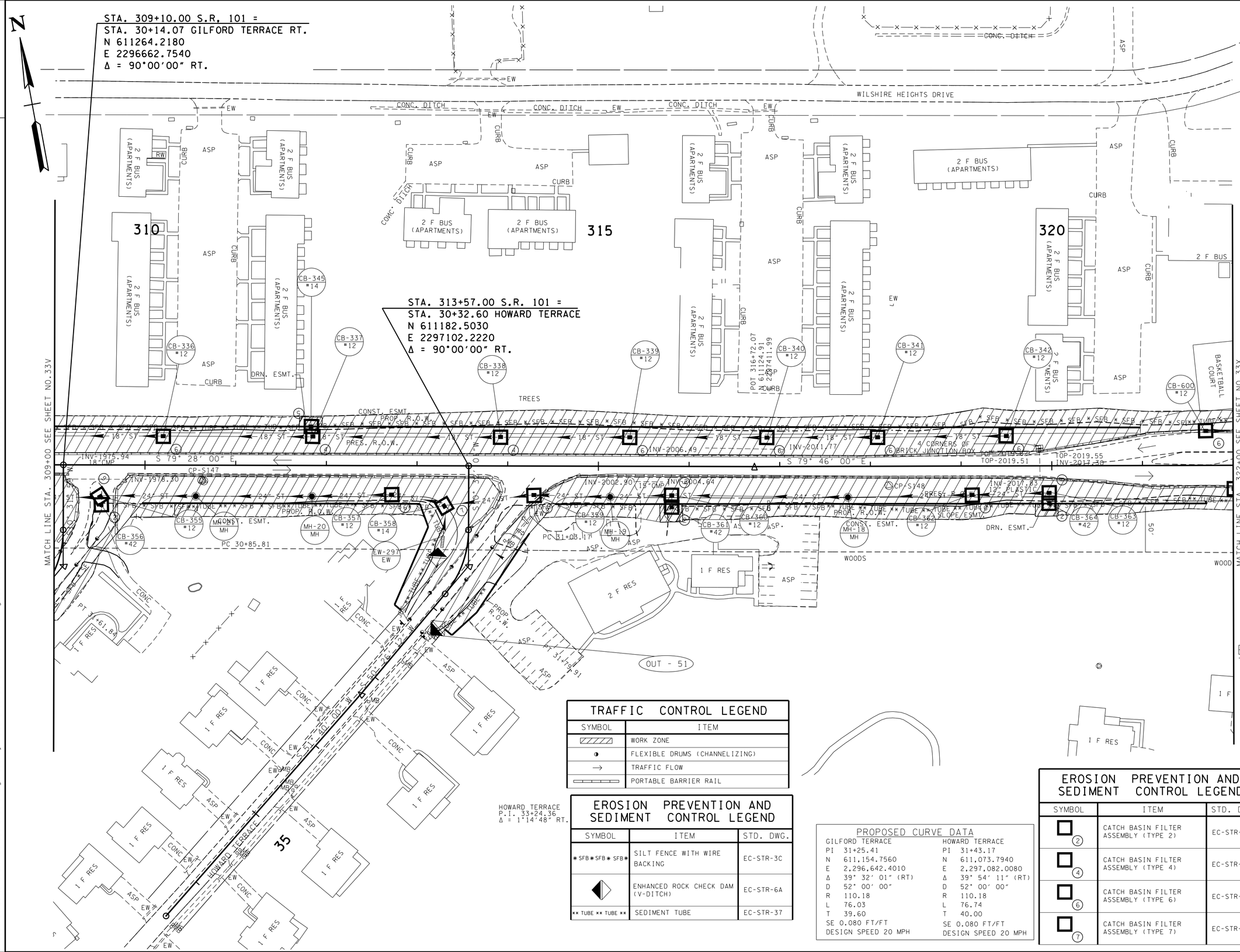
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	33W
CONST	2016	STP-101(17)	33W

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.



OUTFALL	AREA (AC.)	SLOPE (%)
OUT-51	0.45	4.00

PLAN NOTES:

1. PLACE EPSC MEASURE AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE OF PROJECT AS DIRECTED BY T.D.O.T SUPERVISOR.

EPSC-STAGE 2=
TRAFFIC CONTROL PHASE 1

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 309+00 TO STA. 322+00
SCALE: 1"= 50'

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL

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
✱✱ TUBE ✱✱ TUBE ✱✱	SEDIMENT TUBE	EC-STR-37

PROPOSED CURVE DATA

GILFORD TERRACE		HOWARD TERRACE	
PI	31+25.41	PI	31+43.17
N	611,154.7560	N	611,073.7940
E	2,296,642.4010	E	2,297,082.0080
Δ	39° 32' 01" (RT)	Δ	39° 54' 11" (RT)
D	52° 00' 00"	D	52° 00' 00"
R	110.18	R	110.18
L	76.03	L	76.74
T	39.60	T	40.00
SE 0.080 FT/FT		SE 0.080 FT/FT	
DESIGN SPEED 20 MPH		DESIGN SPEED 20 MPH	

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
4	CATCH BASIN FILTER ASSEMBLY (TYPE 4)	EC-STR-44
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47

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

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-60	2.00	5.00

TRAFFIC CONTROL LEGEND

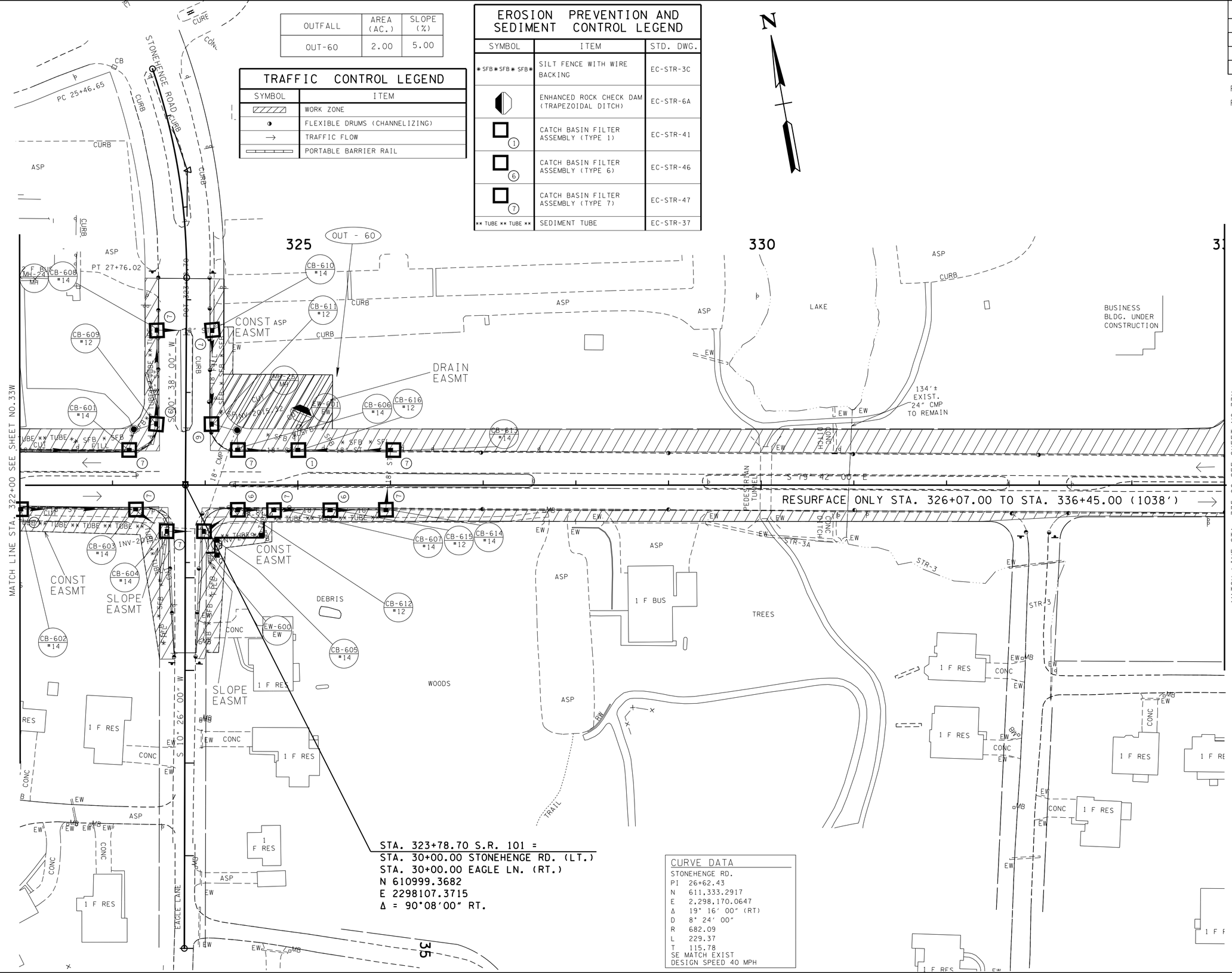
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL

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 (TRAPEZOIDAL DITCH)	EC-STR-6A
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
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	33X
CONST	2016	STP-101(17)	33X

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.



CURVE DATA

STONEHENGE RD.

PI	26+62.43
N	611,333.2917
E	2,298,170.0647
Δ	19° 16' 00" (RT)
D	8° 24' 00"
R	682.09
L	229.37
T	115.78

SE MATCH EXIST
DESIGN SPEED 40 MPH

PLAN NOTES:

1. PLACE EPSC MEASURE AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE OF PROJECT AS DIRECTED BY T.D.O.T SUPERVISOR.

EPSC-STAGE 2= TRAFFIC CONTROL PHASE 1

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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. 322+00 TO STA. 335+00
SCALE: 1"= 50'

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

REV. 08-24-15: REMOVED DRN EASMT, REVISED CONST EASMT AND SLOPE EASMT ON TRACT 124 PER ROW REQ.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	33Y
CONST	2016	STP-101(17)	33Y

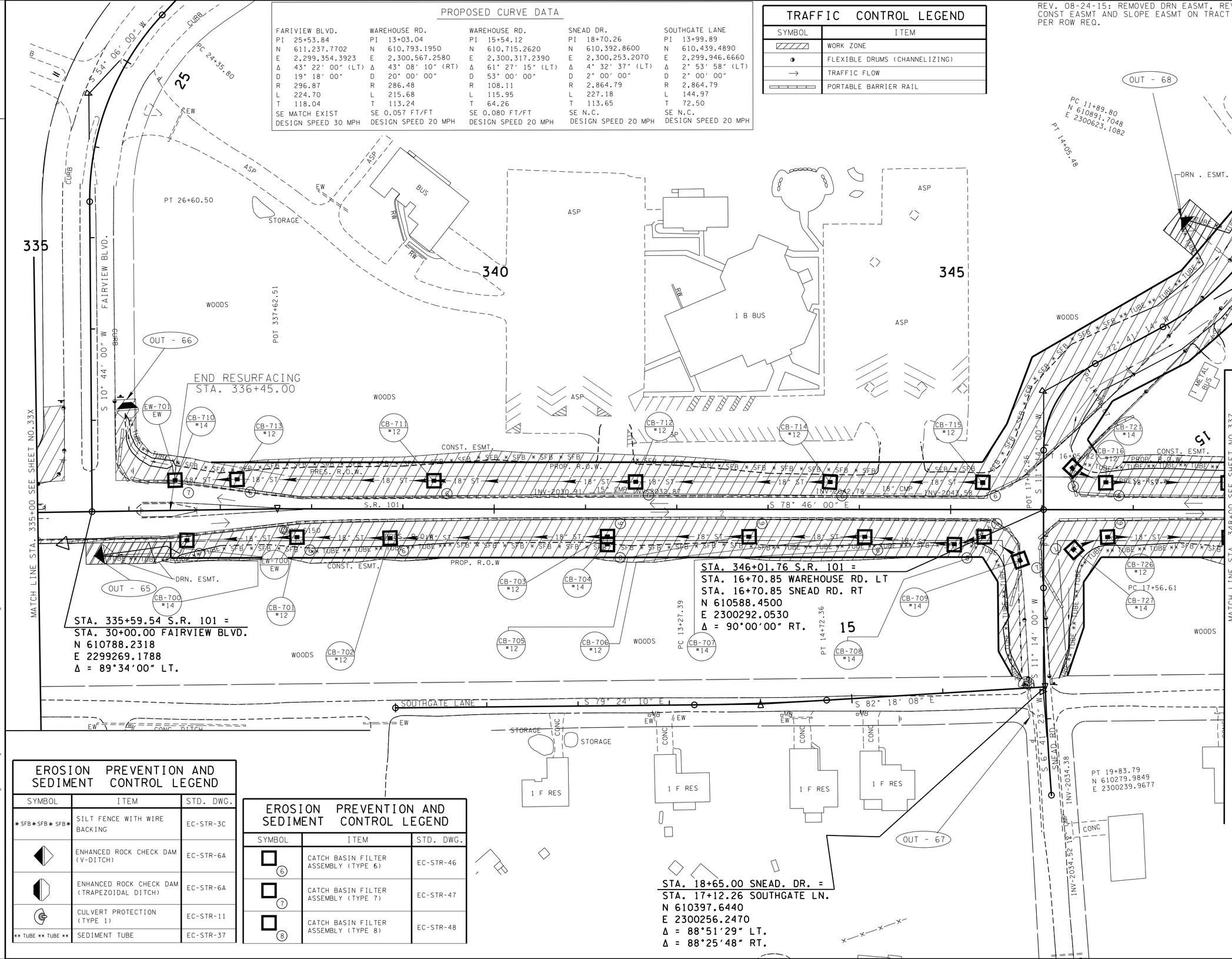
REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.

PROPOSED CURVE DATA

FARIVIEW BLVD.	WAREHOUSE RD.	WAREHOUSE RD.	SNEAD DR.	SOUTHGATE LANE
PI 25+53.84	PI 13+03.04	PI 15+54.12	PI 18+70.26	PI 13+99.89
N 611,237.7702	N 610,793.1950	N 610,715.2620	N 610,392.8600	N 610,439.4890
E 2,299,354.3923	E 2,300,567.2580	E 2,300,317.2390	E 2,300,253.2070	E 2,299,946.6660
Δ 43° 22′ 00″ (LT)	Δ 43° 08′ 10″ (RT)	Δ 61° 27′ 15″ (LT)	Δ 4° 32′ 37″ (LT)	Δ 2° 53′ 58″ (LT)
D 19° 18′ 00″	D 20° 00′ 00″	D 53° 00′ 00″	D 2° 00′ 00″	D 2° 00′ 00″
R 296.87	R 286.48	R 108.11	R 2,864.79	R 2,864.79
L 224.70	L 215.68	L 115.95	L 227.18	L 144.97
T 118.04	T 113.24	T 64.26	T 113.65	T 72.50
SE MATCH EXIST	SE 0.057 FT/FT	SE 0.080 FT/FT	SE N.C.	SE N.C.
DESIGN SPEED 30 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL



OUTFALL	AREA (AC.)	SLOPE (%)
OUT-65	2.72	5.00
OUT-66	0.80	4.00
OUT-67	0.44	0.5
OUT-68	0.87	0.50

PLAN NOTES:

1. PLACE EPSC MEASURE AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE OF PROJECT AS DIRECTED BY T.D.O.T SUPERVISOR.

EPSC-STAGE 2= TRAFFIC CONTROL PHASE 1

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
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
** 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
8	CATCH BASIN FILTER ASSEMBLY (TYPE 8)	EC-STR-48

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CONSTRUCTABILITY FIELD REVIEW

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. 335+00 TO STA. 348+00
SCALE: 1"= 50'

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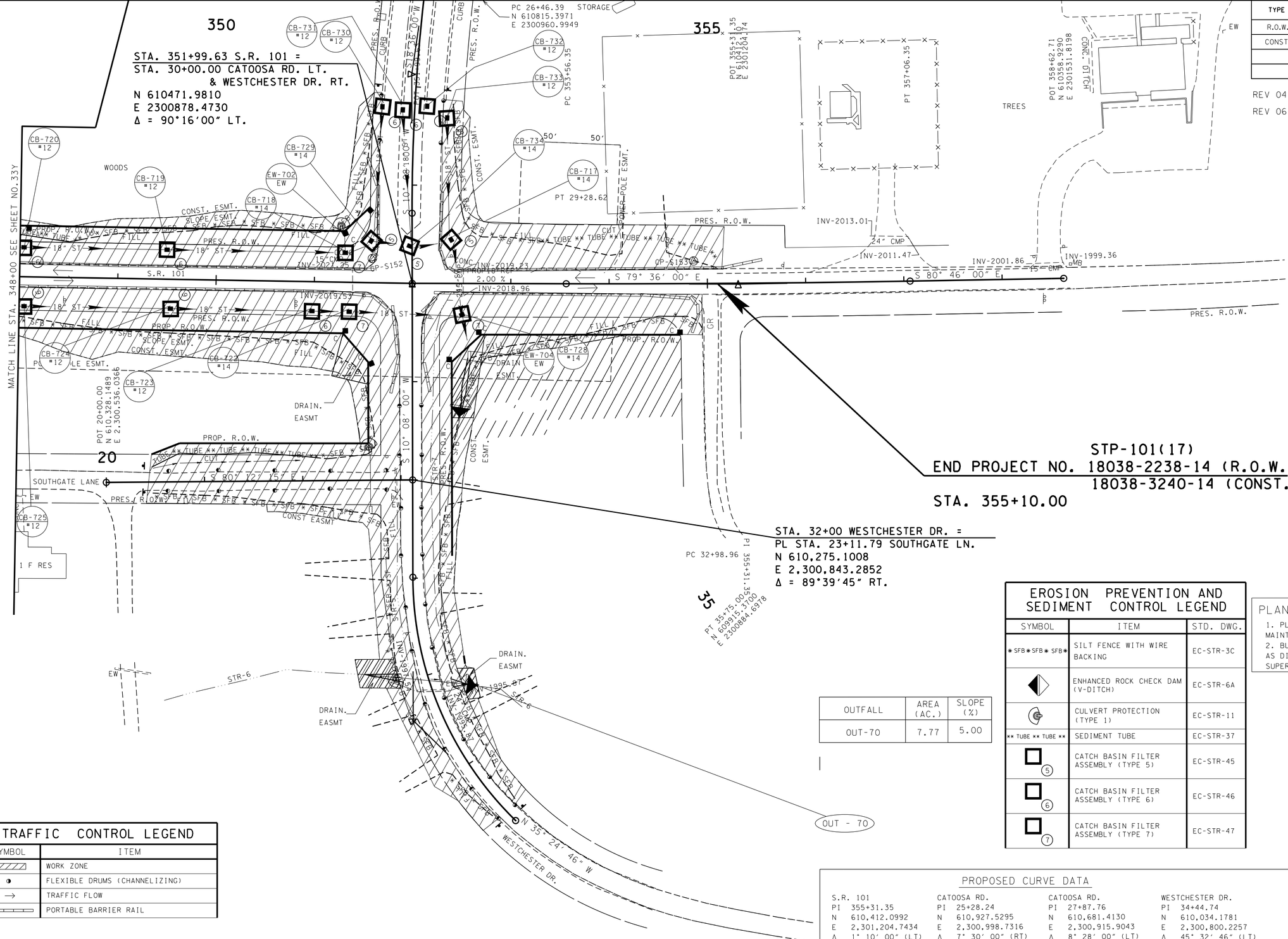
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	33Z
CONST	2016	STP-101(17)	33Z

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.



OUTFALL	AREA (AC.)	SLOPE (%)
OUT-70	7.77	5.00

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
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
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

PLAN NOTES:

1. PLACE EPSC MEASURE AND MAINTAIN TRAFFIC ON EXIST. ROADWAY.
2. BUILD IN WORK ZONE OF PROJECT AS DIRECTED BY T.D.O.T SUPERVISOR.

EPSC-STAGE 2= TRAFFIC CONTROL PHASE 1

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL

PROPOSED CURVE DATA

	S.R. 101	CATOOSA RD.	CATOOSA RD.	WESTCHESTER DR.
PI	355+31.35	25+28.24	27+87.76	34+44.74
N	610,412.0992	610,927.5295	610,681.4130	610,034.1781
E	2,301,204.7434	2,300,998.7316	2,300,915.9043	2,300,800.2257
Δ	1° 10' 00" (LT)	7° 30' 00" (RT)	8° 28' 00" (LT)	45° 32' 46" (LT)
D	0° 20' 00"	7° 00' 00"	3° 00' 00"	16° 30' 00"
R	17,188.73	818.51	1,909.86	347.25
L	350.00	107.14	282.22	276.04
T	175.01	53.65	141.37	145.78
	SE N.C.	SE 0.028 FT/FT	SE R.C.	SE 0.075 FT/FT
	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 30 MPH
				RUNOFF 101.3' (14% OUTSIDE 89% INSIDE)

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CONSTRUCTABILITY FIELD REVIEW

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. 348+00 TO STA. 358+00

SCALE: 1"= 50'

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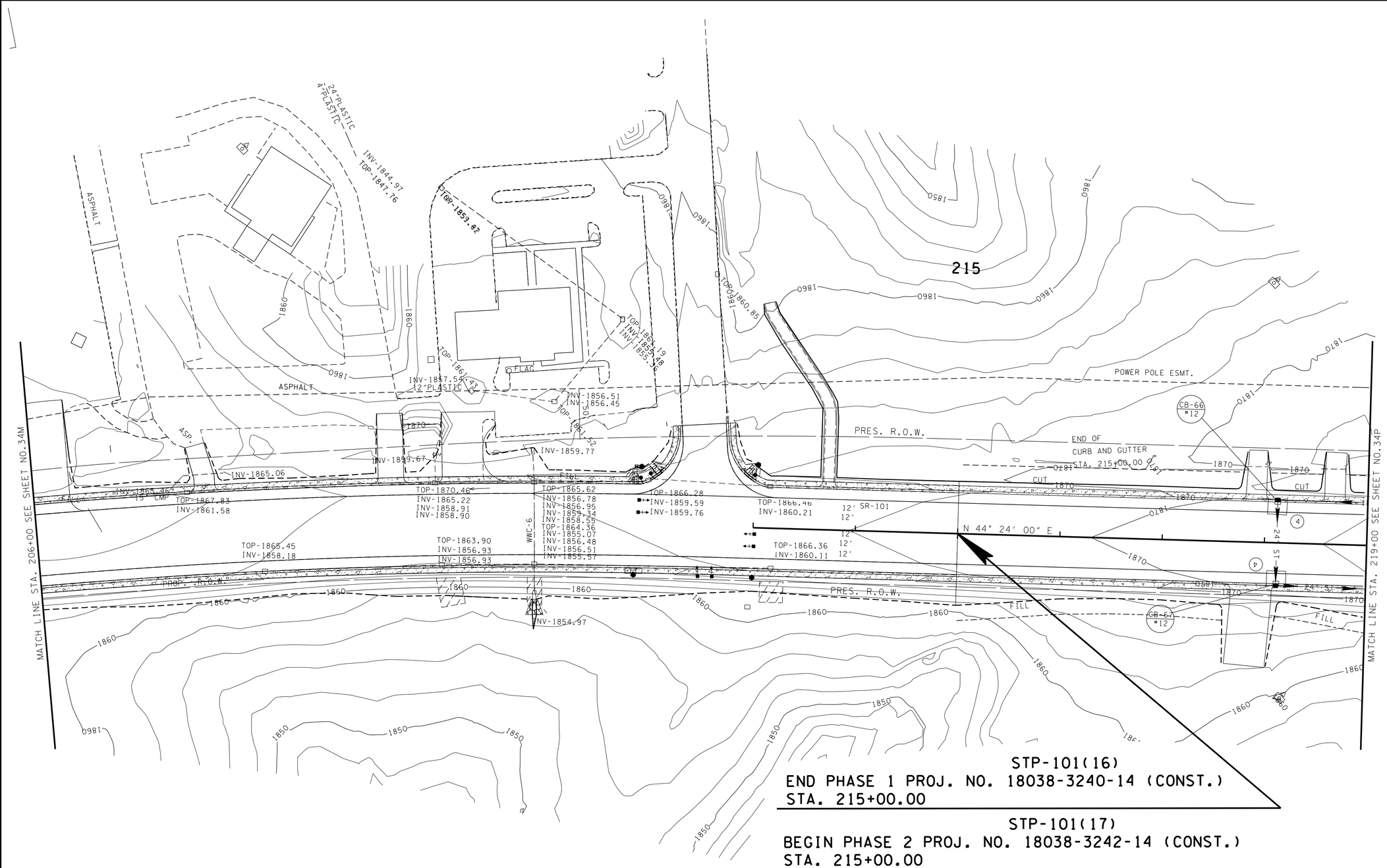
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	34N
CONST.	2016	STP-101(17)	34N

REV 04-14-15-ADDED SHEET.

REV 06-27-16-ADDED SHEET.



STP-101(16)
END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STA. 215+00.00

STP-101(17)
BEGIN PHASE 2 PROJ. NO. 18038-3242-14 (CONST.)
STA. 215+00.00

PLAN NOTES
1. PLACE EPSC MEASURES.
2. FINISH PROP RDY.

EPSC-STAGE 3=
TRAFFIC CONTROL
PHASE 2
PROPOSED CONTOURS
SHOWN

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
(4)	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

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CONSTRUCTABILITY
FIELD
REVIEW

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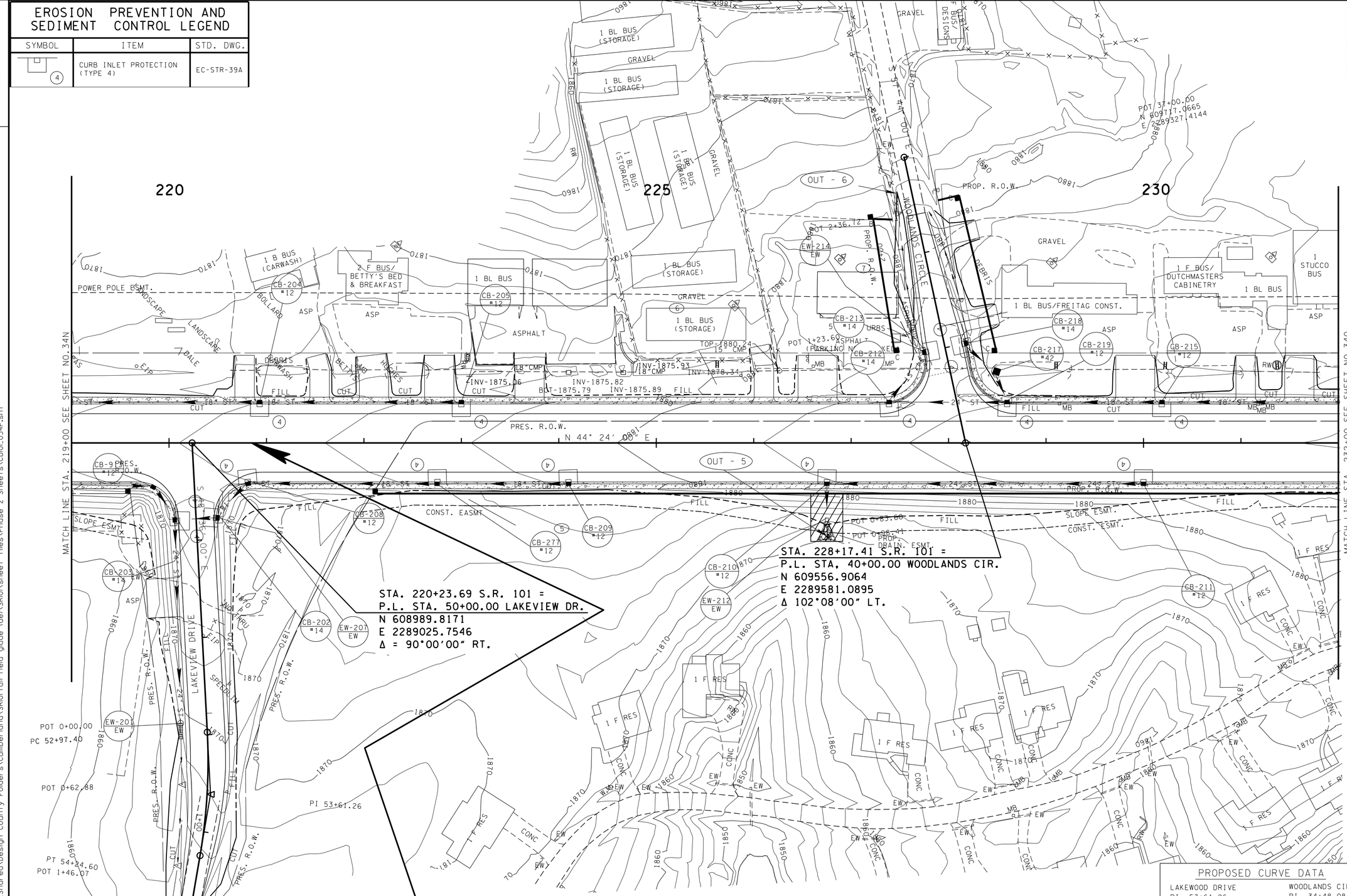
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	34P
CONST.	2016	STP-101(17)	34P

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.



STP-101(16)
END PHASE 1 PROJ. NO. 18038-2237-14 (R.O.W.)
BEGIN PHASE 2 PROJ. NO. 18038-2238-14 (R.O.W.)STP-101(17)
STA. 220+85.00

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-3	2.27	2.50
OUT-4	0.97	2.50
OUT-5	0.73	8.80
OUT-6	2.71	5.70

PLAN NOTES
1. PLACE EPSC MEASURES.
2. FINISH PROP RDY.

EPSC-STAGE 3=
TRAFFIC CONTROL
PHASE 2
PROPOSED CONTOURS
SHOWN

SEALED BY

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 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		SE NC	
DESIGN SPEED 30 MPH		DESIGN SPEED 25 MPH	
TRANS. LENGTH 100'			

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 219+00 TO STA. 232+00

SCALE: 1"= 50'

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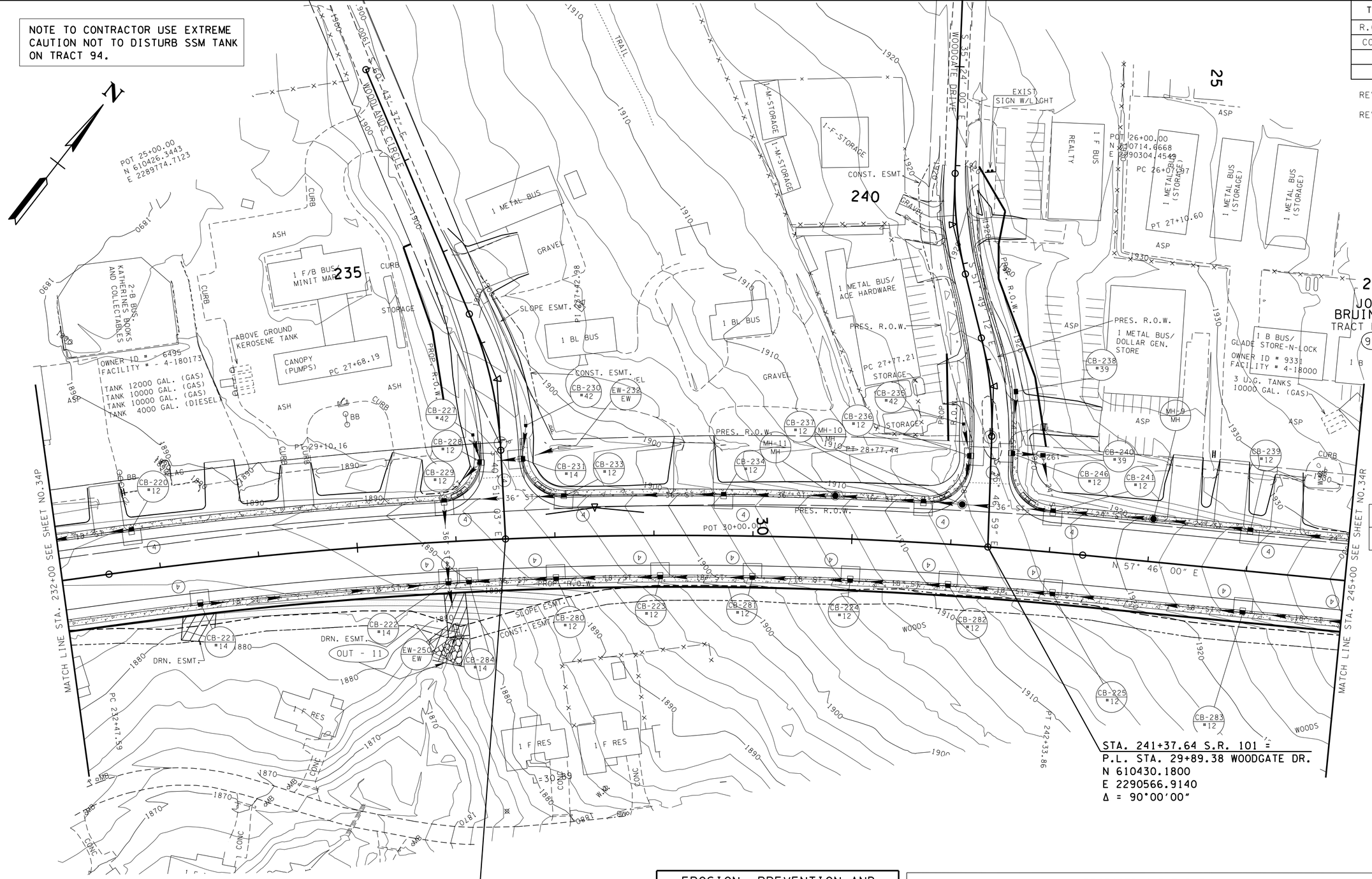
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	340
CONST	2016	STP-101(17)	340

REV 04-14-15-ADDED SHEET.

REV 06-27-16-ADDED SHEET.

NOTE TO CONTRACTOR USE EXTREME CAUTION NOT TO DISTURB SSM TANK ON TRACT 94.



STA. 236+50.00 S.R. 101 =
P.L. STA. 30+00.00 WOODLANDS CIR.
N 610137.9501
E 2290176.8693
Δ = 90°00'00" LT.

STA. 241+37.64 S.R. 101 =
P.L. STA. 29+89.38 WOODGATE DR.
N 610430.1800
E 2290566.9140
Δ = 90°00'00"

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-11	22.59	3.90

PLAN NOTES
1. PLACE EPSC MEASURES.
2. FINISH PROP RDY.

EPSC-STAGE 3= TRAFFIC CONTROL PHASE 2 PROPOSED CONTOURS SHOWN

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
(4)	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

PROPOSED CURVE DATA

S.R. 101	WOODLANDS CIRCLE	WOODGATE DRIVE	WOODGATE DRIVE
PI 237+42.98	PI 28+39.90	PI 26+59.64	PI 28+27.65
N 610,218.1998	N 610,260.1430	N 610,666.2060	N 610,561.9150
E 2,290,228.6759	E 2,290,071.2060	E 2,290,339.3380	E 2,290,471.9630
Δ 13° 22′ 00″ (RT)	Δ 19° 52′ 34″ (RT)	Δ 16° 25′ 12″ (LT)	Δ 16° 02′ 13″ (R
D 1° 21′ 19″	D 14° 00′ 00″	D 16° 00′ 00″	D 16° 00′ 00″
R 4,227.60	R 409.26	R 358.10	R 358.10
L 986.27	L 141.97	L 102.62	L 100.23
T 495.38	T 71.71	T 51.67	T 50.44
SE 0.028 FT/FT	SE 0.047 FT/FT	SE 0.051 FT/FT	SE 0.051 FT/FT
DESIGN SPEED 50 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 M
RUNOFF 175′ (50% INSIDE 50% OUTSIDE)	RUNOFF 110′ (50% INSIDE)		

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CONSTRUCTABILITY FIELD REVIEW

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATIO

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 232+00 TO STA. 245+00
SCALE: 1"= 50'

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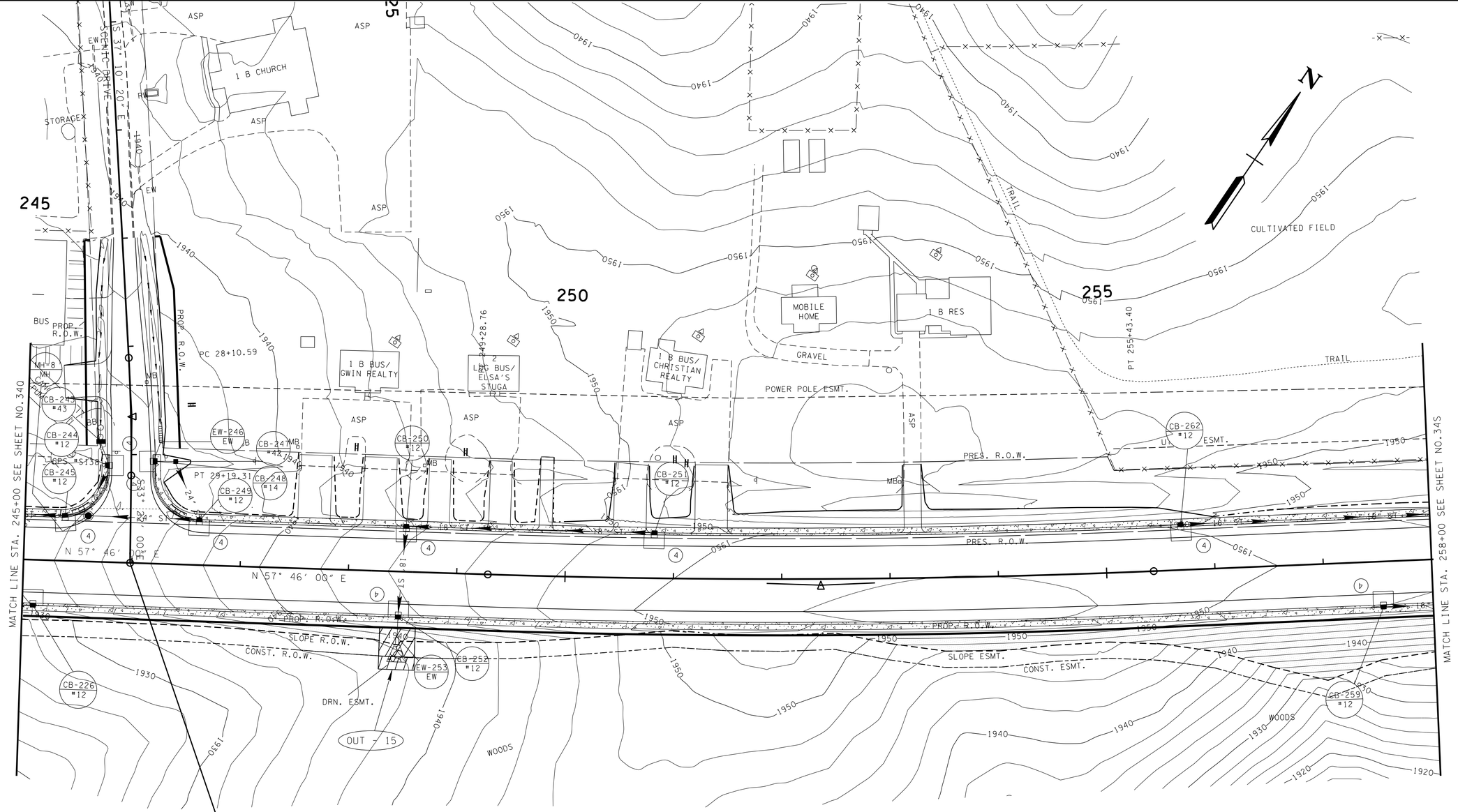
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	34R
CONST	2016	STP-101(17)	34R

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.



STA. 245+98.39 S.R.101 =
P.L. STA. 29+99.99 SCENIC DRIVE
N 610676.8510
E 2290956.0630
Δ = 90°00'00"

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-15	1.28	3.50

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

PROPOSED CURVE DATA

S.R. 101		SCENIC DRIVE	
PI	252+36.22	PI	28+64.97
N	611,017.0496	N	610,789.6506
E	2,291,495.5929	E	2,290,881.7791
Δ	4° 16' 02" (LT)	Δ	3° 48' 19" (RT)
D	0° 41' 39"	D	3° 30' 00"
R	8,253.89	R	1,637.02
L	614.65	L	108.72
T	307.47	T	54.38
SE R.C.		SE 0.028 FT/FT	
DESIGN SPEED 50 MPH		DESIGN SPEED 30 MPH	
		RUNOFF 100' (50% INSIDE)	

PLAN NOTES
1. PLACE EPSC MEASURES.
2. FINISH PROP RDY.

EPSC-STAGE 3=
TRAFFIC CONTROL
PHASE 1
PROPOSED CONTOURS
SHOWN

SEALED BY

CONSTRUCTABILITY
FIELD
REVIEW

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

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 245+00 TO STA. 258+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.	2011	STP-101(17)	34S
CONST	2016	STP-101(17)	34S

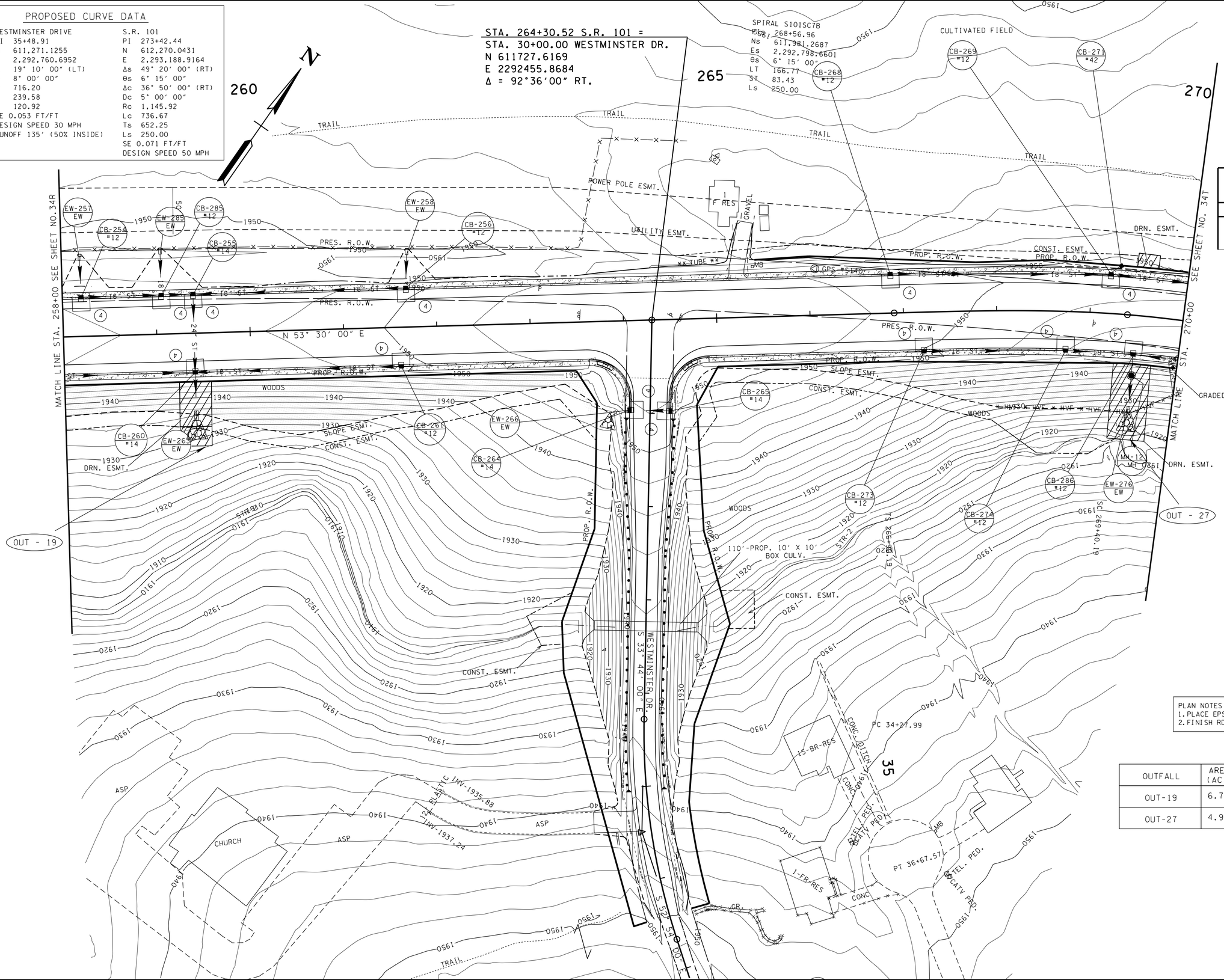
REV 04-14-15-ADDED SHEET.
REV 10-29-15-ADDED GRADED SOLID ROCK PER GEOTEC REQ.

PROPOSED CURVE DATA

WESTMINSTER DRIVE	S.R. 101
PI 35+48.91	PI 273+42.44
N 611,271.1255	N 612,270.0431
E 2,292,760.6952	E 2,293,188.9164
Δ 19° 10′ 00″ (LT)	Δs 49° 20′ 00″ (RT)
D 8° 00′ 00″	θs 6° 15′ 00″
R 716.20	Δc 36° 50′ 00″ (RT)
L 239.58	Dc 5° 00′ 00″
T 120.92	Rc 1,145.92
SE 0.053 FT/FT	Lc 736.67
DESIGN SPEED 30 MPH	Ts 652.25
RUNOFF 135′ (50% INSIDE)	Ls 250.00
	SE 0.071 FT/FT
	DESIGN SPEED 50 MPH

STA. 264+30.52 S.R. 101 =
STA. 30+00.00 WESTMINSTER DR.
N 611727.6169
E 2292455.8684
Δ = 92°36′00″ RT.

SPIRAL S101SC7B
PCS 268+56.96
Ns 611,981.2687
Es 2,292,798.6601
θs 6° 15′ 00″
LT
LT 166.77
ST 83.43
Ls 250.00



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
(4)	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

EPSC-STAGE 3=
TRAFFIC CONTROL
PHASE 2
PROPOSED CONTOURS
SHOWN

PLAN NOTES
1. PLACE EPSC MEASURES.
2. FINISH RDY.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-19	6.74	4.00
OUT-27	4.97	8.00

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CONSTRUCTABILITY FIELD REVIEW

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. 258+00 TO STA. 270+00
SCALE: 1″= 50′

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

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-31	0.27	2.70
OUT-32	0.22	2.19

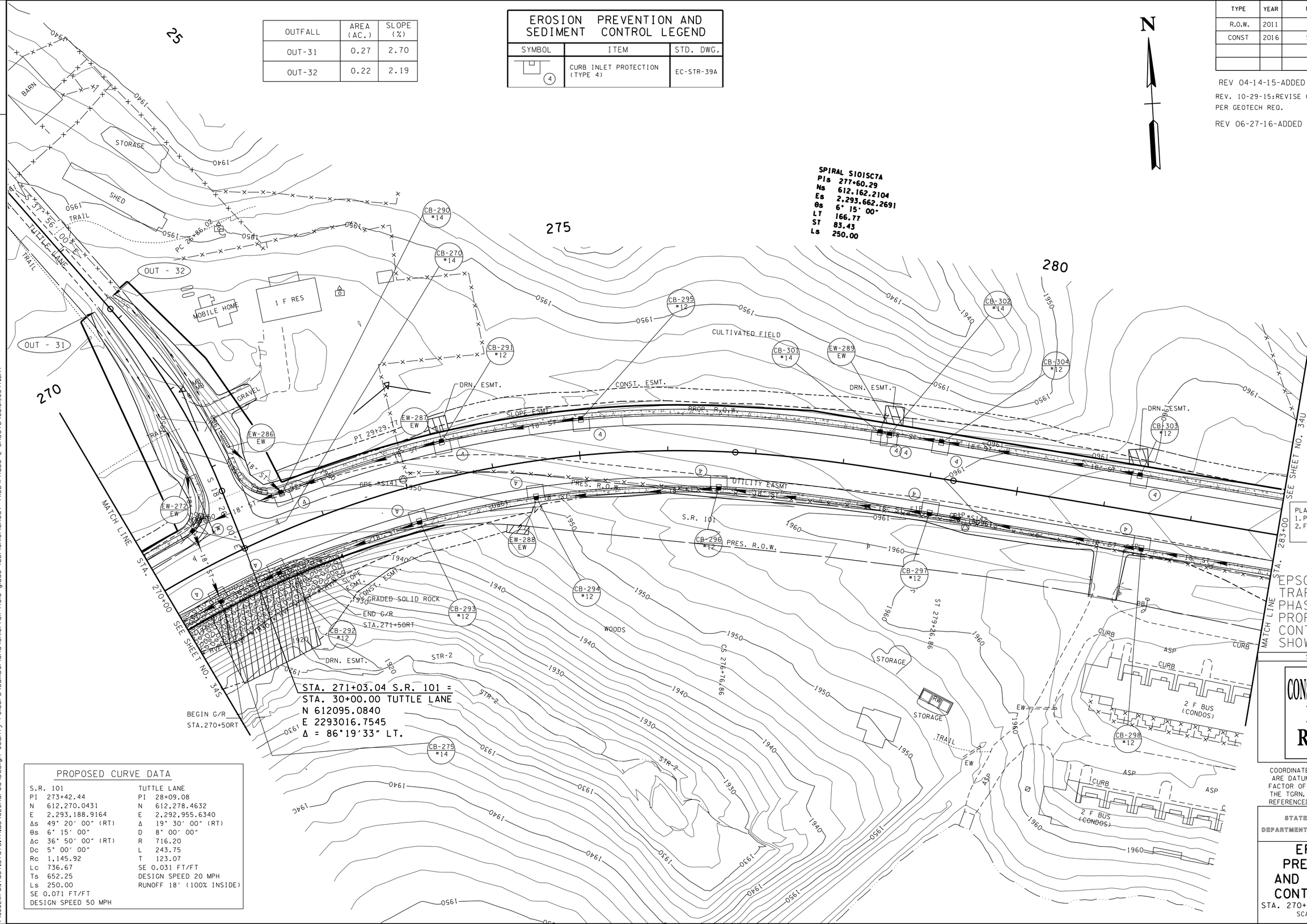
EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
(4)	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	34T
CONST	2016	STP-101(17)	34T

REV 04-14-15-ADDED SHEET.

REV. 10-29-15:REVISE GRADED SOLID ROCK PER GEOTECH REQ.

REV 06-27-16-ADDED SHEET.



PLAN NOTES
1. PLACE EPSC MEASURES.
2. FINISH RDY.

EPSC-STAGE 3=
TRAFFIC CONTRO
PHASE 2
PROPOSED
CONTOURS
SHOWN

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CONSTRUCTABILITY FIELD REVIEW

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. 270+00 TO STA. 283+00

SCALE: 1"= 50'

PROPOSED CURVE DATA

S.R. 101	TUTTLE LANE
PI 273+42.44	PI 28+09.08
N 612,270.0431	N 612,278.4632
E 2,293,188.9164	E 2,292,955.6340
Δs 49° 20' 00" (RT)	Δ 19° 30' 00" (RT)
θs 6° 15' 00"	D 8° 00' 00"
Δc 36° 50' 00" (RT)	R 716.20
Dc 5° 00' 00"	L 243.75
Rc 1,145.92	T 123.07
Lc 736.67	SE 0.031 FT/FT
Ts 652.25	DESIGN SPEED 20 MPH
Ls 250.00	RUNOFF 18' (100% INSIDE)
SE 0.071 FT/FT	
DESIGN SPEED 50 MPH	

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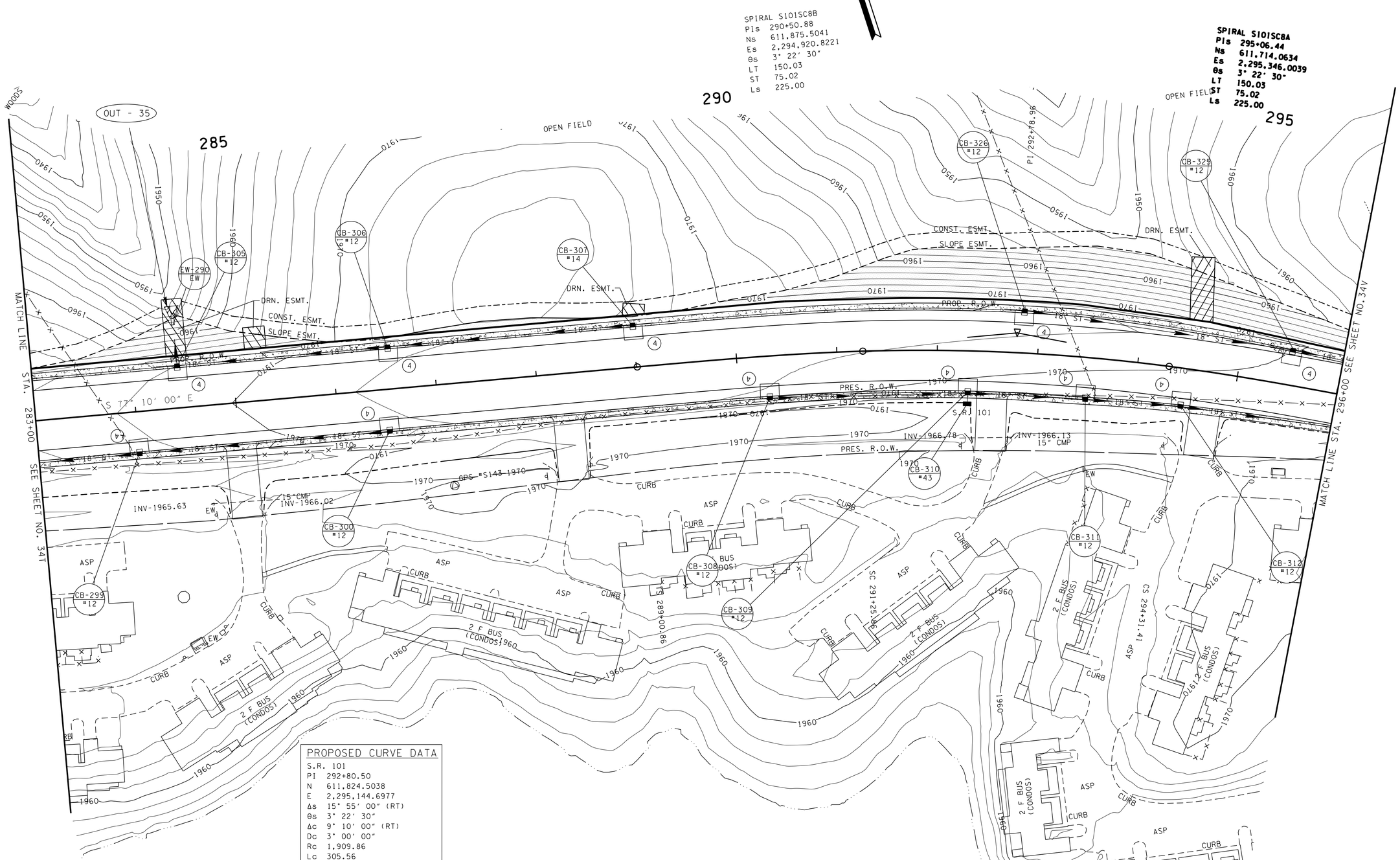
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-35	0.61	1.42

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
(4)	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	34U
CONST	2016	STP-101(17)	34U

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.



PROPOSED CURVE DATA

S.R.	101
PI	292+80.50
N	611,824.5038
E	2,295,144.6977
Δs	15° 55′ 00″ (RT)
θs	3° 22′ 30″
Δc	9° 10′ 00″ (RT)
Dc	3° 00′ 00″
Rc	1,909.86
Lc	305.56
Ts	379.64
Ls	225.00
SE	0.053 FT/FT
DESIGN SPEED	50 MPH

PLAN NOTES
1. PLACE EPSC MEASURES.
2. FINISH RDY.

EPSC-STAGE 3= TRAFFIC CONTROL PHASE 2 PROPOSED CONTOURS SHOWN

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CONSTRUCTABILITY FIELD REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 283+00 TO STA. 296+00
SCALE: 1"= 50′

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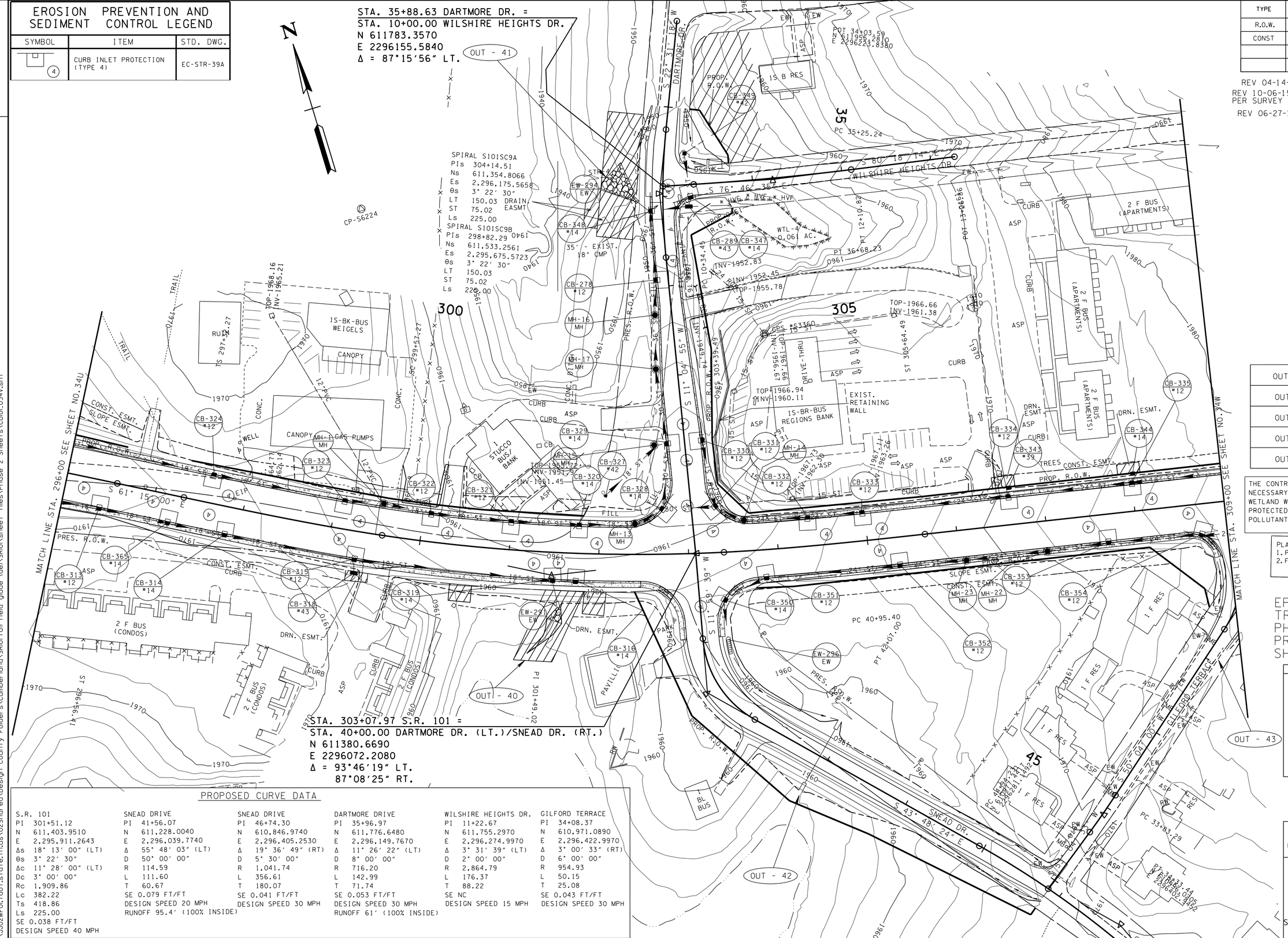
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	34V
CONST	2016	STP-101(17)	34V

REV 04-14-15-ADDED SHEET.
REV 10-06-15-UPDATED PIPE INFO PER SURVEY REQ.
REV 06-27-16-ADDED SHEET.



OUTFALL	AREA (AC.)	SLOPE (%)
OUT-40	1.95	3.33
OUT-41	5.60	10.00
OUT-42	7.50	3.80
OUT-43	0.06	3.33

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT THE REMAINING WETLAND WILL NOT BE DISTURBED AND IS PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS.

PLAN NOTES
1. PLACE EPSC MEASURES.
2. FINISH RDY.

EPSC-STAGE 3=
TRAFFIC CONTROL
PHASE 2
PROPOSED CONTOURS
SHOWN

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CONSTRUCTABILITY
FIELD
REVIEW

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 296+00 TO STA. 309+00
SCALE: 1"= 50'

PROPOSED CURVE DATA

S.R. 101	SNEAD DRIVE	SNEAD DRIVE	DARTMORE DRIVE	WILSHIRE HEIGHTS DR.	GILFORD TERRACE
PI 301+51.12	PI 41+56.07	PI 46+74.30	PI 35+96.97	PI 11+22.67	PI 34+08.37
N 611,403.9510	N 611,228.0040	N 610,846.9740	N 611,776.6480	N 611,755.2970	N 610,971.0890
E 2,295,911.2643	E 2,296,039.7740	E 2,296,405.2530	E 2,296,149.7670	E 2,296,274.9970	E 2,296,422.9970
Δs 18° 13' 00" (LT)	Δ 55° 48' 03" (LT)	Δ 19° 36' 49" (RT)	Δ 11° 26' 22" (LT)	Δ 3° 31' 39" (LT)	Δ 3° 00' 33" (RT)
θs 3° 22' 30"	D 50° 00' 00"	D 5° 30' 00"	D 8° 00' 00"	D 2° 00' 00"	D 6° 00' 00"
Δc 11° 28' 00" (LT)	R 114.59	R 1,041.74	R 716.20	R 2,864.79	R 954.93
Dc 3° 00' 00"	L 111.60	L 356.61	L 142.99	L 176.37	L 50.15
Rc 1,909.86	T 60.67	T 180.07	T 71.74	T 88.22	T 25.08
Lc 382.22	SE 0.079 FT/FT	SE 0.041 FT/FT	SE 0.053 FT/FT	SE NC	SE 0.043 FT/FT
Ts 418.86	DESIGN SPEED 20 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 15 MPH	DESIGN SPEED 30 MPH
Ls 225.00	RUNOFF 95.4' (100% INSIDE)		RUNOFF 61' (100% INSIDE)		
SE 0.038 FT/FT					
DESIGN SPEED 40 MPH					

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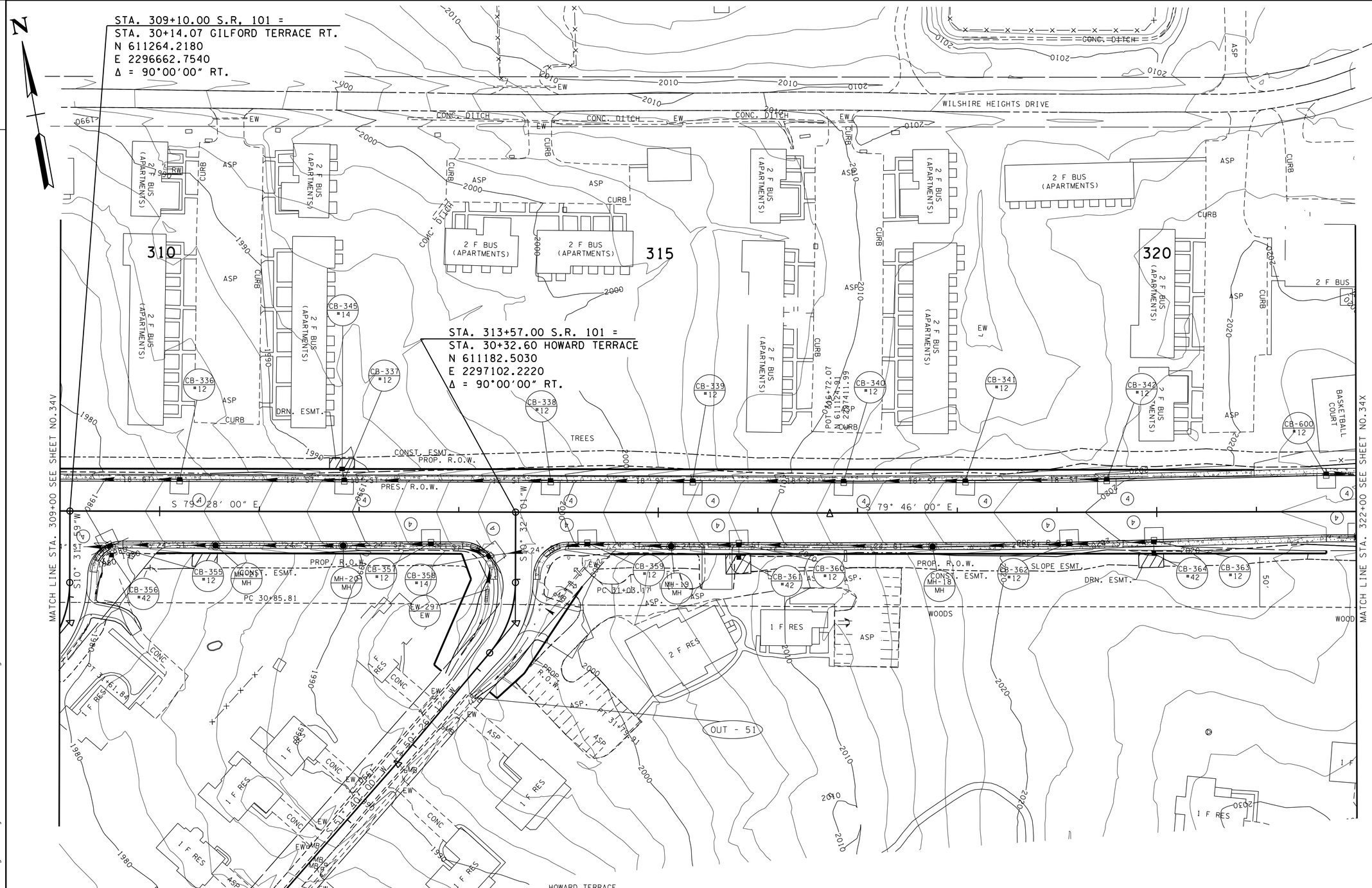
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	34W
CONST	2016	STP-101(17)	34W

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.



OUTFALL	AREA (AC.)	SLOPE (%)
OUT-51	0.45	4.00

PLAN NOTES
1. PLACE EPSC MEASURES.
2. FINISH RDY.

EPSC-STAGE 3= TRAFFIC CONTROL PHASE 2 PROPOSED CONTOURS SHOWN

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED CURVE DATA

GILFORD TERRACE		HOWARD TERRACE	
PI	31+25.41	PI	31+43.17
N	611,154.7560	N	611,073.7940
E	2,296,642.4010	E	2,297,082.0080
Δ	39° 32' 01" (RT)	Δ	39° 54' 11" (RT)
D	52° 00' 00"	D	52° 00' 00"
R	110.18	R	110.18
L	76.03	L	76.74
T	39.60	T	40.00
SE 0.080 FT/FT		SE 0.080 FT/FT	
DESIGN SPEED 20 MPH		DESIGN SPEED 20 MPH	

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 309+00 TO STA. 322+00
SCALE: 1"= 50'

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

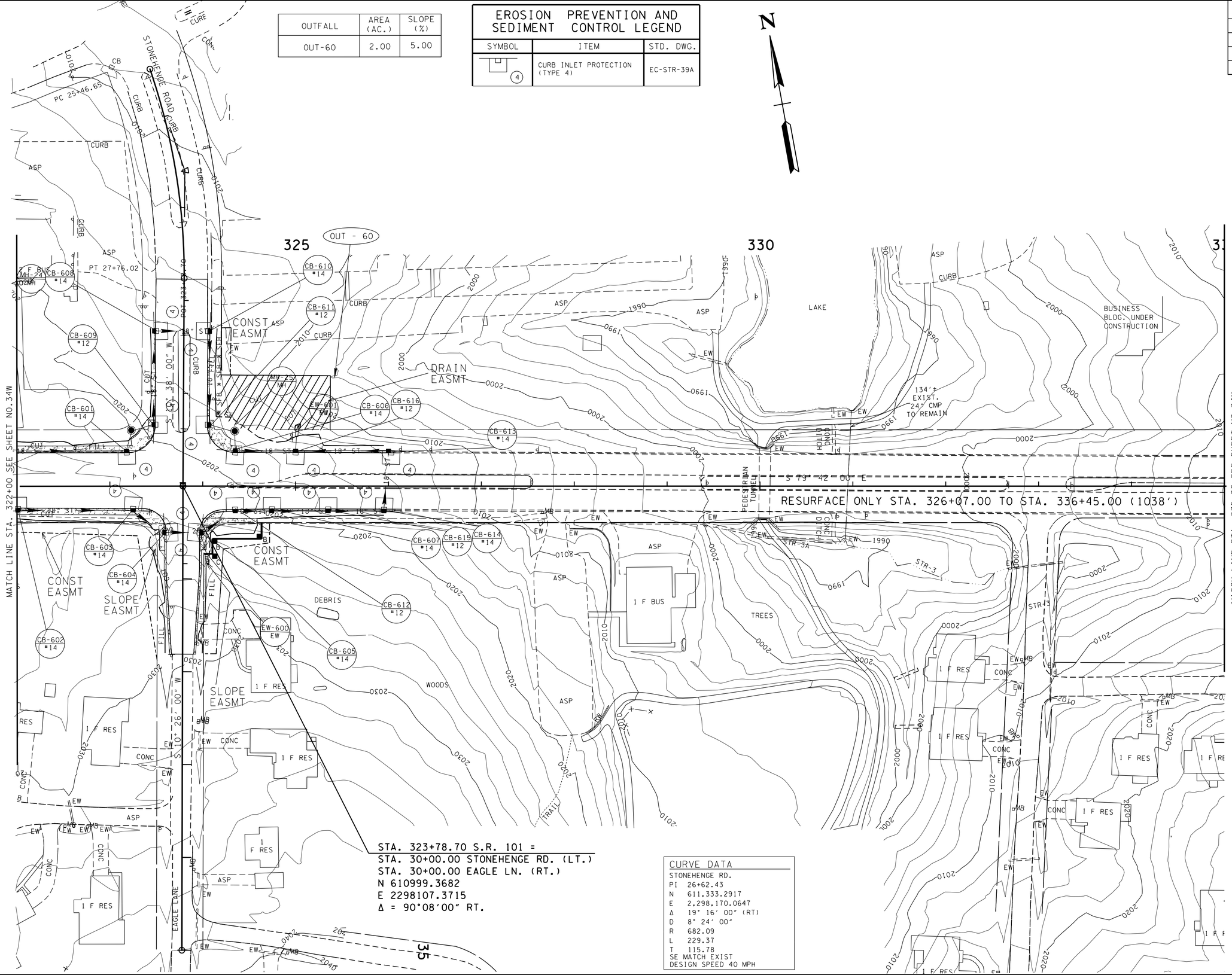
OUTFALL	AREA (AC.)	SLOPE (%)
OUT-60	2.00	5.00

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
(4)	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	34X
CONST	2016	STP-101(17)	34X

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.



CURVE DATA

STONEHENGE RD.

PI	26+62.43
N	611,333.2917
E	2,298,170.0647
Δ	19° 16' 00" (RT)
D	8° 24' 00"
R	682.09
L	229.37
T	115.78

SE MATCH EXIST
DESIGN SPEED 40 MPH

PLAN NOTES
1. PLACE EPSC MEASURES.
2. FINISH RDY.

EPSC-STAGE 3= TRAFFIC CONTROL PHASE 2 PROPOSED CONTOURS SHOWN

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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. 322+00 TO STA. 335+00
SCALE: 1"= 50'

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

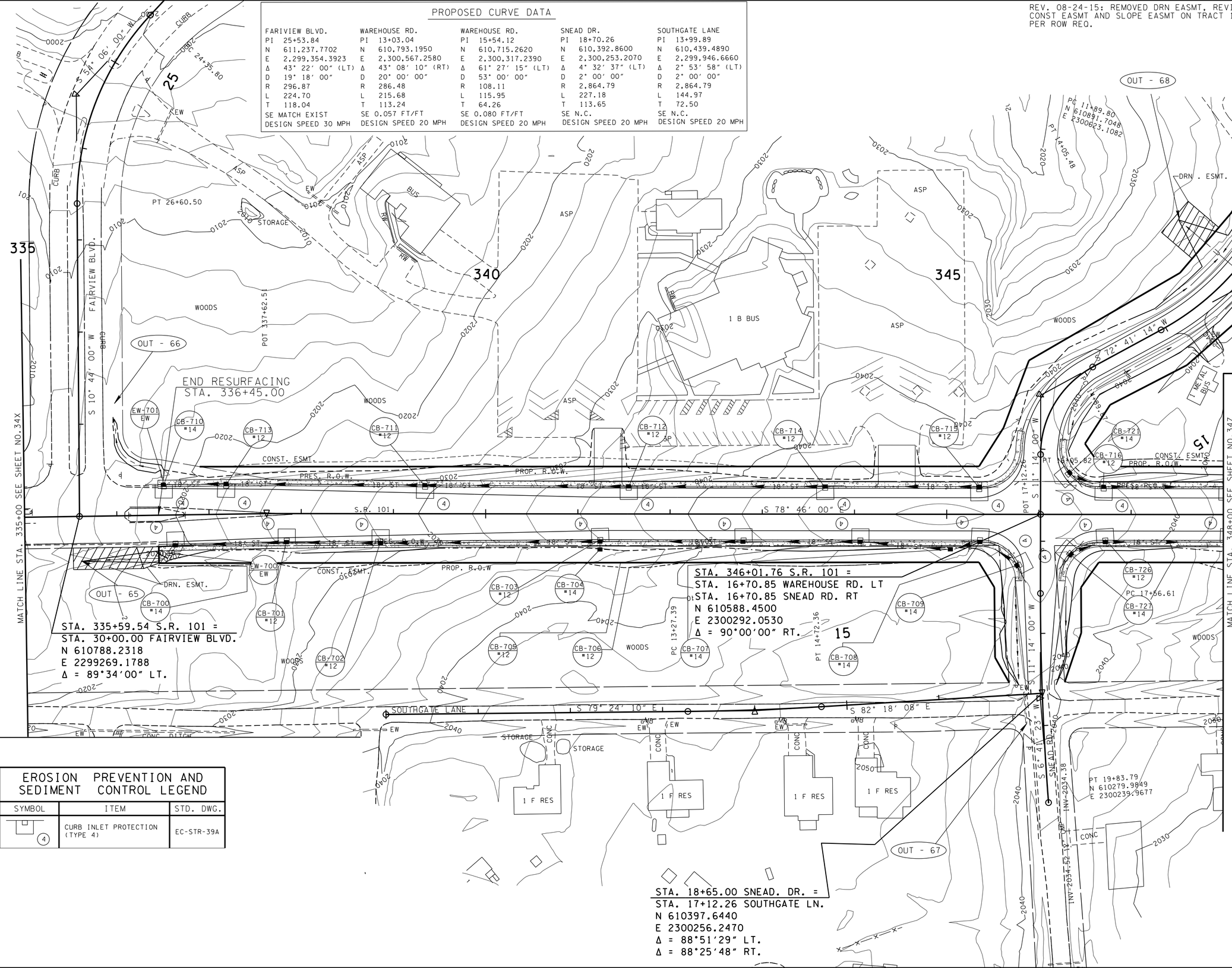
REV. 08-24-15: REMOVED DRN EASMT, REVISED CONST EASMT AND SLOPE EASMT ON TRACT 124 PER ROW REQ.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	34Y
CONST	2016	STP-101(17)	34Y

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.

PROPOSED CURVE DATA

FARIVIEW BLVD.	WAREHOUSE RD.	WAREHOUSE RD.	SNEAD DR.	SOUTHGATE LANE
PI 25+53.84	PI 13+03.04	PI 15+54.12	PI 18+70.26	PI 13+99.89
N 611,237.7702	N 610,793.1950	N 610,715.2620	N 610,392.8600	N 610,439.4890
E 2,299,354.3923	E 2,300,567.2580	E 2,300,317.2390	E 2,300,253.2070	E 2,299,946.6660
Δ 43° 22′ 00″ (LT)	Δ 43° 08′ 10″ (RT)	Δ 61° 27′ 15″ (LT)	Δ 4° 32′ 37″ (LT)	Δ 2° 53′ 58″ (LT)
D 19° 18′ 00″	D 20° 00′ 00″	D 53° 00′ 00″	D 2° 00′ 00″	D 2° 00′ 00″
R 296.87	R 286.48	R 108.11	R 2,864.79	R 2,864.79
L 224.70	L 215.68	L 115.95	L 227.18	L 144.97
T 118.04	T 113.24	T 64.26	T 113.65	T 72.50
SE MATCH EXIST	SE 0.057 FT/FT	SE 0.080 FT/FT	SE N.C.	SE N.C.
DESIGN SPEED 30 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH



OUTFALL	AREA (AC.)	SLOPE (%)
OUT-65	2.72	5.00
OUT-66	0.80	4.00
OUT-67	0.44	0.5
OUT-68	0.87	0.50

PLAN NOTES
1. PLACE EPSC MEASURES.
2. FINISH RDY.

EPSC-STAGE 3= TRAFFIC CONTROL PHASE 2 PROPOSED CONTOURS SHOWN

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
(4)	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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. 335+00 TO STA. 348+00
SCALE: 1"= 50'

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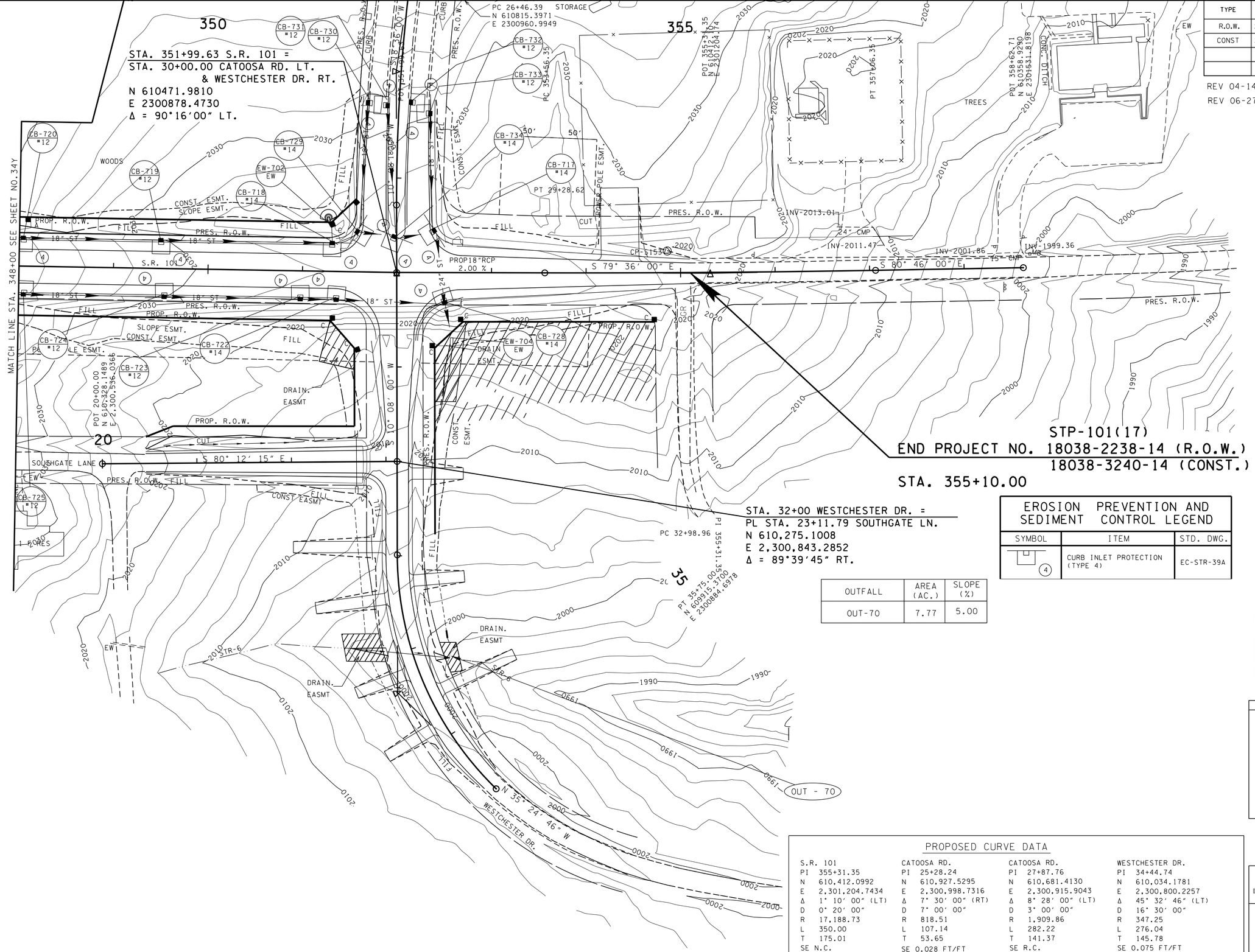
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	34Z
CONST	2016	STP-101(17)	34Z

REV 04-14-15-ADDED SHEET.
REV 06-27-16-ADDED SHEET.



STA. 32+00 WESTCHESTER DR. =
PL STA. 23+11.79 SOUTHGATE LN.
N 610,275.1008
E 2,300,843.2852
Δ = 89°39'45" RT.

OUTFALL	AREA (AC.)	SLOPE (%)
OUT-70	7.77	5.00

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
(4)	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

PLAN NOTES
1. PLACE EPSC MEASURES.
2. FINISH RDY.

EPSC-STAGE 3= TRAFFIC CONTROL PHASE 2 PROPOSED CONTOURS SHOWN

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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 CURVE DATA

S.R. 101	CATOOSA RD.	CATOOSA RD.	WESTCHESTER DR.
PI 355+31.35	PI 25+28.24	PI 27+87.76	PI 34+44.74
N 610,412.0992	N 610,927.5295	N 610,681.4130	N 610,034.1781
E 2,301,204.7434	E 2,300,998.7316	E 2,300,915.9043	E 2,300,800.2257
Δ 1° 10' 00" (LT)	Δ 7° 30' 00" (RT)	Δ 8° 28' 00" (LT)	Δ 45° 32' 46" (LT)
D 0° 20' 00"	D 7° 00' 00"	D 3° 00' 00"	D 16° 30' 00"
R 17,188.73	R 818.51	R 1,909.86	R 347.25
L 350.00	L 107.14	L 282.22	L 276.04
T 175.01	T 53.65	T 141.37	T 145.78
SE N.C.	SE 0.028 FT/FT	SE R.C.	SE 0.075 FT/FT
DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 30 MPH
			RUNOFF 101.3' (14% OUTSIDE 89% INSIDE)

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 348+00 TO STA. 358+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	STP-101(17)	35

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

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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CONSTRUCTABILITY FIELD REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	STP-101(17)	35A

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
3	(G20-1)	ROAD WORK NEXT 3 MILES	48	24	24	
47	(G20-2)	END ROAD WORK	48	24	376	
3	(W20-1)	ROAD WORK 1000 FT	48	48	48	
3	(W20-3)	ROAD WORK 1 MILE	48	48	48	
43	(W20-1)	ROAD WORK AHEAD	48	48	688	
3	(W20-3)	ROAD WORK 1/2 MILE	48	48	48	
					1232	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	5
2)	712-01	TRAFFIC CONTROL	LS	1
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	20694
	712-04.02	FLEXIBLE DRUMS (CHANNELIZATION)	EACH	400
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	3
	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 REMOVAL OF PAVEMENT MARKINGS WILL BE PAID FOR UNDER ITEM 712-01

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

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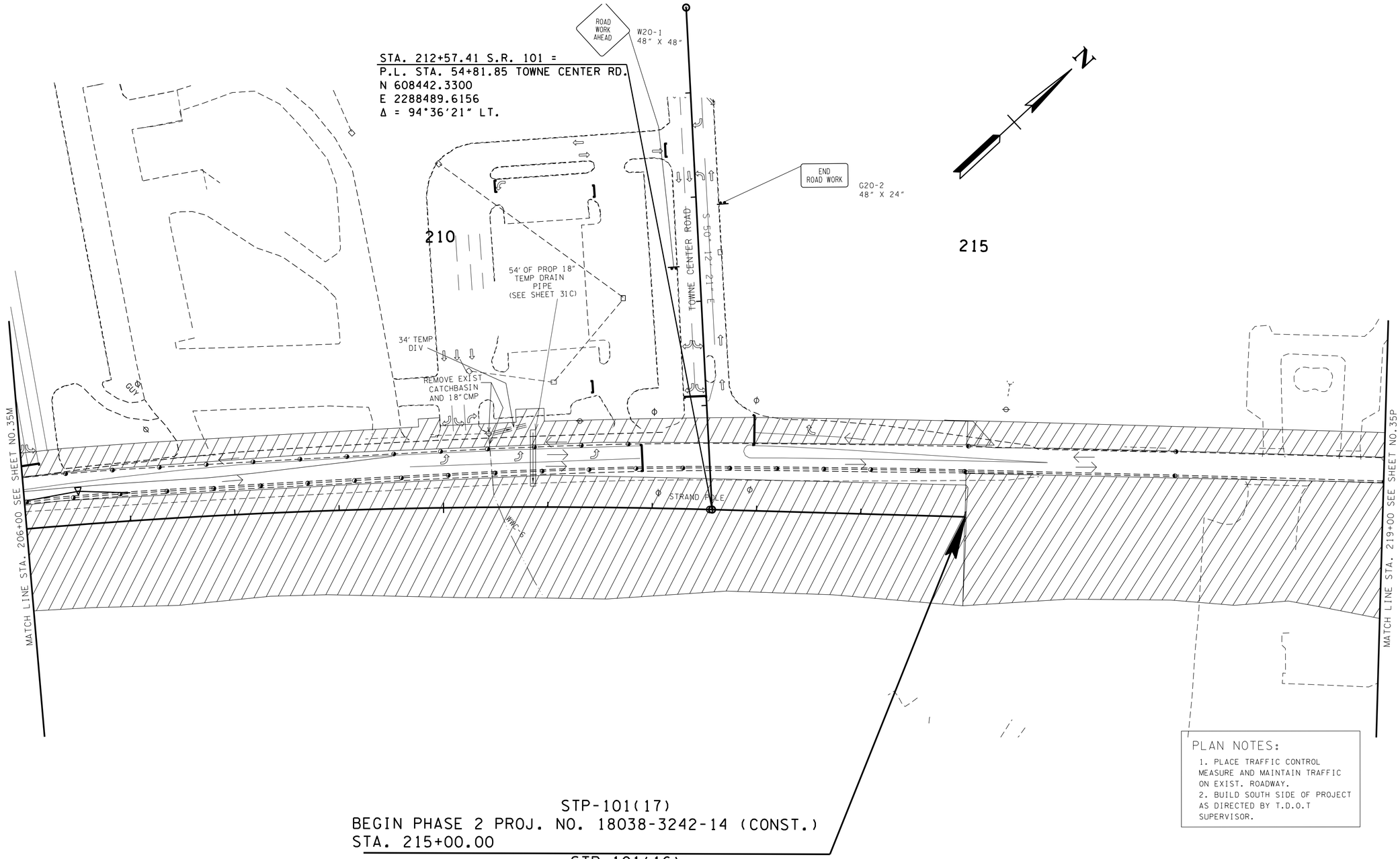
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	35N

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 AS DIRECTED BY T.D.O.T SUPERVISOR.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	FLEXIBLE DRUMS (CHANNELIZING)

TRAFFIC CONTROL PHASE 1 =
EPSC-STAGE 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.206+00 TO STA.219+00

SCALE: 1"=50'

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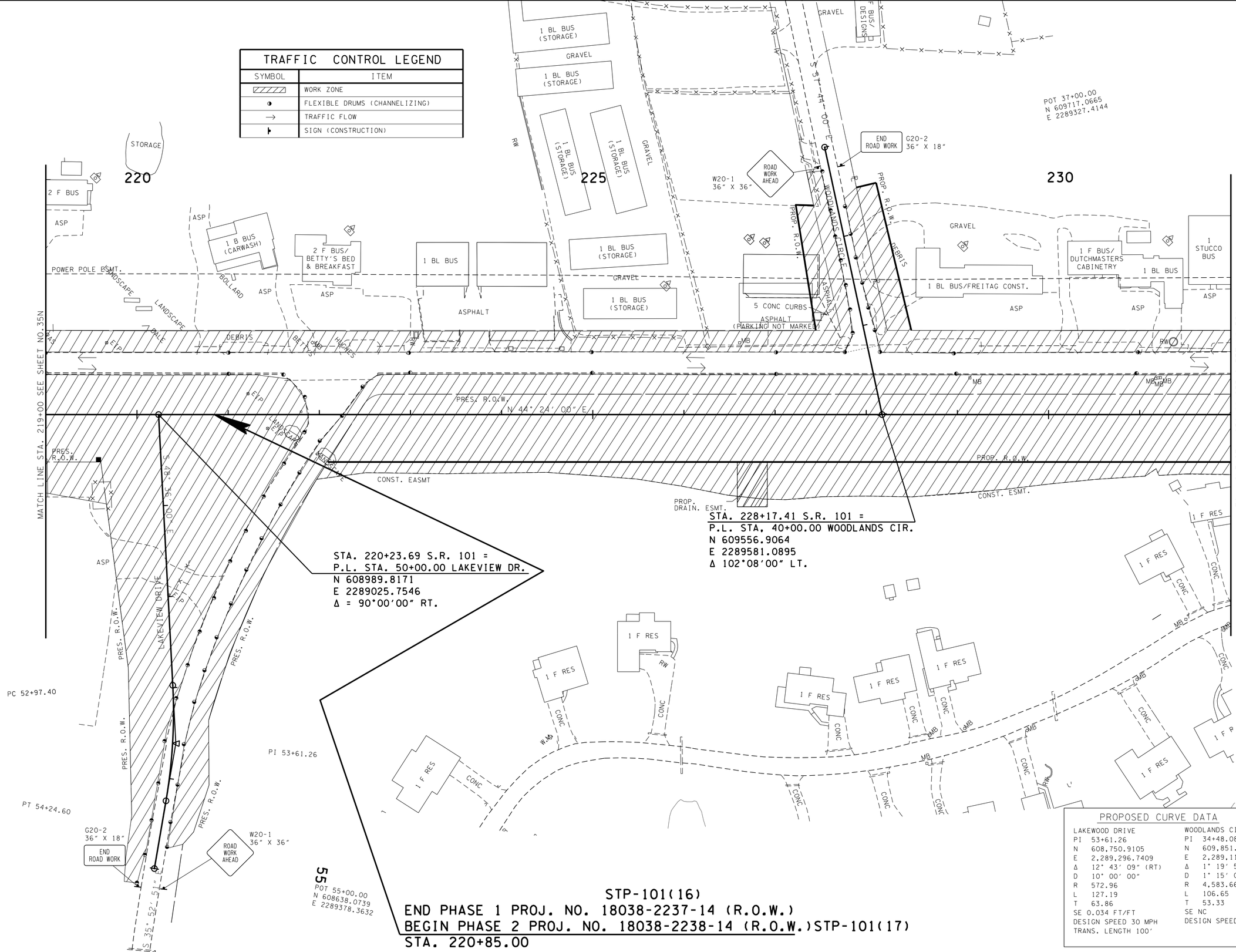
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	35P

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)



PHASE 1
1. PLACE TRAFFIC CONTROL MEASURES.
2. BUILD RDY.

TRAFFIC CONTROL PHASE 1= EPSC-STAGE 2

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CONSTRUCTABILITY FIELD REVIEW

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 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		SE NC	
DESIGN SPEED 30 MPH		DESIGN SPEED 25 MPH	
TRANS. LENGTH 100'			

TRAFFIC CONTROL PLAN PHASE ONE

STA. 219+00 TO STA. 232+00

SCALE: 1"= 50'

STP-101(16)
END PHASE 1 PROJ. NO. 18038-2237-14 (R.O.W.)
BEGIN PHASE 2 PROJ. NO. 18038-2238-14 (R.O.W.)STP-101(17)
STA. 220+85.00

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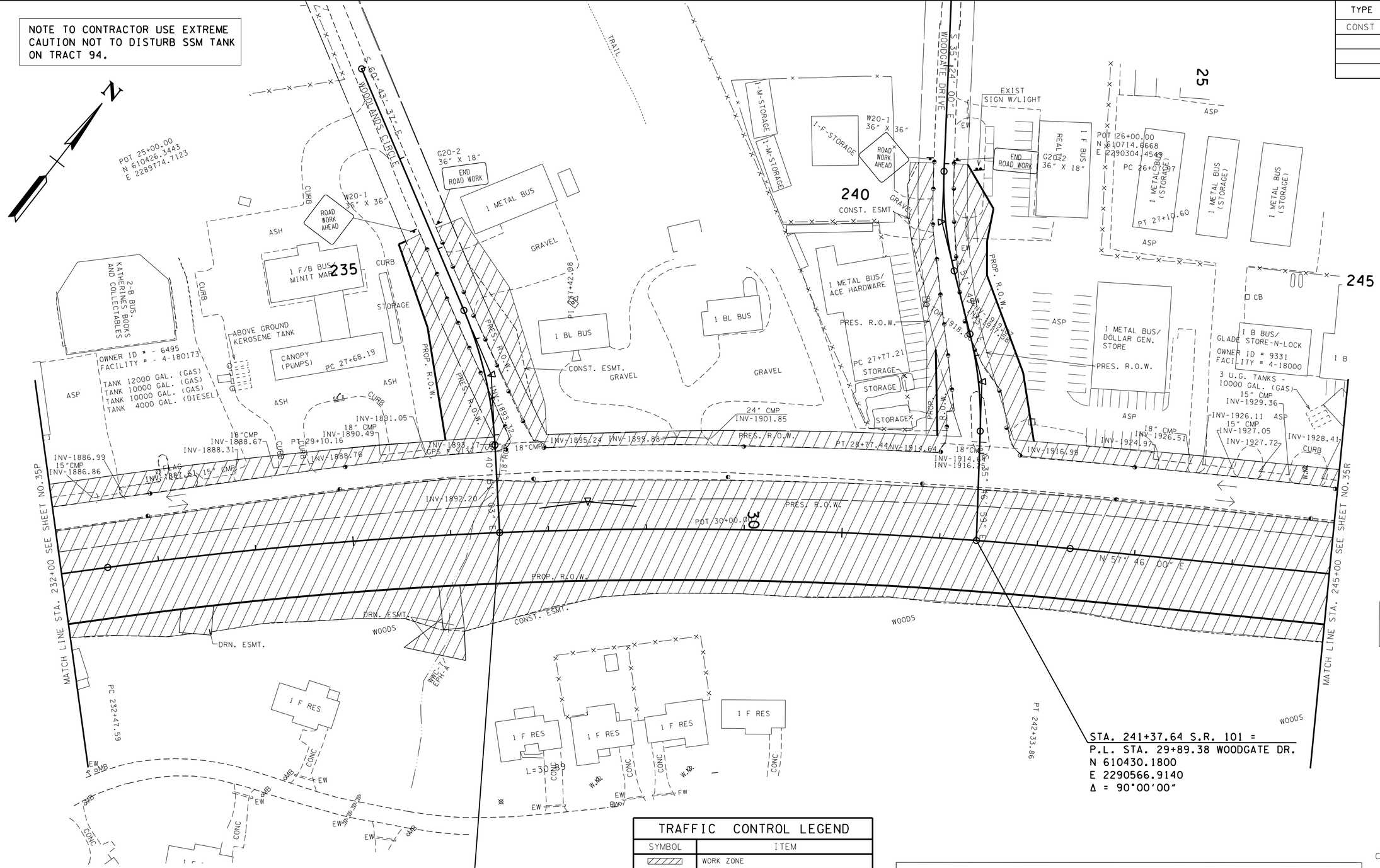
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	350

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

NOTE TO CONTRACTOR USE EXTREME CAUTION NOT TO DISTURB SSM TANK ON TRACT 94.



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
▨	WORK ZONE
◑	FLEXIBLE DRUMS (CHANNELIZING)
▶	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW

PROPOSED CURVE DATA

S.R. 101	WOODLANDS CIRCLE	WOODGATE DRIVE	WOODGATE DRIVE
PI 237+42.98	PI 28+39.90	PI 26+59.64	PI 28+27.65
N 610,218.1998	N 610,260.1430	N 610,666.2060	N 610,561.9150
E 2,290,228.6759	E 2,290,071.2060	E 2,290,339.3380	E 2,290,471.9630
Δ 13° 22′ 00″ (RT)	Δ 19° 52′ 34″ (RT)	Δ 16° 25′ 12″ (LT)	Δ 16° 02′ 13″ (R
D 1° 21′ 19″	D 14° 00′ 00″	D 16° 00′ 00″	D 16° 00′ 00″
R 4,227.60	R 409.26	R 358.10	R 358.10
L 986.27	L 141.97	L 102.62	L 100.23
T 495.38	T 71.71	T 51.67	T 50.44
SE 0.028 FT/FT	SE 0.047 FT/FT	SE 0.051 FT/FT	SE 0.051 FT/FT
DESIGN SPEED 50 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 M
RUNOFF 175′ (50% INSIDE 50% OUTSIDE)	RUNOFF 110′ (50% INSIDE)		

PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. BUILD RDY.

TRAFFIC CONTROL PHASE 1= EPSC-STAGE 2

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATIO

TRAFFIC CONTROL PLAN PHASE ONE

STA. 232+00 TO STA. 245+00
SCALE: 1"= 50'

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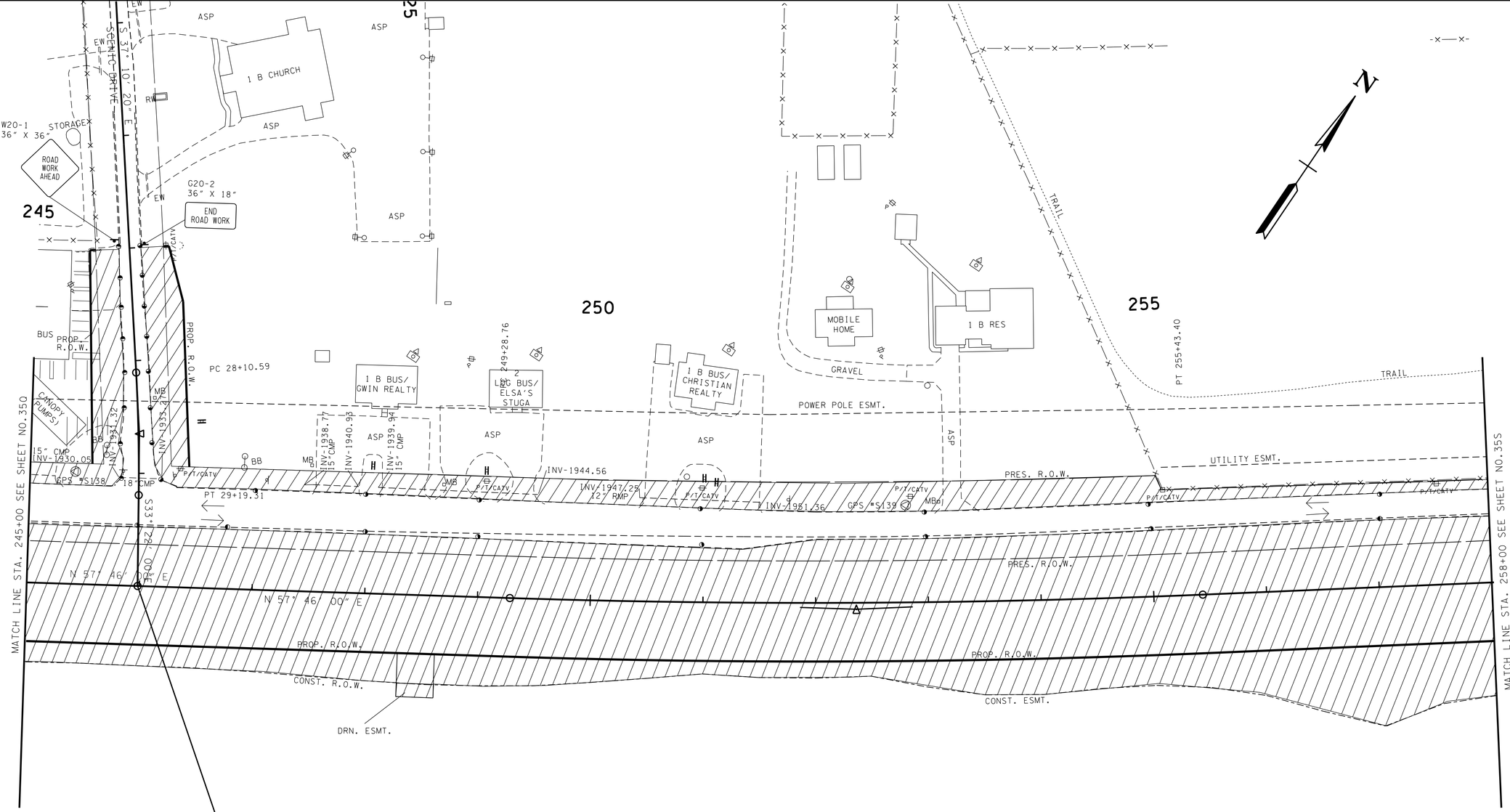
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	35R



STA. 245+98.39 S.R.101 =
P.L. STA. 29+99.99 SCENIC DRIVE
N 610676.8510
E 2290956.0630
Δ = 90°00'00"

PI 252+36.22

PROPOSED CURVE DATA

S.R. 101	SCENIC DRIVE
PI 252+36.22	PI 28+64.97
N 611,017.0496	N 610,789.6506
E 2,291,495.5929	E 2,290,881.7791
Δ 4° 16' 02" (LT)	Δ 3° 48' 19" (RT)
D 0° 41' 39"	D 3° 30' 00"
R 8,253.89	R 1,637.02
L 614.65	L 108.72
T 307.47	T 54.38
SE R.C.	SE 0.028 FT/FT
DESIGN SPEED 50 MPH	DESIGN SPEED 30 MPH
	RUNOFF 100' (50% INSIDE)

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
▨	WORK ZONE
◑	FLEXIBLE DRUMS (CHANNELIZING)
⊢	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW

PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. BUILD RDY.

TRAFFIC CONTROL PHASE 1 = EPSC-STAGE 2

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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 PHASE ONE

STA. 245+00 TO STA. 258+00
SCALE: 1"= 50'

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

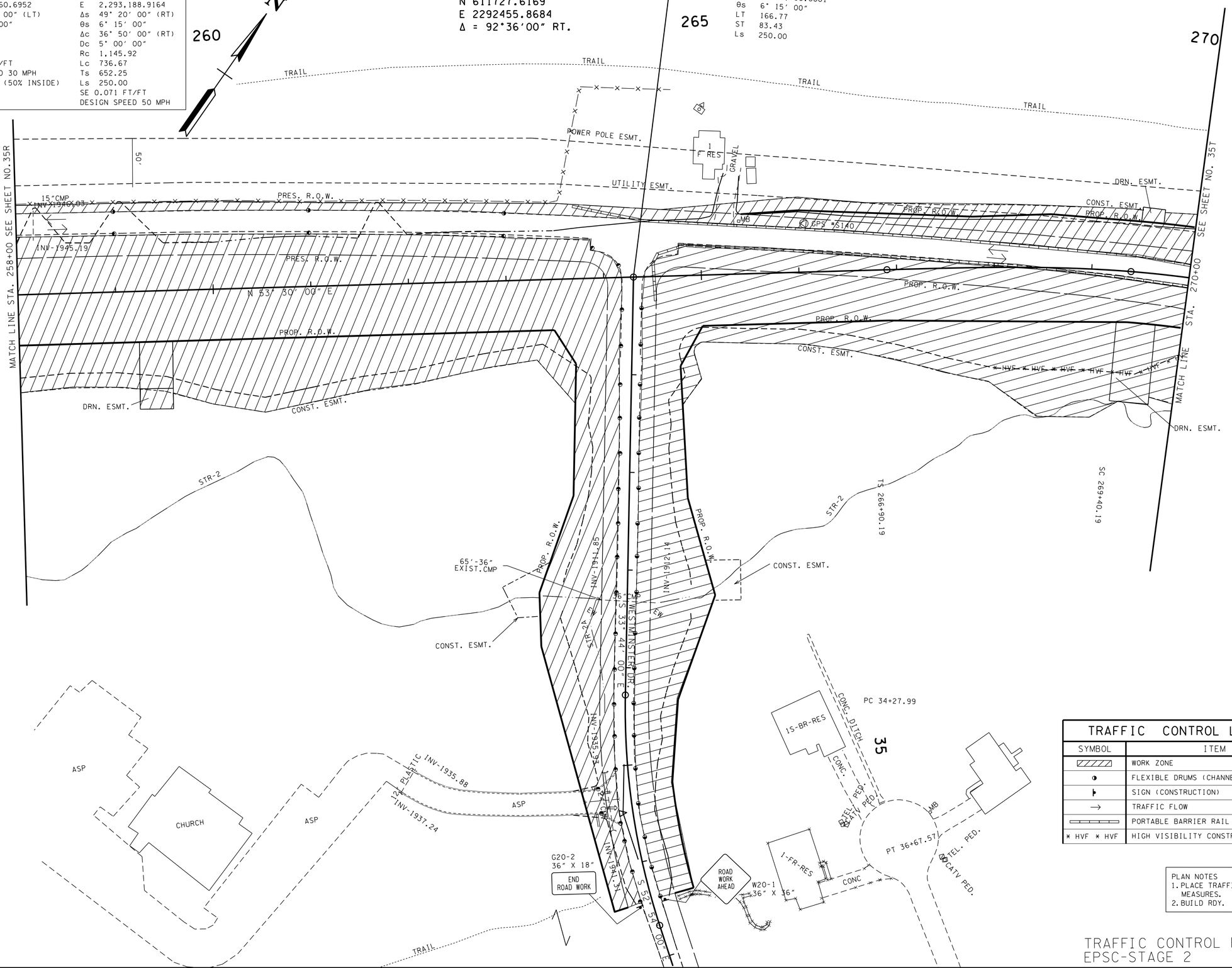
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	35S

PROPOSED CURVE DATA

WESTMINSTER DRIVE	S.R. 101
PI 35+48.91	PI 273+42.44
N 611,271.1255	N 612,270.0431
E 2,292,760.6952	E 2,293,188.9164
Δ 19° 10′ 00″ (LT)	Δs 49° 20′ 00″ (RT)
D 8° 00′ 00″	θs 6° 15′ 00″
R 716.20	Δc 36° 50′ 00″ (RT)
L 239.58	Dc 5° 00′ 00″
T 120.92	Rc 1,145.92
SE 0.053 FT/FT	Lc 736.67
DESIGN SPEED 30 MPH	Ts 652.25
RUNOFF 135′ (50% INSIDE)	Ls 250.00
	SE 0.071 FT/FT
	DESIGN SPEED 50 MPH

STA. 264+30.52 S.R. 101 =
STA. 30+00.00 WESTMINSTER DR.
N 611727.6169
E 2292455.8684
Δ = 92°36′00″ RT.

SPIRAL S101SC7B
PIs 268+56.96
Ns 611,981.2687
Es 2,292,798.6601
θs 6° 15′ 00″
LT 166.77
ST 83.43
Ls 250.00



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
▨	WORK ZONE
◑	FLEXIBLE DRUMS (CHANNELIZING)
▶	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
▭	PORTABLE BARRIER RAIL
* HVF * HVF	HIGH VISIBILITY CONSTRUCTION FENCE

PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. BUILD RDY.

TRAFFIC CONTROL PHASE 1 =
EPSC-STAGE 2

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE ONE

STA. 258+00 TO STA. 270+00
SCALE: 1″= 50′

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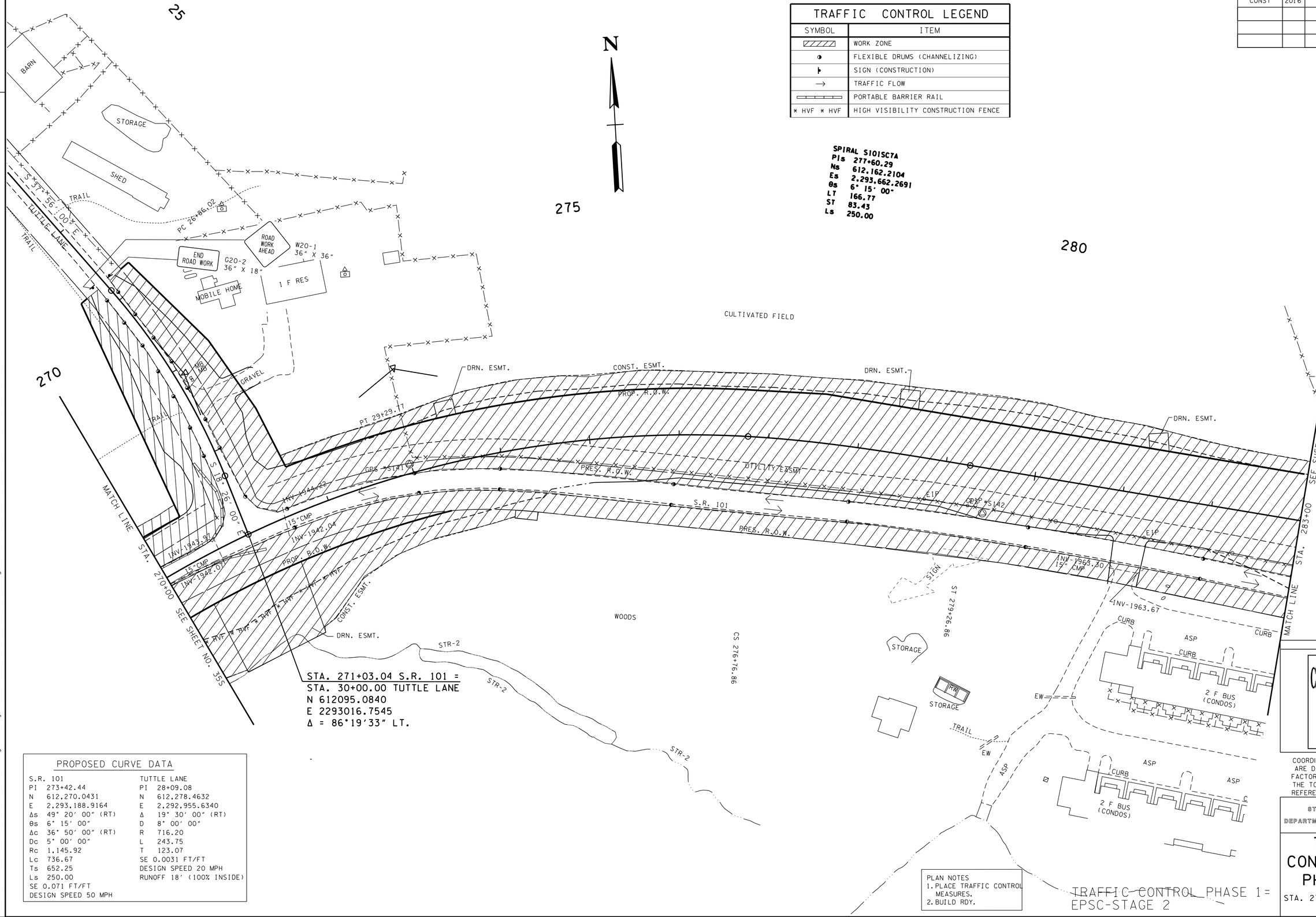
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	35T

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
* HVF * HVF	HIGH VISIBILITY CONSTRUCTION FENCE

SPIRAL S101SC7A
PIs 277+60.29
Ns 612,162.2104
Es 2,293,662.2691
θs 6° 15' 00"
LT
LT 166.77
ST 83.43
Ls 250.00



PROPOSED CURVE DATA

S.R. 101	TUTTLE LANE
PI 273+42.44	PI 28+09.08
N 612,270.0431	N 612,278.4632
E 2,293,188.9164	E 2,292,955.6340
Δs 49° 20' 00" (RT)	Δ 19° 30' 00" (RT)
θs 6° 15' 00"	D 8° 00' 00"
Δc 36° 50' 00" (RT)	R 716.20
Dc 5° 00' 00"	L 243.75
Rc 1,145.92	T 123.07
Lc 736.67	SE 0.0031 FT/FT
Ts 652.25	DESIGN SPEED 20 MPH
Ls 250.00	RUNOFF 18' (100% INSIDE)
SE 0.071 FT/FT	
DESIGN SPEED 50 MPH	

PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. BUILD RDY.

TRAFFIC CONTROL PHASE 1 = EPSC-STAGE 2

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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 PHASE ONE

STA. 270+00 TO STA. 283+00
SCALE: 1" = 50'

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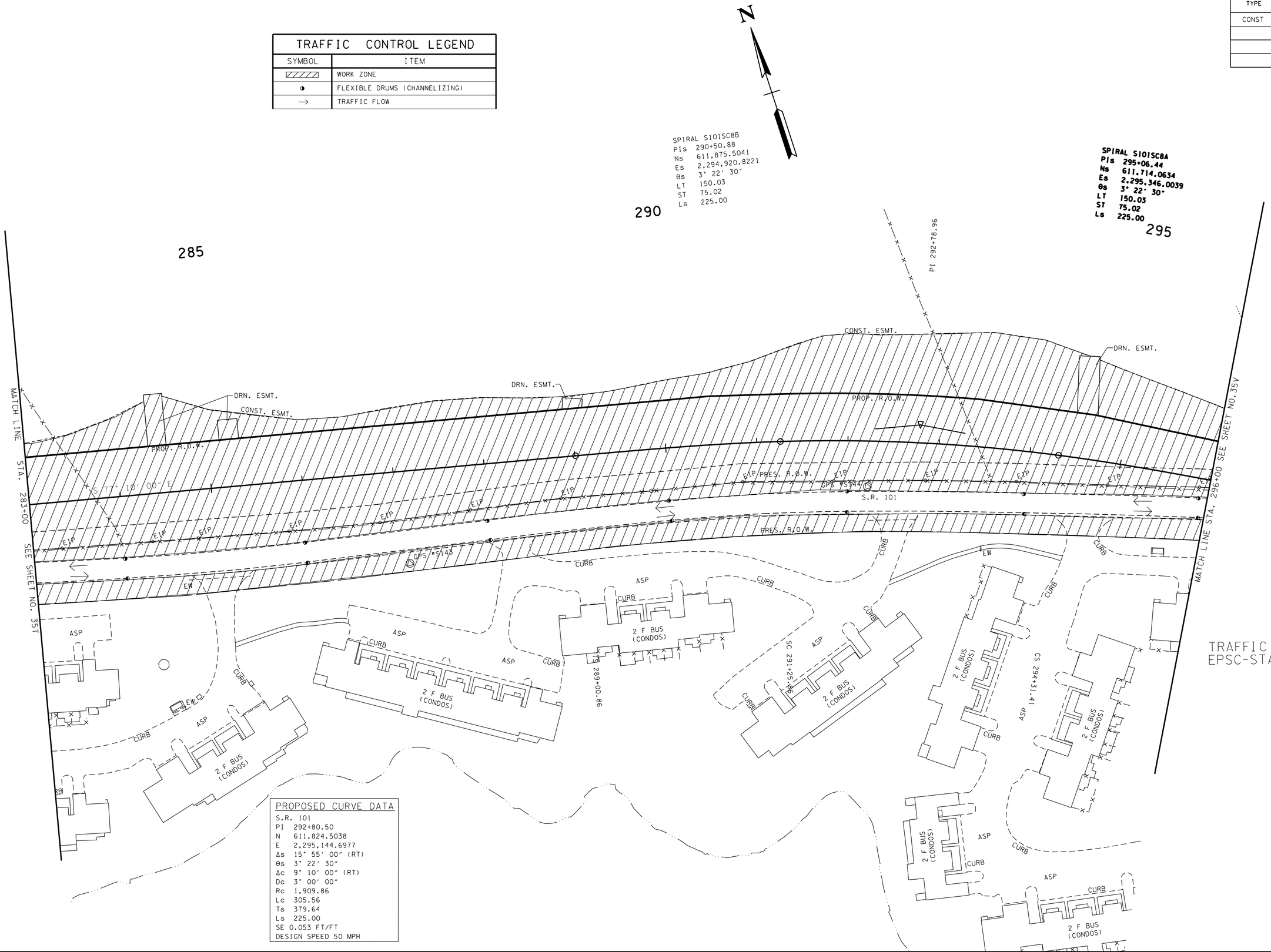
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	35U

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
▨	WORK ZONE
◑	FLEXIBLE DRUMS (CHANNELIZING)
→	TRAFFIC FLOW



PROPOSED CURVE DATA

S.R. 101	
PI	292+80.50
N	611,824.5038
E	2,295,144.6977
Δs	15° 55' 00" (RT)
θs	3° 22' 30"
Δc	9° 10' 00" (RT)
Dc	3° 00' 00"
Rc	1,909.86
Lc	305.56
Ts	379.64
Ls	225.00
SE 0.053 FT/FT	
DESIGN SPEED 50 MPH	

PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. BUILD RDY.

TRAFFIC CONTROL PHASE 1= EPSC-STAGE 2

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CONSTRUCTABILITY FIELD REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE ONE

STA. 283+00 TO STA. 296+00
SCALE: 1"= 50'

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

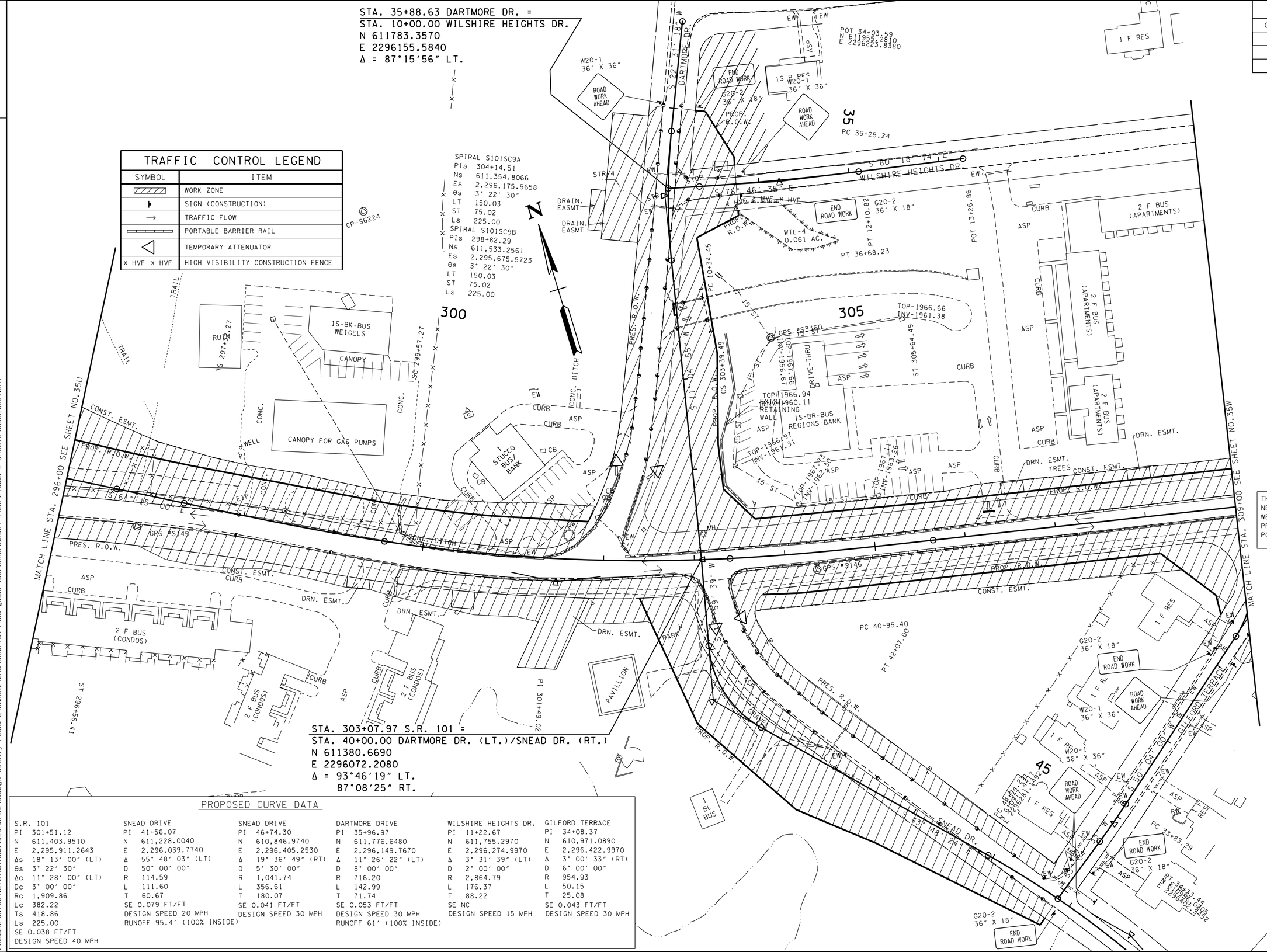
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	35V

STA. 35+88.63 DARTMORE DR. =
STA. 10+00.00 WILSHIRE HEIGHTS DR.
N 611783.3570
E 2296155.5840
Δ = 87°15′56″ LT.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	SIGN (CONSTRUCTION)
	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
* HVF * HVF	HIGH VISIBILITY CONSTRUCTION FENCE

SPIRAL S101SC9A
PIs 304+14.51
Ns 611,354.8066
Es 2,296,175.5658
θs 3° 22′ 30″
LT 150.03
ST 75.02
Ls 225.00
SPIRAL S101SC9B
PIs 298+82.29
Ns 611,533.2561
Es 2,295,675.5723
θs 3° 22′ 30″
LT 150.03
ST 75.02
Ls 225.00



STA. 303+07.97 S.R. 101 =
STA. 40+00.00 DARTMORE DR. (LT.)/SNEAD DR. (RT.)
N 611380.6690
E 2296072.2080
Δ = 93°46′19″ LT.
87°08′25″ RT.

PROPOSED CURVE DATA

S.R. 101	SNEAD DRIVE	SNEAD DRIVE	DARTMORE DRIVE	WILSHIRE HEIGHTS DR.	GILFORD TERRACE
PI 301+51.12	PI 41+56.07	PI 46+74.30	PI 35+96.97	PI 11+22.67	PI 34+08.37
N 611,403.9510	N 611,228.0040	N 610,846.9740	N 611,776.6480	N 611,755.2970	N 610,971.0890
E 2,295,911.2643	E 2,296,039.7740	E 2,296,405.2530	E 2,296,149.7670	E 2,296,274.9970	E 2,296,422.9970
Δs 18° 13′ 00″ (LT)	Δ 55° 48′ 03″ (LT)	Δ 19° 36′ 49″ (RT)	Δ 11° 26′ 22″ (LT)	Δ 3° 31′ 39″ (LT)	Δ 3° 00′ 33″ (RT)
θs 3° 22′ 30″	D 50° 00′ 00″	D 5° 30′ 00″	D 8° 00′ 00″	D 2° 00′ 00″	D 6° 00′ 00″
Δc 11° 28′ 00″ (LT)	R 114.59	R 1,041.74	R 716.20	R 2,864.79	R 954.93
Dc 3° 00′ 00″	L 111.60	L 356.61	L 142.99	L 176.37	L 50.15
Rc 1,909.86	T 60.67	T 180.07	T 71.74	T 88.22	T 25.08
Lc 382.22	SE 0.079 FT/FT	SE 0.041 FT/FT	SE 0.053 FT/FT	SE NC	SE 0.043 FT/FT
Ts 418.86	DESIGN SPEED 20 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 15 MPH	DESIGN SPEED 30 MPH
Ls 225.00	RUNOFF 95.4′ (100% INSIDE)		RUNOFF 61′ (100% INSIDE)		
SE 0.038 FT/FT					
DESIGN SPEED 40 MPH					

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT THE REMAINING WETLAND WILL NOT BE DISTURBED AND IS PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS.

PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. BUILD RDY.

TRAFFIC CONTROL
PHASE 1 =
EPSC-STAGE 2

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CONSTRUCTABILITY
FIELD
REVIEW

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

TRAFFIC CONTROL PLAN PHASE ONE

STA. 296+00 TO STA. 309+00
SCALE: 1"= 50′

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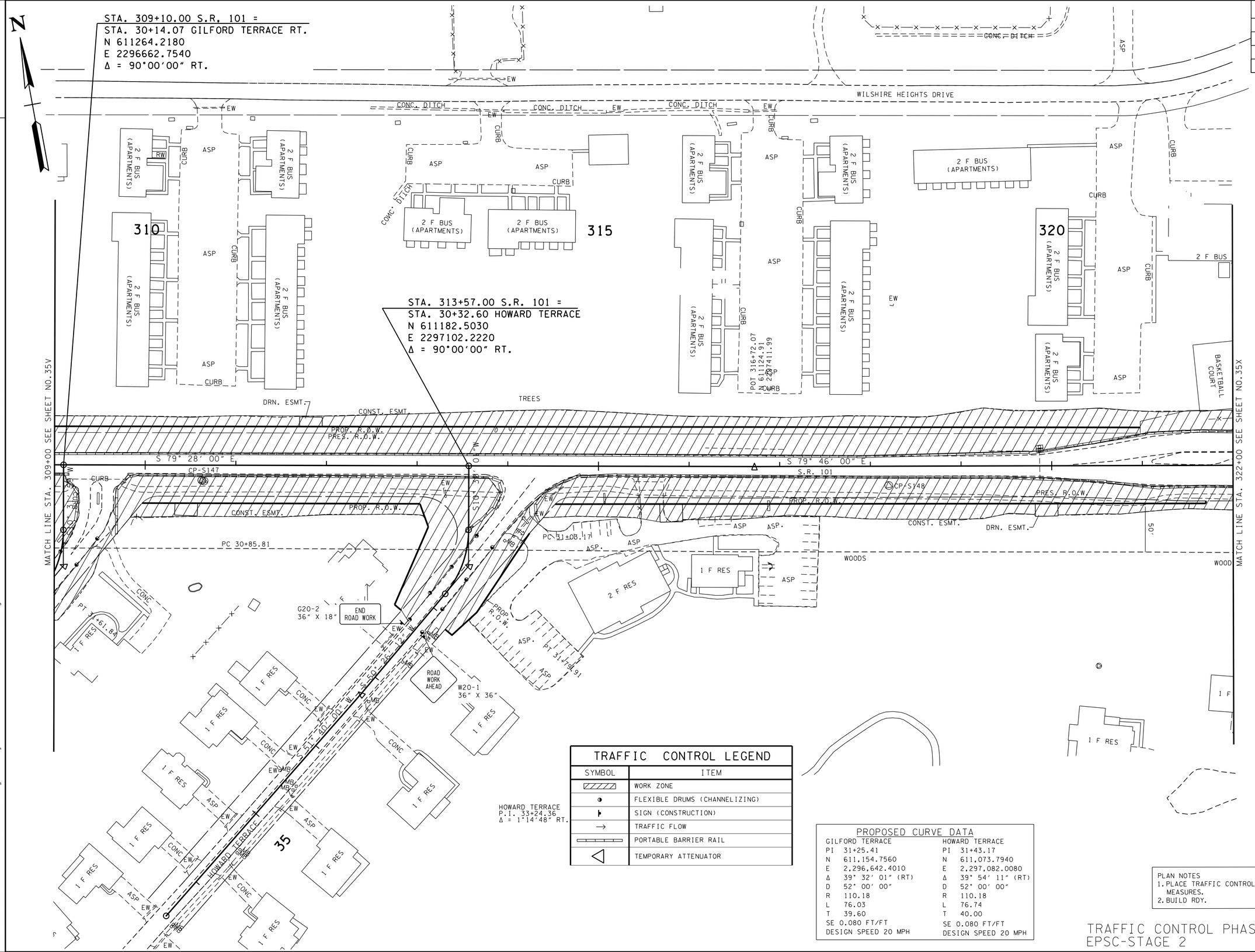
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	35W



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR

PROPOSED CURVE DATA

GILFORD TERRACE		HOWARD TERRACE	
PI	31+25.41	PI	31+43.17
N	611,154.7560	N	611,073.7940
E	2,296,642.4010	E	2,297,082.0080
Δ	39° 32' 01" (RT)	Δ	39° 54' 11" (RT)
D	52° 00' 00"	D	52° 00' 00"
R	110.18	R	110.18
L	76.03	L	76.74
T	39.60	T	40.00
SE 0.080 FT/FT		SE 0.080 FT/FT	
DESIGN SPEED 20 MPH		DESIGN SPEED 20 MPH	

PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. BUILD RDY.

TRAFFIC CONTROL PHASE 1 = EPSC-STAGE 2

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE ONE

STA. 309+00 TO STA. 322+00
SCALE: 1"= 50'

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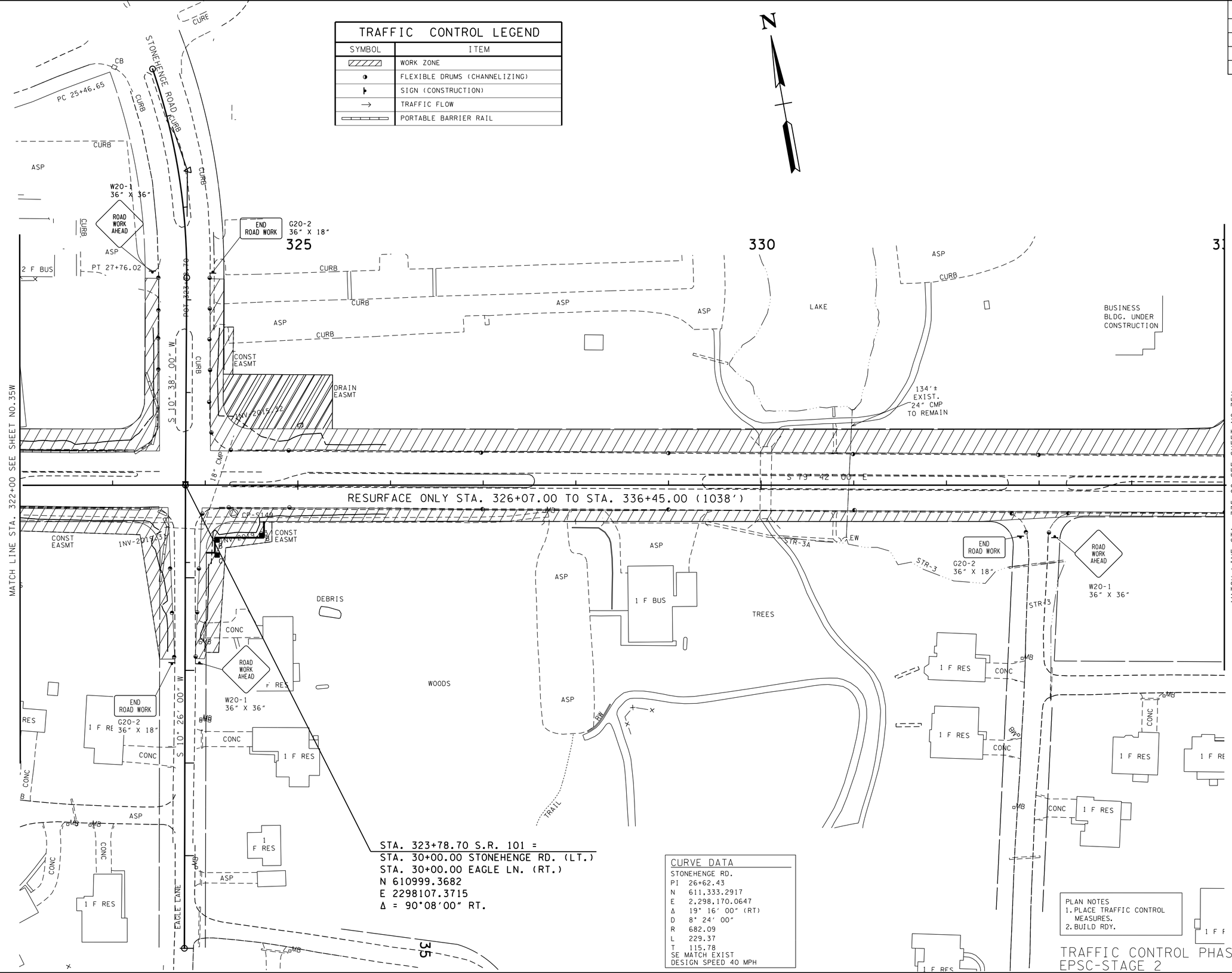
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	35X

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL



CURVE DATA

STONEHENGE RD.

PI	26+62.43
N	611,333.2917
E	2,298,170.0647
Δ	19° 16' 00" (RT)
D	8° 24' 00"
R	682.09
L	229.37
T	115.78

SE MATCH EXIST
DESIGN SPEED 40 MPH

PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. BUILD RDY.

TRAFFIC CONTROL PHASE 1 = EPSC-STAGE 2

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CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE ONE

STA. 322+00 TO STA. 335+00
SCALE: 1"= 50'

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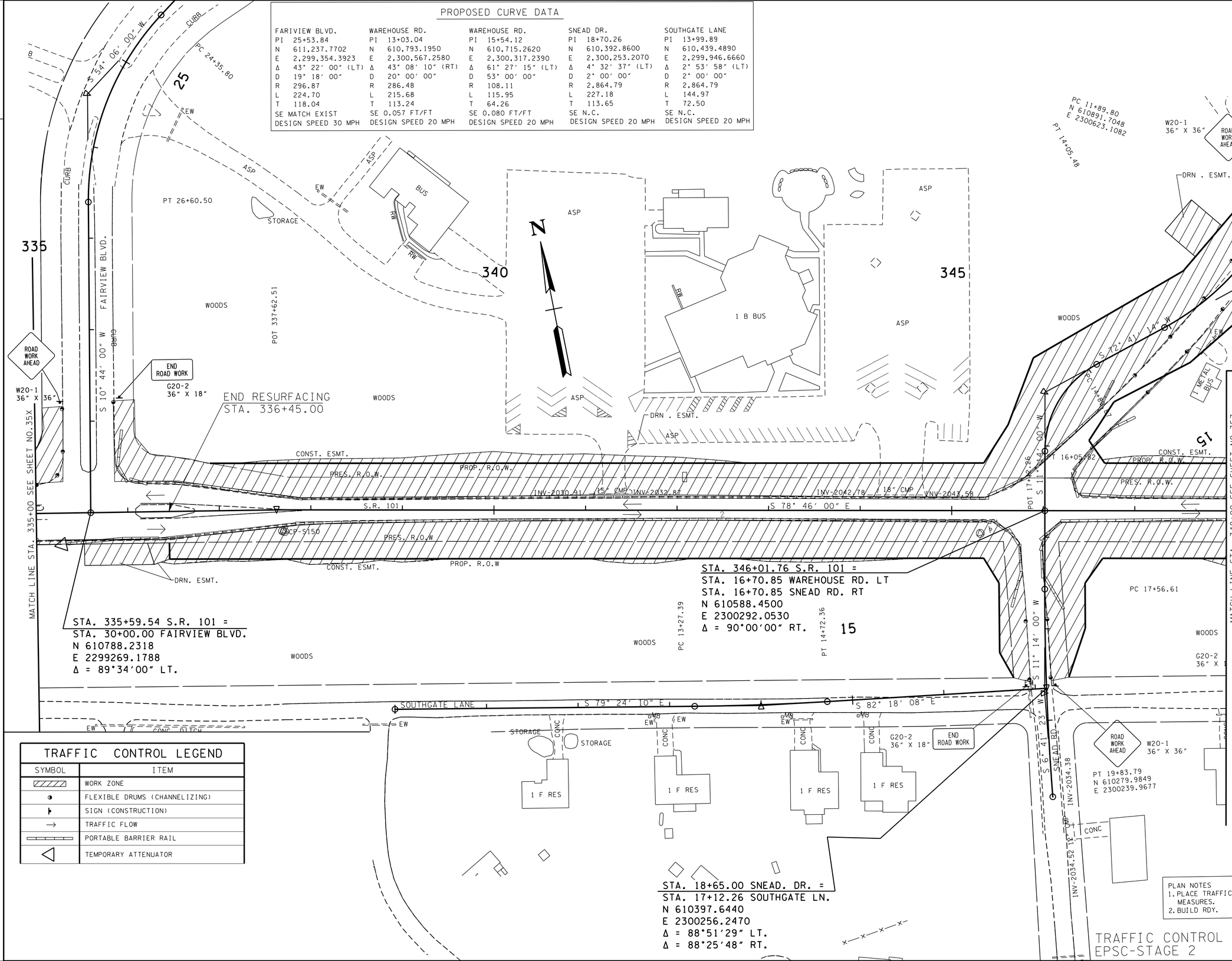
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	35Y

PROPOSED CURVE DATA

FARIVIEW BLVD.	WAREHOUSE RD.	WAREHOUSE RD.	SNEAD DR.	SOUTHGATE LANE
PI 25+53.84	PI 13+03.04	PI 15+54.12	PI 18+70.26	PI 13+99.89
N 611,237.7702	N 610,793.1950	N 610,715.2620	N 610,392.8600	N 610,439.4890
E 2,299,354.3923	E 2,300,567.2580	E 2,300,317.2390	E 2,300,253.2070	E 2,299,946.6660
Δ 43° 22′ 00″ (LT)	Δ 43° 08′ 10″ (RT)	Δ 61° 27′ 15″ (LT)	Δ 4° 32′ 37″ (LT)	Δ 2° 53′ 58″ (LT)
D 19° 18′ 00″	D 20° 00′ 00″	D 53° 00′ 00″	D 2° 00′ 00″	D 2° 00′ 00″
R 296.87	R 286.48	R 108.11	R 2,864.79	R 2,864.79
L 224.70	L 215.68	L 115.95	L 227.18	L 144.97
T 118.04	T 113.24	T 64.26	T 113.65	T 72.50
SE MATCH EXIST	SE 0.057 FT/FT	SE 0.080 FT/FT	SE N.C.	SE N.C.
DESIGN SPEED 30 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR

PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. BUILD RDY.

TRAFFIC CONTROL PHASE 1= EPSC-STAGE 2

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CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE ONE

STA. 335+00 TO STA. 348+00
SCALE: 1"= 50′

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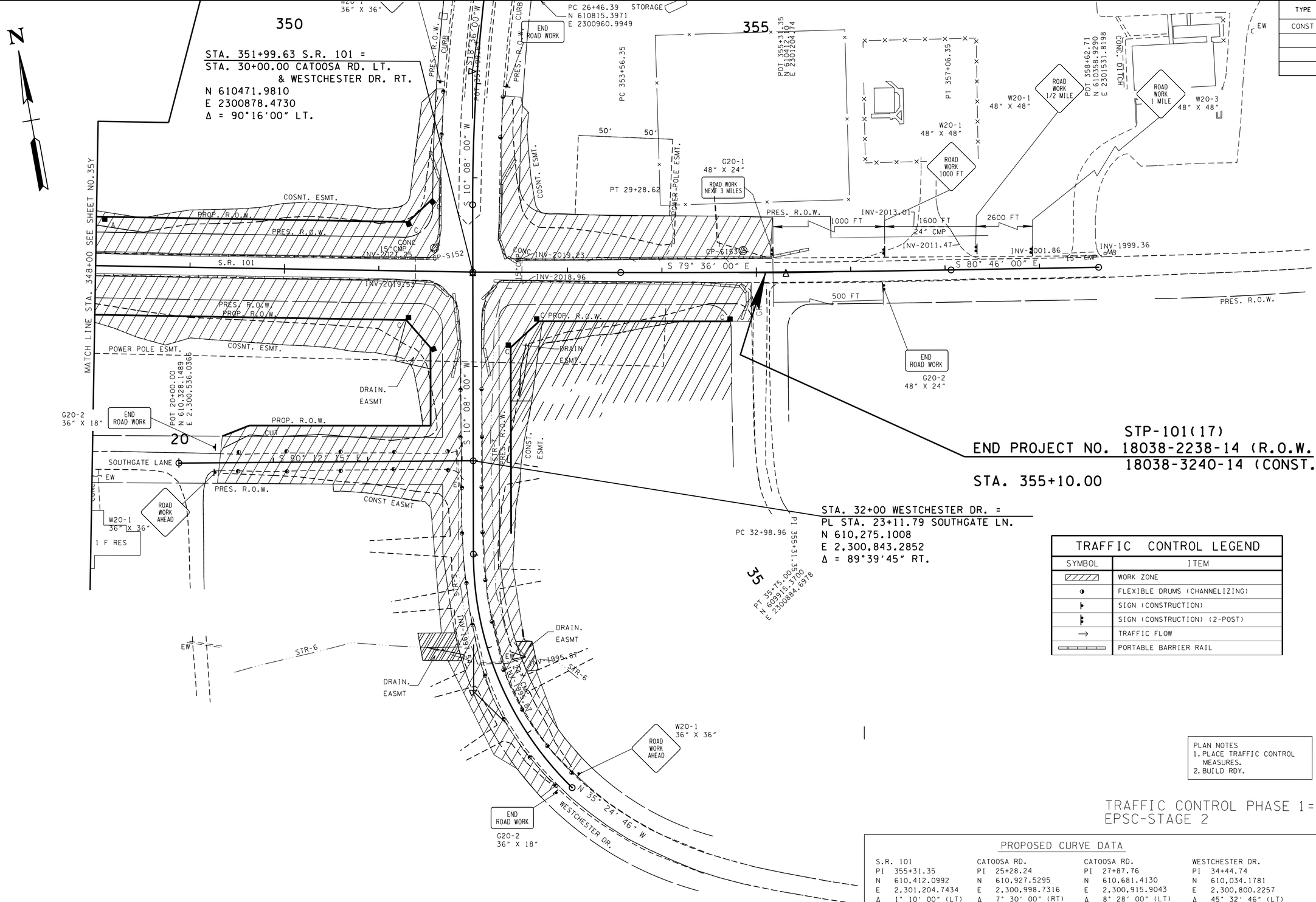
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	35Z



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	SIGN (CONSTRUCTION) (2-POST)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL

PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. BUILD RDY.

TRAFFIC CONTROL PHASE 1 = EPSC-STAGE 2

PROPOSED CURVE DATA

S.R. 101	CATOOSA RD.	CATOOSA RD.	WESTCHESTER DR.
PI 355+31.35	PI 25+28.24	PI 27+87.76	PI 34+44.74
N 610,412.0992	N 610,927.5295	N 610,681.4130	N 610,034.1781
E 2,301,204.7434	E 2,300,998.7316	E 2,300,915.9043	E 2,300,800.2257
Δ 1° 10' 00" (LT)	Δ 7° 30' 00" (RT)	Δ 8° 28' 00" (LT)	Δ 45° 32' 46" (LT)
D 0° 20' 00"	D 7° 00' 00"	D 3° 00' 00"	D 16° 30' 00"
R 17,188.73	R 818.51	R 1,909.86	R 347.25
L 350.00	L 107.14	L 282.22	L 276.04
T 175.01	T 53.65	T 141.37	T 145.78
SE N.C.	SE 0.028 FT/FT	SE R.C.	SE 0.075 FT/FT
DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 30 MPH
			RUNOFF 101.3' (14% OUTSIDE 89% INSIDE)

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CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE ONE

STA. 348+00 TO STA. 358+00
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	36N
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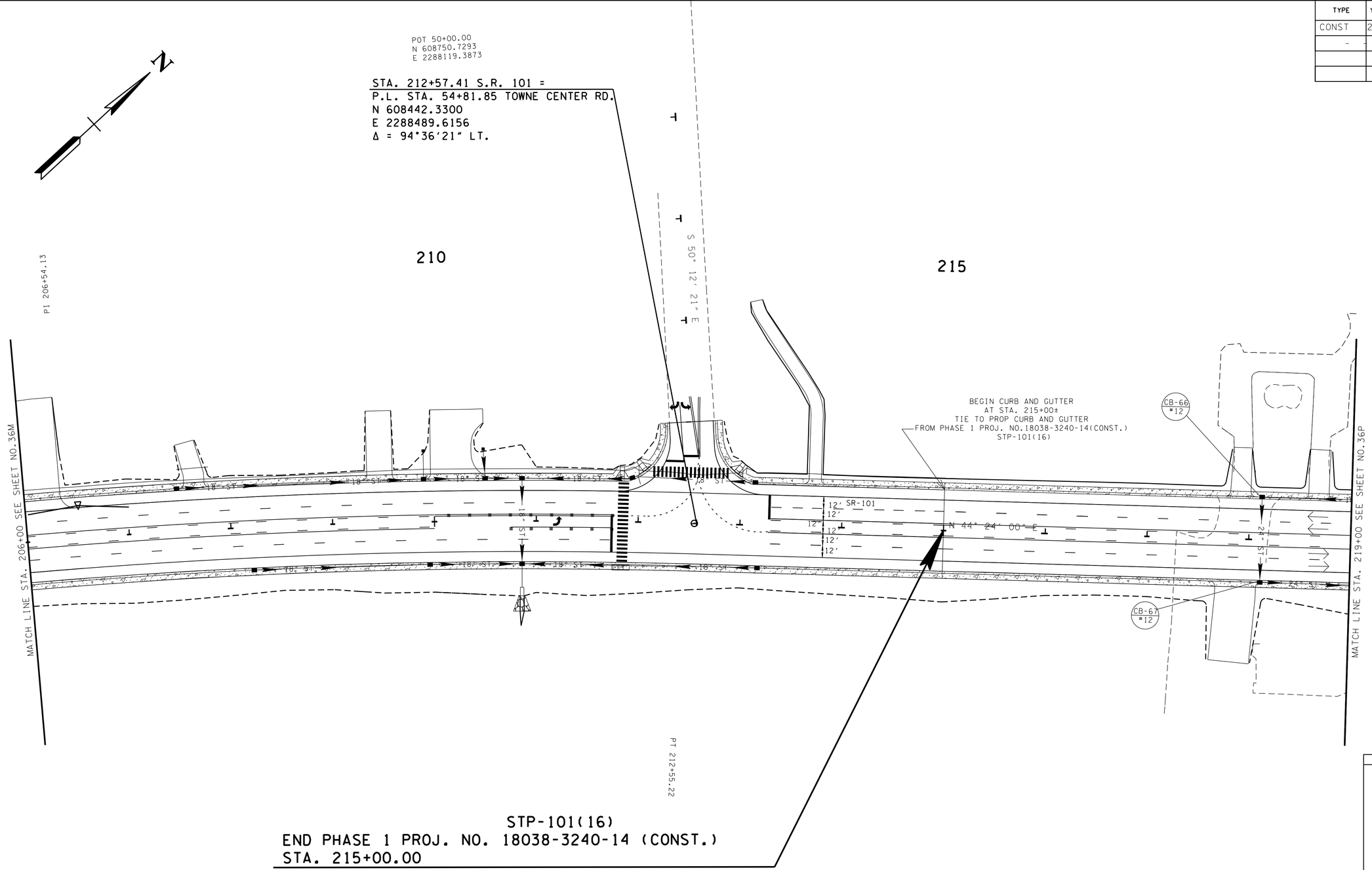
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



STP-101(16)
END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STA. 215+00.00

STP-101(17)
BEGIN PHASE 2 PROJ. NO. 18038-3242-14 (CONST.)
STA. 215+00.00

PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. FINISH RDY.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
▸	SIGN (CONSTRUCTION)

TRAFFIC CONTROL PHASE 2=
EPSC-STAGE 3

SEALED BY

CONSTRUCTABILITY
FIELD
REVIEW

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 PHASE TWO

STA. 206+00 TO STA. 219+00

SCALE: 1"= 50'

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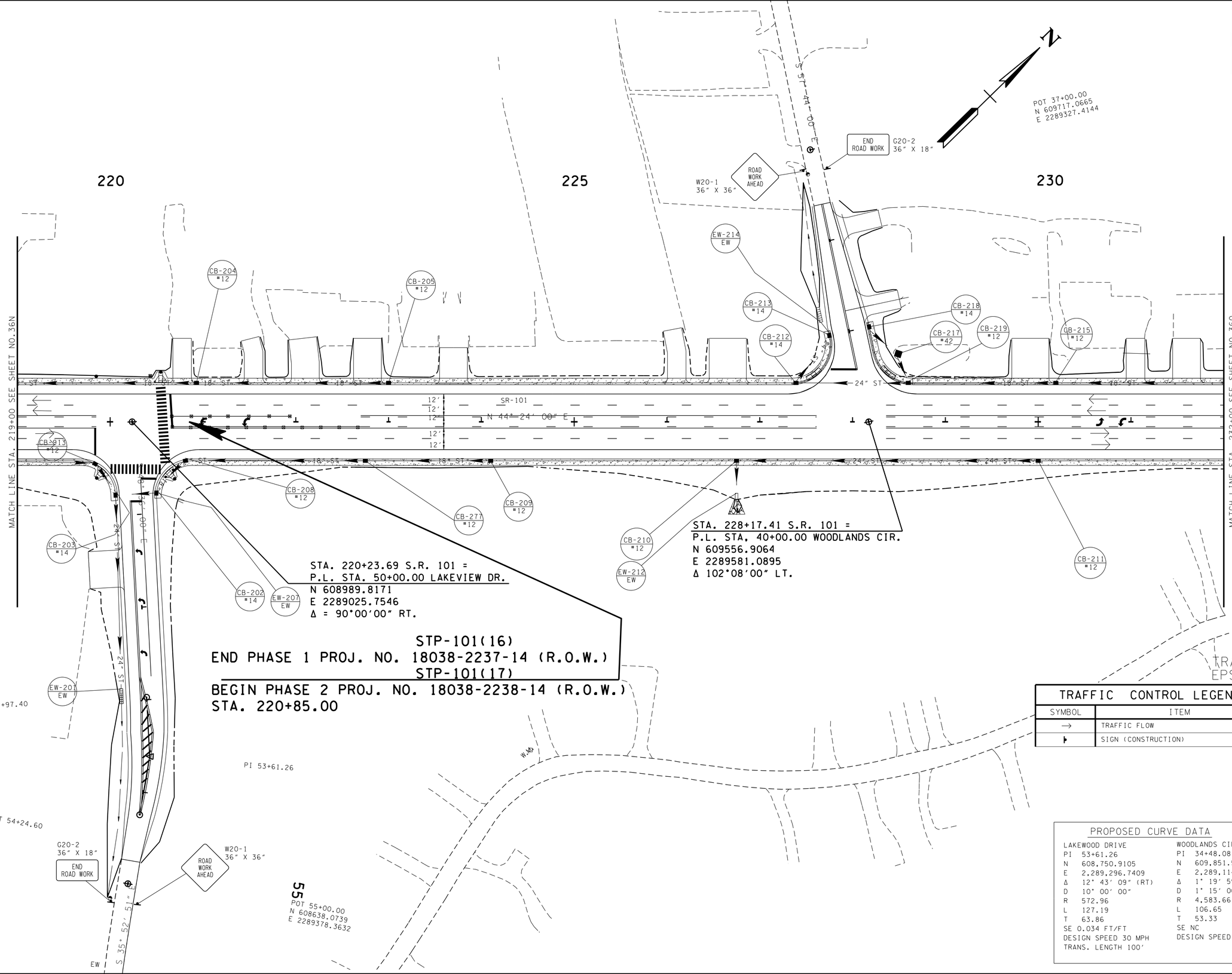
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	36P
-	-	-	-

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



PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. FINISH RDY.

TRAFFIC CONTROL PHASE 2=
EPSC-STAGE 3

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
▶	SIGN (CONSTRUCTION)

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CONSTRUCTABILITY FIELD REVIEW

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 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		SE NC	
DESIGN SPEED 30 MPH		DESIGN SPEED 25 MPH	
TRANS. LENGTH 100'			

TRAFFIC CONTROL PLAN PHASE TWO

STA. 219+00 TO STA. 232+00

SCALE: 1"= 50'

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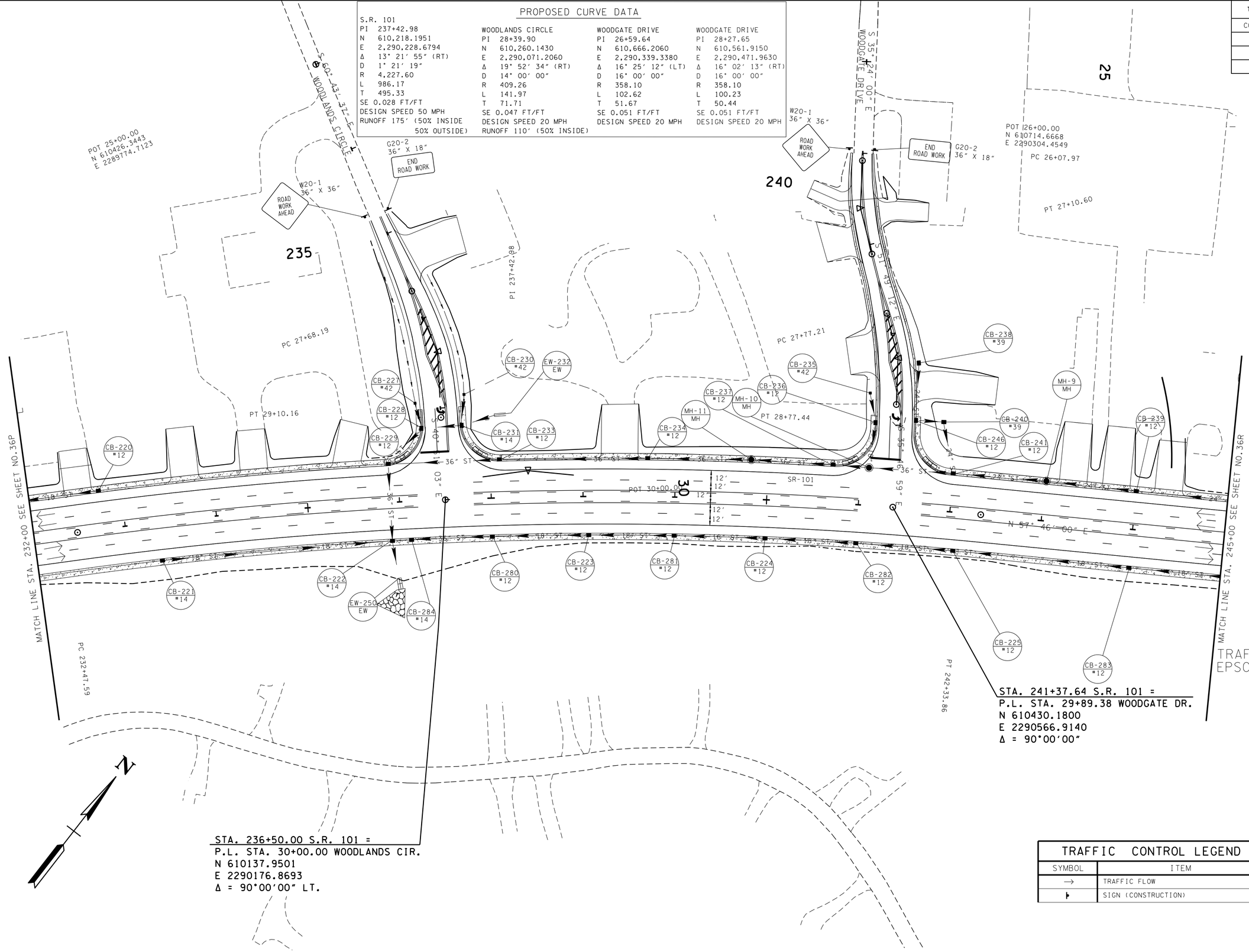
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	360

PROPOSED CURVE DATA

S.R. 101	WOODLANDS CIRCLE	WOODGATE DRIVE	WOODGATE DRIVE
PI 237+42.98	PI 28+39.90	PI 26+59.64	PI 28+27.65
N 610,218.1951	N 610,260.1430	N 610,666.2060	N 610,561.9150
E 2,290,228.6794	E 2,290,071.2060	E 2,290,339.3380	E 2,290,471.9630
Δ 13° 21′ 55″ (RT)	Δ 19° 52′ 34″ (RT)	Δ 16° 25′ 12″ (LT)	Δ 16° 02′ 13″ (RT)
D 1° 21′ 19″	D 14° 00′ 00″	D 16° 00′ 00″	D 16° 00′ 00″
R 4,227.60	R 409.26	R 358.10	R 358.10
L 986.17	L 141.97	L 102.62	L 100.23
T 495.33	T 71.71	T 51.67	T 50.44
SE 0.028 FT/FT	SE 0.047 FT/FT	SE 0.051 FT/FT	SE 0.051 FT/FT
DESIGN SPEED 50 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH
RUNOFF 175′ (50% INSIDE 50% OUTSIDE)	RUNOFF 110′ (50% INSIDE)		



STA. 241+37.64 S.R. 101 =
P.L. STA. 29+89.38 WOODGATE DR.
N 610430.1800
E 2290566.9140
Δ = 90°00′00″

STA. 236+50.00 S.R. 101 =
P.L. STA. 30+00.00 WOODLANDS CIR.
N 610137.9501
E 2290176.8693
Δ = 90°00′00″ LT.

PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. FINISH RDY.

TRAFFIC CONTROL PHASE 2
EPSC-STAGE 3

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CONSTRUCTABILITY FIELD REVIEW

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.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
▶	SIGN (CONSTRUCTION)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE TWO

STA. 232+00 TO STA. 245+00

SCALE: 1"= 50′

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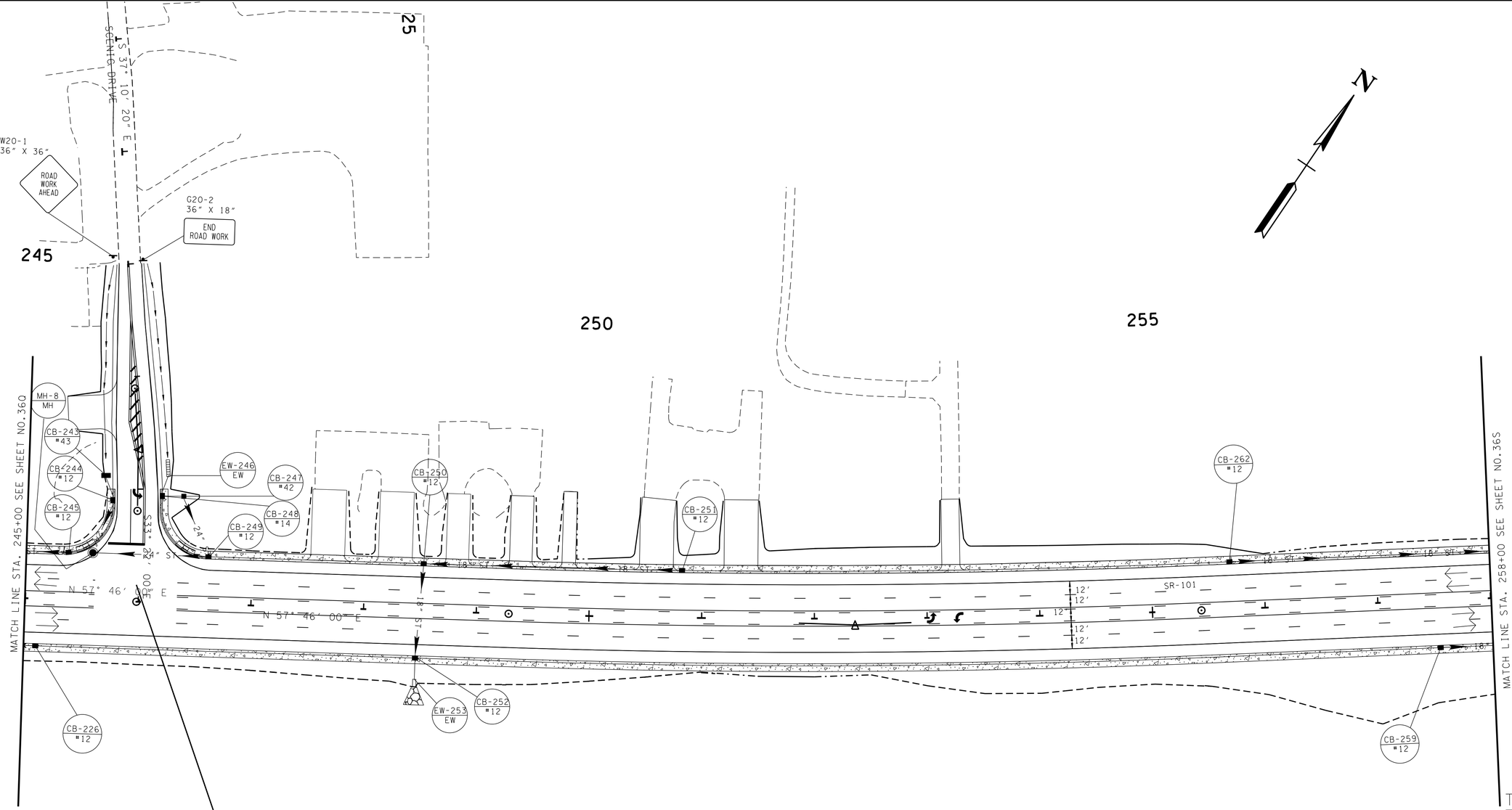
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	36R

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



PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. FINISH RDY.

TRAFFIC CONTROL PHASE 2=
EPSC-STAGE 3

STA. 245+98.39 S.R.101 =
P.L. STA. 29+99.99 SCENIC DRIVE
N 610676.8510
E 2290956.0630
Δ = 90°00'00"

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
⊢	SIGN (CONSTRUCTION)

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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 CURVE DATA

S.R. 101	SCENIC DRIVE
PI 252+36.22	PI 28+64.97
N 611,017.0496	N 610,789.6506
E 2,291,495.5929	E 2,290,881.7791
Δ 4° 16' 02" (LT)	Δ 3° 48' 19" (RT)
D 0° 41' 39"	D 3° 30' 00"
R 8,253.89	R 1,637.02
L 614.65	L 108.72
T 307.47	T 54.38
SE R.C.	SE 0.028 FT/FT
DESIGN SPEED 50 MPH	DESIGN SPEED 30 MPH
	RUNOFF 100' (50% INSIDE)

TRAFFIC CONTROL PLAN PHASE TWO

STA. 245+00 TO STA. 258+00

SCALE: 1"= 50'

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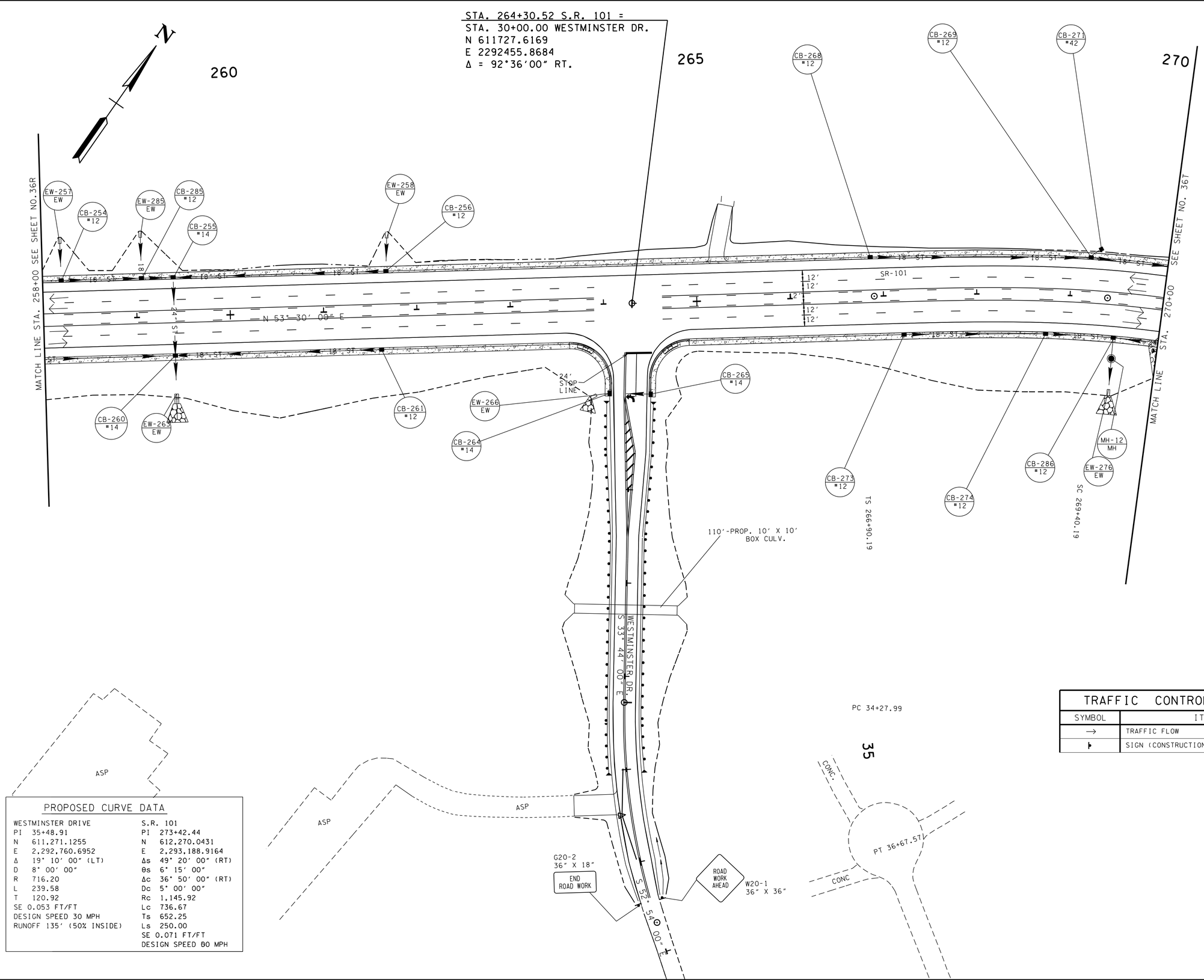
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	36S



PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. FINISH RDY.

TRAFFIC CONTROL PHASE 2=
EPSC-STAGE 3

PROPOSED CURVE DATA

WESTMINSTER DRIVE		S.R. 101	
PI	35+48.91	PI	273+42.44
N	611,271.1255	N	612,270.0431
E	2,292,760.6952	E	2,293,188.9164
Δ	19° 10′ 00″ (LT)	Δs	49° 20′ 00″ (RT)
D	8° 00′ 00″	θs	6° 15′ 00″
R	716.20	Δc	36° 50′ 00″ (RT)
L	239.58	Dc	5° 00′ 00″
T	120.92	Rc	1,145.92
SE 0.053 FT/FT		Lc	736.67
DESIGN SPEED 30 MPH		Ts	652.25
RUNOFF 135′ (50% INSIDE)		Ls	250.00
		SE 0.071 FT/FT	
		DESIGN SPEED 60 MPH	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
▸	SIGN (CONSTRUCTION)

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CONSTRUCTABILITY FIELD REVIEW

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 PHASE TWO

STA. 258+00 TO STA. 270+00

SCALE: 1"= 50′

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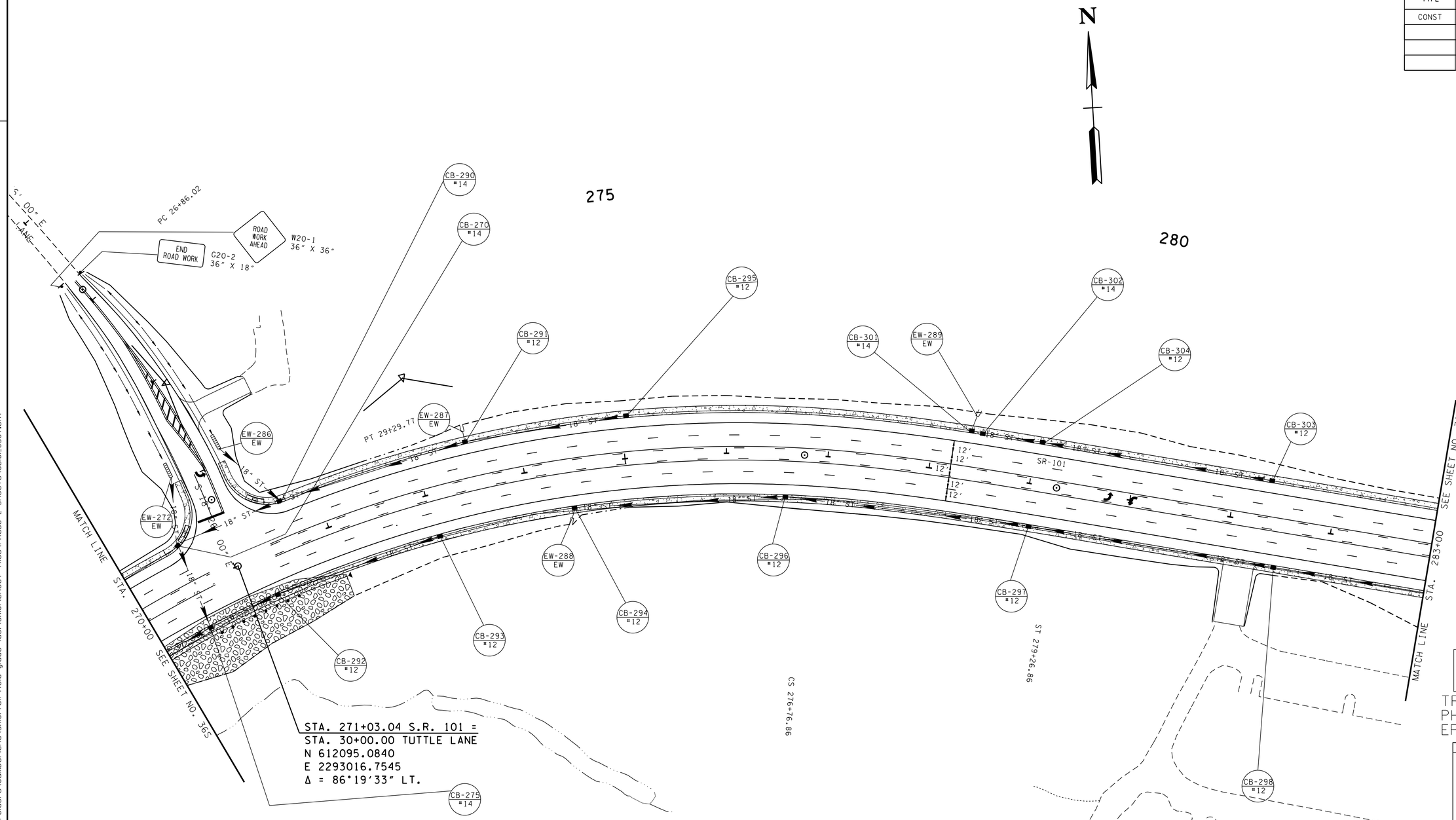
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	36T

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



PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. FINISH RDY.

TRAFFIC CONTROL
PHASE 2=
EPSC-STAGE 3

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CONSTRUCTABILITY
FIELD
REVIEW

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 13 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED CURVE DATA

S.R. 101		TUTTLE LANE	
PI	273+42.44	PI	28+09.08
N	612,270.0431	N	612,278.4632
E	2,293,188.9164	E	2,292,955.6340
Δs	49° 20′ 00″ (RT)	Δ	19° 30′ 00″ (RT)
θs	6° 15′ 00″	D	8° 00′ 00″
Δc	36° 50′ 00″ (RT)	R	716.20
Dc	5° 00′ 00″	L	243.75
Rc	1,145.92	T	123.07
Lc	736.67	SE 0.031 FT/FT	
Ts	652.25	DESIGN SPEED 20 MPH	
Ls	250.00	RUNOFF 18′ (100% INSIDE)	
SE 0.071 FT/FT			
DESIGN SPEED 50 MPH			

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
▸	SIGN (CONSTRUCTION)

TRAFFIC CONTROL PLAN PHASE TWO

STA. 270+00 TO STA. 283+00

SCALE: 1"= 50′

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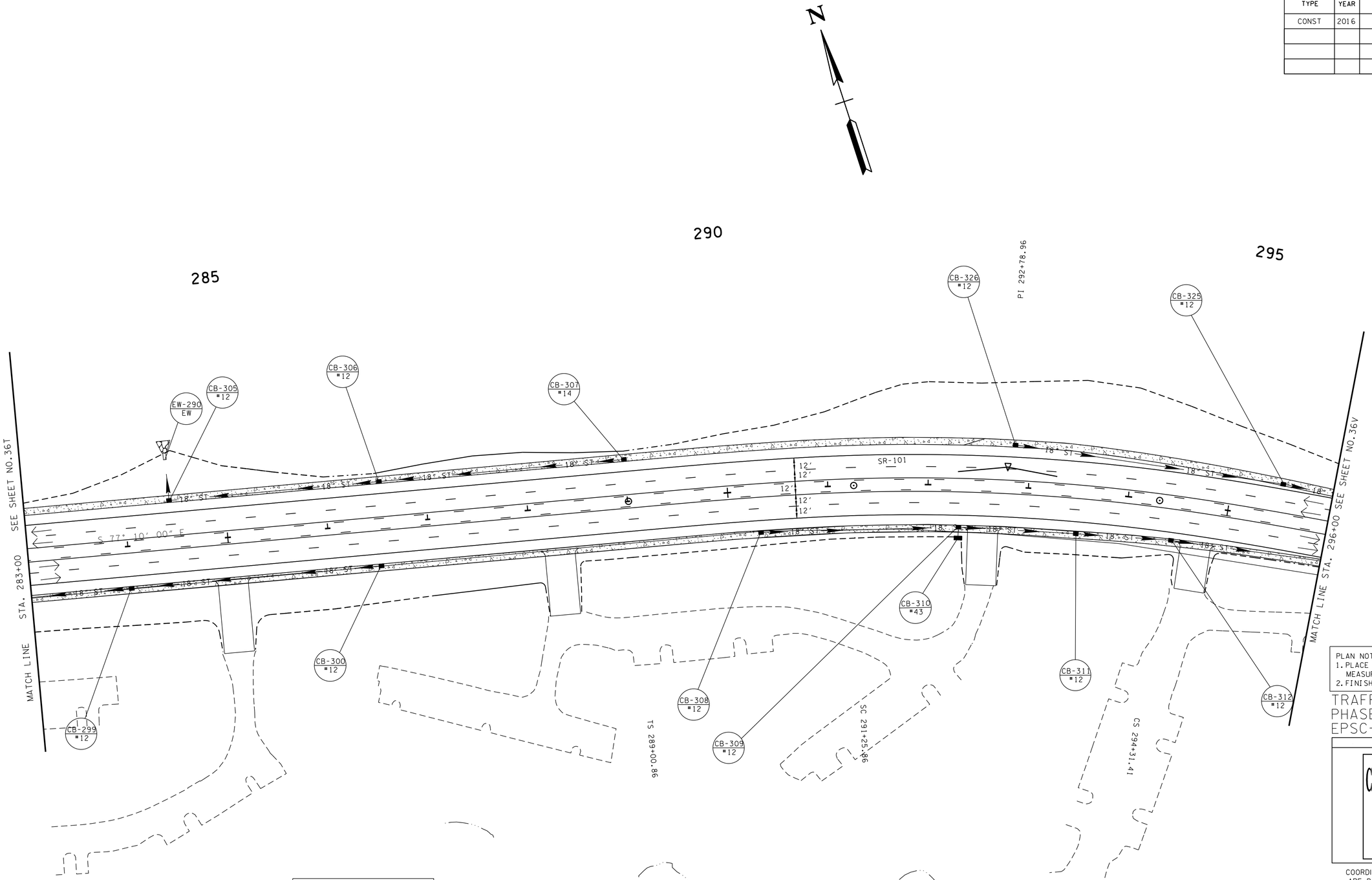
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	36U

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



PROPOSED CURVE DATA

S.R. 101
PI 292+80.50
N 611,824.5038
E 2,295,144.6977
Δs 15° 55' 00" (RT)
θs 3° 22' 30"
Δc 9° 10' 00" (RT)
Dc 3° 00' 00"
Rc 1,909.86
Lc 305.56
Ts 379.64
Ls 225.00
SE 0.053 FT/FT
DESIGN SPEED 50 MPH

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW

PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. FINISH RDY.

TRAFFIC CONTROL PHASE 2= EPSC-STAGE 3

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CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE TWO

STA. 283+00 TO STA. 296+00
SCALE: 1"= 50'

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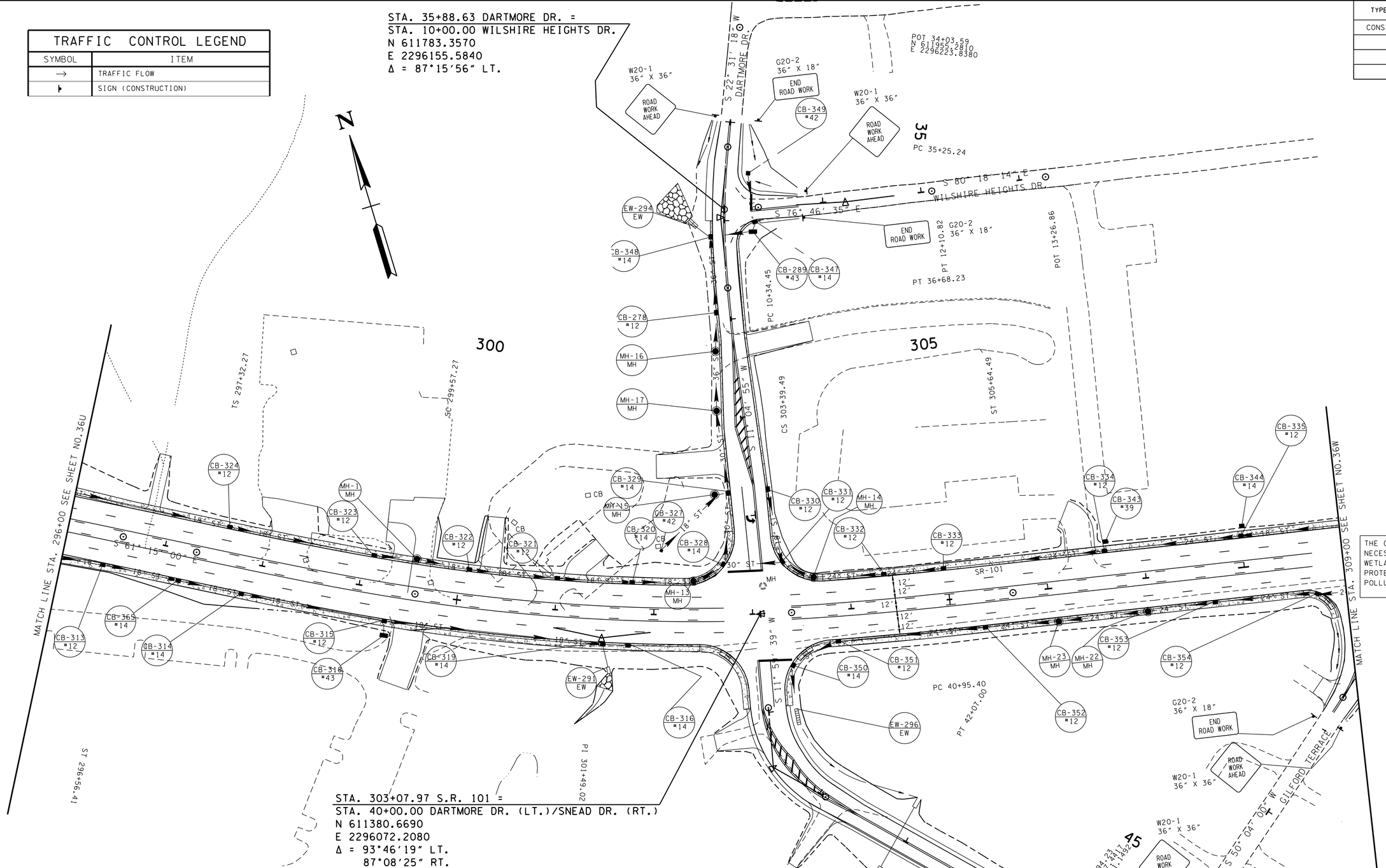
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	36V

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
▶	SIGN (CONSTRUCTION)

STA. 35+88.63 DARTMORE DR. =
STA. 10+00.00 WILSHIRE HEIGHTS DR.
N 611783.3570
E 2296155.5840
Δ = 87°15′56″ LT.



STA. 303+07.97 S.R. 101 =
STA. 40+00.00 DARTMORE DR. (LT.)/SNEAD DR. (RT.)
N 611380.6690
E 2296072.2080
Δ = 93°46′19″ LT.
87°08′25″ RT.

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT THE REMAINING WETLAND WILL NOT BE DISTURBED AND IS PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS.

PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
3. FINISH RDY.

TRAFFIC CONTROL PHASE 2= EPSC-STAGE 3

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CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE TWO

STA. 296+00 TO STA. 309+00

SCALE: 1″= 50′

PROPOSED CURVE DATA

S.R. 101	SNEAD DRIVE	SNEAD DRIVE	DARTMORE DRIVE	WILSHIRE HEIGHTS DR.	GILFORD TERRACE
PI 301+51.12	PI 41+56.07	PI 46+74.30	PI 35+96.97	PI 11+22.67	PI 34+08.37
N 611,403.9510	N 611,228.0040	N 610,846.9740	N 611,776.6480	N 611,755.2970	N 610,971.0890
E 2,295,911.2643	E 2,296,039.7740	E 2,296,405.2530	E 2,296,149.7670	E 2,296,274.9970	E 2,296,422.9970
Δs 18° 13′ 00″ (LT)	Δ 55° 48′ 03″ (LT)	Δ 19° 36′ 49″ (RT)	Δ 11° 26′ 22″ (LT)	Δ 3° 31′ 39″ (LT)	Δ 3° 00′ 33″ (RT)
θs 3° 22′ 30″	D 50° 00′ 00″	D 5° 30′ 00″	D 8° 00′ 00″	D 2° 00′ 00″	D 6° 00′ 00″
Δc 11° 28′ 00″ (LT)	R 114.59	R 1,041.74	R 716.20	R 2,864.79	R 954.93
Dc 3° 00′ 00″	L 111.60	L 356.61	L 142.99	L 176.37	L 50.15
Rc 1,909.86	T 60.67	T 180.07	T 71.74	T 88.22	T 25.08
Lc 382.22	SE 0.079 FT/FT	SE 0.041 FT/FT	SE 0.053 FT/FT	SE NC	SE 0.043 FT/FT
Ts 418.86	DESIGN SPEED 20 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 15 MPH	DESIGN SPEED 30 MPH
Ls 225.00	RUNOFF 95.4′ (100% INSIDE)		RUNOFF 61′ (100% INSIDE)		
SE 0.038 FT/FT					
DESIGN SPEED 40 MPH					

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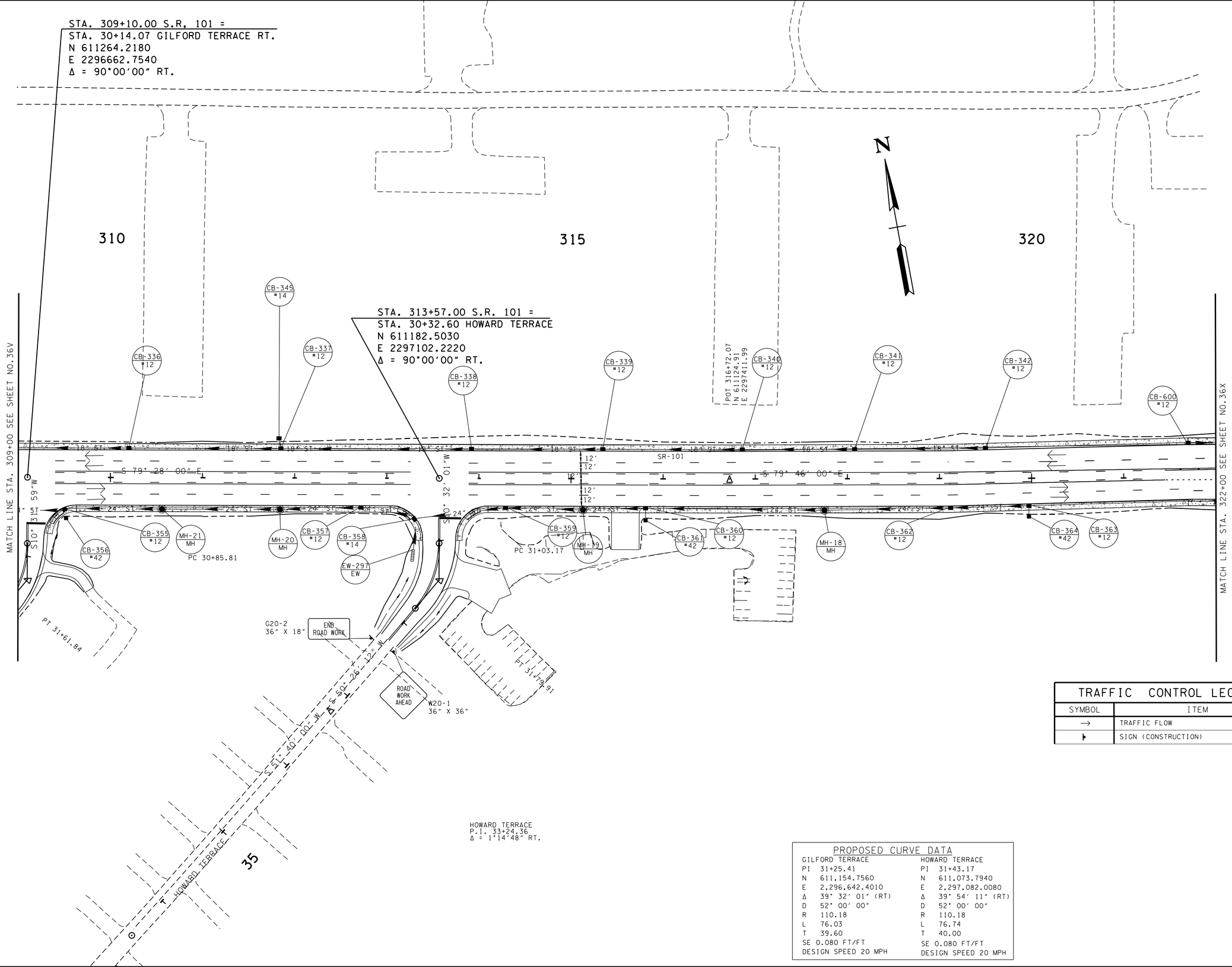
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	36W



PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. FINISH RDY.

TRAFFIC CONTROL PHASE 2= EPSC-STAGE 3

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
▶	SIGN (CONSTRUCTION)

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CONSTRUCTABILITY FIELD REVIEW

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 PHASE TWO

STA. 310+00 TO STA. 323+00

SCALE: 1"= 50'

PROPOSED CURVE DATA

GILFORD TERRACE		HOWARD TERRACE	
PI	31+25.41	PI	31+43.17
N	611,154.7560	N	611,073.7940
E	2,296,642.4010	E	2,297,082.0080
Δ	39° 32' 01" (RT)	Δ	39° 54' 11" (RT)
D	52° 00' 00"	D	52° 00' 00"
R	110.18	R	110.18
L	76.03	L	76.74
T	39.60	T	40.00
SE 0.080 FT/FT		SE 0.080 FT/FT	
DESIGN SPEED 20 MPH		DESIGN SPEED 20 MPH	

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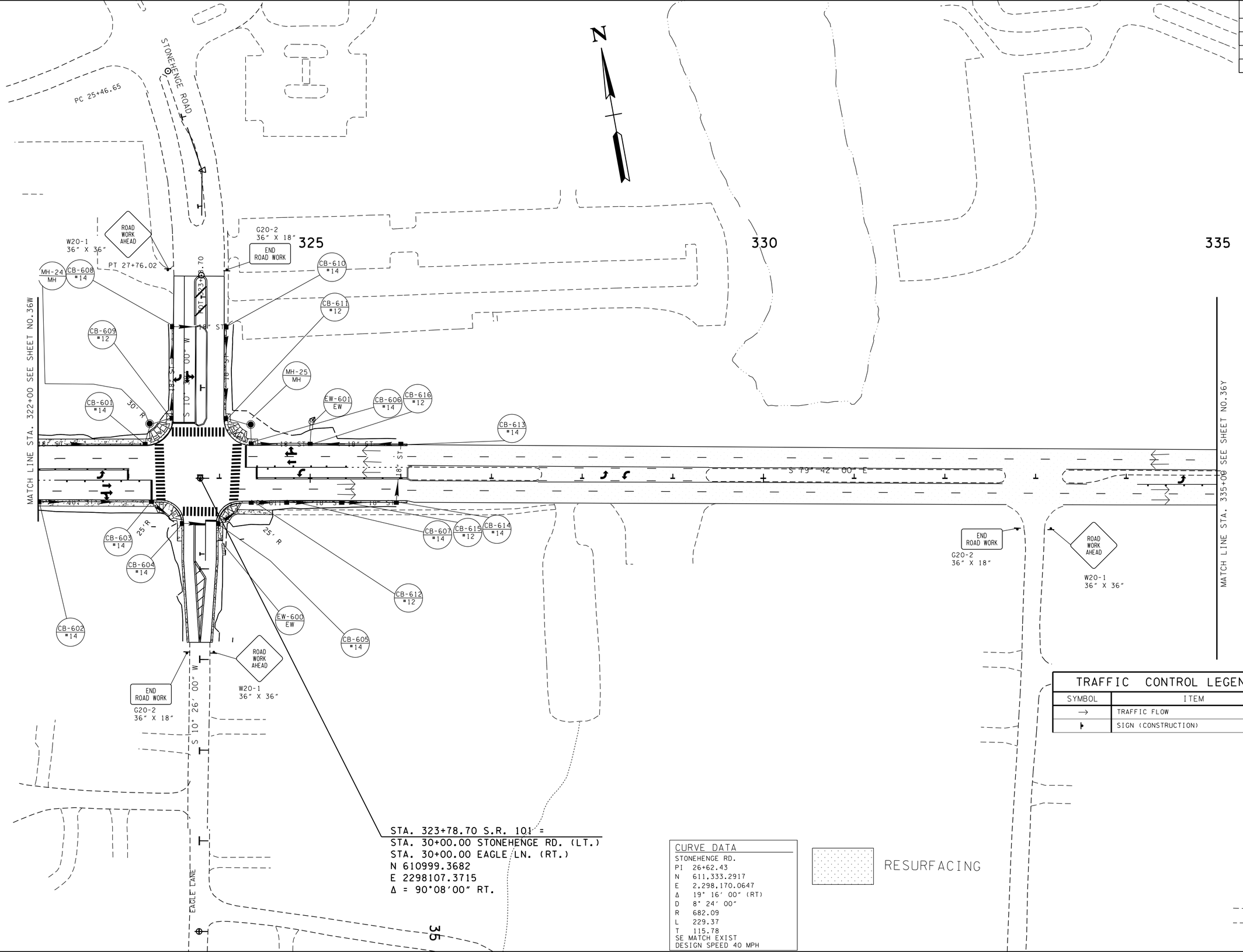
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	36X



PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. FINISH RDY.

TRAFFIC CONTROL PHASE 2= EPSC-STAGE 3

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
▸	SIGN (CONSTRUCTION)

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CONSTRUCTABILITY FIELD REVIEW

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CURVE DATA	
STONEHENGE RD.	
PI	26+62.43
N	611,333.2917
E	2,298,170.0647
Δ	19° 16' 00" (RT)
D	8° 24' 00"
R	682.09
L	229.37
T	115.78
SE MATCH EXIST	
DESIGN SPEED 40 MPH	

RESURFACING

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE TWO

STA. 322+00 TO STA. 335+00

SCALE: 1"= 50'

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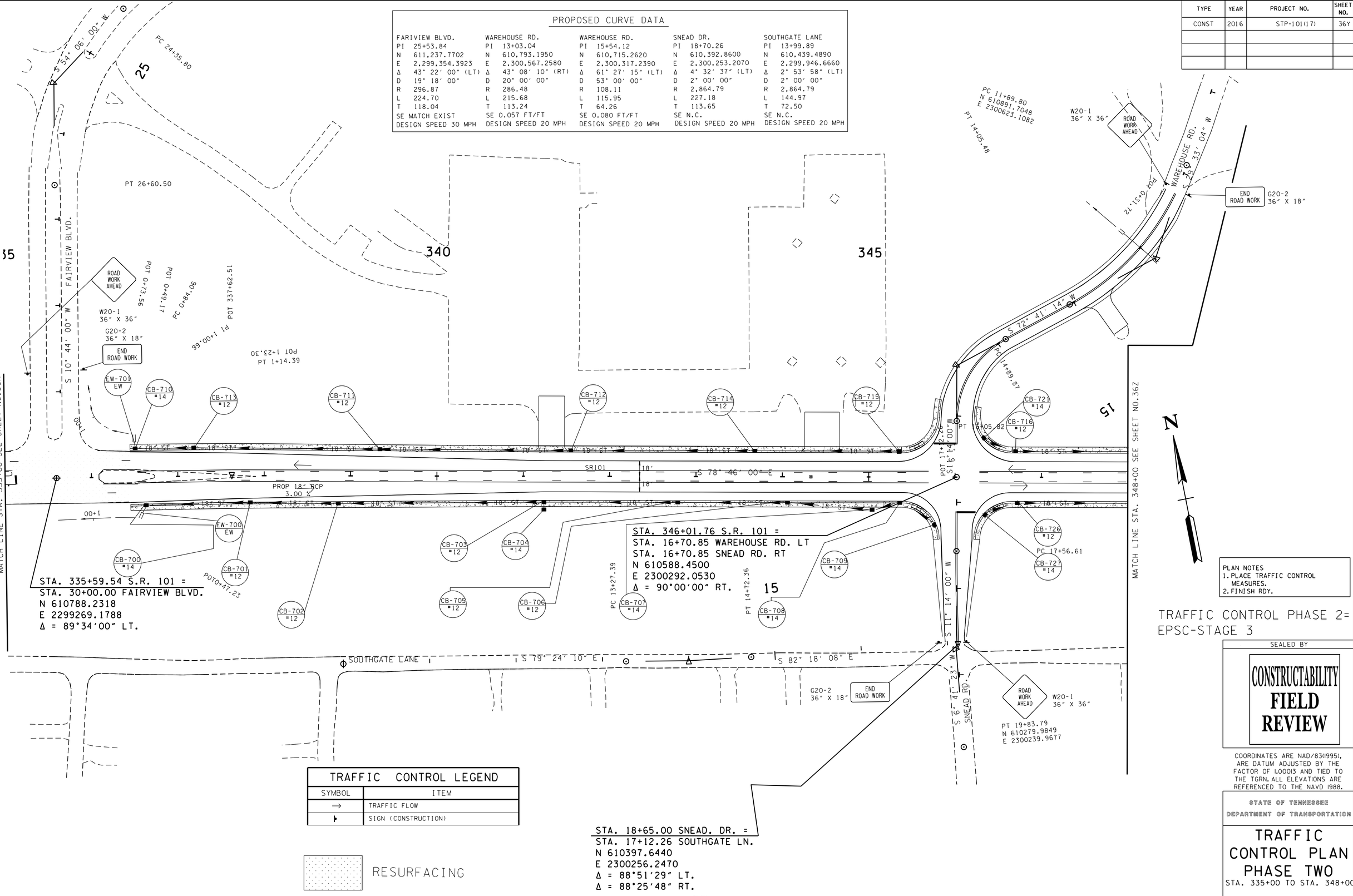
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	36Y

PROPOSED CURVE DATA

FARIVIEW BLVD.	WAREHOUSE RD.	WAREHOUSE RD.	SNEAD DR.	SOUTHGATE LANE
PI 25+53.84	PI 13+03.04	PI 15+54.12	PI 18+70.26	PI 13+99.89
N 611,237.7702	N 610,793.1950	N 610,715.2620	N 610,392.8600	N 610,439.4890
E 2,299,354.3923	E 2,300,567.2580	E 2,300,317.2390	E 2,300,253.2070	E 2,299,946.6660
Δ 43° 22′ 00″ (LT)	Δ 43° 08′ 10″ (RT)	Δ 61° 27′ 15″ (LT)	Δ 4° 32′ 37″ (LT)	Δ 2° 53′ 58″ (LT)
D 19° 18′ 00″	D 20° 00′ 00″	D 53° 00′ 00″	D 2° 00′ 00″	D 2° 00′ 00″
R 296.87	R 286.48	R 108.11	R 2,864.79	R 2,864.79
L 224.70	L 215.68	L 115.95	L 227.18	L 144.97
T 118.04	T 113.24	T 64.26	T 113.65	T 72.50
SE MATCH EXIST	SE 0.057 FT/FT	SE 0.080 FT/FT	SE N.C.	SE N.C.
DESIGN SPEED 30 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH



PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. FINISH RDY.

TRAFFIC CONTROL PHASE 2=
EPSC-STAGE 3

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
⊢	SIGN (CONSTRUCTION)

RESURFACING

STA. 18+65.00 SNEAD. DR. =
STA. 17+12.26 SOUTHGATE LN.
N 610397.6440
E 2300256.2470
Δ = 88°51′29″ LT.
Δ = 88°25′48″ RT.

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CONSTRUCTABILITY FIELD REVIEW

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

TRAFFIC CONTROL PLAN PHASE TWO

STA. 335+00 TO STA. 348+00

SCALE: 1"= 50′

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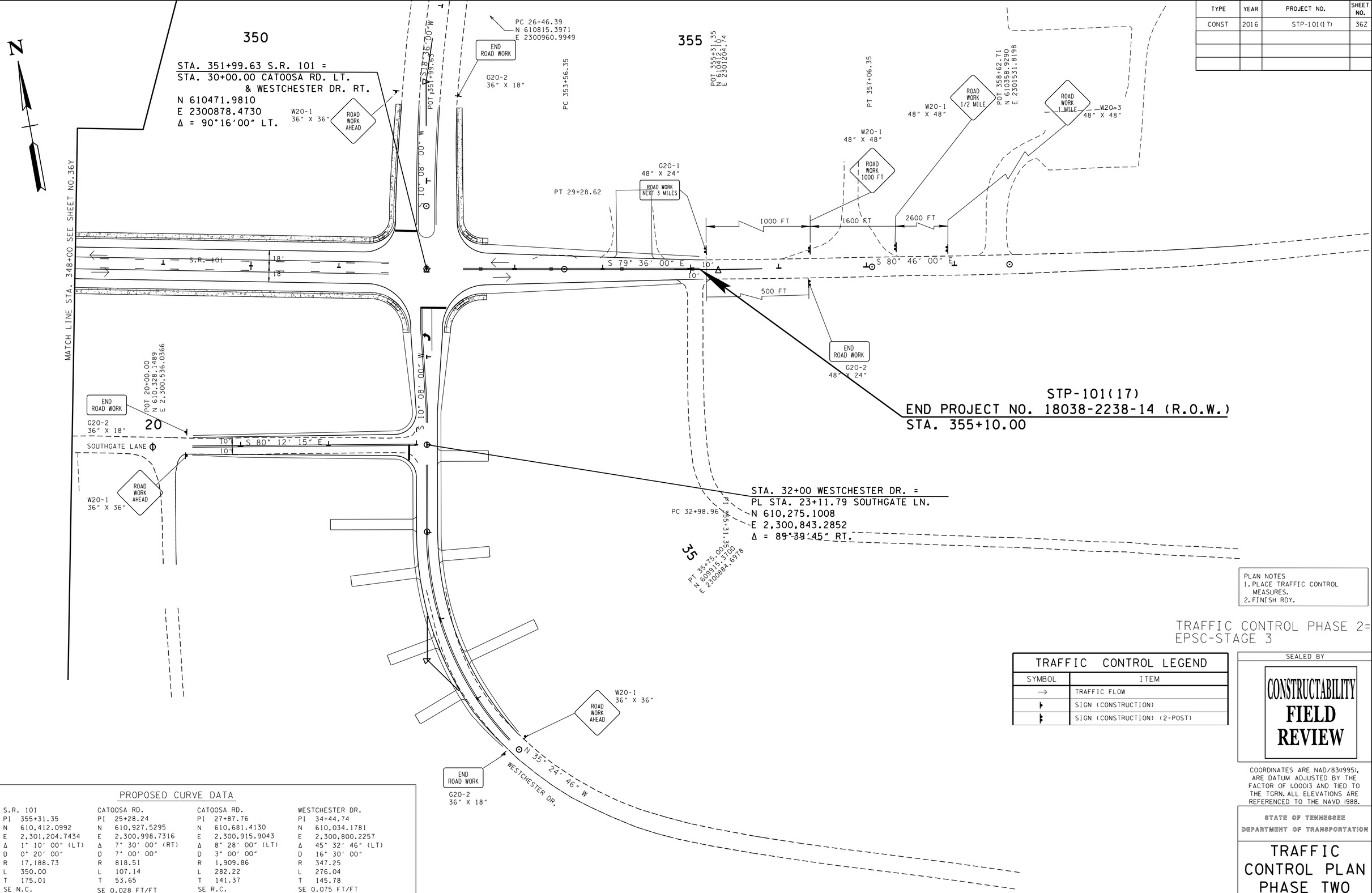
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	36Z



PLAN NOTES
1. PLACE TRAFFIC CONTROL MEASURES.
2. FINISH RDY.

TRAFFIC CONTROL PHASE 2=
EPSC-STAGE 3

PROPOSED CURVE DATA

S.R. 101	CATOOSA RD.	CATOOSA RD.	WESTCHESTER DR.
PI 355+31.35	PI 25+28.24	PI 27+87.76	PI 34+44.74
N 610,412.0992	N 610,927.5295	N 610,681.4130	N 610,034.1781
E 2,301,204.7434	E 2,300,998.7316	E 2,300,915.9043	E 2,300,800.2257
Δ 1° 10′ 00″ (LT)	Δ 7° 30′ 00″ (RT)	Δ 8° 28′ 00″ (LT)	Δ 45° 32′ 46″ (LT)
D 0° 20′ 00″	D 7° 00′ 00″	D 3° 00′ 00″	D 16° 30′ 00″
R 17,188.73	R 818.51	R 1,909.86	R 347.25
L 350.00	L 107.14	L 282.22	L 276.04
T 175.01	T 53.65	T 141.37	T 145.78
SE N.C.	SE 0.028 FT/FT	SE R.C.	SE 0.075 FT/FT
DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 30 MPH
			RUNOFF 101.3′ (14% OUTSIDE 89% INSIDE)

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	SIGN (CONSTRUCTION) (2-POST)

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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 PHASE TWO

STA. 348+00 TO STA. 358+00

SCALE: 1"= 50′

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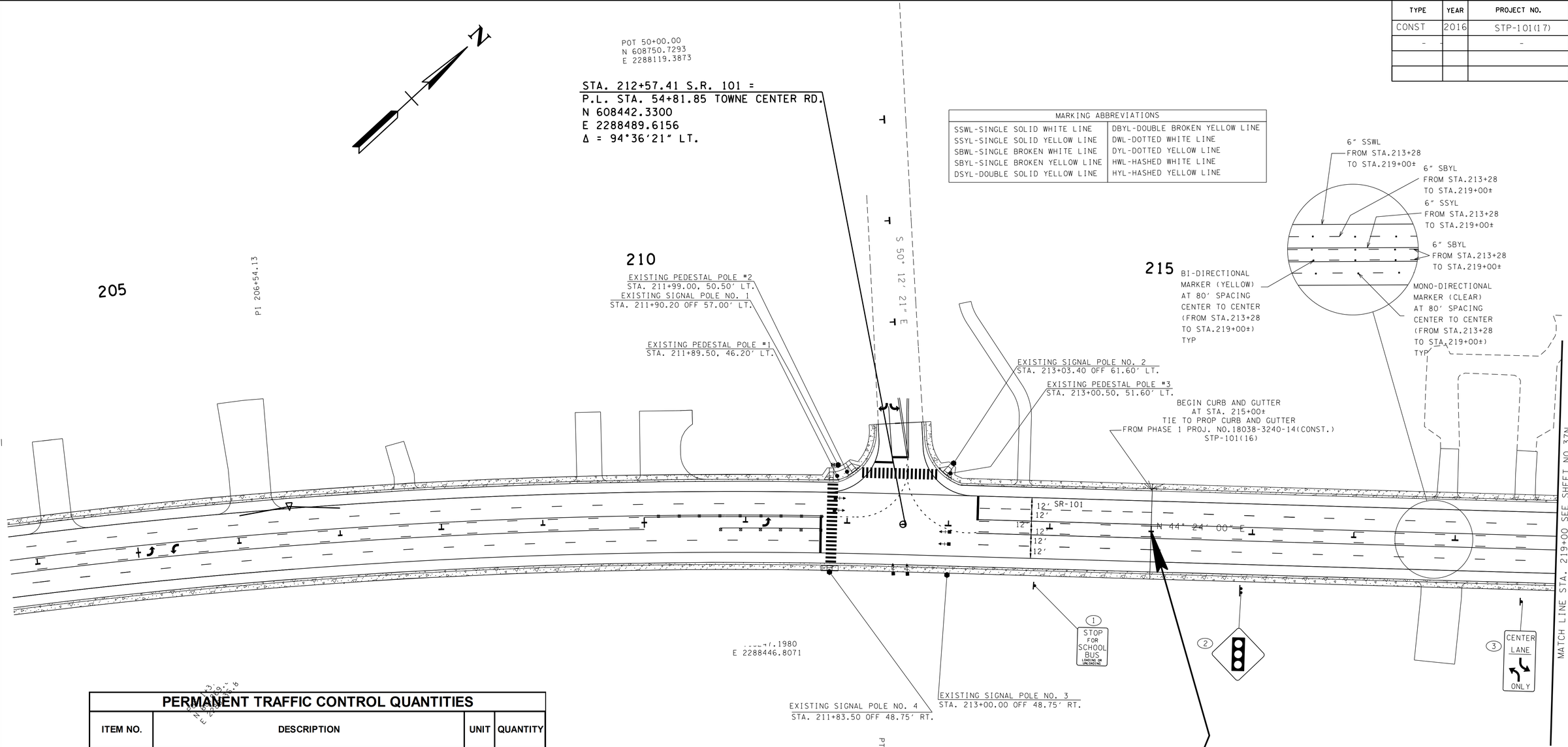
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	37M
-	-	-	-

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



MARKING ABBREVIATIONS	
SSWL-SINGLE SOLID WHITE LINE	DBYL-DOUBLE BROKEN YELLOW LINE
SSYL-SINGLE SOLID YELLOW LINE	DWL-DOTTED WHITE LINE
SBWL-SINGLE BROKEN WHITE LINE	DYL-DOTTED YELLOW LINE
SBYL-SINGLE BROKEN YELLOW LINE	HWL-HASHED WHITE LINE
DSYL-DOUBLE SOLID YELLOW LINE	HYL-HASHED YELLOW LINE

PERMANENT TRAFFIC CONTROL QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1)	716-01.21	SNWPLWBLE PVMT MRKRS (BI-DIR)(1 COLOR)	EACH	328
2)	716-01.22	SNWPLWBLE PVMT MRKRS (MONO-DIR)(1 COLOR)	EACH	335
4)	716-01.23	SNWPLWBLE PVMT MRKRS (BI-DIR)(2 COLOR)	EACH	25
	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	98
	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	680
	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	22
	716-02.08	PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.	39
	716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	920
	716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	3
	716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	2
	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	17.8
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	3781
	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	259
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	207
3)	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1

FOOTNOTES

1) YELLOW
2) CLEAR
3) APPROXIMATELY 35 EXISTING SIGNS AND SUPPORTS WITHIN THE GRADING LIMITS OF THE PROJECT

STP-101(16)
END PHASE 1 PROJ. NO. 18038-3240-14 (CONST.)
STA. 215+00.00

STP-101(17)
BEGIN PHASE 2 PROJ. NO. 18038-3242-14 (CONST.)
STA. 215+00.00

SEALED BY

CONSTRUCTABILITY
FIELD
REVIEW

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

SIGNING & PVMT MARKING DETAIL

STA. 206+00 TO STA. 219+00

SCALE: 1"= 50'

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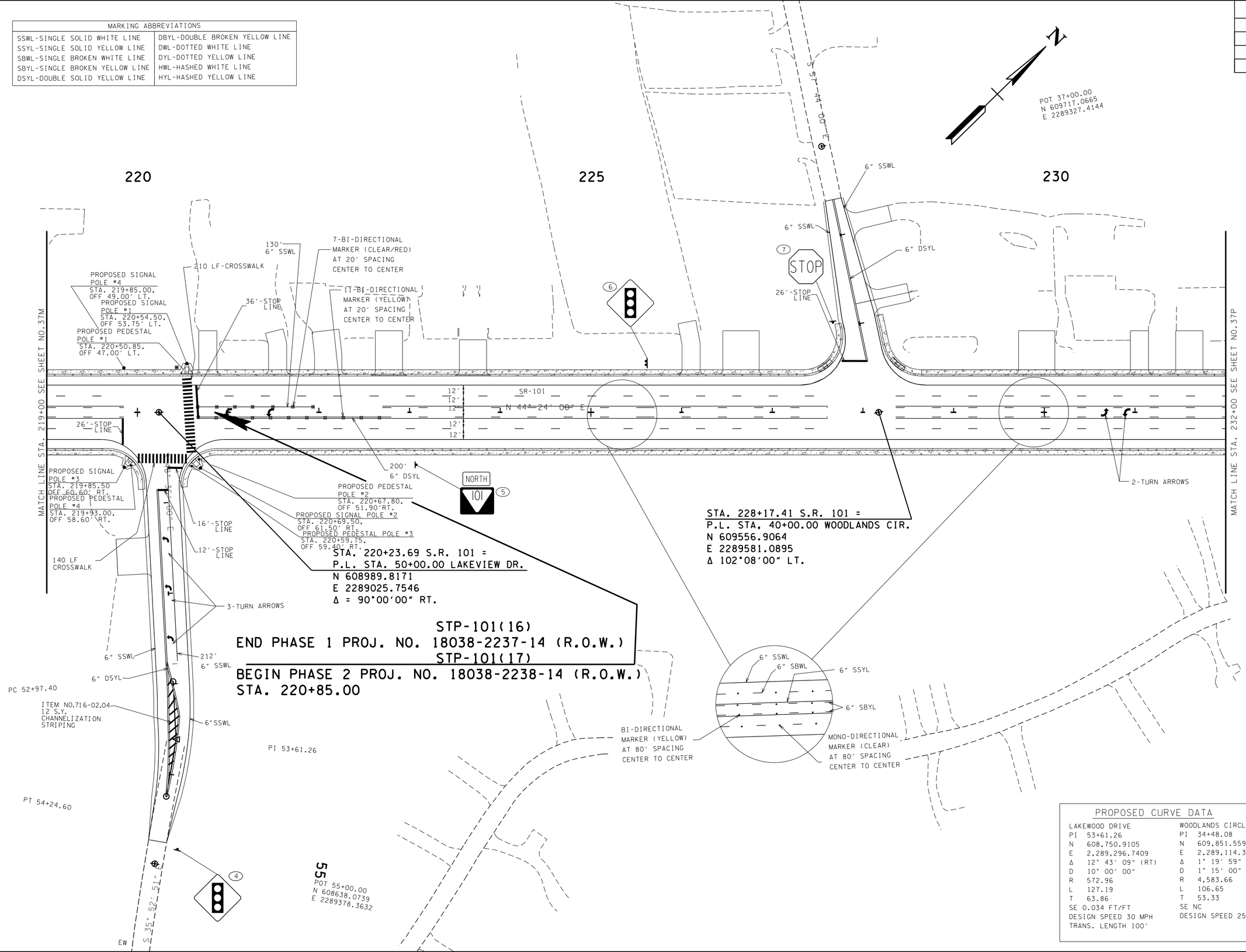
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	37N
-	-	-	-

MARKING ABBREVIATIONS	
SSWL-SINGLE SOLID WHITE LINE	DBYL-DOUBLE BROKEN YELLOW LINE
SSYL-SINGLE SOLID YELLOW LINE	DWL-DOTTED WHITE LINE
SBWL-SINGLE BROKEN WHITE LINE	DYL-DOTTED YELLOW LINE
SBYL-SINGLE BROKEN YELLOW LINE	HWL-HASHED WHITE LINE
DSYL-DOUBLE SOLID YELLOW LINE	HYL-HASHED YELLOW LINE



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	SE NC
DESIGN SPEED 30 MPH	DESIGN SPEED 25 MPH
TRANS. LENGTH 100'	

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CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PVMT MARKING DETAIL

STA. 219+00 TO STA. 232+00

SCALE: 1"= 50'

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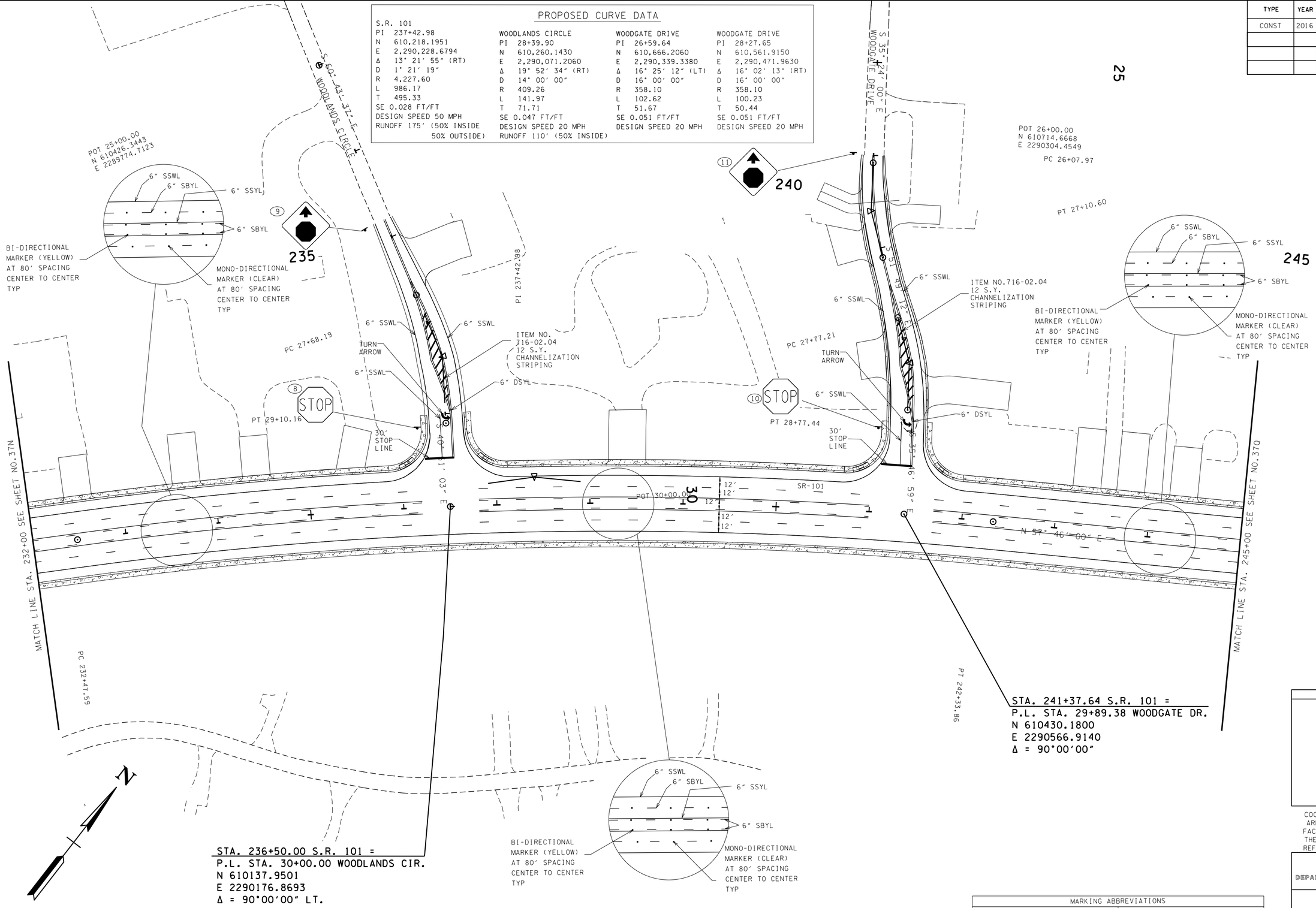
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	37P

PROPOSED CURVE DATA

S.R. 101	WOODLANDS CIRCLE	WOODGATE DRIVE	WOODGATE DRIVE
PI 237+42.98	PI 28+39.90	PI 26+59.64	PI 28+27.65
N 610,218.1951	N 610,260.1430	N 610,666.2060	N 610,561.9150
E 2,290,228.6794	E 2,290,071.2060	E 2,290,339.3380	E 2,290,471.9630
Δ 13° 21′ 55″ (RT)	Δ 19° 52′ 34″ (RT)	Δ 16° 25′ 12″ (LT)	Δ 16° 02′ 13″ (RT)
D 1° 21′ 19″	D 14° 00′ 00″	D 16° 00′ 00″	D 16° 00′ 00″
R 4,227.60	R 409.26	R 358.10	R 358.10
L 986.17	L 141.97	L 102.62	L 100.23
T 495.33	T 71.71	T 51.67	T 50.44
SE 0.028 FT/FT	SE 0.047 FT/FT	SE 0.051 FT/FT	SE 0.051 FT/FT
DESIGN SPEED 50 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH
RUNOFF 175′ (50% INSIDE 50% OUTSIDE)	RUNOFF 110′ (50% INSIDE)		



MARKING ABBREVIATIONS	
SSWL-SINGLE SOLID WHITE LINE	DBYL-DOUBLE BROKEN YELLOW LINE
SSYL-SINGLE SOLID YELLOW LINE	DWL-DOTTED WHITE LINE
SBWL-SINGLE BROKEN WHITE LINE	DYL-DOTTED YELLOW LINE
SBYL-SINGLE BROKEN YELLOW LINE	HWL-HASHED WHITE LINE
DSYL-DOUBLE SOLID YELLOW LINE	HYL-HASHED YELLOW LINE

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CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PVMT MARKING DETAIL

STA. 232+00 TO STA. 245+00

SCALE: 1″= 50′

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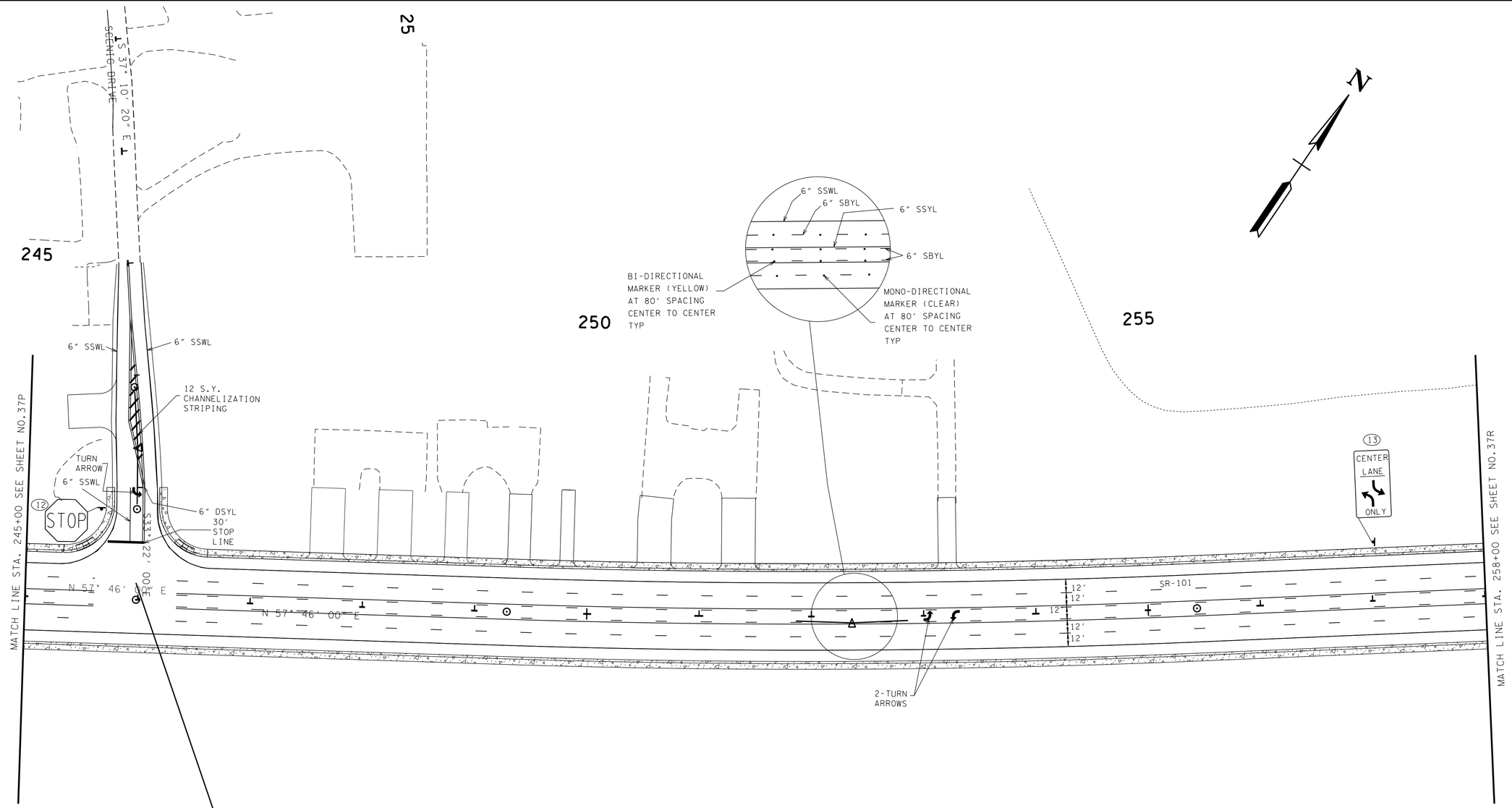
TENNESSEE D.O.T.	
DESIGN DIVISION	
FILE NO.	

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	370



STA. 245+98.39 S.R.101 =
P.L. STA. 29+99.99 SCENIC DRIVE
N 610676.8510
E 2290956.0630
Δ = 90°00'00"

PROPOSED CURVE DATA

S.R. 101	SCENIC DRIVE
PI 252+36.22	PI 28+64.97
N 611,017.0496	N 610,789.6506
E 2,291,495.5929	E 2,290,881.7791
Δ 4° 16' 02" (LT)	Δ 3° 48' 19" (RT)
D 0° 41' 39"	D 3° 30' 00"
R 8,253.89	R 1,637.02
L 614.65	L 108.72
T 307.47	T 54.38
SE R.C.	SE 0.028 FT/FT
DESIGN SPEED 50 MPH	DESIGN SPEED 30 MPH
	RUNOFF 100' (50% INSIDE)

MARKING ABBREVIATIONS

SSWL-SINGLE SOLID WHITE LINE	DBYL-DOUBLE BROKEN YELLOW LINE
SSYL-SINGLE SOLID YELLOW LINE	DWL-DOTTED WHITE LINE
SBWL-SINGLE BROKEN WHITE LINE	DYL-DOTTED YELLOW LINE
SBYL-SINGLE BROKEN YELLOW LINE	HWL-HASHED WHITE LINE
DSYL-DOUBLE SOLID YELLOW LINE	HYL-HASHED YELLOW LINE

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PVMT MARKING DETAIL

STA. 245+00 TO STA. 258+00

SCALE: 1"= 50'

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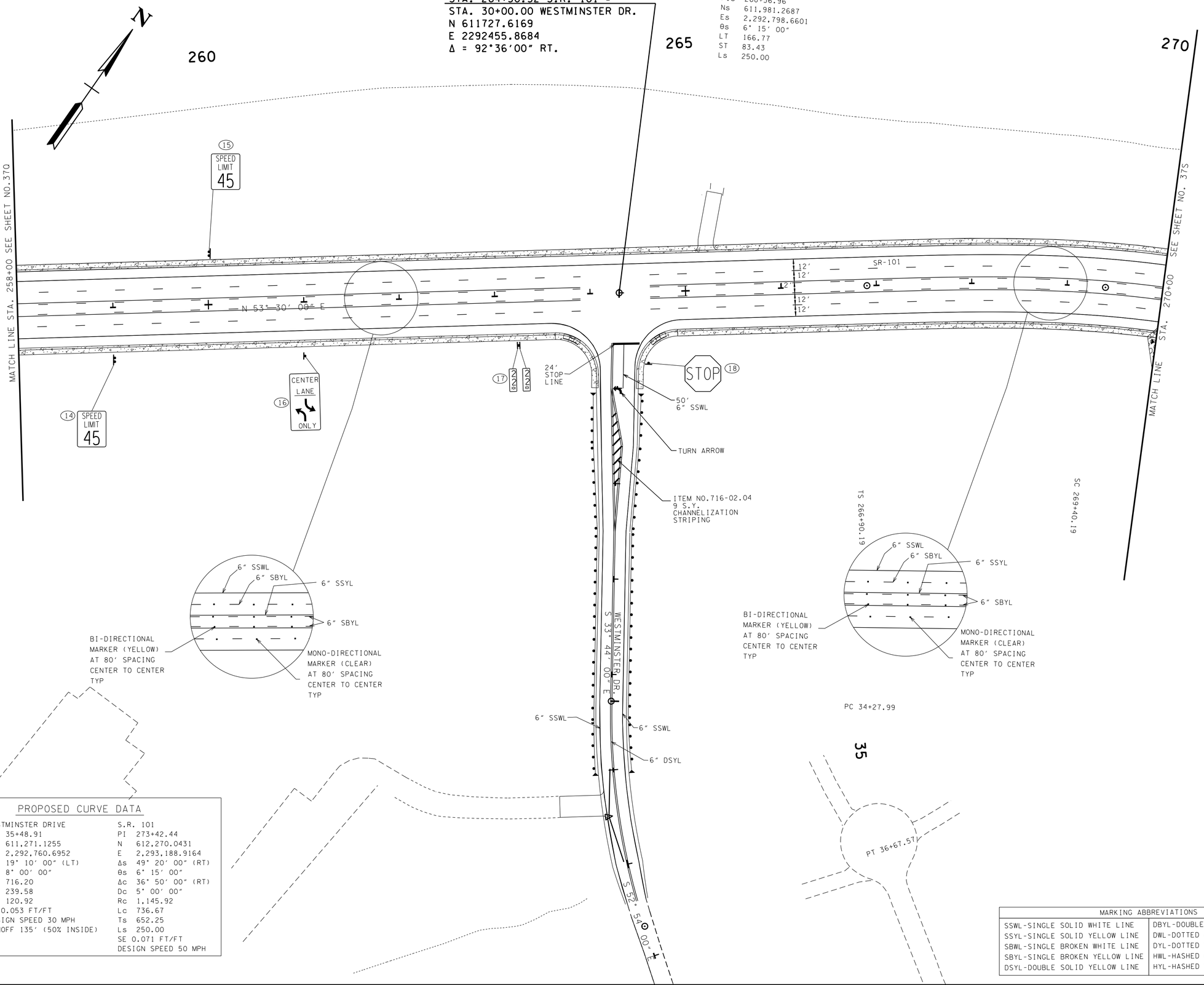
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	37R

STA. 264+30.52 S.R. 101 =
STA. 30+00.00 WESTMINSTER DR.
N 611727.6169
E 2292455.8684
Δ = 92°36′00″ RT.

SPIRAL S101SC7B
PIs 268+56.96
Ns 611,981.2687
Es 2,292,798.6601
θs 6° 15′ 00″
LT 166.77
ST 83.43
Ls 250.00



PROPOSED CURVE DATA

WESTMINSTER DRIVE	S.R. 101
PI 35+48.91	PI 273+42.44
N 611,271.1255	N 612,270.0431
E 2,292,760.6952	E 2,293,188.9164
Δ 19° 10′ 00″ (LT)	Δs 49° 20′ 00″ (RT)
D 8° 00′ 00″	θs 6° 15′ 00″
R 716.20	Δc 36° 50′ 00″ (RT)
L 239.58	Dc 5° 00′ 00″
T 120.92	Rc 1,145.92
SE 0.053 FT/FT	Lc 736.67
DESIGN SPEED 30 MPH	Ts 652.25
RUNOFF 135′ (50% INSIDE)	Ls 250.00
	SE 0.071 FT/FT
	DESIGN SPEED 50 MPH

MARKING ABBREVIATIONS	
SSWL-SINGLE SOLID WHITE LINE	DBYL-DOUBLE BROKEN YELLOW LINE
SSYL-SINGLE SOLID YELLOW LINE	DWL-DOTTED WHITE LINE
SBWL-SINGLE BROKEN WHITE LINE	DYL-DOTTED YELLOW LINE
SBYL-SINGLE BROKEN YELLOW LINE	HWL-HASHED WHITE LINE
DSYL-DOUBLE SOLID YELLOW LINE	HYL-HASHED YELLOW LINE

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PVMT MARKING DETAIL

STA. 258+00 TO STA. 270+00

SCALE: 1″= 50′

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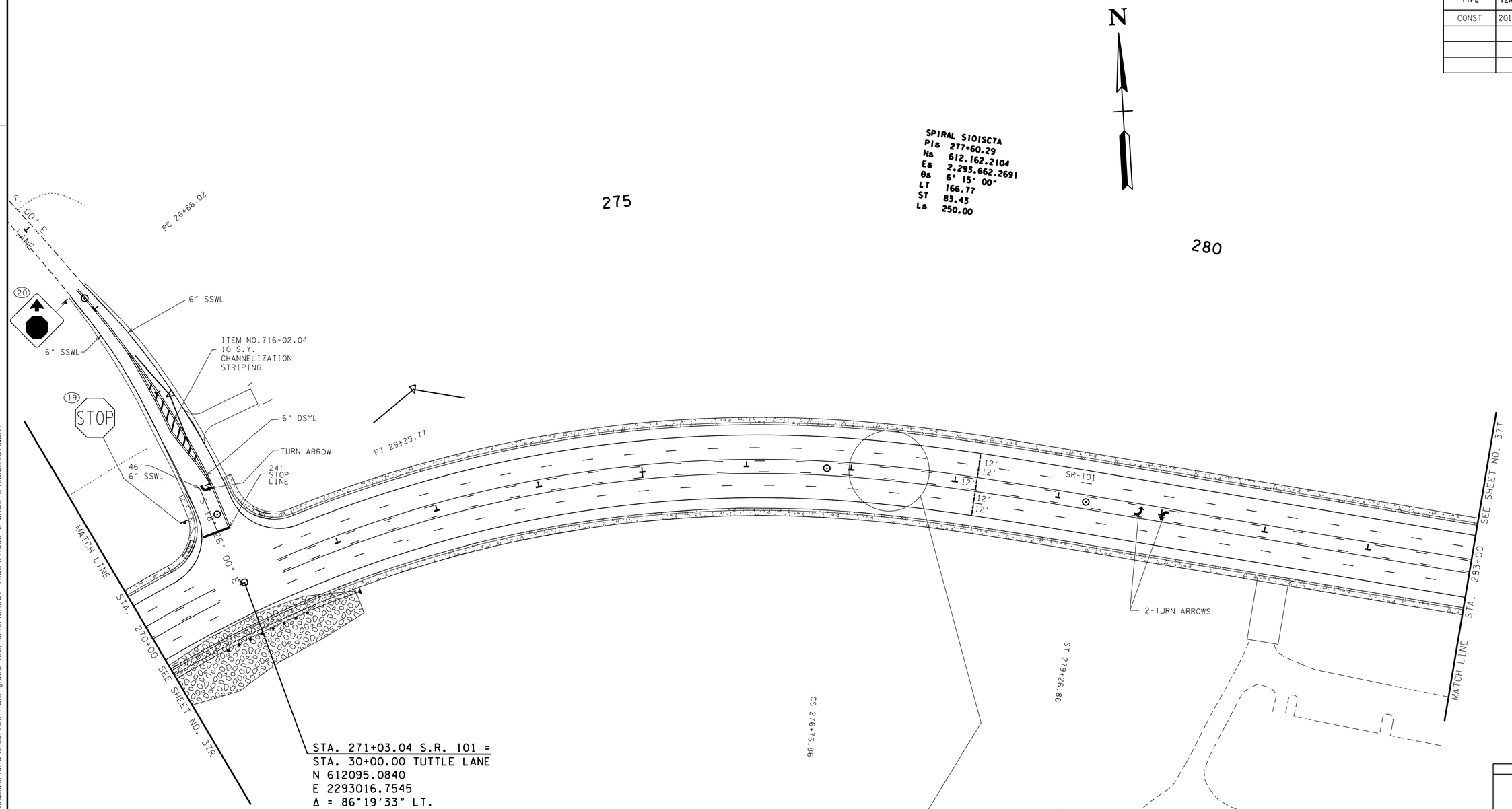
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

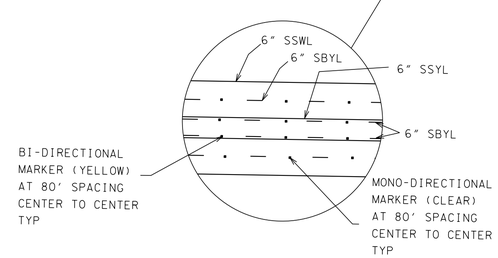
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	37S



STA. 271+03.04 S.R. 101 =
STA. 30+00.00 TUTTLE LANE
N 612095.0840
E 2293016.7545
Δ = 86°19'33" LT.

PROPOSED CURVE DATA

S.R. 101	TUTTLE LANE
PI 273+42.44	PI 28+09.08
N 612,270.0431	N 612,278.4632
E 2,293,188.9164	E 2,292,955.6340
Δs 49° 20' 00" (RT)	Δ 19° 30' 00" (RT)
θs 6° 15' 00"	D 8° 00' 00"
Δc 36° 50' 00" (RT)	R 716.20
Dc 5° 00' 00"	L 243.75
Rc 1,145.92	T 123.07
Lc 736.67	SE 0.031 FT/FT
Ts 652.25	DESIGN SPEED 20 MPH
Ls 250.00	RUNOFF 18' (100% INSIDE)
SE 0.071 FT/FT	
DESIGN SPEED 50 MPH	



MARKING ABBREVIATIONS	
SSWL-SINGLE SOLID WHITE LINE	DBYL-DOUBLE BROKEN YELLOW LINE
SSYL-SINGLE SOLID YELLOW LINE	DWL-DOTTED WHITE LINE
SBWL-SINGLE BROKEN WHITE LINE	DYL-DOTTED YELLOW LINE
SBYL-SINGLE BROKEN YELLOW LINE	HWL-HASHED WHITE LINE
DSYL-DOUBLE SOLID YELLOW LINE	HYL-HASHED YELLOW LINE

SEALED BY

CONSTRUCTABILITY
FIELD
REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PVMT MARKING DETAIL

STA. 270+00 TO STA. 283+00

SCALE: 1"= 50'

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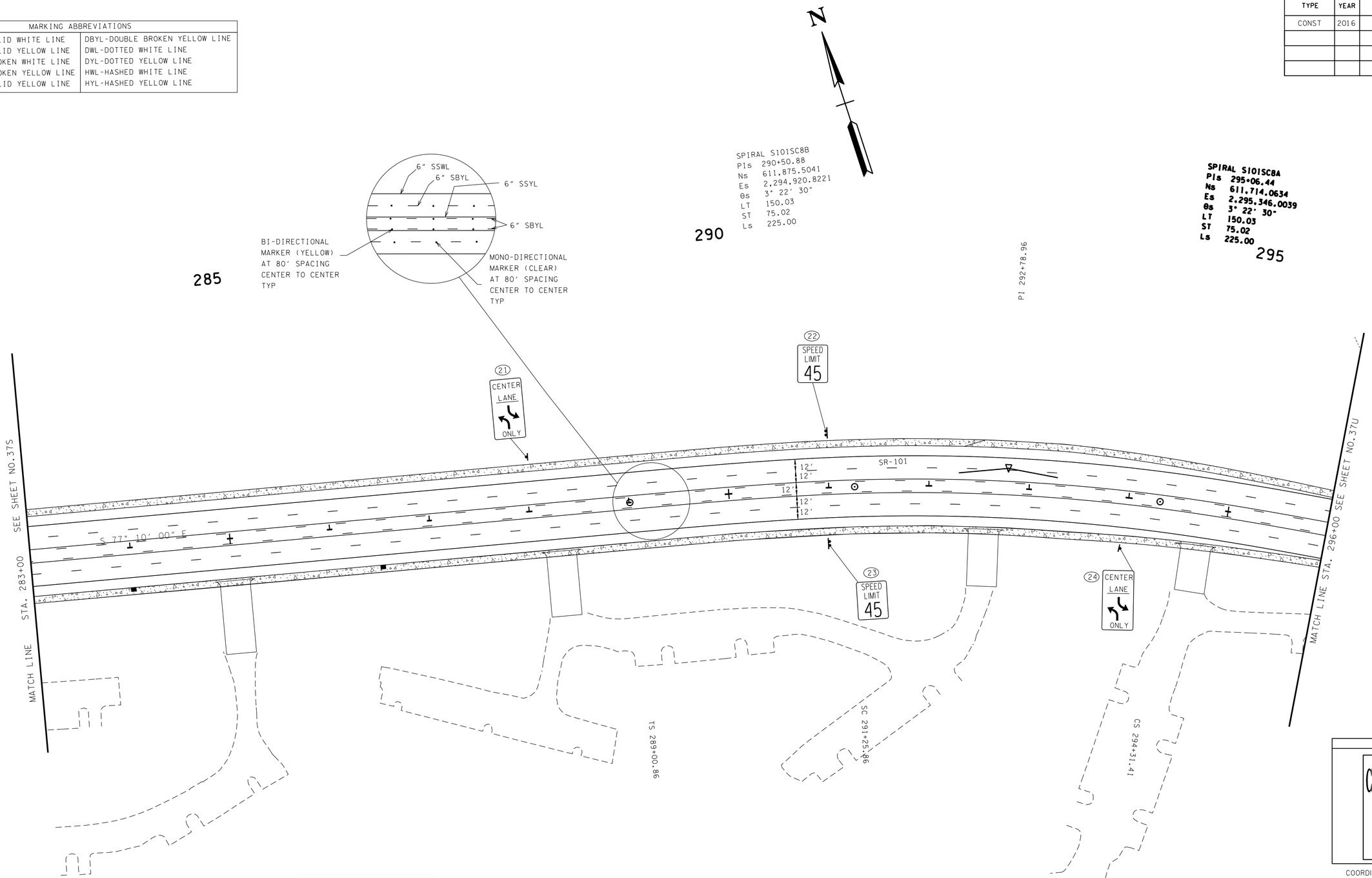
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	37T

MARKING ABBREVIATIONS	
SSWL-SINGLE SOLID WHITE LINE	DBYL-DOUBLE BROKEN YELLOW LINE
SSYL-SINGLE SOLID YELLOW LINE	DWL-DOTTED WHITE LINE
SBWL-SINGLE BROKEN WHITE LINE	DYL-DOTTED YELLOW LINE
SBYL-SINGLE BROKEN YELLOW LINE	HWL-HASHED WHITE LINE
DSYL-DOUBLE SOLID YELLOW LINE	HYL-HASHED YELLOW LINE



PROPOSED CURVE DATA

S.R. 101
PI 292+80.50
N 611,824.5038
E 2,295,144.6977
Δs 15° 55' 00" (RT)
θs 3° 22' 30"
Δc 9° 10' 00" (RT)
Dc 3° 00' 00"
Rc 1,909.86
Lc 305.56
Ts 379.64
Ls 225.00
SE 0.053 FT/FT
DESIGN SPEED 50 MPH

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PVMT MARKING DETAIL

STA. 283+00 TO STA. 296+00

SCALE: 1"= 50'

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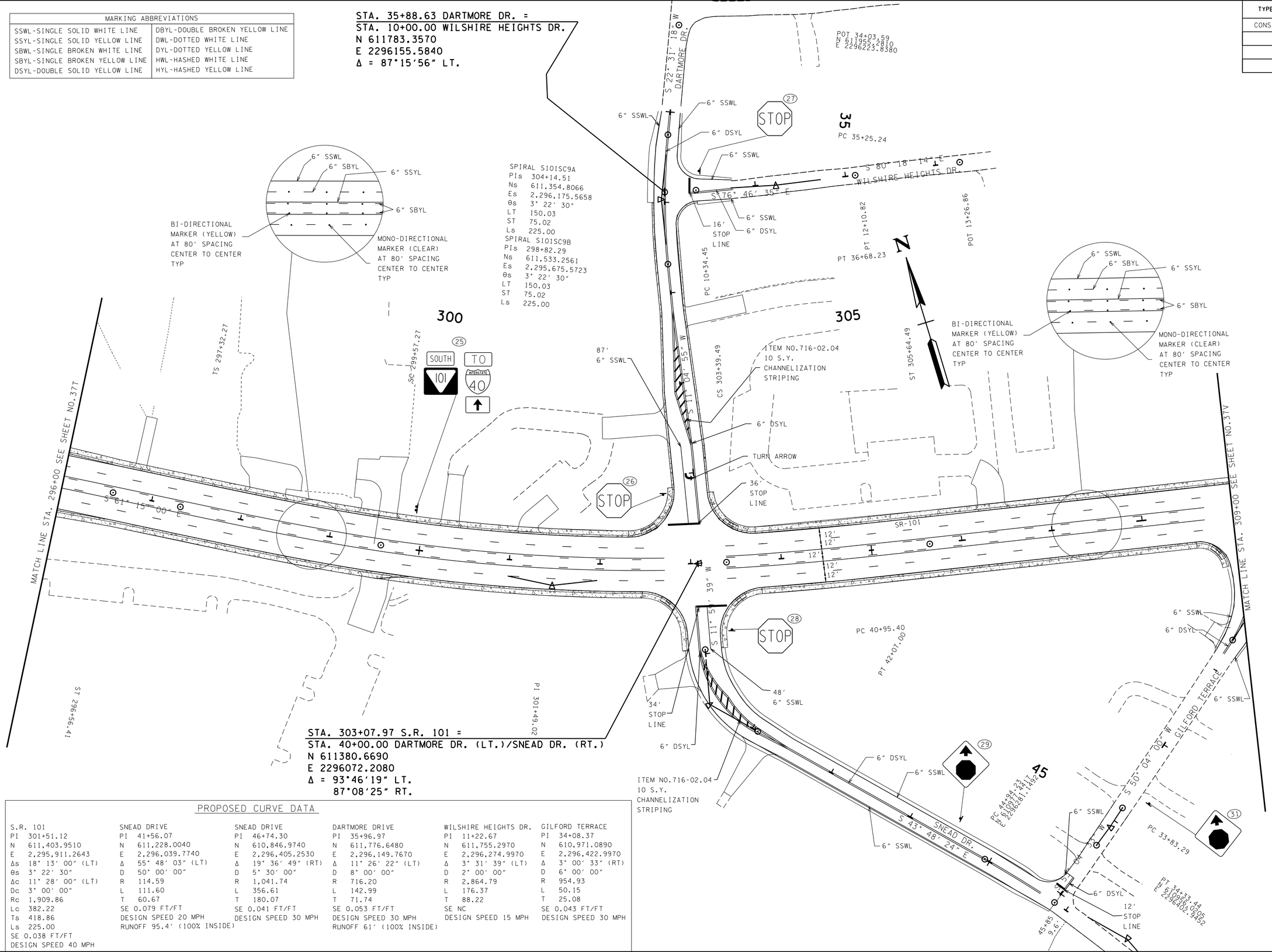
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	37U

MARKING ABBREVIATIONS	
SSWL-SINGLE SOLID WHITE LINE	DBYL-DOUBLE BROKEN YELLOW LINE
SSYL-SINGLE SOLID YELLOW LINE	DWL-DOTTED WHITE LINE
SBWL-SINGLE BROKEN WHITE LINE	DYL-DOTTED YELLOW LINE
SBYL-SINGLE BROKEN YELLOW LINE	HWL-HASHED WHITE LINE
DSYL-DOUBLE SOLID YELLOW LINE	HYL-HASHED YELLOW LINE

STA. 35+88.63 DARTMORE DR. =
STA. 10+00.00 WILSHIRE HEIGHTS DR.
N 611783.3570
E 2296155.5840
Δ = 87°15′56″ LT.



PROPOSED CURVE DATA

S.R. 101	SNEAD DRIVE	SNEAD DRIVE	DARTMORE DRIVE	WILSHIRE HEIGHTS DR.	GILFORD TERRACE
PI 301+51.12	PI 41+56.07	PI 46+74.30	PI 35+96.97	PI 11+22.67	PI 34+08.37
N 611,403.9510	N 611,228.0040	N 610,846.9740	N 611,776.6480	N 611,755.2970	N 610,971.0890
E 2,295,911.2643	E 2,296,039.7740	E 2,296,405.2530	E 2,296,149.7670	E 2,296,274.9970	E 2,296,422.9970
Δs 18° 13′ 00″ (LT)	Δ 55° 48′ 03″ (LT)	Δ 19° 36′ 49″ (RT)	Δ 11° 26′ 22″ (LT)	Δ 3° 31′ 39″ (LT)	Δ 3° 00′ 33″ (RT)
θs 3° 22′ 30″	D 50° 00′ 00″	D 5° 30′ 00″	D 8° 00′ 00″	D 2° 00′ 00″	D 6° 00′ 00″
Δc 11° 28′ 00″ (LT)	R 114.59	R 1,041.74	R 716.20	R 2,864.79	R 954.93
Dc 3° 00′ 00″	L 111.60	L 356.61	L 142.99	L 176.37	L 50.15
Rc 1,909.86	T 60.67	T 180.07	T 71.74	T 88.22	T 25.08
Lc 382.22	SE 0.079 FT/FT	SE 0.041 FT/FT	SE 0.053 FT/FT	SE NC	SE 0.043 FT/FT
Ts 418.86	DESIGN SPEED 20 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 30 MPH	DESIGN SPEED 15 MPH	DESIGN SPEED 30 MPH
Ls 225.00	RUNOFF 95.4′ (100% INSIDE)		RUNOFF 61′ (100% INSIDE)		
SE 0.038 FT/FT					
DESIGN SPEED 40 MPH					

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PVMT MARKING DETAIL

STA. 296+00 TO STA. 309+00

SCALE: 1″= 50′

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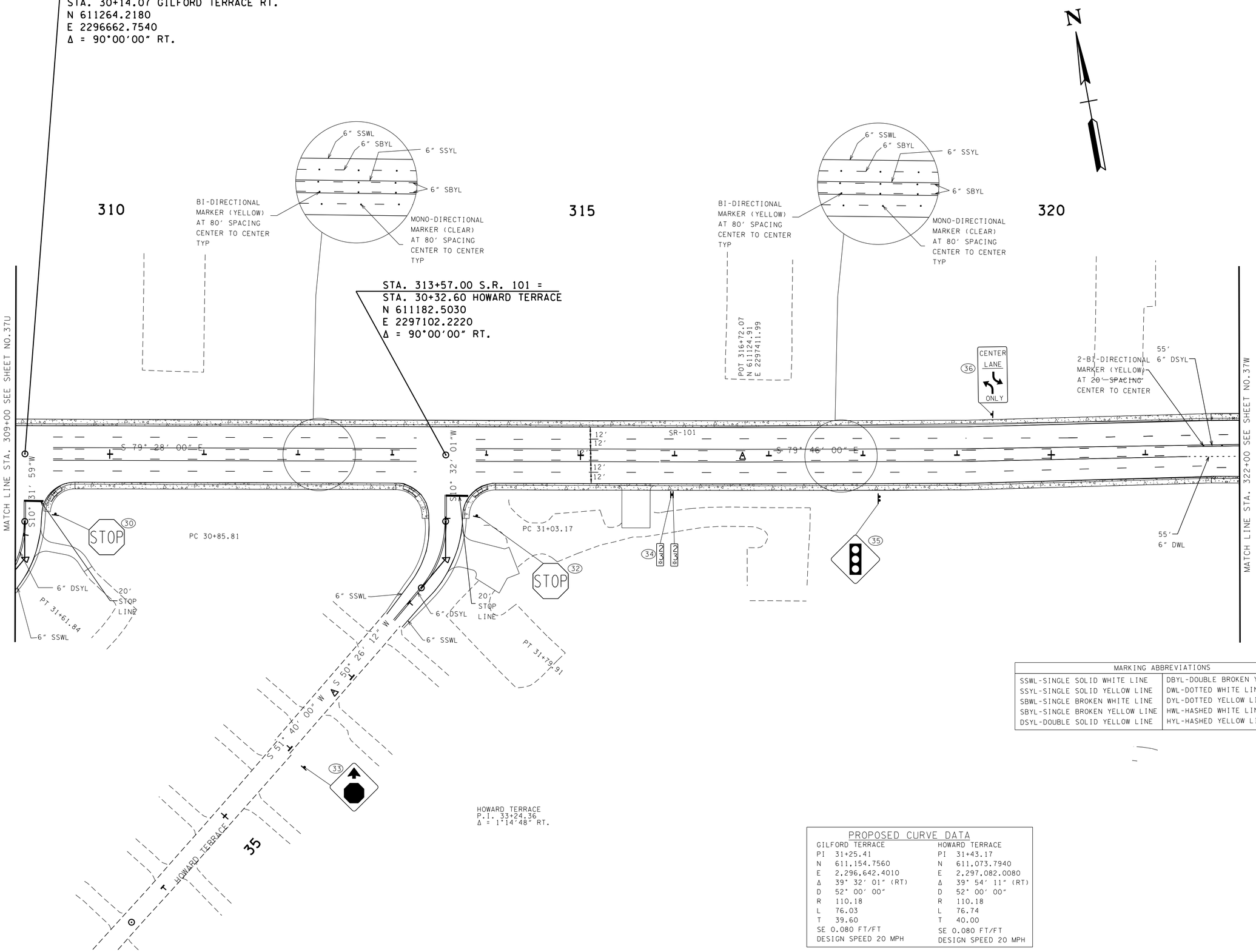
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	37V

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



MARKING ABBREVIATIONS	
SSWL-SINGLE SOLID WHITE LINE	DBYL-DOUBLE BROKEN YELLOW LINE
SSYL-SINGLE SOLID YELLOW LINE	DWL-DOTTED WHITE LINE
SBWL-SINGLE BROKEN WHITE LINE	DYL-DOTTED YELLOW LINE
SBYL-SINGLE BROKEN YELLOW LINE	HWL-HASHED WHITE LINE
DSYL-DOUBLE SOLID YELLOW LINE	HYL-HASHED YELLOW LINE

PROPOSED CURVE DATA

GILFORD TERRACE		HOWARD TERRACE	
PI	31+25.41	PI	31+43.17
N	611,154.7560	N	611,073.7940
E	2,296,642.4010	E	2,297,082.0080
Δ	39° 32′ 01″ (RT)	Δ	39° 54′ 11″ (RT)
D	52° 00′ 00″	D	52° 00′ 00″
R	110.18	R	110.18
L	76.03	L	76.74
T	39.60	T	40.00
SE 0.080 FT/FT		SE 0.080 FT/FT	
DESIGN SPEED 20 MPH		DESIGN SPEED 20 MPH	

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING & PVMT MARKING DETAIL

STA. 310+00 TO STA. 323+00

SCALE: 1″= 50′

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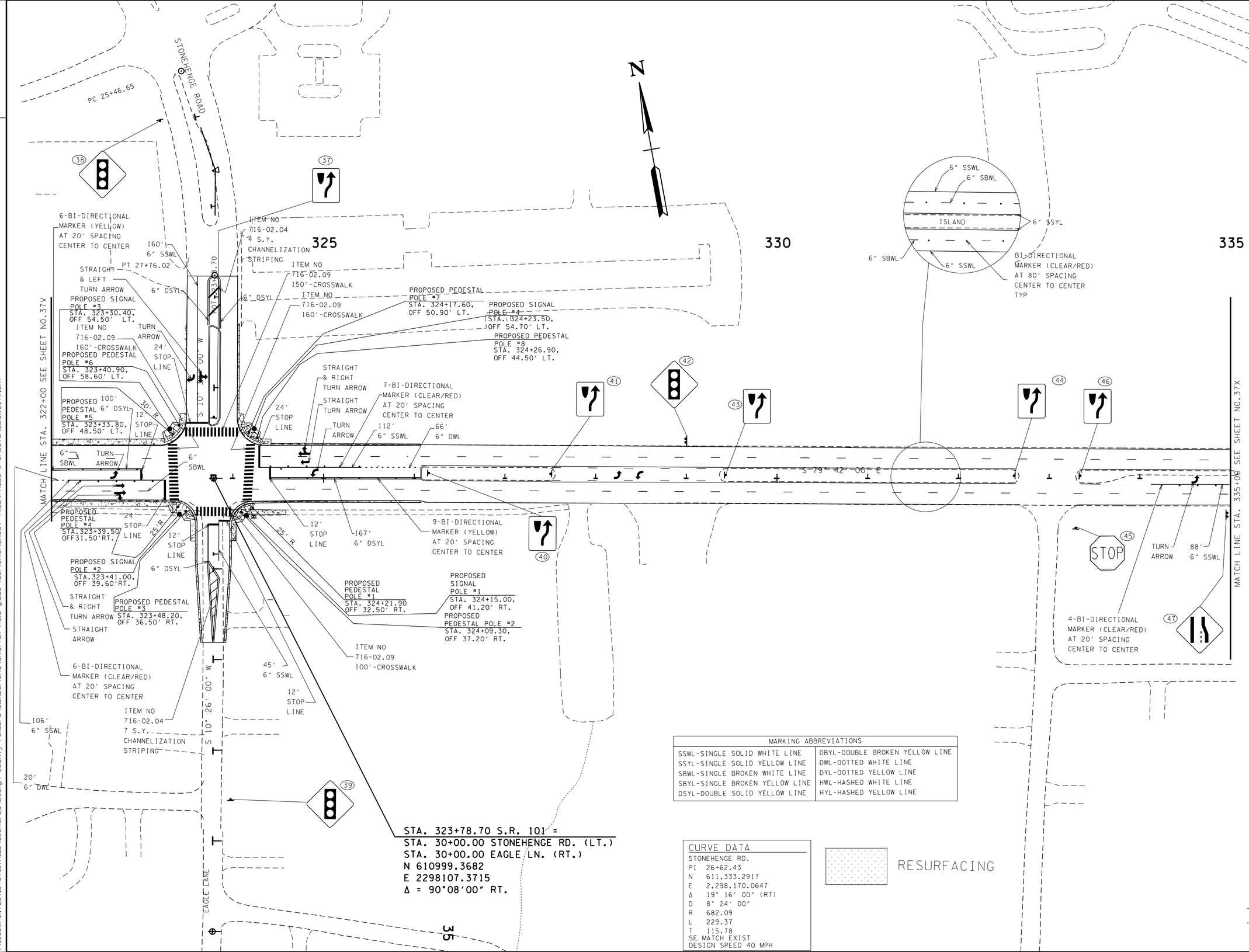
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	37W



MARKING ABBREVIATIONS	
SSWL-SINGLE SOLID WHITE LINE	DBYL-DOUBLE BROKEN YELLOW LINE
SSYL-SINGLE SOLID YELLOW LINE	DWL-DOTTED WHITE LINE
SBWL-SINGLE BROKEN WHITE LINE	DYL-DOTTED YELLOW LINE
SBYL-SINGLE BROKEN YELLOW LINE	HWL-HASHED WHITE LINE
DSYL-DOUBLE SOLID YELLOW LINE	HYL-HASHED YELLOW LINE

CURVE DATA
STONEHENGE RD.
PI 26+62.43
N 611,333.2917
E 2,298,170.0647
Δ 19° 16' 00" (RT)
D 8° 24' 00"
R 682.09
L 229.37
T 115.78
SE MATCH EXIST
DESIGN SPEED 40 MPH

RESURFACING

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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

SIGNING & PVMT MARKING DETAIL

STA. 322+00 TO STA. 335+00

SCALE: 1"= 50'

24-JUN-2016 11:29
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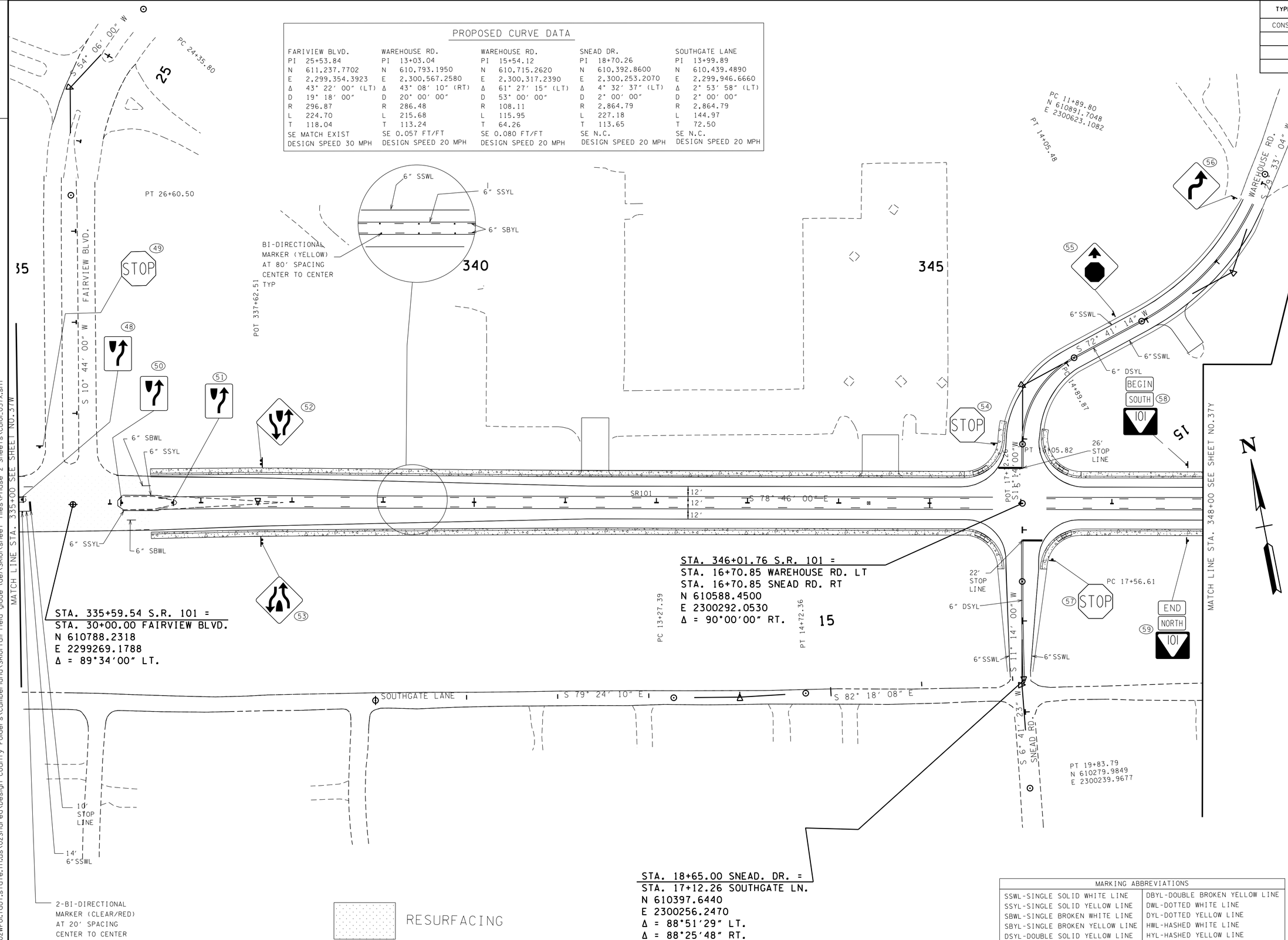
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	37X

PROPOSED CURVE DATA

FARIVIEW BLVD.	WAREHOUSE RD.	WAREHOUSE RD.	SNEAD DR.	SOUTHGATE LANE
PI 25+53.84	PI 13+03.04	PI 15+54.12	PI 18+70.26	PI 13+99.89
N 611,237.7702	N 610,793.1950	N 610,715.2620	N 610,392.8600	N 610,439.4890
E 2,299,354.3923	E 2,300,567.2580	E 2,300,317.2390	E 2,300,253.2070	E 2,299,946.6660
Δ 43° 22′ 00″ (LT)	Δ 43° 08′ 10″ (RT)	Δ 61° 27′ 15″ (LT)	Δ 4° 32′ 37″ (LT)	Δ 2° 53′ 58″ (LT)
D 19° 18′ 00″	D 20° 00′ 00″	D 53° 00′ 00″	D 2° 00′ 00″	D 2° 00′ 00″
R 296.87	R 286.48	R 108.11	R 2,864.79	R 2,864.79
L 224.70	L 215.68	L 115.95	L 227.18	L 144.97
T 118.04	T 113.24	T 64.26	T 113.65	T 72.50
SE MATCH EXIST	SE 0.057 FT/FT	SE 0.080 FT/FT	SE N.C.	SE N.C.
DESIGN SPEED 30 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH



MARKING ABBREVIATIONS	
SSWL-SINGLE SOLID WHITE LINE	DBYL-DOUBLE BROKEN YELLOW LINE
SSYL-SINGLE SOLID YELLOW LINE	DWL-DOTTED WHITE LINE
SBWL-SINGLE BROKEN WHITE LINE	DYL-DOTTED YELLOW LINE
SBYL-SINGLE BROKEN YELLOW LINE	HWL-HASHED WHITE LINE
DSYL-DOUBLE SOLID YELLOW LINE	HYL-HASHED YELLOW LINE

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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

SIGNING & PVMT MARKING DETAIL

STA. 335+00 TO STA. 348+00

SCALE: 1″= 50′

24-JUN-2016 11:29
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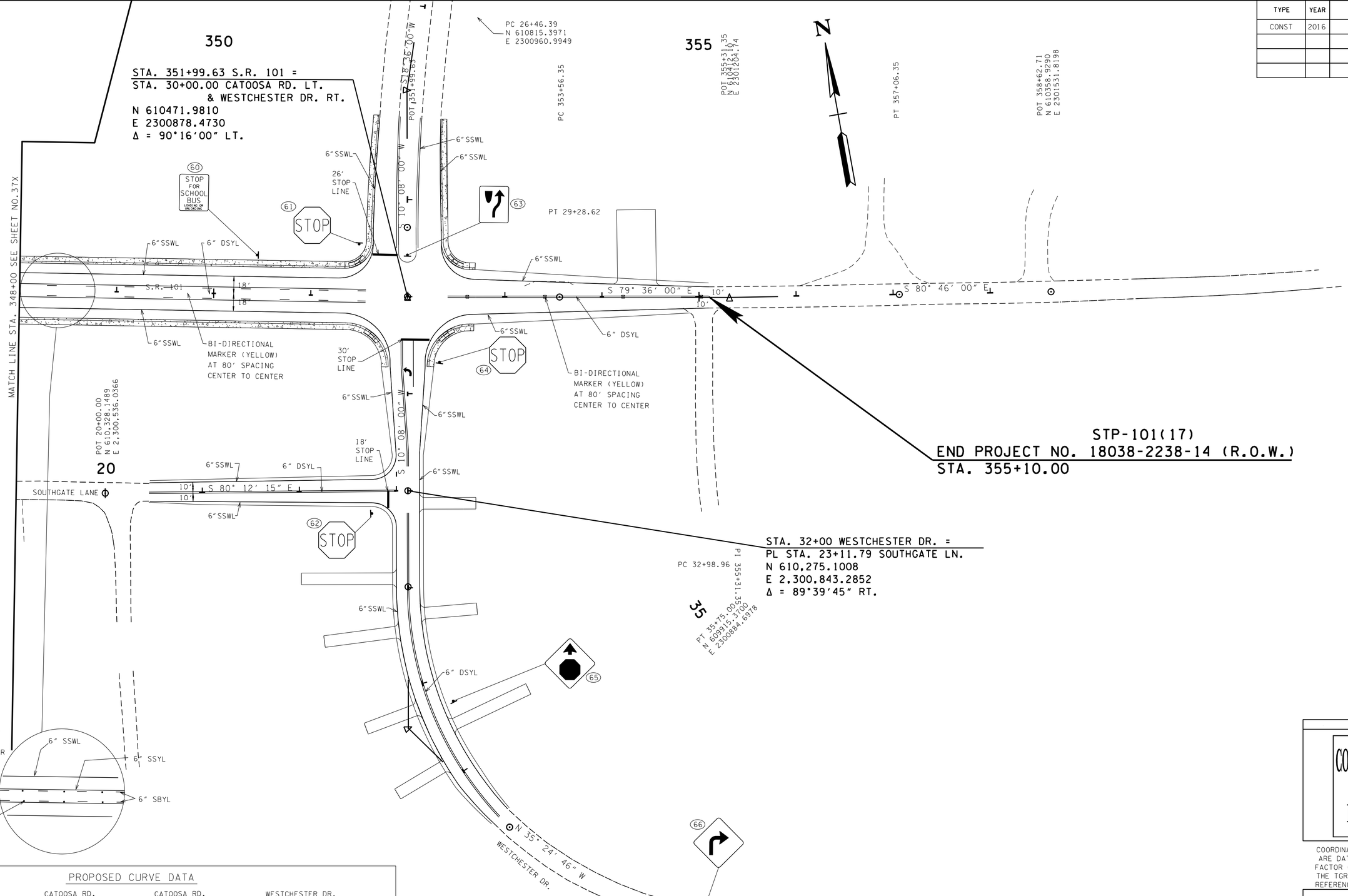
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	STP-101(17)	37Y

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



PROPOSED CURVE DATA

S.R. 101	CATOOSA RD.	CATOOSA RD.	WESTCHESTER DR.
PI 355+31.35	PI 25+28.24	PI 27+87.76	PI 34+44.74
N 610,412.0992	N 610,927.5295	N 610,681.4130	N 610,034.1781
E 2,301,204.7434	E 2,300,998.7316	E 2,300,915.9043	E 2,300,800.2257
Δ 1° 10′ 00″ (LT)	Δ 7° 30′ 00″ (RT)	Δ 8° 28′ 00″ (LT)	Δ 45° 32′ 46″ (LT)
D 0° 20′ 00″	D 7° 00′ 00″	D 3° 00′ 00″	D 16° 30′ 00″
R 17,188.73	R 818.51	R 1,909.86	R 347.25
L 350.00	L 107.14	L 282.22	L 276.04
T 175.01	T 53.65	T 141.37	T 145.78
SE N.C.	SE 0.028 FT/FT	SE R.C.	SE 0.075 FT/FT
DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 20 MPH	DESIGN SPEED 30 MPH
			RUNOFF 101.3′ (14% OUTSIDE 89% INSIDE)

MARKING ABBREVIATIONS	
SSWL-SINGLE SOLID WHITE LINE	DBYL-DOUBLE BROKEN YELLOW LINE
SSYL-SINGLE SOLID YELLOW LINE	DWL-DOTTED WHITE LINE
SBWL-SINGLE BROKEN WHITE LINE	DYL-DOTTED YELLOW LINE
SBYL-SINGLE BROKEN YELLOW LINE	HWL-HASHED WHITE LINE
DSYL-DOUBLE SOLID YELLOW LINE	HYL-HASHED YELLOW LINE

SEALED BY

CONSTRUCTABILITY FIELD REVIEW

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

SIGNING & PVMT MARKING DETAIL

STA. 348+00 TO STA. 358+00

SCALE: 1"= 50'

24-JUN-2016 11:29
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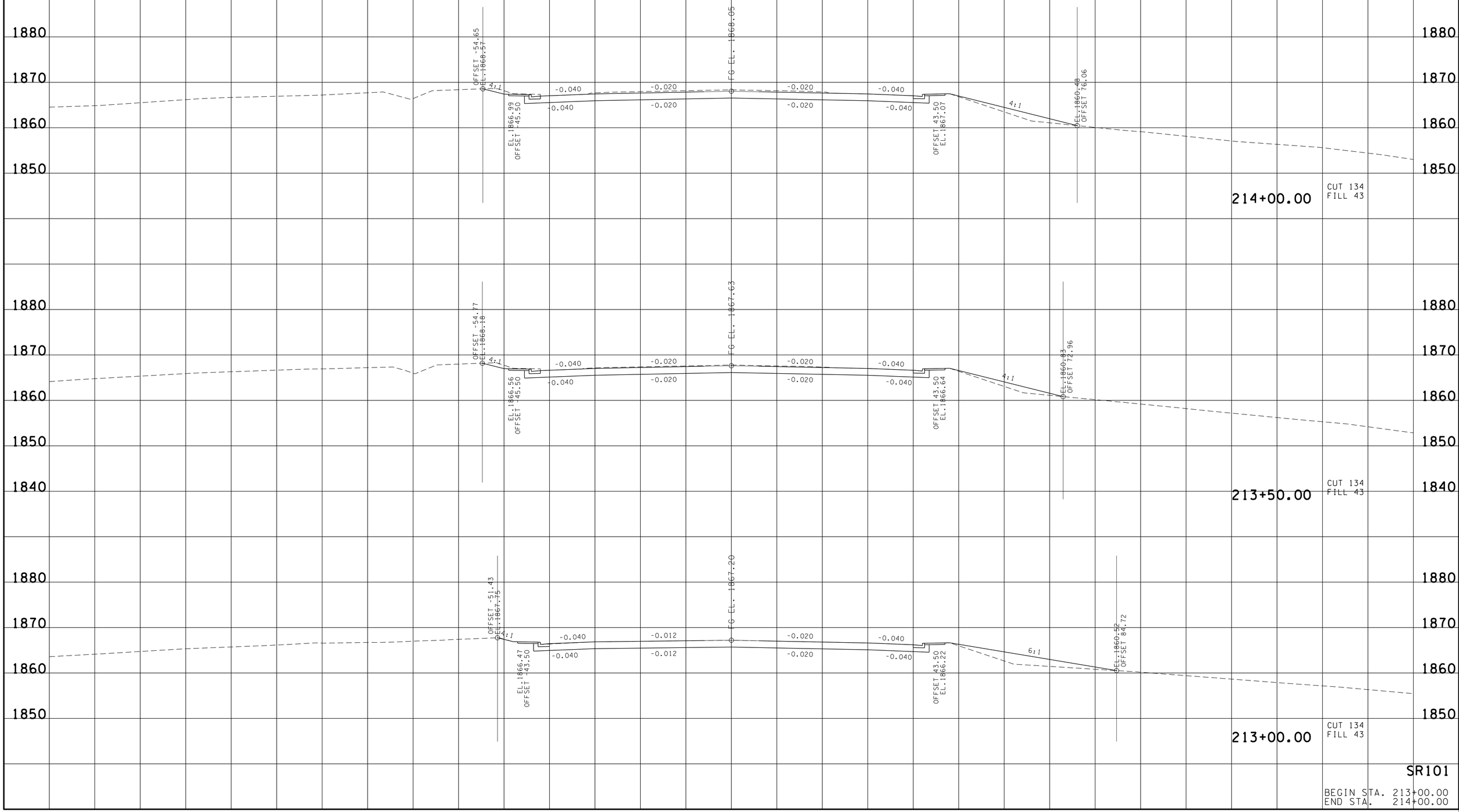
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	114
CONST.	2015	STP-101(17)	114

REV.04-10-13- ADDED SHEET



SR101

BEGIN STA. 213+00.00
END STA. 214+00.00

22-JUN-2016 14:14
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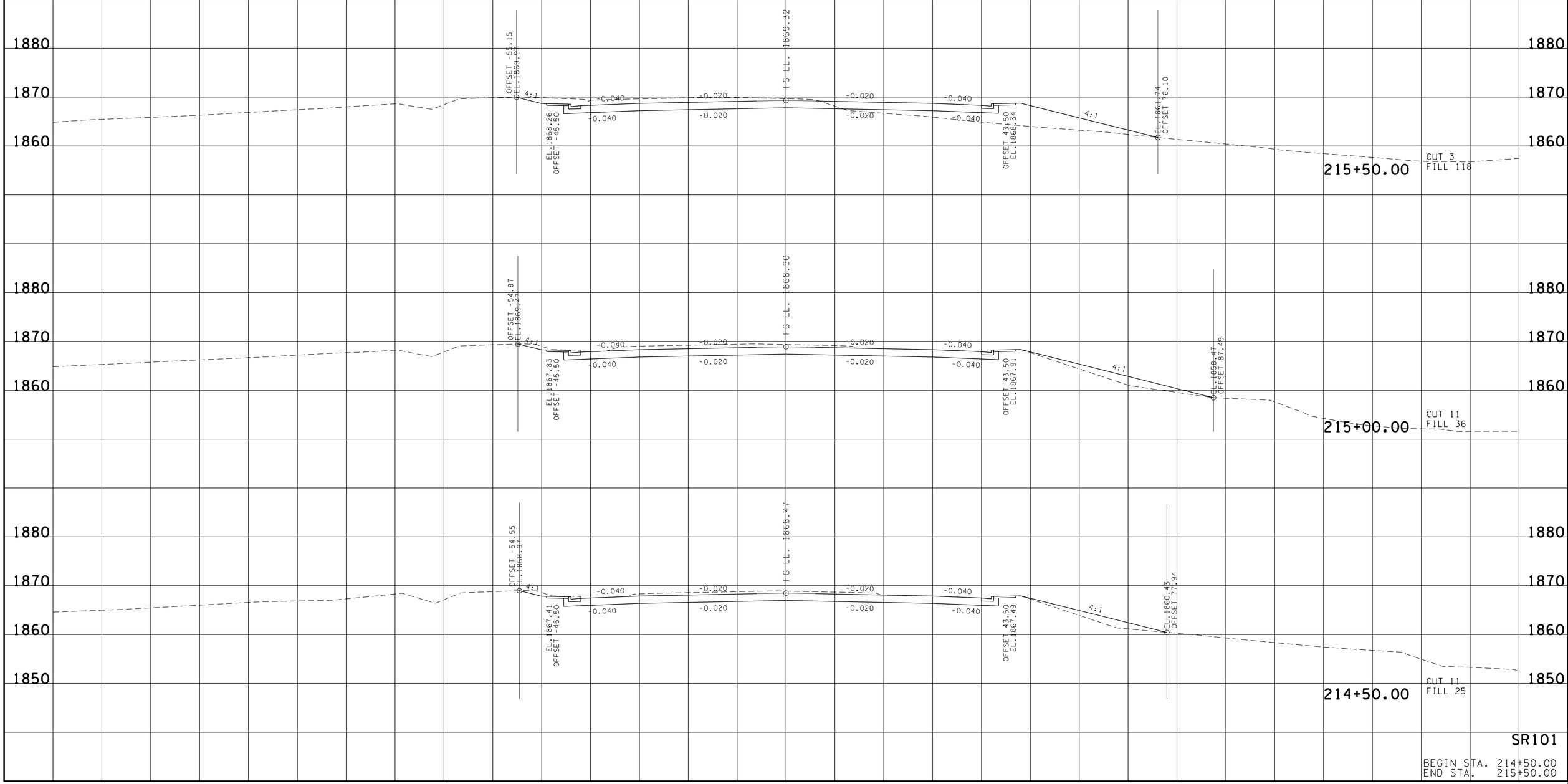
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	115
CONST.	2015	STP-101(17)	115

REV.04-10-13- ADDED SHEET



SR101

BEGIN STA. 214+50.00
END STA. 215+50.00

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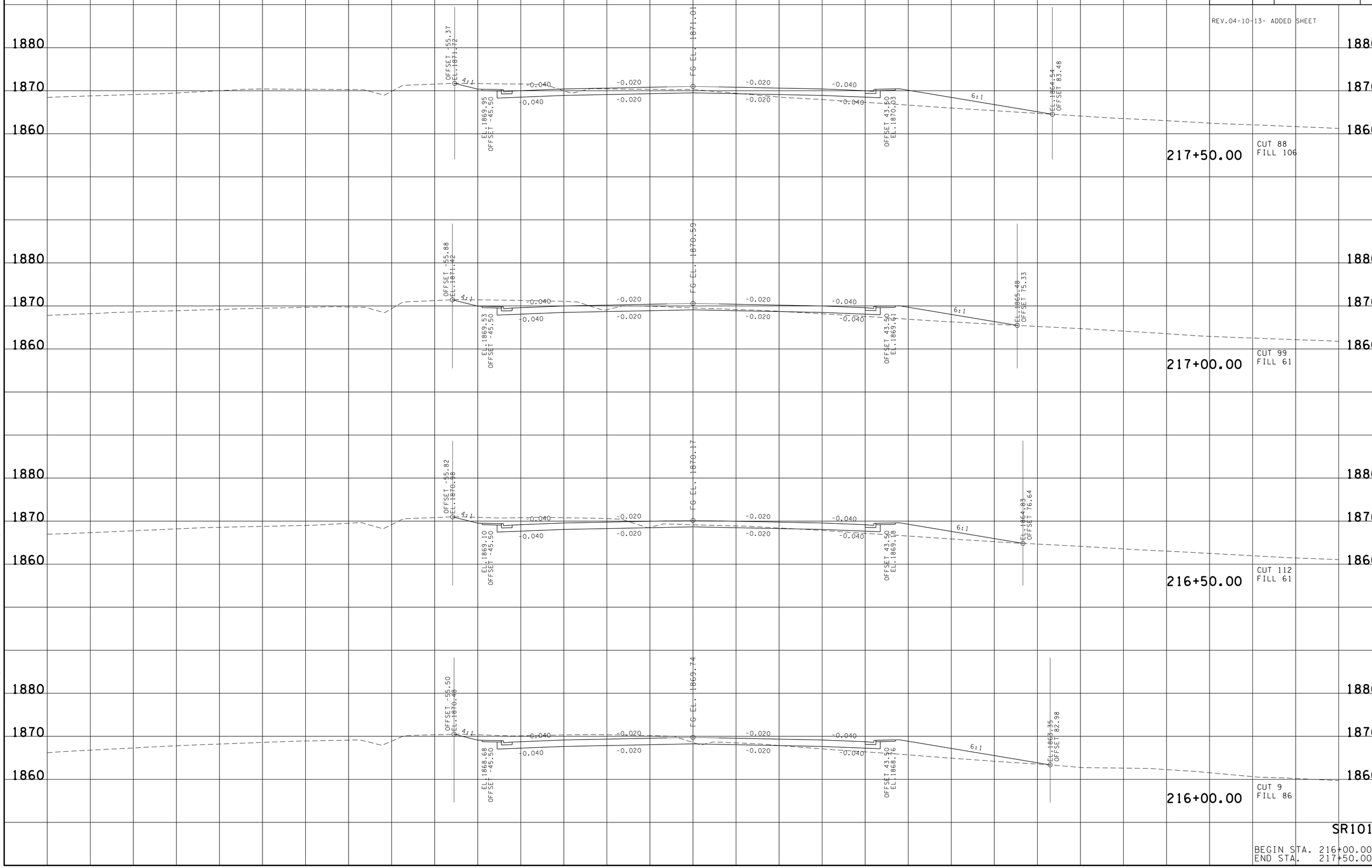
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	116
CONST.	2015	STP-101(17)	116

REV.04-10-13- ADDED SHEET



SR101

BEGIN STA. 216+00.00
END STA. 217+50.00

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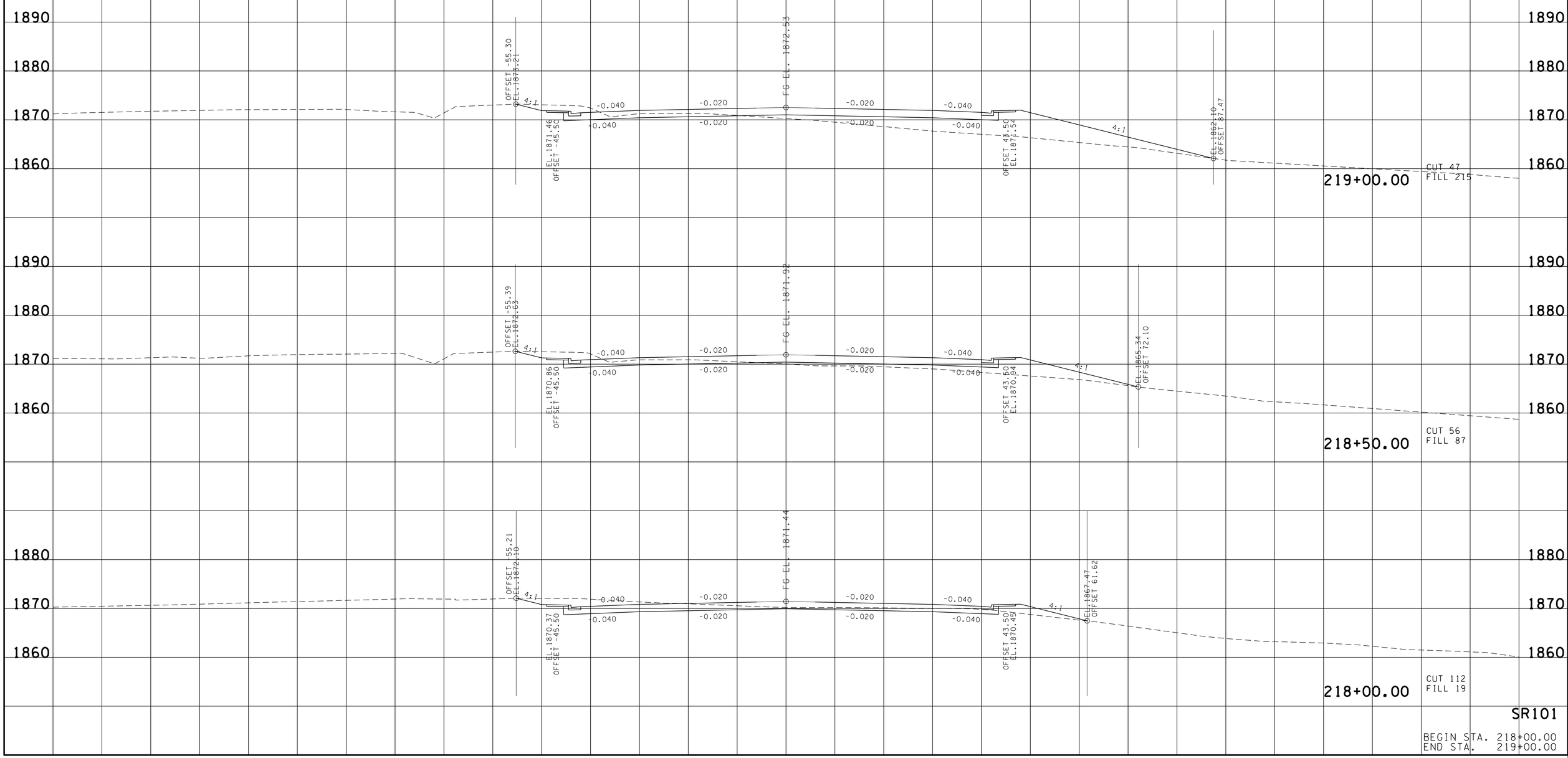
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	117
CONST.	2015	STP-101(17)	117

REV.04-10-13- ADDED SHEET



SR101

BEGIN STA. 218+00.00
END STA. 219+00.00

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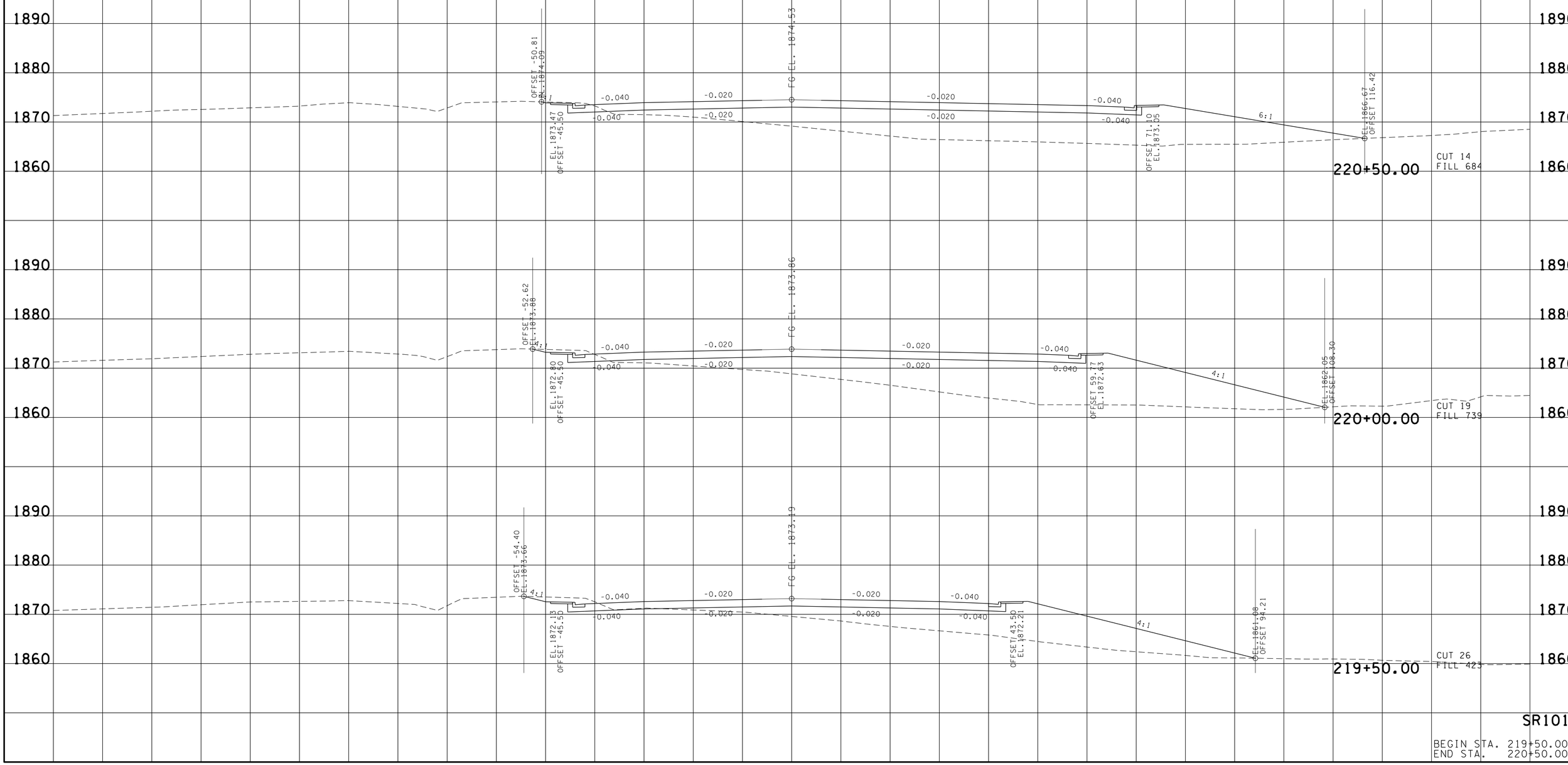
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	11B
CONST.	2015	STP-101(17)	11B

REV.04-10-13- ADDED SHEET



SR101

BEGIN STA. 219+50.00
END STA. 220+50.00

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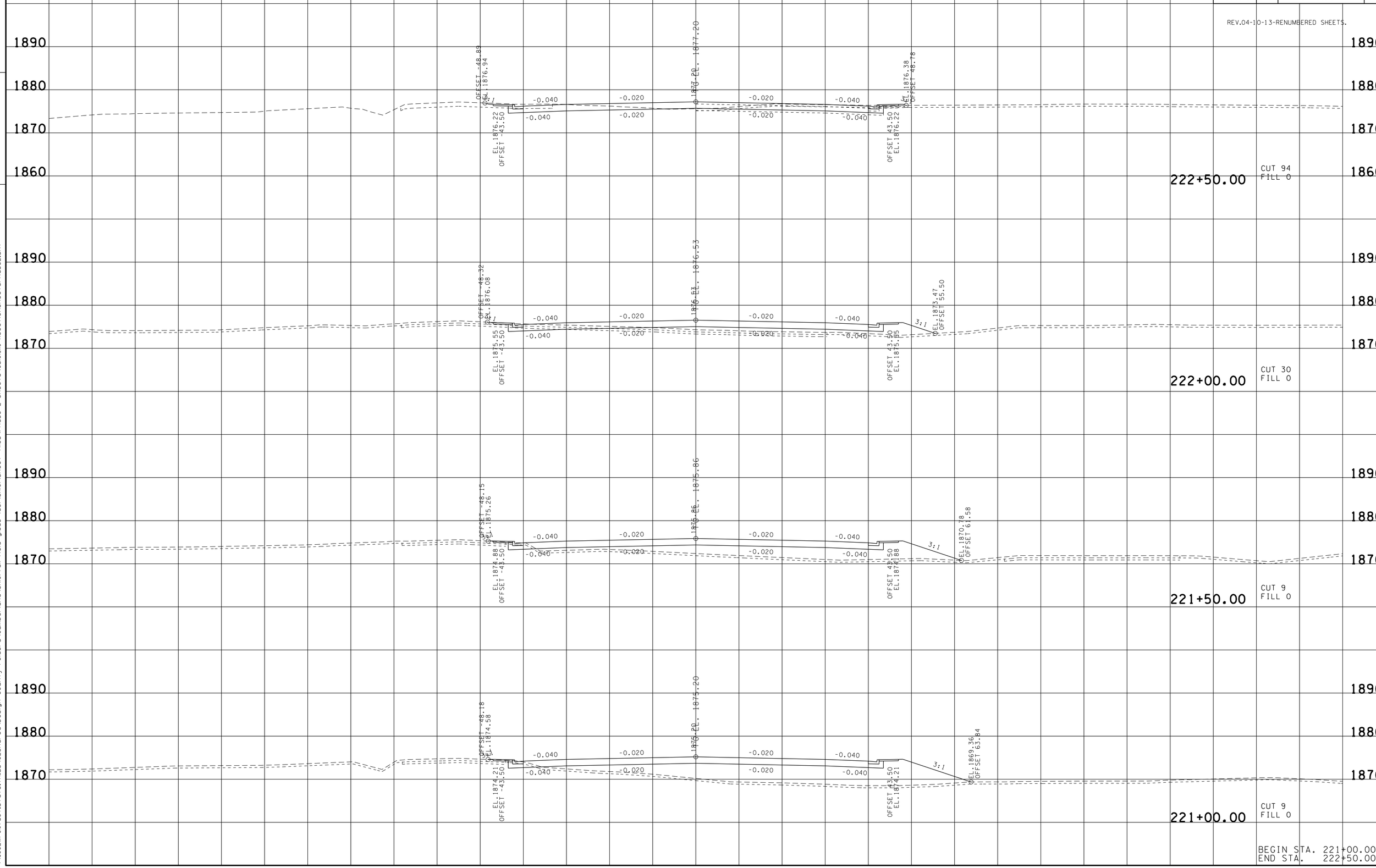
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	119
CONST.	2015	STP-101(17)	119

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 221+00.00
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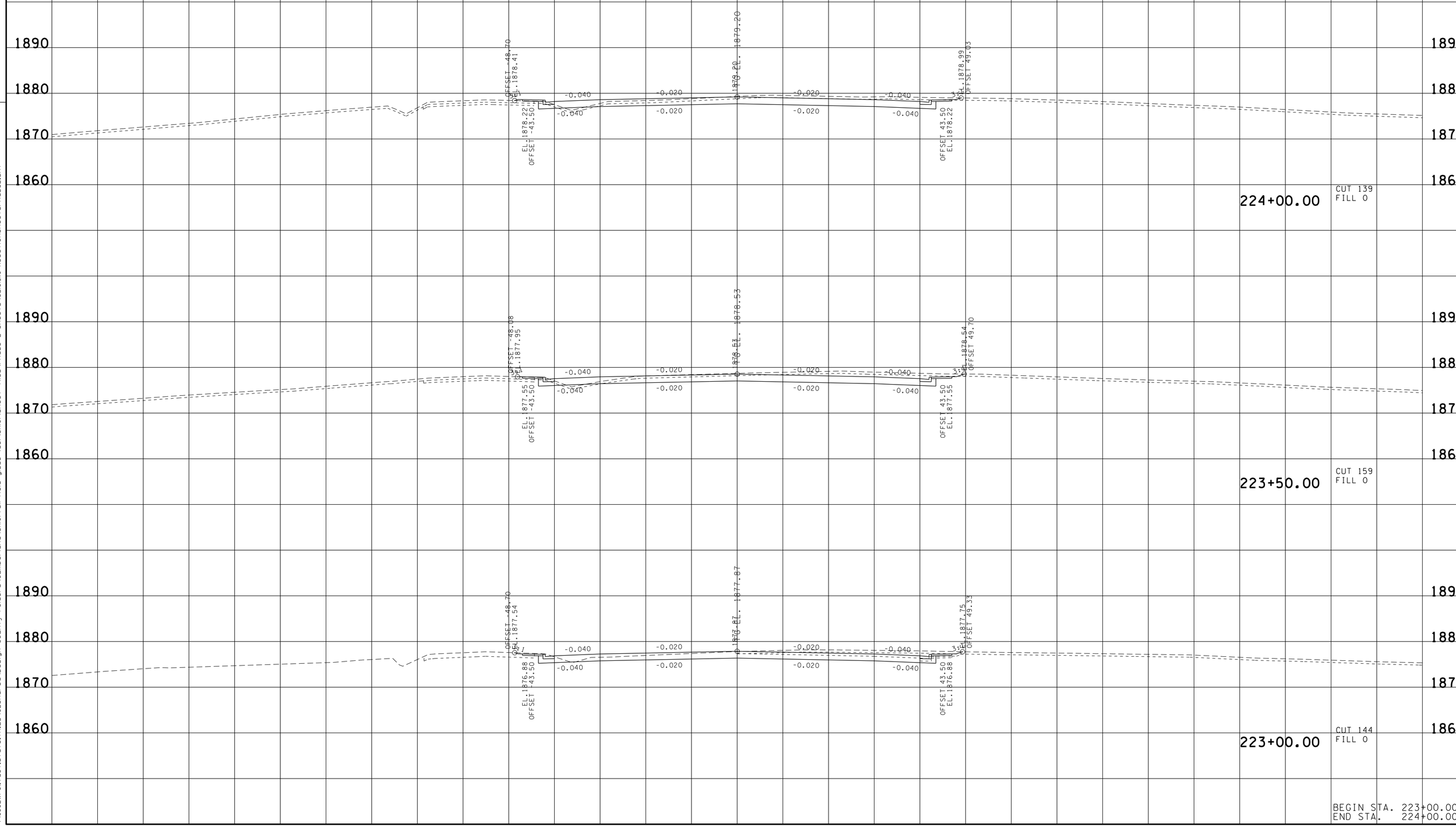
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	120
CONST.	2015	STP-101(17)	120

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



BEGIN STA. 223+00.00
END STA. 224+00.00

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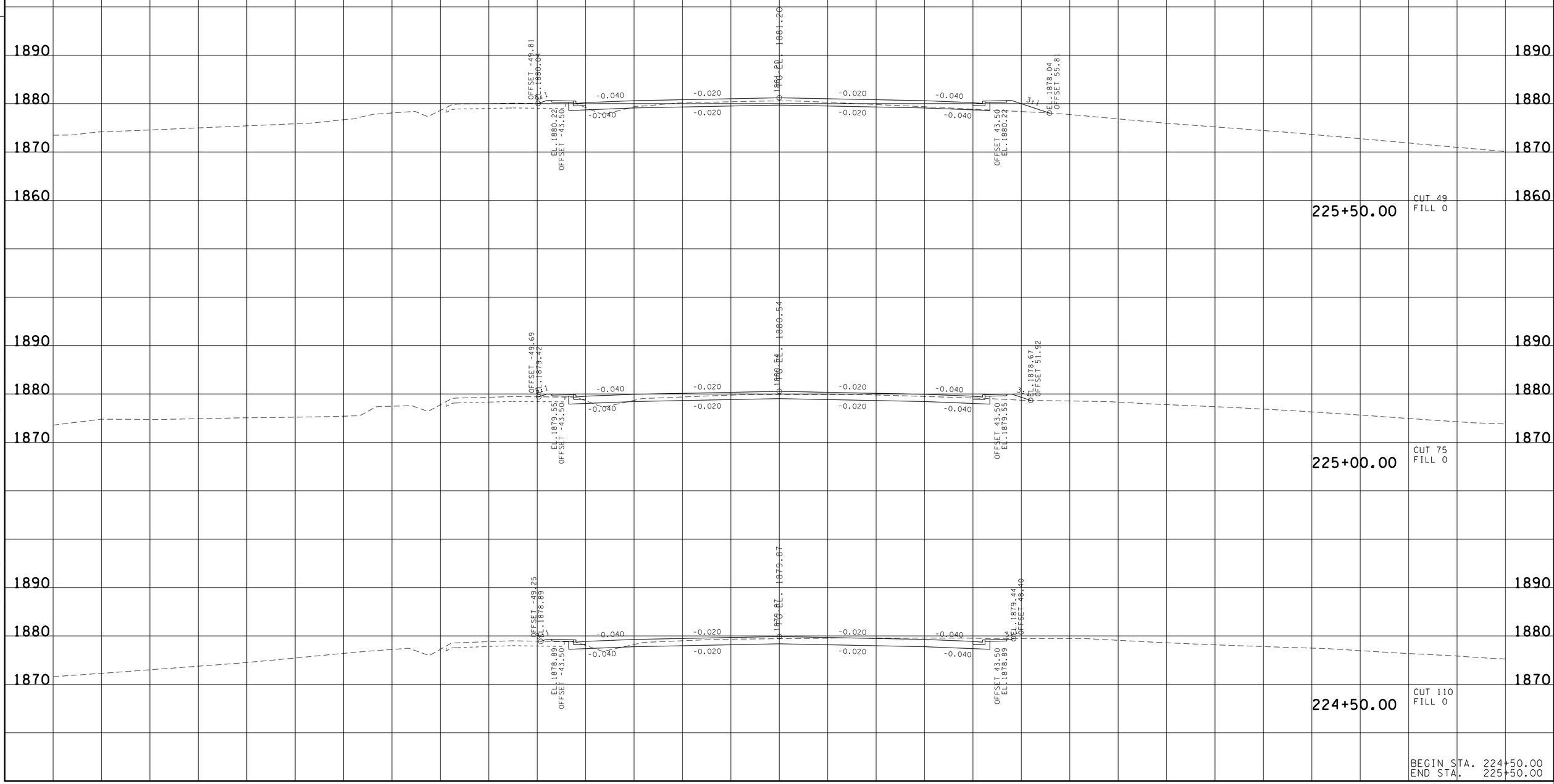
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	121
CONST.	2015	STP-101(17)	121

REV.04-10-13-RENUMBERED SHEETS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 224+50.00
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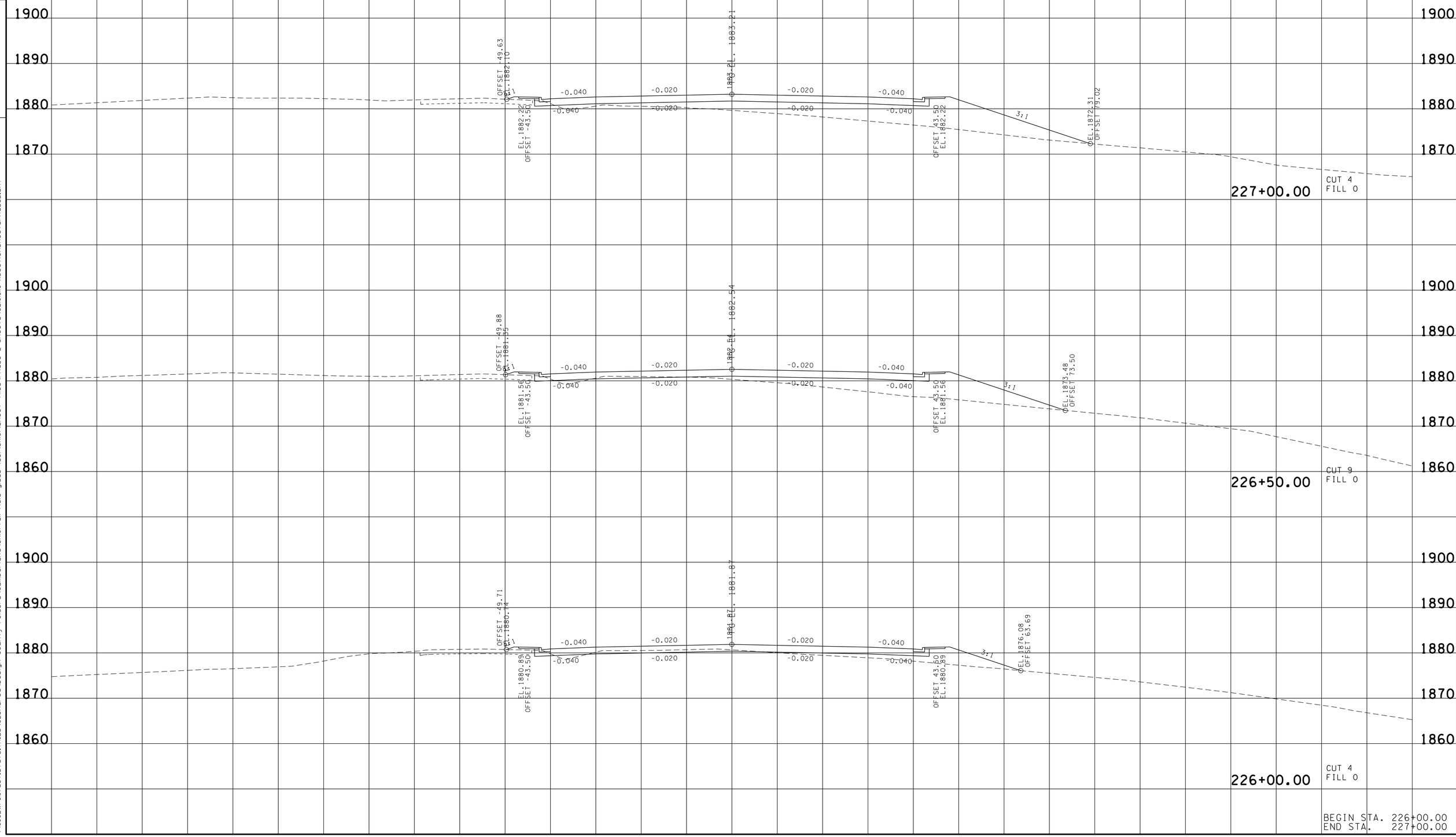
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	122
CONST.	2015	STP-101(17)	122

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 226+00.00
END STA. 227+00.00

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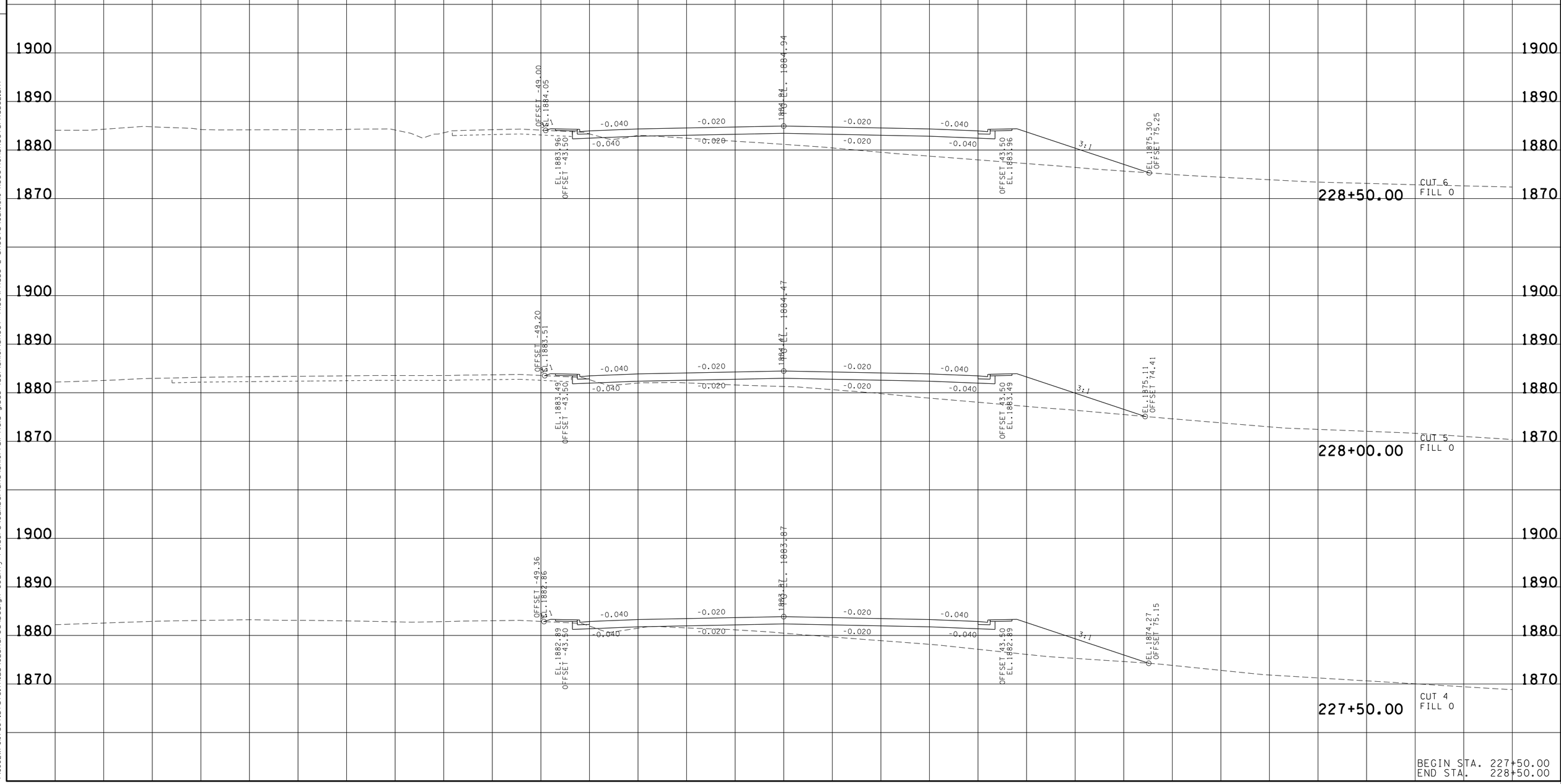
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	123
CONST.	2015	STP-101(17)	123

REV.04-10-13-RENUMBERED SHEETS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 227+50.00
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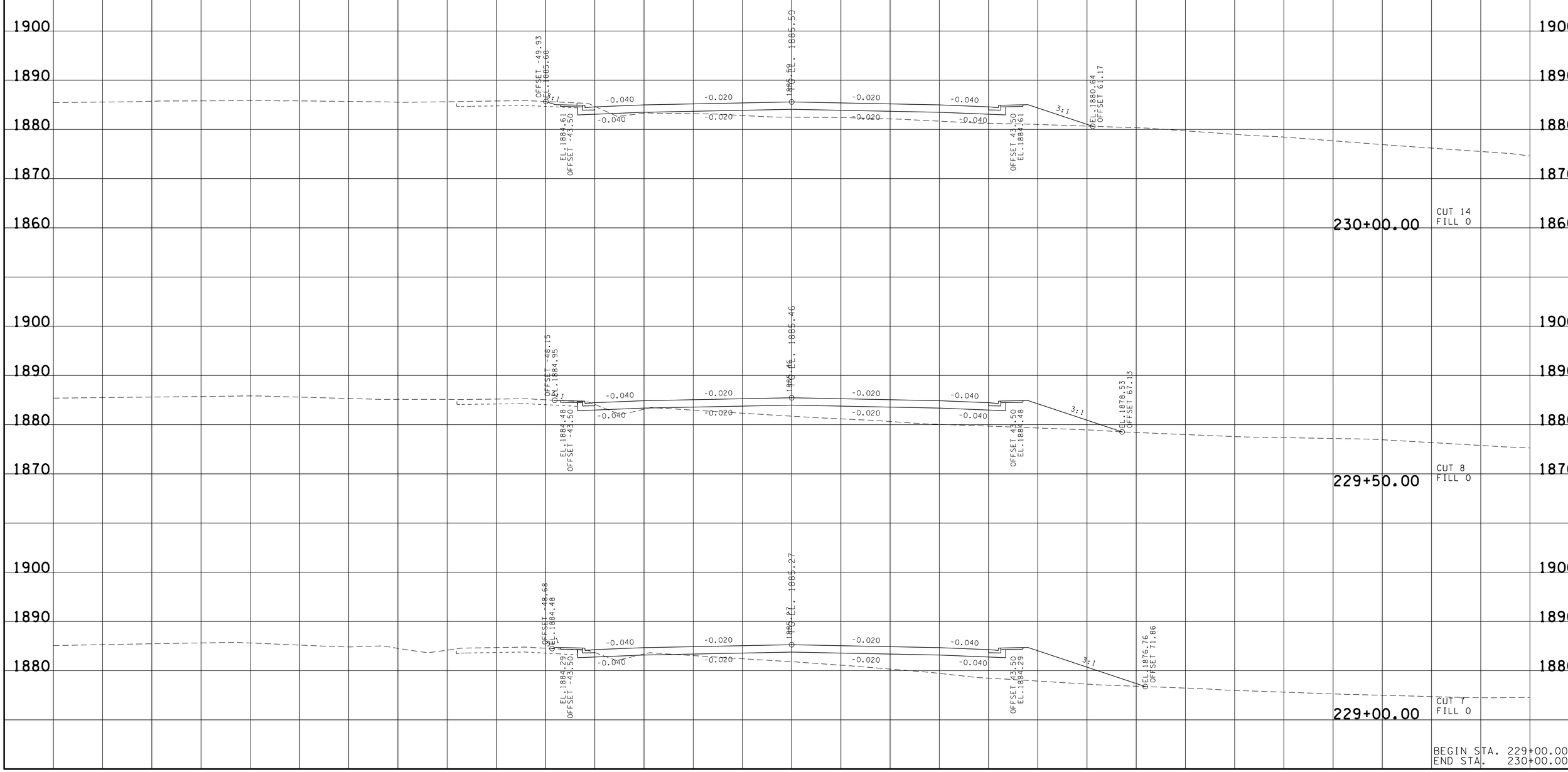
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	124
CONST.	2015	STP-101(17)	124

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 229+00.00
END STA. 230+00.00

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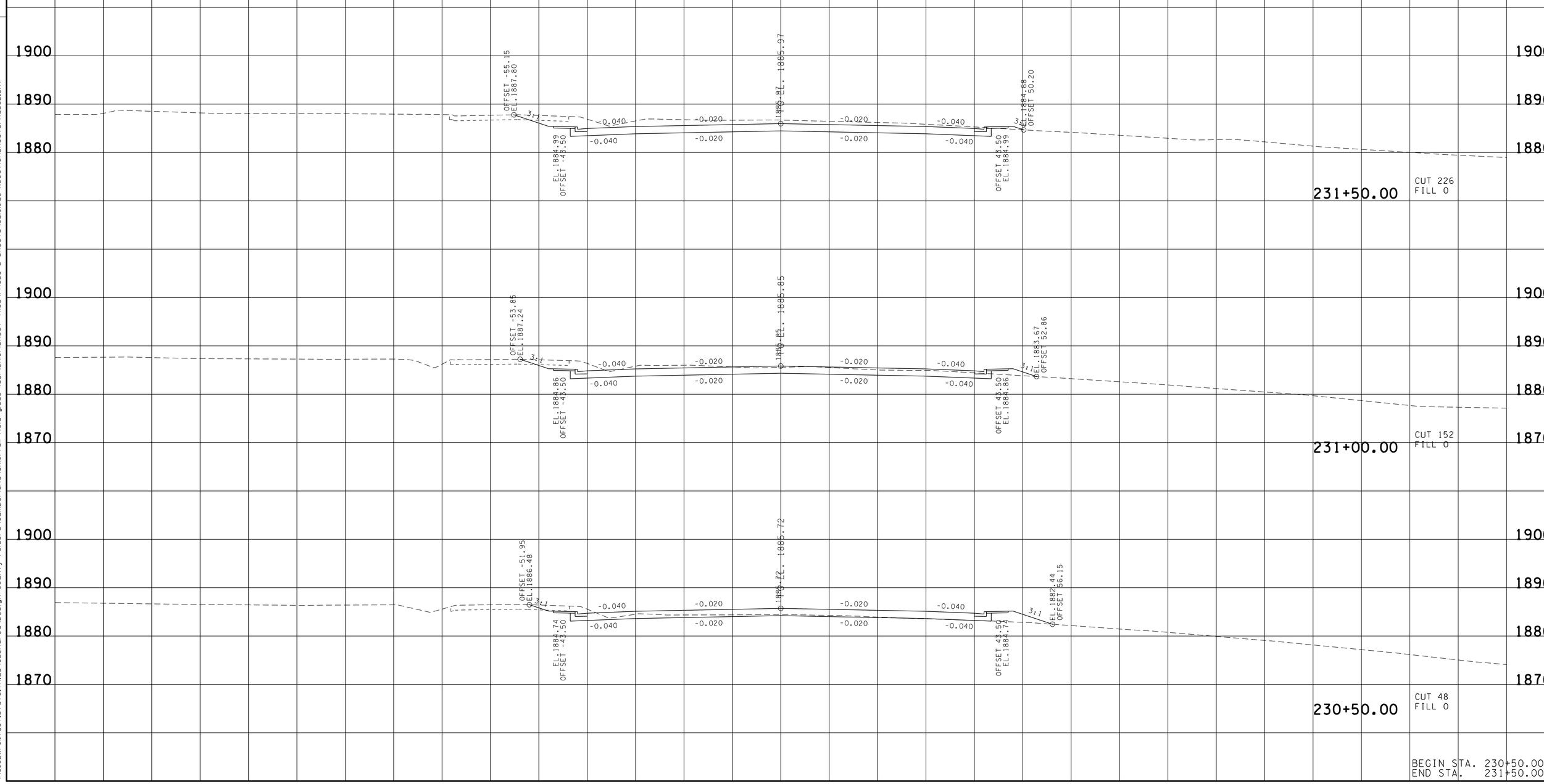
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	125

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 230+50.00
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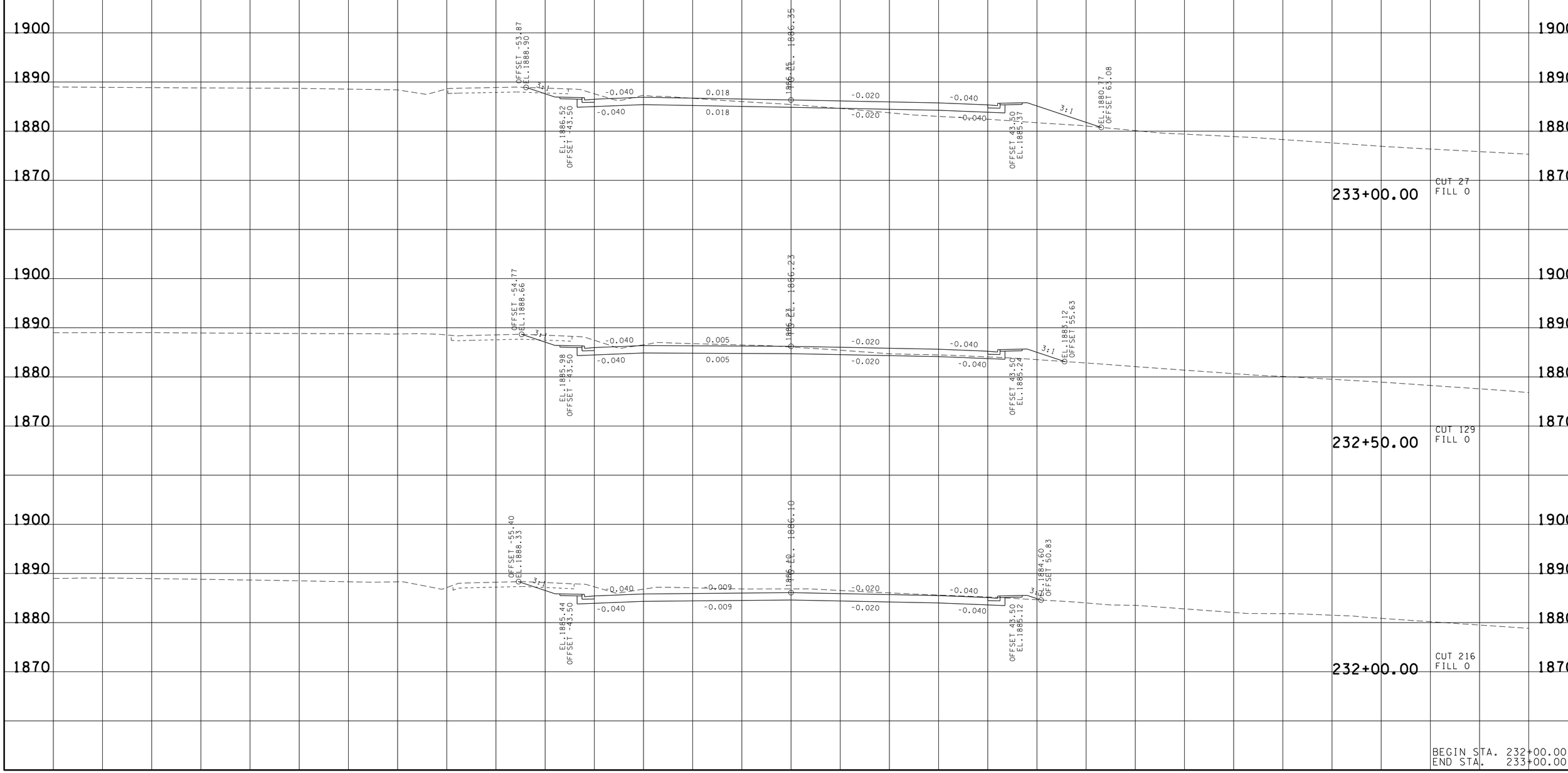
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	126

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 232+00.00
END STA. 233+00.00

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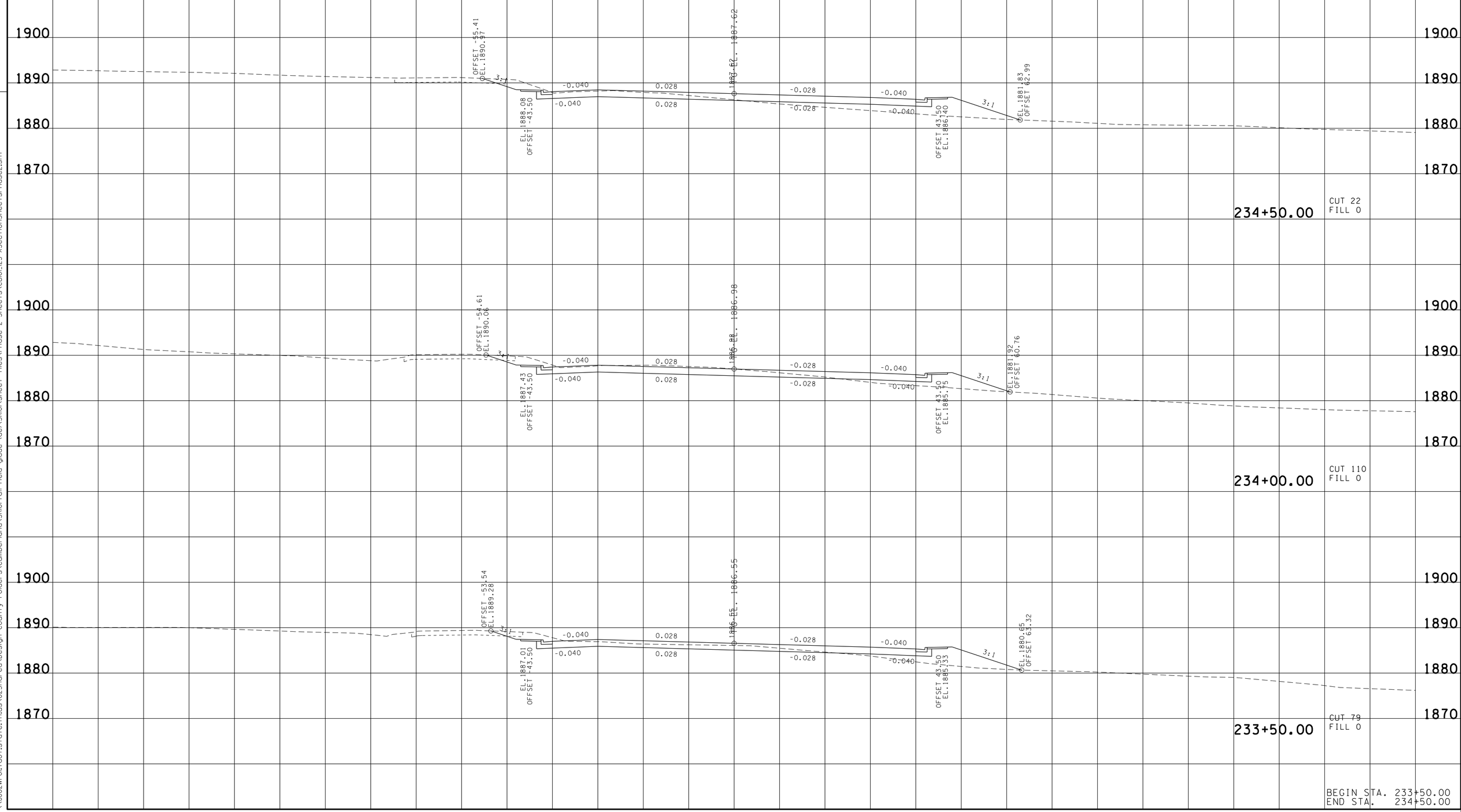
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	127

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



BEGIN STA. 233+50.00
END STA. 234+50.00

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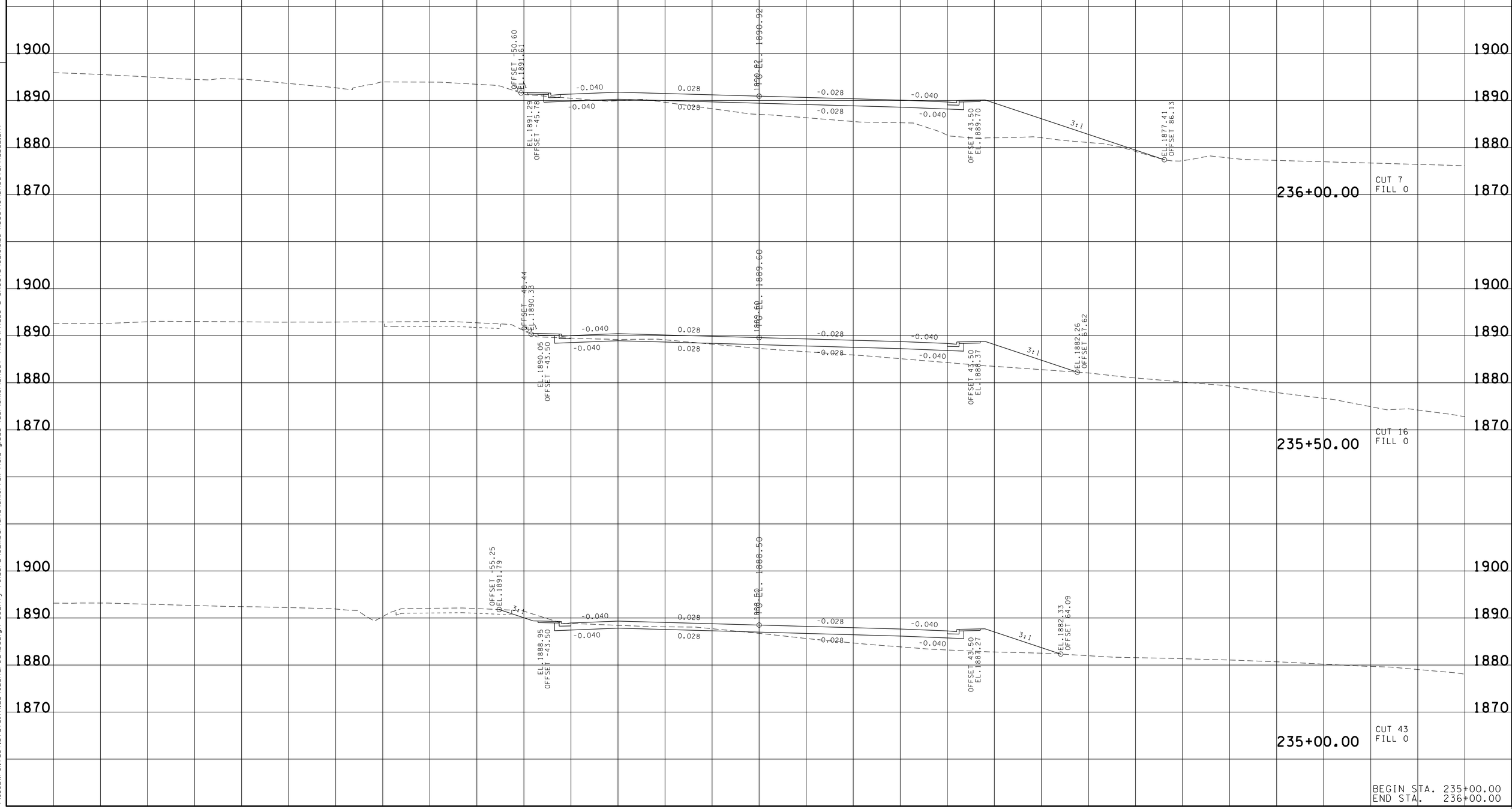
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	128

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 235+00.00
END STA. 236+00.00

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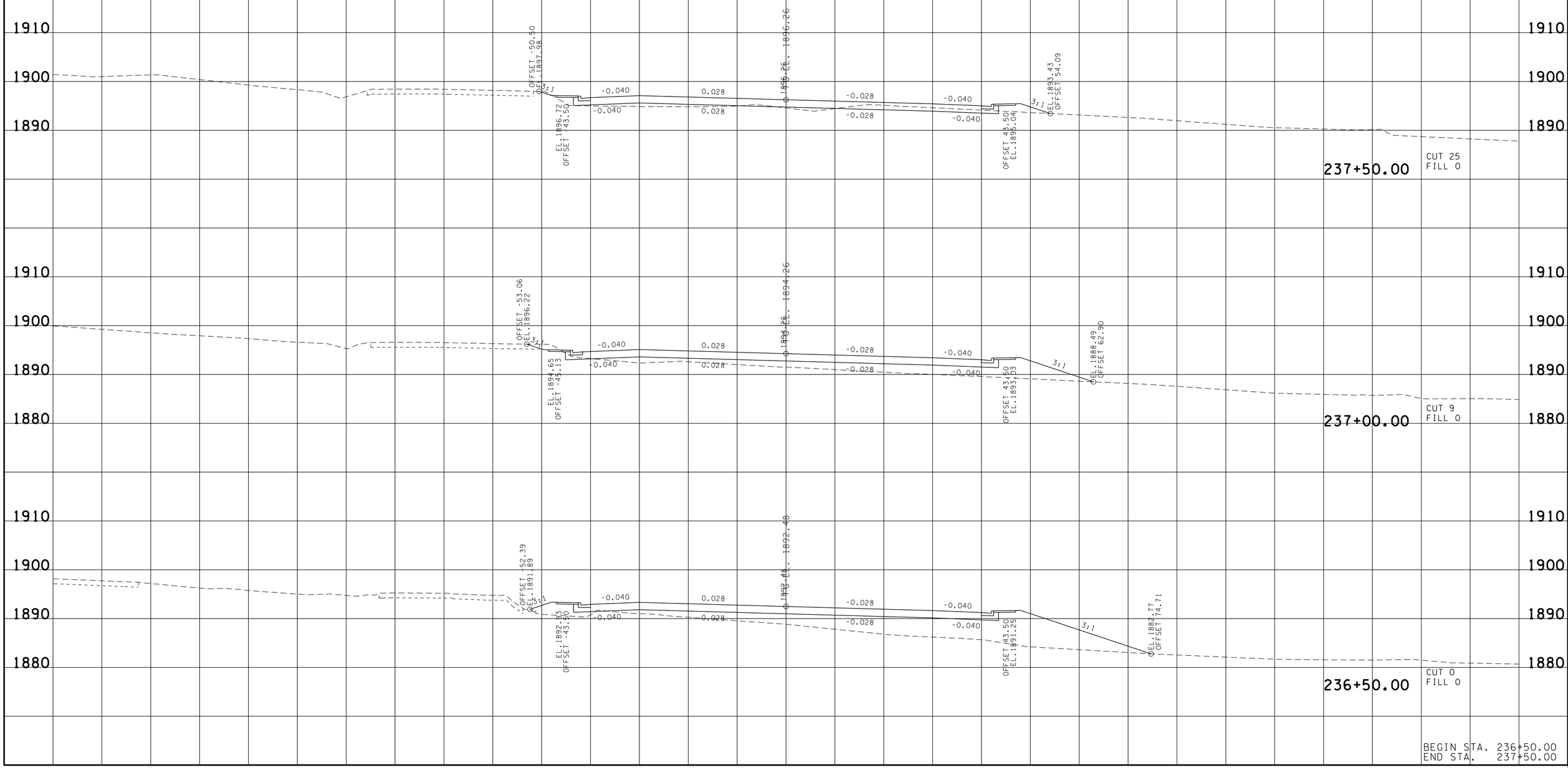
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	129

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



BEGIN STA. 236+50.00
END STA. 237+50.00

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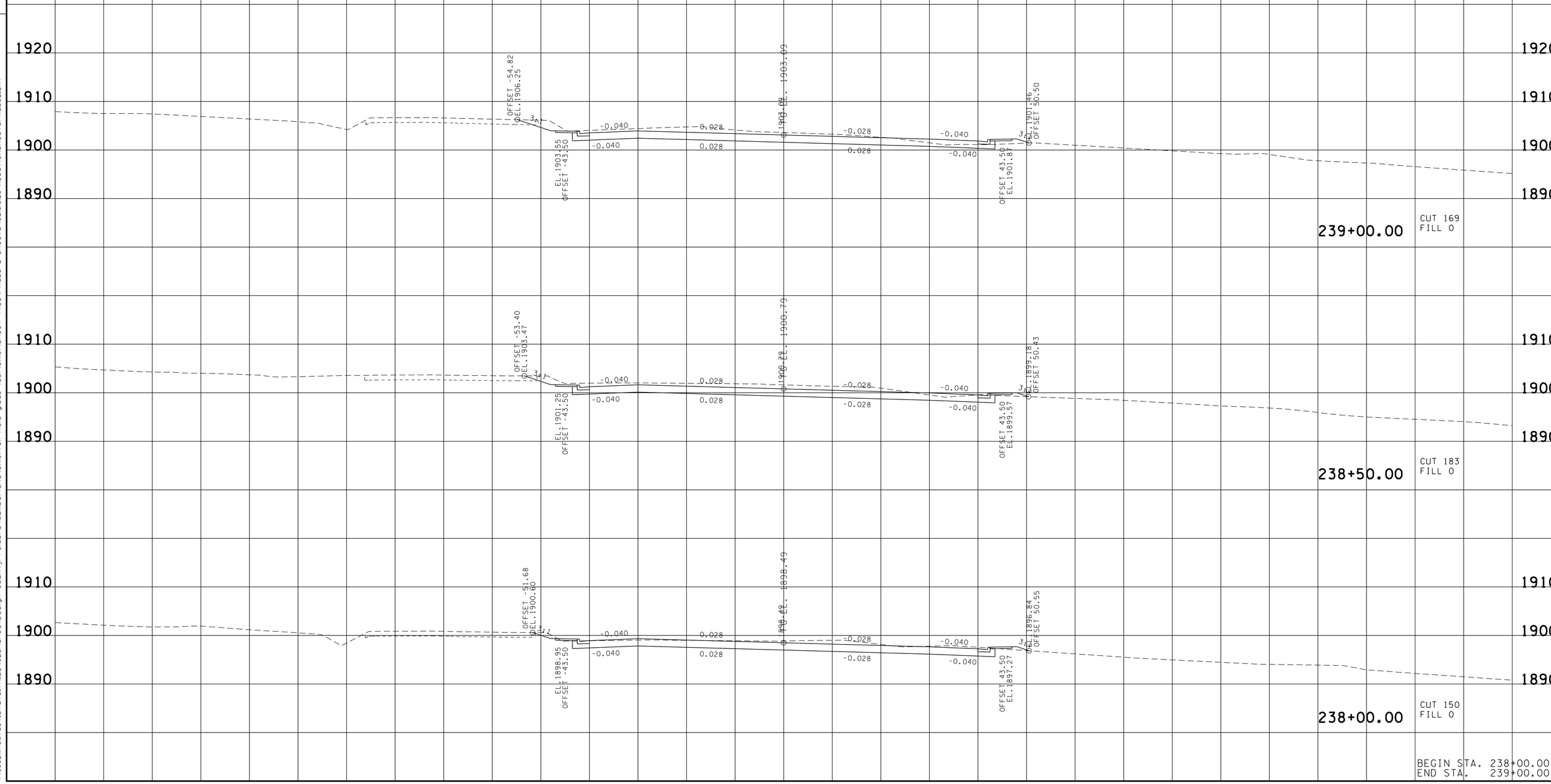
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	130

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 238+00.00
END STA. 239+00.00

22-JUN-2016 14:30
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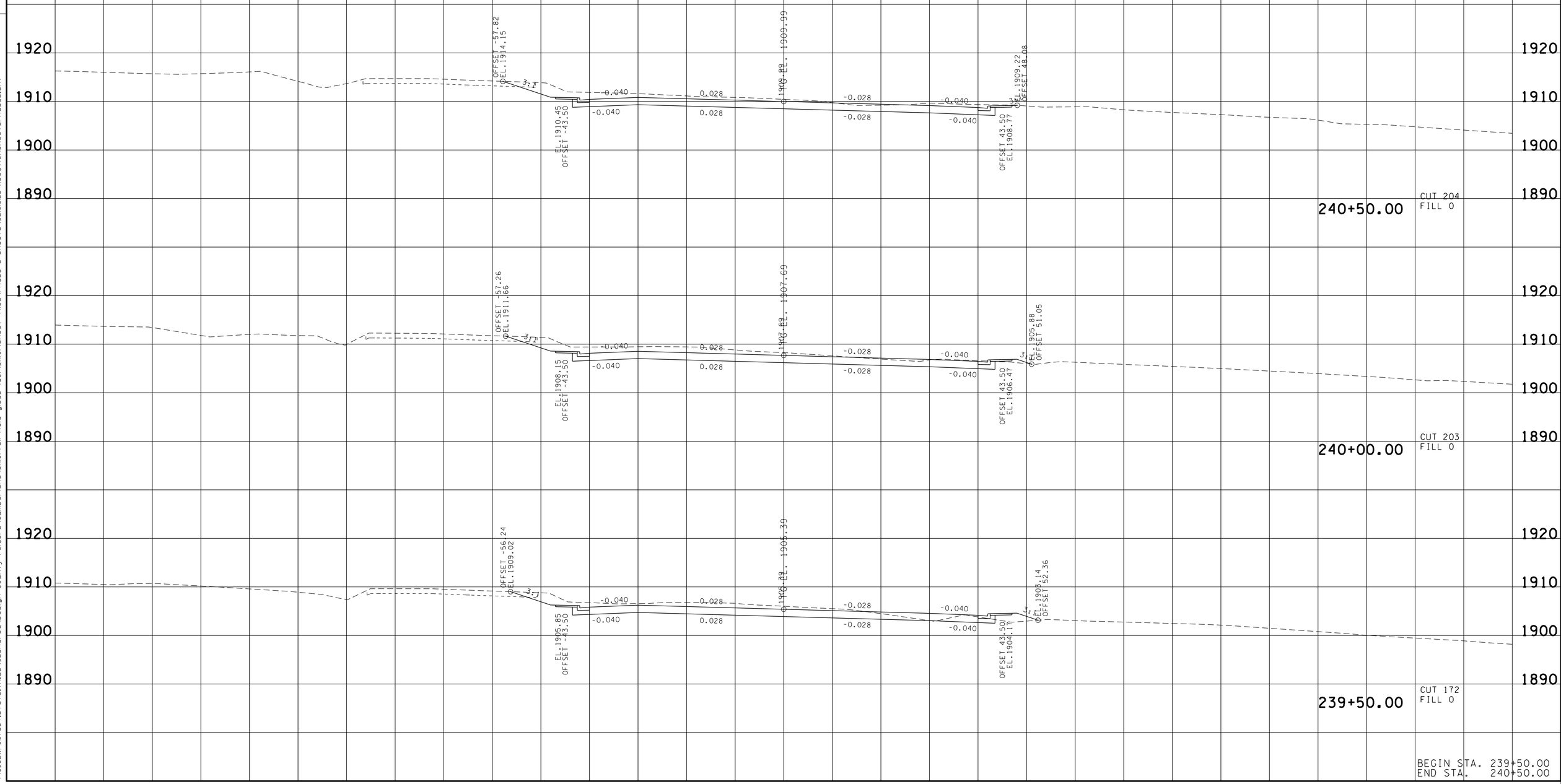
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	131

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 239+50.00
END STA. 240+50.00

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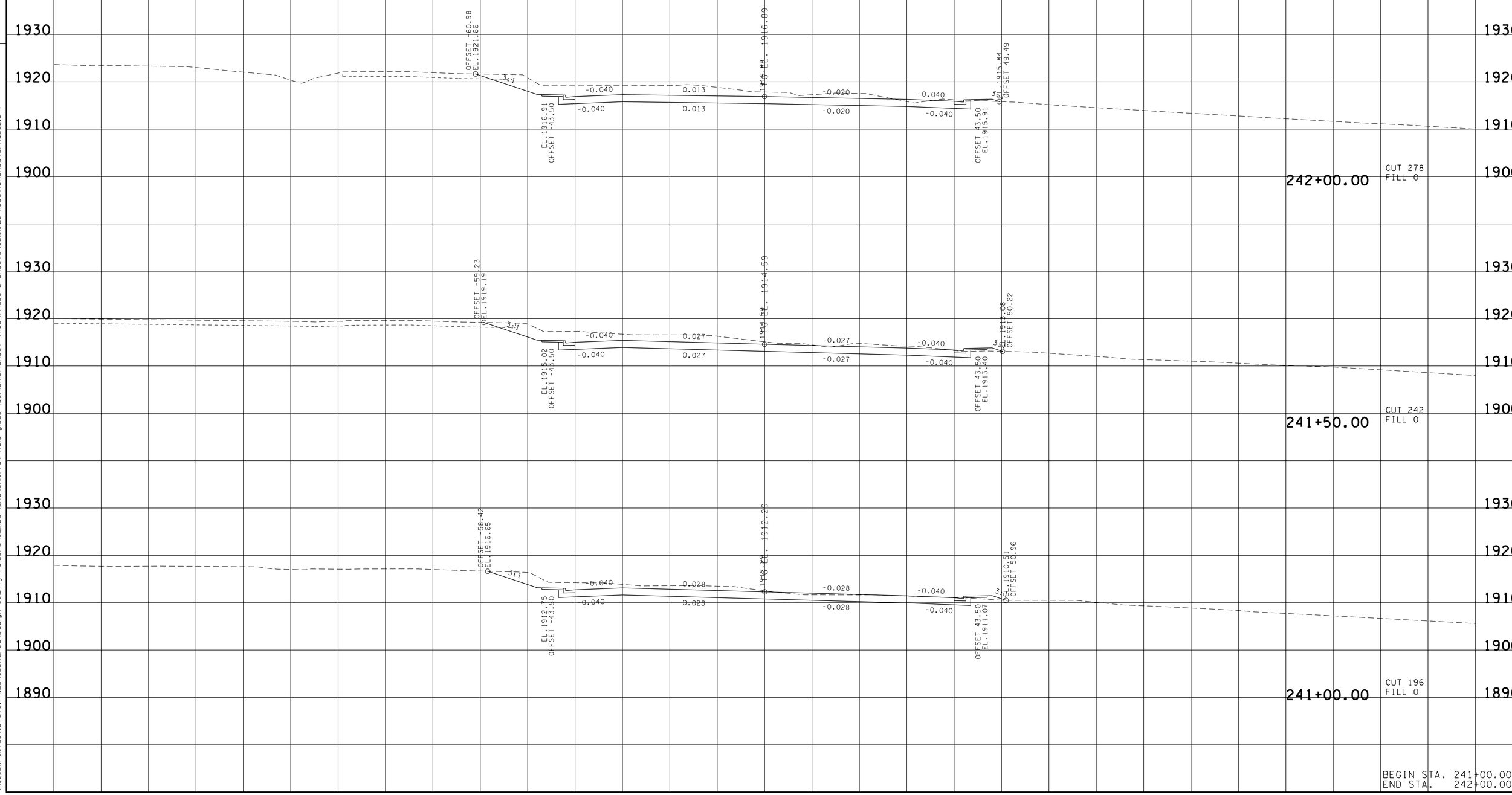
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(167	132

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



BEGIN STA. 241+00.00
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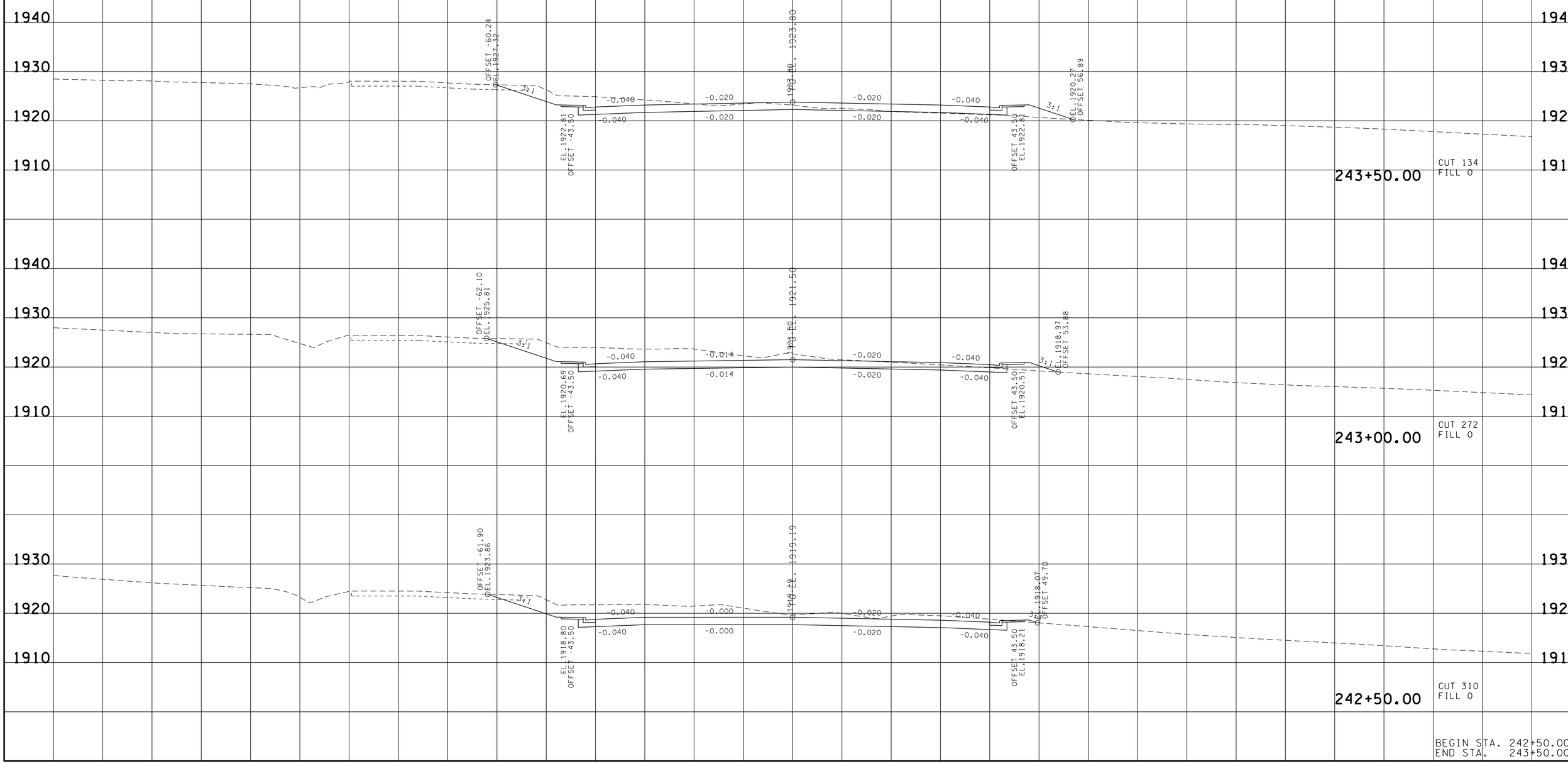
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	133

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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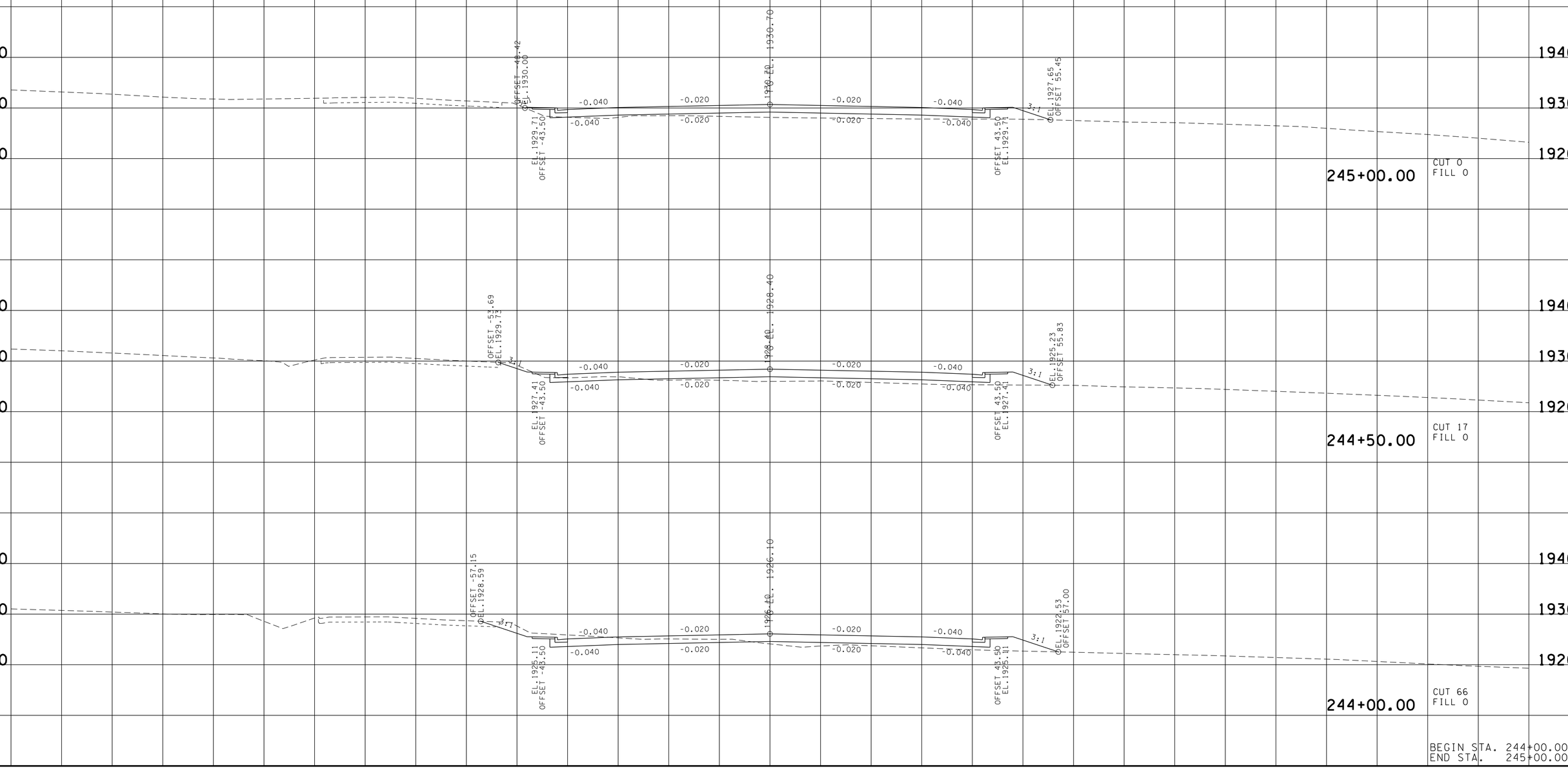
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	134

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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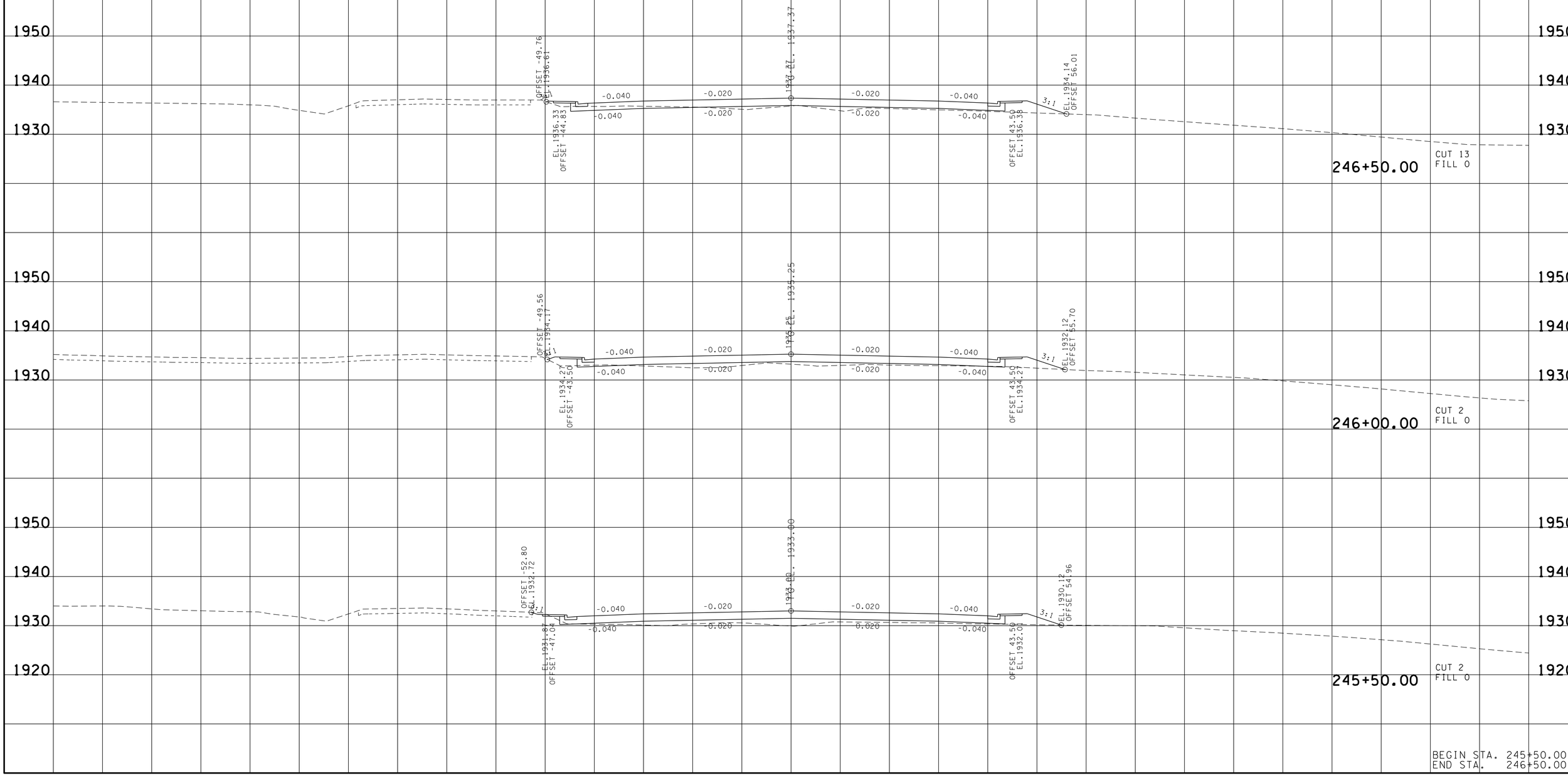
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	135

REV.04-10-13-RENUMBERED SHEETS.

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



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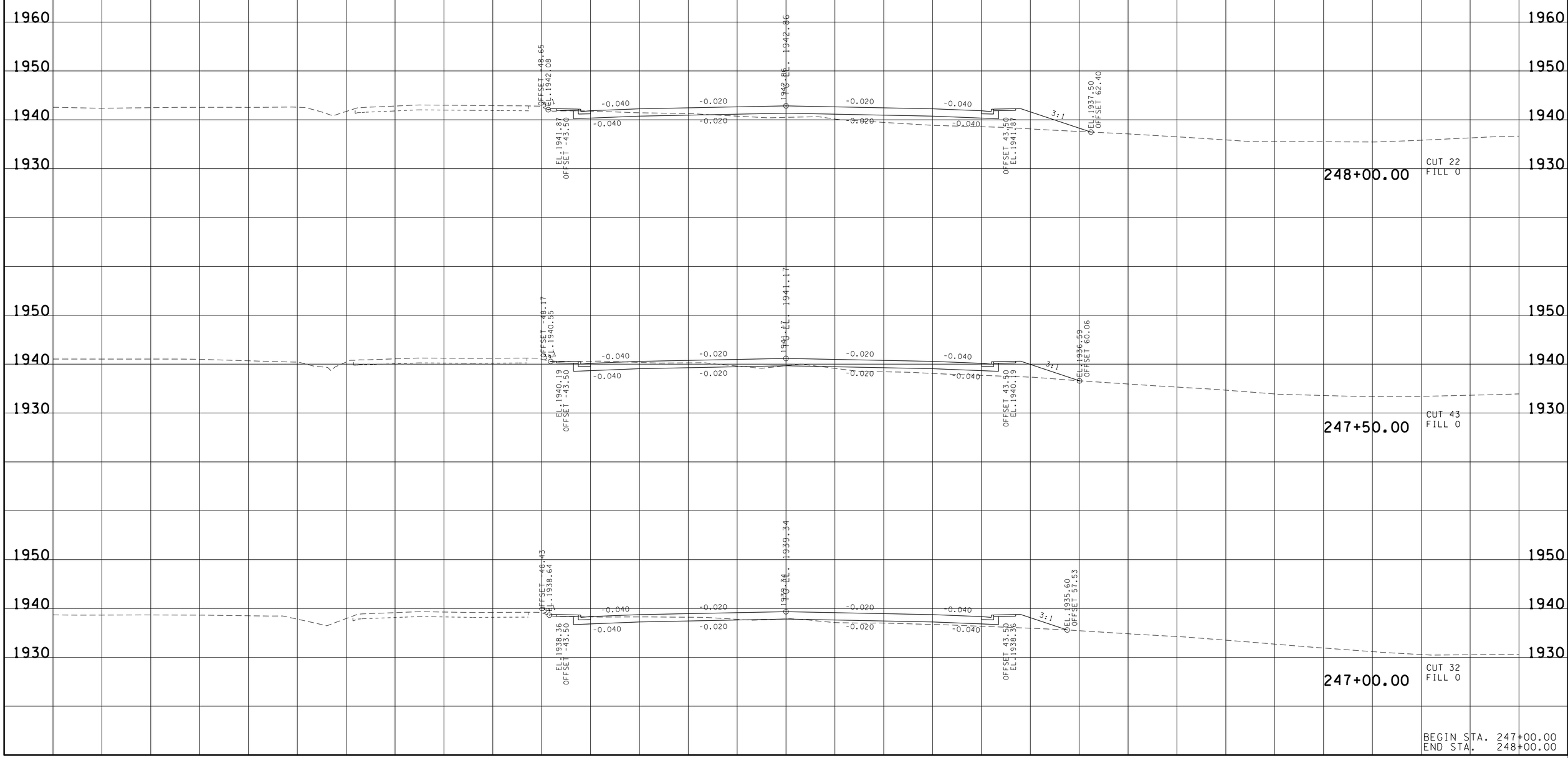
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	136

REV.04-10-13-RENUMBERED SHEETS.

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



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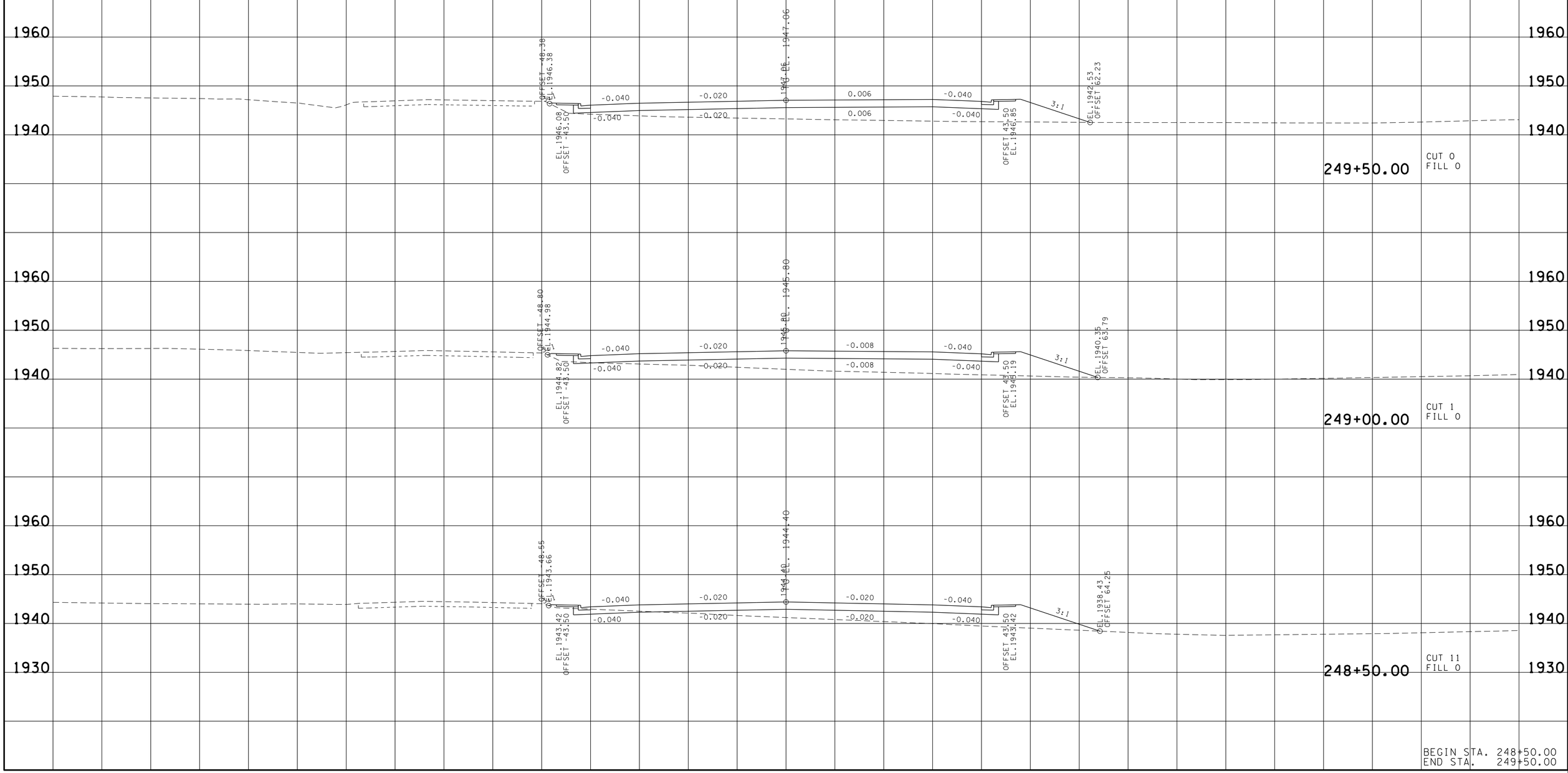
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	137

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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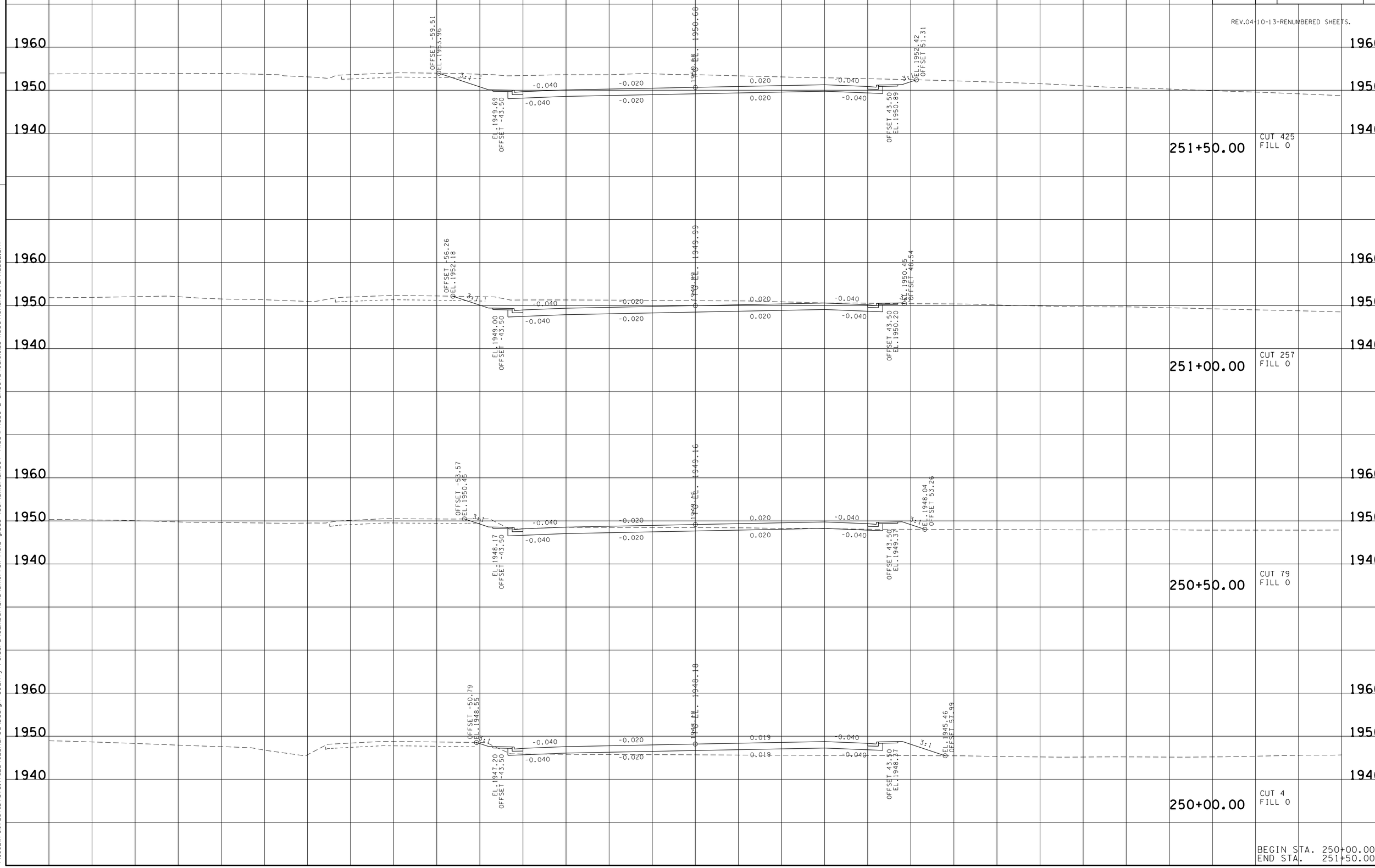
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	138

REV.04-10-13-RENUMBERED SHEETS.



BEGIN STA. 250+00.00
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

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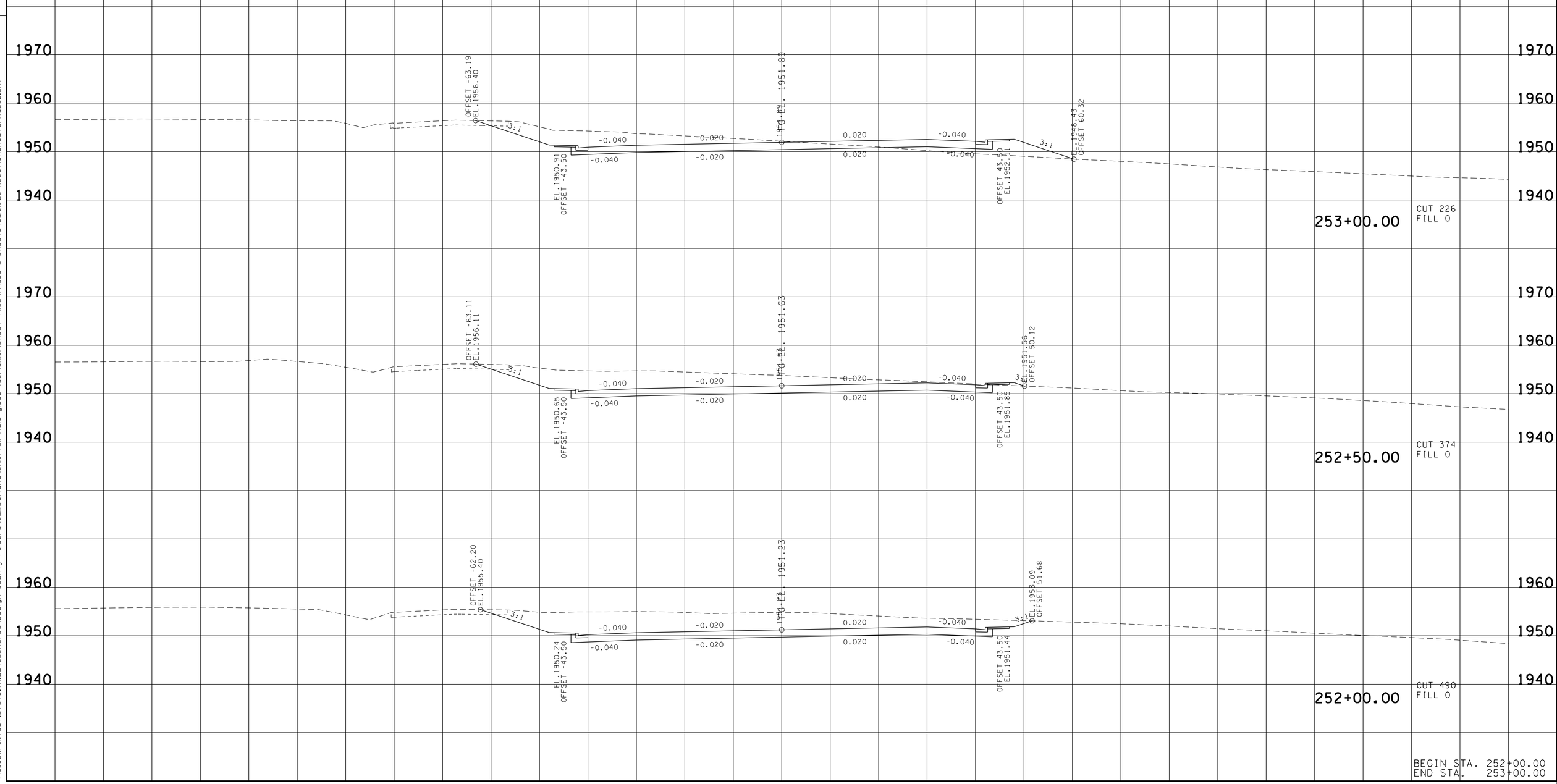
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	139

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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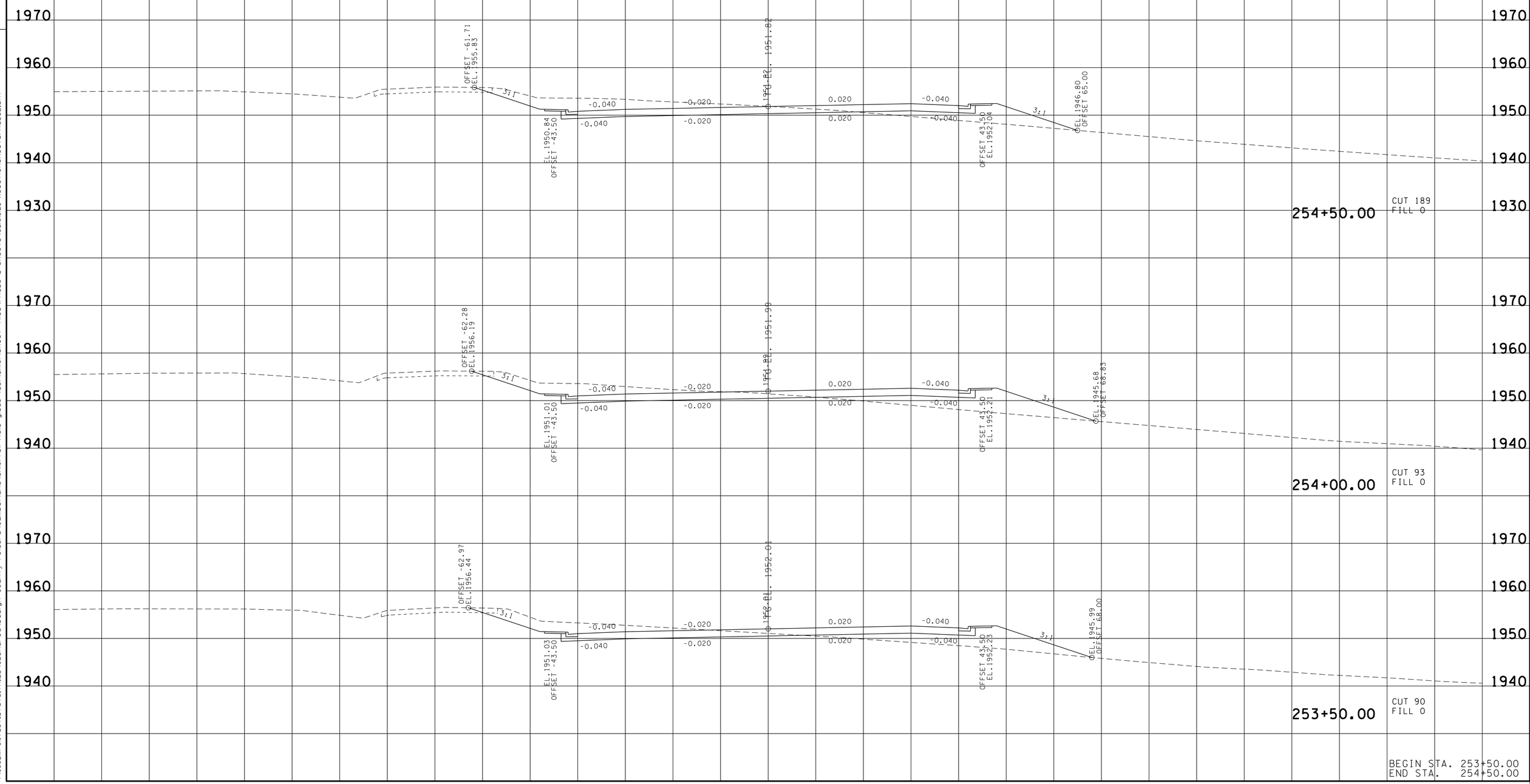
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	140

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 253+50.00
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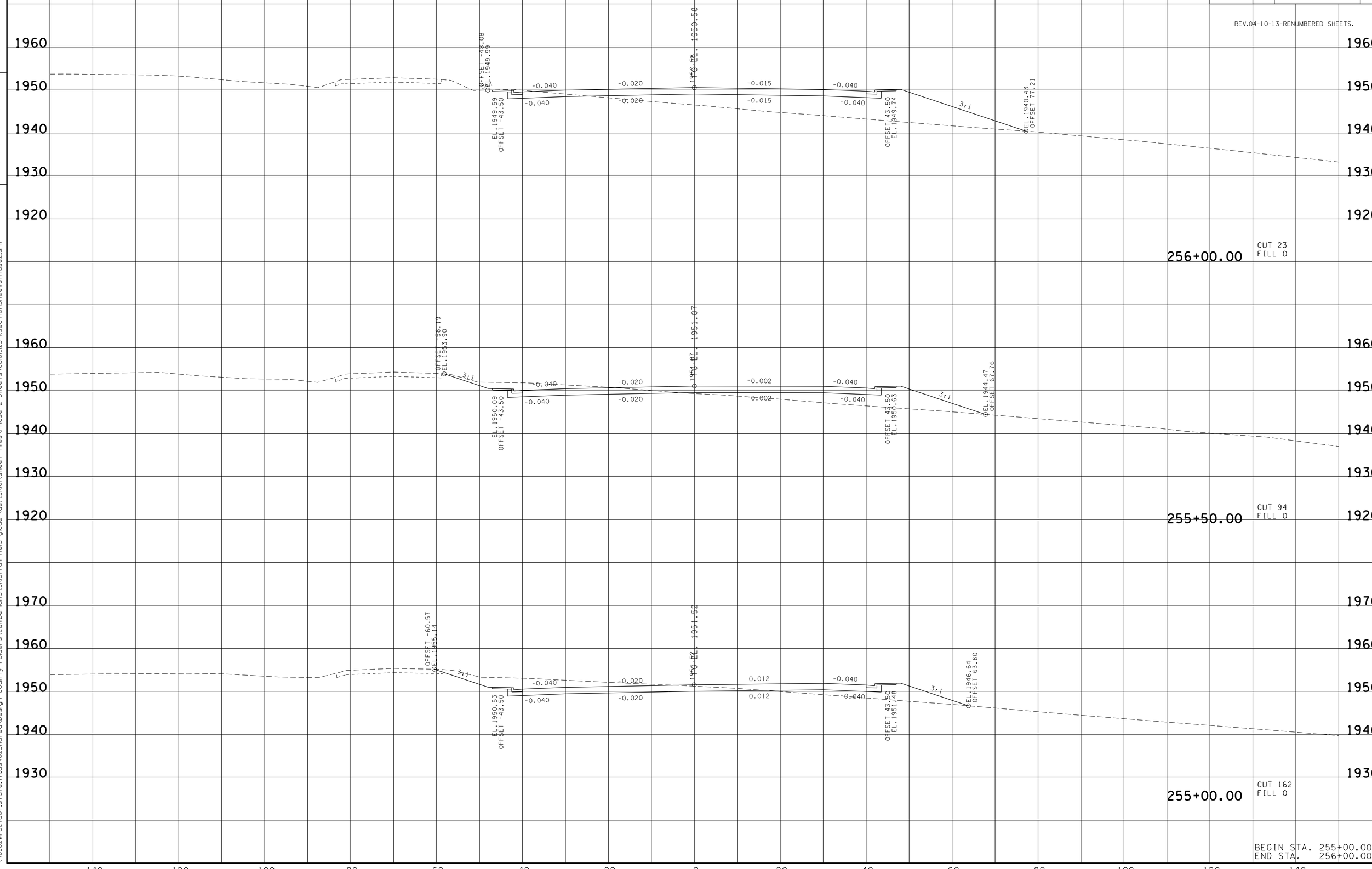
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	141

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 255+00.00
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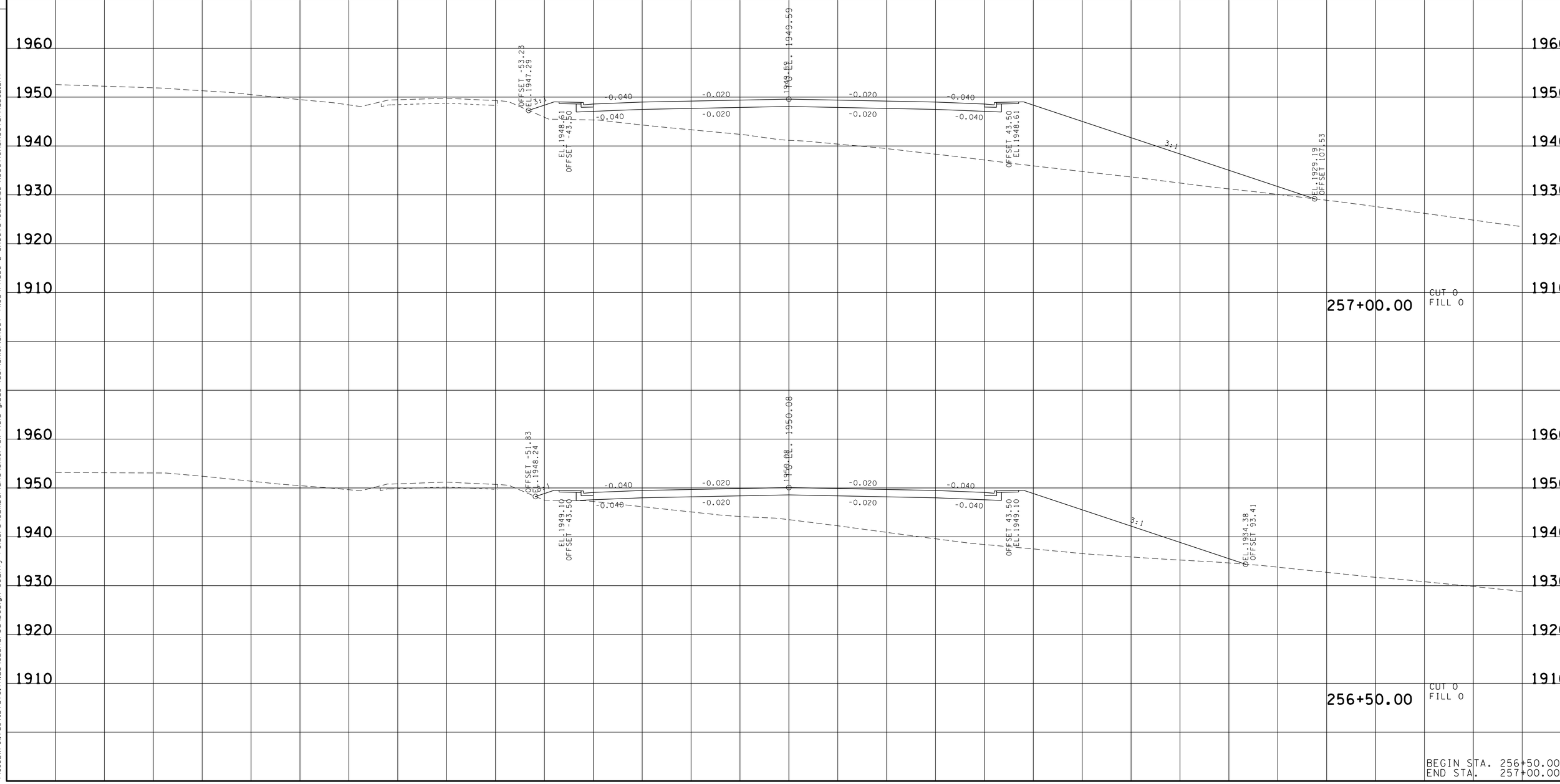
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	142

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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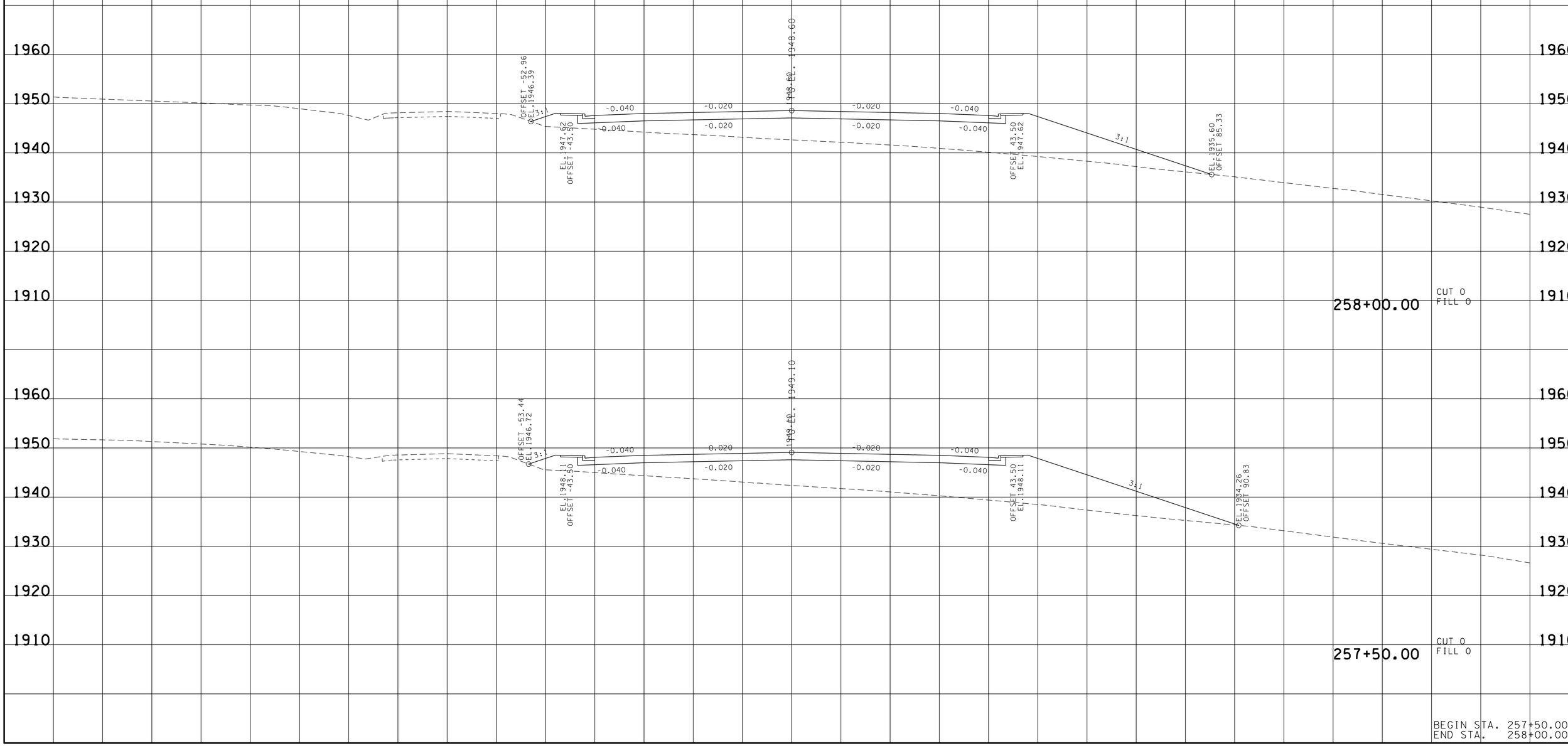
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	143

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 257+50.00
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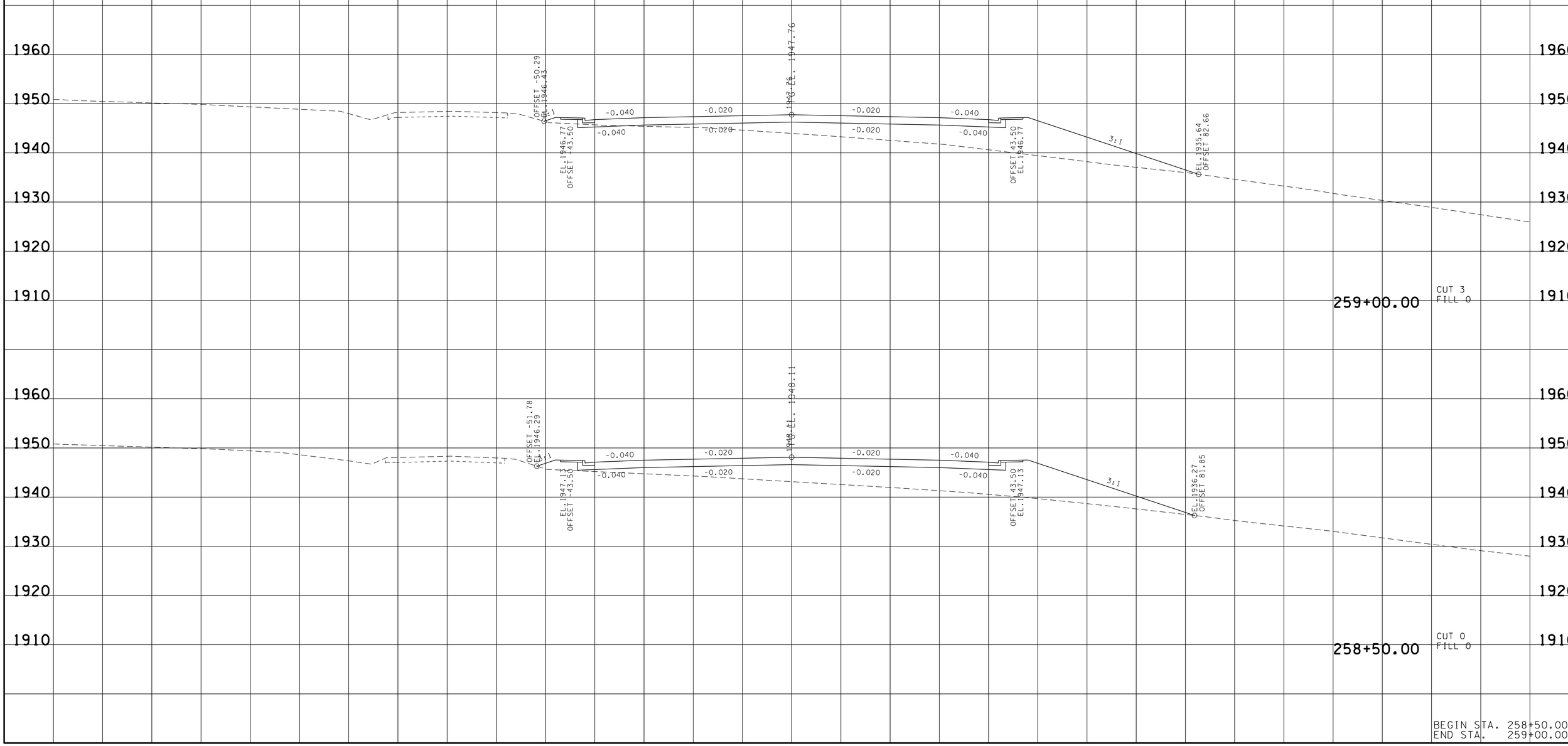
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	144

REV.04-10-13-RENUMBERED SHEETS.

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



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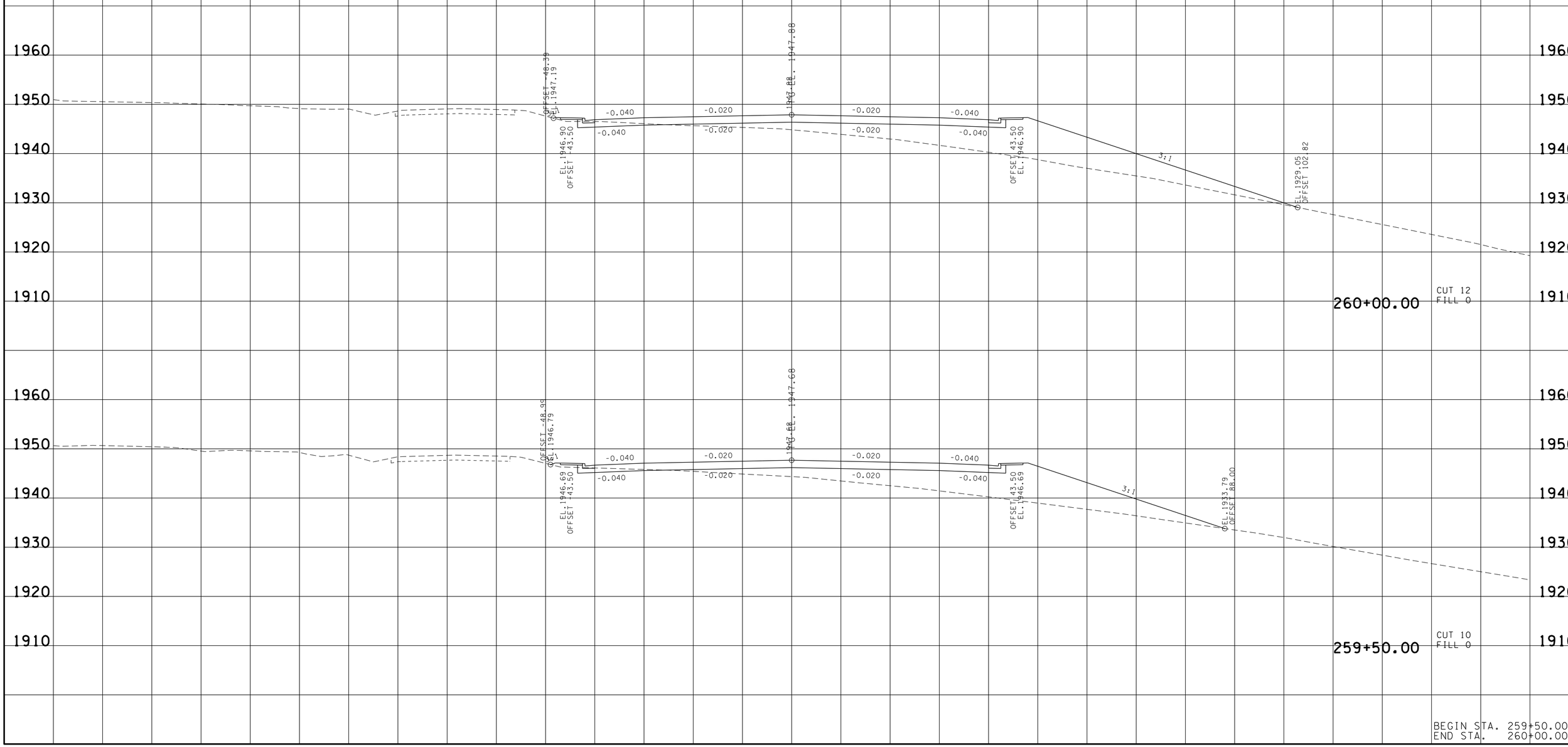
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	145

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



BEGIN STA. 259+50.00
END STA. 260+00.00

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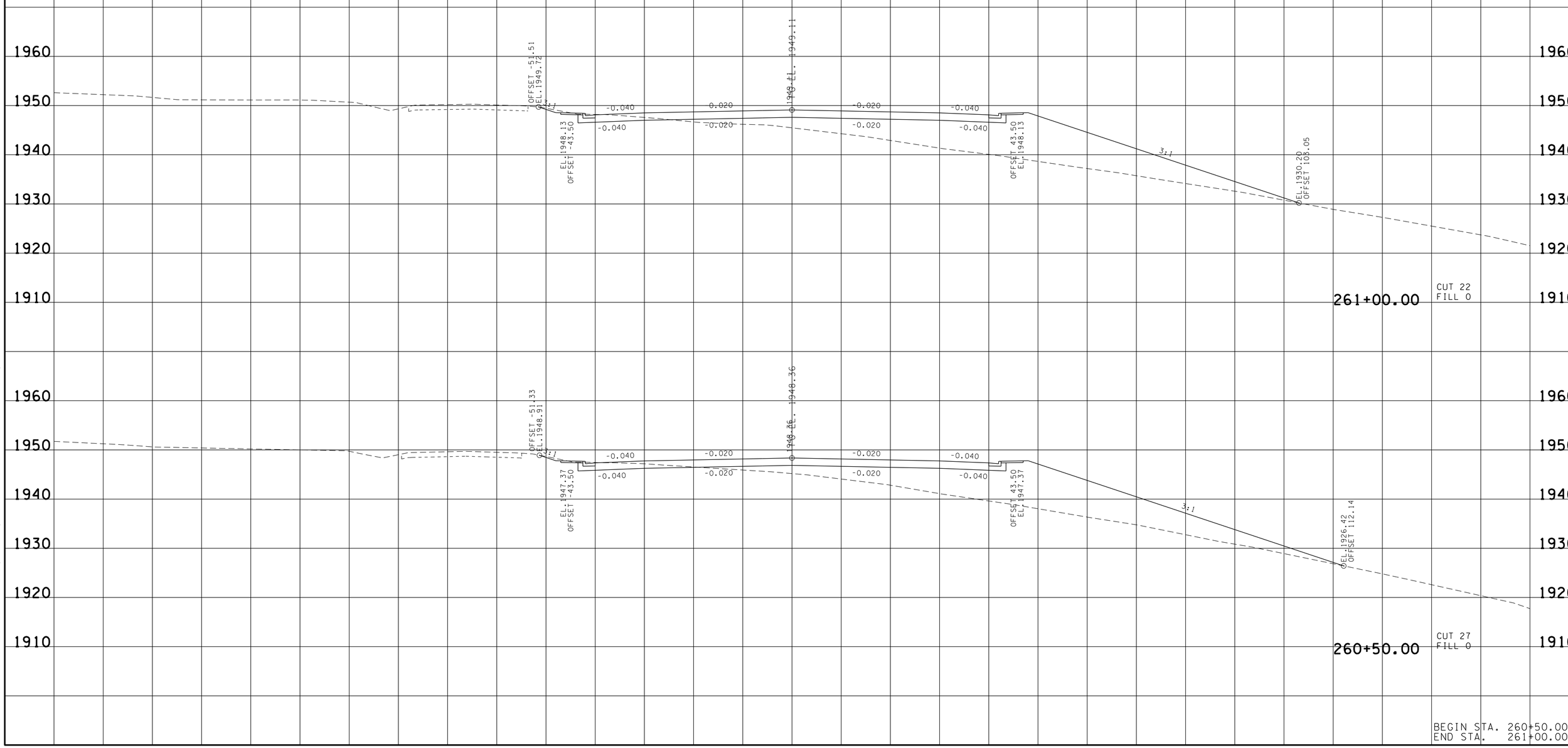
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	146

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 260+50.00
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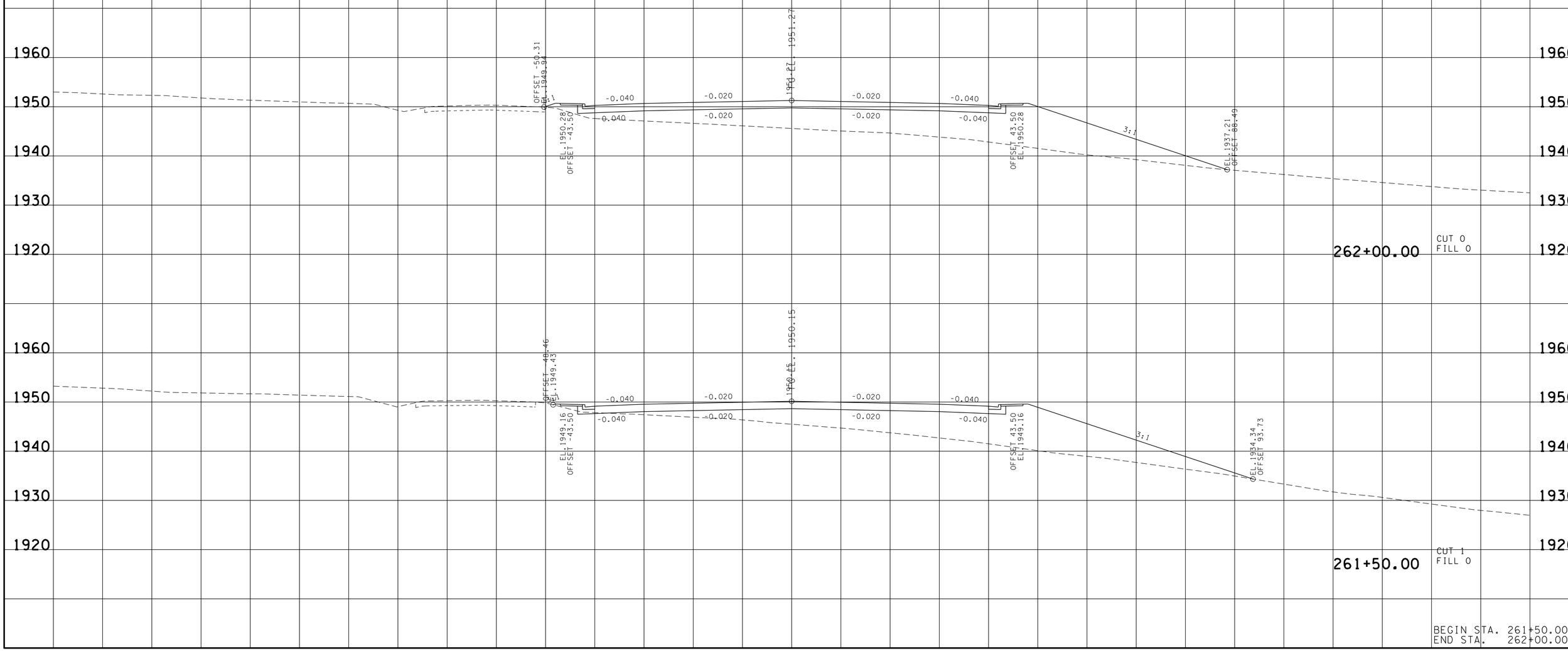
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	147

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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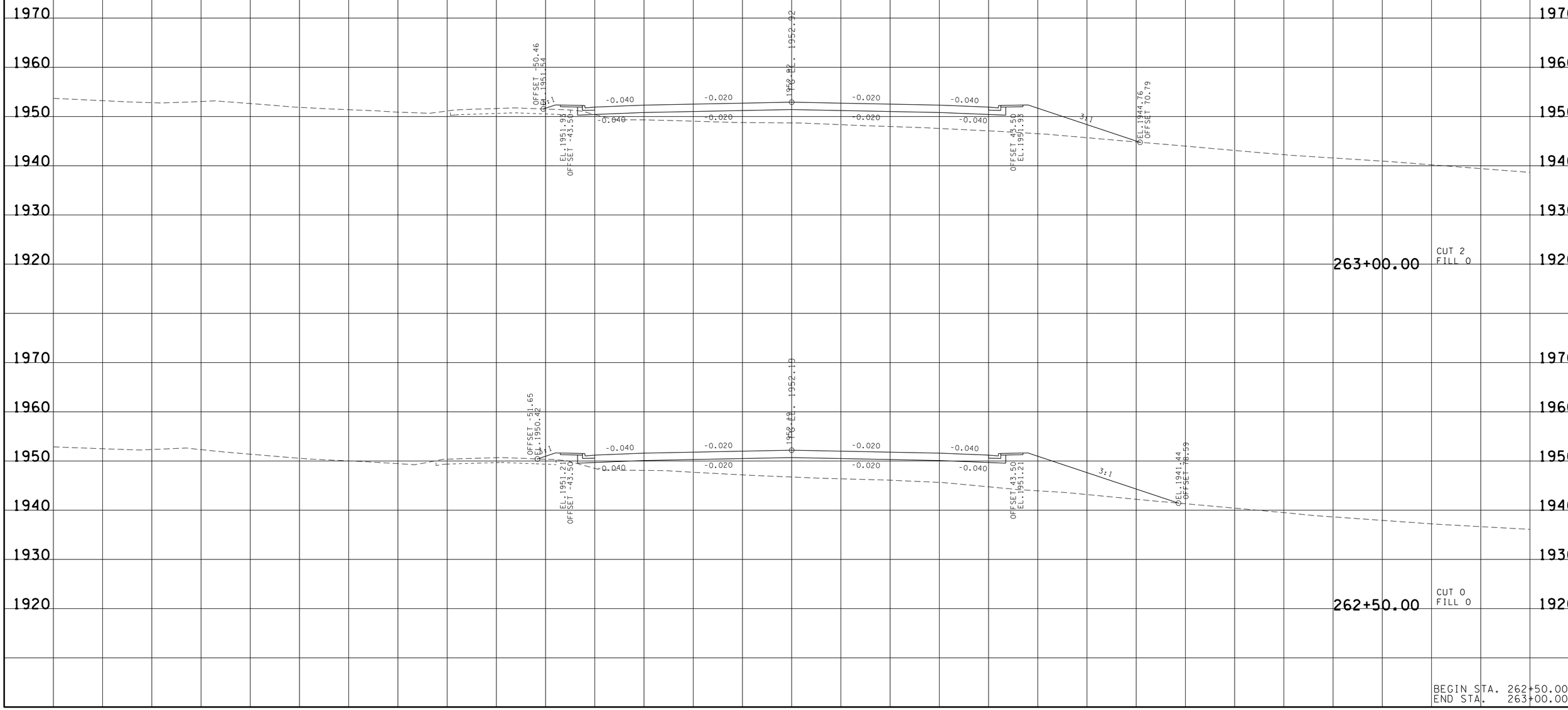
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	148

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



BEGIN STA. 262+50.00
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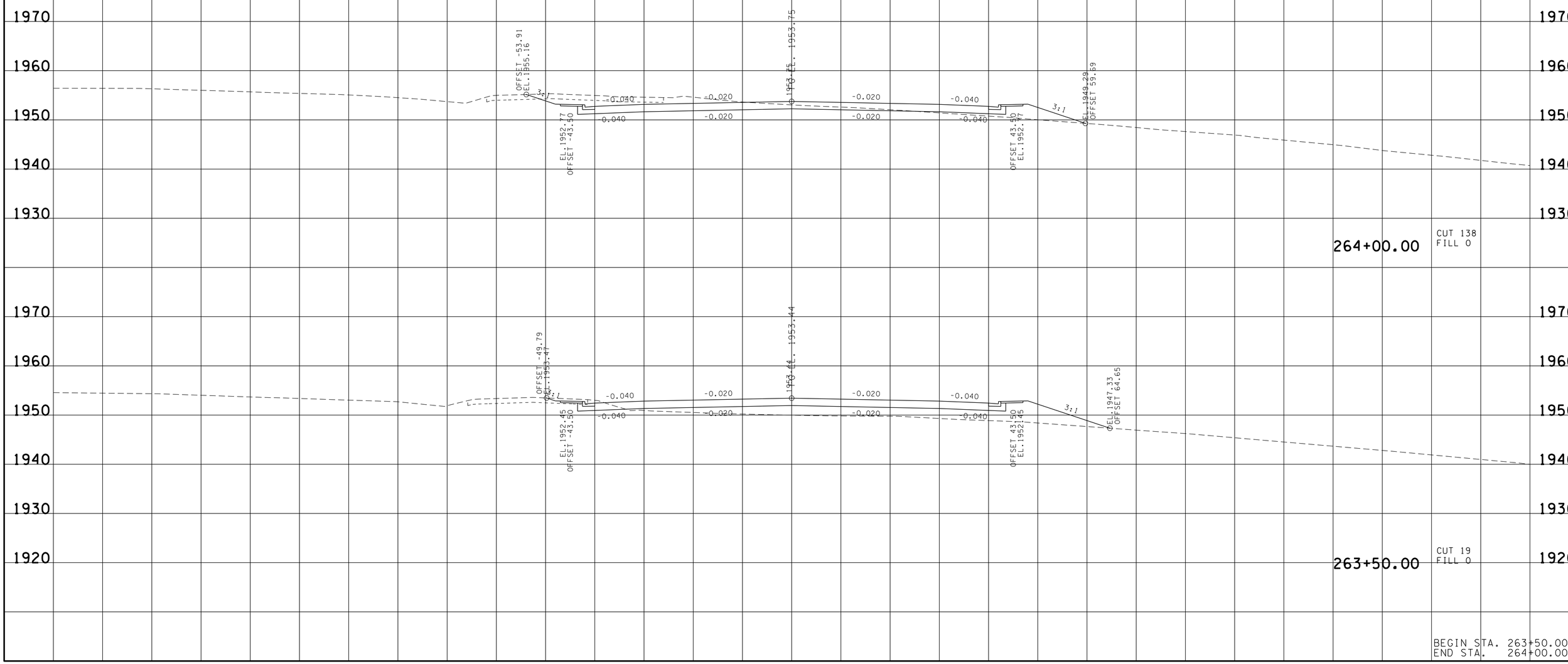
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	149

REV.04-10-13-RENUMBERED SHEETS.

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



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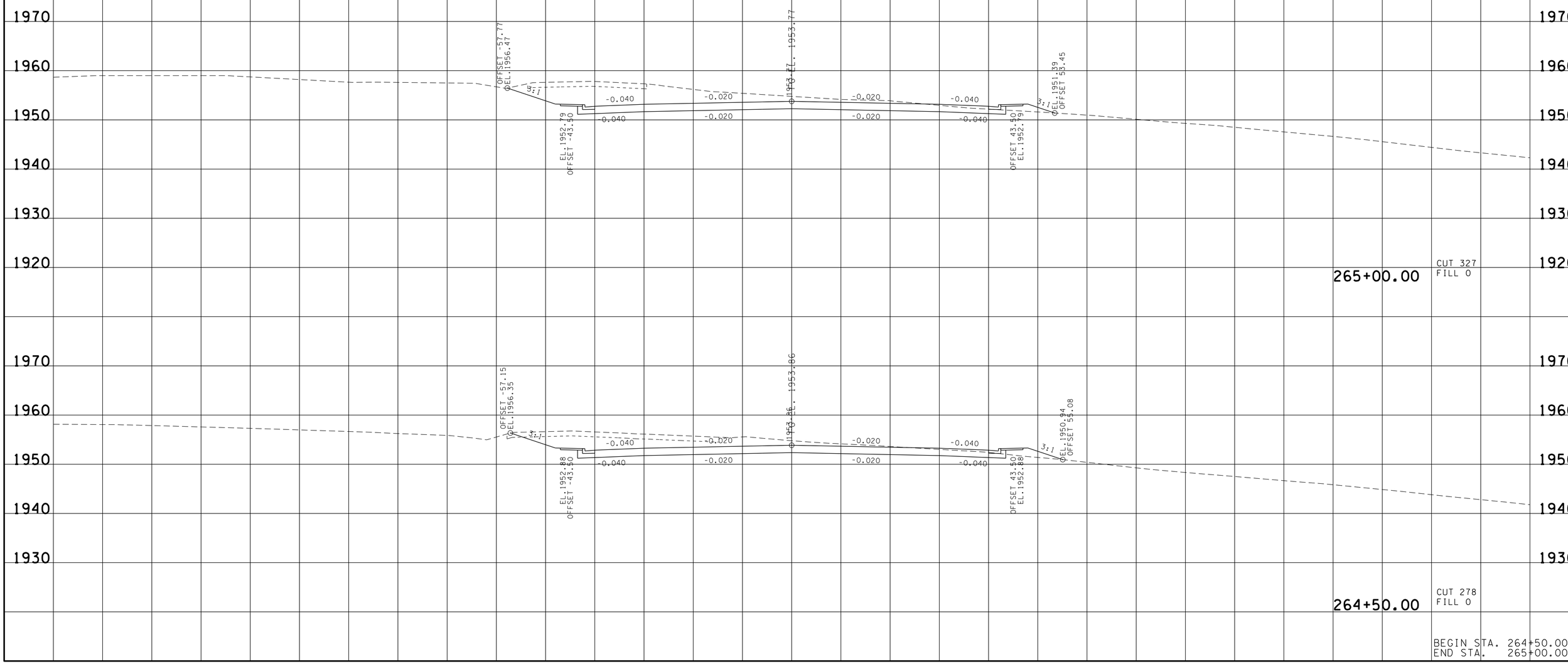
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	150

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



BEGIN STA. 264+50.00
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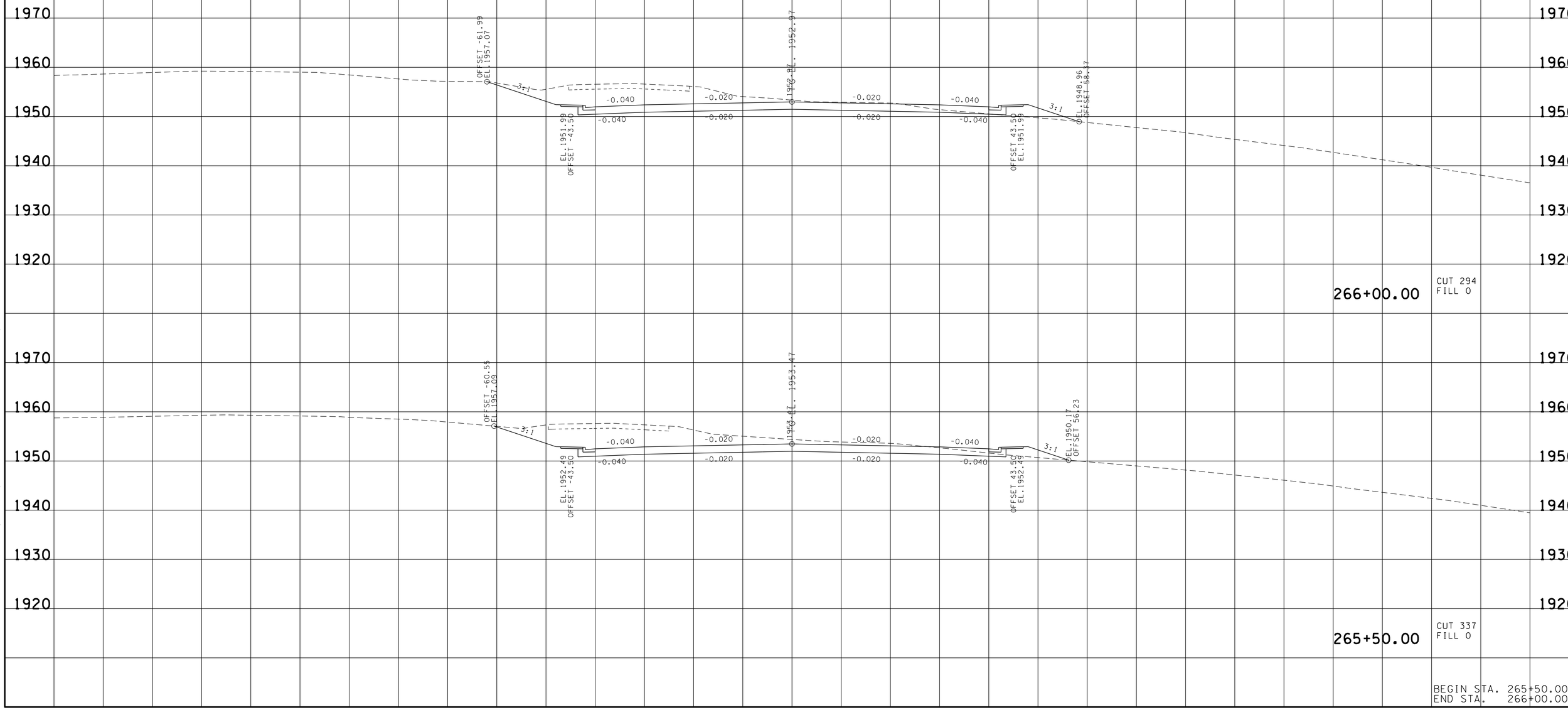
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	151

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 265+50.00
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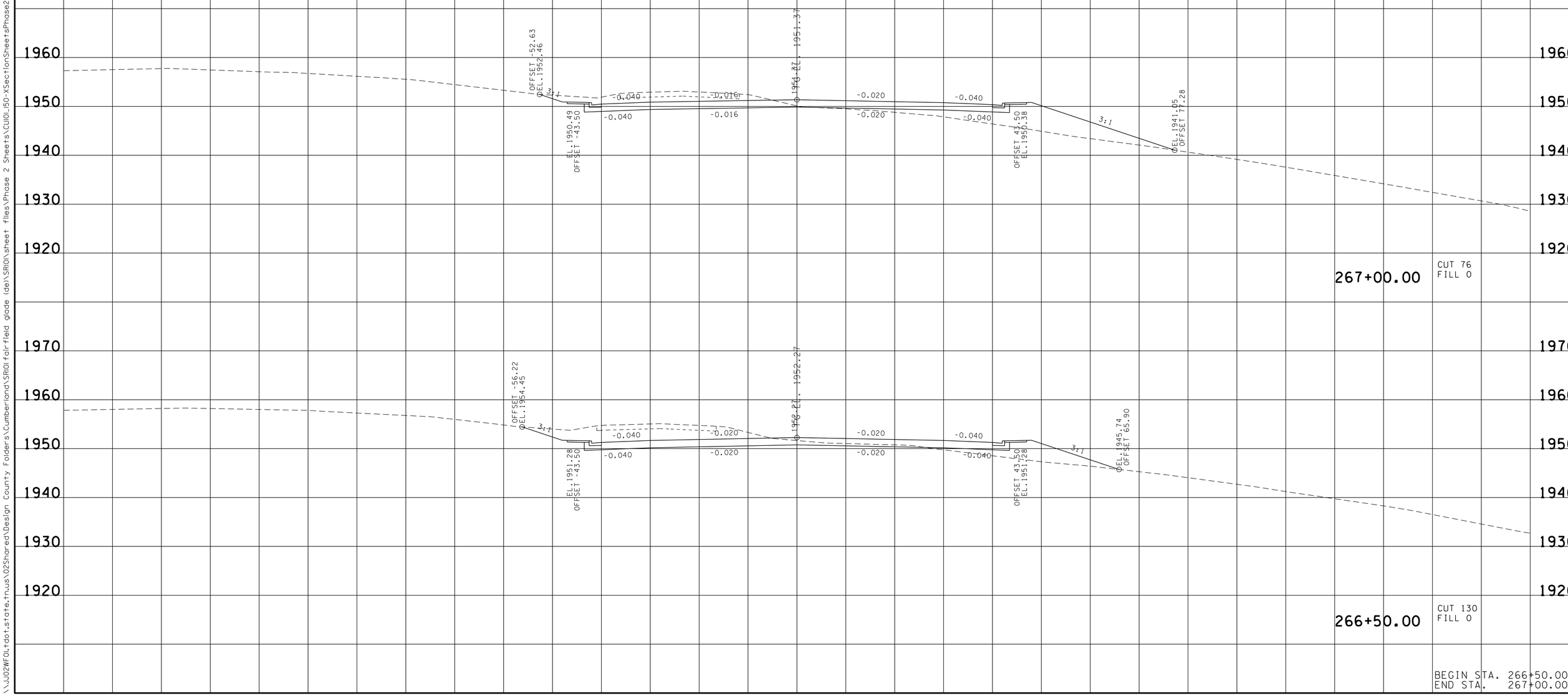
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	152

REV.04-10-13-RENUMBERED SHEETS.

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



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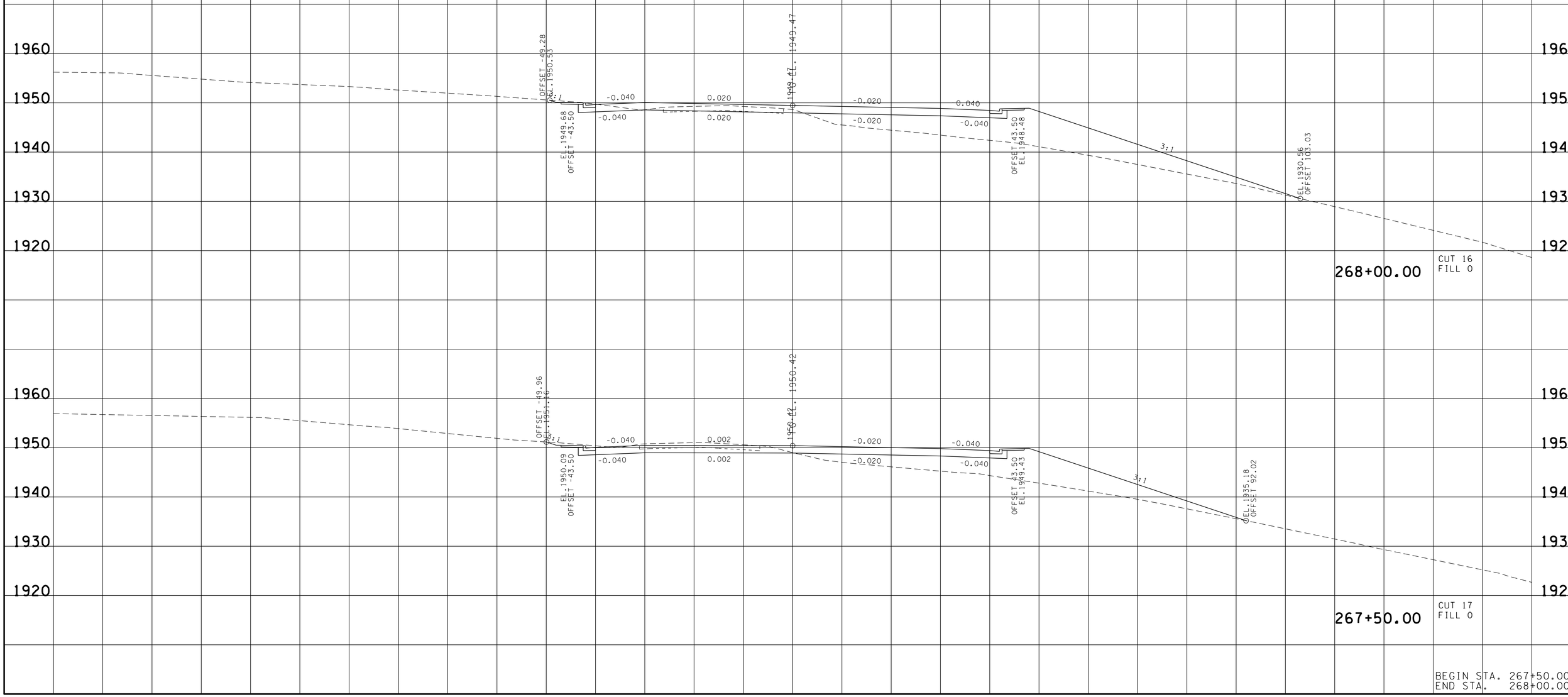
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	153

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 267+50.00
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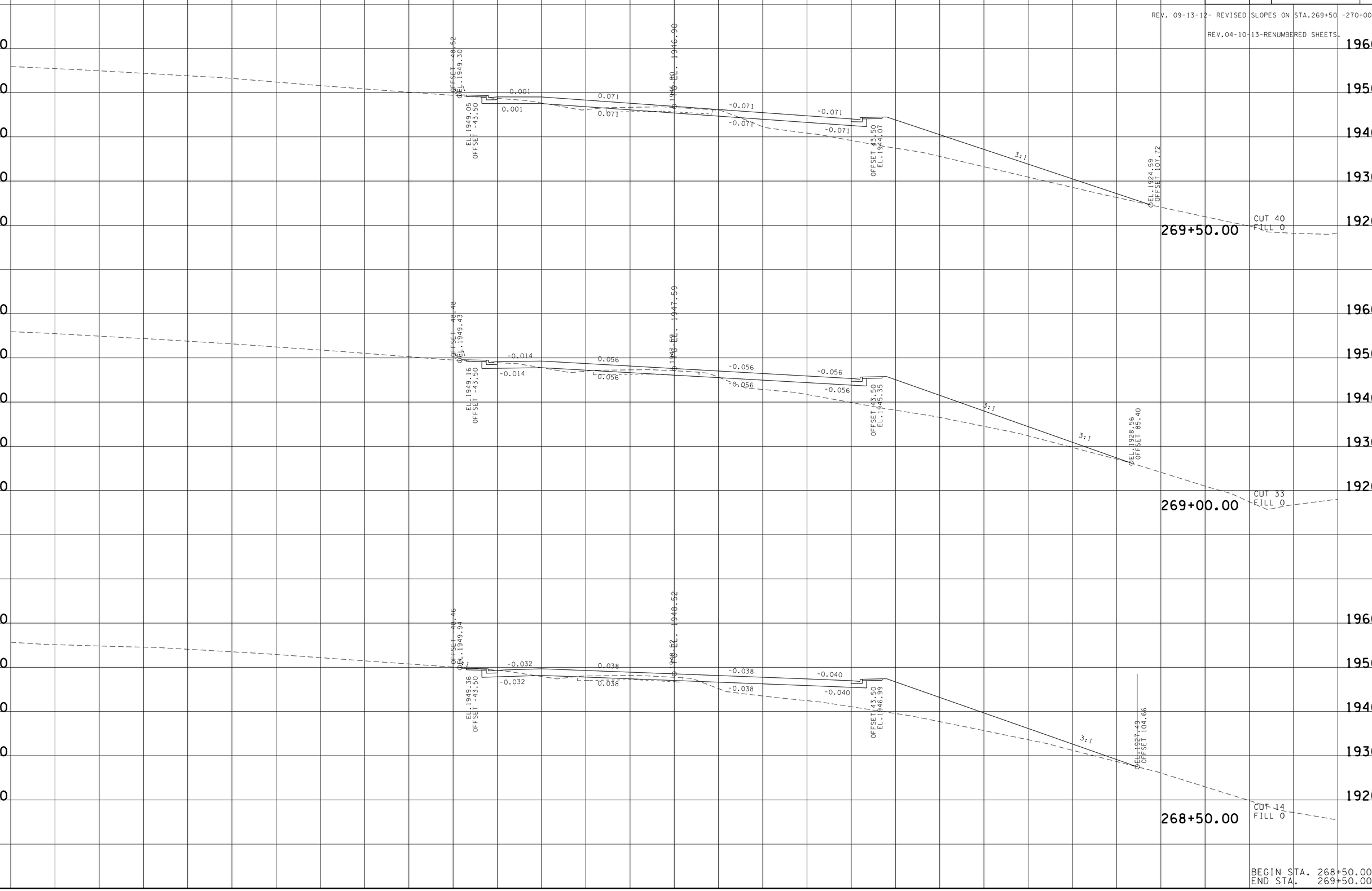
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	154

REV. 09-13-12- REVISED SLOPES ON STA.269+50 -270+00

REV.04-10-13-RENUMBERED SHEETS.



BEGIN STA. 268+50.00
END STA. 269+50.00

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

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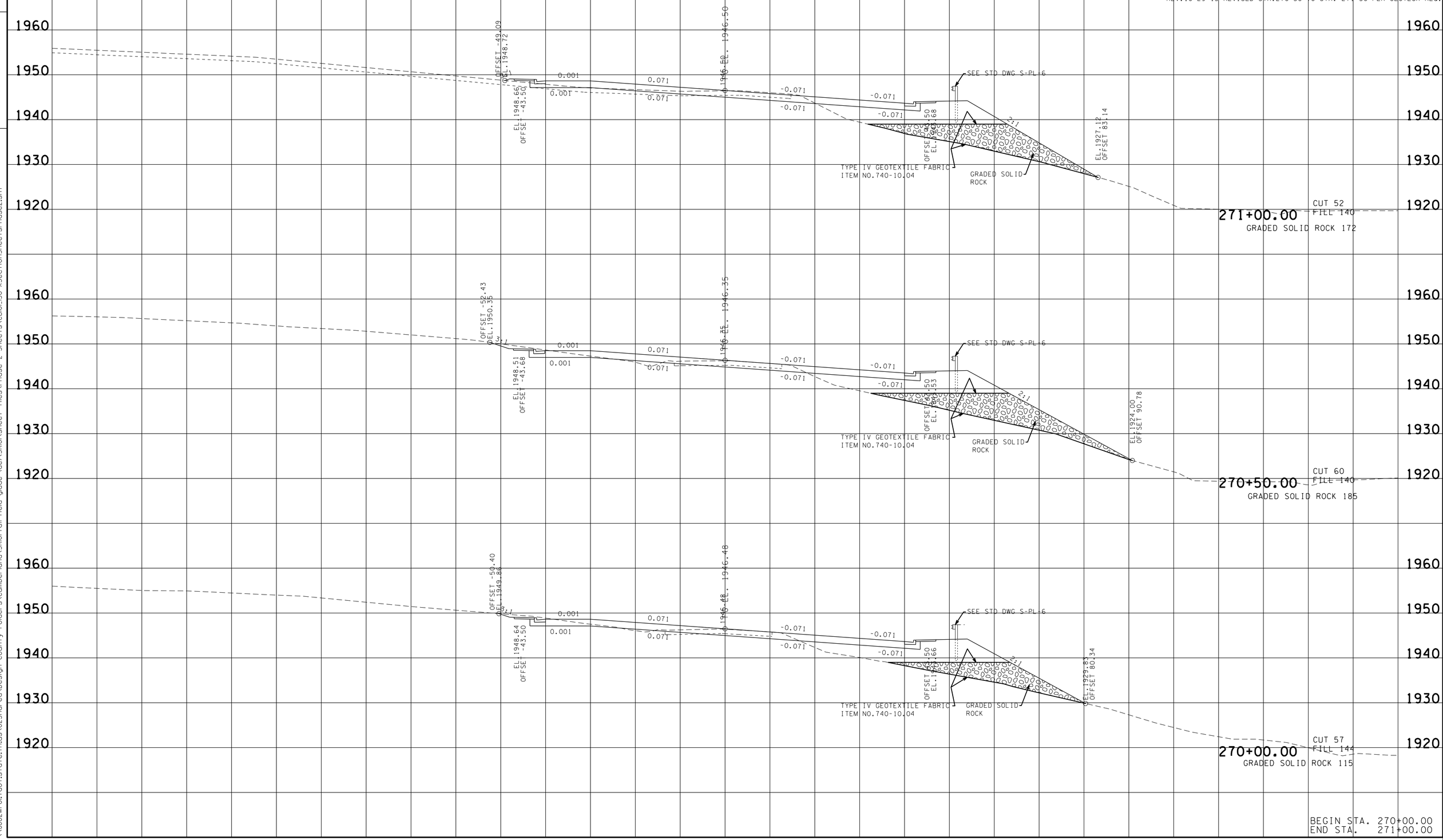
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	155

REV. 09-13-12- REVISED SLOPES ON STA.269+50 -270+00

REV.04-10-13-RENUMBERED SHEETS.

REV.09-17-15-ADDED GRADED SOLID ROCK PER GEOTECH REQ.

REV.10-29-15-REVISED STA.270+50 TO STA. 271+50 PER GEOTECH REQ.



BEGIN STA. 270+00.00
END STA. 271+00.00

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	156

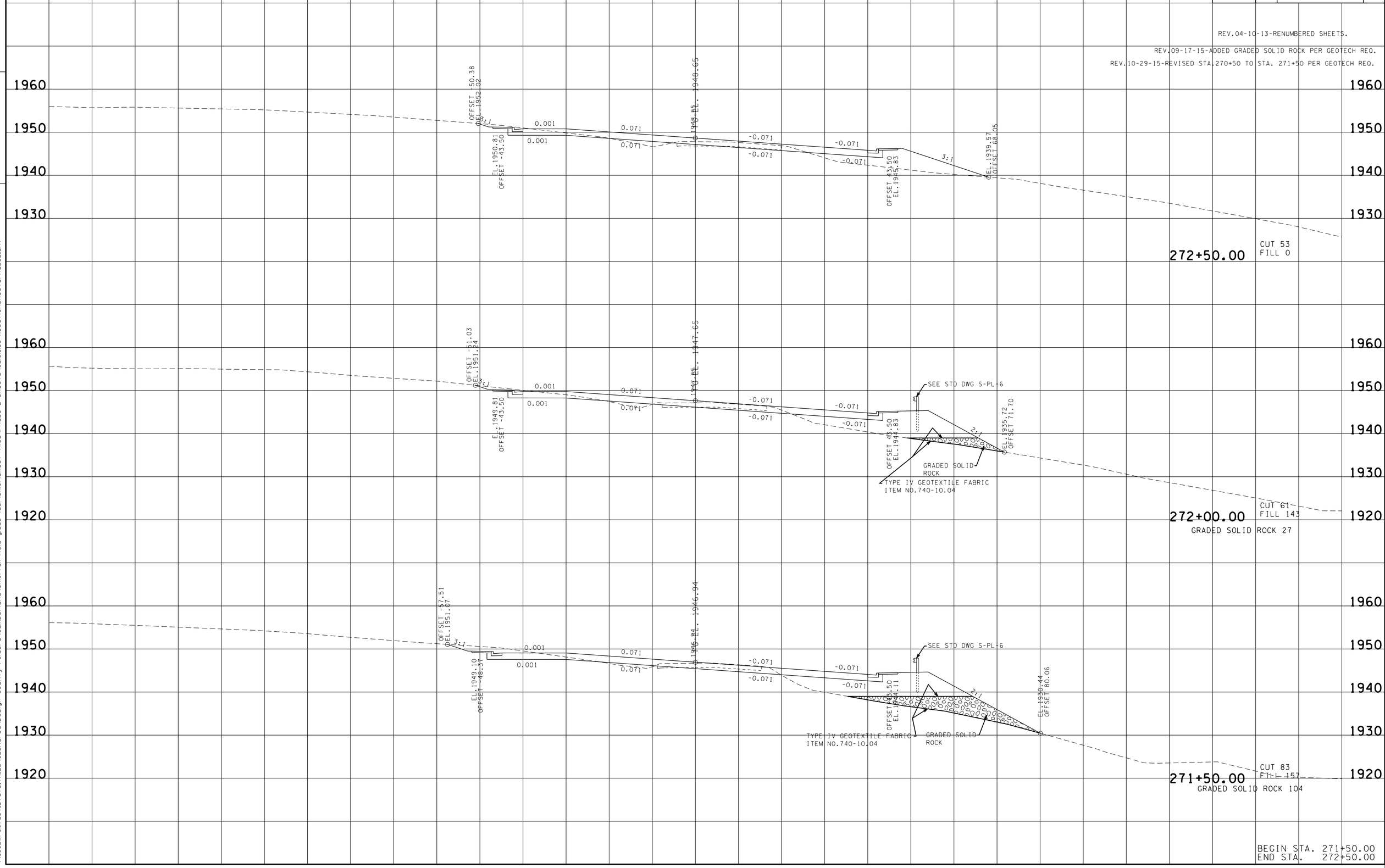
REV.04-10-13-RENUMBERED SHEETS.

REV.09-17-15-ADDED GRADED SOLID ROCK PER GEOTECH REQ.

REV.10-29-15-REVISED STA.270+50 TO STA. 271+50 PER GEOTECH REQ.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



BEGIN STA. 271+50.00
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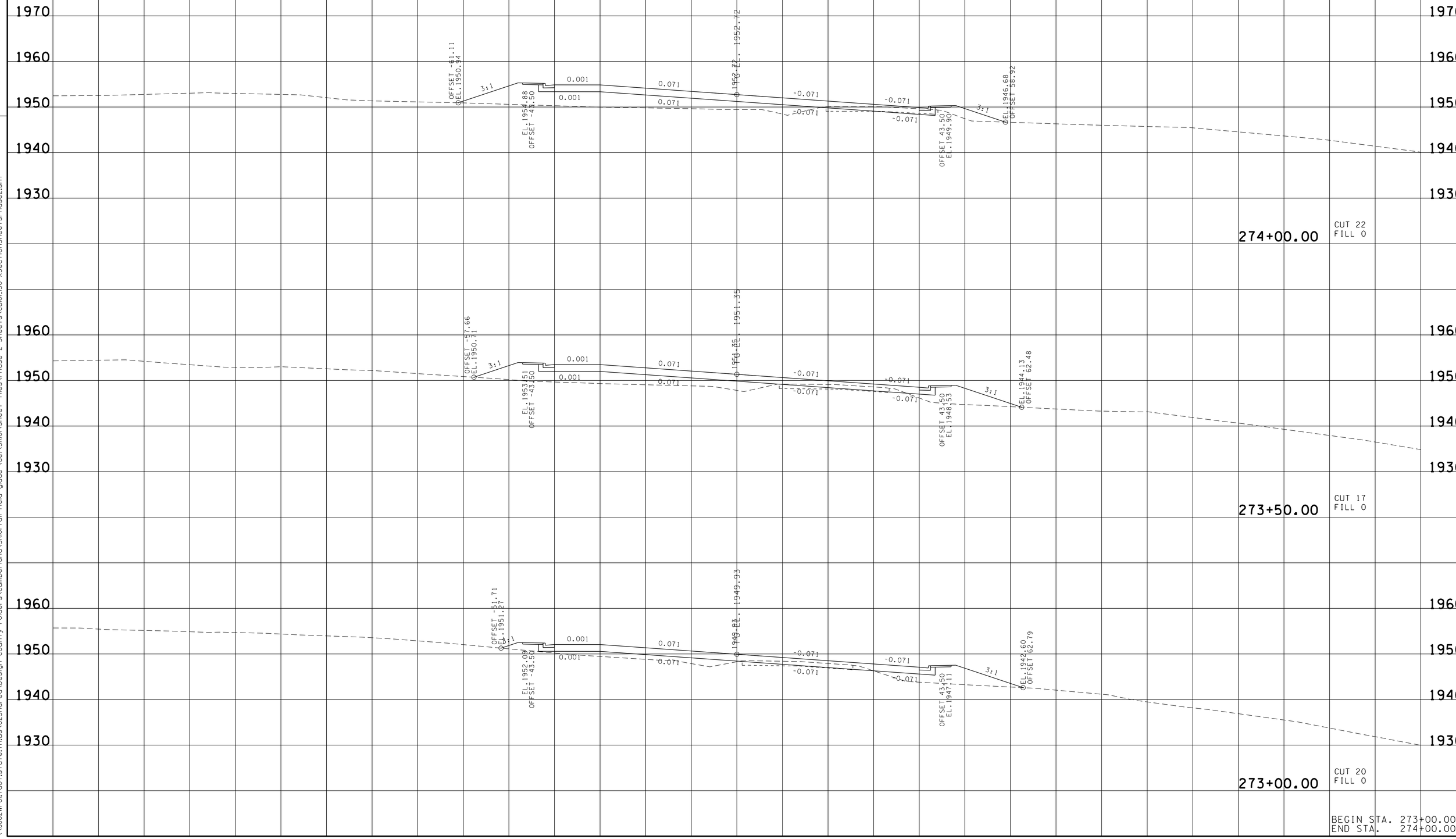
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	157

REV.04-10-13-RENUMBERED SHEETS.

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



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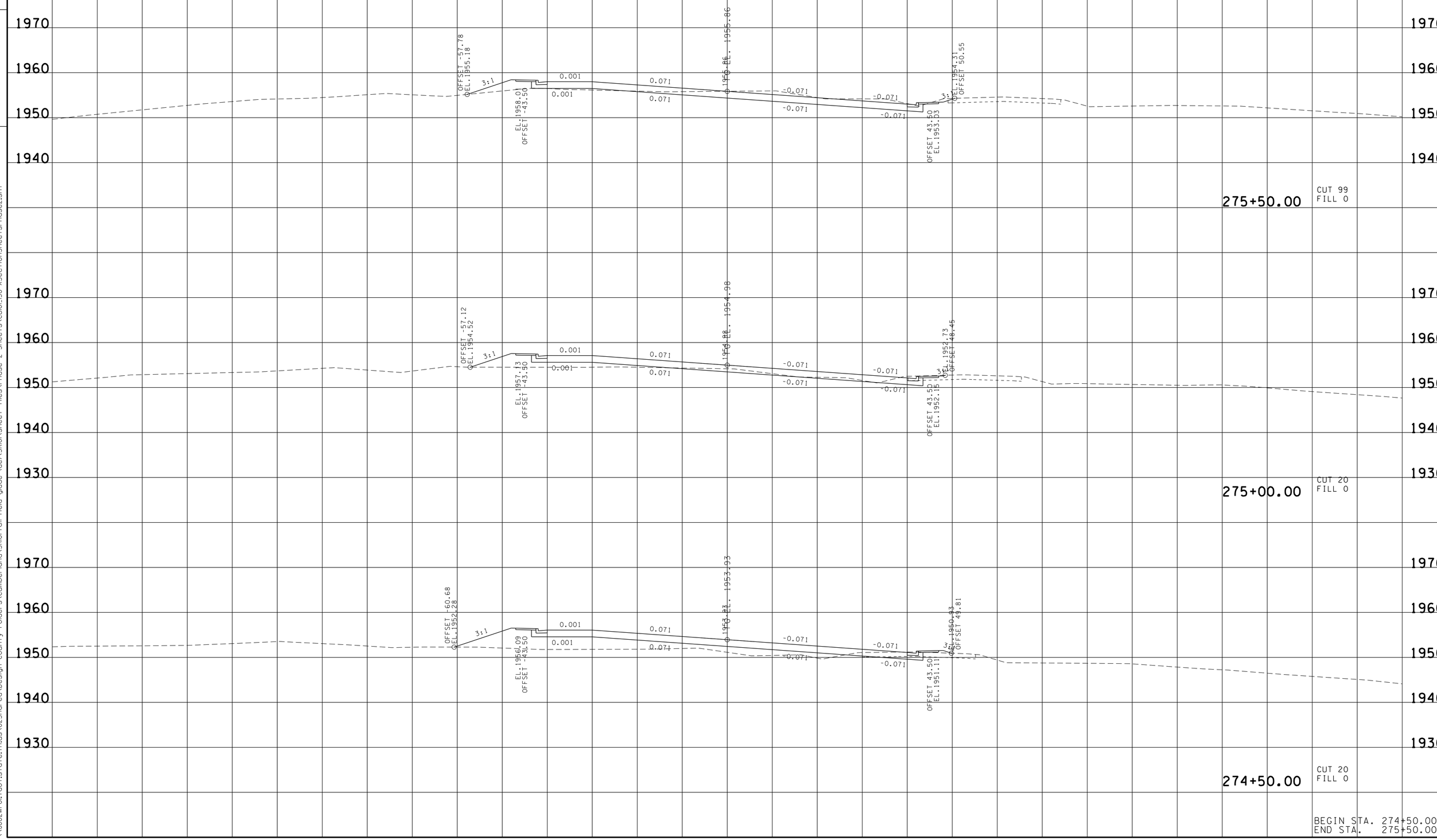
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	158

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



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END STA. 275+50.00

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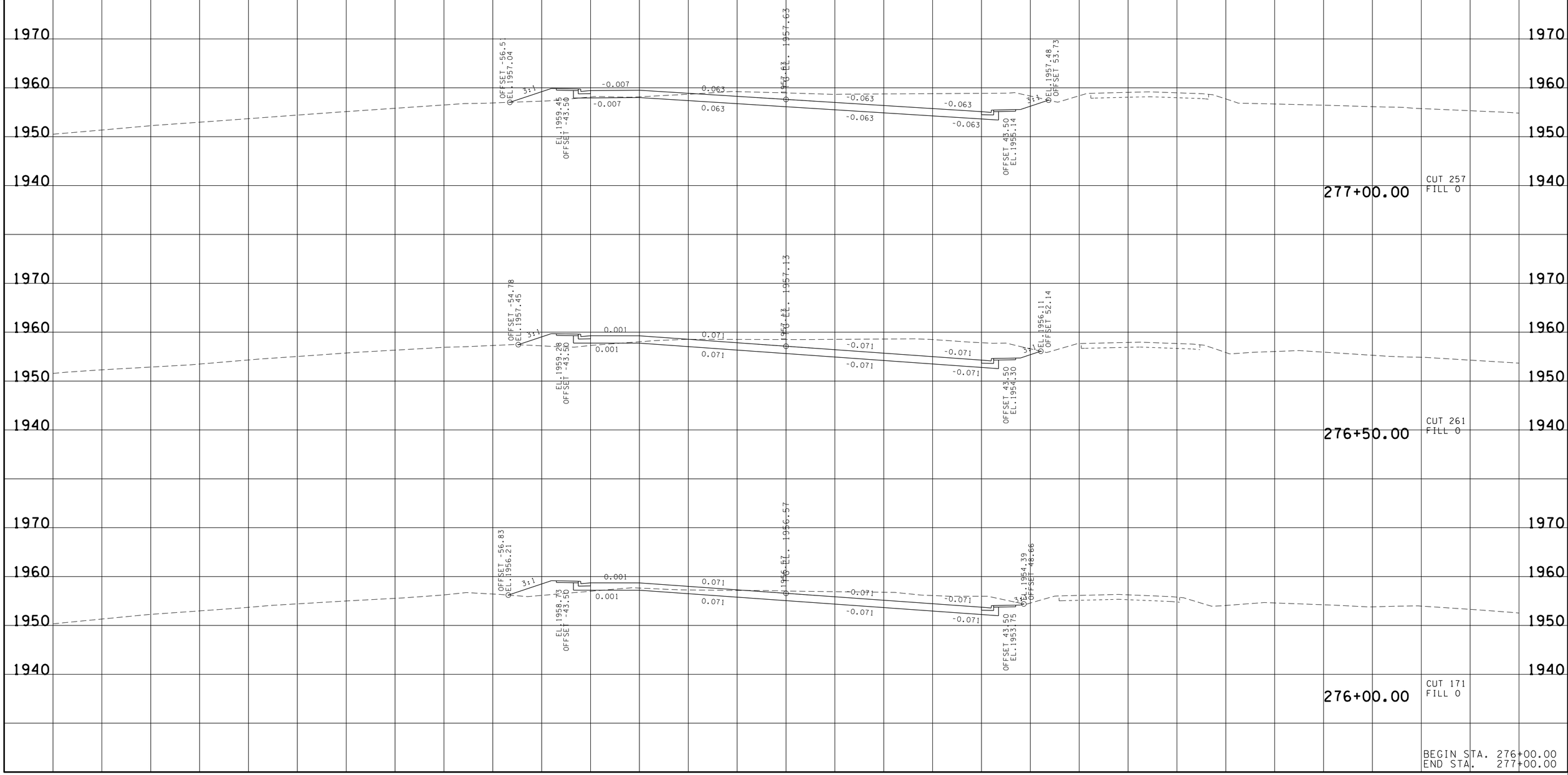
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	159

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 276+00.00
END STA. 277+00.00

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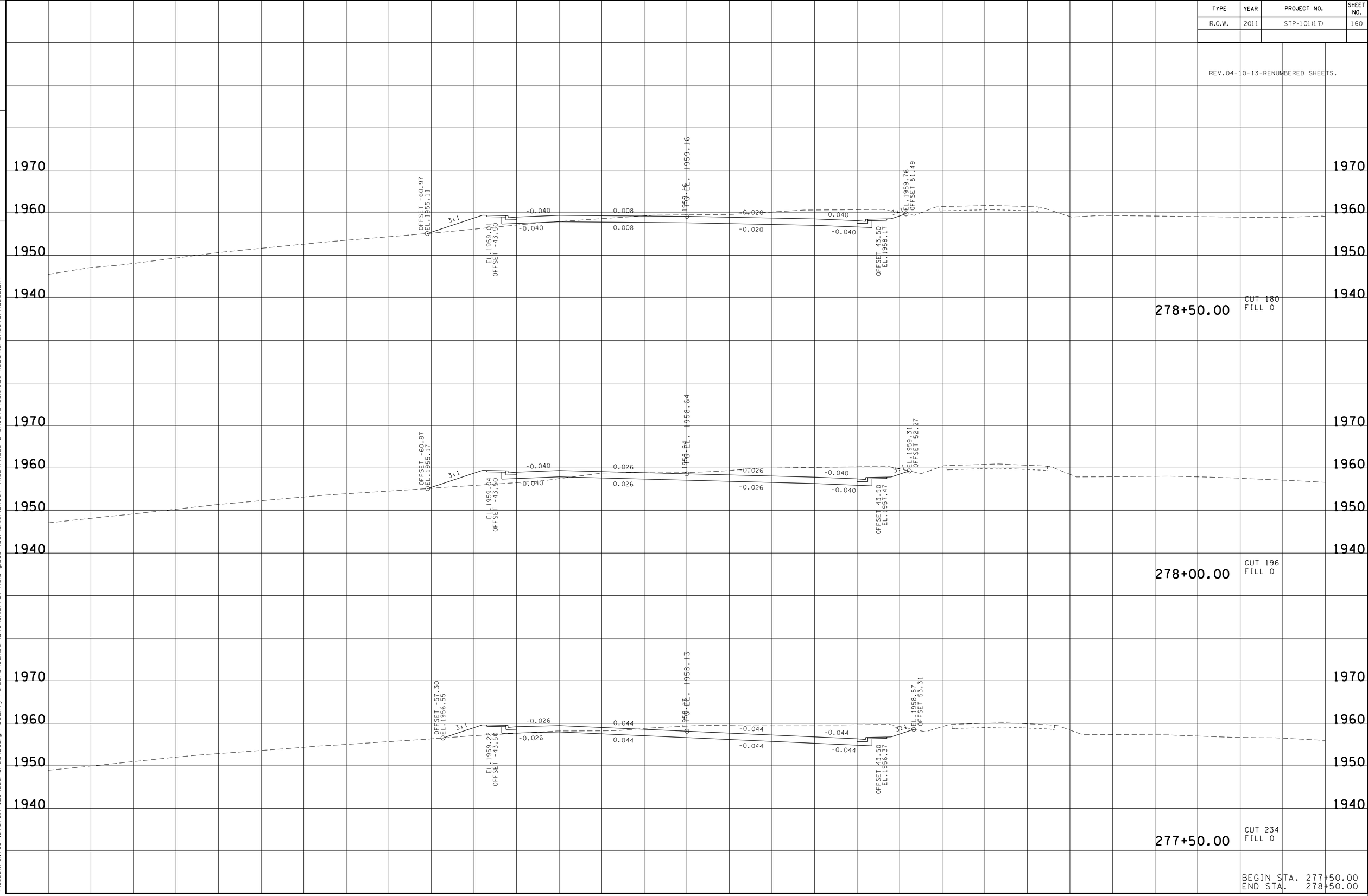
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	160

REV.04-10-13-RENUMBERED SHEETS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 277+50.00
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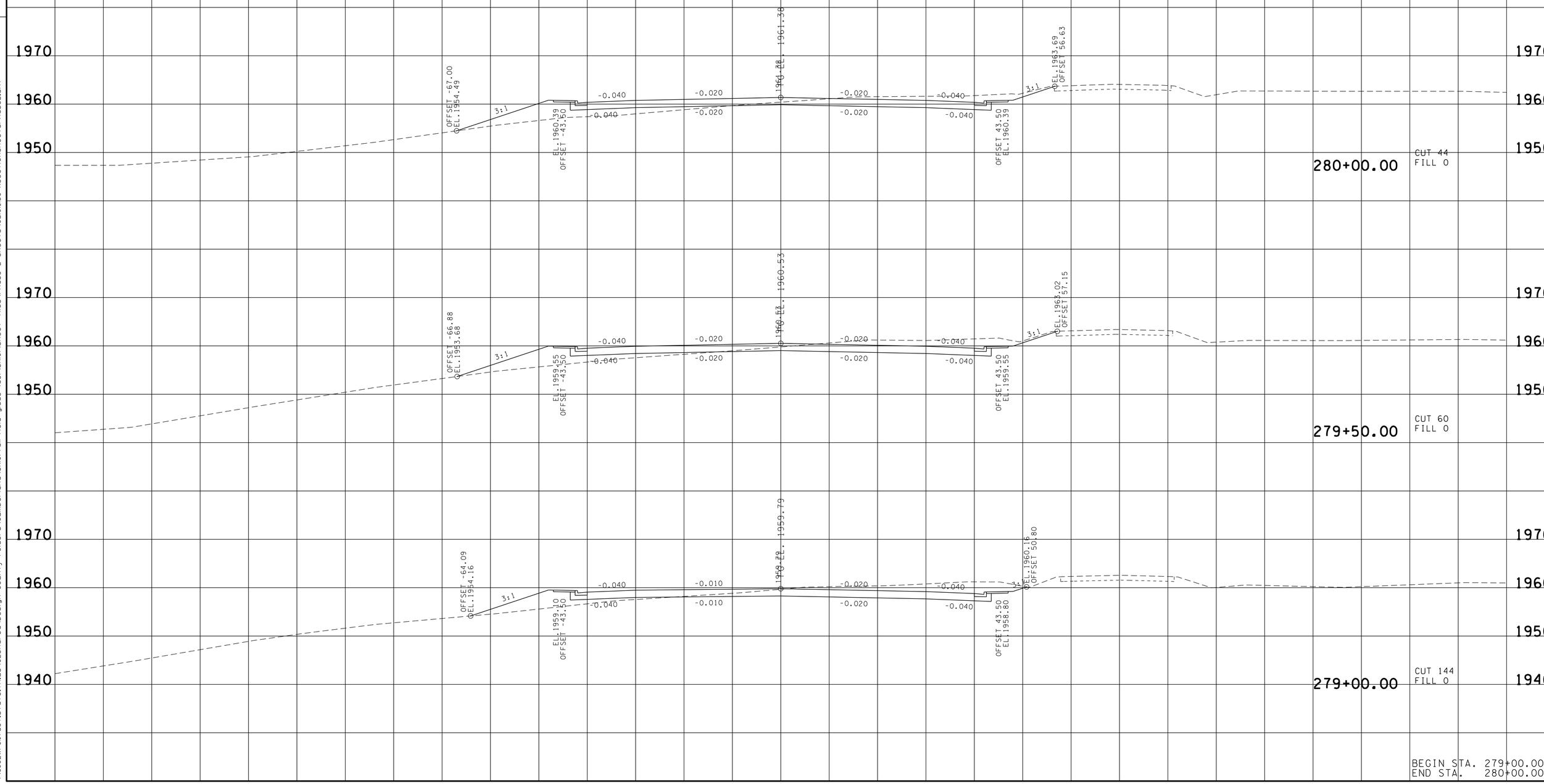
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	161

REV.04-10-13-RENUMBERED SHEETS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 279+00.00
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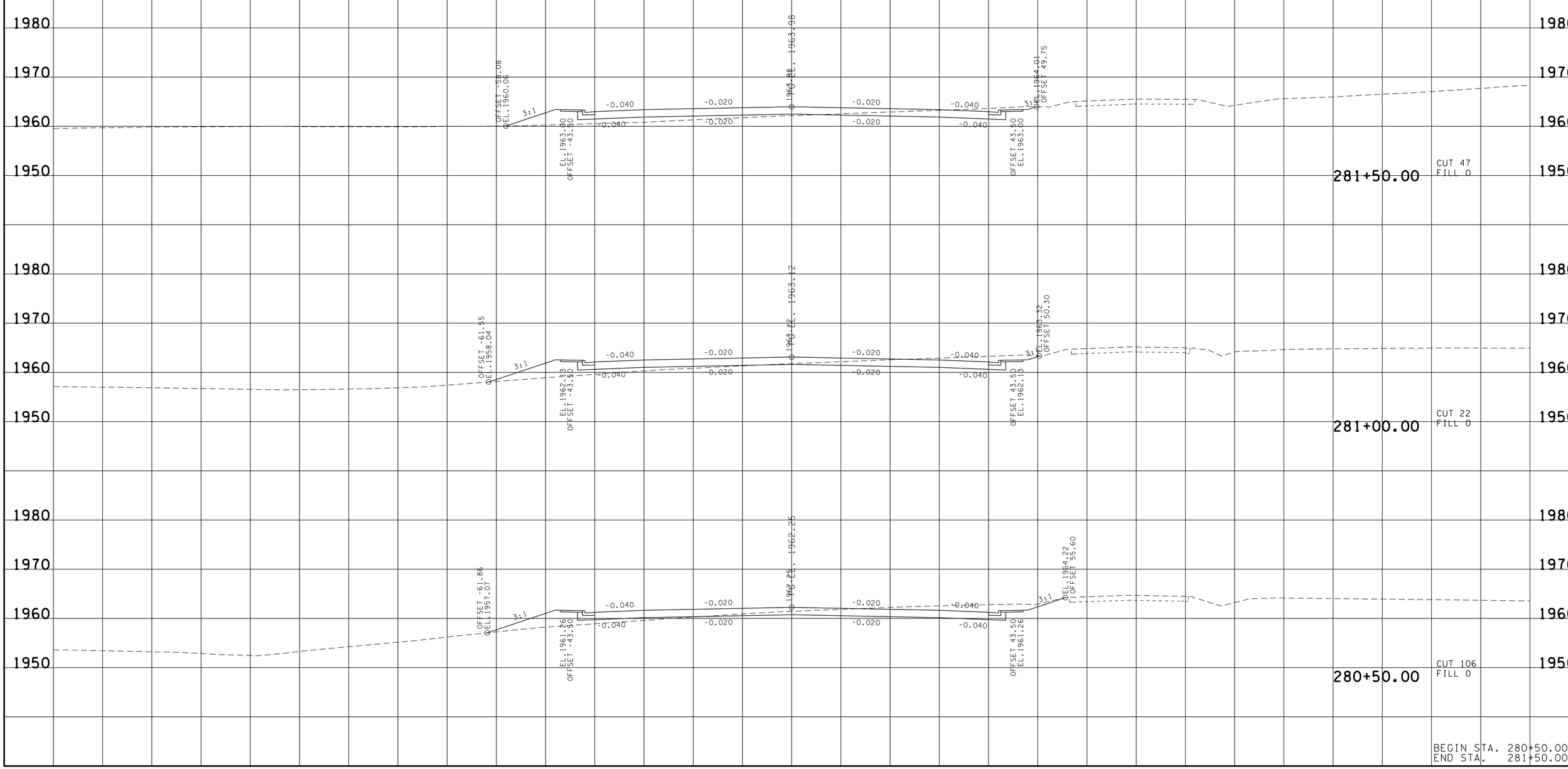
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	162

REV.04-10-13-RENUMBERED SHEETS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 280+50.00
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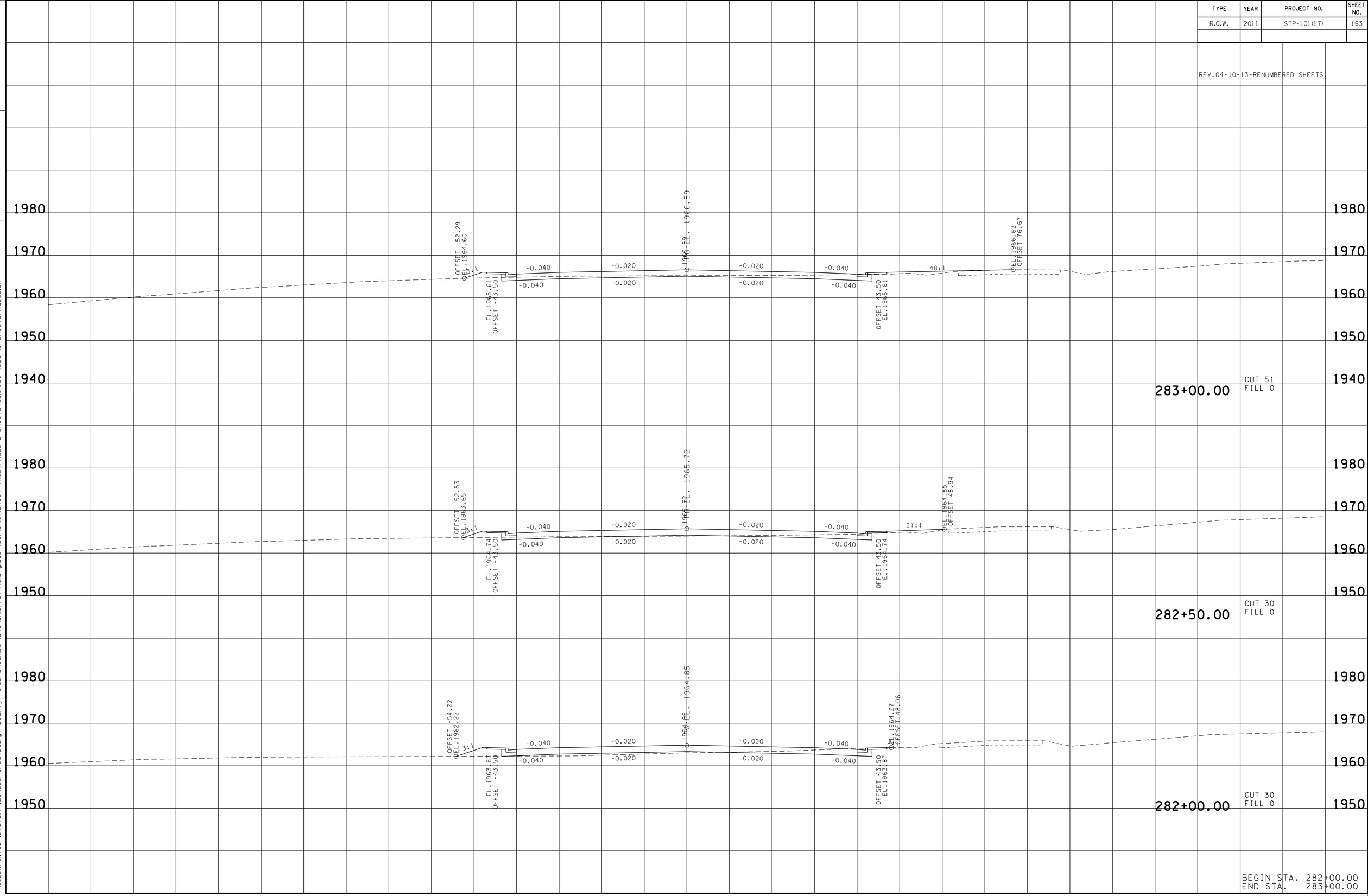
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	163

REV.04-10-13-RENUMBERED SHEETS.



BEGIN STA. 282+00.00
END STA. 283+00.00

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

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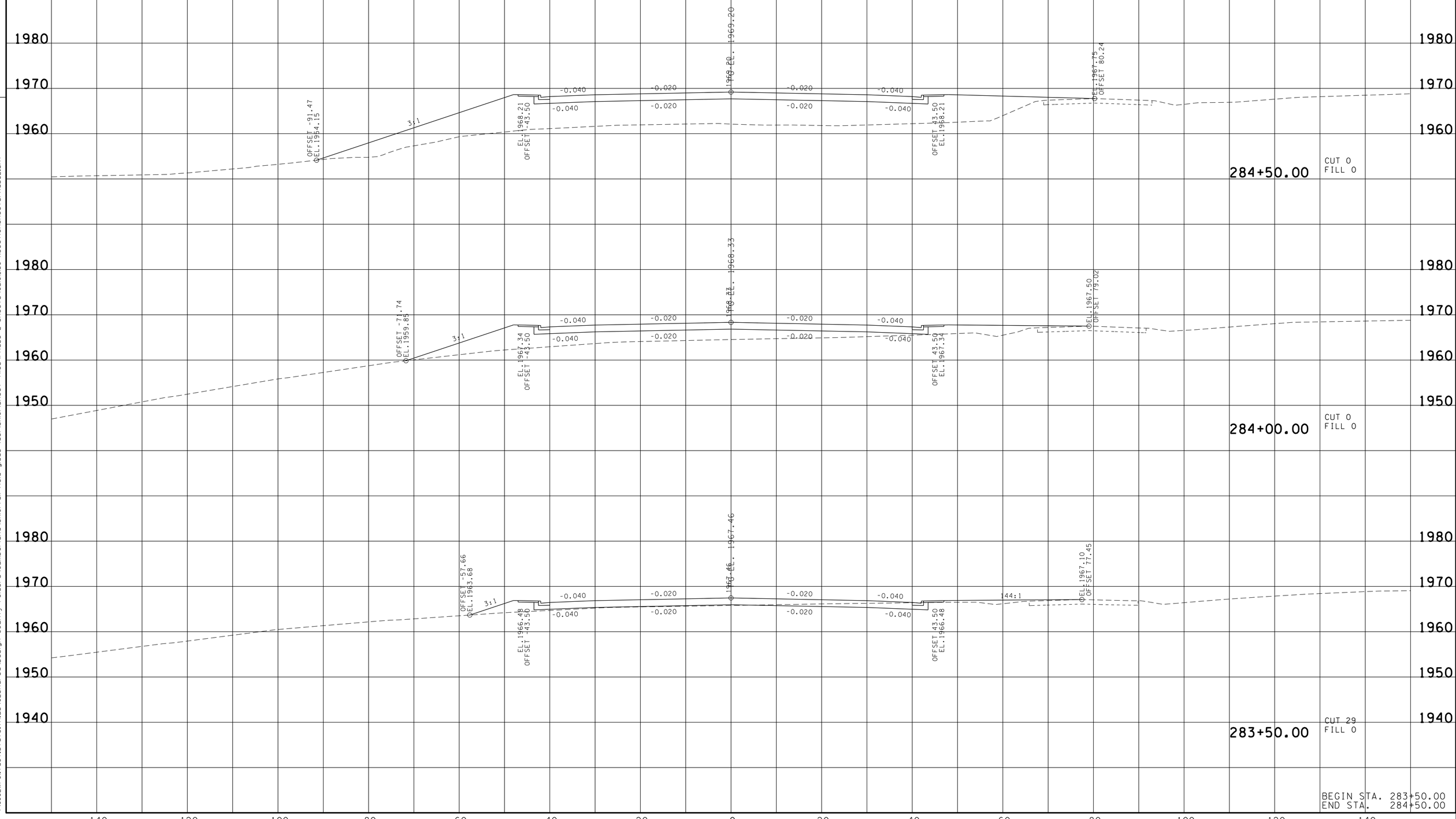
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	164

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 283+50.00
END STA. 284+50.00

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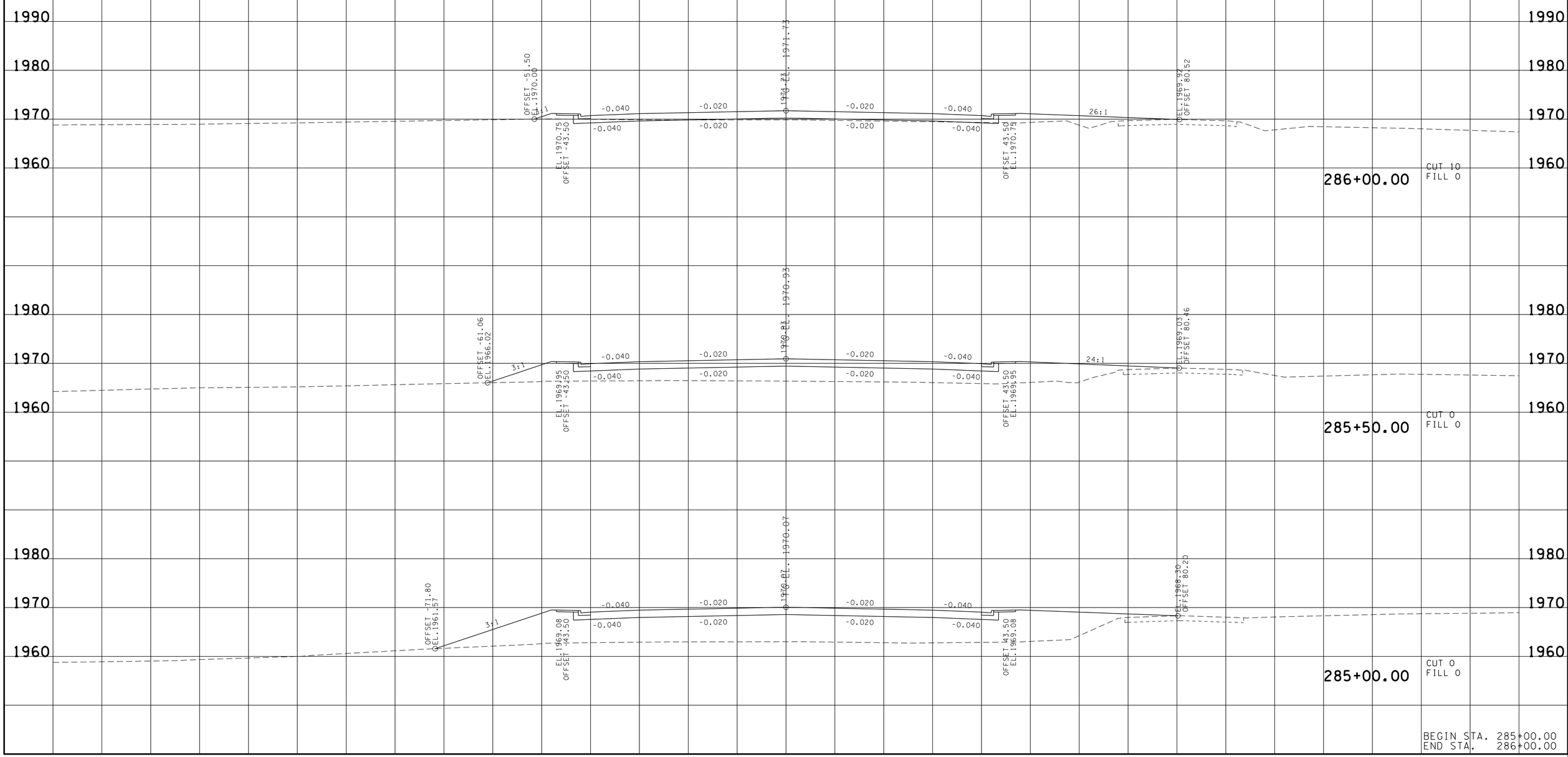
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	165

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 285+00.00
END STA. 286+00.00

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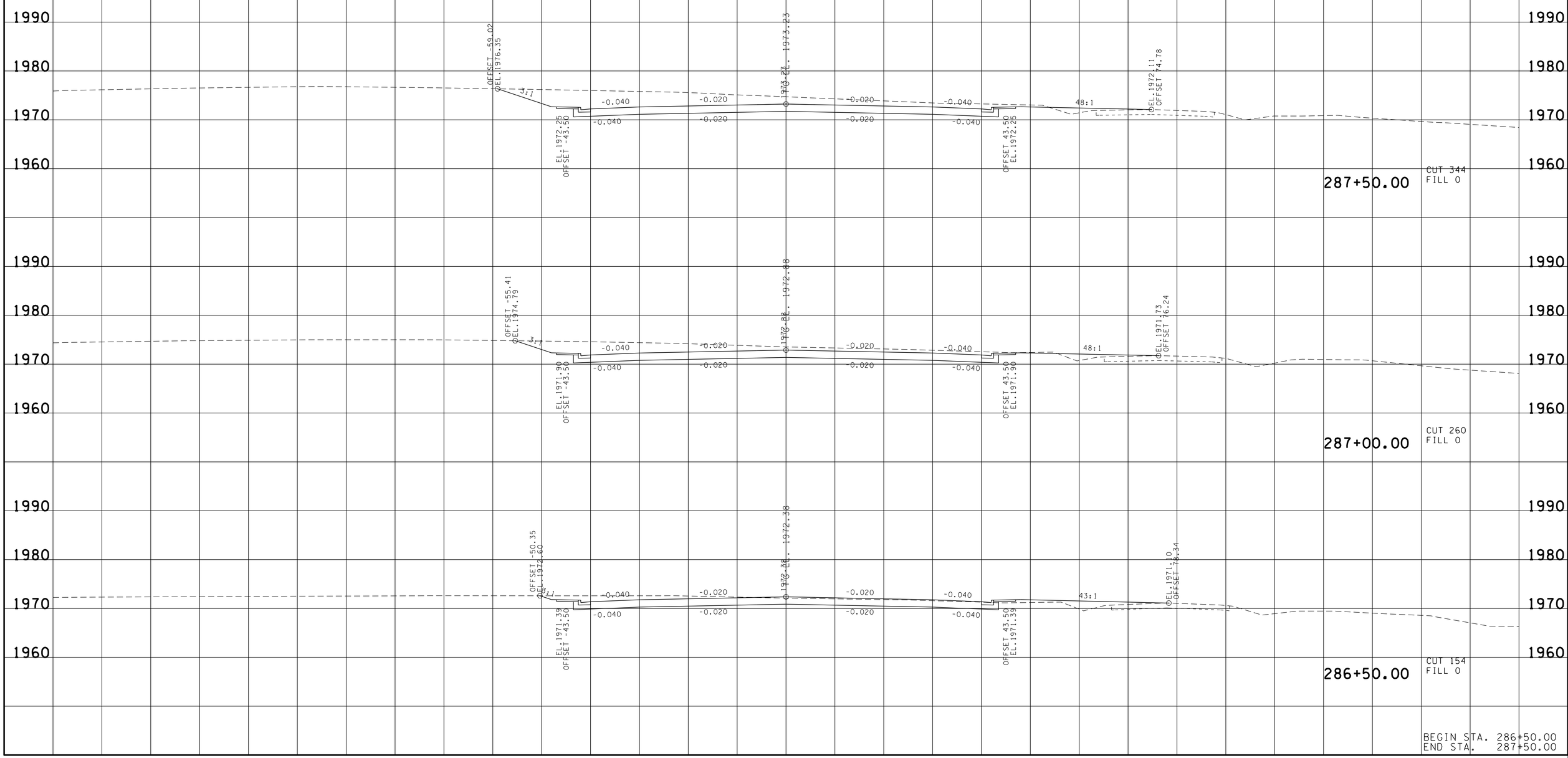
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	166

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 286+50.00
END STA. 287+50.00

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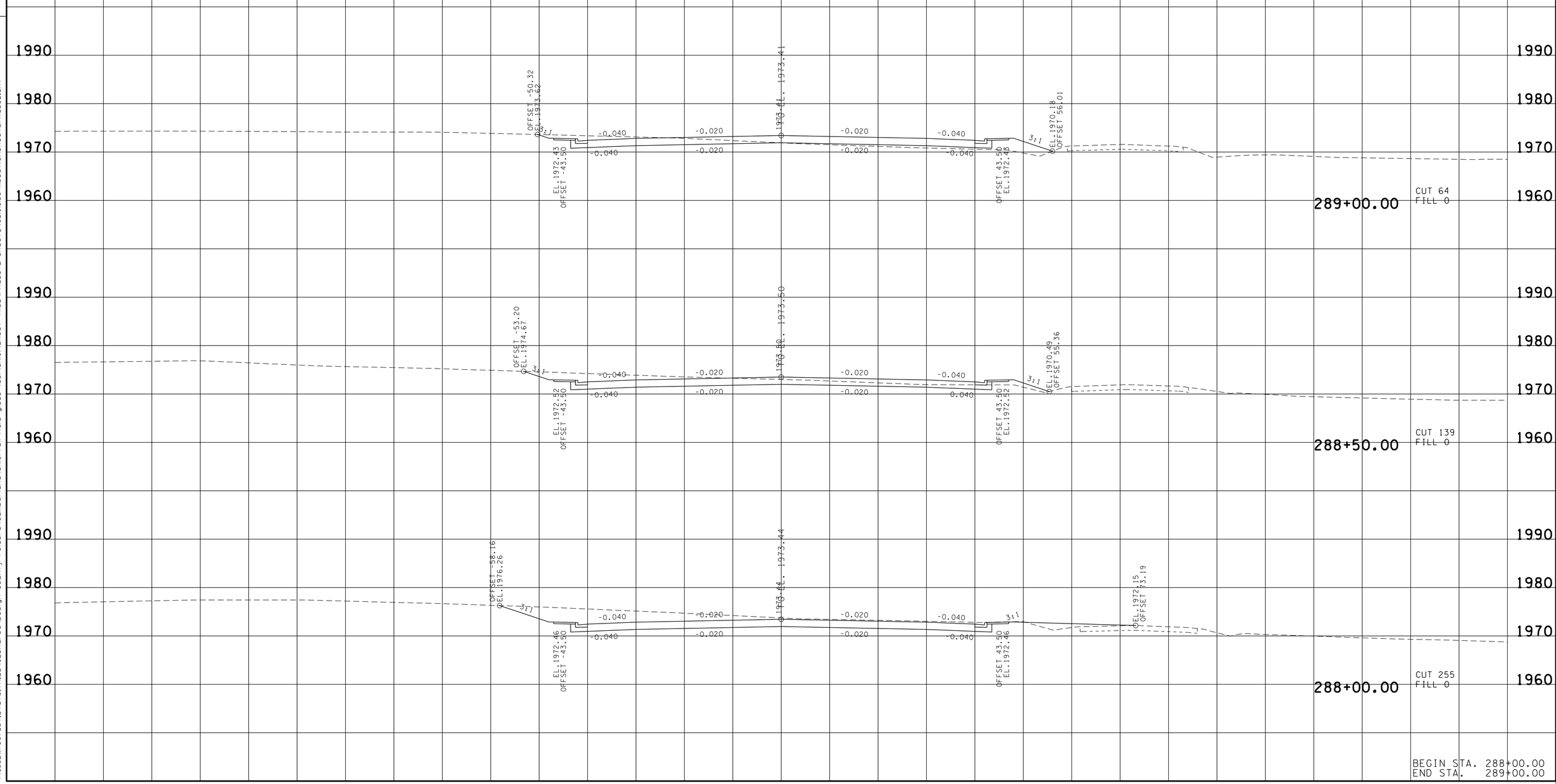
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	167

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



BEGIN STA. 288+00.00
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22-JUN-2016 14:42
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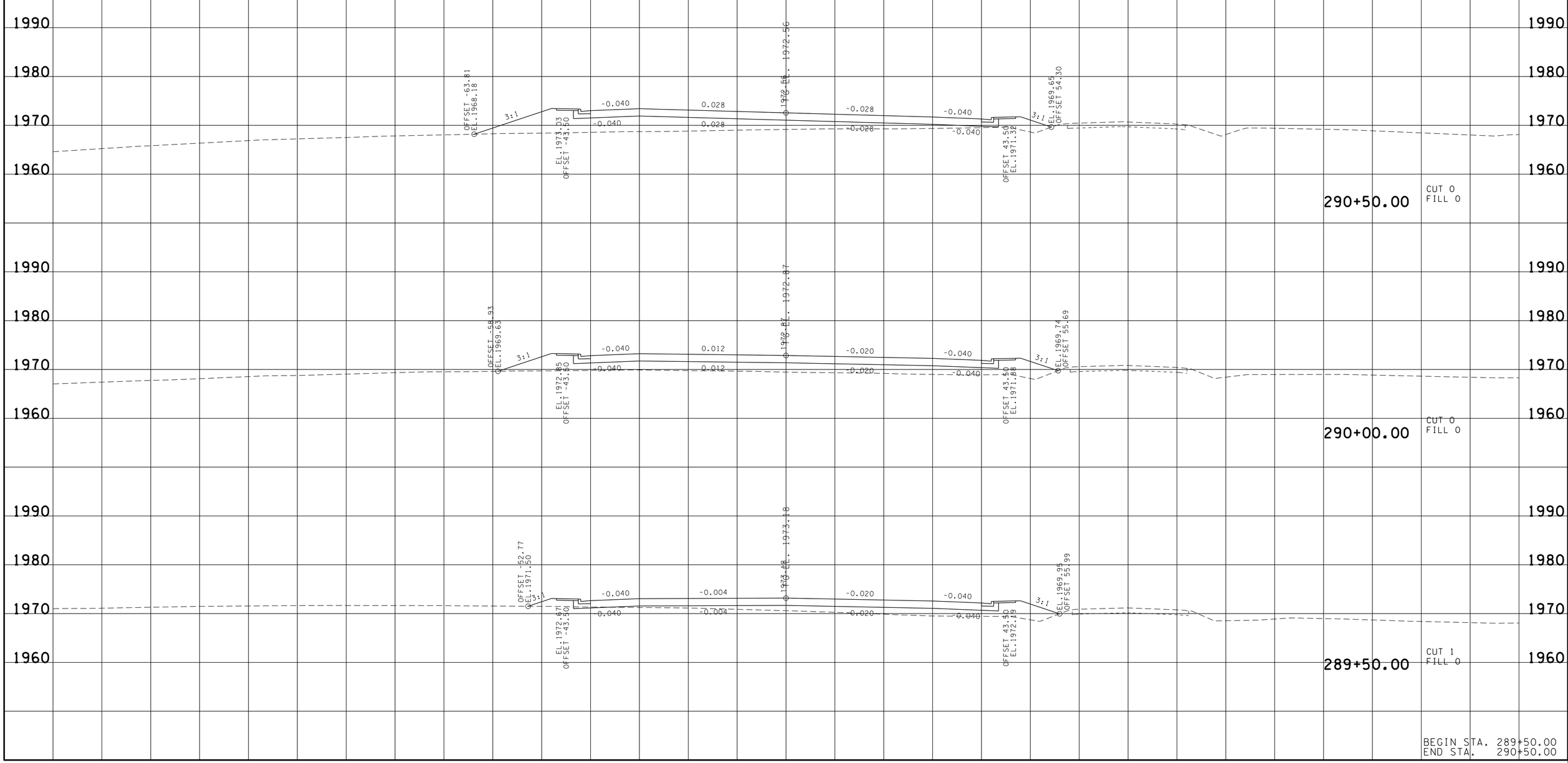
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	168

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 289+50.00
END STA. 290+50.00

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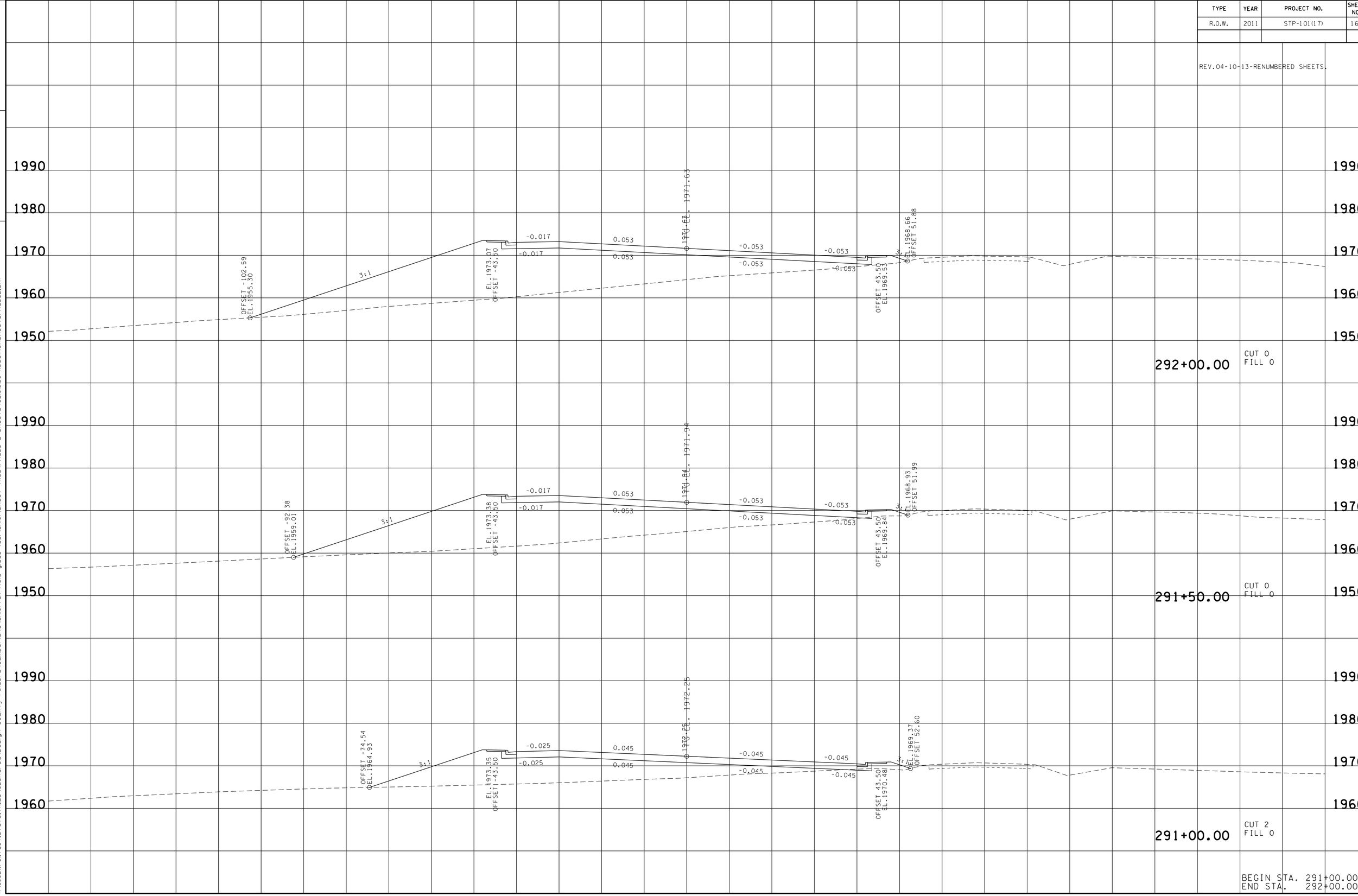
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	169

REV.04-10-13-RENUMBERED SHEETS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 291+00.00
END STA. 292+00.00

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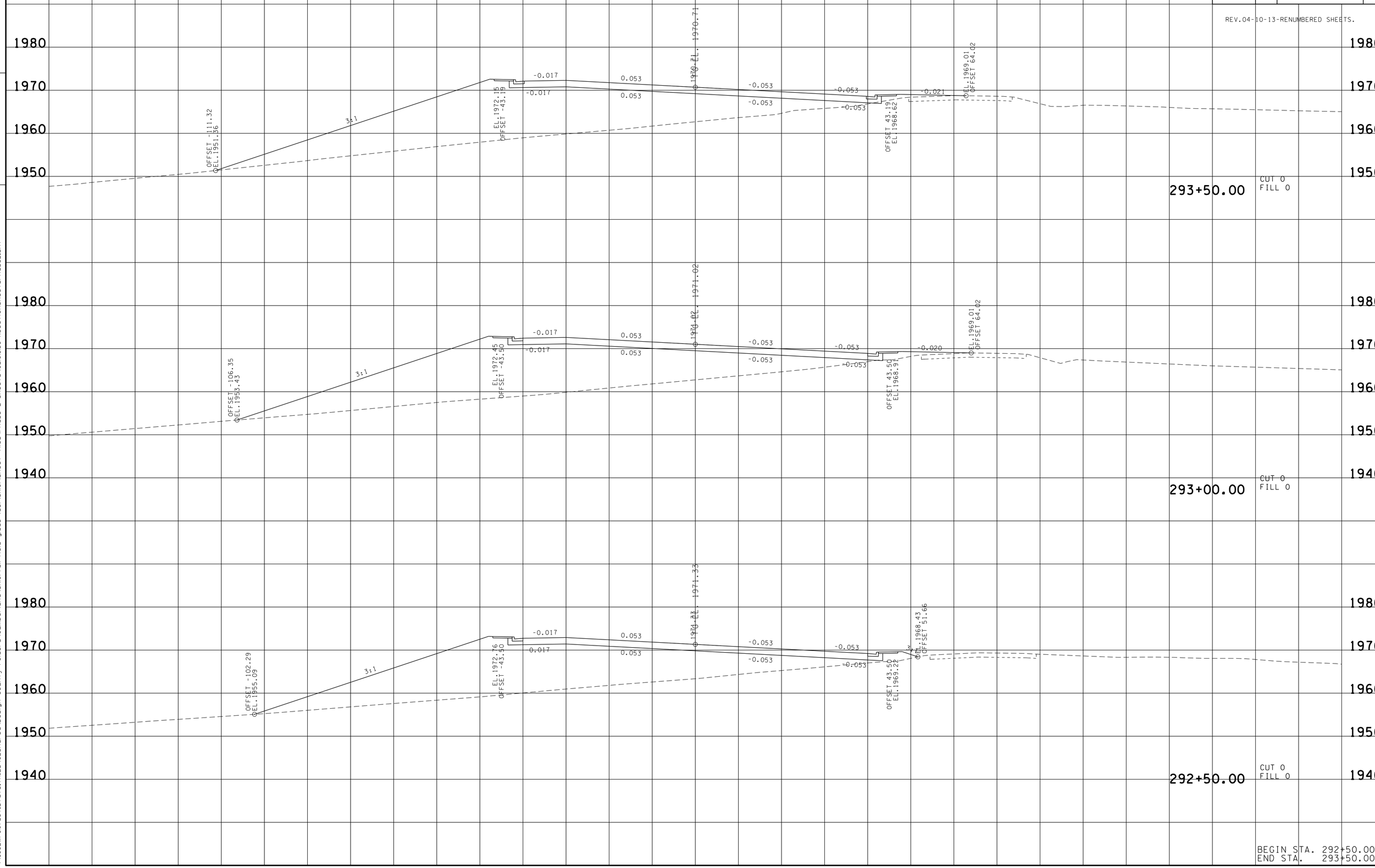
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	170

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 292+50.00
END STA. 293+50.00

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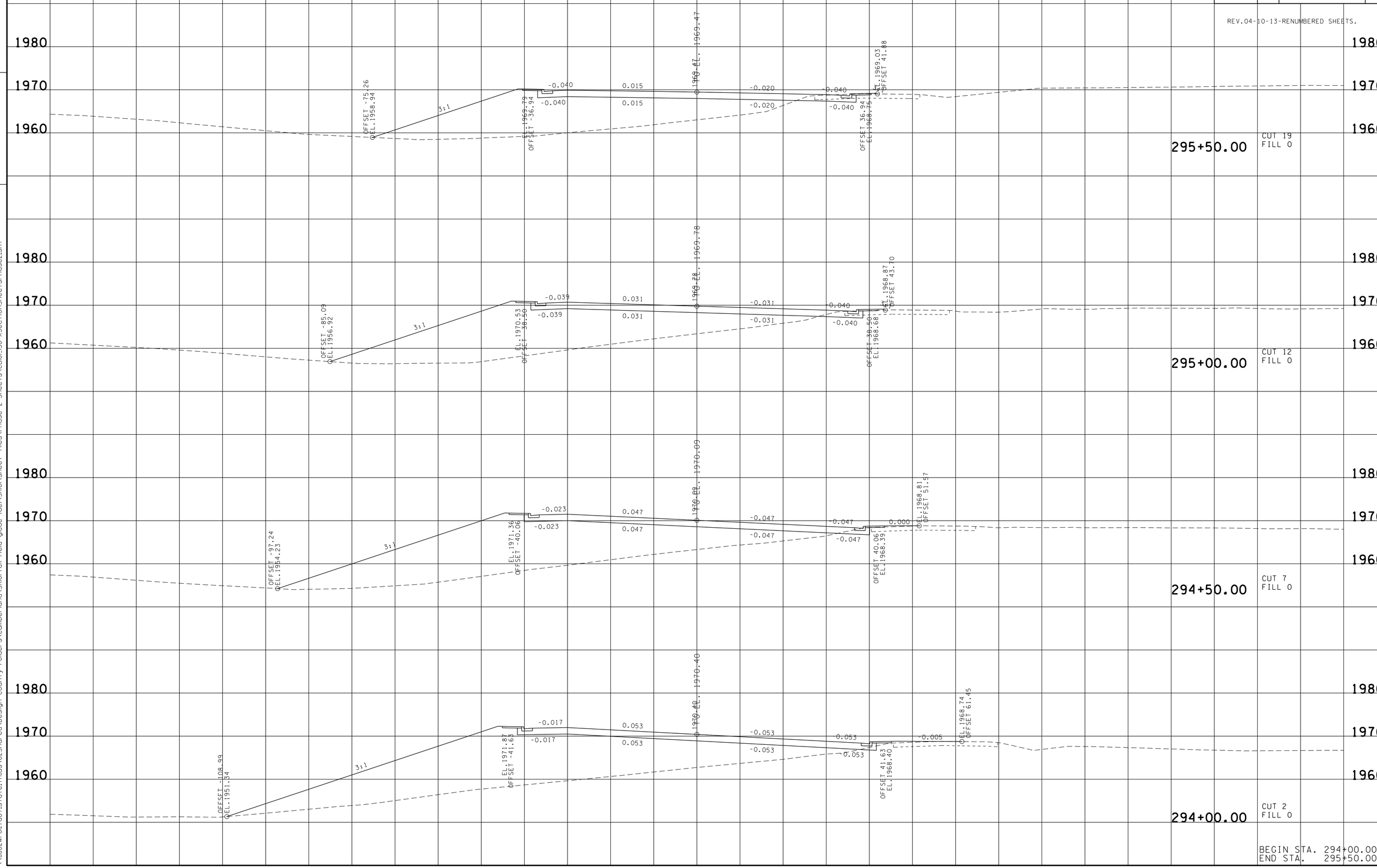
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	171

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 294+00.00
END STA. 295+50.00

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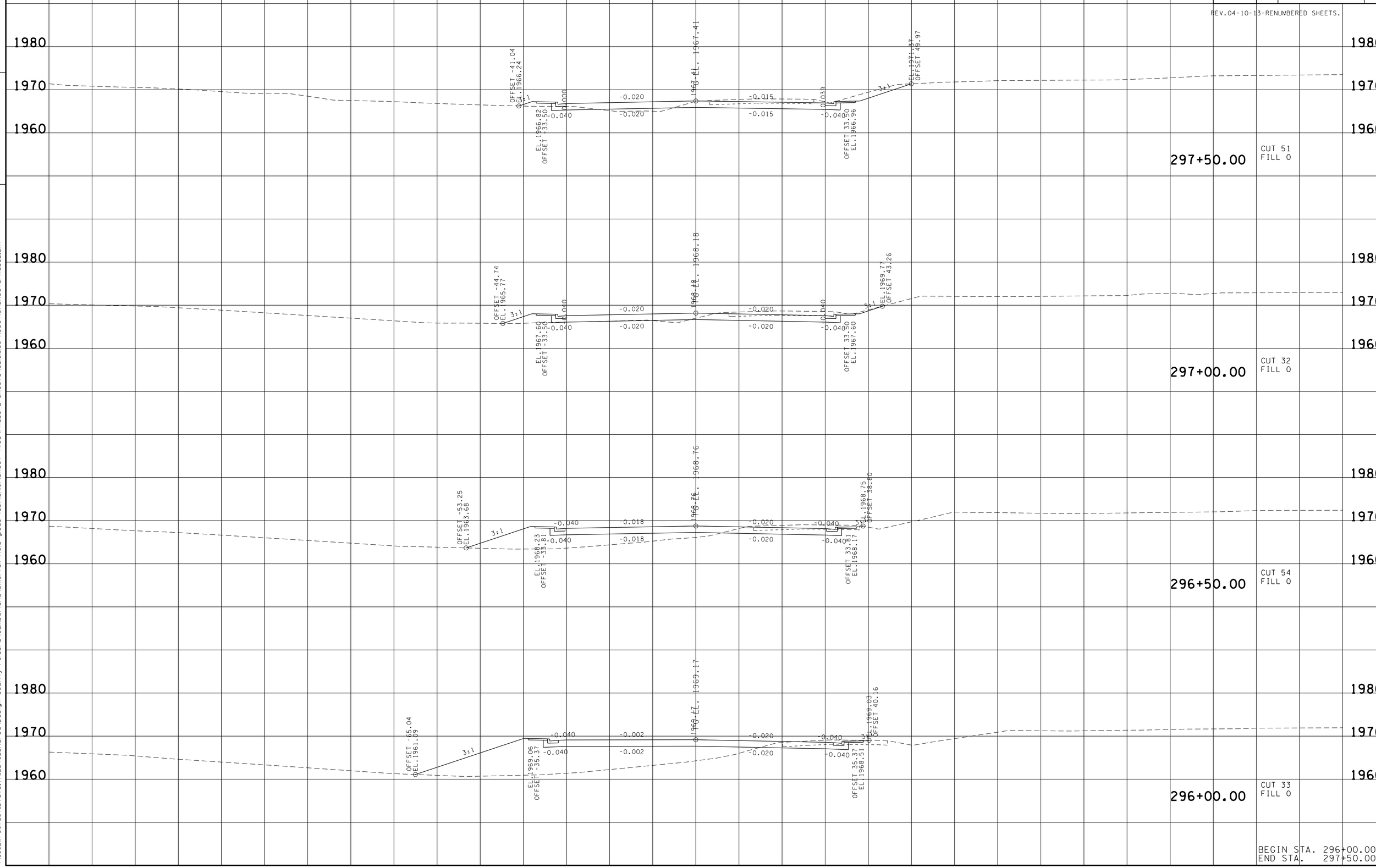
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	172

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 296+00.00
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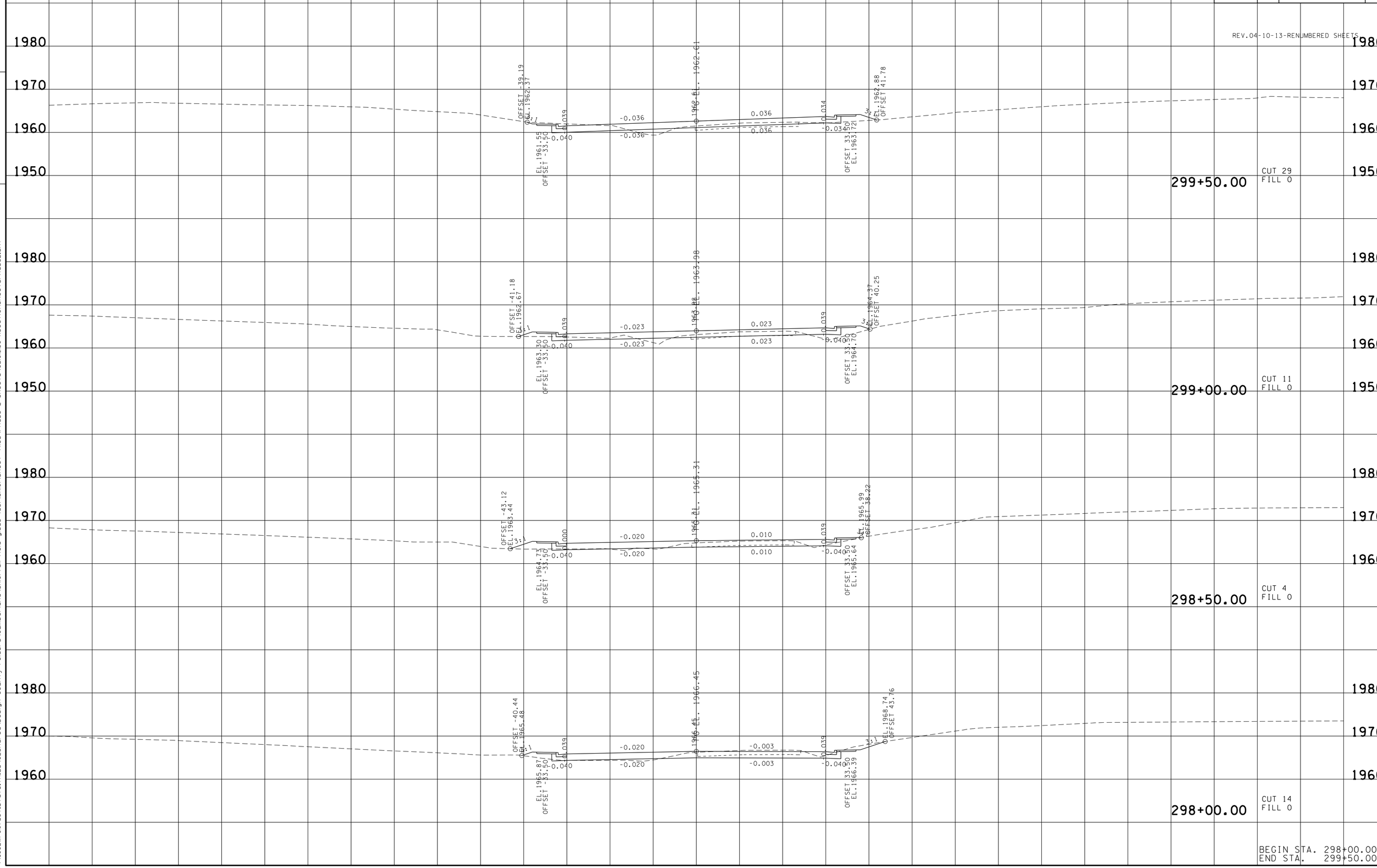
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	173

REV.04-10-13-RENUMBERED SHEETS



BEGIN STA. 298+00.00
END STA. 299+50.00

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

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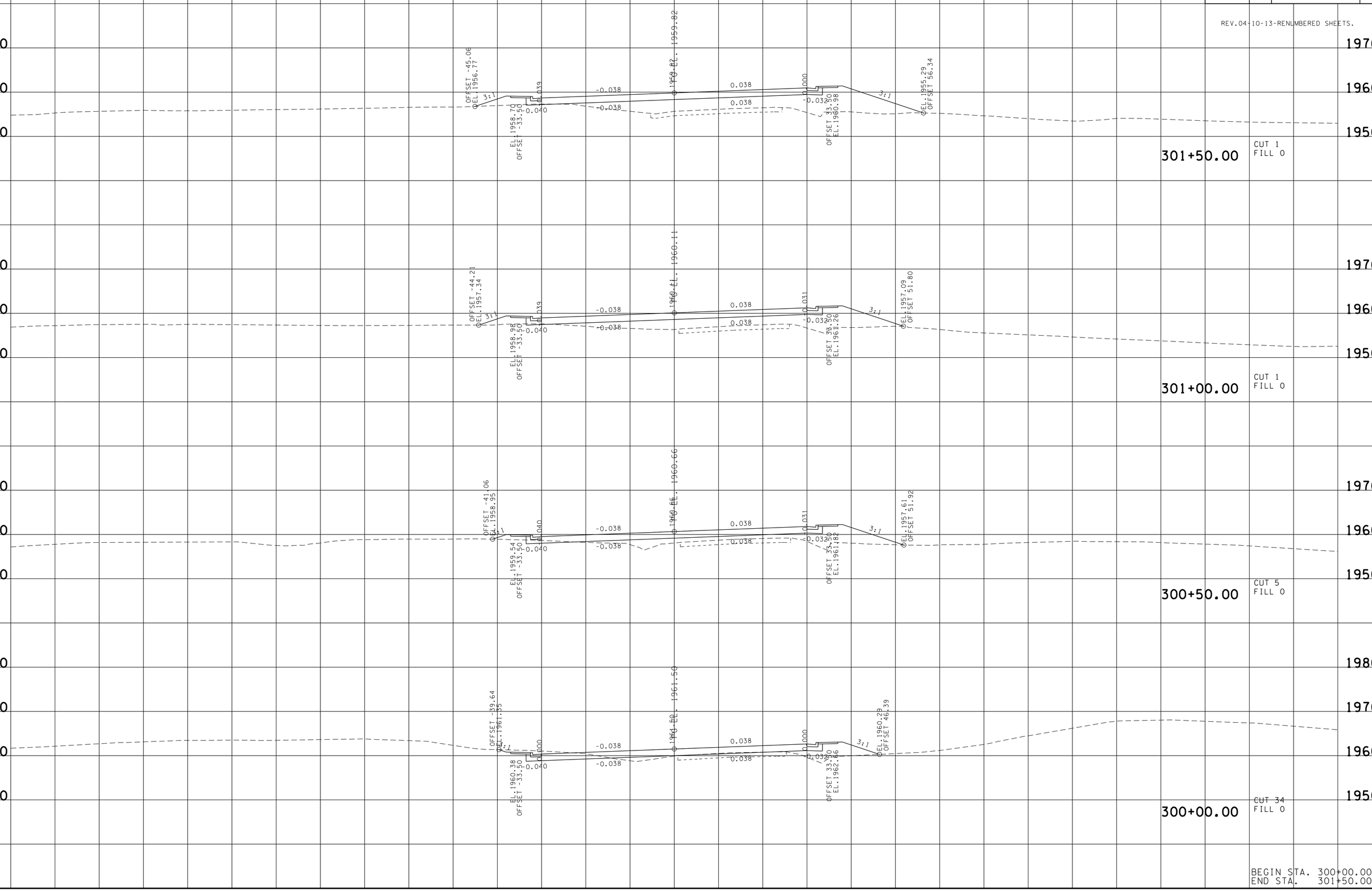
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	174

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 300+00.00
END STA. 301+50.00

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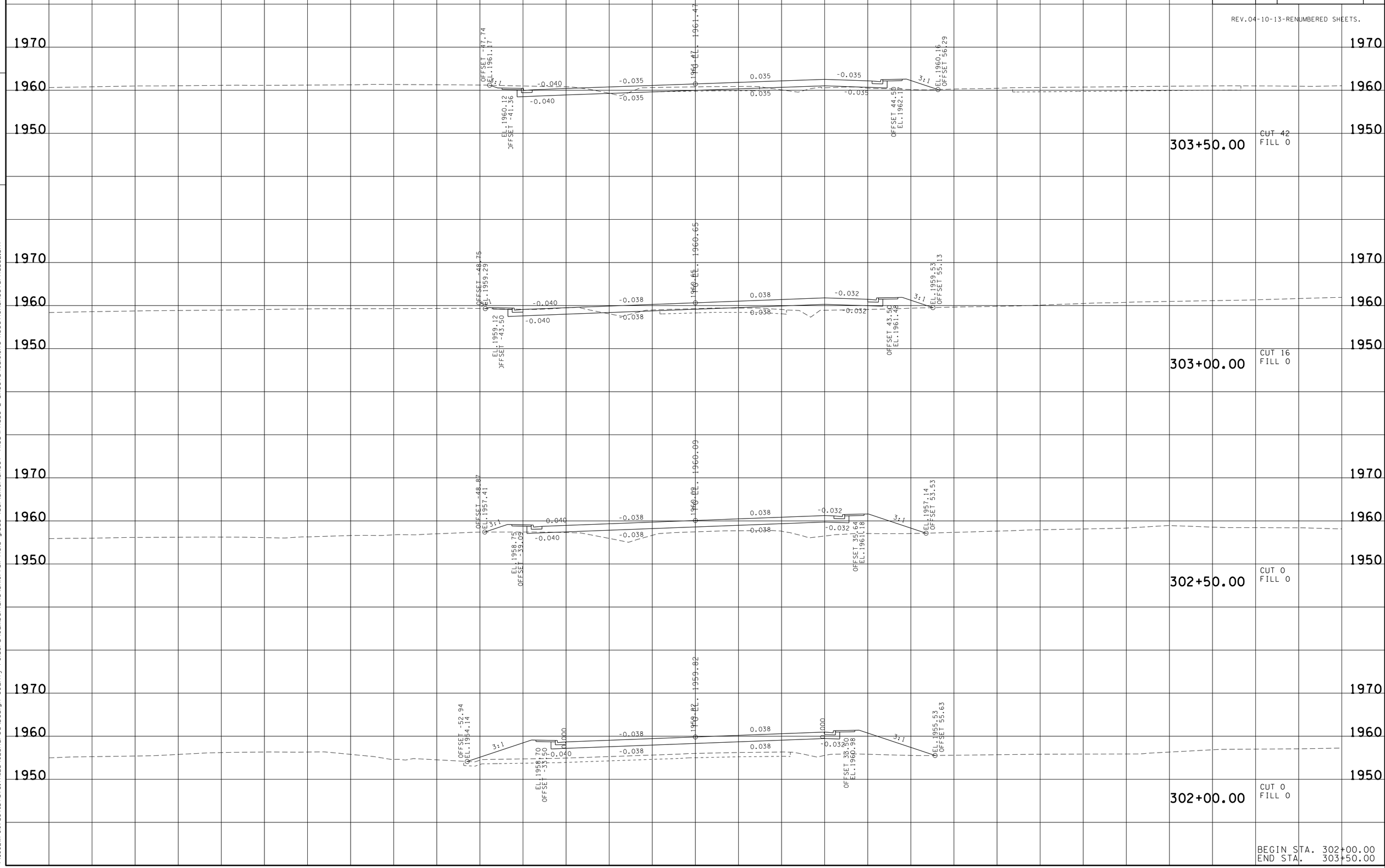
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	175

REV.04-10-13-RENUMBERED SHEETS.

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



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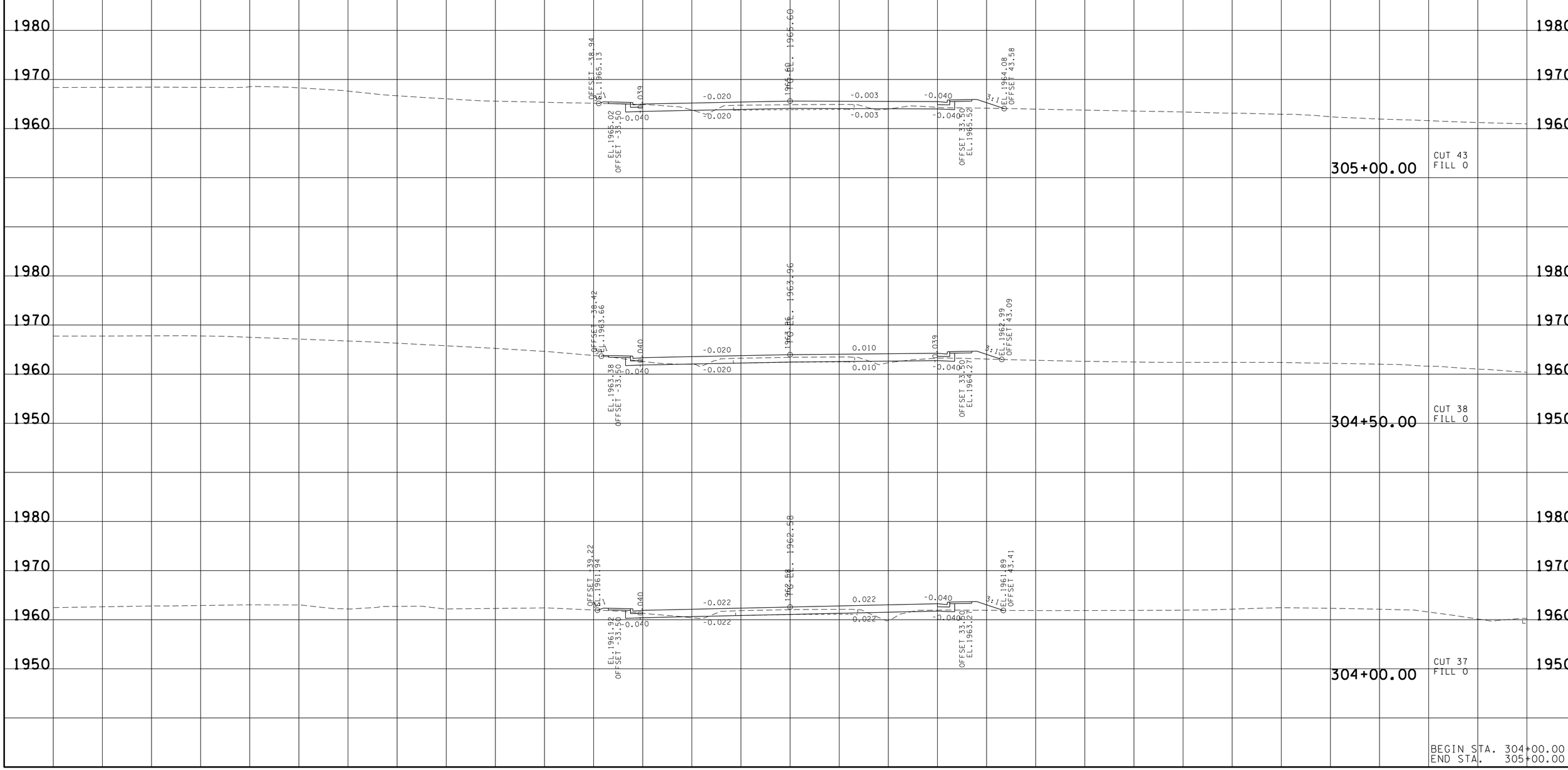
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	176

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 304+00.00
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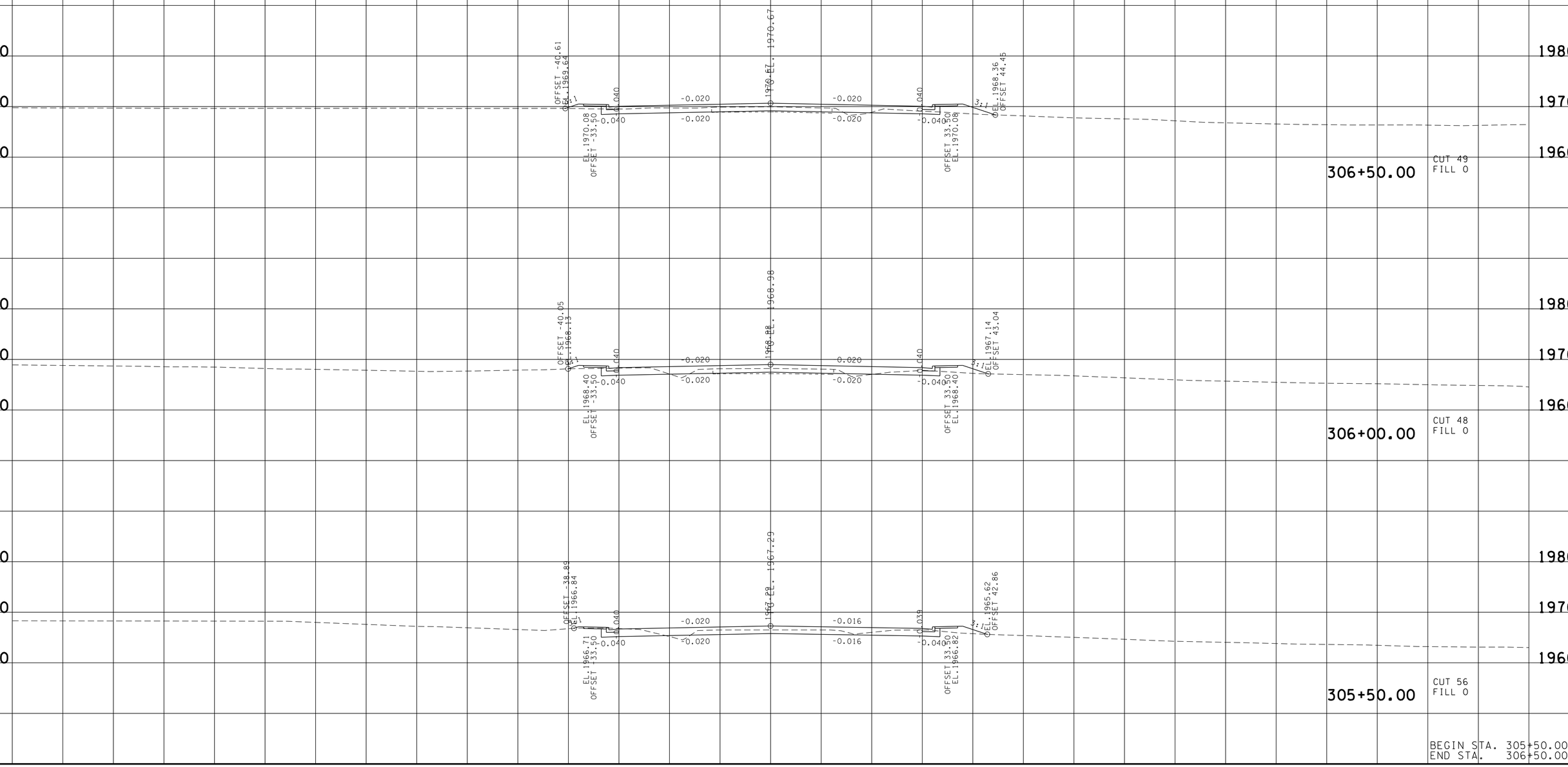
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	177

REV.04-10-13-RENUMBERED SHEETS.



BEGIN STA. 305+50.00
END STA. 306+50.00

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

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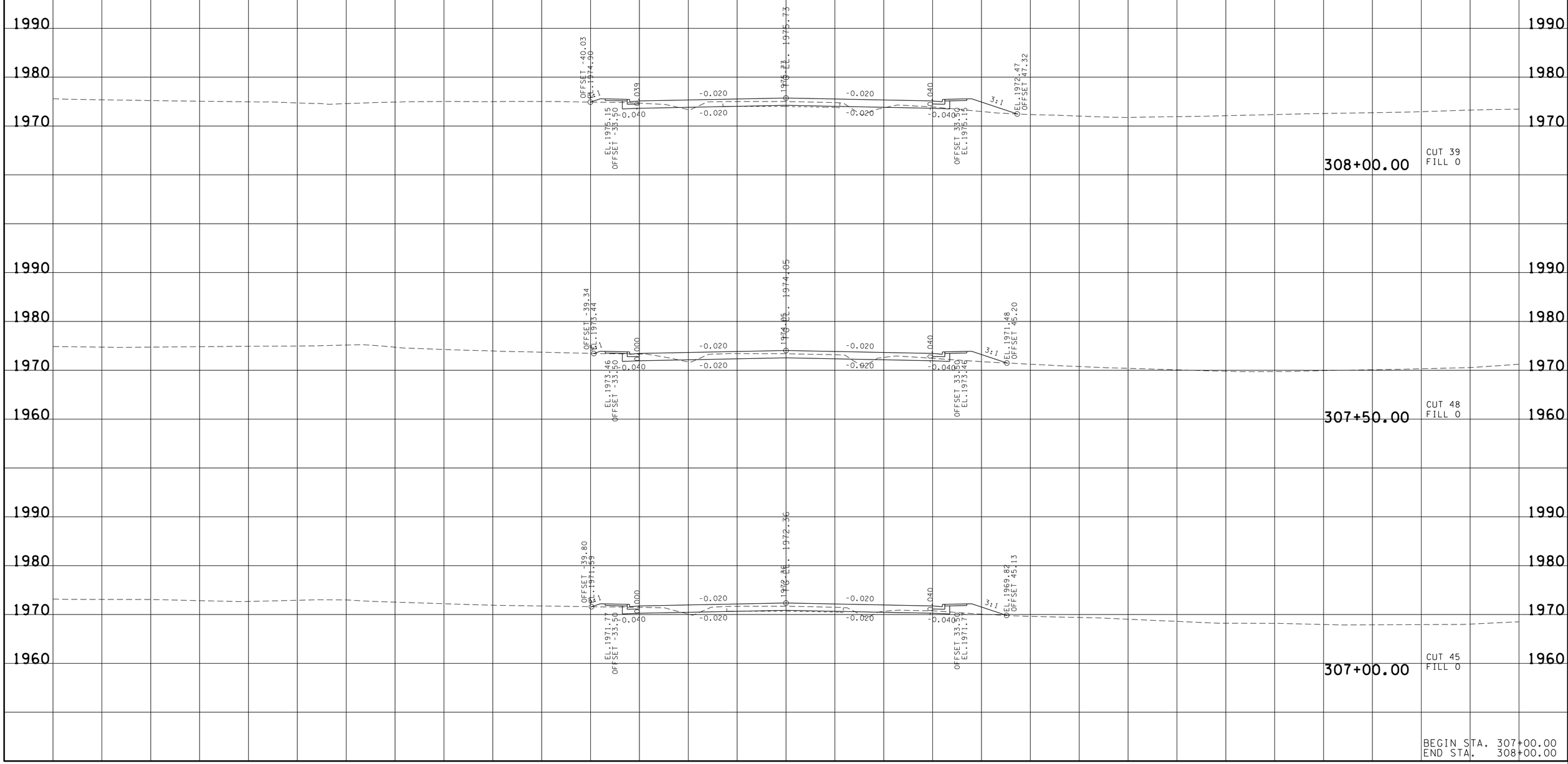
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	178

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 307+00.00
END STA. 308+00.00

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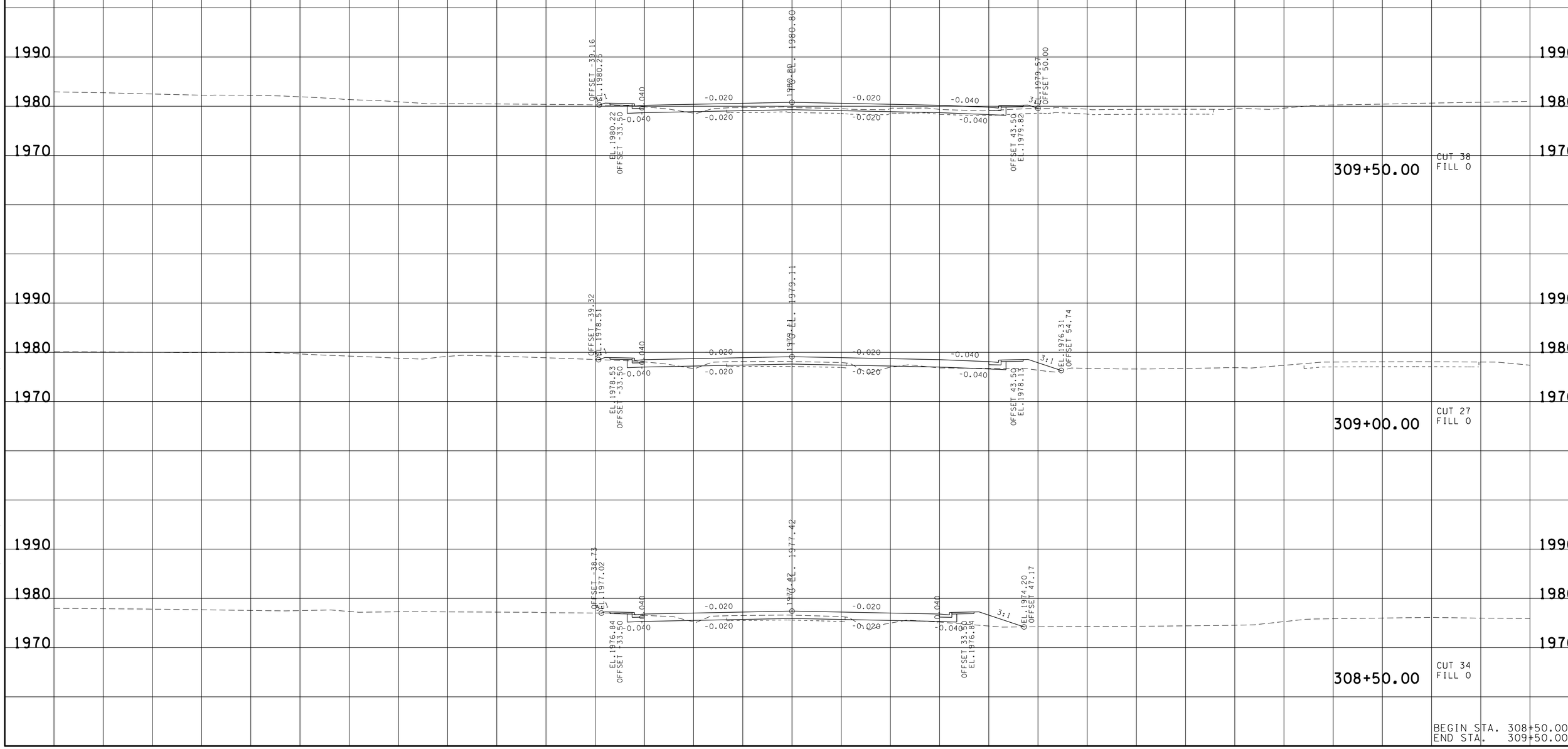
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	179

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



BEGIN STA. 308+50.00
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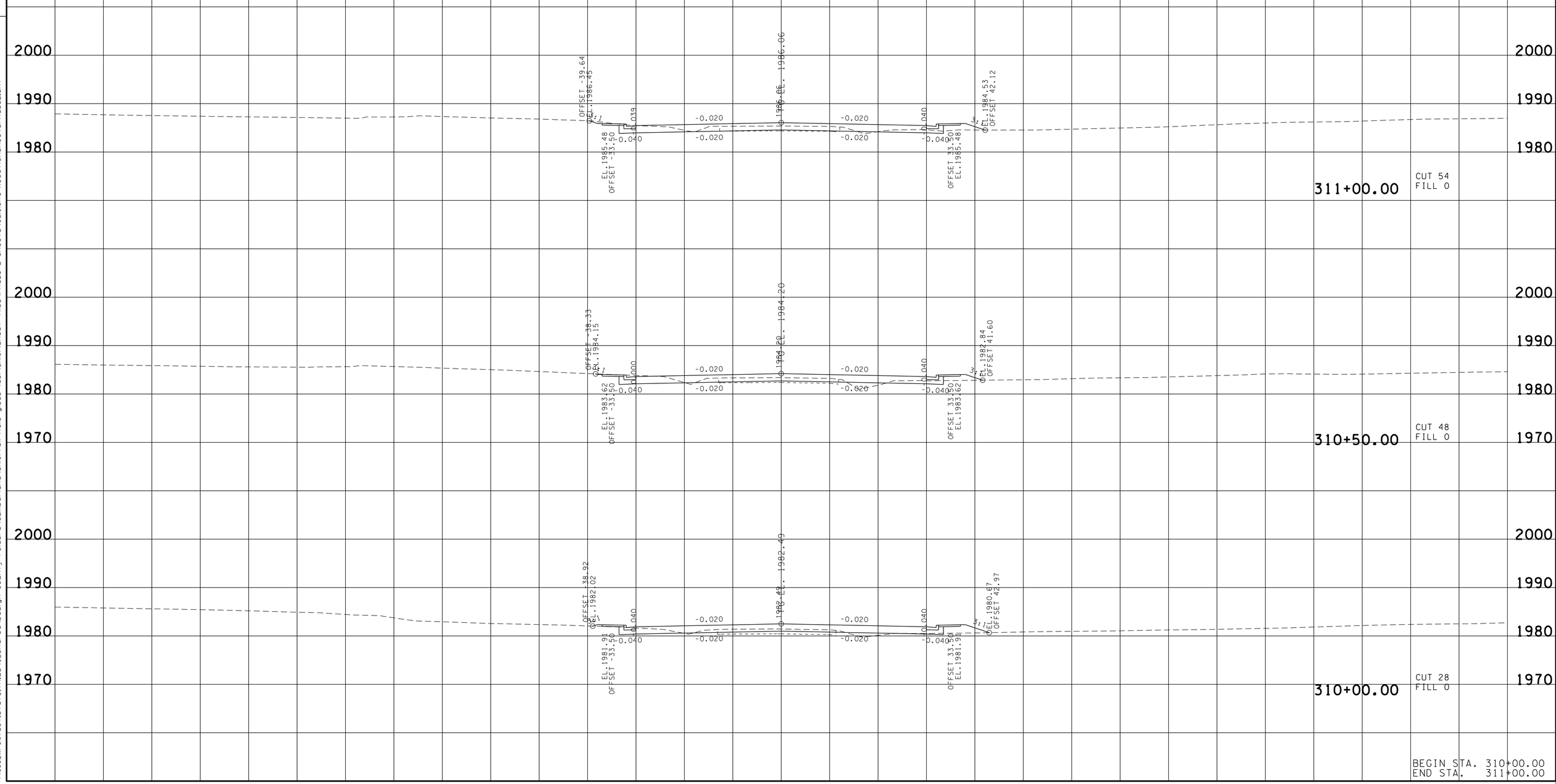
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	180

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



BEGIN STA. 310+00.00
END STA. 311+00.00

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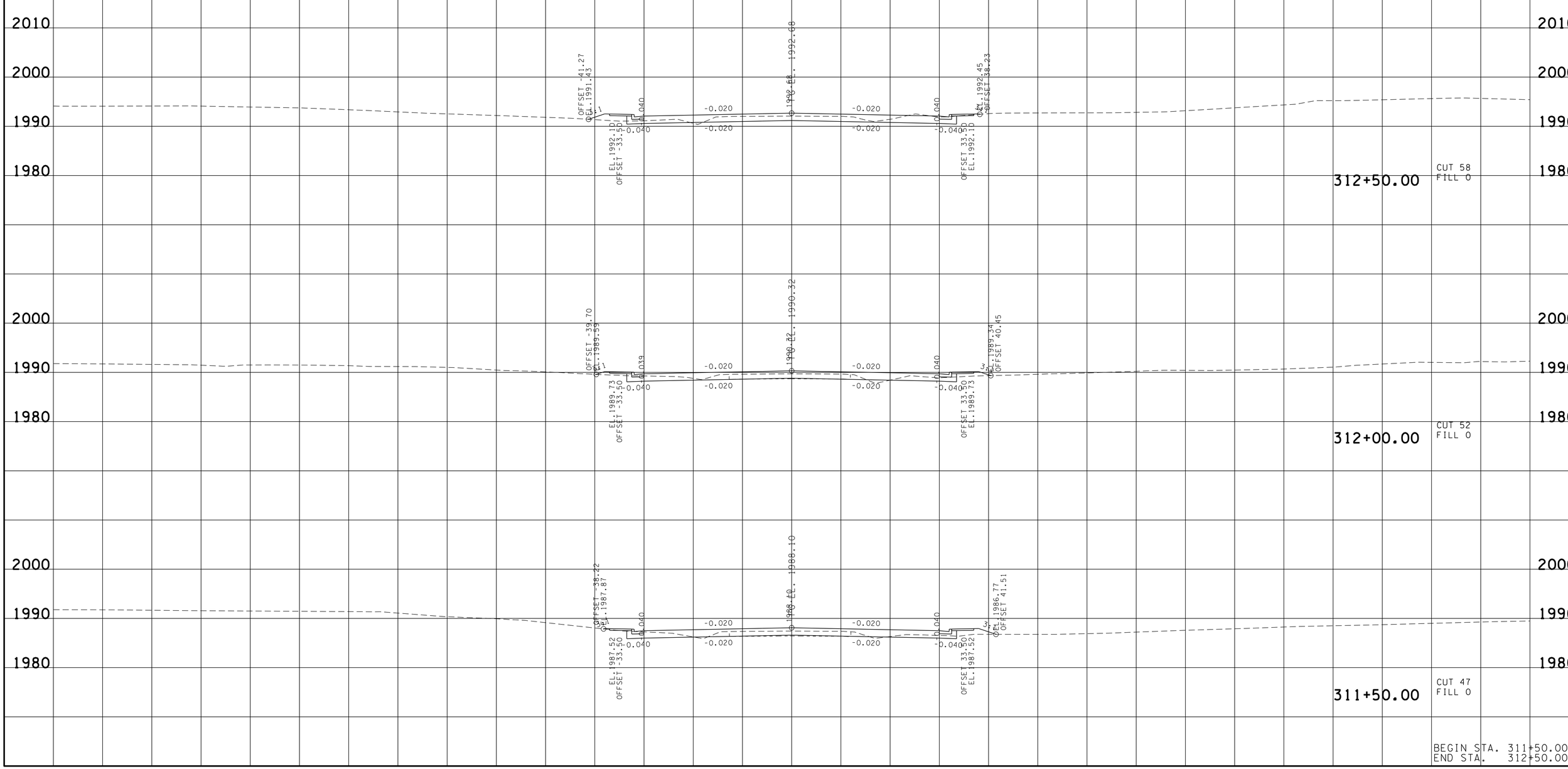
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	181

REV.04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



BEGIN STA. 311+50.00
END STA. 312+50.00

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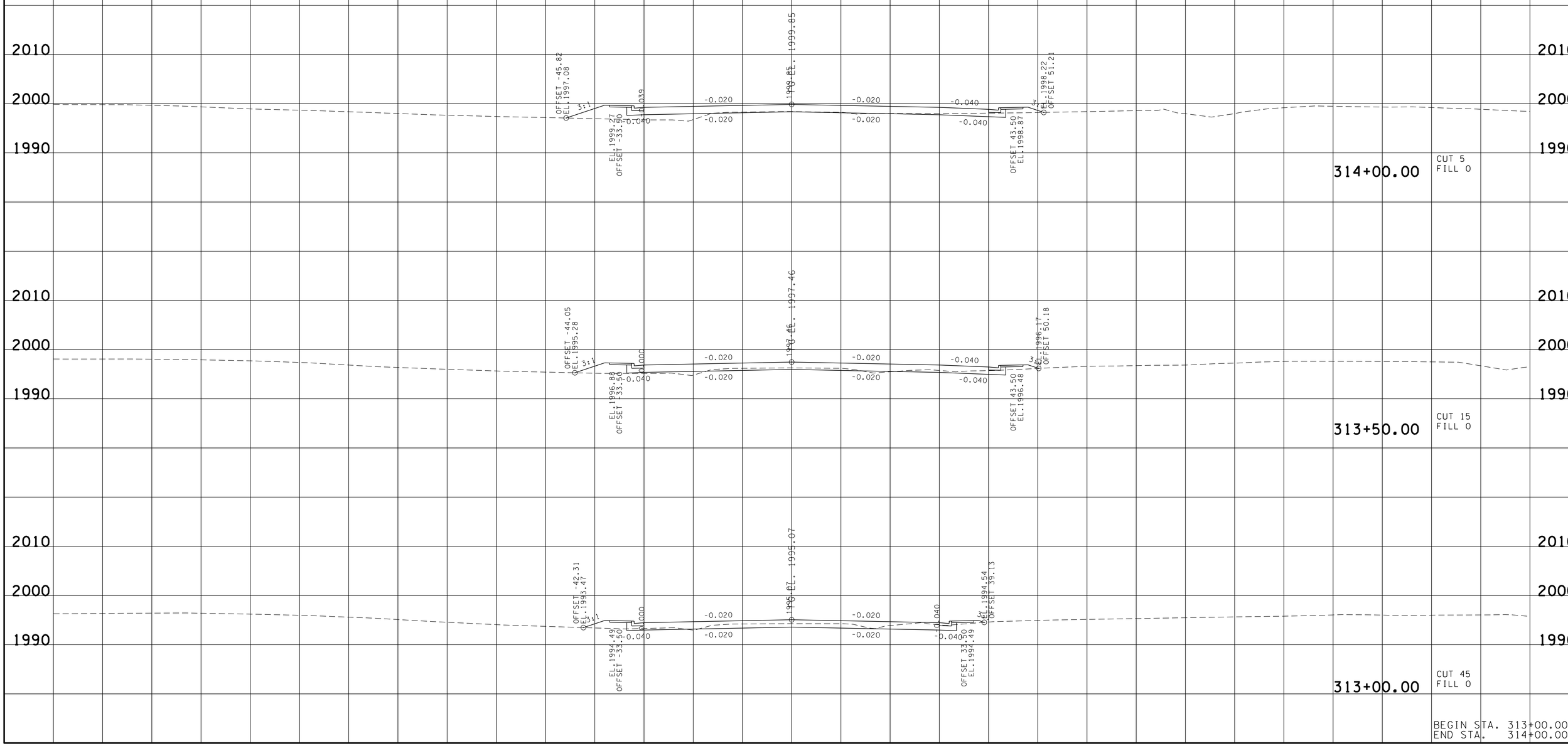
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	182

REV.04-10-13-RENUMBERED SHEETS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 313+00.00
END STA. 314+00.00

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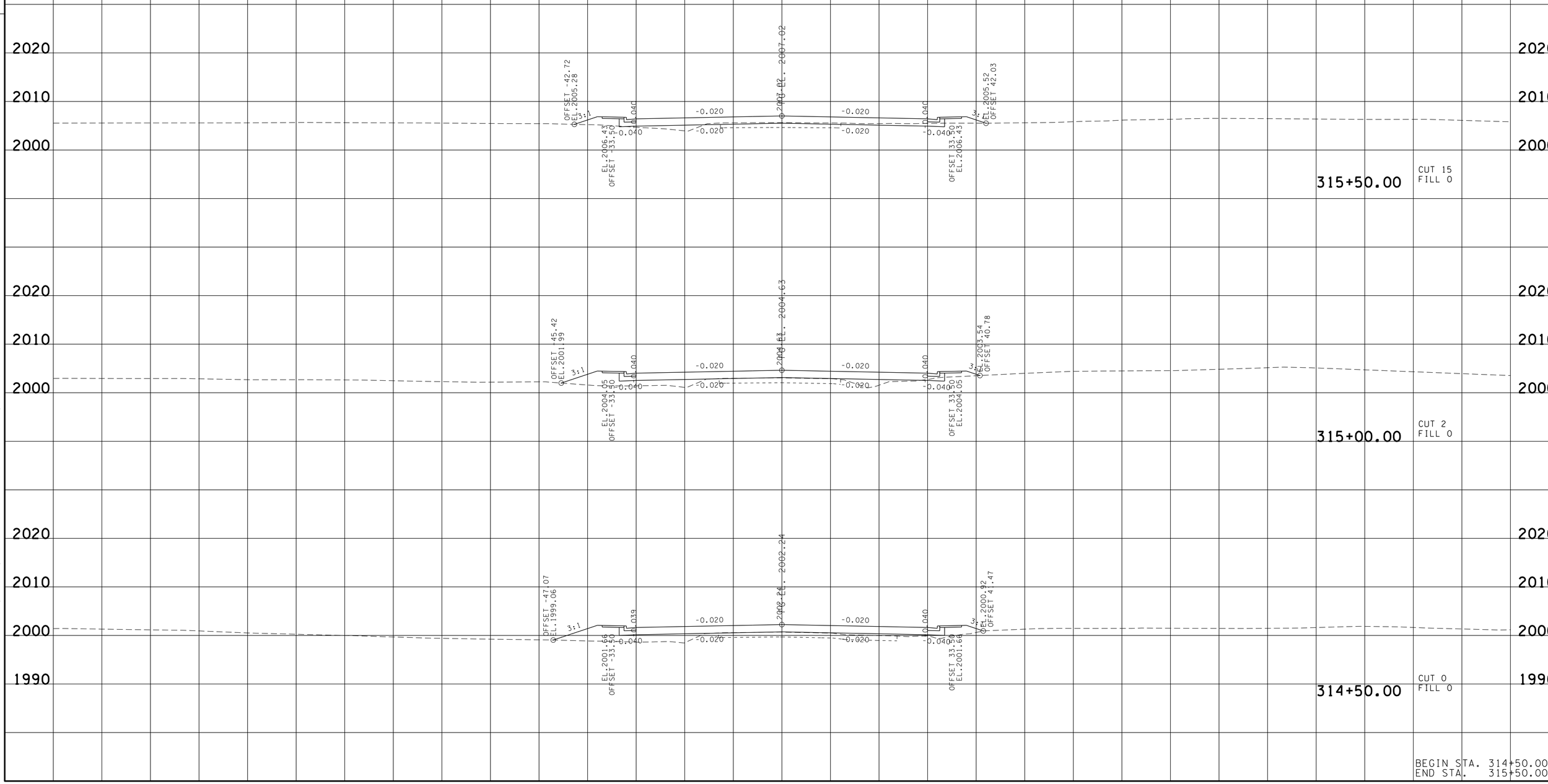
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	183

REV.04-10-13-RENUMBERED SHEETS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 314+50.00
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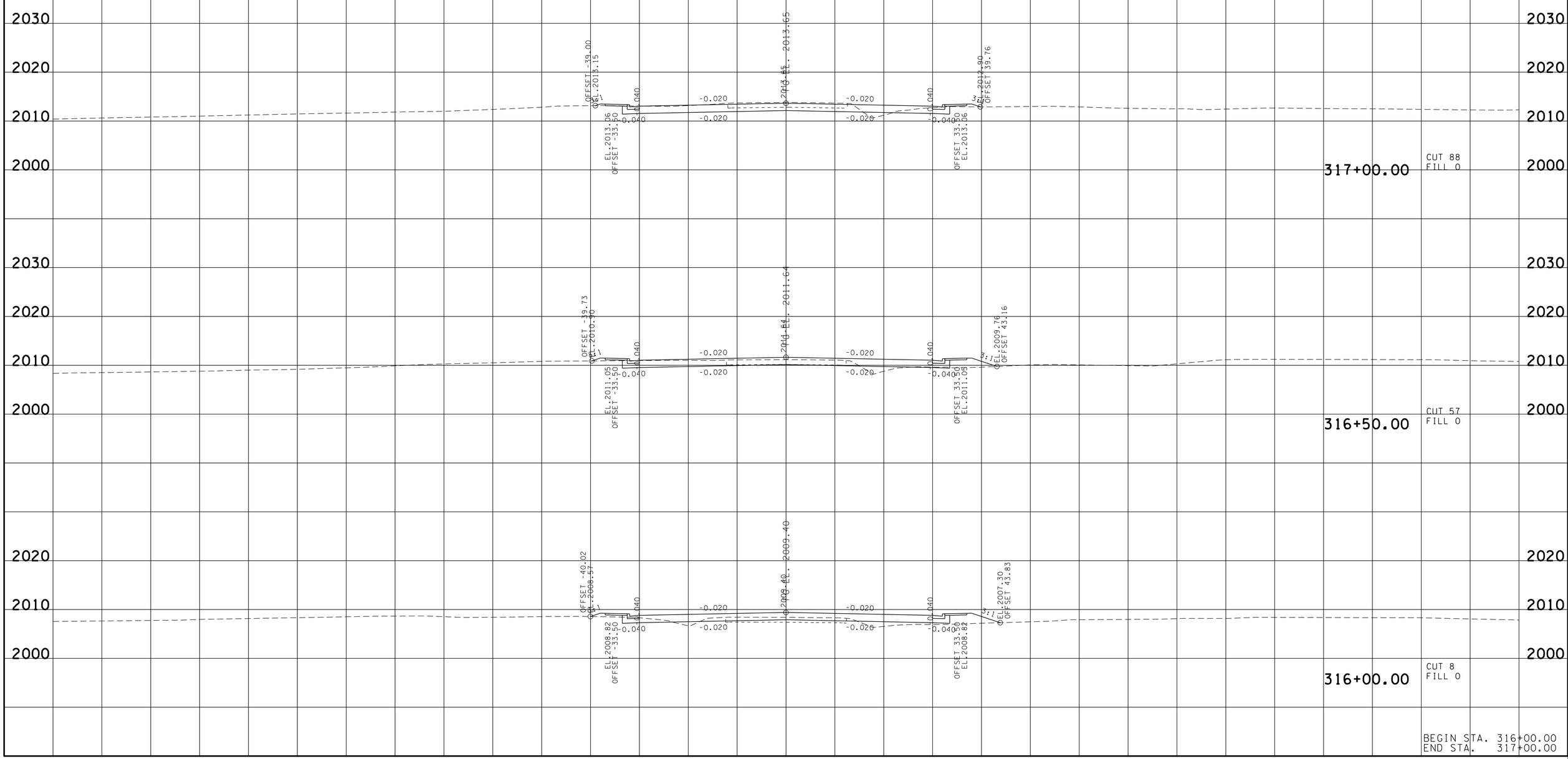
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	184

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 316+00.00
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22-JUN-2016 14:48
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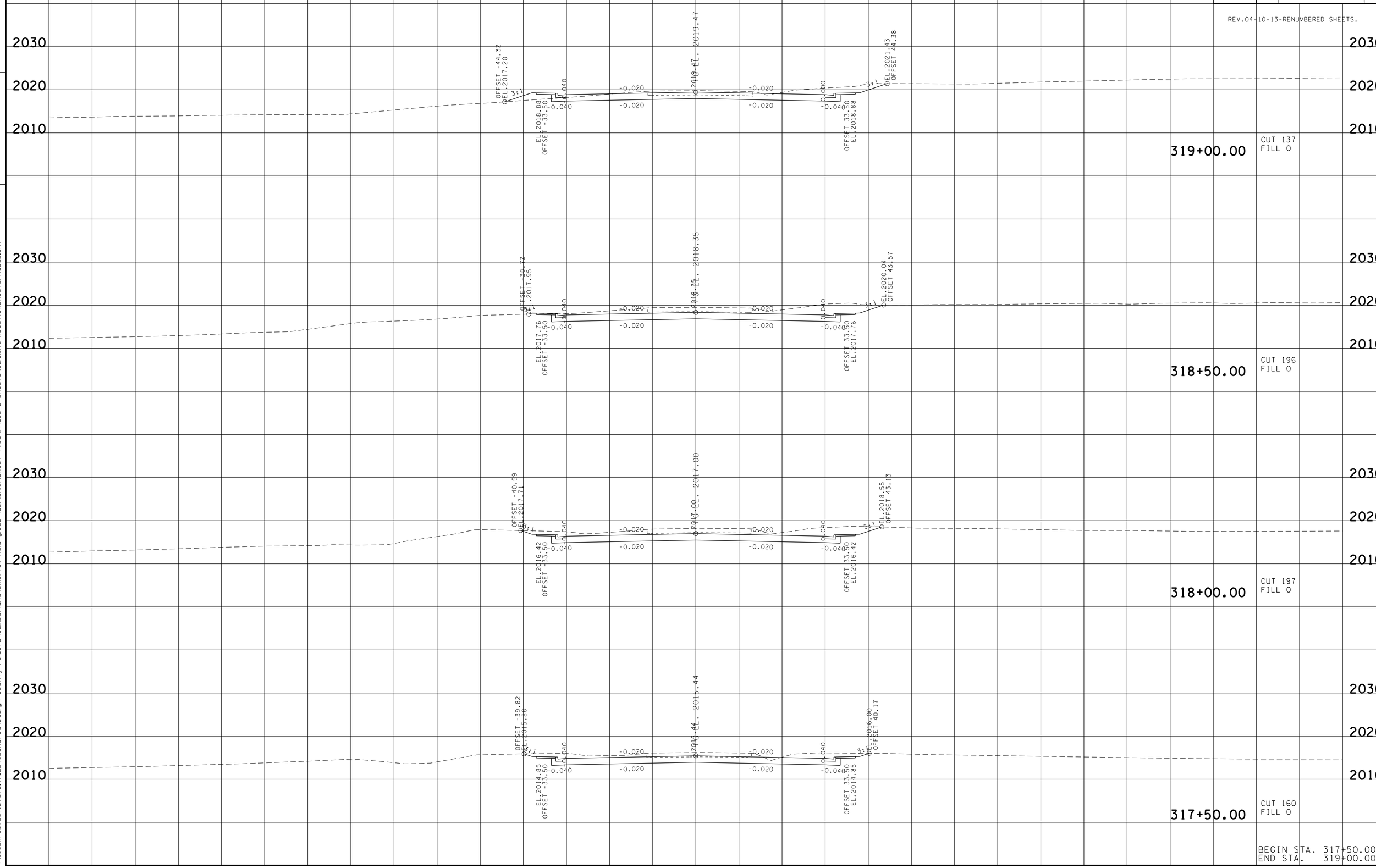
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	185

REV.04-10-13-RENUMBERED SHEETS.

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



BEGIN STA. 317+50.00
END STA. 319+00.00

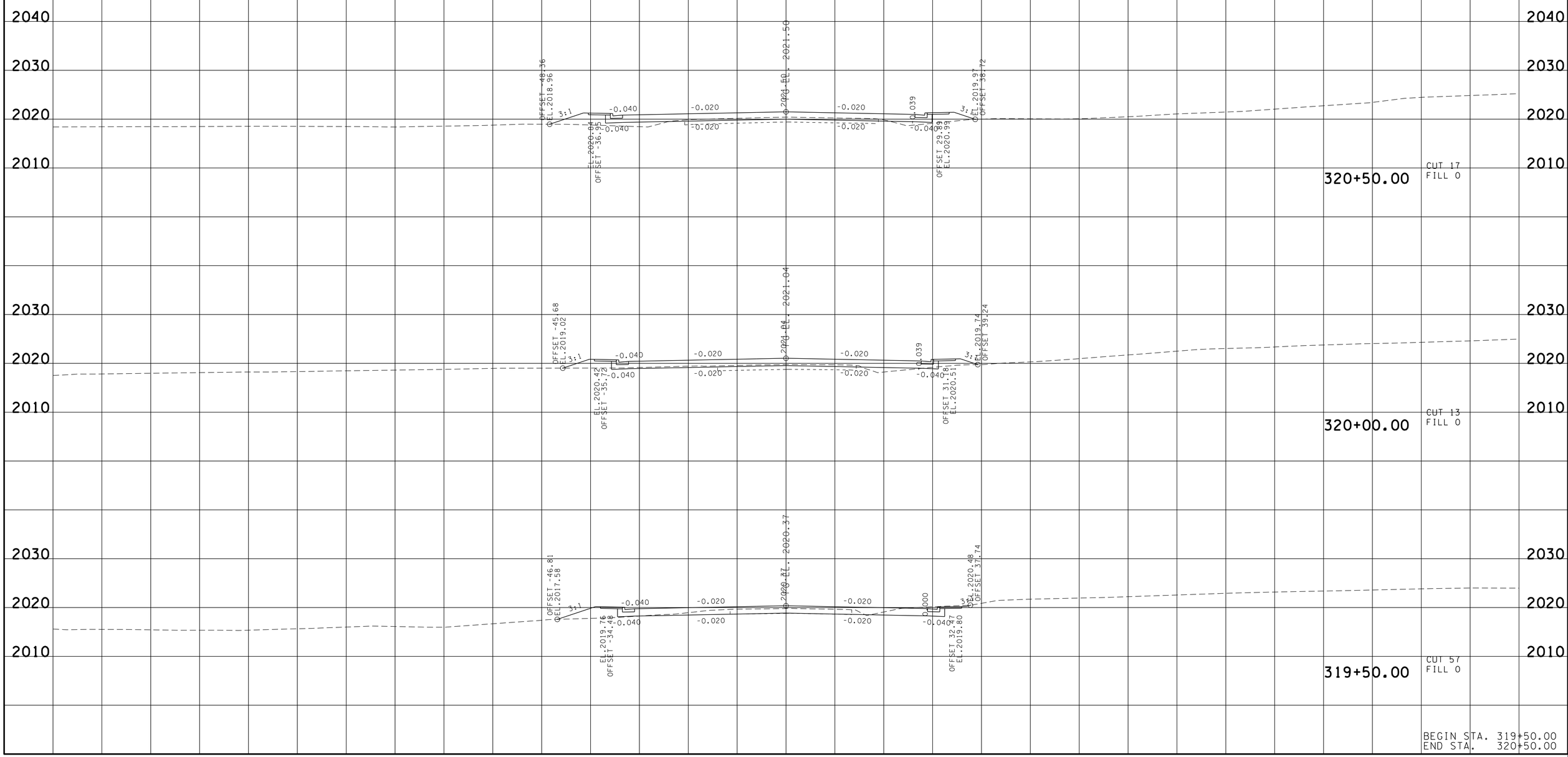
22-JUN-2016 14:48
\\JJ02WF01.tdot.state.tn.us\02Shared\Design County Folders\Cumberland\SR101 fairfield glade (de)\SR101\sheet files\Phase 2 Sheets\CU101_I75-XSectionSheetsPhase2.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	186

REV.04-10-13-RENUMBERED SHEETS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 319+50.00
END STA. 320+50.00

22-JUN-2016 14:49
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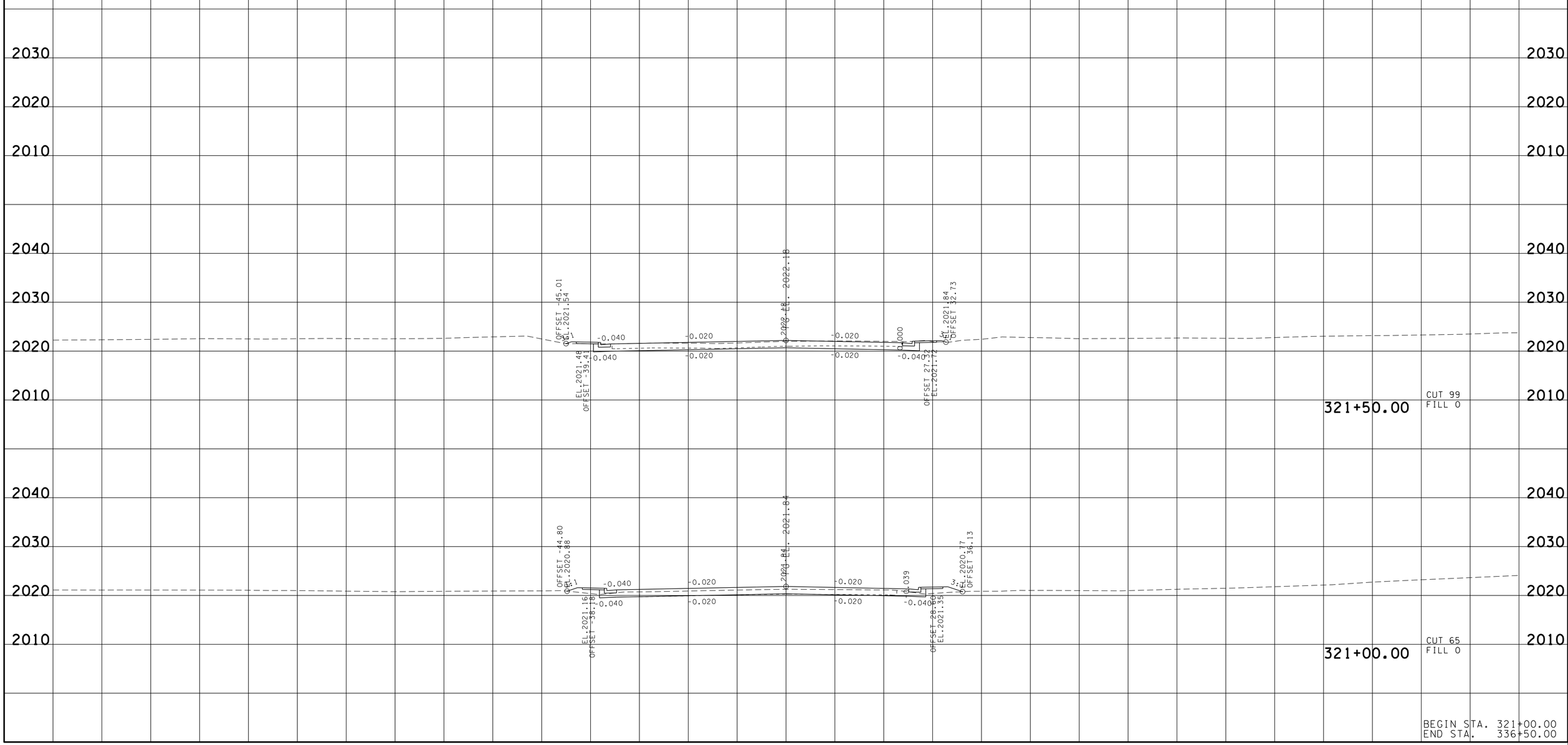
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	187

REV.04-10-13-RENUMBERED SHEETS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



BEGIN STA. 321+00.00
END STA. 336+50.00

22-JUN-2016 14:49
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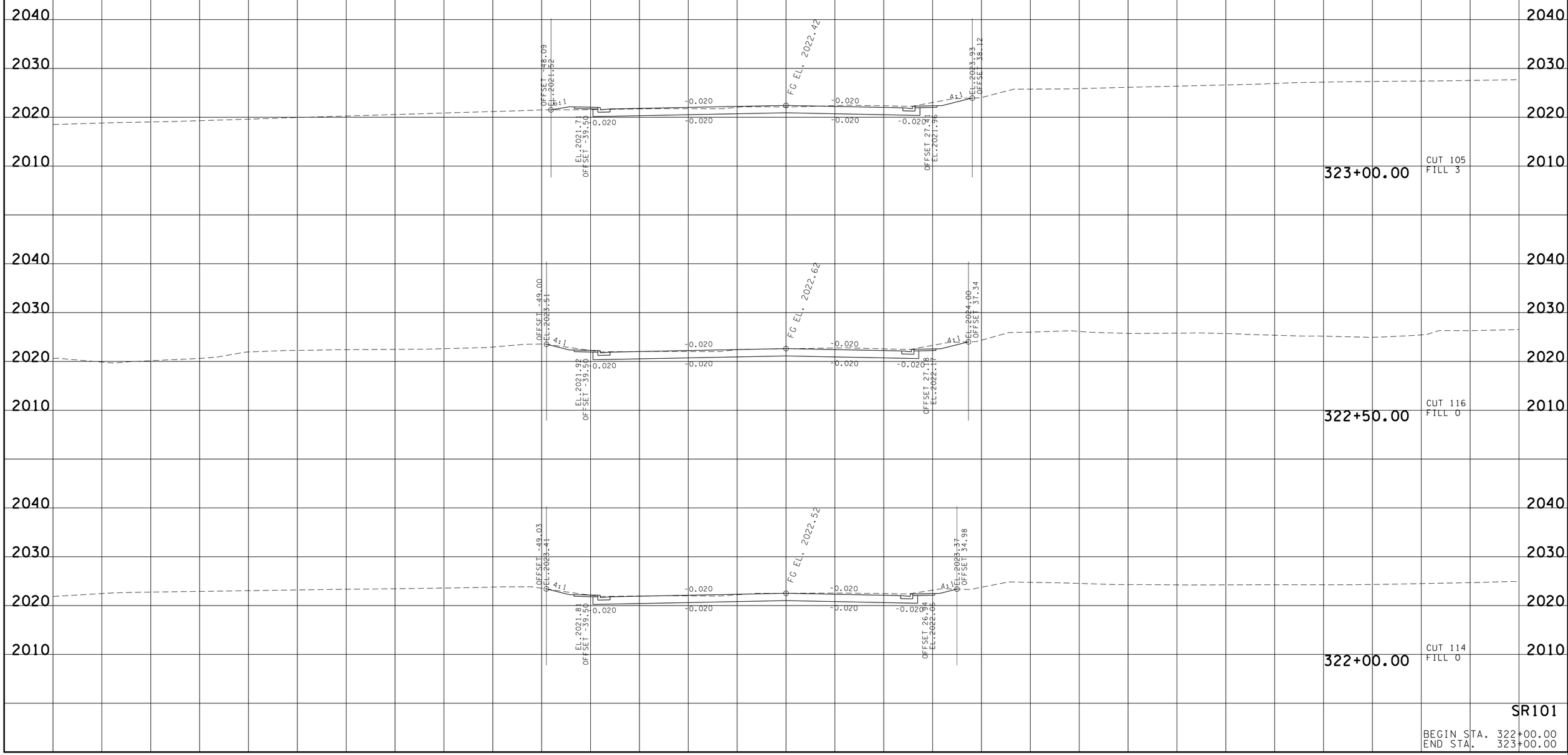
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	188

REV.04-10-13-ADDED SHEET.



SR101

BEGIN STA. 322+00.00
END STA. 323+00.00

22-JUN-2016 14:49
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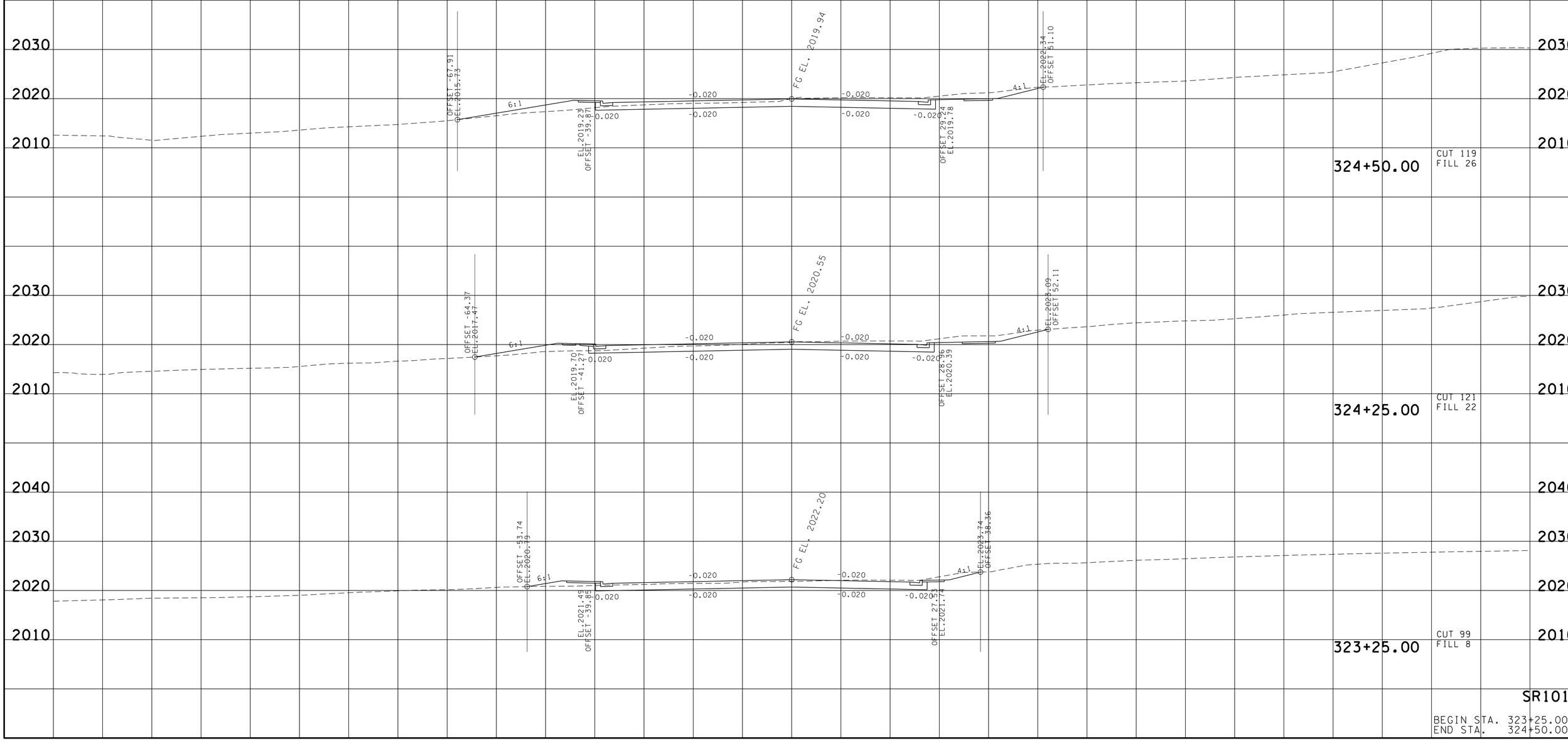
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	189

REV.04-10-13-ADDED SHEET.



SR101

BEGIN STA. 323+25.00
END STA. 324+50.00

22-JUN-2016 14:49
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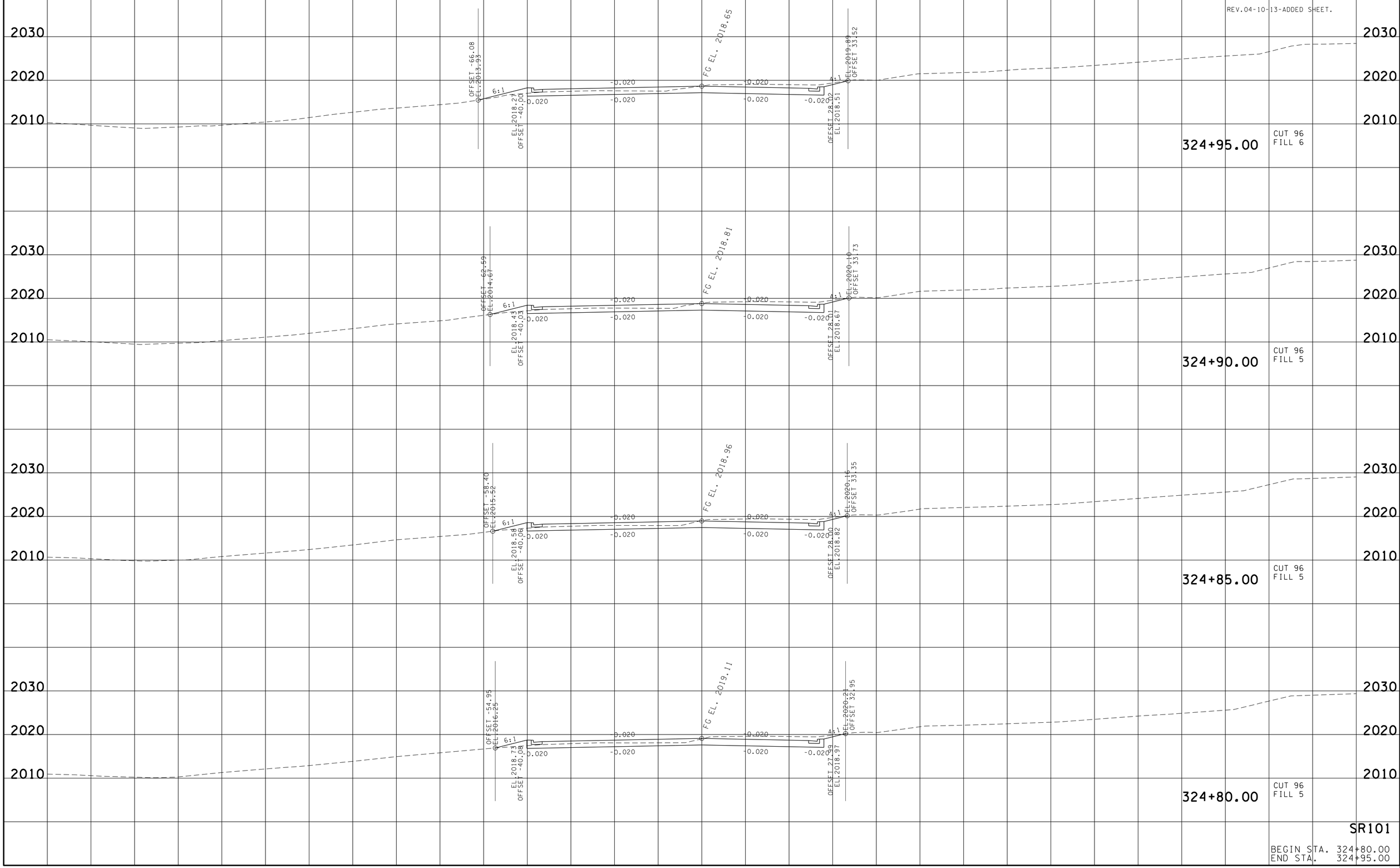
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	190

REV.04-10-13-ADDED SHEET.



SR101

BEGIN STA. 324+80.00
END STA. 324+95.00

22-JUN-2016 14:51
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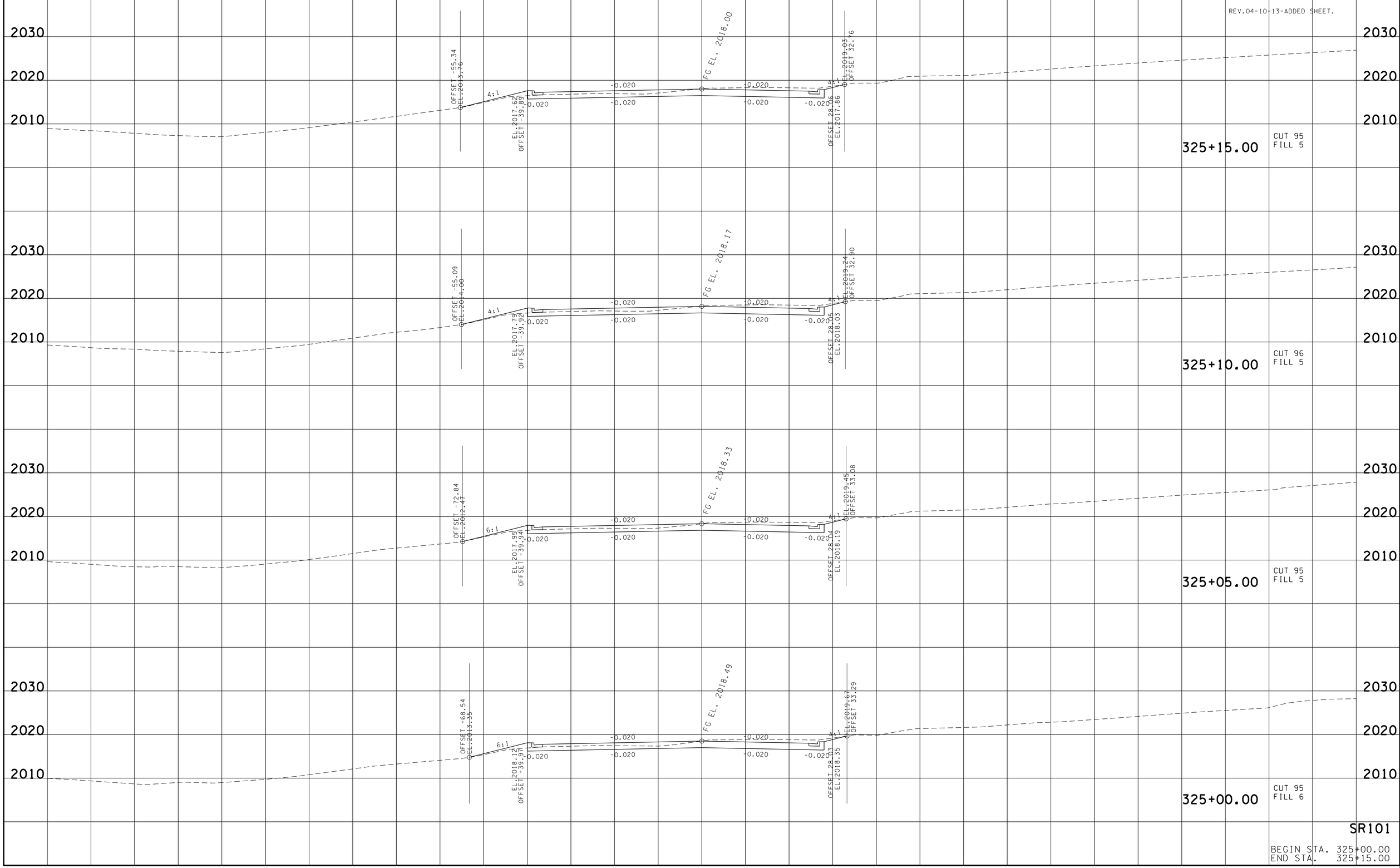
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	191

REV.04-10-13-ADDED SHEET.



SR101

BEGIN STA. 325+00.00
END STA. 325+15.00

22-JUN-2016 14:51
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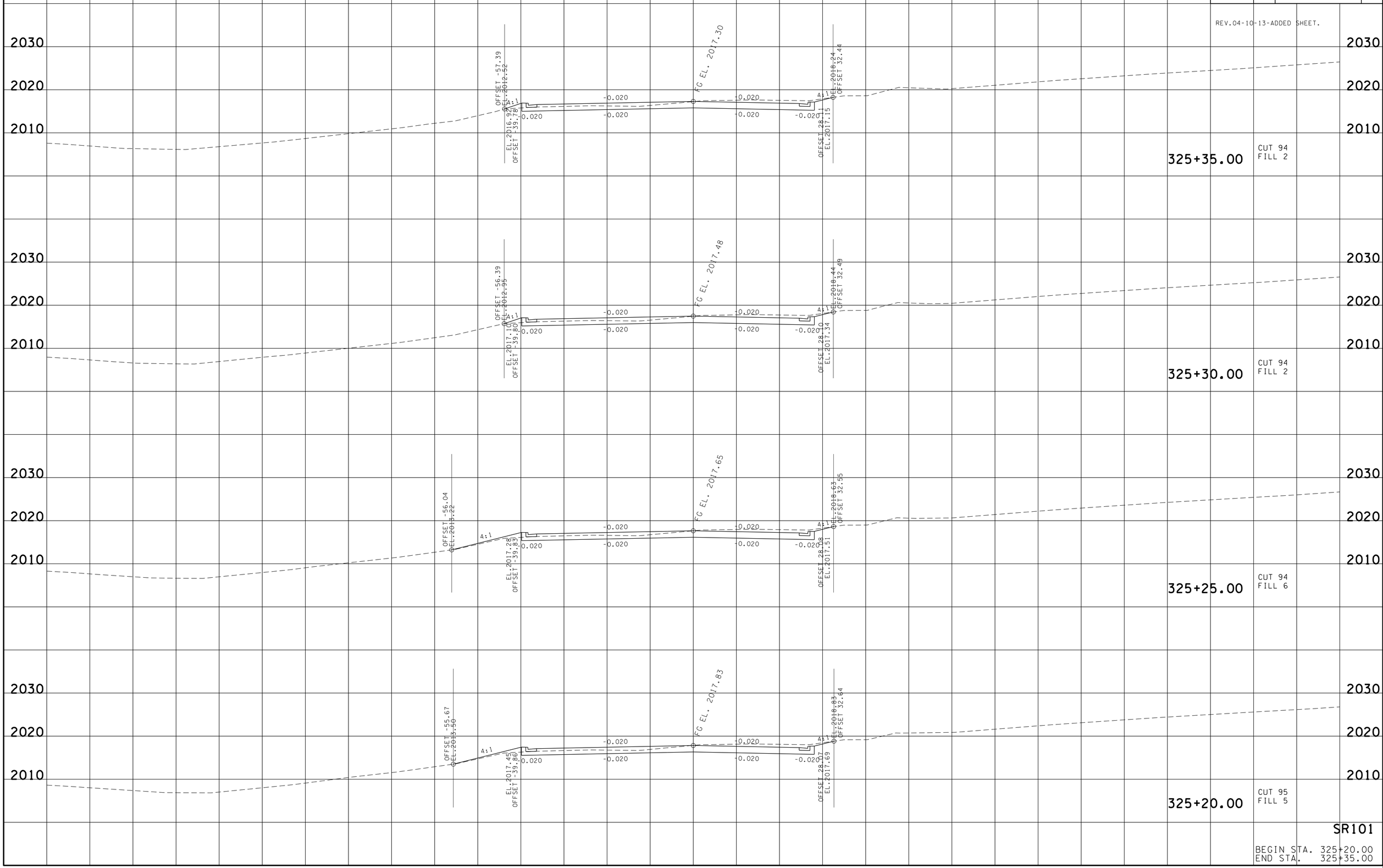
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	192

REV.04-10-13-ADDED SHEET.



SR101

BEGIN STA. 325+20.00
END STA. 325+35.00

22-JUN-2016 14:52
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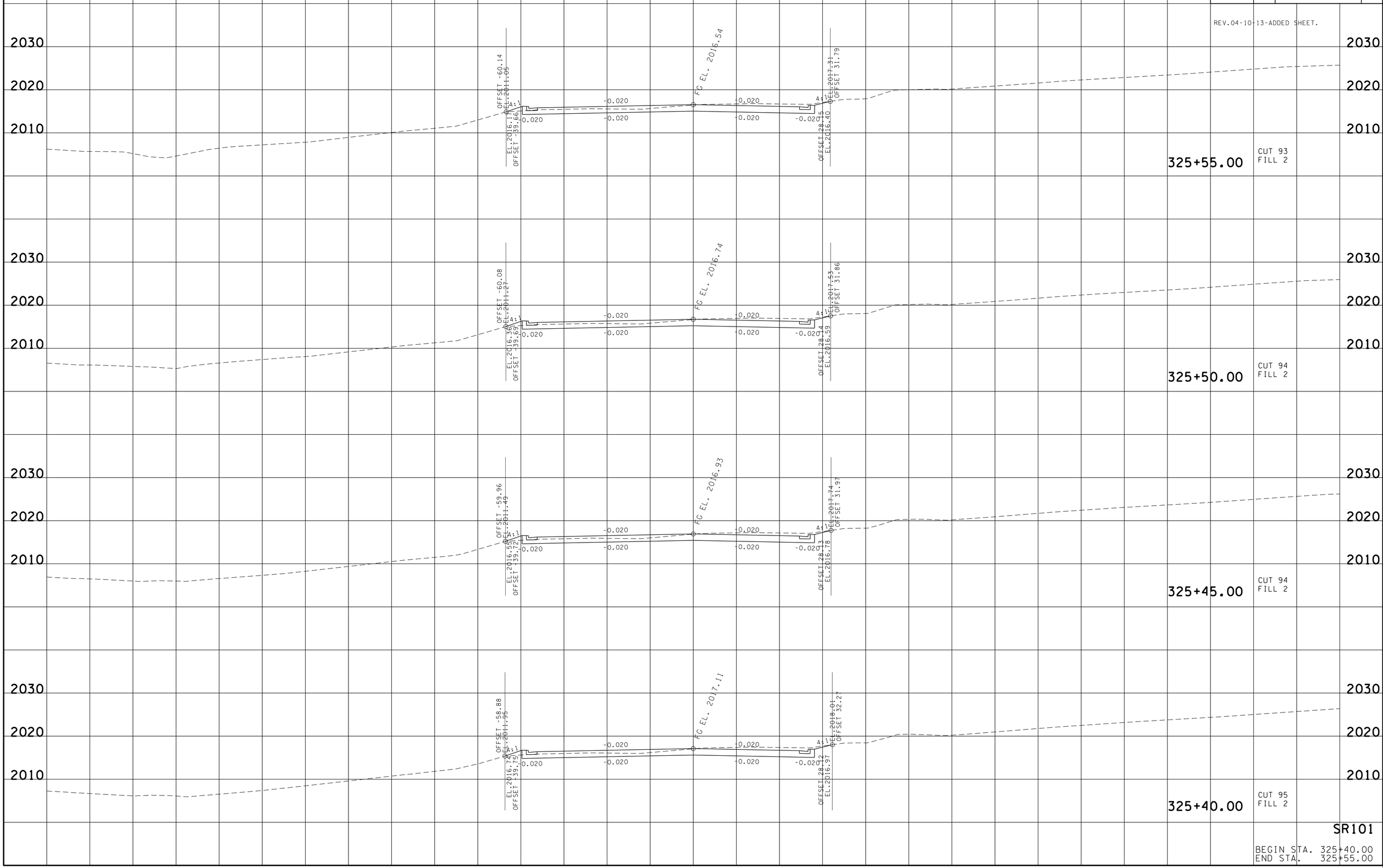
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	193

REV.04-10-13-ADDED SHEET.



SR101

BEGIN STA. 325+40.00
END STA. 325+55.00

22-JUN-2016 14:52
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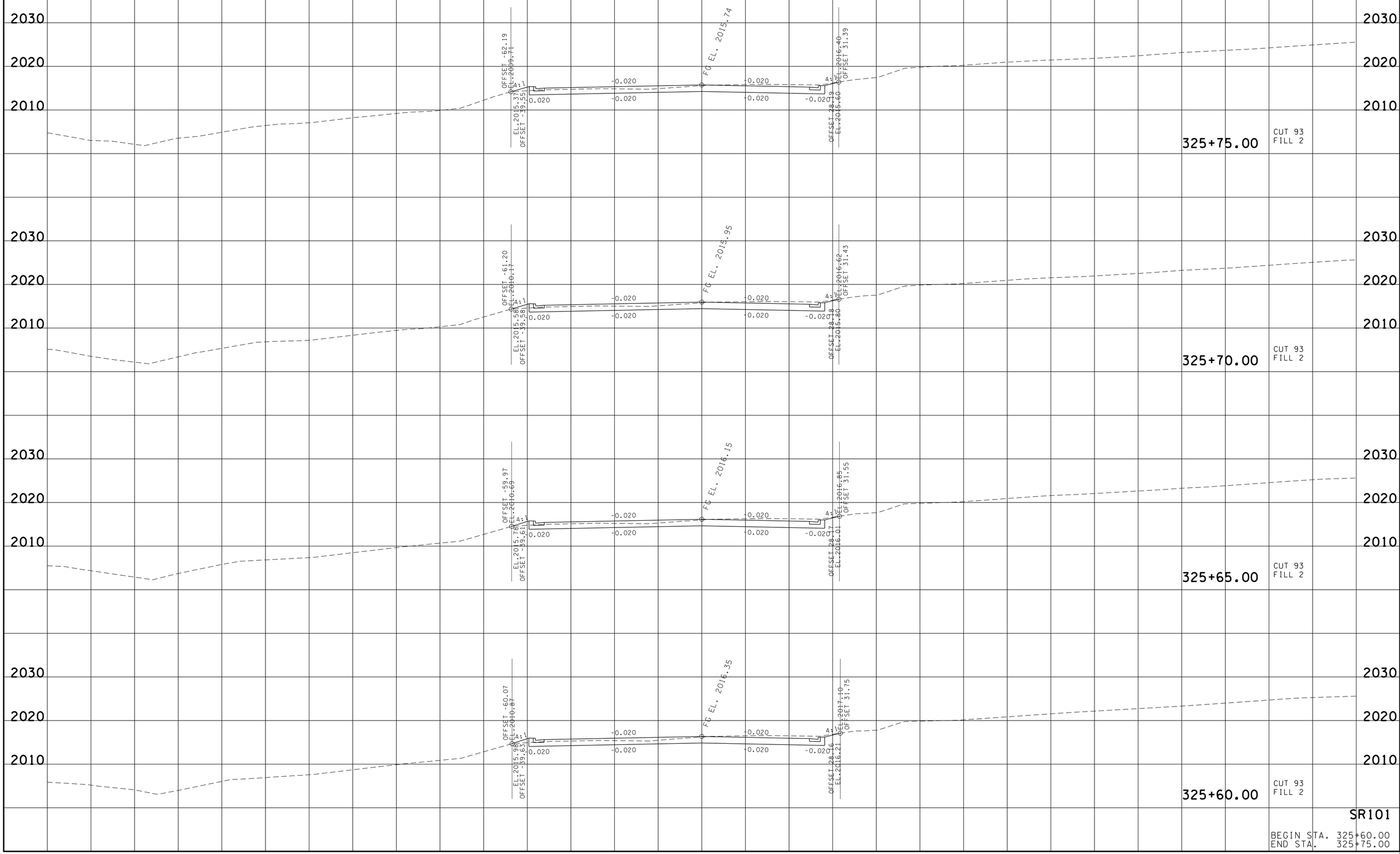
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	194

REV.04-10-13-ADDED SHEET.



SR101

BEGIN STA. 325+60.00
END STA. 325+75.00

22-JUN-2016 14:52
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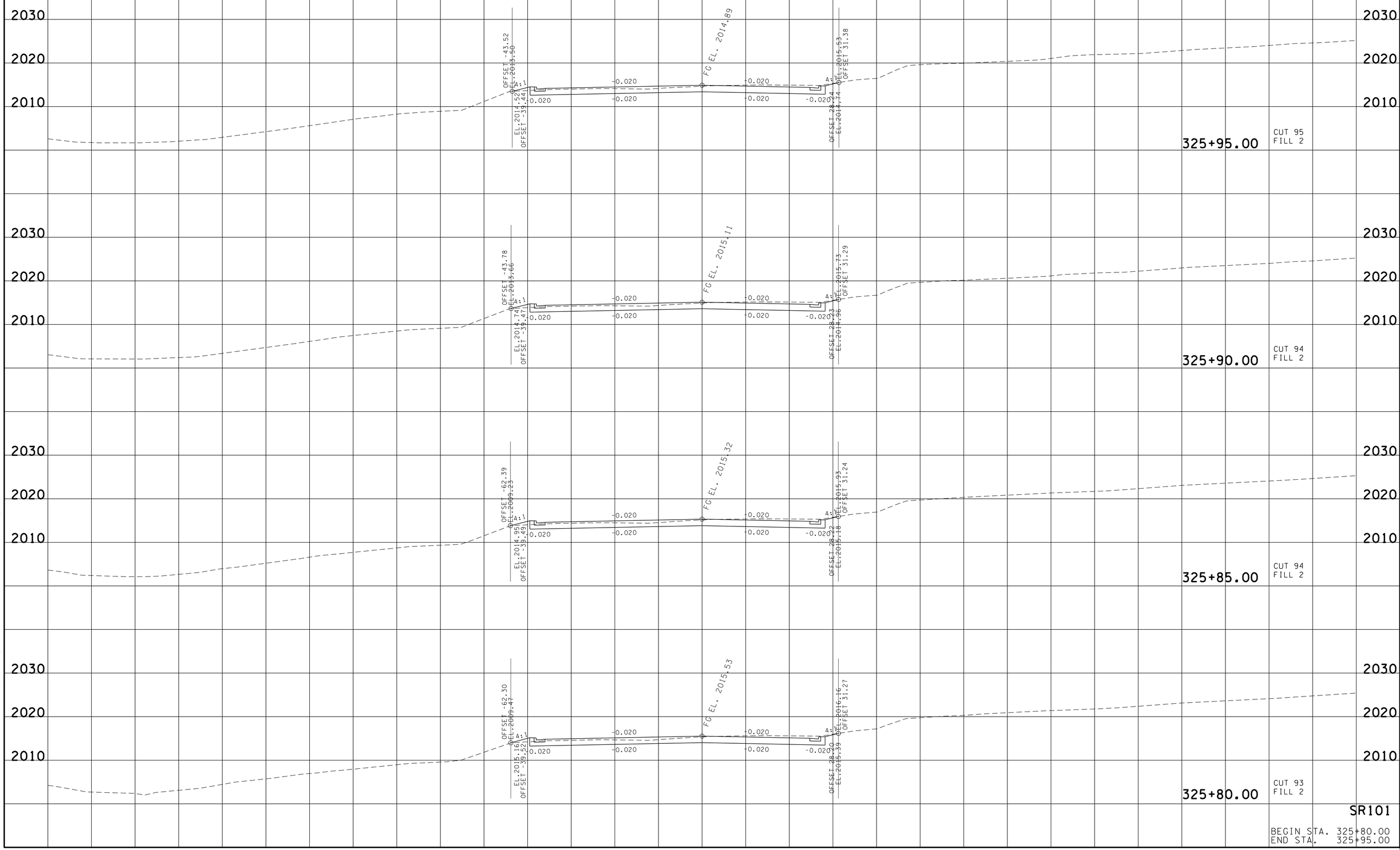
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	195

REV.04-10-13-ADDED SHEET.



SR101

BEGIN STA. 325+80.00
END STA. 325+95.00

22-JUN-2016 14:52
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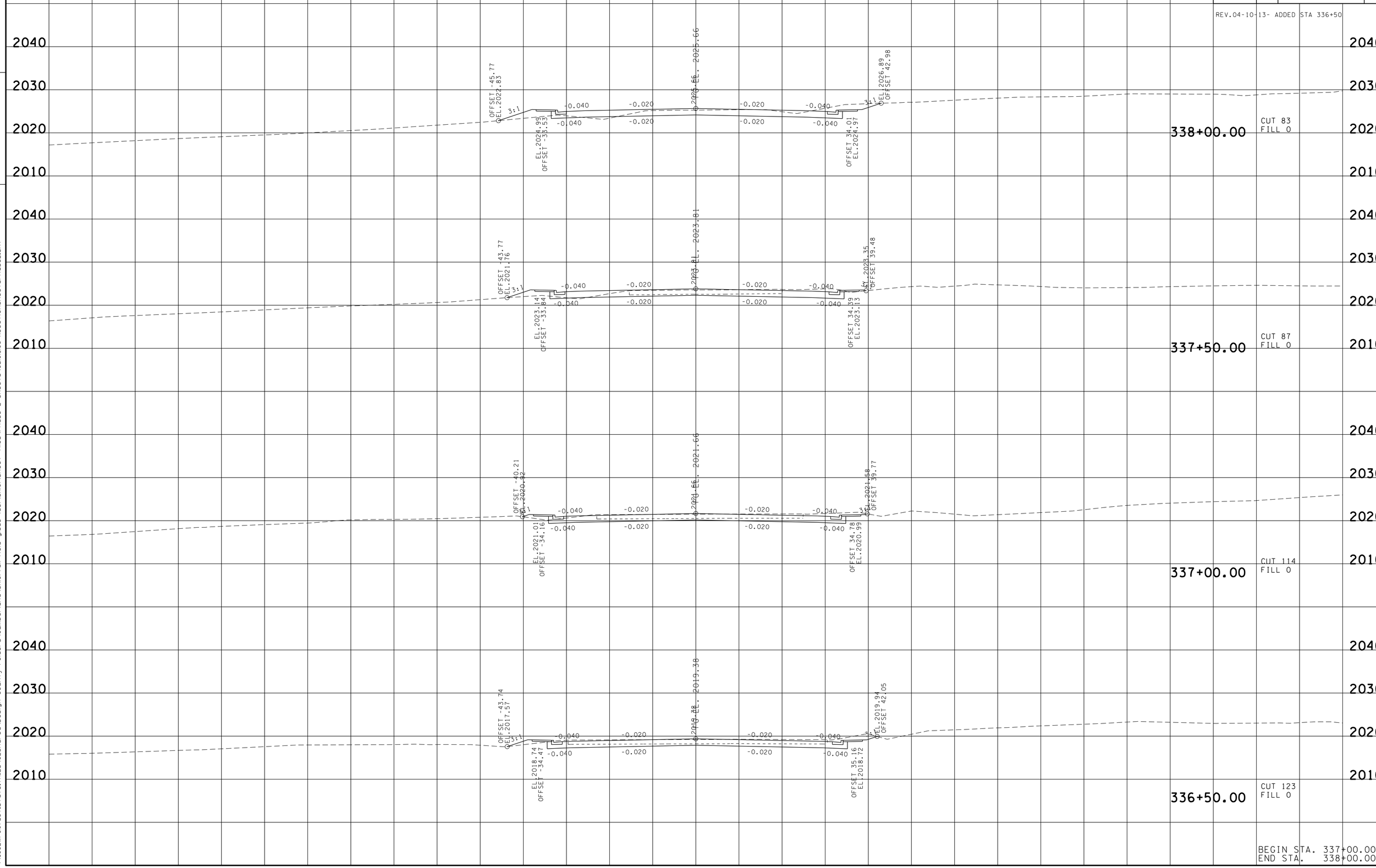
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	196

REV.04-10-13- ADDED STA 336+50

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



BEGIN STA. 337+00.00
END STA. 338+00.00

22-JUN-2016 14:55
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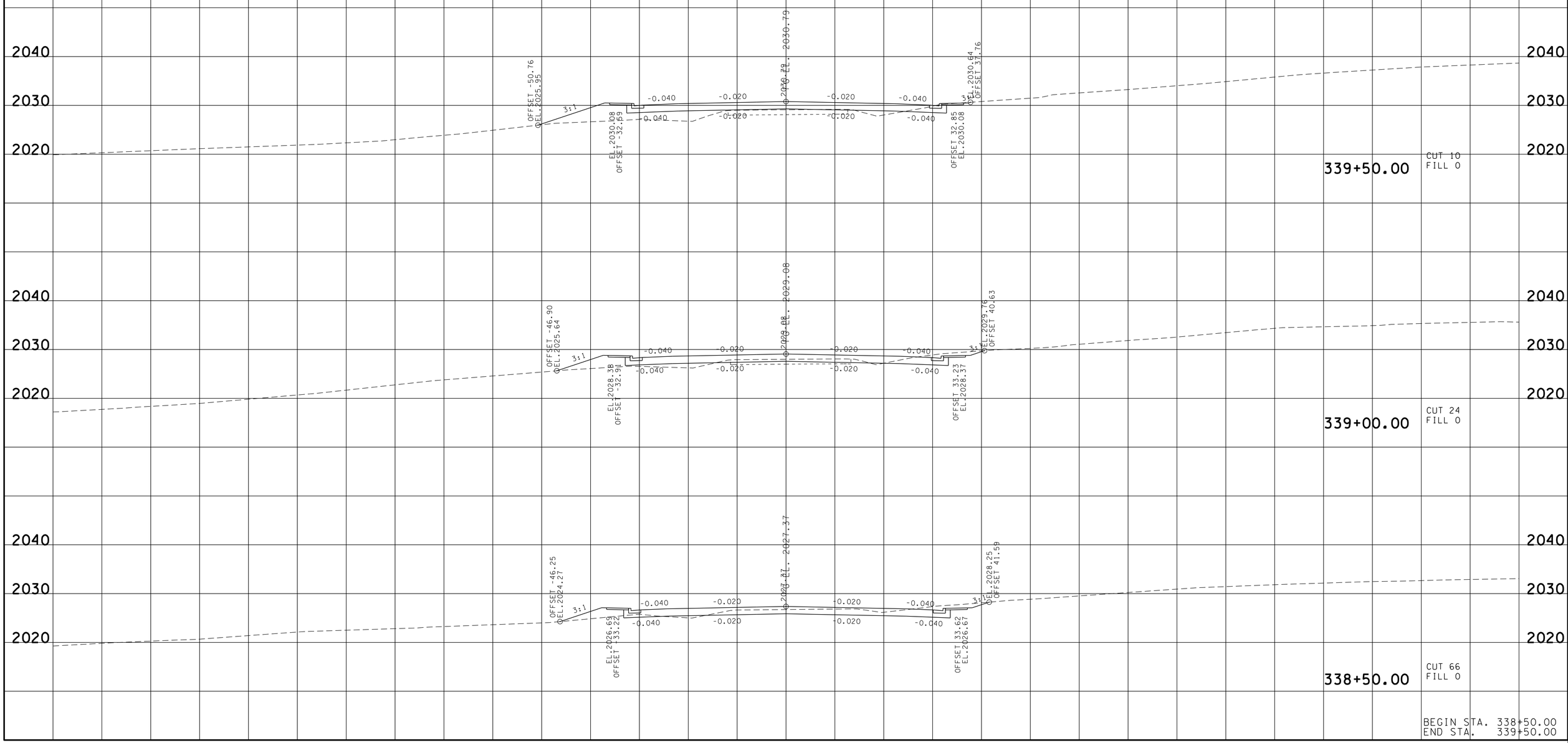
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	197

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



BEGIN STA. 338+50.00
END STA. 339+50.00

22-JUN-2016 14:55
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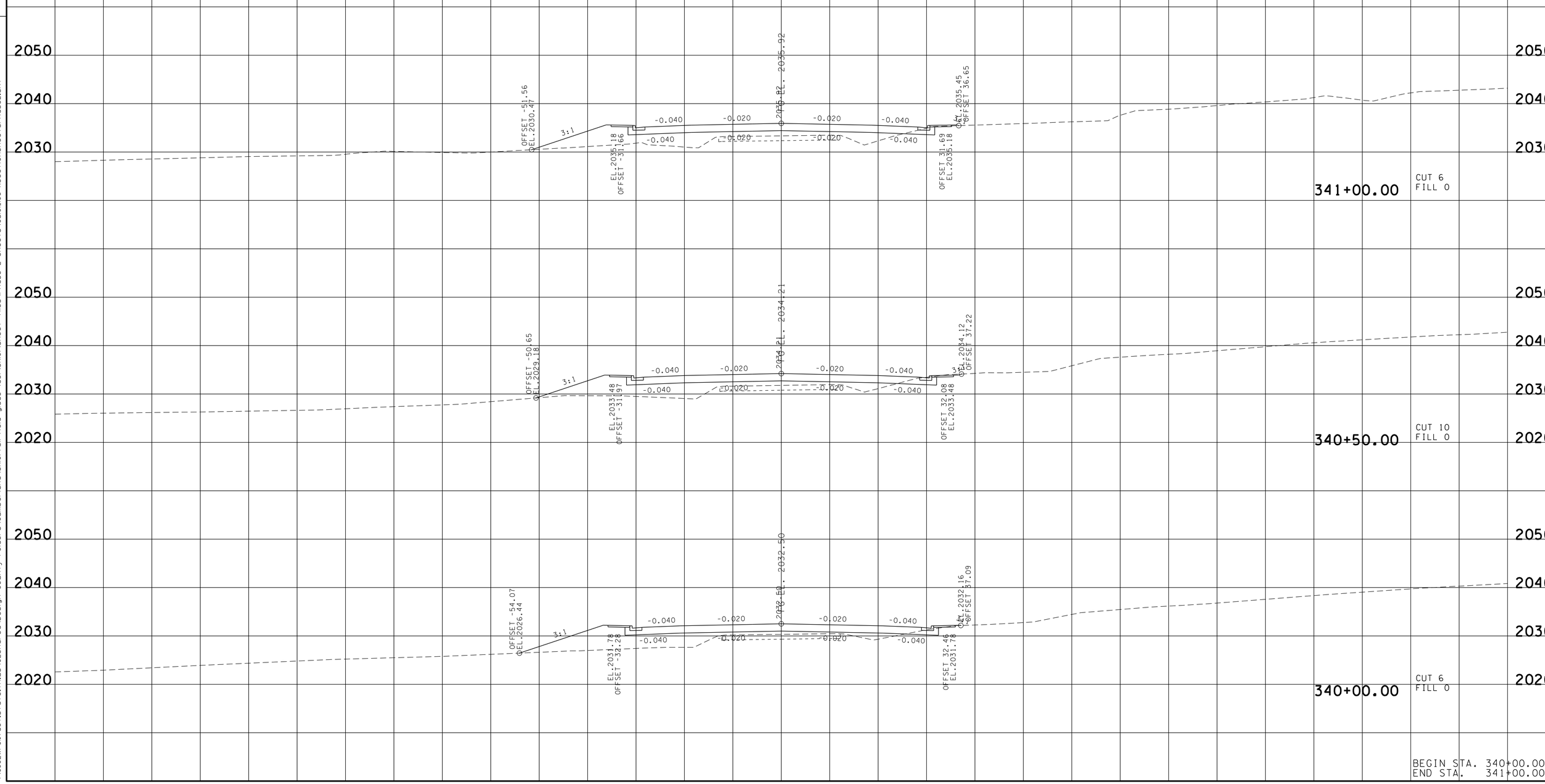
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	198

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



BEGIN STA. 340+00.00
END STA. 341+00.00

22-JUN-2016 14:55
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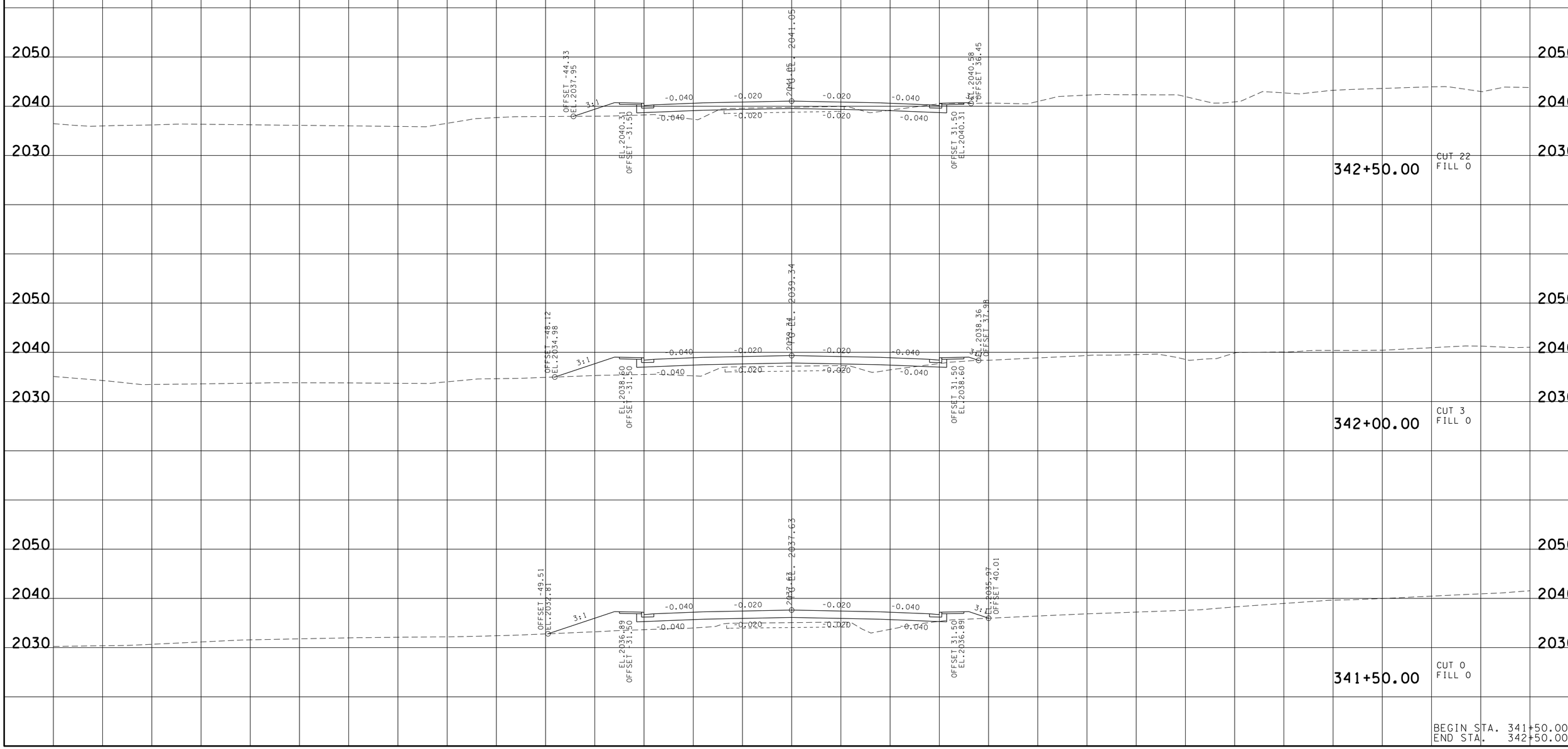
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	199

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



BEGIN STA. 341+50.00
END STA. 342+50.00

22-JUN-2016 14:55
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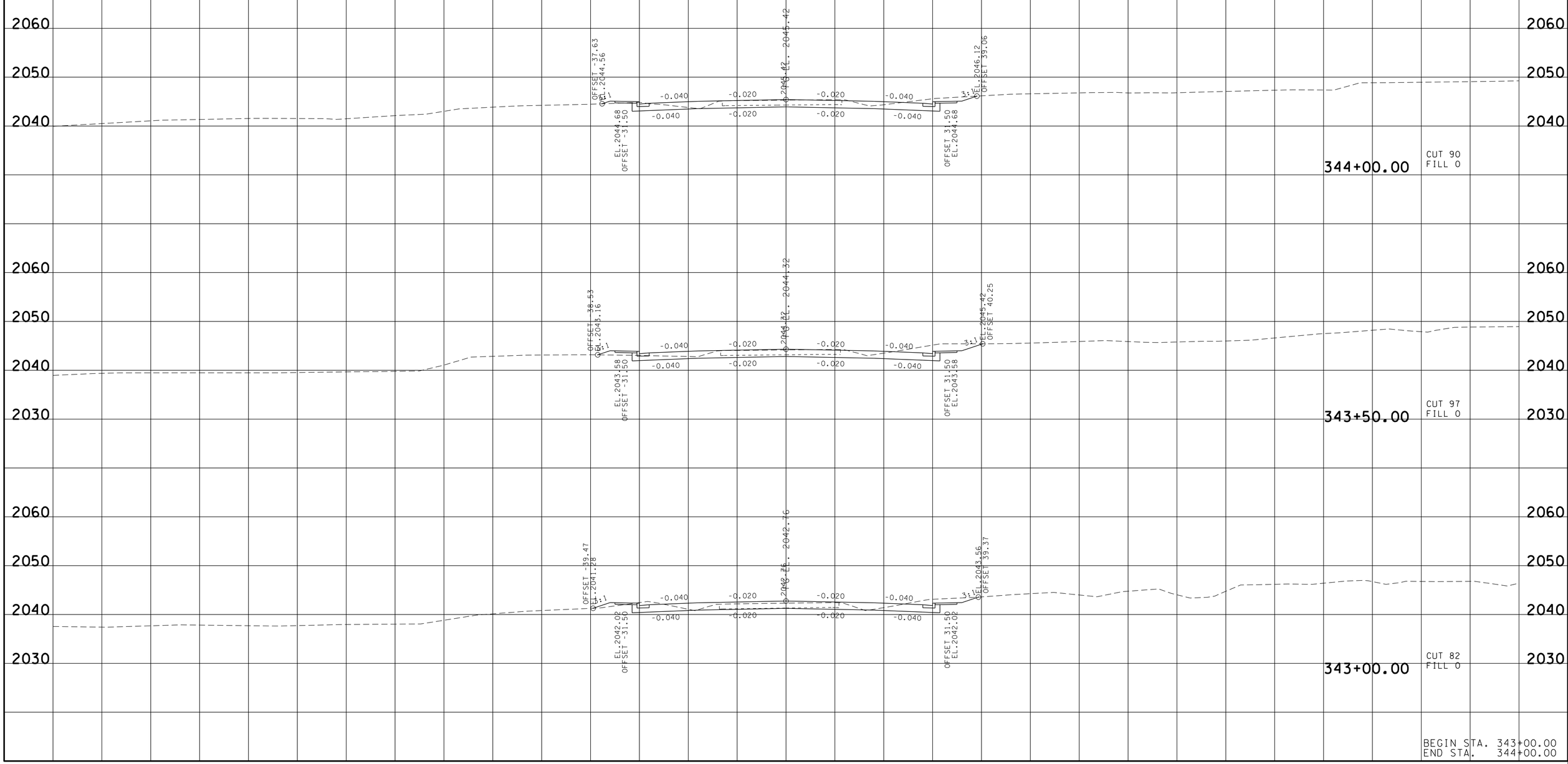
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	200

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



BEGIN STA. 343+00.00
END STA. 344+00.00

22-JUN-2016 14:55
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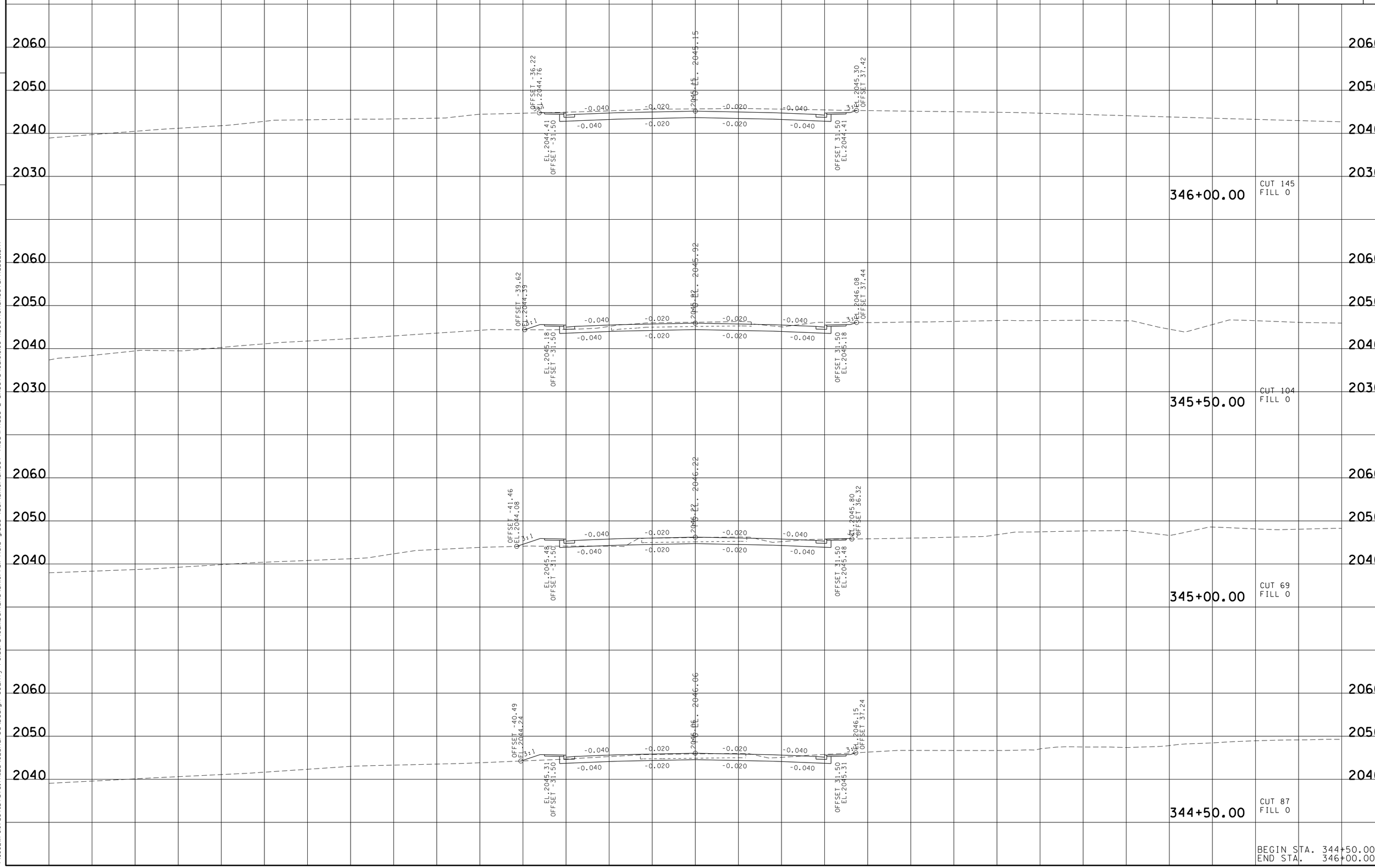
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	201

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



BEGIN STA. 344+50.00
END STA. 346+00.00

22-JUN-2016 14:55
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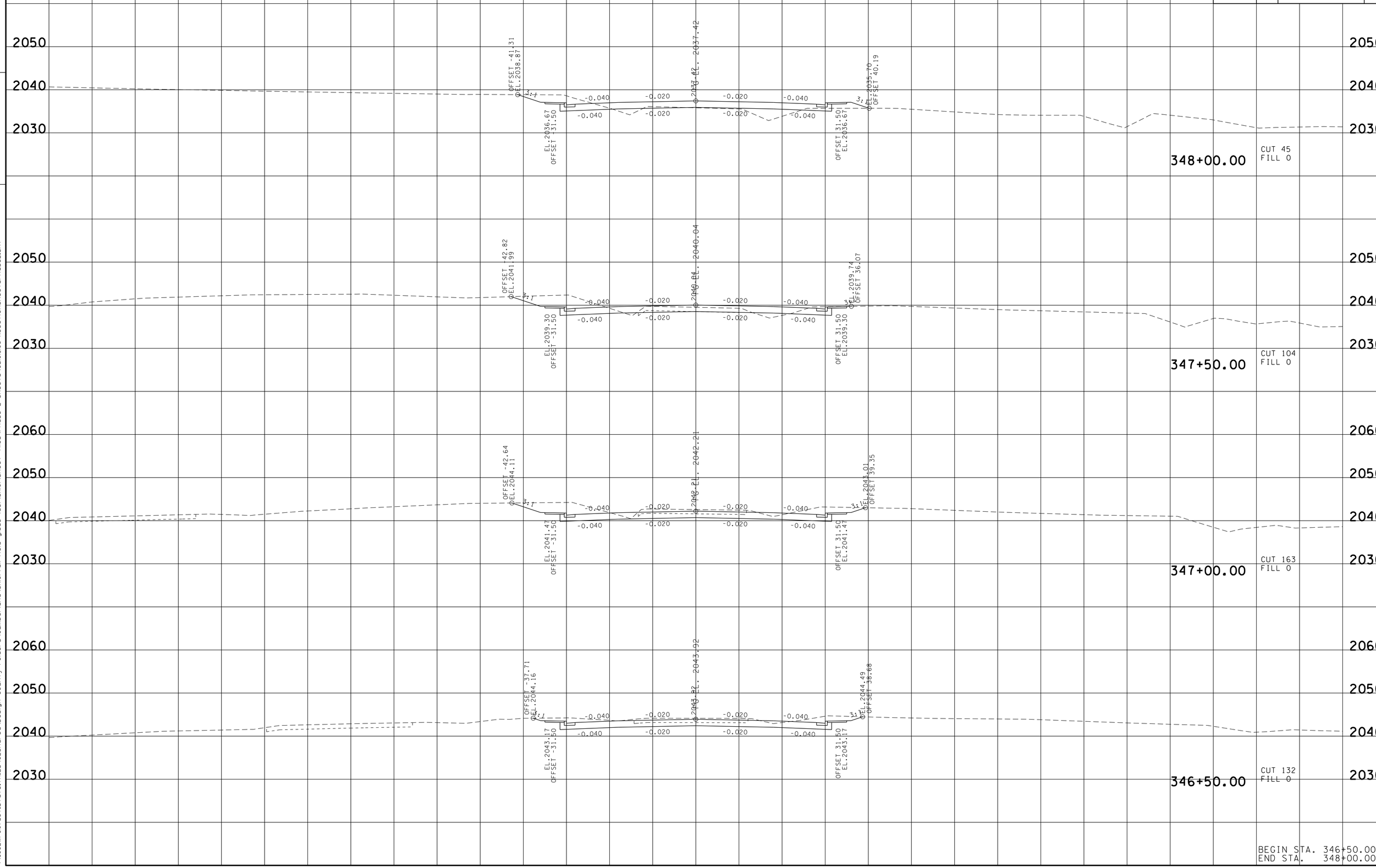
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	202

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



BEGIN STA. 346+50.00
END STA. 348+00.00

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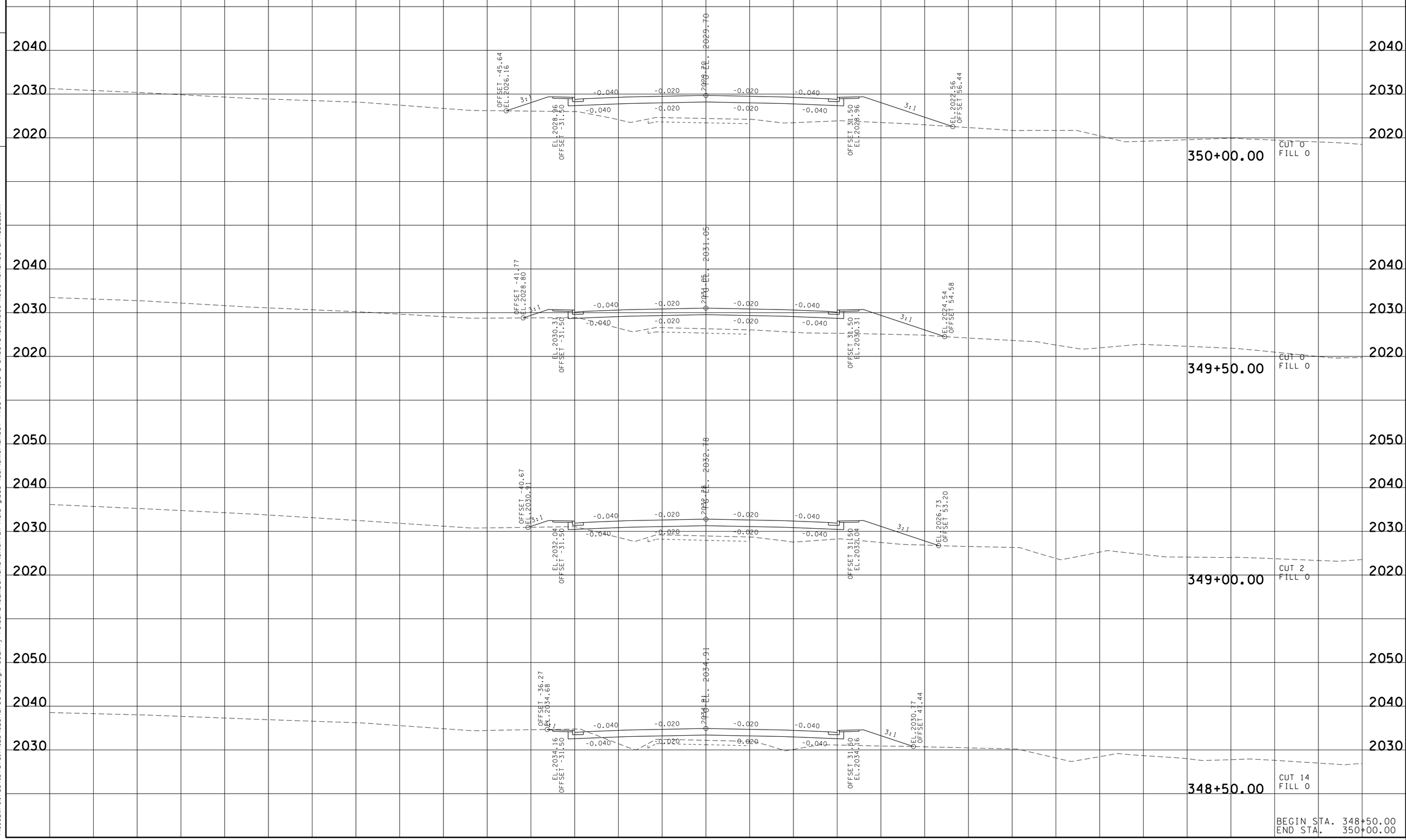
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	203

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



BEGIN STA. 348+50.00
END STA. 350+00.00

22-JUN-2016 14:56
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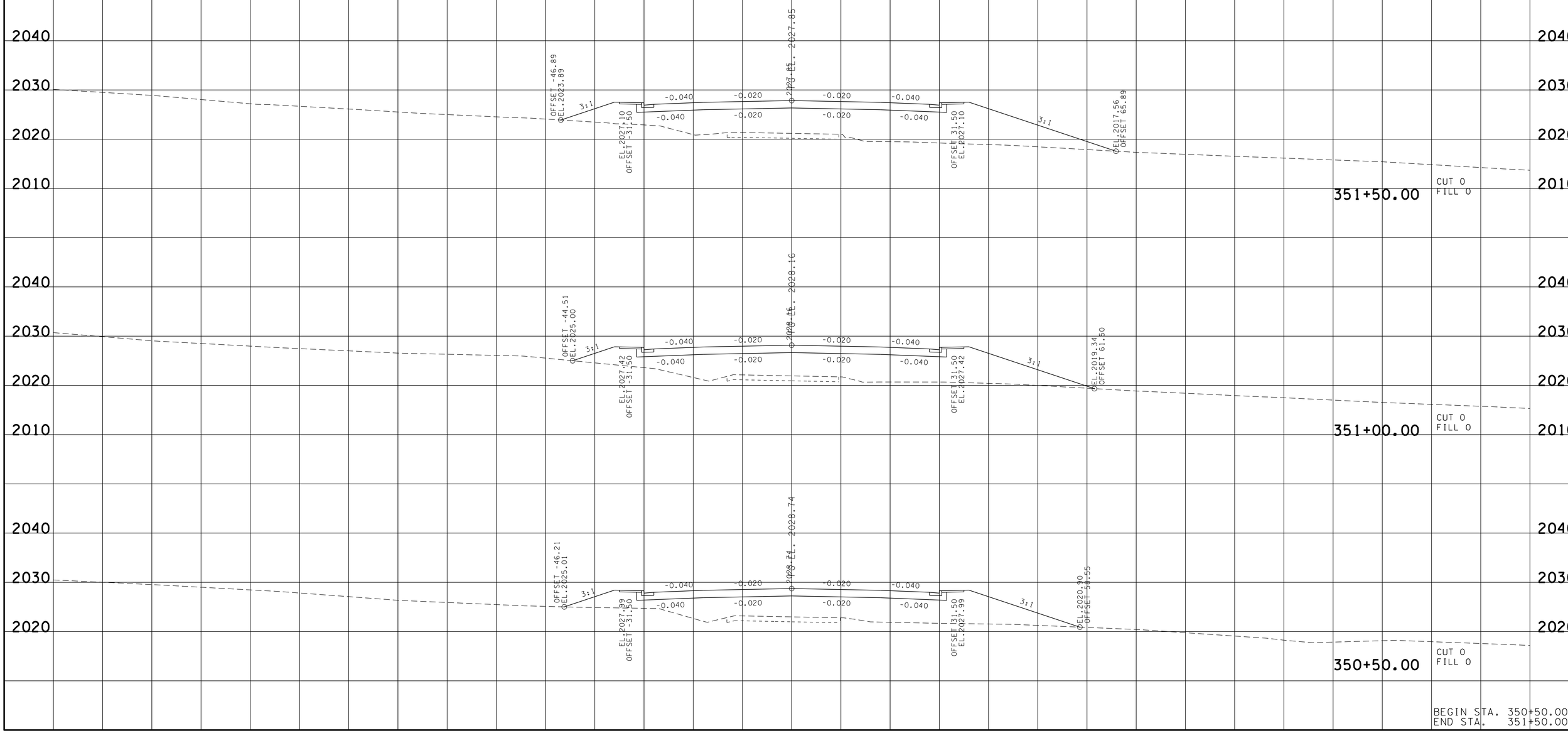
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	204

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



BEGIN STA. 350+50.00
END STA. 351+50.00

22-JUN-2016 14:56
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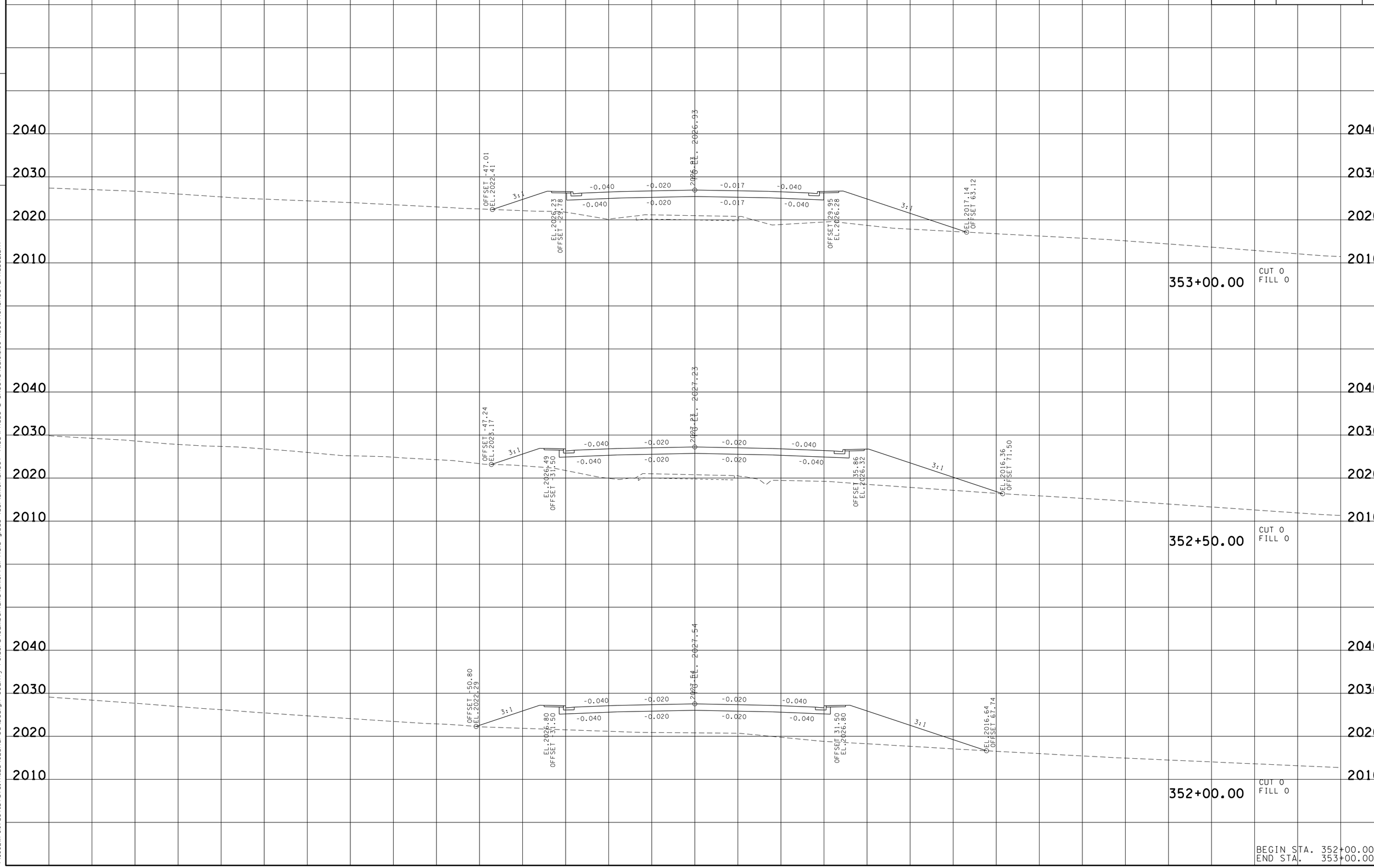
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	205

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



BEGIN STA. 352+00.00
END STA. 353+00.00

22-JUN-2016 14:56
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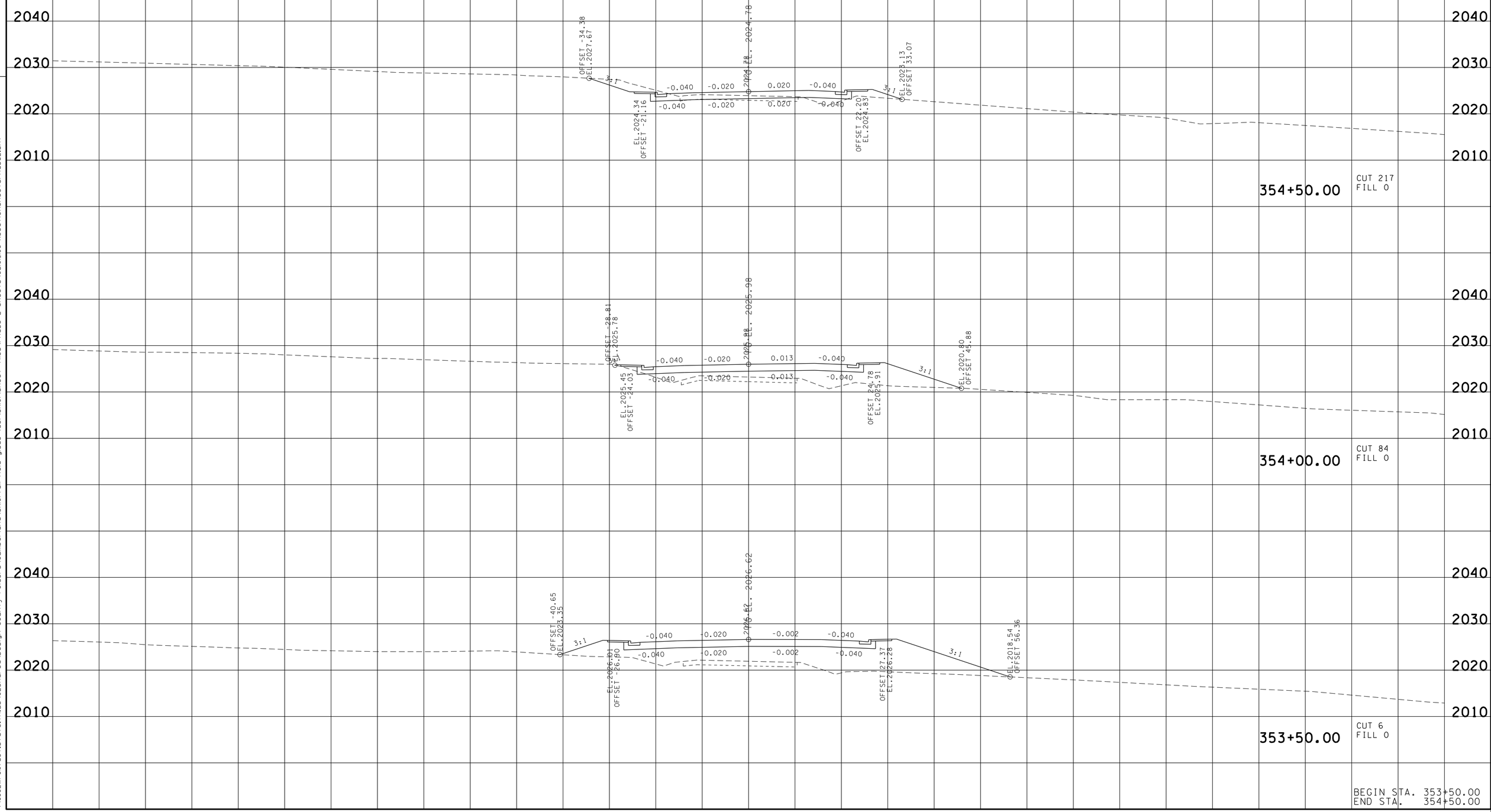
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	206

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



BEGIN STA. 353+50.00
END STA. 354+50.00

22-JUN-2016 14:56
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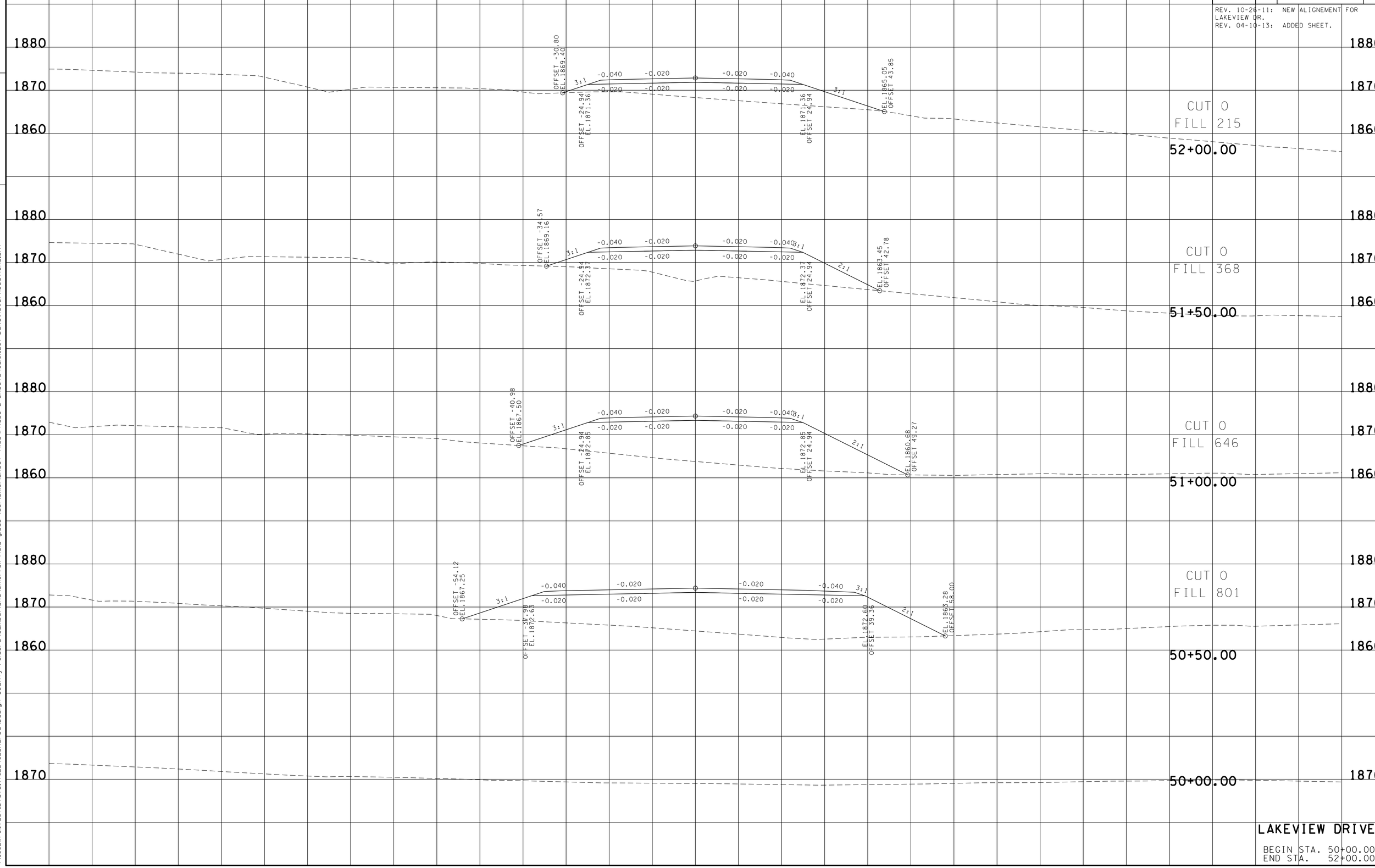
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	207

REV. 10-26-11: NEW ALIGNEMENT FOR LAKEVIEW DR.
REV. 04-10-13: ADDED SHEET.

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



LAKEVIEW DRIVE

BEGIN STA. 50+00.00
END STA. 52+00.00

22-JUN-2016 14:56
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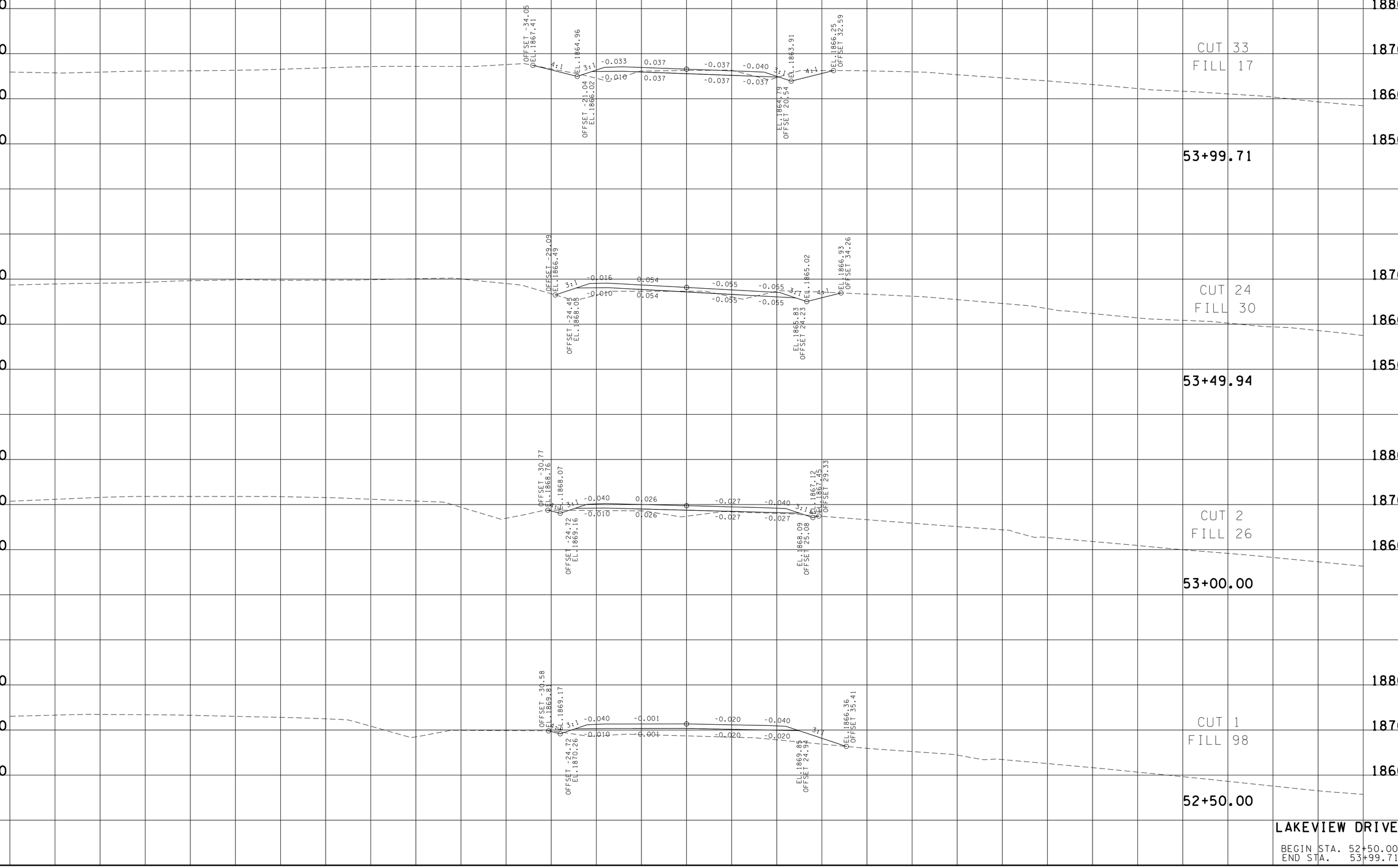
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	208

REV. 10-26-11: NEW ALIGNEMENT FOR LAKEVIEW DR.
REV. 04-10-13: ADDED SHEET.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



LAKEVIEW DRIVE

BEGIN STA. 52+50.00
END STA. 53+99.71

22-JUN-2016 14:56
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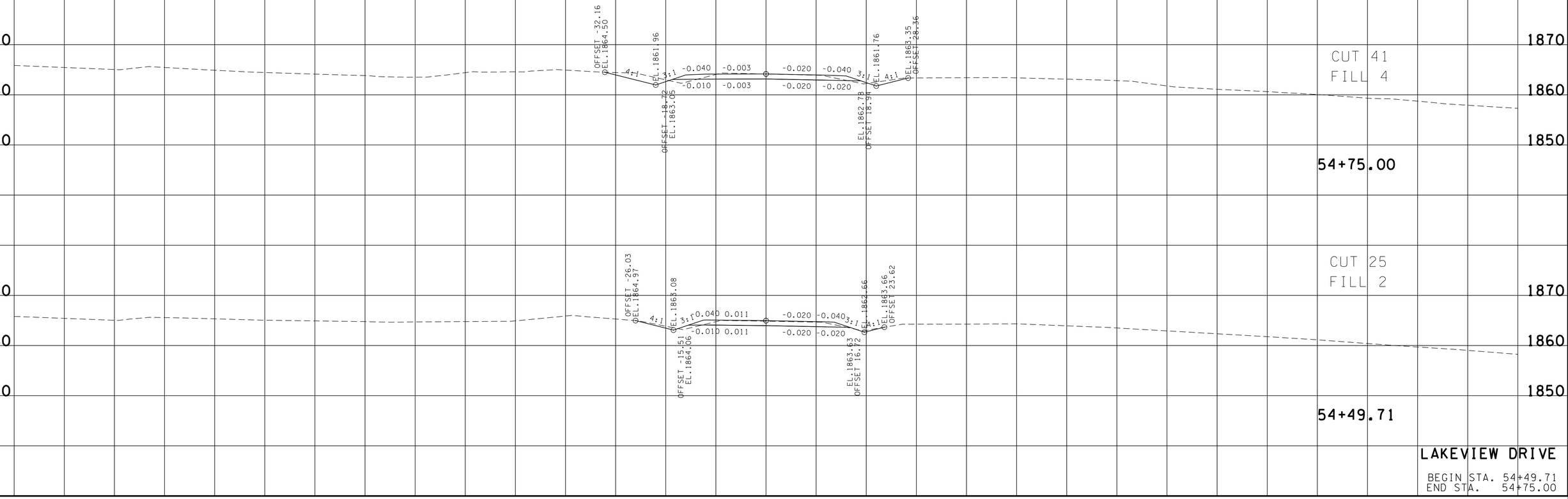
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	209

REV. 10-26-11: NEW ALIGNEMENT FOR LAKEVIEW DR.
REV. 04-10-13: ADDED SHEET.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



LAKEVIEW DRIVE

BEGIN STA. 54+49.71
END STA. 54+75.00

22-JUN-2016 14:56
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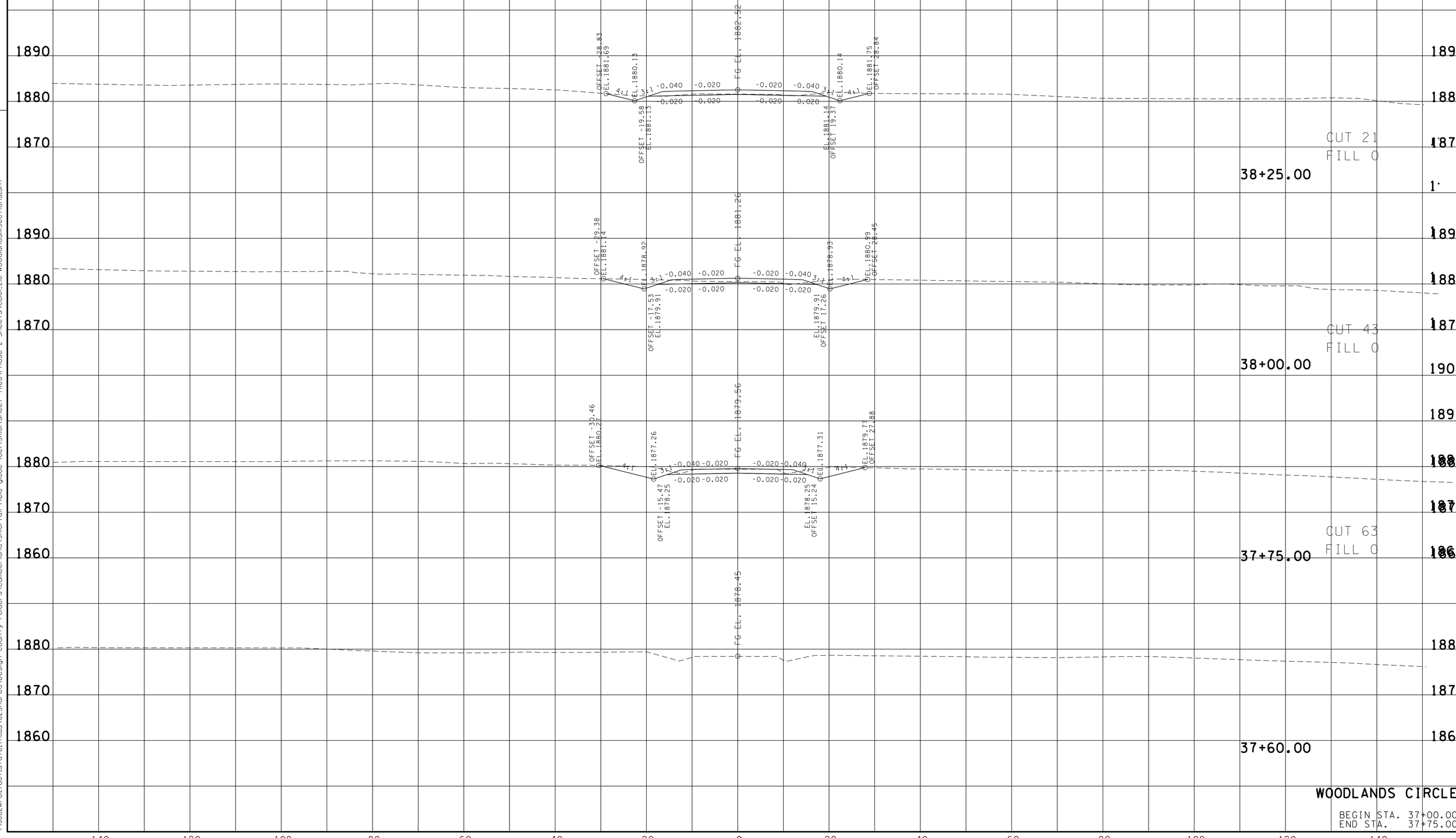
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	210

REV. 09-12-12- REVISED WOODLAND CIRCLE CROSS SECTIONS

REV.04-10-13- RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



WOODLANDS CIRCLE

BEGIN STA. 37+00.00
END STA. 37+75.00

23-JUN-2016 06:37
\\JU02WF01.tdot.state.tn.us\02Shared\Design County Folders\Cumberland\SR101 fair-field glade (de)\SR101\sheet files\Phase 2 Sheets\CU101_210-WoodlandsIXSections.sht

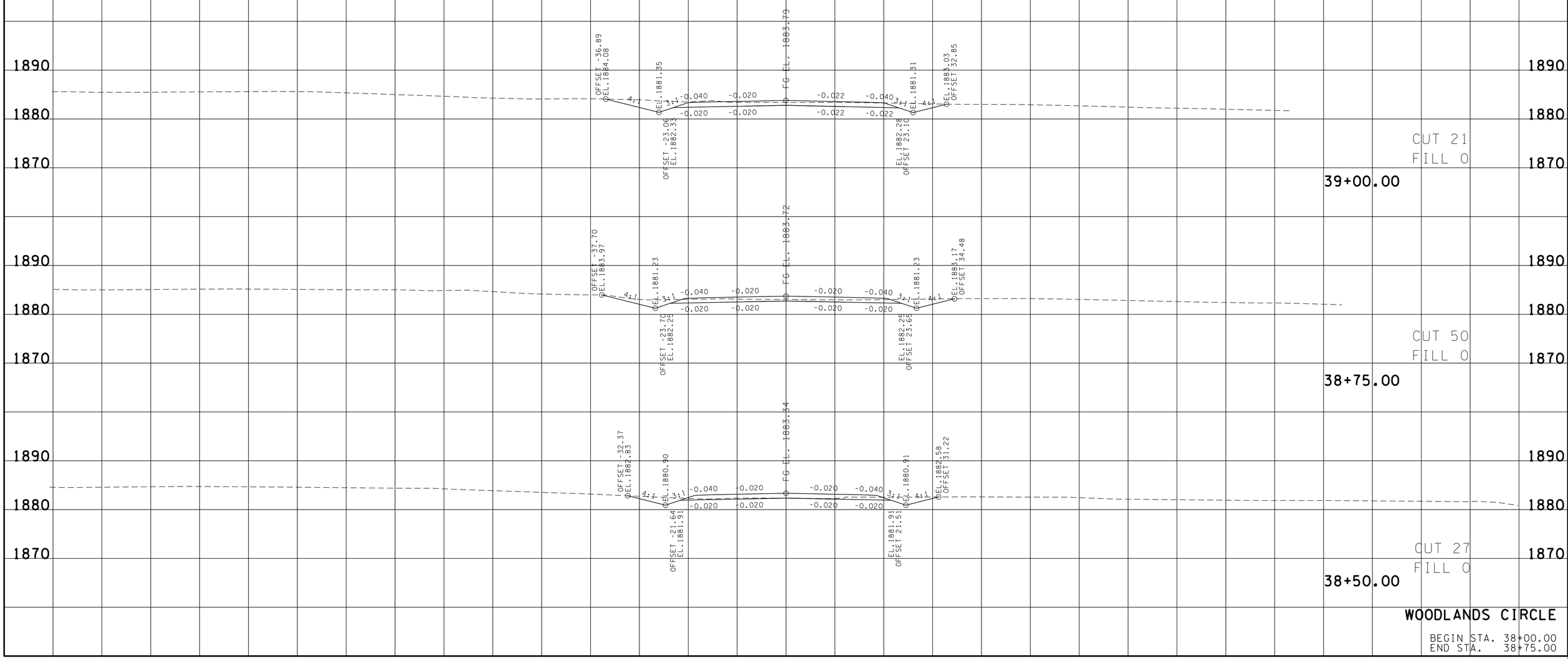
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	211

REV. 09-12-12- REVISED WOODLAND CIRCLE CROSS SECTIONS

REV.04-10-13- RENUMBERED SHEETS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



WOODLANDS CIRCLE

BEGIN STA. 38+00.00
END STA. 38+75.00

23-JUN-2016 06:37
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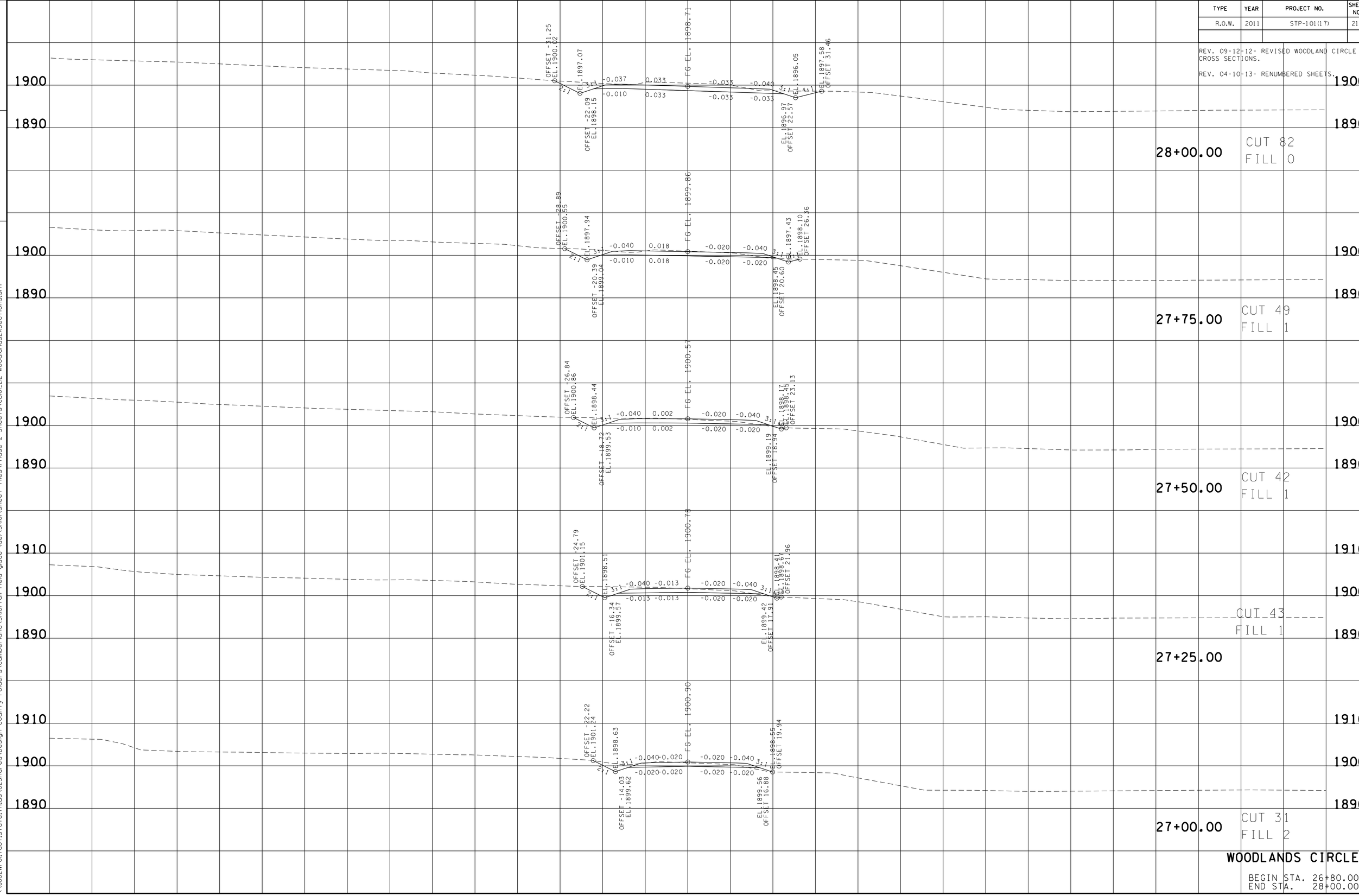
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	212

REV. 09-12-12- REVISED WOODLAND CIRCLE CROSS SECTIONS.

REV. 04-10-13- RENUMBERED SHEETS.



WOODLANDS CIRCLE

BEGIN STA. 26+80.00
END STA. 28+00.00

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

23-JUN-2016 06:37
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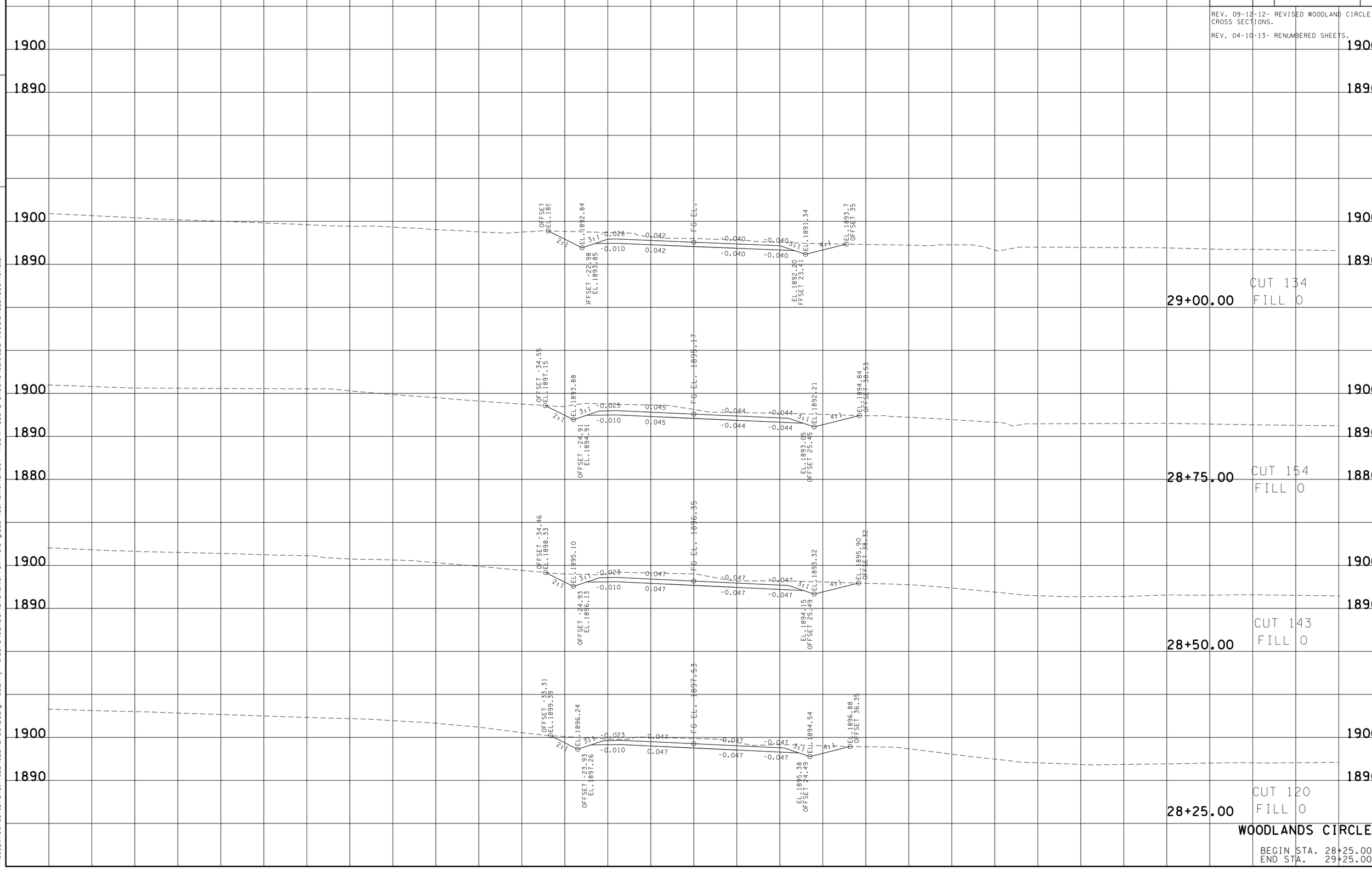
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	213

REV. 09-12-12- REVISED WOODLAND CIRCLE CROSS SECTIONS.

REV. 04-10-13- RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



WOODLANDS CIRCLE

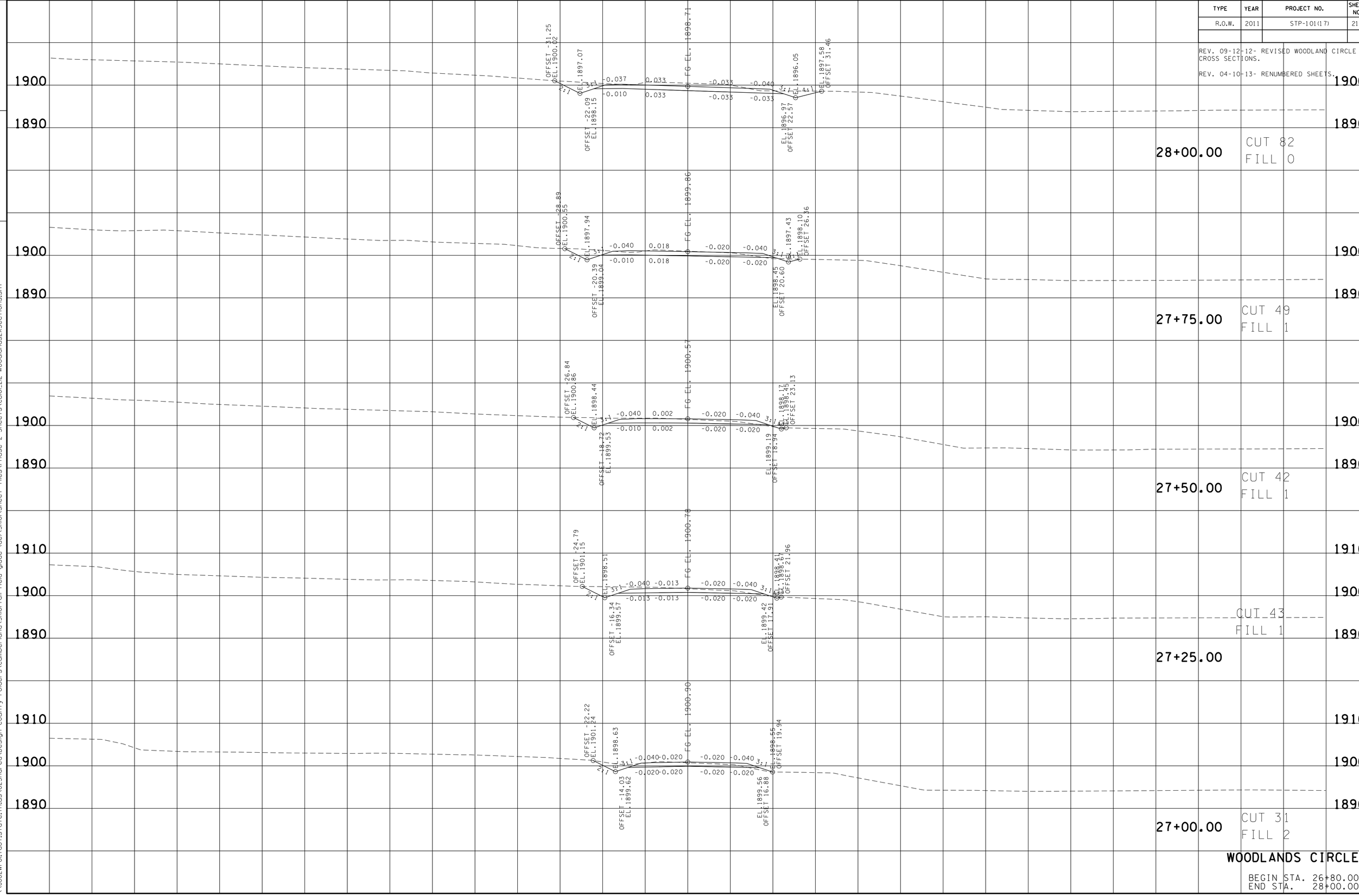
BEGIN STA. 28+25.00
END STA. 29+25.00

23-JUN-2016 06:37
\\JJ02WF01.tdot.state.tn.us\02Shared\Design County Folders\Cumberland\SR101 fairfield glade (de)\SR101\sheet files\Phase 2 Sheets\CU101.212-Woodlands2XSections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	212

REV. 09-12-12- REVISED WOODLAND CIRCLE CROSS SECTIONS.

REV. 04-10-13- RENUMBERED SHEETS.



WOODLANDS CIRCLE

BEGIN STA. 26+80.00
END STA. 28+00.00

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

23-JUN-2016 06:37
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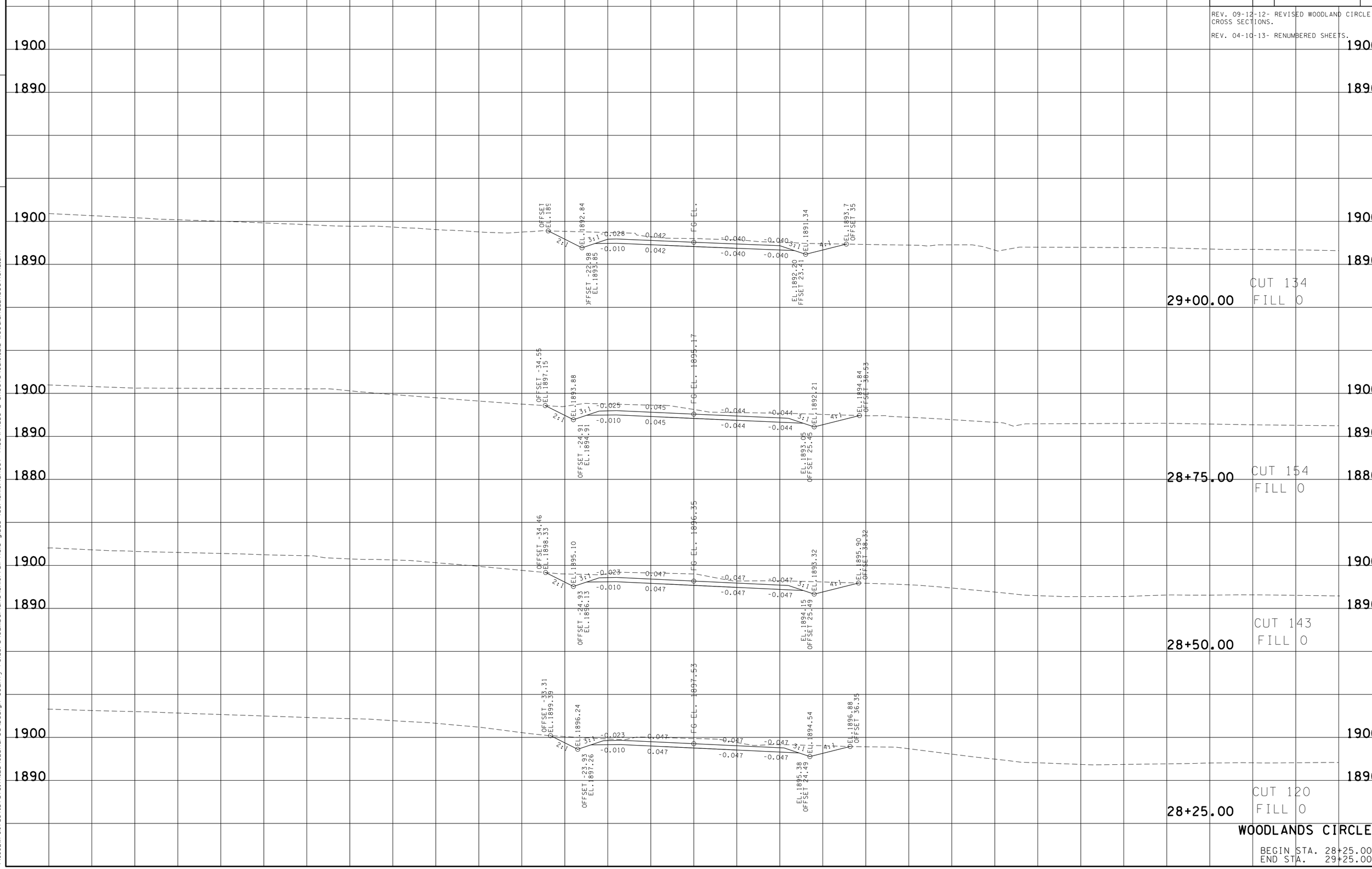
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	213

REV. 09-12-12- REVISED WOODLAND CIRCLE CROSS SECTIONS.

REV. 04-10-13- RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



WOODLANDS CIRCLE

BEGIN STA. 28+25.00
END STA. 29+25.00

23-JUN-2016 06:37
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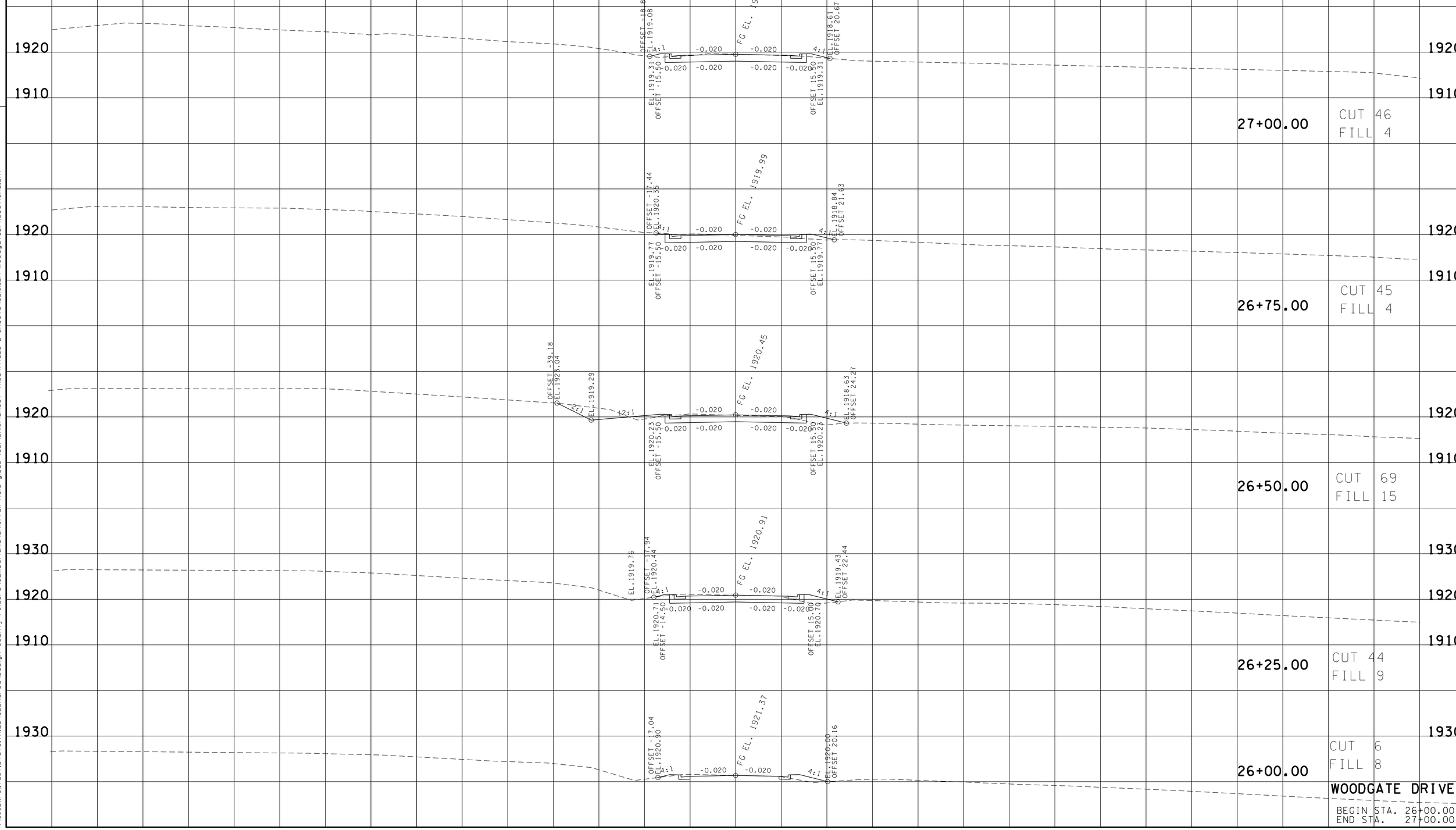
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	214

REV.09-12-12- UPDATED WOODGATE CROSS-SECTIONS
REV.04-10-13- RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



WOODGATE DRIVE

BEGIN STA. 26+00.00
END STA. 27+00.00

23-JUN-2016 06:40
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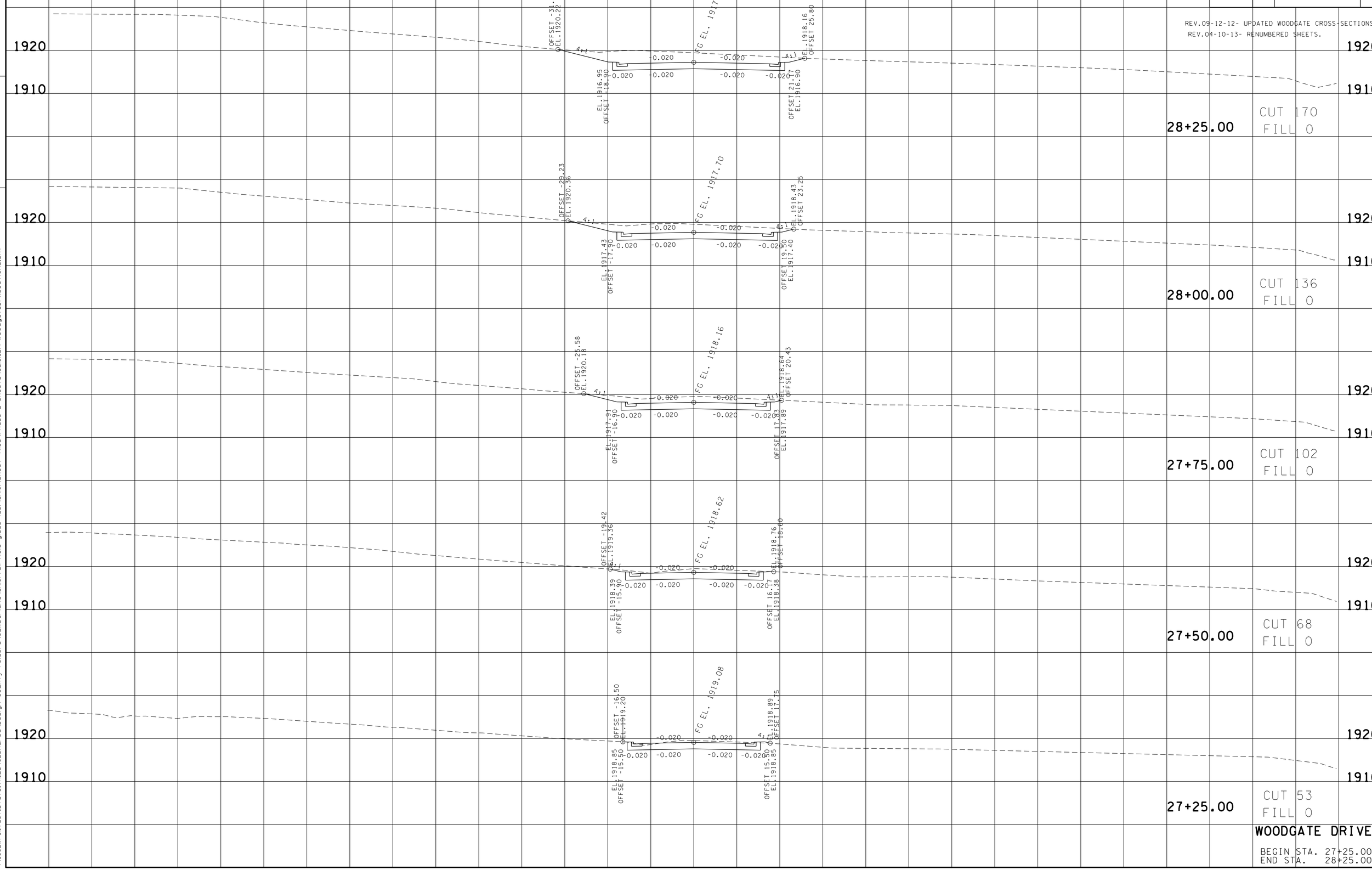
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	215

REV.09-12-12- UPDATED WOODGATE CROSS-SECTIONS
REV.04-10-13- RENUMBERED SHEETS.



WOODGATE DRIVE

BEGIN STA. 27+25.00
END STA. 28+25.00

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION

23-JUN-2016 06:40
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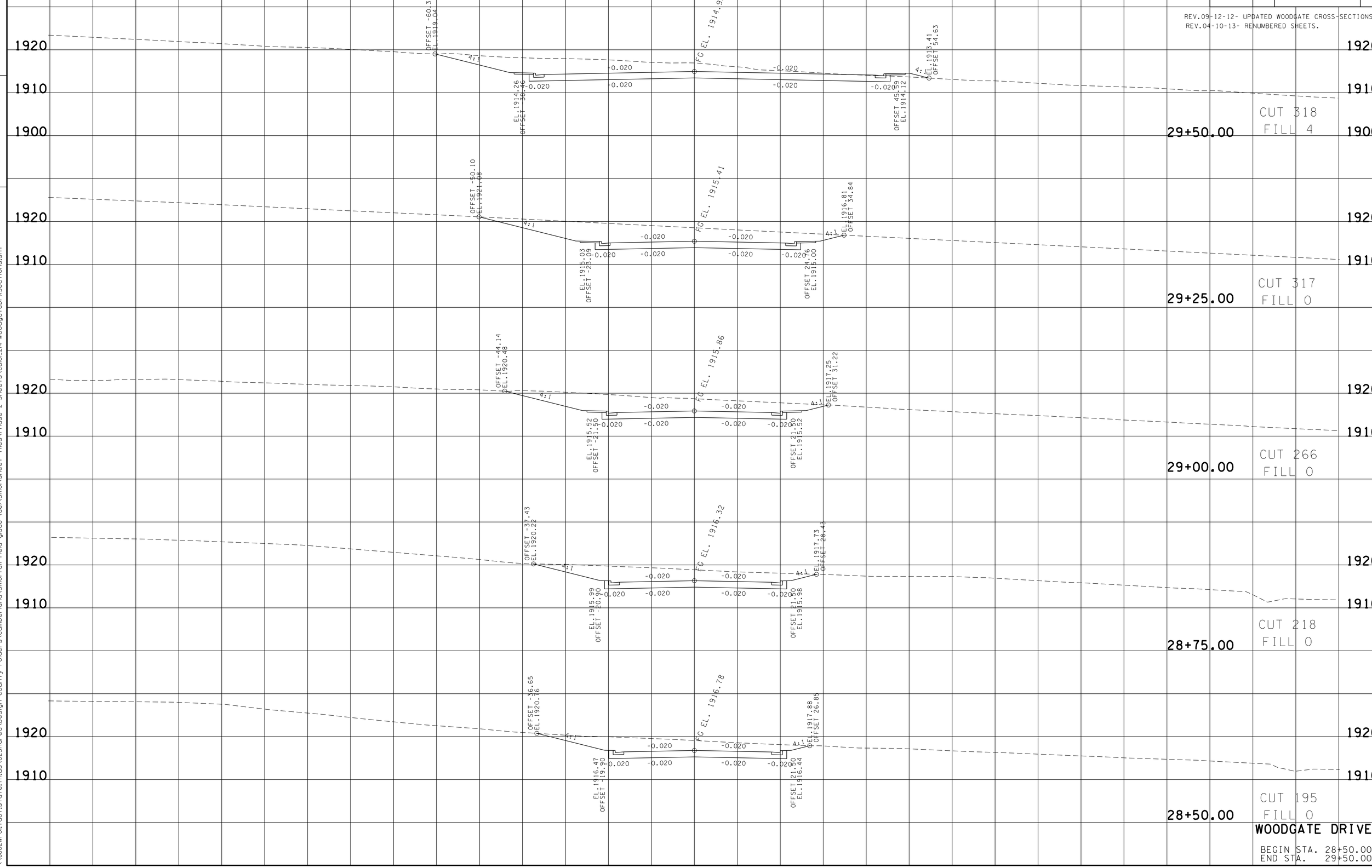
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	216

REV.09-12-12- UPDATED WOODGATE CROSS-SECTIONS
REV.04-10-13- RENUMBERED SHEETS.



WOODGATE DRIVE

BEGIN STA. 28+50.00
END STA. 29+50.00

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

23-JUN-2016 06:40
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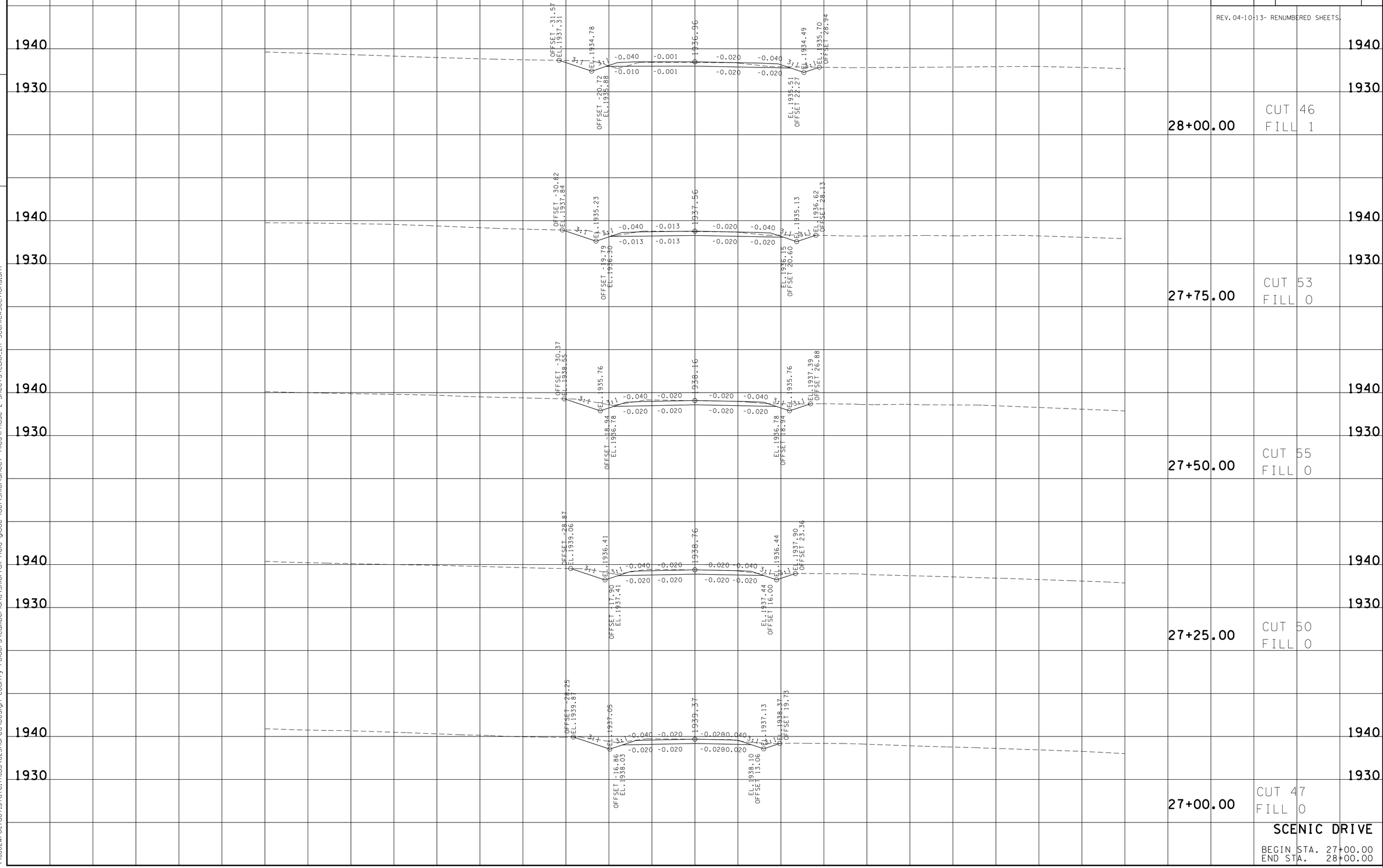
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	217

REV. 04-10-13- RENUMBERED SHEETS.



TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

SCENIC DRIVE

BEGIN STA. 27+00.00
END STA. 28+00.00

23-JUN-2016 06:43
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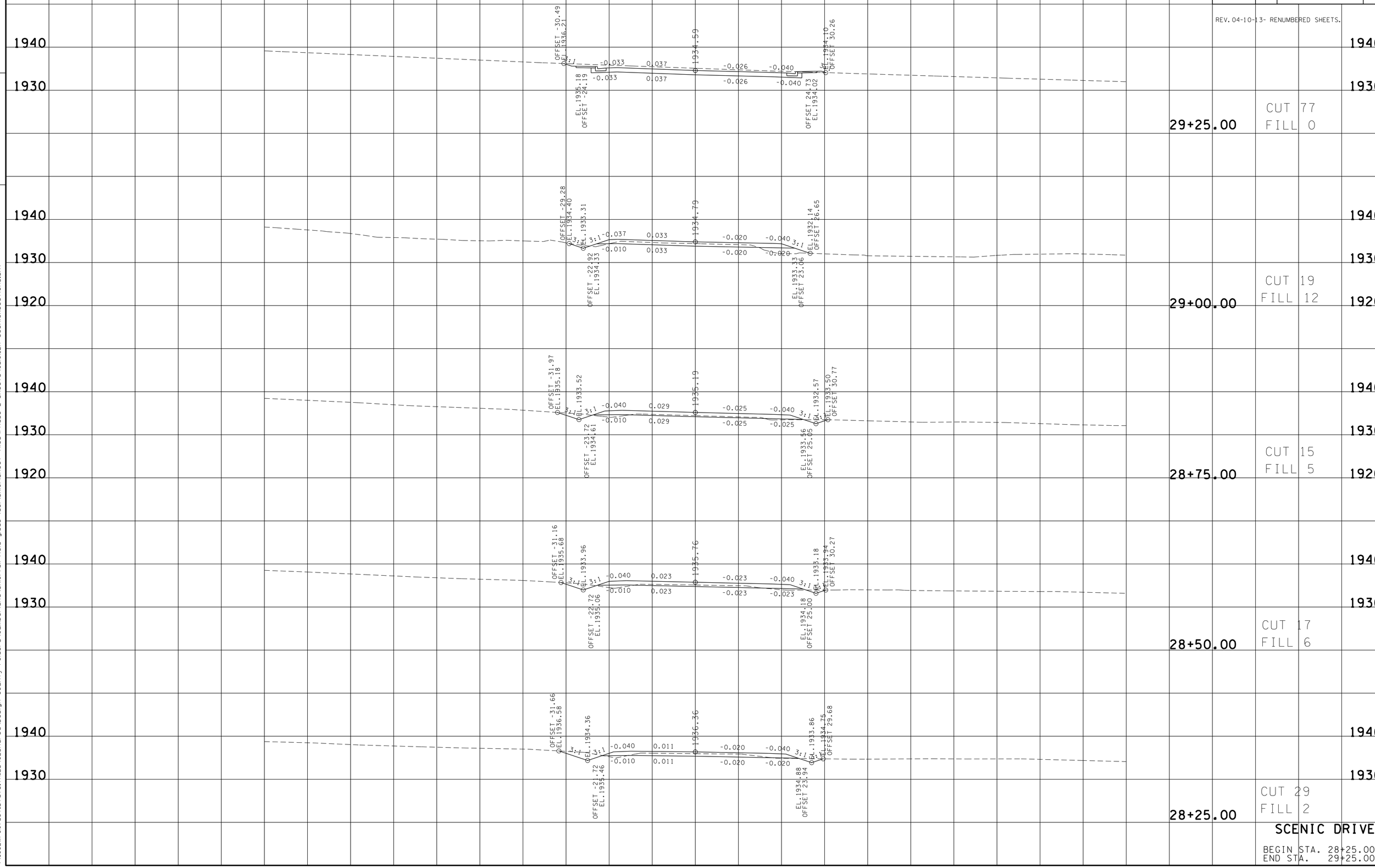
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	218

REV. 04-10-13- RENUMBERED SHEETS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SCENIC DRIVE

BEGIN STA. 28+25.00
END STA. 29+25.00

23-JUN-2016 06:43
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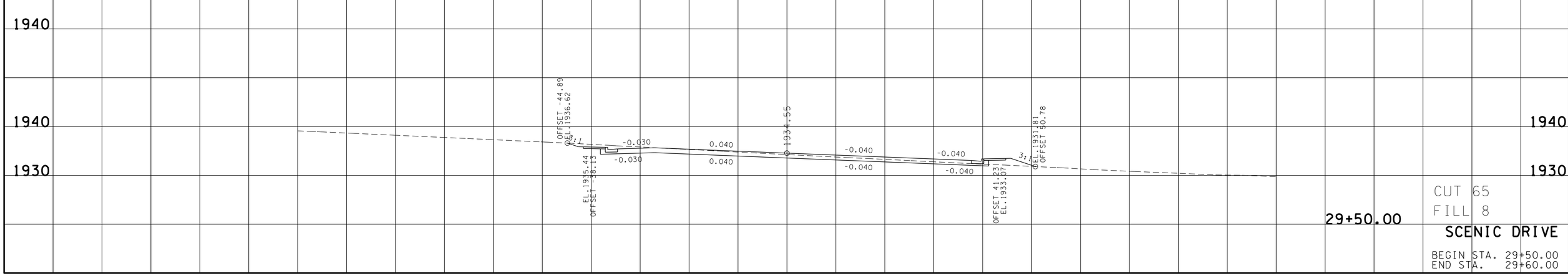
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	219

REV. 04-10-13- RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



CUT 65
FILL 8

SCENIC DRIVE

BEGIN STA. 29+50.00
END STA. 29+60.00

23-JUN-2016 06:43
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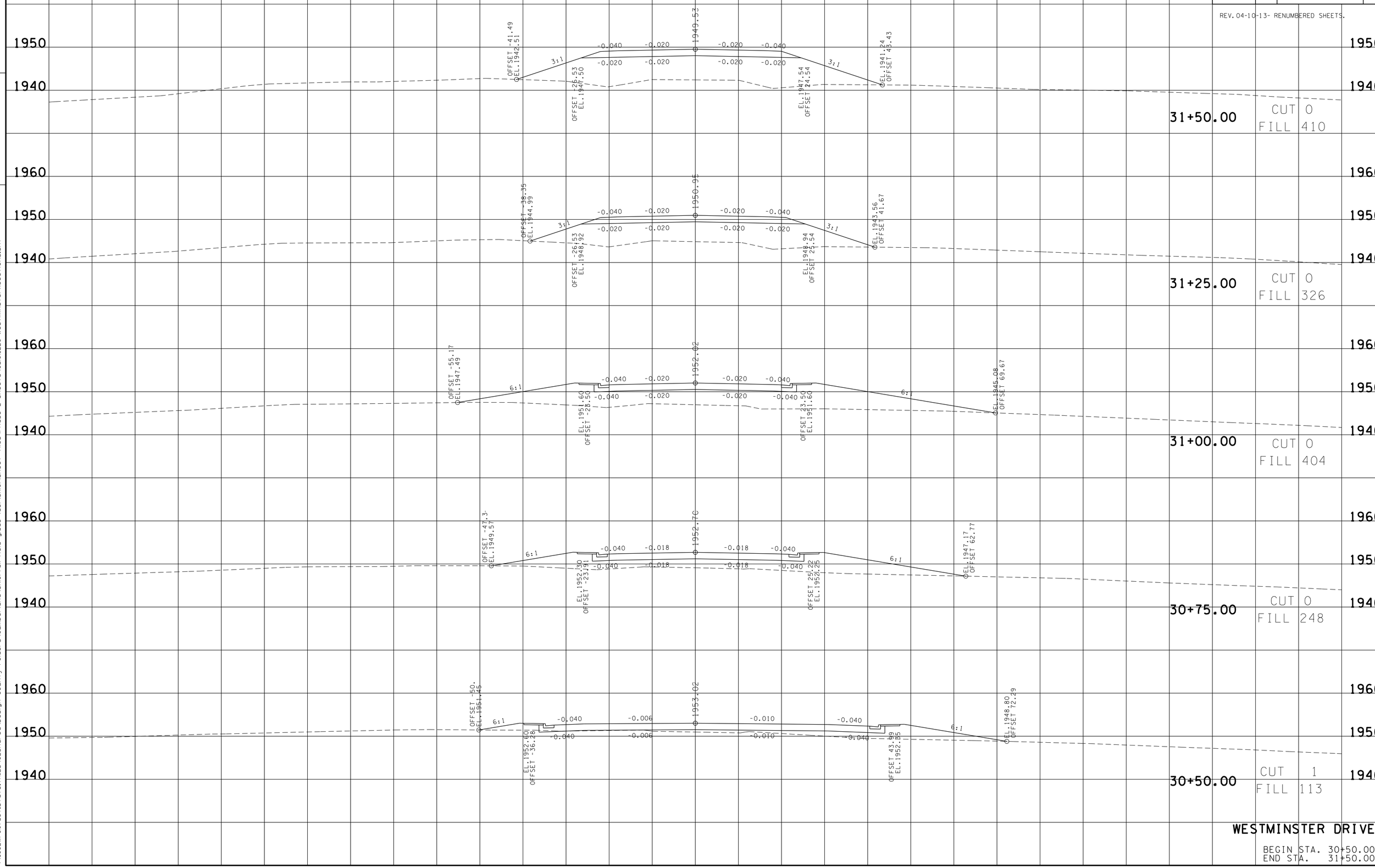
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	220

REV. 04-10-13- RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



WESTMINSTER DRIVE

BEGIN STA. 30+50.00
END STA. 31+50.00

23-JUN-2016 06:45
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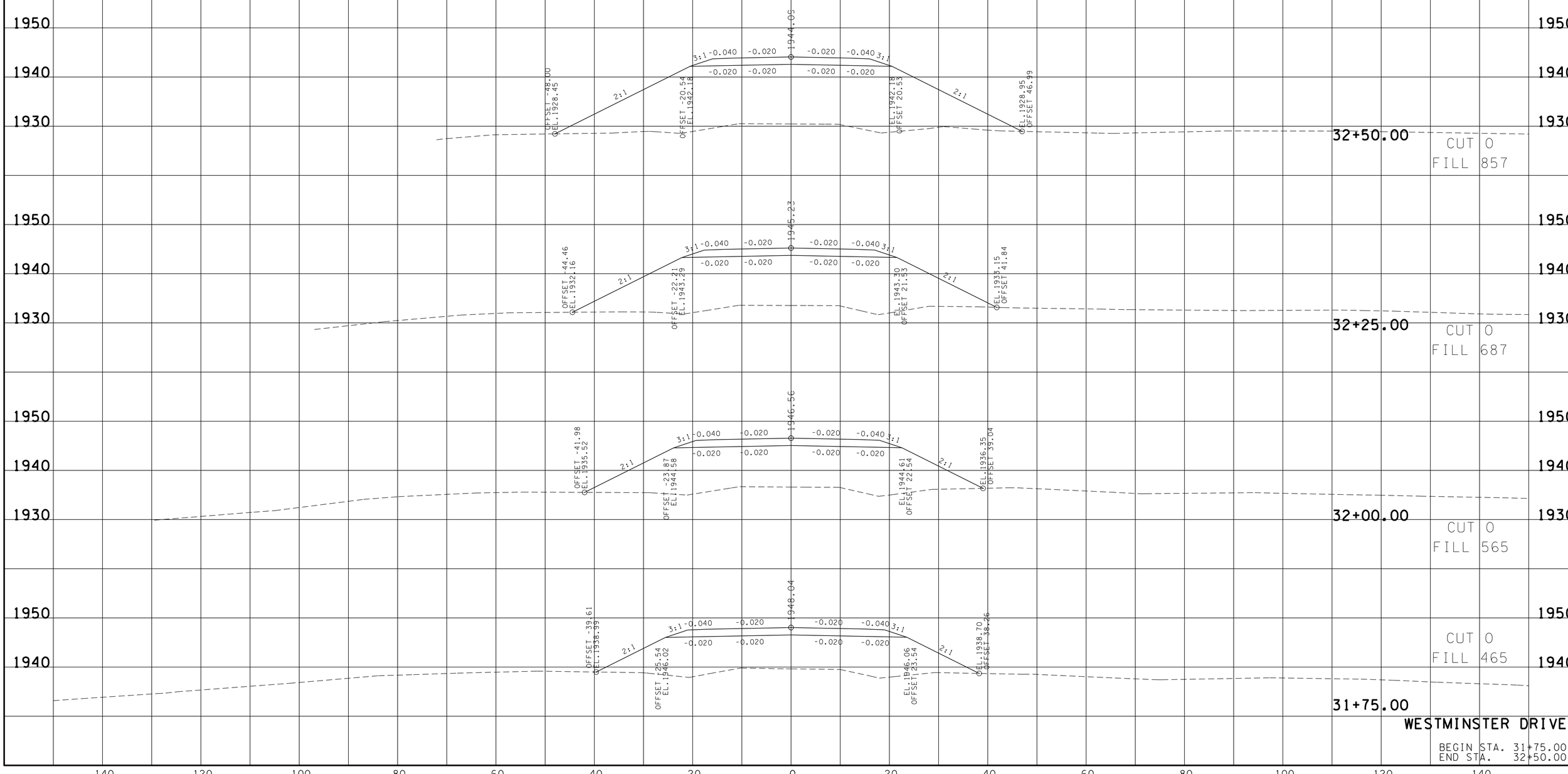
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	221

REV. 04-10-13- RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



WESTMINSTER DRIVE

BEGIN STA. 31+75.00
END STA. 32+50.00

23-JUN-2016 06:45
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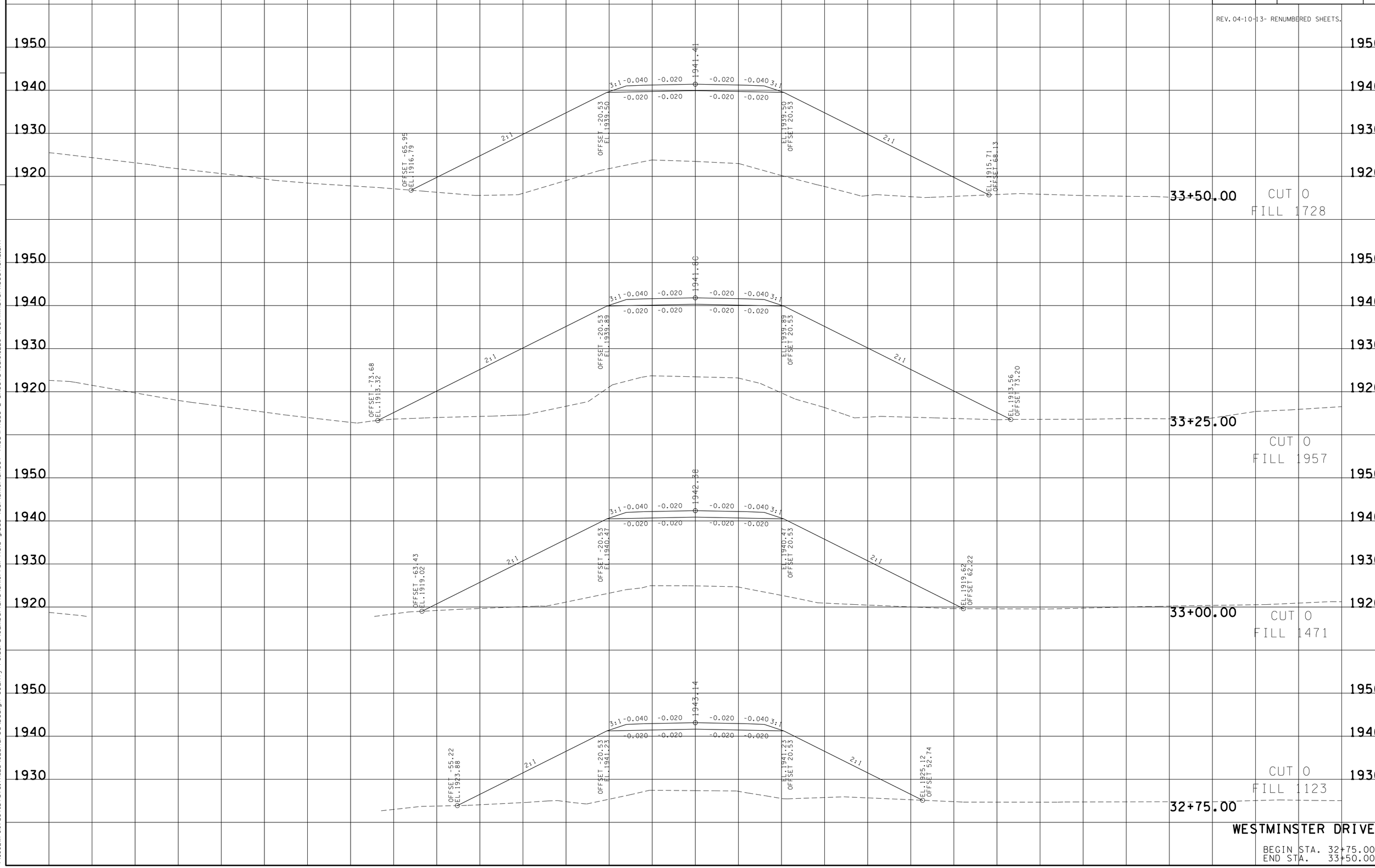
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	222

REV. 04-10-13- RENUMBERED SHEETS.

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



WESTMINSTER DRIVE

BEGIN STA. 32+75.00
END STA. 33+50.00

23-JUN-2016 06:45
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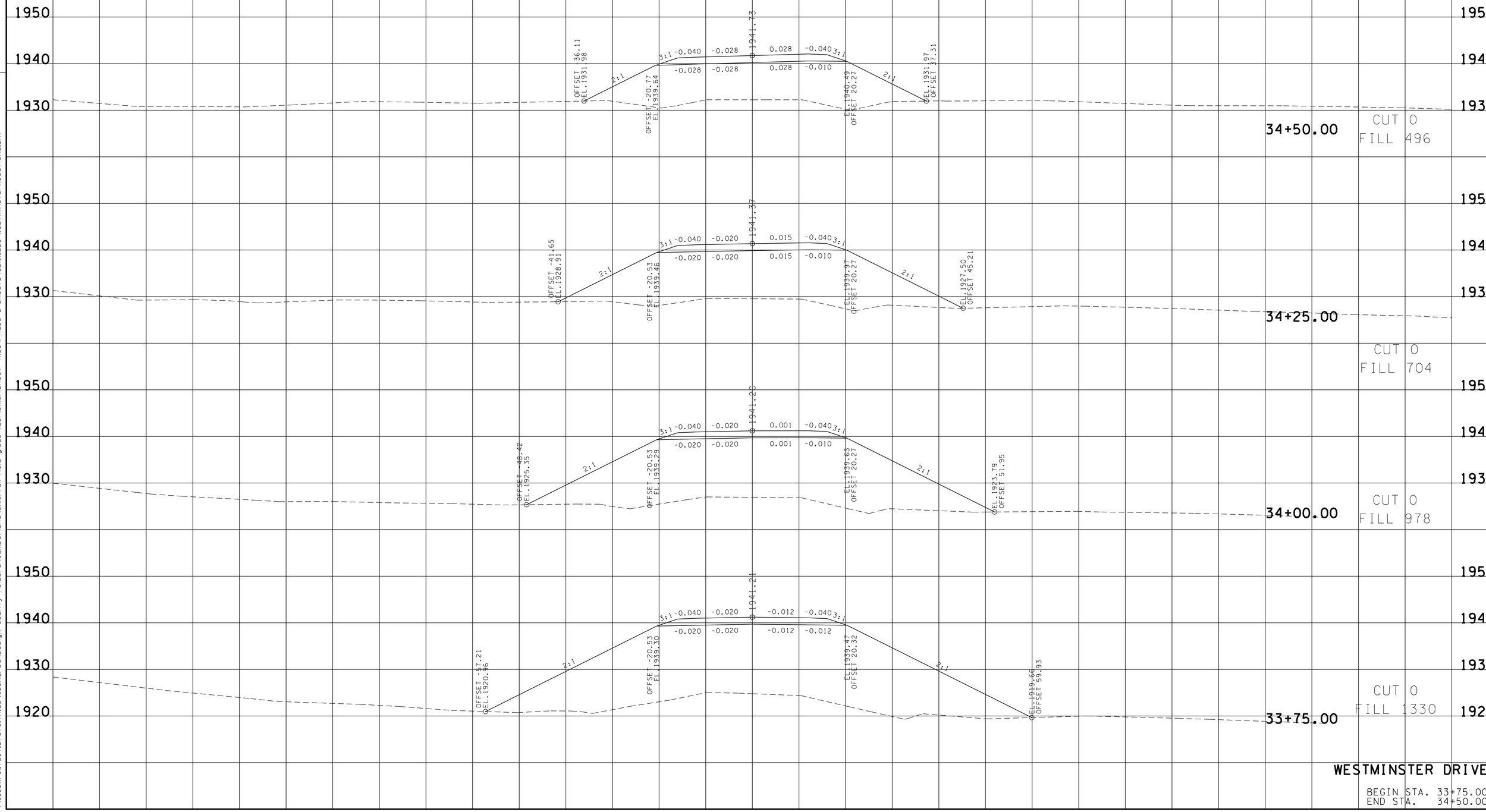
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	223

REV. 04-10-13- RENUMBERED SHEETS.

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



WESTMINSTER DRIVE

BEGIN STA. 33+75.00
END STA. 34+50.00

23-JUN-2016 06:45
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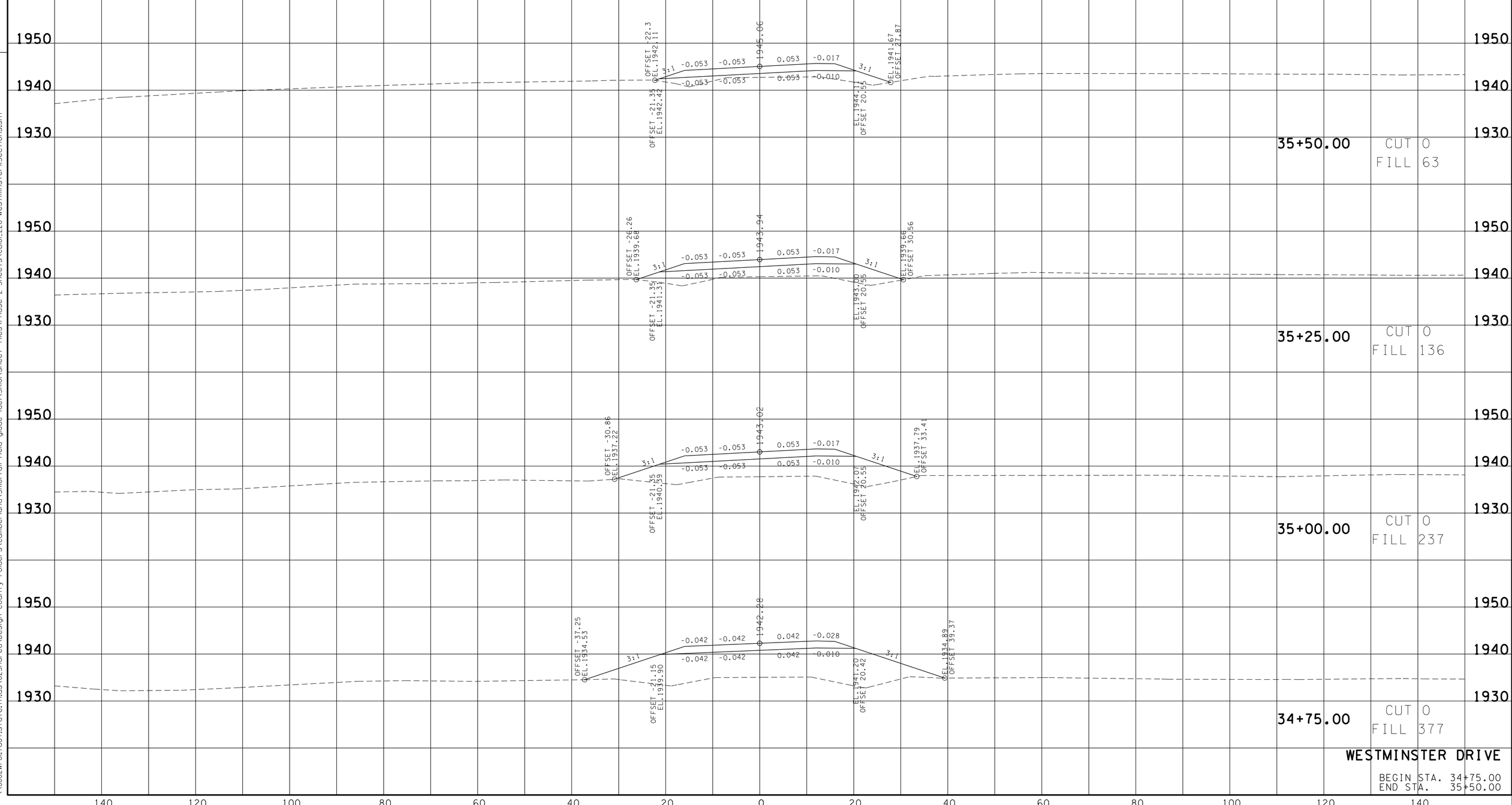
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	224

REV. 04-10-13- RENUMBERED SHEETS.

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



WESTMINSTER DRIVE

BEGIN STA. 34+75.00
END STA. 35+50.00

23-JUN-2016 06:45
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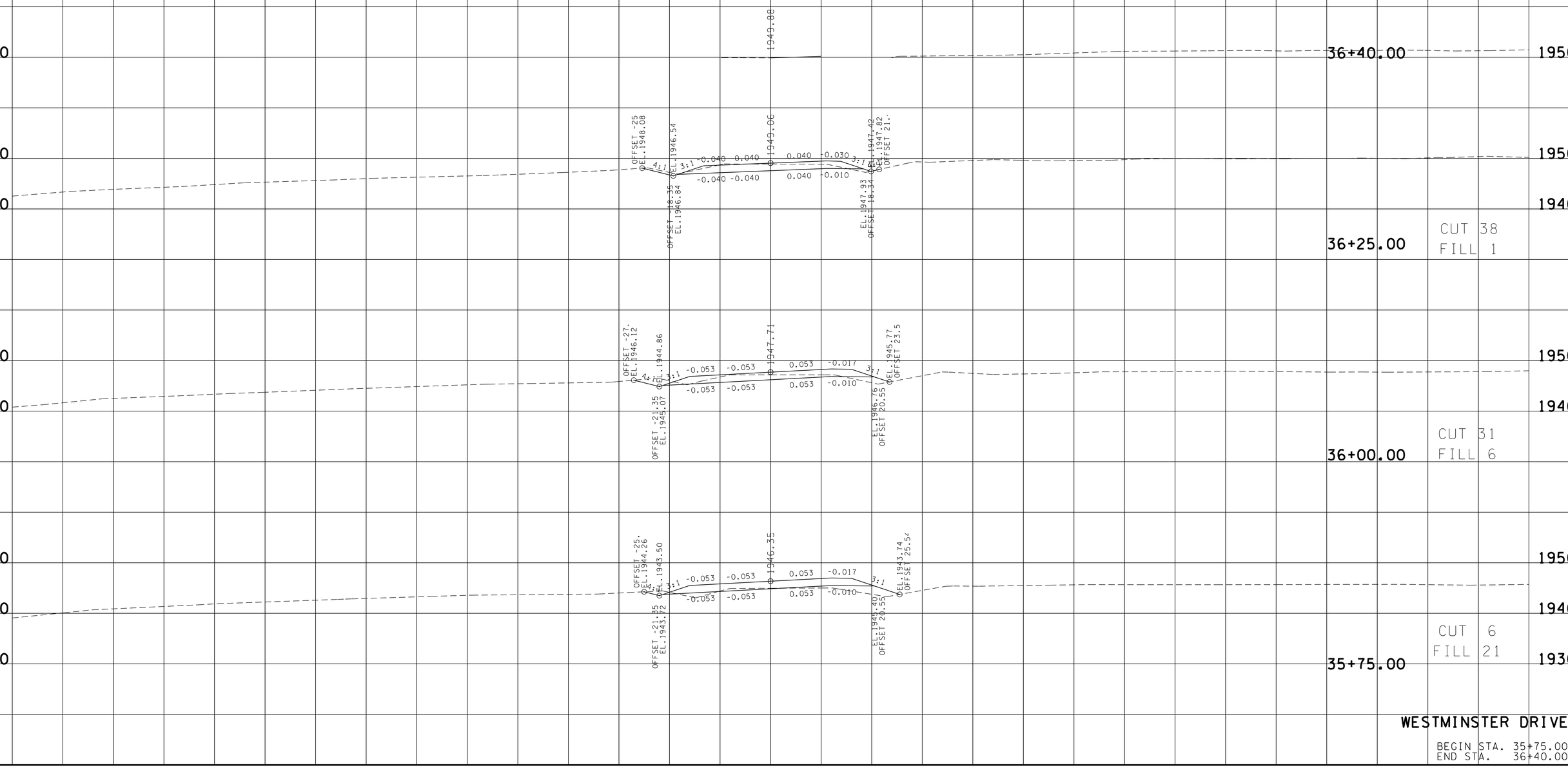
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	225

REV. 04-10-13- RENUMBERED SHEETS.



WESTMINSTER DRIVE

BEGIN STA. 35+75.00
END STA. 36+40.00

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

23-JUN-2016 06:45
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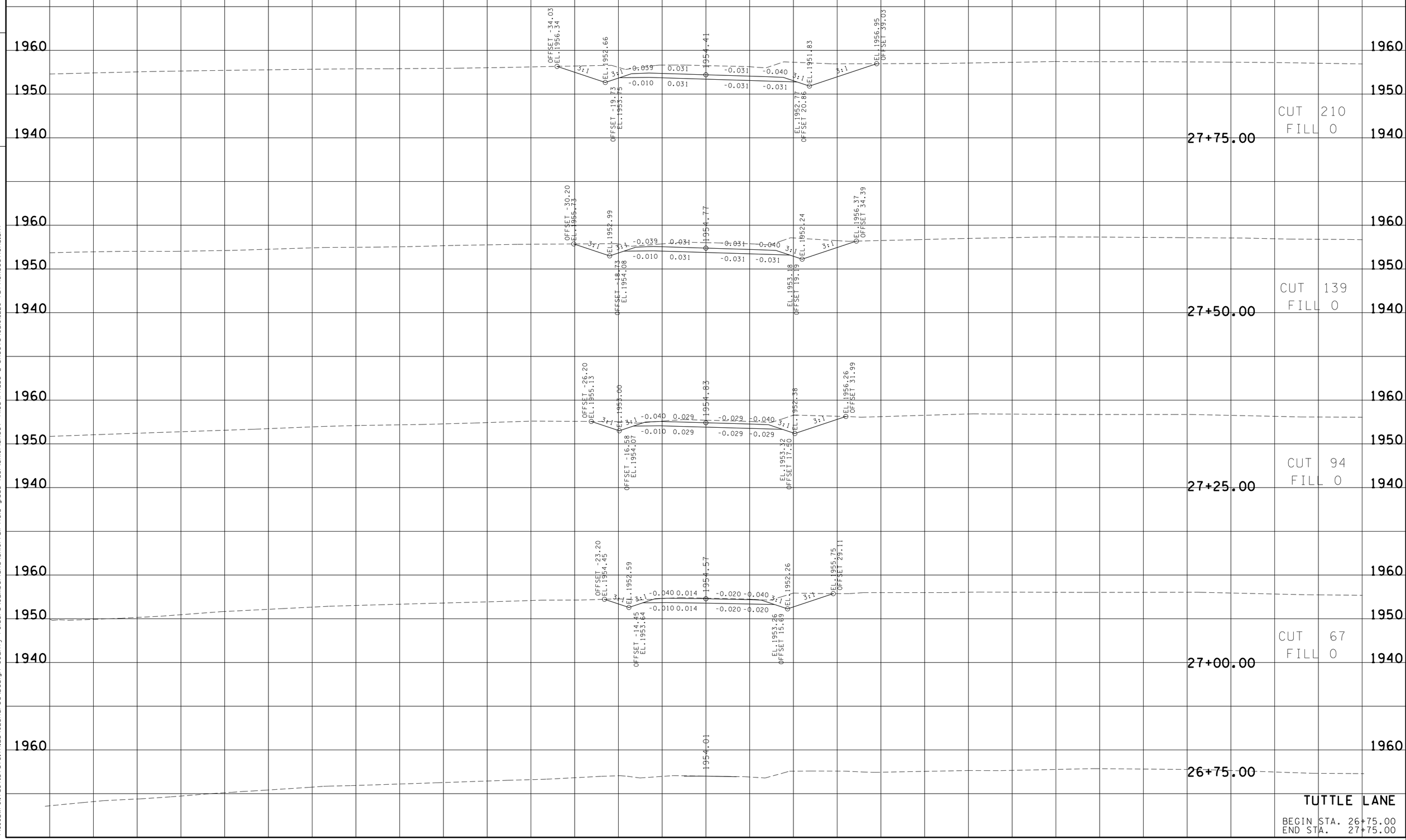
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	226

REV. 04-10-13- RENUMBERED SHEETS.

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



TUTTLE LANE

BEGIN STA. 26+75.00
END STA. 27+75.00

23-JUN-2016 06:48
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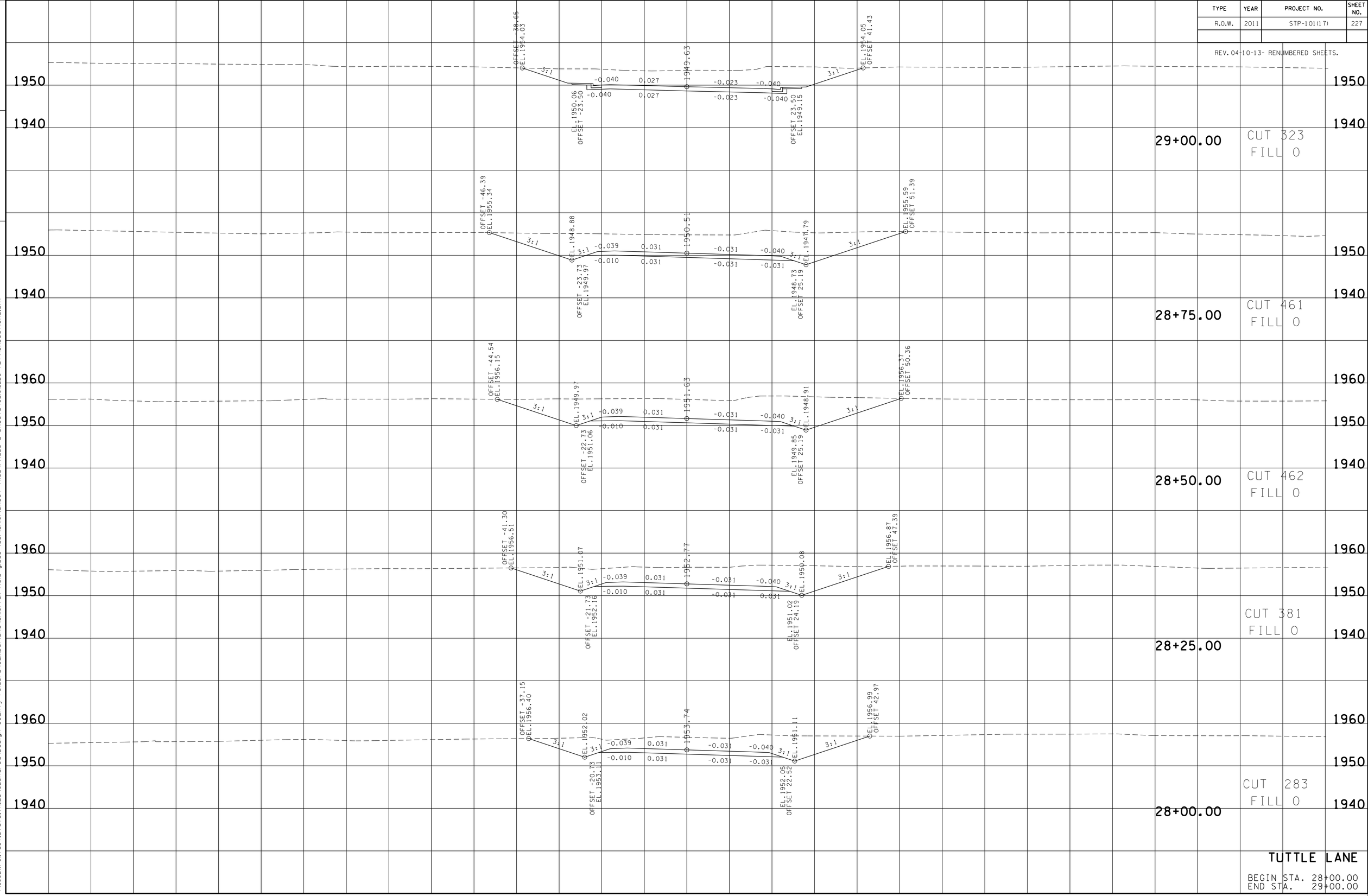
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	227

REV. 04-10-13- RENUMBERED SHEETS.



TUTTLE LANE

BEGIN STA. 28+00.00
END STA. 29+00.00

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

23-JUN-2016 06:48
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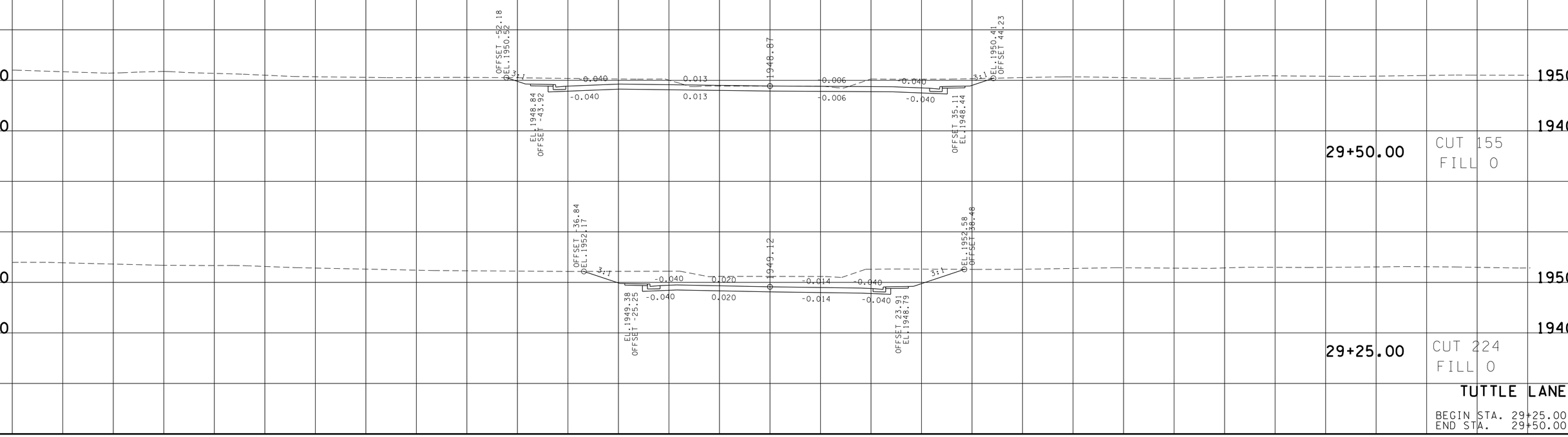
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	228

REV. 04-10-13- RENUMBERED SHEETS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



TUTTLE LANE

BEGIN STA. 29+25.00
END STA. 29+50.00

23-JUN-2016 06:48
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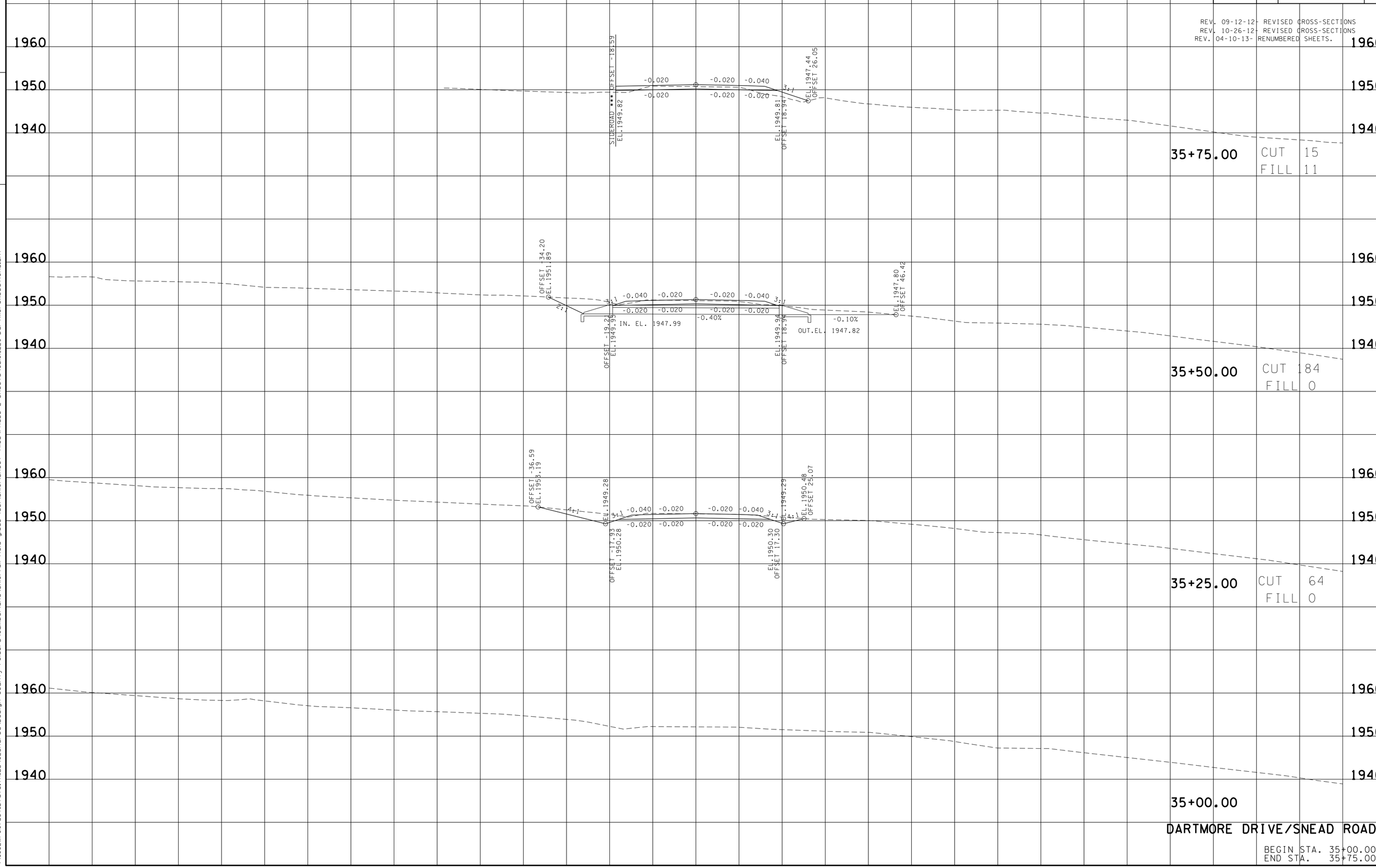
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	229

REV. 09-12-12- REVISED CROSS-SECTIONS
REV. 10-26-12- REVISED CROSS-SECTIONS
REV. 04-10-13- RENUMBERED SHEETS.

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



DARTMORE DRIVE/SNEAD ROAD

BEGIN STA. 35+00.00
END STA. 35+75.00

23-JUN-2016 06:48
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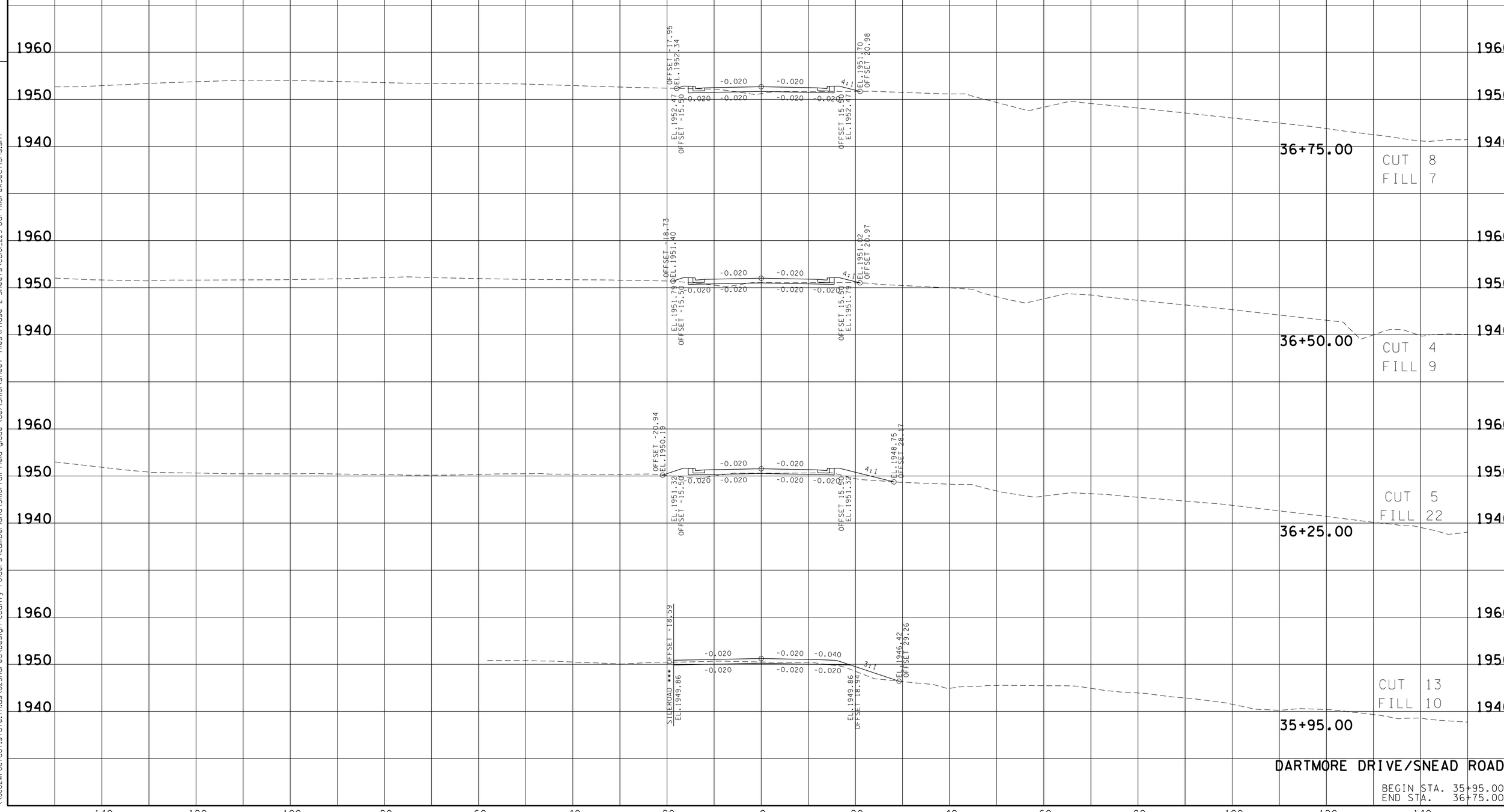
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	230

REV. 09-12-12- REVISED CROSS-SECTIONS
REV. 10-26-12- REVISED CROSS-SECTIONS
REV. 04-10-13- RENUMBERED SHEETS.

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



DARTMORE DRIVE/SNEAD ROAD

BEGIN STA. 35+95.00
END STA. 36+75.00

23-JUN-2016 06:48
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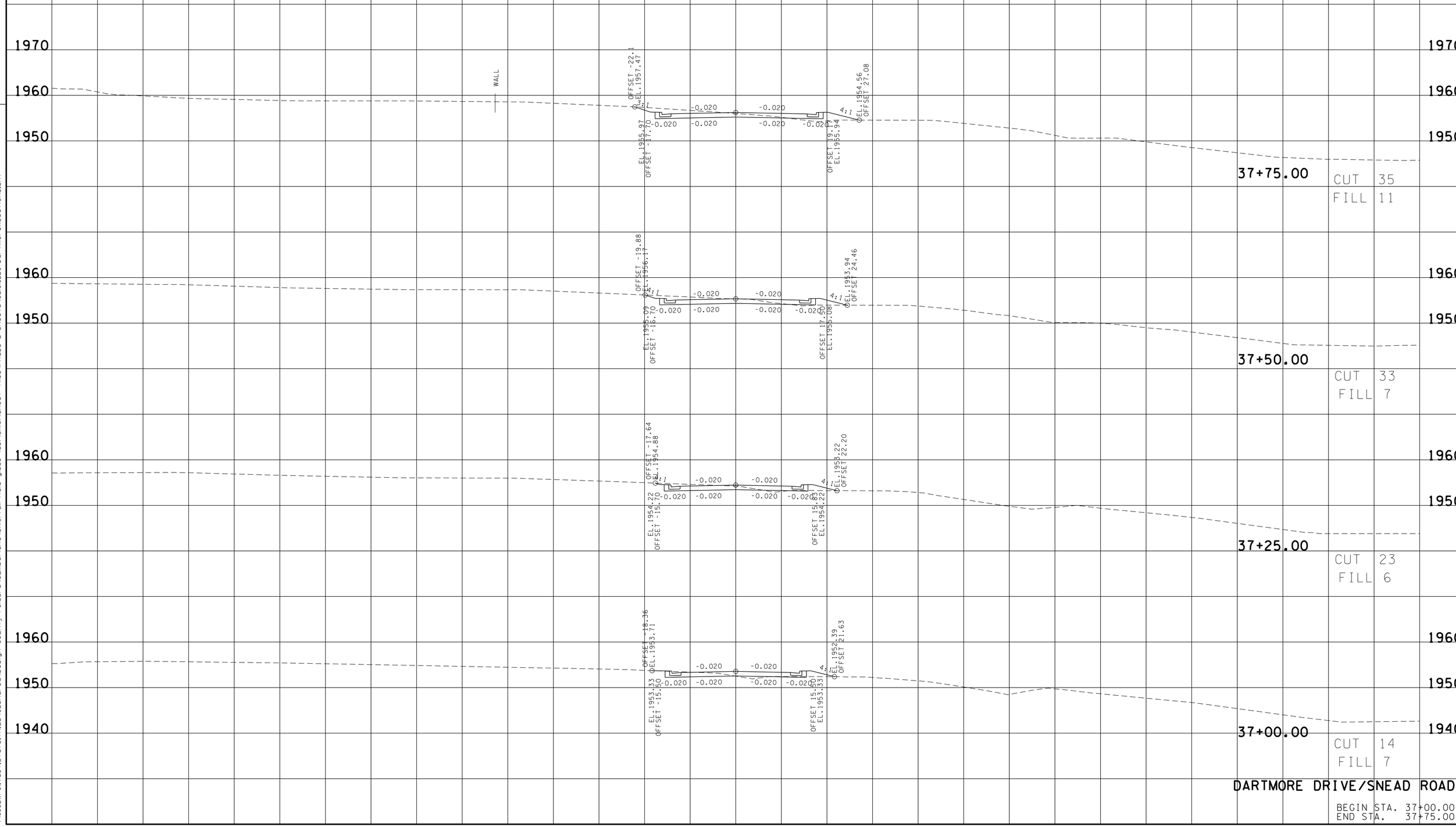
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	231

REV. 09-12-12- REVISED CROSS-SECTIONS
REV. 10-26-12- REVISED CROSS-SECTIONS
REV. 04-10-13- RENUMBERED SHEETS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



DARTMORE DRIVE/SNEAD ROAD

BEGIN STA. 37+00.00
END STA. 37+75.00

23-JUN-2016 06:48
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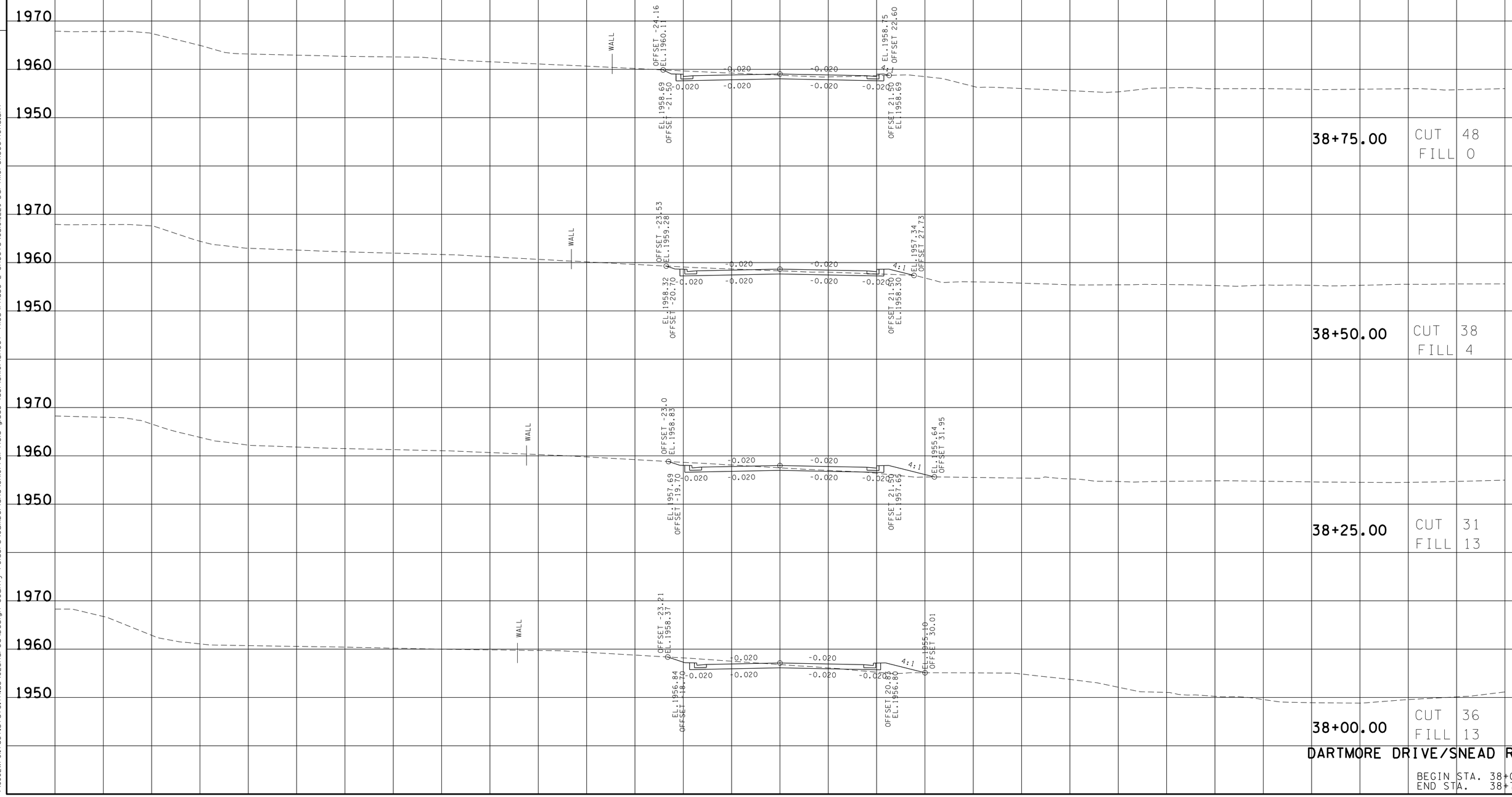
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	232

REV. 09-12-12- REVISED CROSS-SECTIONS
REV. 10-26-12- REVISED CROSS-SECTIONS
REV. 04-10-13- RENUMBERED SHEETS.



DARTMORE DRIVE/SNEAD ROAD

BEGIN STA. 38+00.00
END STA. 38+75.00

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

23-JUN-2016 06:48
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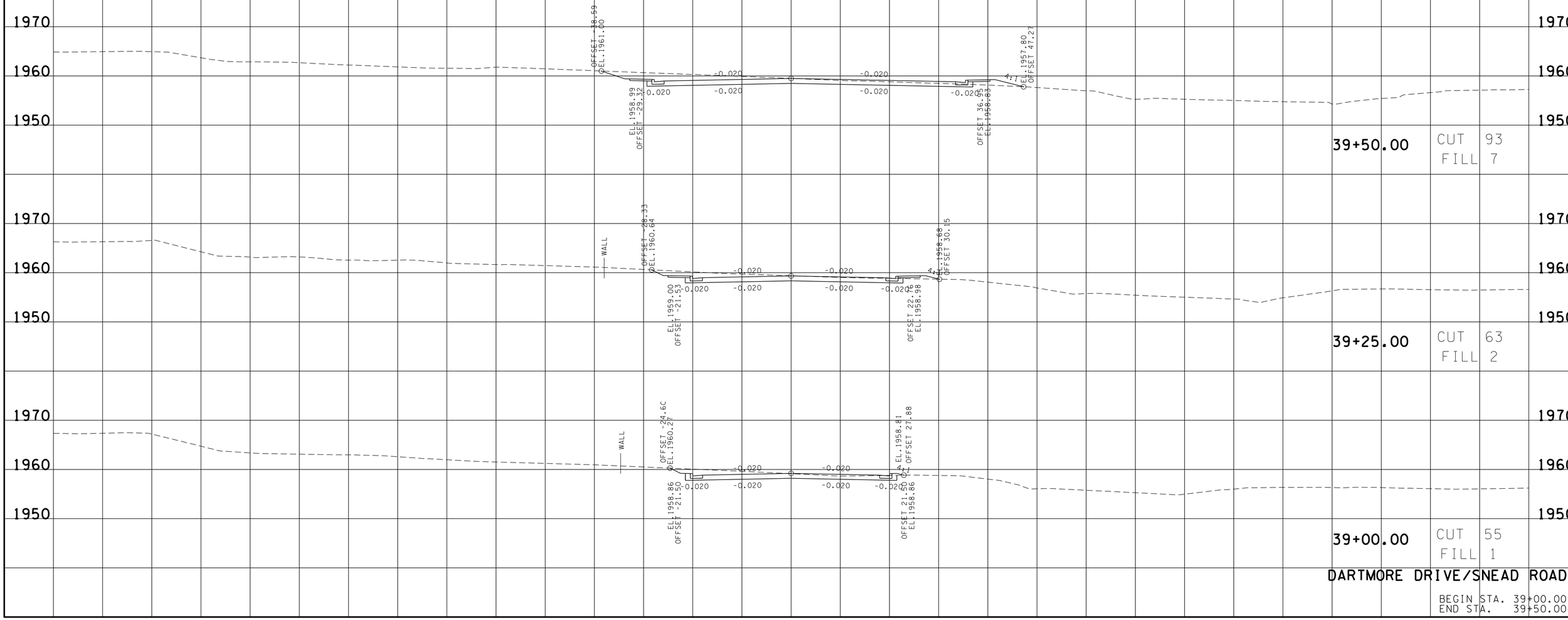
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	233

REV. 09-12-12- REVISED CROSS-SECTIONS
REV. 10-26-12- REVISED CROSS-SECTIONS
REV. 04-10-13- RENUMBERED SHEETS.

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



DARTMORE DRIVE/SNEAD ROAD

BEGIN STA. 39+00.00
END STA. 39+50.00

23-JUN-2016 06:48
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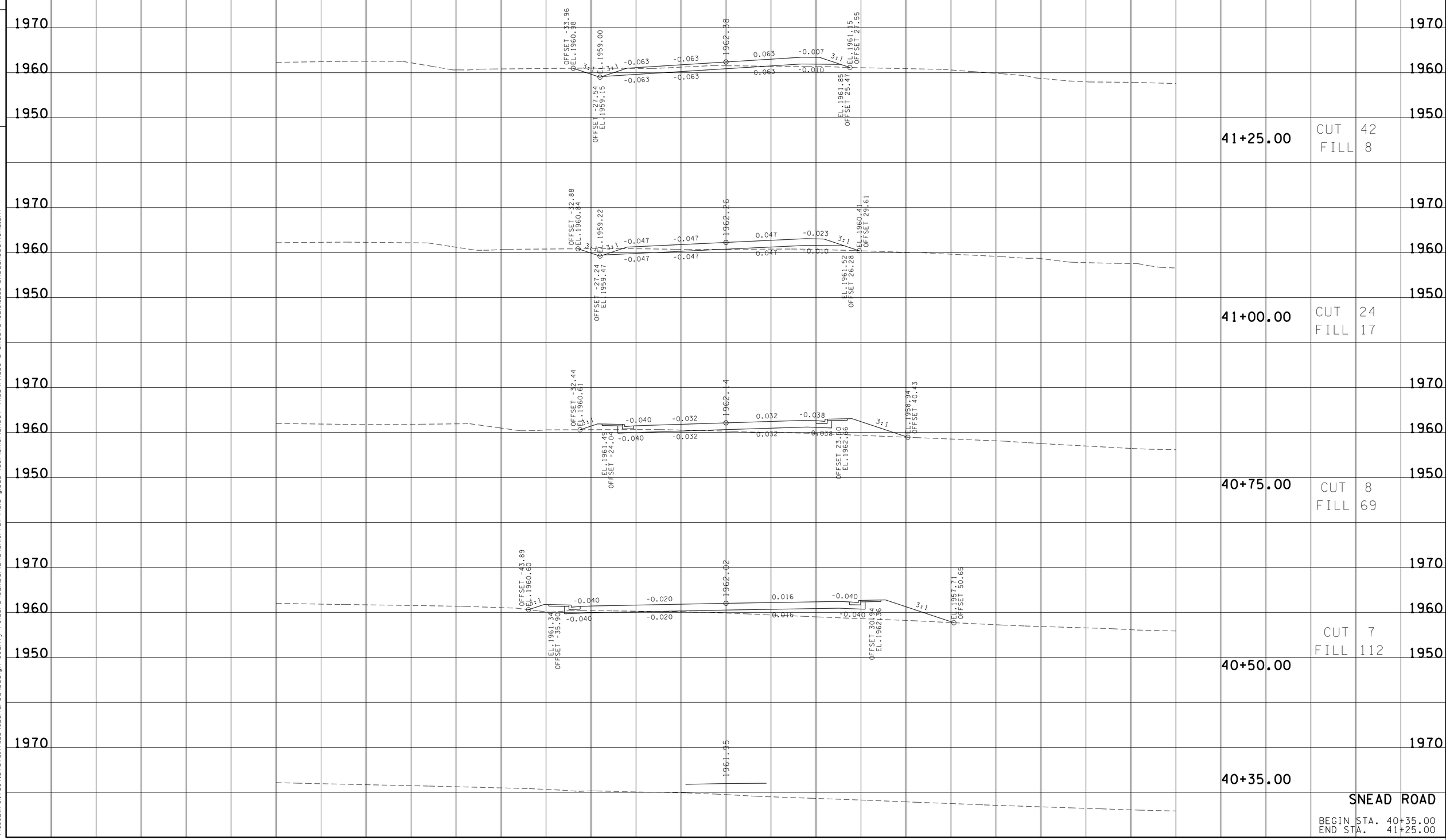
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	234

REV. 04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SNEAD ROAD

BEGIN STA. 40+35.00
END STA. 41+25.00

23-JUN-2016 06:51
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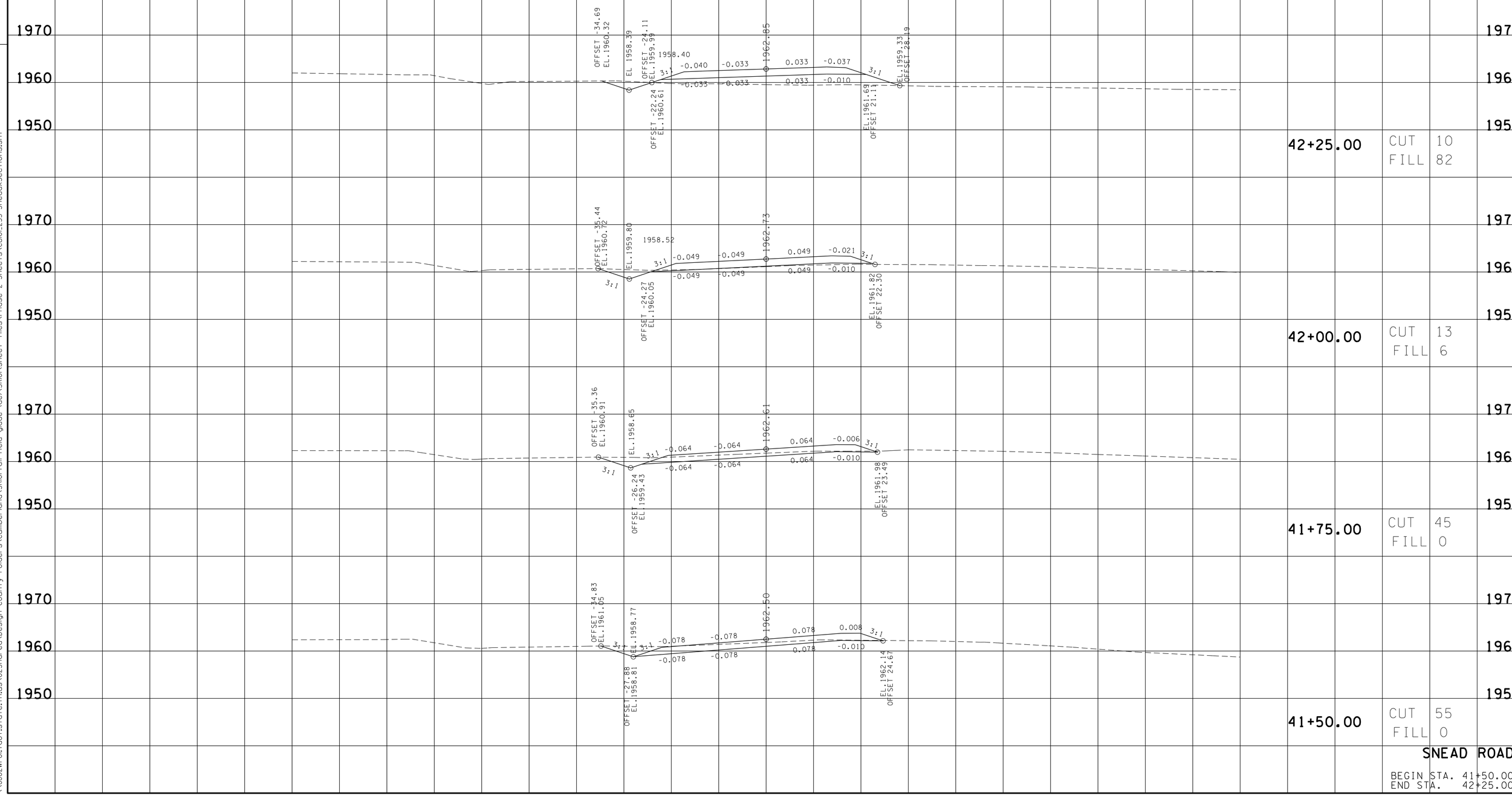
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	235

REV. 04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SNEAD ROAD

BEGIN STA. 41+50.00
END STA. 42+25.00

23-JUN-2016 06:52
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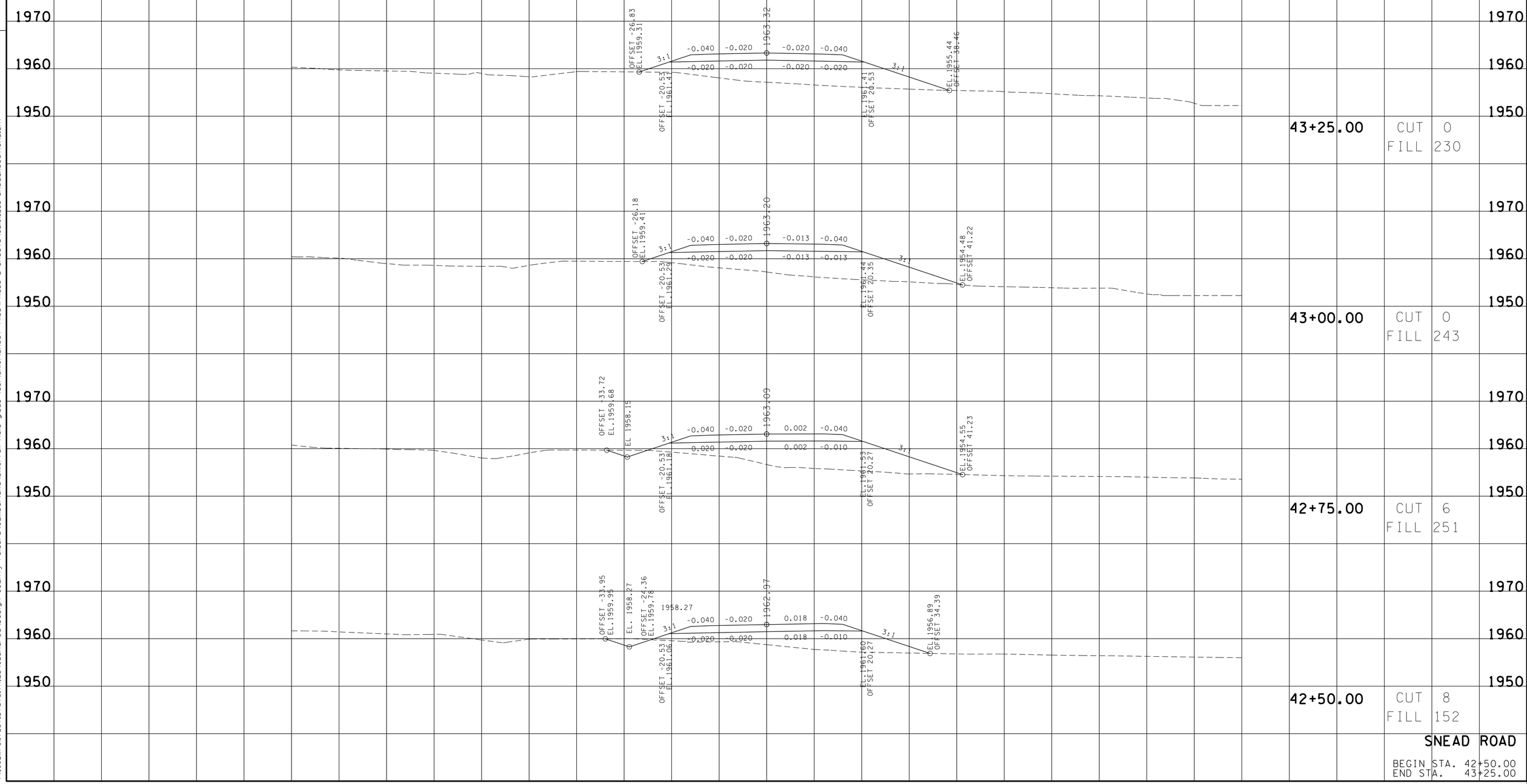
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	236

REV. 04-10-13-RENUMBERED SHEETS.

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



SNEAD ROAD

BEGIN STA. 42+50.00
END STA. 43+25.00

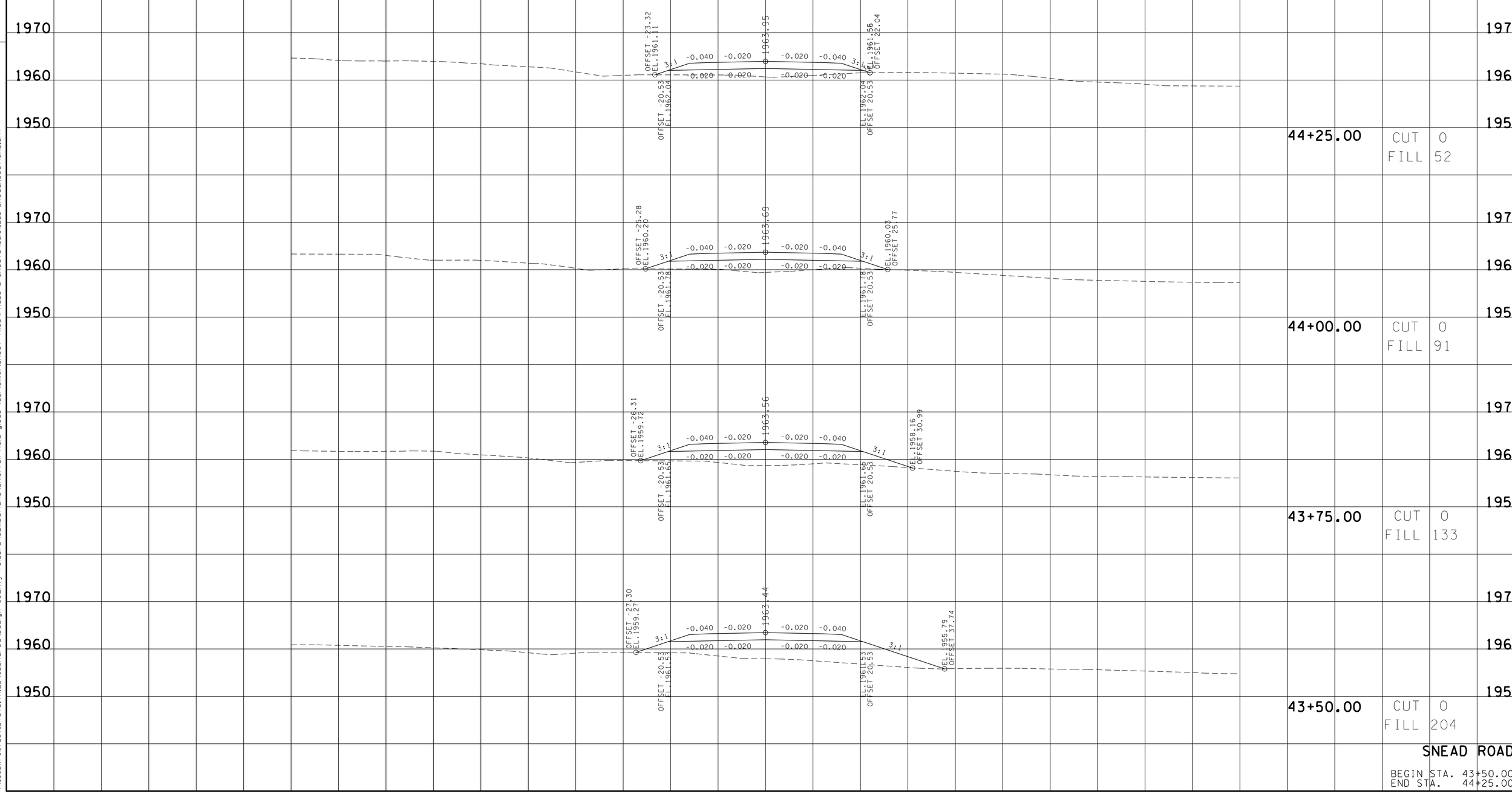
23-JUN-2016 06:52
\\JU02WF01.tdot.state.tn.us\02Shared\Design County Folders\Cumberland\SR101 fair-field glade (de)\SR101\sheet files\Phase 2 Sheets\CU101_233-SneadXSections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	237

REV. 04-10-13-RENUMBERED SHEETS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SNEAD ROAD

BEGIN STA. 43+50.00
END STA. 44+25.00

23-JUN-2016 06:52
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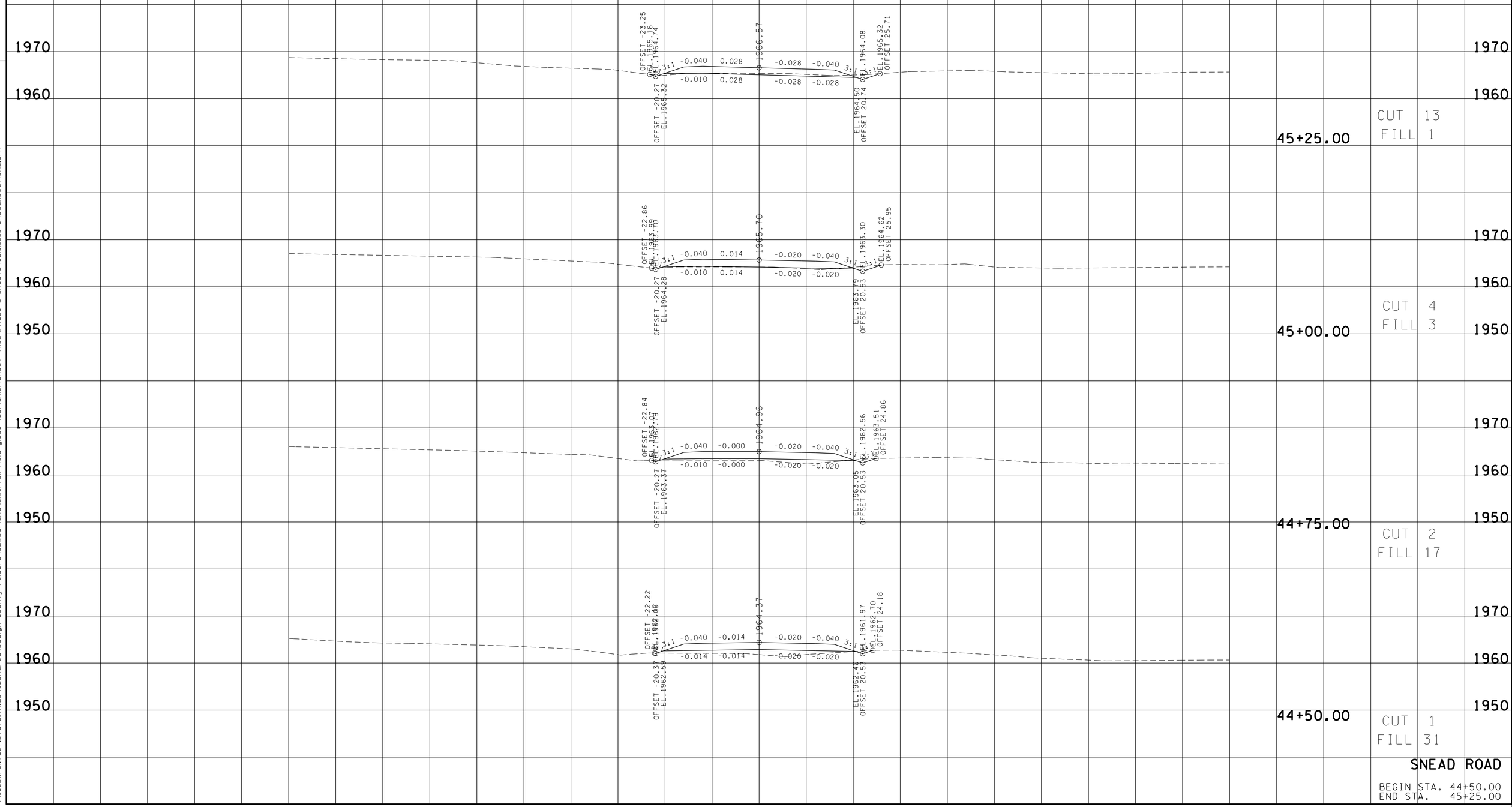
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	238

REV. 04-10-13-RENUMBERED SHEETS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SNEAD ROAD

BEGIN STA. 44+50.00
END STA. 45+25.00

23-JUN-2016 06:52
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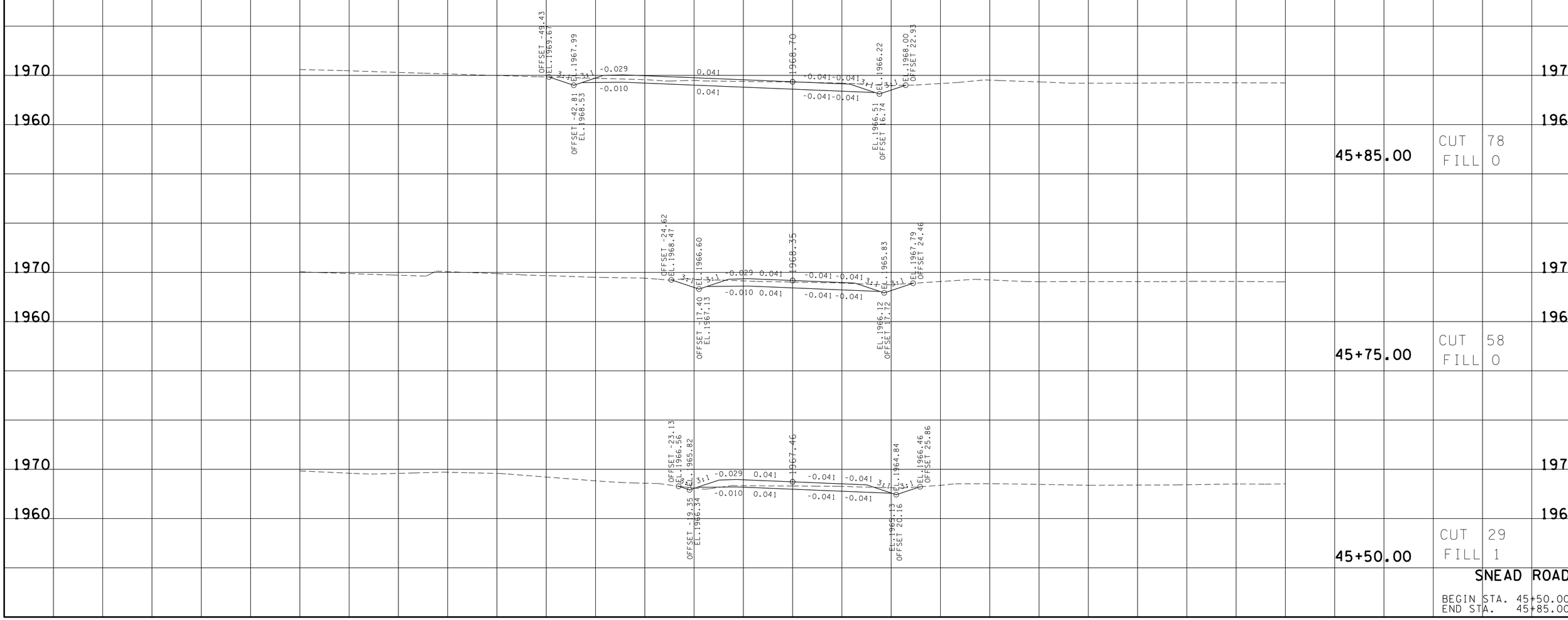
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	239

REV. 04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SNEAD ROAD

BEGIN STA. 45+50.00
END STA. 45+85.00

23-JUN-2016 06:52
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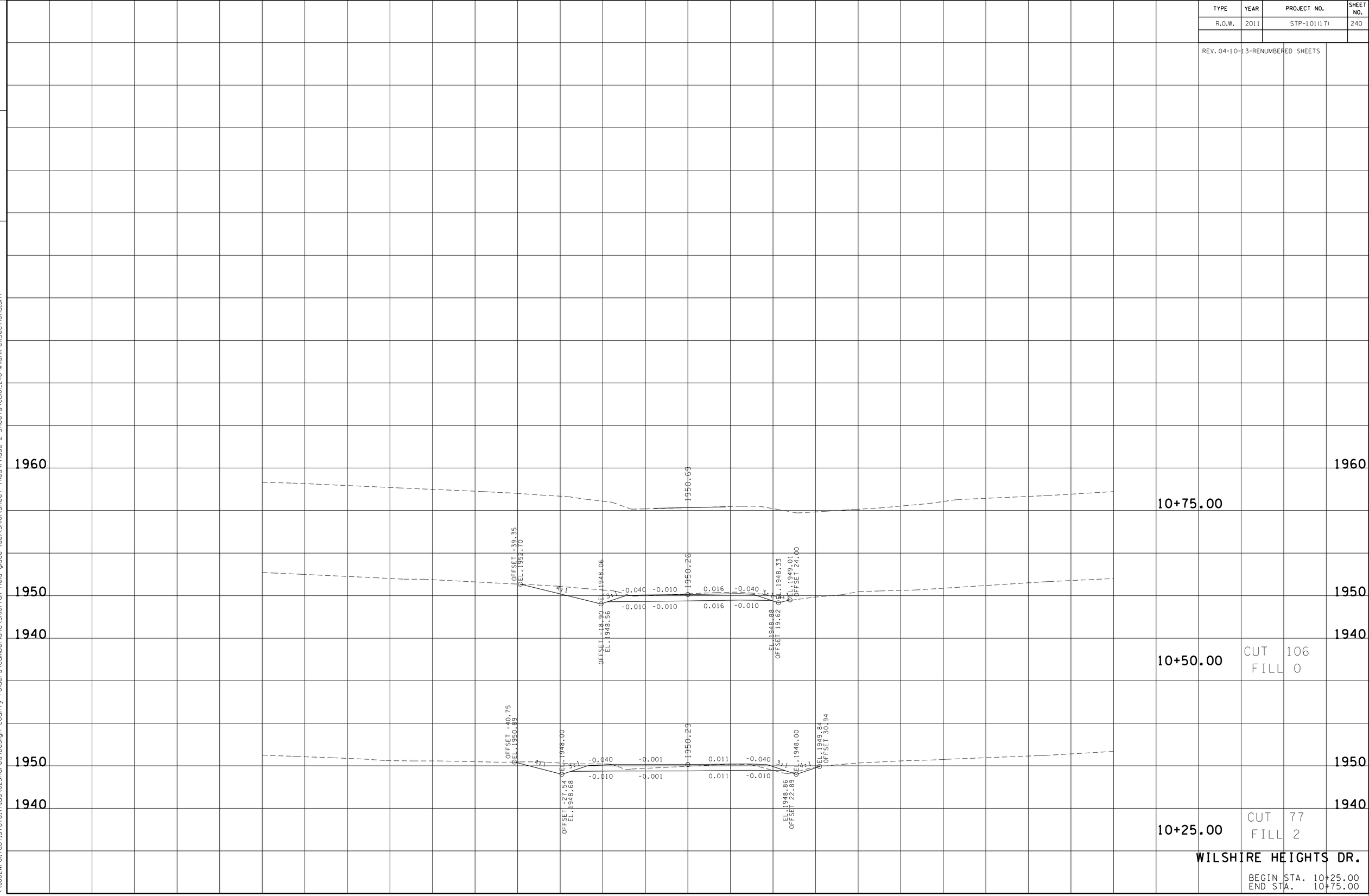
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	240

REV. 04-10-13-RENUMBERED SHEETS

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



WILSHIRE HEIGHTS DR.

BEGIN STA. 10+25.00
END STA. 10+75.00

23-JUN-2016 06:55
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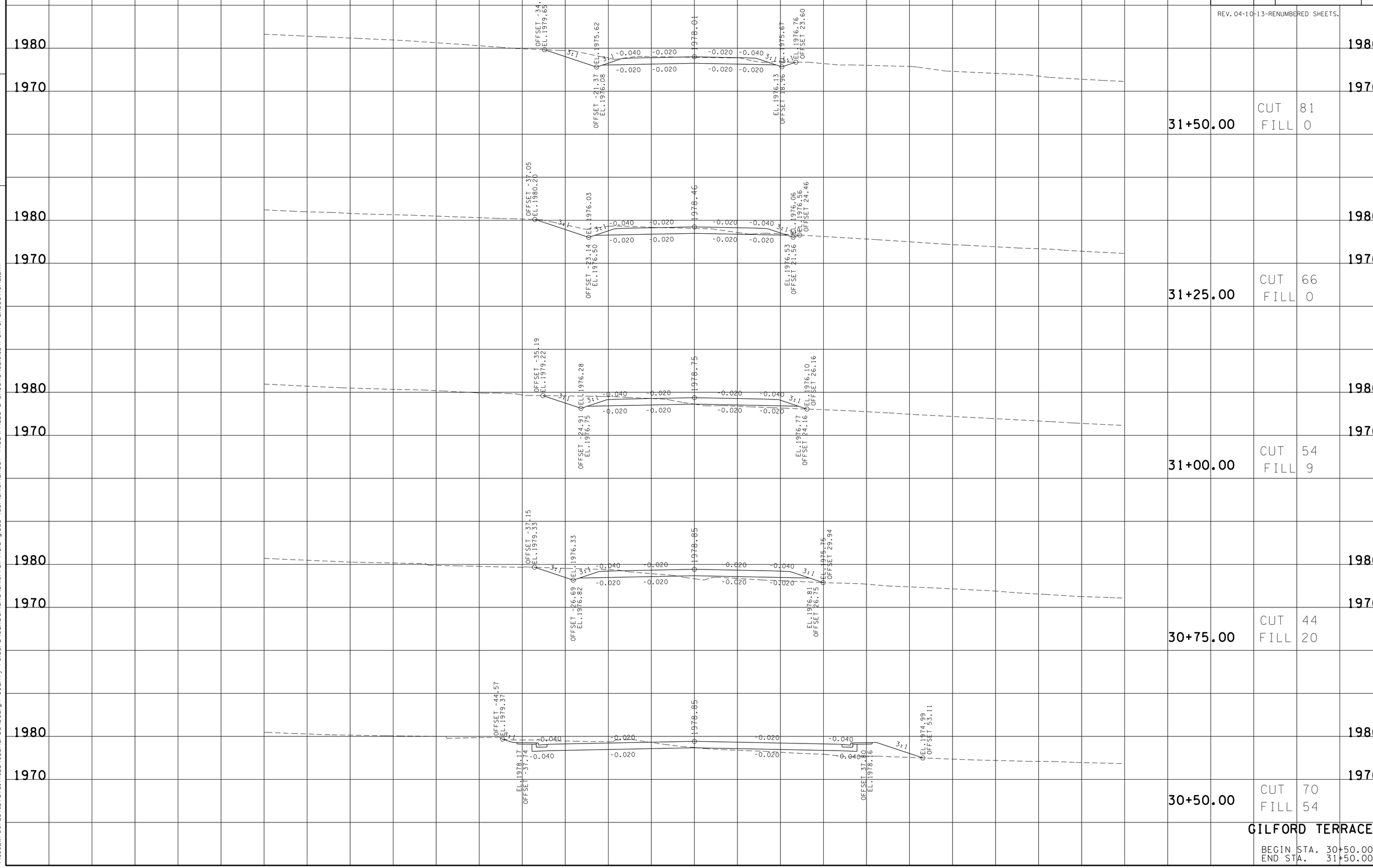
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	241

REV. 04-10-13-RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



GILFORD TERRACE

BEGIN STA. 30+50.00
END STA. 31+50.00

23-JUN-2016 06:55
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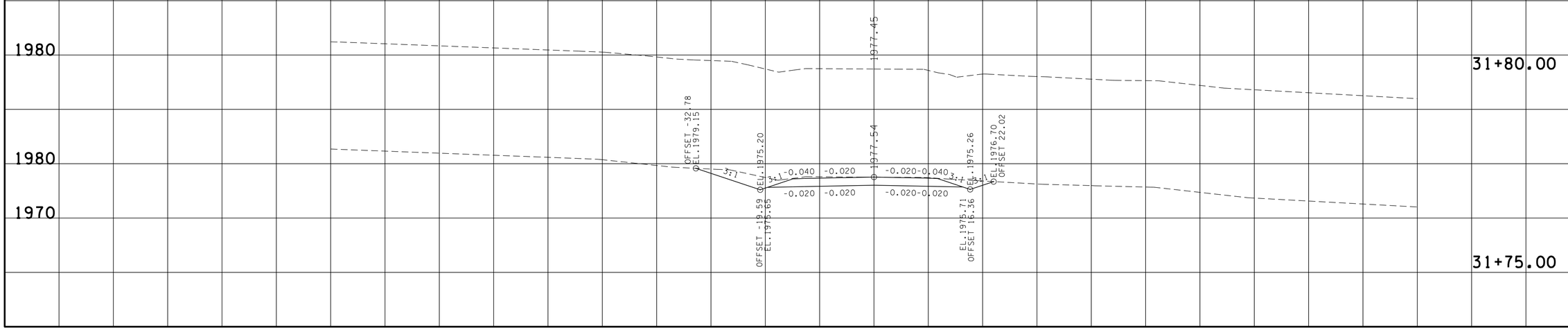
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	242

REV. 04-10-13-RENUMBERED SHEETS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CUT 82
FILL 0

GILFORD TERRACE

BEGIN STA. 31+75.00
END STA. 31+80.00

23-JUN-2016 06:55
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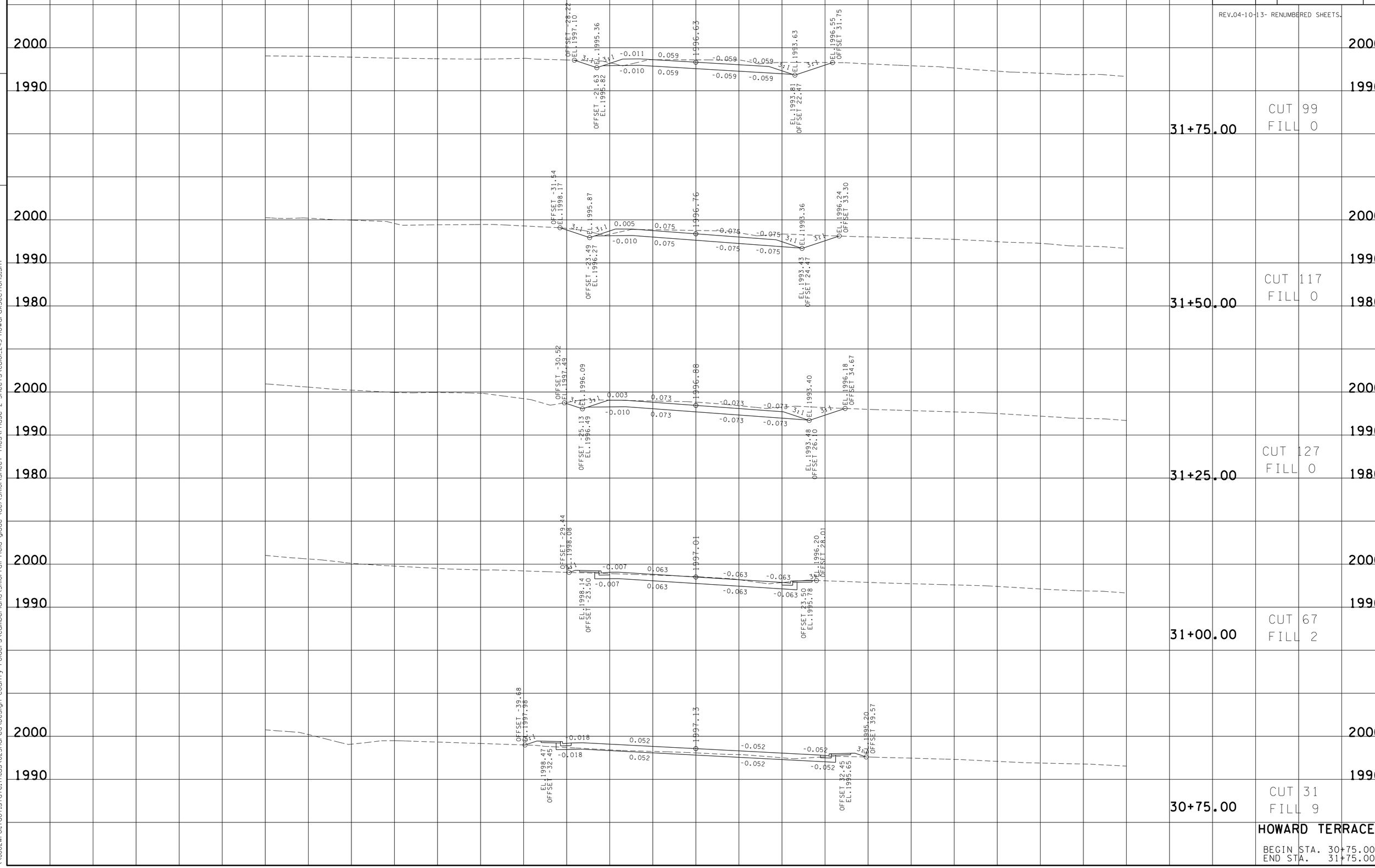
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	243

REV.04-10-13- RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



HOWARD TERRACE

BEGIN STA. 30+75.00
END STA. 31+75.00

23-JUN-2016 06:57
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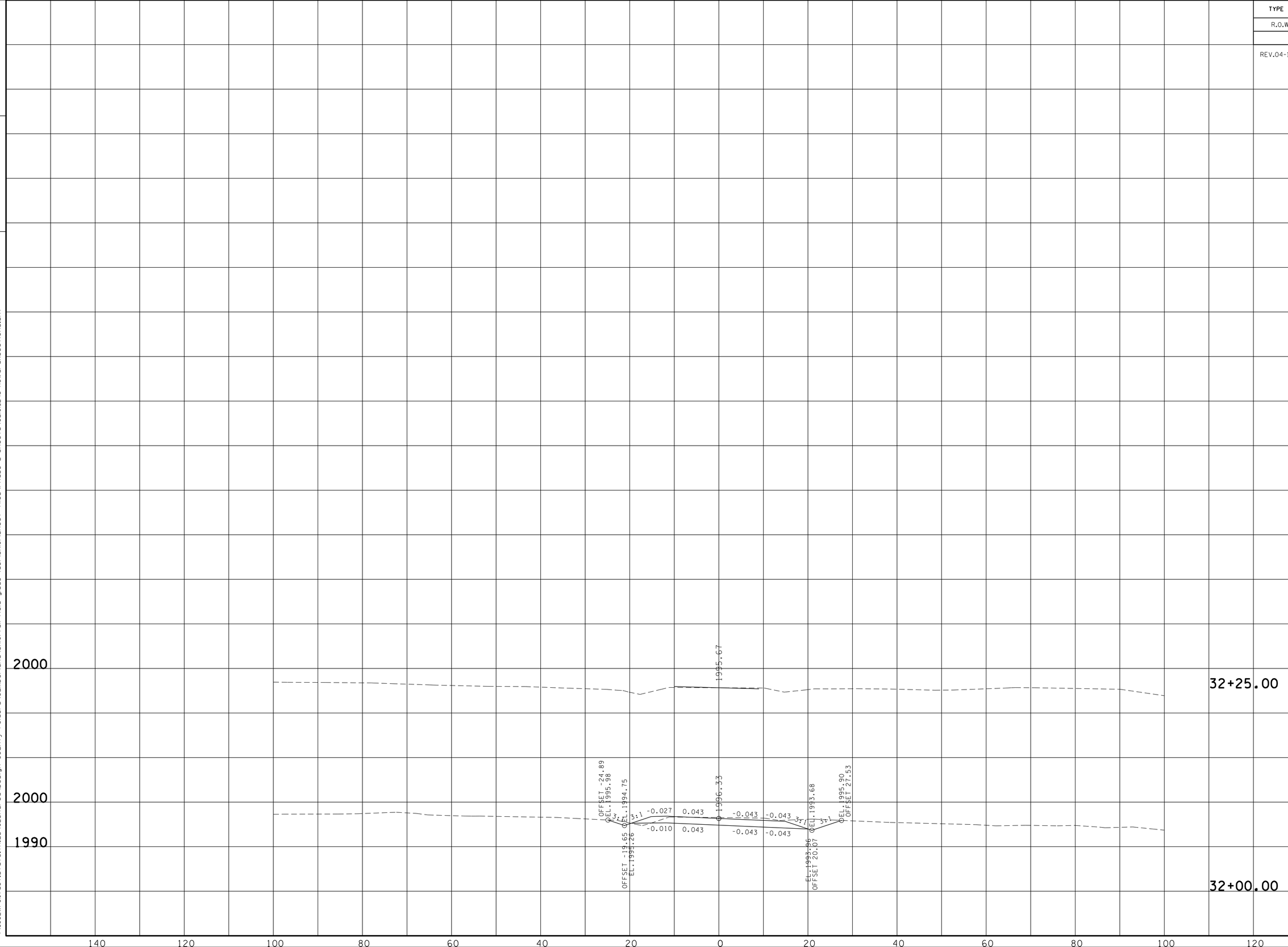
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	244

REV.04-10-13- RENUMBERED SHEETS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



CUT 70
FILL 1

HOWARD TERRACE

BEGIN STA. 32+00.00
END STA. 32+25.00

23-JUN-2016 06:57
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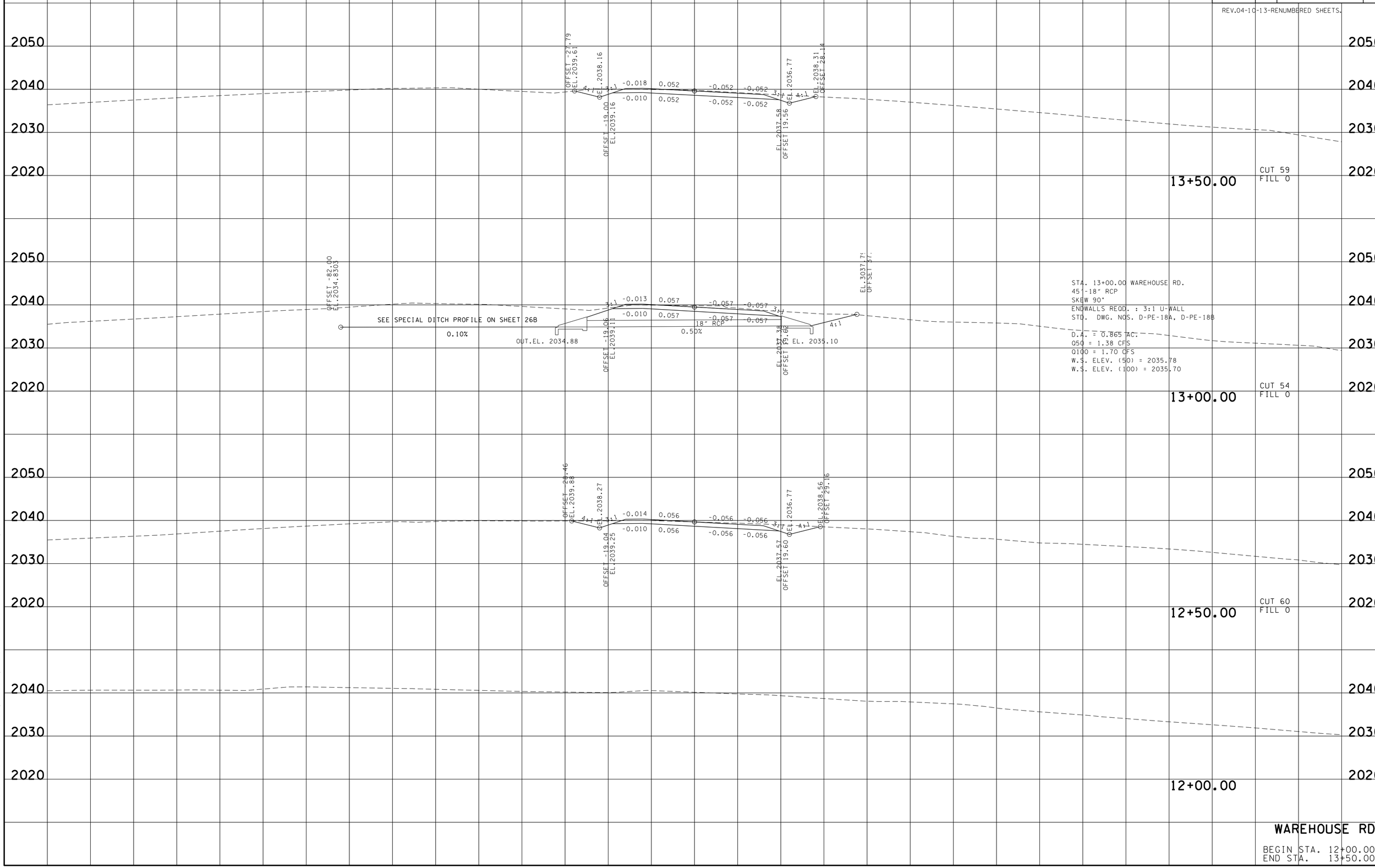
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	245

REV.04-10-13-RENUMBERED SHEETS.



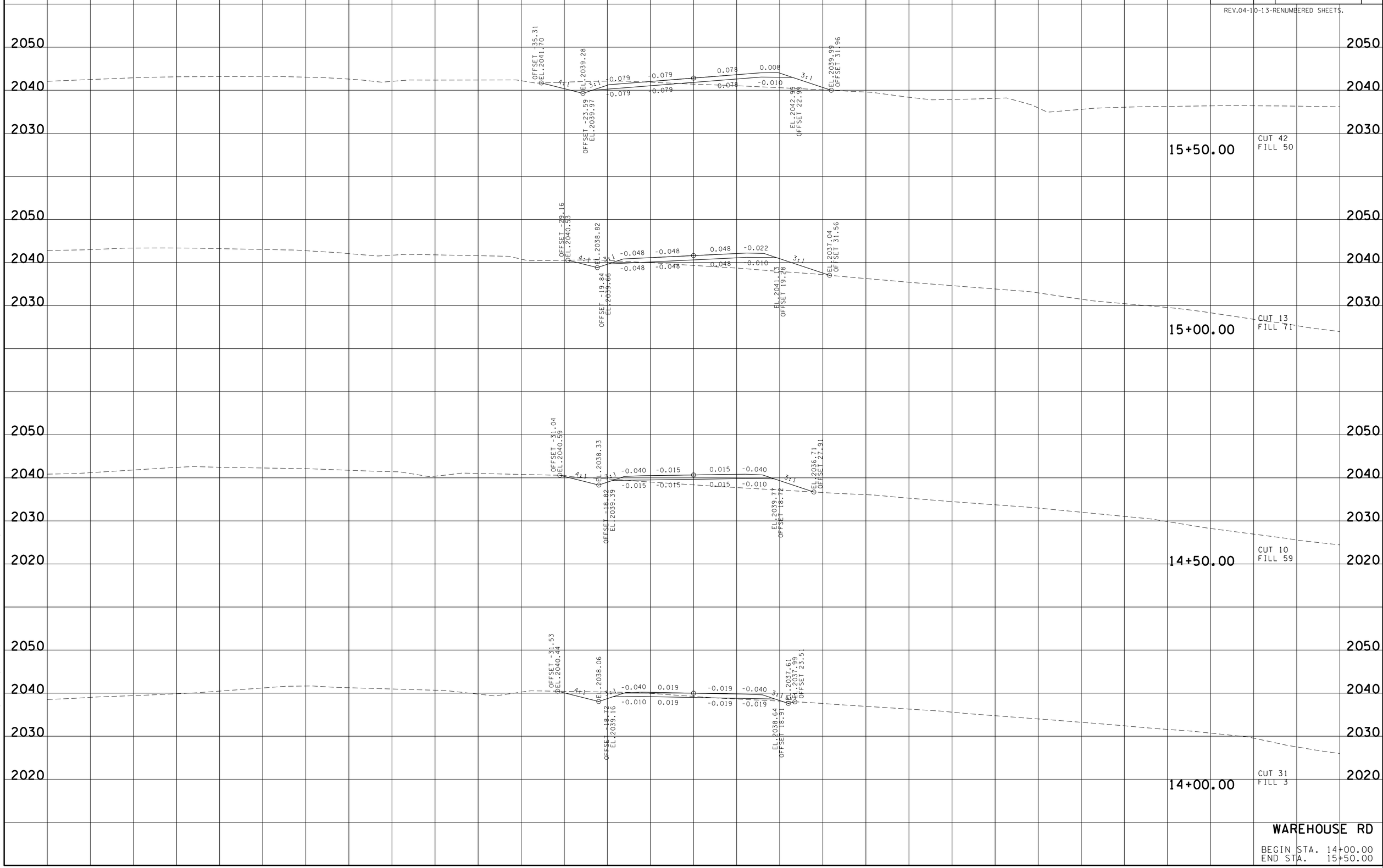
WAREHOUSE RD

BEGIN STA. 12+00.00
END STA. 13+50.00

23-JUN-2016 06:57
\\JU02WF01.tdot.state.tn.us\02Shared\Design County Folders\Cumberland\SR(0) fairfield glade (de)\SR(0)\sheet files\Phase 2 Sheets\CU101.245-WarehouseRdXSections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	246

REV.04-10-13-RENUMBERED SHEETS.



WAREHOUSE RD

BEGIN STA. 14+00.00
END STA. 15+50.00

23-JUN-2016 06:57
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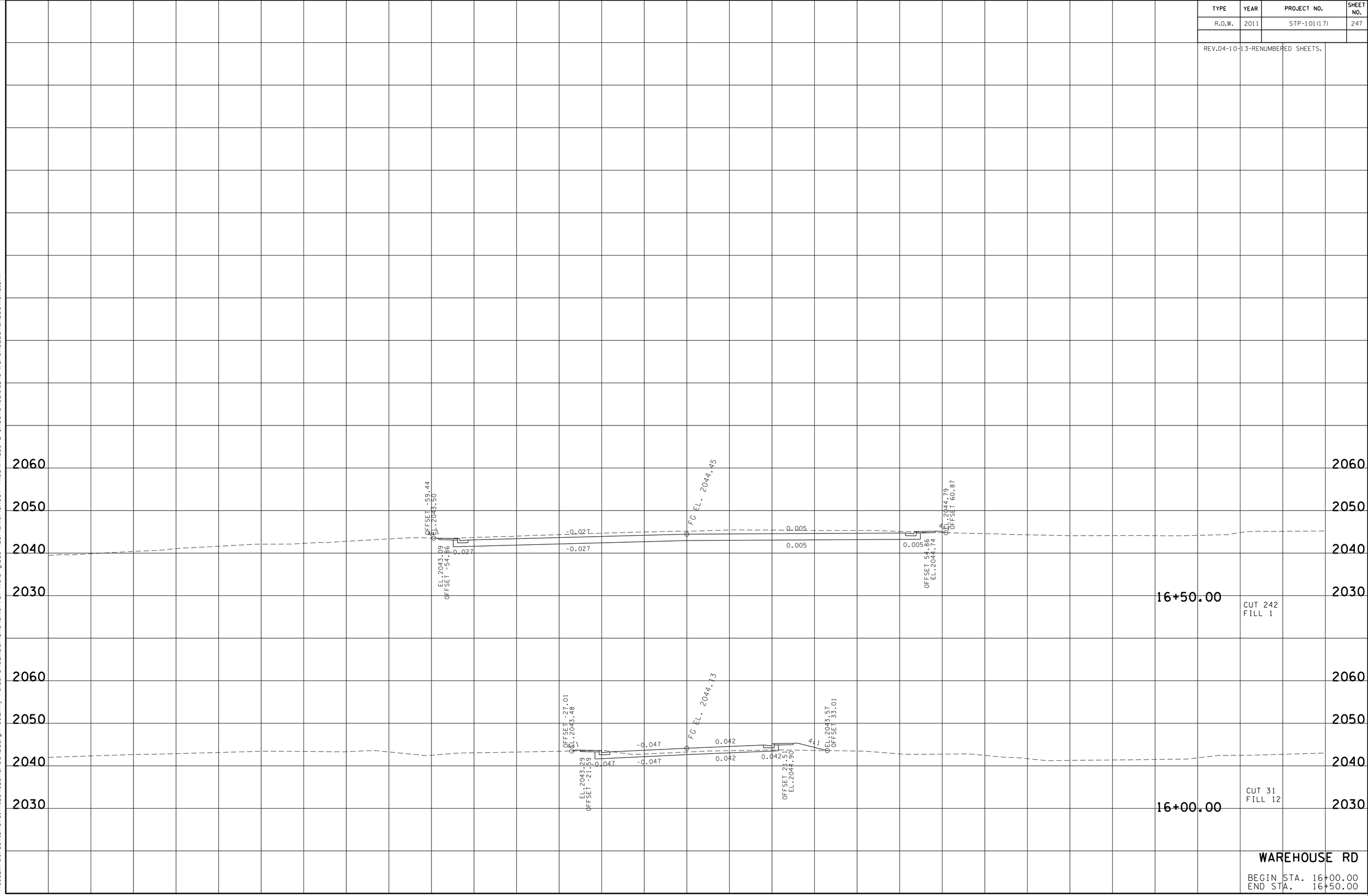
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	247

REV.04-10-13-RENUMBERED SHEETS.



WAREHOUSE RD

BEGIN STA. 16+00.00
END STA. 16+50.00

23-JUN-2016 06:57
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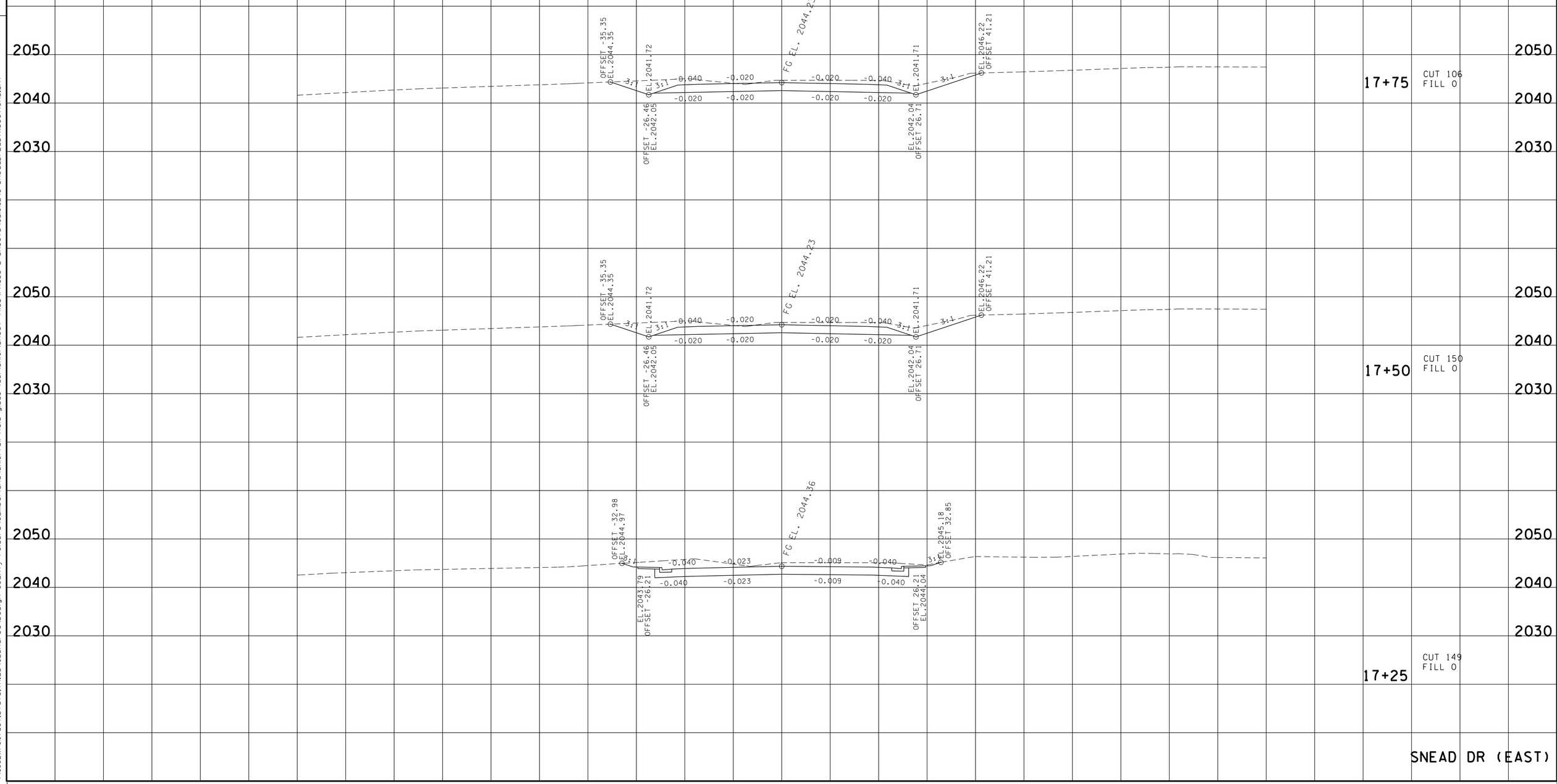
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	248

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



23-JUN-2016 07:00
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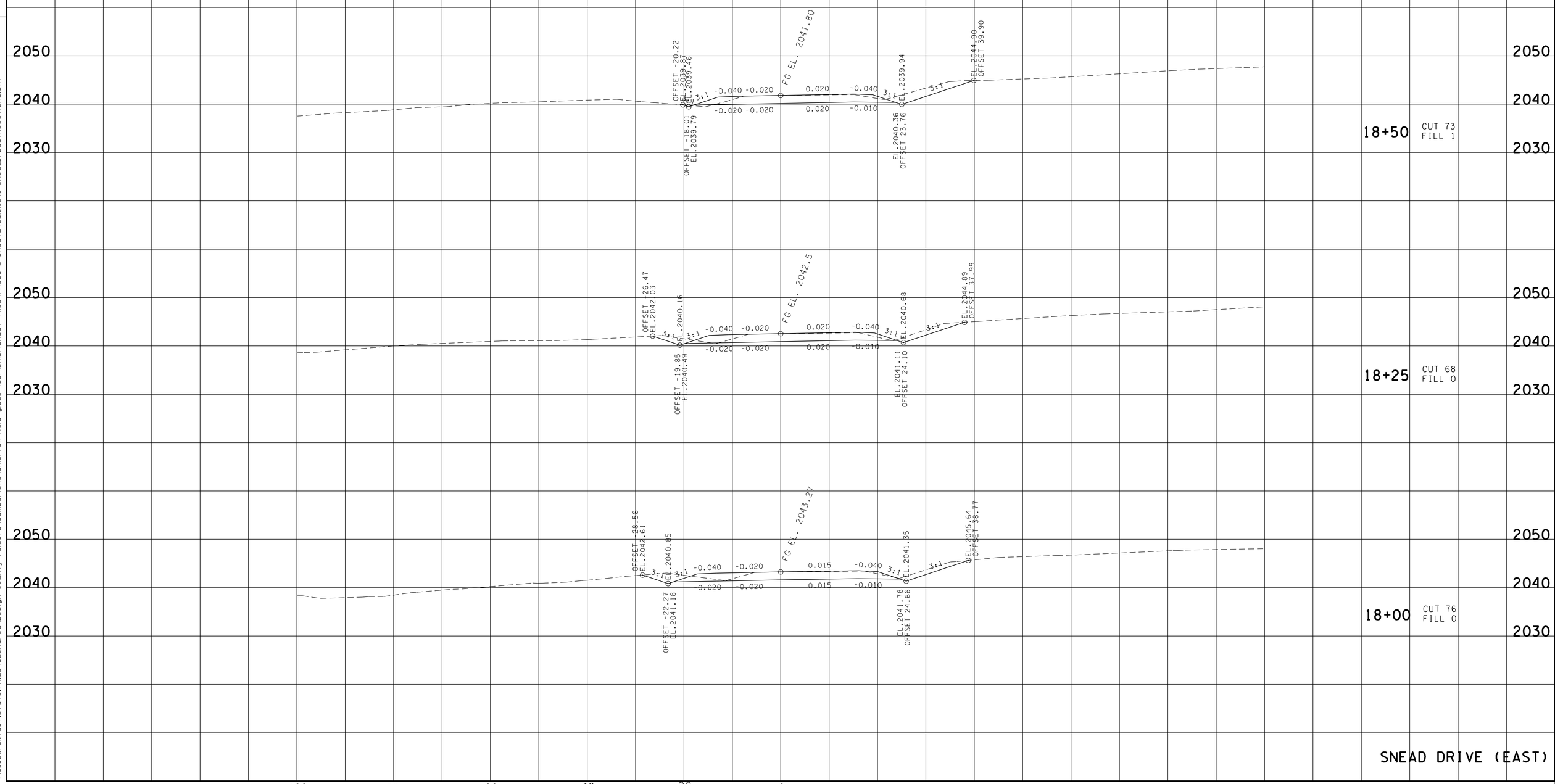
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	249

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SNEAD DRIVE (EAST)

23-JUN-2016 07:00
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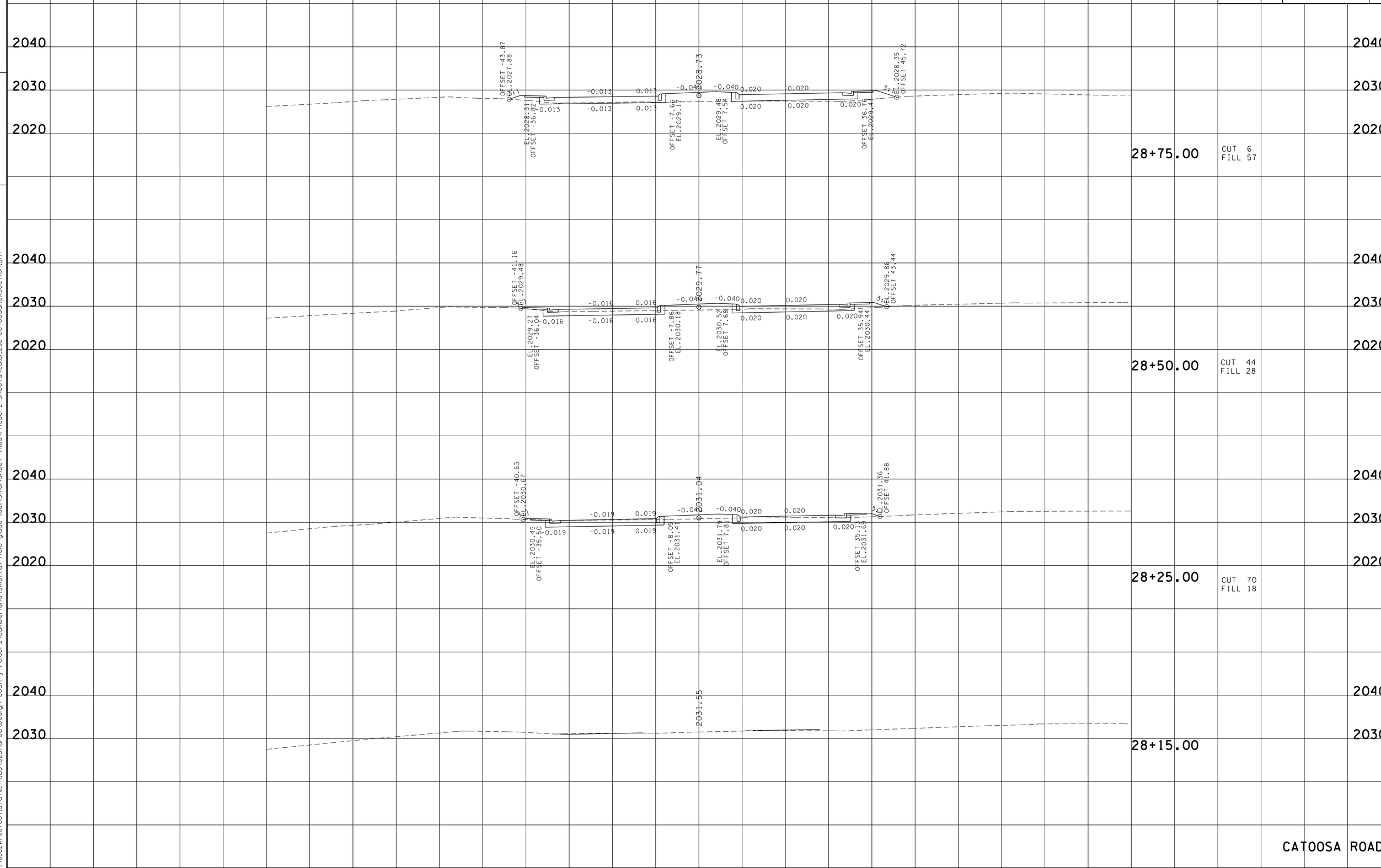
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	250

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



23-JUN-2016 07:00
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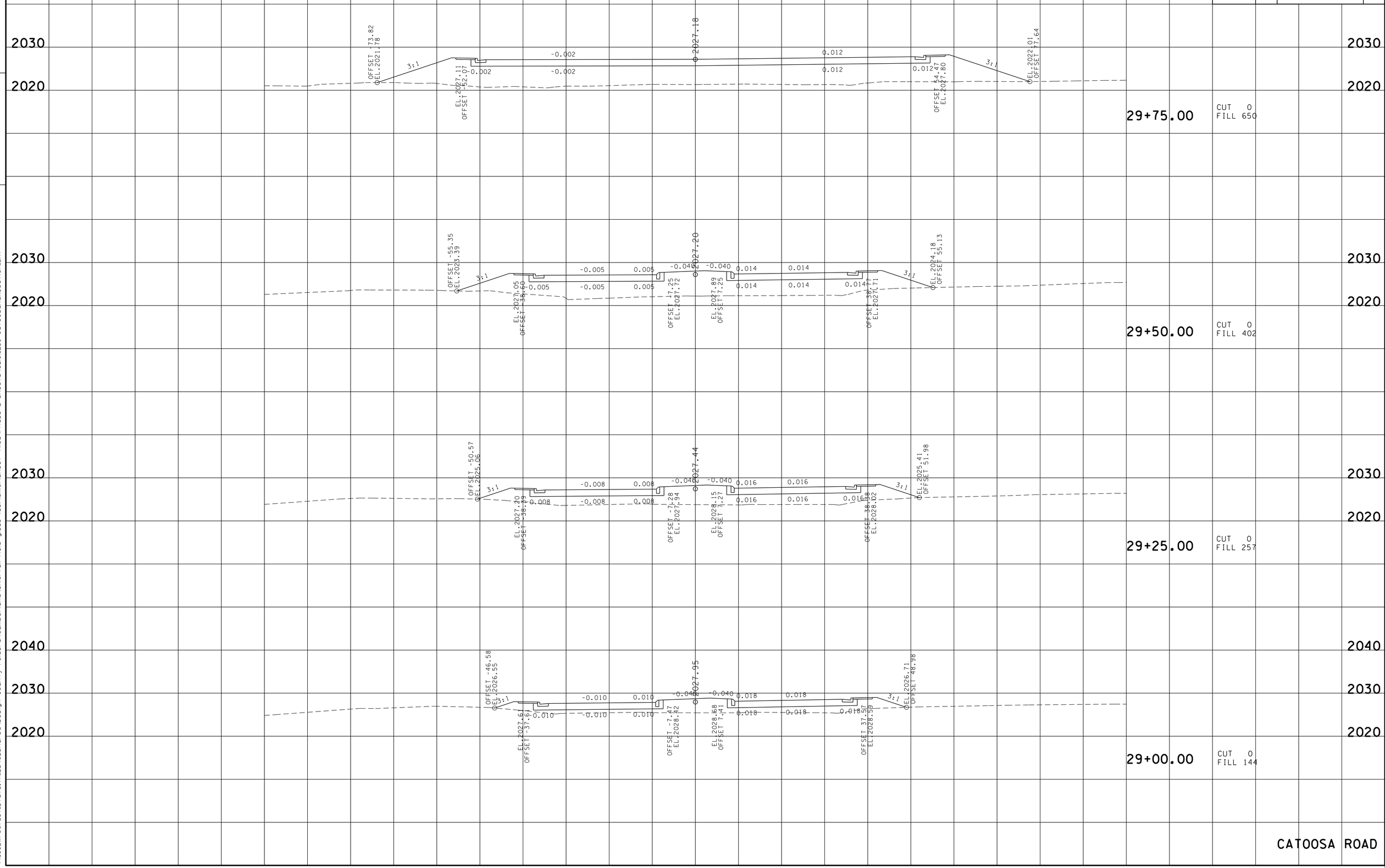
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	251

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



23-JUN-2016 07:00
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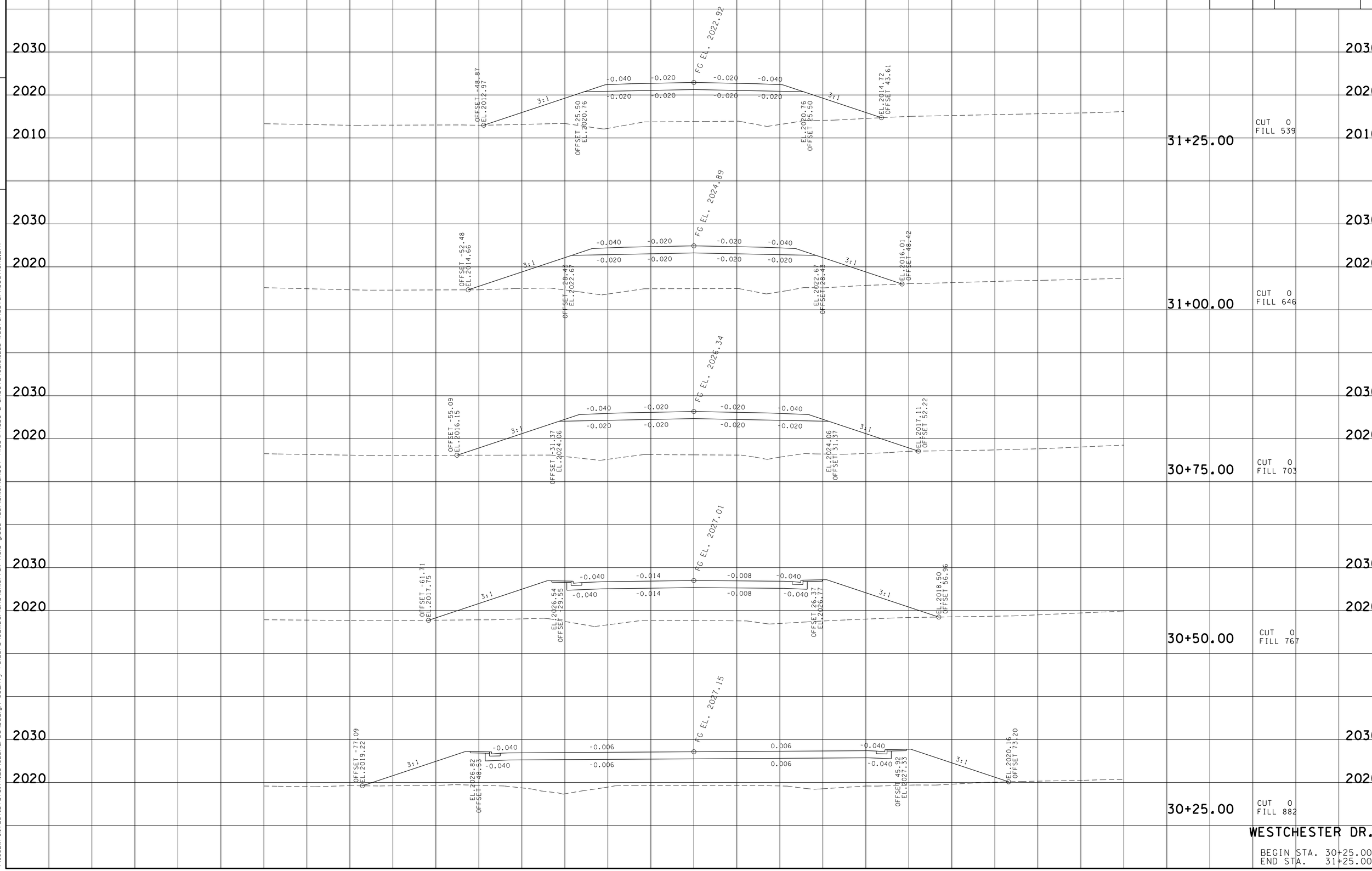
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	252

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



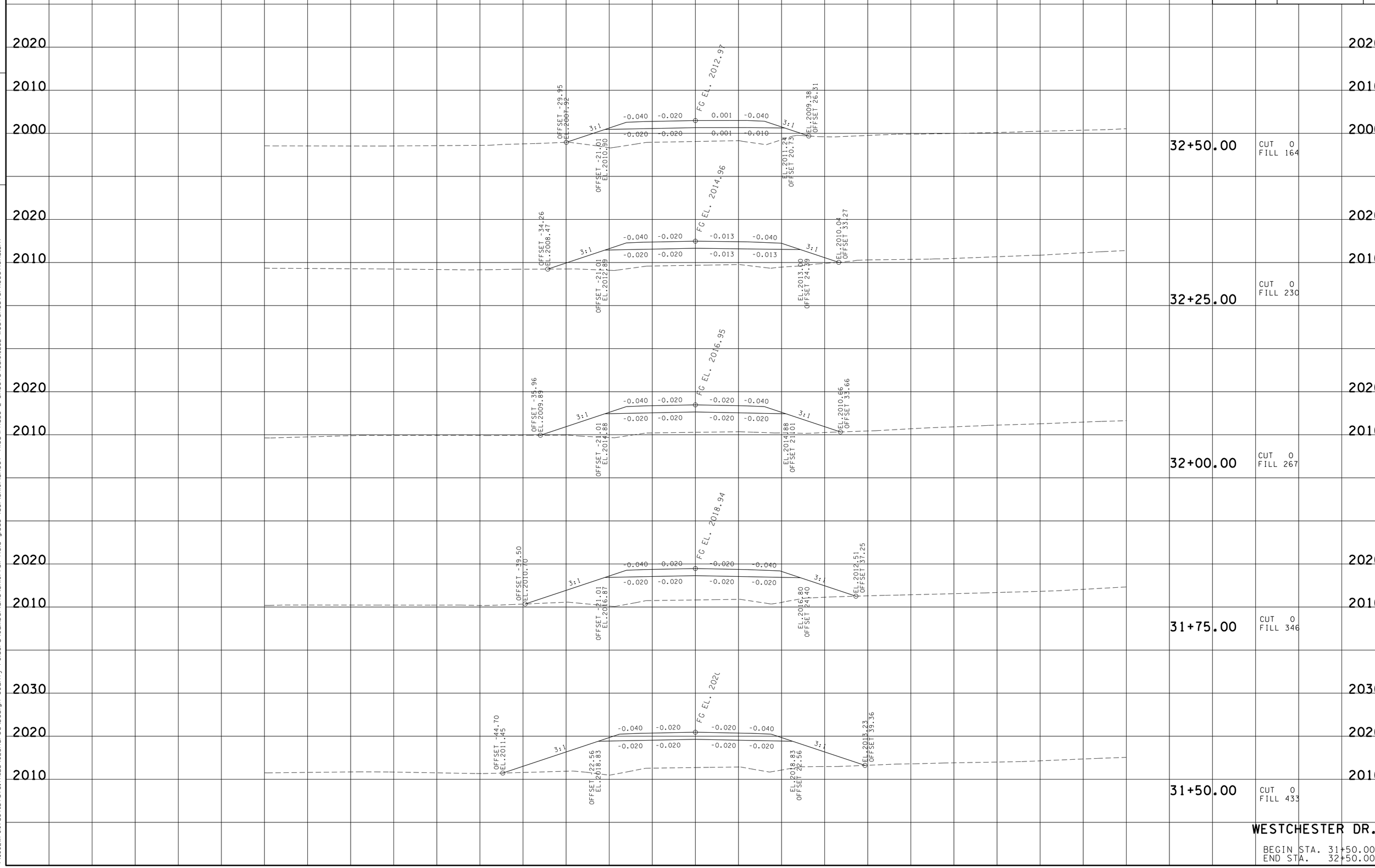
WESTCHESTER DR.

BEGIN STA. 30+25.00
END STA. 31+25.00

23-JUN-2016 07:02
\\JJ02WF01.tdot.state.tn.us\02Shared\Design County Folders\Cumberland\SR101 fairfield glade (de)\SR101\sheet files\Phase 2 Sheets\CU101_252-WestchesterXSections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	253

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



WESTCHESTER DR.

BEGIN STA. 31+50.00
END STA. 32+50.00

23-JUN-2016 07:02
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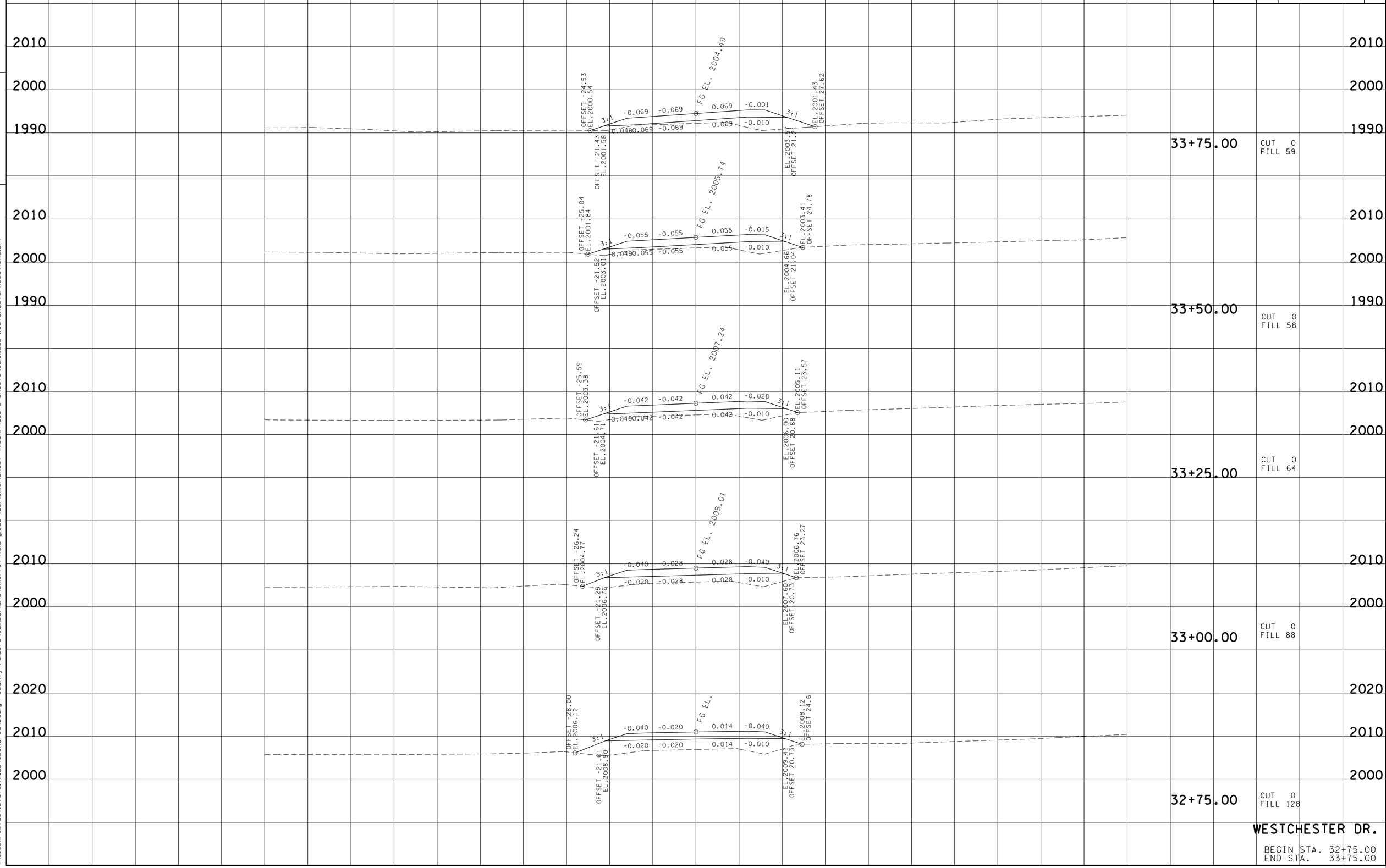
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	254

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



WESTCHESTER DR.

BEGIN STA. 32+75.00
END STA. 33+75.00

23-JUN-2016 07:02
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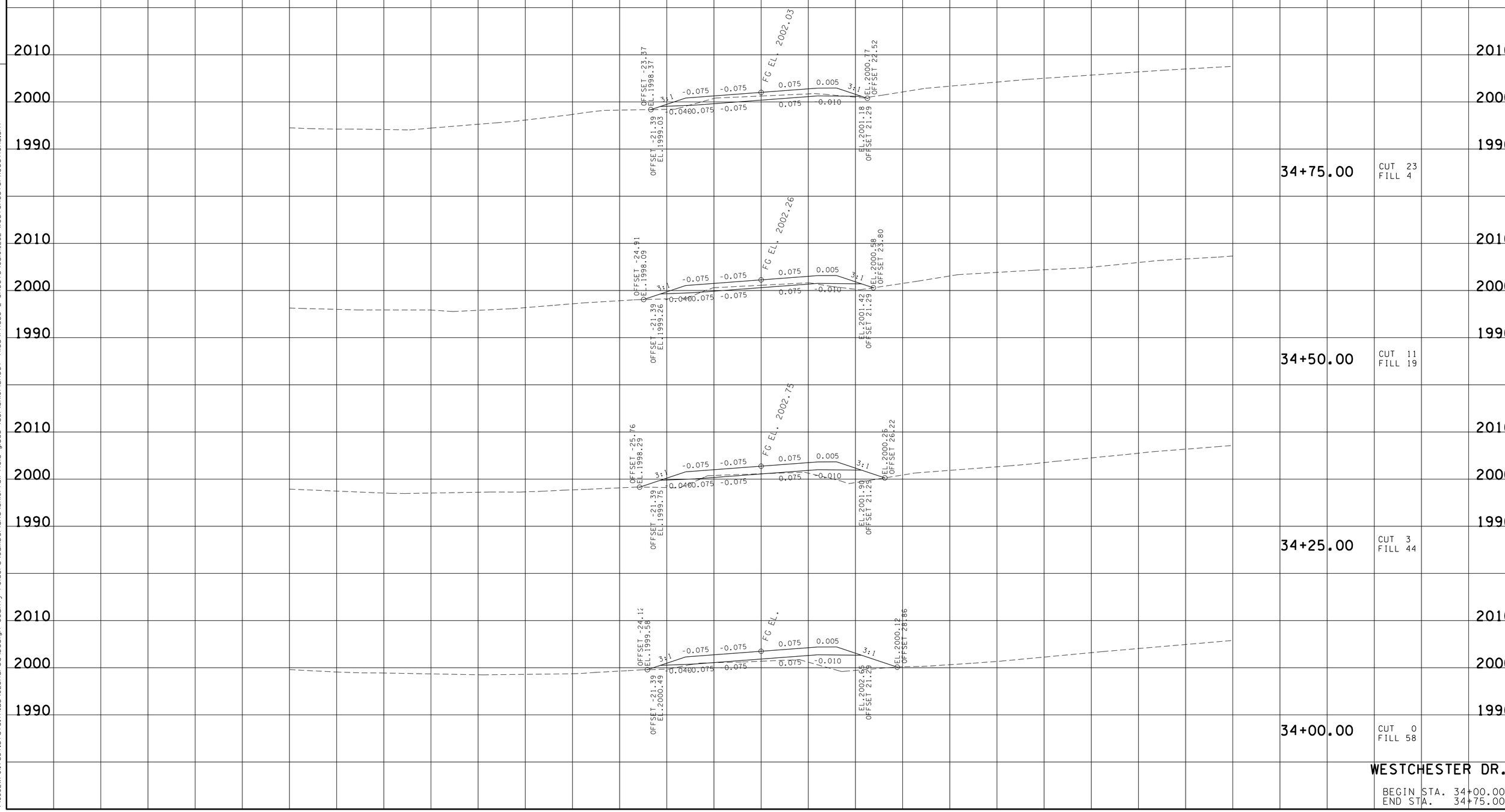
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	255

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



WESTCHESTER DR.

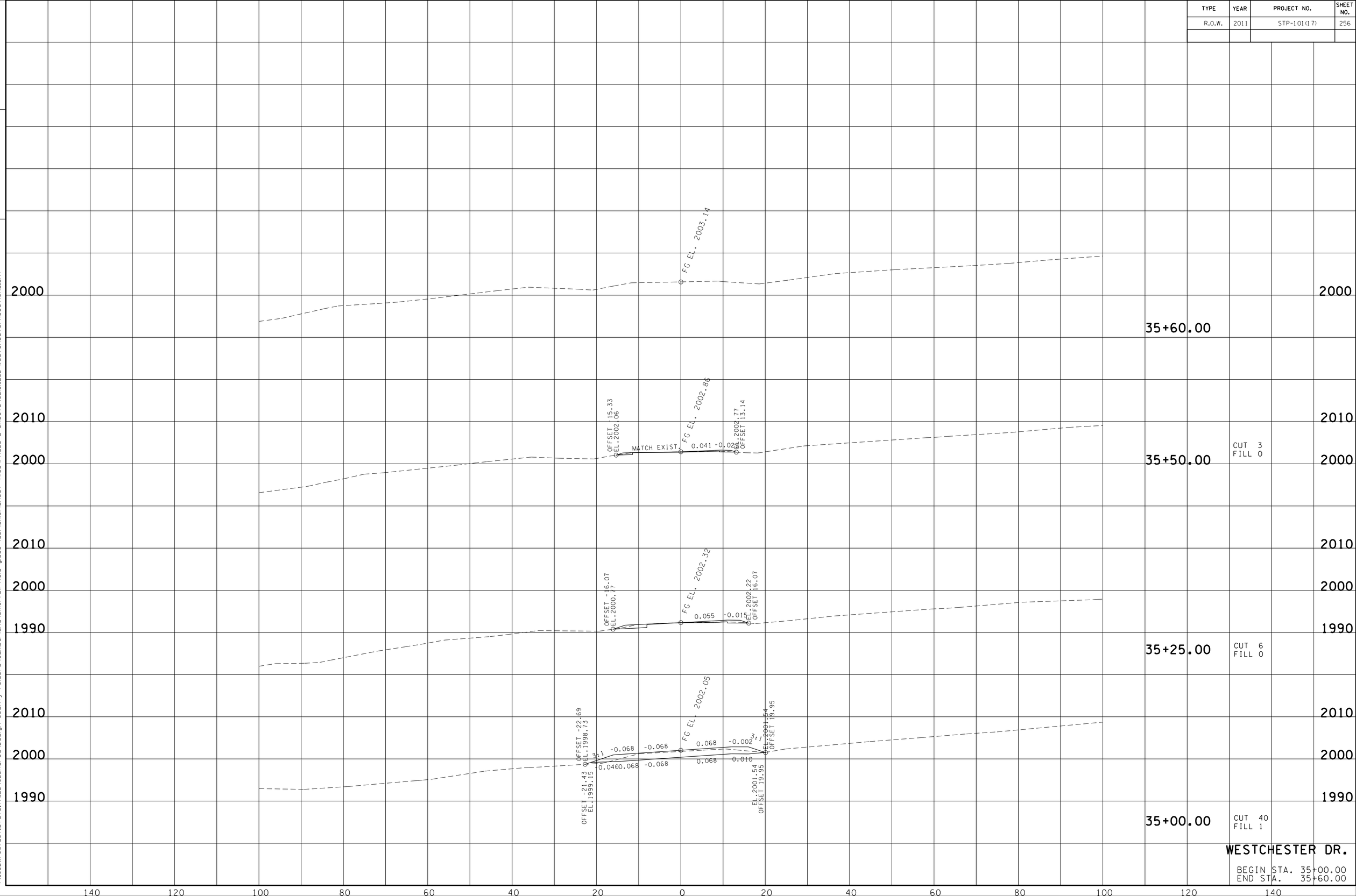
BEGIN STA. 34+00.00
END STA. 34+75.00

23-JUN-2016 07:02
\\JJ02WF01.tdot.state.tn.us\02Shared\Design County Folders\Cumberland\SR101 fair field glade (de)\SR101\sheet files\Phase 2 Sheets\CU101_252-WestchesterXSections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	256

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



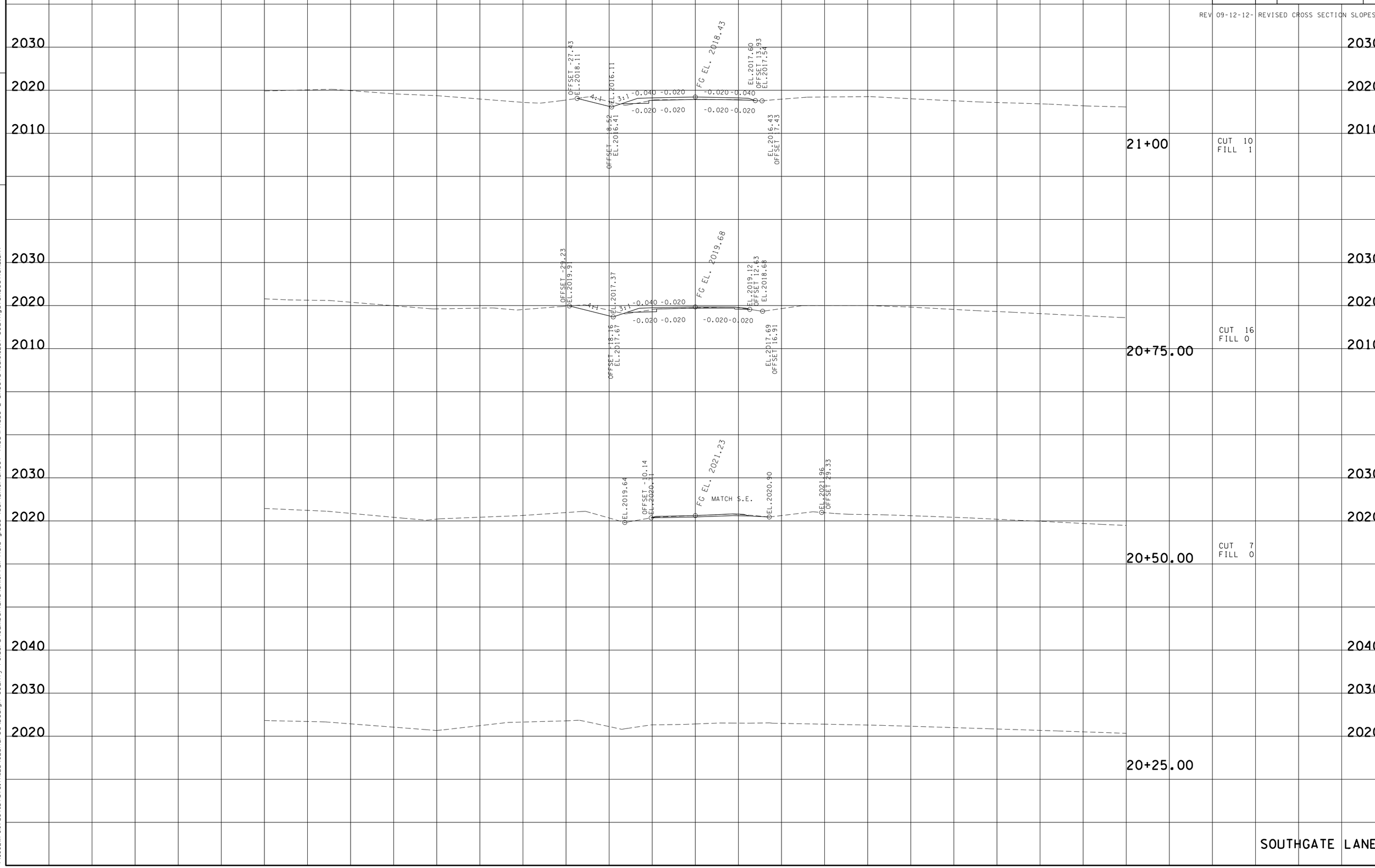
WESTCHESTER DR.

BEGIN STA. 35+00.00
END STA. 35+60.00

23-JUN-2016 07:03
\\JU02WF01.tdot.state.tn.us\02Shared\Design County Folders\Cumberland\SR101 fairfield glade (de)\SR101\sheet files\Phase 2 Sheets\CU101.252-WestchesterXSections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	257

REV 09-12-12- REVISED CROSS SECTION SLOPES.



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

23-JUN-2016 07:05
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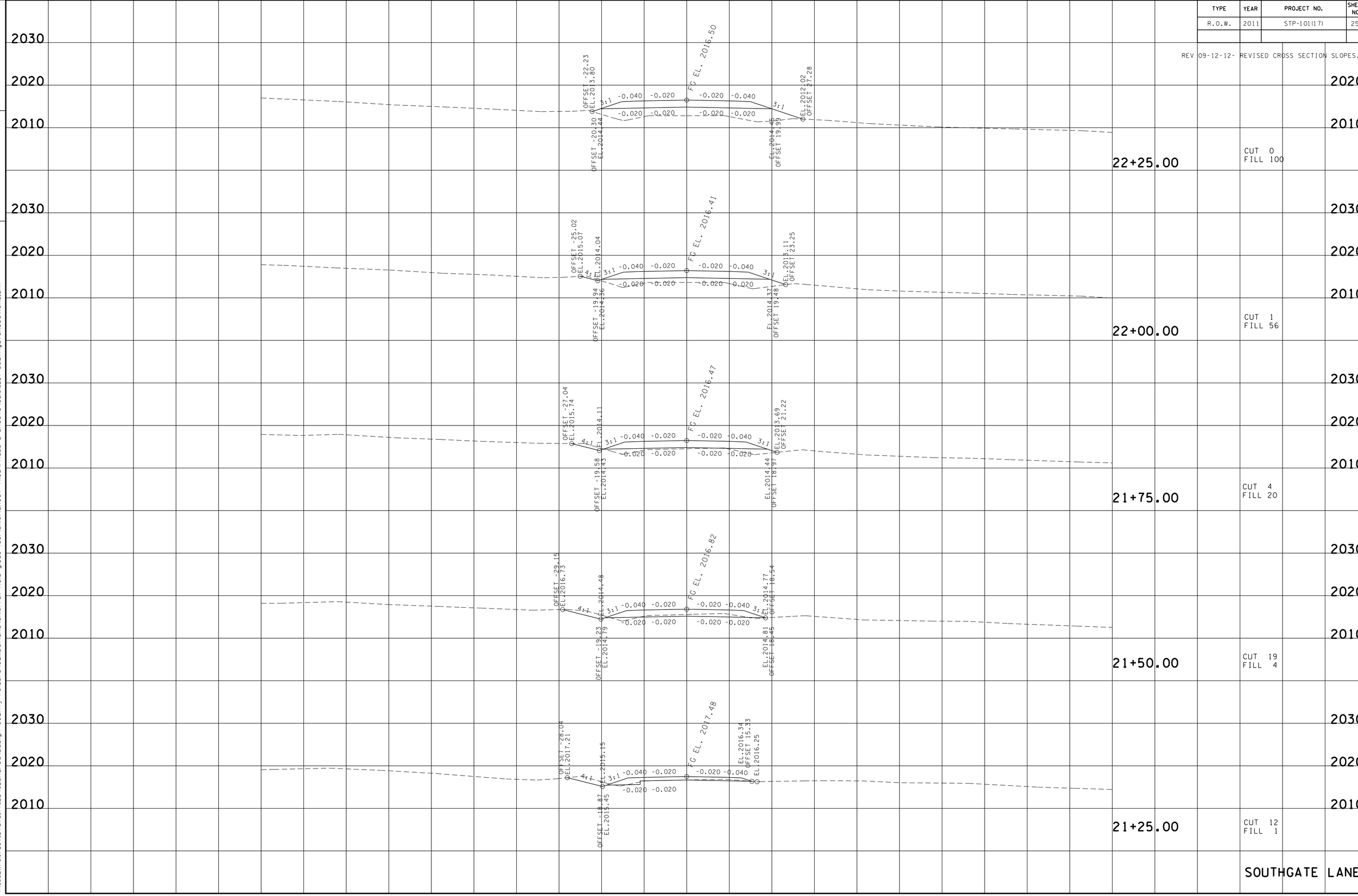
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	258

REV 09-12-12- REVISED CROSS SECTION SLOPES.



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

23-JUN-2016 07:05
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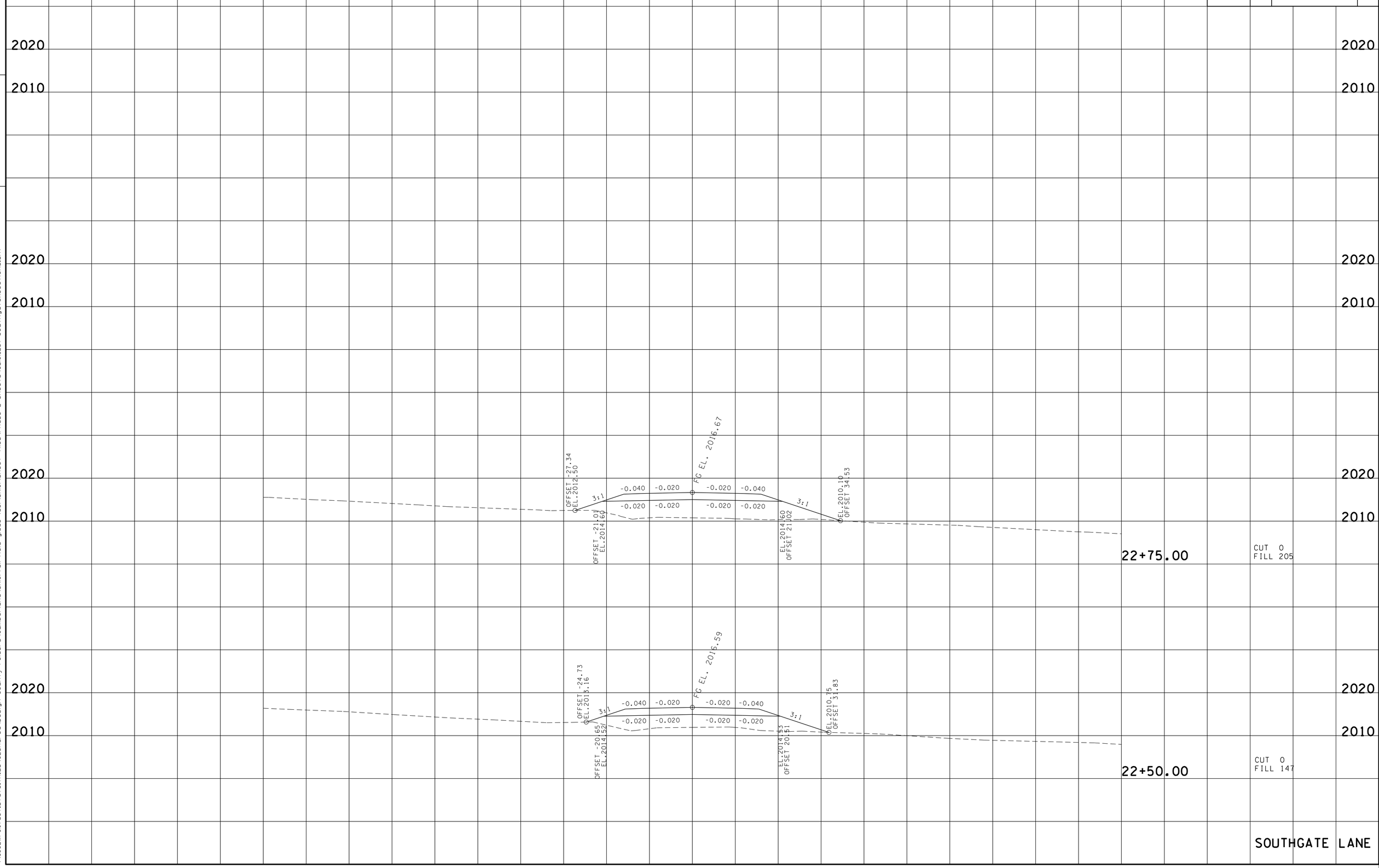
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101(17)	259

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



23-JUN-2016 07:05
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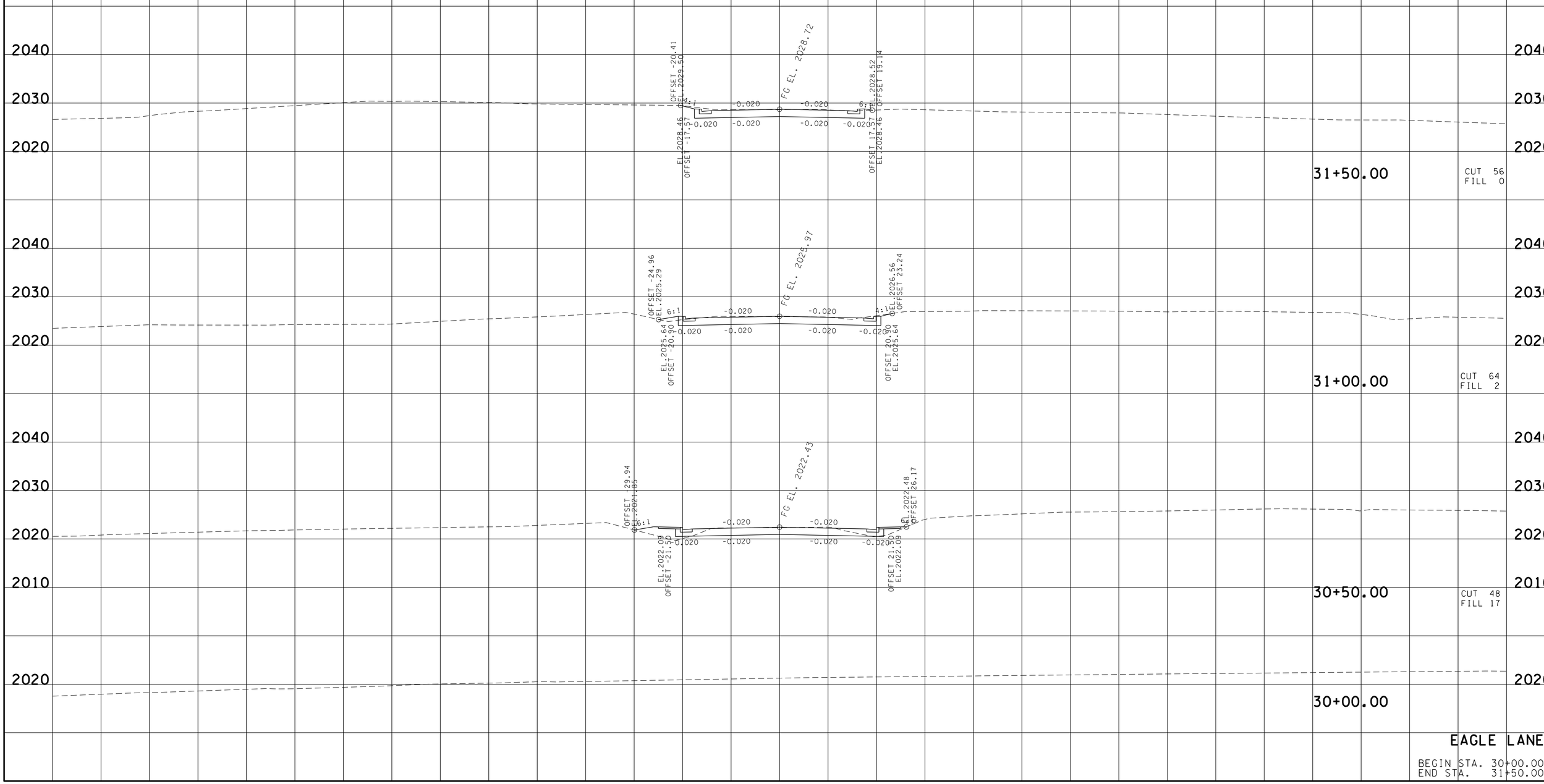
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	260

REV.04-10-13-ADDED SHEET.



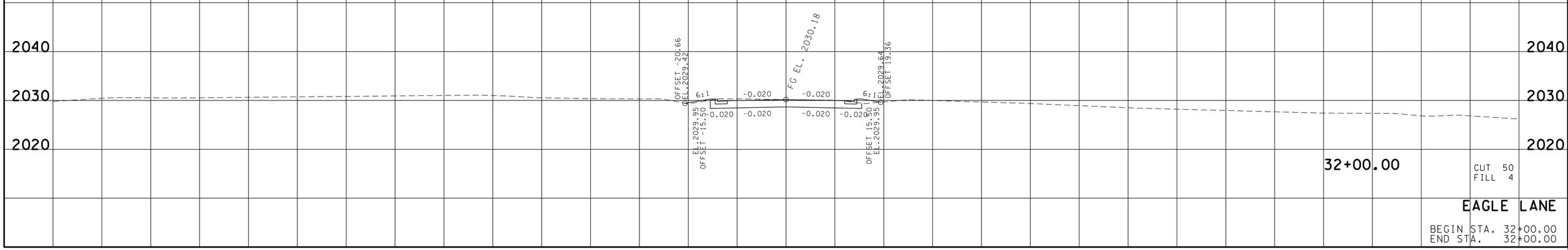
EAGLE LANE

BEGIN STA. 30+00.00
END STA. 31+50.00

23-JUN-2016 07:05
\\JJ02WF01.tdot.state.tn.us\02Shared\Design County Folders\Cumberland\SR101 fairfield glade (de)\SR101\sheet files\Phase 2 Sheets\CU101_260-EagleXSections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	261

REV.04-10-13-ADDED SHEET.



CUT 50
FILL 4

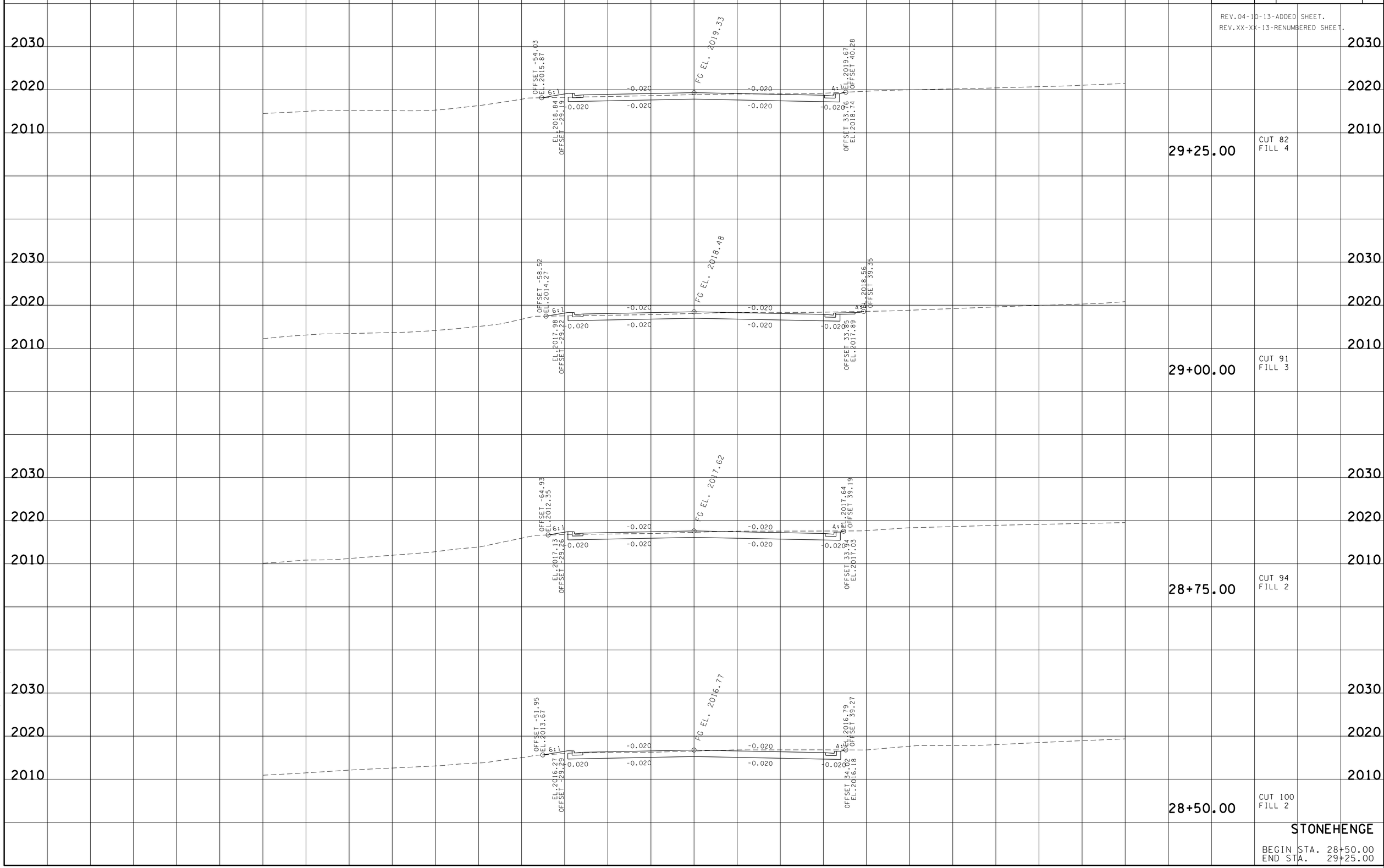
EAGLE LANE

BEGIN STA. 32+00.00
END STA. 32+00.00

23-JUN-2016 07:05
\\JJ02WF01.tdot.state.tn.us\02Shared\Design County Folders\Cumberland\SR101 fairfield glade (de)\SR101\sheet files\Phase 2 Sheets\CU101_260-EagleXSections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	262

REV.04-10-13-ADDED SHEET.
REV.XX-XX-13-RENUMBERED SHEET.



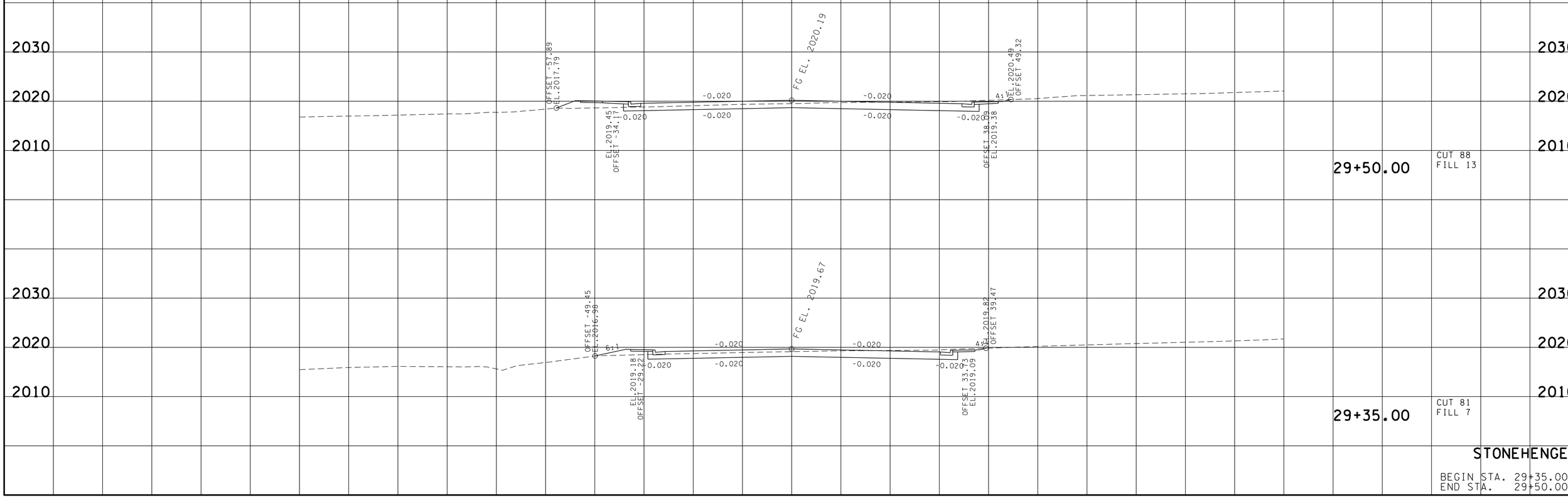
STONEHENGE

BEGIN STA. 28+50.00
END STA. 29+25.00

23-JUN-2016 07:07
\\JJ02WF01.tdot.state.tn.us\02Shared\Design County Folders\Cumberland\SR101 fair field glade (de)\SR101\sheet files\Phase 2 Sheets\CU101_262-StonehengeXSections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2013	STP-101(17)	263

REV.04-10-13-ADDED SHEET.
REV.XX-XX-13-RENUMBERED SHEET.



STONEHENGE

BEGIN STA. 29+35.00
END STA. 29+50.00

23-JUN-2016 07:08
\\JJ02WF01.tdot.state.tn.us\02Shared\Design County Folders\Cumberland\SR101 fairfield glade (de)\SR101\sheet files\Phase 2 Sheets\CU101_262-StonehengeXSections.sht