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

SEE SHEET 1A FOR INDEX OF SHEETS

TENN.	YEAR	SHEET NO.
	2014	1
FED. AID PROJ. NO.	NHE-15(108)	
CONSTRUCTION NO.	36001-3290-14	

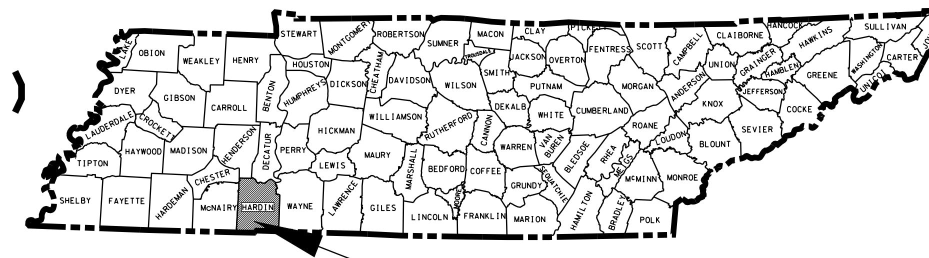
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

HARDIN COUNTY
STATE ROUTE 15 (U.S. HWY. 64)

FROM FIRETOWER ROAD TO WEST OF BIGBEE BRANCH

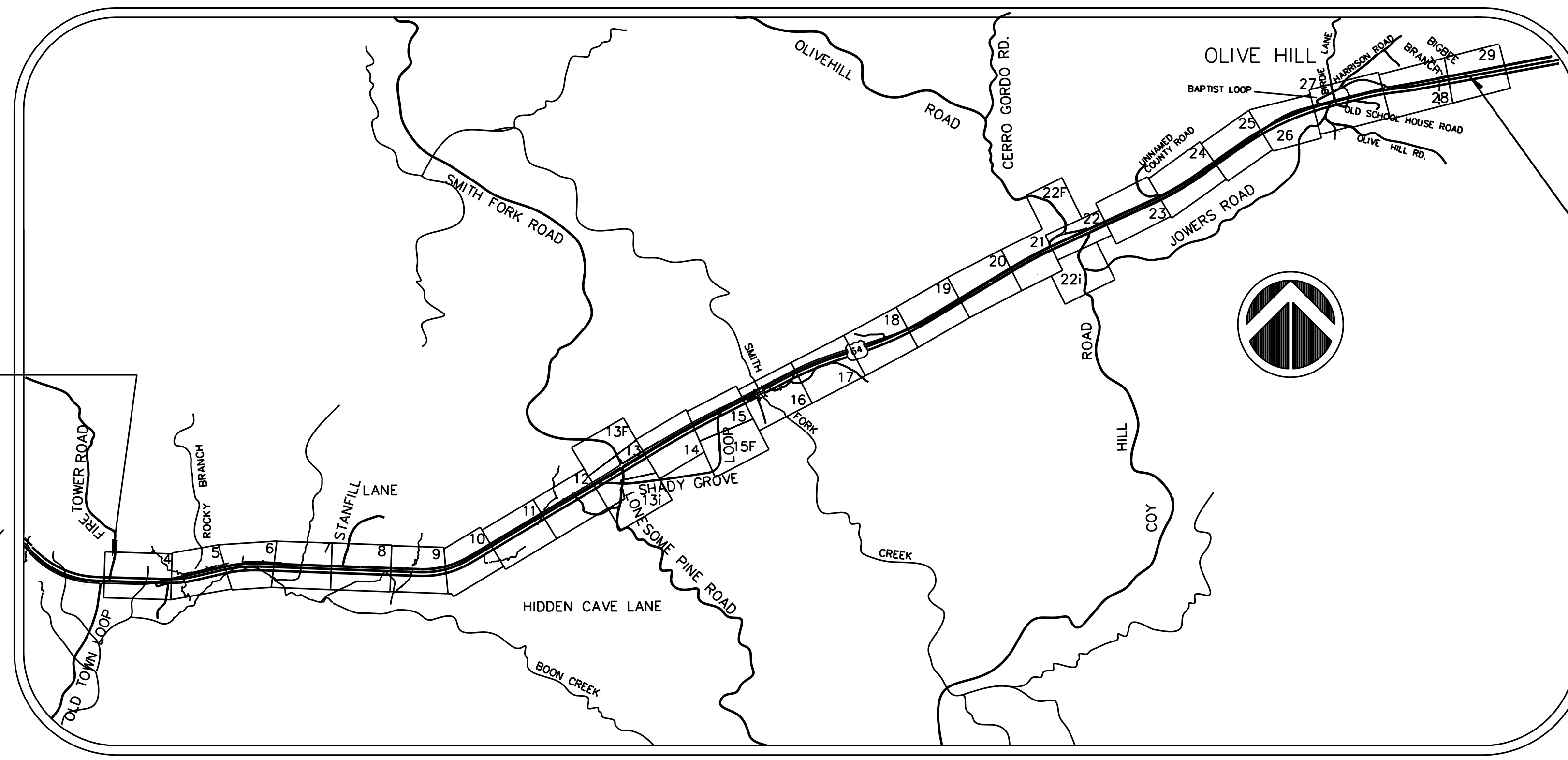
CONSTRUCTION

STATE HIGHWAY NO. 15 F.A.H.S. NO. 64



PROJECT LOCATION

BEGIN PROJECT 36001-3290-14 (CONST.)
STA. 441+00.00 ℄ S.R.15



END PROJECT 36001-3290-14 (CONST.)
STA. 762+00.00 ℄ S.R.15

SCALE: 1"=2000'

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

DATE:

APPROVED:
JOHN SCHROER, **COMMISSIONER**

BIRDEL F. JACKSON III REGISTERED ENGINEER XVI AGRICULTURE COMMERCE No. 12711 STATE OF TENNESSEE
7/24/2014

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 CE MANAGER 1 ANITA PRICE , P.E.

DESIGNED BY B&E JACKSON, INC.

DESIGNER BIRDEL JACKSON P.E.

CHECKED BY HAMENDRA PATEL P.E.

P.E. NO. 36001-1274-14

PIN NO. 100314.00

ROADWAY LENGTH	5.964
BRIDGE LENGTH	0.104
BOX BRIDGE LENGTH	0.011
TOTAL PROJECT LENGTH	6.079 MILES

TRAFFIC DATA	
ADT (2014)	2,310
ADT (2034)	2,790
DHV (2034)	279
D	60-40
T (ADT)	35
T (DHV)	23
V	65 MPH

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR DATE

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	36001-3290-14	1A

(1) INDEX STANDARD ROADWAY DRAWINGS

DESCRIPTION	SHT.
TITLE SHEET	1
ROADWAY INDEX AND STANDARD DRAWINGS INDEX	1A-1B
PROJECT COMMITMENTS SHEET	1C
ESTIMATED BRIDGE QUANTITIES AND BRIDGE INDEX	2
ESTIMATED ROADWAY QUANTITIES	2A - 2A1
ESTIMATED UTILITIES QUANTITIES	2B
TYPICAL SECTIONS AND PAVING SCHEDULE	2C – 2P
GENERAL NOTES AND SPECIAL NOTES	2Q – 2T
TABULATED QUANTITIES	2U – 2AA
PROPERTY MAPS AND RIGHT-OF-WAY ACQUISITION TABLES	3, 3A – 3I
PRESENT LAYOUTS	4 – 13,13D,13G,14,15,15D,16 – 22,22D,22G,23 - 29
ROW LAYOUTS	4A – 13A,13E,13H,14A,15A,15E,16A – 22A,22E,22H,23A – 29A
PROPOSED LAYOUTS	4B – 13B,13F,13I,14B,15B,15F,16B – 22B,22F,22I,23B – 29B
PROPOSED PROFILES	4C – 29C
PUBLIC SIDE ROADS PROFILES	30 - 37
PRIVATE DRIVE AND FIELD ENTRANCE PROFILES MAINLINE	38 - 50
PRIVATE DRIVE AND FIELD ENTRANCE PROFILES SIDE ROADS	50A-50C
DETOUR PROFILES	51-53
DRAINAGE MAPS	54 - 60
CULVERT SECTIONS	61-85, 85A-85E
STORM WATER POLLUTION PREVENTION PLAN (SWPPP) INDEX	S-1
EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLANS	86 - 179
TRAFFIC CONTROL PLANS WITH CONSTRUCTION	
PHASING NOTES	180-272
SIGNING AND PAVEMENT MARKING PLANS	273,273A-273DD
SIGN SCHEDULE SHEETS	274-274K
SOILS SHEETS	276,276A-276BQ
ROADWAY CROSS SECTIONS	277 - 508
SIDE ROAD CROSS SECTIONS	509 - 543
DETOUR CROSS SECTIONS	544 - 549
UTILITIES INDEX, UTILITY OWNERS, AND UTILITY SHEETS	U1-1
NATURAL STREAM DESIGN	NS-1

STANDARD STRUCTURES DRAWINGS

DWG. NO.	REV.	DESCRIPTION
STD-1-5	3-26-14	PAVEMENT AT BRIDGE ENDS
STD-1-6	4-28-97	BRIDGE END DRAIN W/ PABE
STD-1-7	8-24-11	BRIDGE END DRAIN W/ PABE
STD-1-9	5-01-95	BRIDGE END DRAIN 4'x8'-7" W/ PABE
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 SECTIONS AND DETAILS
STD-15-5	03-28-08	TYPICAL ELEVATION
STD-15-26		PRECAST BOX CULVERT DETAILS
STD-15-27		PRECAST BOX CULVERT DETAILS
STD-15-35		BOX BRIDGE, 1 BARREL AT 6', CLEAR HTS. 3'-4', 0-60' FILL
STD-15-36		BOX BRIDGE, 1 BARREL AT 8', CLEAR HTS. 3'-4', 0-60' FILL
STD-15-38	9-19-06	BOX BRIDGE, 1 BARREL AT 10', CLEAR HTS. 4' - 6', 0 - 60' FILL
STD-15-39		BOX BRIDGE, 1 BARREL AT 10', CLEAR HTS. 7' - 10', 0 - 60' FILL
STD-15-46		BOX BRIDGE, 1 BARREL AT 16', CLEAR HTS. 9' - 12', 0 - 60' FILL
STD-15-49		BOX BRIDGE, 1 BARREL AT 18', CLEAR HTS. 9' - 13', 0 - 60' FILL

ROADWAY DESIGN STANDARDS

DWG. NO	REV.	DESCRIPTION
RD-A-1	12-18-99	STANDARD ABBREVIATIONS
RD-L-1	10-26-94	STANDARD LEGEND
RD-L-2	09-05-01	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-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-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-S-11B	10-15-02	DESIGN AND CONSTRUCTION DETAILS FOR ROCK CUT SLOPE AND CATCHMENT
RD01-SD-1		INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES
RD01-SD-2		INTERSECTION SIGHT DISTANCE LANDSCAPE AND OBSTRUCTION
RD01-SD-5		INTERSECTION SIGHT DISTANCE 4-LANE DIVIDED HIGHWAYS
RD01-SE-3	10-15-02	RURAL SUPERELEVATION DETAILS
RD01-TS-1	10-15-02	DESIGN STANDARDS FOR LOCAL ROADS AND STREETS
RD01-TS-3A	10-15-02	DESIGN STANDARDS 4 AND 6 LANE ARTERIAL HIGHWAYS WITH DEPRESSED MEDIANS
RD-UD-3	9/05/1996	UNDERDRAIN DETAILS
RD-UD-4	5/27/2001	UNDERDRAIN LATERAL DETAILS
RD-UD-6	12/18/1994	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 1:1 & 2:1 SLOPES
RD-UD-7	12/18/1994	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 3:1 & 4:1 SLOPES
RD-UD-8		LATERAL UNDERDRAIN ENDWALL DETAIL FOR 5:1 SLOPES
RD-UD-9	12/18/1994	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 6:1 SLOPES
S-CZ-1		CLEAR ZONE CRITERIA
S-GR31-1		W-BEAM GUARDRAIL
S-GR31-2		MEDIAN DIVIDER GUARDRAIL
S-GRA-3		GRARDRAIL ANCHOR FOR TYPE 21, 13 AND IN-LINE TERMINALS
S-GRC-1		GUARDRAIL CONNECTION TO BRIDGE ENDS OR BARRIER WALL
S-GRS-2		SPECIAL CASE: LONG SPAN GUARDRAIL, ONE SPAN OMITTED
S-GRT-2		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		TYPE 13 GUARDRAIL TERMINAL (TRAILING END)
S-PL-1		SAFETY PLAN AT ROADSIDE HAZARDS
S-PL-2		SAFETY PLAN AT SIDE ROADS OR PRIVATE DRIVES
S-PL-3		SAFETY PLAN: MINIMUM INSTALLATION AT BRIDGE ENDS
S-PL-5		SAFETY PLAN FOR BRIDGE ENDS IN MEDIANS

DRAINAGE - CULVERTS AND ENDWALL

DWG. NO	REV.	DESCRIPTION
D-PB-1	01-02-13	STANDARD DETAILS CLASS "B" BEDDING AND CULVERT EXCAVATION
D-PB-2	01-29-14	STANDARD DETAILS FOR FLEXIBLE PIPE INSTALLATION
D-PE-3B(1)	07-17-07	CONCRETE ENDWALL TYPE "U" WITH STEEL PIPES GRATE (FOR 18" THRU 48" PIPES) (3:1 SLOPE)
D-PE-3B(2)	05-27-01	CONCRETE ENDWALL TYPE "U" WITH STEEL PIPE GRATE FOR 18" THRU 48" PIPES 3:1 SLOPE
D-PE-4	01-15-13	STRAIGHT, "L" AND "U" TYPE CONCRETE ENDWALL
D-PE-4B(1)	03-30-00	CONCRETE ENDWALL TYPE "U" WITH STEEL PIPE GRATE FOR 18" THRU 48" PIPES 4:1 SLOPE
D-PE-4B(2)	07-17-07	CONCRETE ENDWALL TYPE "U" WITH STEEL PIPE GRATE FOR 18" THRU 48" PIPES 4:1 SLOPE
D-PE-6B(1)	03-30-00	CONCRETE ENDWALL TYPE "U" WITH STEEL PIPE GRATE FOR 18" THRU 48" PIPES 6:1 SLOPE
D-PE-6B(2)	07-19-10	CONCRETE ENDWALL TYPE "U" WITH STEEL PIPE GRATE FOR 18" THRU 48" PIPES 6:1 SLOPE
D-PE-9	04-25-90	CONCRETE ENDWALL TYPE "B" (FOR ROUND AND SIDE TAPERED INLETS, PIPE SIIZES 15" to 78", ALL SKEWS, 2:1 and 4:1 SLOPE)
D-SEW-12D	06-14-13	CONCRETE ENDWALL TYPE "SD" WITH STEEL PIPE GRATE FOR 15" AND 18" PIPES - 12:1 SLOPE

DRAINAGE-CATCH BASINS AND MANHOLES

DWG. NO	REV.	DESCRIPTION
D-CB-39RB	03-11-14	STANDARD PRECAST CIRCULAR NO. 39 CATCH BASIN
D-CB-39S	08-01-12	STANDARD 4' X 4' SQUARE CONCRETE NO. 39 CATCH BASIN
D-CB-39SC	03-11-14	STANDARD 5'2" X 5'2" SQUARE CONCRETE NO. 39 CATCH BASIN
D-CB-39SD	03-11-14	STANDARD 7' X 7' SQUARE CONCRETE NO. 39 CATCH BASIN
D-CB-39SE	03-11-14	STANDARD 9' X 9' SQUARE CONCRETE NO. 39 CATCH BASIN

11-12-12

UPDATED REV. DATES

5-14-13

ADDED SHEET 29D

10-24-13

ADDED NATURAL STREAM DESIGN SHEET NS-1

3-18-14

UPDATED SHEET NUMBERS

7-23-14

UPDATED SHEET NUMBERS AND DRAWINGS

FOOTNOTE

1. SHEET 275 NOT USED IN THESE PLANS.

BIRDEL F. JACKSON III
REGISTERED ENGINEER
AGRICULTURE COMMERCE
STATE OF TENNESSEE
7/24/2014

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INDEX AND STANDARD DRAWINGS

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	36001-3290-14	1B

INDEX STANDARD ROADWAY DRAWINGS

DWG. NO	REV.	DESCRIPTION
D-SDS-1	08-01-12	STANDARD 32" X 32" SQUARE CONCRETE NO. 1 SPRING DRAIN BOX

ROADWAY AND PAVEMENT APPURTENANCES

DWG. NO	REV.	DESCRIPTION
RP-DHO-1	10-26-93	MEDIAN OPENINGS ON 4-LANE DIVIDED HIGHWAY
RP-R-1	05-27-01	RAMPS TO SIDE ROADS

SAFETY APPURTENANCES AND FENCE

DWG. NO	REV.	DESCRIPTION
S-F-1	05-24-12	HIGH VISIBILITY FENCE
S-RP-2	01-19-99	STANDARD CONCRETE RIGHT-OF-WAY MARKERS

TRAFFIC CONTROL APPURTENANCES

DWG. NO	REV.	DESCRIPTION
T-FAB-1	05-27-97	FLASHING YELLOW ARROW BOARD
T-FO-1		FIBER OPTIC AERIAL ENTRANCE DETAILS
T-FO-2		FIBER OPTIC UNDERGROUND ENTRANCE DETAILS
T-FO-3		FIBER OPTIC AERIAL CONNECTION DETAILS
T-FO-4		FIBER OPTIC PULL BOX, CABINET & POLE DETAILS
T-L-1	12-04-13	STANDARD LIGHTING DETAILS - FOUNDATION
T-L-1SA	09-11-13	STANDARD LIGHTING DETAILS FOR SINGLE ARM SUPPORTS
T-L-1TM		STANDARD LIGHTING DETAILS TENON MOUNTED OFFSET LIGHTING SUPPORTS
T-L-2	12-04-13	FOUNDATION DETAIL FOR LUMINAIRE MOUNTED ON A CONCRETE MEDIAN BARRIER
T-L-3	04-15-96	STANDARD LIGHTING DETAILS PULL BOXES
T-L-4	05-25-11	STANDARD LIGHTING DETAILS CONDUIT, CABLE INSTALLATION
T-M-1	11-01-11	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	01-15-13	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	09-19-91	MARKING STANDARDS FOR TRAFFIC ISLANDS, MEDIANS & PAVED SHOULDERS ON CONVENTIONAL ROADS
T-M-4	11-01-11	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-5	04-23-13	MARKING DETAILS FOR EXPRESSWAYS & FREEWAYS
T-M-6	06-22-12	MARKING DETAIL FOR EXPRESSWAY & FREEWAY INTERCHANGES
T-M-8	01-12-12	MARKING DETAILS FOR EXPRESSWAYS & FREEWAYS
T-M-9	11-01-11	MARKING DETAILS FOR RAMP INTERSECTIONS
T-M-10	06-15-12	SIGNING AND PAVEMENT MARKINGS FOR SHARED-USE PATHS
T-M-12	10-10-13	SIGNING AND PAVEMENT MARKINGS FOR URBAN BICYCLE LANES
T-M-13		SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES
T-M-14	11-01-11	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES AT INTERSECTIONS
T-PBR-1	06-30-09	INTERCONNECTED PORTABLE BARRIER RAIL
T-PBR-2	11-01-11	DETAIL FOR VERTICAL PANELS AND FLEXIBLE DELINEATORS
T-RR-1	11-01-11	TYPICAL PAVEMENT MARKING AT RAILROAD HIGHWAY GRADE CROSSINGS AND RAILROAD ADVANCE WARNING SIGN

DWG. NO	REV.	DESCRIPTION
T-RR-2	11-01-11	STANDARD DRAWING FOR RAILROAD AND HIGHWAY CROSSING SIGNAL WITH GATE
T-RR-3	11-01-11	STANDARD DRAWING FOR RAILROAD-HIGHWAY CROSSING SIGNAL
T-RR-4	11-01-11	STANDARD DRAWING FOR TYPICAL CURB & GUTTER PLAN FOR RAILROAD-HIGHWAY CROSSING WITH OR WITHOUT GATES
T-RR-5	11-01-11	STANDARD DRAWING FOR RAILROAD-HIGHWAY CROSSING SIGNAL TYPICAL CANTILEVER SPAN
T-RR-6	10-25-13	TYPICAL SIGNING AND MARKING AT PASSIVE RAILROAD HIGHWAY GRADE CROSSINGS
T-S-6	02-12-91	STANDARD MOUNTING DETAILS - BOLTED EXTRUDED PANELS
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	11-01-11	STANDARD LAYOUT GROUND MOUNTED SIGNS
T-S-10	04-04-12	STANDARD MOUNTING DETAILS FLAT SHEET SIGNS ALUMINUM-STEEL DESIGN
T-S-11	06-06-11	DELINEATOR AND MILEPOST DETAILS
T-S-16	11-01-11	GROUND MOUNTED ROADSIDE SIGN AND DETAILS
T-S-16A	11-01-11	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-17	07-19-13	STANDARD GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-18	02-14-14	END OF ROADWAY AND DEAD END SIGNS, METAL BARRICADES (TYPE III) & WORK ZONE SPEED SIGNS
T-S-19	07-19-13	STANDARD MEMBERS BENDAWAY SIGN SUPPORTS STEEL DESIGN
T-S-20	11-01-11	SIGN DETAILS
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-19	04-02-12	MEDIAN CROSS-OVER DETAIL ON DIVIDED HIGHWAYS
T-WZ-20	12-18-99	GEOMETRIC MEDIAN CROSS-OVER DETAIL ON DIVIDED HIGHWAYS

EROSION PREVENTION AND SEDIMENT CONTROL

DWG. NO	REV.	DESCRIPTION
EC-STR-2	08-01-12	SEDIMENT FILTER BAG
EC-STR-3B	08-01-12	SILT FENCE
EC-STR-3C	08-01-12	SILT FENCE WITH WIRE BACKING
EC-STR-3E	04-01-08	SILT FENCE FABRIC JOINING DETAILS
EC-STR-6	08-01-12	ROCK CHECK DAM
EC-STR-6A	08-01-12	ENHANCED ROCK CHECK DAM
EC-STR-7	08-01-12	SEDIMENT TRAP WITH CHECK DAM
EC-STR-11	08-01-12	CULVERT PROCTECTION TYPE 1
EC-STR-19	04-01-08	CATCH BASIN PROTECTION
EC-STR-25	08-01-12	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
EC-STR-27	08-01-12	TEMPORARY SLOPE DRAIN AND BERM
EC-STR-32	08-01-12	TEMPORARY DIVERSION CULVERTS
EC-STR-34	08-01-12	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION

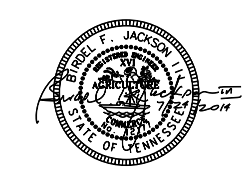
DWG. NO	REV.	DESCRIPTION
EC-STR-36	08-01-12	TURF REINFORCEMENT MAT FOR CHANNEL INSTALLATION
EC-STR-37	08-01-12	SEDIMENT TUBE
EC-STR-42		CATCH BASIN FILTER ASSEMBLY (TYPE 2)
EC-STR-42A		CATCH BASIN FILTER ASSEMBLY (TYPE 2) SLIPCOVER DETAILS
EL-W-2	05-27-01	STANDARD GRAVITY-TYPE RETAINING WALLS

11-12-12

UPDATED REV. DATES

7-23-14

UPDATED DRAWINGS



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INDEX AND STANDARD DRAWINGS

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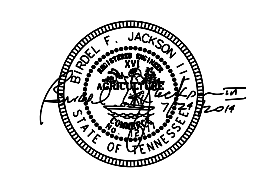
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	36001-3290-14	1C

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

PROJECT COMMITMENTS

COMMITMENT ID	SOURCE DIVISON	DESCRIPTION	STA. / LOCATION
EDEC001	ENVIRONMENT	SEASONAL TREE CUTTING RESTRICTIONS WILL BE REQUIRED ON THIS PROJECT SO THAT TREES ARE ONLY CUT BETWEEN OCTOBER 15 AND MARCH 31 OF EACH YEAR. THIS APPLIES TO TREE CUTTING FOR ANY REASON, INCLUDING UTILITIES	
PDPM001	RIGHT OF WAY	THE STONE FROM THE OLIVE HILL CUMBERLAND PRESBYTERIAN CHURCH SHALL BECOME THE PROPERTY OF THE OLIVE HILL CEMETERY COMMITTEE. MS. LAURA H. LAND SHALL BE CONTACTED AT 731-925-9426 PRIOR TO DEMOLITION OF THE CHURCH.	STA. 729+00 RT. - SR 15 AT JOWERS ROAD
EDHZ001	ENVIRONMENT	AN ASBESTOS CONTAINING MATERIAL (ACM) SURVEY WAS CONDUCTED ON BRIDGE NO. 36SR0150021, SR-15 OVER SMITH FORK CREEK, LM 17.84 (36-SR15-17.84) AND BRIDGE NO. 36SR0150023, SR-15 OVER BIGBEE BRANCH, LM 20.83 (36-SR15-20.83).NO ACM WAS DETECTED. NO SPECIAL ACCOMMODATIONS FOR DEMOLITION AND WASTE DISPOSAL ARE ANTICIPATED FOR THESE BRIDGES AND THE MATERIAL CAN BE DEPOSITED IN A C&D LANDFILL. PLEASE NOTE THAT EVEN THOUGH THE SAMPLES WERE FOUND TO CONTAIN NO ASBESTOS, THE DEMOLITION CONTRACTOR IS REQUIRED TO SUBMIT THE NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS STANDARD 10-DAY NOTICE OF DEMOLITION TO THE TENNESSEE DIVISION OF AIR POLLUTION CONTROL.	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROJECT COMMITMENTS

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	36001-3290-14	2A

ESTIMATED ROADWAY QUANTITIES

NOTE	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	106-04.01	SMPLNG & TSTNG OF POTENTIALLY ACIDIC MAT.	EACH	100
10	201-01	CLEARING AND GRUBBING	LS	1
1	202-01	REMOVAL OF STRUCTURES AND OBSTRUCTIONS (STA. 492+50, 52+00 (JOWERS ROAD))	LS	1
	202-02.01	REMOVAL OF PIPE (12"CMP, STA.447+15. 484+43, 488+90, 512+00, 540+02, 541+48, 669+75, 673+24, 731+90, 484+43)	L.F.	278
	202-02.02	REMOVAL OF PIPE (12" RCP ,STA.486+17)	L.F.	22
	202-02.03	REMOVAL OF PIPE (15" CMP)	L.F.	176
	202-02.04	REMOVAL OF PIPE (18" CMP ,STA.493+03, 538+18, 593+67)	L.F.	78
	202-02.05	REMOVAL OF PIPE (18" RCP)	L.F.	201
	202-02.06	REMOVAL OF PIPE (24" CMP ,STA.442+05, 445+44, 451+86,	L.F.	317
		452+05, 458+21, 588+37, 661+20)		
	202-02.07	REMOVAL OF PIPE (24" RCP)	L.F.	281
	202-02.08	REMOVAL OF PIPE (24" PVC ,STA.655+41)	L.F.	30
	202-02.09	REMOVAL OF PIPE (30" RCP ,STA.465+44, 739+27)	L.F.	180
	202-02.10	REMOVAL OF PIPE (36" RCP)	L.F.	445
	202-02.11	REMOVAL OF PIPE (48" RCP ,STA.543+82, 620+87, 658+07)	L.F.	319
	202-02.12	REMOVAL OF PIPE (66" CMP, STA. 595+40)	L.F.	100
	202-02.13	REMOVAL OF PIPE (72" CMP, STA. 587+74, 595+40)	L.F.	140
	202-04.50	REMOVAL OF STRUCTURES (2-4'X8' RCBC STA. 457+78)	LS	1
	202-04.51	REMOVAL OF STRUCTURES (4'X8' RCBC STA. 470+80 RT.)	LS	1
	202-04.52	REMOVAL OF STRUCTURES (5'X4' RCBC STA. 483+50 LT.)	LS	1
	202-04.53	REMOVAL OF STRUCTURES (3'X4' RCBC STA. 491+30 LT.)	LS	1
	202-04.54	REMOVAL OF STRUCTURES (3'X4' RCBC STA. 501+60 LT.)	LS	1
	202-04.55	REMOVAL OF STRUCTURES (4'X3' RCBC STA. 507+36 LT.)	LS	1
	202-04.56	REMOVAL OF STRUCTURES (4'X6' RCBC STA. 521+50)	LS	1
	202-04.57	REMOVAL OF STRUCTURES (5'X4' RCBC STA. 538+46 LT.)	LS	1
	202-04.58	REMOVAL OF STRUCTURES (2'X2' RCBC STA. 613+46)	LS	1
	202-04.59	REMOVAL OF STRUCTURES (5'X8' RCBC STA. 617+74)	LS	1
	202-04.60	REMOVAL OF STRUCTURES (5'X4' RCBC STA. 627+43 RT.)	LS	1
	202-04.61	REMOVAL OF STRUCTURES (5'X4' RCBC STA. 644+21 RT.)	LS	1
	202-04.62	REMOVAL OF STRUCTURES (4'X3' RCBC STA. 693+66)	LS	1
	202-04.63	REMOVAL OF STRUCTURES (8'X7' RCBC STA. 719+46)	LS	1
	202-13	WATER WELL ABANDONMENT	EACH	5
2,10	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	3204009
3	203-01.07	RD & DRNG EXCV (ACID PRODUCING- OFF SITE DISPOSAL)	C.Y.	181450
	203-01.11	PRESPLITTING OF ROCK EXCAVATION	S.Y.	6911
	203-01.85	ROCK BLASTING	C.Y.	181450
	203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	37260
	203-02.25	BORROW EXCAVATION (GRADED SOLID ROCK) (LIMESTONE)	TON	205040
	203-03.01	BORROW EXCAVATION (SELECT MATERIAL) (CLAY)	C.Y.	108870
	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	28031
	203-06	WATER	M.G.	7060
	203-07	FURNISHING & SPREADING TOPSOIL	C.Y.	15000
	203-08	CHANNEL EXCAVATION (UNCLASSIFIED)	C.Y.	4950
4,9	203-50	CONSTRUCTION OF HAUL ROAD	LS	1
5,9	203-50.01	CONSTRUCTION OF HAUL ROAD	LS	1
	204-08	FOUNDATION FILL MATERIAL	C.Y.	32450
	209-03.23	FILTER SOCK (24 IN)	L.F.	2580
	209-02.07	18" TEMPORARY SLOPE DRAIN	L.F.	8272
	209-05	SEDIMENT REMOVAL	C.Y.	3790
6	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	127982
	209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	120701
	209-08.07	ROCK CHECK DAM PER	EACH	1197
10	209-08.08	ENHANCED ROCK CHECK DAM	EACH	244
	209-09.01	SANDBAGS	BAG	5450
	209-09.03	SEDIMENT FILTER BAG (15' X 15')	EACH	12
	209-10.20	TEMPORARY SEDIMENT TRAP	C.Y.	1002
7	209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.	5000
	209-40.42	CATCH BASIN FILTER ASSEMBLY(TYPE 2)	EACH	42
7	209-65.03	TEMPORARY DIVERSION CHANNEL	L.F.	1000
7	209-65.04	TEMPORARY IN STREAM DIVERSION	L.F.	1000
	303-01	MINERAL AGG, TYPE A BASE, GRADING D (ALT A)	TON	200238
	307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	2803
	307-01.08	ASPHCONC MIX (PG64-22) (BPMB-HM) GRADING B-M2 (ALT A)	TON	4708
	307-02.01	ASPH CONC MIX (PG70-22) (BPMB-HM) GRADING A (ALT A)	TON	32956
	307-02.02	ASPHALT CEMENT (PG70-22)(BPMB-HM) GRADING A-S (ALT A)	TON	28248
	307-02.03	AGGREGATE (BPMB-HM) GRADING A-S MIX (ALT A)	TON	1130
	307-02.08	ASPH CONC MIX (PG70-22) (BPMB-HM) GRADING B-M2 (ALT A)	TON	28248
	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER (ALT A)	TON	4708
	411-02.10	ACS MIX(PG70-22) GRADING D (ALT A)	TON	17655
	303-01	MINERAL AGG, TYPE A BASE, GRADING D (ALT B)	TON	44298
	303-01.01	GRANULAR BACKFILL (ROADWAY)	TON	57000
	303-01.03	GRANULAR BACKFILL (RETAINING WALLS)	TON	450

ESTIMATED ROADWAY QUANTITIES

NOTE	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	307-01.08	ASPHCONC MIX (PG64-22) (BPMB-HM) GRADING B-M2 (ALT B)	TON	4708
	307-02.01	ASPH CONC MIX (PG70-22) (BPMB-HM) GRADING A (ALT B)	TON	32956
	307-02.02	ASPHALT CEMENT (PG70-22)(BPMB-HM) GRADING A-S (ALT B)	TON	28248
	307-02.03	AGGREGATE (BPMB-HM) GRADING A-S MIX (ALT B)	TON	1130
	307-02.08	ASPH CONC MIX (PG70-22) (BPMB-HM) GRADING B-M2 (ALT B)	TON	28248
	309-01.01	MINERAL AGGREGATE (A-CBC) (ALT B)	TON	59064
	309-01.02	PORTLAND CEMENT (A-CBC) (ALT B)	TON	2702
	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER (ALT B)	TON	4708
	411-02.10	ACS MIX(PG70-22) GRADING D (ALT B)	TON	17655
	303-01	MINERAL AGG, TYPE A BASE, GRADING D (ALT D)	TON	164375
	307-01.08	ASPHCONC MIX (PG64-22) (BPMB-HM) GRADING B-M2 (ALT D)	TON	13946
	313-03	TREATED PERMEABLE BASE (ALT D)	S.Y.	221134
	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER (ALT D)	TON	9229
	501-01.01	PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN) 8" (ALT D)	S.Y.	104264
	303-01	MINERAL AGG, TYPE A BASE, GRADING D (ALT E)	TON	163041
	307-01.08	ASPHCONC MIX (PG64-22) (BPMB-HM) GRADING B-M2 (ALT E)	TON	14766
	309-01.01	MINERAL AGGREGATE (A-CBC) (ALT E)	TON	39376
	309-01.02	PORTLAND CEMENT (A-CBC) (ALT E)	TON	1945
	313-03	TREATED PERMEABLE BASE (ALT E)	S.Y.	128400
	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER (ALT E)	TON	9229
	501-01.01	PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN) 8" (ALT E)	S.Y.	100094
	303-02	MINERAL AGGREGATE, TYPE B BASE, GRADING (MAINT ROCK)	TON	5000
	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	2283
	307-01.01	ASPH CONC MIX (PG64-22) (BPMB-HM) GRADING A	TON	2510
	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	455
	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	739
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	60
	411-01.10	ACS MIX(PG64-22) GRADING D (SIDEROADS, DRIVEWAYS)	TON	2566
	411-12.01	SCORING SHOULDERS (CONTINUOUS) (16 IN WIDTH)	L.M.	12
8	415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	1000

11-12-12

UPDATED QUANTITIES

1-14-13

UPDATED QUANTITIES

3-18-14

UPDATED QUANTITIES

7-23-14

UPDATED QUANTITIES

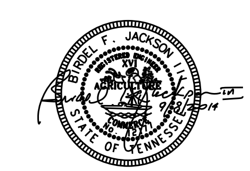
9-8-14

ADDED NOTES

UPDATED QUANTITIES

FOOTNOTES

1. THE STONE FROM THE OLIVE HILL CUMBERLAND PRESBYTERIAN CHURCH SHALL BECOME THE PROPERTY OF THE HILL CEMETERY COMMITTEE. MS. LAURA H. LAND SHALL BE CONTACTED AT 731-925-9426 PRIOR TO DEMOLITION OF THE CHURCH.
2. INCLUDES 7082 C.Y. FOR TEMPORARY BERMS.
3. SEE SOILS SHEETS FOR LOCATION.
4. STA. 590+00
5. STA. 747+30
6. INCLUDES 1152 LF FOR TEMP SEDIMENT FILTER BAGS
7. TO BE USED AS DIRECTED BY FIELD ENGINEER.
8. COLD PLANING AT BEGINNING AND END OF PROJECT.
9. THIS ITEM INCLUDES THE COST OF CONSTRUCTION, MAINTENANCE AND REMOVAL OF THE HAUL ROAD (OR OTHER ACCEPTABLE CONSTRUCTION ACCESS METHOD) AND RESTORATION OF THE DISTURBED AREA WITH TOPSOIL, SEED AND STRAW.
10. INCLUDES QUANTITY FOR NATURAL STREAM DESIGN. SEE SHEET NS-1 FOR DETAILS.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

$$$$SYTIME$$$$
$$$$DGNSPEC$$$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	36001-3290-14	2A1

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	604-01.01	CLASS A CONCRETE (ROADWAY)	C.Y.	827
	604-01.02	STEEL BAR REINFORCEMENT (ROADWAY)	LB.	74915
	606-24.12	TEMPORARY SHEET PILES	S.F.	21500
	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	3727
	607-03.30	18" PIPE CULVERT - HDPE	L.F.	20
	607-05.02	24" CONCRETE PIPE CULVERT (CLASS III)	L.F.	405
	607-05.03	24" CONCRETE PIPE CULVERT (CLASS IV)	L.F.	353
	607-06.02	30" CONCRETE PIPE CULVERT (CLASS III)	L.F.	320
	607-06.03	30" CONCRETE PIPE CULVERT (CLASS IV)	L.F.	589
	607-07.02	36" CONCRETE PIPE CULVERT (CLASS III)	L.F.	657
	607-07.03	36" CONCRETE PIPE CULVERT (CLASS IV)	L.F.	1133
	607-08.02	42" CONCRETE PIPE CULVERT (CLASS III)	L.F.	227
	607-09.02	48" CONCRETE PIPE CULVERT (CLASS III)	L.F.	992
	607-09.03	48" CONCRETE PIPE CULVERT (CLASS IV)	L.F.	317
	607-38.10	66" CORRUGATED METAL PIPE CULVERT (PRECOATED)	L.F.	280
	607-38.11	72" CORRUGATED METAL PIPE CULVERT (PRECOATED)	L.F.	140
	607-39.02	18" PIPE CULVERT (SIDE DRAIN)	L.F.	1753
	607-39.03	24" PIPE CULVERT (SIDE DRAIN)	L.F.	272
	607-39.04	30" PIPE CULVERT (SIDE DRAIN)	L.F.	115
	607-39.10	66" PIPE CULVERT (SIDE DRAIN)	L.F.	100
	607-50.05	PRECAST CONCRETE BOX CULVERT (8' X 4')	L.F.	603
	607-50.12	PRECAST CONCRETE BOX CULVERT (6' X 3')	L.F.	168
	607-50.30	PRECAST CONCRETE BOX BRIDGE (6' X 4')	L.F.	665
	607-50.32	PRECAST CONCRETE BOX BRIDGE (10' X 4')	L.F.	398
	610-07.03	18" PIPE DRAIN (BRIDGE DRAIN)	L.F.	298
	611-02.01	SPRING DRAIN BOX(STA. 523+06 RT.)	EACH	1
	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	325
	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB.	65061
	611-07.03	STRUCTURAL STEEL (PIPE ENDWALLS)	LB.	6047
	611-39.01	CATCH BASINS, TYPE 39, 0' - 4' DEPTH	EACH	2
	611-39.02	CATCH BASINS, TYPE 39, > 4' - 8' DEPTH	EACH	22
	611-39.03	CATCH BASINS, TYPE 39, > 8' - 12' DEPTH	EACH	11
	611-39.04	CATCH BASINS, TYPE 39, > 12' - 16' DEPTH	EACH	4
	611-39.05	CATCH BASINS, TYPE 39, > 16' - 20' DEPTH	EACH	1
	611-39.06	CATCH BASINS, TYPE 39, > 20' - 24' DEPTH	EACH	2
	611-39.07	CATCH BASINS, TYPE 39, > 24' - 28' DEPTH	EACH	1
	621-03.05	36" TEMPORARY DRAINAGE PIPE	L.F.	620
	621-03.07	48" TEMPORARY DRAINAGE PIPE	L.F.	2105
	621-03.09	60" TEMPORARY DRAINAGE PIPE	L.F.	960
	621-03.10	66" TEMPORARY DRAINAGE PIPE	L.F.	500
	703-01	CEMENT CONCRETE DITCH PAVING	C.Y.	350
	705-01.01	GUARDRAIL AT BRIDGE ENDS	L.F.	200
	705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	8525
	705-04.03	GUARDRAIL TERMINAL (TYPE 13)	EACH	19
	705-04.04	GUARDRAIL TERMINAL (TYPE 21)	EACH	27
	705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	26
	705-04.50	PORTABLE BARRIER RAIL DELINEATOR	EACH	200
	705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	10
	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	38555
	708-02.01	MARKERS (CONCRETE R.O.W. POSTS)	EACH	272
3	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	1069
	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	36000
	709-05.08	MACHINED RIP-RAP (CLASS B)	TON	6000
	710-02	AGGREGATE UNDERDRAINS (WITH PIPE)	L.F.	64194
	710-05	LATERAL UNDERDRAIN	L.F.	4200
	710-06.12	LATERAL UNDERDRAIN ENDWALL (3:1)	EACH	50
	710-06.13	LATERAL UNDERDRAIN ENDWALL (4:1)	EACH	30
	710-06.15	LATERAL UNDERDRAIN ENDWALL (6:1)	EACH	30

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	712-01	TRAFFIC CONTROL	LS	1
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	LF	4000
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	200
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	4
	712-05.03	WARNING LIGHTS (TYPE C)	EACH	4
	712-06	SIGNS (CONSTRUCTION)	SF	128
	712-06.01	VERTICAL PANELS	SF	256
	712-07.03	TEMPORARY BARRICADES (TYPE III)	LF	1000
	712-08.03	ARROW BOARD (TYPE C)	EACH	4
1	713-02.15	FLEXIBLE DELINEATOR (YELLOW)	EACH	48
	713-06.01	STEEL I-BEAMS & WF-BEAMS(BREAKSAFE)SIGN SUPPT	LB	8
	713-11.01	"U" SECTION STEEL POSTS	LB	2249
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB	8639
	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	SF	1543
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	SF	1104
	713-13.04	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
2	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	2
	713-16.07	END OF ROADWAY SIGN AND SUPPORT	EACH	4
	713-16.20	SIGNS	EACH	38
	716-01.23	SNWPLWBLE PVMT MRKRS (BI-DIR)(2 COLOR)	EACH	803
	716-01.05	TEMPORARY RAISED PAVEMENT MARKER	EACH	80
	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	LF	200
	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	20
	716-05.01	PAINTED PVMT MARKING (4IN LINE)	LM	39
	716-05.02	PAINTED PVMT MARKING (8IN BARRIER LINE)	LF	1600
	716-12.01	ENHANCED FLATLINE THERMO PVMT MRKNG (4IN LINE)	LM	39
	717-01	MOBILIZATION	LS	1
3	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	7576
	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	61135
	740-11.04	TEMPORARY SEDIMENT TUBE 20IN (DESCRIPTION)	L.F.	54216

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	801-01	SEEDING (WITH MULCH)	UNIT	250
	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	3684
	801-03	WATER (SEEDING & SODDING)	M.G.	3364
	801-07	SEED (SUPPLEMENTAL APPLICATION)	LB.	60
	801-08	FERTILIZER (SUPPLEMENTAL APPLICATION)	TON	11
	801-09	AGRICULTURAL LIME	TON	13850
	802-01.10	TREES (QUERCUS FALCATA 1.25"-1.50" CAL, B&B)	EACH	15
	802-01.11	TREES (FAGUS GRANDIFOLIA 1.25"-1.50" CAL, B&B)	EACH	18
	802-01.12	TREES (ULMUS RUBRUM 1.25"-1.50" CAL, B&B)	EACH	19
	802-01.13	TREES (PLATANUS OCCIDENTALIS 1.25"-1.5" CAL, B&B)	EACH	19
	802-01.14	TREES (ACER NEGUNDO 1.25"-1.50" CAL, B&B)	EACH	16
	803-01	SODDING (NEW SOD)	S.Y.	357500
	805-01.03	TURF REINFORCEMENT MAT (CLASS III)	S.Y.	28500
	805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.	359731
4	806-02.03	PROJECT MOWING	CYCL	7

ESTIMATED BOX BRIDGE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
604-02.01	CLASS A CONCRETE (BOX BRIDGES)	C.Y.	2898
604-02.02	STEEL BAR REINFORCEMENT (BOX BRIDGES)	LB	436383

11-12-12

UPDATED QUANTITIES

1-14-13

UPDATED QUANTITIES

7-15-13

UPDATED QUANTITIES

9-23-13

UPDATED QUANTITIES

3-18-14

UPDATED QUANTITIES

7-23-14

ADDED NOTE

UPDATED QUANTITIES

9-8-14

ADDED NOTES

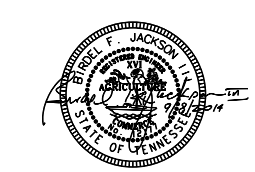
UPDATED QUANTITIES

FOOTNOTES

1. TO BE USED AT ALL MEDIAN OPENINGS.
2. REMOVE SIGN FACE AND SUPPORT ONLY ON SIGNS NO. 1 - 4 & 416 - 419 WHICH ARE OFF THE PROJECTS LIMITS AND APPROXIMATELY 50 EXISTING SIGNS WITHIN THE PROJECT LIMITS OR AS DIRECTED BY THE ENGINEER.
3. INCLUDES QUANTITY FOR NATURAL STREAM DESIGN. SEE SHEET NS-1 FOR DETAILS.
4. THIS ITEM INCLUDES LITTER AND TRASH REMOVAL. THIS WORK WILL NOT BE MEASURED AND PAID FOR BUT WILL BE INCLUDED IN THE COST OF ITEM 806-02.03, PROJECT MOWING, CYCL.

NOTES:

1. SEE SHEET NS-1 FOR NATURAL STREAM DESIGN ESTIMATED QUANTITIES.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	36001-3290-14	2B

ESTIMATED UTILITY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
		36001-3290-14	
760-15.01	1-PH CROSSARM CNSTR DEADEND (VA7)	EACH	3
760-15.02	1-PH DBLE SUPPORTS (VA2 VA1-1)	EACH	23
760-15.03	1-PH TAP (VA5-1 VA5-2)	EACH	27
760-15.04	1-PH SUPPORT (VA1)	EACH	45
760-15.05	1-PH DBLE DEADEND ANGLE (VA4)	EACH	9
760-15.06	1-PH VERTICAL DEADEND (VA6)	EACH	17
760-15.07	1-PH ANGLE (VA3)	EACH	1
760-15.08	1-PH DEADEND SINGLE (VA5)	EACH	10
760-15.09	3 PH CROSSARM DEADEND (SINGLE VC7-1)	EACH	7
760-15.10	3 PH CROSSARM DEADEND (DBLE VC8-3)	EACH	2
760-15.11	3 PH DBLE PRIMARY SUPPORTS (VC1-3)	EACH	6
760-15.12	3 PH DBLE PRIMARY SUPPORTS (ANGLE VC2-2)	EACH	3
760-15.13	3 PH VERTICAL DBLE DEADEND (VC4-1)	EACH	1
760-15.14	3 PH VERITCAL SINGLE DEADEND (VC5)	EACH	1
760-15.15	3 PH VERTICAL CNSTR ANGLE (VC3)	EACH	2
760-15.16	DOWN GUY 7/16 IN (E1-3)	EACH	160
760-15.17	GUY MARKER (E3-10)	EACH	160
760-15.18	OVERHEAD GUY 7/16 IN (E2-3)	EACH	2
760-15.19	ANCHOR ASMBLY PISA TWIN 10IN HELIX (F1-3S)	EACH	102
760-15.20	POLE GROUND (VM2-11 VM2-12)	EACH	115
760-15.21	LIGTHING ARRESTER (VM5-6)	EACH	21
760-15.22	FUSE CUTOUT (VM5-9)	EACH	21
760-15.23	SECONDARY ASSEMBLIES (K11 K11C J6 J8)	EACH	20
760-15.24	TRANSFORMER VG25KVA(ALL 25 KVA'S)*	EACH	1
760-15.25	TRANSFORMER VG15KVA (ALL 15 KVA'S)*	EACH	9
760-15.26	TRANSFORMER VG37.5KVA (ALL 37.5 KVA'S)*	EACH	1
760-15.27	TRANSFORMER VG10KVA (ALL 10 KVA'S)*	EACH	1
760-15.28	TRANSFORMER VG50KVA (ALL 50 KVA'S)*	EACH	1
760-15.29	WOOD POLE (45-3)	EACH	45
760-15.30	WOOD POLE (40-4)	EACH	39
760-15.31	WOOD POLE (50-2)	EACH	22
760-15.32	WOOD POLE (55-2)	EACH	9
760-15.33	WOOD POLE (60-2)	EACH	1
760-15.34	PRIMARY CONDUCTOR (336.4 KCM ACSR)*	L.F.	31335
760-15.35	NEUTRAL CONDUCTOR (3/0 ACSR)*	L.F.	24541
760-15.36	TAP CONDUCTOR (4 ACSR)	L.F.	15518
760-15.37	TAP CONDUCTOR (2 ACSR)	L.F.	1570
760-15.38	SECONDARY CABLE (4 TRIPLEX)	L.F.	359
760-15.39	SECONDARY CABLE (2 TRIPLEX)	L.F.	450
760-15.40	SECONDARY CABLE (1/0 TRIPLEX)	L.F.	272
760-15.41	SECONDARY CABLE (4/0 TRIPLEX)	L.F.	214
760-15.42	RMVE 30 FOOT WOOD POLE (30)	EACH	13
760-15.43	RMVE 35 FOOT WOOD POLE (35)	EACH	66
760-15.44	RMVE 40 FOOT WOOD POLE (40)	EACH	17
760-15.45	RMVE 45 FOOT WOOD POLE (45)	EACH	4
760-15.46	RMVE 50 FOOT WOOD POLE (50)	EACH	2
760-15.47	RMVE 55 FOOT WOOD POLE (55)	EACH	1
760-15.48	RMVE 60 FOOT WOOD POLE (60)	EACH	1
760-15.49	RMVE 1-PH SUPPORT (VA1)	EACH	37
760-15.50	RMVE 1-PH DBLE SUPPORT (VA1-1 VA2)	EACH	24
760-15.51	RMVE 1-PH ANGLE (VA3)	EACH	2
760-15.52	RMVE 1-PH DBLE DEADEND ANGLE (VA4)	EACH	2
760-15.53	RMVE 1-PH TAP (VA5-1 VA5-2 VA5-4)	EACH	20
760-15.54	RMVE 1-PH DEADEND SINGLE (VA5)	EACH	8
760-15.55	RMVE 1-PH VERTICAL DEADEND (A6)	EACH	7
760-15.56	RMVE 1-PH XARM CNSTR DEADEND (VA7)	EACH	3
760-15.57	RMVE 1-PH XARM DBLE DEADEND (VA8)	EACH	1

ESTIMATED UTILITY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
		36001-3290-14	
760-15.58	RMVE 1-PH DBLE XARM CNSTR (VA9)	EACH	2
760-15.59	RMVE 1-PH SINGLE XARM CNSTR (VA9-1)	EACH	1
760-15.60	RMVE 3-PH XARM SUPPORT (VC1)	EACH	1
760-15.61	RMVE 3-PH DBLE XARM SUPPORT (VC1-1)	EACH	1
760-15.62	RMVE 3-PH XARM SUPPORT (VC1-3)	EACH	2
760-15.63	RMVE 3-PH XARM SUPPORT (VC2-2)	EACH	3
760-15.64	RMVE 3-PH VERTICAL CNSTR (VC3-1 VC3)	EACH	1
760-15.65	RMVE 3-PH XARM DEADEND SINGLE (VC7)	EACH	2
760-15.66	RMVE 3-PH XARM DEADEND DBLE (VC8)	EACH	1
760-15.67	RMVE LIGHTING ARRESTER (VM5-6)	EACH	1
760-15.68	RMVE FUSE CUTOUT (VM5-9)	EACH	7
760-15.69	RMVE SRVCE DROPS ALL SIZES & TYPES(6 TO 4/0)	L.F.	1940
760-15.70	RMVE SEC CABLE ALL SIZES & TYPES (6 TO 4/0)	L.F.	5042
760-15.71	RMVE CROSSARM PINS (VM5-5 VM5-2)	EACH	6
760-15.72	RMVE SECONDARY METERING (M8)	EACH	4
760-15.73	RMVE UG SRVCE & CONDUIT (2 TO 4/0 TRIPLEX)	L.F.	75
760-15.74	RMVE CONDUCTOR (ALL SIZE COPPER)	L.F.	11526
760-15.75	RMVE CONDUCTOR (4 ACSR)	L.F.	40660
760-15.76	RMVE CONDUCTOR (2 ACSR)	L.F.	3454
760-15.77	RMVE CONDUCTOR (1/0 ACSR)	L.F.	8496
760-15.78	RMVE SECONDARY ASSEMBLIES (ALL K & J)	EACH	56
760-15.79	RMVE DOWN GUY & GUY GUARD(ALL E1-)	EACH	70
760-15.80	RMVE ANCHOR (ALL F1-)	EACH	65
760-15.81	RMVE OVERHEAD GUY (ALL E2-)	EACH	8
760-15.82	RMVE SECURITY LIGHT (M26-5)	EACH	10
760-15.83	RMVE TRANSFORMER (10KVA TO 50KVA)	EACH	24
760-15.84	ROCK HOLE DRILL	EACH	1
775-71.01	6" C900-07 PC 305 PVC WATERLINE	L.F.	22621
775-71.02	4" C900-07 PC 305 PVC WATERLINE	L.F.	6454
775-71.03	4" HDPE DR 7 WATERLINE	L.F.	101
775-71.04	2" HDPE DR 7 WATERLINE	L.F.	1022
775-71.05	8" HDPE DR 7 INSTALLED IN CASING	L.F.	1138
775-71.06	6" HDPE DR 7 INSTALLED IN CASING	L.F.	457
775-71.07	4" HDPE DR 7 INSTALLED IN CASING	L.F.	443
775-71.08	2" HDPE DR 7 INSTALLED IN CASING	L.F.	255
775-71.09	8" HDPE DR 7 DIRECTIONAL BORE CREEK CROSSING	L.F.	600
775-71.10	6" GATE VALVE & BOX	EACH	13
775-71.11	4" GATE VALVE & BOX	EACH	7
775-71.12	2" GATE VALVE & BOX	EACH	2
775-71.13	DIP FITTINGS	LB.	11000
775-71.14	WITNESS POST	EACH	139
775-71.15	2" TIE - CUT IN 90 TO EXISTING LINE	EACH	2
775-71.16	2" TAP & VALVE	EACH	4
775-71.17	4" WET TAP & VALVE	EACH	8
775-71.18	6" WET TAP & VALVE	EACH	1
775-71.19	4" HYDRA-STOP INSERTION VALVE	EACH	8
775-71.20	6" HYDRA-STOP INSERTION VALVE	EACH	1
775-71.21	FIRE HYDRANT ASSEMBLY	EACH	2
775-71.22	2-1/2" BLOW OFF	EACH	7
775-71.23	3/4" SERVICE METER INSTALLATION	L.F.	42
775-71.24	3/4" COPPER SERVICE LINE (TRENCHED)	L.F.	1065
775-71.25	14" CASED ROAD BORE (INCLUDING SPACERS)	L.F.	1110
775-71.26	12" CASED ROAD BORE (INCLUDING SPACERS)	L.F.	453
775-71.27	8" CASED ROAD BORE (INCLUDING SPACERS)	L.F.	216
775-71.28	6" CASED ROAD BORE (INCLUDING SPACERS)	L.F.	255
775-71.29	12" CASING TRENCHED (INCLUDING SPACERS)	L.F.	259
775-71.30	8" CASING TRENCHED (INCLUDING SPACERS)	L.F.	332

ESTIMATED UTILITY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
		36001-3290-14	
775-71.31	MANUAL AIR RELEASE VALVE & BOX	EACH	8
775-71.32	ROCK EXCAVATION IN WATERLINE TRENCH	C.Y.	280

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED UTILITIES QUANTITIES

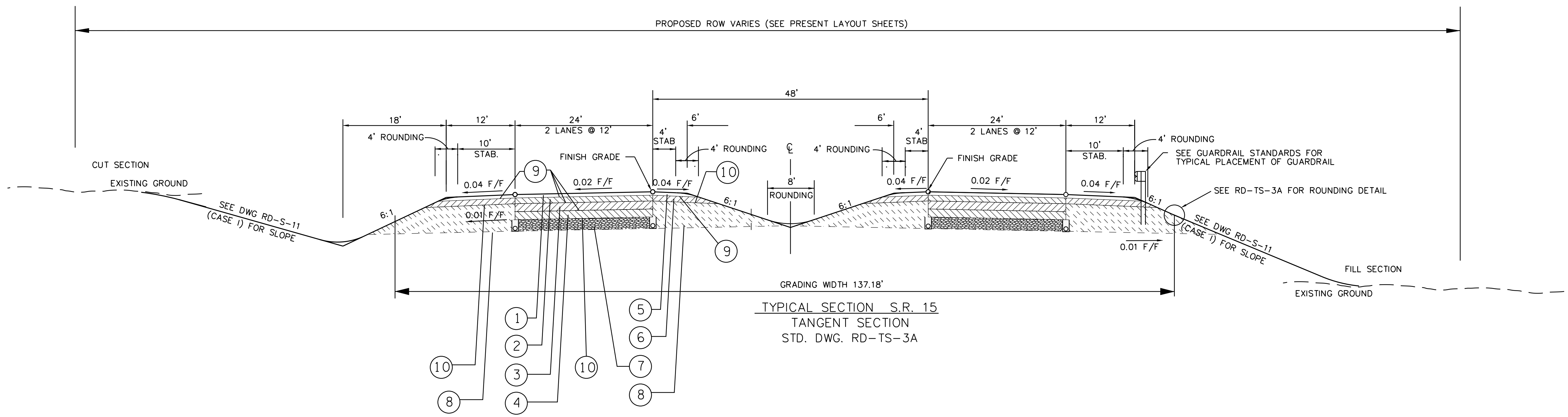
$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	2C
CONST	2014	36001-3290-14	

07-23-2014

UPDATED PAVEMENT SECTIONS



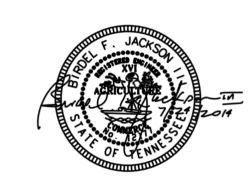
TYPICAL SECTION S.R. 15
TANGENT SECTION
STD. DWG. RD-TS-3A

BEG OF PROJECT TO STA. 451+98.67
STA. 460+87.73 TO STA. 465+74.34
STA. 476+64.49 TO STA. 477+18.18
STA. 487+14.63 TO STA. 507+03.49
STA. 522+11.03 TO STA. 561+75.53
STA. 574+40.25 TO STA. 578+64.52
STA. 586+20.26 TO STA. 624+06.19
STA. 630+40.23 TO STA. 633+54.14
STA. 638+36.47 TO STA. 660+61.02
STA. 665+53.62 TO STA. 665+79.90
STA. 672+44.07 TO STA. 679+80.91
STA. 698+11.36 TO STA. 708+95.69
STA. 719+07.20 TO STA. 735+01.98
STA. 743+04.86 TO STA. 743+14.64
STA. 749+03.61 TO END OF PROJECT

ALTERNATE A

PROPOSED PAVEMENT SCHEDULE

1	BITUMINOUS SURFACING AT 1¼" THICK (ROADWAY), 137.5 LBS/SY 411-02.10 ACS MIX (PG70-22) GRADING D	4	BITUM PLANT MIX BASE AT 3 " THICK (ROADWAY), 330LBS/SY 307-02.02 ASPHALT CEMENT (PG70-22) GRADING A-S BITUM PLANT MIX BASE AT 3 " THICK (ROADWAY), 330 LBS/SY 307-02.03 AGGREGATE GRADING A-S MIX	7	MINERAL AGGREGATE BASE AT 10" THICK (ROADWAY) 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
2	BITUMINOUS BINDER AT 2" THICK (ROADWAY), 220 LBS/SY 307-02.08 ASPHALT CONCRETE MIX (PG70-22) GRADING B-M2	5	BITUM SURFACING AT 1¼" THICK (SHOULDER), 137.5 LBS/SY 411-01.07 ACS MIX (PG64-22) GRADING E	8	MINERAL AGGREGATE BASE AT 16.5" THICK (SHOULDER) 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
				9	TACK COAT, 0.07 GAL/SY 403-01 BITUMINOUS MATERIAL FOR TACK COAT
3	BITUMINOUS PLANT MIX BASE AT 3.5" THICK (ROADWAY), 385 LBS/SY 307-02.01 ASPHALT CONCRETE MIX (PG70-22) GRADING A	6	BITUMINOUS BINDER AT 2" THICK (SHOULDER), 220 LBS/SY 307-01.08 ASPHALT CONCRETE MIX (PG64-22) GRADING B-M2	10	PRIME COAT, 0.35 GAL/SY 402-01 BITUMINOUS MATERIAL FOR PRIME COAT



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
TYPICAL SECTIONS

NOT TO SCALE

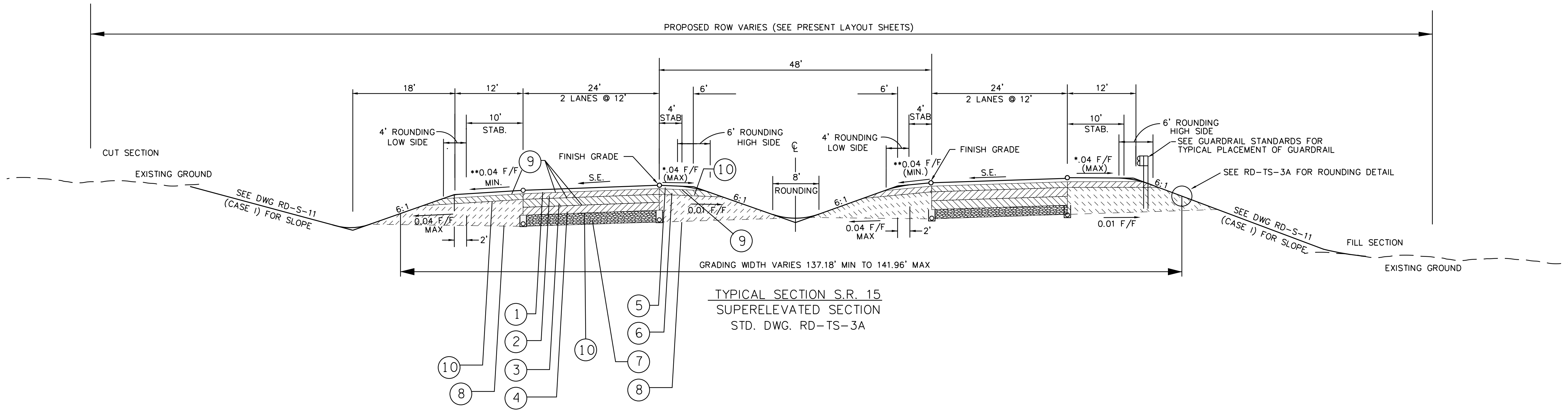
$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	2D
CONST	2014	36001-3290-14	

07-23-2014

UPDATED PAVEMENT SECTIONS



TYPICAL SECTION S.R. 15
SUPERELEVATED SECTION
STD. DWG. RD-TS-3A

* THE SLOPES OF THE SHOULDER AND ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 0.07 FOOT PER FOOT.

* * SHOULDER SLOPE EQUALS SUPERELEVATION RATE WHEN S.E. IS GREATER THAN 0.04 FOOT PER FOOT.

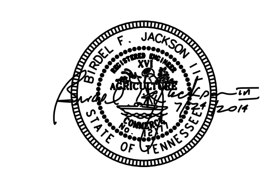
STA. 451+98.67 TO STA. 460+87.73
STA. 465+74.34 TO STA. 476+64.49
STA. 477+18.18 TO STA. 487+14.63
STA. 507+03.49 TO STA. 522+11.03
STA. 561+75.53 TO STA. 574+40.25
STA. 578+64.52 TO STA. 586+20.26
STA. 624+06.19 TO STA. 630+40.23

STA. 633+54.14 TO STA. 638+36.47
STA. 660+61.02 TO STA. 665+53.62
STA. 665+79.90 TO STA. 672+44.07
STA. 679+80.91 TO STA. 698+11.36
STA. 708+95.69 TO STA. 719+07.20
STA. 735+01.98 TO STA. 743+04.86
STA. 743+14.64 TO STA. 749+03.61

ALTERNATE A

PROPOSED PAVEMENT SCHEDULE

1	BITUMINOUS SURFACING AT 1¼" THICK (ROADWAY), 137.5 LBS/SY 411-02.10 ACS MIX (PG70-22) GRADING D	4	BITUM PLANT MIX BASE AT 3 " THICK (ROADWAY), 330LBS/SY 307-02.02 ASPHALT CEMENT (PG70-22) GRADING A-S BITUM PLANT MIX BASE AT 3 " THICK (ROADWAY), 330 LBS/SY 307-02.03 AGGREGATE GRADING A-S MIX	7	MINERAL AGGREGATE BASE AT 10" THICK (ROADWAY) 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
2	BITUMINOUS BINDER AT 2" THICK (ROADWAY), 220 LBS/SY 307-02.08 ASPHALT CONCRETE MIX (PG70-22) GRADING B-M2	5	BITUM SURFACING AT 1¼" THICK (SHOULDER), 137.5 LBS/SY 411-01.07 ACS MIX (PG64-22) GRADING E	8	MINERAL AGGREGATE BASE AT 16.5" THICK (SHOULDER) 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
				9	TACK COAT, 0.07 GAL/SY 403-01 BITUMINOUS MATERIAL FOR TACK COAT
3	BITUMINOUS PLANT MIX BASE AT 3.5" THICK (ROADWAY), 385 LBS/SY 307-02.01 ASPHALT CONCRETE MIX (PG70-22) GRADING A	6	BITUMINOUS BINDER AT 2" THICK (SHOULDER), 220 LBS/SY 307-01.08 ASPHALT CONCRETE MIX (PG64-22) GRADING B-M2	10	PRIME COAT, 0.35 GAL/SY 402-01 BITUMINOUS MATERIAL FOR PRIME COAT



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
TYPICAL SECTIONS

NOT TO SCALE

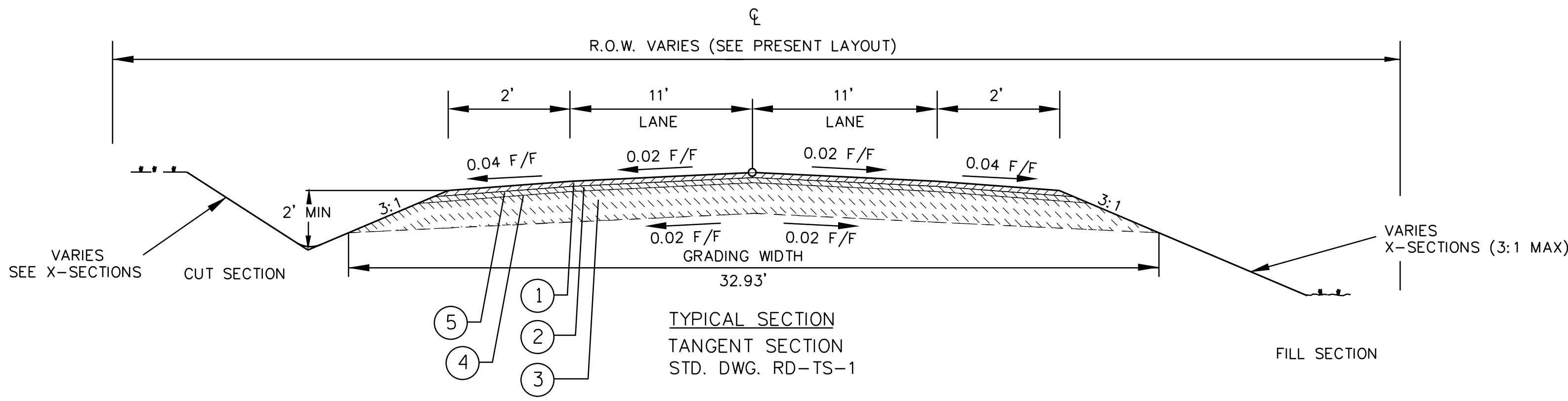
$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	2E
CONST	2014	36001-3290-14	

07-23-2014

UPDATED PAVEMENT SECTIONS

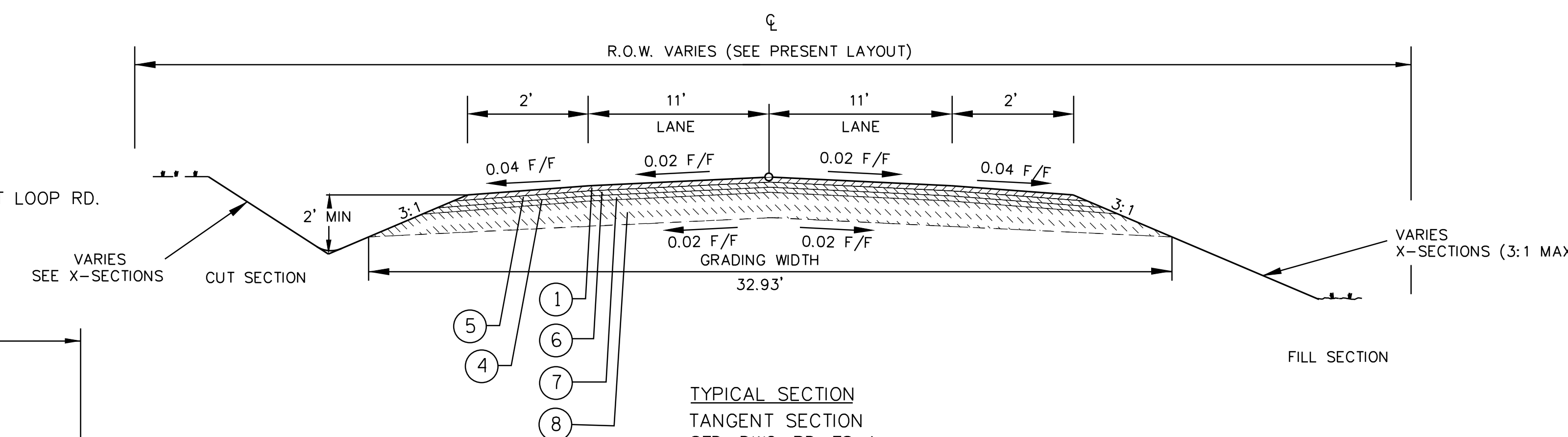
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



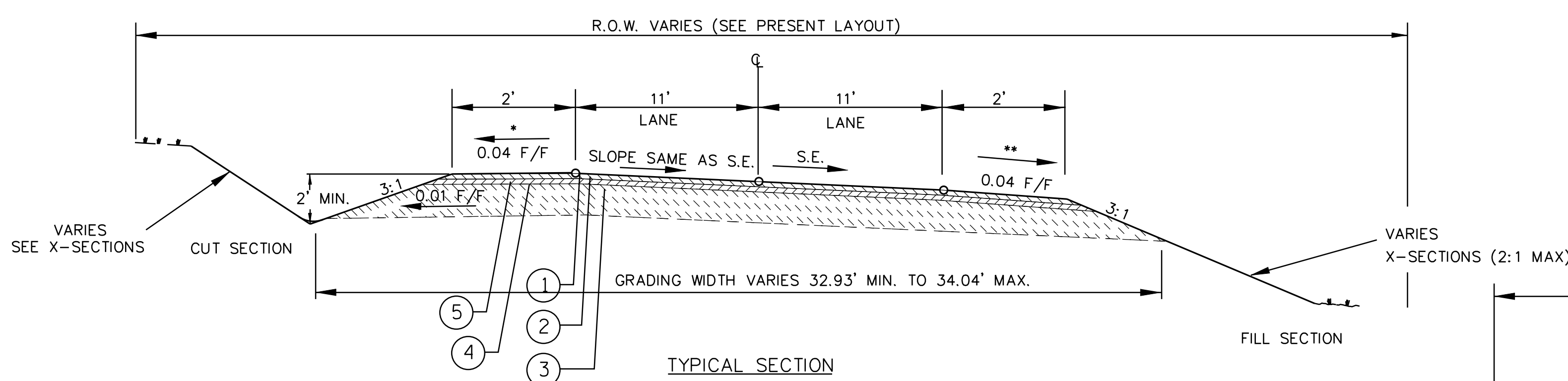
TYPICAL SECTION
TANGENT SECTION
STD. DWG. RD-TS-1

STANFILL LANE	STA. 492+60.03 (LT)
HIDDEN CAVE LANE	STA. 547+25.03 (RT)
SMITH FORK ROAD	STA. 558+50.03 (LT)
LONESOME PINE ROAD	STA. 558+50.03 (RT)
SHADY GROVE ROAD (W)	STA. 580+00.03 (RT)

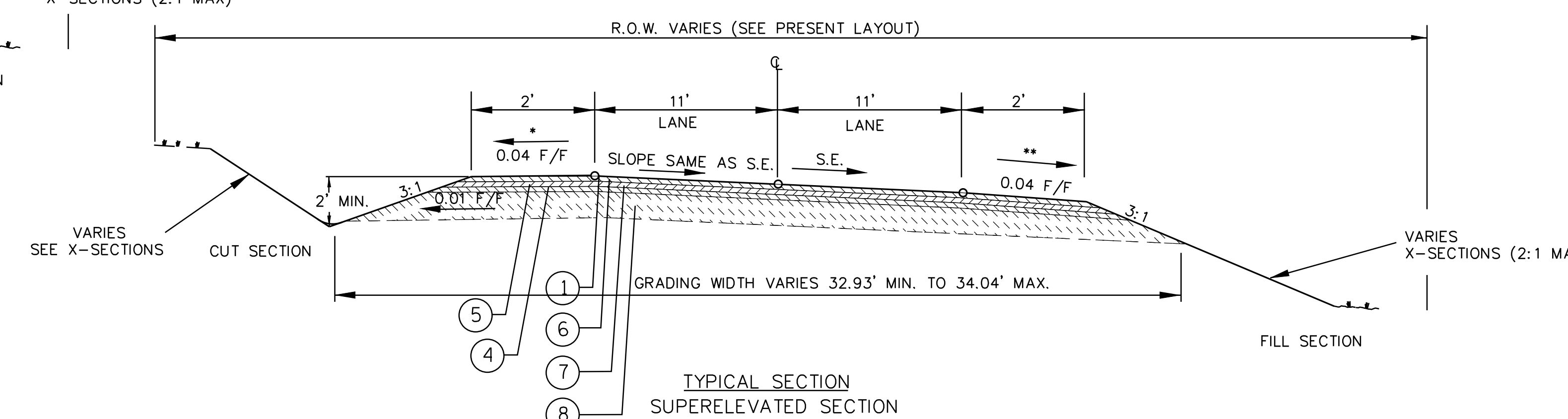
COY HILL ROAD	STA. 664+25.02 (RT)
CERRO GORDO ROAD	STA. 664+25.03 (LT)
MYSTIC SPRINGS ROAD	STA. 681+50.03 (LT)
BAPTIST LOOP ROAD	STA. 728+13.92 (LT)
LOW WATER BRIDGE ROAD	STA. 45+81.82 (LT), BAPTIST LOOP RD.
OLD SCHOOL HOUSE ROAD	STA. 736+33.83 (RT)



TYPICAL SECTION
TANGENT SECTION
STD. DWG. RD-TS-1
JOWERS ROAD STA. 728+13.92 (RT)



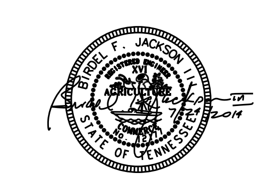
TYPICAL SECTION
SUPERELEVATED SECTION
STD. DWG. RD-TS-1



TYPICAL SECTION
SUPERELEVATED SECTION
STD. DWG. RD-TS-1
JOWERS ROAD STA. 728+13.92 (RT)

PROPOSED PAVEMENT SCHEDULE

(1)	BITUM SURFACING AT 1¼" THICK (ROADWAY), 137.5 LBS/SY 411-01.10 ACS MIX (PG64-22) GRADING D	(4)	PRIME COAT, 0.35 GAL/SY 402-01 BITUMINOUS MATERIAL FOR PRIME COAT	(6)	BITUM SURFACING AT 2" THICK (ROADWAY), 220 LBS/SY 307-01.08 ACS MIX (PG64-22) GRADING B-M2
(2)	BITUM BINDER AT 2¼" THICK (ROADWAY), 247.5 LBS/SY 307-01.01 ASPHALT CONCRETE MIX(PG64-22) (BPMB-HM)GRADING A	(5)	TACK COAT, 0.07 GAL/SY 403-01 BITUMINOUS MATERIAL FOR TACK COAT	(7)	BITUM BINDER AT 3" THICK (ROADWAY), 330 LBS/SY 307-01.01 ASPHALT CONCRETE MIX(PG64-22)GRADING A
(3)	MINERAL AGGREGATE BASE AT 10" THICK (ROADWAY) 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D			(8)	MINERAL AGGREGATE BASE AT 6" THICK (ROADWAY) 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
TYPICAL SECTIONS

NOT TO SCALE

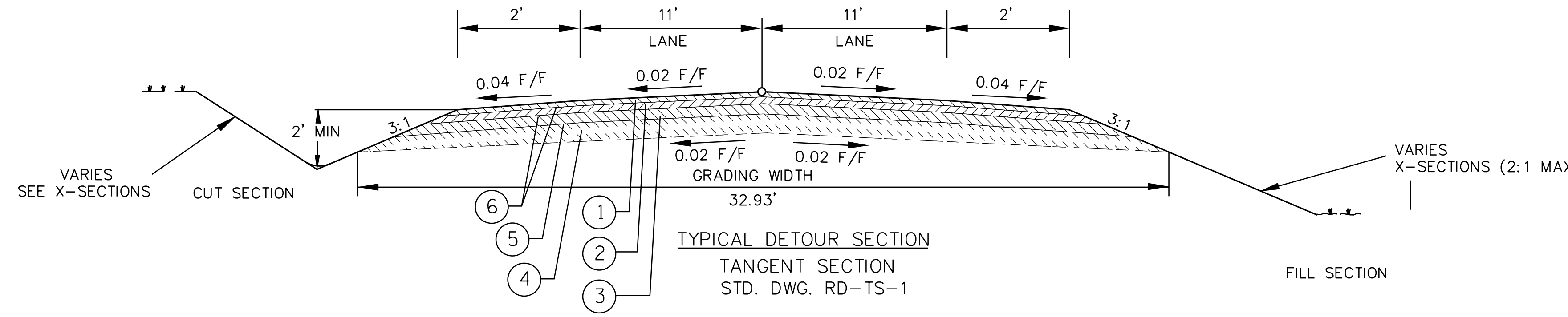
$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	2F
CONST	2014	36001-3290-14	

07-23-2014

UPDATED PAVEMENT SECTIONS



TYPICAL DETOUR SECTION
TANGENT SECTION
STD. DWG. RD-TS-1

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

* * SHOULDER SLOPE EQUALS SUPERELEVATION RATE WHEN S.E. IS GREATER THAN 0.04 FOOT PER FOOT.

PROPOSED PAVEMENT SCHEDULE

1	BITUM SURFACING AT 1¼" THICK (ROADWAY), 137.5 LBS/SY 411-01.10 ACS MIX (PG64-22) GRADING D	4	MINERAL AGGREGATE BASE AT 6" THICK (ROADWAY) 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
2	BITUM BINDER AT 2" THICK (ROADWAY), 220 LBS/SY 307-01.08 ASPHALT CONCRETE MIX (PG64-22) GRADING B-M2	5	PRIME COAT, 0.35 GAL/SY 402-01 BITUMINOUS MATERIAL FOR PRIME COAT
3	BITUMINOUS BASE AT 3" THICK (ROADWAY), 330 LBS/SY 307-01.01 ASPHALT CONCRETE MIX (PG64-22) GRADING A	6	TACK COAT, 0.07 GAL/SY 403-01 BITUMINOUS MATERIAL FOR TACK COAT

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
TYPICAL SECTIONS

NOT TO SCALE

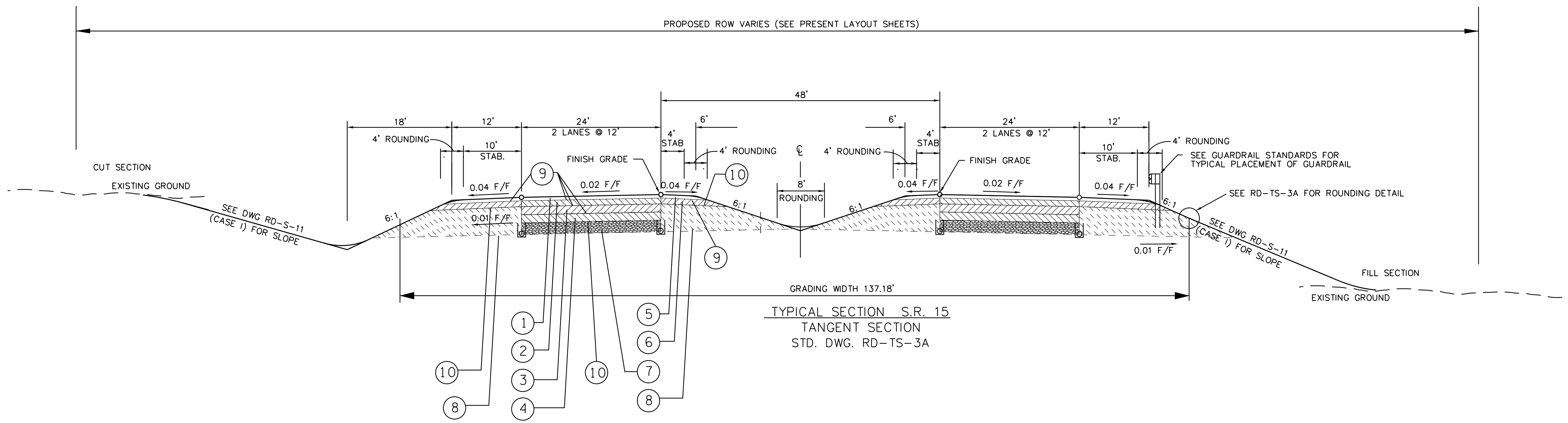
$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	2G
CONST	2014	36001-3290-14	

07-23-2014

UPDATED PAVEMENT SECTIONS



TYPICAL SECTION S.R. 15
TANGENT SECTION
STD. DWG. RD-TS-3A

BEG OF PROJECT TO STA. 451+98.67
STA. 460+87.73 TO STA. 465+74.34
STA. 476+64.49 TO STA. 477+18.18
STA. 487+14.63 TO STA. 507+03.49
STA. 522+11.03 TO STA. 561+75.53
STA. 574+40.25 TO STA. 578+64.52
STA. 586+20.26 TO STA. 624+06.19
STA. 630+40.23 TO STA. 633+54.14
STA. 638+36.47 TO STA. 660+61.02
STA. 665+53.62 TO STA. 665+79.90
STA. 672+44.07 TO STA. 679+80.91
STA. 698+11.36 TO STA. 708+95.69
STA. 719+07.20 TO STA. 735+01.98
STA. 743+04.86 TO STA. 743+14.64
STA. 749+03.61 TO END OF PROJECT

ALTERNATE B

PROPOSED PAVEMENT SCHEDULE

1	BITUMINOUS SURFACING AT 1¼" THICK (ROADWAY), 137.5 LBS/SY 411-02.10 ACS MIX (PG70-22) GRADING D	4	BITUM PLANT MIX BASE AT 3 " THICK (ROADWAY), 330 LBS/SY 307-02.02 ASPHALT CEMENT (PG70-22) GRADING A-S BITUM PLANT MIX BASE AT 3 " THICK (ROADWAY), 330 LBS/SY 307-02.03 AGGREGATE GRADING A-S MIX	7	CEMENT TREATED BASE AT 6" THICK (ROADWAY) 309-01.01 MINERAL AGGREGATE (A-CBC) 309-01.02 PORTLAND CEMENT (A-CBC)
2	BITUMINOUS BINDER AT 2" THICK (ROADWAY), 220 LBS/SY 307-02.08 ASPHALT CONCRETE MIX (PG70-22) GRADING B-M2	5	BITUM SURFACING AT 1¼" THICK (SHOULDER), 137.5 LBS/SY 411-01.07 ACS MIX (PG64-22) GRADING E	8	MINERAL AGGREGATE BASE AT 12.5" THICK (SHOULDER) 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
				9	TACK COAT, 0.07 GAL/SY 403-01 BITUMINOUS MATERIAL FOR TACK COAT
3	BITUMINOUS PLANT MIX BASE AT 3.5" THICK (ROADWAY), 385 LBS/SY 307-02.01 ASPHALT CONCRETE MIX (PG70-22) GRADING A	6	BITUM BINDER AT 2" THICK (SHOULDER), 220 LBS/SY 307-01.08 ASPHALT CONCRETE MIX (PG64-22) GRADING B-M2	10	PRIME COAT, 0.35 GAL/SY 402-01 BITUMINOUS MATERIAL FOR PRIME COAT

BIRDEL F. JACKSON III
REGISTERED ENGINEER
AGRICULTURE COMMERCE
No. 12771
STATE OF TENNESSEE
7-24-2014

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
TYPICAL SECTIONS

NOT TO SCALE

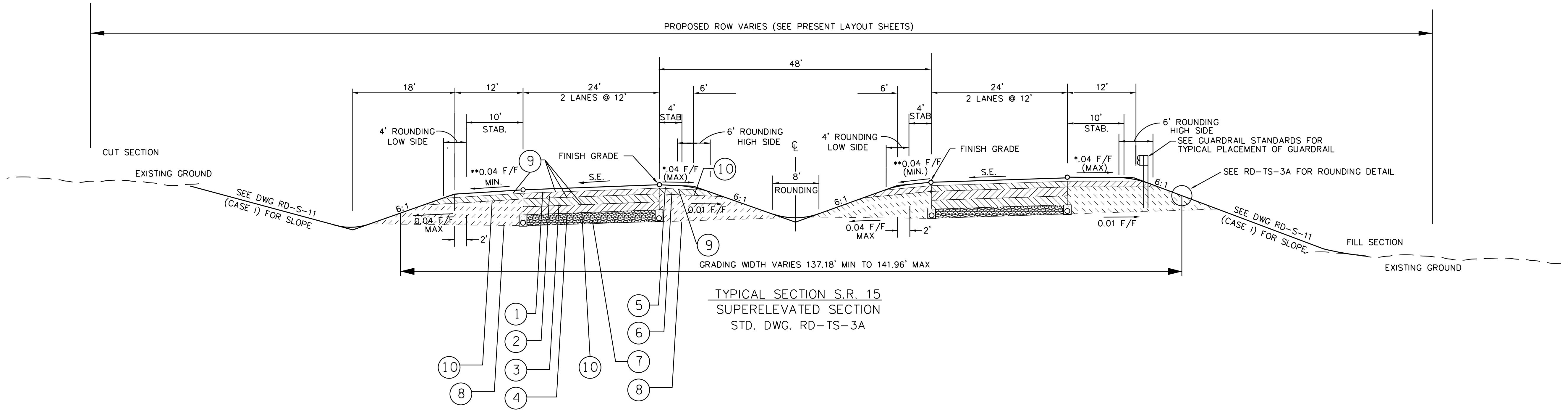
$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	2H
CONST	2014	36001-3290-14	

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

07-23-2014

UPDATED PAVEMENT SECTIONS



TYPICAL SECTION S.R. 15
SUPERELEVATED SECTION
STD. DWG. RD-TS-3A

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

* * SHOULDER SLOPE EQUALS SUPERELEVATION RATE WHEN S.E. IS GREATER THAN 0.04 FOOT PER FOOT.

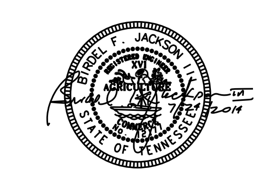
STA. 451+98.67 TO STA. 460+87.73
STA. 465+74.34 TO STA. 476+64.49
STA. 477+18.18 TO STA. 487+14.63
STA. 507+03.49 TO STA. 522+11.03
STA. 561+75.53 TO STA. 574+40.25
STA. 578+64.52 TO STA. 586+20.26
STA. 624+06.19 TO STA. 630+40.23

STA. 633+54.14 TO STA. 638+36.47
STA. 660+61.02 TO STA. 665+53.62
STA. 665+79.90 TO STA. 672+44.07
STA. 679+80.91 TO STA. 698+11.36
STA. 708+95.69 TO STA. 719+07.20
STA. 735+01.98 TO STA. 743+04.86
STA. 743+14.64 TO STA. 749+03.61

ALTERNATE B

PROPOSED PAVEMENT SCHEDULE

1	BITUM SURFACING AT 1¼" THICK (ROADWAY), 137.5 LBS/SY 411-02.10 ACS MIX (PG70-22) GRADING D	4	BITUM PLANT MIX BASE AT 3 " THICK (ROADWAY), 330 LBS/SY 307-02.02 ASPHALT CEMENT (PG70-22) GRADING A-S BITUM PLANT MIX BASE AT 3 " THICK (ROADWAY), 330 LBS/SY 307-02.03 AGGREGATE GRADING A-S MIX	7	CEMENT TREATED BASE AT 6" THICK (ROADWAY) 309-01.01 MINERAL AGGREGATE (A-CBC) 309-01.02 PORTLAND CEMENT (A-CBC)
2	BITUM BINDER AT 2" THICK (ROADWAY), 220 LBS/SY 307-02.08 ASPHALT CONCRETE MIX (PG70-22) GRADING B-M2	5	BITUM SURFACING AT 1¼" THICK (SHOULDER), 137.5 LBS/SY 411-01.07 ACS MIX (PG64-22) GRADING E	8	MINERAL AGGREGATE BASE AT 12.5" THICK (SHOULDER) 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
				9	TACK COAT, 0.07 GAL/SY 403-01 BITUMINOUS MATERIAL FOR TACK COAT
3	BITUM PLANT MIX BASE AT 3.5" THICK (ROADWAY), 385 LBS/SY 307-02.01 ASPHALT CONCRETE MIX (PG70-22) GRADING A	6	BITUM BINDER AT 2" THICK (SHOULDER), 220 LBS/SY 307-01.08 ASPHALT CONCRETE MIX (PG64-22) GRADING B-M2	10	PRIME COAT, 0.35 GAL/SY 402-01 BITUMINOUS MATERIAL FOR PRIME COAT



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
TYPICAL SECTIONS

NOT TO SCALE

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$

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

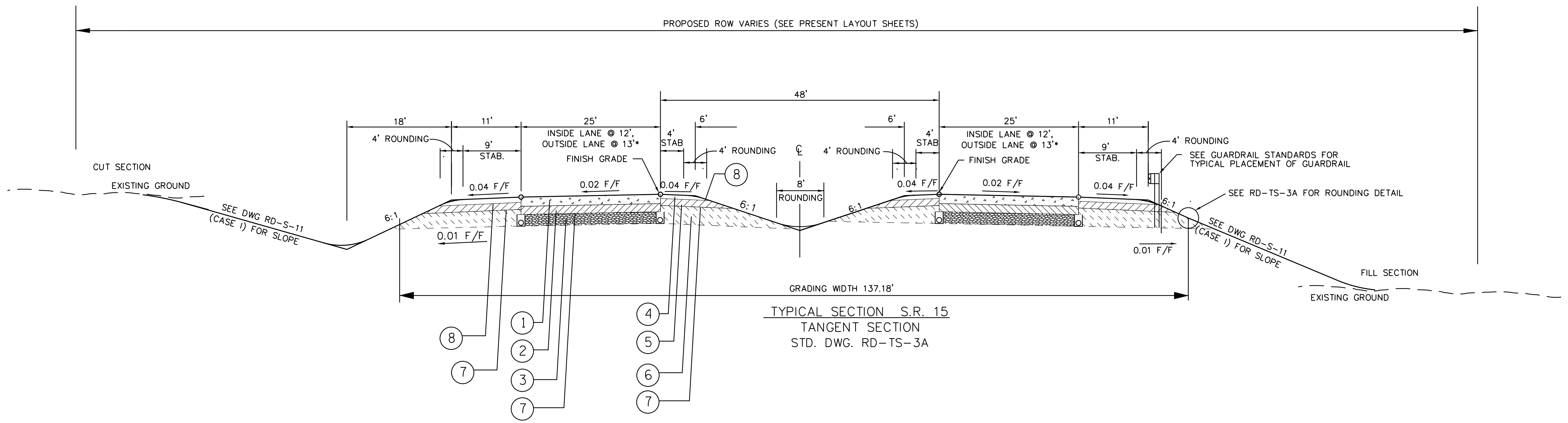
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	2I
CONST	2014	36001-3290-14	

07-23-2014

UPDATED PAVEMENT SECTIONS

9-8-14

UPDATED ITEM NUMBER IN PVMT SCHEDULE '1' TO 501-01.01



TYPICAL SECTION S.R. 15
TANGENT SECTION
STD. DWG. RD-TS-3A

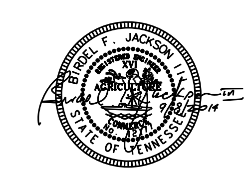
* OUTSIDE LANE TO BE STRIPED AT 12'

BEG OF PROJECT TO STA. 451+98.67
STA. 460+87.73 TO STA. 465+74.34
STA. 476+64.49 TO STA. 477+18.18
STA. 487+14.63 TO STA. 507+03.49
STA. 522+11.03 TO STA. 561+75.53
STA. 574+40.25 TO STA. 578+64.52
STA. 586+20.26 TO STA. 624+06.19
STA. 630+40.23 TO STA. 633+54.14
STA. 638+36.47 TO STA. 660+61.02
STA. 665+53.62 TO STA. 665+79.90
STA. 672+44.07 TO STA. 679+80.91
STA. 698+11.36 TO STA. 708+95.69
STA. 719+07.20 TO STA. 735+01.98
STA. 743+04.86 TO STA. 743+14.64
STA. 749+03.61 TO END OF PROJECT

ALTERNATE D

PROPOSED PAVEMENT SCHEDULE

1	CONCRETE SURFACING AT 8" THICK (ROADWAY) 501-01.01 PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN)	4	BITUM SURFACING AT 1¼" THICK (SHOULDER), 137.5 LBS/SY 411-01.07 ACS MIX (PG64-22) GRADING E	7	PRIME COAT, 0.35 GAL/SY 402-01 BITUMINOUS MATERIAL FOR PRIME COAT
2	BASE AT 4" THICK (ROADWAY) 313-03 TREATED PERMEABLE BASE	5	BITUM BINDER AT 2" THICK (SHOULDER), 220 LBS/SY 307-01.08 ASPHALT CONCRETE MIX (PG64-22) GRADING B-M2	8	TACK COAT, 0.07 GAL/SY 403-01 BITUMINOUS MATERIAL FOR PRIME COAT
3	MINERAL AGGREGATE BASE AT 6" THICK (ROADWAY) 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	6	MINERAL AGGREGATE BASE AT 14.75" THICK (SHOULDER) 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D		



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
TYPICAL SECTIONS

NOT TO SCALE

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$$$

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

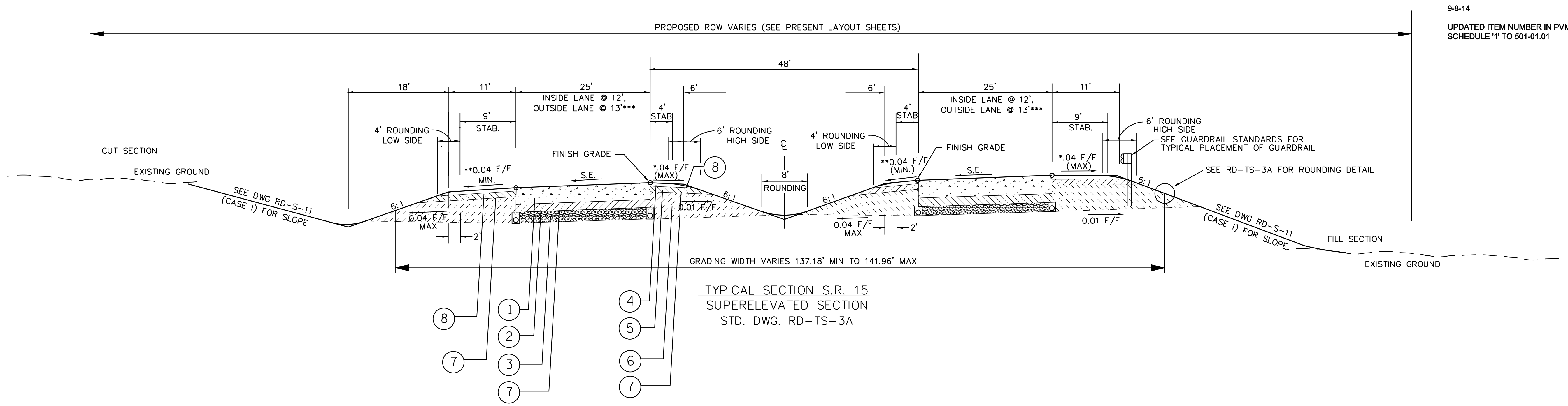
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	2J
CONST	2014	36001-3290-14	

07-23-2014

UPDATED PAVEMENT SECTIONS

9-8-14

UPDATED ITEM NUMBER IN PVMT SCHEDULE '1' TO 501-01.01



TYPICAL SECTION S.R. 15
SUPERELEVATED SECTION
STD. DWG. RD-TS-3A

* THE SLOPES OF THE SHOULDER AND ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 0.07 FOOT PER FOOT.

* * SHOULDER SLOPE EQUALS SUPERELEVATION RATE WHEN S.E. IS GREATER THAN 0.04 FOOT PER FOOT.

*** OUTSIDE LANE TO BE STRIPED AT 12'

STA. 451+98.67 TO STA. 460+87.73
STA. 465+74.34 TO STA. 476+64.49
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STA. 633+54.14 TO STA. 638+36.47
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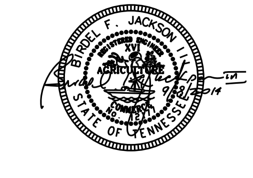
STA. 665+79.90 TO STA. 672+44.07
STA. 679+80.91 TO STA. 698+11.36
STA. 708+95.69 TO STA. 719+07.20
STA. 735+01.98 TO STA. 743+04.86
STA. 743+14.64 TO STA. 749+03.61

ALTERNATE D

PROPOSED PAVEMENT SCHEDULE

1	CONCRETE SURFACING AT 8" THICK (ROADWAY) 501-01.01 PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN)	4	BITUM SURFACING AT 1¼" THICK (SHOULDER), 137.5 LBS/SY 411-01.07 ACS MIX (PG64-22) GRADING E	7	PRIME COAT, 0.35 GAL/SY 402-01 BITUMINOUS MATERIAL FOR PRIME COAT
2	BASE AT 4" THICK (ROADWAY) 313-03 TREATED PERMEABLE BASE	5	BITUM BINDER AT 2" THICK (SHOULDER), 220 LBS/SY 307-01.08 ASPHALT CONCRETE MIX (PG64-22) GRADING B-M2	8	TACK COAT, 0.07 GAL/SY 403-01 BITUMINOUS MATERIAL FOR PRIME COAT
3	MINERAL AGGREGATE BASE AT 6" THICK (ROADWAY) 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	6	MINERAL AGGREGATE BASE AT 14.75" THICK (SHOULDER) 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D		



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
TYPICAL SECTIONS

NOT TO SCALE

$$$$SYTIME$$$$$
$$$$DGNSPEC$$$$

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

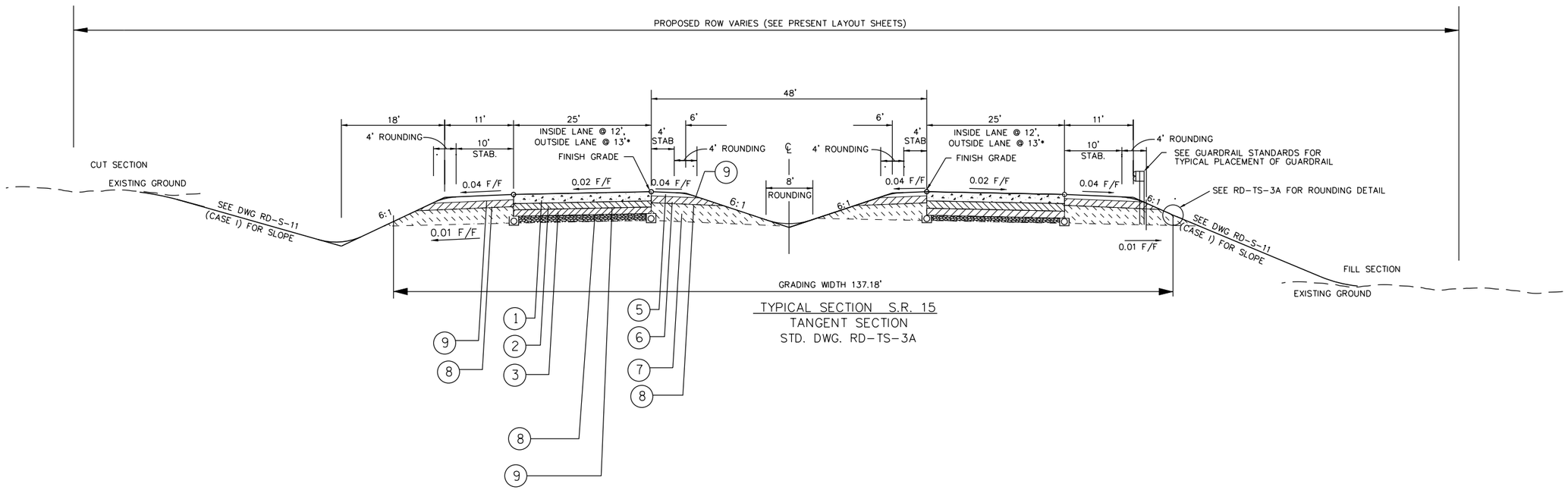
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	2K
CONST	2014	36001-3290-14	

07-23-2014

UPDATED PAVEMENT SECTIONS

9-8-14

UPDATED ITEM NUMBER IN PVMT SCHEDULE '1' TO 501-01.01



TYPICAL SECTION S.R. 15
TANGENT SECTION
STD. DWG. RD-TS-3A

* OUTSIDE LANE TO BE STRIPED AT 12'

BEG OF PROJECT TO STA. 451+98.67
STA. 460+87.73 TO STA. 465+74.34
STA. 476+64.49 TO STA. 477+18.18
STA. 487+14.63 TO STA. 507+03.49
STA. 522+11.03 TO STA. 561+75.53
STA. 574+40.25 TO STA. 578+64.52
STA. 586+20.26 TO STA. 624+06.19
STA. 630+40.23 TO STA. 633+54.14
STA. 638+36.47 TO STA. 660+61.02
STA. 665+53.62 TO STA. 665+79.90
STA. 672+44.07 TO STA. 679+80.91
STA. 698+11.36 TO STA. 708+95.69
STA. 719+07.20 TO STA. 735+01.98
STA. 743+04.86 TO STA. 743+14.64
STA. 749+03.61 TO END OF PROJECT

ATLERNATE E

NOTE: '4' IS NOT USED IN PAVEMENT SCHEDULE

PROPOSED PAVEMENT SCHEDULE

1	CONCRETE SURFACING AT 8" THICK (ROADWAY) 501-01.01 PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN)			7	MINERAL AGGREGATE BASE AT 14.75" THICK (SHOULDER) 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
2	BASE AT 4" THICK (ROADWAY) 313-03 TREATED PERMEABLE BASE	5	BITUMINOUS BINDER AT 1¼" THICK (SHOULDER), 137.5 LBS/SY 411-01.07 ACS MIX (PG64-22) GRADING E	8	PRIME COAT, 0.35 GAL/SY 402-01 BITUMINOUS MATERIAL FOR PRIME COAT
3	CEMENT TREATED BASE AT 6" THICK (ROADWAY) 309-01.01 MINERAL AGGREGATE (A-CBC) 309-01.02 PORTLAND CEMENT (A-CBC)	6	BITUMINOUS BINDER AT 2" THICK (SHOULDER), 220 LBS/SY 307-01.08 ASPHALT CONCRETE MIX (PG64-22) GRADING B-M2	9	TACK COAT, 0.07 GAL/SY 403-01 BITUMINOUS MATERIAL FOR TACK COAT

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
TYPICAL SECTIONS

NOT TO SCALE

$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

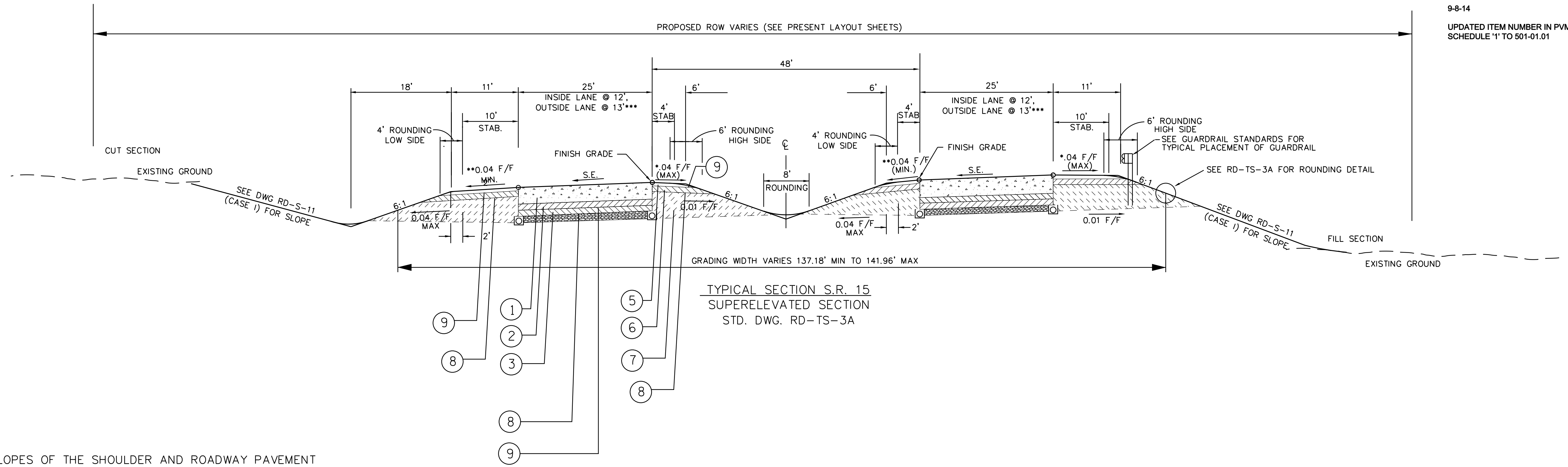
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	2L
CONST	2014	36001-3290-14	

07-23-2014

UPDATED PAVEMENT SECTIONS

9-8-14

UPDATED ITEM NUMBER IN PVMT SCHEDULE '1' TO 501-01.01



TYPICAL SECTION S.R. 15
SUPERELEVATED SECTION
STD. DWG. RD-TS-3A

* THE SLOPES OF THE SHOULDER AND ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 0.07 FOOT PER FOOT.

* * SHOULDER SLOPE EQUALS SUPERELEVATION RATE WHEN S.E. IS GREATER THAN 0.04 FOOT PER FOOT.

*** OUTSIDE LANE TO BE STRIPED AT 12'

STA. 451+98.67 TO STA. 460+87.73
STA. 465+74.34 TO STA. 476+64.49
STA. 477+18.18 TO STA. 487+14.63
STA. 507+03.49 TO STA. 522+11.03
STA. 561+75.53 TO STA. 574+40.25
STA. 578+64.52 TO STA. 586+20.26
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STA. 633+54.14 TO STA. 638+36.47
STA. 660+61.02 TO STA. 665+53.62
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STA. 708+95.69 TO STA. 719+07.20
STA. 735+01.98 TO STA. 743+04.86
STA. 743+14.64 TO STA. 749+03.61

ATLERNATE E

NOTE: '4' IS NOT USED IN PAVEMENT SCHEDULE

PROPOSED PAVEMENT SCHEDULE

1	CONCRETE SURFACING AT 8" THICK (ROADWAY) 501-01.01 PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN)			7	MINERAL AGGREGATE BASE AT 14.75" THICK (SHOULDER) 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
2	BASE AT 4" THICK (ROADWAY) 313-03 TREATED PERMEABLE BASE	5	BITUMINOUS BINDER AT 1¼" THICK (SHOULDER), 137.5 LBS/SY 411-01.07 ACS MIX (PG64-22) GRADING E	8	PRIME COAT, 0.35 GAL/SY 402-01 BITUMINOUS MATERIAL FOR PRIME COAT
3	CEMENT TREATED BASE AT 6" THICK (ROADWAY) 309-01.01 MINERAL AGGREGATE (A-CBC) 309-01.02 PORTLAND CEMENT (A-CBC)	6	BITUMINOUS BINDER AT 2" THICK (SHOULDER), 220 LBS/SY 307-01.08 ASPHALT CONCRETE MIX (PG64-22) GRADING B-M2	9	TACK COAT, 0.07 GAL/SY 403-01 BITUMINOUS MATERIAL FOR TACK COAT

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
TYPICAL SECTIONS

NOT TO SCALE

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

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$

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

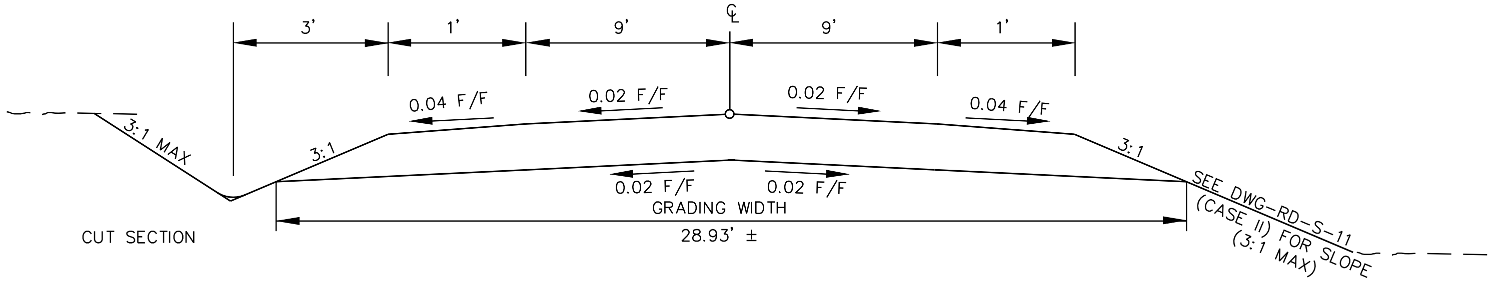
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	2M
CONST	2014	36001-3290-14	

3-18-14

ADDED BINDER TO FIELD OR RESIDENTIAL DRIVES

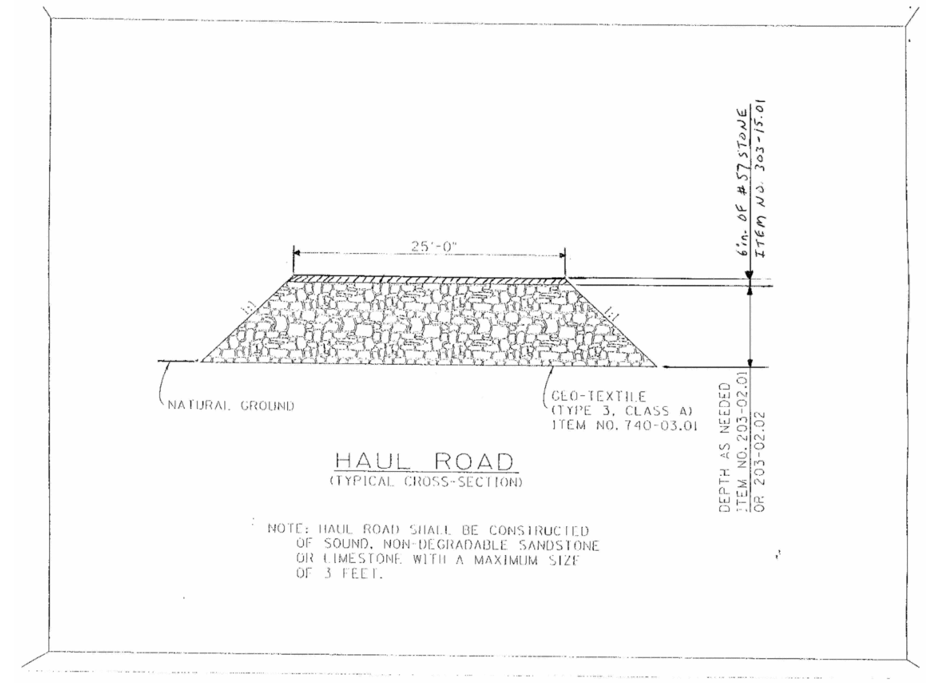
9-8-14

ADDED HAUL ROAD DETAIL



TYPICAL SECTION

OLD SCHOOL HOUSE ROAD ACCESS
STA. 10+00.00 TO STA. 12+25.59



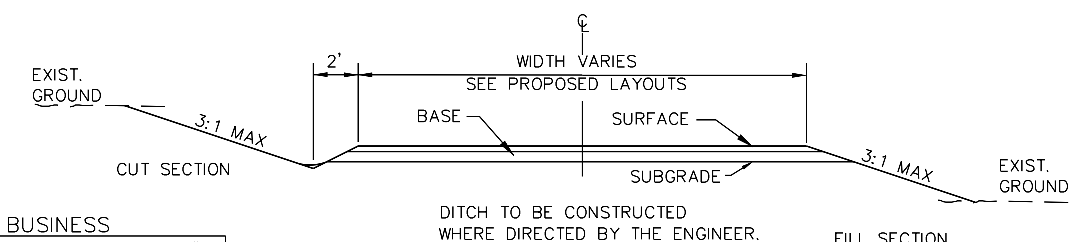
HAUL ROAD
(TYPICAL CROSS-SECTION)

NOTE: HAUL ROAD SHALL BE CONSTRUCTED OF SOUND, NON-DEGRADABLE SANDSTONE OR LIMESTONE WITH A MAXIMUM SIZE OF 3 FEET.

GPS CONTROL POINTS

SHEET NO.	GPS MONUMENT NO.	STATION	OFFSET	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)	
4	36-15-35	443+97.68	152.39	338330.6480	1335824.5720	527.61	300035
5	36-15-36	452+54.48	103.23	338354.8520	1336682.4430	488.54	CP36
5	36-15-37	462+76.66	45.54	338590.1070	1337697.6210	468.95	
6	36-15-38	470+12.78	53.98	338774.4270	1338400.5640	471.99	CP38
7	36-15-39	482+27.67	-59.86	338766.3760	1339603.8660	481.70	CP39
8	36-15-40	490+71.19	-26.10	338690.7830	1340441.1020	494.71	CP40
9	36-15-41	500+64.14	-28.14	338657.3150	1341433.4890	507.67	CP41
9	36-15-42	511+48.40	-27.22	338633.5690	1342513.5180	522.95	
10	36-15-43	520+66.38	-29.01	338924.9290	1343362.0170	532.63	
11	36-15-44	535+19.51	-27.06	339668.9500	1344610.1630	540.46	
12	36-15-45	544+33.30	-70.12	340172.7260	1345374.6930	554.36	CP45
13	36-15-46	556+50.97	-18.26	340753.3520	1346445.0510	610.87	CP46
14	36-15-47	563+16.65	-18.14	341097.5080	1347015.0280	615.15	60112
14	36-15-48	568+71.59	-96.76	341435.2550	1347467.2580	596.82	
15	36-15-49	581+93.81	-150.41	342021.4620	1348655.8020	518.70	CP49
16	36-15-50	594+31.98	-216.04	342639.0740	1349723.0250	486.92	CP50
17	36-15-51	605+10.32	-187.16	343108.4250	1350694.2950	537.98	
17	36-15-52	611+17.15	-97.32	343311.1770	1351271.3610	549.39	
18	36-15-53	621+65.99	89.26	343637.8870	1352285.3330	538.31	
19	36-15-54	630+11.55	208.98	343941.8180	1353090.0640	550.20	
20	36-15-55	643+22.26	133.54	344647.0770	1354191.5250	591.77	
21	36-15-56	655+84.57	97.73	345249.6600	1355295.6080	667.60	CP56
22	36-15-57	662+68.54	102.03	345546.2380	1355910.8920	692.91	CP57
22	36-15-58	670+10.98	109.38	345855.8430	1356587.3070	686.65	CP58
23	36-15-59	677+45.83	135.61	346165.9090	1357255.4720	649.61	CP59
24	36-15-60	691+05.33	207.37	346768.3780	1358493.5560	567.41	
25	36-15-61	703+95.37	205.26	347505.5800	1359565.2850	528.13	
26	36-15-62	712+97.99	200.36	348006.1850	1360287.1230	513.06	CP62
27	36-15-63	723+86.91	-20.66	348518.5810	1361225.9310	548.04	CP63
27	36-15-64	730+55.56	-23.86	348686.4660	1361873.1610	547.87	CP64
28	36-15-65	736+68.51	-20.06	348833.5090	1362468.5520	522.51	CP65
29	36-15-66	747+64.25	-26.14	349010.7010	1363560.4440	463.14	CP66
29	36-15-67	756+78.751	-67.74	349215.4760	1364452.6190	462.34	

NOTE: DRIVEWAYS INTO ALL BUSINESS PARKING AREAS SHALL HAVE A 12:1 SIDE SLOPE AND NO DITCH



BUSINESS

411-01.10 - SURFACE - 1 1/4"±
307-01.08 - BINDER - 2"±
303-01 - BASE - 4"±

FIELD OR RESIDENTIAL

411-01.10 - SURFACE - 1 1/4"±
307-01.01 - BINDER - 2"±
303-01 - BASE - 4"±

TYPICAL SECTION

PRIVATE DRIVE TO BUSINESS, FIELD,
OR RESIDENTAL PROPERTY

NOTES:

1. DRIVEWAY DESIGN SHALL BE IN ACCORDANCE WITH THE STATE OF TENNESSEE RULES AND REGULATIONS FOR CONSTRUCTON OF DRIVEWAYS ON STATE HIGHWAY RIGHT-OF-WAY.
2. WHERE SURFACE OF EXISTING DRIVE IS CONCRETE, SUBSTITUTE 6" CONCRETE FOR BASE AND SURFACE.
3. IF AN EXISTING DRIVE IS GREATER THAN 10', THE WIDTH OF THE PROPOSED DRIVE SHALL BE EQUAL TO THE EXISTING WIDTH; BUT NOT GREATER THAN THE MAXIMUM ALLOWABLE WIDTH AS SPECIFIED IN THE RULES AND REGULATIONS.
4. IF EXISTING DRIVE IS GRAVEL, SURFACING WILL BE FOR ONE SHOULDER WIDTH,

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

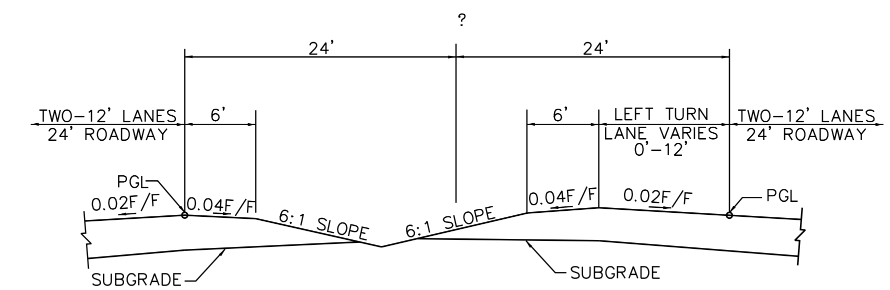
S.R. 15(U.S. HWY 64)
TYPICAL SECTIONS

NOT TO SCALE

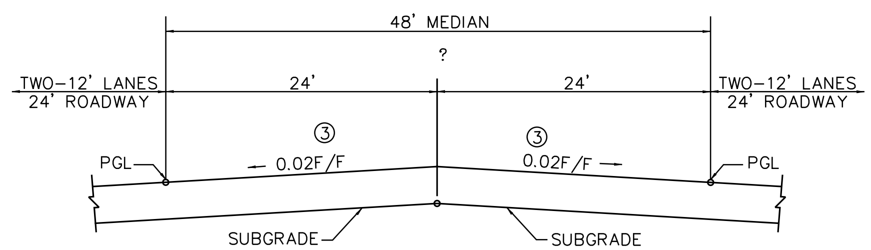
$$$$SYTIME$$$$$$
$$$$DGNSPEC$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	2N
CONST	2014	36001-3290-14	

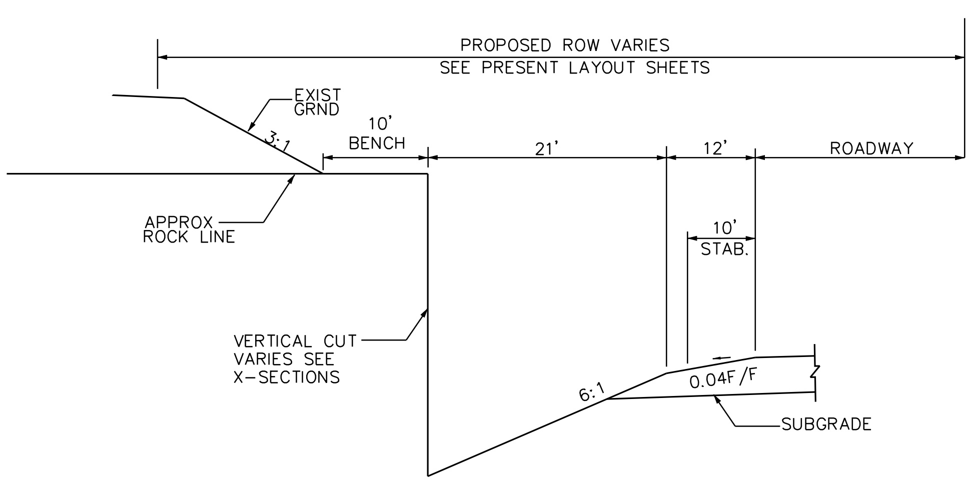


TYPICAL SECTION
SR-15 LEFT TURN LANE

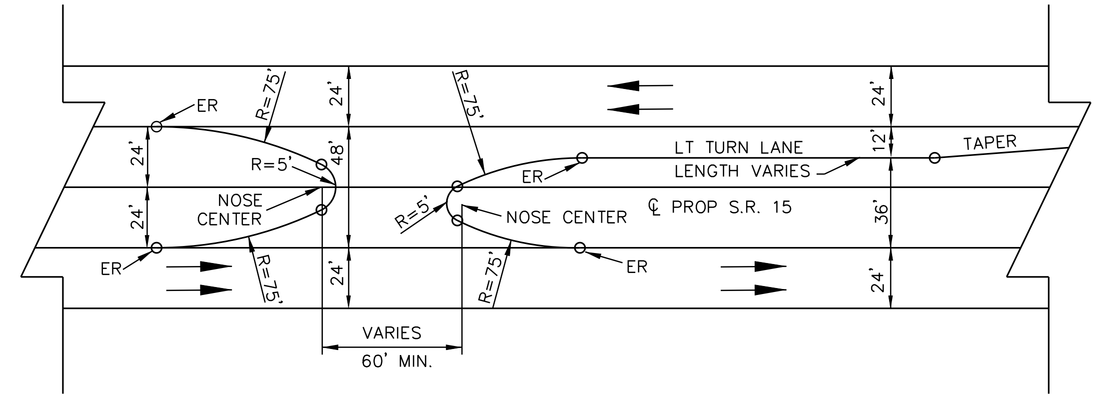


③ CROSS-SLOPE VARIES IN SUPERELEVATED SECTIONS. SEE CROSS-SECTIONS FOR SLOPE.

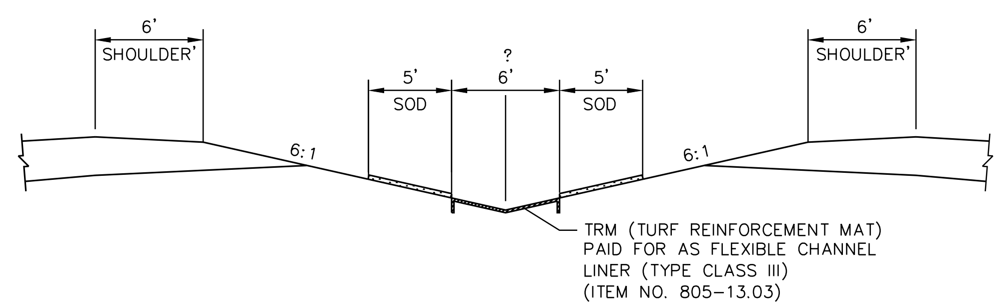
TYPICAL SECTION
SR-15 MEDIAN TURNOUT



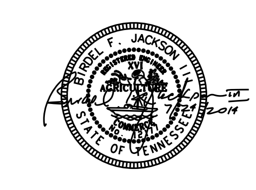
TYPICAL ROCK CUT SECTION



MEDIAN OPENING DETAIL
(REF. STD. DWG. NO. RP-DHO-1)



LINED MEDIAN DITCH
(REF. STD. DWG. NO. RD-S-11A)



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
TYPICAL SECTIONS

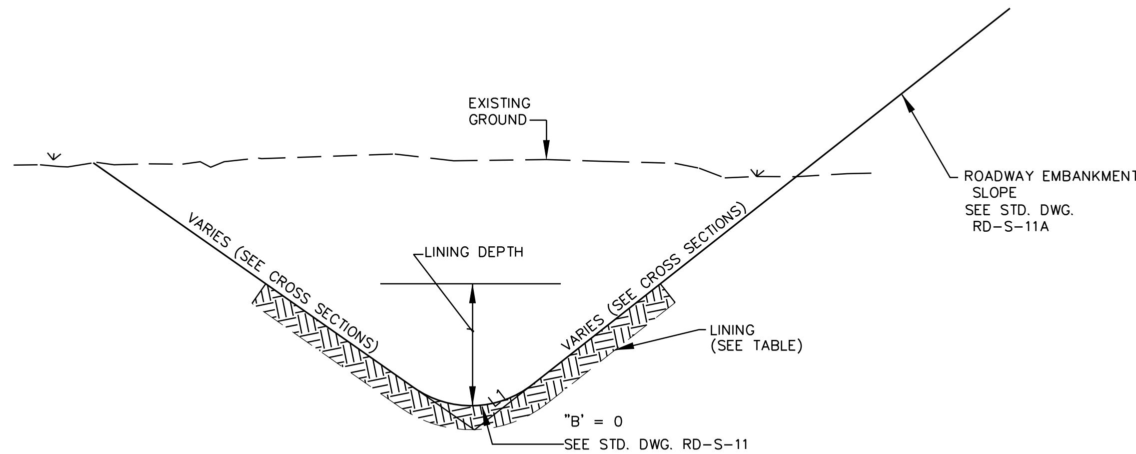
NOT TO SCALE

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$

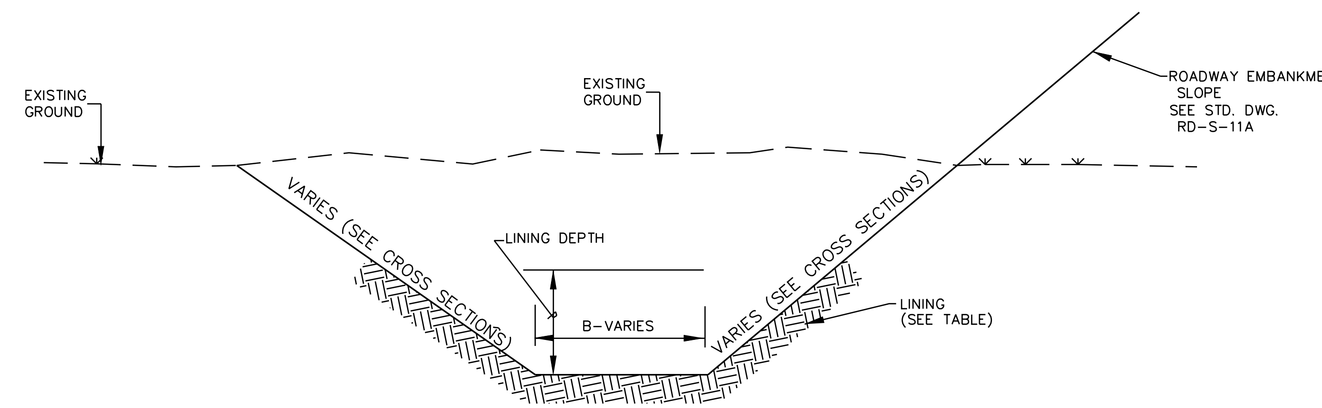
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	20
CONST	2014	36001-3290-14	



"V"–BOTTOM SPECIAL DITCH.



TRAPEZOIDAL "T" SPECIAL DITCH.

SPECIAL DITCHES

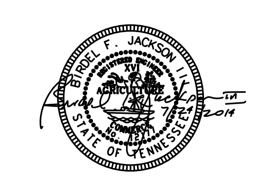
FROM STATION	TO STATION	ROADWAY	SIDE	"B" DITCH BOTTOM WIDTH (ft.)	LINING	LINING DEPTH (ft.)	DITCH ID
441+50	444+00	SR 15	LEFT	0	TRM – CLS–I	2.0	SD–1
444+00	447+51	SR 15	LEFT	0	TRM – CLS–II	2.0	SD–2
464+50	465+40	SR 15	LEFT	0	Sod	1.5	SD–3
470+50	465+40	SR 15	LEFT	0	TRM – CLS–I	2.0	SD–4
470+50	471+16	SR 15	LEFT	0	Sod	2.0	SD–5
473+00	471+16	SR 15	LEFT	4	Riprap (Tp A1)	2.0	SD–6
480+00	483+48	SR 15	LEFT	0	Sod	2.0	SD–7
485+00	483+48	SR 15	LEFT	0	TRM – CLS–I	2.0	SD–8
490+00	491+31	SR 15	LEFT	0	Sod	2.0	SD–9
497+00	491+31	SR 15	LEFT	0	TRM – CLS–I	2.0	SD–10
499+00	501+02	SR 15	LEFT	0	Sod	2.0	SD–11
504+50	501+02	SR 15	LEFT	0	TRM – CLS–II	2.0	SD–12
504+50	507+37	SR 15	LEFT	0	Sod	2.0	SD–13
510+50	510+00	SR 15	LEFT	0	Sod	2.0	SD–14
520+00	521+97	SR 15	LEFT	0	TRM – CLS–I	2.0	SD–15
524+50	521+97	SR 15	LEFT	4	Riprap (Tp A1)	2.5	SD–16
531+00	528+00	SR 15	LEFT	0	TRM – CLS–I	2.0	SD–17
534+00	531+00	SR 15	LEFT	0	Sod	2.0	SD–18
534+00	539+30	SR 15	LEFT	0	Sod	2.0	SD–19
543+50	539+30	SR 15	LEFT	6	Riprap (Tp A1)	2.5	SD–20
548+70	543+50	SR 15	LEFT	4	TRM – CLS–II	2.0	SD–21
553+71	548+70	SR 15	LEFT		Existing		
609+00	600+50	SR 15	LEFT	0	Sod	2.0	SD–22
620+50	619+00	SR 15	LEFT	0	TRM – CLS–I	1.5	SD–23
619+00	615+90	SR 15	LEFT	0	Riprap (Tp A1)	2.0	SD–24
630+00	631+03	SR 15	LEFT	0	Sod	2.0	SD–25
632+00	631+50	SR 15	LEFT	4	Riprap (Tp A1)	2.0	SD–26
647+50	646+21	SR 16	LEFT	4	Riprap (Tp B)	2.0	SD–27
683+50	682+50	SR 15	LEFT	0	Sod	2.0	SD–28
683+50	685+25	SR 15	LEFT	0	TRM – CLS–I	2.0	SD–29
686+50	685+25	SR 15	LEFT	0	TRM – CLS–I	1.5	SD–30
694+00	693+16	SR 15	LEFT	4	Riprap (Tp A1)	2.0	SD–31
705+00	704+00	SR 15	LEFT	0	Sod	2.0	SD–32
705+00	712+00	SR 15	LEFT	0	Rock Cut	n/a	SD–33
712+00	715+80	SR 15	LEFT	0	RkCt&TRM–CLS–I	2.0	SD–34
717+00	715+80	SR 15	LEFT	0	TRM – CLS–I	2.0	SD–35
718+00	721+31	SR 15	LEFT	0	Riprap (Tp A1)	2.0	SD–36
728+00	725+50	SR 15	LEFT	0	Sod	2.0	SD–37
740+00	743+00	SR 15	LEFT	6	Riprap (Tp B)	2.0	SD–38
762+00	757+50	SR 15	LEFT	0	Sod	2.0	SD–39

SPECIAL DITCHES

FROM STATION	TO STATION	ROADWAY	SIDE	"B" DITCH BOTTOM WIDTH (ft.)	LINING	LINING DEPTH (ft.)	DITCH ID
515+50	508+00	SR 15	RIGHT	0	Sod	2.0	SD–40
537+50	535+89	SR 15	RIGHT	8	TRM – CLS–II	2.0	SD–41
541+00	539+50	SR 15	RIGHT	4	TRM – CLS–II	2.0	SD–42
546+00	543+50	SR 15	RIGHT	0	Rock Cut	n/a	SD–43
549+00	549+73	SR 15	RIGHT	0	Sod	2.0	SD–44
552+00	549+73	SR 15	RIGHT	0	TRM – CLS–II	2.0	SD–45
553+50	554+20	SR 15	RIGHT	0	TRM – CLS–I	2.0	SD–46
556+50	554+20	SR 15	RIGHT	0	TRM – CLS–II	2.0	SD–47
572+50	579+23	SR 15	RIGHT	0	Riprap (Tp A1)	2.0	SD–48
579+50	579+23	SR 15	RIGHT	0	Sod	2.0	SD–49
579+50	591+00	SR 15	RIGHT	0	TRM – CLS–I	2.0	SD–50
614+00	606+50	SR 15	RIGHT	0	Rock Cut	n/a	SD–51
614+00	616+00	SR 15	RIGHT	0	Rock Cut	n/a	SD–52
616+00	617+00	SR 15	RIGHT	0	Sod	2.0	SD–53
660+00	658+85	SR 15	RIGHT	0	TRM – CLS–I	2.0	SD–54
728+00	726+50	SR 15	RIGHT	0	Sod	2.0	SD–55
738+00	738+69	SR 15	RIGHT	0	TRM – CLS–I	2.0	SD–56
742+00	746+00	SR 15	RIGHT	0	Riprap (Tp A1)	2.0	SD–57

SPECIAL DITCHES (SIDE ROADS)

FROM STATION	TO STATION	ROADWAY	SIDE	"B" DITCH BOTTOM WIDTH	LINING	LINING DEPTH	DITCH ID
48+00	49+00	Stanfill Rd	LEFT	0	TRM – CLS–II	2.0	SD–58
48+00	49+00	Stanfill Rd	RIGHT	0	TRM – CLS–I	2.0	SD–59



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
TYPICAL SECTIONS

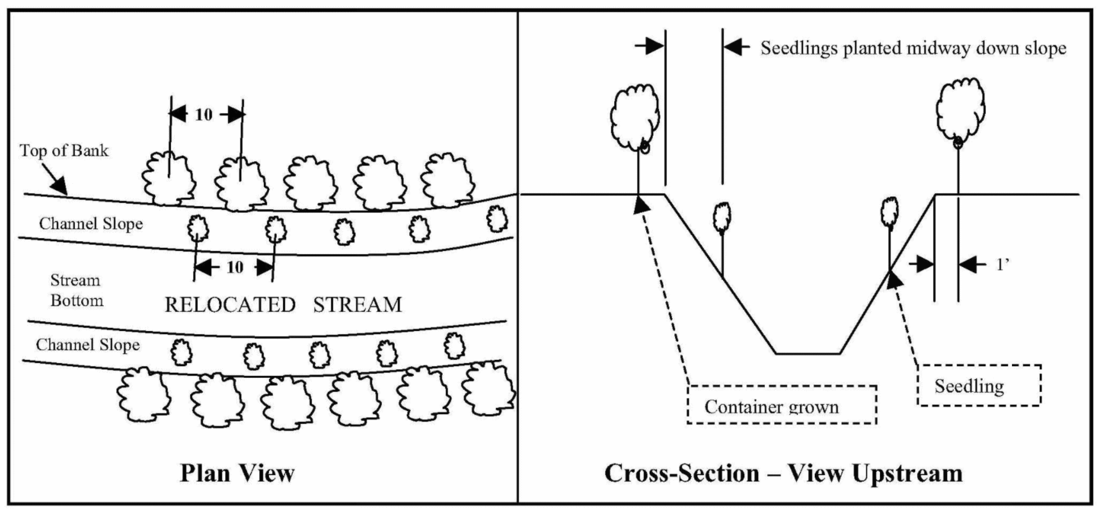
NOT TO SCALE

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	2P
CONST	2014	36001-3290-14	

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

SPACING FOR PLANTING ALONG RELOCATED STREAM.



STREAM PLANTING DETAIL

TREE SPECIFICATIONS		
ITEM #	DESCRIPTION	UNIT
	SYCAMORE (PLATANUS OCCIDENTALIS) SEEDLING ON LOWER BANK	EACH
	SILKY DOGWOOD (CORNUS AMOMUM) SEEDLING ON LOWER BANK	EACH
	TULIP POPLAR (LIRIODENDRON TULIPIFERA) CONTAINER GROWN ON UPPER BANK	EACH
	RED BUD (CERCIS CANADENSIS) CONTAINER GROWN ON UPPER BANK	EACH
	BLACK WALNUT (JUGLANS NIGRA) CONTAINER GROWN ON UPPER BANK	EACH

REV. 1-09-12

REVISED STREAM RELOCATION DETAIL AND CHART

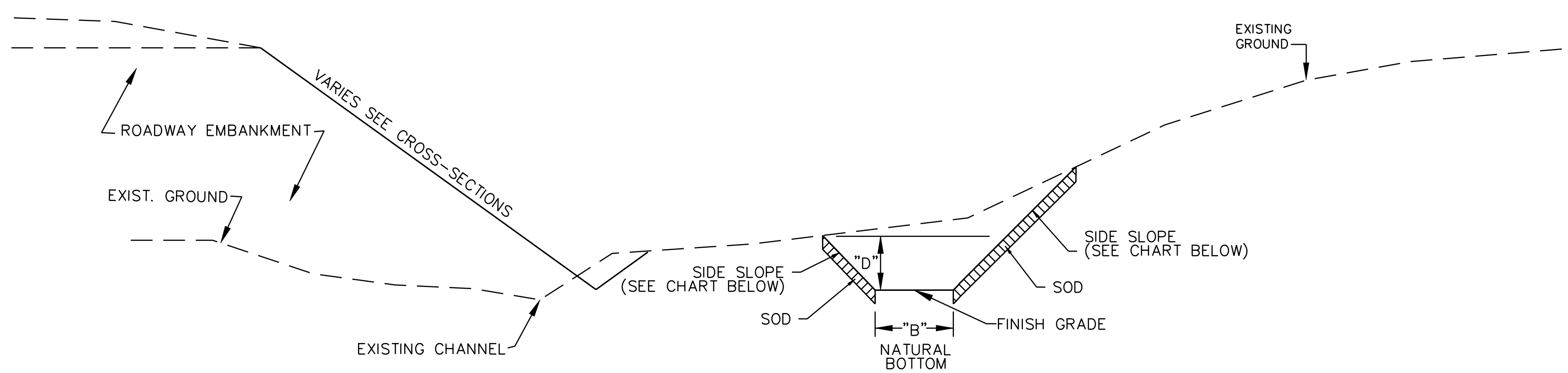
ADDED STREAM PLANTING DETAIL

REV. 7-15-13

UPDATED STREAM 13 WIDTH

REV. 11-22-13

UPDATED STREAM 8 WIDTH



STREAM RELOCATION DETAIL

STREAM RELOCATION CHART

NAME	STATION	ROADWAY	SIDE	"B" CHANNEL BOTTOM WIDTH (ft.)	"D" CHANNEL DEPTH (MIN) (ft.)	CHANNEL SIDE SLOPE
STR-1	454+25 TO 457+75	S. R. 15	LT.	8	2.50	3:1
STR-2	457+75 TO 461+57	S. R. 15	LT.	5	1.00	3:1
STR-6	482+60 TO 483+40	S. R. 15	RT.	6	1.00	2:1
STR-8	500+78 TO 503+15	S. R. 15	LT.	3.5	2.00	2:1
STR-11	535+85 TO 541+05	S. R. 15	LT.	5	2.00	3:1
STR-12	542+58 TO 553+60	S. R. 15	LT.	5	1.00	3:1
STR-13	586+30 TO 588+18	S. R. 15	LT.	3	1.00	2:1

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$

BIRDEL F. JACKSON III
REGISTERED ENGINEER XVI AGRICULTURE COMMERCE No. 12??
STATE OF TENNESSEE
7-24-2014

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
TYPICAL SECTIONS

NOT TO SCALE

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	36001-3290-14	20

11-1-12

UPDATED GENERAL NOTES

3-18-14

UPDATED GENERAL NOTES

GENERAL NOTES

GRADING

(1) ANY AREA THAT IS DISTURBED OUTSIDE LIMITS OF CONSTRUCTION DURING THE LIFE 0F THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.

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

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

SEEDING AND SODDING

(1) ALL EXISTING ROADS WITHIN THE RIGHT-OF-WAY AND NOT IN THE GRADED AREA THAT ARE TO BE ABANDONED SHALL BE SCARIFIED, OBLITERATED, TOPSOILED AND SEEDED. SCARIFYING AND OBLITERATING THE PAVEMENT WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN THE COST OF OTHER ITEMS. TOPSOIL, IN ACCORDANCE WITH SECTION 203 OF THE STANDARD SPECIFICATIONS, WILL BE MEASURED AND PAID FOR UNDER ITEMS 203-04 AND/OR 203-07. SEEDING, IN ACCORDANCE WITH SECTION 801 OF THE STANDARD SPECIFICATIONS, WILL BE MEASURED AND PAID FOR UNDER ITEM 801-01.

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

(3) ITEM NO. 801-01.02 SHALL BE USED ON SLOPES 3:1 OR STEEPER..

(4) ITEM NO. 801-01, SEEDING (WITH MULCH), SHALL BE USED WHERE EROSION CONTROL BLANKET OR SOD ARE NOT APPLIED.

GUARDRAIL

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

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

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

DRAINAGE

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

(2) EXCAVATION FOR STORM SEWER PIPES WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT WILL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF PIPE.

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

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

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

(6) DURING CONSTRUCTION OF DRAINAGE STRUCTURES ALL COST ASSOCIATED WITH MAINTAINING THE FLOW OF WATER AND TRAFFIC, AT THESE STRUCTURES, DURING THE PHASED CONSTRUCTION OF THIS PROJECT ARE TO BE INCLUDED IN THE UNIT PRICE OF THE DRAINAGE STRUCTURES AND TRAFFIC CONTROL ITEMS.

UTILITIES

(1) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111 AS REQUIRED BY TCA 65-31-106 WILL BE REQUIRED.

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

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

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

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

FENCING

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

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

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

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

MISCELLANEOUS

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

(2) THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MAILBOXES 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

(4) TDOT MAINTENANCE WILL REVIEW AND RECLAIM ANY SALVAGEABLE ITEMS ON EXISTING STRUCTURES.

ROAD CLOSURE

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

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, DESIGN DIVISION IS TO BE NOTIFIED IN SUFFICIENT TIME TO PERMIT HAVING SUCH REMOVALS DESIGNATED AS A PART OF THE CONSTRUCTION CONTRACT.

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

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

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

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

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

(7) 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.

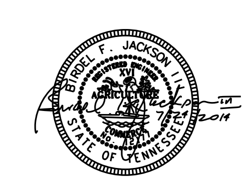
(8) NEW DRIVEWAYS PROVIDED IN THE PLANS WILL BE PAVED BASED ON THE 7 PERCENT CRITERIA. THOSE 7 PERCENT OR STEEPER IN GRADE WILL BE PAVED AND THOSE FLATTER THAN 7 PERCENT WILL BE COVERED WITH BASE STONE.

(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.

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



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	36001-3290-14	2R

11-1-12

UPDATED GENERAL NOTES

1-14-13

REMOVED RIP RAP NOTES

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 BEFORE DARK HOURS. 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..

(2) WIDE (8 INCH) TEMPORARY PAVEMENT MARKING LINE WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.02 PAINTED PAVEMENT MARKING (8" BARRIER LINE), LIN. FT.

FINAL PAVEMENT MARKING IF 4" ENHANCED FLATLINE THERMOPLASTIC IS USED

(3) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 4" ENHANCED FLATLINE THERMOPLASTIC INSTALLED TO PERMANENT STANDARDS AT

(4) THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-12.01, ENHANCED FLATLINE THERMO PVMT MRKNG (4IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.

FINAL PAVEMENT MARKING IF REFLECTORIZED PAINT IS USED

(5) PERMANENT PAVEMENT LINE MARKINGS SHALL BE REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.01 PAINTED PAVEMENT MARKING (4IN LINE), L.M. IF THERMOPLASTIC IS USED

DETOURS, LANE SHIFTS AND MEDIAN CROSS-OVERS

(6) THE PAVEMENT MARKING ON THE DETOUR FOR CENTERLINE AND EDGE LINE 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 PAINTED PAVEMENT MARKING (4" LINE), LIN. MI.

(7) BEFORE OPENING THE LANE SHIFT TO TRAFFIC, THE TRANSITIONAL MARKINGS ON THE EXISTING ROADWAY MUST BE IN PLACE. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM 712-09.01 REMOVABLE PAVEMENT MARKING LINE, LIN. FT. ALL EXISTING MARKINGS IN THE AREA OF THESE TRANSITIONAL MARKINGS SHALL BE OBLITERATED TO ELIMINATE CONFLICTING MARKINGS. REMOVAL OF THE EXISTING CONFLICTING MARKINGS WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN ITEM NO. 712-01 TRAFFIC CONTROL, LUMP SUM.

(8) 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 TO ELIMINATE CONFLICTING MARKINGS. REMOVAL OF THE EXISTING CONFLICTING MARKINGS 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

(3) THE CONTRACTOR SHALL ATTACH A DEVICE TO THE SCREED OF THE PAVER SUCH THAT MATERIAL IS CONFINED AT THE END GATE AND EXTRUDES THE ASPHALT MATERIAL IN SUCH A WAY THAT RESULTS IN A CONSOLIDATED WEDGE-SHAPE PAVEMENT EDGE OF APPROXIMATELY 25 TO 30 DEGREES AS IT LEAVES THE PAVER (MEASURED FROM A LINE PARALLEL TO THE PAVEMENT SURFACE.) THE DEVICE SHALL MEET THE REQUIREMENTS THAT ARE CURRENTLY SET FORTH IN SPECIAL PROVISION 407SE.

RESURFACING

(9) 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.

(10) 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.

(11) 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.

(12) 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.

GRADED SOLID ROCK

(1) THE ROCK FILL (GRADED SOLID ROCK) MATERIAL SHALL CONSIST OF SOUND, NON-DEGRADABLE LIMESTONE OR SANDSTONE WITH A MAXIMUM SIZE OF 3'-0". AT LEAST 50% (BY WEIGHT) OF THE ROCK SHALL BE UNIFORMLY DISTRIBUTED BETWEEN 1'-0" AND 3'-0" IN DIAMETER, AND NO GREATER THAN 10% (BY WEIGHT) SHALL BE LESS THAN 2" IN DIAMETER. THE MATERIAL SHALL BE ROUGHLY EQUIDIMENSIONAL; THIN, SLABBY MATERIALS WILL NOT BE ACCEPTED. THE CONTRACTOR SHALL BE REQUIRED TO PROCESS THE MATERIAL WITH AN ACCEPTABLE MECHANICAL MEANS (A SCREENING PROCESS CAPABLE OF PRODUCING THE REQUIRED GRADATION). THE ROCK SHALL BE APPROVED BY A REPRESENTATIVE OF THE DIVISION OF MATERIALS AND TESTS BEFORE USE.

(2) THIS GRADED SOLID ROCK MATERIAL SHALL BE PLACED IN LAYERS NOT EXCEEDING FIVE FEET IN DEPTH.

SIGNING

(1) 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 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 DESIGN DIVISION, SIGNING AND MARKING SECTION, SUITE 1000, J. K. POLK BUILDING, NASHVILLE, TN 37243-0350.

(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.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

(1) ADVANCED WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERECTED UP TO ONE WEEK BEFORE NEEDED, IF THE SIGN FACE IS FULLY COVERED.

(2) IF THE CONTRACTOR MOVES OFF THE PROJECT, HE SHALL COVER OR REMOVE ALL UNNEEDED SIGNS AS DIRECTED BY THE ENGINEER. COSTS OF REMOVAL, COVERING, AND REINSTALLING SIGNS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT ALL COSTS SHALL BE INCLUDED IN THE ORIGINAL UNIT PRICE BID FOR ITEM NO 712-06, SIGNS (CONSTRUCTION) PER SQUARE FOOT.

(3) A LONG TERM BUT SPORADIC USE WARNING SIGN, SUCH AS A FLAGGER SIGN, MAY REMAIN IN PLACE WHEN NOT REQUIRED PROVIDED THE SIGN FACE IS FULLY COVERED.

(4) TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.

(5) USE OF BARRICADES, PORTABLE BARRIER RAILS, VERTICAL PANELS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN THIRTY (30) FEET OF THE EDGE OF THE TRAVELED WAY BEFORE OR AFTER USE UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL INCREASE TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.

(6) THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO PARK WITHIN THIRTY (30) FEET OF A OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE.. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.

BIRDEL F. JACKSON III
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	36001-3290-14	2S

11-1-12

UPDATED GENERAL NOTES

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

(2) 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 10 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. UNNECESSARY VEGETATION REMOVAL IS PROHIBITED.

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

(5) 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.

(6) CONSTRUCTION SHALL BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED SOIL AREAS AND SHALL BE PHASED FOR PROJECTS THAT HAVE OVER 50 ACRES OF SOIL DISTURBANCE. NO MORE THAN 50 ACRES OF ACTIVE SOIL DISTURBANCE IS ALLOWED AT ANY TIME DURING THE CONSTRUCTION PROJECT, UNLESS APPROVED IN WRITING BY THE ENVIRONMENTAL DIVISION.

SEDIMENT CONTROL

(7) EPSC MEASURES SHALL BE INSTALLED CONCURRENTLY WITH CLEARING OPERATIONS, SHALL BE 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 PRIOR TO ITS DISCHARGE INTO SURFACE WATERS. 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.

(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 ARE NOT APPROVED, UNLESS SPECIFIED IN WRITING BY THE ENVIRONMENTAL DIVISION.

(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. NO. EC-STR-25 UNLESS SPECIFICALLY ADDRESSED IN THE EPSC PLANS. ALTERNATIVELY, PLACING A TEMPORARY BRIDGE (BAILEY BRIDGE OR EQUIVALENT, TIMBERS, ETC.) FROM TOP OF BANK TO TOP OF BANK OR THE APPROPRIATE USE OF BARGES AT THE CROSSING TO AVOID DISTURBANCE OF THE STREAMBED IS AN ACCEPTABLE OPTION.

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

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

SPECIES

(23) NO ACTIVITY MAY SUBSTANTIALLY DISRUPT THE MOVEMENT OF THOSE SPECIES OF AQUATIC LIFE INDIGENOUS TO THE WATER BODY, INCLUDING THOSE SPECIES THAT NORMALLY MIGRATE THROUGH THE AREA. THE SWPPP SHALL BE MODIFIED TO INCLUDE EPSC MEASURES TO PREVENT NEGATIVE IMPACTS TO LEGALLY PROTECTED STATE OR FEDERAL FAUNA OR FLORA OR AS INDICATED IN THE ECOLOGICAL STUDIES OR ON THE PERMIT(S).

INSPECTION, MAINTENANCE, REPAIR

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

(25) INSPECTION, REPAIR, AND MAINTENANCE OF EPSC MEASURES/STRUCTURES IS TO BE PERFORMED ON A REGULAR BASIS.

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

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

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

(28) INSPECTION OF EPSC MEASURES SHALL BE DONE BEFORE ANTICIPATED STORM EVENTS (OR SERIES OF STORM EVENTS SUCH AS INTERMITTENT SHOWERS OVER ONE OR MORE DAYS), DURING, OR WITHIN TWENTY-FOUR (24) HOURS AFTER THE END OF A STORM EVENT OF 0.5 INCH OR GREATER, AND AT LEAST TWICE PER CALENDAR WEEK AT LEAST 72 HOURS APART. A CALENDAR WEEK IS DEFINED AS SUNDAY THROUGH SATURDAY. AN ANTICIPATED STORM EVENT IS DEFINED AS A 50% OR GREATER CHANCE OF RAINFALL ACCORDING TO A DOCUMENTED LOCAL OR NATIONAL SOURCE (I.E., NOAA, WEATHER.COM, LOCAL NEWSPAPER).

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

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

MATERIALS

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

SWPPP, PERMITS, PLANS, RECORDS

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

(33) ANY DISAGREEMENT BETWEEN THE PROJECT PLANS, THE PROJECT AS CONSTRUCTED, AND THE PERMIT(S) ISSUED FOR THE PROJECT, SHALL BE BROUGHT TO THE ATTENTION OF THE TDOT PROJECT ENGINEER. THE ENVIRONMENTAL DIVISION, ROADWAY DESIGN DIVISION, AND HEADQUARTERS CONSTRUCTION OFFICE SHALL BE CONTACTED IN THESE INSTANCES AND DECIDE WHICH HAS PRECEDENCE AND WHETHER PERMIT OR PLANS REVISIONS ARE NEEDED. IN GENERAL, PERMIT CONDITIONS WILL PREVAIL.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	36001-3290-14	2T

11-1-12

UPDATED GENERAL NOTES

3-18-14

UPDATED GENERAL NOTES

(1) 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. ALL WATER QUALITY AND STORM WATER PERMITS, INCLUDING THE LOCATION OF THE SWPPP, SHALL BE POSTED NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE ACCESSIBLE TO THE PUBLIC. 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.

(2) 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. THE SWPPP SHALL BE UPDATED BY CONSTRUCTION WHENEVER EPSC INSPECTIONS INDICATE 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.

(3) 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 I - FUNDAMENTALS OF EROSION PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES" COURSE OR EQUIVALENT COURSE. A COPY OF CERTIFICATION RECORDS FOR THIS COURSE SHALL BE KEPT ON SITE AND AVAILABLE UPON REQUEST.

LITTER, DEBRIS, WASTE, PETROLEUM

(4) 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.

(5) 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.

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.

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

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.

KNOWN EXCEPTIONAL TENNESSEE WATERS

(2) FOR PROJECTS THAT DISCHARGE INTO HIGH QUALITY WATERS OR WATERS IMPAIRED BY SILTATION, AN OUTFALL IN A DRAINAGE AREA OF 5 ACRES OR MORE, A TEMPORARY (OR PERMANENT) SEDIMENT BASIN THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/ 24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL FINAL STABILIZATION OF THE SITE. THE ENVIRONMENTAL AND DESIGN DIVISIONS MAY BE CONTACTED TO REVIEW AND CONCUR WITH ANY REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE OUTFALL PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CONSTRUCTION GENERAL PERMIT.

(3) FOR PROJECTS THAT DISCHARGE INTO HIGH QUALITY WATERS OR WATERS IMPAIRED BY SILTATION, A 60 FOOT NATURAL RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STREAM WITH THIS DESIGNATION SHALL BE PRESERVED, TO THE MAXIMUM EXTENT PRACTICABLE, DURING CONSTRUCTION ACTIVITIES AT THE SITE. BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA. THE 60 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 25 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

(4) REFER TO THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN, SHEET 86, FOR NOTES REGARDING SEASONAL WORK LIMITATION OR LIMITATION ON THE TOTAL AREA OF EXPOSED SOIL.

ENVIRONMENTAL

ECOLOGY

(5) 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.

(6) 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.

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

SWPPP, PERMITS, PLANS, RECORDS

(6) 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.

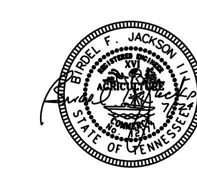
(7) ANY DISAGREEMENT BETWEEN THE PROJECT PLANS, THE PROJECT AS CONSTRUCTED, AND THE PERMIT(S) ISSUED FOR THE PROJECT, SHALL BE BROUGHT TO THE ATTENTION OF THE TDOT PROJECT ENGINEER. THE ENVIRONMENTAL DIVISION, ROADWAY DESIGN DIVISION, AND HEADQUARTERS CONSTRUCTION OFFICE SHALL BE CONTACTED IN THESE INSTANCES AND DECIDE WHICH HAS PRECEDENCE AND WHETHER PERMIT OR PLANS REVISIONS ARE NEEDED. IN GENERAL, PERMIT CONDITIONS WILL PREVAIL.

PROJECT COMMITMENTS

(1) SEASONAL TREE CUTTING RESTRICTIONS WILL BE REQUIRED ON THIS PROJECT SO THAT TREES ARE ONLY CUT BETWEEN OCTOBER 15 AND MARCH 31 OF EACH YEAR. THIS APPLIES TO TREE CUTTING FOR ANY REASON, INCLUDING UTILITIES

(2) THE STONE FROM THE OLIVE HILL CUMBERLAND PRESBYTERIAN CHURCH SHALL BECOME THE PROPERTY OF THE OLIVE HILL CEMETERY COMMITTEE. MS. LAURA H. LAND SHALL BE CONTACTED AT 731-925-9426 PRIOR TO DEMOLITION OF THE CHURCH.

(3) AN ASBESTOS CONTAINING MATERIAL (ACM) SURVEY WAS CONDUCTED ON BRIDGE NO. 36SR0150021, SR-15 OVER SMITH FORK CREEK, LM 17.84 (36-SR15-17.84) AND BRIDGE NO. 36SR0150023, SR-15 OVER BIGBEE BRANCH, LM 20.83 (36-SR15-20.83).NO ACM WAS DETECTED. NO SPECIAL ACCOMMODATIONS FOR DEMOLITION AND WASTE DISPOSAL ARE ANTICIPATED FOR THESE BRIDGES AND THE MATERIAL CAN BE DEPOSITED IN A C&D LANDFILL. PLEASE NOTE THAT EVEN THOUGH THE SAMPLES WERE FOUND TO CONTAIN NO ASBESTOS, THE DEMOLITION CONTRACTOR IS REQUIRED TO SUBMIT THE NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS STANDARD 10-DAY NOTICE OF DEMOLITION TO THE TENNESSEE DIVISION OF AIR POLLUTION CONTROL.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

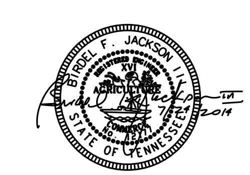
$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	36001-3290-14	2U

PROPOSED GUARDRAIL

SHEET NO.	LOCATION	SIDE		STATION		GUARDRAIL				TERMINAL ANCHORS					REMARKS
		LT	RT	FROM	TO	BRIDGE ENDS 705-01.01 (L.F.)	BRIDGE PIERS 705-01.02 (L.F.)	SINGLE TYPE 2 705-02.02 (L.F.)	MEDIAN TYPE 2 705-03.03 (L.F.)	TYPE 12 705-04.02 (EACH)	TYPE 13 705-04.03 (EACH)	TYPE 21 705-04.04 (EACH)	TYPE IN-LINE 705-04.05 (EACH)	TYPE 38 705-04.07 (EACH)	
5B	SHOULDER		X	453+75	458+50			425			1			1	
5B	SHOULDER	X		453+50	462+00			800			1			1	
6B	SHOULDER		X	467+20	471+70			400			1			1	
6B-7B	SHOULDER	X		470+55	475+30			425			1			1	
7B	SHOULDER		X	480+50	484+00			300			1			1	
7B	SHOULDER	X		483+00	486+00			250			1		2	1	
8B	SHOULDER		X	488+50	491+50			250			1			1	
8B	SHOULDER	X		490+60	492+50			225			1	1			
9B	SHOULDER		X	503+10	507+86			400			1		2	1	
9B	SHOULDER	X		506+80	511+30			400			1			1	
10B	SHOULDER		X	517+50	522+50			425			1			1	
10B-11B	SHOULDER	X		521+25	526+00			425			1			1	
11B-12B	SHOULDER		X	532+00	538+00			550			1			1	
12B	SHOULDER	X		538+40	542+40			400			1			1	
16B	MEDIAN		X	587+50	590+00	25		175						1	
16B	SHOULDER		X	589+39	590+00	25								1	
16B	SHOULDER	X		593+00	593+75	25								1	
16B	MEDIAN	X		593+00	595+50	25		175						1	
18B	SHOULDER		X	614+30	618+80			400			1			1	
18B	SHOULDER	X		613+00	618+00			450			1			1	
19B	SHOULDER	X		630+50	635+50			450			1			1	
26B	SHOULDER		X	714+25	719+75			500			1			1	
27B	SHOULDER	X		733+25	737+25			350			1			1	
28B	MEDIAN		X	744+80	747+30	25		175						1	
28B	SHOULDER		X	746+55	747+30	25								1	
28B-29B	SHOULDER	X		749+81.50	750+56.50	25								1	
28B-29B	MEDIAN	X		749+81.50	752+31.50	25		175						1	
TOTALS						**200**	**0**	**8525**	**0**	**0**	**19**	**1**	**4**	**26**	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	36001-3290-14	2V

BOX CULVERT TABULATION

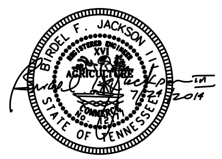
STATION	LOCATION	SPAN	HEIGHT	LENGTH	SKEW	DRAINAGE AREA ACRES	BOX CULVERT — BOX: CLASS "A" CONC. CU. YD. **	BOX CULVERT — BOX: REINF. STEEL LBS. **	BOX CULVERT — APRON: CLASS "A" CONC. CU. YD.	BOX CULVERT — APRON: WIRE FABRIC LBS.	BOX CULVERT — APRON: STEEL BAR REINF. LBS.	CULVERT EXC. CU. YD.	DRAWING NO.	BACKFILLING ITEM 303-01.01 DWG. STD-10-1 TONS	FOUNDATION FILL MATERIAL CU. YD.
471+03.36		8	4	207	78°10'02"LT	118.5	11.78	2059	3.88	96	50		STD-15-27	4,240	
483+45.16		8	4	158	83°05'37"LT	153	11.78	2059	3.88	96	50		STD-15-27	3,236	
491+10.03		6	3	168	75°00'00"LT	85.8	10.34	1755	3.34	82	38		STD-15-26	2,853	
507+21.03 *		8	6	190	81°00'00"LT	133.5	166.30	33,714	5.74	147	50		STD-15-27	5,123	
TOTALS							**200.20**	**39587**	**16.84**	**421**	**188**	**0**		**15452**	**0**

* CAST-IN-PLACE ** INCLUDES WINGWALL QUANTITIES

BOX BRIDGE TABULATION

STATION	LOCATION	SPAN	HEIGHT	LENGTH	SKEW	DRAINAGE AREA ACRES	BOX BRIDGE — BOX: CLASS "A" CONC. CU. YD.**	BOX BRIDGE — BOX: REINF. STEEL LBS.**	BOX BRIDGE — APRON: CLASS "A" CONC. CU. YD.	BOX BRIDGE — APRON: WIRE FABRIC LBS.	BOX BRIDGE — APRON: STEEL BAR REINF. LBS.	CULVERT EXC. CU. YD.	DRAWING NO.	BACKFILLING ITEM 303-01.01 DWG. STD-10-1 TONS	FOUNDATION FILL MATERIAL CU. YD.
457+78.29*		16	12	238	90◦00'00"RT	540	1032	123,502	20.7	577	112		STD-15-46	11,292	
521+75.53		8	4	238	80°47'28"LT	48	11.94	2,227	3.12	162	34		STD-15-36	4,875	
537+80.07		10	4	398	35°34'13"LT	100.1	15.06	2,698	7.48	203	100		STD-15-38	8,255	
617+34.03*		18	11	328	45^00'00"RT	352	1073.04	205,859	24.5	679	156		STD-15-49	14,584	
631+03.17		6	4	288	85^00'28"LT	48.3	11.44	1852	2.62	140	8		STD-15-35	5,824	
645+96.64		6	4	377	86^06'31"LT	48.3	11.7	1827	2.62	140	8		STD-15-35	7,624	
719+65.03*		10	7	388	46^00'23"LT	292	668.44	97,919	12.4	348	81		STD-15-39	11,820	
TOTALS							**2823.62**	**435884**	**73.44**	**2249**	**499**	**0**		**64274**	**0**

* CAST-IN-PLACE **INCLUDES WINGWALL QUANTITIES



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	36001-3290-14	2W

CATCH BASINS

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSIONS	DEPTH (FT.)	STANDARD DRAWING	PAY ITEMS							
										TYPE 39 611-39.01 0' - 4'	TYPE 39 611-39.02 4' - 8'	TYPE 39 611-39.03 8' - 12'	TYPE 39 611-39.04 12' - 16'	TYPE 39 611-39.05 16' - 20'	TYPE 39 611-39.06 20' -24'	TYPE 39 611-39.07 24' - 28'	
	MEDIAN	447+38.93		CB 1	531.02	CB	62"	18.80'	D-CB-39SC					1			
	OVER RCBB	457+78.07		CB 2	491.33	CB	48"	15.39'	D-CB-39S				1				
	MEDIAN	465+39.99		CB 3	473.73	CB	62"	9.44'	D-CB-39SC			1					
	MEDIAN	467+00.00		CB 4	473.83	CB	48"	4.28'	D-CB-39S		1						
	OVER RCBC	471+03.23		CB 5	475.85	CB	48"	4.69'	D-CB-39S		1						
	MEDIAN	475+51.53		CB 6	478.32	CB	48"	4.40'	D-CB-39S		1						
	OVER RCBC	483+45.16		CB 7	482.40	CB	48"	1.65'	D-CB-39S	1							
	OVER RCBC	491+10.03		CB 8	491.37	CB	48"	2.52'	D-CB-39S	1							
	MEDIAN	495+75.00		CB 9	497.13	CB	48"	4.52'	D-CB-39S		1						
	MEDIAN	501+02.03		CB 10	503.67	CB	84"	9.44'	D-CB-39SD			1					
	OVER RCBC	507+21.03		CB 11	511.35	CB	48"	6.94'	D-CB-39S		1						
	MEDIAN	514+50.00		CB 12	520.18	CB	48"	4.40'	D-CB-39S		1						
	OVER RCBC	521+75.53		CB 13	529.39	CB	48"	11.70'	D-CB-39S			1					
	MEDIAN	530+00.03		CB 14	539.62	CB	48"	4.52'	D-CB-39S		1						
	OVER RCBC	537+87.97		CB 15	549.39	CB	48"	13.87'	D-CB-39S				1				
	MEDIAN	549+21.79		CB 16	575.09	CB	84"	8.76'	D-CB-39RB			1					
	MEDIAN	553+97.57		CB 17	593.50	CB	84"	8.33	D-CB-39RB			1					
	MEDIAN	570+50.02		CB 18	592.03	CB	48"	4.52'	D-CB-39S		1						
	MEDIAN	579+40.74		CB 19	556.87	CB	84"	23.94'	D-CB-39RB						1		
	MEDIAN	588+09.67		CB 20	523.35	CB	48"	4.40'	D-CB-39S		1						
	MEDIAN	590+00.00		CB 21	518.63	CB	48"	4.52	D-CB-39S		1						
	MEDIAN	593+50.25		CB 22	514.62	CB	48"	5.87'	D-CB-39S		1						
	MEDIAN	595+40.13		CB 23	514.98	CB	48"	4.46'	D-CB-39S		1						
	MEDIAN	600+50.03		CB 24	519.74	CB	48"	8.40'	D-CB-39S			1					
	MEDIAN	608+50.08		CB 25	527.35	CB	62"	4.40'	D-CB-39SC		1						
	OVER RCBB	617+34.03		CB 26	535.77	CB	48"	15.97	D-CB-39S				1				
	MEDIAN	622+50.02		CB 27	543.72	CB	48"	4.40'	D-CB-39S		1						
	OVER RCBB	631+03.23		CB 28	574.23	CB	48"	21.40'	D-CB-39S						1		
	MEDIAN	636+50.02		CB 29	594.83	CB	48"	4.40'	D-CB-39S		1						
	MEDIAN	642+00.00		CB 30	615.55	CB	48"	27.53'	D-CB-39S							1	
	MEDIAN	651+00.00		CB 31	649.46	CB	48"	8.45'	D-CB-39S			1					
	MEDIAN	659+63.87		CB 32	678.50	CB	84"	10.81'	D-CB-39RB			1					
	MEDIAN	675+00.00		CB 33	662.20	CB	84"	4.40'	D-CB-39RB		1						
	MEDIAN	685+00.00		CB 34	622.20	CB	48"	10.44'	D-CB-39S			1					
	MEDIAN	694+00.00		CB 35	586.20	CB	48"	7.78'	D-CB-39S			1					
	MEDIAN	703+93.50		CB 36	546.46	CB	62"	10.31'	D-CB-39SC			1					
	MEDIAN	713+98.06		CB 37	520.03	CB	48"	5.14'	D-CB-39S		1						
	MEDIAN	717+00.00		CB 38	522.82	CB	48"	14.43'	D-CB-39S				1				
	MEDIAN	735+00.00		CB 39	528.36	CB	62"	4.40'	D-CB-39SC		1						
	MEDIAN	746+00.00		CB 40	484.84	CB	48"	4.40'	D-CB-39S		1						
	MEDIAN	748+00.00		CB 41	476.84	CB	48"	4.40'	D-CB-39S		1						
	MEDIAN	755+91.00		CB 42	459.01	CB	48"	4.40'	D-CB-39S		1						
	MEDIAN	761+94.12		CB-43	458.88	CB	48"	4.40'	D-CB-39S		1						
TOTALS										**2**	**22**	**11**	**4**	**1**	**2**	**1**	**0**

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	36001-3290-14	2X

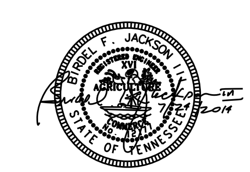
REV. 3/19/2012
REVISED ROW MARKERS

CROSS DRAIN TABULATION

STATION	RCP CLASS III (L.F.) FILL HEIGHT < OR = 18 FT.					RCP CLASS IV (L.F.) FILL HEIGHT > 18 FT. AND < OR = 27 FT.					SKEW	RIP-RAP 709-05.06 (TON)	END TREATMENT							REMARKS
													INLET		OUTLET		CLASS A CONC. 611-07.01 (C.Y.)	REINF. STEEL 611-07.02 (LB.)	STRUC. STEEL 611-07.03 (LB.)	
	24"	30"	36"	42"	48"	18"	24"	30"	36"	48"			TYPE	DRAWING NO.	TYPE	DRAWING NO.				
447+38.93								303			83°04'27"LT		U	D-PE-6	U	D-PE-4	5.49	696	323	
465+41.47			195								90°00'00"LT		U	D-PE-4	U	D-PE-6	7.39	906	377	
501+02.03					183						90°00'00"LT		U	D-PE-6	U	D-PE-4	11.56	1328	523	
549+21.79			194								61°42'41"RT		U	D-PE-6	U	D-PE-4	7.39	906	377	
553+97.58	194										74°39'11"RT		U	D-PE-6	U	D-PE-4	3.96	492		
579+40.74									418		47°50'54"LT		U	D-PE-3	U	D-PE-3	5.52	616	264	
600+50.03	211										90°00'00"RT		U	D-PE-6	U	D-PE-6	4.44	550		
613+49.79		320									72°07'34"LT		U	D-PE-6	U	D-PE-6	6.46	820	372	
621+25.03					295						65°00'00"LT		U	D-PE-6	U	D-PE-3	11.08	1219	487	
659+83.87					252						50°55'07"LT		U	D-PE-6	U	D-PE-6	13.72	1558	640	
682+50.02									296		90°00'00"LT		U	D-PE-3	U	D-PE-3	5.52	616	264	
685+55.69							353				76°13'53"RT		U	D-PE-6	U	D-PE-3	3.74	447		
693+43.34										317	72°46'11"RT		U	D-PE-3	U	D-PE-3	8.44	880	334	
703+93.51				227							85°42'49"LT		U	D-PE-6	U	D-PE-4	9.22	1075	464	
715+72.49					262						87°15'08"RT		U	D-PE-6	U	D-PE-6	13.72	1558	640	
725+72.49								286			68°18'42"RT		U	D-PE-3	U	D-PE-3	4.28	464	228	
739+41.83			268								61°00'00"LT		U	D-PE-6	U	D-PE-6	8.76	1048	434	
744+60.03									419		41°02'06"RT		U	D-PE-4	U	D-PE-4	6.02	764	320	
TOTALS	**405**	**320**	**657**	**227**	**992**	**0**	**353**	**589**	**1133**	**317**		**0**					**136.71**	**15943**	**6047**	

R.O.W. MARKERS

QUANTITIES			
"A"	"B"	"C"	TOTALS
209	27	36	**272**



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	36001-3290-14	2Y

SIDE DRAIN TABULATION

STATION	RCP CLASS III (L.F.) FILL HEIGHT < OR = 18 FT.						RCP CLASS IV (L.F.) FILL HEIGHT > 18 FT. AND < OR = 27 FT.						RIP-RAP 709-05.06 (TON)	END TREATMENT							REMARKS
														INLET		OUTLET		CLASS A CONC. 611-07.01 (C.Y.)	REINF. STEEL 611-07.02 (LB.)	STRUC. STEEL 611-07.03 (LB.)	
	18"	24"	30"	66"	72"		18"	24"	30"	36"	42"	48"		TYPE	DRAWING NO.	TYPE	DRAWING NO.				
466+25 LT	57													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
481+16 LT	22													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
484+43 LT	35													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
486+17 LT	19													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
487+76 LT	28													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
488+00 RT	17													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
488+80 LT	26													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
492+60 LT		38												U	D-PE-3B(1)	U	D-PE-3B(1)	3.04	344	0	Stanfill Lane
492+60 RT	18													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
496+48 LT	37													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
499+54 LT	33													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
502+65 LT	32													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
538+08 LT	80													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
540+02 RT	38													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
541+48 RT	23													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
542+14 RT	31													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
543+82 LT	44													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
547+25 RT	56													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Hidden Cave Lane
558+50 LT		39												U	D-PE-3B(1)	U	D-PE-3B(1)	3.04	344	0	Smith Fork Road
558+50 RT	38													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Lonesome Pine Rd
575+08 RT	103													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
580+00 RT	179													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
587+74 LT					90									Type B	D-PE-9	Type B	D-PE-9	74.10	5602		Side Drain
589+15 RT		151												U	D-PE-3B(1)	U	D-PE-3B(1)	3.04	344	0	Side Drain
595+40 LT				100	50									Type B	D-PE-9	Type B	D-PE-9	182.78	14654		Side Drain
596+38 LT	68													U	D-PE-3B(1)	U	D-PE-3B(1)	3.04	344	0	Side Drain
596+50 RT	20													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
655+40 RT	20													U	D-PE-3B(1)	U	D-PE-3B(1)	3.04	344	0	Side Drain
655+79 RT	36													U	D-PE-3B(1)	U	D-PE-3B(1)	3.04	344	0	Side Drain
659+55 RT	22													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
673+24 RT	24													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
673+50 LT	20													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
681+50 LT			77											U	D-PE-3B(1)	U	D-PE-3B(1)	4.28	464	228	Mystic Springs Rd
694+49 RT	20													U	D-PE-3B(1)	U	D-PE-3B(1)	3.04	344	0	Side Drain
730+34 RT	22													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
732+09 RT	22													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
732+94 LT	23													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
736+34 RT			38											U	D-PE-3B(1)	U	D-PE-3B(1)	4.28	464	228	Old School House Rd
46+73 LT	20													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
Stanfill Ln																					
46+97 RT	20													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
Smith Fork																					
57+14 RT	36													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
Lonesome Pine																					
52+02 RT	20													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
52+77 RT	20													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
Shady Grove W																					
42+00 RT	30													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
46+33 LT	36													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
Cerro Gordo Rd																					
55+69 RT	30													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
56+32 RT	30													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
56+32 LT	30													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
Coy Hill Road																					
47+20 RT	64													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
48+45 RT	20													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
Baptist Loop Rd																					
20+70	44													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Cross Drain
21+53 LT	30													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
Low Water Br																					
52+42 LT	30													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
Jowers																					
51+67 RT		44												U	D-PE-3B(1)	U	D-PE-3B(1)	3.04	344	0	Cross Drain
52+15 RT	30													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
Old Schl House																					
10+95 LT	13													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
11+91 LT	37													U	D-PE-3B(1)	U	D-PE-3B(1)	2.10	264	0	Side Drain
Old School Acc																					
TOTALS	**1753**	**272**	**115**	**100**	**140**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**					**384.26**	**35816**	**456**	

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

8/20/2014
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TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	36001-3290-14	2Z

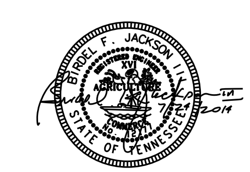
MEDIAN DRAIN TABULATION

Columns 1–15: drain number, station, CMP (L.F.) and rip-rap.

DRAIN NUMBER	STATION	CMP (L.F.) 18"	24"	30"	36"	42"	48"	CMP (L.F.) 18"	24"	30"	36"	42"	48"	RIP-RAP 709-05.06 (TON)
	453+31 MED	79												
4	466+49 MED	160												
5	475+50 MED	96												
	480+19 MED	78												
	492+60 MED	80												
9	495+75 RTM	82												
	504+48 MED	78												
12	514+50 RTM	106												
	519+90 MED	78												
14	530+00 LTM	97												
	533+55 MED	78												
	547+25 MED	78												
	558+50 MED	92												
18	570+50 RTM	102												
20	588+20 MED	180												
21	590+00 MED	60												
22	593+50 MED	110												
23	595+40 MED	190												
	596+50 MED	78												
25	608+50 LTM	102												
27	622+50 LTM	97												
29	636+50 RTM	106												
30	642+00 RTM	155												
31	651+00 RTM	105												
33	675+00 LTM	114												
	681+50 MED	78												
34	685+00 LTM	136												
	693+16 MED	81												
35	694+00 LTM	118												
37	714+00 RTM	95												
38	717+00 RTM	120												
39	735+00 LTM	80												
40	746+00 MED	200												
41	748+00 MED	40												
42	755+90 LTM	112												
43	761+95 RTM	86												
	TOTALS	3727	0	0	0	0	0	0	0	0	0	0	0	0

Columns 16–23: end treatment and remarks, repeated with the drain number and station.

DRAIN NUMBER	STATION	END TREATMENT: INLET TYPE	INLET DRAWING NO.	OUTLET TYPE	OUTLET DRAWING NO.	CLASS A CONC. 611-07.01 (C.Y.)	REINF. STEEL 611-07.02 (LB.)	STRUC. STEEL 611-07.03 (LB.)	REMARKS
	453+31 MED	U	D-SEW-12D	U	D-SEW-12D	6.60	708	840	Median Drain
4	466+49 MED								Median Drain
5	475+50 MED			U	D-PE-6B(1)	1.47	193	0	Median X-Drain
	480+19 MED	U	D-SEW-12D	U	D-SEW-12D	6.60	708	840	Side Drain
	492+60 MED	U	D-SEW-12D	U	D-SEW-12D	6.60	708	840	Side Drain
9	495+75 RTM			U	D-PE-6B(1)	1.47	193	0	Median X-Drain
	504+48 MED	U	D-SEW-12D	U	D-SEW-12D	6.60	708	840	Median Drain
12	514+50 RTM			U	D-PE-6B(1)	1.47	193	0	Median X-Drain
	519+90 MED	U	D-SEW-12D	U	D-SEW-12D	6.60	708	840	Median Drain
14	530+00 LTM			U	D-PE-6B(1)	1.47	193	0	Median X-Drain
	533+55 MED	U	D-SEW-12D	U	D-SEW-12D	6.60	708	840	Median Drain
	547+25 MED	U	D-SEW-12D	U	D-SEW-12D	6.60	708	840	Median Drain
	558+50 MED	U	D-SEW-12D	U	D-SEW-12D	6.60	708	840	Median Drain
18	570+50 RTM			U	D-PE-3B(1)	1.05	132	0	Median X-Drain
20	588+20 MED								Median Drain
21	590+00 MED			U				0	Median Drain
22	593+50 MED			U				0	Median Drain
23	595+40 MED								Median Drain
	596+50 MED	U	D-SEW-12D	U	D-SEW-12D	6.60	708	840	Median Drain
25	608+50 LTM			U	D-PE-6B(1)	1.47	193	0	Median X-Drain
27	622+50 LTM			U	D-PE-6B(1)	1.47	193	0	Median X-Drain
29	636+50 RTM			U	D-PE-6B(1)	1.47	193	0	Median X-Drain
30	642+00 RTM			U	D-PE-4B(1)	1.06	147	0	Median X-Drain
31	651+00 RTM			U	D-PE-4B(1)	1.06	147	0	Median X-Drain
33	675+00 LTM			U	D-PE-6B(1)	1.47	193	0	Median X-Drain
	681+50 MED	U	D-SEW-12D	U	D-SEW-12D	6.60	708	840	Median Drain
34	685+00 LTM			U	D-PE-6B(1)	1.47	193	0	Median X-Drain
	693+16 MED	U	D-SEW-12D	U	D-SEW-12D	6.60	708	840	Median Drain
35	694+00 LTM			U	D-PE-6B(1)	1.47	193	0	Median X-Drain
37	714+00 RTM			U	D-PE-6B(1)	1.47	193	0	Median X-Drain
38	717+00 RTM			U	D-PE-4B(1)	1.06	147	0	Median X-Drain
39	735+00 LTM			U	D-PE-6B(1)	1.47	193	0	Median X-Drain
40	746+00 MED								Median Drain
41	748+00 MED			U				0	Median Drain
42	755+90 LTM			U	D-PE-6B(1)	1.47	193	0	Median X-Drain
43	761+95 RTM			U	D-PE-6B(1)	1.47	193	0	Median X-Drain
	TOTALS					97.41	11063	9240	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

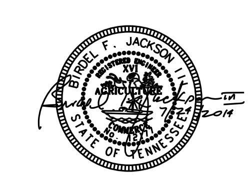
$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	36001-3290-14	2AA

7-23-14
UPDATED QUANTITIES

PAVEMENT QUANTITIES

LOCATION	PAY ITEMS 303-01 (TON)				307-01.01 (TON)	307-01.08 (TON)	307-02.01 (TON)	307-02.02 (TON)	307-02.03 (TON)	307-02.08 (TON)	309-01.01 (TON)		309-01.02 (TON)		313-03 (S.Y.)	402-01 (TON)	402-02 (TON)	403-01 (TON)	411-01.07 (TON)	411-01.10 (TON)	411-02.10 (TON)	501-01.01 (S.Y.)
	ALT. A	ALT. B	ALT. D	ALT. E			A and B	A and B	A and B	A and B	ALT. B	ALT. E	ALT. B	ALT. E	D and E	A, B, D, E	A, B, D, E	A and B	A, B, D, E	A, B, D, E	A and B	D and E
MAINLINE	78752		61525	39376			31633	805	23951	20763	55456	36934	2702	1800	183375	455	739	60			12153	183375
MAINLINE SHLDRS	103362	44298	102850	123665		38128													6435			
SIDEROADS	11428	11428	11428	11428	185	125														1344		
DETOURS	4984	4984	4984	4984	2492	1184														693		
DRIVEWAYS	1994	1994	1994	1994	997	41														1476		
TOTALS	200520	62704	182781	181447	3674	39478	31633	805	23951	20763	55456	36934	2702	1800	183375	455	739	60	6435	3513	12153	183375



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	3
CONST	2014	36001-3290-14	

REV. 2-08-10

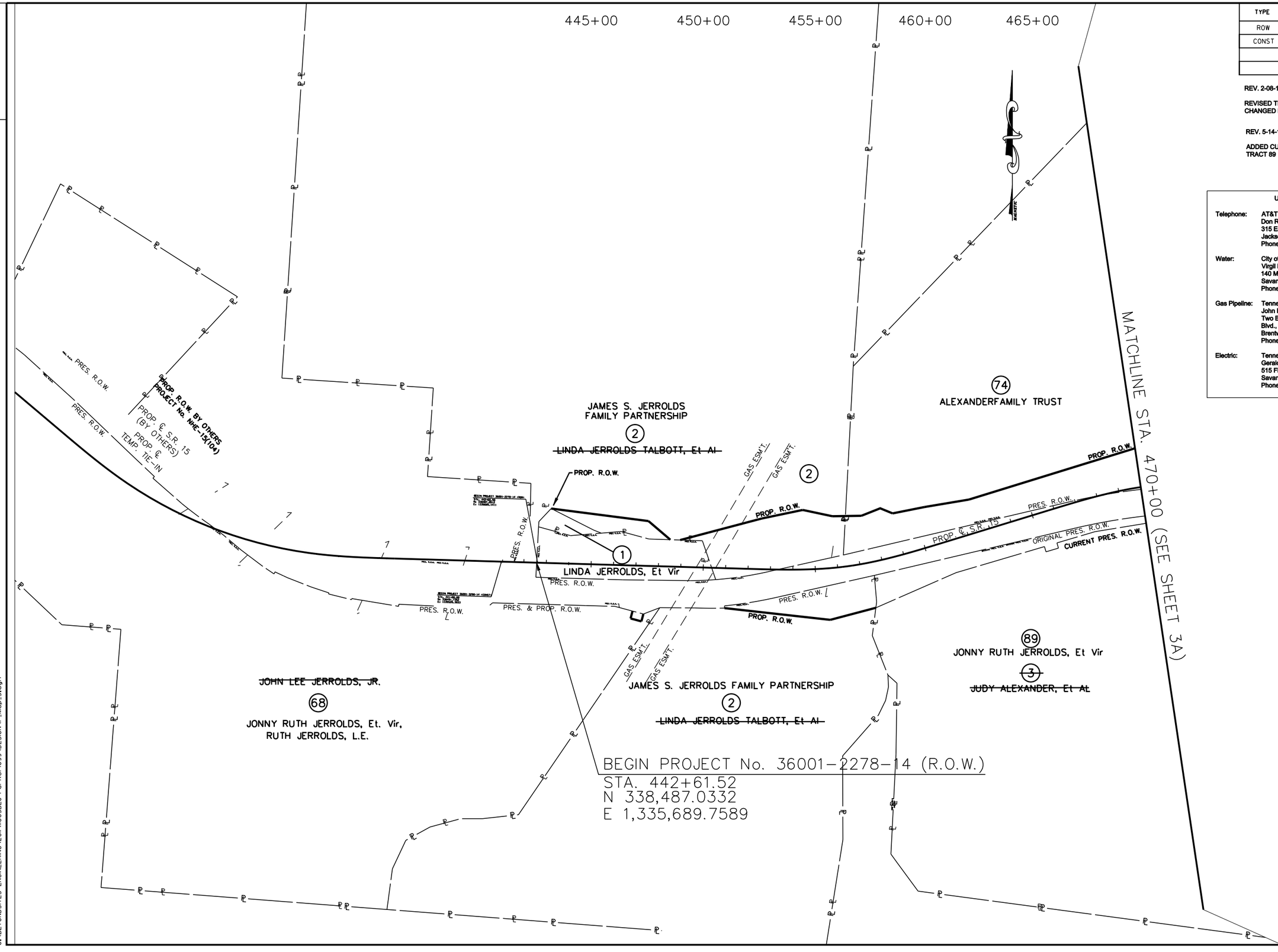
REVISED TRACT 1 PROP. LINES
CHANGED PROP. OWNER TRACT 68

REV. 5-14-13

ADDED CURRENT PRES. R.O.W. TO
TRACT 89

UTILITIES

Telephone:	AT&T Don Roe 315 East College Street Jackson, TN 38301 Phone (731) 423-5037
Water:	City of Savannah Virgil Morris of Thomas Smith 140 Main Street Savannah, TN 38372 Phone (731) 925-4261
Gas Pipeline:	Tennessee Gas Pipeline Co. John Pannell or Steve Hockett Two Brentwood Commons, 750 Old Hickory Blvd., Suite 190 Brentwood, TN 37027 Phone (615) 221-1525 (Steve Hockett)
Electric:	Tennessee Valley Electric Co-op Gerald Taylor 515 Florence Road Savannah, TN 38372 Phone (731) 925-4916



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP
B.O.P.
TO

8/16/2014
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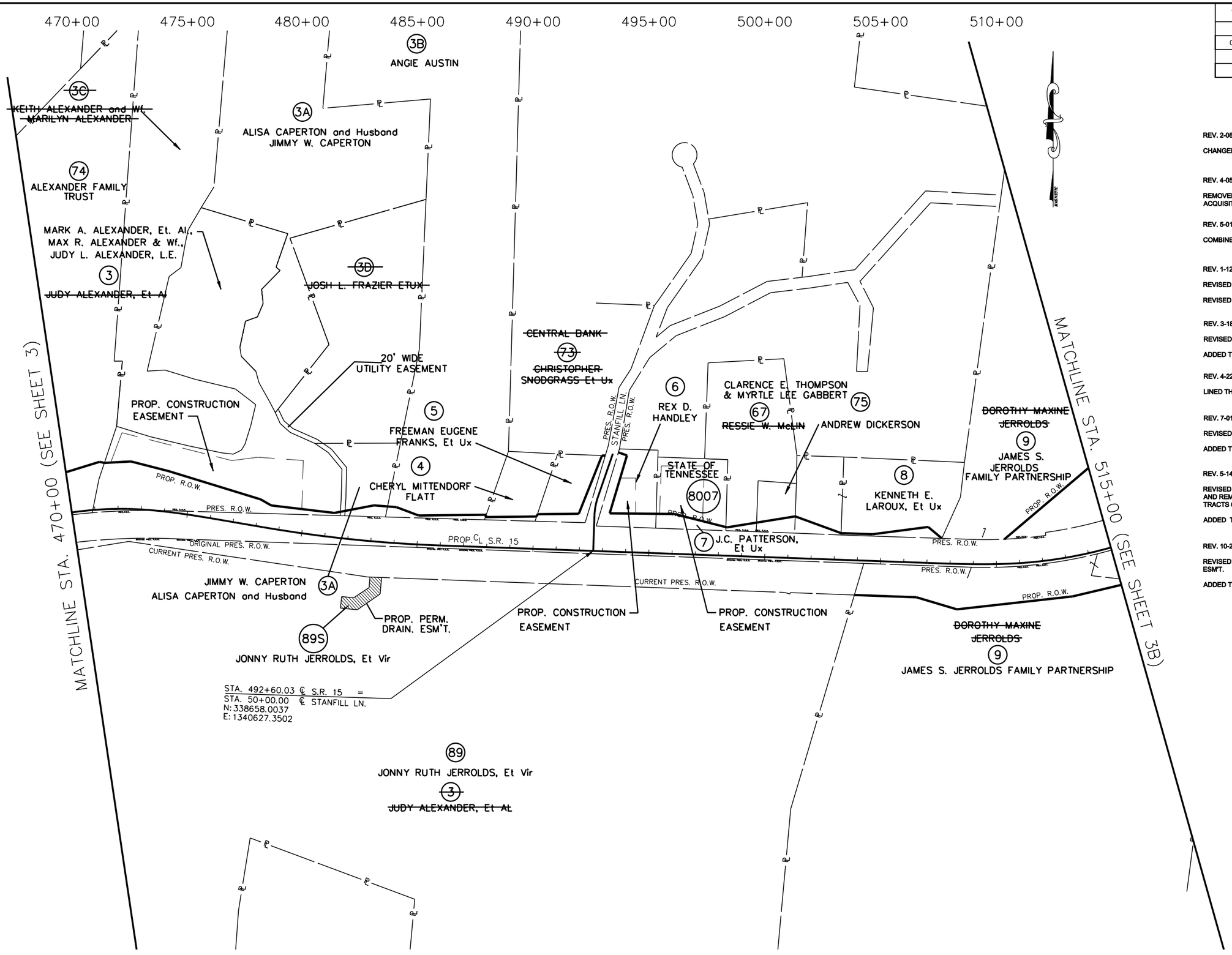
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	3A
CONST	2014	36001-3290-14	



REV. 2-08-10

CHANGED PROP. OWNERS TRACTS 3,9,73

REV. 4-05-10

REMOVED PARCEL 73 FROM ROW ACQUISITION

REV. 5-01-10

COMBINED TRACTS 3 & 66 INTO TRACT 3

REV. 1-12-11

REVISED OWNER TRACT 75

REVISED PROP. ROW AND TCE TRACT 3

REV. 3-18-11

REVISED TRACTS 3, 7, & 67

ADDED TRACTS 3A THRU 3D

REV. 4-22-11

LINED THROUGH TRACTS 3C & 3D

REV. 7-01-11

REVISED PROP ROW TRACT 4

ADDED TEMP CONST ESMT TRACTS 6 & 7

REV. 5-14-13

REVISED TEMP CONST ESMT NOTATION AND REMOVED PATTERNING FOR TRACTS 6 & 7

ADDED TRACT 89S

REV. 10-24-13

REVISED TRACT 89S TO PERM. DRAIN. ESM'T.

ADDED TRACT 8007

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP
STA. 470+00
TO
STA. 515+00

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	3B
CONST	2014	36001-3290-14	

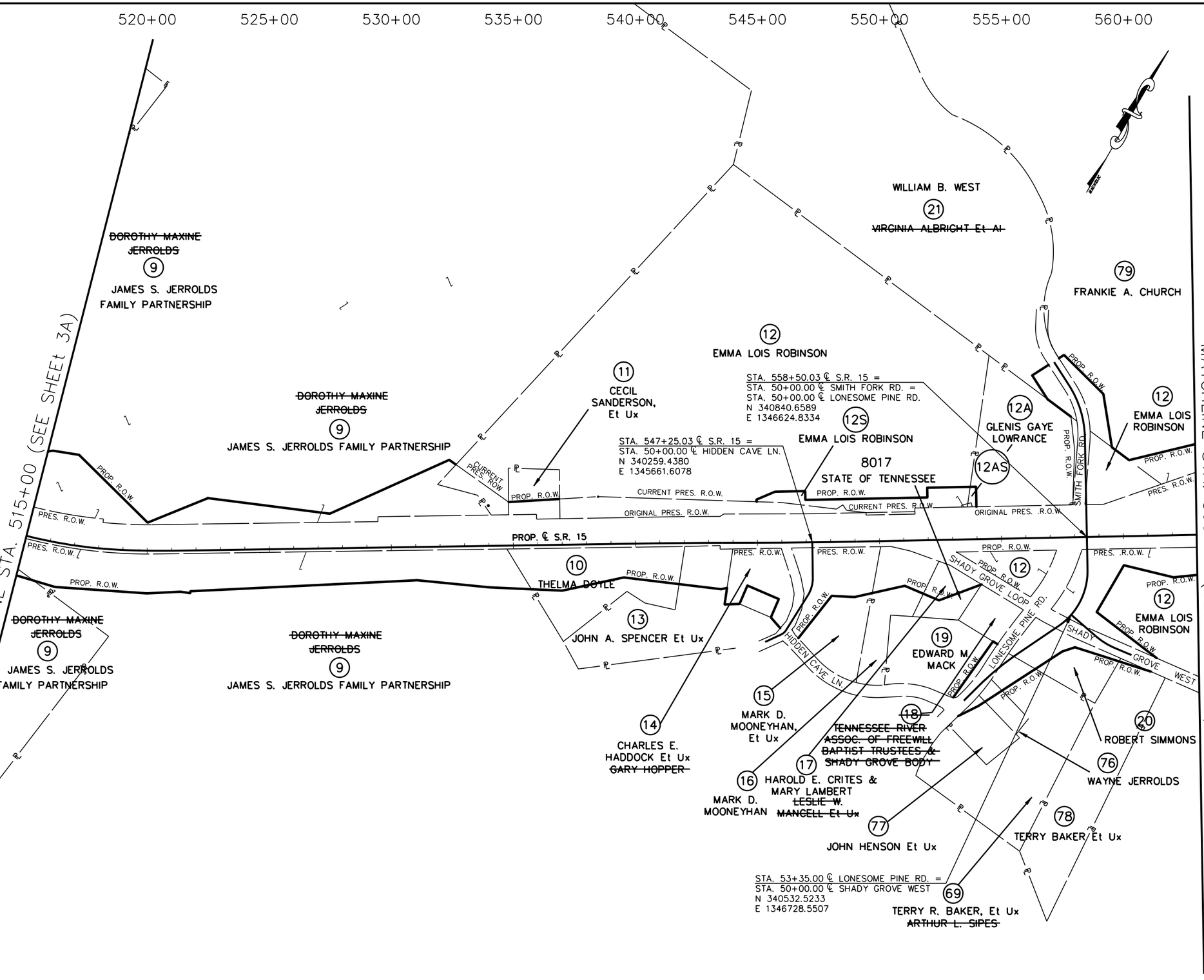
REV. 2-08-10
CHANGED PROP. OWNERS TRACTS 9,69

REV. 3-18-11
REVISED TRACTS 12, 76, & 77
ADDED TRACT 8017
CHANGED PROP OWNER TRACTS 15 & 16

REV. 5-31-11
CHANGED PROP OWNER TRACT 79

REV. 2-24-12
ADDED TRACTS 12S AND 12AS

REV. 6-29-12
REVISED TRACT 12S



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPERTY MAP
STA. 515+00
TO
STA. 563+00
SCALE: 1" = 200'

8/16/2014
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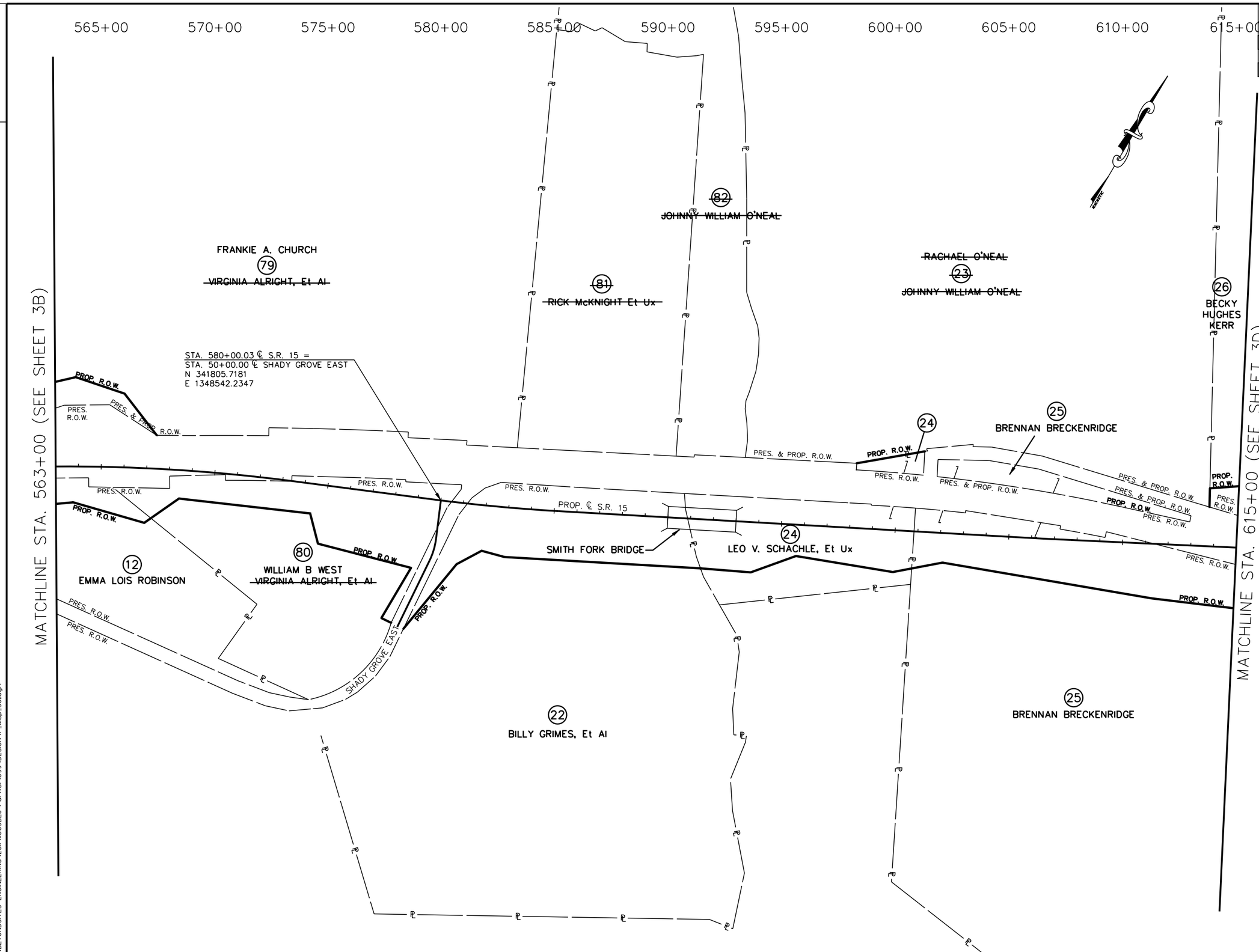
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	3C
CONST	2014	36001-3290-14	

REV 1-12-11
REVISED OWNER TRACT 26

REV 3-18-11
REVISED TRACT 24

REV 5-31-11
REVISED PROP OWNER TRACT 79



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPERTY MAP
STA. 563+00
TO
STA. 615+00
SCALE: 1" = 200'

8/16/2014
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TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	3D
CONST	2014	36001-3290-14	

REV. 2-08-10

REMOVED TRACT 28 FROM ROW ACQUISITION

REV. 4-05-10

REMOVED LABELS TRACTS 25 & 28

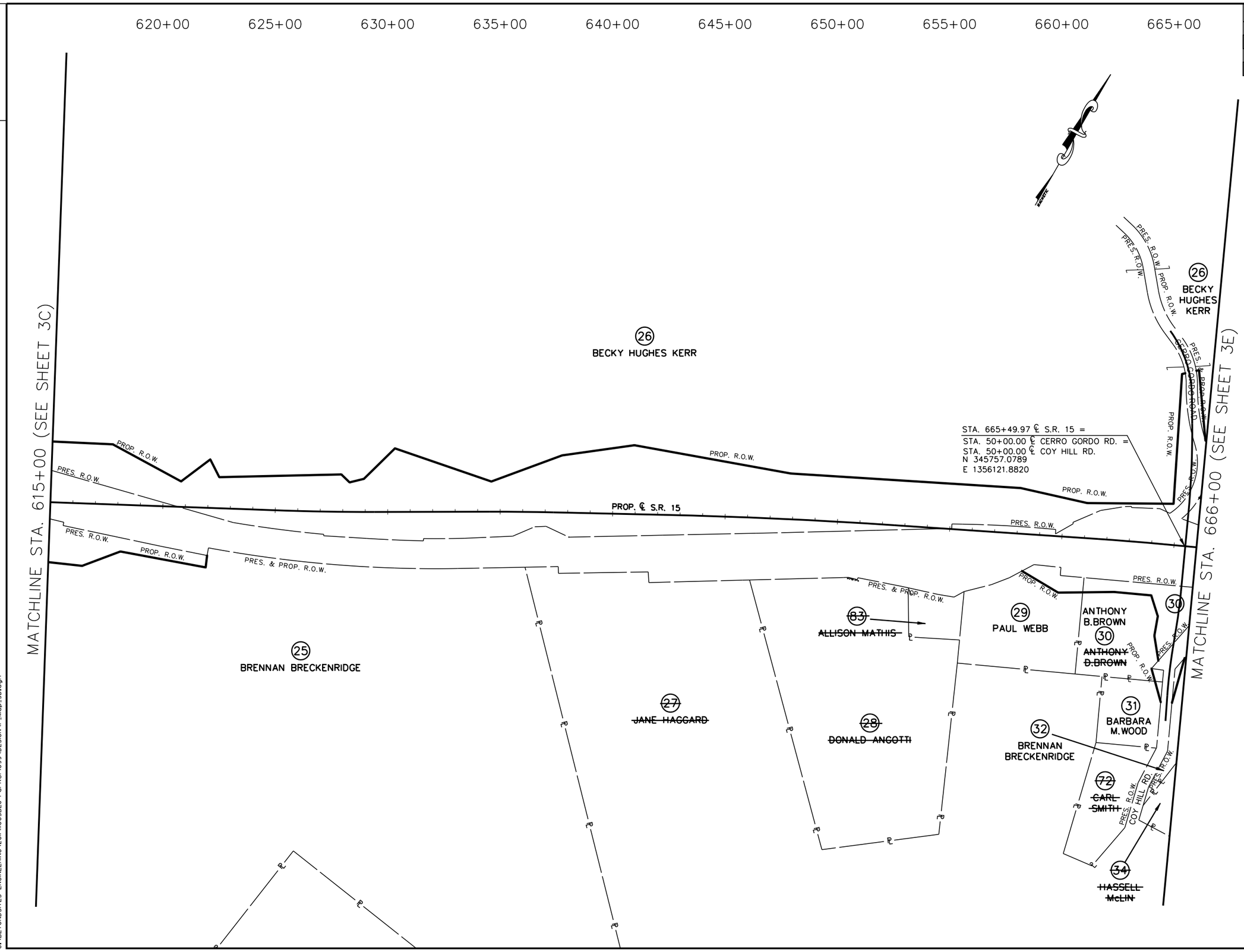
REV. 11-29-10

REVISED ALIGN CERRO GORDO AND COY HILL RDS

REVISED PROP ROW TRACTS 26, 30, 31 & 32

REV. 1-12-11

REVISED OWNER TRACT 26



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPERTY MAP
STA. 615+00
TO
STA. 666+00
SCALE: 1" = 200'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	3E
CONST	2014	36001-3290-14	

REV. 2-08-10

ADDED TRACT 35 TO ROW ACQUISITION

REMOVED TRACT 37 FROM ROW ACQUISITION

CHANGED PROP. OWNERS TRACTS 37 & 41

REV. 1-12-11

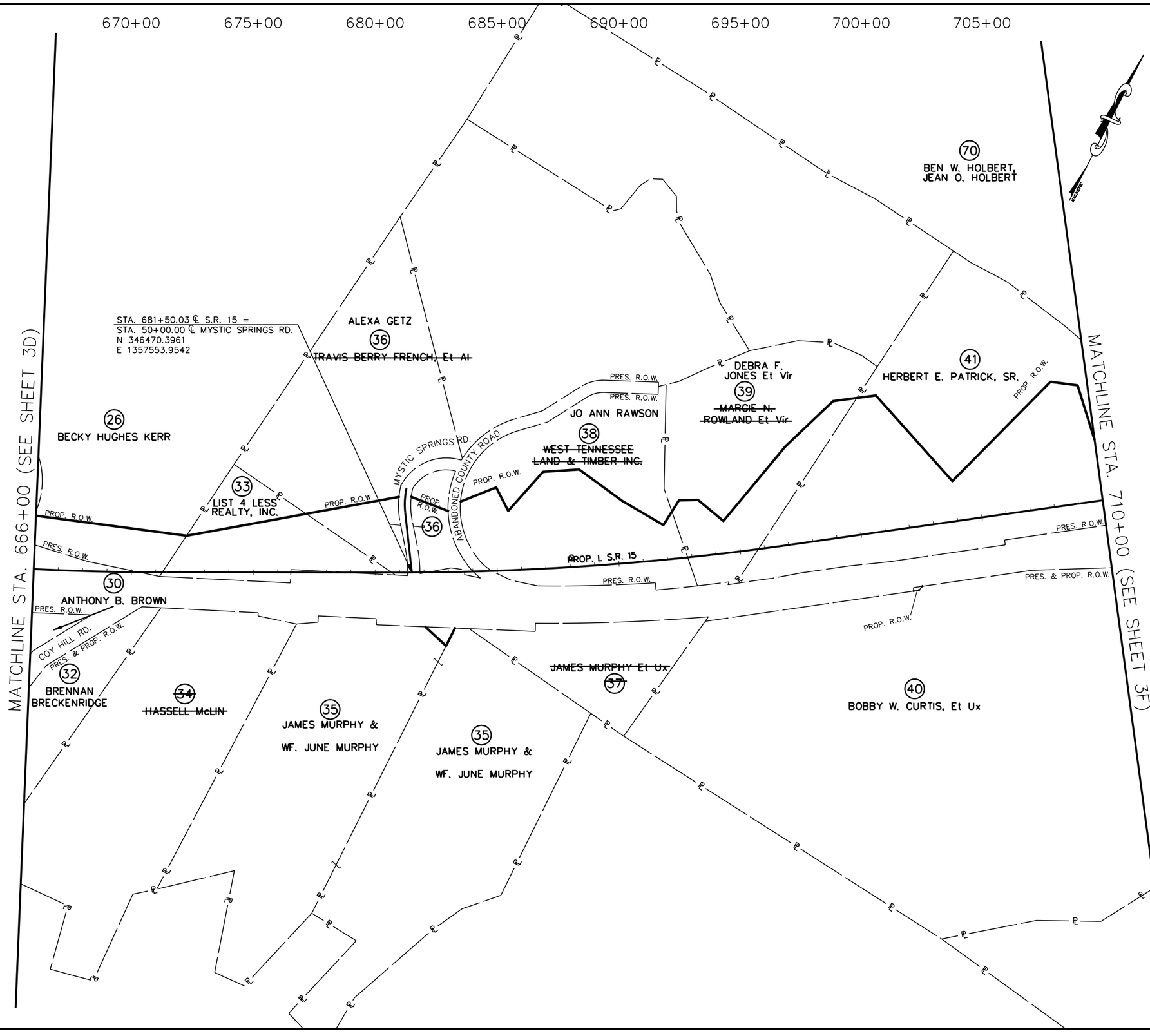
REVISED OWNER TRACT 38

REV. 3-18-11

REVISED OWNER TRACT 35

REV. 6-29-12

REVISED OWNER TRACT 33



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPERTY MAP
STA. 666+00
TO
STA. 710+00
SCALE: 1" = 200'

8/16/2014
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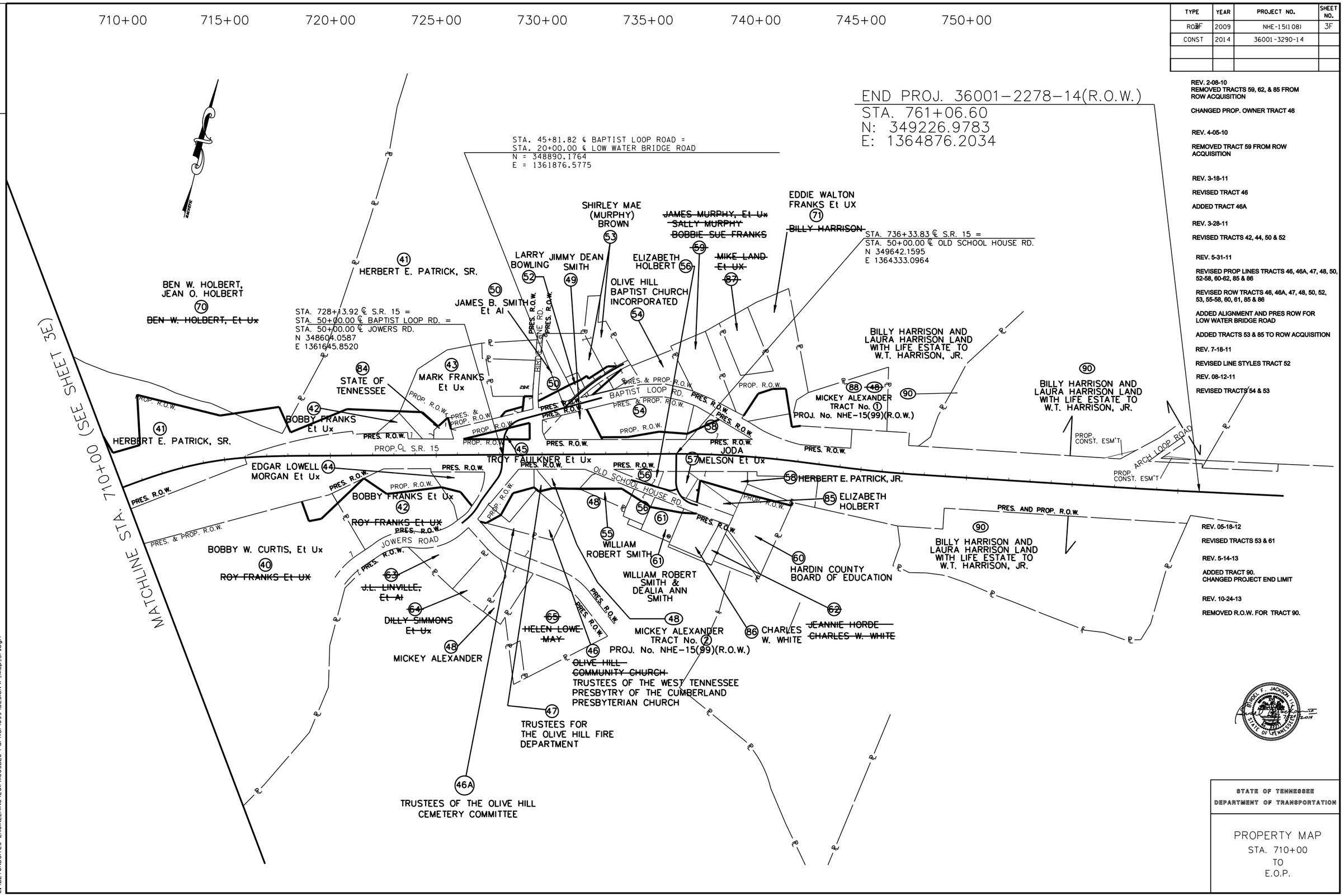
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	3F
CONST	2014	36001-3290-14	



REV. 2-08-10
REMOVED TRACTS 59, 62, & 85 FROM ROW ACQUISITION

CHANGED PROP. OWNER TRACT 46

REV. 4-05-10

REMOVED TRACT 59 FROM ROW ACQUISITION

REV. 3-18-11

REVISED TRACT 46

ADDED TRACT 46A

REV. 3-28-11

REVISED TRACTS 42, 44, 50 & 52

REV. 5-31-11

REVISED PROP LINES TRACTS 46, 46A, 47, 48, 50, 52-58, 60-62, 85 & 86

REVISED ROW TRACTS 46, 46A, 47, 48, 50, 52, 53, 55-58, 60, 61, 85 & 86

ADDED ALIGNMENT AND PRES ROW FOR LOW WATER BRIDGE ROAD

ADDED TRACTS 53 & 85 TO ROW ACQUISITION

REV. 7-18-11

REVISED LINE STYLES TRACT 52

REV. 08-12-11

REVISED TRACTS 54 & 53

REV. 05-18-12

REVISED TRACTS 53 & 61

REV. 5-14-13

ADDED TRACT 90.
CHANGED PROJECT END LIMIT

REV. 10-24-13

REMOVED R.O.W. FOR TRACT 90.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP
STA. 710+00
TO
E.O.P.

8/6/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	3G
CONST	2014	36001-3290-14	

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	TEMP CONST.
1	LINDA JERROLDS, Et Vir	74	9.00	94	508	0.336		0.336	0.336		0.336					
2	JAMES S. JERROLDS FAMILY PARTNERSHIP	63	10.04	251	831	228.200	351.800	580.000	3.716	1.733	5.449	224.484	350.067			
3	MARK A. ALEXANDER, Et Al., MAX R. ALEXANDER & Wf., JUDY L. ALEXANDER, L.E.	75	1.00, 1.02	478	319	14.347	2,019 sq.ft.	14.394	2.619	2,019 sq.ft.	2.665	11.729				2.654 (left
3A	ALISA CAPERTON & Husband JIMMY W. CAPERTON	75	1.12	476	54	39.478		39.478	0.167		0.167	39.311				
~~3B~~	~~ANGIE AUSTIN~~	~~75~~	~~1.33~~	~~478~~	~~319~~	~~58.251~~		~~58.251~~	~~0.210~~		~~0.210~~	~~58.041~~				
~~3C~~	~~KEITH ALEXANDER & Wf. MARILYN ALEXANDER~~	~~75~~	~~1.32~~	~~478~~	~~319~~	~~50.478~~		~~50.478~~								
3D	JOSH L. FRAZIER, Et. Ux.	75	1.34	498	635	10.958		10.958								
4	CHERYL MITTENDORF FLATT	75	1.05	139	101	1.467		1.467	3,536 sq.ft.		3,536 sq.ft.	1.386				
5	FREEMAN EUGENE FRANKS, Et. Ux.	75	1.17	186	78	1.417		1.417	0.327		0.327	1.090				
6	REX D. HANDLEY	75	1.06	132	475	1.634		1.634	0.578		0.578	1.056				0.314
7	J.C. PATTERSON & DRUCELLA	75	1.08	97	368	2.128		2.128	0.317		0.317	1.811				0.935
8	KENNETH E. LAROUX, Et. Ux.	75 75 75	1.15 1.15 1.11	188 189 189	615 563 146	5.314		5.314	0.394		0.394	4.920				
9	JAMES S. JERROLDS FAMILY PARTNERSHIP	75 75	1.01 8.00	251	831	202.373	614.500	816.873	5.888	10.904	16.792	196.485	603.596			
10	THELMA DOYLE	75	7.00	37	189		3.859	3.859		2.308	2.308		1.551			
11	CECIL SANDERSON, Et. Ux.	75	2.01	122	809	0.920		0.920	0.316		0.316	0.604				
12	EMMA LOIS ROBINSON	75	2.00	188	44	44.703	15.792	60.495	3.332	4.015	7.347	41.371	11.777			
12A	GLENIS GAY LOWRANCE	75	2.02	204	155	4.569		4.569	3,805 sq.ft.		3,805 sq.ft.	4.482				
12S	EMMA LOIS ROBINSON	75	2.00	188	44	41.371	11.777	53.148	1.030		1.030	40.341	11.777			
12AS	GLENIS GAY LOWRANCE	75	2.02	204	155	4.482		4.482	2,265 sq.ft.		2,265 sq.ft.	4.43				
13	JOHN A. SPENCER, Et. Ux.	75	5.04	337	762		5.000	5.000		0.749	0.749		4.251			
14	CHARLES E. HADDOCK, Et. Ux.	75	5.08	302	517		1.252	1.252		1.252	1.252					
15	MARK D. MOONEYHAN, Et. Ux.	75	5.09	196	171		3.249	3.249		1.717	1.717		1.532			
16	MARK D. MOONEYHAN	75	5.10	196	169		2.002	2.002		0.836	0.836		1.166			
17	HAROLD E. CRITES & MARY LAMBERT	75	5.11	376	499		0.920	0.920		0.456	0.456		0.464			
~~18~~	~~TENNESSEE RIVER ASSOCIATION OF FREEWILL BAPTISTS TRUSTEES AND SHADY GROVE BODY~~	~~75~~	~~5.02~~	~~122~~	~~323~~		~~0.777~~	~~0.777~~								
19	EDWARD M. MACK	75	5.13	470	844		2.547	2.547		0.144	0.144		2.403			
20	ROBERT SIMMONS	75	5.07	371	410		1.771	1.771		0.820	0.820		0.951			
21	WILLIAM B. WEST	62	2.00	241	792	620.160		620.160	0.359		0.359	619.801				
22	BILLY GRIMES, Et. Al.	75	3.04	154	507	2.255	63.230	65.485	2.255	5.683	7.938		57.547			
~~23~~	~~RACHEL O'NEAL~~	~~62~~ ~~62~~ ~~62~~	~~6.00~~ ~~6.00~~ ~~6.00~~	~~330~~ ~~211~~ ~~331 & WB9~~	~~682~~ ~~146~~ ~~859, 31~~	~~247.00~~		~~247.00~~								
24	LEO V. SCHACHLE, Et. Ux.	62	9.00	129	719	2.494	6.600	9.094	2.494	3.998	6.492		2.602			
25	BRENNAN BRECKENRIDGE	61	51.02	136	353	3.387	179.290	182.677	3.387	7.668	11.055		171.622			
26	BECKY HUGHES KERR	61	1.00	91	411	488.880	6.122	495.002	24.246	6.122	30.368	464.634				
~~27~~	~~JANE HAGGARD~~	~~61~~	~~51.08~~	~~139~~	~~195~~		~~28.369~~	~~28.369~~								
~~28~~	~~DONALD ANGOTTI~~	~~61~~	~~51.20~~	~~398~~	~~824~~		~~18.450~~	~~18.450~~								
29	PAUL WEBB	61	51.07	267	234		4.967	4.967		0.444	0.444		4.523			
30	ANTHONY B. BROWN	61	51.04	154	479		4.783	4.783		1.846	1.846		2.937			
31	BARBARA M. WOOD	61	51.05	443	855		1.830	1.830		1,512 sq.ft.	1,512 sq.ft.		1.796			

REV. 2-08-10

CHANGED ALL AREAS IN ACRES TO 3 DECIMALS

REMOVED TRACTS 23 & 28 FROM ROW ACQUISITION

CHANGED PROP OWNERS TRACTS 3 & 9

CHANGED DEED BK & PG TRACT 3

REVISED TOTAL AREA TRACTS 3, 7 & 12

REVISED AREA TO BE ACQUIRED TRACTS 1-3, 12, 12A & 26

REVISED AREA REMAINING TRACTS 2, 3, 7, 12 & 12A

REV. 4-05-10

REVISED AREAS TO BE ACQUIRED TRACTS 2 & 26

REVISED AREAS REMAINING TRACTS 2 & 26

REV. 5-01-10

REVISED AREA LT. TRACT 1

COMBINED TRACTS 3 & 66 INTO TRACT 3

ADDED TAX MAP, PARCEL NO., DEED BOOK & PAGE TRACT 29

REV. 11-29-10

REVISED AREA TO BE ACQUIRED AND AREA REMAINING TRACTS 26, 30, 31 & 32

REV. 1-12-11

ADDED PARCEL NO. TRACT 3

REVISED AREA TO BE ACQUIRED, AREA REMAINING AND TEMP. CONST. EASEMENT AREA TRACT 3

REVISED AREA RT, TOTAL AREA AND AREA REMAINING RT TRACT 13

REVISED OWNER AND DEED BOOK TRACT 26

REV. 3-18-11

REVISED TOTAL AREAS, AREAS TO BE ACQUIRED AND AREAS REMAINING TRACTS 3, 7, 9, 12 & 24

ADDED TRACTS 3A, 3B, 3C & 3D

CHANGED PROP OWNER TRACTS 15 & 16

REV. 4-22-11

ADDED AREAS TO BE ACQUIRED AND AREAS REMAINING TRACT 3

REVISED TOTAL AREA & AREA REMAINING TRACT 8

REVISED AREA TO BE ACQ & AREA REMAINING TRACTS 2, 12 & 31

REVISED TOTAL AREA & AREA TO BE ACQ TRACT 24

REVISED DEED BK TRACT 26

REVISED EASEMENT HEADING

REVISED TOTAL AREA & AREA TO BE ACQ TRACT 1

REVISED AREA TO BE ACQ RT TRACT 3

REV. 5-18-12

REVISED TRACT 12S

REV. 5-31-11

REVISED PROP OWNER TRACT 21

REV. 7-01-11

REVISED TOTAL AREA & AREA TO BE ACQ TRACT 1

REVISED AREA TO BE ACQ & AREA REMAINING TRACTS 2 & 4

REVISED AREA REMAINING TRACT 3

ADDED TEMP CONST ESMT TRACTS 6 & 7

REVISED AREA TO BE ACQ TRACT 31

REV. 2-24-12

ADDED TRACTS 12S AND 12AS

REV. 4-25-12

REVISED TRACT 12S

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

RIGHT-OF-WAY ACQUISITION TABLE

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	3H
CONST	2014	36001-3290-14	

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	TEMP CONST.
32	BRENNAN BRECKENRIDGE	61	51.03	136	353		4.053	4.053		2,879sq.ft.	2,879 sq.ft.		3.987			
33	LIST 4 LESS REALTY, INC.	61	46.00	555	101	4.748	0.389	5.137	3.303	0.389	3.692	1.445				
~~34~~	~~HASSELL McLIN~~	~~61~~	~~46.04~~	~~186~~	~~513~~		~~19.620~~	~~19.620~~								
35	JAMES MURPHY & Wf. JUNE MURPHY	61	46.05,46.06	497;497; 141;132	606;604; 423;427		38.854	38.854		0.104	0.104		38.750			
36	ALEXA GETZ	61	2.05	210;483	116;587	16.341	1,578 sq.ft	16.378	2.564	1,578 sq.ft.	2.600	13.777				
~~37~~	~~JAMES MURPHY, Et. Ux~~	~~61~~	~~2.01~~	~~497~~	~~613~~		~~5.220~~	~~5.220~~								
38	JO ANN RAWSON	61	2.03	508	379	11.889	1.501	13.390	5.946	1.501	7.447	5.943				
39	DEBRA F. JONES, Et. Vir.	61	2.04	265	77	11.541	0.634	12.175	3.251	0.634	3.885	8.29				
40	BOBBY W. CURTIS, Et. Ux.	61	30.01	68	88		90.000	90.000		0.299	0.299		89.701			
41	HERBERT E. PATRICK, SR.	61	3.00	486	706	94.850	5.089	99.939	16.522	5.089	21.611	78.328				
42	BOBBY FRANKS, Et. Ux.	61	21.00	328	877	0.238	3.311	3.549	0.238	0.811	1.049		2.500			
43	MARK FRANKS, Et. Ux.	61	19.00	486	639	3.361		3.361	0.348		0.348	3.013				
44	EDGAR LOWELL MORGAN, Et. Ux.	61	32.01	186	61		0.732	0.732		0.520	0.520		0.212			
45	TROY FAULKNER, Et. Ux.	61	4.00	185	644	0.282		0.282	0.282		0.282					
46	TRUSTEES OF THE WEST TENNESSEE PRESBYTRY OF THE CUMBERLAND PRESBYTERIAN CHURCH	61	44.00	495	762		0.679	0.679		0.422	0.422		0.257			
46A	TRUSTEES OF THE OLIVE HILL CEMETERY COMMITTEE	61	44.01	422	75		1.027	1.027		0.110	0.110		0.917			
47	TRUSTEES FOR THE OLIVE HILL FIRE DEPARTMENT	61	5.02	117	176		0.113	0.113		0.113	0.113					
48	MICKEY ALEXANDER	61 61 61 61	5.00 22.00 23.00 30.00	113 179 43 WB10	160 321 383 681		7.860	7.860		0.425	0.425		7.435			
49	JIMMY DEAN SMITH	61	5.01	148	873	0.601		0.601	0.601		0.601					
50	JAMES B. SMITH, Et. Al.	61 61	18.00 13.00	167 167	724 724	0.729		0.729	0.200		0.200	0.529				
52	LARRY BOWLING	61	12.00	70	613	0.129		0.129	3,275 sq.ft.		3,275 sq.ft.	2,339 sq.ft.				
53	SHIRLEY MAE (MURPHY) BROWN	61 61	11.00 10.00	345 345	16 16	2.170		2.170	0.161		0.161	2.009				
54	OLIVE HILL BAPTIST CHURCH INCORPORATED	61	6.00	299	42	2.683		2.683	0.208		0.208	2.475				
55	WILLIAM ROBERT SMITH	61	22.01	123;116	63;820		0.506	0.506		0.239	0.239		0.267			
56	ELIZABETH HOLBERT	61	24.00	185	148		0.551	0.551		0.312	0.312		0.239			
57	JODA MELSON, Et. Ux.	61	28.00	53	120		0.367	0.367		0.367	0.367					
58	HERBERT E. PATRICK, JR.	61	6.01	486	706	0.595	0.586	1.181	0.383	0.406	0.789	0.212	0.180			
~~59~~	~~JAMES MURPHY, Et. Ux~~	~~61~~	~~8.00~~	~~494;815~~	~~873;848~~	~~1.200~~		~~1.200~~								
60	HARDIN COUNTY BOARD OF EDUCATION	61	27.00	5	32		2.100	2.100		0.167	0.167		1.933			
61	WILLIAM ROBERT SMITH AND DELIA ANN SMITH	61	25.00	449	823		0.579	0.579		0.121	0.121		0.458			
~~62~~	~~JEANNIE HORDE~~	~~61~~	~~26.00~~	~~47~~	~~26~~		~~0.295~~	~~0.295~~								
~~63~~	~~J.L. LINVILLE, Et. Al.~~	~~61~~	~~32.00~~	~~100~~	~~735~~		~~1.086~~	~~1.086~~								
~~64~~	~~BILLY SIMMONS, Et. Ux.~~	~~61~~	~~33.00~~	~~46~~	~~584~~		~~0.877~~	~~0.877~~								
~~65~~	~~HELEN LOWE MAY~~	~~61~~	~~36.00~~	~~173~~	~~596~~		~~3.080~~	~~3.080~~								
67	CLARENCE E. THOMPSON & MYRTLE LEE GABBERT	75	1.16, 1.31	480;480	384;845	4.867		4.867	3,479 sq.ft.		3,479 sq.ft.	4.788				

REV. 2-08-10

CHANGED ALL AREAS IN ACRES TO 3 DECIMALS

REMOVED TRACTS 37, 53, 59 & 62 FROM ROW ACQUISITION
ADDED TRACT 52 TO ROW ACQUISITION

CHANGED DEED BK & PG TRACTS 37, 41, & 46

CHANGED PROP OWNERS TRACTS 41, 46, 47, 53 & 54

REVISED TOTAL AREA TRACTS 36, 41, 43, 54, 56, 58, 60, 61 & 67

REVISED AREA TO BE ACQUIRED TRACTS 36, 42, 43, 50, 58, 66-67

REVISED AREAS REMAINING TRACTS 39, 42, 43, 50, 54, 56, 58, 60, 61, 66-67

ADDED TRACT 35 TO ROW ACQUISITION

REV. 4-05-10

REMOVED PARCEL 73 FROM ROW ACQUISITION

REV. 5-01-10

COMBINED TRACTS 3 & 66 INTO TRACT 3

REV. 11-29-10

REVISED AREA TO BE ACQUIRED AND AREA REMAINING TRACT 32

REV. 1-12-11

REVISED OWNER AND DEED BOOK AND PAGE TRACT 38

REVISED DEED BOOK AND PAGE TRACT 36

REV. 3-18-11

REVISED TOTAL AREAS, AREAS TO BE ACQUIRED AND AREAS REMAINING TRACTS 46 & 67

ADDED TRACT 46A

CHANGED PROP OWNER TRACTS 35 & 67

REVISED DEED BK & PG TRACT 35

REV. 3-28-11

REVISED TOTAL AREAS, AREAS TO BE ACQUIRED AND AREAS REMAINING TRACTS 42, 44, 50 & 52

REV. 4-22-11

REVISED DEED BK & PG TRACT 35

REVISED AREA TO BE ACQUIRED TRACTS 33 & 35

REVISED AREA TO BE ACQ & AREA REMAINING TRACTS 40 & 43

REVISED AREA TO BE ACQ TRACT 58

REVISED EASEMENT HEADING

REV. 7-01-11

REVISED AREA TO BE ACQ & AREA REMAINING TRACT 40

REV. 08-12-11

REVISED TOTAL AREA, AREA TO BE ACQ, & AREA REMAINING TRACTS 53 and 54.

REV. 10-20-11

REVISED DEED BOOK AND PAGE TRACT 55.

REV. 05-18-12

REVISED AREA TO BE ACQ, & AREA REMAINING FOR TRACT 53

REVISED PROPERTY OWNER FOR TRACT 61

REVISED PROPERTY OWNER, DEED BOOK AND PAGE FOR TRACT 33

REV. 5-31-11

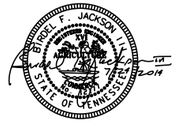
REVISED TOTAL AREA, AREA TO BE ACQ, & AREA REMAINING TRACTS 46, 46A, 50, 52-56, 58, 60 & 61

REVISED TOTAL AREA & AREA TO BE ACQ TRACTS 47 & 57

REVISED AREA TO BE ACQ & AREA REMAINING TRACT 48

REVISED TOTAL AREA & AREA REMAINING TRACT 62

ADDED TRACT 53 TO ROW ACQUISITION



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

RIGHT-OF-WAY ACQUISITION TABLE

3/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	31
CONST	2014	36001-3290-14	

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	TEMP CONST.
68	JONNY RUTH JERROLDS, Et. Vir., RUTH JERROLDS, L.E.	74	10.00	217	244	334.820	90.180	425.000		1,700 sq.ft.	1,700 sq.ft.	334.820	90.141			
69	TERRY R. BAKER, Et. Ux.	75	5.19	499	769		5.732	5.732		0.304	0.304		5.428			
70	BEN W. HOLBERT, JEAN O. HOLBERT	58	11.00	185	346	774.750		774.750	0.363		0.363	774.387				
71	EDDIE WALTON FRANKS, Et. Ux.	61	7.00	356	145	3.508		3.508	0.524		0.524	2.984				
~~72~~	~~CARL SMITH~~	~~61~~	~~51.06~~	~~296~~	~~881~~		~~2.746~~	~~2.746~~								
~~73~~	~~CENTRAL BANK~~	~~75~~	~~1.18~~	~~407~~	~~166~~	~~2.000~~		~~2.000~~				~~2.000~~				
74	ALEXANDER FAMILY TRUST	74	8.01	237	900	49.930	2,015 sq.ft.	49.976	4.873	2,015 sq.ft.	4.919	45.057	0			
76	WAYNE JERROLDS	75	5.20	191	611		0.413	0.413		3,990 sq.ft.	3,990 sq.ft.		0.322			
77	JOHN HENSON, Et. Ux.	75	6.00	52	463		0.928	0.928		2,195 sq.ft.	2,195 sq.ft.		0.878			
78	TERRY BAKER, Et. Ux.	75	5.18	189	215		4.999	4.999		967 sq.ft.	967 sq.ft.		4.977			
79	FRANKIE A. CHURCH	62	2.03	362;342;253	419;350;191	206.150		206.150	1.985		1.985	204.165				
80	WILLIAM B. WEST	62	2.02	241	792	0.921	17.970	18.891	0.921	5.913	6.834		12.057			
~~81~~	~~RICK McNIGHT, Et. Ux.~~	~~62~~	~~6.02~~	~~334~~	~~409~~	~~27.990~~		~~27.99~~				~~27.99~~				
~~82~~	~~JONNY WILLIAM O'NEAL~~	~~62~~	~~6.01~~	~~331~~	~~859~~	~~26.200~~		~~26.200~~				~~26.200~~				
~~83~~	~~ALLISON MATHIS~~	~~61~~	~~51.11~~	~~412~~	~~288~~		~~1.100~~	~~1.100~~								
84	STATE OF TENNESSEE	61	20.00	54	260	0.140		0.140	0.140		0.140					
85	ELIZABETH HOLBERT	61	29.00	185	148		0.396	0.396		3,535 sq.ft.	3,535 sq.ft		0.315			
86	CHARLES W. WHITE	61	26.01	299	862		0.734	0.734		650 sq.ft.	650 sq.ft.		0.719			
~~87~~	~~MIKE LAND, Et. Ux.~~	~~61~~	~~7.01~~	~~137~~	~~378~~	~~1.030~~		~~1.030~~				~~1.030~~				
88	MICKEY ALEXANDER	61	30.04	WB10	681	2.449		2.449	0.232		0.232	2.217				
89	JONNY RUTH JERROLDS, Et. Vir.	75	1.28	217	244		302.916	302.916		10.479	10.479		292.437			
89S	JONNY RUTH JERROLDS, Et. Vir.	75	1.28	217	244		292.437	292.437						0.255 AC		
90	BILLY HARRISON AND LAURA HARRISON LAND WITH LIFE ESTATE TO W. T. HARRISON, JR.	58	14.00	147	255	21.899	12.311	34.21								(1) 2,710
8007	STATE OF TENNESSEE	75	1.08	555	678	1.811		1.811				1.811				
8017	STATE OF TENNESSEE	75	5.11	527	754		0.456	0.456					0.456			

(1) FOR CONSTRUCTION OF SLOPES

REV. 2-08-10

CHANGED ALL AREAS IN ACRES TO 3 DECIMALS

REMOVED TRACTS 81-83, 85 & 87 FROM ROW ACQUISITION

CHANGED PROP OWNERS TRACT 74

REVISED TOTAL AREA TRACTS 74, 78, 88 & 89

REVISED AREAS TO BE ACQUIRED TRACTS 74, 76, 77, 86 & 89

REVISED AREAS REMAINING TRACTS 74, 76, 78, 88 & 89

CHANGED DEED BK & PG TRACT 68

CHANGED PROP OWNER TRACTS 68, 69 & 73

REVISED TOTAL AREA TRACTS 70 & 71

REVISED AREA TO BE ACQUIRED TRACTS 68, 70 & 71

REVISED AREAS REMAINING TRACTS 68, 70 & 71

REV. 1-12-11

REVISED OWNER TRACT 75

REV. 3-18-11

REVISED TOTAL AREAS, AREAS TO BE ACQUIRED AND AREAS REMAINING TRACTS 69, 76 & 77

REV. 4-22-11

REVISED EASEMENT HEADING

REV. 5-31-11

REVISED TOTAL AREA, AREA TO BE ACQ & AREA REMAINING TRACTS 85 & 86

REVISED PROP OWNER NAME, DEED BK & PAGE TRACT 79

ADDED TRACT 85 TO ROW ACQUISITION

REV. 6-29-12

REVISED TRACT 74 AREA TO BE ACQUIRED (LEFT)

REV. 5-14-13

ADDED TRACT 90.

ADDED TRACT 89S.

REV. 10-24-13

REVISED TRACT 89S TO PERM. DRAIN. ESM'T.

ADDED TRACT 8007

REV. 12-05-13

REMOVED AREA TO BE ACQUIRED FOR TRACT 90

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

RIGHT-OF-WAY ACQUISITION TABLE

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	4
CONST	2014	36001-3290-14	

REV. 2-08-10

REMOVED ROW CALL OUTS

ADDED WWC-1 THRU 3

ADDED TRACT 68 TO ROW ACQUISITION

CHANGED PROP. OWNER TRACT 68

REVISED TRACT 1 PROPERTY LINES

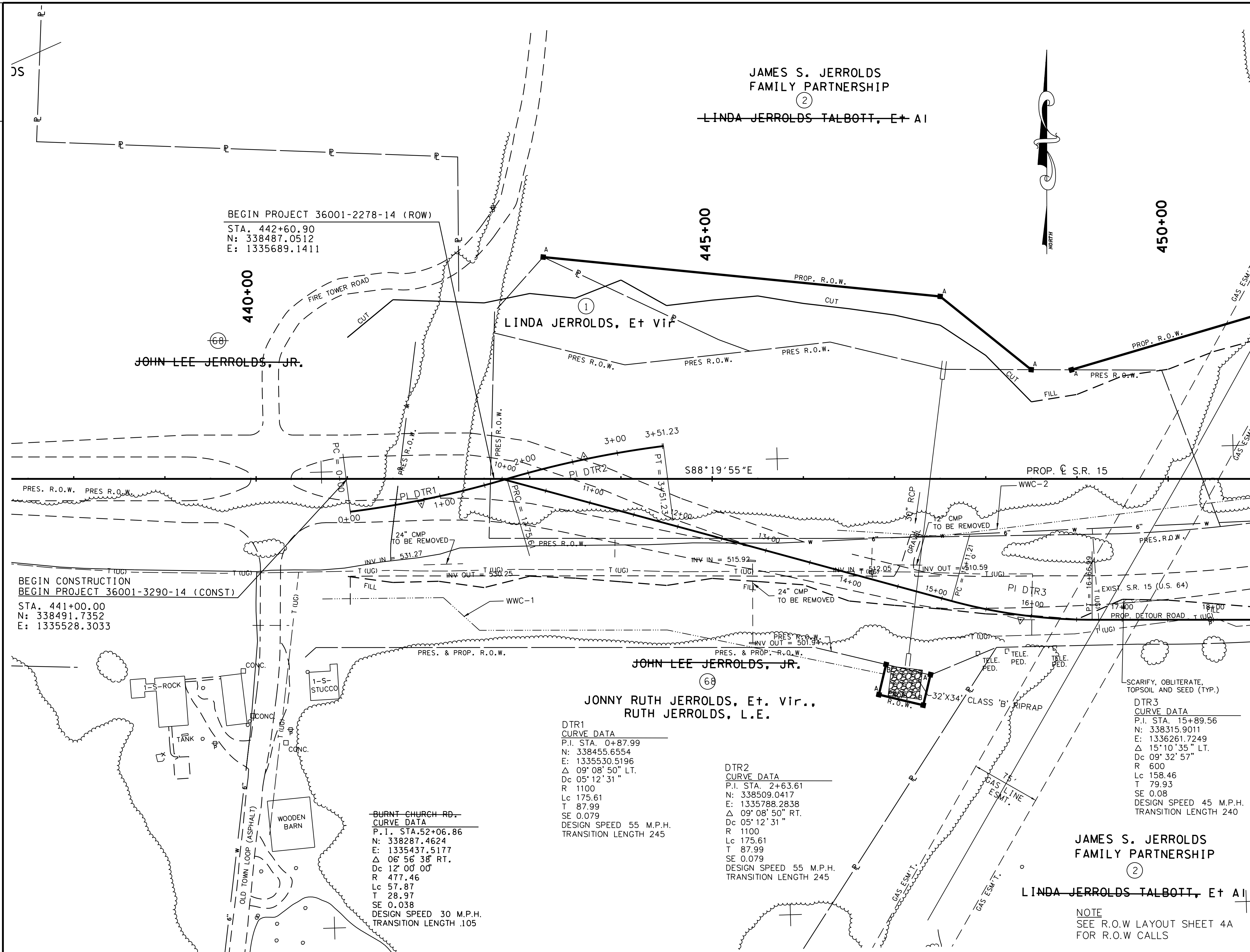
ADDED NOTE FOR ROW CALLS

REV. 4-22-11

REMOVED ROW CALL OUTS

REV. 2-24-12

REVISED ENVIRONMENTAL FEATURES



BIRDEL F. JACKSON III REGISTERED ENGINEER AGRICULTURE COMMERCE STATE OF TENNESSEE

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
B.O.P.
TO
STA. 451+00
SCALE: 1" = 50'

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	4A
CONST	2014	36001-3290-14	

REV. 2-08-10

REVISED TRACT 1 PROP. LINES

ADDED TACT 68 TO ROW ACQUISITION

CHANGED PROP. OWNER TRACT 68

REVISED EXIST SURVEY DATA TRACTS 1, 2 & 68

REV. 4-05-10

REVISED MATCHLINE STA. 451+00

REV. 1-12-11

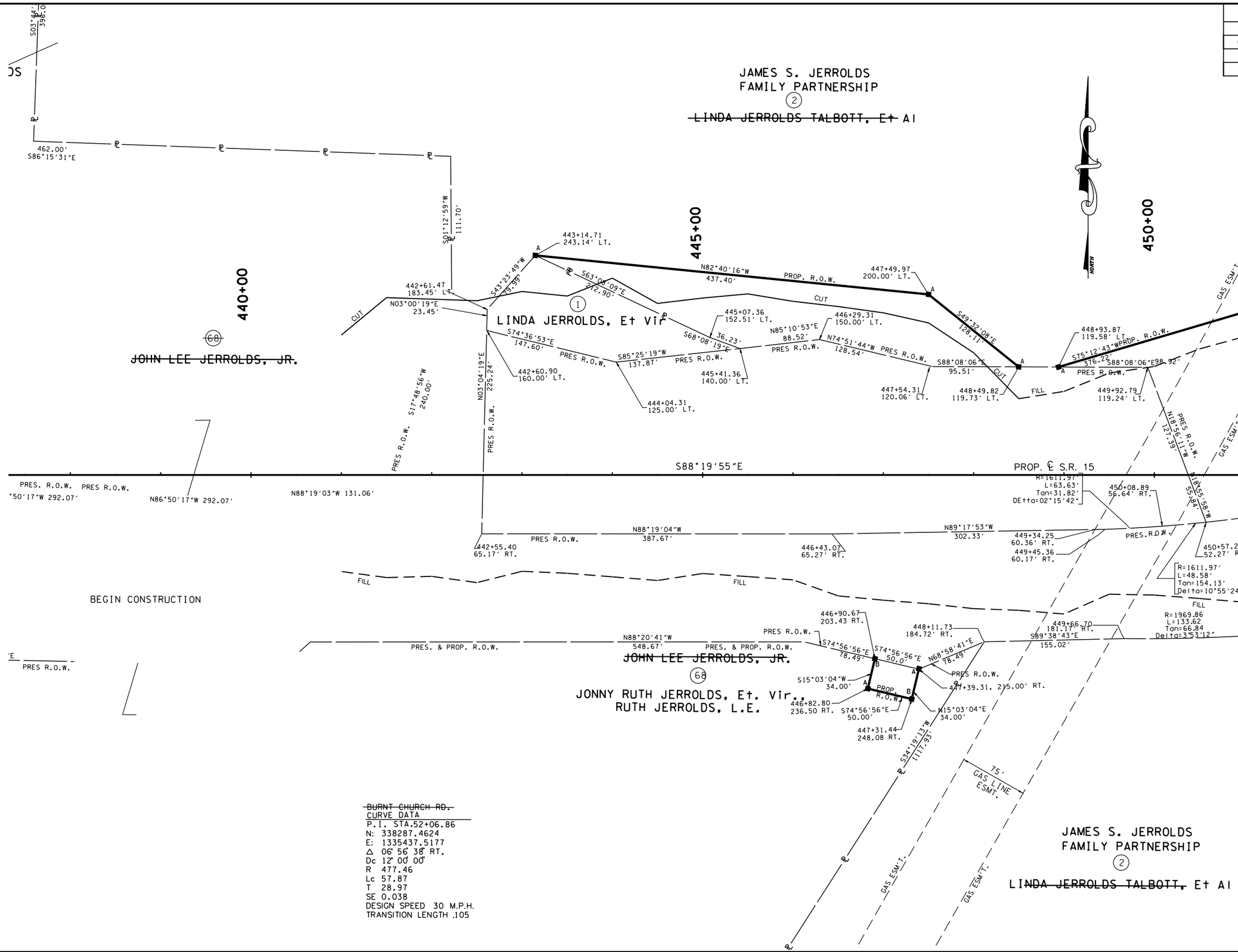
REVISED STA & COORDINATES BEGIN OF PROJECT

REVISED STA & OFFSET TRACT 1

ADDED STA & OFFSET TRACT 1

REV. 4-22-11

REMOVED FEATURES NOT NEEDED



~~BURNT CHURCH RD.~~
CURVE DATA
P.I. STA.52+06.86
N: 338287.4624
E: 1335437.5177
Δ 06° 56' 38" RT.
Dc 12° 00' 00"
R 477.46
Lc 57.87
T 28.97
SE 0.038
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .105

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
B.O.P.
TO
STA. 451+00
SCALE: 1" = 50'

8/16/2014
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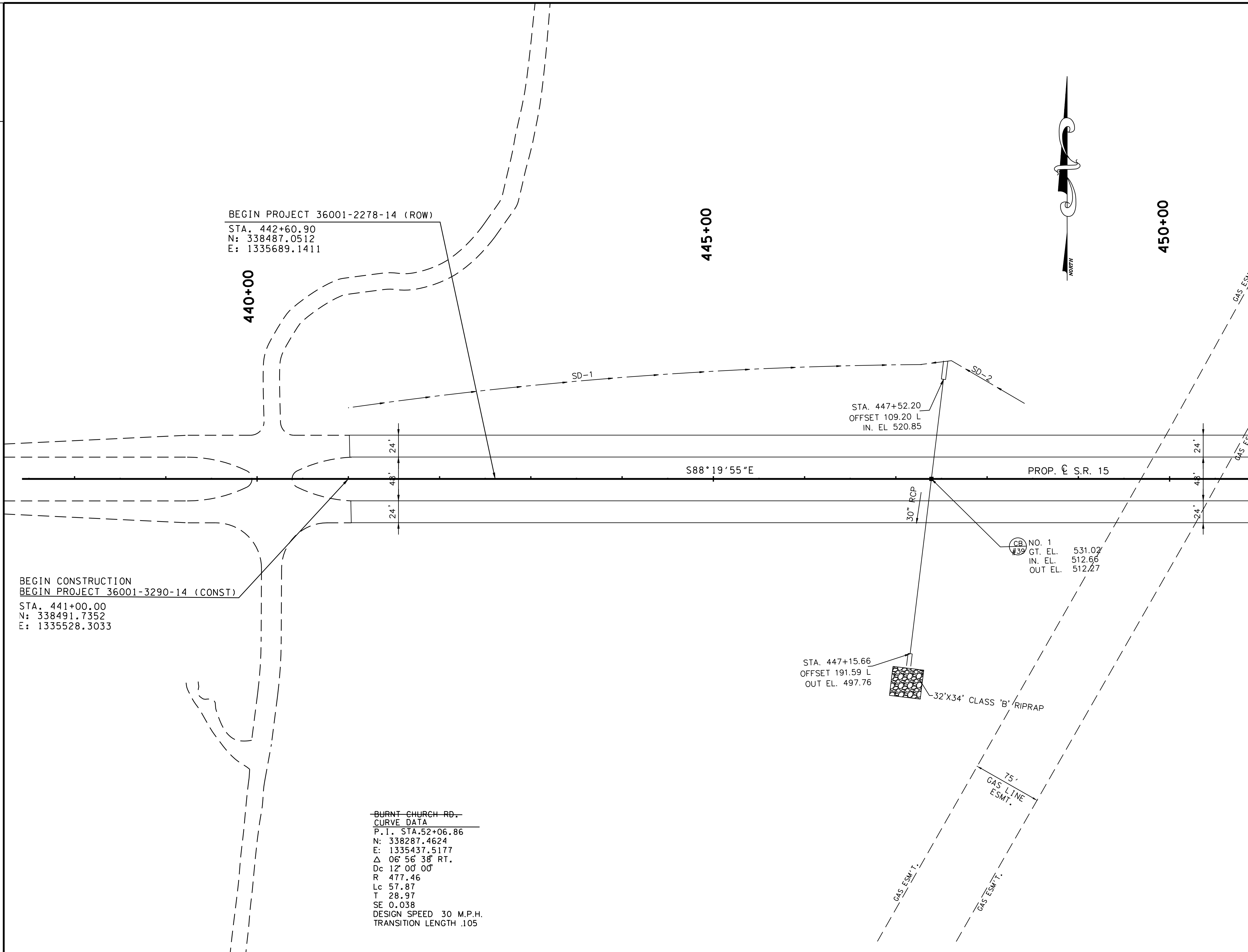
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	4B
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED WWC-1 THRU WWC-3

REV. 2-24-12
REMOVED ENVIRONMENTAL FEATURES

REV. 3-18-14
ADDED GAS EASEMENT



MATCHLINE STA. 451+00 (SEE SHEET 5B)

BIRDEL F. JACKSON III
REGISTERED ENGINEER
AGRICULTURE COMMERCE
NO. 112717
STATE OF TENNESSEE

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
B.O.P.
TO
STA. 451+00
SCALE: 1" = 50'

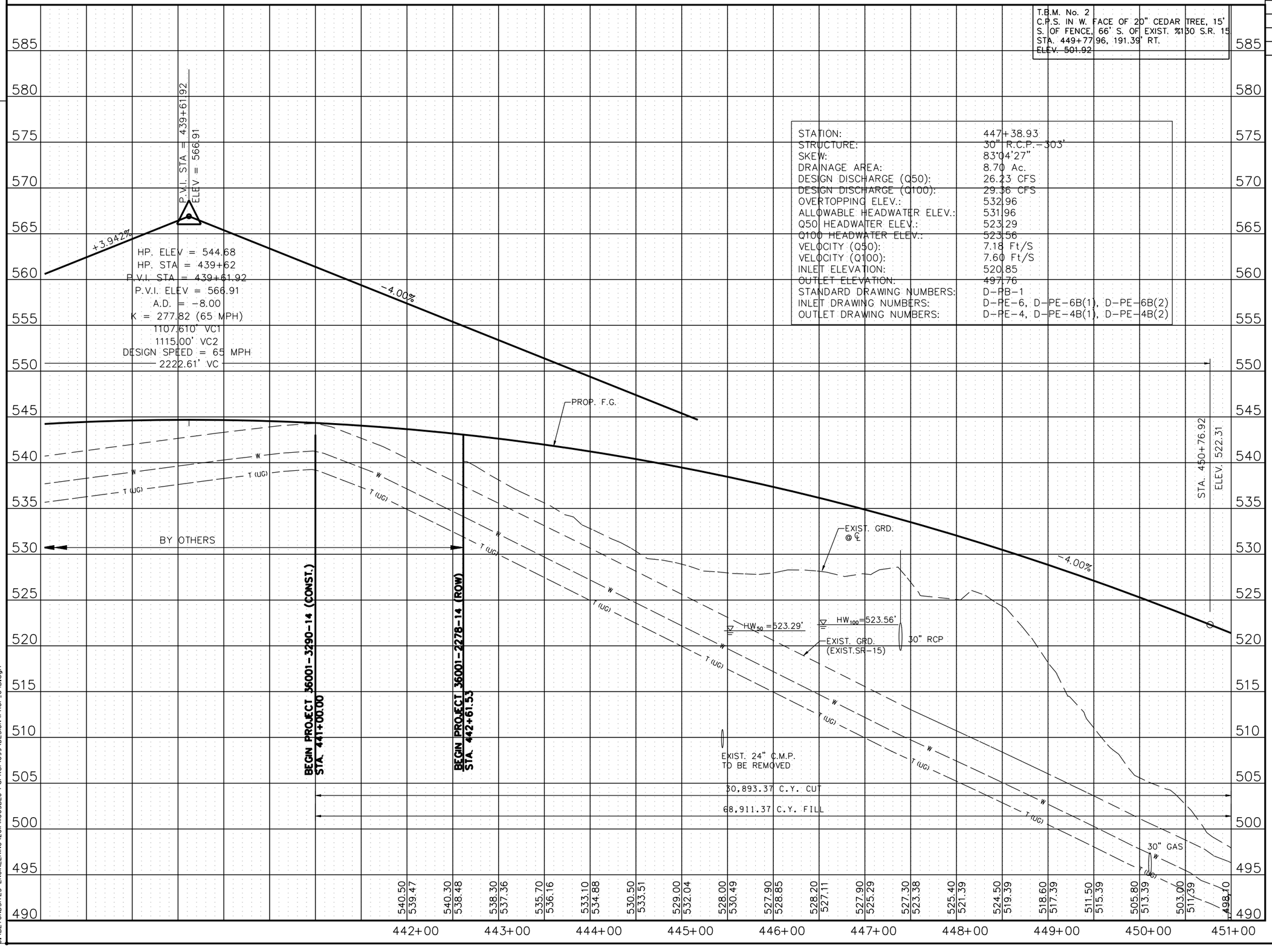
$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	4C
CONST	2014	36001-3290-14	

T.B.M. No. 2
C.P.S. IN W. FACE OF 20" CEDAR TREE, 15' S. OF FENCE, 66' S. OF EXIST. ℄130 S.R. 15 STA. 449+77.96, 191.39' RT.
ELEV. 501.92

STATION:	447+38.93
STRUCTURE:	30" R.C.P.-303'
SKEW:	83°04'27"
DRAINAGE AREA:	8.70 Ac.
DESIGN DISCHARGE (Q50):	26.23 CFS
DESIGN DISCHARGE (Q100):	29.36 CFS
OVERTOPPING ELEV.:	532.96
ALLOWABLE HEADWATER ELEV.:	531.96
Q50 HEADWATER ELEV.:	523.29
Q100 HEADWATER ELEV.:	523.56
VELOCITY (Q50):	7.18 Ft/S
VELOCITY (Q100):	7.60 Ft/S
INLET ELEVATION:	520.85
OUTLET ELEVATION:	497.76
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-6, D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-4, D-PE-4B(1), D-PE-4B(2)



3-18-14

REVISED OUTLET ELEVATION

7-23-14

REVISED INLET ELEVATION

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
B.O.P.
TO
STA. 451+00
SCALE: 1" = 50'H, 5'V

8/6/2014
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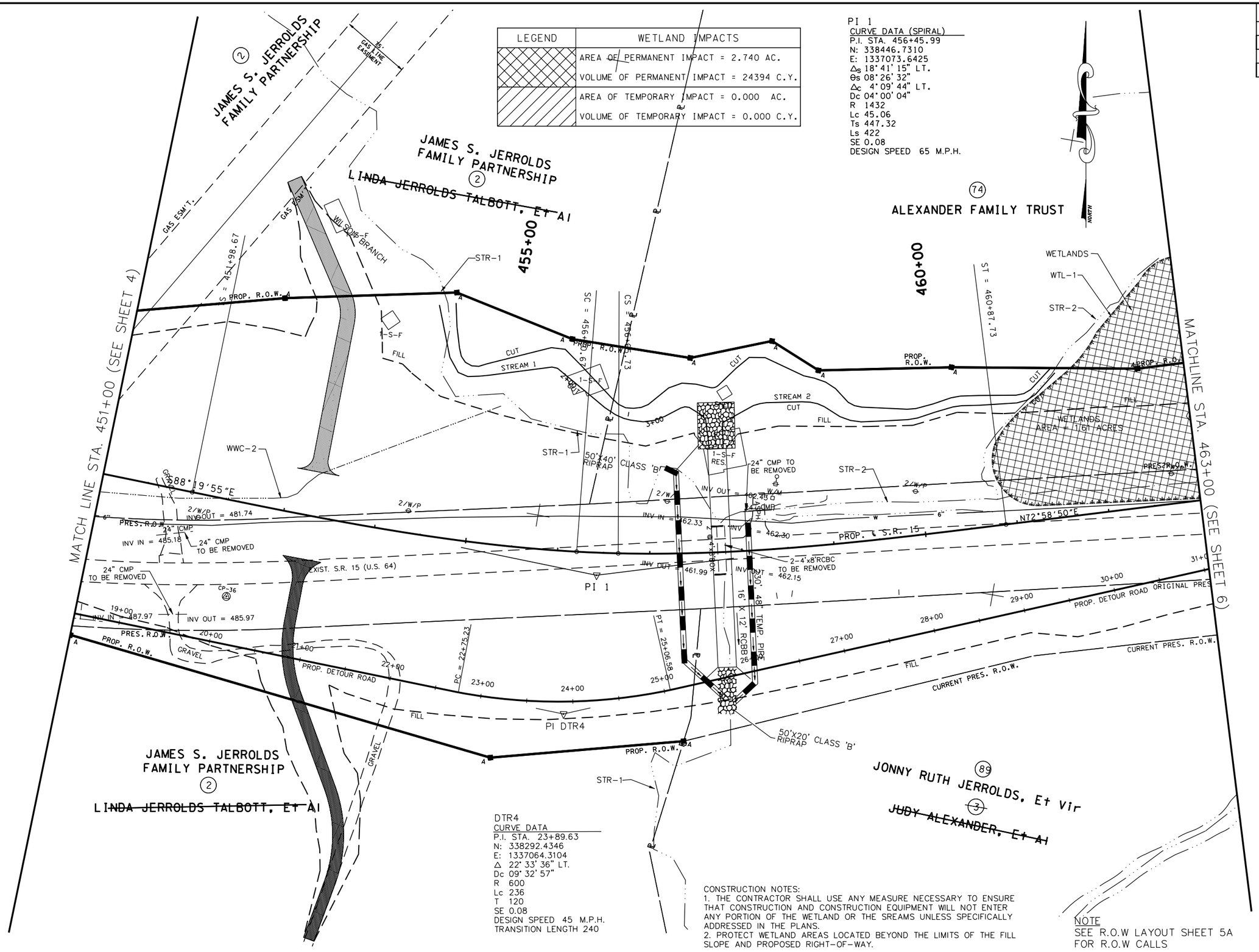
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

LEGEND	WETLAND IMPACTS
	AREA OF PERMANENT IMPACT = 2.740 AC.
	VOLUME OF PERMANENT IMPACT = 24394 C.Y.
	AREA OF TEMPORARY IMPACT = 0.000 AC.
	VOLUME OF TEMPORARY IMPACT = 0.000 C.Y.

PI 1
CURVE DATA (SPIRAL)
P.I. STA. 456+45.99
N: 338446.7310
E: 1337073.6425
Δ_s 18° 41' 15" LT.
θ_s 08° 26' 32"
Δ_c 4° 09' 44" LT.
Dc 04° 00' 04"
R 1432
Lc 45.06
Ts 447.32
Ls 422
SE 0.08
DESIGN SPEED 65 M.P.H.



DTR4
CURVE DATA
P.I. STA. 23+89.63
N: 338292.4346
E: 1337064.3104
Δ 22° 33' 36" LT.
Dc 09° 32' 57"
R 600
Lc 236
T 120
SE 0.08
DESIGN SPEED 45 M.P.H.
TRANSITION LENGTH 240

CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION AND CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE WETLAND OR THE SREAMS UNLESS SPECIFICALLY ADDRESSED IN THE PLANS.
2. PROTECT WETLAND AREAS LOCATED BEYOND THE LIMITS OF THE FILL SLOPE AND PROPOSED RIGHT-OF-WAY.

NOTE
SEE R.O.W LAYOUT SHEET 5A FOR R.O.W CALLS

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	5
CONST	2014	36001-3290-14	

REV. 2-08-10
REMOVED ROW CALL OUTS
ADDED S-1, S-2, W-1, & WWC-3
ADDED NOTE FOR ROW CALLS

REV. 5-26-10
REVISED C/F LIMITS DRWYS TRACT 2

REV. 4-22-11
REMOVED ROW CALL OUTS

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES
ADDED CONSTRUCTION NOTES

REV. 4-30-12
REVISED WETLAND 1

REV. 6-29-12
REVISED SLOPE LIMITS FOR TRACTS 2 & 74
REVISED ROW, TRACT 74

REV. 5-14-13
ADDED CURRENT PRES. R.O.W. TO TRACT 89.

REV. 7-15-13
ADDED RIPRAP

REV. 9-23-13
ADDED TEMP STR-1 CROSSING
REVISED CONSTRUCTION NOTES

BIRCEL E. JACKSON III
STATE OF TENNESSEE

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 451+00
TO
STA. 463+00
SCALE: 1" = 50'

8/16/2014
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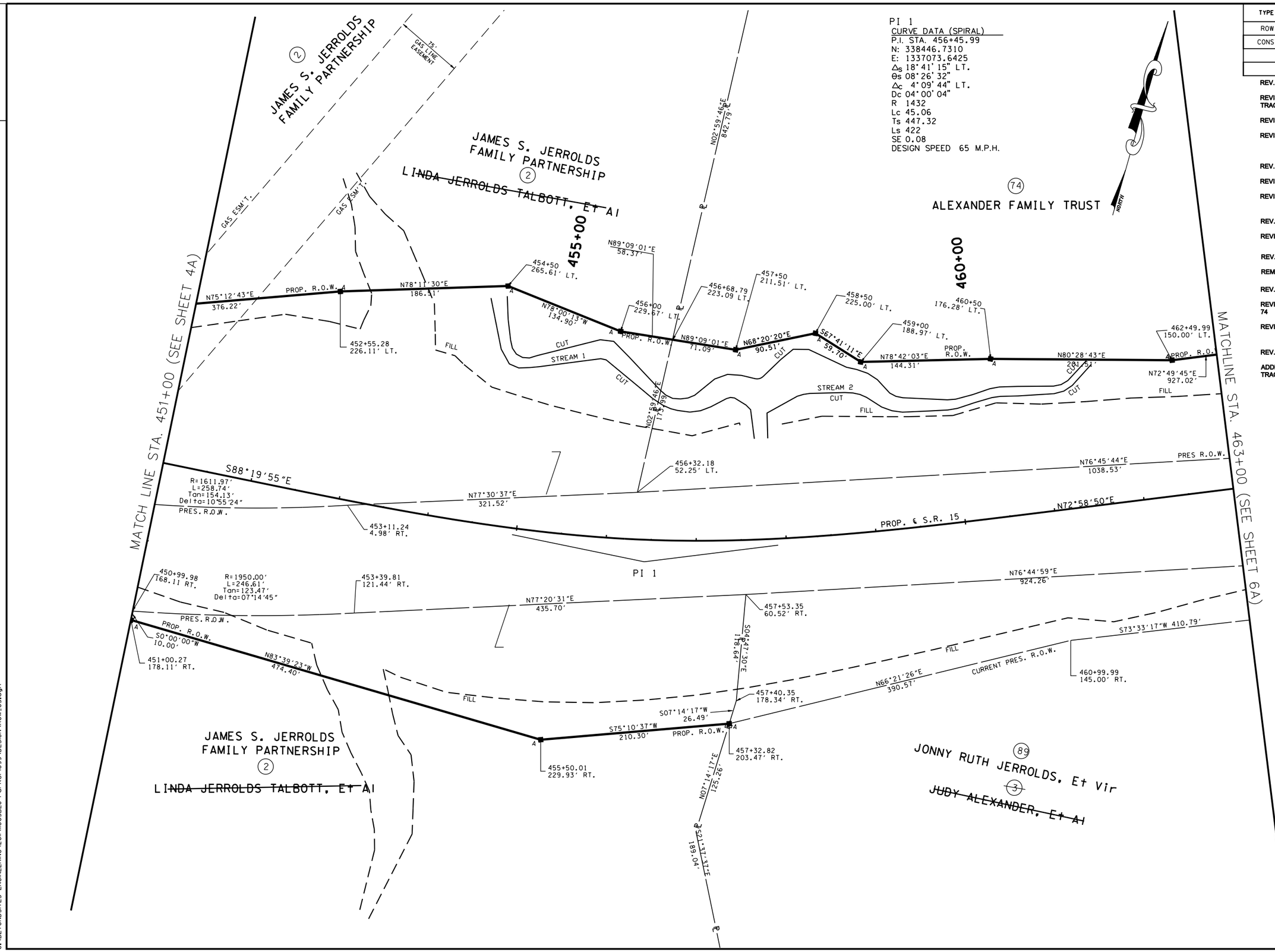
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	5A
CONST	2014	36001-3290-14	

REV. 2-08-10

REVISED EXIST. SURVEY DATA TRACTS 2,74,89

REVISED PROP ROW TRACTS 2 & 74

REVISED CURVE DATA CURVE PI1

REV. 4-05-10

REVISED PROP ROW DIST TRACT 2

REVISED EXIST ROW DIST TRACT 2

REV. 5-26-10

REVISED C/F LIMITS DRWYS TRACT 2

REV. 4-22-11

REMOVED FEATURES NOT NEEDED

REV. 6-29-12

REVISED SLOPE LIMITS FOR TRACTS 2 & 74

REVISED ROW, TRACT 74

REV. 5-14-13

ADDED CURRENT PRES. R.O.W. TO TRACT 89

BIRDY F. JACKSON III
NO. 102361
REGISTERED
STATE OF TENNESSEE
8-15-2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 451+00
TO
STA. 463+00
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	5B
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-1,S-2 W1, & WWC-3
REVISED PROP. CURVE DATA

REV. 5-26-10
REVISED C/F LIMITS DRWYS TRACT 2

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES
ADDED CONSTRUCTION NOTES
REVISED STREAM RUN AROUND FOR STREAM 1.
ADDED STREAM RUN AROUND FOR STREAM 2.

REV. 4-30-12
REVISED WETLAND 1

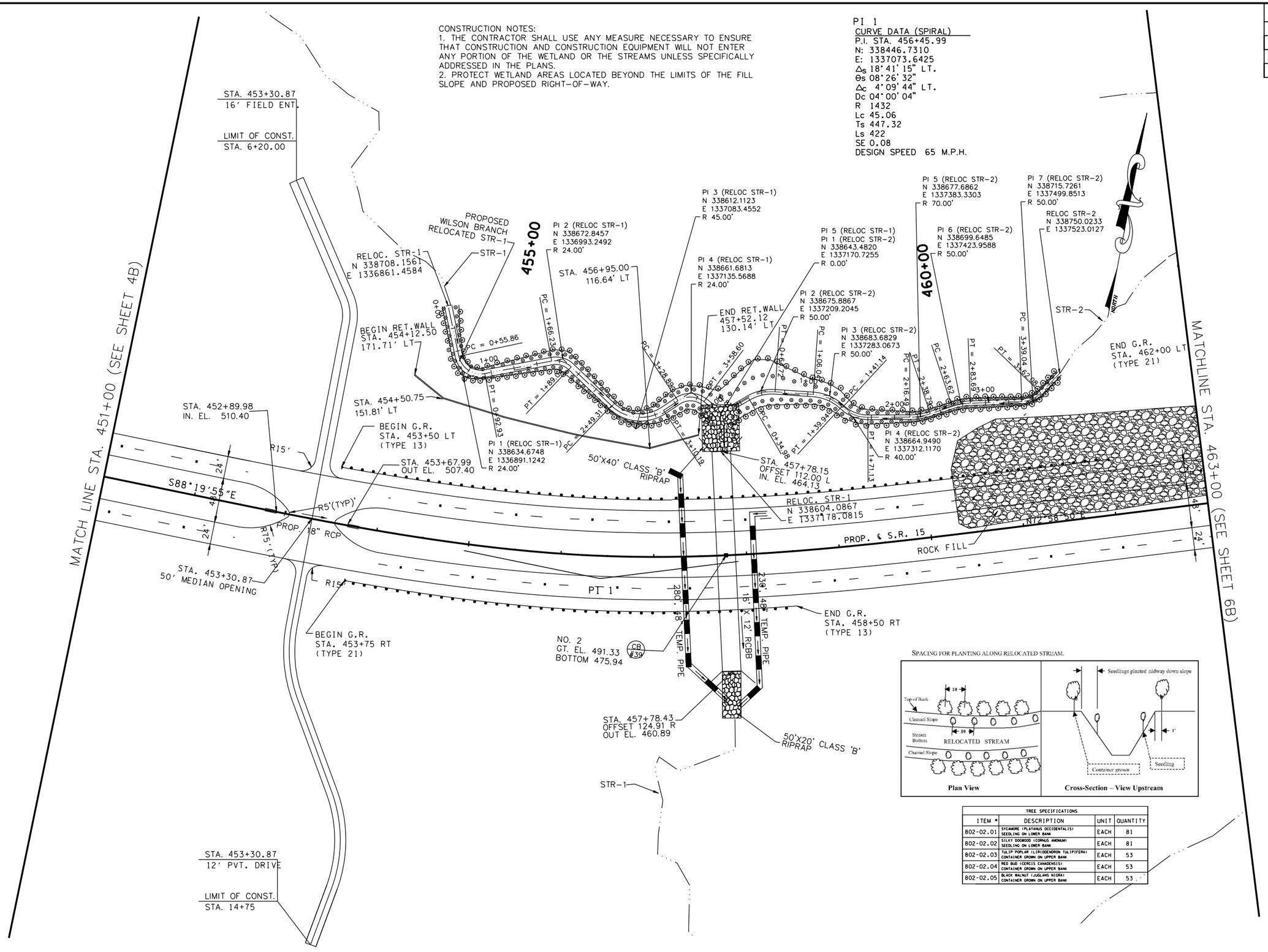
REV. 7-15-13
ADDED RIPRAP

REV. 9-23-13
REVISED CONSTRUCTION NOTES
ADDED TREE PLANTING SCHEMATIC AND TYPES
ADDED TEMP. PIPE SIZES

REV. 4-18-14
ADDED GAS EASEMENT

CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION AND CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE WETLAND OR THE STREAMS UNLESS SPECIFICALLY ADDRESSED IN THE PLANS.
2. PROTECT WETLAND AREAS LOCATED BEYOND THE LIMITS OF THE FILL SLOPE AND PROPOSED RIGHT-OF-WAY.

PI 1
CURVE DATA (SPIRAL)
P.I. STA. 456+45.99
N: 338446.7310
E: 1337073.6425
Δ_s 18° 41' 15" LT.
θ_s 08° 26' 32"
Δ_c 4° 09' 44" LT.
Dc 04° 00' 04"
R 1432
Lc 45.06
Ts 447.32
Ls 422
SE 0.08
DESIGN SPEED 65 M.P.H.



SPACING FOR PLANTING ALONG RELOCATED STREAM.

TREE SPECIFICATIONS

ITEM #	DESCRIPTION	UNIT	QUANTITY
802-02.01	SYCAMORE (PLATANUS OCCIDENTALIS) SEEDLING ON LOWER BANK	EACH	81
802-02.02	SILKY DOGWOOD (CORNUS AMOMUM) SEEDLING ON LOWER BANK	EACH	81
802-02.03	TULIP POPLAR (LIRIODENDRON TULIPIFERA) CONTAINER GROWN ON UPPER BANK	EACH	53
802-02.04	RED BUD (CERCIS CANADENSIS) CONTAINER GROWN ON UPPER BANK	EACH	53
802-02.05	BLACK WALNUT (JUGLANS NIGRA) CONTAINER GROWN ON UPPER BANK	EACH	53

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 451+00
TO
STA. 463+00
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	5C
CONST	2014	36001-3290-14	

STATION:	457+78.29
STRUCTURE:	16' x 12' RCB-246'.
SKEW:	90°00'00"
DRAINAGE AREA:	540.0 Ac.
DESIGN DISCHARGE (Q50):	600.00 CFS
DESIGN DISCHARGE (Q100):	697.00 CFS
OVERTOPPING ELEV.:	493
ALLOWABLE HEADWATER ELEV.:	492
Q50 HEADWATER ELEV.:	470.66
Q100 HEADWATER ELEV.:	470.69
VELOCITY (Q50):	8.19 Ft/S
VELOCITY (Q100):	9.13 Ft/S
INLET ELEVATION:	464.18
OUTLET ELEVATION:	460.89
STANDARD DRAWING NUMBERS:	STD-5-66
INLET DRAWING NUMBERS:	STD-15-9, STD-15-10
OUTLET DRAWING NUMBERS:	STD-15-9, STD-15-10

T.B.M. No. 3
60d NAIL IN S. FACE OF MAPLE TREE, 2' ABOVE GROUND, 194' N. OF EXIST. ℄130 S.R. 15. STA. 458+80.20, 200.24' LT.
ELEV. 475.08

LP. ELEV = 476.49
LP. STA = 465+78.22
P.V.I. STA = 462+67
P.V.I. ELEV = 474.71
A.D. = 4.50
K = 177.81 (65 MPH)
DESIGN SPEED = 65 MPH
800.00' VC

3.8%
-4.00%
-4.00%
0.50%

BEGIN 18" RCP
STA 452+89.98, OFFSET 0.00
ELEV. 510.40

END 18' RCP
STA 453+67.99, OFFSET 0.00
ELEV. 507.40

STA. 458+67
ELEV. 490.71

0 C.Y. CUT
241,746.16 C.Y. FILL

PROP. F.G.

P.V.I. STA = 462+67
ELEV = 474.71

"509.39

W
T (UG)

EXIST. GRD.
(EXIST.SR-15)

EXIST. GRD.
@ ℄

HW_{100}=470.69'
HW_{50} =470.66'

EXIST. 8' x 4' R.C.B.C.
TO BE REMOVED

16' x 12' R.C.B.C.

CB 2

TS STA. 451+98.67
BEGIN RT. EOP
TRANSITION

STA. 453+67.47
BEGIN LT. EOP
TRANSITION

SC STA. 456+20.67
END LT. & RT. EOP
TRANSITION

CS STA. 456+65.73
BEGIN LT. & RT. EOP
TRANSITION

STA. 459+18.93
END LT. EOP
TRANSITION

ST STA. 460+87.73
END RT. EOP
TRANSITION

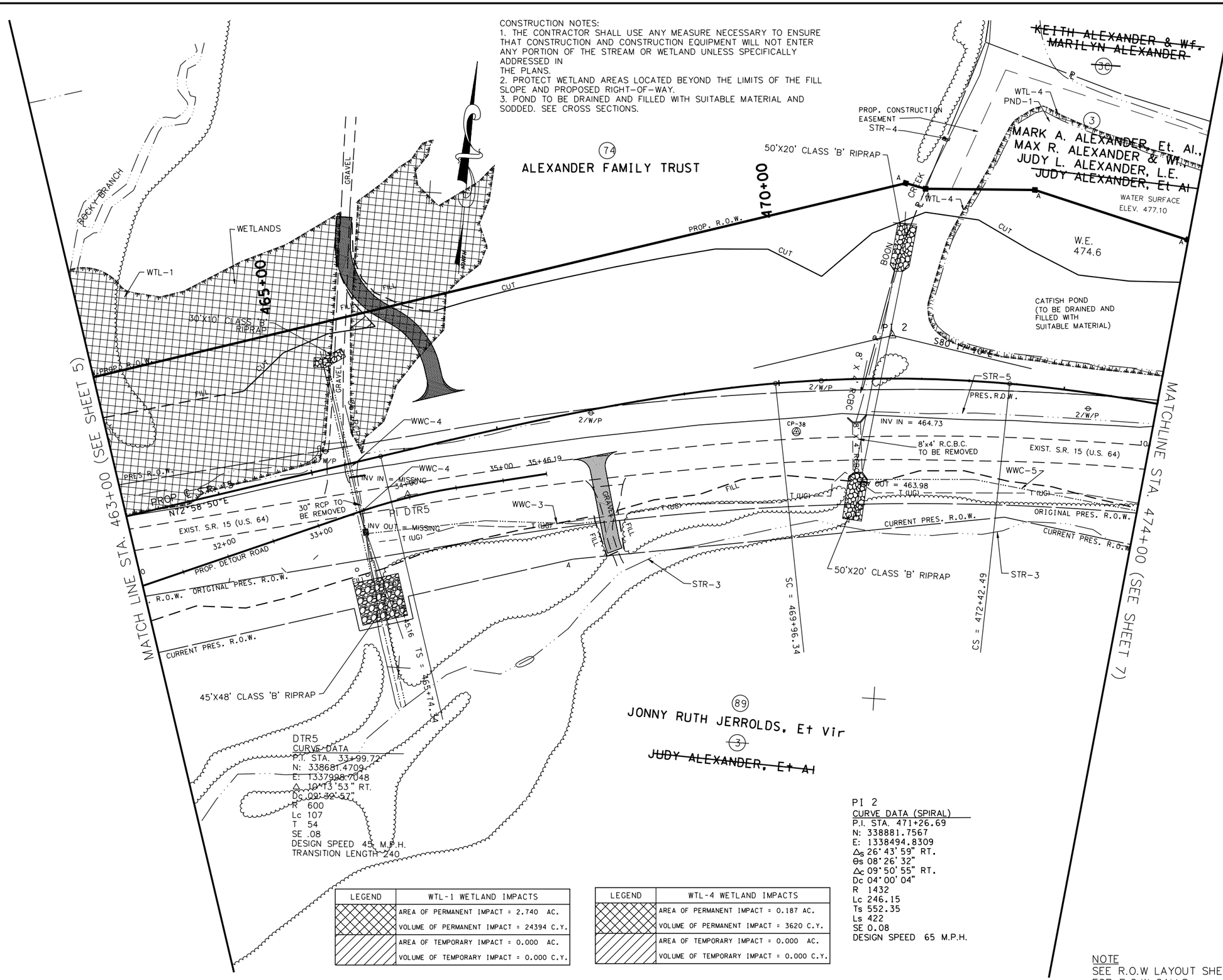
RT. EOP
LT. EOP

e = 0.080
e = 0
e = 0.02

| | | |

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

CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION AND CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE STREAM OR WETLAND UNLESS SPECIFICALLY ADDRESSED IN THE PLANS.
2. PROTECT WETLAND AREAS LOCATED BEYOND THE LIMITS OF THE FILL SLOPE AND PROPOSED RIGHT-OF-WAY.
3. POND TO BE DRAINED AND FILLED WITH SUITABLE MATERIAL AND SODDED. SEE CROSS SECTIONS.



DTR5
CURVE DATA
P.I. STA. 33+99.72
N: 338681.4709
E: 1337998.7048
Δ 10°13'53" RT.
Dc 09°32'57"
R 600
Lc 107
T 54
SE .08
DESIGN SPEED 45 M.P.H.
TRANSITION LENGTH 240

PI 2
CURVE DATA (SPIRAL)
P.I. STA. 471+26.69
N: 338881.7567
E: 1338494.8309
Δ_s 26°43'59" RT.
θ_s 08°26'32"
Δ_c 09°50'55" RT.
Dc 04°00'04"
R 1432
Lc 246.15
Ts 552.35
Ls 422
SE 0.08
DESIGN SPEED 65 M.P.H.

LEGEND	WTL-1 WETLAND IMPACTS
	AREA OF PERMANENT IMPACT = 2.740 AC.
	VOLUME OF PERMANENT IMPACT = 24394 C.Y.
	AREA OF TEMPORARY IMPACT = 0.000 AC.
	VOLUME OF TEMPORARY IMPACT = 0.000 C.Y.

LEGEND	WTL-4 WETLAND IMPACTS
	AREA OF PERMANENT IMPACT = 0.187 AC.
	VOLUME OF PERMANENT IMPACT = 3620 C.Y.
	AREA OF TEMPORARY IMPACT = 0.000 AC.
	VOLUME OF TEMPORARY IMPACT = 0.000 C.Y.

NOTE
SEE R.O.W LAYOUT SHEET 6A FOR R.O.W CALLS

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	6
CONST	2014	36001-3290-14	

REV. 2-08-10
REMOVED ROW CALL OUTS
ADDED NOTES FOR ROW CALLS
CHANGED PROP. OWNER TRACT 3
REVISED PROP. CURE DATA
ADDED PATTERN FOR TCE
REVISED PROP. ROW TRACT 89
ADDED S-3, S-4,S-5 , WWC 4 & W1
ADDED NORTH ARROW
ADDED DITCH LEFT

REV. 4-05-10
ADDED TCE PATTERN TRACT 3

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 74 & 89

REV. 1-12-11
RELOCATED DRIVEWAY TRACT 89
REMOVED ROCK FILL TRACT 3
REVISED NOTE ABOUT POND TRACT 3
REVISED C/F LIMITS TRACTS 3 & 89 AND PROP. ROW AND TCE TRACT 3

REV. 3-18-11
ADDED TRACT 3C
REVISED TRACT 3

REV. 4-22-11
REMOVED ROW CALL OUTS
REVISED EXIST PVMT SCARIFICATION LIMITS
REVISED DRIVEWAY TRACTS 74 & 89

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES
ADDED CONSTRUCTION NOTES

REV. 4-30-12
REVISED WETLAND 1

REV. 5-14-13
ADDED CURRENT PRES. R.O.W. TO TRACT 89

REV. 7-15-13
ADDED RIPRAP

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 463+00
TO
STA. 474+00
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	6A
CONST	2014	36001-3290-14	

REV. 2-08-10

REVISED EXIST. SURVEY DATA TRACTS 74,89

CHANGED PROP. OWNER TRACT 3

REVISED PROP. CURVE DATA

REVISED PROP. ROW TRACTS 89 & 3

REV. 4-05-10

ADDED PROP ROW DIST TRACT 3

REV. 5-26-10

REVISED C/F LIMITS DRWY TRACTS 74 & 89

REV. 1-12-11

RELOCATED DRIVEWAY TRACT 89

REVISED C/F LIMITS TRACTS 3 & 89 AND PROP. ROW AND TCE TRACT 3

REV. 3-18-11

ADDED TRACT 3C

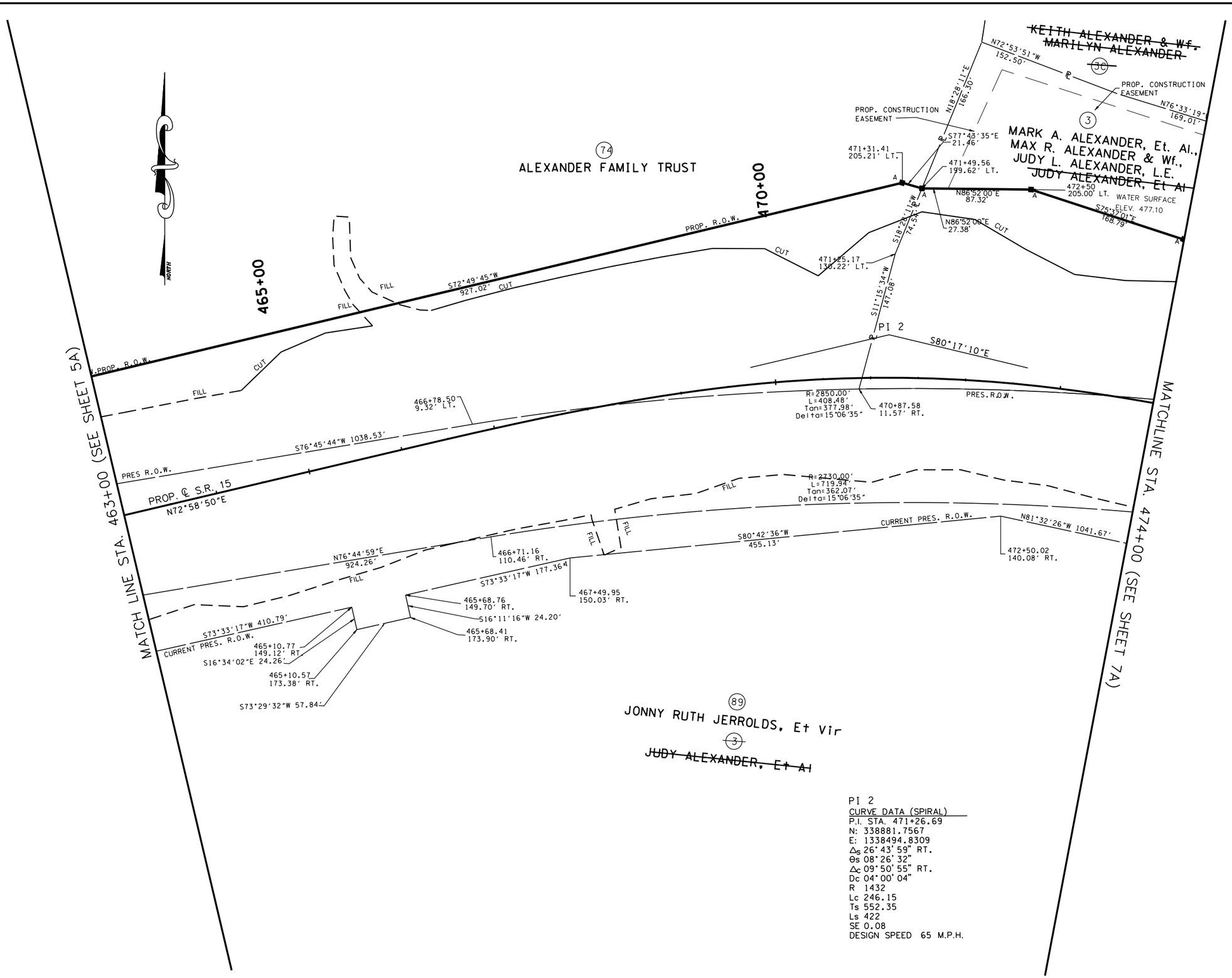
REVISED TRACT 3

REV. 4-22-11

REVISED DRIVEWAY TRACTS 74 & 89

REV. 5-14-13

ADDED CURRENT PRES. R.O.W. TO TRACT 89



PI 2
CURVE DATA (SPIRAL)
P.I. STA. 471+26.69
N: 338881.7567
E: 1338494.8309
Δ_s 26°43'59" RT.
θ_s 08°26'32"
Δ_c 09°50'55" RT.
Dc 04°00'04"
R 1432
Lc 246.15
Ts 552.35
Ls 422
SE 0.08
DESIGN SPEED 65 M.P.H.

BURGEL E. JACKSON III
STATE OF TENNESSEE
14

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W LAYOUT
STA. 463+00
TO
STA. 474+00
SCALE: 1" = 50'

8/16/2014
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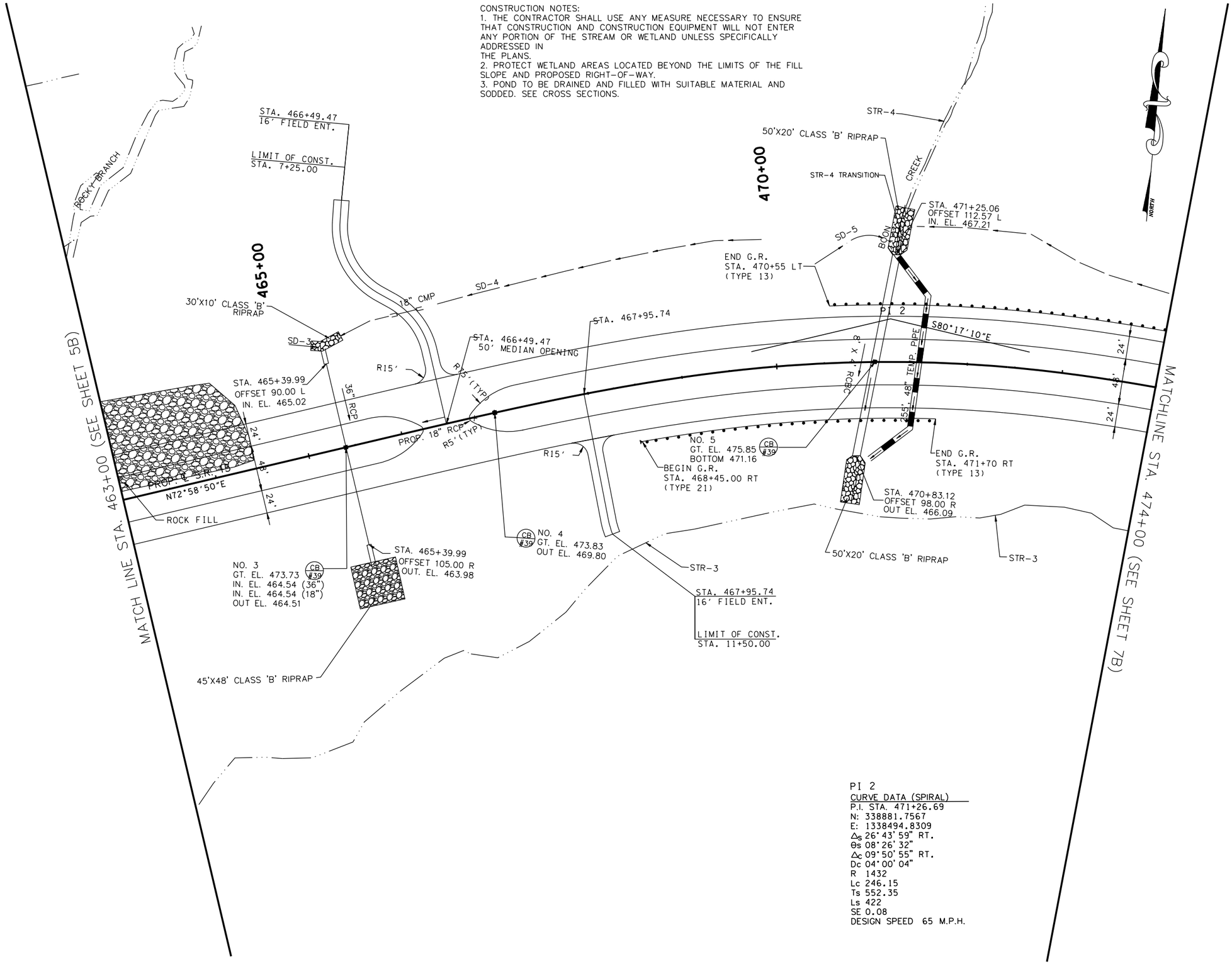
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION AND CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE STREAM OR WETLAND UNLESS SPECIFICALLY ADDRESSED IN THE PLANS.
2. PROTECT WETLAND AREAS LOCATED BEYOND THE LIMITS OF THE FILL SLOPE AND PROPOSED RIGHT-OF-WAY.
3. POND TO BE DRAINED AND FILLED WITH SUITABLE MATERIAL AND SODDED. SEE CROSS SECTIONS.



PI 2
CURVE DATA (SPIRAL)
P.I. STA. 471+26.69
N: 338881.7567
E: 1338494.8309
Δ_s 26°43'59" RT.
θ_s 08°26'32"
Δ_c 09°50'55" RT.
Dc 04°00'04"
R 1432
Lc 246.15
Ts 552.35
Ls 422
SE 0.08
DESIGN SPEED 65 M.P.H.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	6B
CONST	2014	36001-3290-14	

REV. 2-08-10
REVISED PROP. CURVE DATA
ADDED S-3, S-4, S-5, WWC-4, & W1

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 74 & 89

REV. 1-12-11
RELOCATED DRIVEWAY TRACT 89
REMOVED FENCE LINE TRACT 89
REMOVED ROCK FILL TRACT 3
REVISED C/F LIMITS TRACTS 3 & 89

REV. 4-22-11
REVISED DRIVEWAY TRACTS 74 & 89

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES
ADDED CONSTRUCTION NOTES

REV. 4-30-12
REVISED WETLAND 1

REV. 7-15-13
ADDED RIPRAP

REV. 9-23-13
ADDED TEMP STREAM CROSSING
ADDED TEMP. PIPE SIZE

BURGEL T. JACKSON III
STATE OF TENNESSEE
8-14-2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 463+00
TO
STA. 474+00
SCALE: 1" = 50'

8/16/2014
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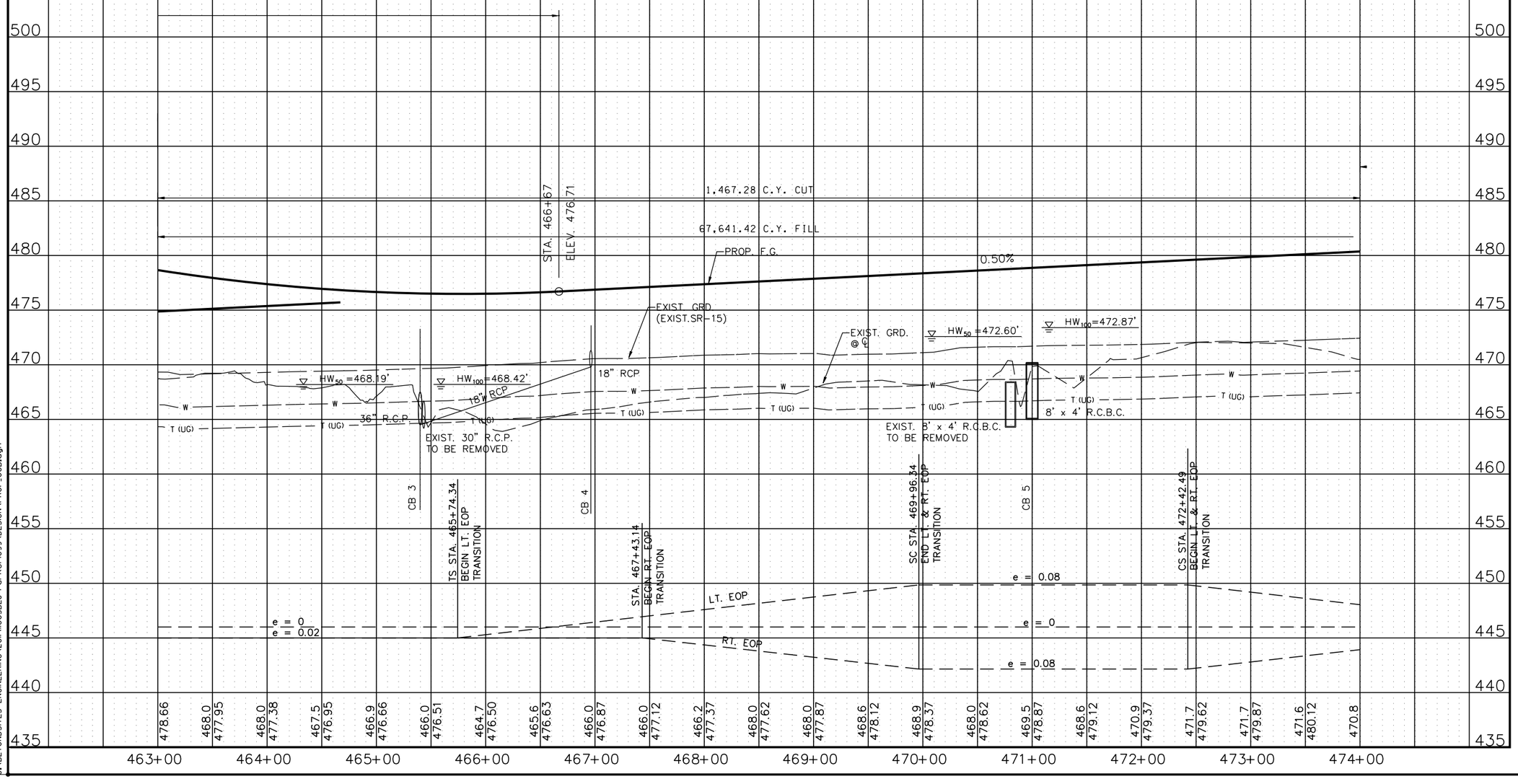
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	6C
CONST	2014	36001-3290-14	

T.B.M. No. 4
60d NAIL FOUND IN S. FACE OF POWER POLE, 1.5' ABOVE GROUND, IN S/W CORNER OF LEVEE OF FISH POND.
STA. 472+25.63, 354.55' LT.
ELEV. 485.17

STATION:	465+41.47
STRUCTURE:	36" R.C.P-186'
SKEW:	90°00'00"
DRAINAGE AREA:	10.9 Ac.
DESIGN DISCHARGE (Q50):	38.4 CFS
DESIGN DISCHARGE (Q100):	42.0 CFS
OVERTOPPING ELEV.:	476
ALLOWABLE HEADWATER ELEV.:	475
Q50 HEADWATER ELEV.:	468.19
Q100 HEADWATER ELEV.:	468.42
VELOCITY (Q50):	8.14 Ft/S
VELOCITY (Q100):	8.31 Ft/S
INLET ELEVATION:	465.00
OUTLET ELEVATION:	464.00
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-4, D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-6, D-PE-6B(1), D-PE-6B(2)

STATION:	471+00.31
STRUCTURE:	1 @ 8' x 4' R.C.B.C.-212'
SKEW:	78°10'02" Lt.
DRAINAGE AREA:	118.5 Ac.
DESIGN DISCHARGE (Q50):	141.0 CFS
DESIGN DISCHARGE (Q100):	169.0 CFS
OVERTOPPING ELEV.:	475.62
ALLOWABLE HEADWATER ELEV.:	474.62
Q50 HEADWATER ELEV.:	472.60
Q100 HEADWATER ELEV.:	472.87
VELOCITY (Q50):	4.41 Ft/S
VELOCITY (Q100):	5.28 Ft/S
INLET ELEVATION:	467.23
OUTLET ELEVATION:	466.09
STANDARD DRAWING NUMBERS:	STD-15-38
INLET DRAWING NUMBERS:	STD-15-9, STD-15-10
OUTLET DRAWING NUMBERS:	STD-15-9, STD-15-10



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 463+00
TO
STA. 474+00
SCALE: 1" = 50'H, 5'V

8/16/2014
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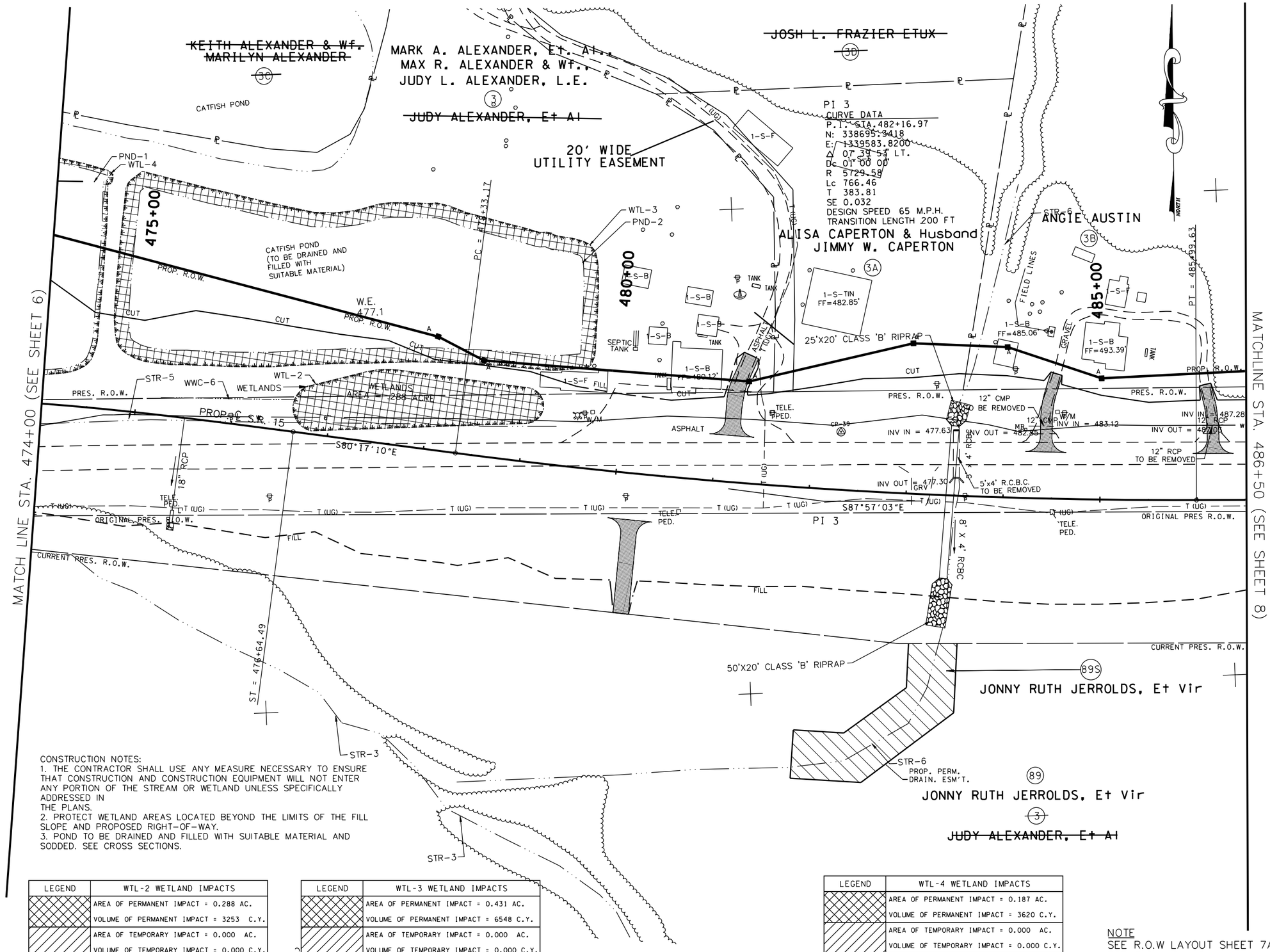
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	7
CONST	2014	36001-3290-14	



CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION AND CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE STREAM OR WETLAND UNLESS SPECIFICALLY ADDRESSED IN
THE PLANS.
2. PROTECT WETLAND AREAS LOCATED BEYOND THE LIMITS OF THE FILL SLOPE AND PROPOSED RIGHT-OF-WAY.
3. POND TO BE DRAINED AND FILLED WITH SUITABLE MATERIAL AND SODDED. SEE CROSS SECTIONS.

LEGEND	WTL-2 WETLAND IMPACTS
	AREA OF PERMANENT IMPACT = 0.288 AC.
	VOLUME OF PERMANENT IMPACT = 3253 C.Y.
	AREA OF TEMPORARY IMPACT = 0.000 AC.
	VOLUME OF TEMPORARY IMPACT = 0.000 C.Y.

LEGEND	WTL-3 WETLAND IMPACTS
	AREA OF PERMANENT IMPACT = 0.431 AC.
	VOLUME OF PERMANENT IMPACT = 6548 C.Y.
	AREA OF TEMPORARY IMPACT = 0.000 AC.
	VOLUME OF TEMPORARY IMPACT = 0.000 C.Y.

LEGEND	WTL-4 WETLAND IMPACTS
	AREA OF PERMANENT IMPACT = 0.187 AC.
	VOLUME OF PERMANENT IMPACT = 3620 C.Y.
	AREA OF TEMPORARY IMPACT = 0.000 AC.
	VOLUME OF TEMPORARY IMPACT = 0.000 C.Y.

NOTE
SEE R.O.W LAYOUT SHEET 7A
FOR R.O.W CALLS

REV. 2-08-10
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS
ADDED S-6
CHANGED OWNERS NAME TRACT 3
ADDED PATTERN FOR TCE
EXTENDED DRWY TRACT 89
ADDED DITCH LEFT

REV. 4-05-10
EXTENDED DRIVEWAY TRACT 89

REV. 5-01-10
COMBINED TRACTS 3 & 66 INTO TRACT 3

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 3 & 89

REV. 1-12-11
REMOVED ROCK FILL TRACT 3
REVISED C/F LIMITS AND PROP. ROW AND TCE TRACT 3

REV. 3-18-11
ADDED TRACTS 3A, 3B, 3C & 3D
REVISED TRACT 3
ADDED UTIL EASEMENT TRACTS 3A & 3D

REV. 4-22-11
REMOVED ROW CALL OUTS

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

REV. 6-29-12
REMOVED DRIVE AT STA. 480+19 LT

REV. 9-4-12
REVISED STREAM 6 LOCATION

REV. 5-14-13
ADDED TRACT 89S

REV. 7-15-13
ADDED RIPRAP

REV. 10-24-13
REVISED TRACT 89S TO PERM. DRAIN. ESM'T.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 474+00
TO
STA. 486+50
SCALE: 1" = 50'

8/16/2014
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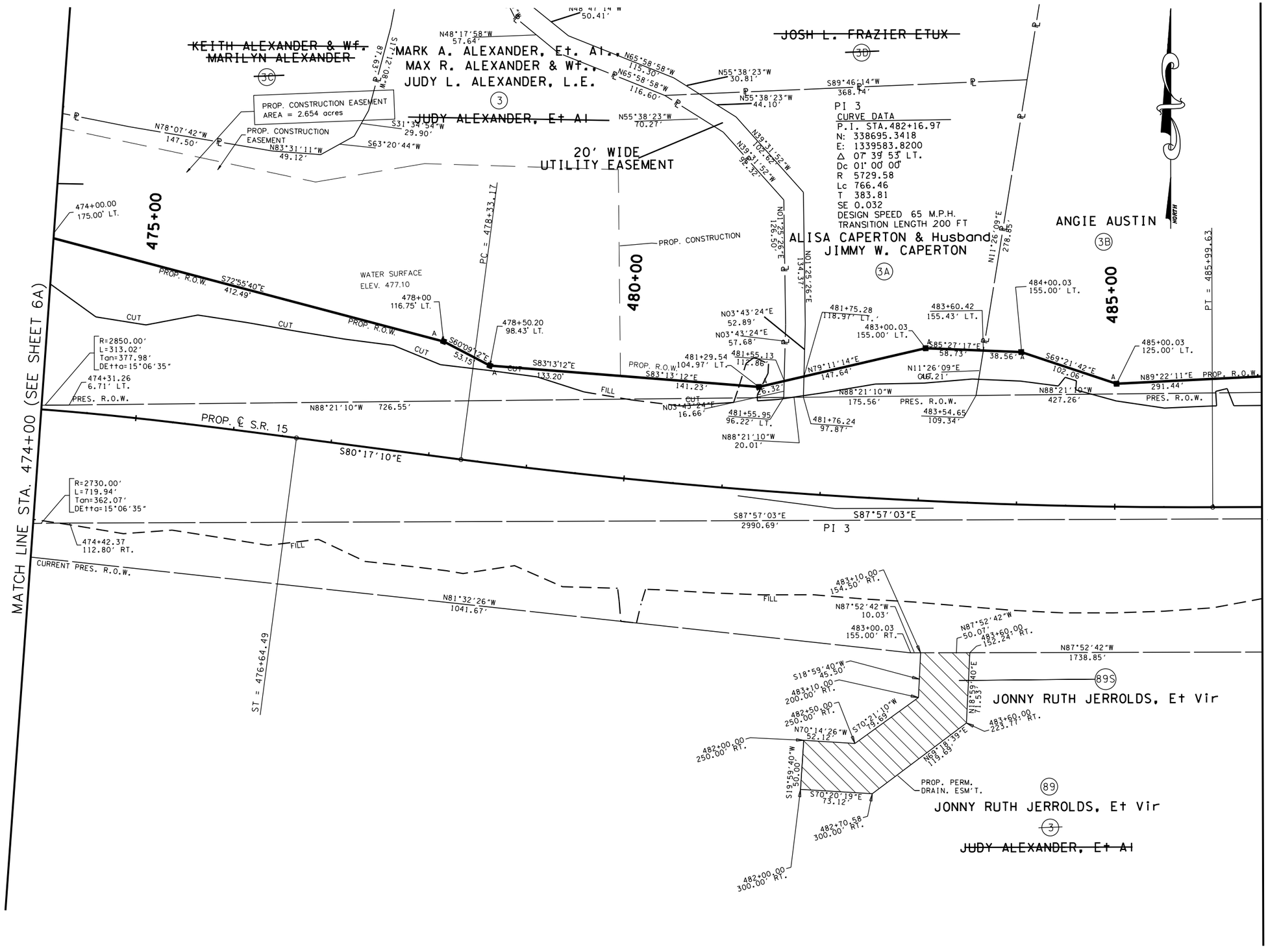
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	7A
CONST	2014	36001-3290-14	



REV. 2-08-10
CHANGED OWNER TRACT 3
REVISED EXIST. SURVEY DATA TRACTS 3 & 89
REVISED PROP ROW TRACT 3

REV. 4-05-10
REVISED EXIST ROW CURVE LENGTH TRACT 3
REVISED EXIST ROW LENGTH TRACT 3

REV. 5-01-10
COMBINED TRACTS 3 & 66 INTO TRACT 3

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 3 & 89

REV. 1-12-11
REVISED C/F LIMITS AND PROP. ROW AND TCE TRACT 3

REV. 3-18-11
ADDED TRACTS 3A, 3B, 3C & 3D
REVISED TRACT 3
ADDED UTIL EASEMENT TRACTS 3A & 3D

REV. 4-22-11
REMOVED FEATURES NOT NEEDED

REV. 6-29-12
REMOVED DRIVE AT STA. 480+19 LT

REV. 5-14-13
ADDED TRACT 89S

REV. 10-24-13
REVISED TRACT 89S TO PERM. DRAIN. ESM'T.

BURGEL F. JACKSON III
STATE OF TENNESSEE
14
AUGUST 2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
ROW LAYOUT
STA. 474+00
TO
STA. 486+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
ROW
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	7B
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-6

REV. 4-05-10
EXTENDED DRIVEWAY TRACT 89

REV. 5-01-10
COMBINED TRACTS 3 & 66 INTO TRACT 3

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 3 & 89

REV. 1-12-11
REMOVED ROCK FILL TRACT 3
REVISED C/F LIMITS TRACT 3
REVISED TCE LIMITS TRACT 3

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

REV. 6-29-12
REMOVED DRIVE AT STA. 480+19 LT
RELOCATED MEDIAN OPENING FROM 480+19.03 TO 481+16.03

REV. 9-4-12
REVISED STREAM 6 LOCATION

REV. 7-15-13
ADDED RIPRAP

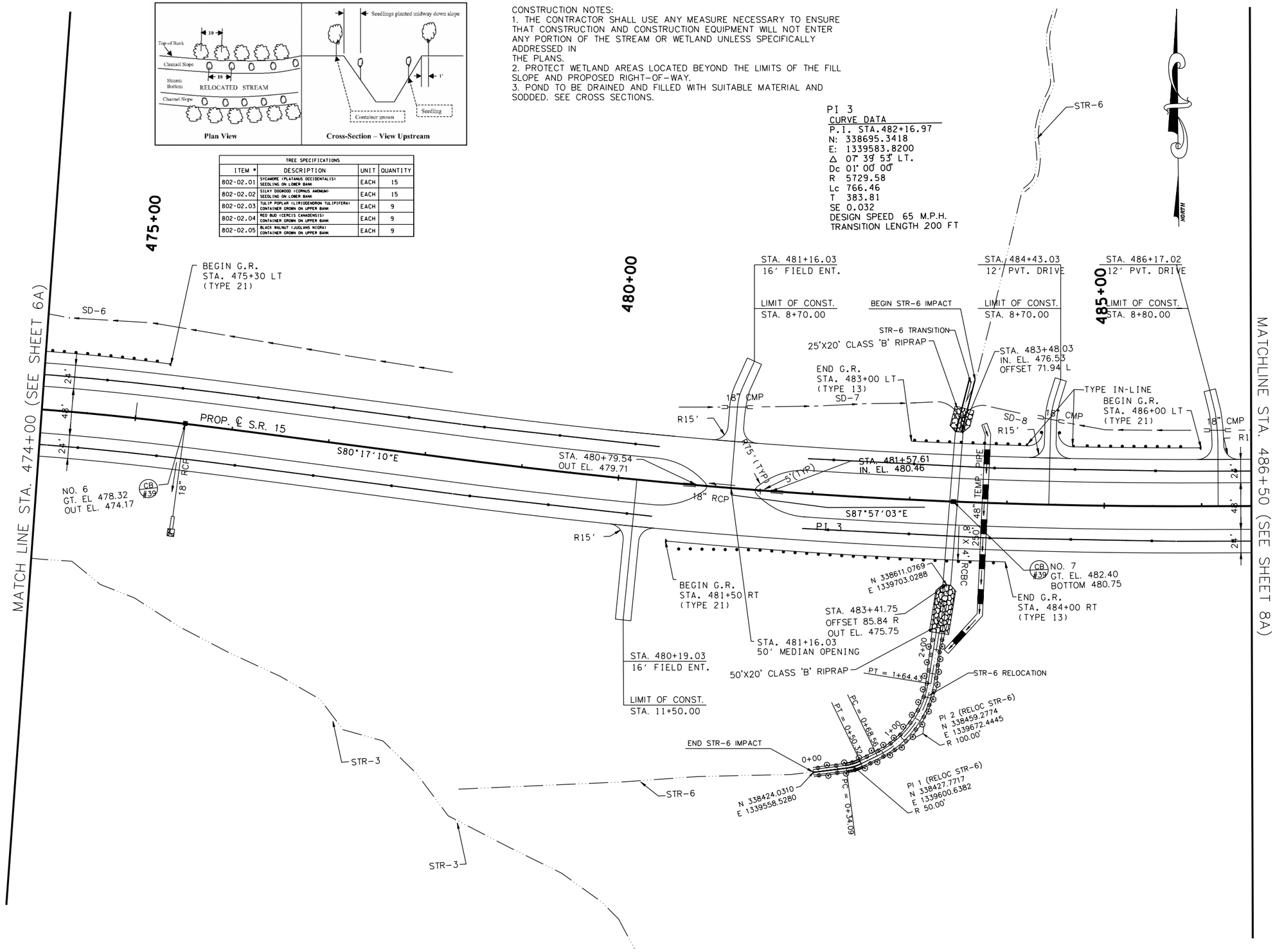
REV. 9-23-13
ADDED LIMITS OF STR-6 IMPACT
ADDED TEMP. PIPE SIZE

SPACING FOR PLANTING ALONG RELOCATED STREAM.

TREE SPECIFICATIONS			
ITEM *	DESCRIPTION	UNIT	QUANTITY
802-02.01	SYCAMORE (PLATANUS OCCIDENTALIS) SEEDLING ON LOWER BANK	EACH	15
802-02.02	SILKY DOGWOOD (CORNUS AMOMUM) SEEDLING ON LOWER BANK	EACH	15
802-02.03	TULIP POPLAR (LIRIODENDRON TULIPIFERA) CONTAINER GROWN ON UPPER BANK	EACH	9
802-02.04	RED BUD (CERCIS CANADENSIS) CONTAINER GROWN ON UPPER BANK	EACH	9
802-02.05	BLACK WALNUT (JUGLANS NIGRA) CONTAINER GROWN ON UPPER BANK	EACH	9

CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION AND CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE STREAM OR WETLAND UNLESS SPECIFICALLY ADDRESSED IN
THE PLANS.
2. PROTECT WETLAND AREAS LOCATED BEYOND THE LIMITS OF THE FILL SLOPE AND PROPOSED RIGHT-OF-WAY.
3. POND TO BE DRAINED AND FILLED WITH SUITABLE MATERIAL AND SODDED. SEE CROSS SECTIONS.

PI 3
CURVE DATA
P.I. STA.482+16.97
N: 338695.3418
E: 1339583.8200
Δ 07° 39' 53" LT.
Dc 01° 00' 00"
R 5729.58
Lc 766.46
T 383.81
SE 0.032
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 474+00
TO
STA. 486+50
SCALE: 1" = 50'

8/16/2014
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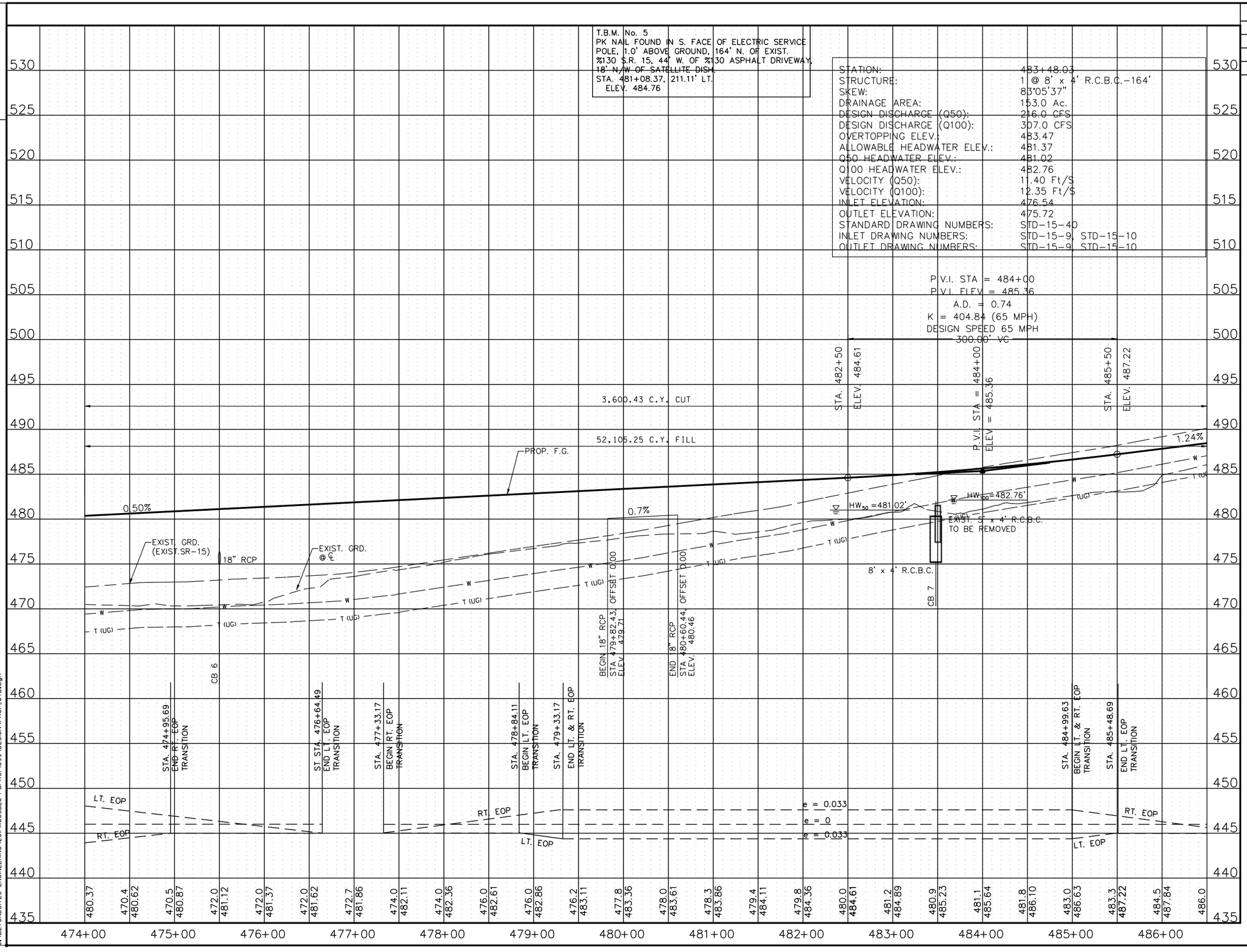
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	7C
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 474+00
TO
STA. 486+50
SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	8
CONST	2014	36001-3290-14	

REV. 2-08-10
CHANGED PROP. OWNER TRACTS 3 &73
ADDED FIELD ENT & DRWY TRACT 89
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS
ADDED S-7
ADDED DRWY TRACT 4 & 89

REV. 4-05-10
REMOVED PROP ROW TRACT 73

REV. 5-01-10
REVISED PI STA. CURVE #1

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 4, 5, 7 & 89

REV. 3-18-11
ADDED TRACT 3B
REVISED TRACTS 3, 7 & 67
REVISED PROP OWNER TRACT 67

REV. 4-22-11
REMOVED ROW CALL OUTS
REVISED PROP ROW TRACT 5

REV. 7-01-11
REVISED PROP ROW TRACT 4
ADDED TEMP CONST ESMT TRACTS 6 & 7

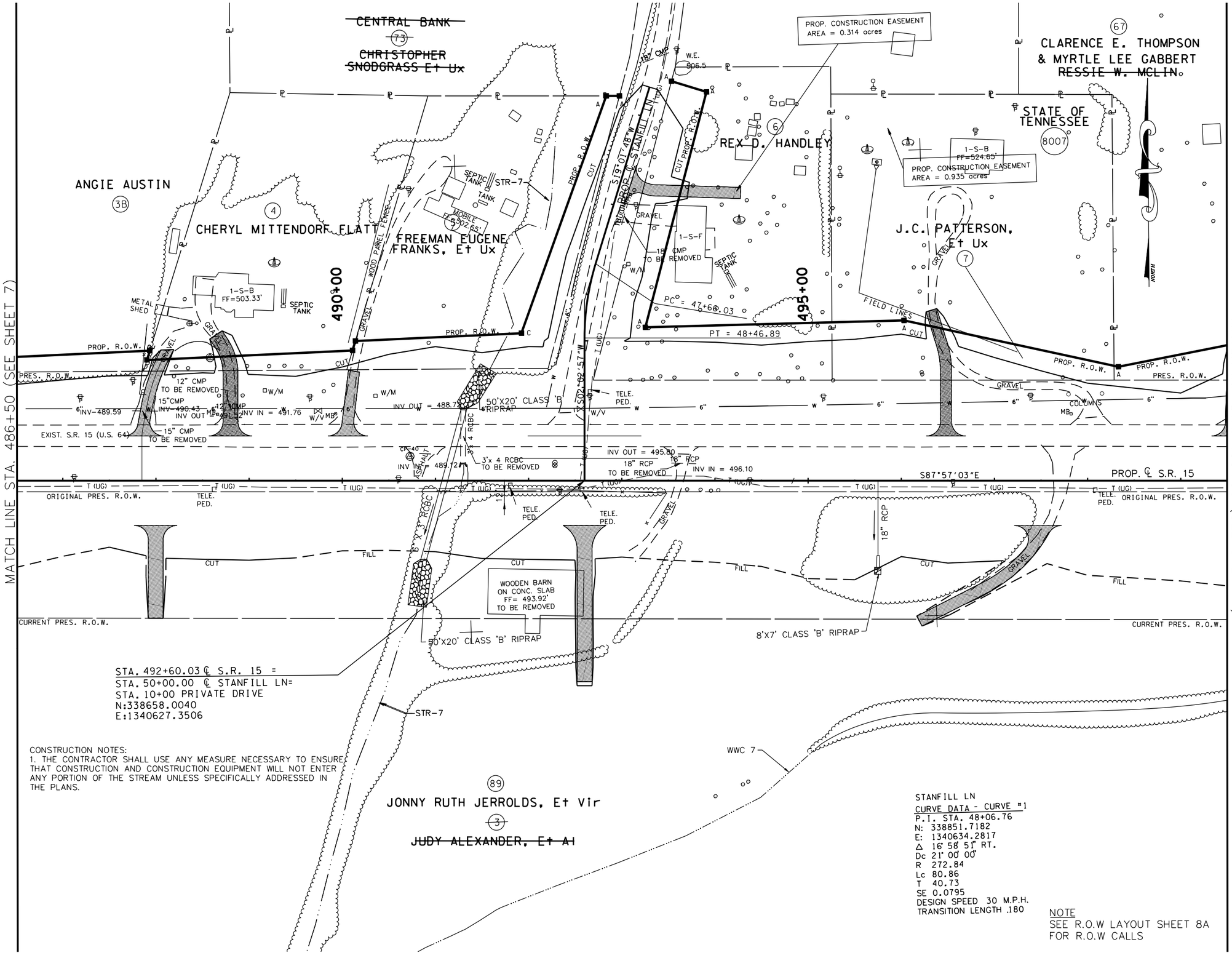
REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

REV. 9-4-12
REVISED STREAM 7 LOCATION

REV. 5-14-13
REVISED STREAM 7
ADDED CURRENT PRES. R.O.W. TO TRACT 89

REV. 7-15-13
ADDED RIPRAP

REV. 10-24-13
ADDED TRACT 8007



CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION AND CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE STREAM UNLESS SPECIFICALLY ADDRESSED IN THE PLANS.

STANFILL LN
CURVE DATA - CURVE #1
P.I. STA. 48+06.76
N: 338851.7182
E: 1340634.2817
Δ 16° 58' 51" RT.
Dc 21° 00' 00"
R 272.84
Lc 80.86
T 40.73
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .180

NOTE
SEE R.O.W LAYOUT SHEET 8A FOR R.O.W CALLS

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 486+50
TO
STA. 499+50
SCALE: 1" = 50'

8/6/2014
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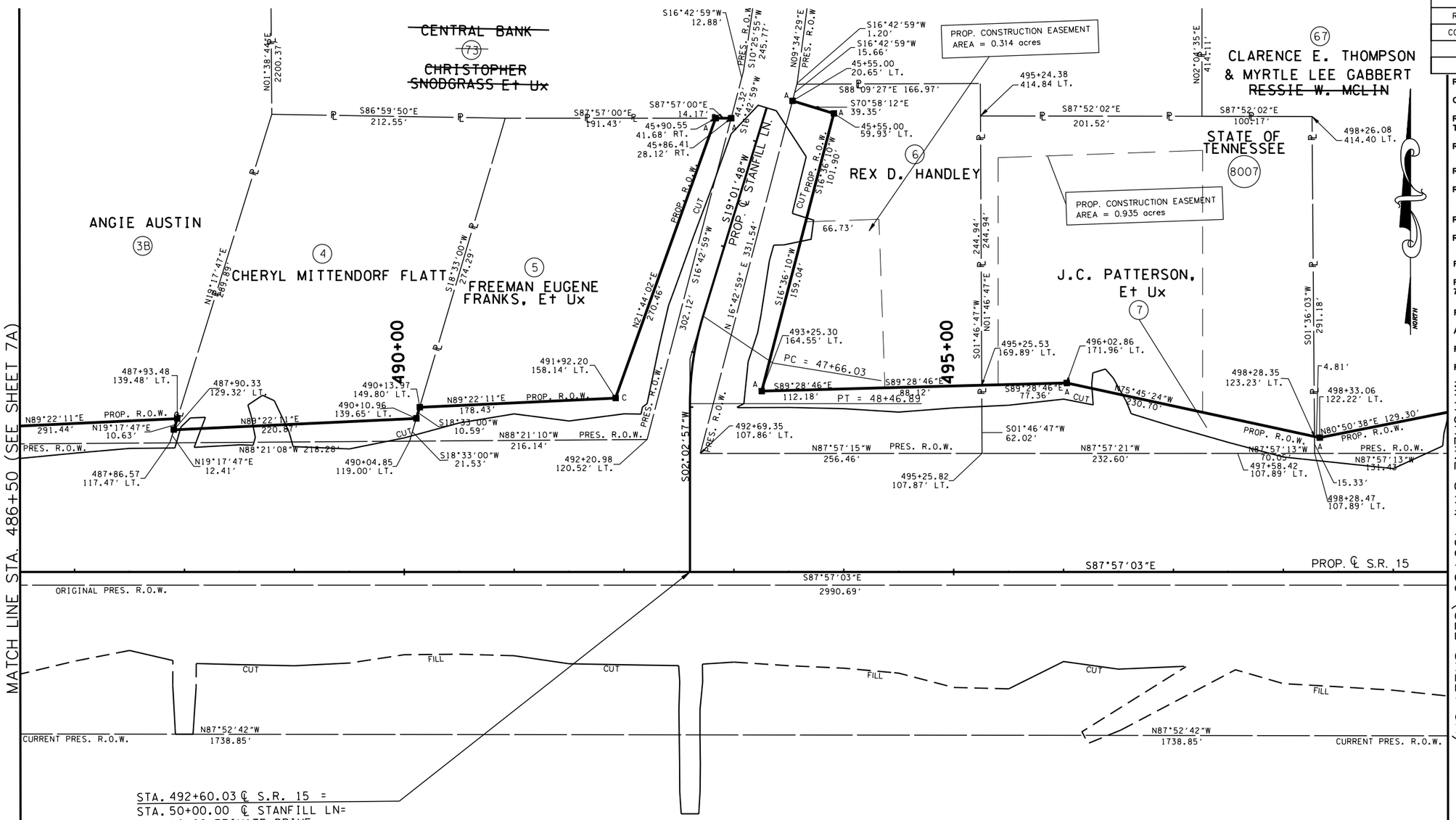
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	8A
CONST	2014	36001-3290-14	



STA. 492+60.03 ℄ S.R. 15 =
STA. 50+00.00 ℄ STANFILL LN=
STA. 10+00 PRIVATE DRIVE
N:338658.0040
E:1340627.3506

(89)
JONNY RUTH JERROLDS, Et Vir
(3)
~~JUDY ALEXANDER, Et Al~~

STANFILL LN
CURVE DATA - CURVE #1
P.I. STA. 48+06.76
N: 338851.7182
E: 1340634.2817
Δ 16° 58' 51" RT.
Dc 21° 00' 00"
R 272.84
Lc 80.86
T 40.73
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .180

REV. 2-08-10
CHANGED PROP. OWNER TRACTS 3 & 73
REVISED EXIST. SURVEY DATA TRACTS 4, 6, 7 & 75
REVISED PROP ROW TRACTS 5, 7 & 73
REV. 4-05-10
REMOVED PROP ROW TRACT 73
REV. 5-01-10
REVISED PI STA. CURVE #1
REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 4, 5, 7 & 89
REV. 3-18-11
ADDED TRACT 3B
REVISED TRACTS 3, 7 & 67
REVISED OWNER TRACT 67
REV. 4-22-11
REVISED PROP ROW TRACT 5
REV. 5-31-11
ADDED STA/OFFSET TRACT 7
REV. 7-01-11
REVISED PROP ROW TRACT 4
ADDED TEMP CONST ESMT TRACTS 6 & 7
REV. 5-14-13
ADDED CURRENT PRES. R.O.W. TO TRACT 89
REV. 10-24-13
ADDED TRACT 8007

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 486+50
TO
STA. 499+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	8B
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-7
ADDED FIELD ENT & DRWY TRACT 89

REV. 5-01-10
REVISED PI STA. CURVE #1

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 4, 5, 7 & 89

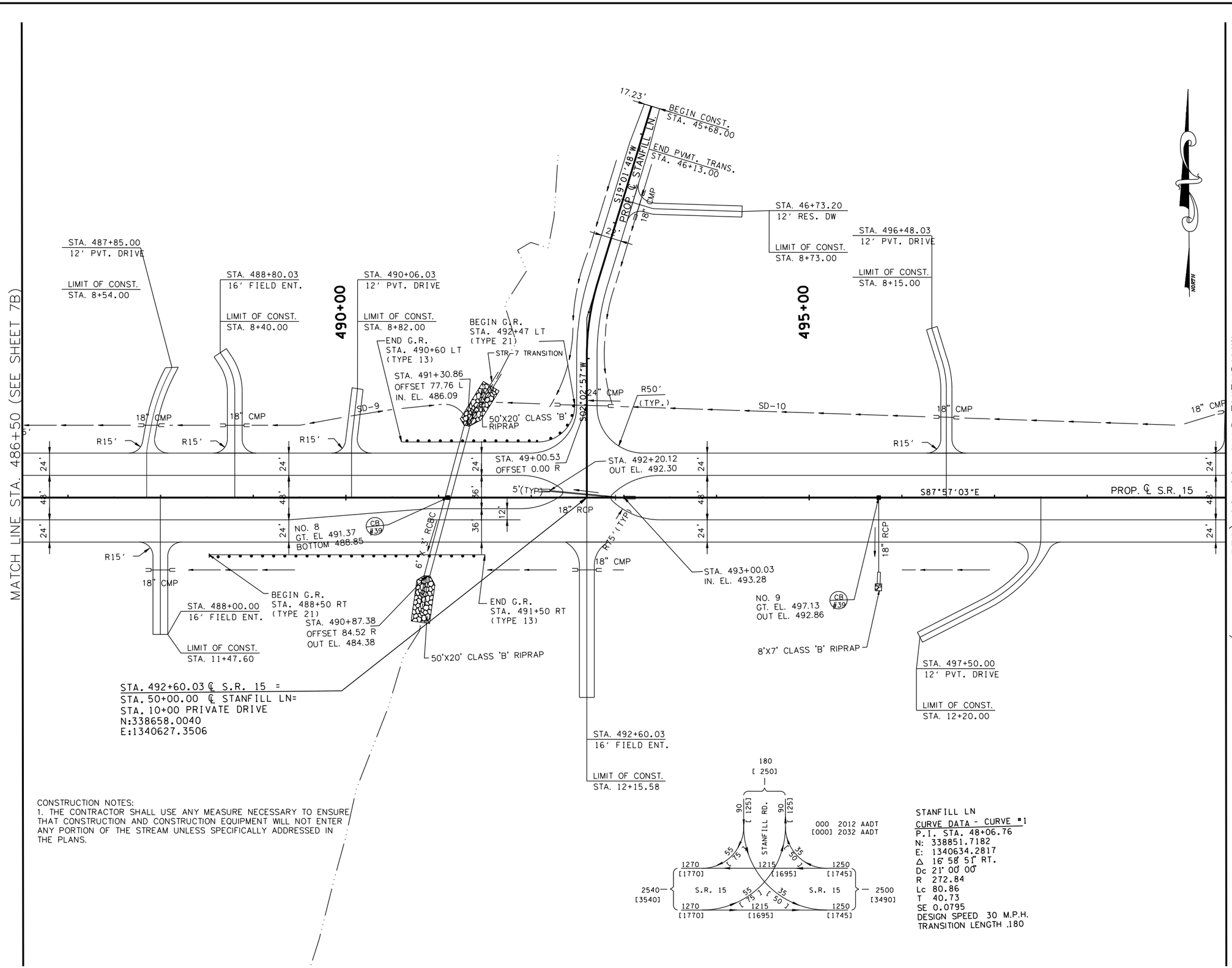
REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

REV. 9-4-12
REVISED STREAM 7 LOCATION

REV. 11-12-12
ADDED TURN LANE & TURN LANE WIDTH

REV. 5-14-13
REVISED STREAM 7

REV. 7-15-13
ADDED RIPRAP



CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION AND CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE STREAM UNLESS SPECIFICALLY ADDRESSED IN THE PLANS.

STANFILL LN
CURVE DATA - CURVE #1
P.I. STA. 48+06.76
N: 338851.7182
E: 1340634.2817
Δ 16° 58' 51" RT.
Dc 21° 00' 00"
R 272.84
Lc 80.86
T 40.73
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH 180

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 486+50
TO
STA. 499+50
SCALE: 1" = 50'

8/16/2014
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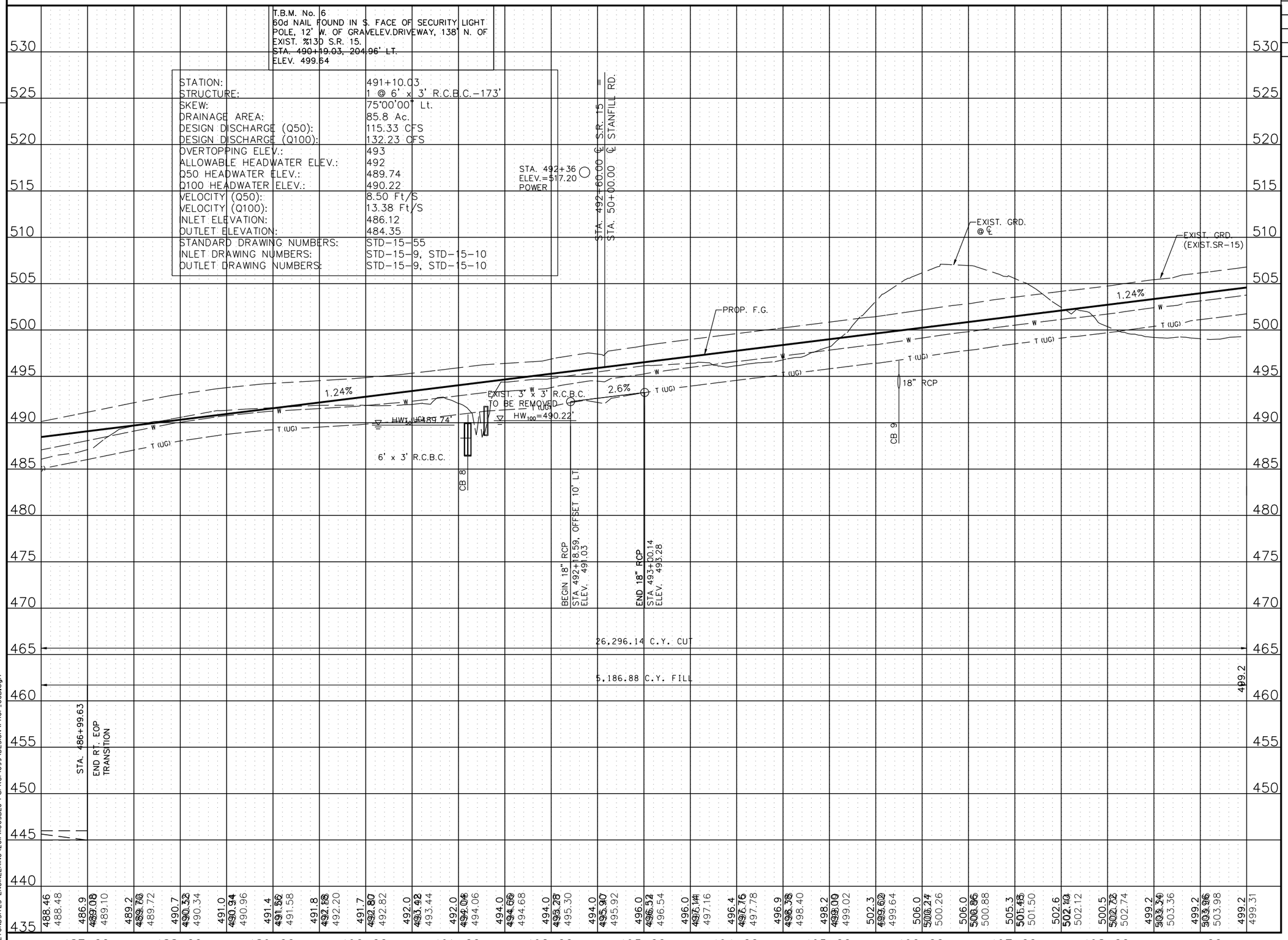
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	8C
CONST	2014	36001-3290-14	

T.B.M. No. 6
60d NAIL FOUND IN S. FACE OF SECURITY LIGHT POLE, 12' W. OF GRAVELEV.DRIVEWAY, 138' N. OF EXIST. %13D S.R. 15.
STA. 490+19.03, 204.96' LT.
ELEV. 499.64

STATION:	491+10.03
STRUCTURE:	1 @ 6' x 3' R.C.B.C.-173'
SKEW:	75°00'00" Lt.
DRAINAGE AREA:	85.8 Ac.
DESIGN DISCHARGE (Q50):	115.33 CFS
DESIGN DISCHARGE (Q100):	132.23 CFS
OVERTOPPING ELEV.:	493
ALLOWABLE HEADWATER ELEV.:	492
Q50 HEADWATER ELEV.:	489.74
Q100 HEADWATER ELEV.:	490.22
VELOCITY (Q50):	8.50 Ft/S
VELOCITY (Q100):	13.38 Ft/S
INLET ELEVATION:	486.12
OUTLET ELEVATION:	484.35
STANDARD DRAWING NUMBERS:	STD-15-55
INLET DRAWING NUMBERS:	STD-15-9, STD-15-10
OUTLET DRAWING NUMBERS:	STD-15-9, STD-15-10



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 486+50
TO
STA. 499+50

SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	9
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-8,S-9,WWC-5 & WWC-6
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS
REVISED PROP. ROW TRACT 89
CHANGED PROP. OWNER TRACT 9

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 8 & 9

REV. 1-12-11
REVISED OWNER TRACT 75

REV. 3-18-11
ADDED FENCE TRACT 8
REVISED PROP OWNER TRACT 67

REV. 4-22-11
REMOVED ROW CALL OUTS

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES
RELOCATED 48" RCP CROSS DRAIN AT STA. 501+91 TO STA. 502+51

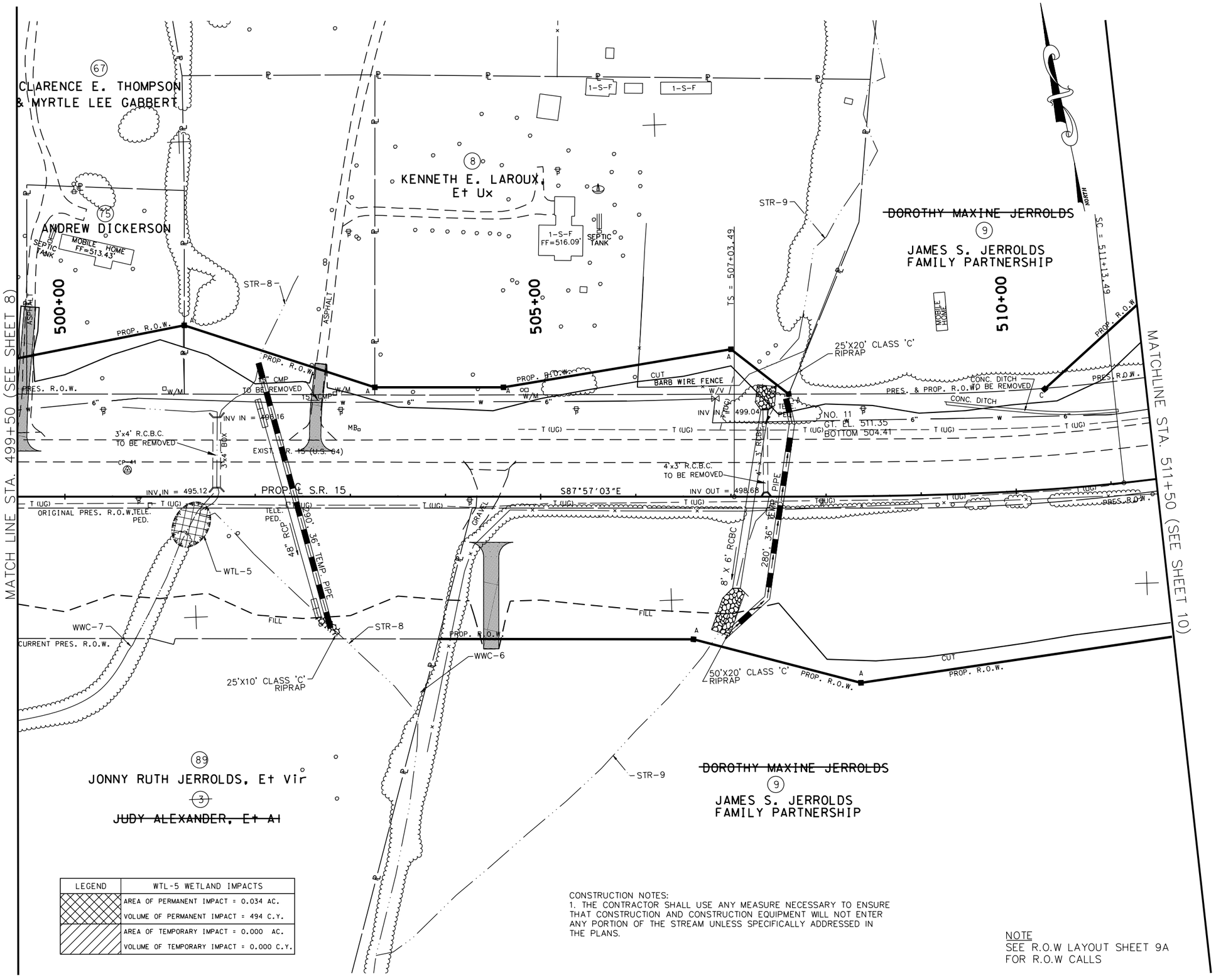
REV. 5-7-12
RELOCATED CROSS DRAIN AT STA. 502+51 TO 502+31

REV. 9-4-12
REVISED STREAMS 8 & 9 LOCATION

REV. 5-14-13
REVISED STREAM 9
ADDED CURRENT PRES. R.O.W. TO TRACT 89

REV. 7-15-13
ADDED RIPRAP

REV. 9-23-13
REVISED RIPRAP FOR CULVERTS AT STA. 502+31 AND 507+21



LEGEND	WTL-5 WETLAND IMPACTS
	AREA OF PERMANENT IMPACT = 0.034 AC.
	VOLUME OF PERMANENT IMPACT = 494 C.Y.
	AREA OF TEMPORARY IMPACT = 0.000 AC.
	VOLUME OF TEMPORARY IMPACT = 0.000 C.Y.

CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION AND CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE STREAM UNLESS SPECIFICALLY ADDRESSED IN THE PLANS.

NOTE
SEE R.O.W LAYOUT SHEET 9A FOR R.O.W CALLS

BIRDEL E. JACKSON III
STATE OF TENNESSEE
14

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 499+50
TO
STA. 511+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	9A
CONST	2014	36001-3290-14	

REV. 2-08-10
CHANGED PROP. OWNER TRACT 9
REVISED EXIST. SURVEY DATA TRACTS 75,8, 9 & 89
REVISED PROP. ROW TRACT 8

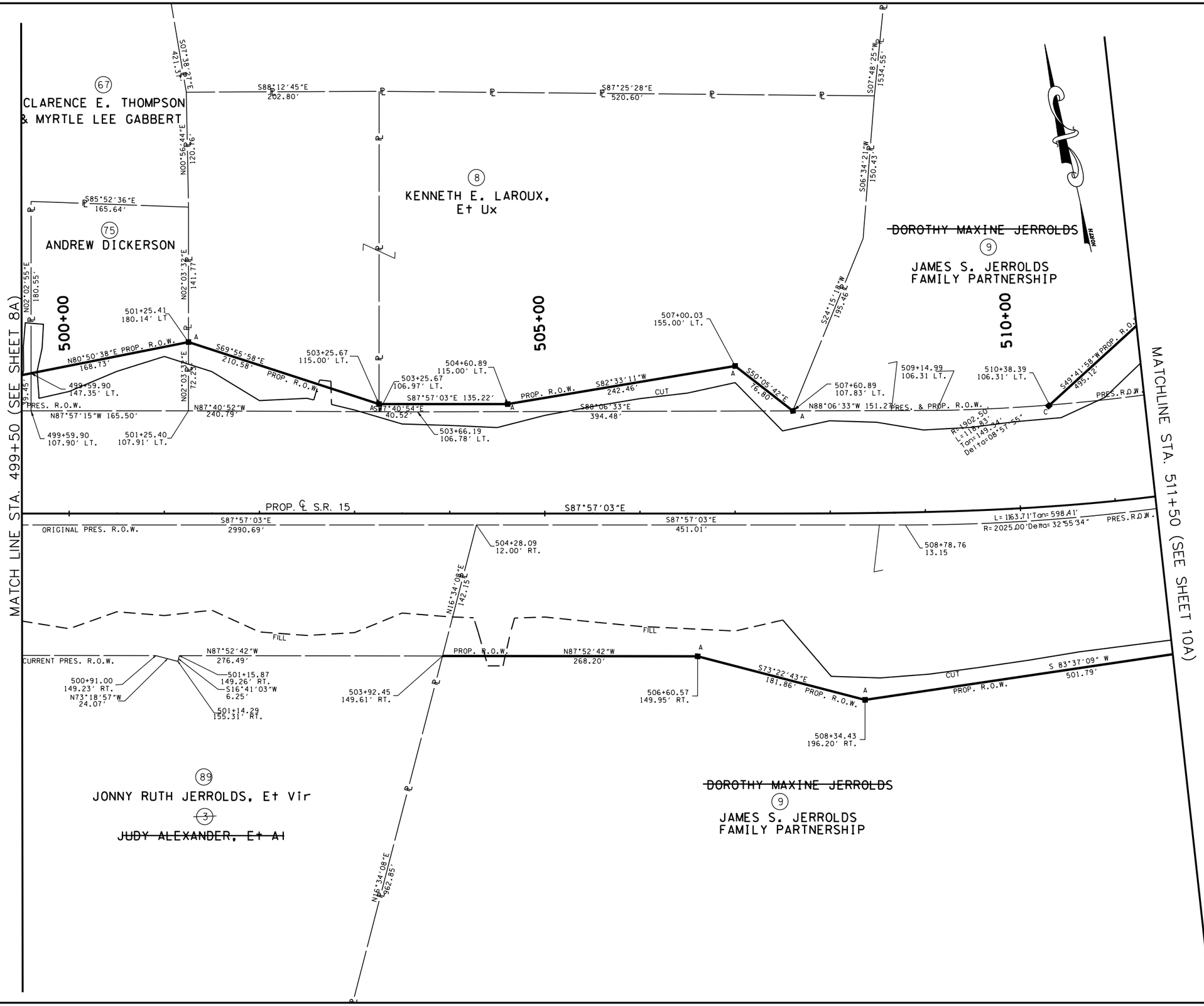
REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 8 & 9

REV. 1-12-11
REVISED OWNER TRACT 75

REV. 3-18-11
REVISED PROP OWNER TRACT 67

REV. 4-22-11
REMOVED FEATURES NOT NEEDED

REV. 5-14-13
ADDED CURRENT PRES. R.O.W. TO TRACT 89



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 499+50
TO
STA. 511+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	9B
CONST	2014	36001-3290-14	

REV. 2-08-10

ADDED S-8,S-9 ,WWC-5 & WWC-6

REV. 5-26-10

REVISED C/F LIMITS DRWY TRACTS 8 & 9

REV. 2-24-12

REVISED ENVIRONMENTAL FEATURES

RELOCATED 48" RCP CROSS DRAIN AT STA. 501+91 TO STA. 502+51

REV. 5-7-12

RELOCATED 48" RCP CROSS DRAIN AT STA. 502+51 TO STA. 502+31

REV. 9-4-12

REVISED STREAMS 8 & 9 LOCATION

REV. 5-14-13

REVISED STREAM 9

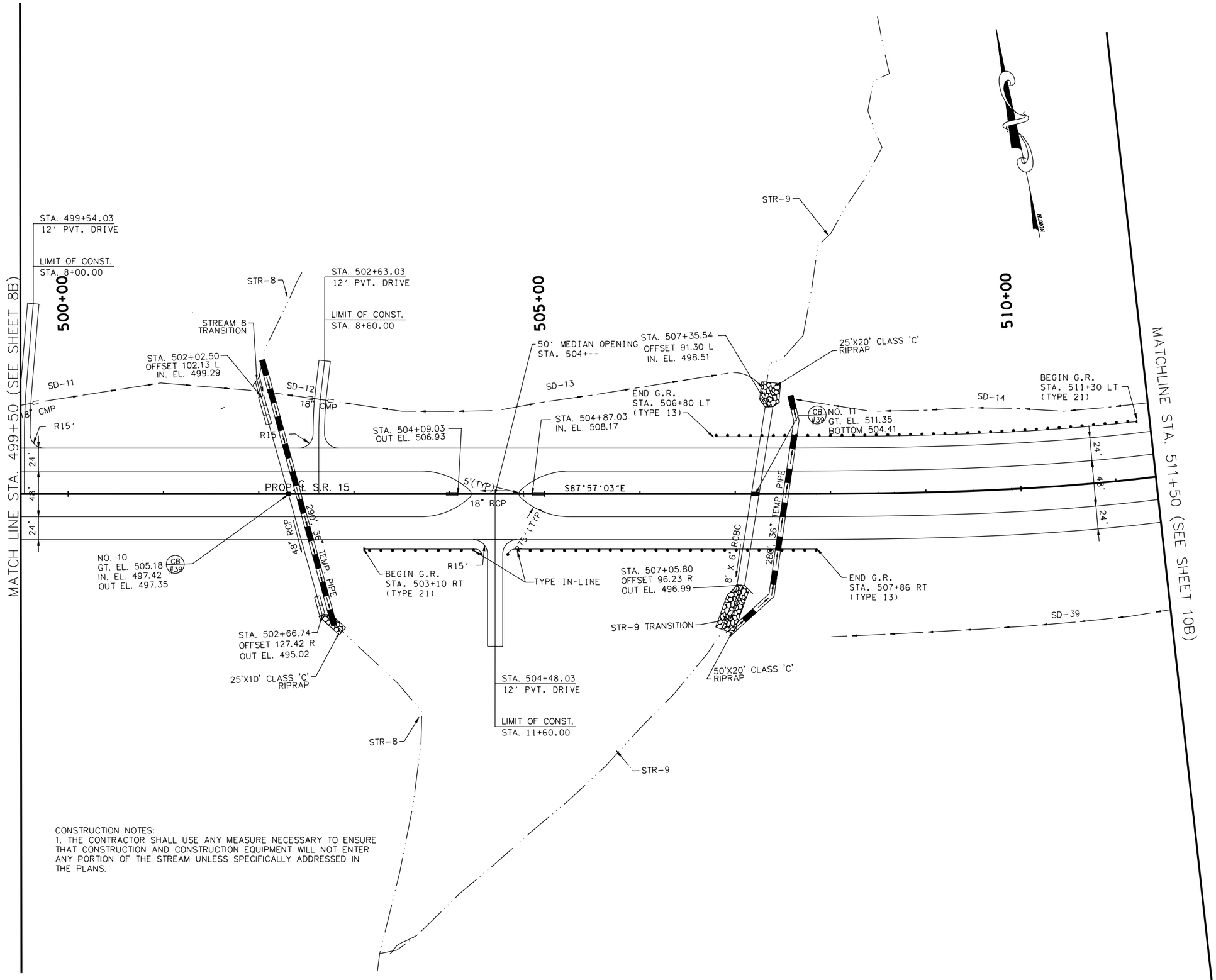
REV. 7-15-13

ADDED RIPRAP

REV. 9-23-13

REVISED RIPRAP FOR CULVERTS AT STA. 502+31 AND 507+21

ADDED TEMP. PIPE SIZES



CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION AND CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE STREAM UNLESS SPECIFICALLY ADDRESSED IN THE PLANS.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 499+50
TO
STA. 511+50
SCALE: 1" = 50'

8/16/2014
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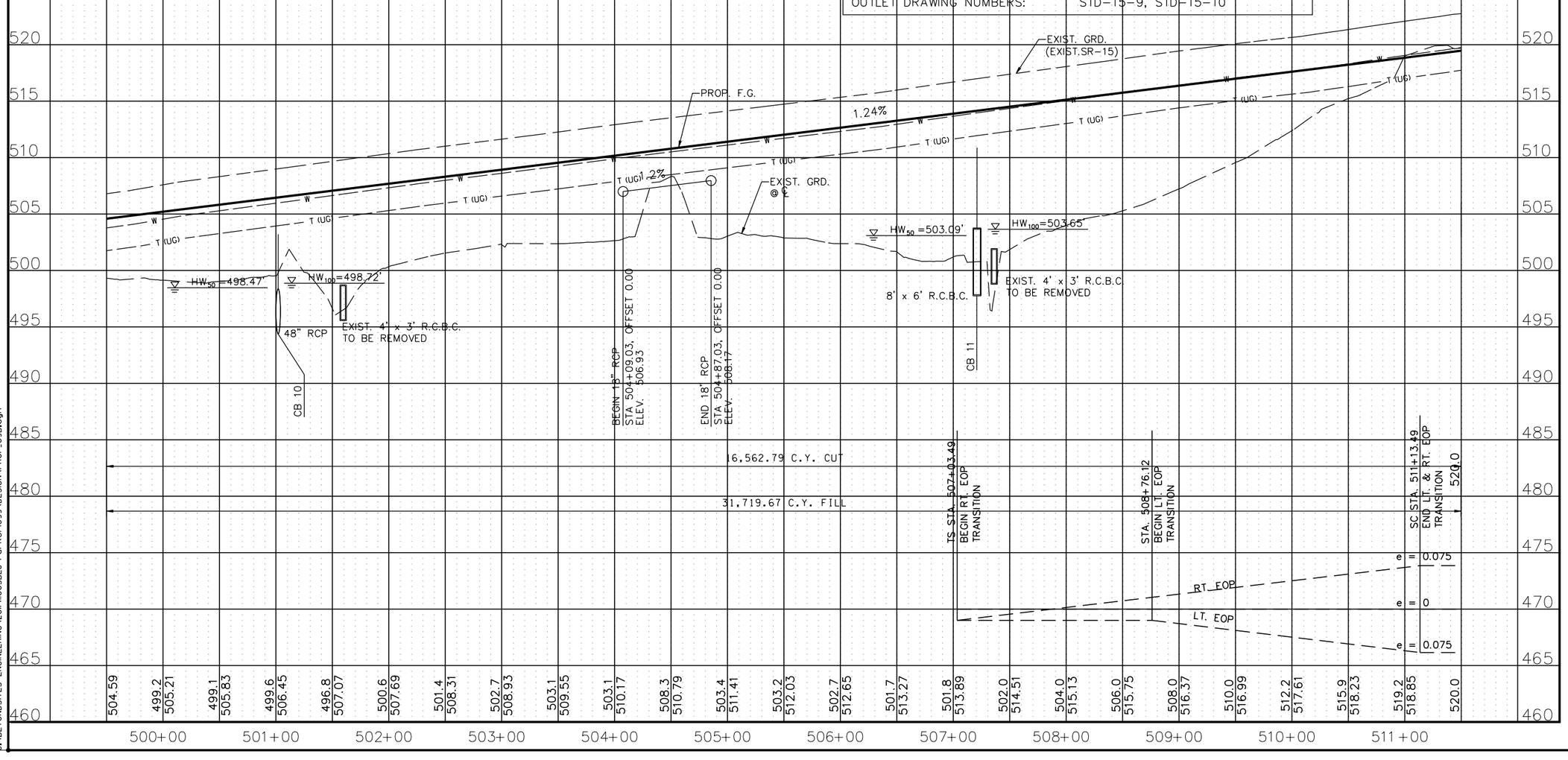
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	9C
CONST	2014	36001-3290-14	

T.B.M. No. 7
C.P.S. IN S. FACE OF POWER POLE #2705, 256' N. OF EXIST. %130 S.R. 15, 13' EAST OF ASPHALT DRIVEWAY, 18' S. OF %130 GRAVELEV.DRIVEWAY.
STA. 502+98.22, 278.77' LT.
ELEV. 513.26

STATION:	501+02.03
STRUCTURE:	48" R.C.P.-173'
SKEW:	90°00'00"
DRAINAGE AREA:	19.2 Ac.
DESIGN DISCHARGE (Q50):	59.0 CFS
DESIGN DISCHARGE (Q100):	65.5 CFS
OVERTOPPING ELEV.:	505.00
ALLOWABLE HEADWATER ELEV.:	504.00
Q50 HEADWATER ELEV.:	498.47
Q100 HEADWATER ELEV.:	498.72
VELOCITY (Q50):	9.29 Ft/S
VELOCITY (Q100):	9.53 Ft/S
INLET ELEVATION:	494.98
OUTLET ELEVATION:	494.00
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-4, D-PE-4B(1), D-PE-4B(2)
OUTLET DRAWING NUMBERS:	D-PE-4, D-PE-4B(1), D-PE-4B(2)

STATION:	507+21.03
STRUCTURE:	1 @ 8' x 6' R.C.B.C.-187'
SKEW:	81°00'00" Lt.
DRAINAGE AREA:	133.5 Ac.
DESIGN DISCHARGE (Q50):	234.0 CFS
DESIGN DISCHARGE (Q100):	277.0 CFS
OVERTOPPING ELEV.:	513.00
ALLOWABLE HEADWATER ELEV.:	512.00
Q50 HEADWATER ELEV.:	503.09
Q100 HEADWATER ELEV.:	503.65
VELOCITY (Q50):	13.10 Ft/S
VELOCITY (Q100):	13.71 Ft/S
INLET ELEVATION:	498.50
OUTLET ELEVATION:	497.00
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	STD-15-9, STD-15-10
OUTLET DRAWING NUMBERS:	STD-15-9, STD-15-10



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 499+50
TO
STA. 511+50
SCALE: 1" = 50'H, 5'V

8/6/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	10
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-10 & WWC-7
CHANGED PROP. OWNER TRACT 9
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS
REVISED PROP. ROW TRACT 9

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACT 9

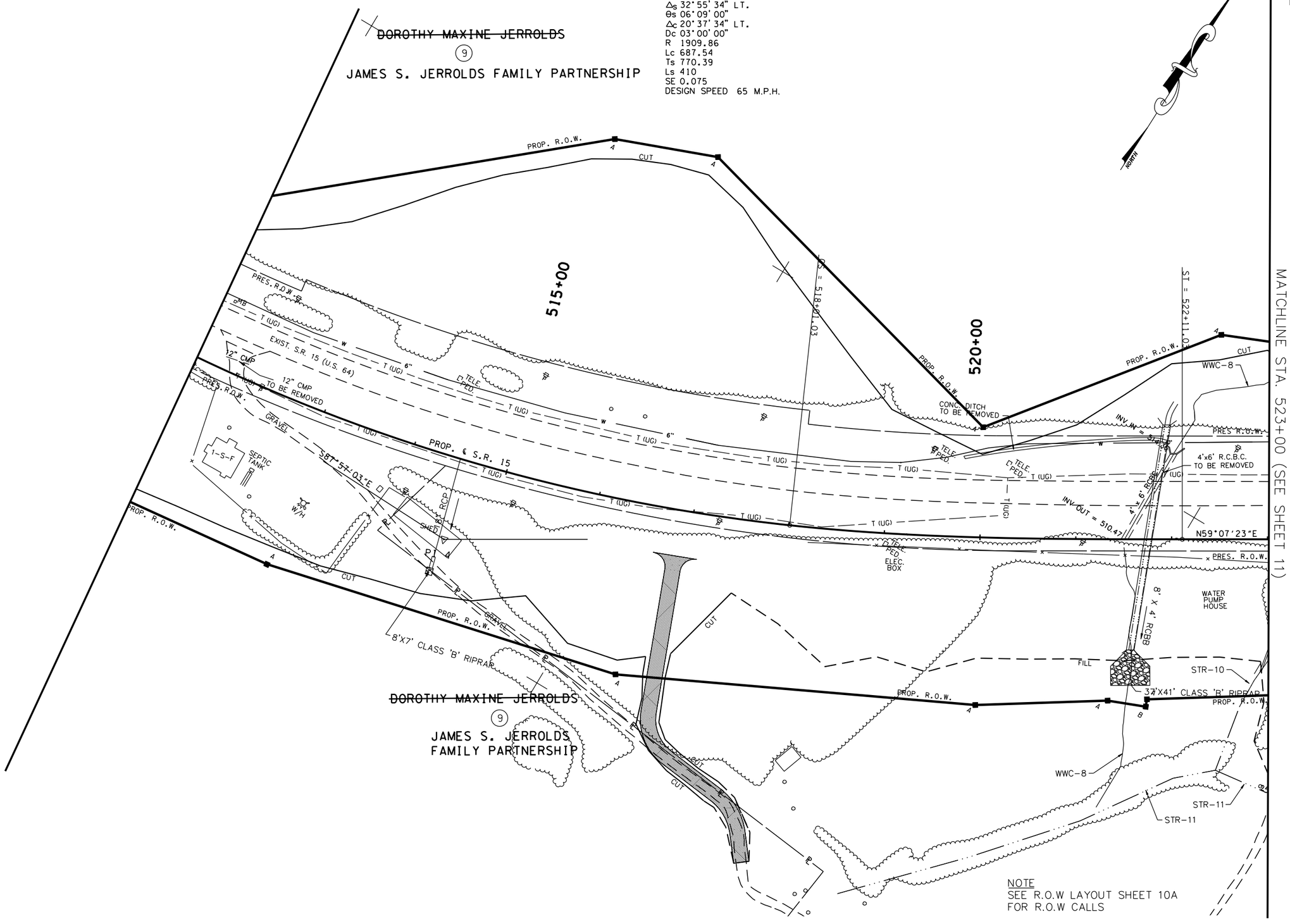
REV. 4-22-11
REMOVED ROW CALL OUTS

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES
ADDED SPRING BOX AND 18" HDPE DRAIN PIPE (OUTLET @ 522+93 RT) @ STA. 523+06 RT

REV. 9-4-12
REVISED WWC-8 LOCATION

REV. 5-14-13
REVISED STREAM 10

PI 4
CURVE DATA (SPIRAL)
P.I. STA. 514+73.88
N: 338578.8424
E: 1342839.7902
Δ_s 32° 55' 34" LT.
θ_s 06° 09' 00"
Δ_c 20° 37' 34" LT.
Dc 03° 00' 00"
R 1909.86
Lc 687.54
Ts 770.39
Ls 410
SE 0.075
DESIGN SPEED 65 M.P.H.



NOTE
SEE R.O.W LAYOUT SHEET 10A FOR R.O.W CALLS

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 511+50
TO
STA. 523+00
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	10A
CONST	2014	36001-3290-14	

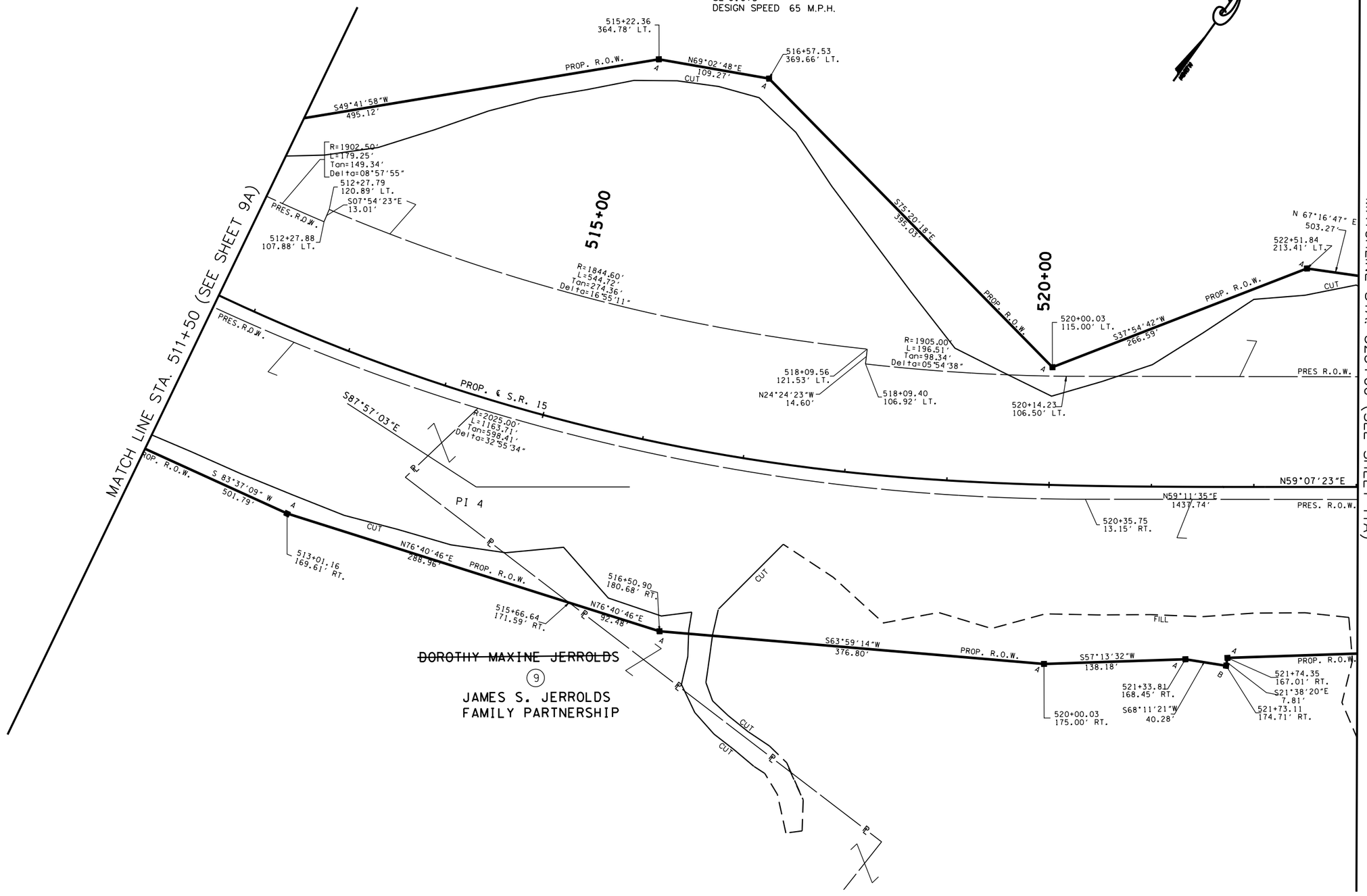
REV. 2-08-10
CHANGED PROP. OWNER TRACT 9
REVISED EXIST. SURVEY DATA TRACT 9
REVISED PROP. ROW TRACT 9

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACT 9

REV. 4-22-11
REMOVED FEATURES NOT NEEDED

REV. 7-01-11
REVISED DIST/BRG TRACT 9

PI 4
CURVE DATA (SPIRAL)
P.I. STA. 514+73.88
N: 338578.8424
E: 1342839.7902
Δ_s 32°55'34" LT.
Θ_s 06°09'00"
Δ_c 20°37'34" LT.
Dc 03°00'00"
R 1909.86
Lc 687.54
Ts 770.39
Ls 410
SE 0.075
DESIGN SPEED 65 M.P.H.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 511+50
TO
STA. 523+00
SCALE: 1" = 50'

8/16/2014
C:\BEYONDSITES ENGINEERING\2011\110058EJ-Parker1099\DESIGN\ROW_10.dgn

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	10B
CONST	2014	36001-3290-14	

REV. 2-08-10

ADDED S-10 & WWC-7

REV. 5-26-10

REVISED C/F LIMITS DRWY TRACT 9

REV. 2-24-12

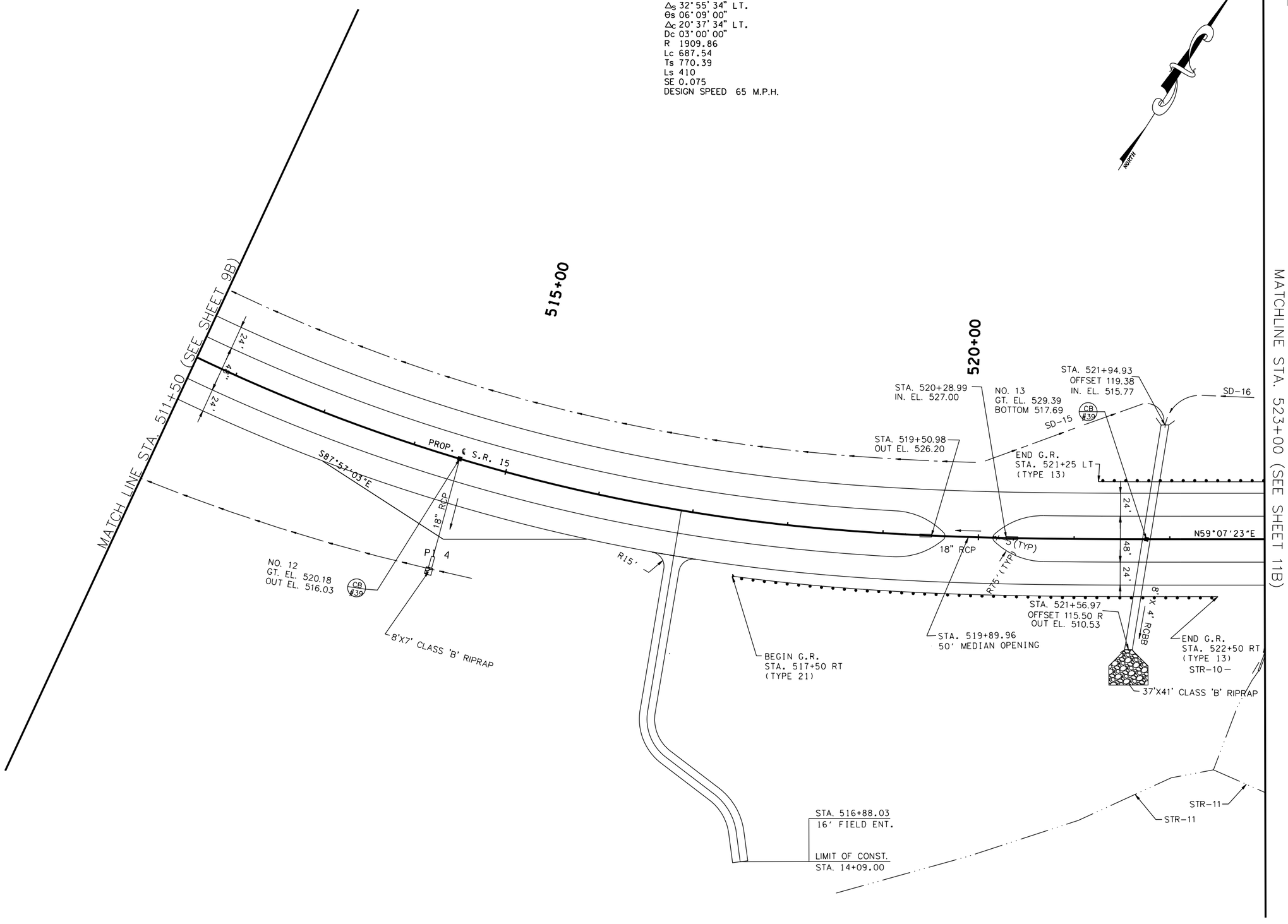
REVISED ENVIRONMENTAL FEATURES

ADDED SPRING BOX AND 18" HDPE DRAIN PIPE (OUTLET @ 522+93 RT) @ STA. 523+06 RT

REV. 5-14-13

REVISED STREAM 10

PI 4
CURVE DATA (SPIRAL)
P.I. STA. 514+73.88
N: 338578.8424
E: 1342839.7902
Δ_s 32°55'34" LT.
θ_s 06°09'00"
Δ_c 20°37'34" LT.
Dc 03°00'00"
R 1909.86
Lc 687.54
Ts 770.39
Ls 410
SE 0.075
DESIGN SPEED 65 M.P.H.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 511+50
TO
STA. 523+00

SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	10C
CONST	2014	36001-3290-14	

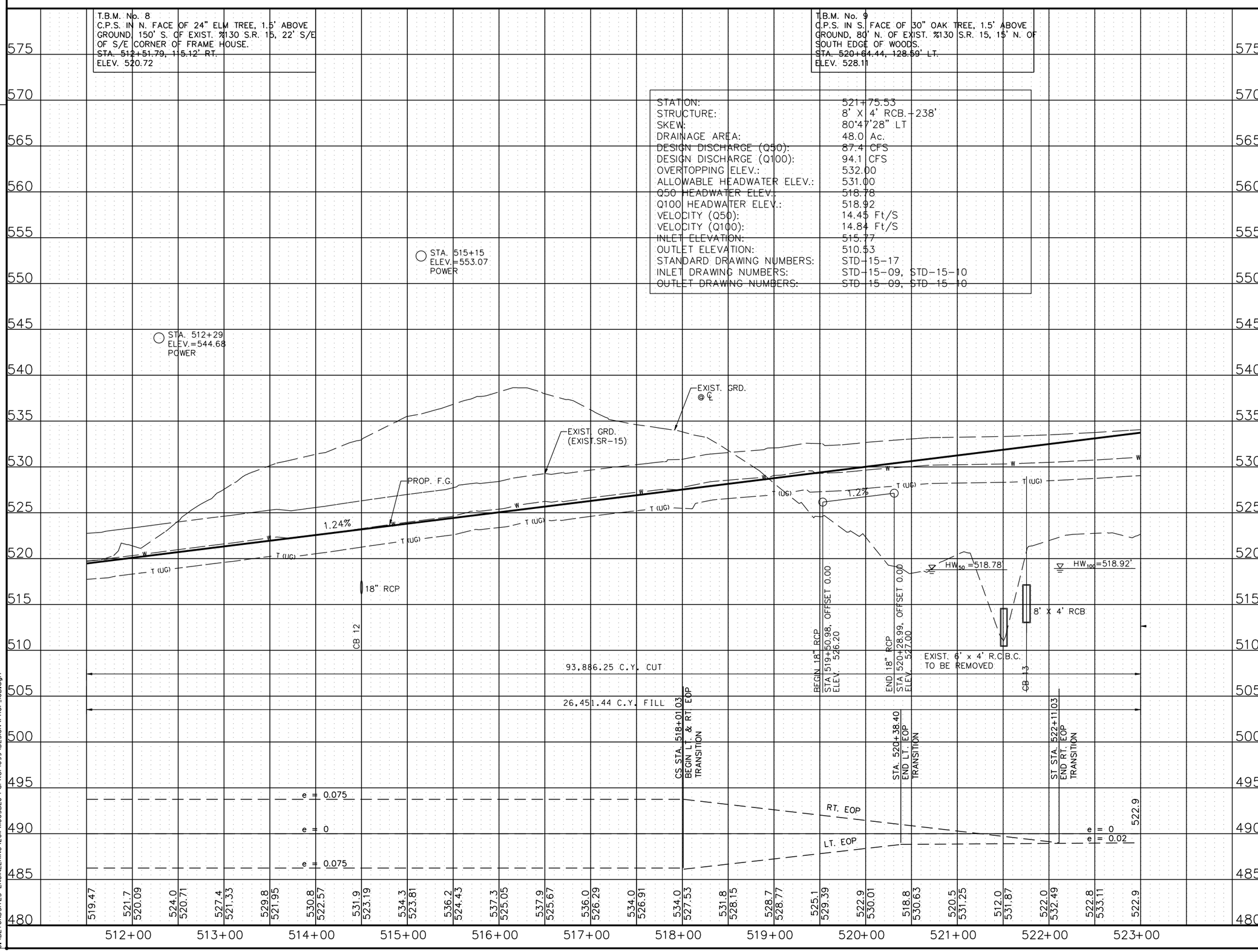
REV. 3-18-14

UPDATED CULVERT DESCRIPTION

T.B.M. No. 8
C.P.S. IN N. FACE OF 24" ELM TREE, 1.5' ABOVE GROUND, 150' S. OF EXIST. %130 S.R. 15, 22' S/E OF S/E CORNER OF FRAME HOUSE.
STA. 512+51.79, 115.12' RT.
ELEV. 520.72

T.B.M. No. 9
C.P.S. IN S. FACE OF 30" OAK TREE, 1.5' ABOVE GROUND, 80' N. OF EXIST. %130 S.R. 15, 15' N. OF SOUTH EDGE OF WOODS.
STA. 520+64.44, 128.59' LT.
ELEV. 528.11

STATION:	521+75.53
STRUCTURE:	8' X 4' RCB.-238'
SKEW:	80°47'28" LT
DRAINAGE AREA:	48.0 Ac.
DESIGN DISCHARGE (Q50):	87.4 CFS
DESIGN DISCHARGE (Q100):	94.1 CFS
OVERTOPPING ELEV.:	532.00
ALLOWABLE HEADWATER ELEV.:	531.00
Q50 HEADWATER ELEV.:	518.78
Q100 HEADWATER ELEV.:	518.92
VELOCITY (Q50):	14.45 Ft/S
VELOCITY (Q100):	14.84 Ft/S
INLET ELEVATION:	515.77
OUTLET ELEVATION:	510.53
STANDARD DRAWING NUMBERS:	STD-15-17
INLET DRAWING NUMBERS:	STD-15-09, STD-15-10
OUTLET DRAWING NUMBERS:	STD-15-09, STD-15-10



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 511+50
TO
STA. 523+00
SCALE: 1" = 50'H, 5'V

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	11
CONST	2014	36001-3290-14	

REV. 2-08-10
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS
ADDED S-11
CHANGED PROP. OWNER TRACT 9

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACT 9

REV. 3-18-11
REVISED TRACTS 9 & 12
REVISED SEPTIC TANK & FIELD LINES TRACT 11

REV. 4-22-11
REMOVED ROW CALL OUTS

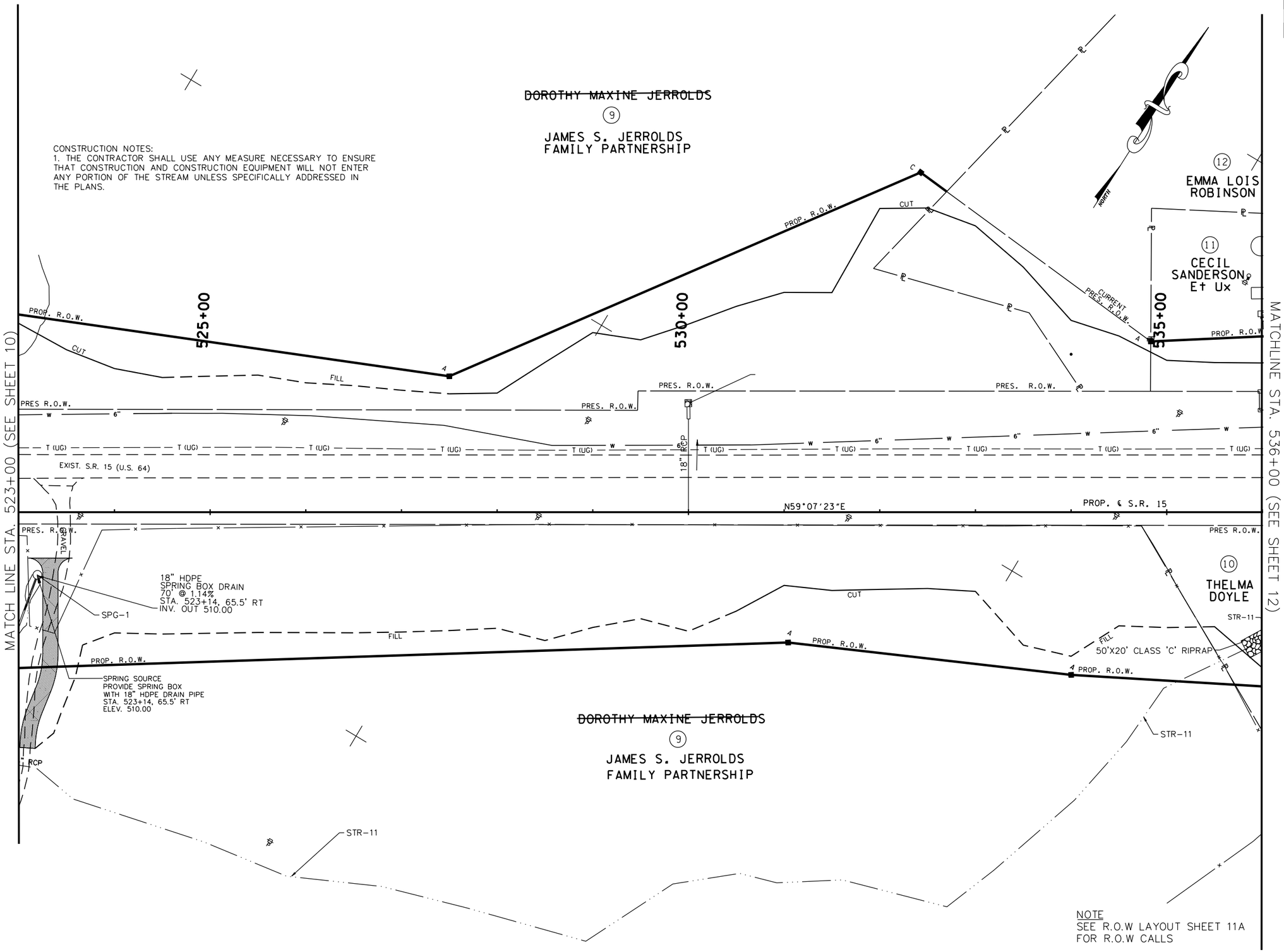
REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES
ADDED SPRING BOX AND 18" HDPE DRAIN PIPE @ STA. 523+06 RT

REV. 9-4-12
REVISED STREAM 6 LOCATION

REV. 5-14-13
REVISED STREAM 10 AND SPRING 1

REV. 7-15-13
ADDED RIPRAP

REV. 9-23-13
REVISED RIPRAP FOR CULVERT AT STA. 537+80



NOTE
SEE R.O.W LAYOUT SHEET 11A
FOR R.O.W CALLS

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 523+00
TO
STA. 536+00
SCALE: 1" = 50'

8/6/2014
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TENNESSEE D.O.T.	
DESIGN DIVISION	
FILE NO.	

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	11A
CONST	2014	36001-3290-14	

REV. 2-08-10

CHANGED PROP. OWNER TRACT 9

REVISED EXIST. SURVEY DATA TRACT 9

REV. 5-26-10

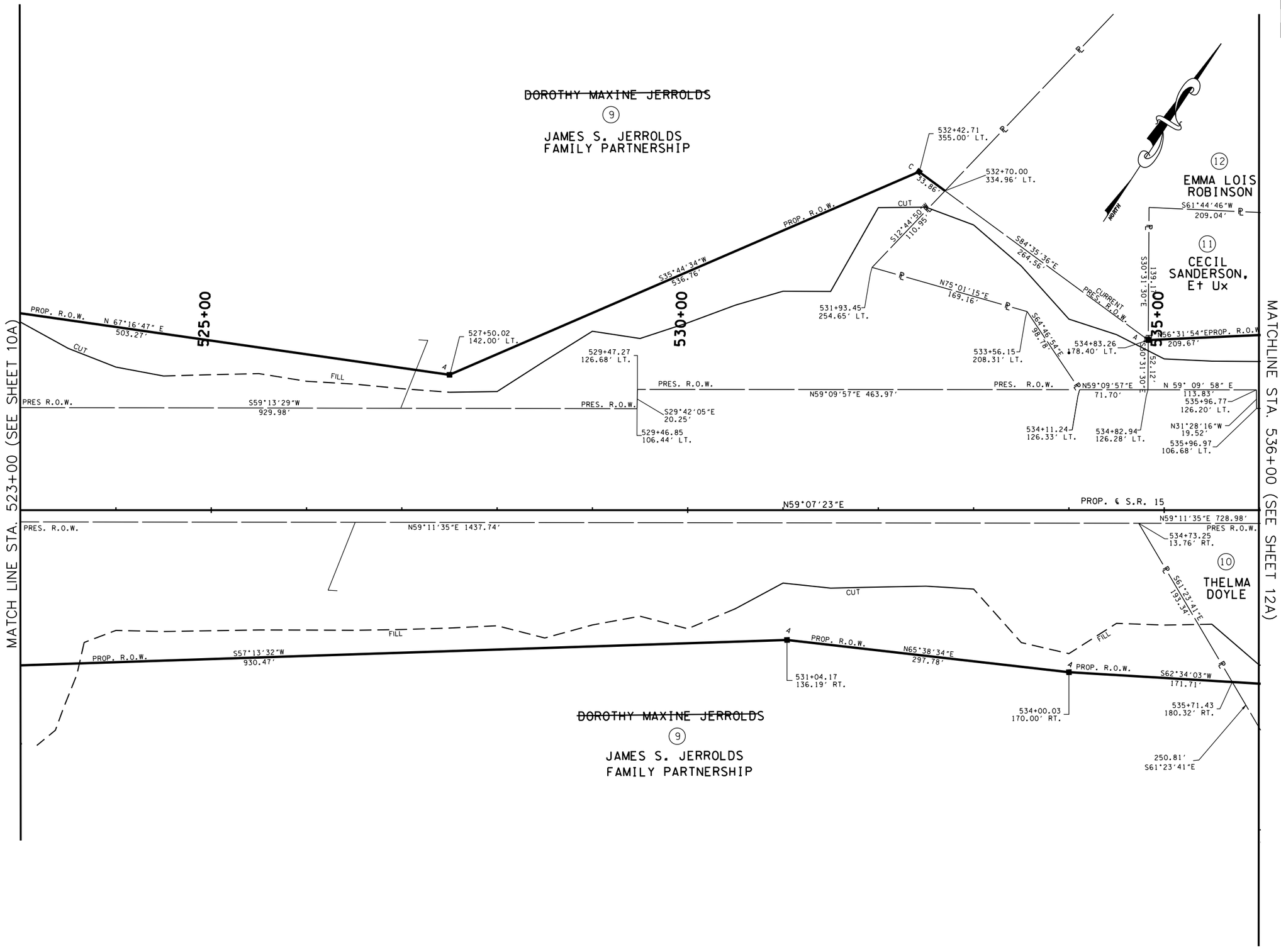
REVISED C/F LIMITS DRWY TRACT 9

REV. 3-18-11

REVISED TRACTS 9 & 12

REV. 4-22-11

ADDED DIST/BRG TRACT 11



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 523+00
TO
STA. 536+00
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	11B
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-11

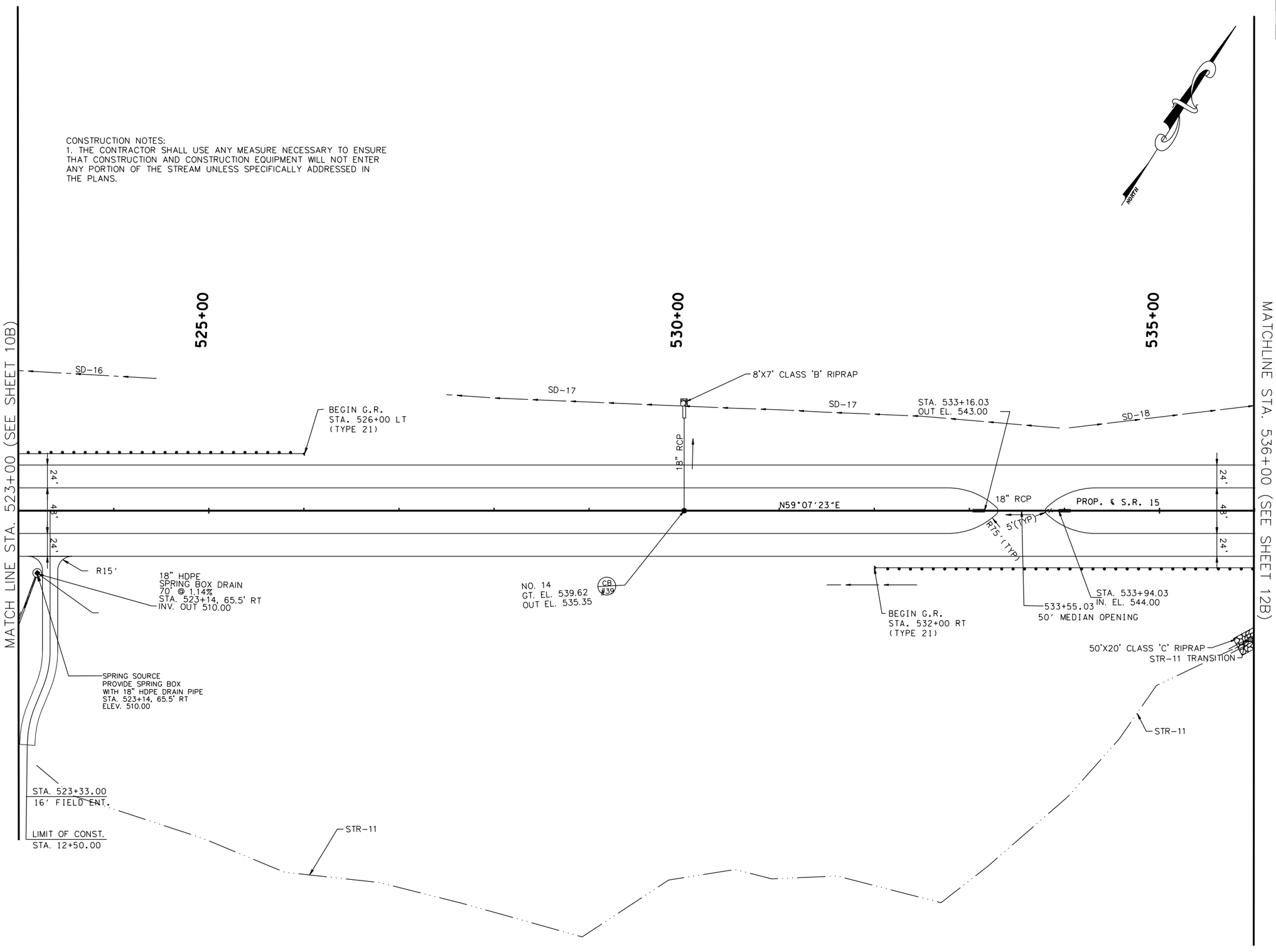
REV. 5-26-10
REVISED C/F LIMITS DRWY TRACT 9

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES
ADDED SPRING BOX @ STA. 523+06 RT

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES
ADDED SPRING BOX @ STA. 523+06 RT

REV. 5-14-13
REVISED STREAM 10
REVISED SPRING BOX

REV. 7-15-13
ADDED RIPRAP



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 523+00
TO
STA. 536+00
SCALE: 1" = 50'

8/16/2014
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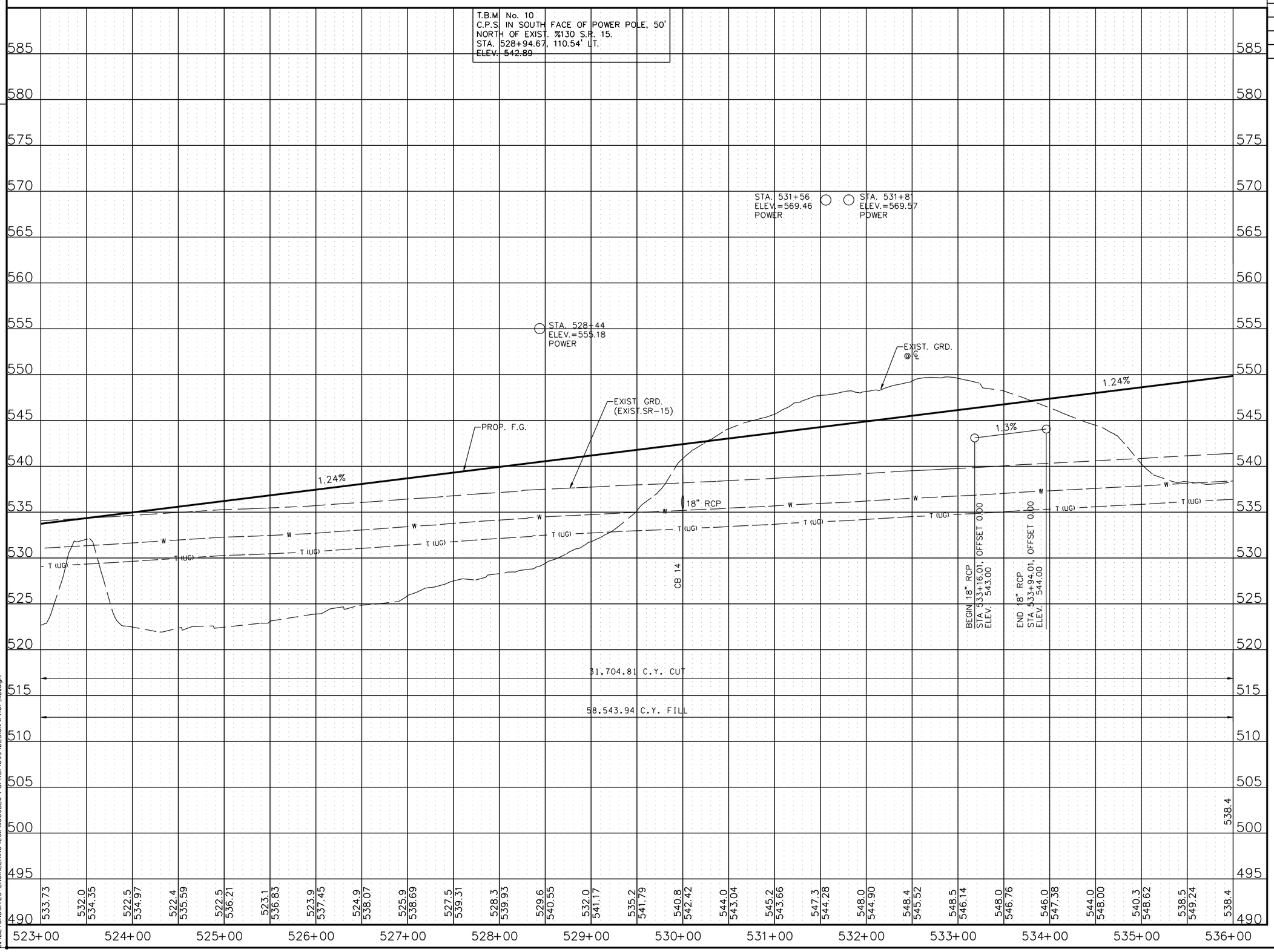
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	11C
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 523+00
TO
STA. 536+00
SCALE: 1" = 50'H, 5'V

8/6/2014
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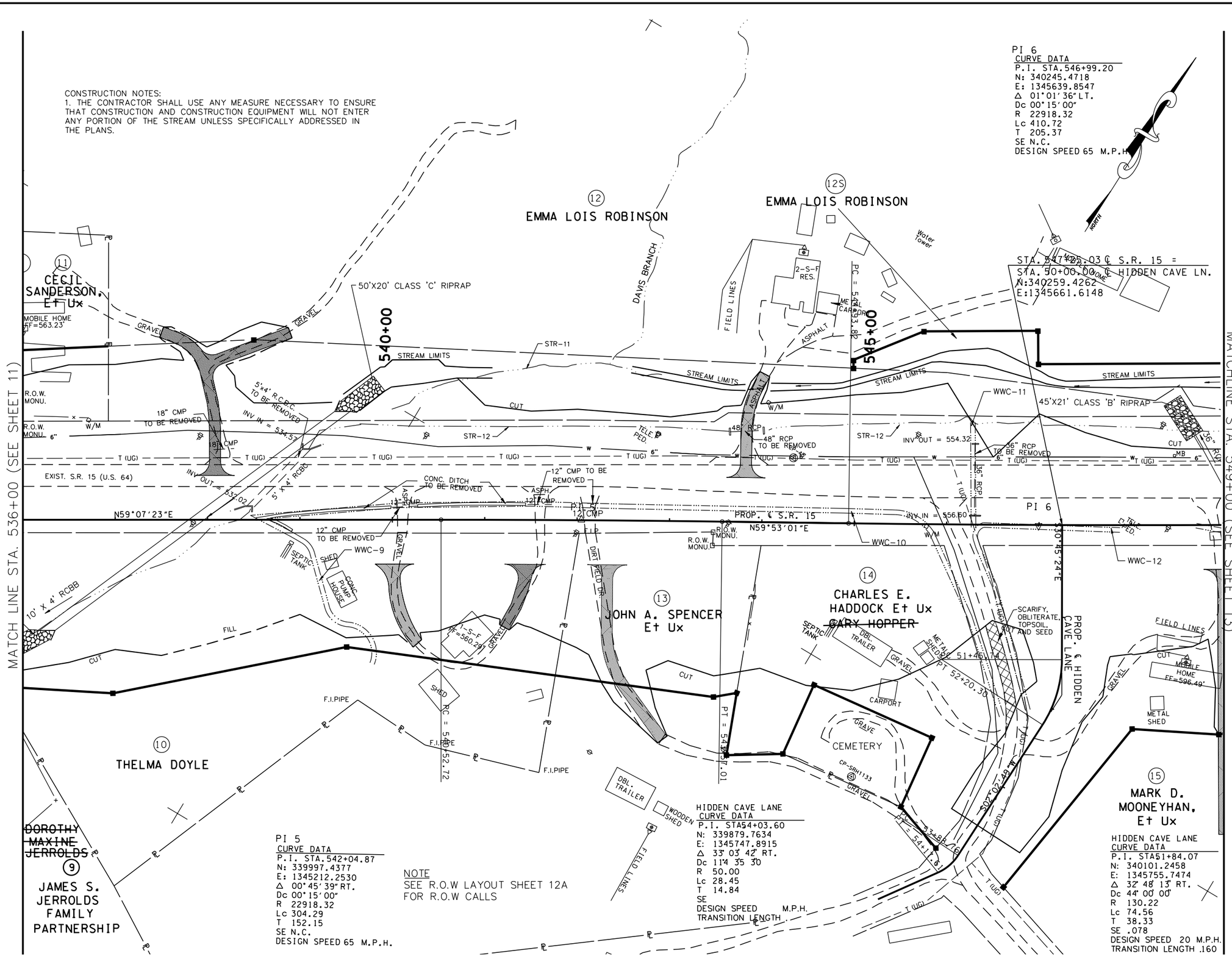
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	12
CONST	2014	36001-3290-14	

CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION AND CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE STREAM UNLESS SPECIFICALLY ADDRESSED IN THE PLANS.

PI 6
CURVE DATA
P.I. STA.546+99.20
N: 340245.4718
E: 1345639.8547
Δ 01°01'36" LT.
Dc 00°15'00"
R 22918.32
Lc 410.72
T 205.37
SE N.C.
DESIGN SPEED 65 M.P.H.

STA. 547+25.03 ℄ S.R. 15 =
STA. 50+00.00 ℄ HIDDEN CAVE LN.
N:340259.4262
E:1345661.6148



PI 5
CURVE DATA
P.I. STA.542+04.87
N: 339997.4377
E: 1345212.2530
Δ 00°45'39" RT.
Dc 00°15'00"
R 22918.32
Lc 304.29
T 152.15
SE N.C.
DESIGN SPEED 65 M.P.H.

NOTE
SEE R.O.W LAYOUT SHEET 12A FOR R.O.W CALLS

HIDDEN CAVE LANE
CURVE DATA
P.I. STA54+03.60
N: 339879.7634
E: 1345747.8915
Δ 33° 03' 42" RT.
Dc 114° 35' 30"
R 50.00
Lc 28.45
T 14.84
SE
DESIGN SPEED M.P.H.
TRANSITION LENGTH

HIDDEN CAVE LANE
CURVE DATA
P.I. STA51+84.07
N: 340101.2458
E: 1345755.7474
Δ 32° 48' 13" RT.
Dc 44° 00' 00"
R 130.22
Lc 74.56
T 38.33
SE .078
DESIGN SPEED 20 M.P.H.
TRANSITION LENGTH .160

REV. 2-08-10
ADDED S-11,S-12 &WWC-8 THRU 10
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS
REVISED DRWYS TRACTS 13 & 15
ADDED CURVE DATA PI 5 & 6
REVISED PROP. ROW TRACT 12

REV. 4-05-10
ADDED SEPTIC TANK AND FIELD LINES TRACT 11

REV. 5-01-10
REVISED COORDINATES OF CROSSROAD HIDDEN CAVE LANE.
REVISED DRIVEWAY TRACT 13
REVISED CUT SLOPE AT CEMETERY TRACT 14
EXTENDED ALIGNMENT OF CROSSROAD HIDDEN CAVE LANE

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 10 & 12

REV. 3-18-11
REVISED TRACTS 9 & 12
REVISED PROP OWNER TRACT 15
REVISED SEPTIC TANK & FIELD LINES TRACT 11
ADDED TOPO TRACT 12

REV. 4-22-11
REMOVED ROW CALL OUTS
REVISED EXIST PVMT SCARIFICATION LIMITS

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES
ADDED TRACT 12S
REMOVED ROW CALLS

REV. 5-18-12
REVISED TRACT 12S
REVISED DRIVE AT TRACT 13

REV. 7-15-13
ADDED RIPRAP

REV. 9-23-13
REVISED RIPRAP FOR CULVERT AT STA. 537+80

BIRDEL T. JACKSON III
REGISTERED ENGINEER
No. 112000
STATE OF TENNESSEE
8/16/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 536+00
TO
STA. 549+00
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	12A
CONST	2014	36001-3290-14	

REV. 2-08-10

REVISED EXIST. SURVEY DATA TRACTS 10, 12, 13 & 14

REVISED PROP ROW DATA TRACTS 10, 14 & 15

REV. 5-01-10

REVISED COORDINATES OF CROSSROAD HIDDEN CAVE LANE

REVISED DRIVEWAY TRACT 13

REVISED STA. & OFFSET PROP ROW TRACT 14

REVISED CUT SLOPE AT CEMETERY TRACT 14

REMOVED PROP ROW LABEL AT WESTERN PROP LINE TRACT 14

REVISED STA. & OFFSET EXIST & PROP ROW TRACTS 14 & 15

EXTENDED ALIGNMENT OF CROSSROAD HIDDEN CAVE LANE

REV. 5-26-10

REVISED C/F LIMITS DRWY TRACTS 10 & 12

REV. 3-18-11

REVISED TRACTS 9 & 12

REVISED PROP OWNER TRACT 15

REV. 4-22-11

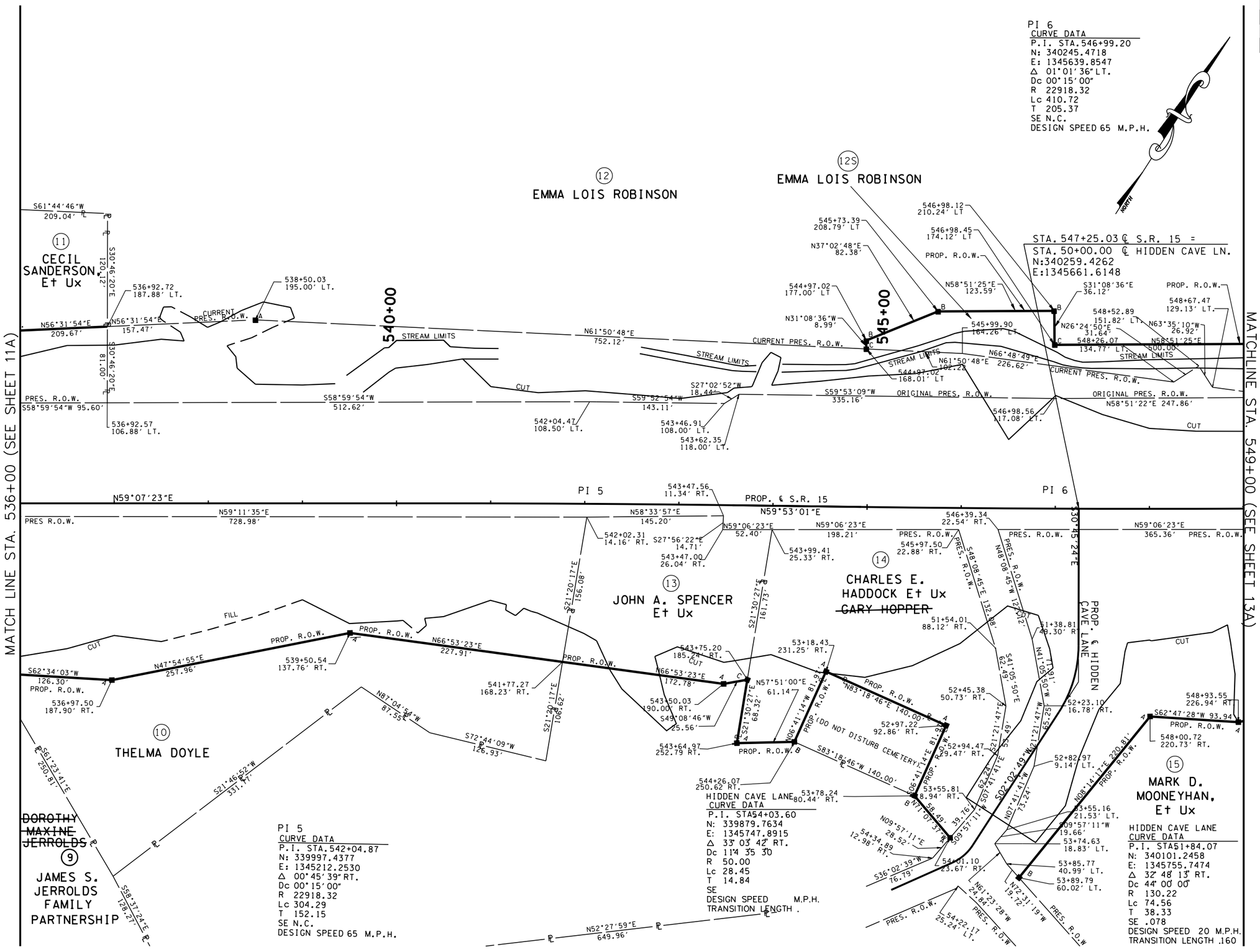
REMOVED FEATURES NOT NEEDED

REV. 2-24-12

ADDED TRACT 12S

REV. 5-18-12

REVISED TRACT 12S



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 536+00
TO
STA. 549+00
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	12B
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-11,S-12 & WWC-8 THRU 10
REVISED DRWY TRACT 13 & 15

REV. 5-01-10
REVISED COORDINATES OF CROSSROAD HIDDEN CAVE LANE
REVISED DRIVEWAY TRACT 13
REVISED CUT SLOPE AT CEMETERY TRACT 14
EXTENDED ALIGNMENT OF CROSSROAD HIDDEN CAVE LANE

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 10 & 12

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

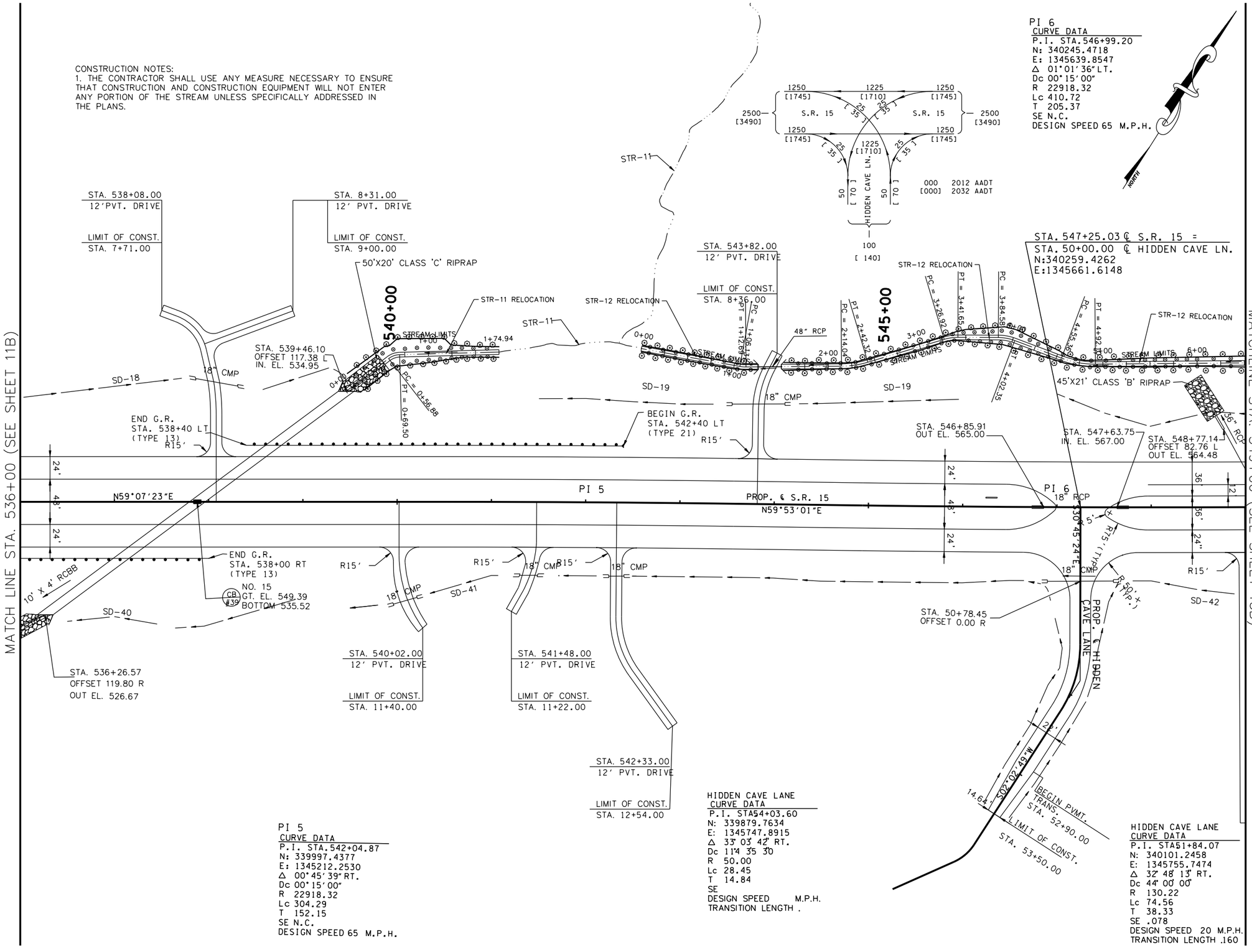
REV. 5-18-12
REVISED DRIVE AT TRACT 13

REV. 11-12-12
ADDED TURN LANE AND TURN LANE WIDTH

REV. 7-15-13
ADDED RIPRAP

REV. 9-23-13
ADDED TEMP. PIPE

CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION AND CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE STREAM UNLESS SPECIFICALLY ADDRESSED IN THE PLANS.



PI 5
CURVE DATA
P.I. STA.542+04.87
N: 339997.4377
E: 1345212.2530
Δ 00°45'39" RT.
Dc 00°15'00"
R 22918.32
Lc 304.29
T 152.15
SE N.C.
DESIGN SPEED 65 M.P.H.

HIDDEN CAVE LANE
CURVE DATA
P.I. STA54+03.60
N: 339879.7634
E: 1345747.8915
Δ 33° 03' 42" RT.
Dc 114 35 30
R 50.00
Lc 28.45
T 14.84
SE
DESIGN SPEED M.P.H.
TRANSITION LENGTH .

HIDDEN CAVE LANE
CURVE DATA
P.I. STA51+84.07
N: 340101.2458
E: 1345755.7474
Δ 32° 48' 13" RT.
Dc 44° 00' 00"
R 130.22
Lc 74.56
T 38.33
SE .078
DESIGN SPEED 20 M.P.H.
TRANSITION LENGTH .160

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 536+00
TO
STA. 549+00
SCALE: 1" = 50'

8/16/2014
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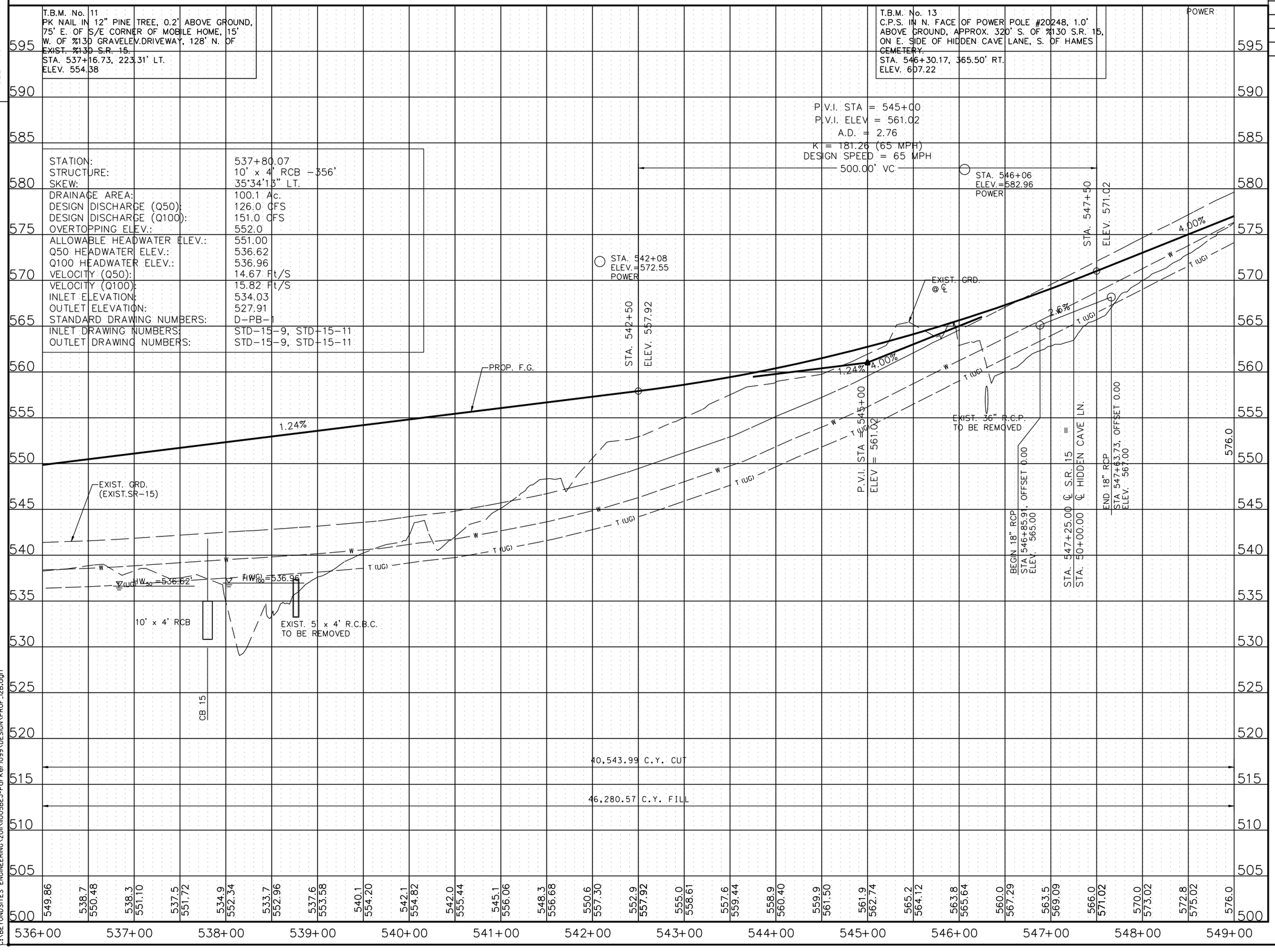
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	12C
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 536+00
TO
STA. 549+00
SCALE: 1" = 50'H, 5'V

8/16/2014
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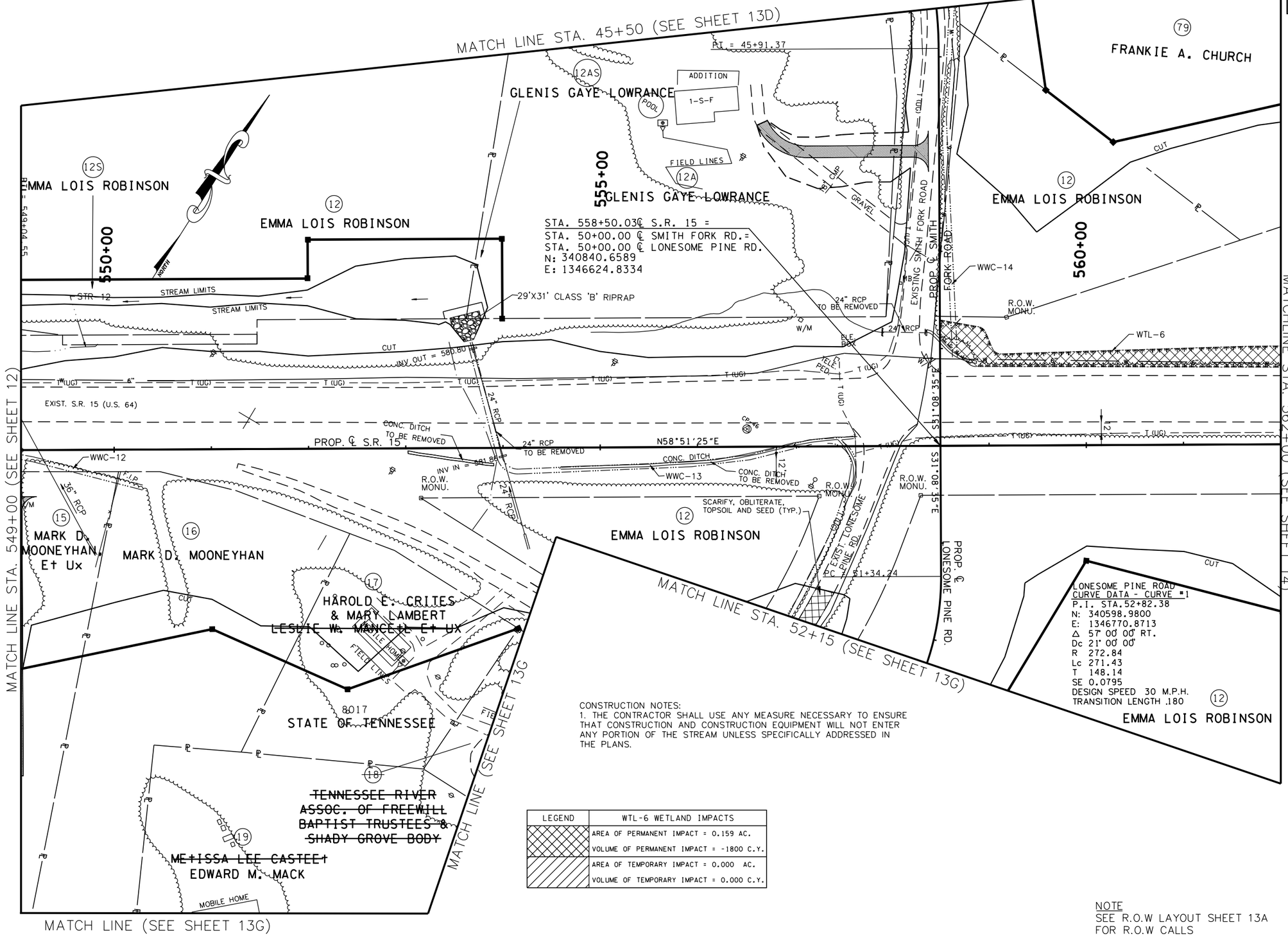
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	13
CONST	2014	36001-3290-14	



CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION AND CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE STREAM UNLESS SPECIFICALLY ADDRESSED IN THE PLANS.

LEGEND	WTL-6 WETLAND IMPACTS
	AREA OF PERMANENT IMPACT = 0.159 AC.
	VOLUME OF PERMANENT IMPACT = -1800 C.Y.
	AREA OF TEMPORARY IMPACT = 0.000 AC.
	VOLUME OF TEMPORARY IMPACT = 0.000 C.Y.

NOTE
SEE R.O.W LAYOUT SHEET 13A
FOR R.O.W CALLS

REV. 2-08-10
ADDED S-12, WWC-11 THRU WWC-14
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS
REVISED PROP. ROW TRACT 12 & 12A

REV. 5-01-10
ADDED Z BAR TRACT 12

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACT 12A
ADDED Z BAR TRACT 12

REV. 3-18-11
REVISED PROP OWNER TRACTS 15 & 16
ADDED TRACT 8017

REV. 4-22-11
REMOVED ROW CALL OUTS

REV. 5-31-11
REVISED PROP OWNER TRACT 79

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES
ADDED TRACTS 12S AND 12AS
REMOVED ROW CALLS

BIRDIE F. JACKSON III
STATE OF TENNESSEE
8-16-2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 549+00
TO
STA. 562+00
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	13A
CONST	2014	36001-3290-14	

REV. 2-08-10
REVISED EXIST. SURVEY DATA TRACTS 15,16 & 12
REVISED PROP. ROW TRACT 12

REV. 4-05-10
REVISED EXIST ROW TRACTS 12 & 12A
ADDED PROP ROW DIST AND BRG'S TRACTS 12 & 12A

REV. 5-01-10
REVISED STA. & OFFSET PROP ROW TRACT 12
REVISED STA. & OFFSET EXIST ROW TRACTS 12 & 12A

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACT 12A
ADDED Z BAR TRACT 12

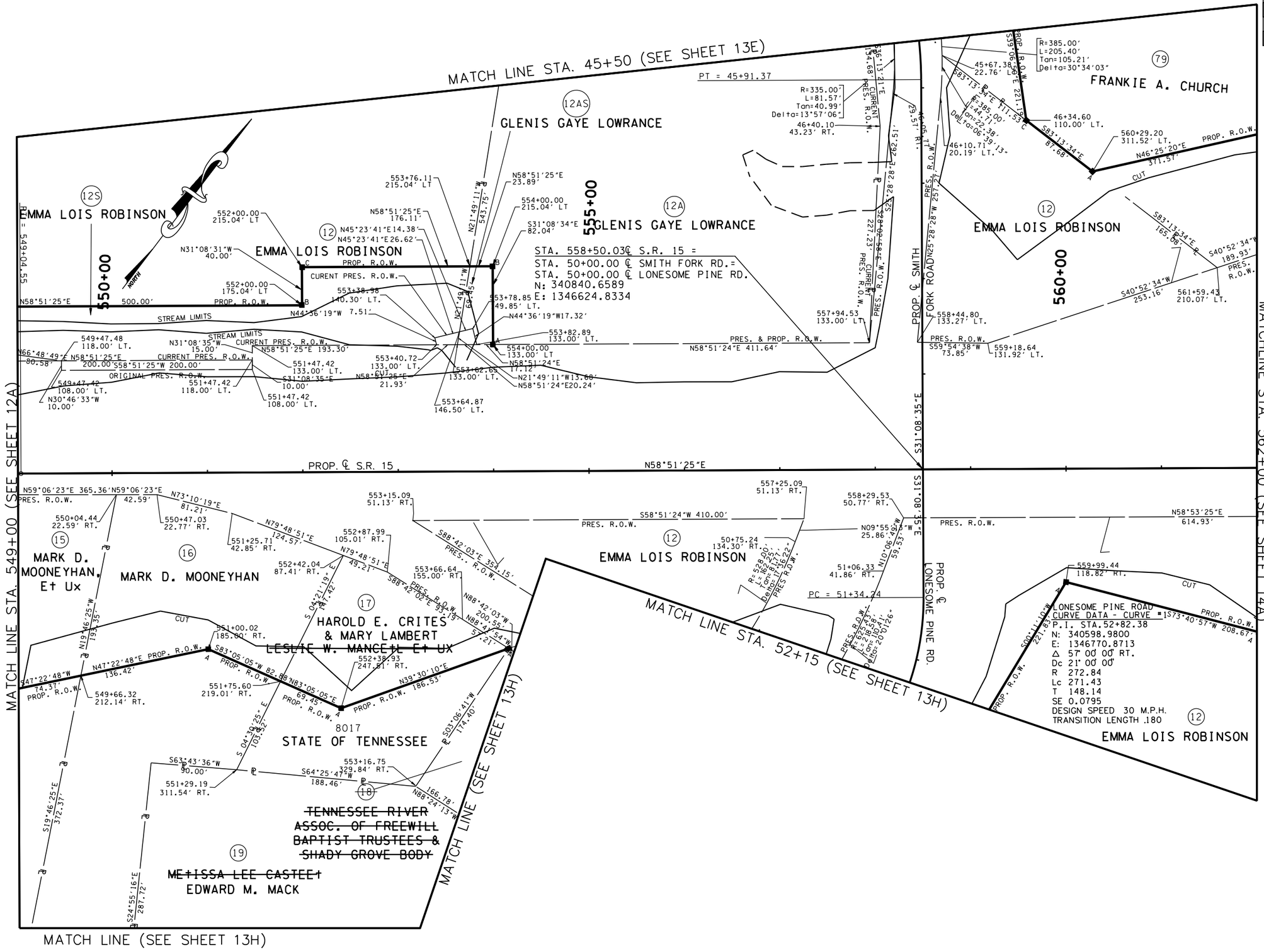
REV. 1-12-11
ADDED STA & OFFSETS TRACT 17

REV. 3-18-11
REVISED PROP OWNER TRACTS 15 & 16
ADDED TRACT 8017

REV. 4-22-11
REMOVED FEATURES NOT NEEDED

REV. 5-31-11
REVISED PROP OWNER TRACT 79

REV. 2-24-12
ADDED TRACTS 12S AND 12AS



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 549+00
TO
STA. 562+00
SCALE: 1" = 50'

8/6/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

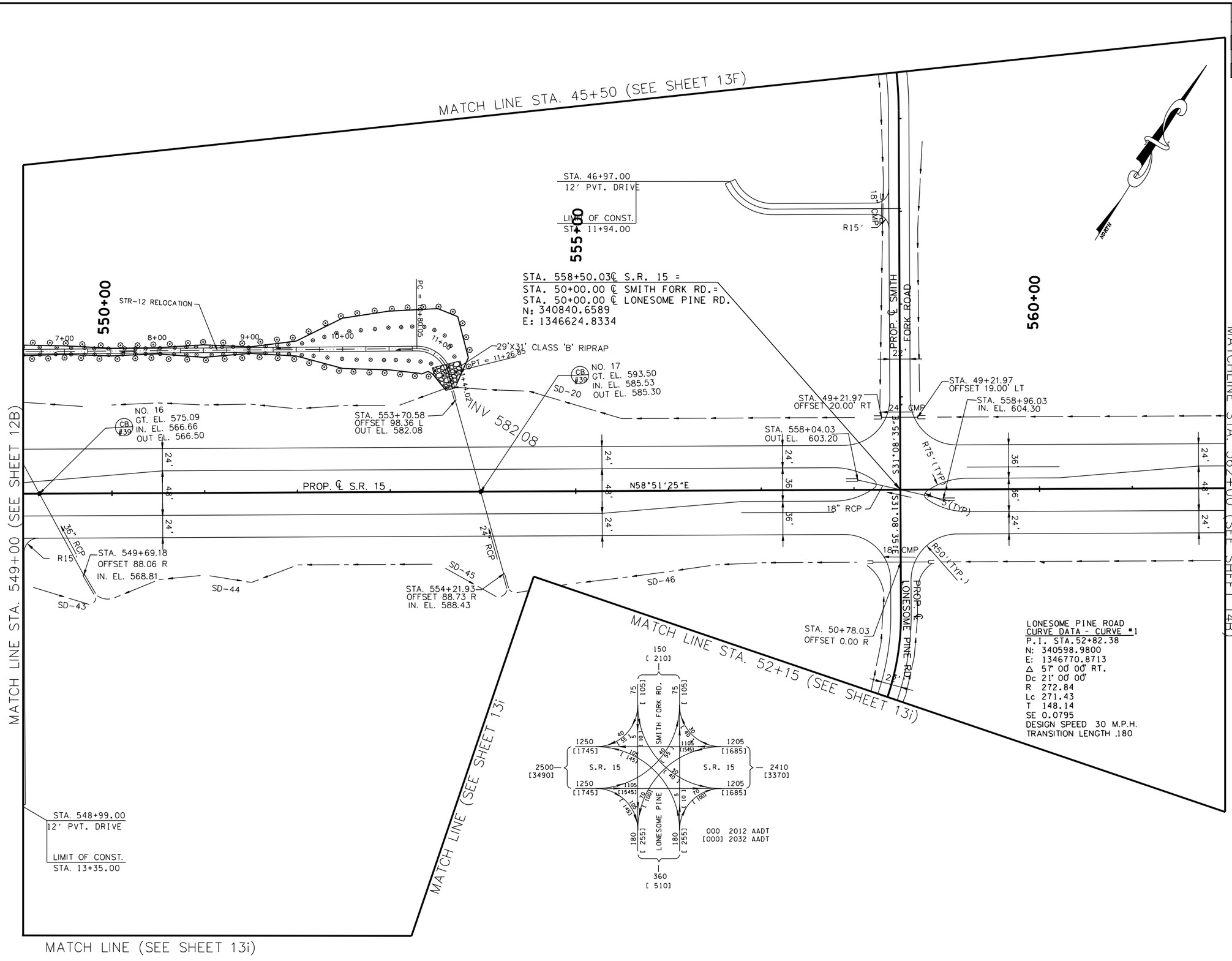
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	13B
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-12, WWC-11 THRU 14

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACT 12A

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

REV. 10-XX-12
ADDED TURN LANES AND TURN LANE WIDTHS



LONESOME PINE ROAD
CURVE DATA - CURVE #1
P.I. STA.52+82.38
N: 340598.9800
E: 1346770.8713
Δ 57° 00' 00" RT.
Dc 21° 00' 00"
R 272.84
Lc 271.43
T 148.14
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .180

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 549+00
TO
STA. 562+00
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	13C
CONST	2014	36001-3290-14	

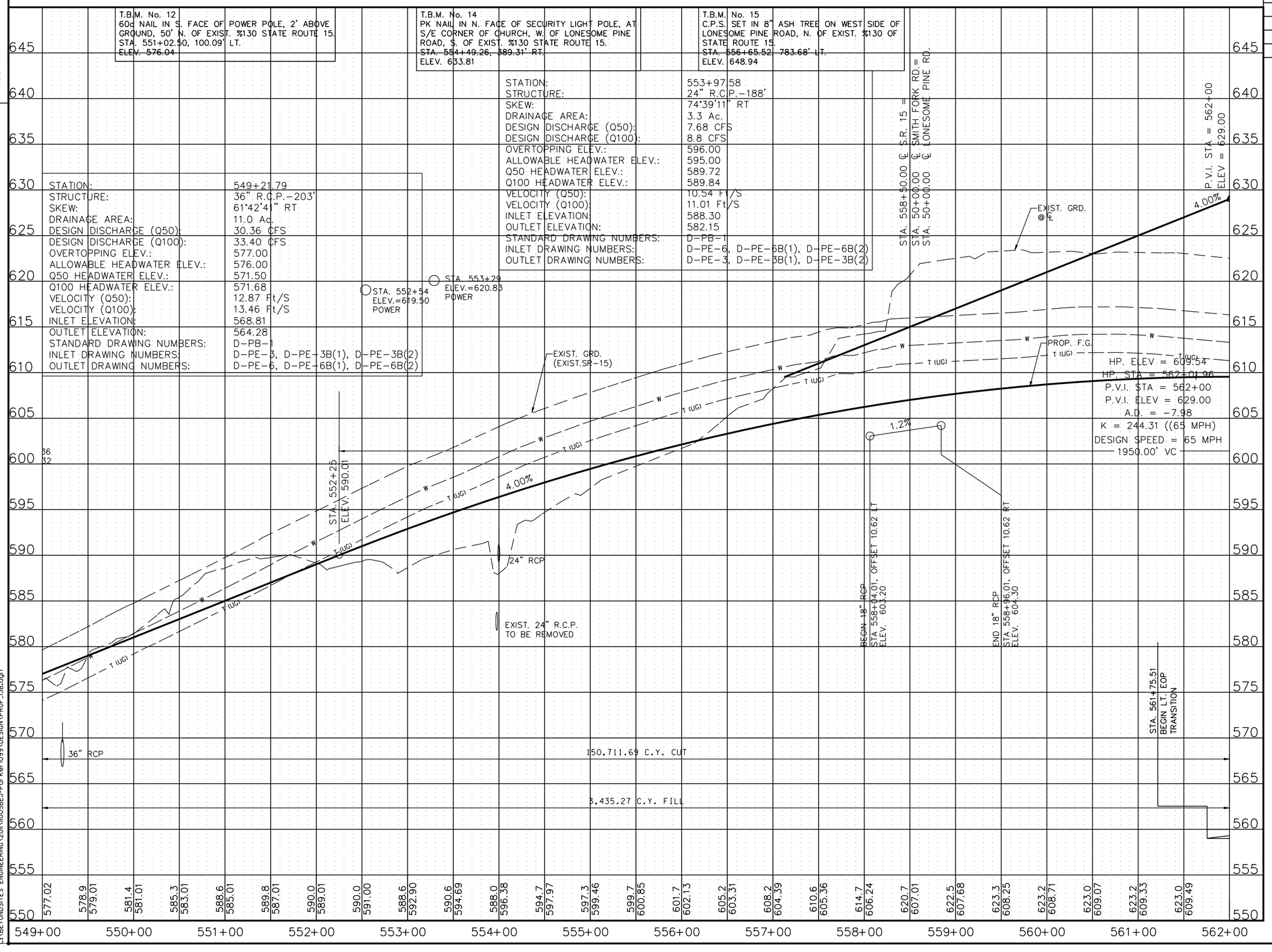
T.B.M. No. 12
60d NAIL IN S. FACE OF POWER POLE, 2' ABOVE GROUND, 50' N. OF EXIST. ℄130 STATE ROUTE 15.
STA. 551+02.50, 100.09' LT.
ELEV. 576.04

T.B.M. No. 14
PK NAIL IN N. FACE OF SECURITY LIGHT POLE, AT S/E CORNER OF CHURCH, W. OF LONESOME PINE ROAD, S. OF EXIST. ℄130 STATE ROUTE 15.
STA. 554+49.26, 389.31' RT.
ELEV. 633.81

T.B.M. No. 15
C.P.S. SET IN 8" ASH TREE ON WEST SIDE OF LONESOME PINE ROAD, N. OF EXIST. ℄130 OF STATE ROUTE 15.
STA. 556+65.52, 783.68' LT.
ELEV. 648.94

STATION:	549+21.79
STRUCTURE:	36" R.C.P.-203'
SKEW:	61°42'41" RT
DRAINAGE AREA:	11.0 Ac.
DESIGN DISCHARGE (Q50):	30.36 CFS
DESIGN DISCHARGE (Q100):	33.40 CFS
OVERTOPPING ELEV.:	577.00
ALLOWABLE HEADWATER ELEV.:	576.00
Q50 HEADWATER ELEV.:	571.50
Q100 HEADWATER ELEV.:	571.68
VELOCITY (Q50):	12.87 Ft/S
VELOCITY (Q100):	13.46 Ft/S
INLET ELEVATION:	568.81
OUTLET ELEVATION:	564.28
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-3, D-PE-3B(1), D-PE-3B(2)
OUTLET DRAWING NUMBERS:	D-PE-6, D-PE-6B(1), D-PE-6B(2)

STATION:	553+97.58
STRUCTURE:	24" R.C.P.-188'
SKEW:	74°39'11" RT
DRAINAGE AREA:	3.3 Ac.
DESIGN DISCHARGE (Q50):	7.68 CFS
DESIGN DISCHARGE (Q100):	8.8 CFS
OVERTOPPING ELEV.:	596.00
ALLOWABLE HEADWATER ELEV.:	595.00
Q50 HEADWATER ELEV.:	589.72
Q100 HEADWATER ELEV.:	589.84
VELOCITY (Q50):	10.54 Ft/S
VELOCITY (Q100):	11.01 Ft/S
INLET ELEVATION:	588.30
OUTLET ELEVATION:	582.15
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-6, D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-3, D-PE-3B(1), D-PE-3B(2)



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 549+00
TO
STA. 562+00
SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	13D
CONST	2014	36001-3290-14	

REV. 2-08-10

REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS

REMOVED Z BAR TRACT 21-79

REV. 3-18-11

ADDED EXIST DRWY TRACT 79

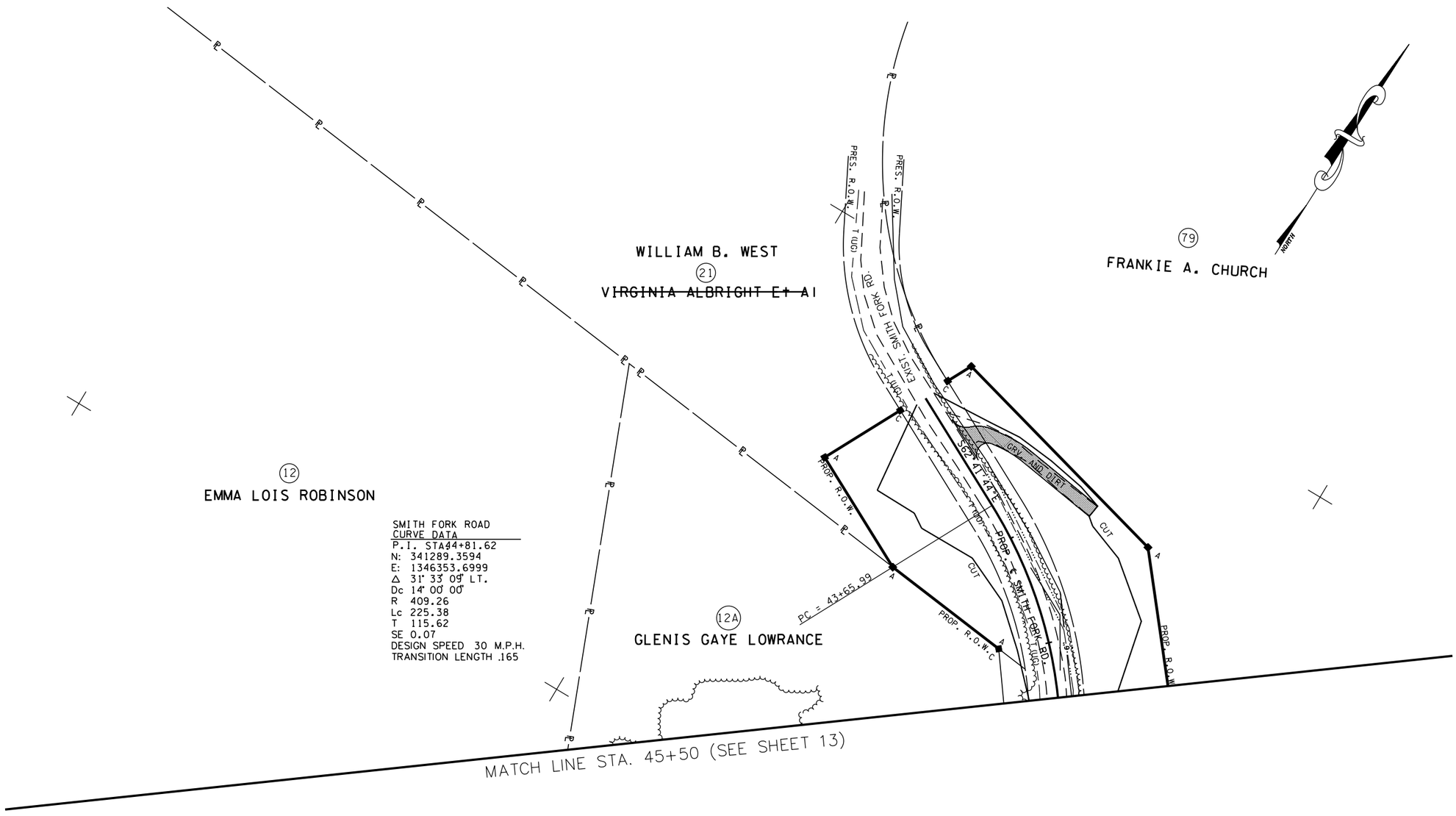
ADDED NEW DRWY TRACT 79

REV. 4-22-11

REMOVED ROW CALL OUTS

REV. 5-31-11

REVISED PROP OWNER TRACT 79



SMITH FORK ROAD
CURVE DATA

P.I. STA44+81.62
N: 341289.3594
E: 1346353.6999
Δ 31° 33' 09" LT.
Dc 14° 00' 00"
R 409.26
Lc 225.38
T 115.62
SE 0.07
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .165

NOTE
SEE R.O.W LAYOUT SHEET 13E
FOR R.O.W CALLS

COORDINATE VALUES ARE NAD/83(1995)
AND ARE DATUM ADJUSTED BY THE
FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
SMITH FORK
ROAD

SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	13E
CONST	2014	36001-3290-14	

REV. 2-08-10

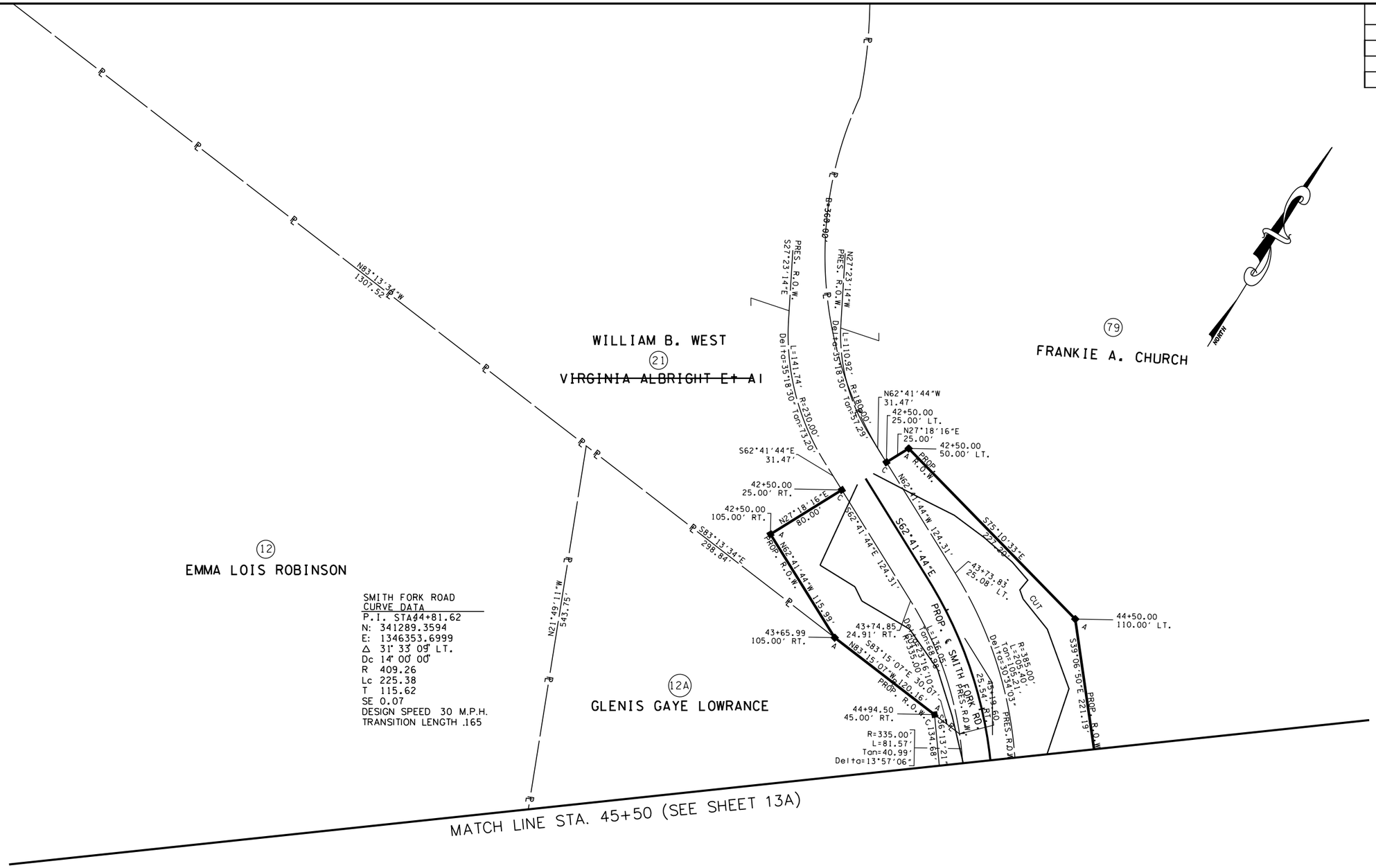
REMOVED Z BAR TRACTS 21-79

REV. 4-22-11

REMOVED FEATURES NOT NEEDED

REV. 5-31-11

REVISED PROP OWNER TRACT 79



SMITH FORK ROAD
CURVE DATA

P.I. STA 44+81.62
N: 341289.3594
E: 1346353.6999
Δ 31° 33' 09" LT.
Dc 14° 00' 00"
R 409.26
Lc 225.38
T 115.62
SE 0.07
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .165

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT

SMITH FORK ROAD

SCALE: 1" = 50'

8/16/2014
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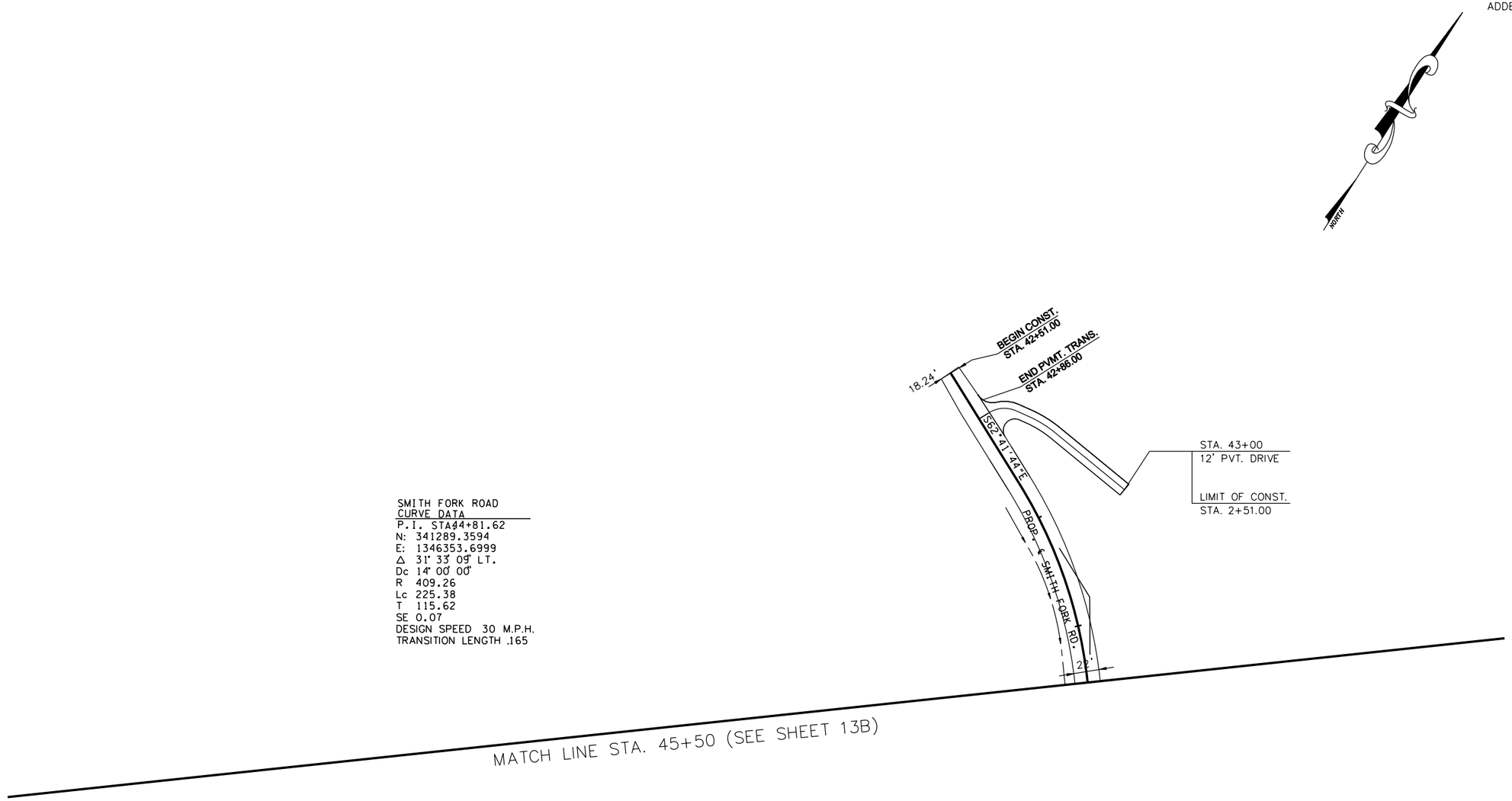
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	13F
CONST	2014	36001-3290-14	

REV. 3-18-11

ADDED DRWY TRACT 79



SMITH FORK ROAD
CURVE DATA
P.I. STA 44+81.62
N: 341289.3594
E: 1346353.6999
Δ 31° 33' 09" LT.
Dc 14° 00' 00"
R 409.26
Lc 225.38
T 115.62
SE 0.07
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .165

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
SMITH FORK
ROAD

SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	13G
CONST	2014	36001-3290-14	

REV. 2-08-10
CHANGED PROP. OWNER TRACT 69
REVISED DRWY'S TRACTS 20 & 78
REMOVED MOBILE HOME TRACT 76-69
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS

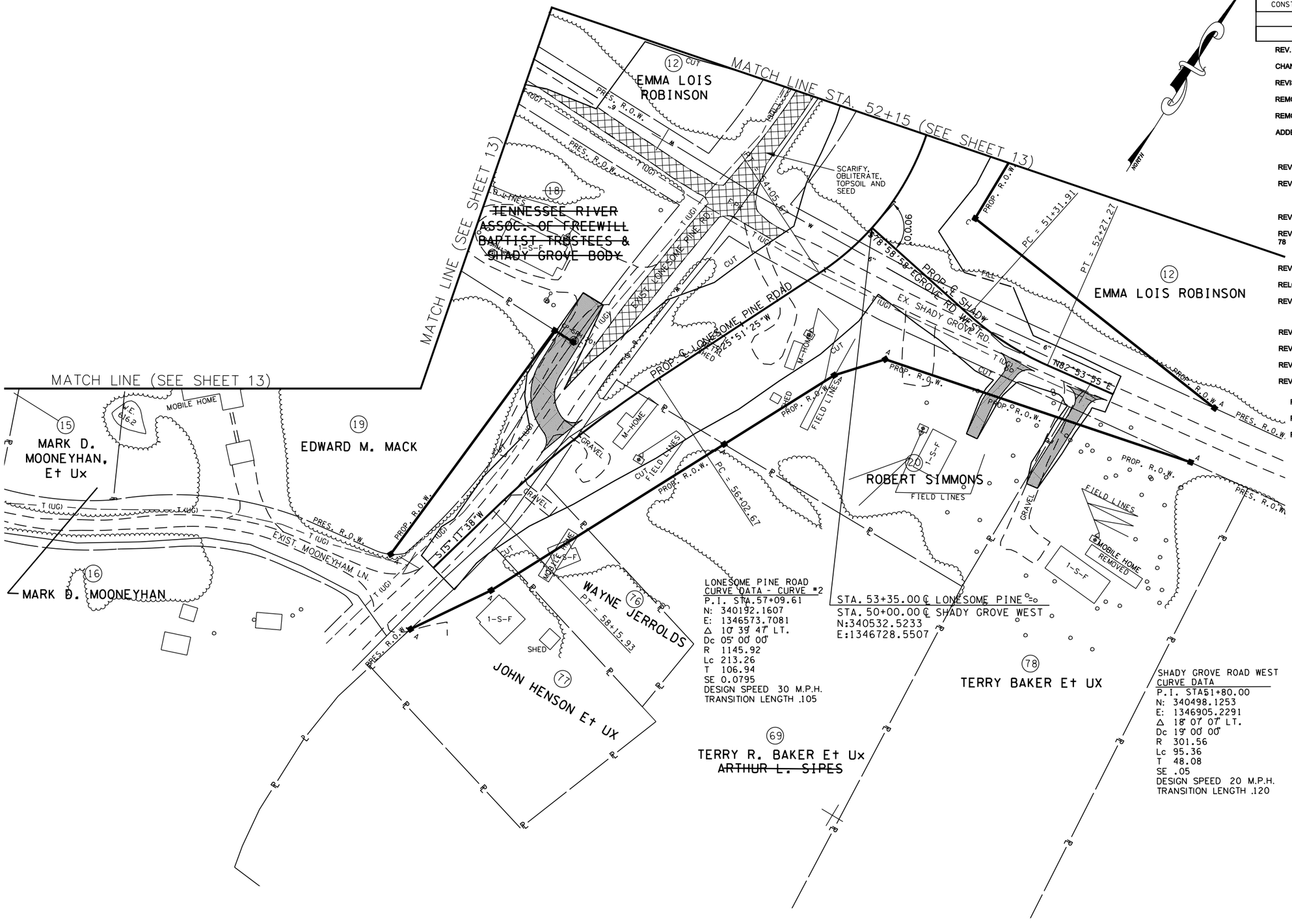
REV. 5-01-10
REVISED DRIVEWAY TRACT 18

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 69 & 78

REV. 1-12-11
RELOCATED DRIVEWAY TRACT 18
REVISED C/F LIMITS DRWY TRACT 19

REV. 3-18-11
REVISED PROP OWNER TRACT 15 & 16
REVISED TRACTS 76, 77 & 69
REVISED PROP DRWY TRACTS 18 & 19

REV. 4-22-11
REMOVED ROW CALL OUTS
REVISED EXIST PVMT SCARIFICATION LIMITS



LONESOME PINE ROAD
CURVE DATA - CURVE #2
P.I. STA.57+09.61
N: 3401192.1607
E: 1346573.7081
Δ 10° 39' 47" LT.
Dc 05° 00' 00"
R 1145.92
Lc 213.26
T 106.94
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .105

STA. 53+35.00 ℄ LONESOME PINE
STA. 50+00.00 ℄ SHADY GROVE WEST
N:340532.5233
E:1346728.5507

SHADY GROVE ROAD WEST
CURVE DATA
P.I. STA51+80.00
N: 340498.1253
E: 1346905.2291
Δ 18° 07' 07" LT.
Dc 19° 00' 00"
R 301.56
Lc 95.36
T 48.08
SE .05
DESIGN SPEED 20 M.P.H.
TRANSITION LENGTH .120

NOTE
SEE R.O.W LAYOUT SHEET 13H
FOR R.O.W CALLS

BIRDEL F. JACKSON III
STATE OF TENNESSEE
8/6/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
LONESOME PINE ROAD
AND
SHADY GROVE ROAD WEST
SCALE: 1" = 50'

8/6/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	13H
CONST	2014	36001-3290-14	

REV. 2-08-10

CHANGED PROP. OWNER TRACT 69

REV. 5-26-10

REVISED C/F LIMITS DRWY TRACTS 69 & 78

REV. 1-12-11

RELOCATED DRIVEWAY TRACT 18

REVISED C/F LIMITS DRWY TRACT 19

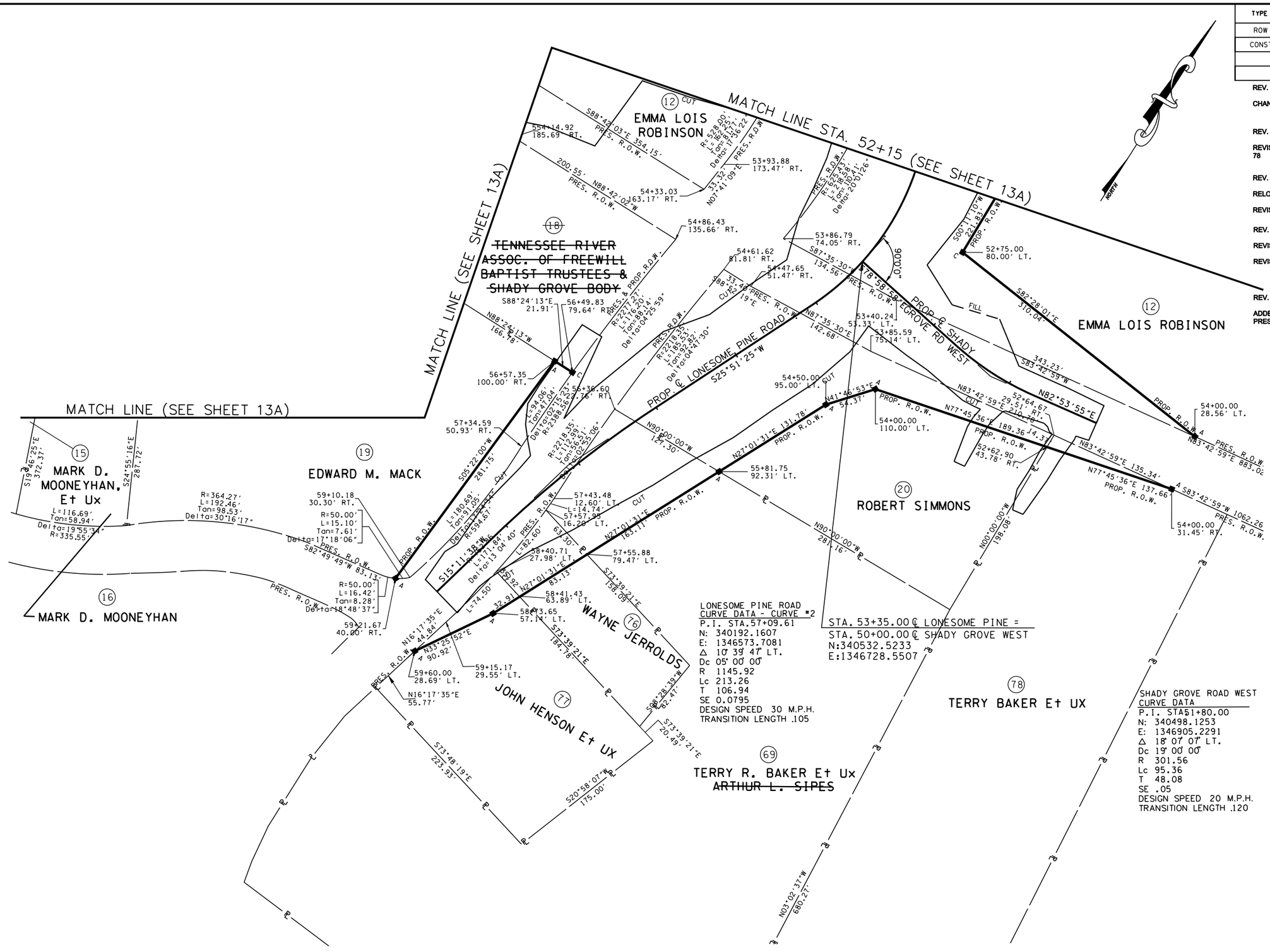
REV. 3-18-11

REVISED PROP OWNER TRACTS 15 & 16

REVISED TRACTS 76, 77 & 69

REV. 4-22-11

ADDED ROW CALL OUTS PROPERTY LINES & PRESENT ROW TRACTS 69, 76 & 77



LONESOME PINE ROAD
CURVE DATA - CURVE #2
P.I. STA.57+09.61
N: 340192.1607
E: 1346573.7081
Δ 10° 39' 47" LT.
Dc 05° 00' 00"
R 1145.92
Lc 213.26
T 106.94
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .105

STA. 53+35.00 ℄ LONESOME PINE =
STA. 50+00.00 ℄ SHADY GROVE WEST
N:340532.5233
E:1346728.5507

SHADY GROVE ROAD WEST
CURVE DATA
P.I. STA51+80.00
N: 340498.1253
E: 1346905.2291
Δ 18° 07' 07" LT.
Dc 19° 00' 00"
R 301.56
Lc 95.36
T 48.08
SE .05
DESIGN SPEED 20 M.P.H.
TRANSITION LENGTH .120

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
LONESOME PINE ROAD
AND
SHADY GROVE ROAD WEST
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	13i
CONST	2014	36001-3290-14	

REV. 2-08-10

REVISED DRWY'S TRACTS 20 & 78

REV. 5-01-10

ADDED CURVE AND ALIGNMENT DATA

REV. 5-26-10

REVISED C/F LIMITS DRWY TRACTS 69 & 78

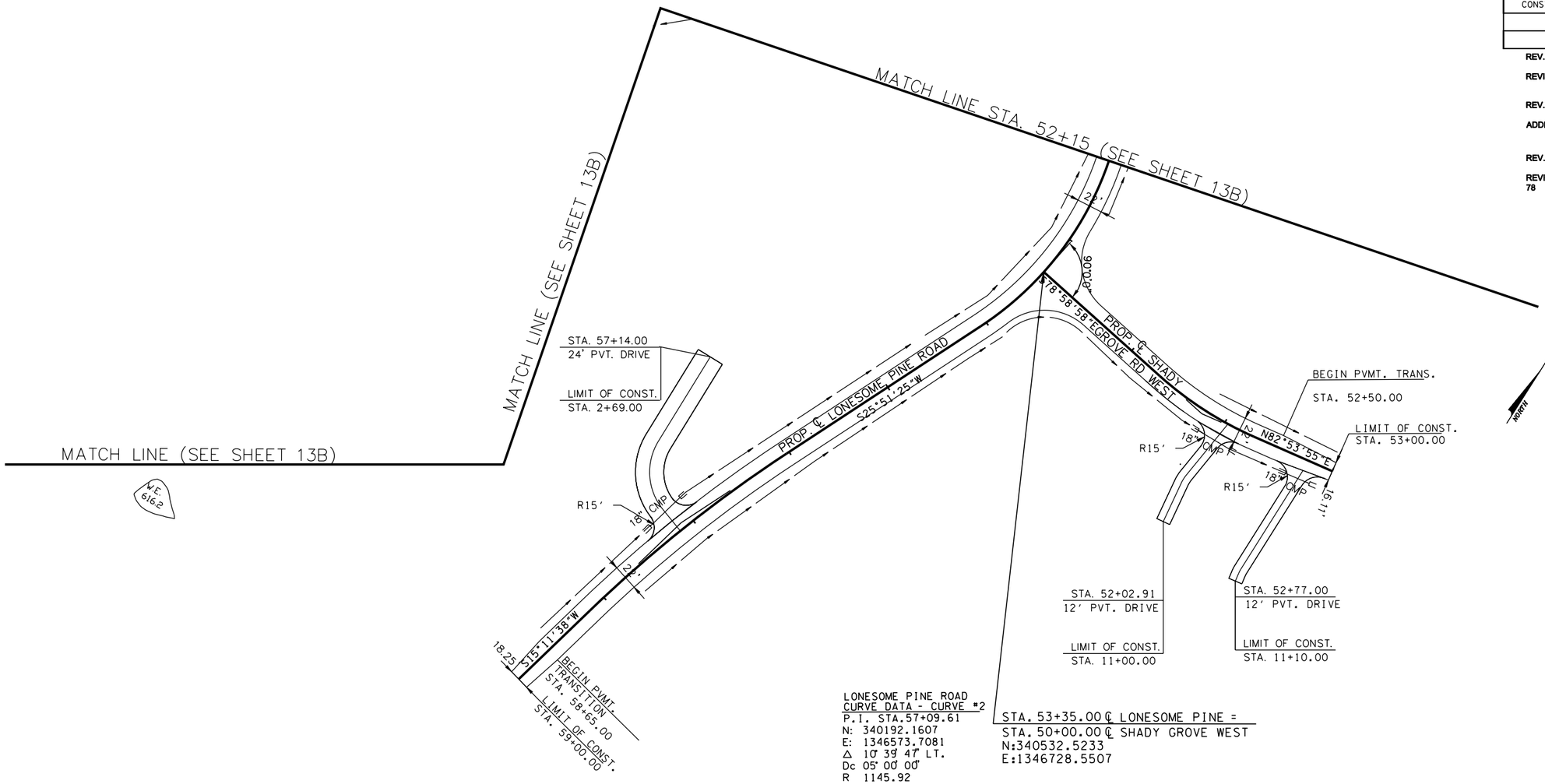
REV. 1-12-11

RELOCATED DRIVEWAY TRACT 18

REVISED C/F LIMITS DRWY TRACT 19

REV. 3-18-11

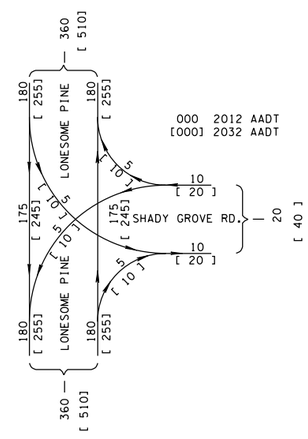
REVISED DRWY TRACTS 18 & 19



LONESOME PINE ROAD
CURVE DATA - CURVE #2
P.I. STA.57+09.61
N: 340192.1607
E: 1346573.7081
Δ 10° 39' 47" LT.
Dc 05° 00' 00"
R 1145.92
Lc 213.26
T 106.94
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .105

STA. 53+35.00 ℄ LONESOME PINE =
STA. 50+00.00 ℄ SHADY GROVE WEST
N:340532.5233
E:1346728.5507

SHADY GROVE ROAD WEST
CURVE DATA
P.I. STA51+80.00
N: 340498.1253
E: 1346905.2291
Δ 18° 07' 07" LT.
Dc 19° 00' 00"
R 301.56
Lc 95.36
T 48.08
SE .05
DESIGN SPEED 20 M.P.H.
TRANSITION LENGTH .120



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
LONESOME PINE ROAD
AND
SHADY GROVE ROAD WEST
SCALE: 1" = 50'

8/16/2014
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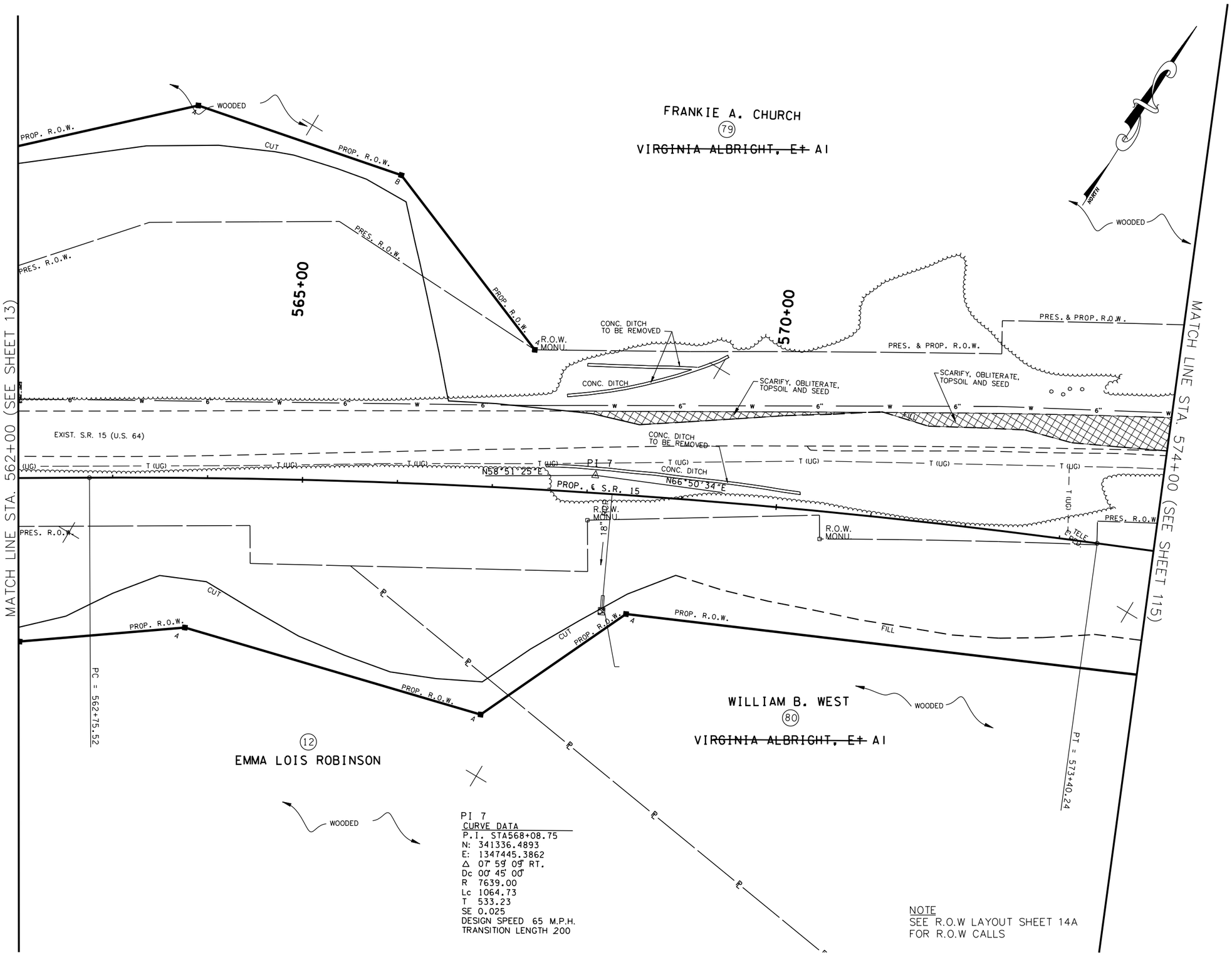
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	14
CONST	2014	36001-3290-14	

REV. 2-08-10
REVISED EXIST. SURVEY DATA TRACT 79
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS

REV. 4-22-11
REMOVED ROW CALL OUTS

REV. 5-31-11
REVISED PROP OWNER TRACT 79



PI 7
CURVE DATA
P.I. STA568+08.75
N: 341336.4893
E: 1347445.3862
Δ 07° 59' 09" RT.
Dc 00° 45' 00"
R 7639.00
Lc 1064.73
T 533.23
SE 0.025
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

NOTE
SEE R.O.W LAYOUT SHEET 14A
FOR R.O.W CALLS

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 562+00
TO
STA. 574+00
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	14A
CONST	2014	36001-3290-14	

REV. 2-08-10

REVISED EXIST. SURVEY DATA TRACT 12, 79 & 80

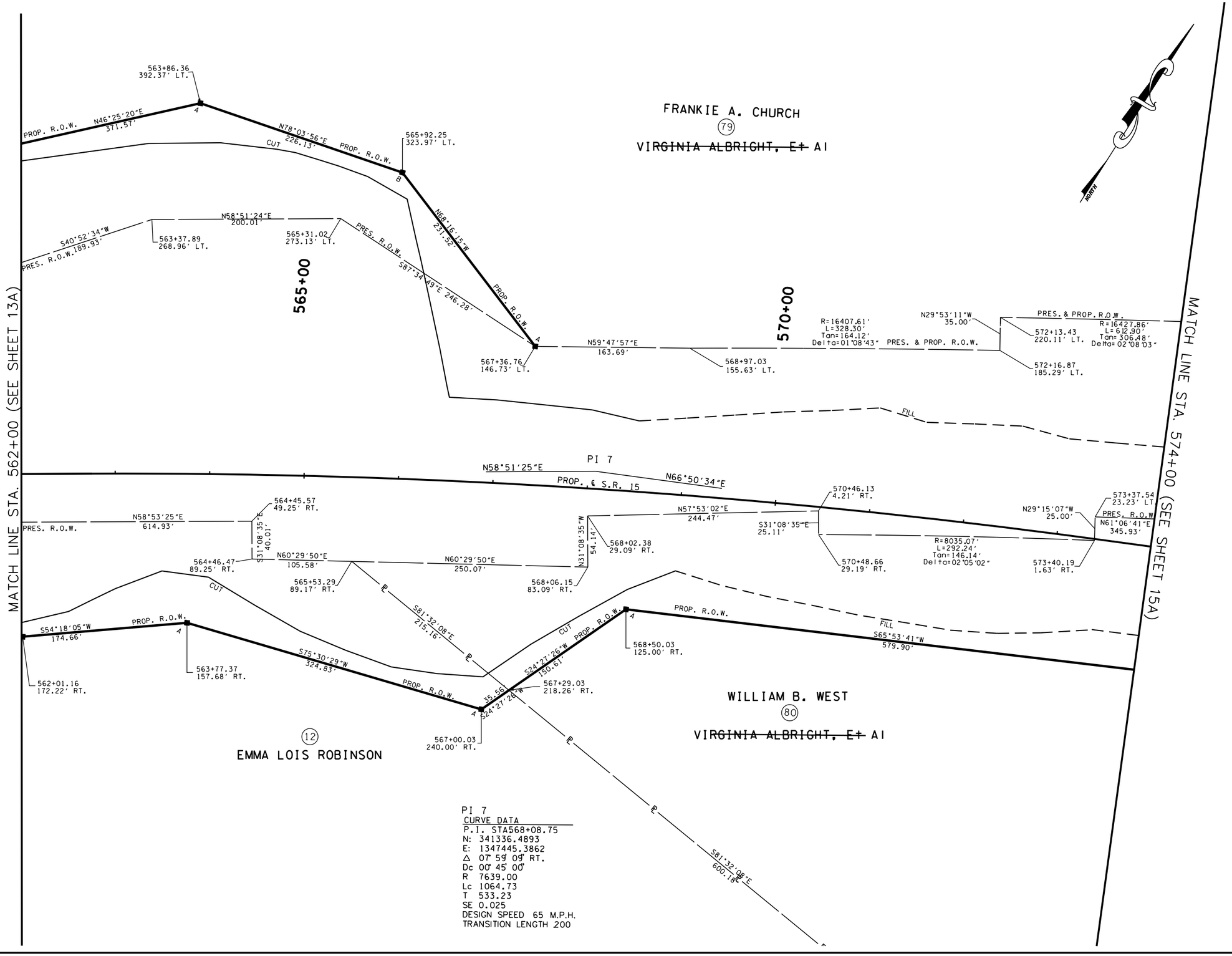
REVISED PROP ROW TRACTS 12 & 80

REV. 4-22-11

REMOVED FEATURES NOT NEEDED

REV. 5-31-11

REVISED PROP OWNER TRACT 79



PI 7
CURVE DATA
P.I. STA568+08.75
N: 341336.4893
E: 1347445.3862
Δ 07° 59' 09" RT.
Dc 00° 45' 00"
R 7639.00
Lc 1064.73
T 533.23
SE 0.025
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 562+00
TO
STA. 574+00
SCALE: 1" = 50'

8/16/2014
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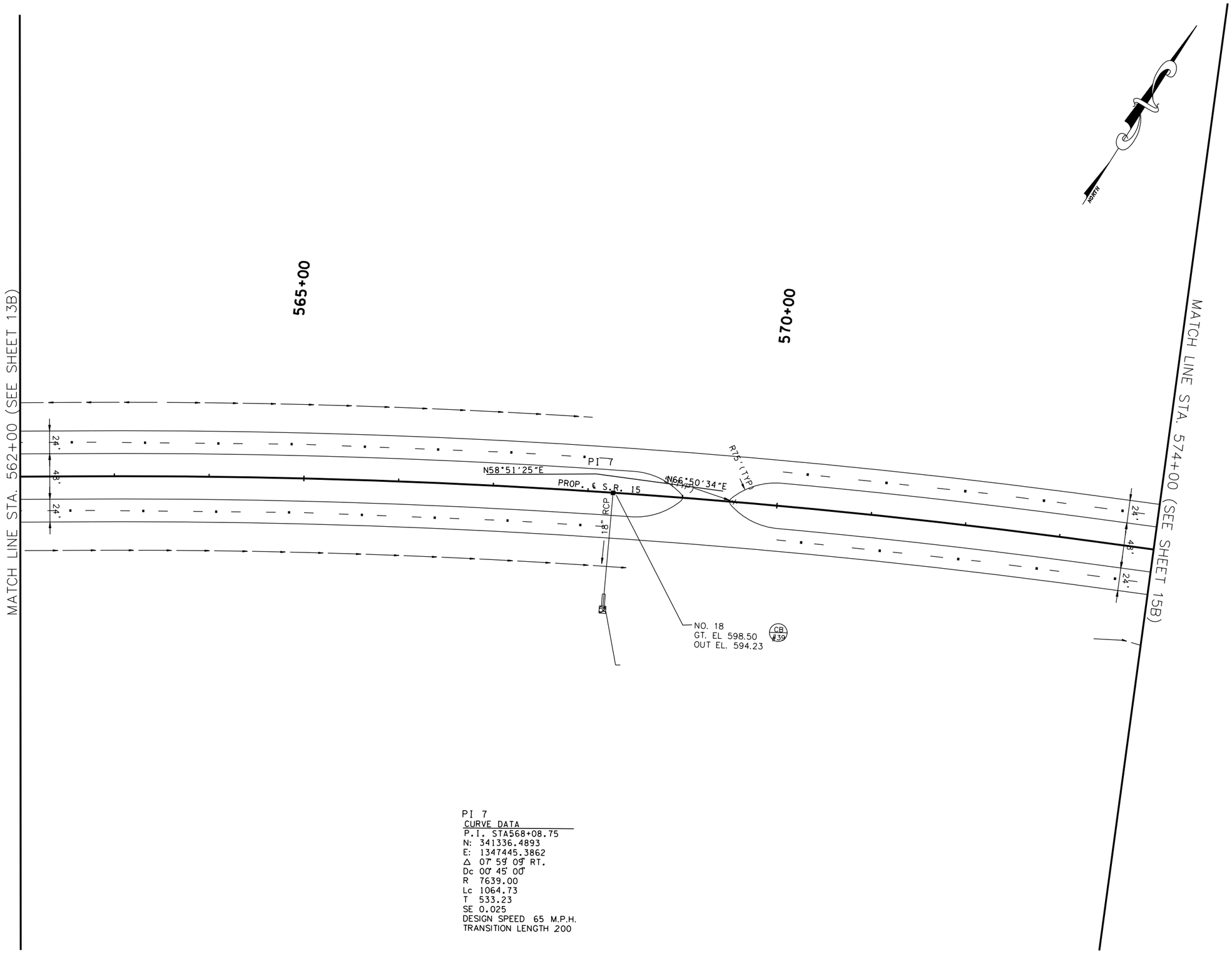
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	14B
CONST	2014	36001-3290-14	

3-18-14

REVISED CATCH BASIN #39



PI 7
CURVE DATA

P.I. STA568+08.75
N: 341336.4893
E: 1347445.3862
Δ 07° 59' 09" RT.
Dc 00° 45' 00"
R 7639.00
Lc 1064.73
T 533.23
SE 0.025
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 562+00
TO
STA. 574+00
SCALE: 1" = 50'

8/16/2014
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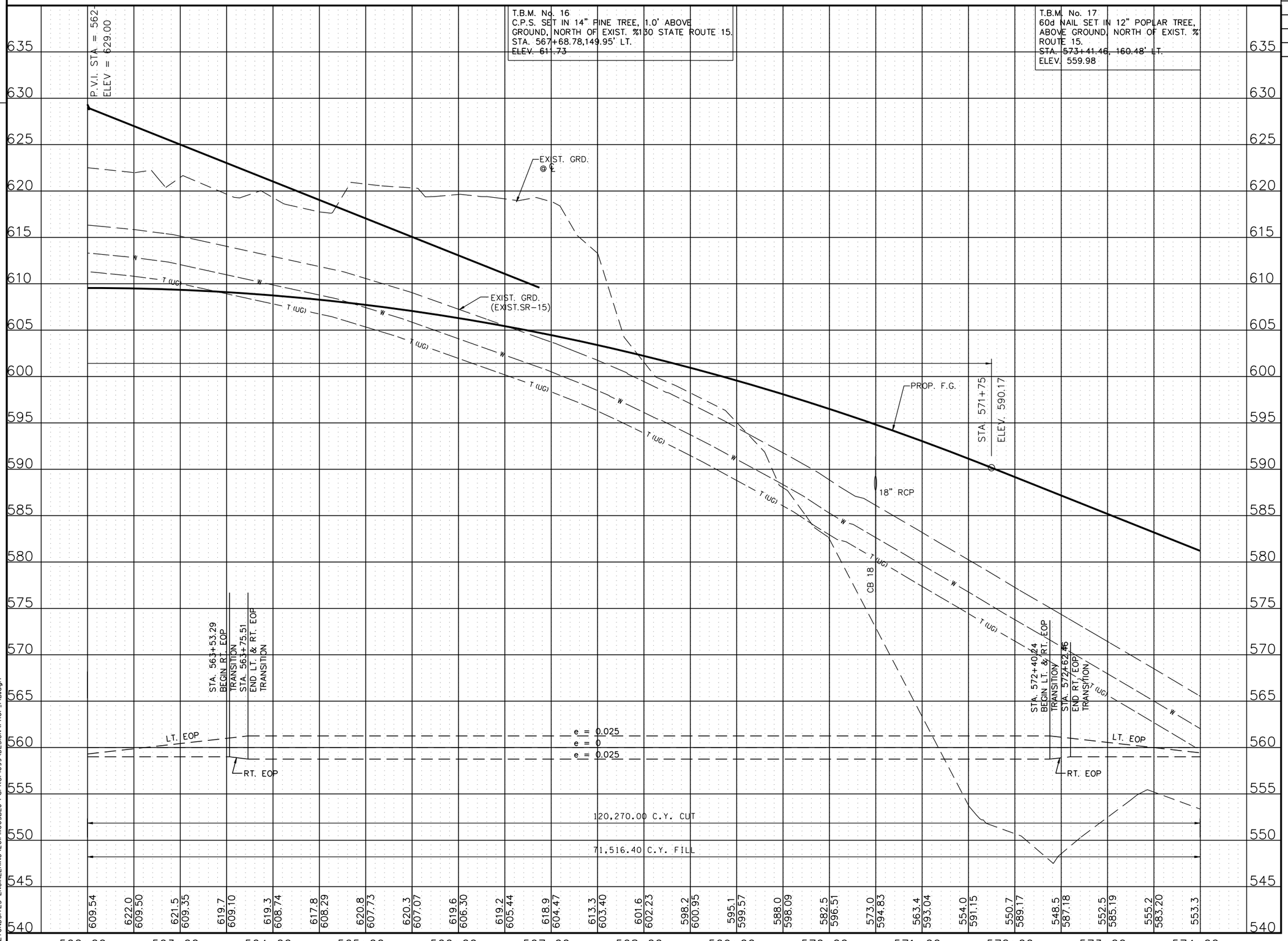
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	14C
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 562+00
TO
STA. 574+00
SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	15
CONST	2014	36001-3290-14	

REV. 2-08-10
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS
REVISED DRWY TRACT 81
ADDED WWC-15 THR U 18

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACT 81

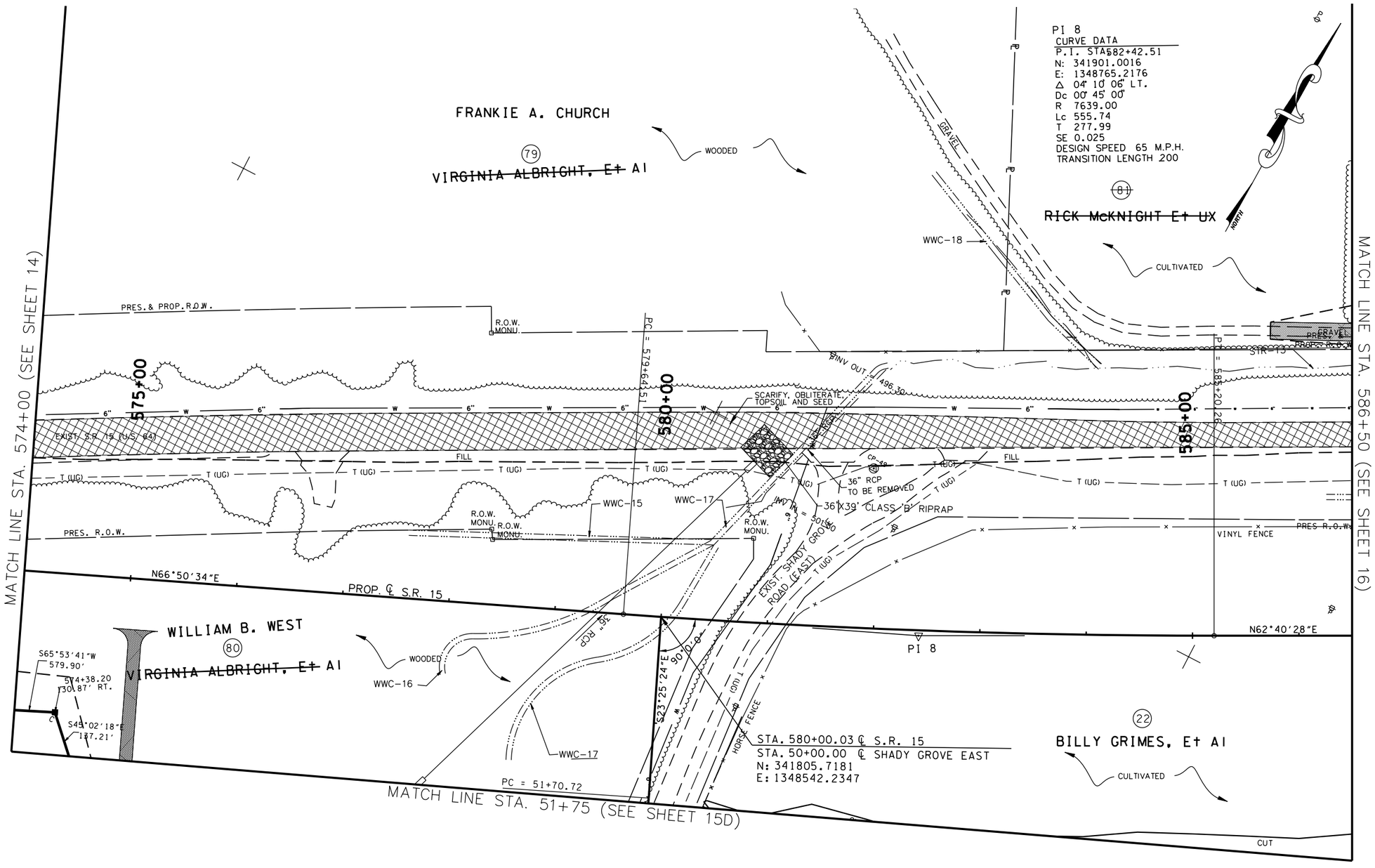
REV. 3-18-11
ADDED FENCE TRACT 22

REV. 4-22-11
REMOVED ROW CALL OUTS

REV. 5-31-11
REVISED PROP OWNER TRACT 79

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

REV. 9-4-12
REVISED STREAM 13 LOCATION



NOTE
SEE R.O.W LAYOUT SHEET 15A
FOR R.O.W CALLS

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 574+00
TO
STA. 586+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	15A
CONST	2014	36001-3290-14	

REV. 2-08-10

REVISED EXIST. SURVEY DATA TRACTS 79, 80, 81 & 22

REV. 5-26-10

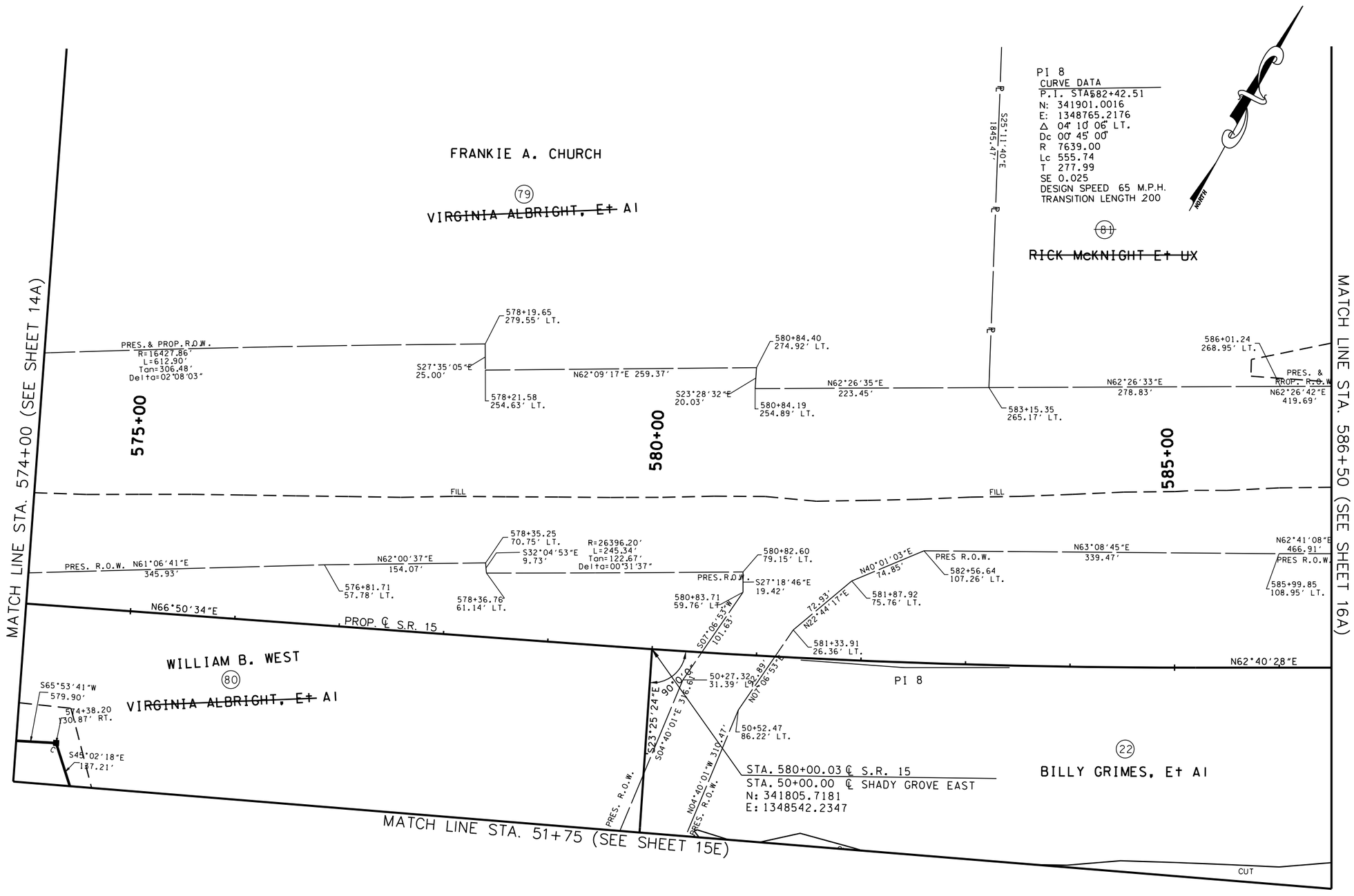
REVISED C/F LIMITS DRWY TRACT 81

REV. 4-22-11

REMOVED FEATURES NOT NEEDED

REV. 5-31-11

REVISED PROP OWNER TRACT 79



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 574+00
TO
STA. 586+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	15B
CONST	2014	36001-3290-14	

REV. 2-08-10

ADDED WWC-15 THRU 18

REV. 5-26-10

REVISED C/F LIMITS DRWY TRACT 81

REV. 2-24-12

REVISED ENVIRONMENTAL FEATURES

REV. 9-4-12

REVISED STREAM 13 RELOCATION

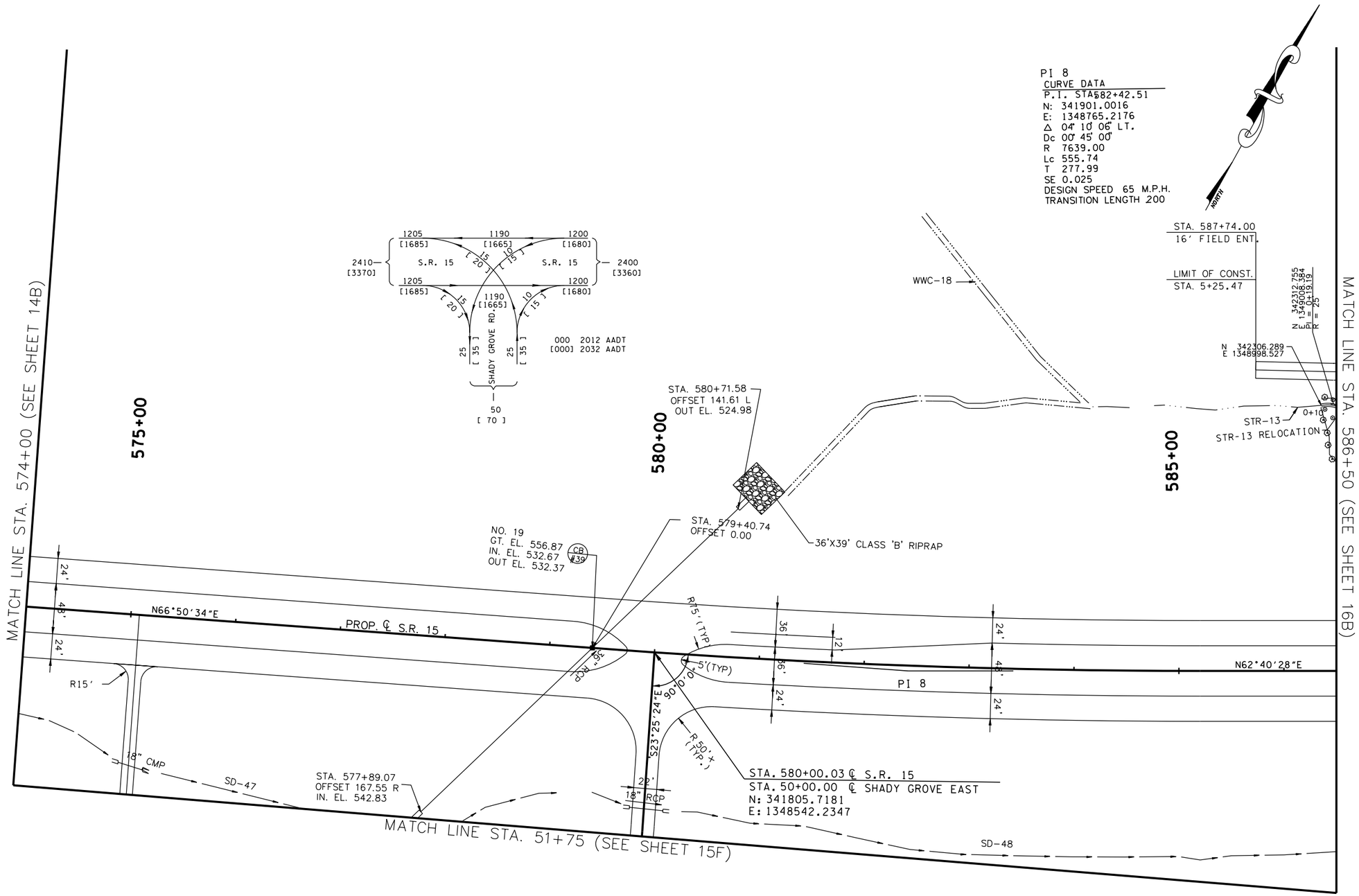
REV. 11-12-12

ADDED TURN LANE AND TURN LANE WIDTH

REV. 9-23-13

ADDED WWC-18

ADDED NOTATION FOR STREAM 13 RELOCATION



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 574+00
TO
STA. 586+50
SCALE: 1" = 50'

8/16/2014
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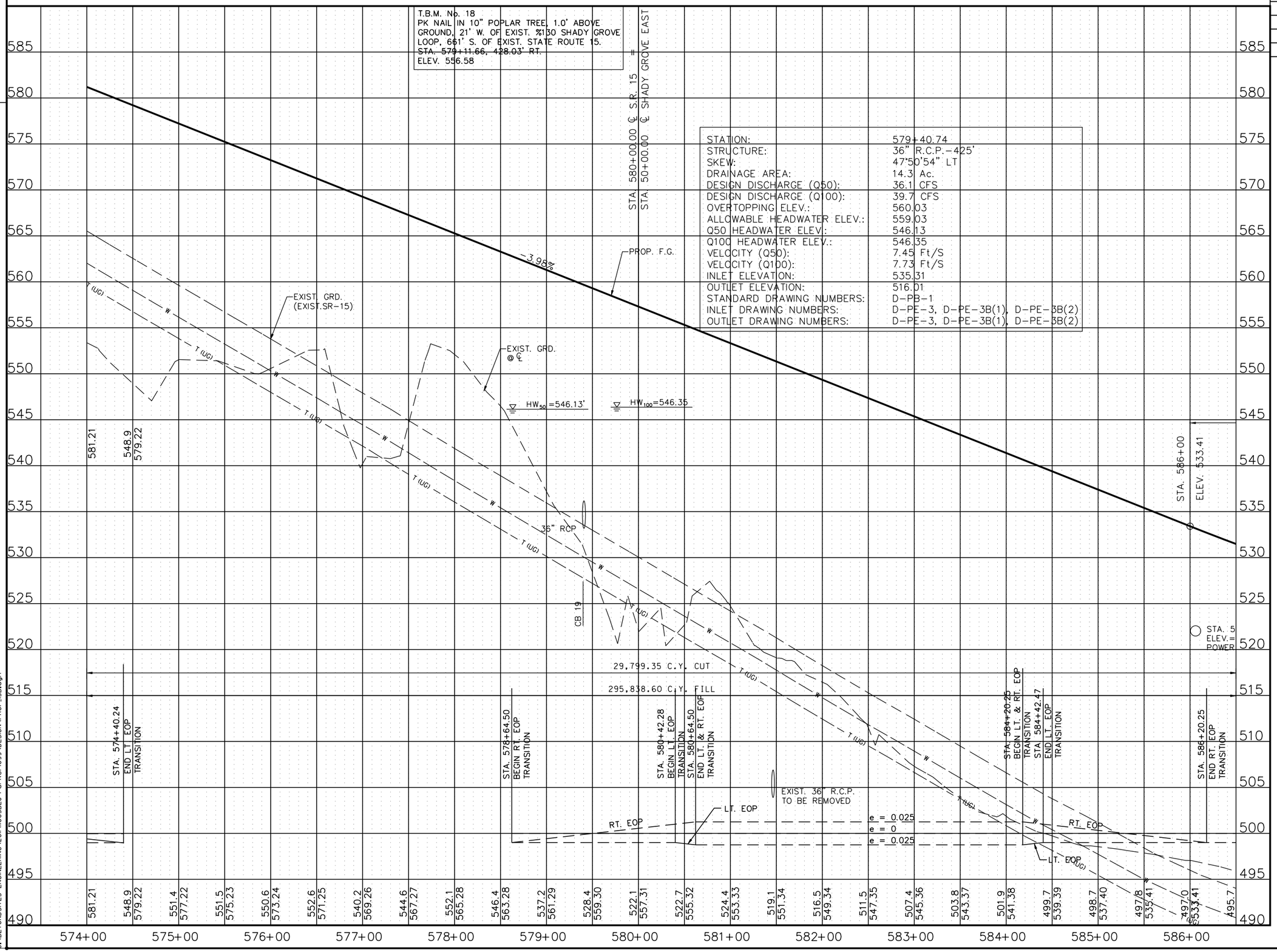
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	15C
CONST	2014	36001-3290-14	



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 574+00
TO
STA. 586+50
SCALE: 1" = 50'H, 5'V

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

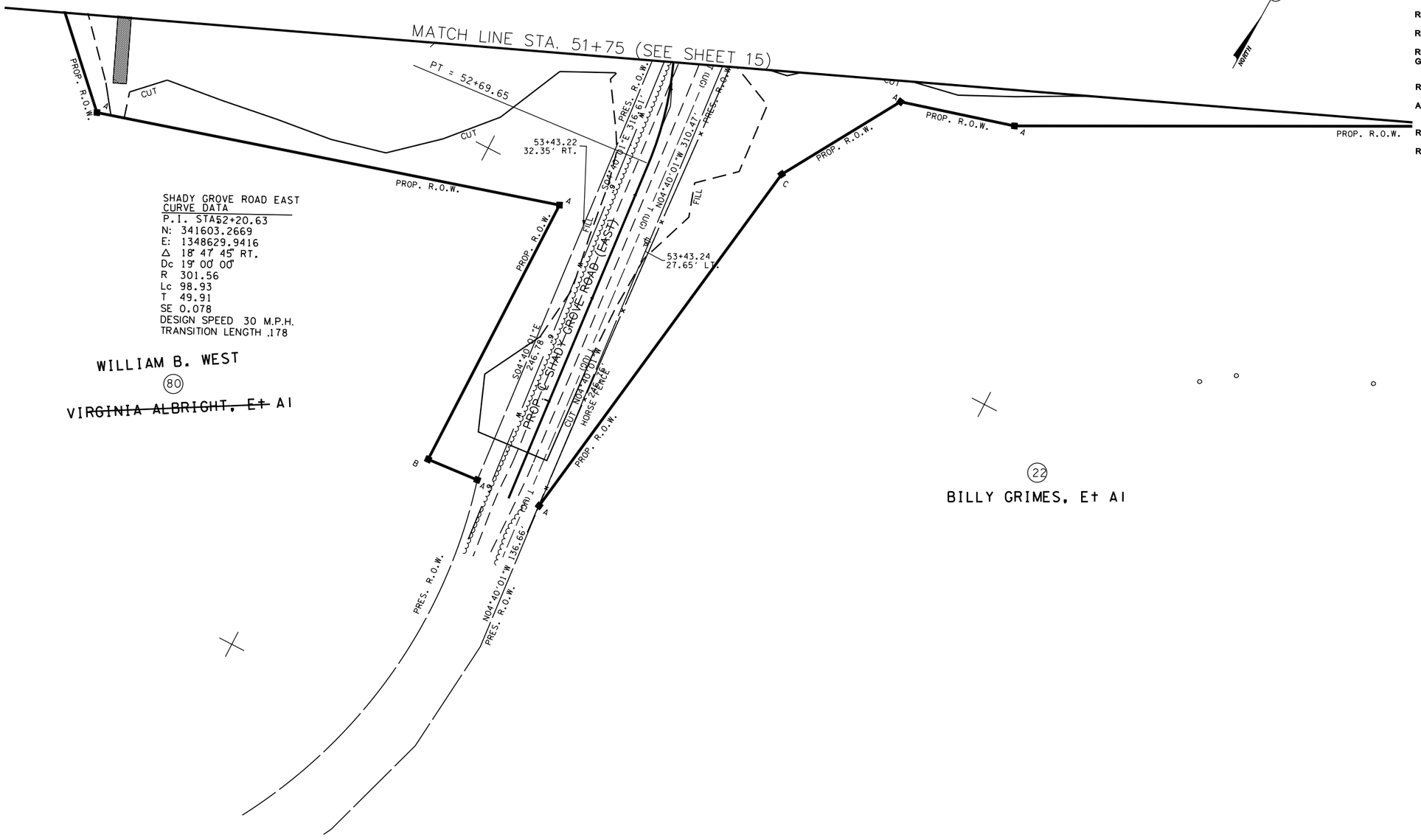
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	15D
CONST	2014	36001-3290-14	

REV. 2-08-10
REVISED DRWY TRACT 80
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS

REV. 5-01-10
REVISED CURVE DATA
REVISED GRAPHIC ALIGNMENT SHADY GROVE ROAD (EAST)

REV. 3-18-11
ADDED FENCE TRACT 22

REV. 4-22-11
REMOVED ROW CALL OUTS



NOTE
SEE R.O.W LAYOUT SHEET 15E
FOR R.O.W CALLS

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
SHADY GROVE ROAD
EAST

SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	15E
CONST	2014	36001-3290-14	

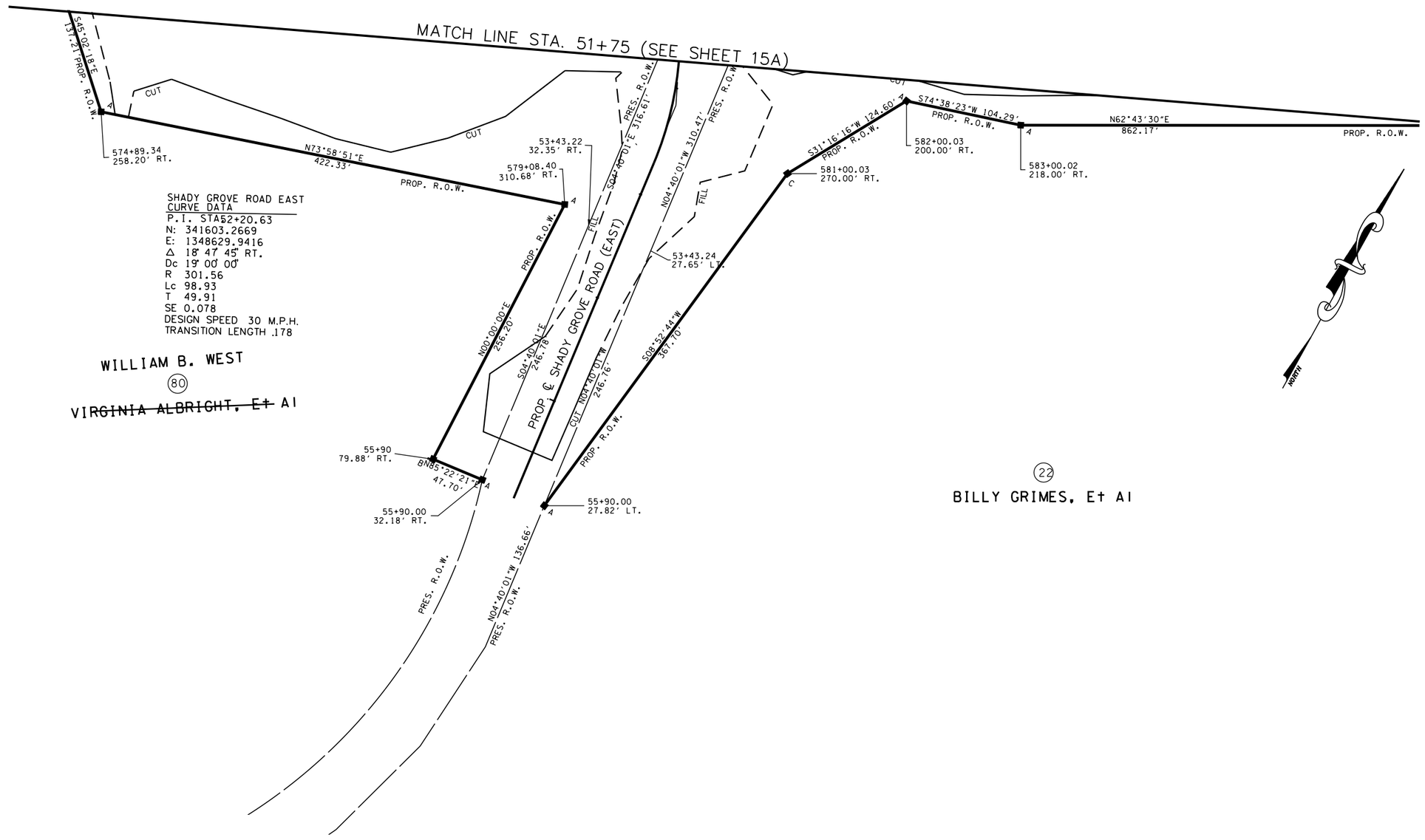
REV. 5-01-10

REVISED CURVE DATA

REVISED GRAPHIC ALIGNMENT SHADY GROVE ROAD (EAST)

REV. 4-22-11

REMOVED FEATURES NOT NEEDED



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
SHADY GROVE ROAD
EAST

SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	15F
CONST	2014	36001-3290-14	

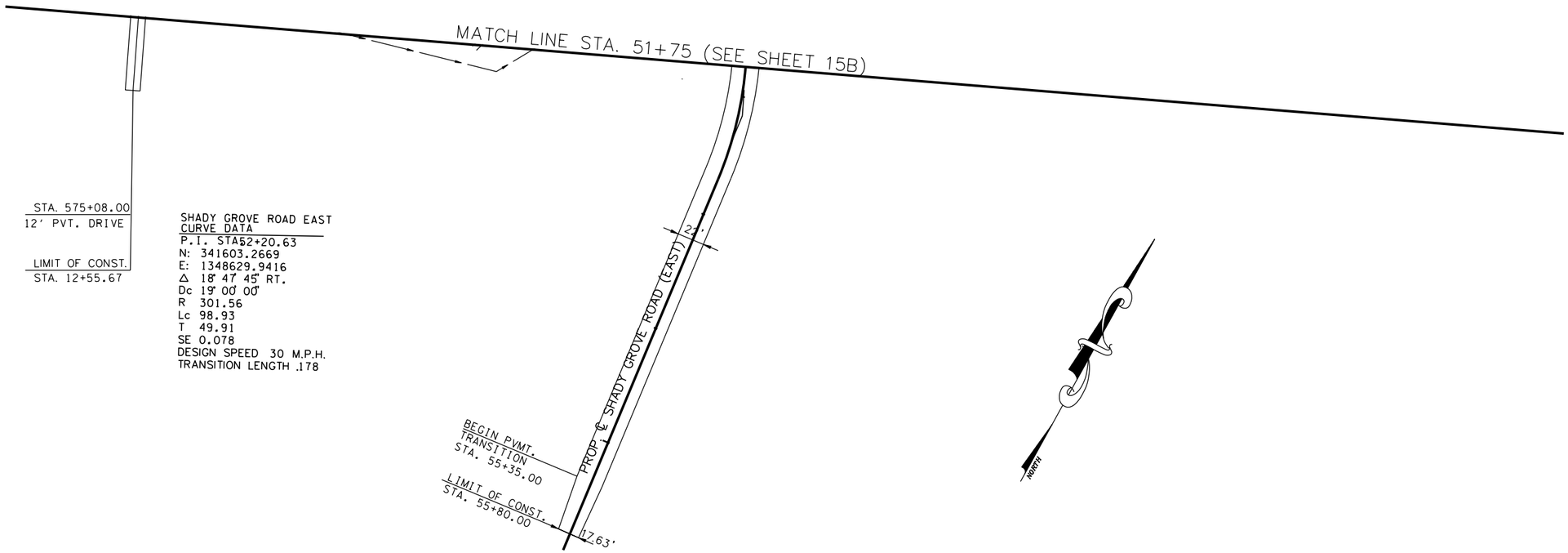
REV. 5-01-10

REVISED CURVE DATA

REVISED GRAPHIC ALIGNMENT SHADY GROVE ROAD (EAST)

REV. 5-26-10

REVISED C/F LIMITS DRWY TRACT 80



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
SHADY GROVE ROAD
EAST

SCALE: 1" = 50'

8/16/2014
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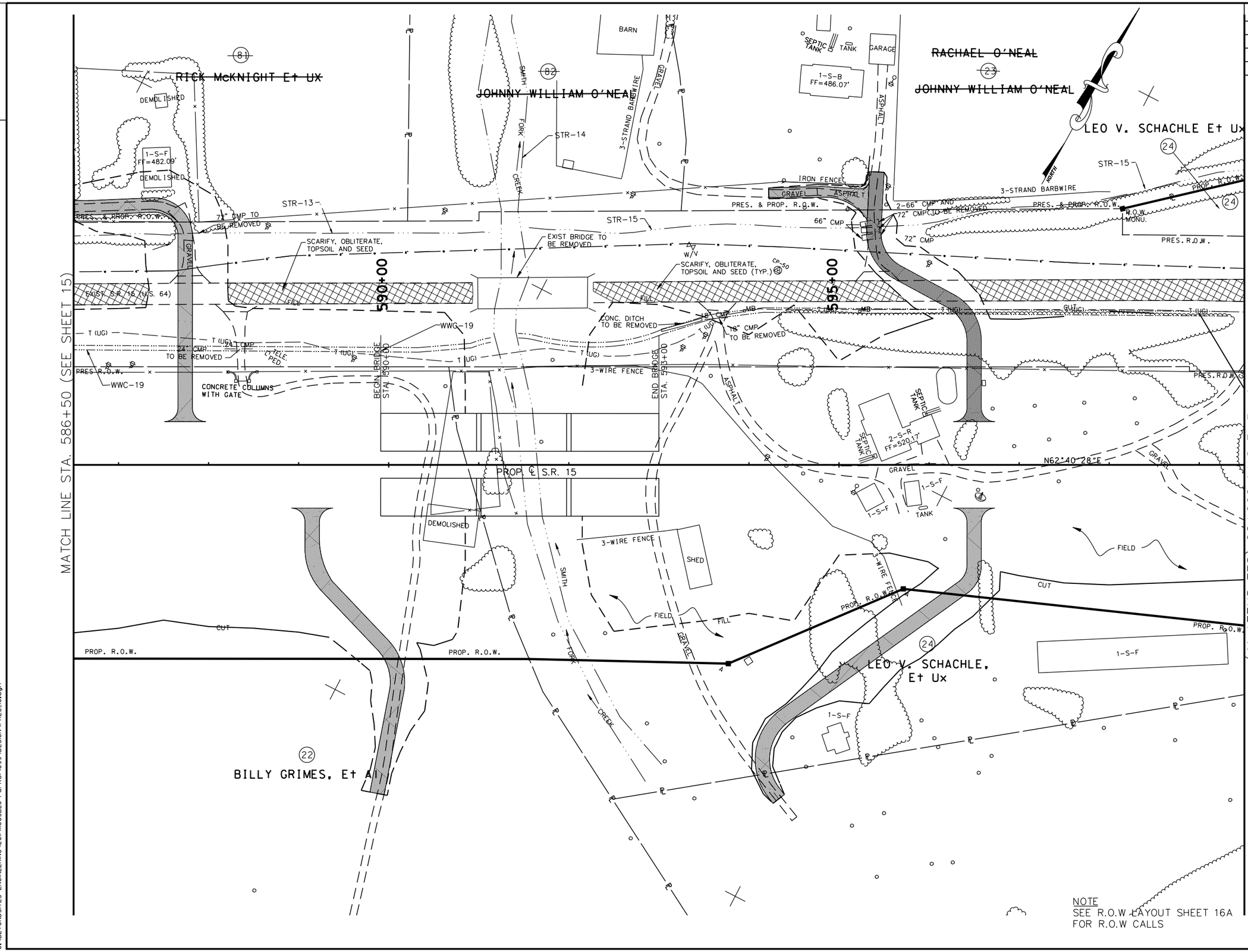
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	16
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-13,S-14,WWC-18 THRU 20
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS
ADDED DRWY TRACT 82

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 23, 24 & 81

REV. 3-18-11
ADDED FENCE TRACT 22
REVISED TRACT 24

REV. 4-22-11
REMOVED ROW CALL OUTS
REVISED EXIST PVMT SCARIFICATION LIMITS

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 586+50
TO
STA. 599+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	16A
CONST	2014	36001-3290-14	

REV. 2-08-10

ADDED DRWY TRACT 32

REVISED EXIST. SURVEY DATA TRACTS 23, 24, 81 & 82

REV. 5-26-10

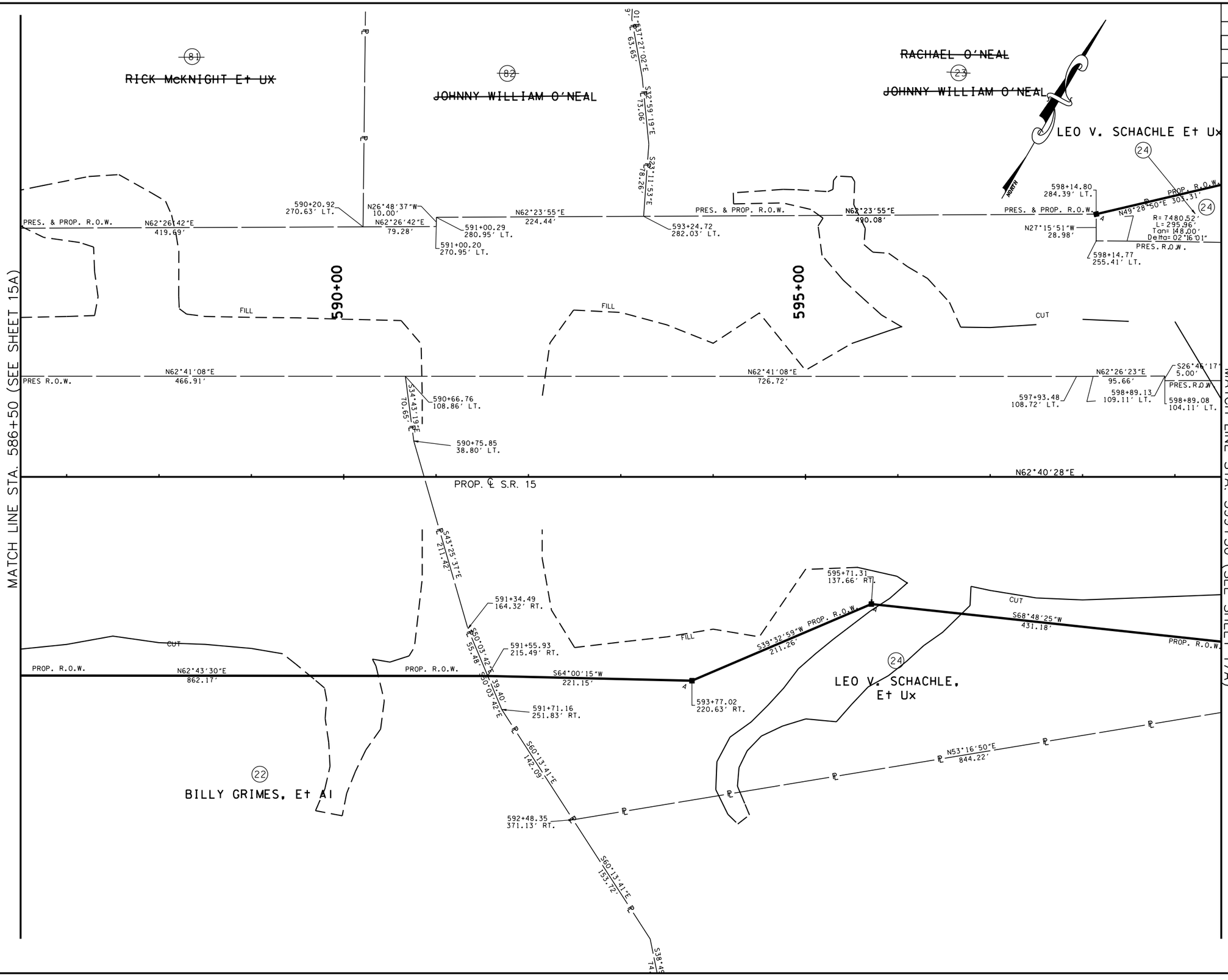
REVISED C/F LIMITS DRWY TRACTS 23, 24 & 81

REV. 3-18-11

REVISED TRACT 24

REV. 4-22-11

REMOVED FEATURES NOT NEEDED



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 586+50
TO
STA. 599+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	16B
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-13, S-14, WWC-18 THRU 20
ADDED DRWY TRACT 82

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 23, 24 & 81

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

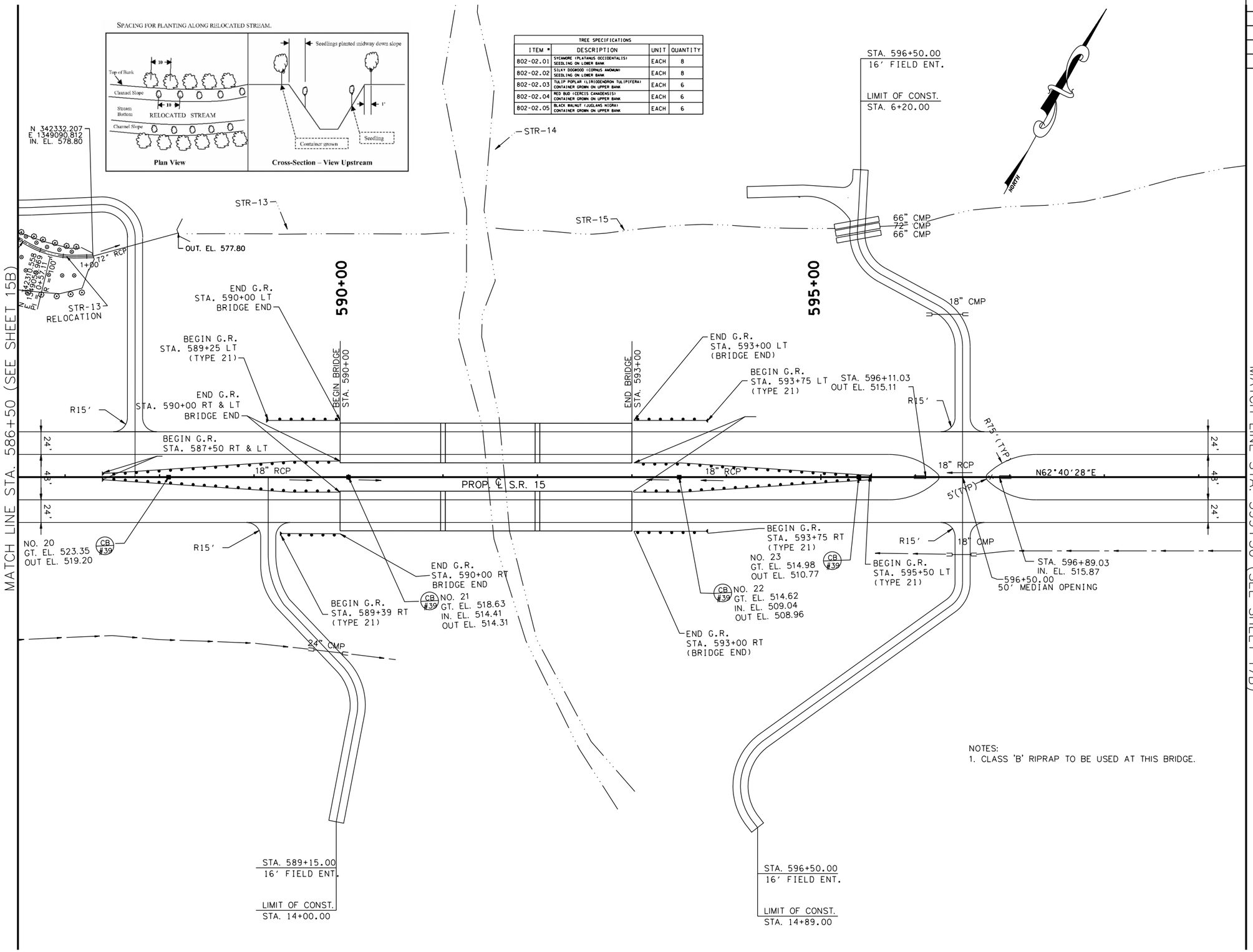
REV. 9-4-12
REVISED STREAM 13 RELOCATION

REV. 9-23-13
ADDED STREAM 13 RELOCATION ANNOTATION
ADDED STREAM PLANTING DETAIL AND QUANTITIES

REV. 3-18-14
ADDED GUARDRAIL
ADDED NOTE

SPACING FOR PLANTING ALONG RELOCATED STREAM.

TREE SPECIFICATIONS			
ITEM *	DESCRIPTION	UNIT	QUANTITY
802-02.01	SYCAMORE (PLATANUS OCCIDENTALIS) SEEDLING ON LOWER BANK	EACH	8
802-02.02	SILKY DOGWOOD (CORNUS AMOMUM) SEEDLING ON LOWER BANK	EACH	8
802-02.03	TULIP POPLAR (LIRIODENDRON TULIPIFERA) CONTAINER GROWN ON UPPER BANK	EACH	6
802-02.04	RED BUD (CERCIS CANADENSIS) CONTAINER GROWN ON UPPER BANK	EACH	6
802-02.05	BLACK WALNUT (JUGLANS NIGRA) CONTAINER GROWN ON UPPER BANK	EACH	6



NOTES:
1. CLASS 'B' RIPRAP TO BE USED AT THIS BRIDGE.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 586+50
TO
STA. 599+50
SCALE: 1" = 50'

8/16/2014
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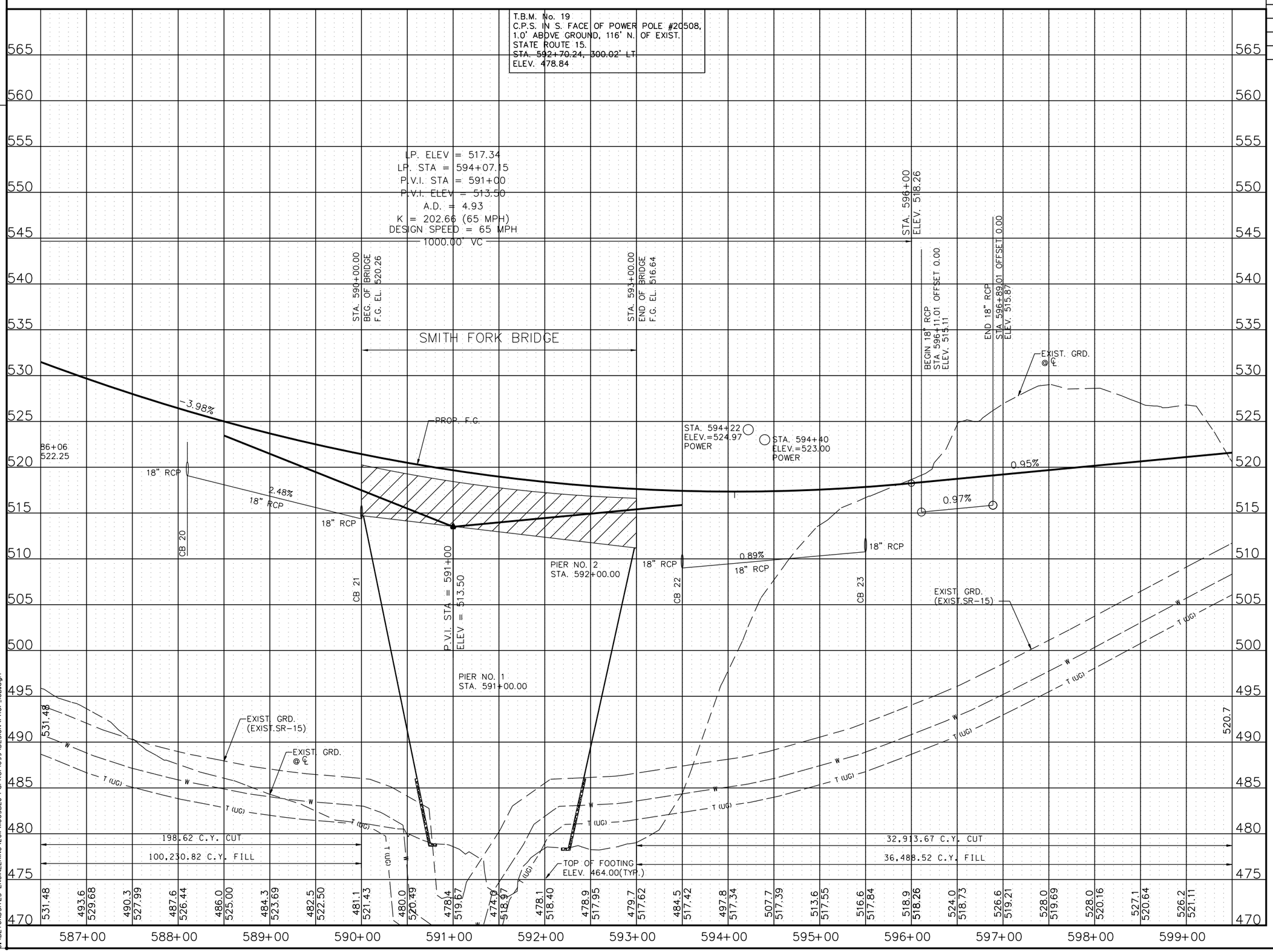
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	16C
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

PROFILE

STA. 586+50
TO
STA. 599+50

SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	17
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED PRES. ROW LABELS TRACT 25
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS
ADDED S-14, WWC-21 & 22

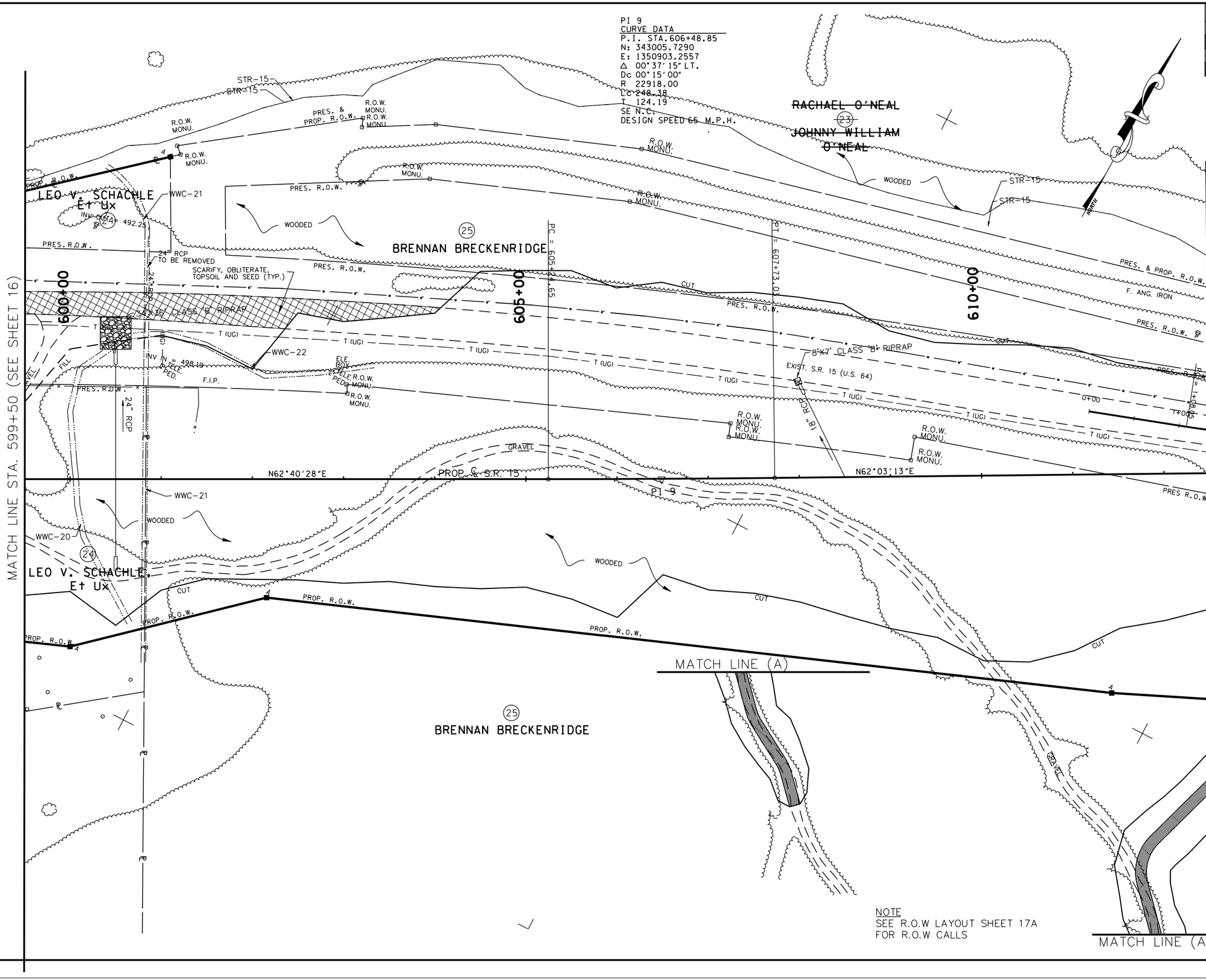
REV. 5-26-10
REVISED C/F LIMITS DRWY TRACT 25

REV. 3-18-11
REVISED TRACT 24

REV. 4-22-11
REMOVED ROW CALL OUTS
REVISED EXIST PVMT SCARIFICATION LIMITS

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

PI 9
CURVE DATA
P.I. STA.606+48.85
N: 343005.7290
E: 1350903.2557
Δ 00°37'15" LT.
Dc 00°15'00"
R 22918.00
Lc 248.38
T 124.19
SE N.C.
DESIGN SPEED 65 M.P.H.



NOTE
SEE R.O.W LAYOUT SHEET 17A
FOR R.O.W CALLS

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 599+50
TO
STA. 612+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	17A
CONST	2014	36001-3290-14	

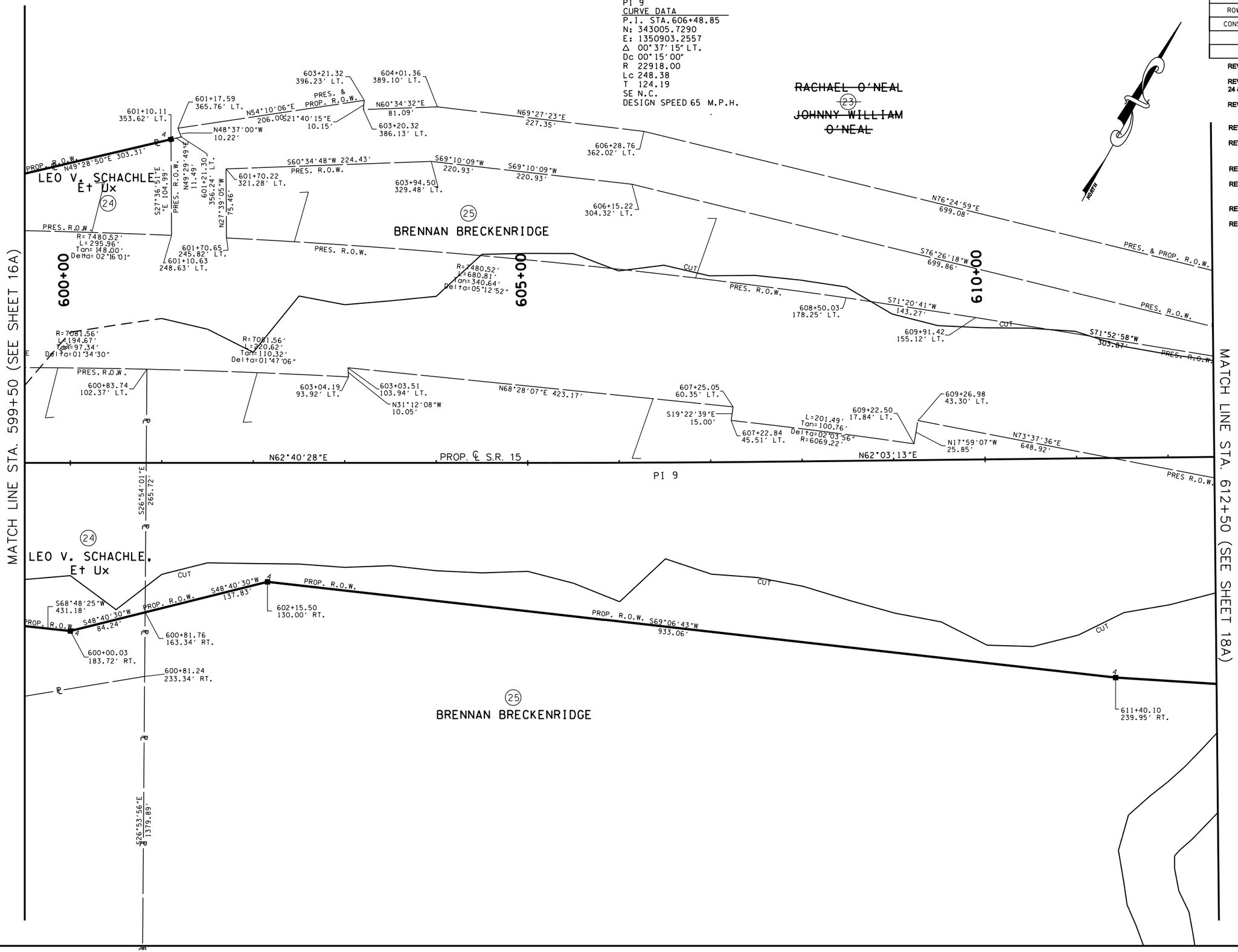
REV. 2-08-10
REVISED EXIST SURVEY DATA TRACTS 24 & 25
REVISED PROP. ROW TRACT 25

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACT 25

REV. 3-18-11
REVISED TRACT 24

REV. 4-22-11
REMOVED FEATURES NOT NEEDED

PI 9
CURVE DATA
P.I. STA.606+48.85
N: 343005.7290
E: 1350903.2557
Δ 00°37'15" LT.
Dc 00°15'00"
R 22918.00
Lc 248.38
T 124.19
SE N.C.
DESIGN SPEED 65 M.P.H.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 599+50
TO
STA. 612+50
SCALE: 1" = 50'

8/16/2014
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ROW

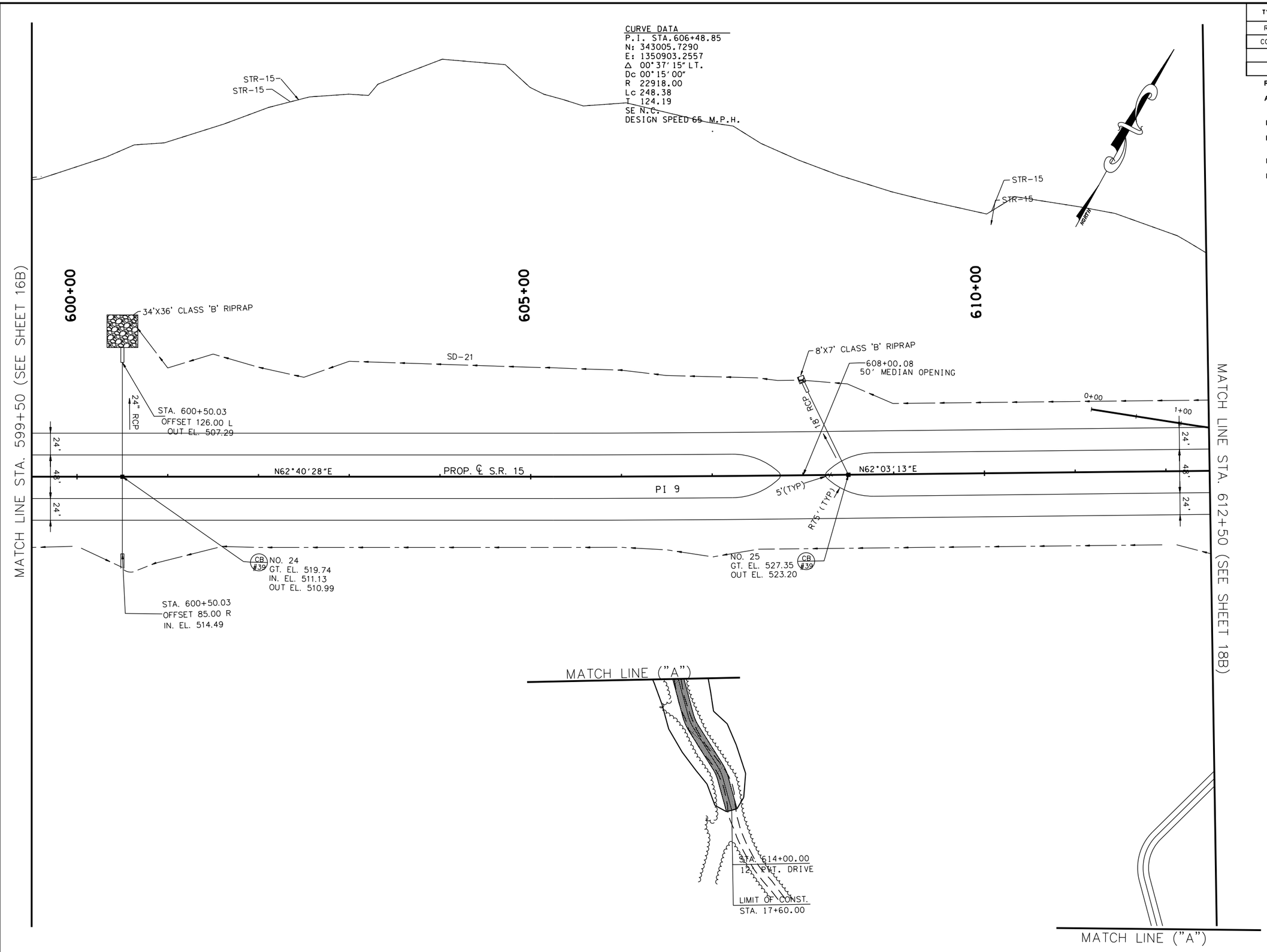
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	17B
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-14, WWC-21 & 22

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACT 25

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 599+50
TO
STA. 612+50
SCALE: 1" = 50'

8/16/2014
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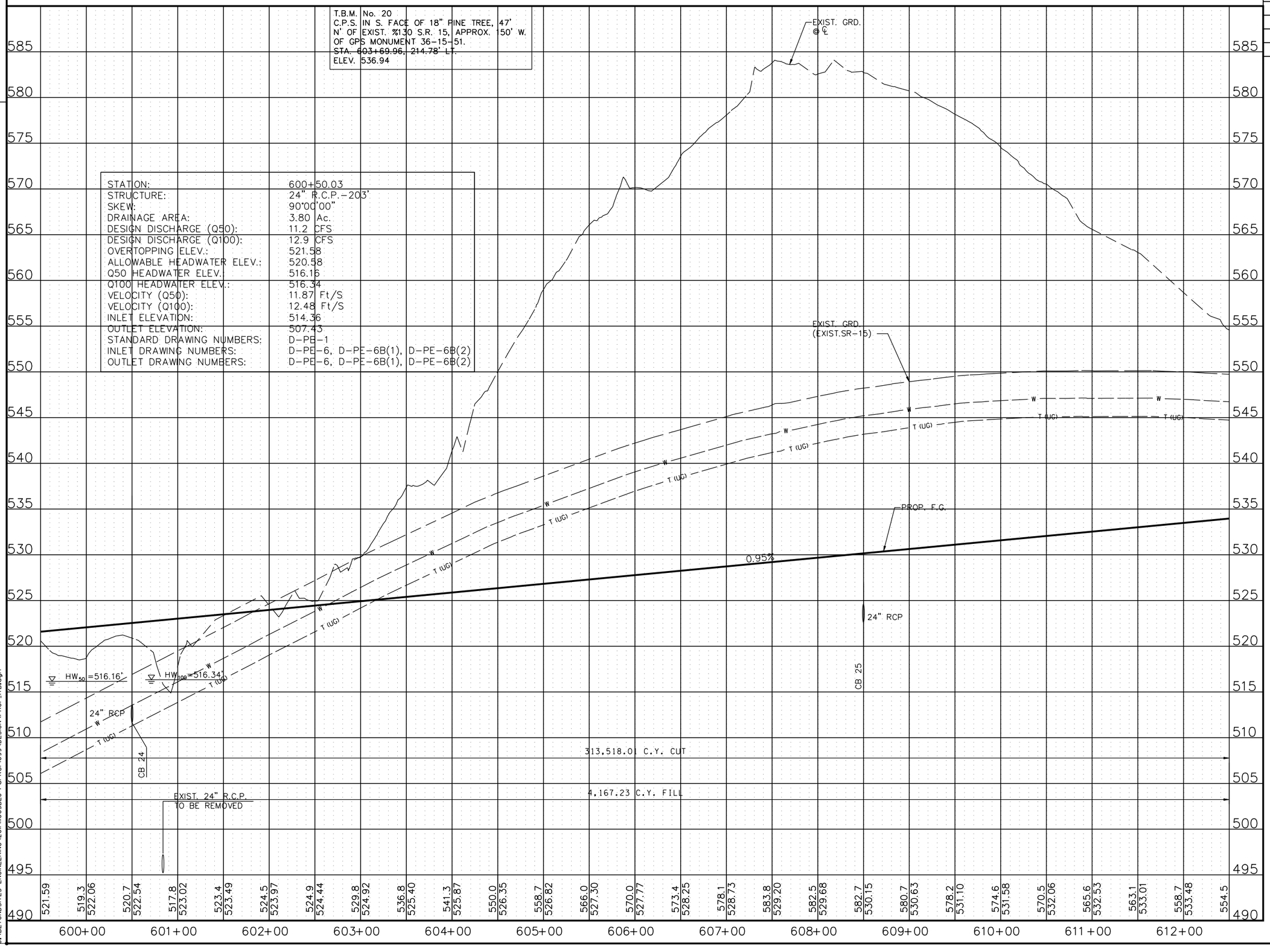
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	17C
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 599+50
TO
STA. 612+50
SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	18
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-14,WWC-23,WWC-24
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS
REVISED DRWY TRACT 26

REV. 5-26-10
REVISED DRIVEWAY TRACT 26

REV. 1-12-11
REVISED OWNER TRACT 26

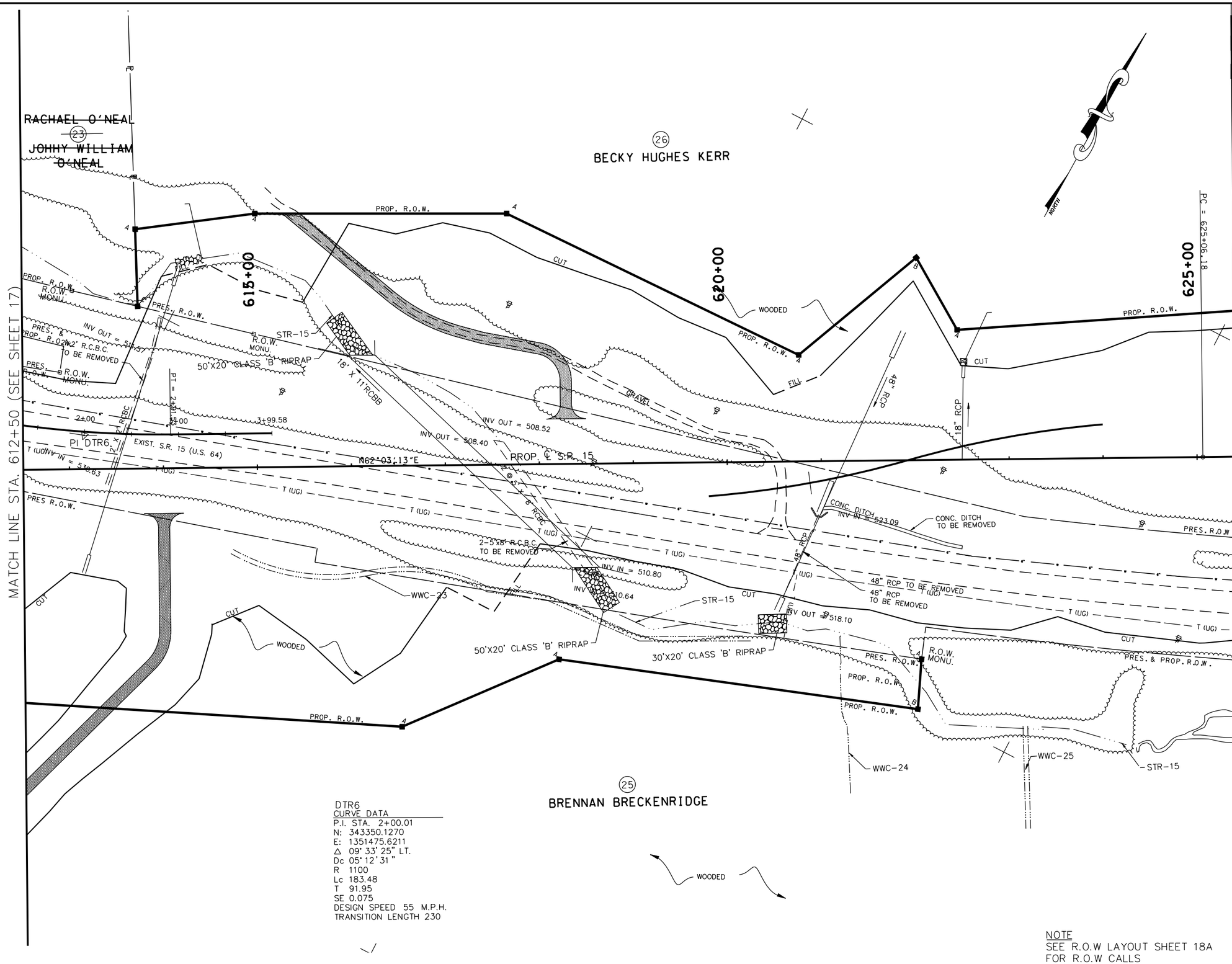
REV. 4-22-11
REMOVED ROW CALL OUTS

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

REV. 9-4-12
REVISED STREAM 15 LOCATION

REV. 11-12-12
REVISED DRIVE AT TRACT 26

REV. 7-15-13
ADDED RIPRAP



DTR6
CURVE DATA
P.I. STA. 2+00.01
N: 343350.1270
E: 1351475.6211
Δ 09° 33' 25" LT.
Dc 05° 12' 31"
R 1100
Lc 183.48
T 91.95
SE 0.075
DESIGN SPEED 55 M.P.H.
TRANSITION LENGTH 230

NOTE
SEE R.O.W LAYOUT SHEET 18A
FOR R.O.W CALLS

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 612+50
TO
STA. 625+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

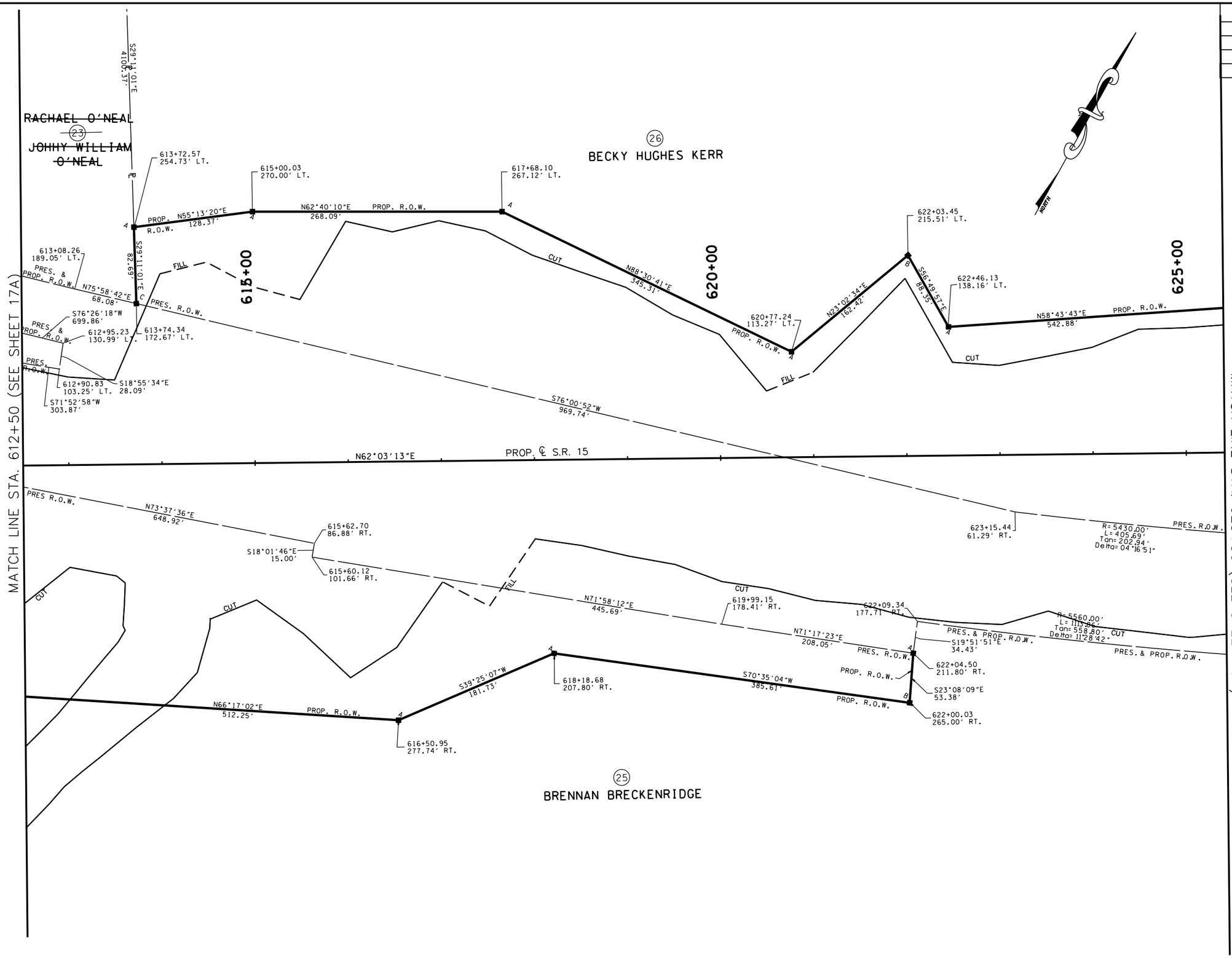
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	18A
CONST	2014	36001-3290-14	

REV. 2-08-10
REVISED EXIST. SURVEY DATA TRACTS 25 & 26
ADDED PROP. ROW DATA TRACT 25

REV. 1-12-11
REVISED OWNER TRACT 26

REV. 4-22-11
REMOVED FEATURES NOT NEEDED

REV. 10-XX-12
REVISED DRIVE AT TRACT 26



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 612+50
TO
STA. 625+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	18B
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-14,WWC-23,WWC-24

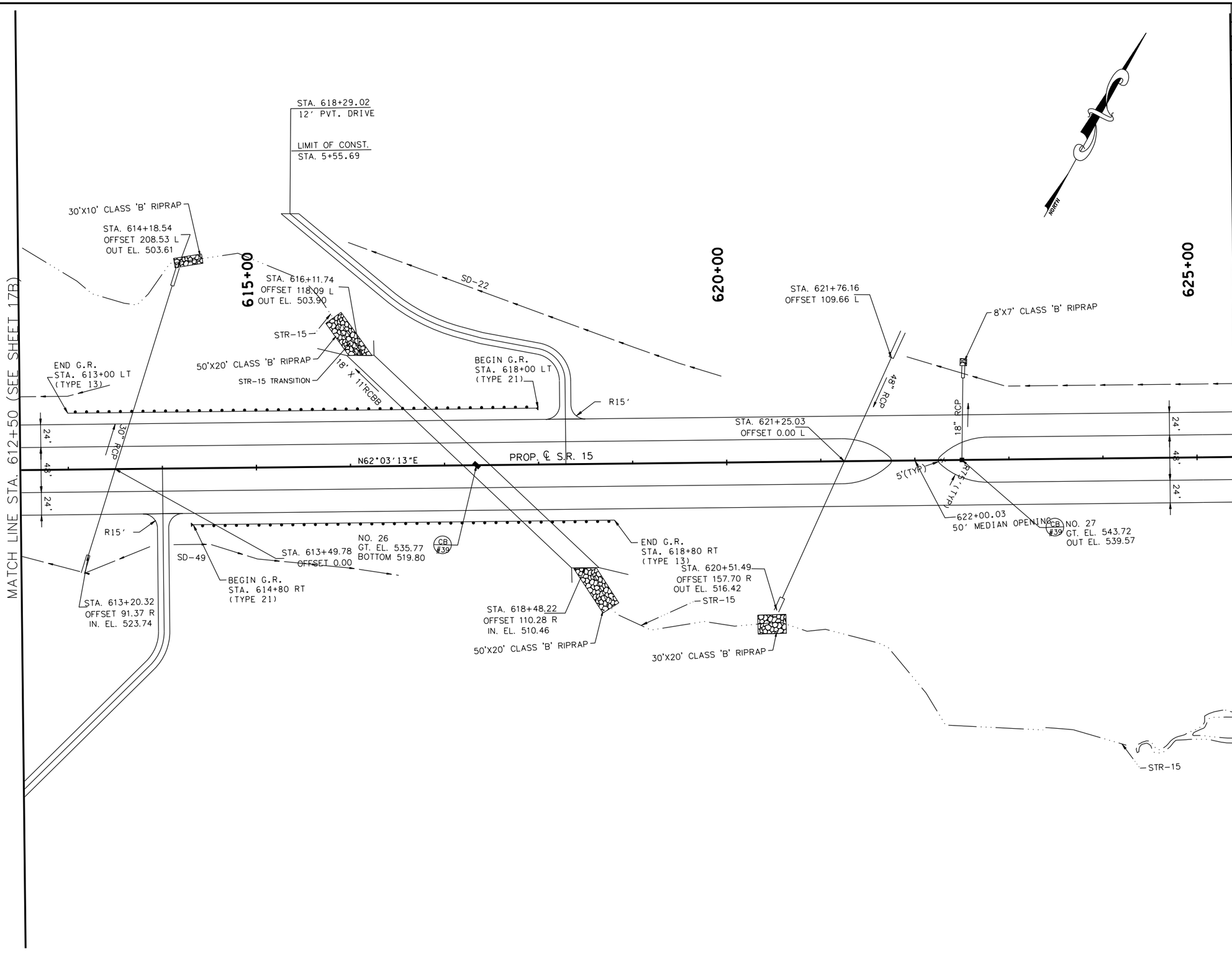
REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

REV. 9-4-12
REVISED STREAM 15 LOCATION

REV. 11-12-12
REVISED DRIVE AT STA. 618+29.02

REV. 7-15-13
ADDED RIPRAP

REV. 9-23-13
ADDED TEMP. PIPE



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 612+50
TO
STA. 625+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	18C
CONST	2014	36001-3290-14	

T.B.M. No. 21
C.P.S. IN S. FACE OF POWER POLE, 177' NORTH OF EXIST. %130 S.R. 15.
STA. 617+55.91, 132.48' LT.
ELEV. 525.18

T.B.M. No. 22
C.P.S. IN FACE OF 8" HICKORY TREE, 1.0' ABOVE GROUND, AT EDGE OF WOODS, 64' SOUTH OF EXIST. %130 S.R. 15.
STA. 622+76.81, 191.09' RT.
ELEV. 527.35

STATION:	613+49.79
STRUCTURE:	30" R.C.P.-318'
SKEW:	72°07'34" LT
DRAINAGE AREA:	2.8 Ac.
DESIGN DISCHARGE (Q50):	9.9 CFS
DESIGN DISCHARGE (Q100):	10.9 CFS
OVERTOPPING ELEV.:	534.00
ALLOWABLE HEADWATER ELEV.:	533.00
Q50 HEADWATER ELEV.:	525.29
Q100 HEADWATER ELEV.:	525.38
VELOCITY (Q50):	5.09 Ft/S
VELOCITY (Q100):	5.24 Ft/S
INLET ELEVATION:	523.86
OUTLET ELEVATION:	503.86
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-6, D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-6, D-PE-6B(1), D-PE-6B(2)

STATION:	617+34.03
STRUCTURE:	1 @ 18' x 11' RCB
SKEW:	45°00'00" Rt.
DRAINAGE AREA:	352.00 Ac.
DESIGN DISCHARGE (Q50):	------
DESIGN DISCHARGE (Q100):	515 CFS
OVERTOPPING ELEV.:	538.50
ALLOWABLE HEADWATER ELEV.:	537.50
Q50 HEADWATER ELEV.:	------
Q100 HEADWATER ELEV.:	514.77
VELOCITY (Q50):	------
VELOCITY (Q100):	9.73 Ft/S
INLET ELEVATION:	510.50
OUTLET ELEVATION:	503.50
STANDARD DRAWING NUMBERS:	STD-15-48, STD-15-49
INLET DRAWING NUMBERS:	STD-15-48, STD-15-49
OUTLET DRAWING NUMBERS:	STD-15-48, STD-15-49

P.V.I. STA = 622+00
P.V.I. ELEV = 543.00
DESIGN SPEED = 65 MPH
K = 230.84 (65 MPH)
A.D. = 2.82
650.00' VC

STA. 621+93
ELEV.=567.80
POWER

STA. 625+25
ELEV. 555.24

P.V.I. STA = 622+00
ELEV = 543.00

3.77%

EXIST. GRD. @ ℄

EXIST. GRD. (EXIST.SR-15)

PROP. F.G.

STA. 618+75
ELEV. 539.91

0.95%

18" RCP

HW_{50} =533.72' HW_{100}=533.96'

CB 27

EXIST. 2' x 2' R.C.B.C. TO BE REMOVED

HW_{50} =525.29' HW_{100}=525.38'

48" RCP

30" RCP

EXIST. 48" R.C.P. TO BE REMOVED

STATION:	621+25.03
STRUCTURE:	48" R.C.P.-286'
SKEW:	65°00'00" Lt.
DRAINAGE AREA:	24.5 Ac.
DESIGN DISCHARGE (Q50):	58.5 CFS
DESIGN DISCHARGE (Q100):	64.5 CFS
OVERTOPPING ELEV.:	543.12
ALLOWABLE HEADWATER ELEV.:	542.12
Q50 HEADWATER ELEV.:	533.72
Q100 HEADWATER ELEV.:	533.96
VELOCITY (Q50):	7.83 Ft/S
VELOCITY (Q100):	8.11 Ft/S
INLET ELEVATION:	530.34
OUTLET ELEVATION:	516.56
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-4, D-PE-4B(1), D-PE-4B(2)
OUTLET DRAWING NUMBERS:	D-PE-6, D-PE-6B(1), D-PE-6B(2)

18' x 11' RCB

EXIST. 2 @ 8' x 5' R.C.B.C. TO BE REMOVED

CB 26

STA. 624+06.17
BEGIN RT. EOP TRANSITION

70,695.95 C.Y. CUT

49,763.60 C.Y. FILL

RT. EOP
LT. EOP

533.96	547.2 534.44	543.1 534.91	547.1 535.39	546.2 535.86	546.0 536.34	546.0 536.81	544.0 537.29	544.0 537.77	539.0 538.24	529.8 538.72	528.4 539.19	522.3 539.67	524.6 540.16	527.0 540.74	528.0 541.44	534.0 542.24	527.3 543.14	531.5 544.16	538.7 545.29	545.0 546.52	548.7 547.86	553.2 549.31	557.4 550.87	561.9 552.54	567.7 554.32	572.6			

613+00 614+00 615+00 616+00 617+00 618+00 619+00 620+00 621+00 622+00 623+00 624+00 625+00

8/6/2014
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 612+50
TO
STA. 625+50
SCALE: 1" = 50'H, 5'V

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	19
CONST	2014	36001-3290-14	

REV. 2-08-10

ADDED S-16,S-17 & WWC-25

REMOVED ROW CALL OUTS

ADDED NOTE FOR ROW CALLS

REV. 5-26-10

REVISED C/F LIMITS DRWY TRACT 25

REV. 1-12-11

REVISED OWNER TRACT 26

REV. 4-22-11

REMOVED ROW CALL OUTS

REVISED EXIST PVMT SCARIFICATION LIMITS

REV. 2-24-12

REVISED ENVIRONMENTAL FEATURES
REVISED SLOPE LIMITS FOR DRIVE AT 628+67 RT

ADDED CONSTRUCTION NOTE

REV. 9-4-12

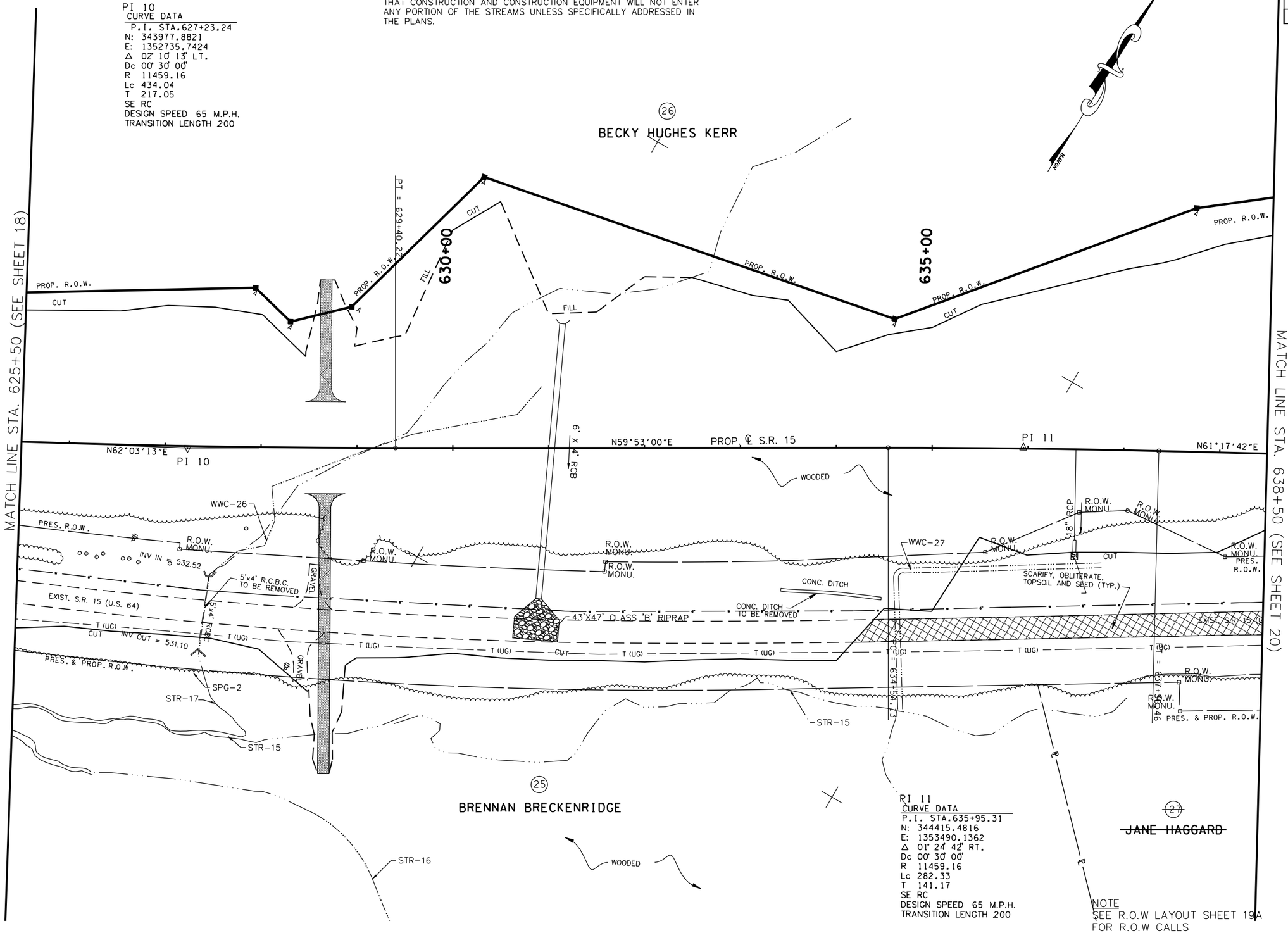
REVISED STREAMS 15, 16 & 17 LOCATION

REV. 9-23-12

REVISED SLOPE LIMITS ALONG DRIVE AT STA. 628+67 RT

CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION AND CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE STREAMS UNLESS SPECIFICALLY ADDRESSED IN THE PLANS.

PI 10
CURVE DATA
P.I. STA.627+23.24
N: 343977.8821
E: 1352735.7424
Δ 02° 10' 13" LT.
Dc 00° 30' 00"
R 11459.16
Lc 434.04
T 217.05
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200



PI 11
CURVE DATA
P.I. STA.635+95.31
N: 344415.4816
E: 1353490.1362
Δ 01° 24' 42" RT.
Dc 00° 30' 00"
R 11459.16
Lc 282.33
T 141.17
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

NOTE
SEE R.O.W LAYOUT SHEET 19A FOR R.O.W CALLS

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 625+50
TO
STA. 638+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	19A
CONST	2014	36001-3290-14	

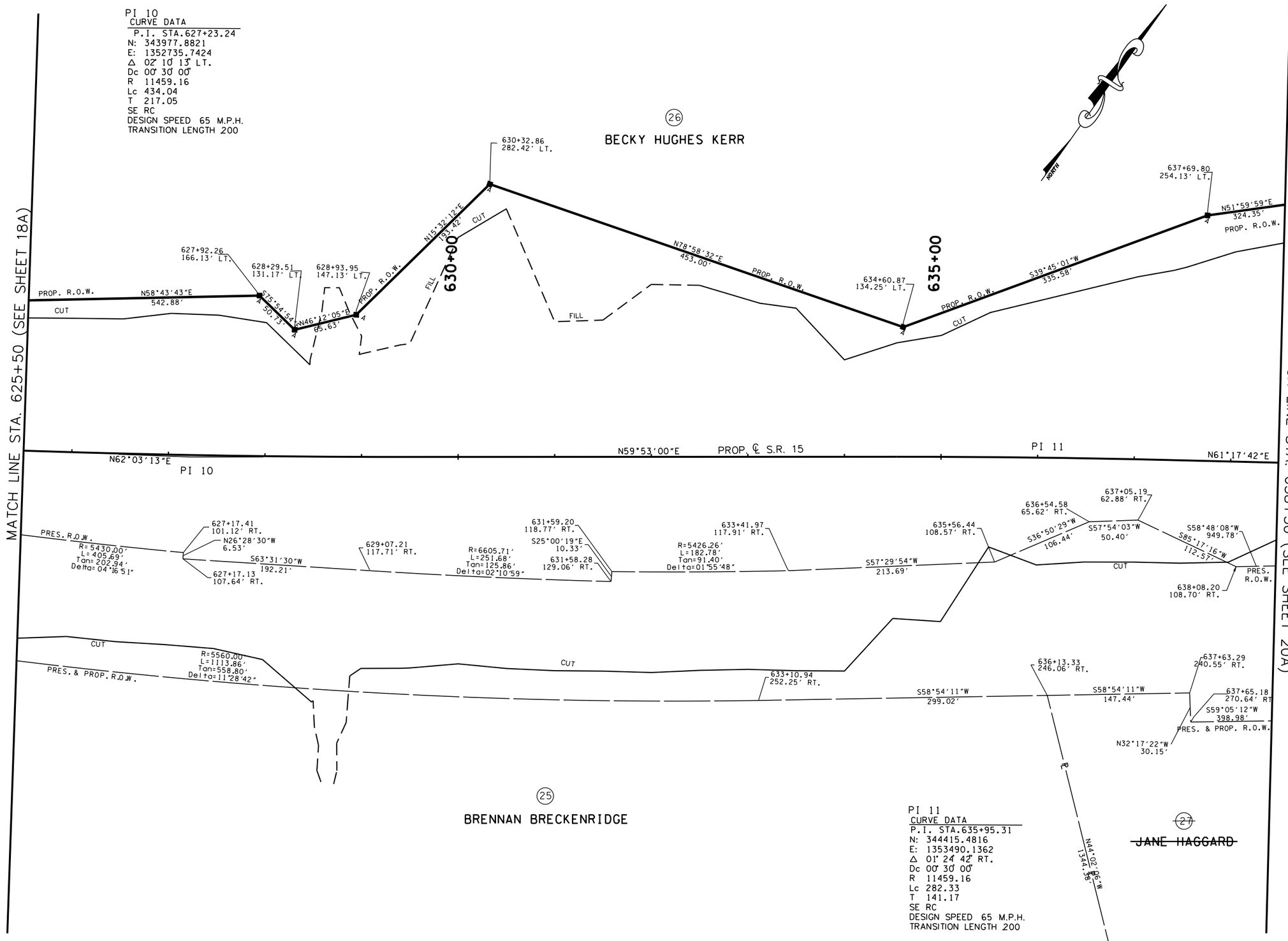
REV. 2-08-10
REVISED EXIST. SURVEY DATA TRACTS 25, 26 & 27

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACT 25

REV. 1-12-11
REVISED OWNER TRACT 25

REV. 4-22-11
REMOVED FEATURES NOT NEEDED

REV. 9-23-13
REVISED SLOPE LIMITS ALONG DRIVE AT STA. 628+67 RT



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 625+50
TO
STA. 638+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	19B
CONST	2014	36001-3290-14	

REV. 2-08-10

ADDED S-16, S-17, & WWC-25

REV. 5-26-10

REVISED C/F LIMITS DRWY TRACT 25

REV. 2-24-12

REVISED ENVIRONMENTAL FEATURES

ADDED CONSTRUCTION NOTE

REV. 9-4-12

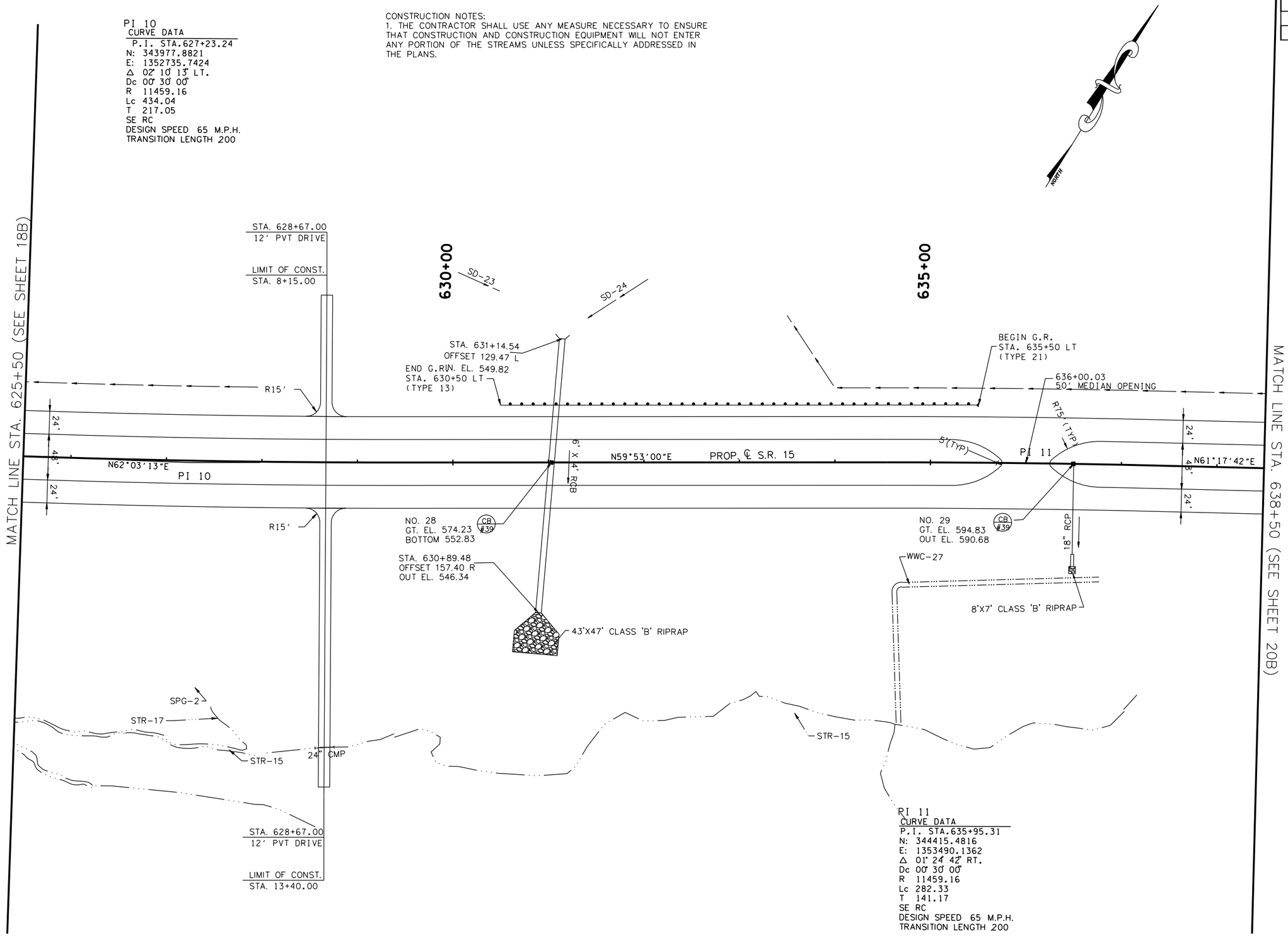
REVISED STREAMS 15, 16 &17 LOCATION

REV. 9-23-13

ADDED PIPE UNDER DRIVE AT STA. 628+67 RT.

CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION AND CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THE STREAMS UNLESS SPECIFICALLY ADDRESSED IN THE PLANS.

PI 10
CURVE DATA
P.I. STA.627+23.24
N: 343977.8821
E: 1352735.7424
Δ 02° 10' 13" LT.
Dc 00° 30' 00"
R 11459.16
Lc 434.04
T 217.05
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200



PI 11
CURVE DATA
P.I. STA.635+95.31
N: 344415.4816
E: 1353490.1362
Δ 01° 24' 42" RT.
Dc 00° 30' 00"
R 11459.16
Lc 282.33
T 141.17
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 625+50
TO
STA. 638+50
SCALE: 1" = 50'

8/16/2014
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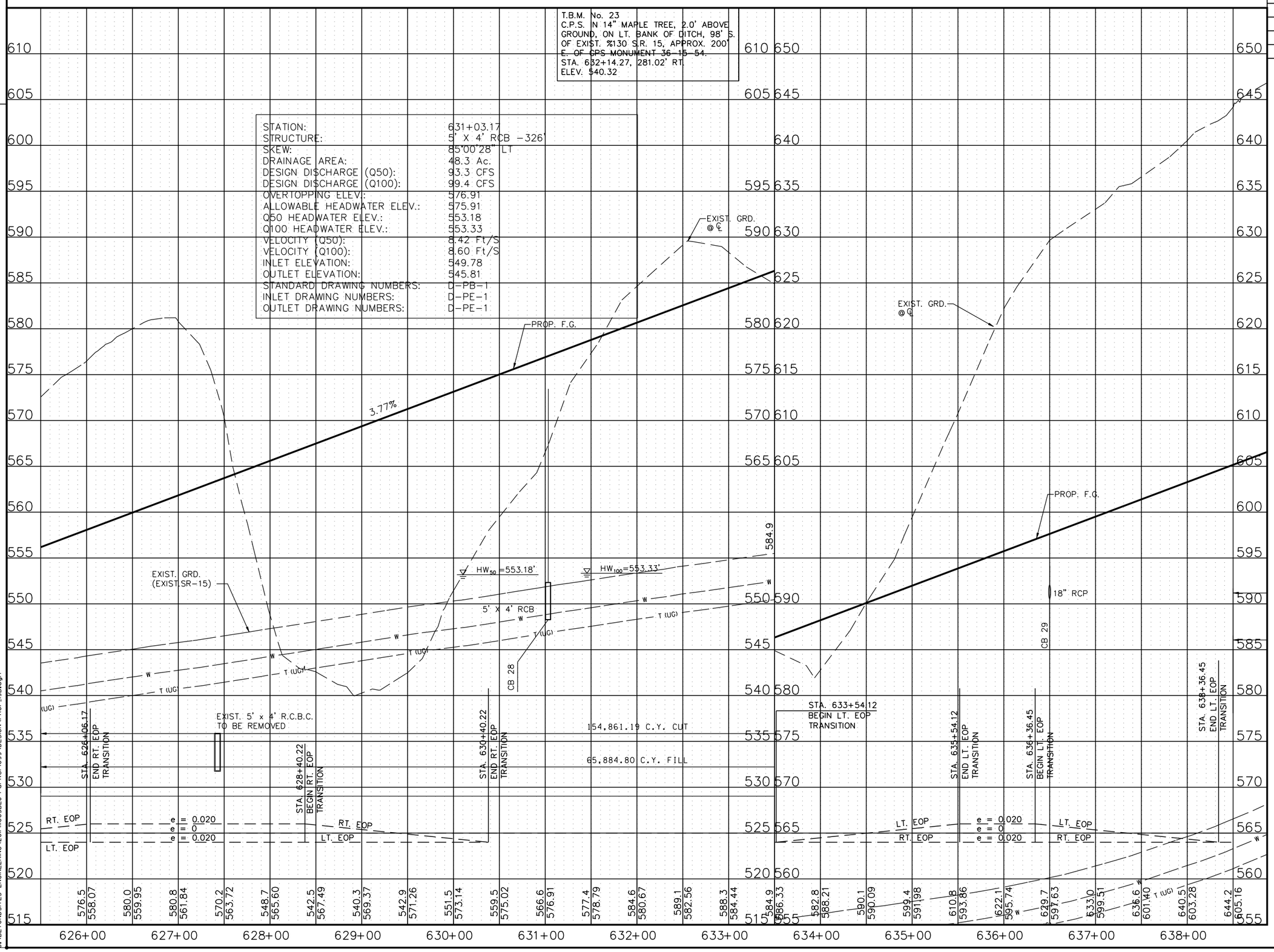
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	19C
CONST	2014	36001-3290-14	

T.B.M. No. 23
C.P.S. N 14" MAPLE TREE, 2.0' ABOVE GROUND, ON LT. BANK OF DITCH, 98' S. OF EXIST. %130 S.R. 15, APPROX. 200' E. OF CPS MONUMENT 36-15-54.
STA. 632+14.27, 281.02' RT.
ELEV. 540.32

STATION:	631+03.17
STRUCTURE:	5' X 4' RCB -326'
SKEW:	85°00'28" LT
DRAINAGE AREA:	48.3 Ac.
DESIGN DISCHARGE (Q50):	93.3 CFS
DESIGN DISCHARGE (Q100):	99.4 CFS
OVERTOPPING ELEV.:	576.91
ALLOWABLE HEADWATER ELEV.:	575.91
Q50 HEADWATER ELEV.:	553.18
Q100 HEADWATER ELEV.:	553.33
VELOCITY (Q50):	8.42 Ft/S
VELOCITY (Q100):	8.60 Ft/S
INLET ELEVATION:	549.78
OUTLET ELEVATION:	545.81
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-1
OUTLET DRAWING NUMBERS:	D-PE-1



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 625+50
TO
STA. 638+50
SCALE: 1" = 50'H, 5'V

8/6/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	20
CONST	2014	36001-3290-14	

REV. 2-08-10

REMOVE TRACT 28 FROM ROW ACQUISITION

REMOVE ROW CALL OUTS

ADDED NOTE FOR ROW CALLS

ADDED S-14 & S-18

REV. 1-12-11
REVISED OWNER TRACT 26

REV. 4-22-11

REMOVED ROW CALL OUTS

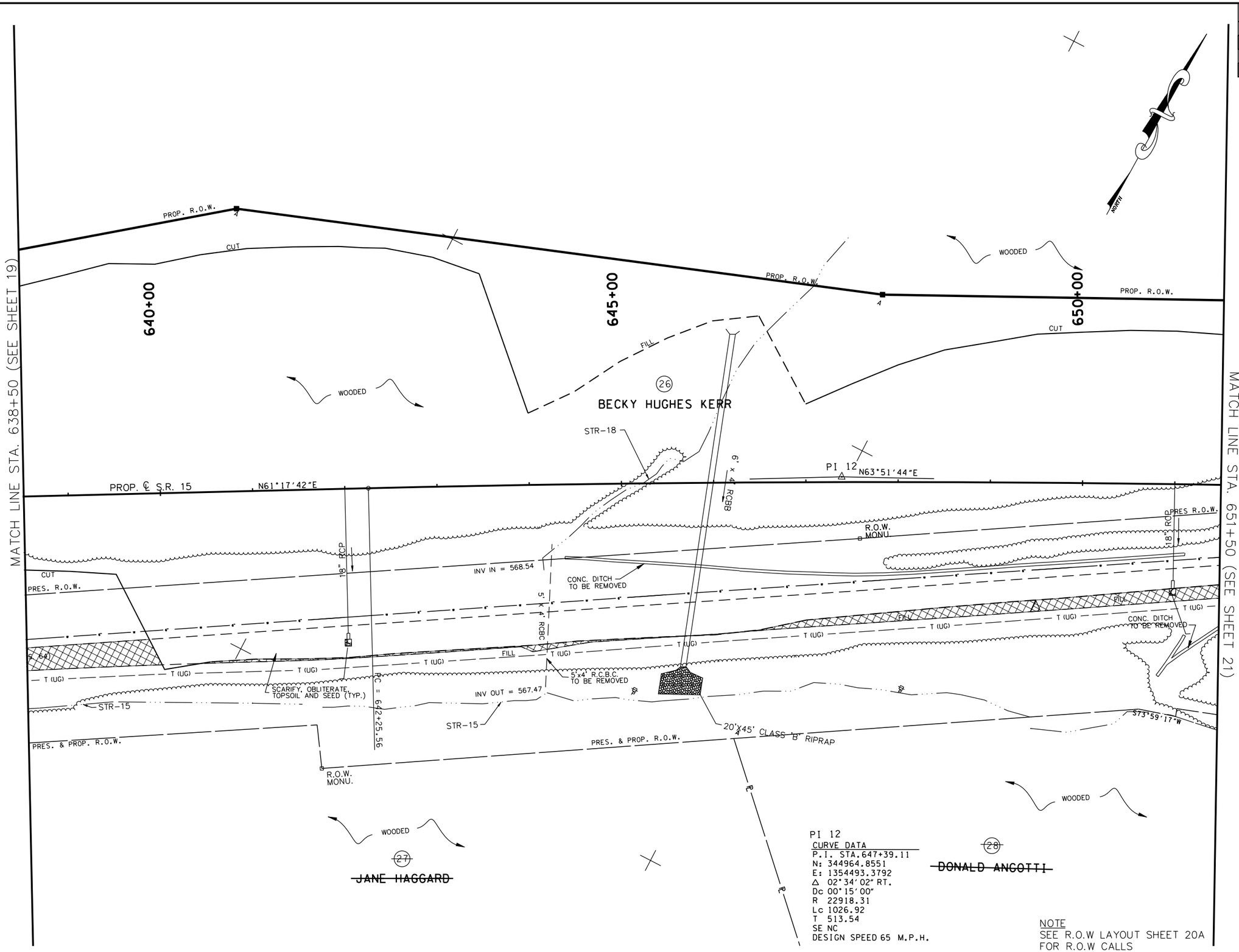
REVISED EXIST PVMT SCARIFICATION LIMITS

REV. 2-24-12

REVISED ENVIRONMENTAL FEATURES

REV. 9-4-12

REVISED STREAM 15 LOCATION



PI 12
CURVE DATA
P.I. STA.647+39.11
N: 344964.8551
E: 1354493.3792
Δ 02°34'02" RT.
Dc 00°15'00"
R 22918.31
Lc 1026.92
T 513.54
SE NC
DESIGN SPEED 65 M.P.H.

NOTE
SEE R.O.W LAYOUT SHEET 20A
FOR R.O.W CALLS

BURGEL T. JACKSON III
STATE OF TENNESSEE
8-14-2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 638+50
TO
STA. 651+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	20A
CONST	2014	36001-3290-14	

REV. 2-08-10

REMOVED TRACT 28 FROM ROW ACQUISITION

DELETED ROW MARKERS TRACT 28

REVISED EXIST SURVEY DATA TRACTS 27 & 28

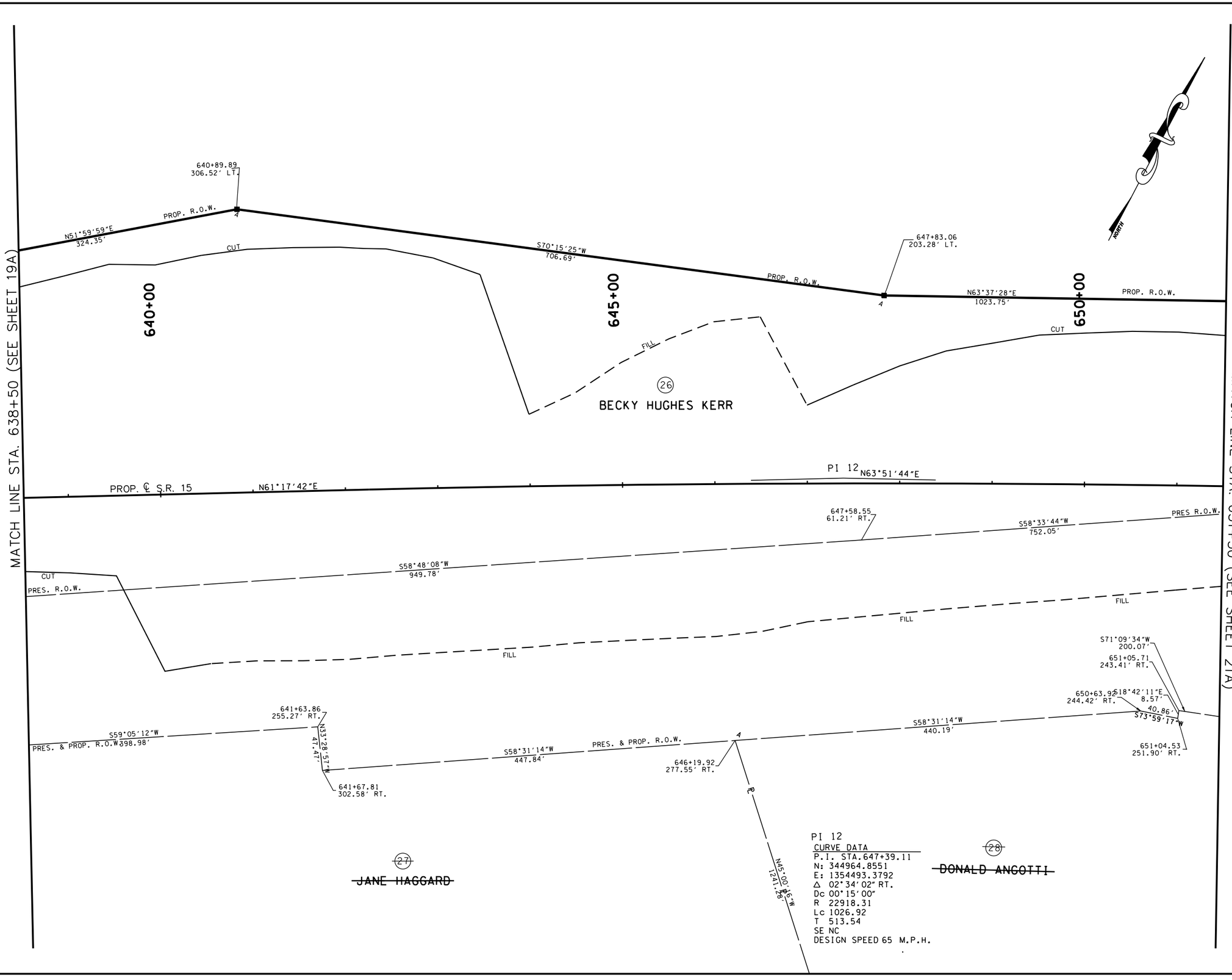
REVISED PROP ROW TRACT 26

REV. 1-12-11

REMOVED OWNER TRACT 26

REV. 4-22-11

REMOVED FEATURES NOT NEEDED



PI 12
CURVE DATA
P.I. STA.647+39.11
N: 344964.8551
E: 1354493.3792
Δ 02°34'02" RT.
Dc 00°15'00"
R 22918.31
Lc 1026.92
T 513.54
SE NC
DESIGN SPEED 65 M.P.H.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 638+50
TO
STA. 651+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

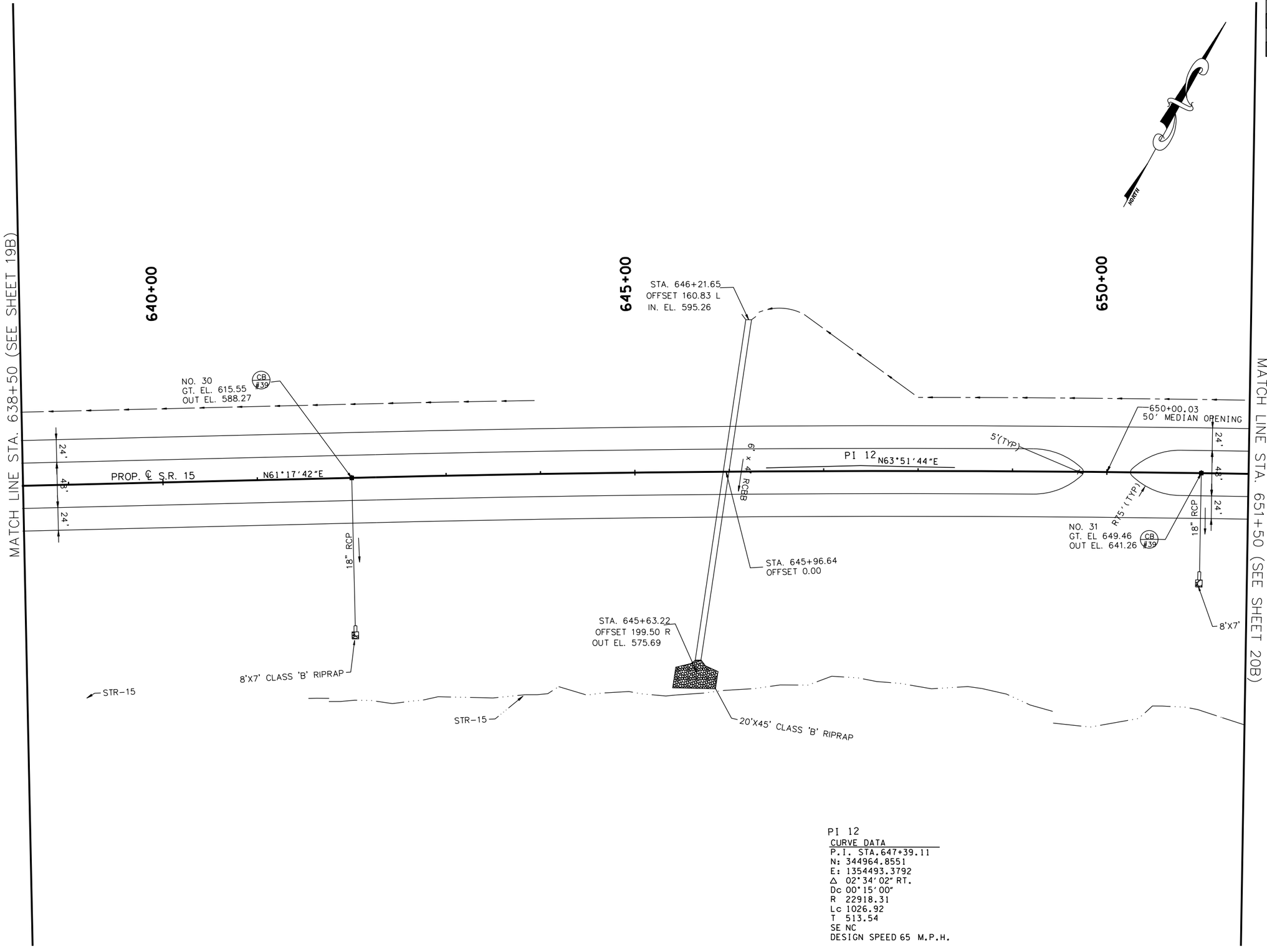
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	20B
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-14 & S-18

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

REV. 9-4-12
REVISED STREAM 15 LOCATION

REV. 9-23-13
ADDED TEMP. PIPE



PI 12
CURVE DATA
P.I. STA.647+39.11
N: 344964.8551
E: 1354493.3792
Δ 02°34'02" RT.
Dc 00°15'00"
R 22918.31
Lc 1026.92
T 513.54
SE NC
DESIGN SPEED 65 M.P.H.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 638+50
TO
STA. 651+50
SCALE: 1" = 50'

8/16/2014
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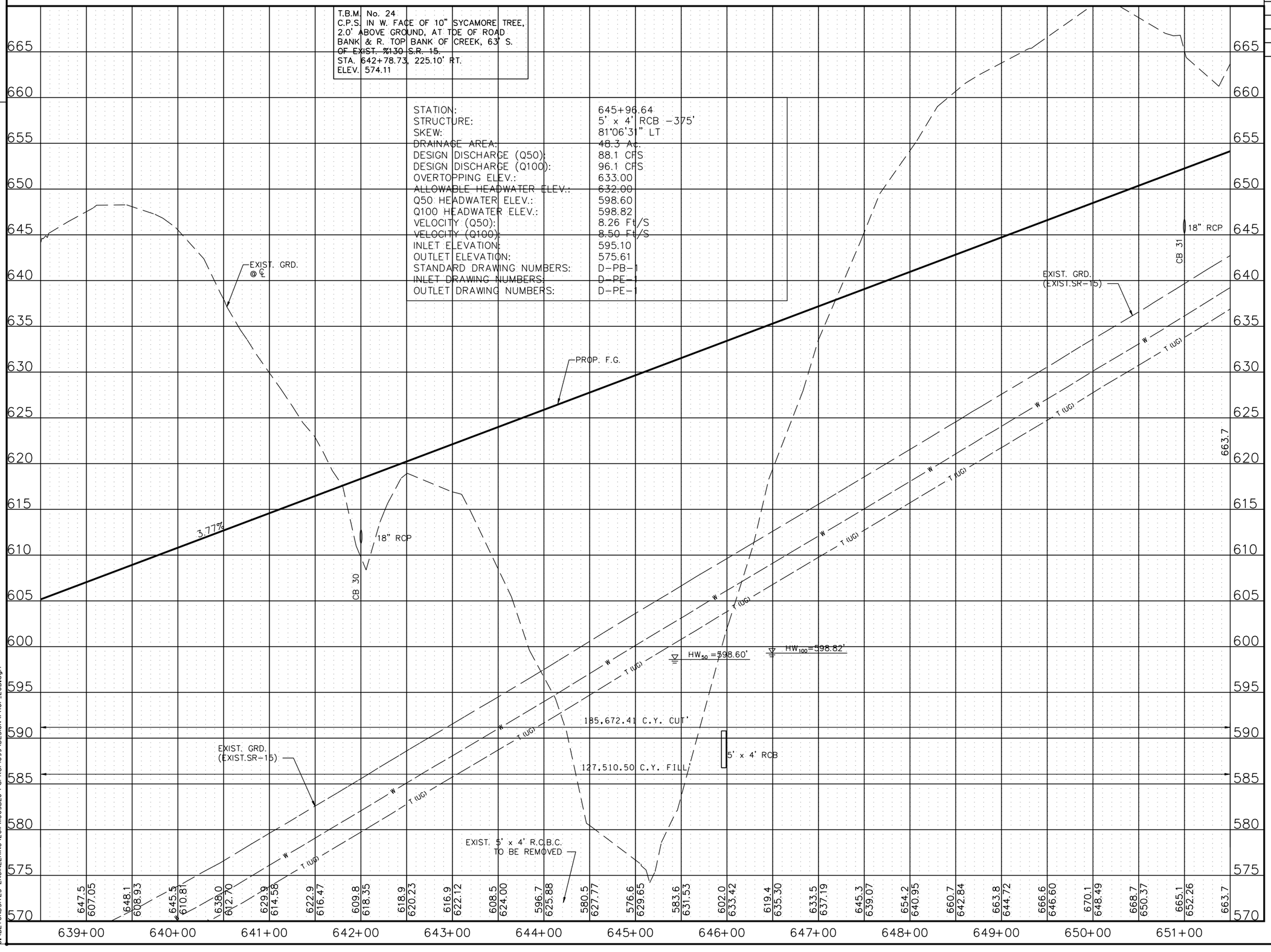
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	20C
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 638+50
TO
STA. 651+50
SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	21
CONST	2014	36001-3290-14	

REV. 2-08-10

REMOVED TRACT 28 FROM ROW ACQUISITION

ADDED S-14,WWC-27

REMOVED ROW CALL OUTS

ADDED NOTE FOR ROW CALLS

ADDED DRWY TRACT 26

REV. 5-26-10

REVISED C/F LIMITS DRWY TRACTS 29 & 83

REV. 1-12-11

REVISED OWNER TRACT 26

REV. 4-22-11

REMOVED ROW CALL OUTS

REVISED EXIST PVMT SCARIFICATION LIMITS

REV. 2-24-12

REVISED ENVIRONMENTAL FEATURES

RELOCATED CULVERT AT 659+63 TO 659+17

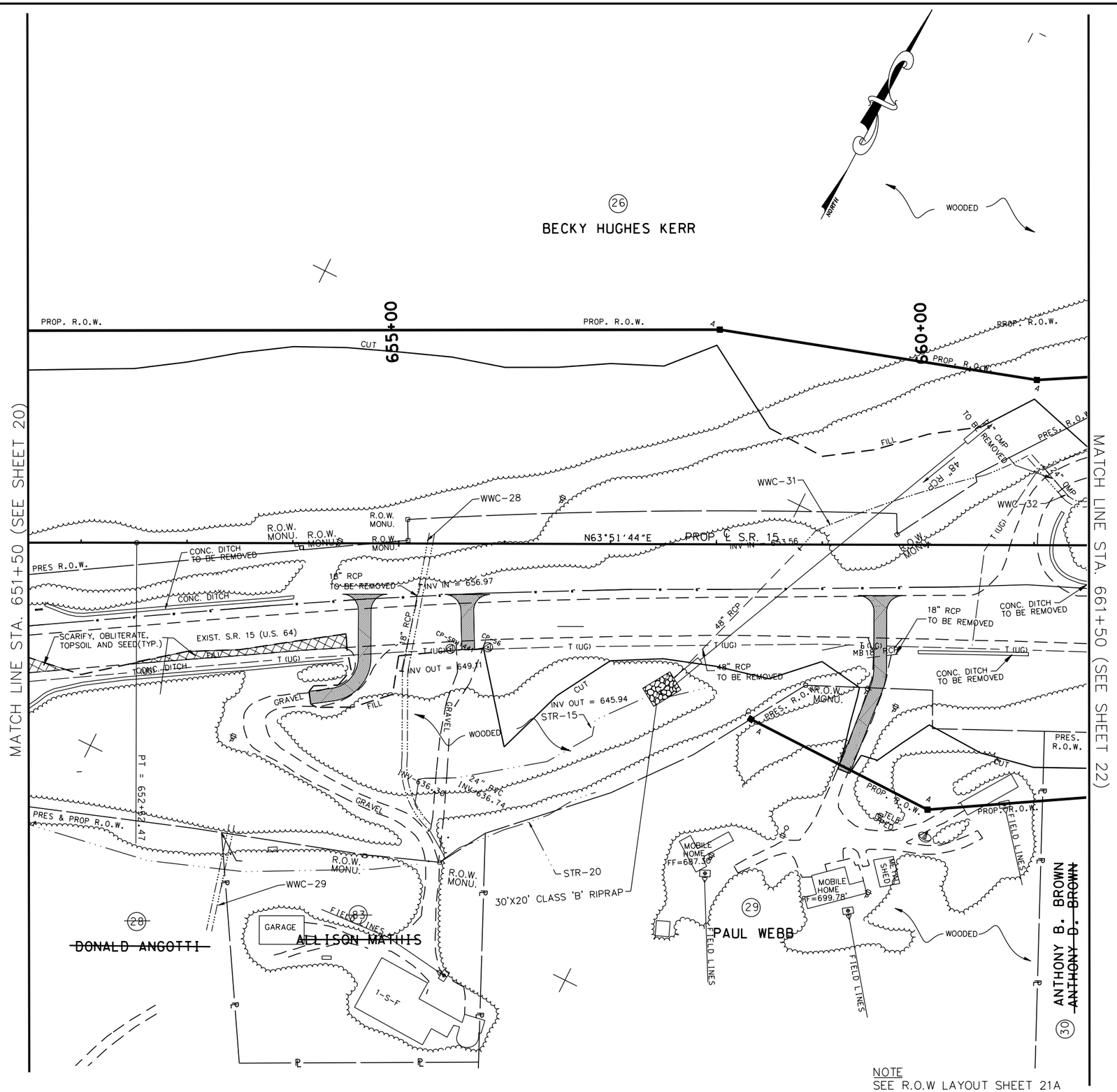
REVISED DW AT STA. 655+63.51 RT.

REV. 9-4-12

REVISED STREAM 15 LOCATION

REV. 7-15-13

ADDED RIPRAP



NOTE
SEE R.O.W LAYOUT SHEET 21A
FOR R.O.W CALLS

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 651+50
TO
STA. 661+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	21A
CONST	2014	36001-3290-14	

REV. 2-08-10

REMOVED TRACT 28 FROM ROW ACQUISITION

REVISED EXIST SURVEY DATA TRACTS 26, 28, 29 & 83

REVISED PROP ROW TRACT 29

REV. 5-26-10

REVISED C/F LIMITS DRWY TRACTS 29 & 83

REV. 1-12-11

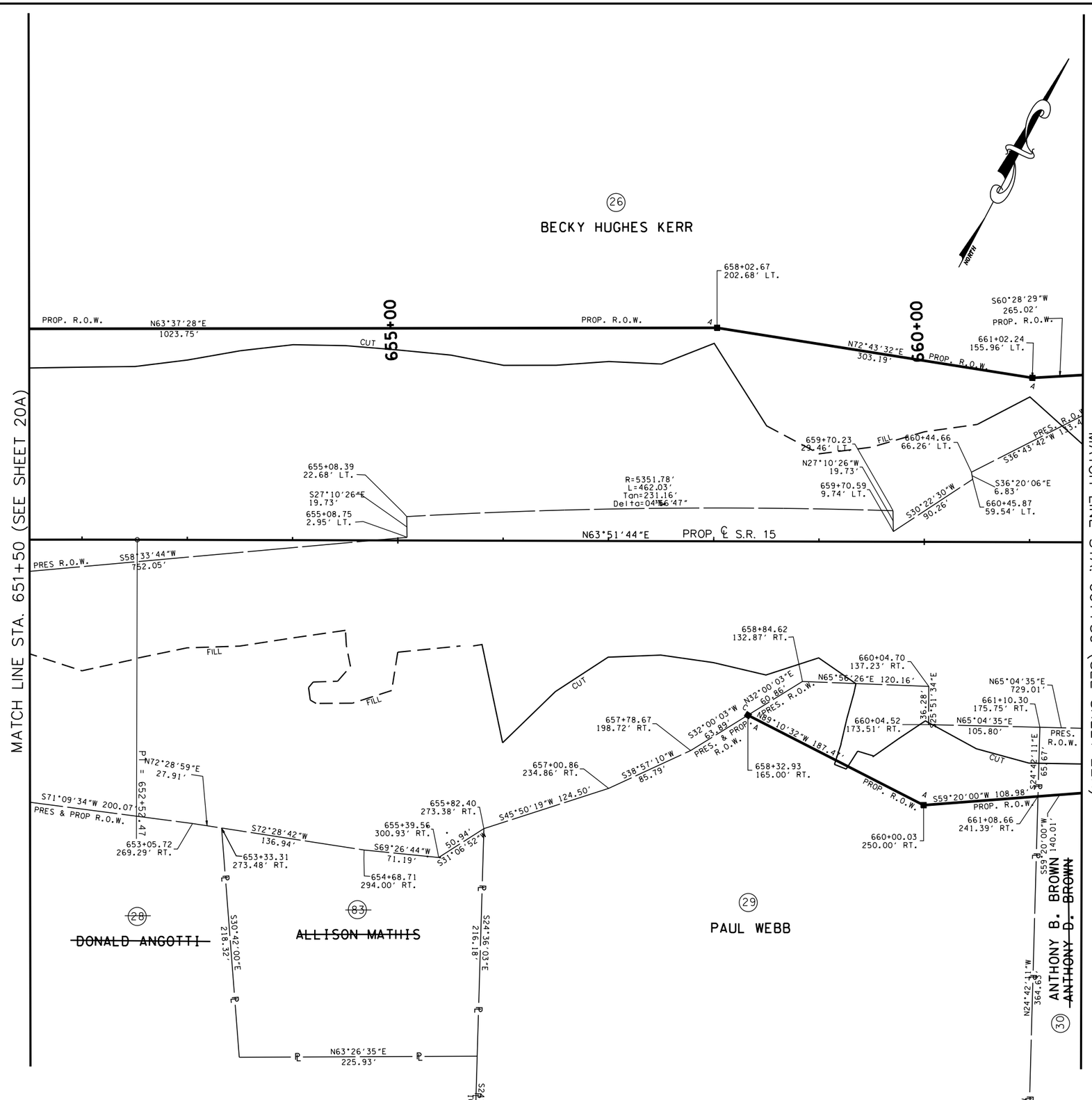
REVISED OWNER TRACT 26

REV. 4-22-11

REMOVED FEATURES NOT NEEDED

REV. 2-24-12

REVISED C/F LIMITS



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 651+50
TO
STA. 661+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	21B
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-14, WWC-27
ADDED DRWY TRACT 26

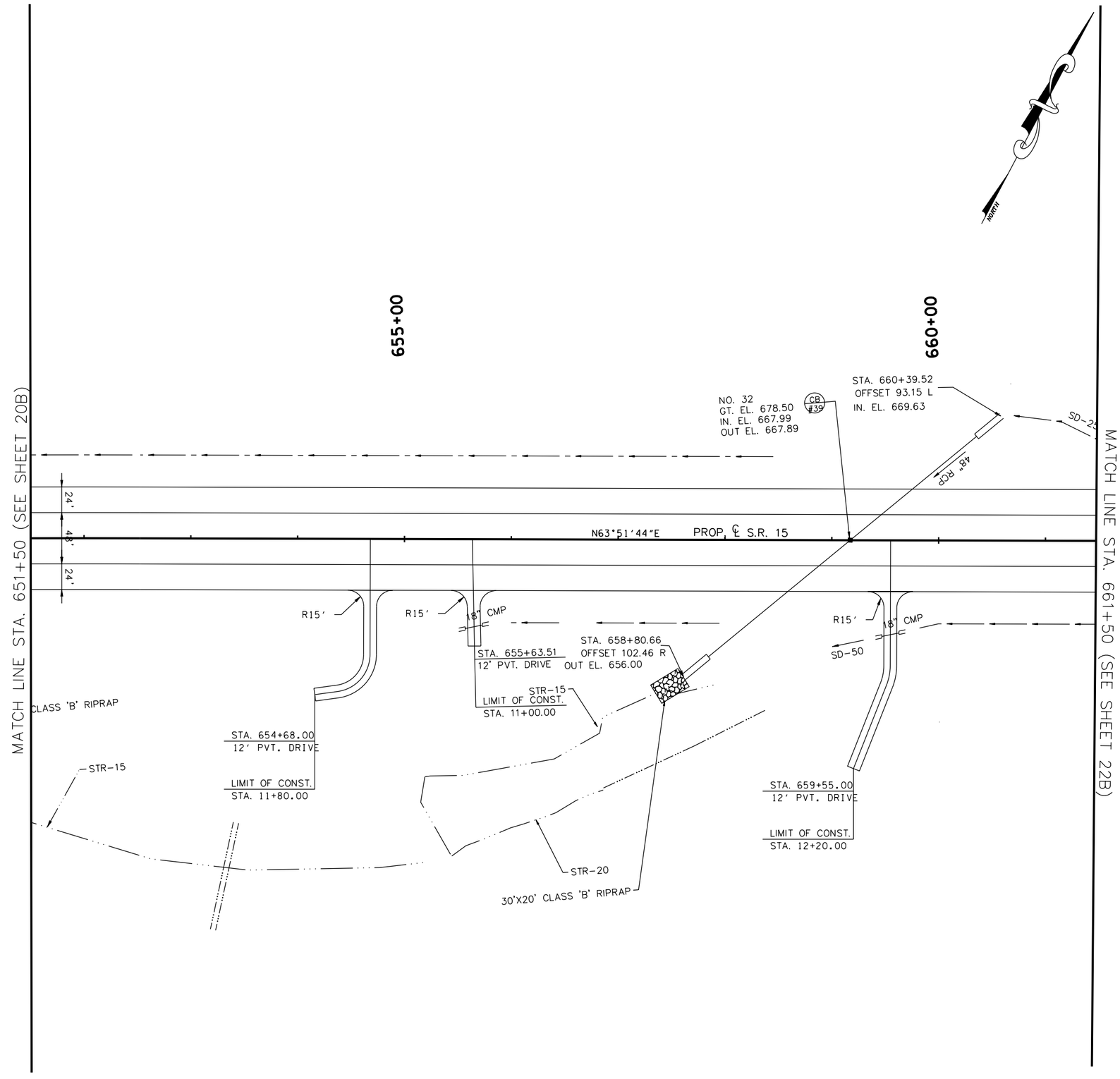
REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 29 & 83

REV. 1-05-12
REVISED ENVIRONMENTAL FEATURES

REV. 2-24-12
RELOCATED CULVERT AT 659+63 TO 659+17
REVISED DW AT STA. 655+63.51 RT.

REV. 9-4-12
REVISED STREAM 15 LOCATION

REV. 7-15-13
ADDED RIPRAP



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 651+50
TO
STA. 661+50
SCALE: 1" = 50'

8/6/2014
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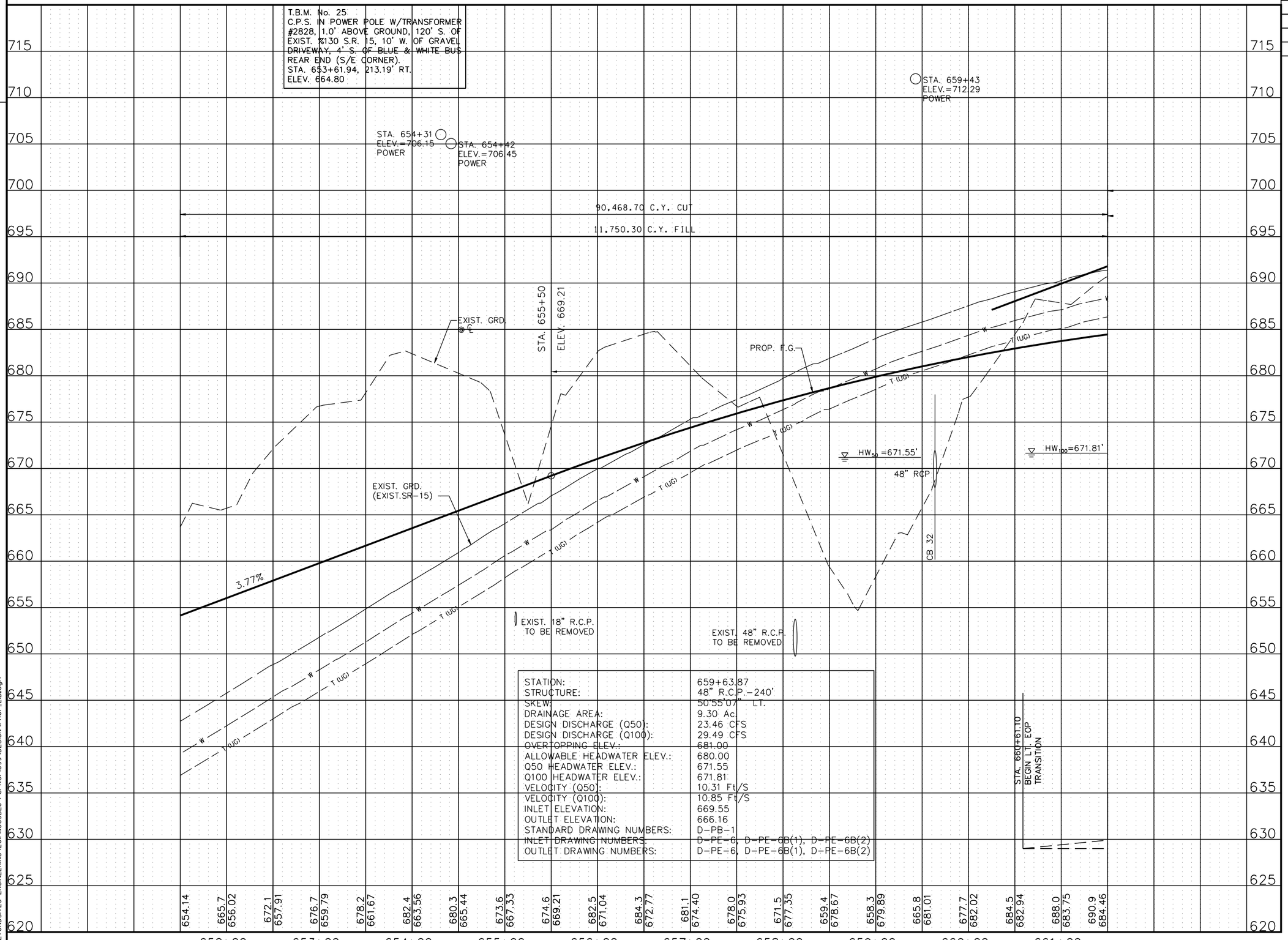
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	21C
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 651+50
TO
STA. 661+50
SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	22
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-14 & WWC-28
ADDED DRWY TRACT 34
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 26, 33 & 34

REV. 11-29-10
REVISED ALIGN CERRO GORDO & COY HILL RDS.
REVISED PROP ROW TRACTS 26 & 30
REVISED DRIVEWAY TRACT 26

REV. 1-12-11
REVISED OWNER TRACT 26

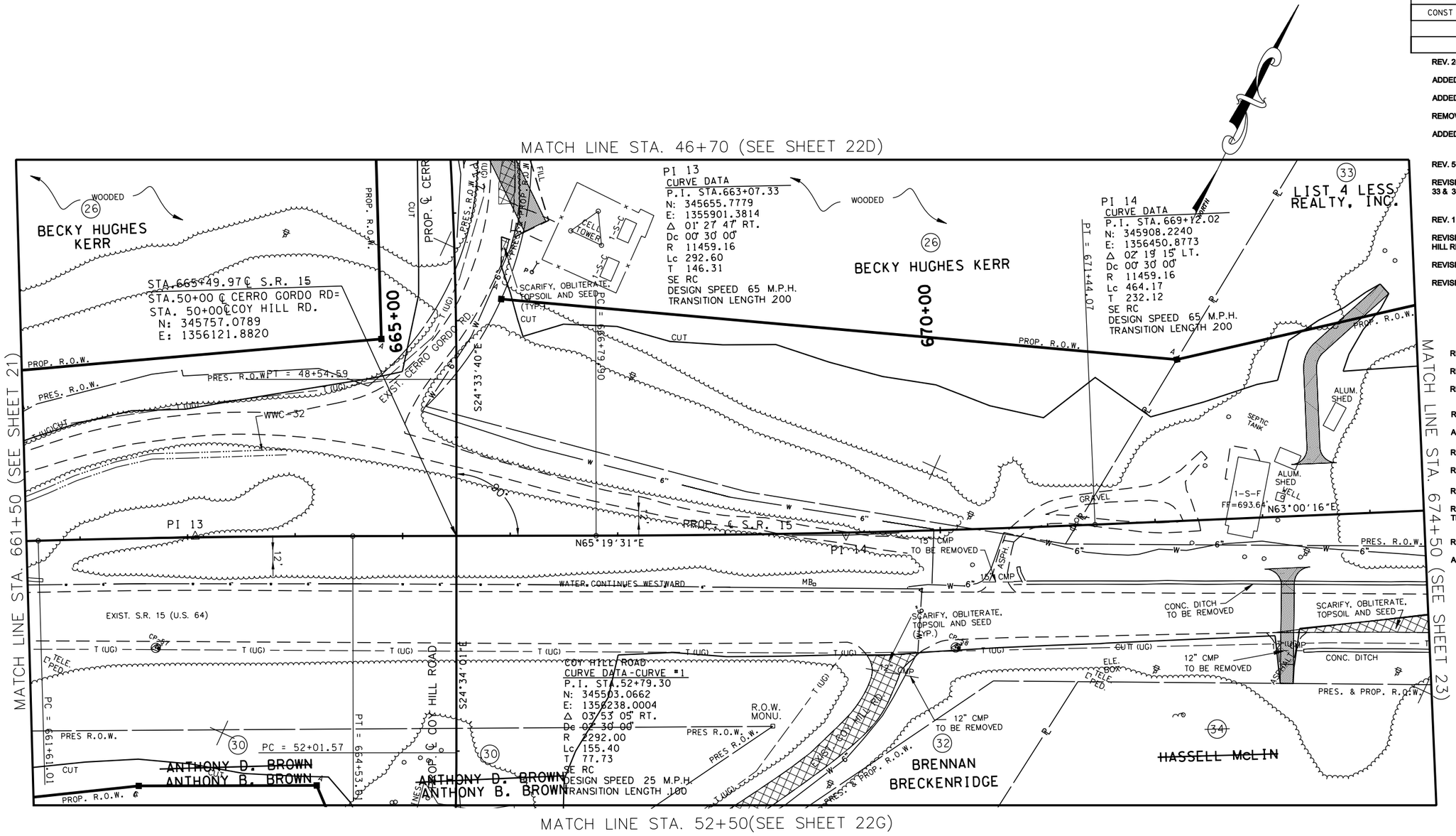
REV. 4-22-11
REMOVED ROW CALL OUTS
REVISED EXIST PVMT SCARIFICATION LIMITS

REV. 8-12-11
ADDED EXISTING WATER LINE

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

REV. 5-18-12
REVISED PROPERTY OWNER FOR TRACT 33

REV. 10-XX-12
ADDED CURVE DATA FOR PI 13 AND PI 14



NOTE
SEE R.O.W LAYOUT SHEET 22A
FOR R.O.W CALLS

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 661+50
TO
STA. 674+50
SCALE: 1" = 50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	22A
CONST	2014	36001-3290-14	

REV. 2-08-10

REVISED EXIST. SURVEY DATA TRACTS 30 & 33

REV. 5-26-10

REVISED C/F LIMITS DRWY TRACTS 26, 33 & 34

REV. 11-29-10

REVISED ALIGN CERRO GORDO & COY HILL RDS

REVISED PROP ROW TRACTS 26 & 30

REVISED DRIVEWAY TRACT 26

REV. 1-12-11

REVISED OWNER TRACT 26

REV. 4-22-11

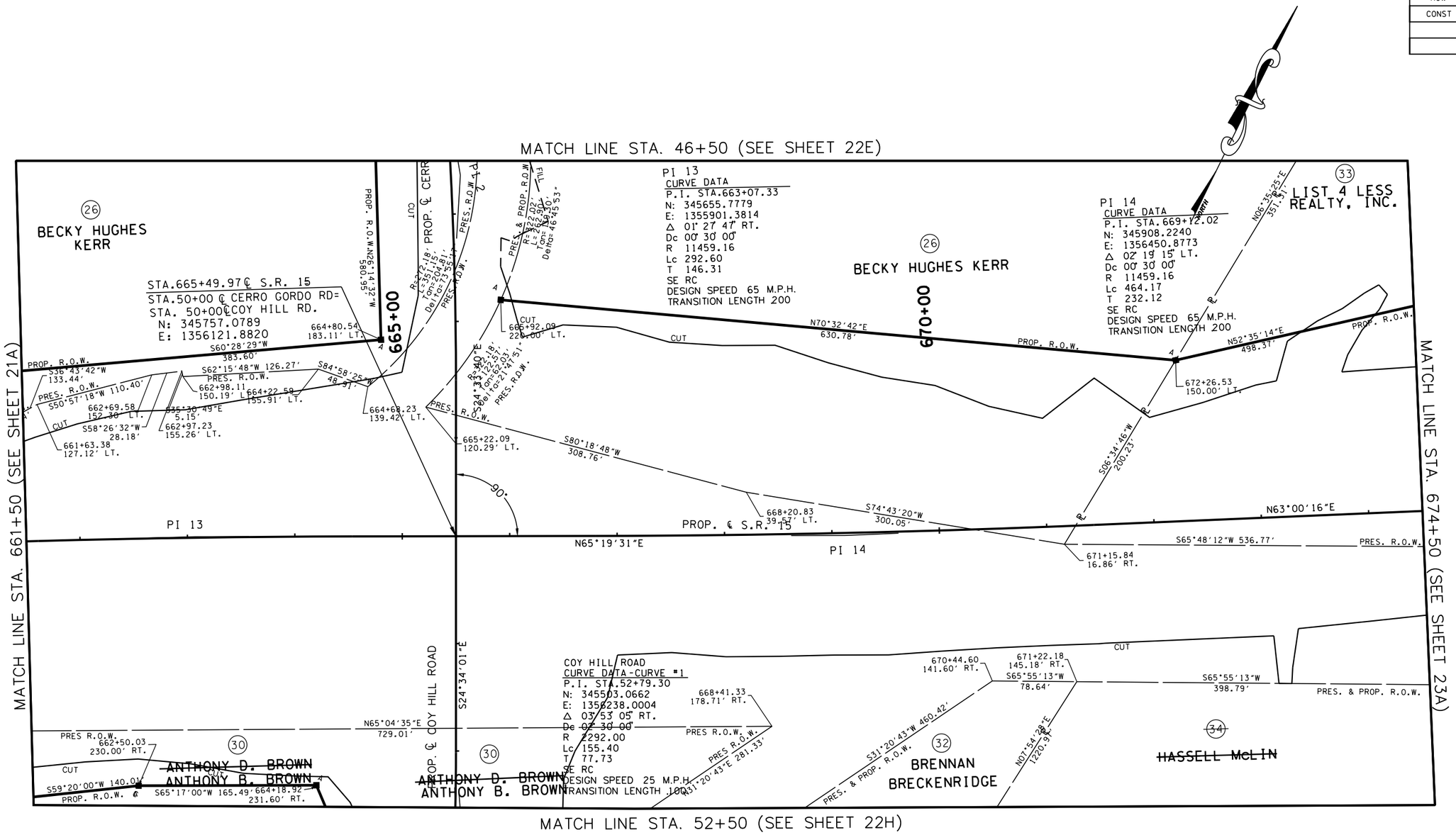
REMOVED FEATURES NOT NEEDED

REV. 5-18-12

REVISED PROPERTY OWNER FOR TRACT 33

REV. 10-XX-12

ADDED CURVE DATA FOR PI 13 AND PI 14



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 661+50
TO
STA. 674+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	22B
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-14 & WWC-28
ADDED DRWY TRACT 34

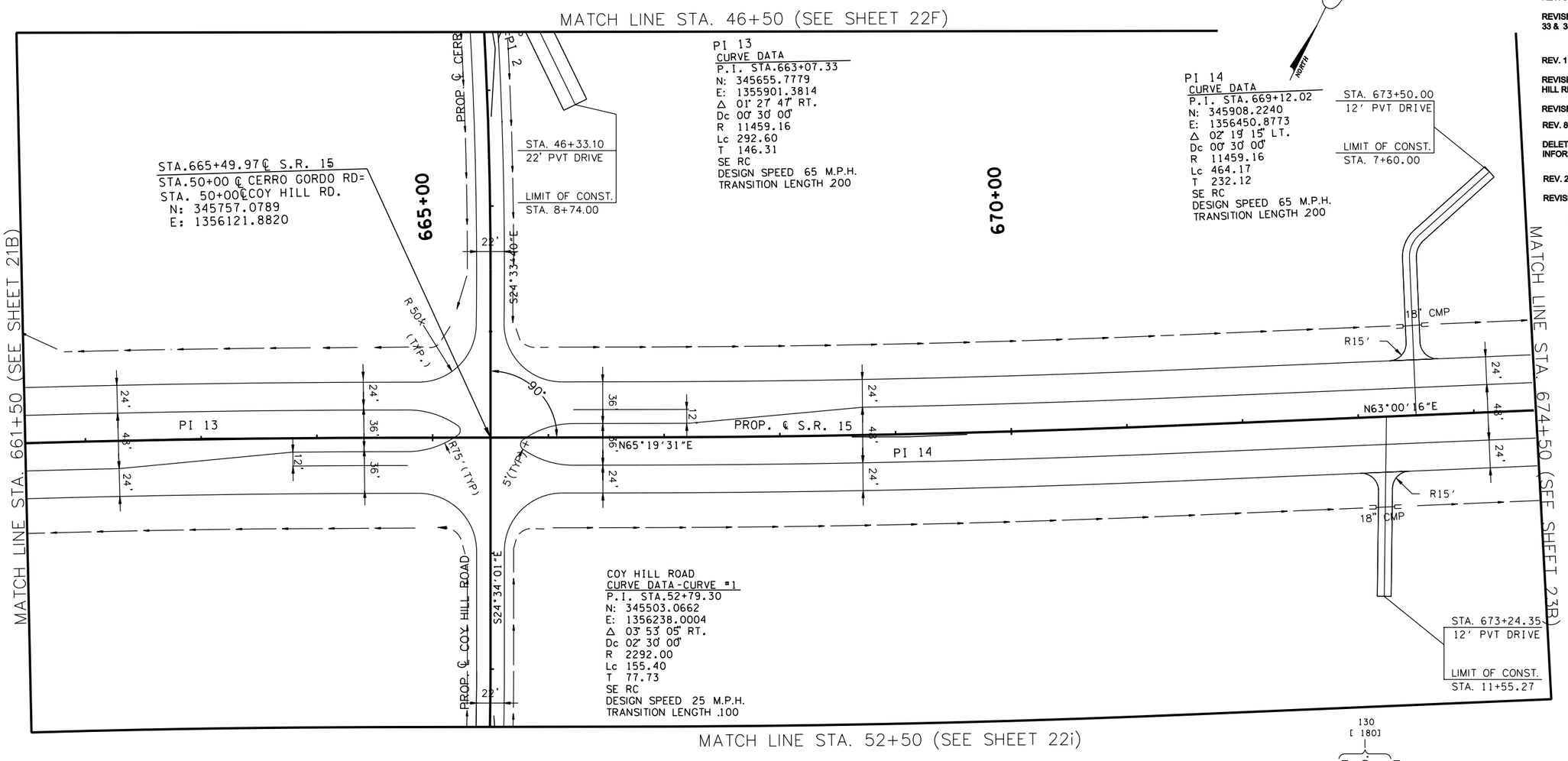
REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 26, 33 & 34

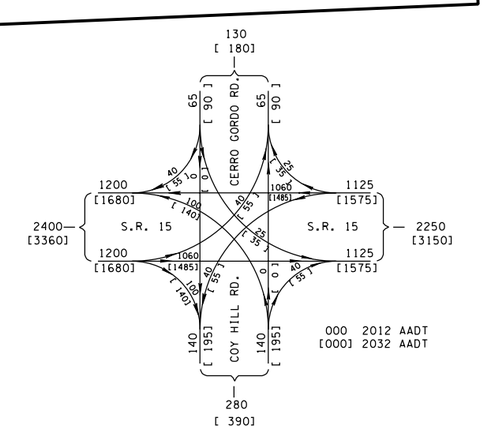
REV. 11-29-10
REVISED ALIGN CERRO GORDO & COY HILL RDS
REVISED DRIVEWAY TRACT 26

REV. 8-12-11
DELETED EXISTING CONDITION INFORMATION

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

REV. 10-XX-12
ADDED TURN LANES AND TURN LANE WIDTHS
ADDED CURVE DATA FOR PI 13 AND PI 14





COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 661+50
TO
STA. 674+50
SCALE: 1" = 50'

8/16/2014
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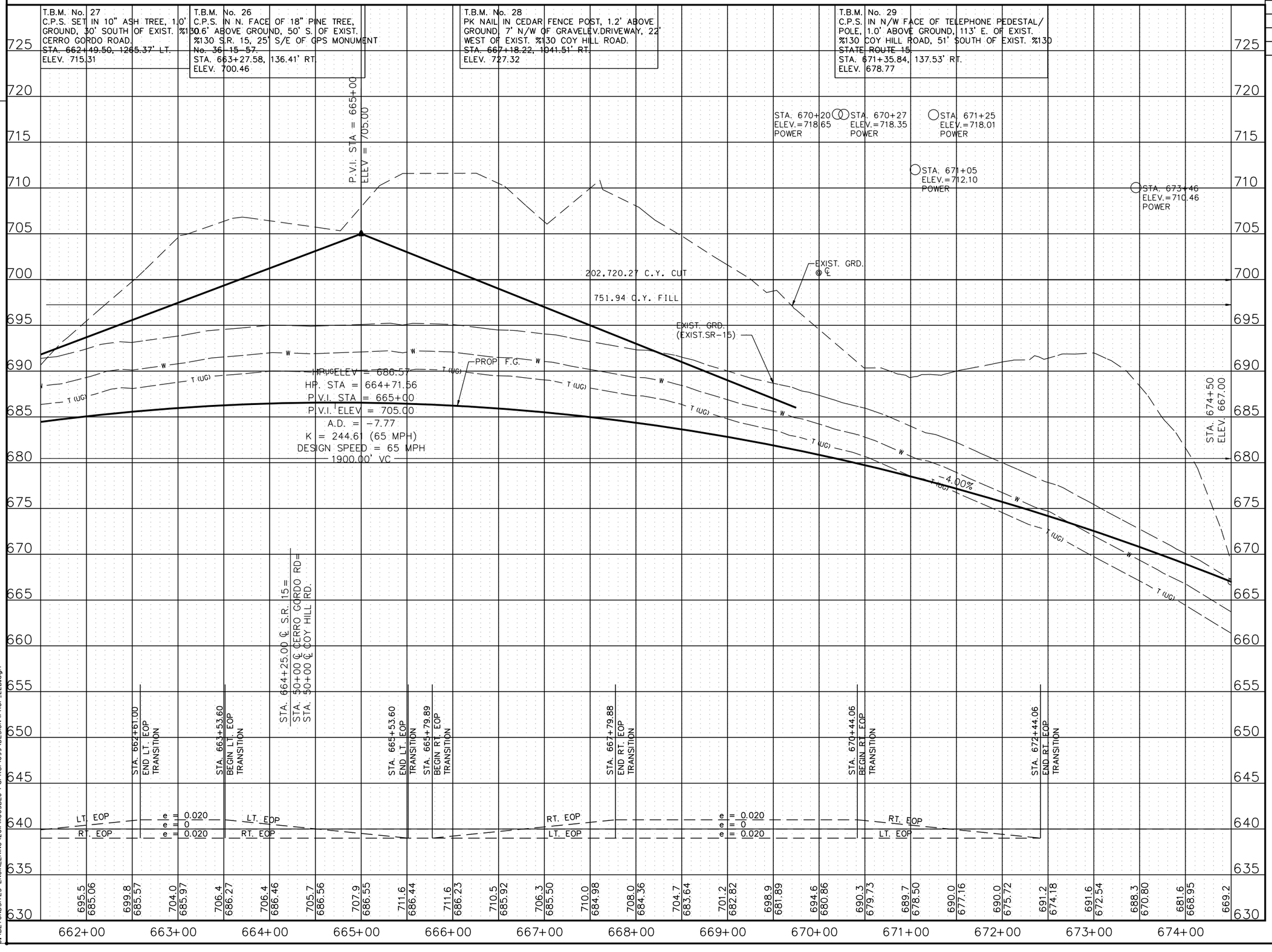
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	22C
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 661+50
TO
STA. 674+50
SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	22D
CONST	2014	36001-3290-14	

REV. 2-08-10
CHANGED SHEET TO PRESENT LAYOUT
REMOVED MISC. LINES
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS
ADDED S-14

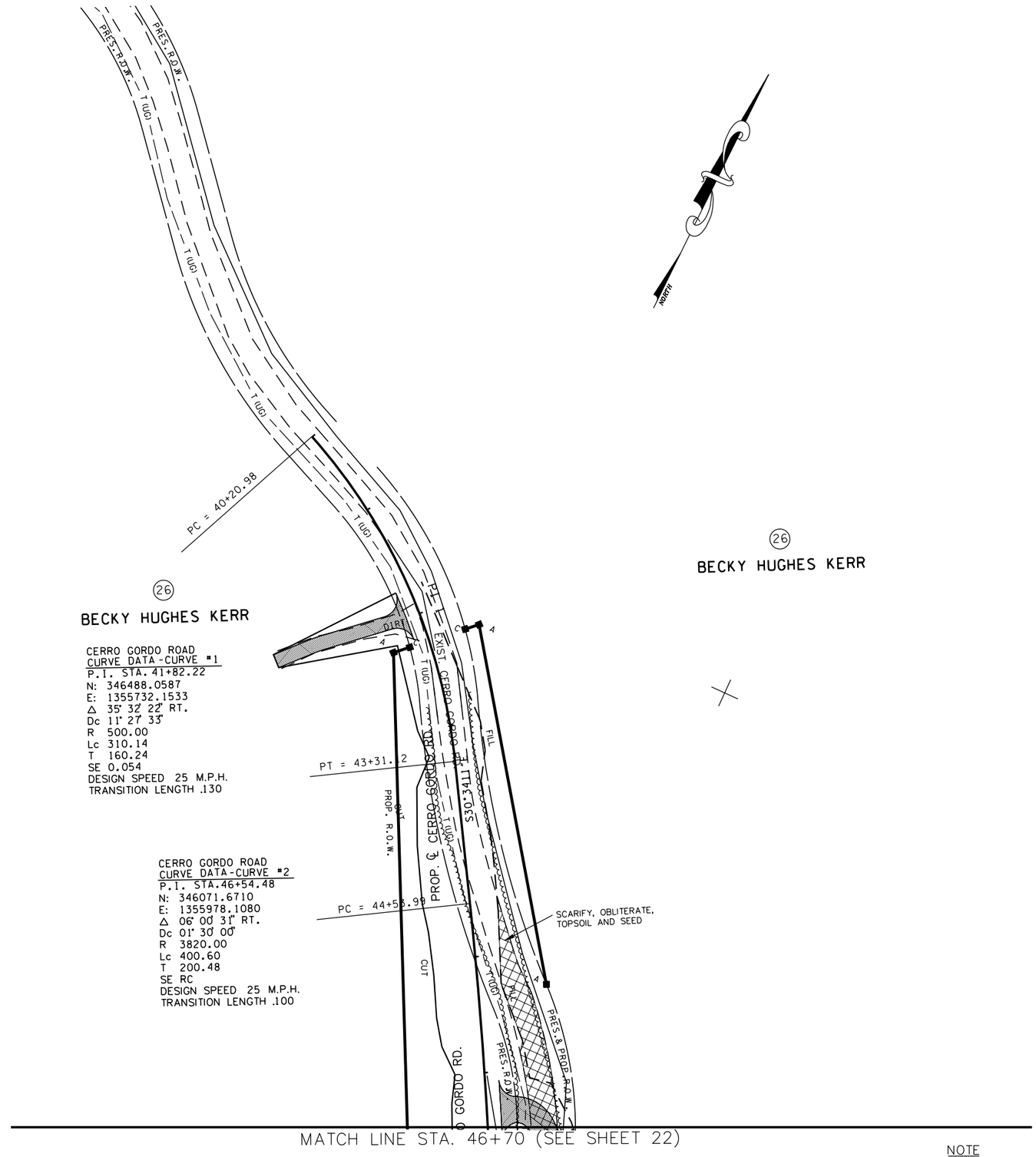
REV. 11-29-10
REVISED ALIGN CERRO GORDO RD
REVISED PROP ROW TRACT 26

REV. 1-12-11
REVISED OWNER TRACT 26

REV. 3-18-11
ADDED EXIST DRWY TRACT 26
ADDED PROP DRWY TRACT 26

REV. 4-22-11
REMOVED ROW CALL OUTS
REVISED EXIST PVMT SCARIFICATION LIMITS
REMOVED EXTRA ROW MARKERS TRACT 26

REV. 11-22-13
REMOVED S-14



CERRO GORDO ROAD
CURVE DATA-CURVE #1
P.I. STA. 41+82.22
N: 346488.0587
E: 1355732.1533
Δ 35° 32' 22" RT.
Dc 11° 27' 33"
R 500.00
Lc 310.14
T 160.24
SE 0.054
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH .130

CERRO GORDO ROAD
CURVE DATA-CURVE #2
P.I. STA.46+54.48
N: 346071.6710
E: 1355978.1080
Δ 06° 00' 31" RT.
Dc 01° 30' 00"
R 3820.00
Lc 400.60
T 200.48
SE RC
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH .100

NOTE
SEE R.O.W LAYOUT SHEET 22E
FOR R.O.W CALLS

BIRGEL T. JACKSON III
STATE OF TENNESSEE
12/18/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
CERRO GORDO ROAD

SCALE: 1" = 50'

8/6/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	22E
CONST	2014	36001-3290-14	

REV. 2-08-10
REVISED EXIST. SURVEY DATA TRACT 26

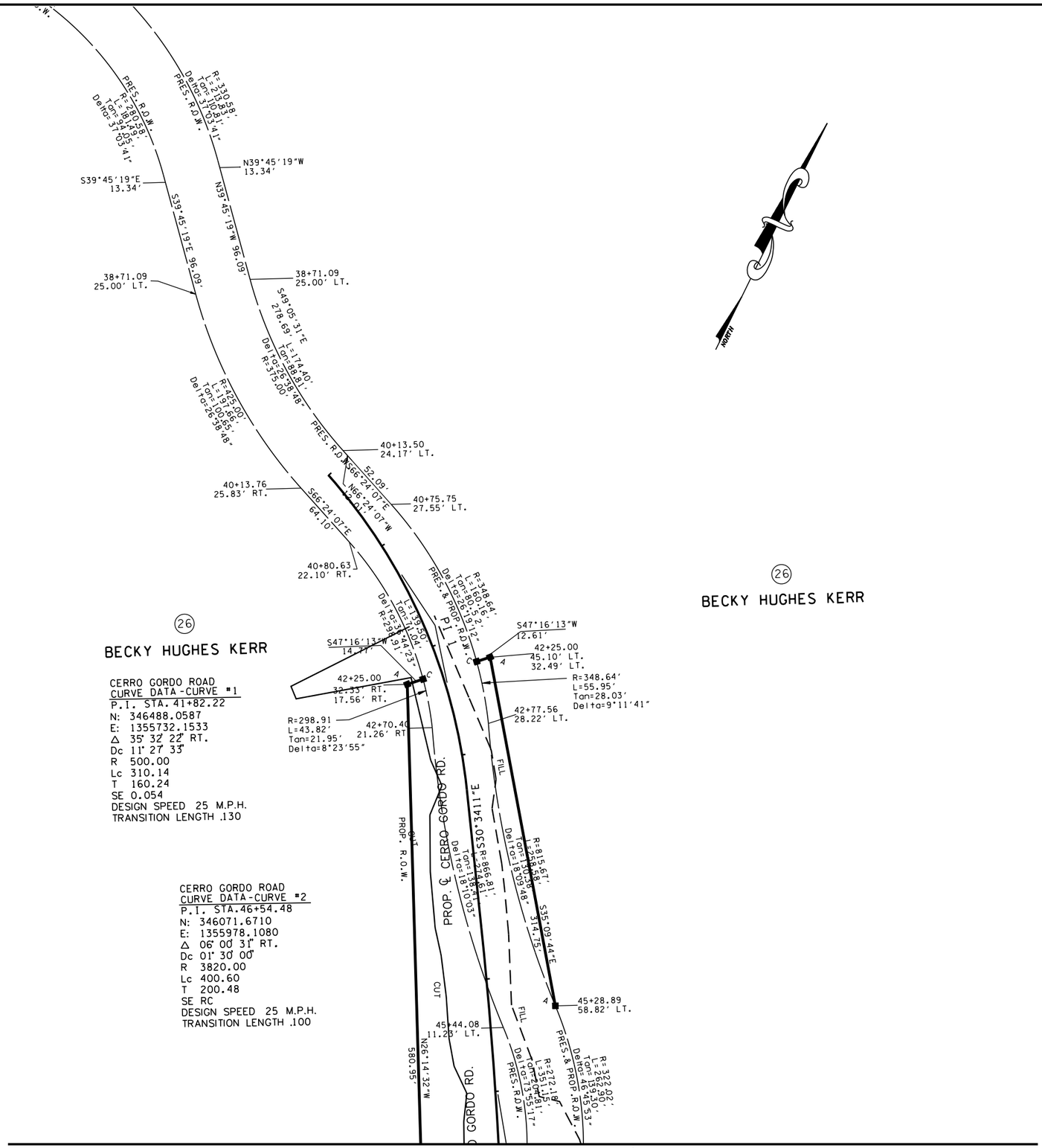
REV. 11-29-10
REVISED ALIGN CERRO GORDO RD
REVISED PROP ROW TRACT 26

REV. 1-12-11
REVISED OWNER TRACT 26

REV. 2-08-11
REVISED ROW STA/OFFSETS TRACT 26
ADDED ROW DISTANCES TRACT 26

REV. 4-22-11
REVISED STA/OFF EXIST ROW TRACT 26
REMOVED EXTRA ROW MARKERS TRACT 26

REV. 8-16-11
REVISED EXIST ROW CURVES



CERRO GORDO ROAD
CURVE DATA-CURVE #1
P.I. STA. 41+82.22
N: 346488.0587
E: 1355732.1533
Δ 35° 32' 22" RT.
Dc 11° 27' 33"
R 500.00
Lc 310.14
T 160.24
SE 0.054
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH .130

CERRO GORDO ROAD
CURVE DATA-CURVE #2
P.I. STA.46+54.48
N: 346071.6710
E: 1355978.1080
Δ 06° 00' 31" RT.
Dc 01° 30' 00"
R 3820.00
Lc 400.60
T 200.48
SE RC
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH .100

MATCH LINE STA. 46+50 (SEE SHEET 22A)

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
CERRO GORDO
ROAD

SCALE: 1" = 50'

8/6/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

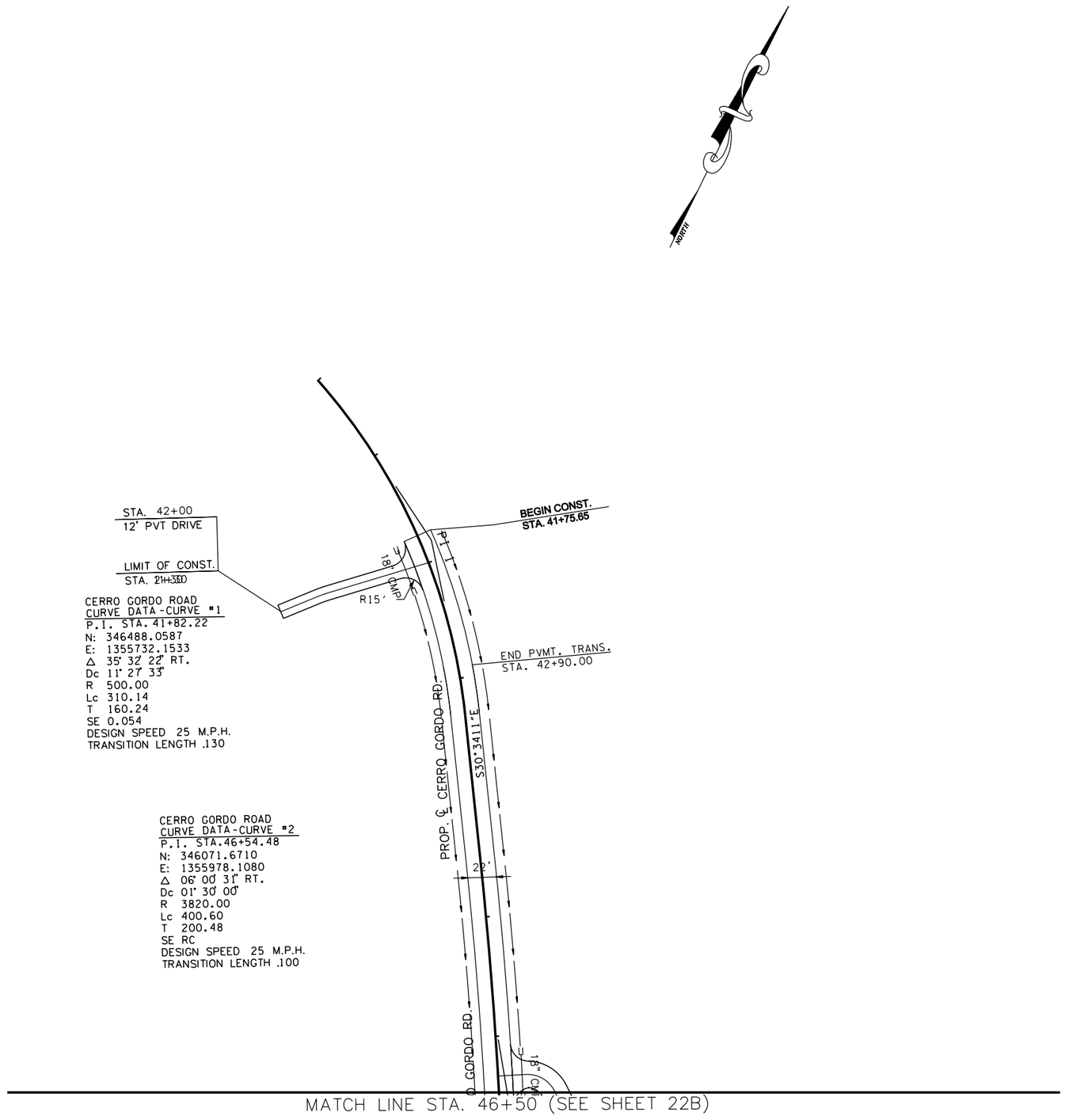
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	22F
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-14

REV. 11-29-10
REVISED ALIGN CERRO GORDO RD

REV. 3-18-11
ADDED DRWY TRACT 26

REV. 11-22-13
REMOVED S-14



CERRO GORDO ROAD
CURVE DATA-CURVE #1
P.I. STA. 41+82.22
N: 346488.0587
E: 1355732.1533
Δ 35° 32' 22" RT.
Dc 11° 27' 33"
R 500.00
Lc 310.14
T 160.24
SE 0.054
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH .130

CERRO GORDO ROAD
CURVE DATA-CURVE #2
P.I. STA.46+54.48
N: 346071.6710
E: 1355978.1080
Δ 06° 00' 31" RT.
Dc 01° 30' 00"
R 3820.00
Lc 400.60
T 200.48
SE RC
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH .100

BURGEL E. JACKSON III
STATE OF TENNESSEE
14

COORDINATE VALUES ARE NAD/83(1995)
AND ARE DATUM ADJUSTED BY THE
FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
CERRO GORDO
ROAD

SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	22G
CONST	2014	36001-3290-14	

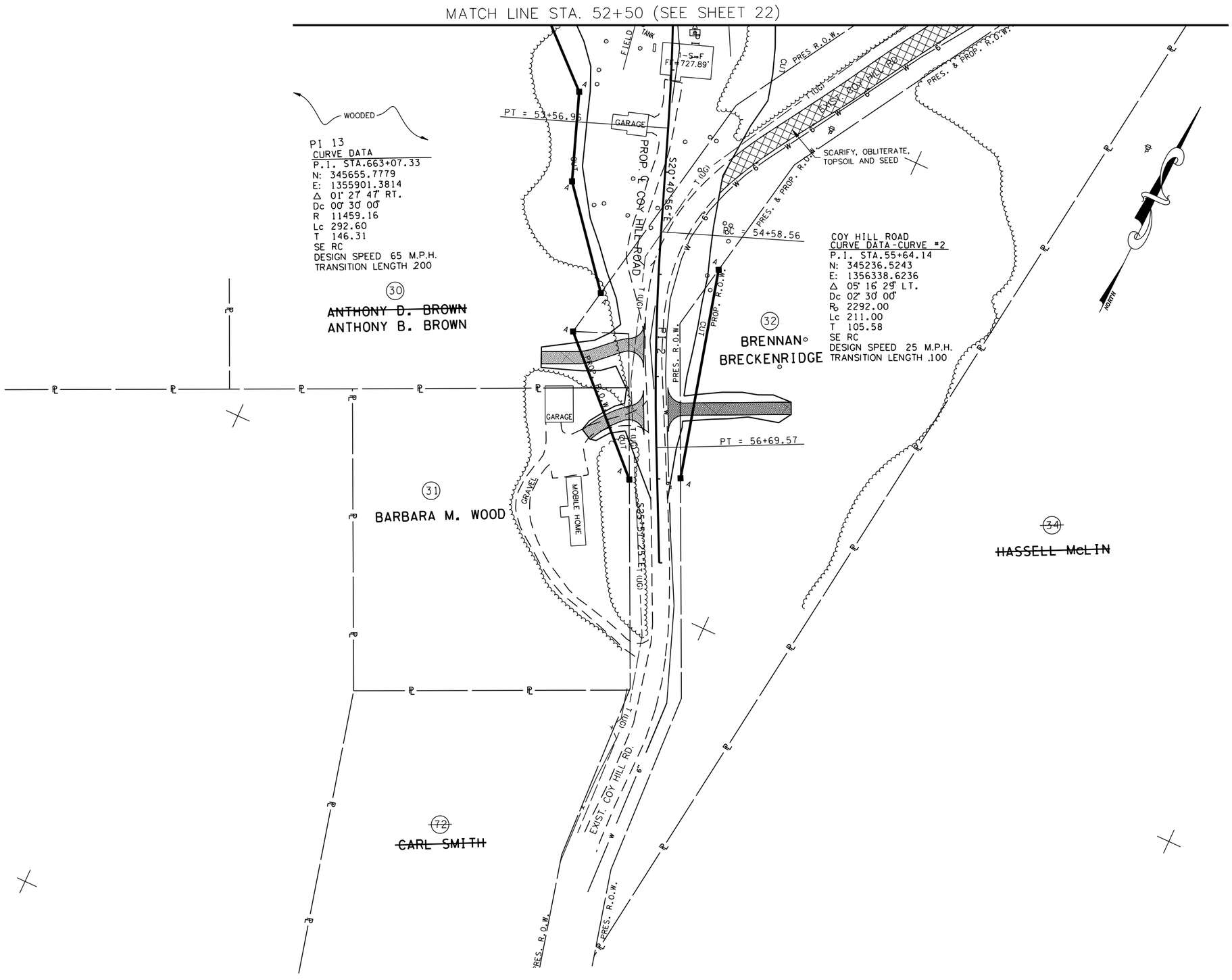
REV. 2-08-10
REMOVED DRWY TRACT 32
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS

REV. 11-29-10
REVISED ALIGN COY HILL RD
REVISED PROP ROW TRACTS 30, 31 & 32
REVISED DRIVEWAYS TRACTS 30 & 31

REV. 4-22-11
REMOVED ROW CALL OUTS
REVISED EXIST PVMT SCARIFICATION LIMITS

REV. 5-31-11
ADDED DRIVEWAY TRACT 32

REV. 8-12-11
ADDED EXISTING WATER LINE



NOTE
SEE R.O.W LAYOUT SHEET 22H
FOR R.O.W CALLS

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
COY HILL
ROAD

SCALE: 1" = 50'

8/16/2014
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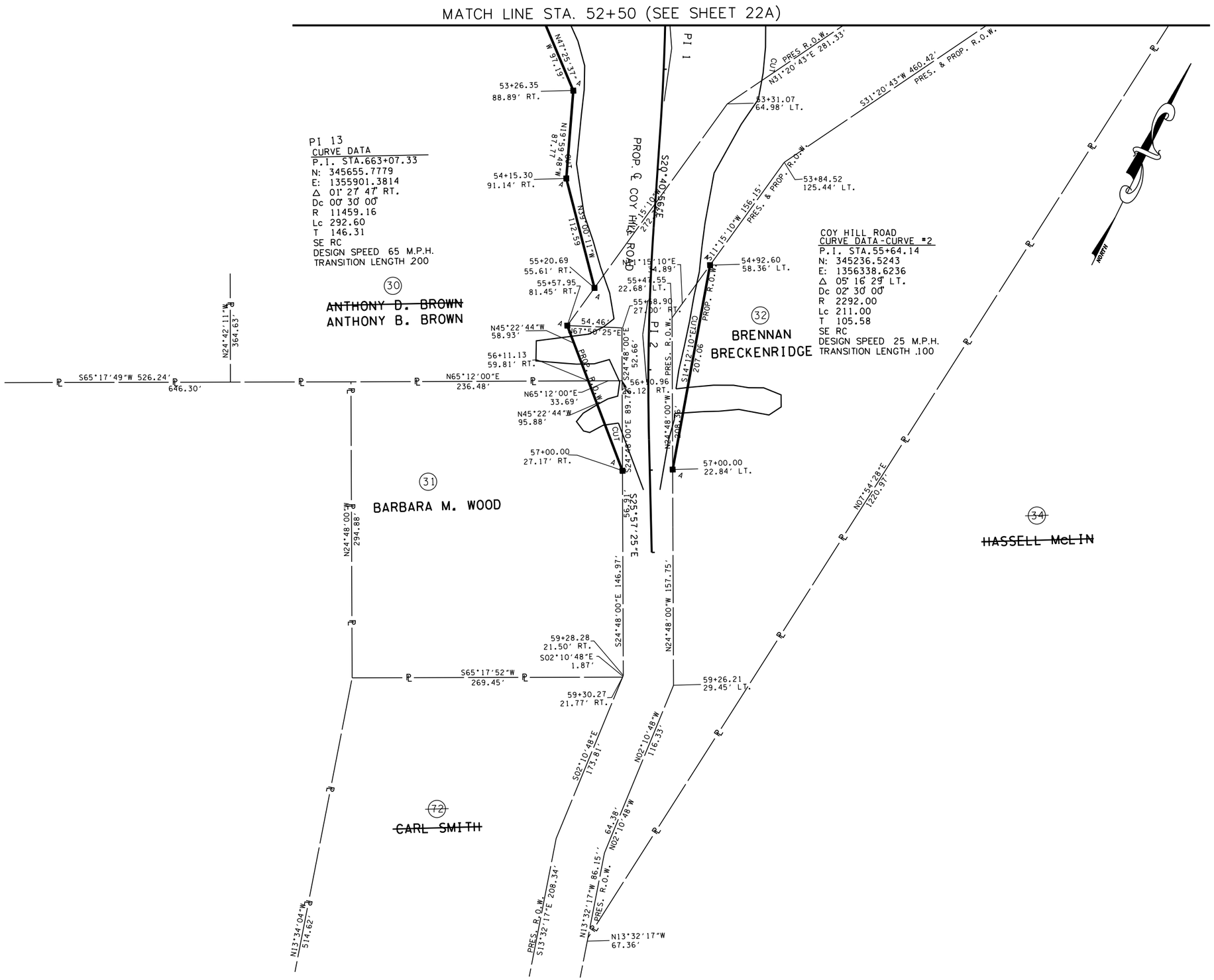
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	22H
CONST	2014	36001-3290-14	



REV. 11-29-10

REVISED ALIGN COY HILL RD

REVISED PROP ROW TRACTS 30, 31 & 32

REVISED DRIVEWAYS TRACTS 30 & 31

REV. 2-08-11

REVISED ROW STA/OFFSETS TRACTS 30, 31 AND 32

REVISED ROW DISTANCES TRACTS 30, 31 AND 32

ADDED ROW DISTANCE TRACT 30

REV. 4-22-11

REVISED STA/OFF EXIST ROW TRACTS 30, 31 & 32

REV. 5-31-11

ADDED DRIVEWAY TRACT 32

REV. 7-01-11

REVISED PROP ROW DIST/BRG TRACTS 30 & 31

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
COY HILL
ROAD

SCALE: 1" = 50'

8/16/2014
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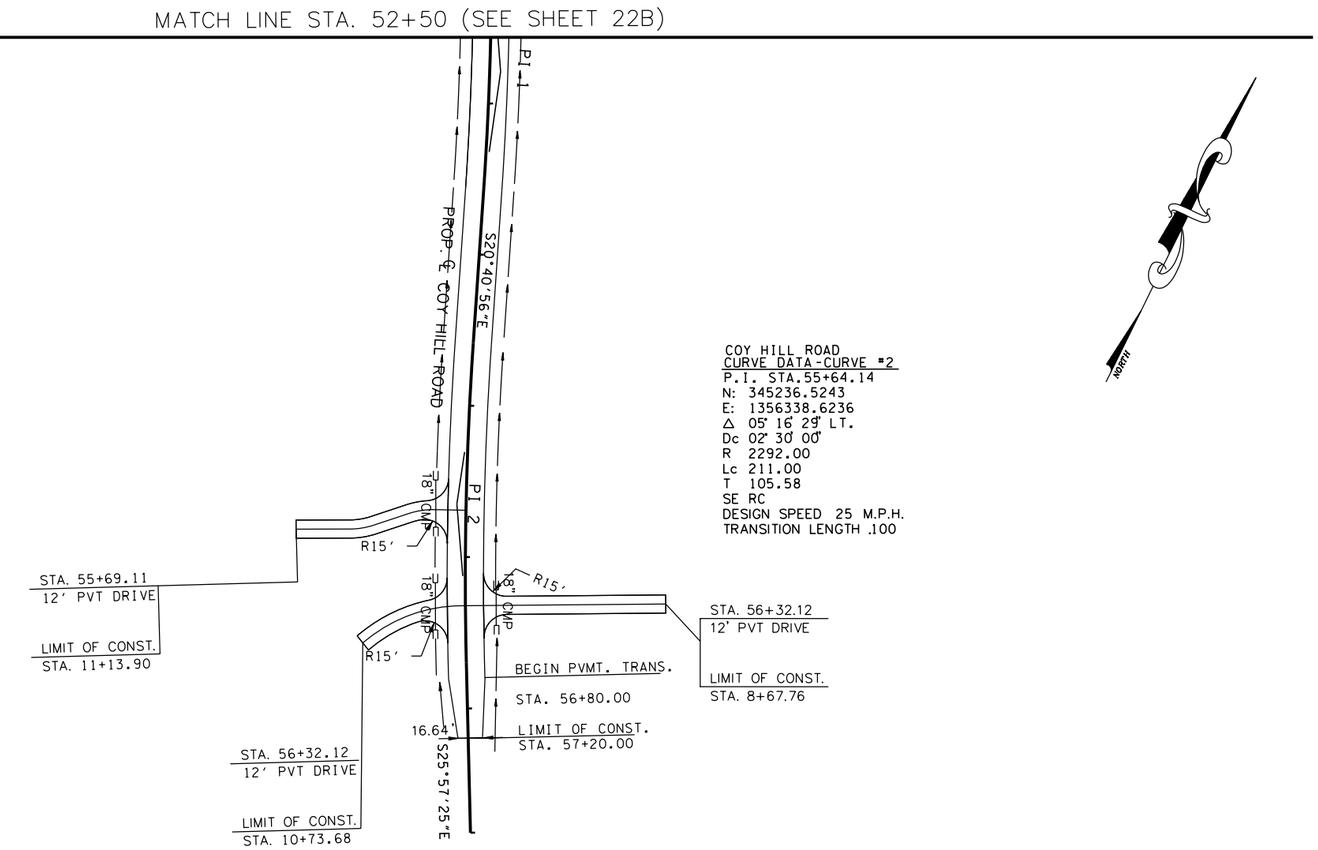
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	22I
CONST	2014	36001-3290-14	

REV. 2-08-10
REMOVED DRWY TRACT 32

REV. 11-29-10
REVISED ALIGN COY HILL RD
REVISED DRIVEWAYS TRACTS 30 & 31

REV. 5-31-11
ADDED DRIVEWAY TRACT 32



COY HILL ROAD
CURVE DATA-CURVE #2
P.I. STA.55+64.14
N: 345236.5243
E: 1356338.6236
Δ 05° 16' 29" LT.
Dc 02° 30' 00"
R 2292.00
Lc 211.00
T 105.58
SE RC
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH .100

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
COY HILL
ROAD

SCALE: 1" = 50'

8/6/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	23
CONST	2014	36001-3290-14	

REV. 2-08-10

ADDED WWC-29, WWC-30, WWC-33, S-19

REMOVED TRACT 37 FROM ROW ACQUISITION

ADDED TRACT 35 TO ROW ACQUISITION

ADDED NOTES TO OBLITERATE COUNTY ROAD

REVISED PROP. ROW LINE STYLE TRACT 35

REMOVED ROW CALL OUTS

ADDED NOTE FOR ROW CALLS

REV. 5-01-10

REVISED GRAPHIC ALIGNMENT MYSTIC SPRINGS ROAD

EXTENDED ALIGNMENT MYSTIC SPRINGS ROAD

REVISED COORDINATES OF CROSSROAD MYSTIC SPRINGS ROAD

REV. 1-12-11

REVISED OWNER TRACT 38

REV. 3-18-11

REVISED OWNER TRACT 35

REV. 4-22-11

REMOVED ROW CALL OUTS

REVISED EXIST PVMT SCARIFICATION LIMITS

REV. 8-12-11

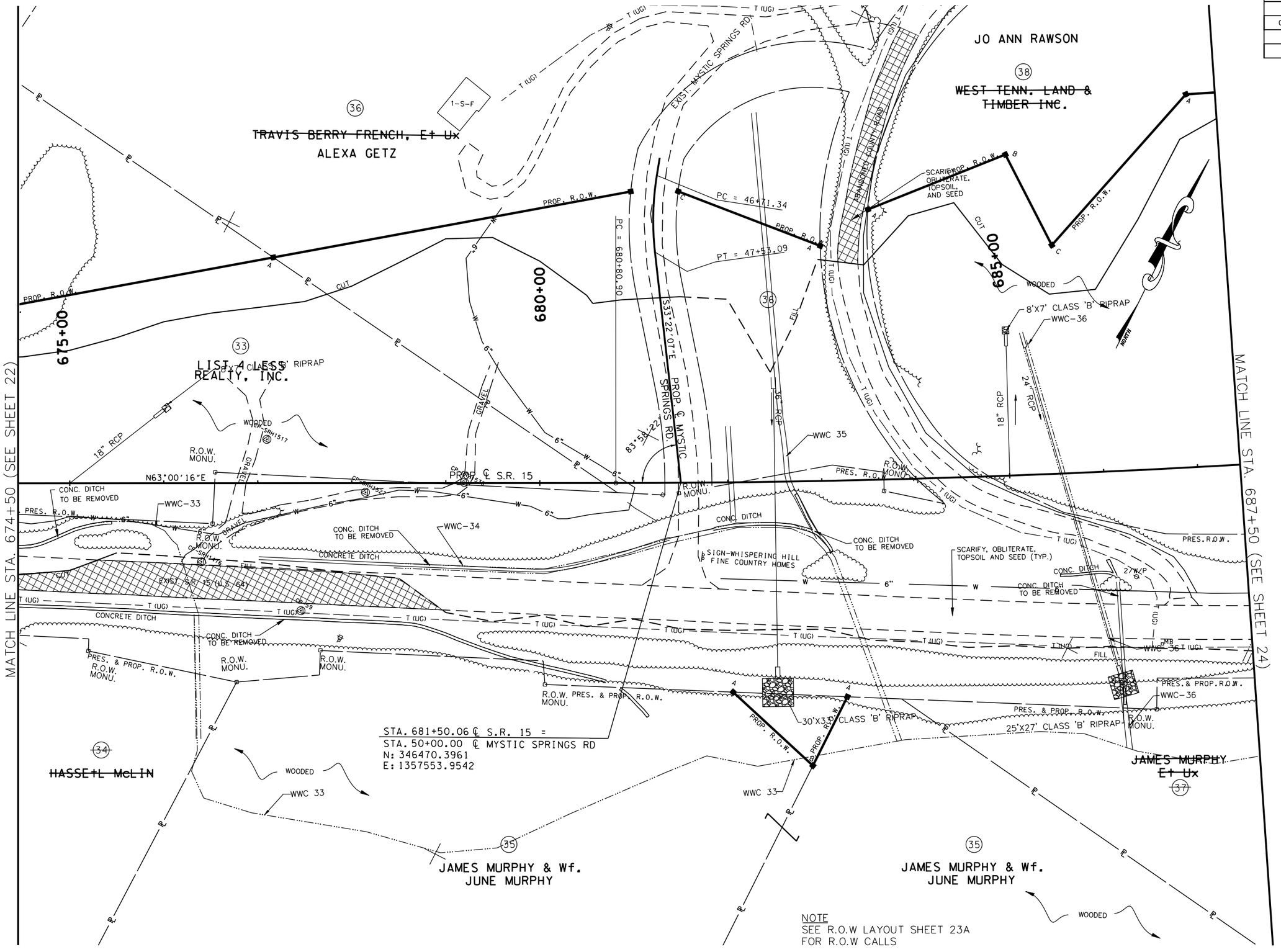
ADDED EXISTING WATER LINE

REV. 2-24-12

REVISED ENVIRONMENTAL FEATURES

REV. 5-18-12

REVISED PROPERTY OWNER FOR TRACT 33



NOTE
SEE R.O.W LAYOUT SHEET 23A
FOR R.O.W CALLS

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 674+50
TO
STA. 687+50
SCALE: 1" = 50'

8/16/2014
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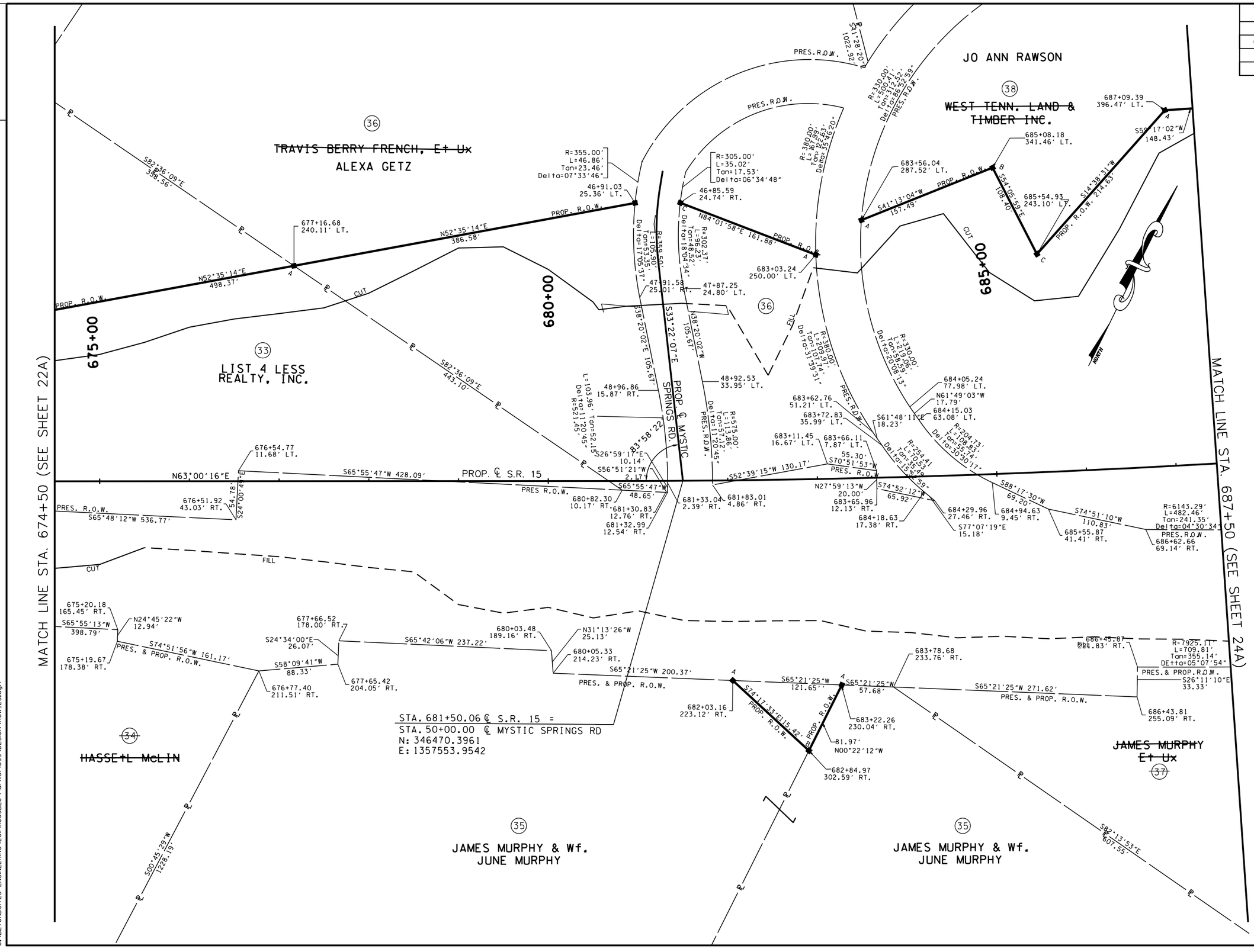
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	23A
CONST	2014	36001-3290-14	

REV. 2-08-10

REMOVED TRACT 37 FROM ROW ACQUISITION

ADDED TRACT 35 TO ROW ACQUISITION

REVISED EXIST. SURVEY DATA TRACTS 33, 34, 35, 36, 37 & 38

REVISED PROP ROW TRACT 36

REV. 5-01-10

REVISED GRAPHIC ALIGNMENT MYSTIC SPRINGS ROAD

EXTENDED ALIGNMENT MYSTIC SPRINGS ROAD

REVISED COORDINATES OF CROSSROAD MYSTIC SPRINGS ROAD

REVISED STA. & OFFSET PROP & EXIST ROW TRACT 36

REV. 5-26-10

MOVED PC & PT CALL OUTS MYSTIC SPRINGS RD.

REV. 1-12-11

REVISED OWNER TRACT 38

REV. 3-18-11

REVISED OWNER TRACT 35

REV. 4-22-11

REMOVED FEATURES NOT NEEDED

REV. 5-18-12

REVISED PROPERTY OWNER FOR TRACT 33

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 674+50
TO
STA. 687+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	23B
CONST	2014	36001-3290-14	

REV. 2-08-10

ADDED WWC-29, WWC-30, WWC-33, S-19

REV. 5-01-10

REVISED GRAPHIC ALIGNMENT MYSTIC SPRINGS ROAD

EXTENDED ALIGNMENT MYSTIC SPRINGS ROAD

REVISED COORDINATES OF CROSSROAD MYSTIC SPRINGS ROAD

REV. 8-12-11

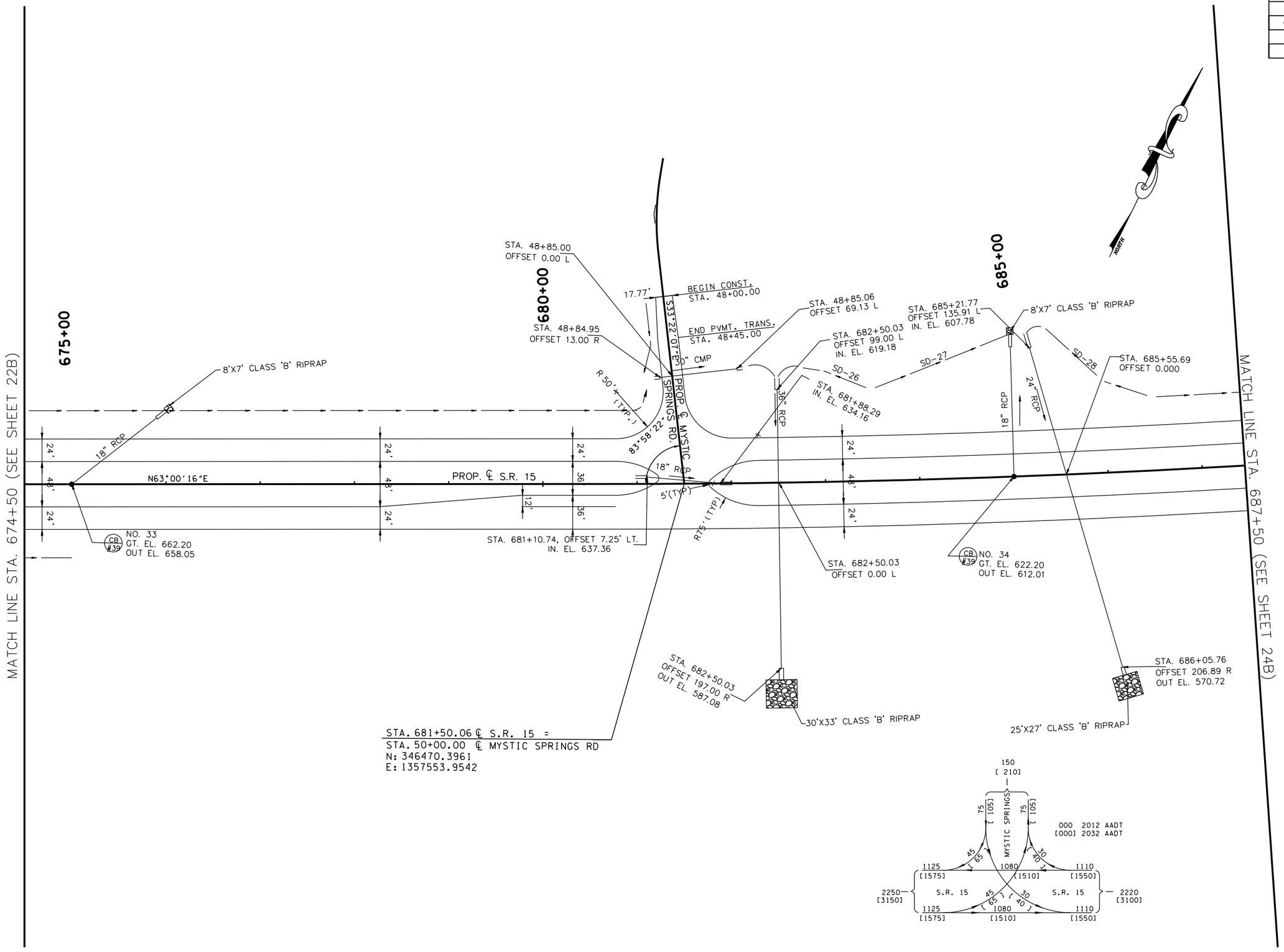
DELETED EXISTING CONDITION INFORMATION

REV. 2-24-12

REVISED ENVIRONMENTAL FEATURES

REV. 11-12-12

ADDED TURN LANE AND TURN LANE WIDTH



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 674+50
TO
STA. 687+50
SCALE: 1" = 50'

8/6/2014
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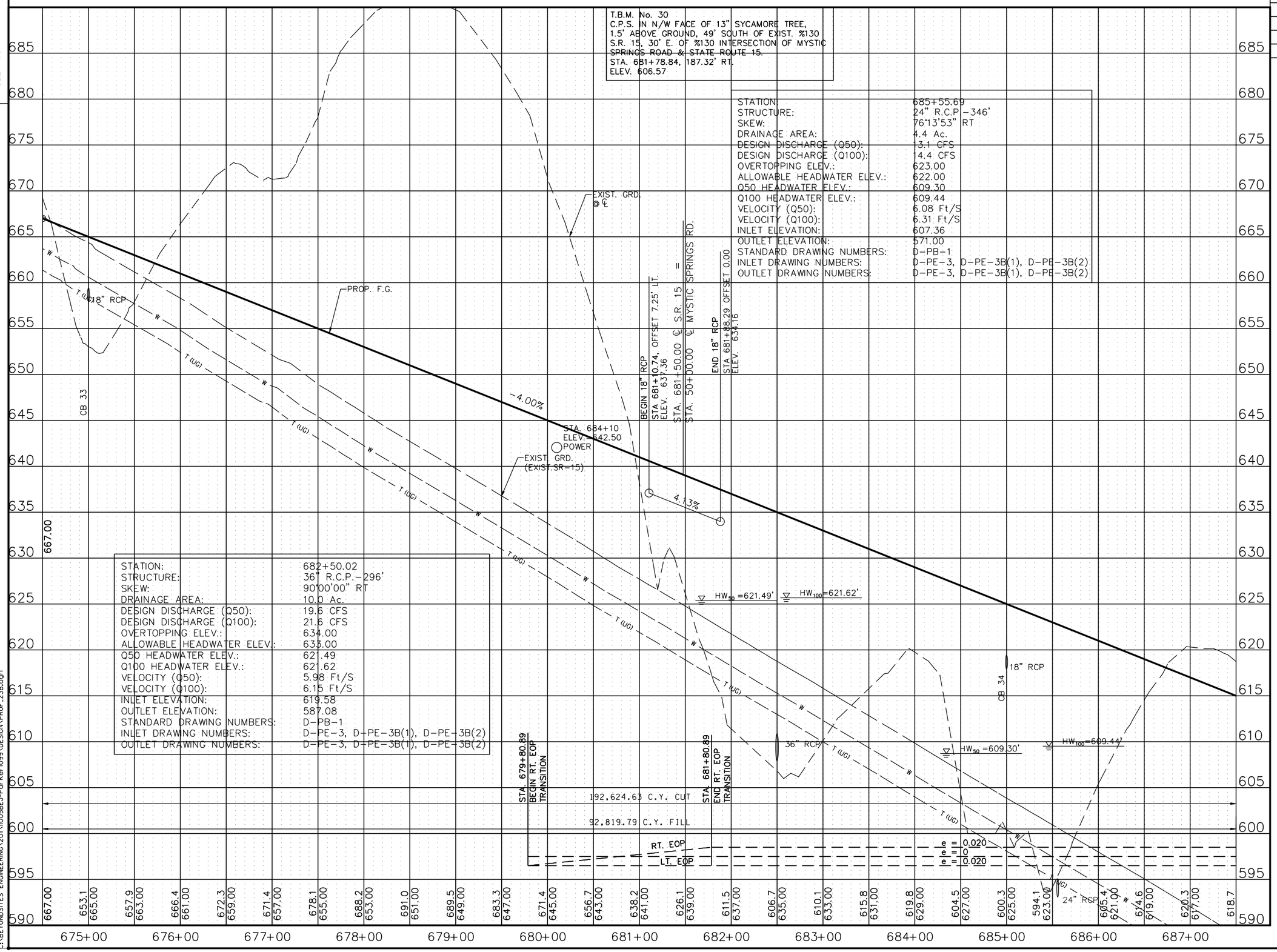
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	23C
CONST	2014	36001-3290-14	

T.B.M. No. 30
C.P.S. IN N/W FACE OF 13" SYCAMORE TREE, 1.5' ABOVE GROUND, 49' SOUTH OF EXIST. ℄130 S.R. 15, 30' E. OF ℄130 INTERSECTION OF MYSTIC SPRINGS ROAD & STATE ROUTE 15.
STA. 681+78.84, 187.32' RT.
ELEV. 606.57

STATION:	685+55.69
STRUCTURE:	24" R.C.P.-346'
SKEW:	76°13'53" RT
DRAINAGE AREA:	4.4 Ac.
DESIGN DISCHARGE (Q50):	13.1 CFS
DESIGN DISCHARGE (Q100):	14.4 CFS
OVERTOPPING ELEV.:	623.00
ALLOWABLE HEADWATER ELEV.:	622.00
Q50 HEADWATER ELEV.:	609.30
Q100 HEADWATER ELEV.:	609.44
VELOCITY (Q50):	6.08 Ft/S
VELOCITY (Q100):	6.31 Ft/S
INLET ELEVATION:	607.36
OUTLET ELEVATION:	571.00
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-3, D-PE-3B(1), D-PE-3B(2)
OUTLET DRAWING NUMBERS:	D-PE-3, D-PE-3B(1), D-PE-3B(2)

STATION:	682+50.02
STRUCTURE:	36" R.C.P.-296'
SKEW:	90°00'00" RT
DRAINAGE AREA:	10.0 Ac.
DESIGN DISCHARGE (Q50):	19.6 CFS
DESIGN DISCHARGE (Q100):	21.6 CFS
OVERTOPPING ELEV.:	634.00
ALLOWABLE HEADWATER ELEV.:	633.00
Q50 HEADWATER ELEV.:	621.49
Q100 HEADWATER ELEV.:	621.62
VELOCITY (Q50):	5.98 Ft/S
VELOCITY (Q100):	6.15 Ft/S
INLET ELEVATION:	619.58
OUTLET ELEVATION:	587.08
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-3, D-PE-3B(1), D-PE-3B(2)
OUTLET DRAWING NUMBERS:	D-PE-3, D-PE-3B(1), D-PE-3B(2)



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 674+50
TO
STA. 687+50
SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	24
CONST	2014	36001-3290-14	

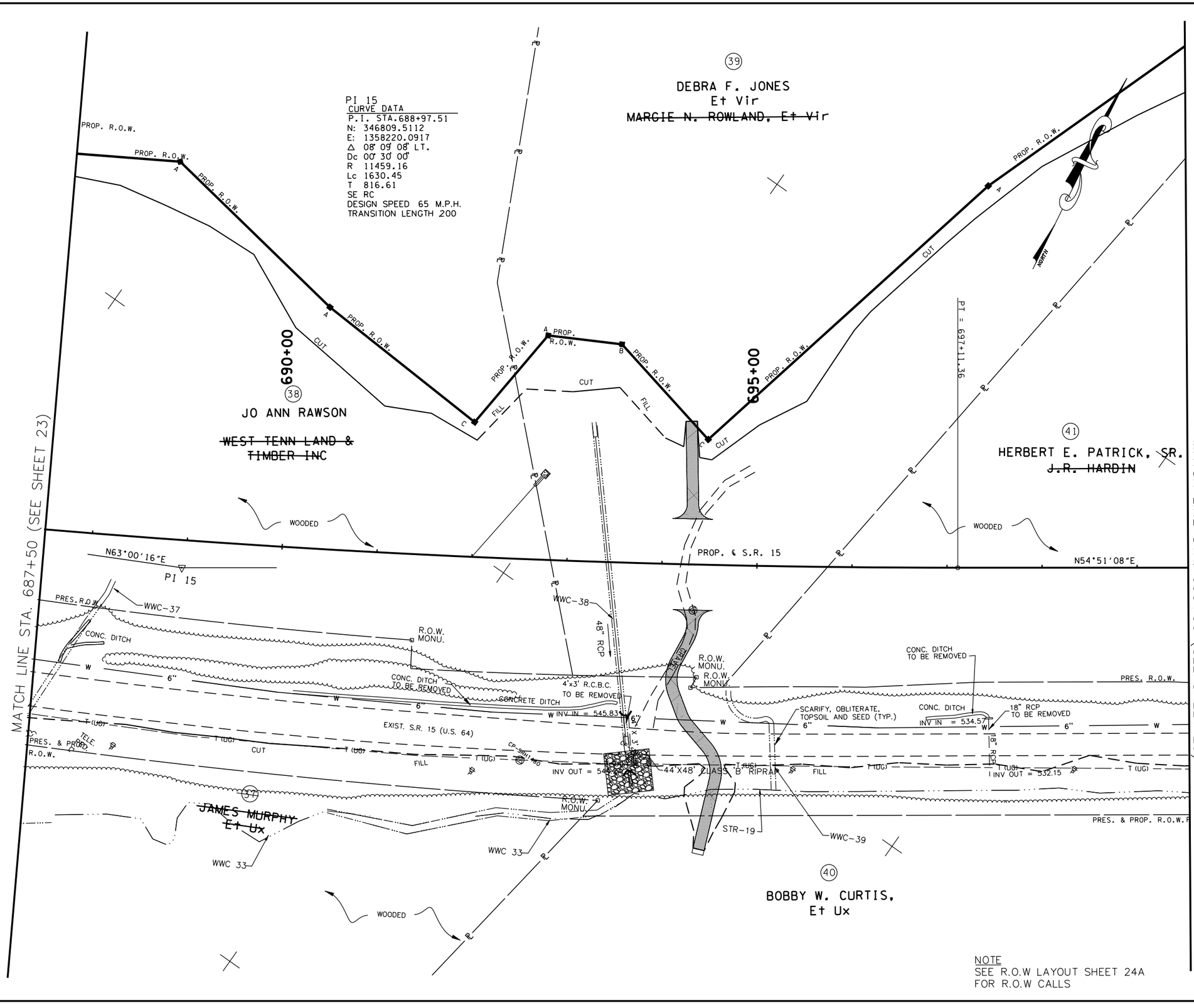
REV. 2-08-10
ADDED S-19,WWC-34 THRU 36
CHANGED PROP. OWNER TRACT 41
REMOVED TRACT 37 FROM ROW ACQUISITION
ADDED DRWYS TRACTS 39 & 40
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 39 & 40

REV. 1-12-11
REVISED OWNER TRACT 38

REV. 4-22-11
REMOVED ROW CALL OUTS
REVISED EXIST PVMT SCARIFICATION LIMITS

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES



NOTE
SEE R.O.W LAYOUT SHEET 24A
FOR R.O.W CALLS

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 687+50
TO
STA. 699+50
SCALE: 1" = 50'

8/6/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	24A
CONST	2014	36001-3290-14	

REV. 2-08-10

CHANGED PROP. OWNER TRACT 41

REMOVED TRACT 37 FROM ROW ACQUISITION

REVISED EXIST. SURVEY DATA TRACTS 37,38,39, & 41

REV. 5-26-10

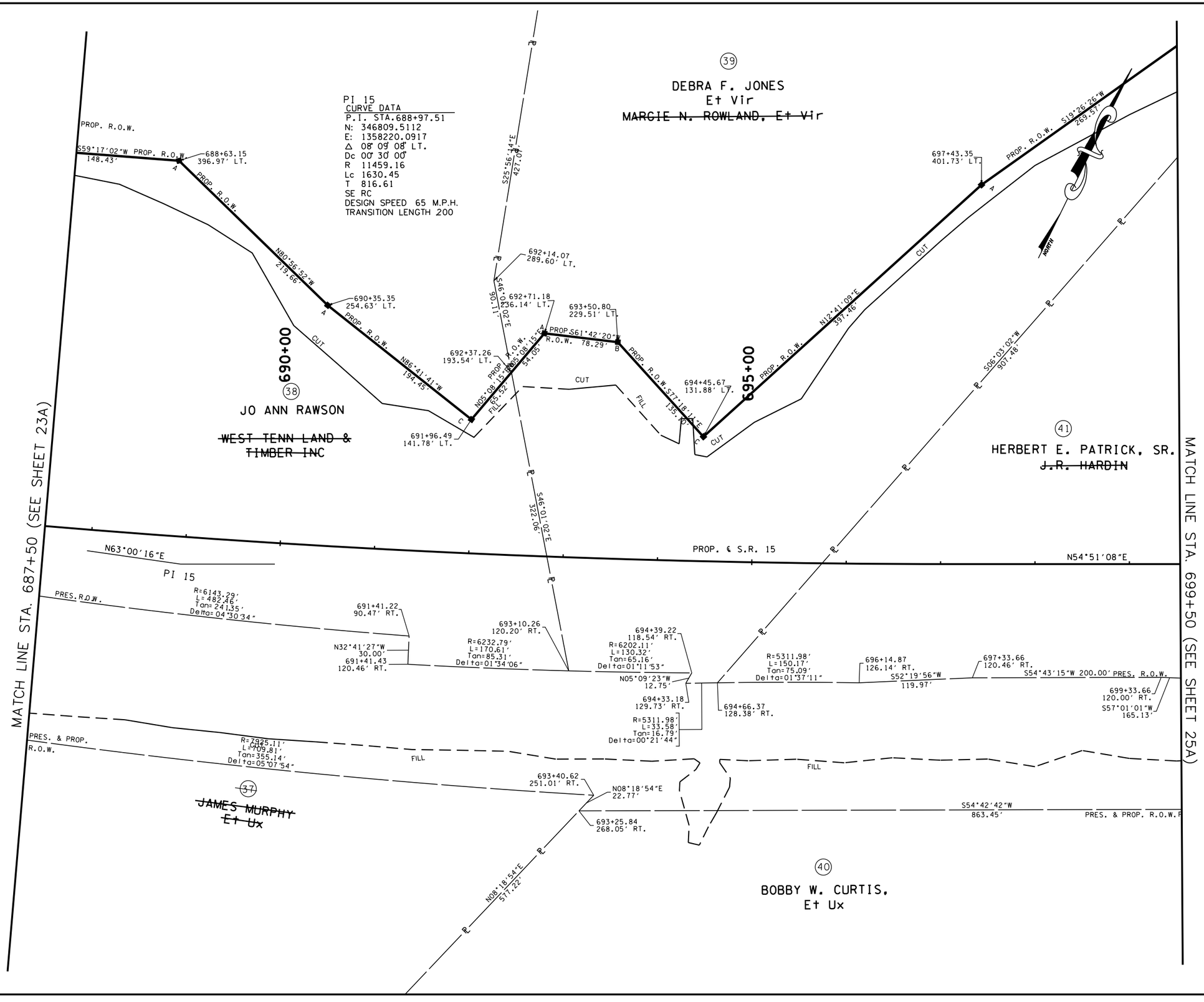
REVISED C/F LIMITS DRWY TRACTS 39 & 40

REV. 1-12-11

REVISED OWNER TRACT 38

REV. 4-22-11

REMOVED FEATURES NOT NEEDED



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 687+50
TO
STA. 699+50
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

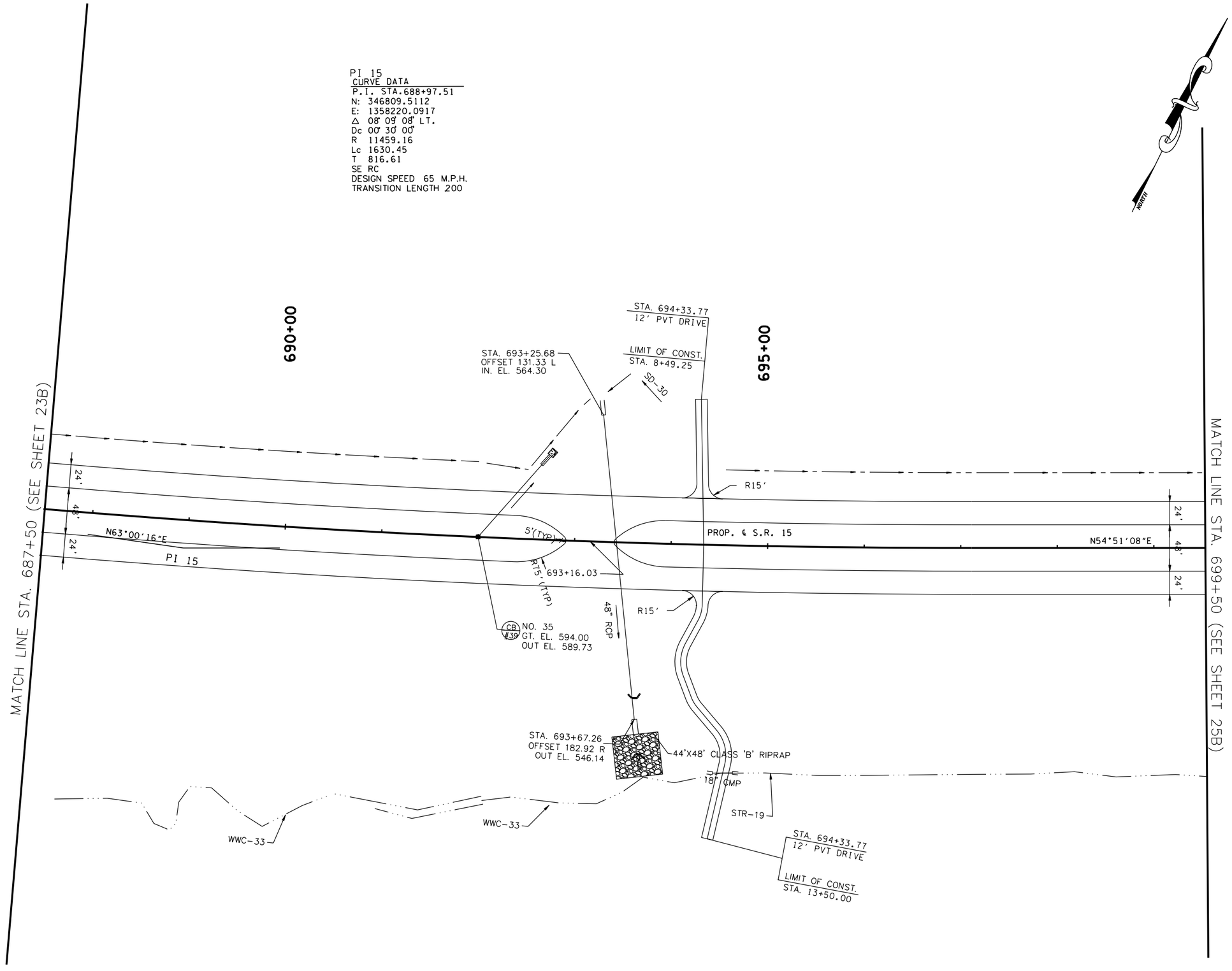
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	24B
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-19, WWC-34 THRU 36
ADDED DRWYS TRACTS 39 & 40

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 39 & 40

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

REV. 3-18-14
RELOCATED CATCH BASIN NO. 35



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 687+50
TO
STA. 699+50
SCALE: 1" = 50'

8/16/2014
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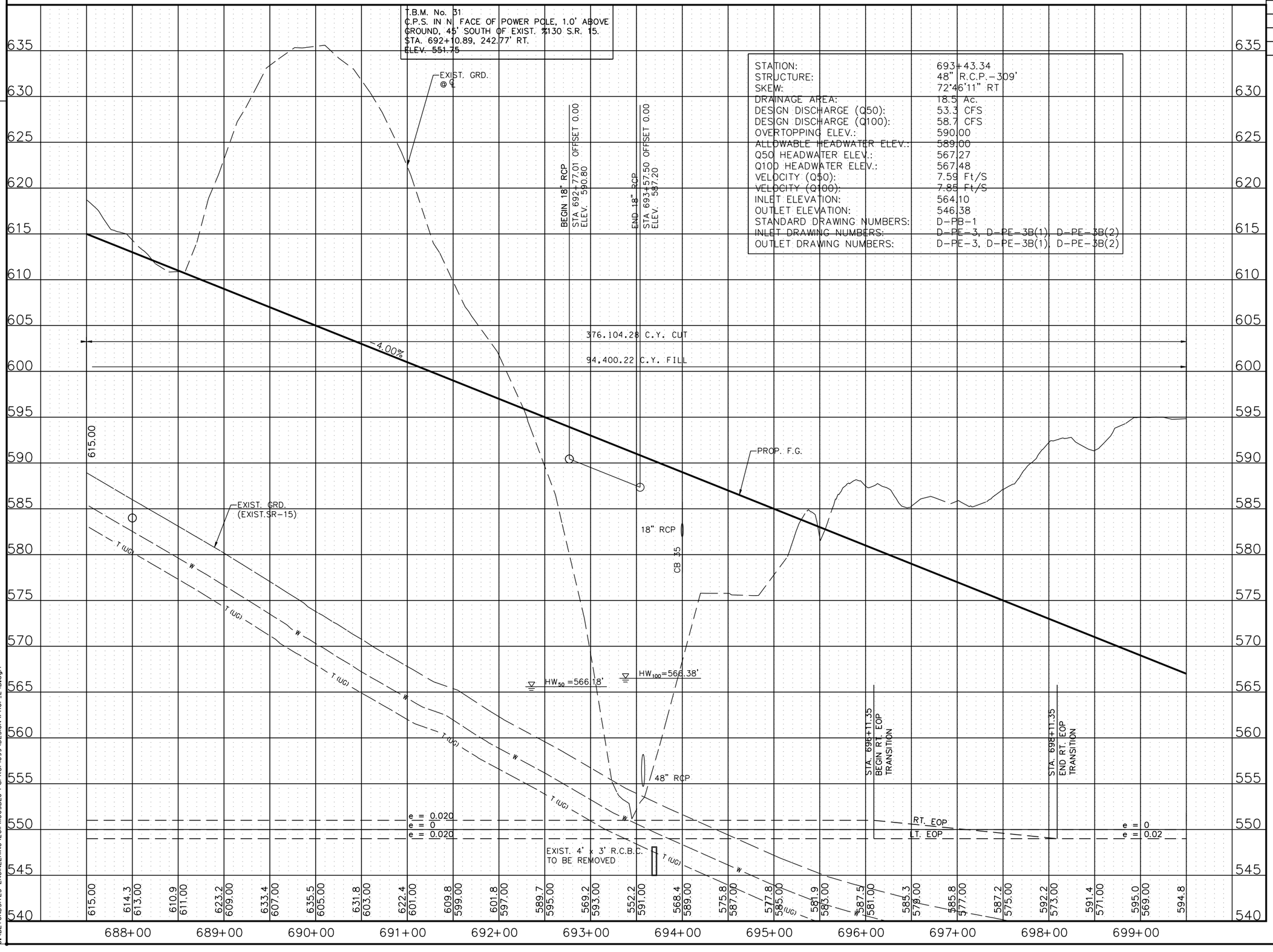
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	24C
CONST	2014	36001-3290-14	



STATION:	693+43.34
STRUCTURE:	48" R.C.P.-309'
SKEW:	72°46'11" RT
DRAINAGE AREA:	18.5 Ac.
DESIGN DISCHARGE (Q50):	53.3 CFS
DESIGN DISCHARGE (Q100):	58.7 CFS
OVERTOPPING ELEV.:	590.00
ALLOWABLE HEADWATER ELEV.:	589.00
Q50 HEADWATER ELEV.:	567.27
Q100 HEADWATER ELEV.:	567.48
VELOCITY (Q50):	7.59 Ft/S
VELOCITY (Q100):	7.85 Ft/S
INLET ELEVATION:	564.10
OUTLET ELEVATION:	546.38
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-3, D-PE-3B(1), D-PE-3B(2)
OUTLET DRAWING NUMBERS:	D-PE-3, D-PE-3B(1), D-PE-3B(2)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 687+50
TO
STA. 699+50
SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	25
CONST	2014	36001-3290-14	

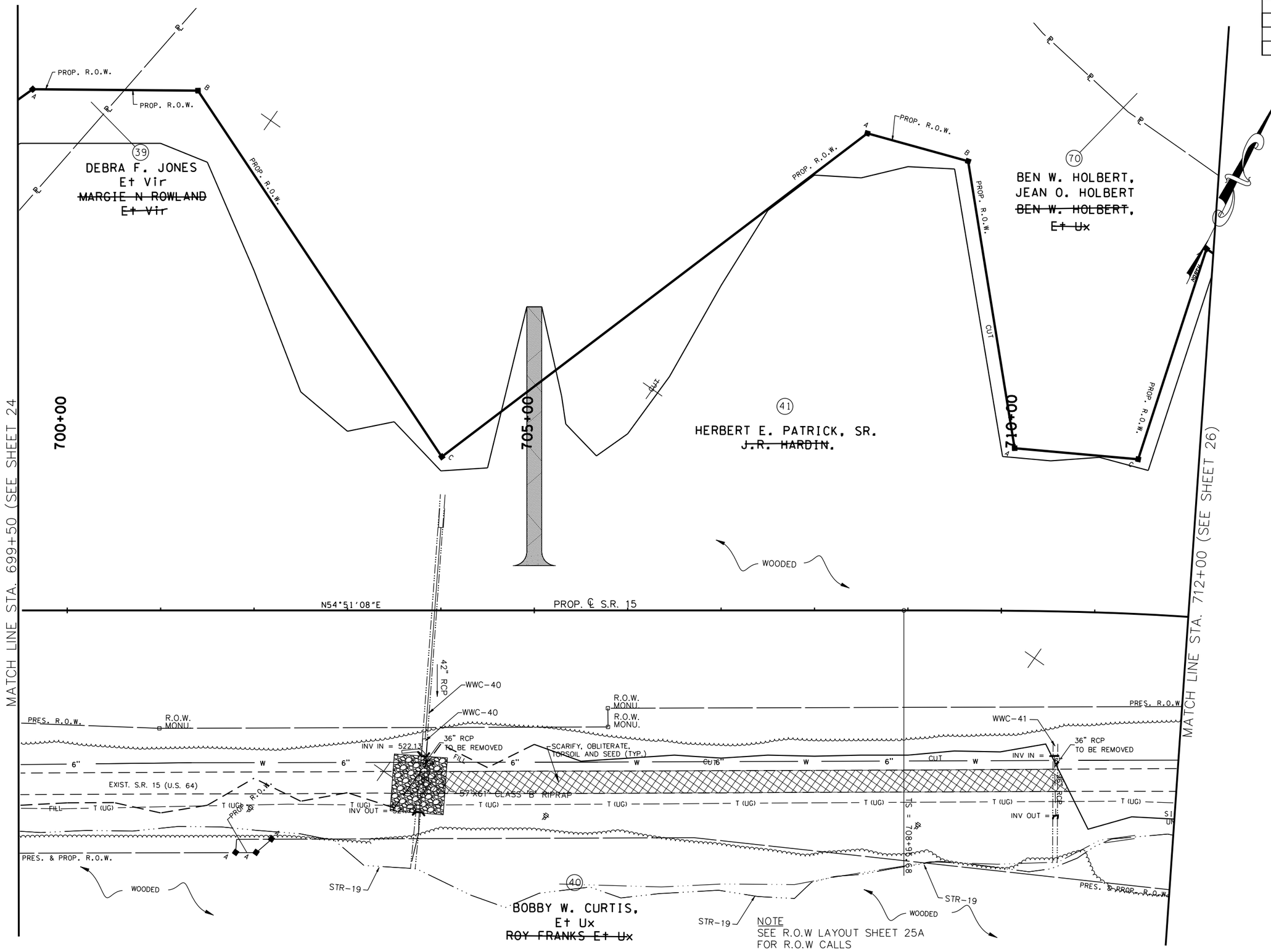
REV. 2-08-10
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS
CHANGED PROP. OWNER TRACT 41
ADDED FIELD ENT TRACT 41
ADDED WWC-37 THRU 39, S-19
REVISED PROP. ROW LINE WT TRACT 40

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACT 41

REV. 4-22-11
REMOVED ROW CALL OUTS
REVISED EXIST PVMT SCARIFICATION LIMITS

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

REV. 5-18-12
REVISED SLOPE LIMITS AT STA. 702+00 RT
REVISED SLOPE LIMITS FOR DRIVE AT STA. 705+00 LT



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 699+50
TO
STA. 712+00
SCALE: 1" = 50'

8/6/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	25A
CONST	2014	36001-3290-14	

REV. 2-08-10

CHANGED PROP. OWNER TRACT 41

REVISED EXIST SURVEY DATA TRACTS 40 & 41

REVISED PROP ROW TRACTS 40 & 41

REV. 4-05-10

REVISED PROP ROW DIST TRACT 40

REV. 5-26-10

REVISED C/F LIMITS DRWY TRACT 41

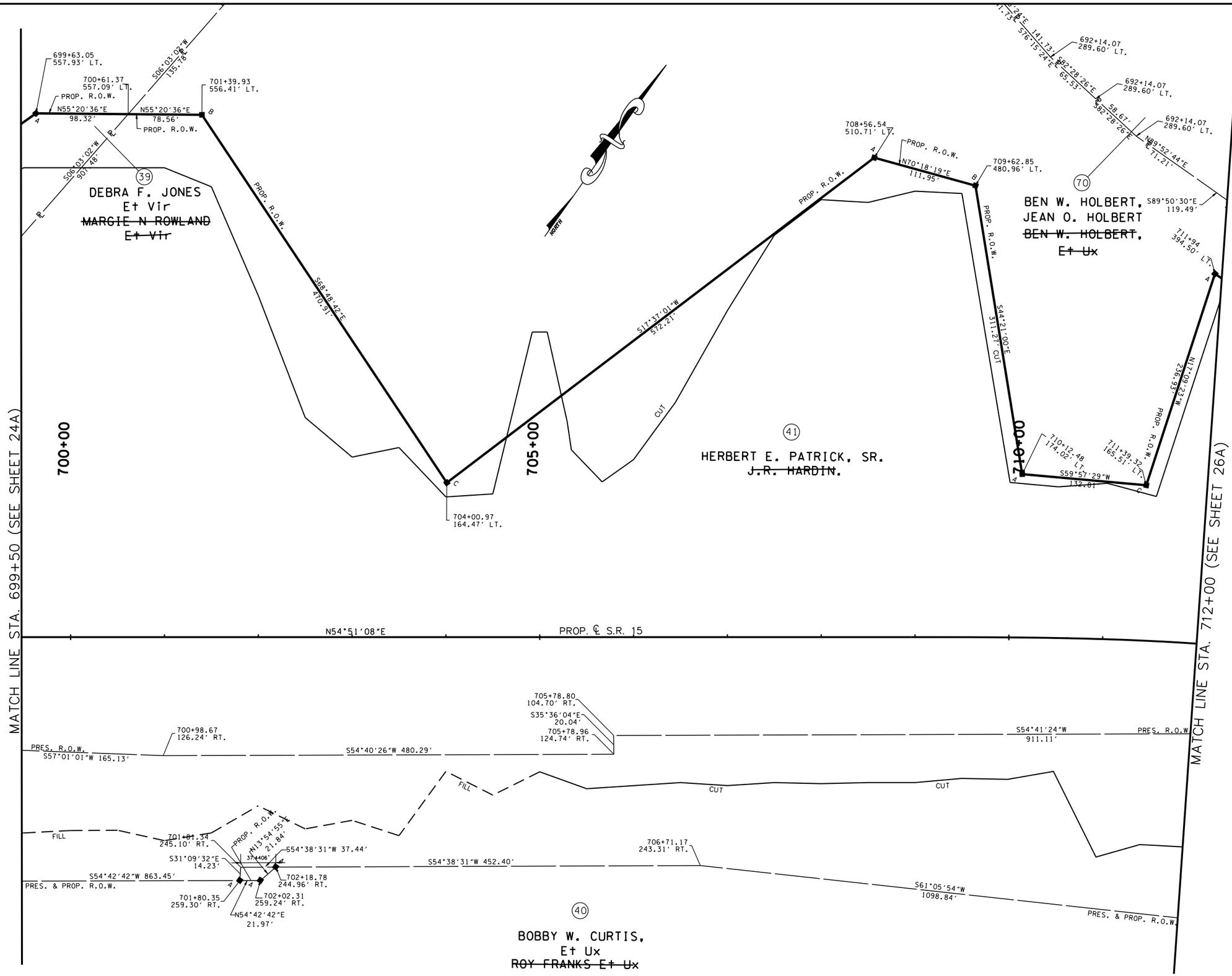
REV. 4-22-11

REMOVED FEATURES NOT NEEDED

REV. 5-18-12

REVISED SLOPE LIMITS AT STA. 702+00 RT

REVISED SLOPE LIMITS FOR DRIVE AT STA. 705+00 LT



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 699+50
TO
STA. 712+00
SCALE: 1" = 50'

8/16/2014
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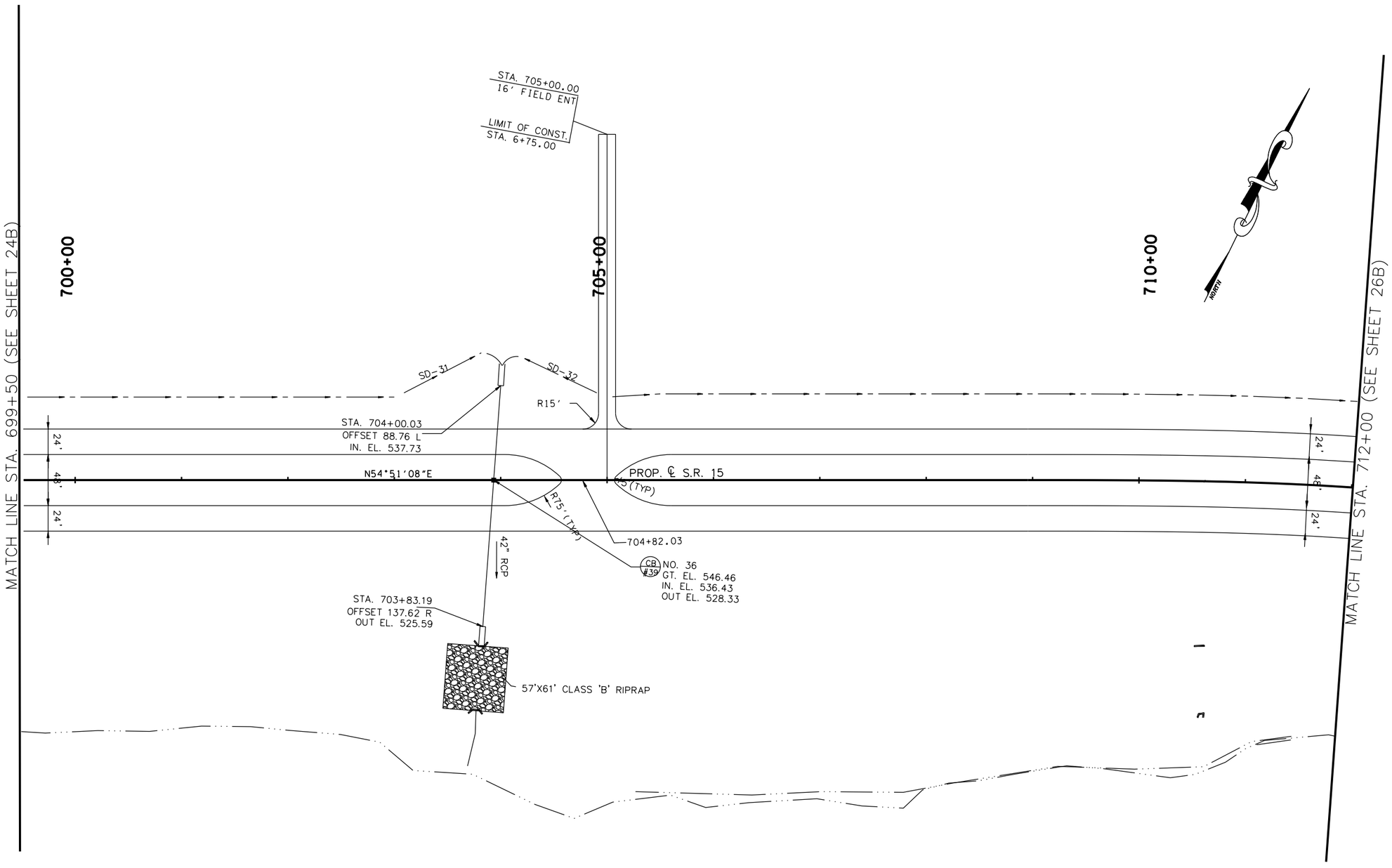
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	25B
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED WWC-37 THRU 39, S-19
ADDED FIELD ENT TRACT 41

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACT 41

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 699+50
TO
STA. 712+00
SCALE: 1" = 50'

8/16/2014
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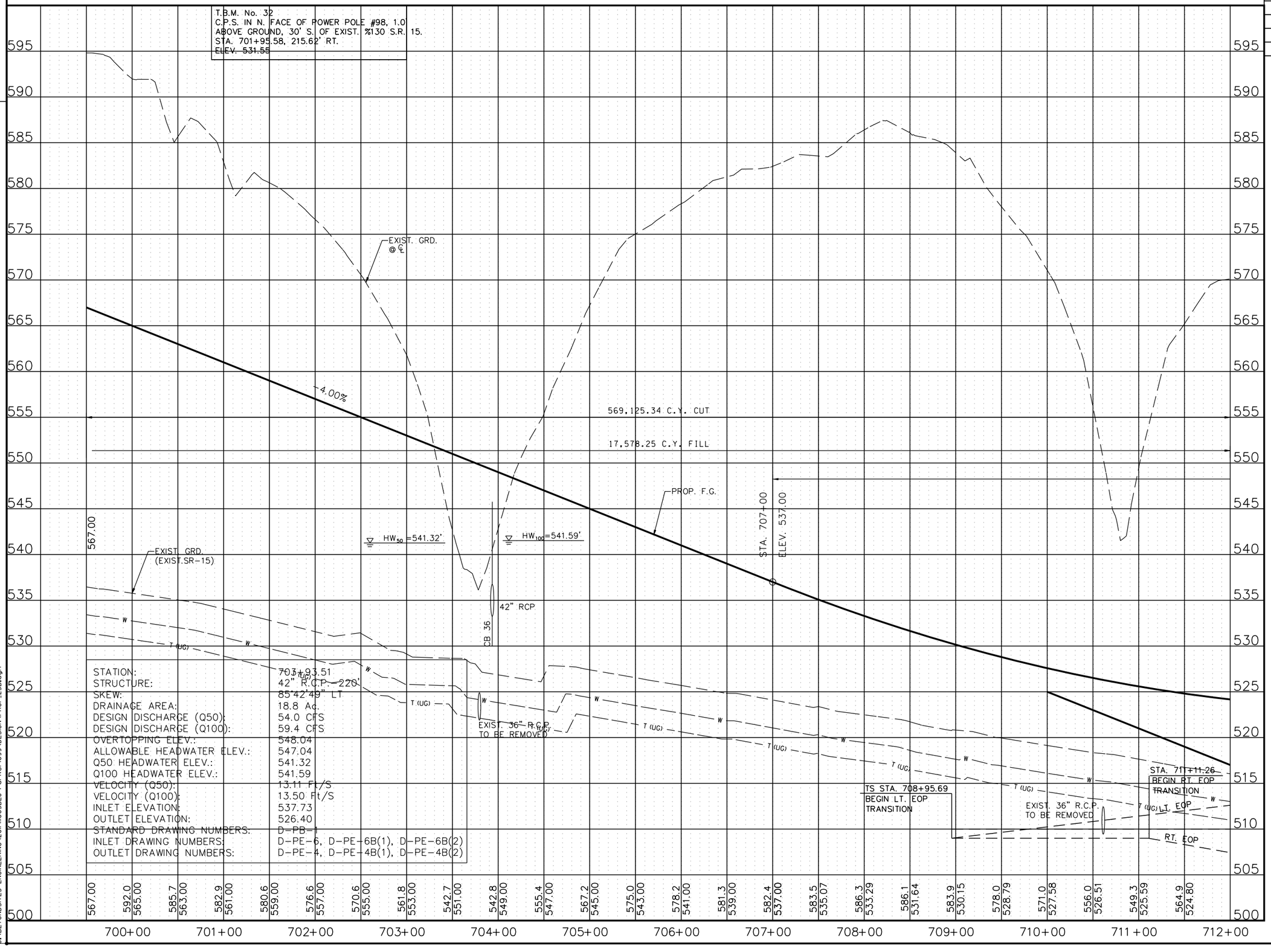
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	25C
CONST	2014	36001-3290-14	



STATION:	703+93.51
STRUCTURE:	42" R.C.P. - 220'
SKEW:	85°42'49" LT
DRAINAGE AREA:	18.8 Ac.
DESIGN DISCHARGE (Q50):	54.0 CFS
DESIGN DISCHARGE (Q100):	59.4 CFS
OVERTOPPING ELEV.:	548.04
ALLOWABLE HEADWATER ELEV.:	547.04
Q50 HEADWATER ELEV.:	541.32
Q100 HEADWATER ELEV.:	541.59
VELOCITY (Q50):	13.11 Ft/S
VELOCITY (Q100):	13.50 Ft/S
INLET ELEVATION:	537.73
OUTLET ELEVATION:	526.40
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-6, D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-4, D-PE-4B(1), D-PE-4B(2)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 699+50
TO
STA. 712+00
SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	26
CONST	2014	36001-3290-14	

REV. 2-08-10
CHANGED PROP. OWNER TRACT 41
REVISED PROP. ROW TRACT 43 ADDED S-19
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS

REV. 3-28-11
REVISED TRACTS 42 & 44

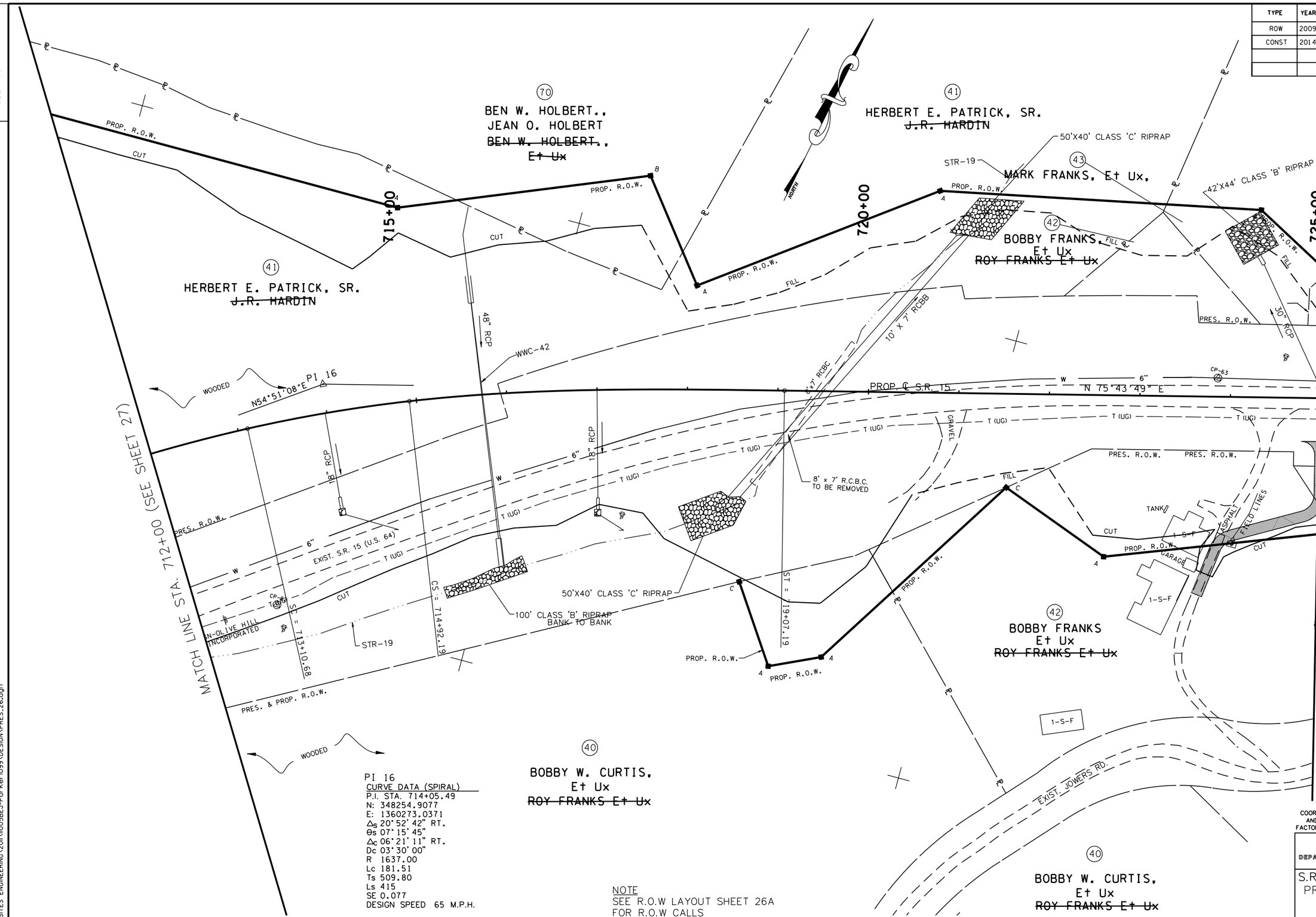
REV. 4-22-11
REMOVED ROW CALL OUTS

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

REV. 9-4-12
REVISED STREAM 19 LOCATION
REVISED CULVERT AT STA. 719+55

REV. 7-15-13
ADDED RIPRAP

REV. 9-23-13
REVISED RIPRAP FOR CULVERTS AT STA. 715+72 AND 719+65



PI 16
CURVE DATA (SPIRAL)
P.I. STA. 714+05.49
N: 348254.9077
E: 1360273.0371
Δ_s 20°52'42" RT.
θ_s 07°15'45"
Δ_c 06°21'11" RT.
Dc 03°30'00"
R 1637.00
Lc 181.51
Ts 509.80
Ls 415
SE 0.077
DESIGN SPEED 65 M.P.H.

NOTE
SEE R.O.W LAYOUT SHEET 26A
FOR R.O.W CALLS

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 712+00
TO
STA. 725+00
SCALE: 1" = 50'

8/16/2014
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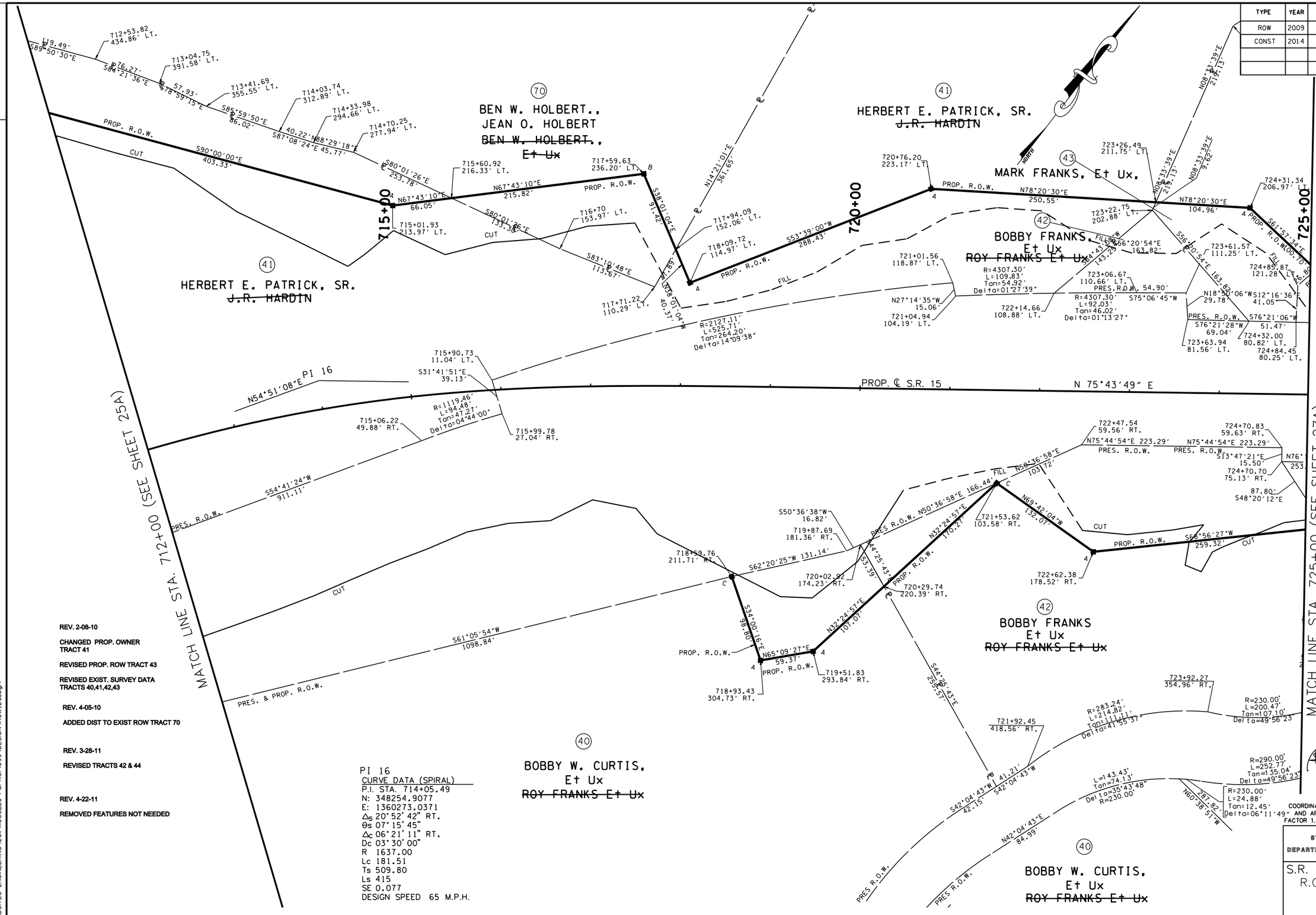
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	26A
CONST	2014	36001-3290-14	



REV. 2-08-10
CHANGED PROP. OWNER TRACT 41
REVISED PROP. ROW TRACT 43
REVISED EXIST. SURVEY DATA TRACTS 40,41,42,43

REV. 4-05-10
ADDED DIST TO EXIST ROW TRACT 70

REV. 3-28-11
REVISED TRACTS 42 & 44

REV. 4-22-11
REMOVED FEATURES NOT NEEDED

PI 16
CURVE DATA (SPIRAL)
P.I. STA. 714+05.49
N: 348254.9077
E: 1360273.0371
Δ_s 20°52'42" RT.
θ_s 07°15'45"
Δ_c 06°21'11" RT.
Dc 03°30'00"
R 1637.00
Lc 181.51
Ts 509.80
Ls 415
SE 0.077
DESIGN SPEED 65 M.P.H.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 712+00
TO
STA. 725+00
SCALE: 1" = 50'

8/16/2014
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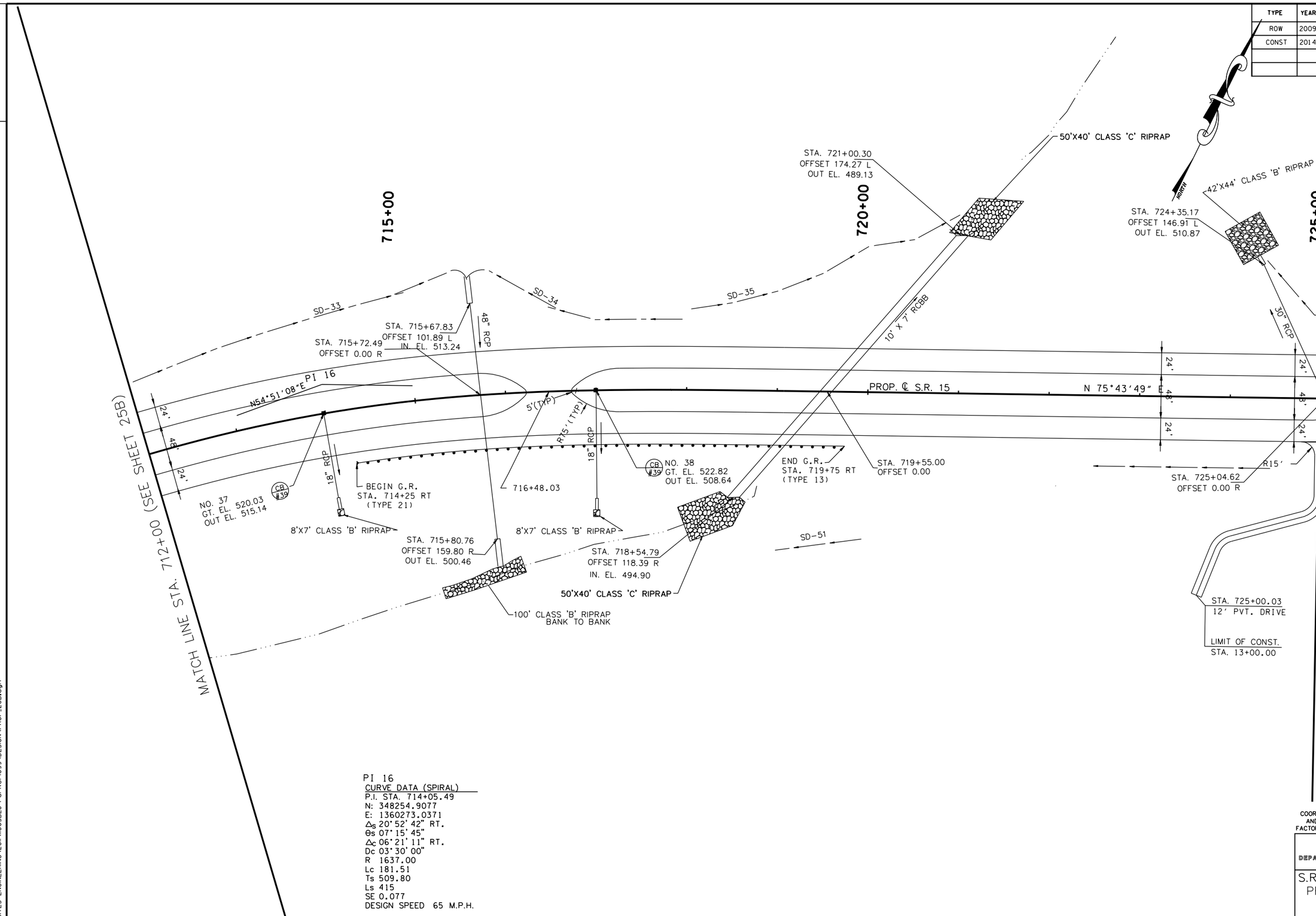
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	26B
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED S-19
REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES
REV. 9-4-12
REVISED CULVERT AT STA. 719+55
REVISED DITCH SD-35
REV. 7-15-13
ADDED RIPRAP
REV. 9-23-13
REVISED RIPRAP FOR CULVERTS AT STA. 715+72 AND 719+65
ADDED TEMP. PIPE



PI 16
CURVE DATA (SPIRAL)
P.I. STA. 714+05.49
N: 348254.9077
E: 1360273.0371
Δ_s 20° 52' 42" RT.
Θ_s 07° 15' 45"
Δ_c 06° 21' 11" RT.
Dc 03° 30' 00"
R 1637.00
Lc 181.51
Ts 509.80
Ls 415
SE 0.077
DESIGN SPEED 65 M.P.H.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 712+00
TO
STA. 725+00
SCALE: 1" = 50'

8/16/2014
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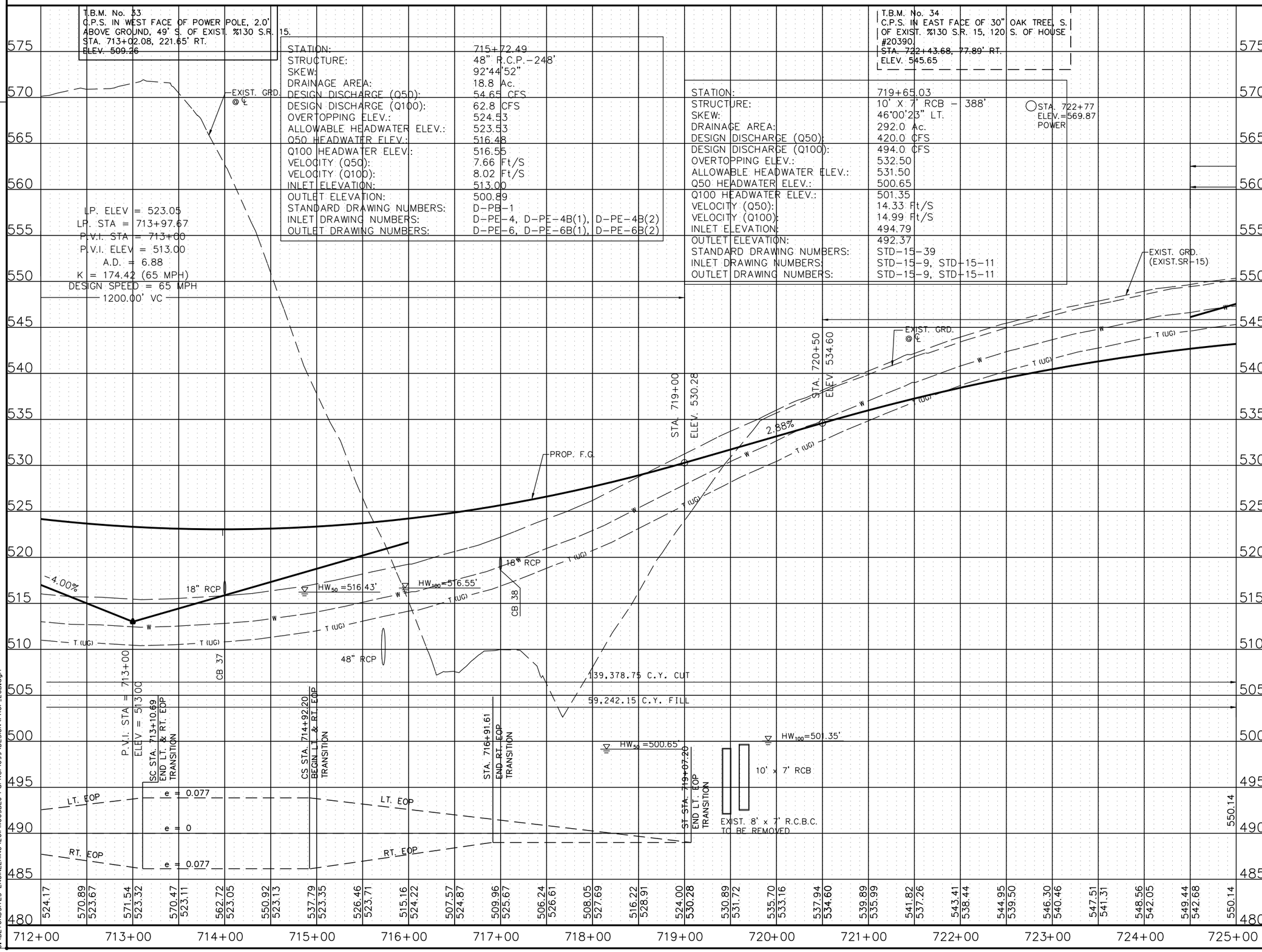
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	26C
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 712+00
TO
STA. 725+00
SCALE: 1" = 50'H, 5'V

8/6/2014
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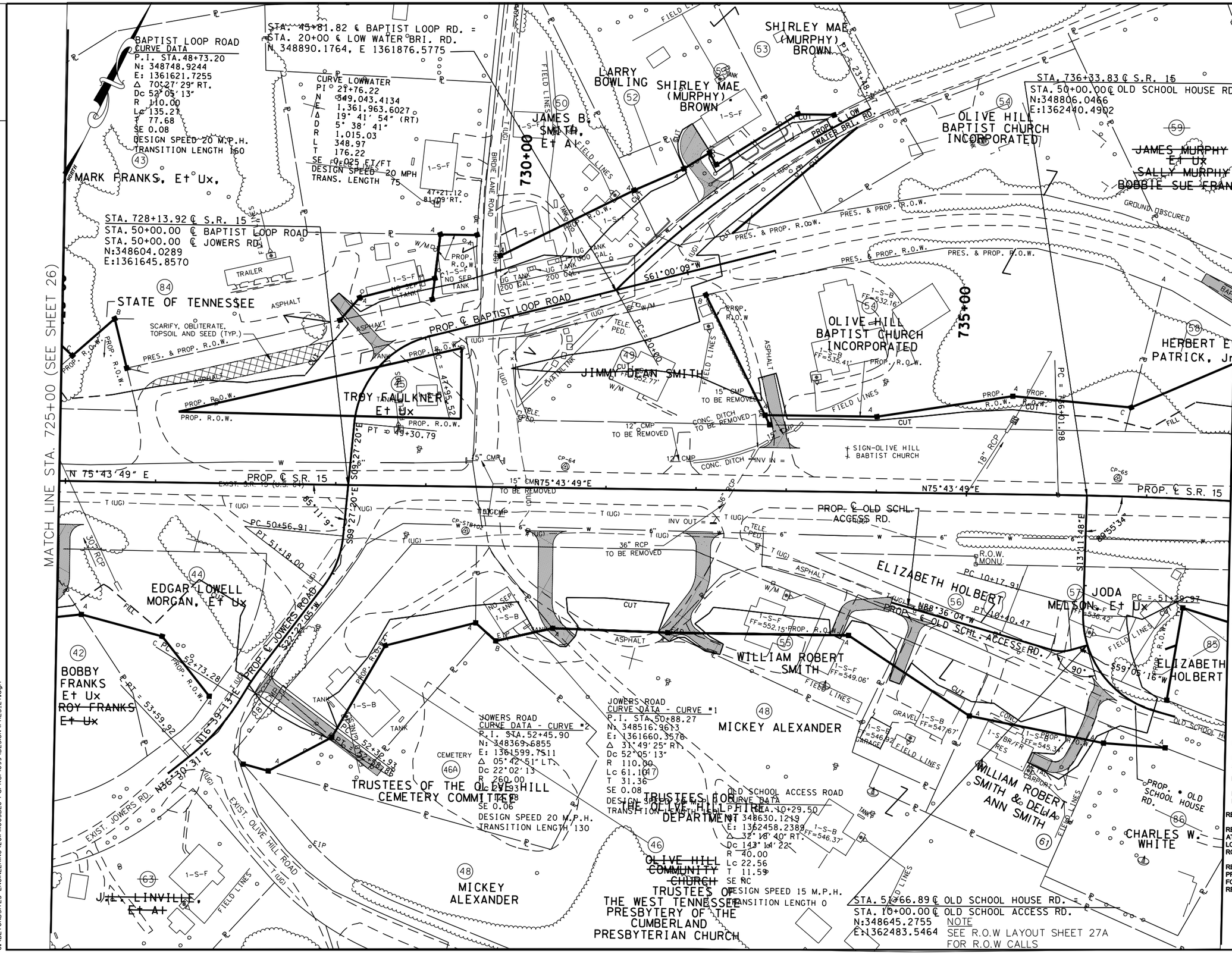
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	27
CONST	2014	36001-3290-14	

REV. 2-08-10
CHANGED PROP. OWNER TRACTS 47 & 54
REVISED DRWY TRACT 46
REMOVED TRACTS 85 & 59 FROM ROW ACQUISITION
ADDED TRACT 52 TO ROW ACQUISITION
REVISED PROP. ROW TRACT 84
ADDED DRWY TRACT 43
REVISED PROP. LINE TRACT 43
REMOVED PROP. ROW LINE TRACT 50
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS
EXTENDED JOWERS RD ALIGNMENT
ADDED WWC-40 & 41
REV. 4-05-10
REMOVED TRACT 59 FROM ROW ACQUISITION
REV. 5-01-10
REVISED GRAPHIC ALIGNMENT OLD SCHOOL HOUSE ROAD
REVISED COORDINATES OF CROSSROAD JOWERS ROAD
REV. 5-26-10
REVISED C/F LIMITS DRWY TRACTS 43, 46, 47, 48, 55 & 56
REV. 3-18-11
ADDED EXIST DRWY & CARPORT TRACT 61
ADDED EXIST GARAGE TRACT 56
ADDED TRACT 46A
REVISED TRACT 46
ADDED NEW DRWY TRACT 61
REV. 3-28-11
REVISED TRACTS 42, 44, 50 & 52
REVISED ROW BIRDIE LANE RD
REV. 4-22-11
ADDED LABEL TRACT 46A, REMOVED ROW CALL OUTS. REVISED EXIST PVMT SCARIFICATION LIMITS
REV. 5-31-11
REVISED PROP LINES & ROW TRACTS 46, 46A, 47, 48, 50,52, 53, 55-58, 61, 85 & 86
REVISED PROP LINES TRACTS 54 & 62 ADDED ALIGN & PRES ROW FOR LOW WATER BRIDGE ROAD. ADDED TRACTS 53 & 85 TO ROW ACQUISITION
REV. 7-01-11
MOVED PROP OWNER NAME TRACT 86
REV. 7-18-11
REVISED LINE STYLES TRACT 52
REV. 8-12-11
REVISED TRACTS 53 & 54 ADDED DRIVE TRACT 53
REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES
REV. 6-29-12
REVISED DRIVE AT 21+55 (LT.) LOW WATER BRI. ROAD
REVISED PROPERTY OWNER FOR TRACT 61 AND REMOVED DRIVE

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 725+00
TO
STA. 738+00
SCALE: 1" = 50'

8/16/2014
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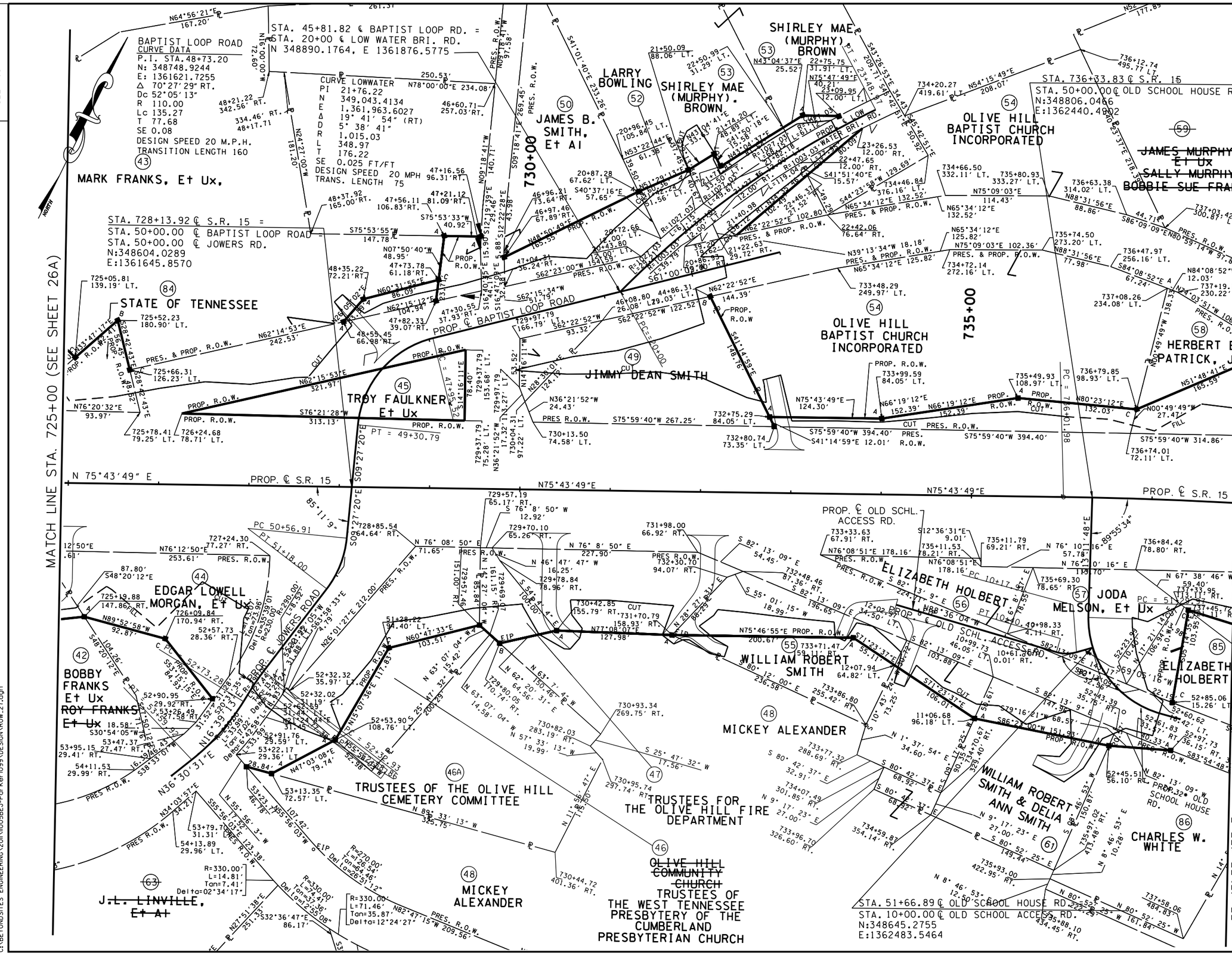
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	27A
CONST	2014	36001-3290-14	



REV. 2-08-10	CHANGED PROP. OWNER TRACT 47 & 54
	EXTENDED JOWERS RD ALIGNMENT
	REMOVED TRACTS 85 & 59 FROM ROW ACQUISITION
	ADDED TRACT 52 TO ROW ACQUISITION
	REVISED DRWY TRACT 46
	REVISED PROP ROW TRACT 84
	ADDED DRWY TRACT 43
	REVISED PROP. LINE TRACT 43
	REMOVED PROP. ROW LINE TRACT 50
	REVISED EXIST SURVEY DATA TRACTS 43, 46, 48, 49, 50, 54, 57, 61 & 86
	REVISED PROP. ROW TRACTS 47, 55, 56 & 58
REV. 4-05-10	
	REVISED EXIST ROW DIST TRACT 43
	ADDED STA. OFFSET TRACT 43
	ADDED EXIST ROW DIST'S TRACT 50
	LABELED PROPERTY LINE TRACT 50
	REMOVED TRACT 59 FROM ROW ACQUISITION
REV. 5-01-10	
	REVISED GRAPHIC ALIGNMENT OLD SCHOOL HOUSE ROAD
	REVISED COORDINATES OF CROSSROAD JOWERS ROAD
	REVISED STA. & OFFSET PROP ROW TRACT 61
	LABELED PROP ROW BETWEEN TRACTS 42 & 44
REV. 5-26-10	
	REVISED C/F LIMITS DRWY TRACTS 43, 46, 47, 48, 55 & 56
REV. 3-18-11	
	ADDED TRACT 46A
	REVISED TRACT 46
REV. 3-28-11	
	REVISED TRACTS 42, 44 50 & 52
	REVISED ROW BIRDIE LANE RD
REV. 4-22-11	
	ADDED ROW CALLS ON PRESENT ROW TRACTS 46 & 46A
	ADDED STA/OFFSET PROPERTY LINE TRACT 46 & 46A
	ADDED LABEL TRACT 46A
REV. 5-31-11	
	REVISED PROP LINES & ROW TRACTS 46, 46A, 47, 48, 50, 52, 53, 55-58, 61, 85 & 86
	REVISED PROP LINES TRACTS 54 & 62
	ADDED ALIGN & PRES ROW FOR LOW WATER BRIDGE ROAD
	ADDED TRACTS 53 & 85 TO ROW ACQUISITION
REV. 7-01-11	
	MOVED PROP OWNER NAME TRACT 86
	ADDED STA/OFFSETS & DIST/BRGS TRACT 53 & 54
REV. 7-18-11	
	REVISED EXIST ROW CURVE LENGTHS TRACT 54
	REVISED LINE STYLES TRACT 52
REV. 8-12-11	
	REVISED TRACTS 53 & 54 ADDED DRIVEWAY TRACT 53
REV. 6-29-12	
	REVISED TRACT 53 REVISED DRIVE AT TRACT 53
	REVISED PROPERTY OWNER AND REMOVED DRIVE FOR TRACT 61
	REVISED TRACT 54 ROW BEARING

BIRDIE F. JACKSON III
STATE OF TENNESSEE
14
2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 725+00
TO
STA. 738+00
SCALE: 1" = 50'

8/6/2014
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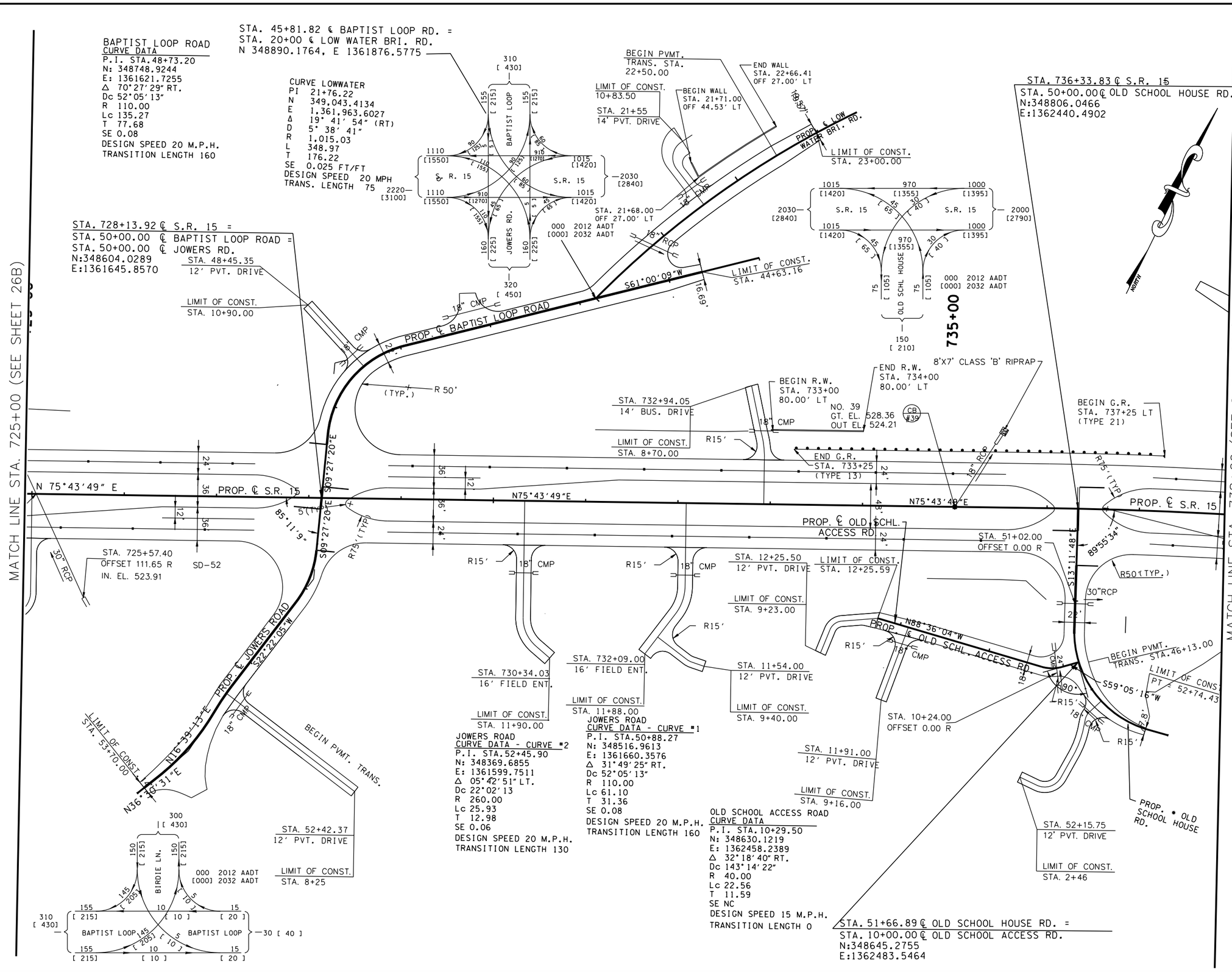
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	27B
CONST	2014	36001-3290-14	



REV.	
REV. 2-08-10	EXTENDED JOWERS RD ALIGNMENT ADDED WWC-40 & 41
REV. 5-01-10	REVISED GRAPHIC ALIGNMENT OLD SCHOOL HOUSE ROAD REVISED COORDINATES OF CROSSROAD JOWERS ROAD
REV. 5-26-10	REVISED C/F LIMITS DRWY TRACTS 43, 46, 47, 48, 55 & 56
REV. 3-18-11	ADDED DRWY TRACT 61
REV. 5-31-11	ADDED ALIGNMENT & PRES ROW FOR LOW WATER BRIDGE ROAD
REV. 8-12-11	ADDED DRWY TRACT 53
REV. 2-24-12	REVISED ENVIRONMENTAL FEATURES
REV. 2-24-12	REVISED ENVIRONMENTAL FEATURES
REV. 6-29-12	REVISED DRIVE AT STA. 21+55 (LT.) LOW WATER BRIDGE ROAD ADDED RETAINING WALL AT STA. 21+68 (LT) LOW WATER BRIDGE ROAD REMOVED DRIVE AT STA. 10+95 OLD SCHOOL ACCESS RD.
REV. 10-XX-12	ADDED TURN LANES AND TURN LANE WIDTHS

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 712+00
TO
STA. 725+00
SCALE: 1" = 50'

8/6/2014
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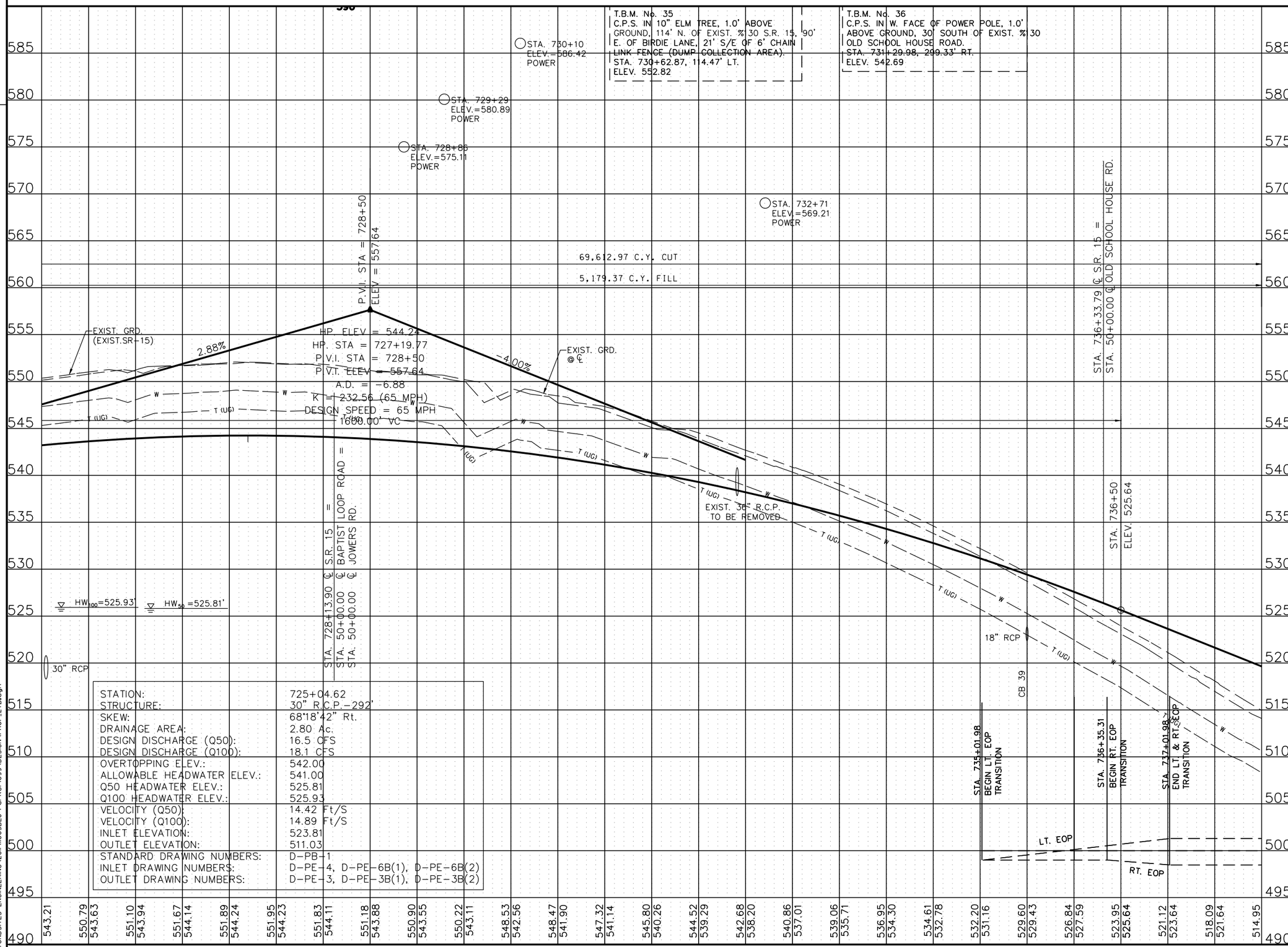
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	27C
CONST	2014	36001-3290-14	



STATION:	725+04.62
STRUCTURE:	30" R.C.P.-292'
SKEW:	68°18'42" Rt.
DRAINAGE AREA:	2.80 Ac.
DESIGN DISCHARGE (Q50):	16.5 CFS
DESIGN DISCHARGE (Q100):	18.1 CFS
OVERTOPPING ELEV.:	542.00
ALLOWABLE HEADWATER ELEV.:	541.00
Q50 HEADWATER ELEV.:	525.81
Q100 HEADWATER ELEV.:	525.93
VELOCITY (Q50):	14.42 Ft/S
VELOCITY (Q100):	14.89 Ft/S
INLET ELEVATION:	523.81
OUTLET ELEVATION:	511.03
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-4, D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-3, D-PE-3B(1), D-PE-3B(2)

REV. 10-05-10
REV. 10-05-10
REVISED SE CURVE TRANS CURVE 17
REVISED SE CURVE TRANS CURVE 17

REV. 10-XX-12

LABELED TANGENTS FOR VERTICAL CURVES

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 725+00
TO
STA. 738+00
SCALE: 1" = 50'H, 5'V

8/6/2014
C:\BEYONDSITES ENGINEERING\2011\11005BEJ-Parker1099\DESIGN\PROF_27B.dgn

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	28
CONST	2014	36001-3290-14	

REV. 2-08-10
REMOVED ROW CALL OUTS
ADDED NOTE FOR ROW CALLS
ADDED FIELD ENT TRACT 88
DELETED TRACTS 62,85 & 87 FROM ROW ACQUISITION
ADDED CUL-DE-SAC BAPTIST LOOP RD
ADDED WWC-42

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACT 88

REV. 10-05-10
ADDED CURVE DATA CURVE 18
REVISED SE CURVE 17

REV. 4-22-11
REMOVED ROW CALL OUTS

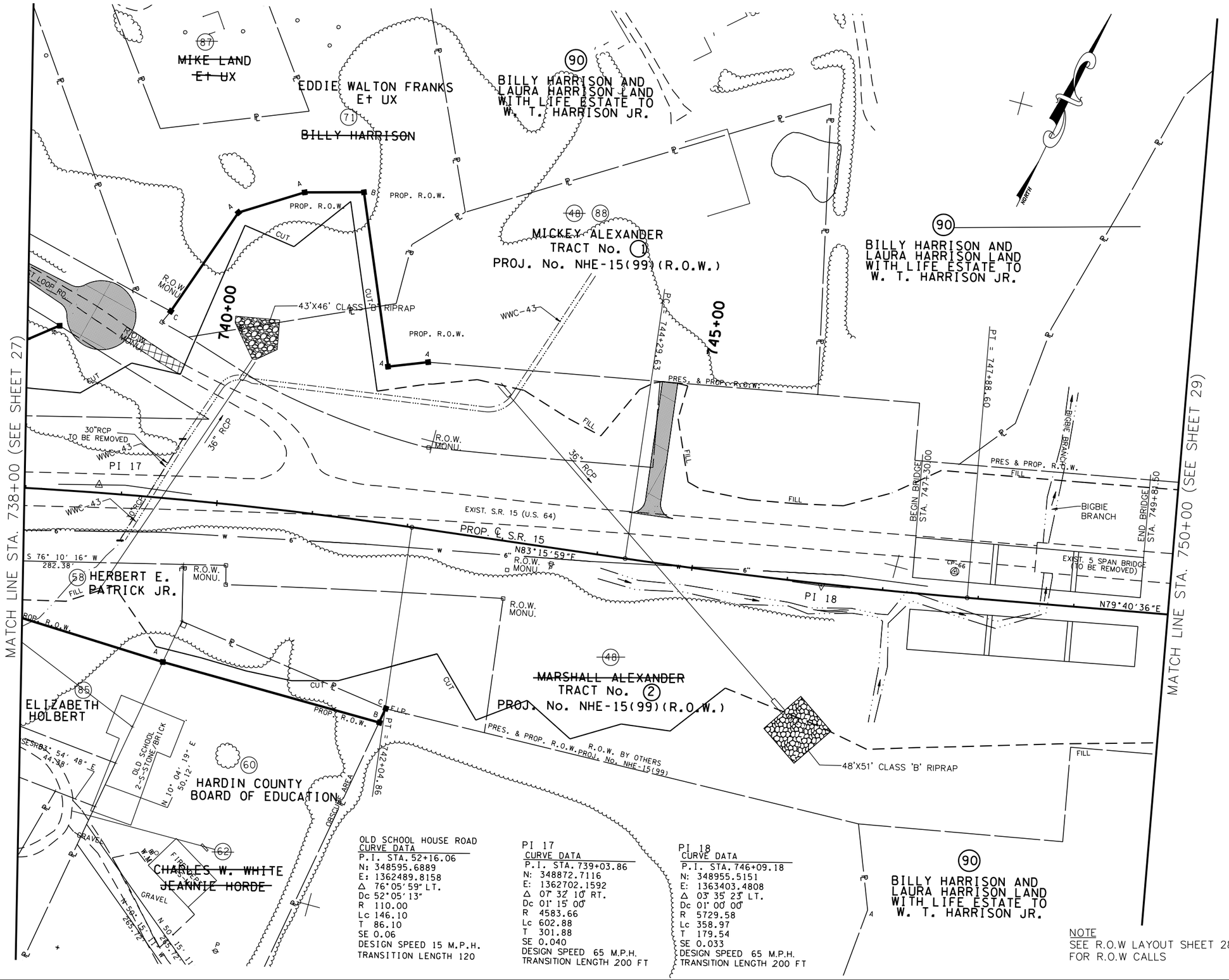
REV. 5-31-11
REVISED PROP LINES TRACTS 58, 60, 62 & 85
REVISED ROW TRACTS 58, 60 & 85

REV. 7-01-11
MOVED PROP OWNER NAME TRACT 86

REV. 2-24-12
REVISE ENVIRONMENTAL FEATURES

REV. 5-14-13
ADDED TRACT 90

REV. 12-05-13
REMOVED AREA TO BE ACQUIRED FOR TRACT 90



OLD SCHOOL HOUSE ROAD
CURVE DATA
P.I. STA. 52+16.06
N: 348595.6889
E: 1362489.8158
Δ 76°05'59" LT.
Dc 52°05'13"
R 110.00
Lc 146.10
T 86.10
SE 0.06
DESIGN SPEED 15 M.P.H.
TRANSITION LENGTH 120

PI 17
CURVE DATA
P.I. STA. 739+03.86
N: 348872.7116
E: 1362702.1592
Δ 07° 32' 10" RT.
Dc 01° 15' 00"
R 4583.66
Lc 602.88
T 301.88
SE 0.040
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

PI 18
CURVE DATA
P.I. STA. 746+09.18
N: 348955.5151
E: 1363403.4808
Δ 03° 35' 23" LT.
Dc 01° 00' 00"
R 5729.58
Lc 358.97
T 179.54
SE 0.033
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

NOTE
SEE R.O.W LAYOUT SHEET 28A FOR R.O.W CALLS

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 738+00
TO
STA. 750+00
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	28A
CONST	2014	36001-3290-14	

REV. 2-08-10

ADDED FIELD ENT TRACT 88

DELETED TRACTS 62,85 & 87 FROM ROW ACQUISITION

REVISED EXIST. SURVEY DATA TRACTs 71 & 58

REVISED PROP ROW TRACT 71

REV. 5-01-10

REVISED STA. & OFFSET EXIST ROW TRACT 58

REV. 5-26-10

REVISED C/F LIMITS DRWY TRACT 88

REV. 10-05-10

REVISED SE CURVE 17

REVISED SE TRANS CURVE 18

REV. 4-22-11

REMOVED FEATURES NOT NEEDED

REV. 5-31-11

REVISED PROP LINES TRACTS 58, 60, 62 & 85

REVISED ROW TRACTS 58, 60 & 85

REV. 7-01-11

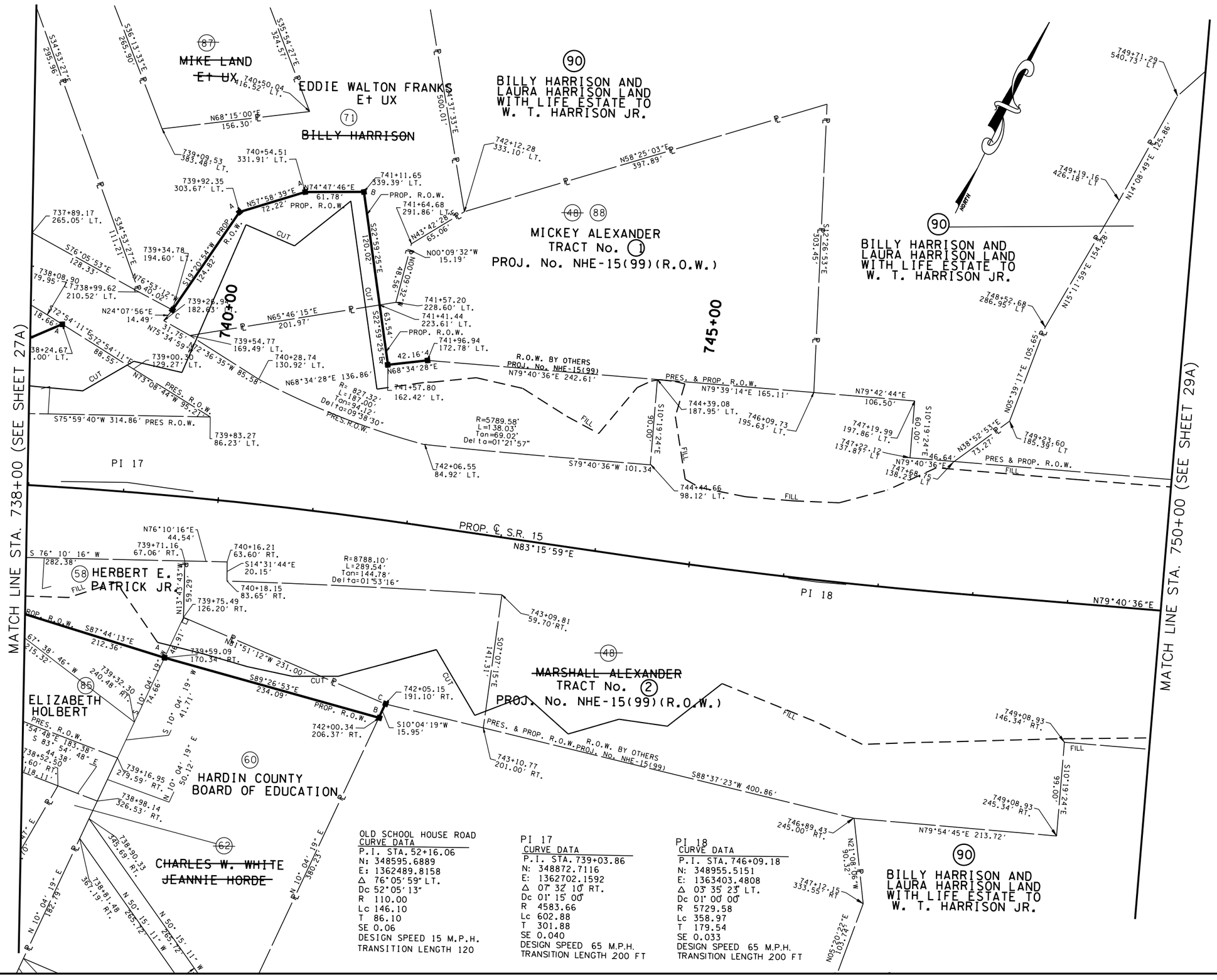
MOVED PROP OWNER NAME TRACT 86

REV. 5-14-13

ADDED TRACT 90

REV. 12-05-13

REMOVED AREA TO BE ACQUIRED FOR TRACT 90



OLD SCHOOL HOUSE ROAD
CURVE DATA
P.I. STA. 52+16.06
N: 348595.6889
E: 1362489.8158
Δ 76°05'59" LT.
Dc 52°05'13"
R 110.00
Lc 146.10
T 86.10
SE 0.06
DESIGN SPEED 15 M.P.H.
TRANSITION LENGTH 120

PI 17
CURVE DATA
P.I. STA. 739+03.86
N: 348872.7116
E: 1362702.1592
Δ 07° 32' 10" RT.
Dc 01° 15' 00"
R 4583.66
Lc 602.88
T 301.88
SE 0.040
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

PI 18
CURVE DATA
P.I. STA. 746+09.18
N: 348955.5151
E: 1363403.4808
Δ 03° 35' 23" LT.
Dc 01° 00' 00"
R 5729.58
Lc 358.97
T 179.54
SE 0.033
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 738+00
TO
STA. 750+00
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	28B
CONST	2014	36001-3290-14	

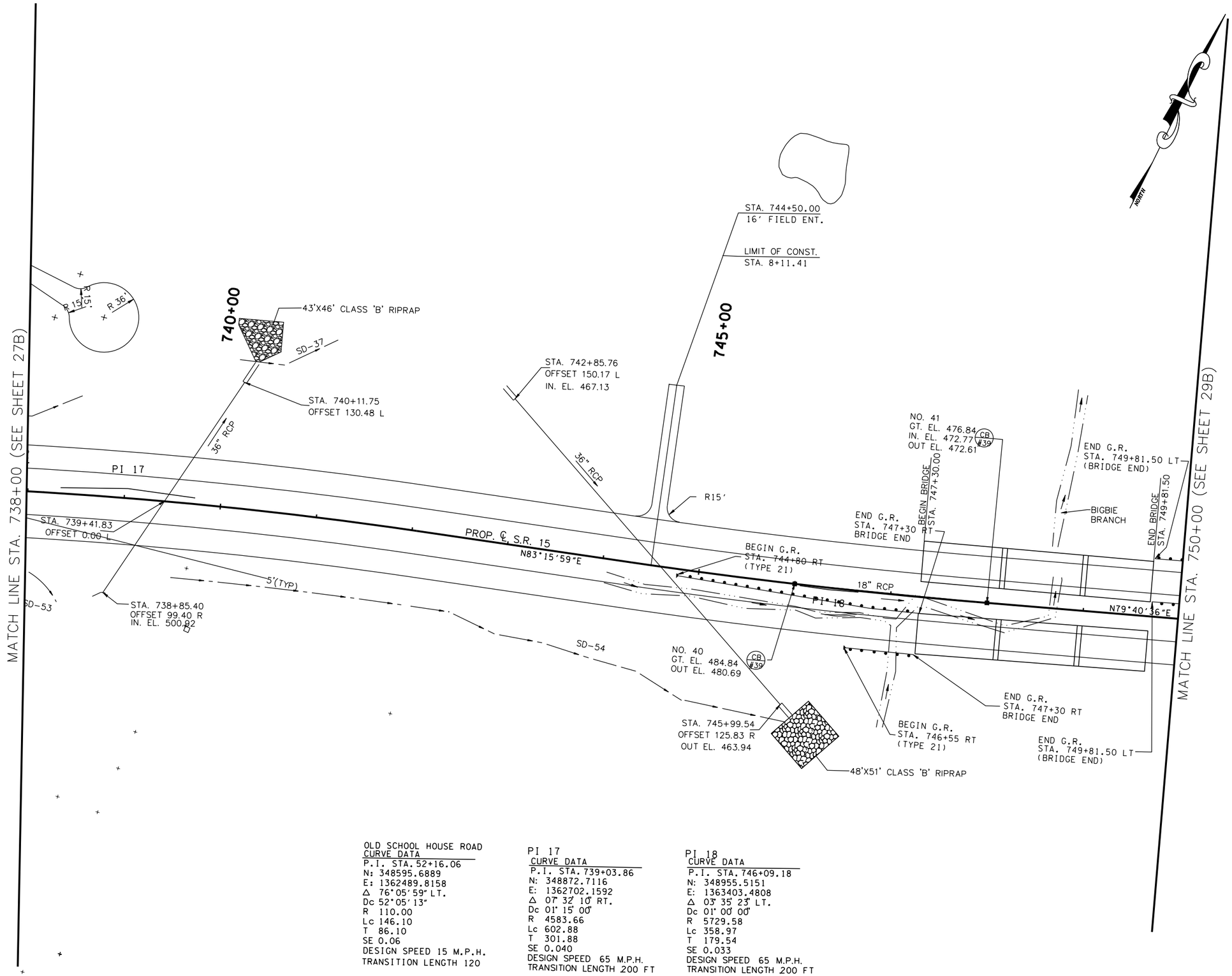
REV. 2-08-10
ADDED WWC-42
ADDED FIELD ENT TRACT 88

REV. 5-26-10
REVISED C/F LIMITS DRWY TRACT 88

REV. 10-05-10
REVISED SE CURVE 17
ADDED CURVE DATA CURVE 18

REV. 2-24-12
REVISED ENVIRONMENTAL FEATURES

REV. 10-XX-12
SHOWED CURVE DATA FOR PI 18



OLD SCHOOL HOUSE ROAD
CURVE DATA
P.I. STA. 52+16.06
N: 348595.6889
E: 1362489.8158
Δ 76°05'59" LT.
Dc 52°05'13"
R 110.00
Lc 146.10
T 86.10
SE 0.06
DESIGN SPEED 15 M.P.H.
TRANSITION LENGTH 120

PI 17
CURVE DATA
P.I. STA. 739+03.86
N: 348872.7116
E: 1362702.1592
Δ 07° 32' 10" RT.
Dc 01° 15' 00"
R 4583.66
Lc 602.88
T 301.88
SE 0.040
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

PI 18
CURVE DATA
P.I. STA. 746+09.18
N: 348955.5151
E: 1363403.4808
Δ 03° 35' 23" LT.
Dc 01° 00' 00"
R 5729.58
Lc 358.97
T 179.54
SE 0.033
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

BIRDIE F. JACKSON III
REGISTERED ENGINEER
NO. 112 890
STATE OF TENNESSEE
8-14-2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 738+00
TO
STA. 750+00
SCALE: 1" = 50'

8/16/2014
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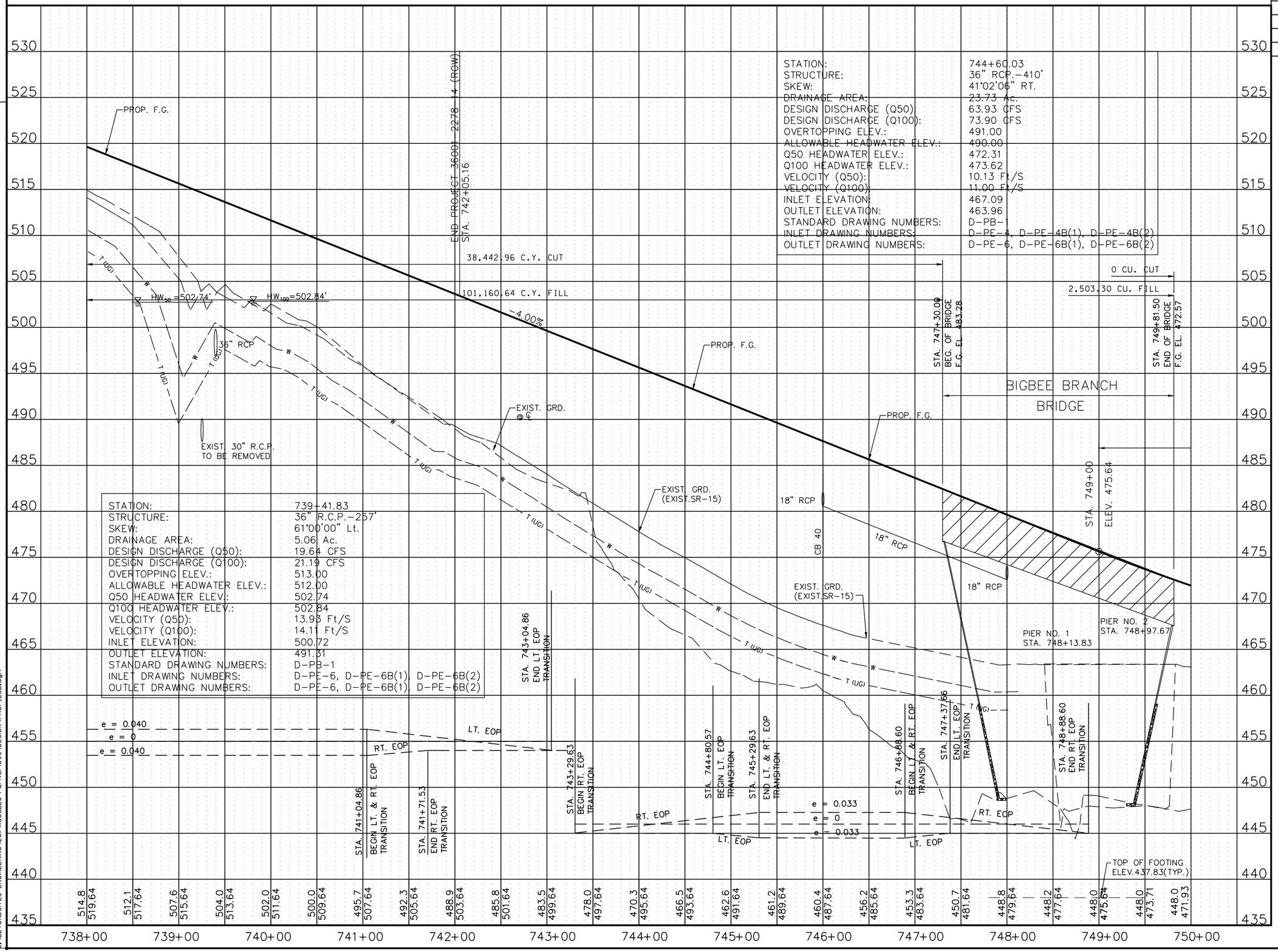
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	28C
CONST	2014	36001-3290-14	



STATION:	744+60.03
STRUCTURE:	36" RCP.-410'
SKEW:	41°02'06" RT.
DRAINAGE AREA:	23.73 Ac.
DESIGN DISCHARGE (Q50)	63.93 CFS
DESIGN DISCHARGE (Q100):	73.90 CFS
OVERTOPPING ELEV.:	491.00
ALLOWABLE HEADWATER ELEV.:	490.00
Q50 HEADWATER ELEV.:	472.31
Q100 HEADWATER ELEV.:	473.62
VELOCITY (Q50):	10.13 Ft/S
VELOCITY (Q100):	11.00 Ft/S
INLET ELEVATION:	467.09
OUTLET ELEVATION:	463.96
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-4, D-PE-4B(1), D-PE-4B(2)
OUTLET DRAWING NUMBERS:	D-PE-6, D-PE-6B(1), D-PE-6B(2)

STATION:	739+41.83
STRUCTURE:	36" R.C.P.-257'
SKEW:	61°00'00" Lt.
DRAINAGE AREA:	5.06 Ac.
DESIGN DISCHARGE (Q50):	19.64 CFS
DESIGN DISCHARGE (Q100):	21.19 CFS
OVERTOPPING ELEV.:	513.00
ALLOWABLE HEADWATER ELEV.:	512.00
Q50 HEADWATER ELEV.:	502.74
Q100 HEADWATER ELEV.:	502.84
VELOCITY (Q50):	13.93 Ft/S
VELOCITY (Q100):	14.11 Ft/S
INLET ELEVATION:	500.72
OUTLET ELEVATION:	491.31
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-6, D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-6, D-PE-6B(1), D-PE-6B(2)

REV. 10-05-10

REVISED SE CURVE TRANS CURVES 17 & 18

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

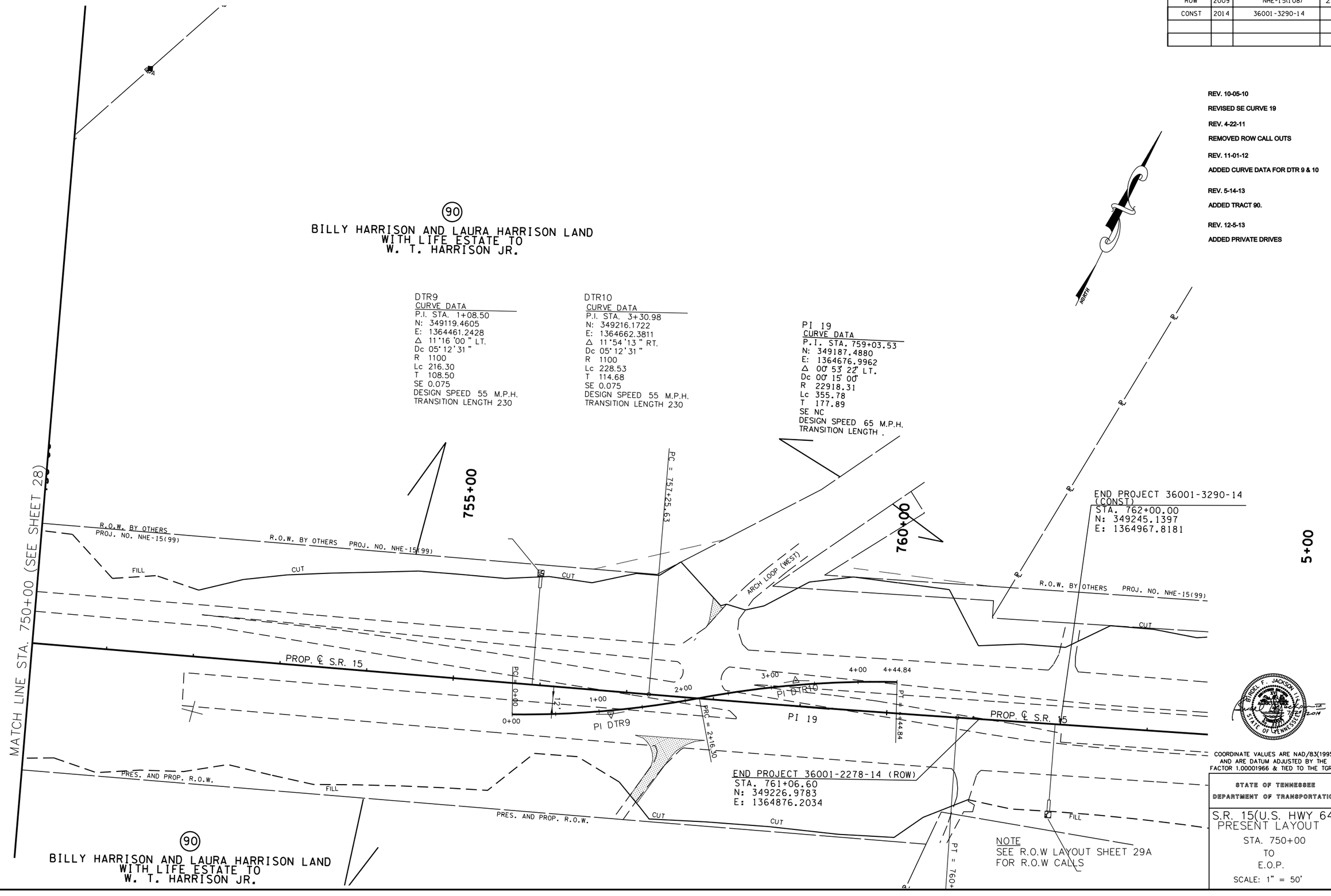
S.R. 15(U.S. HWY 64)
PROFILE
STA. 738+00
TO
STA. 750+00
SCALE: 1" = 50'H, 5'V

8/6/2014
C:\BEYONDSITES ENGINEERING\20IN\I005BEJ-Parker\099\DESIGN\PROF_28B.dgn

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	29
CONST	2014	36001-3290-14	

REV. 10-05-10
REVISED SE CURVE 19
REV. 4-22-11
REMOVED ROW CALL OUTS
REV. 11-01-12
ADDED CURVE DATA FOR DTR 9 & 10
REV. 5-14-13
ADDED TRACT 90.
REV. 12-5-13
ADDED PRIVATE DRIVES



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PRESENT LAYOUT
STA. 750+00
TO
E.O.P.
SCALE: 1" = 50'

8/16/2014
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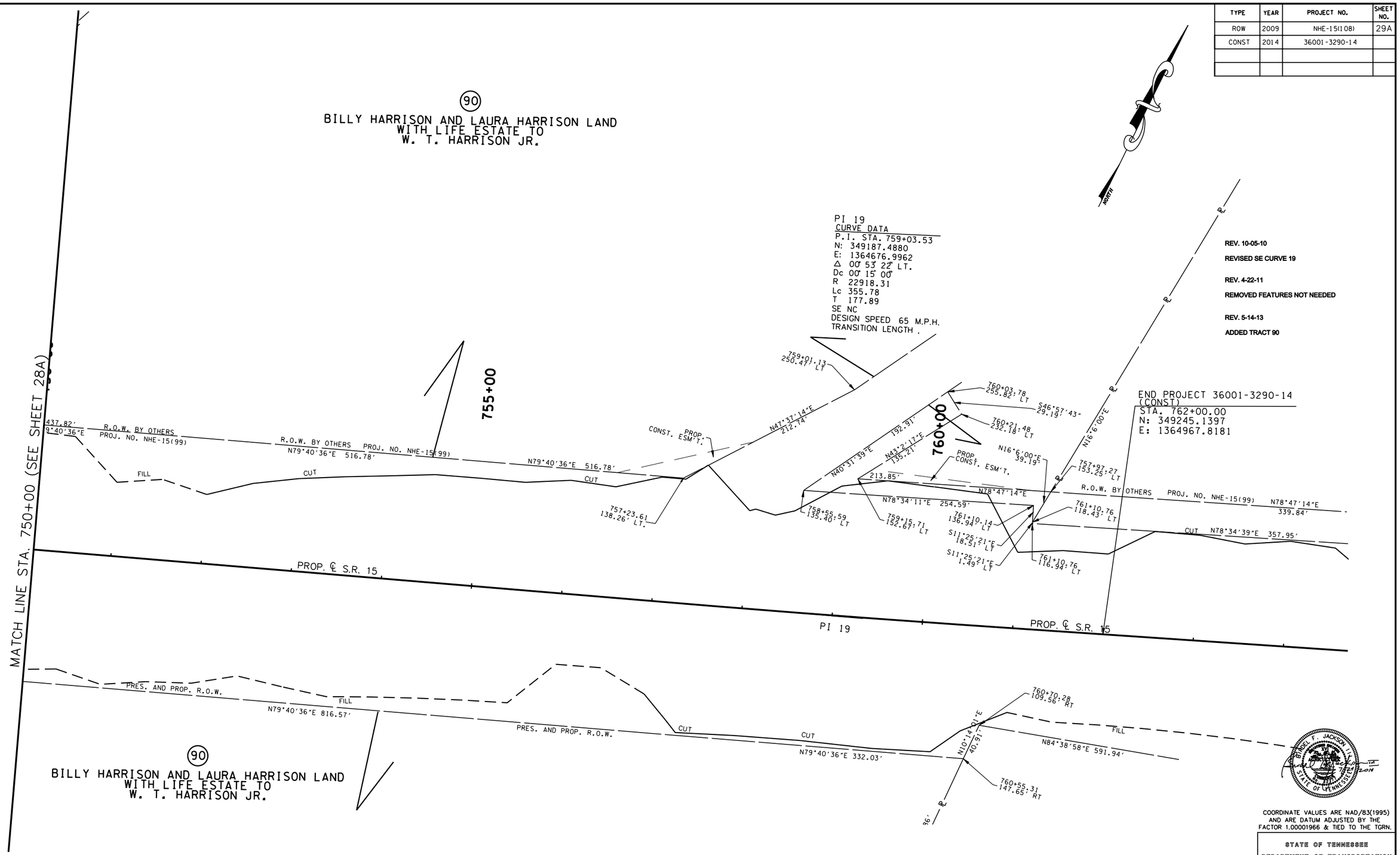
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	29A
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
R.O.W. LAYOUT
STA. 750+00
TO
E.O.P.
SCALE: 1" = 50'

8/6/2014
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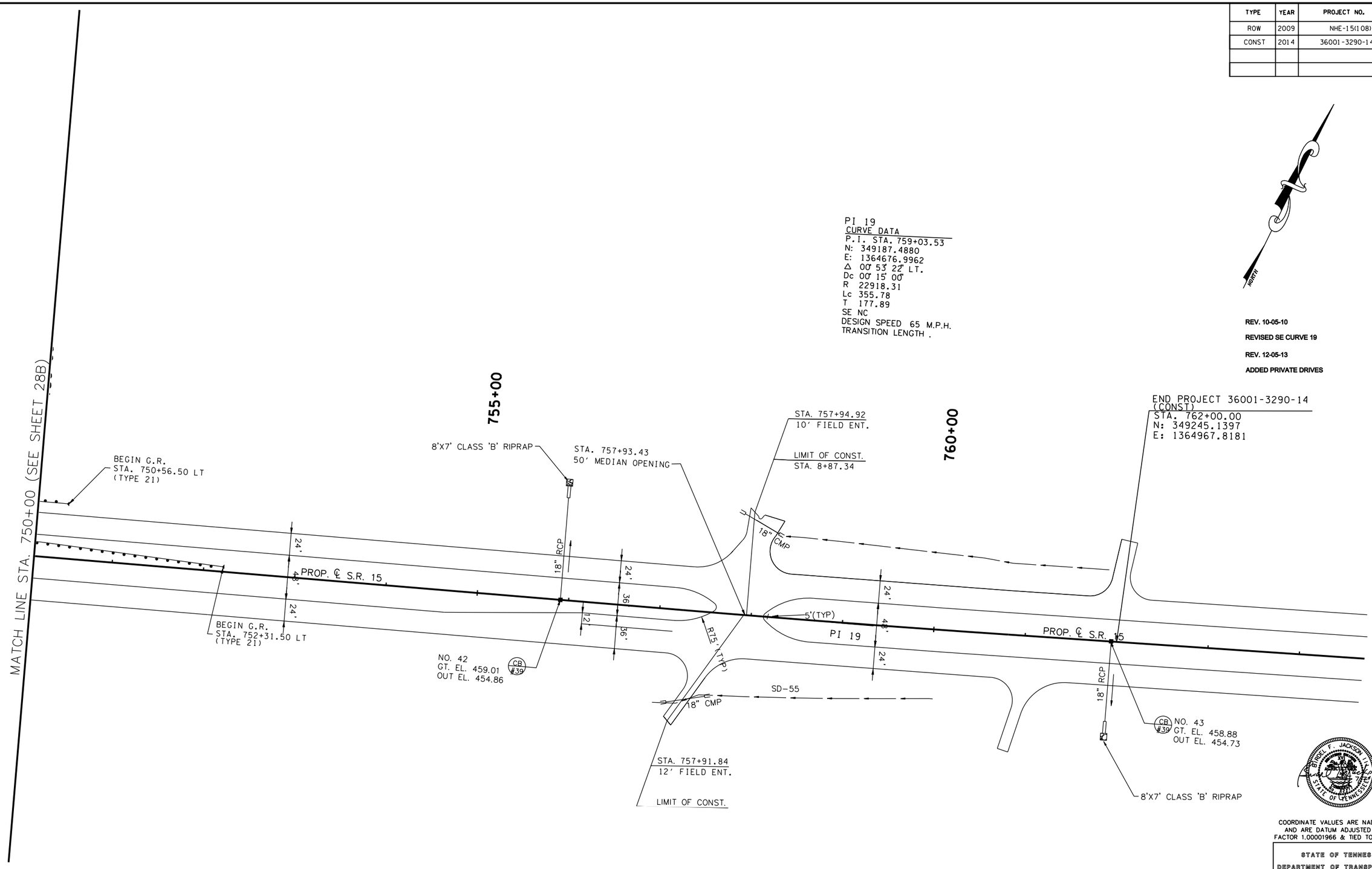
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	29B
CONST	2014	36001-3290-14	



PI 19
CURVE DATA
P.I. STA. 759+03.53
N: 349187.4880
E: 1364676.9962
Δ 00° 53' 22" LT.
Dc 00° 15' 00"
R 22918.31
Lc 355.78
T 177.89
SE NC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH .

REV. 10-05-10
REVISED SE CURVE 19
REV. 12-05-13
ADDED PRIVATE DRIVES

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 750+00
TO
E.O.P.
SCALE: 1" = 50'

8/16/2014
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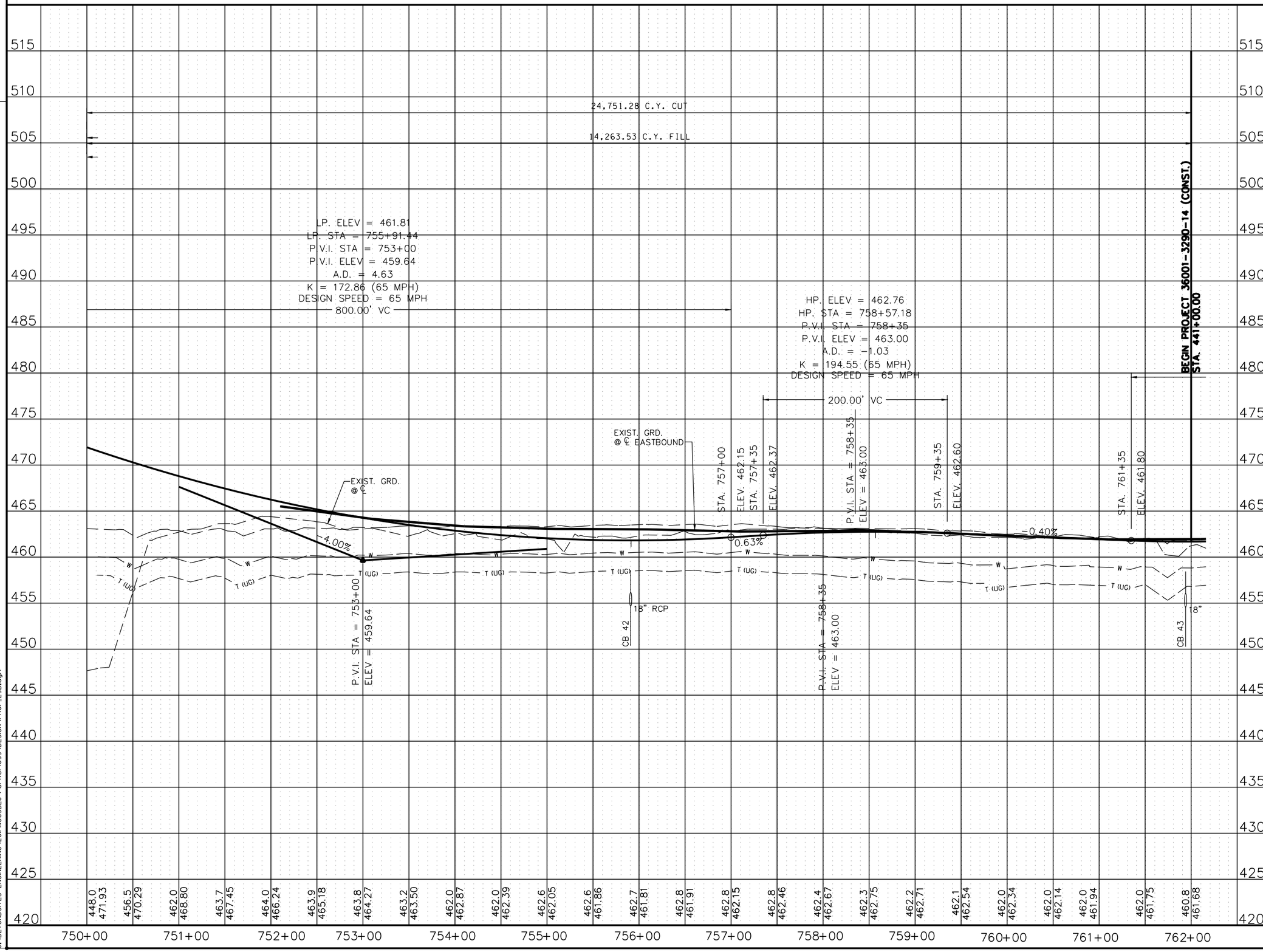
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	29C
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STA. 750+00
TO
E.O.P.
SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

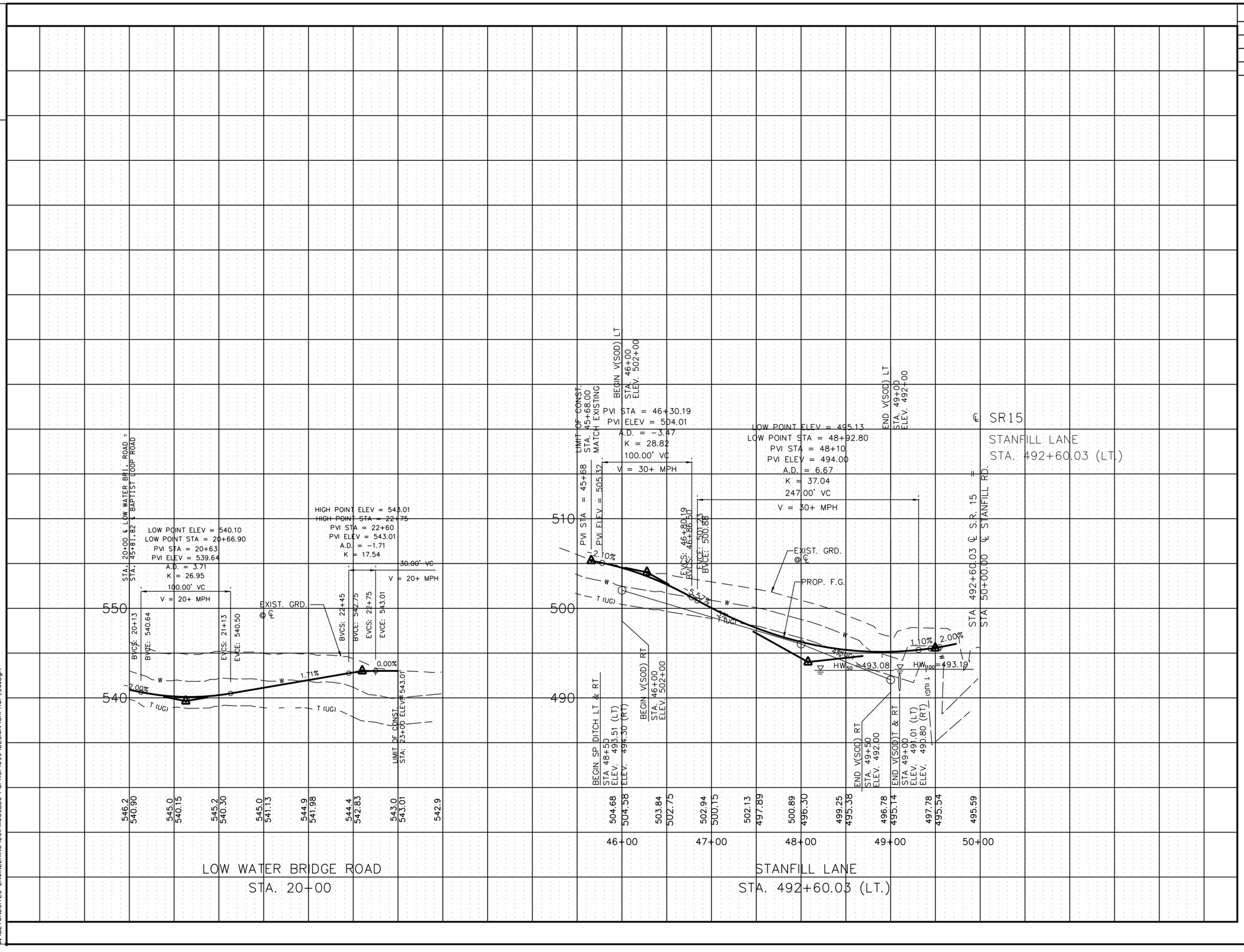
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	30
CONST	2014	36001-3290-14	

REV. 5-31-11

ADDED LOW WATER BRIDGE ROAD PROFILE

REV. 8-12-11

REVISED LOW WATER BRIDGE ROAD PROFILE



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
STANFILL LANE &
LOW WATER BRIDGE ROAD
SCALE: 1" = 50'H, 5'V

8/16/2014
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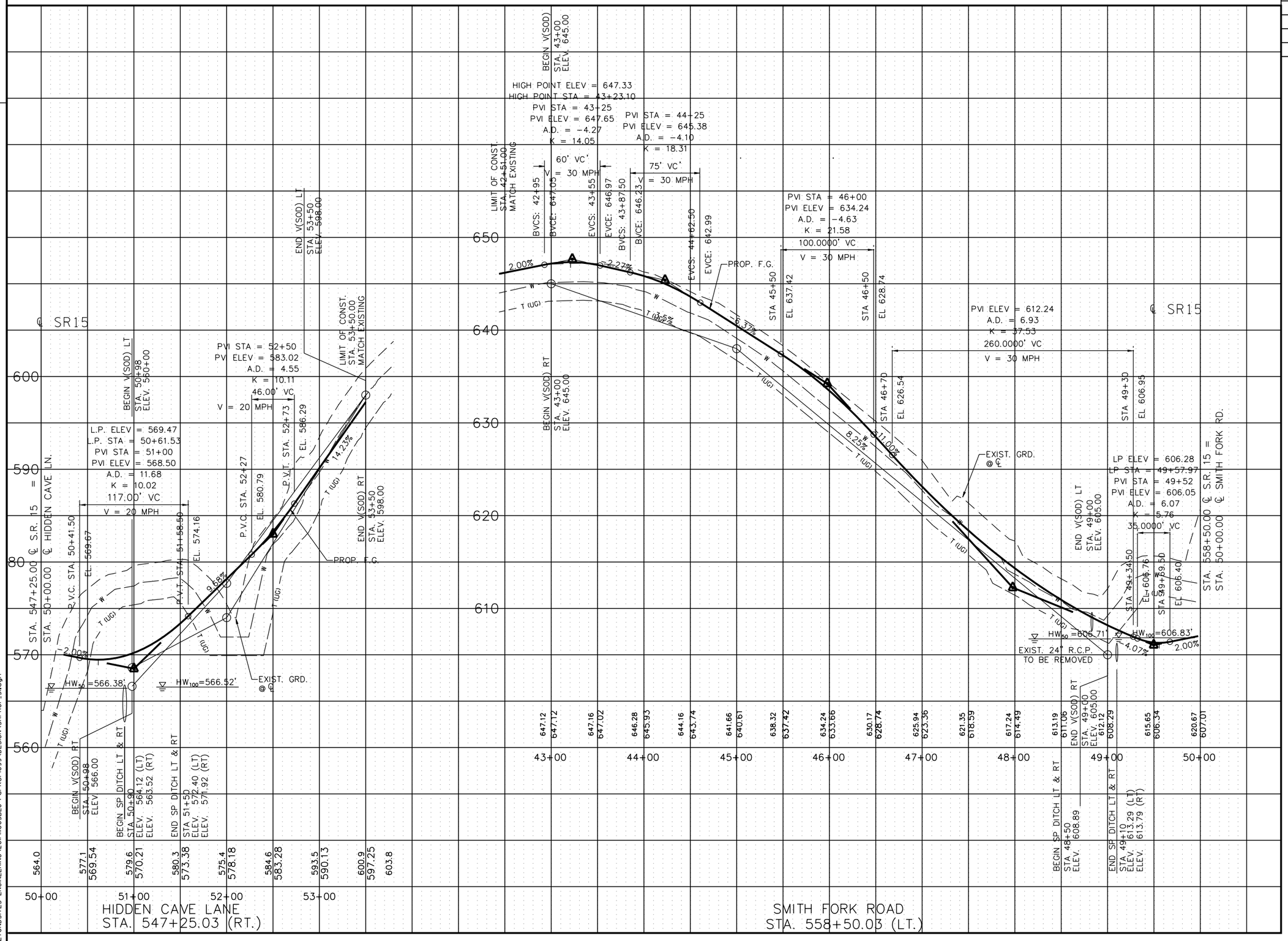
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	31
CONST	2014	36001-3290-14	



REV. 3-18-11
REVISED PROFILE SMITH FORK ROAD

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
HIDDEN CAVE LANE
SMITH FORK ROAD
SCALE: 1" = 50'H, 5'V

8/16/2014
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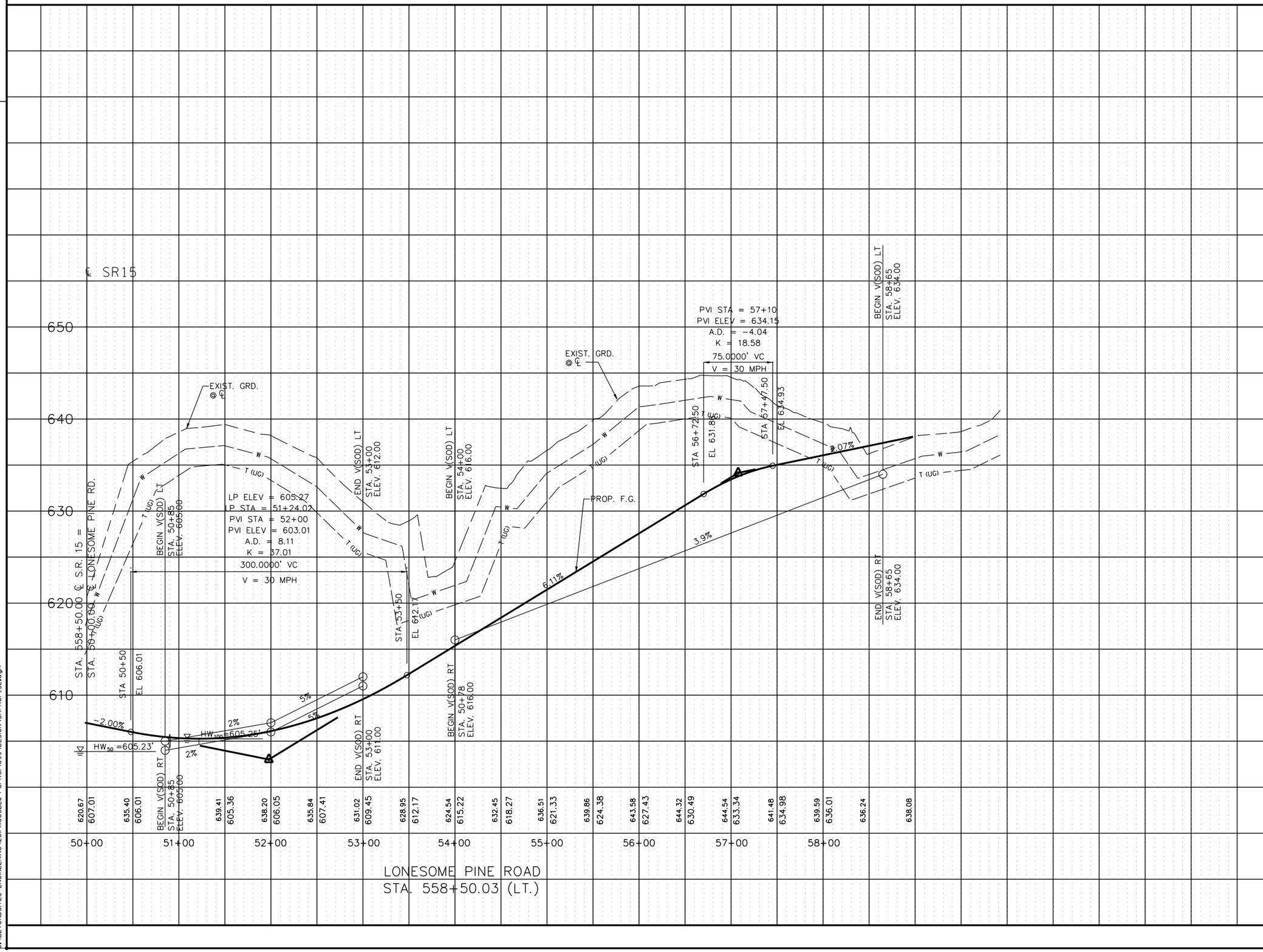
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	32
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
LONESOME PINE ROAD
SCALE: 1" = 50'H, 5'V

8/16/2014
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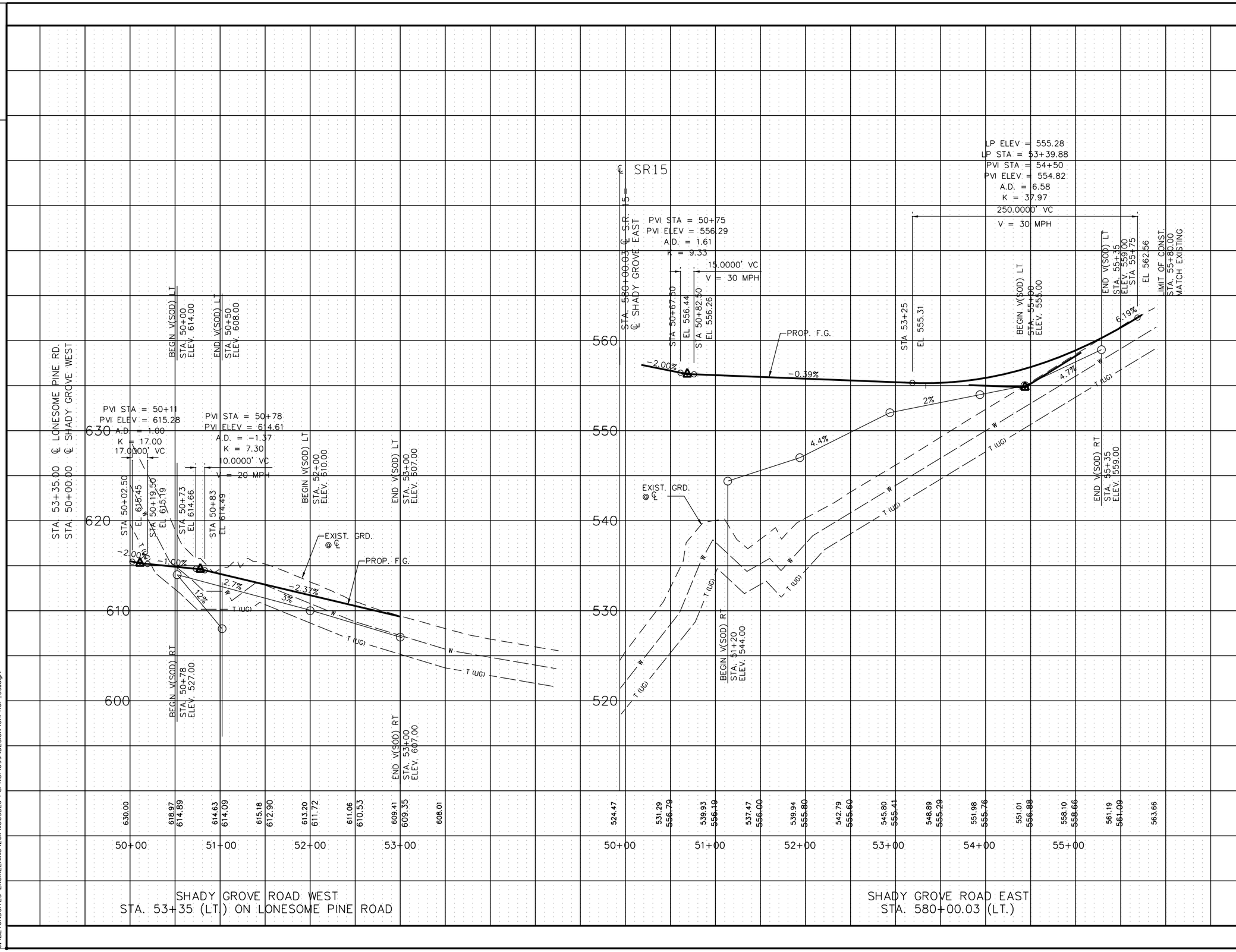
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	33
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
SHADY GROVE ROAD WEST
SHADY GROVE ROAD EAST
SCALE: 1" = 50'H, 5'V

8/16/2014
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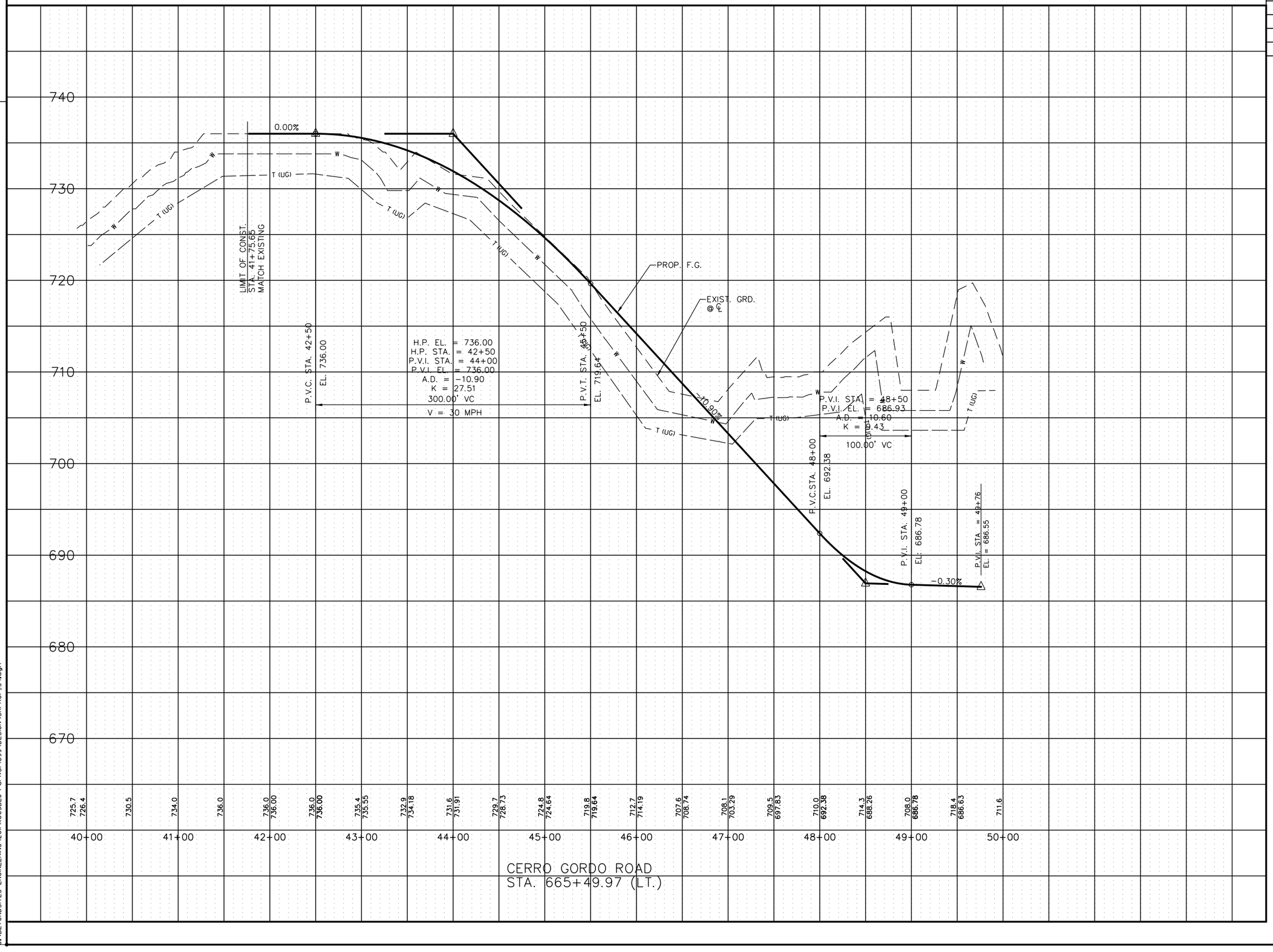
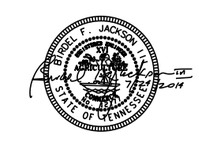
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	34
CONST	2014	36001-3290-14	



REV. 11-29-10

REVISED PROFILE
CERRO GORDO ROAD



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE

CERO GORDO ROAD

SCALE: 1" = 50'H, 5'V

8/16/2014
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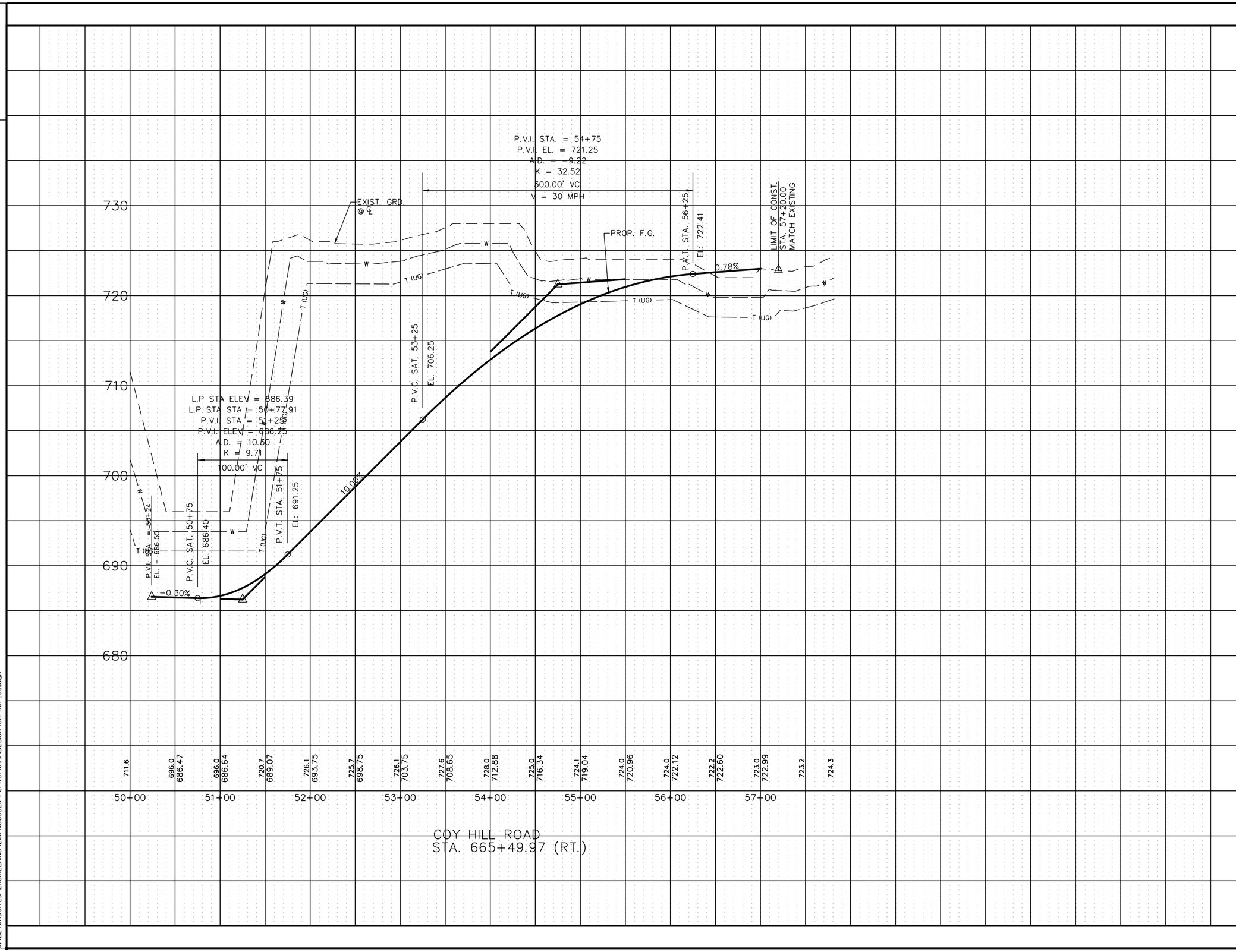
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	35
CONST	2014	36001-3290-14	



REV. 11-29-10

REVISED PROFILE
COY HILL ROAD

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

PROFILE

COY HILL ROAD

SCALE: 1" = 50'H, 5'V

8/16/2014
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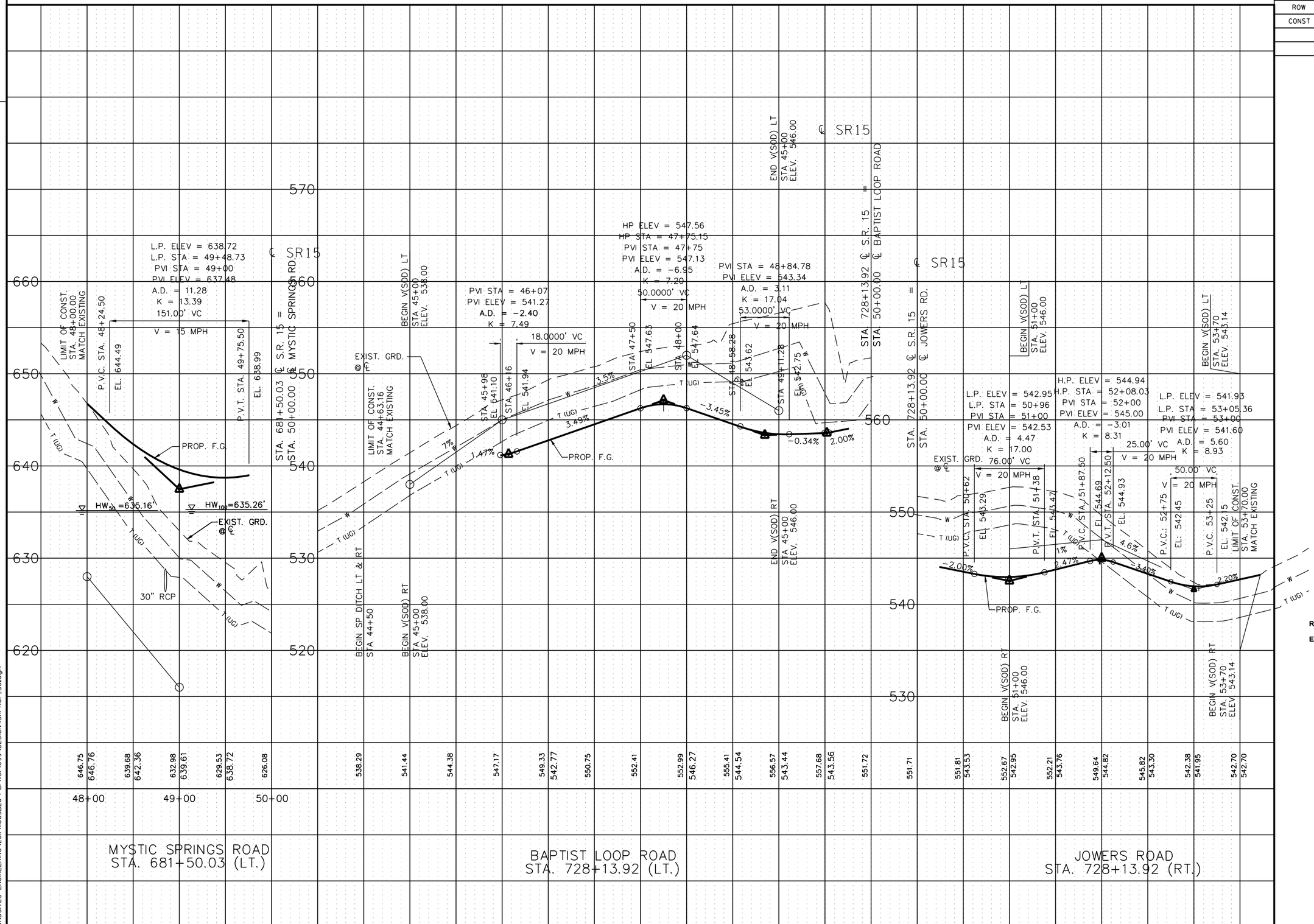
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	36
CONST	2014	36001-3290-14	



REV. 2-08-10

EXTENDED PROFILE JOWERS RD

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
MYSTIC SPRINGS ROAD
BAPTIST LOOP ROAD
JOWERS ROAD

SCALE: 1" = 50'H, 5'V

8/16/2014
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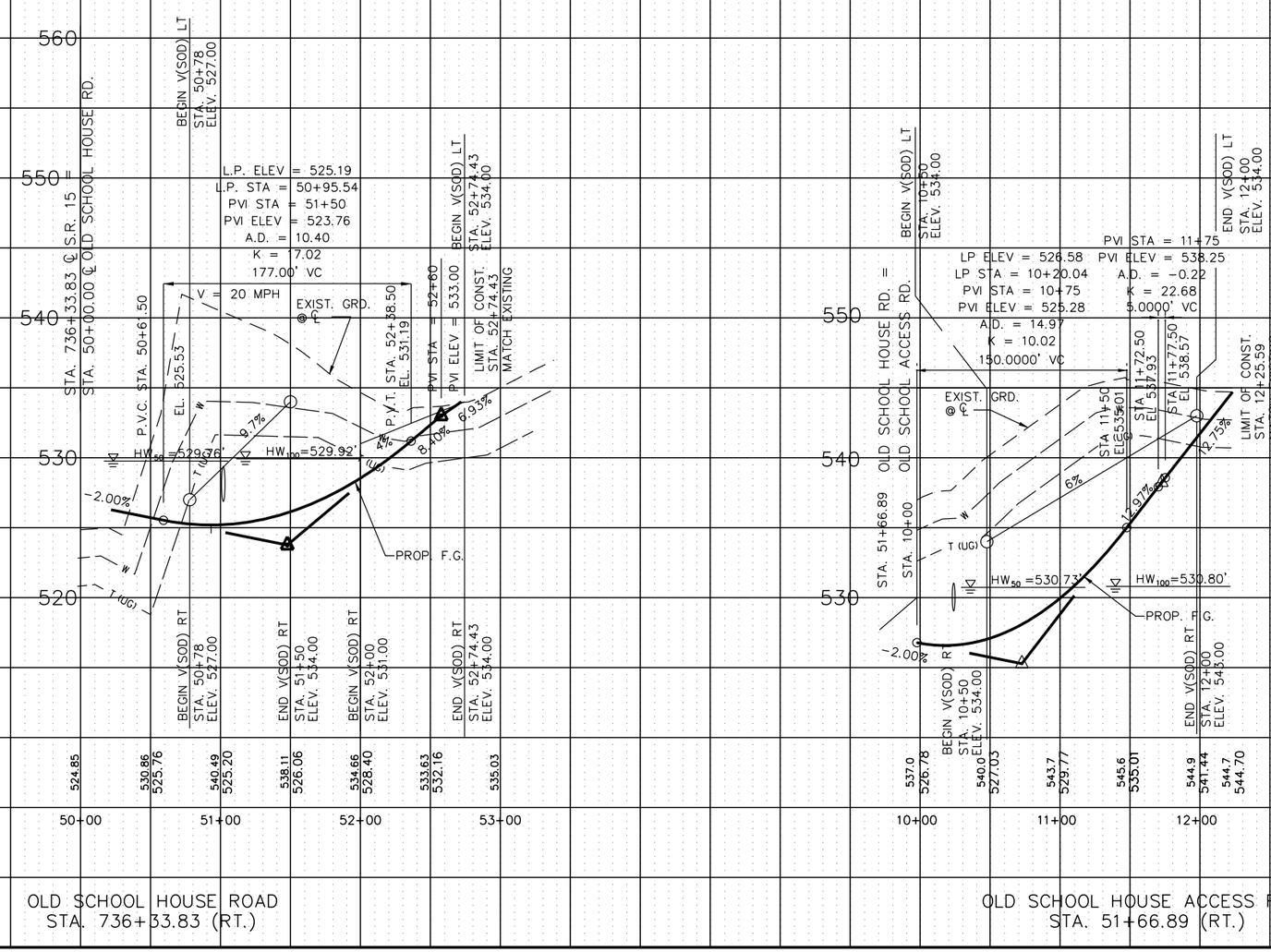
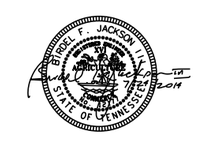
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	37
CONST	2014	36001-3290-14	





STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
OLD SCHOOL HOUSE ROAD
OLD SCHOOL ACCESS ROAD
SCALE: 1" = 50'H, 5'V

8/16/2014
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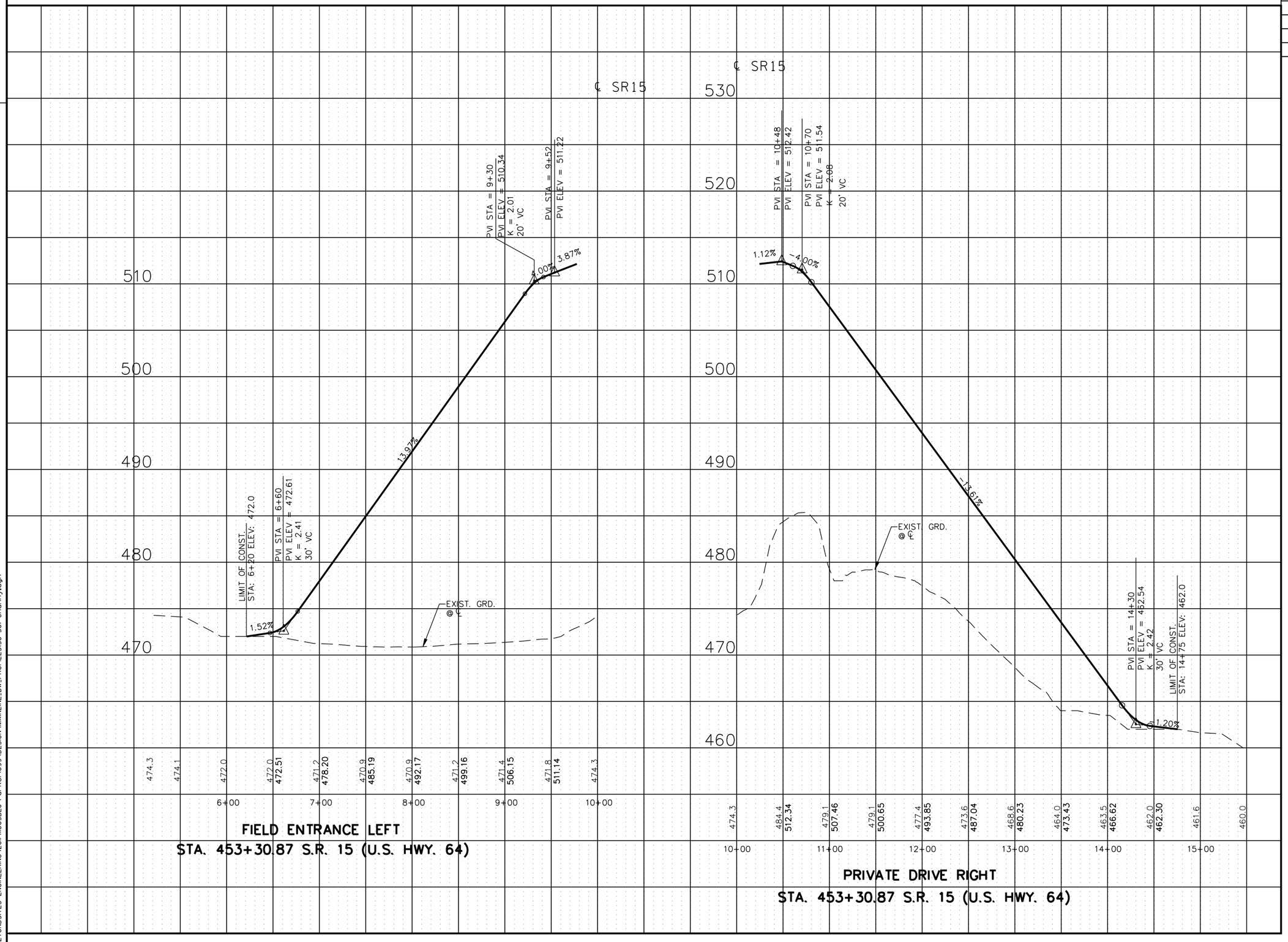
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	38
CONST	2014	36001-3290-14	



REV. 5-26-10

REVISED DRIVE TO FIELD ENTRANCE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

DRIVEWAY PROFILES

SCALE: 1" = 50'H, 5'V

8/16/2014
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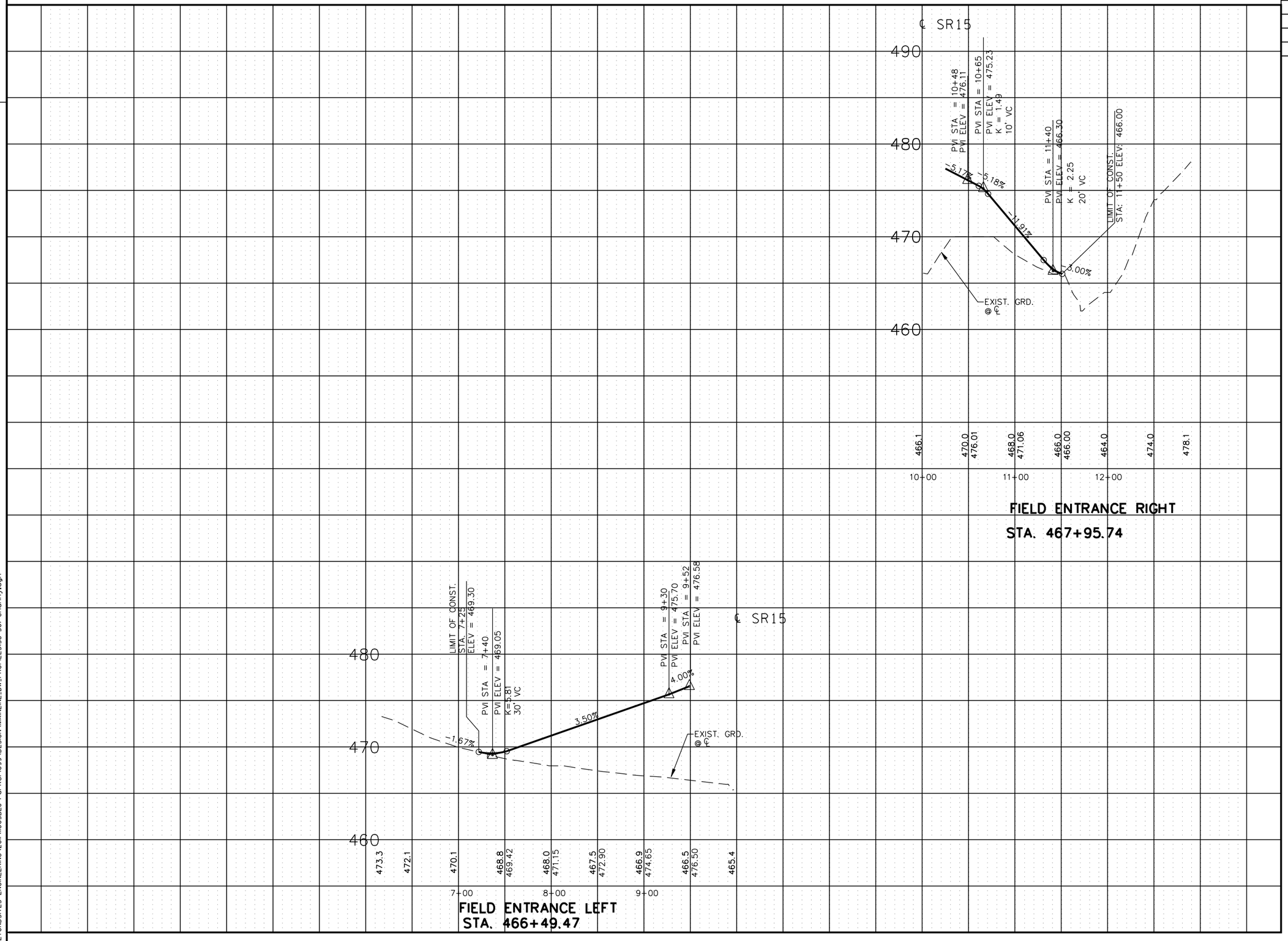
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	39
CONST	2014	36001-3290-14	



REV. 2-08-10

ADDED 2 FIELD ENT'S

REV. 5-26-10

DELETED DRIVE PROFILE STA 458+76.48

REV. 1-12-11

DELETED FIELD ENTRANCE 466+49.47,
ADDED FIELD ENTRANCE 467+95.74

REV. 4-22-11

REVISED FIELD ENTRANCE 466+49.47,
REVISED FIELD ENTRANCE 467+95.74

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

DRIVEWAY
PROFILES

SCALE: 1" = 50'H, 5'V

8/16/2014
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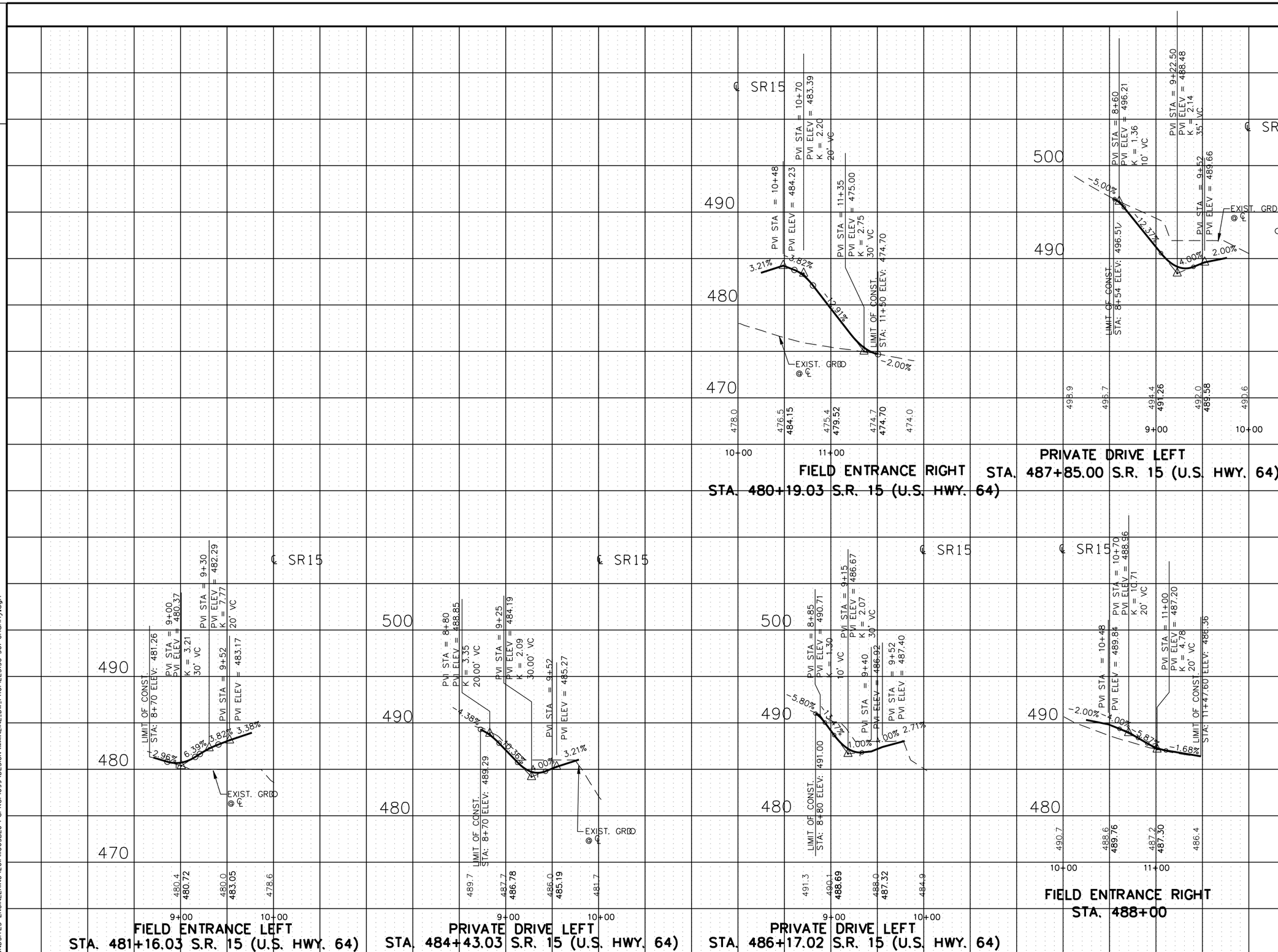
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	40
CONST	2014	36001-3290-14	



REV. 2-08-10

ADDED 1 FIELD ENT & 1 PRIVATE DR

REV. 5-26-10

DELETED DRIVE PROFILE STA 466+49.47

REV. 6-29-12

DELETED DRIVE (BUS. ENTRANCE) PROFILE STA 480+19 LT

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

DRIVEWAY PROFILES

SCALE: 1" = 50'H, 5'V

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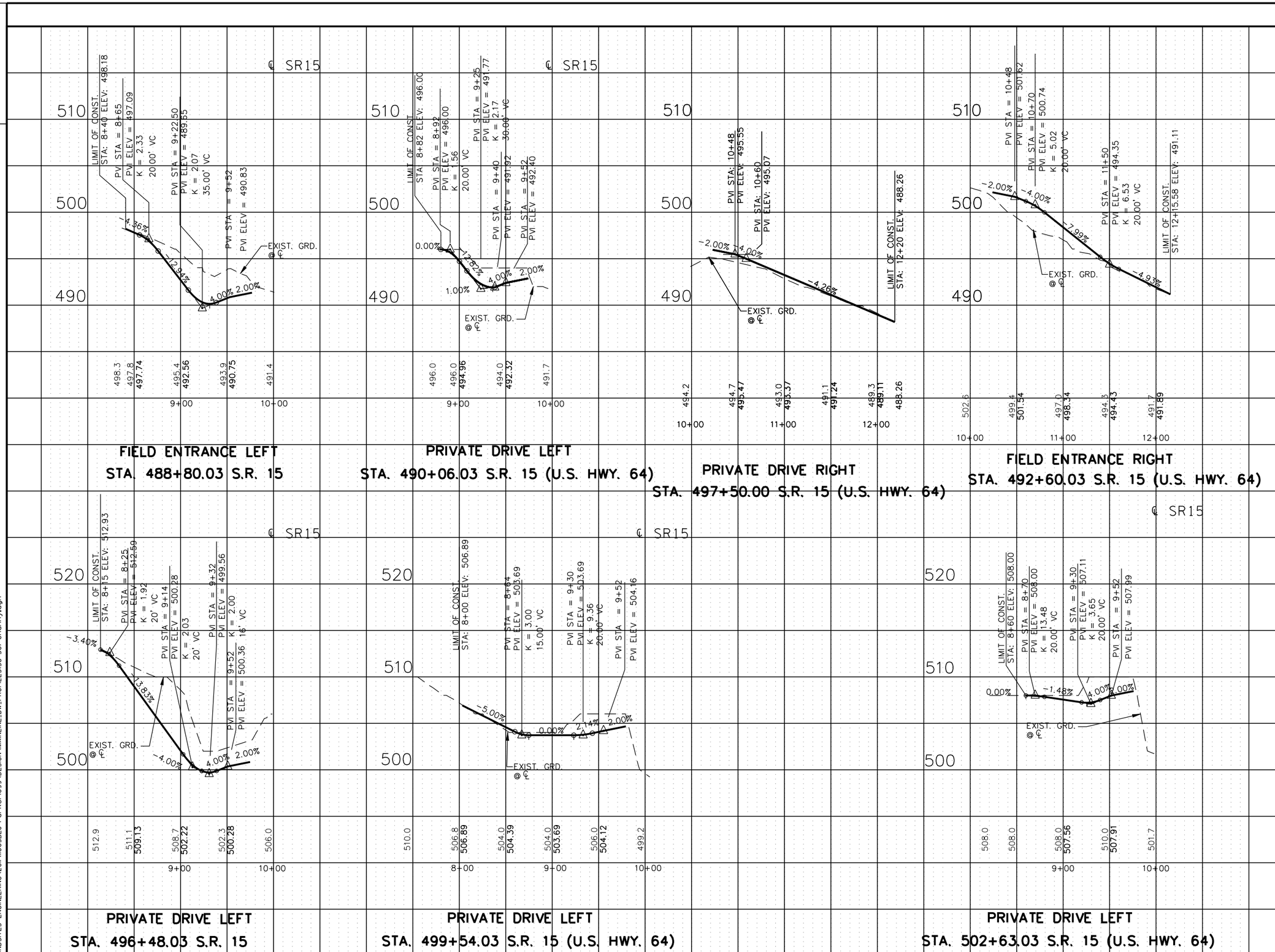
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	41
CONST	2014	36001-3290-14	



REV. 2-08-10
ADDED 1 PRIVATE DR

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

DRIVEWAY PROFILES

SCALE: 1" = 50'H, 5'V

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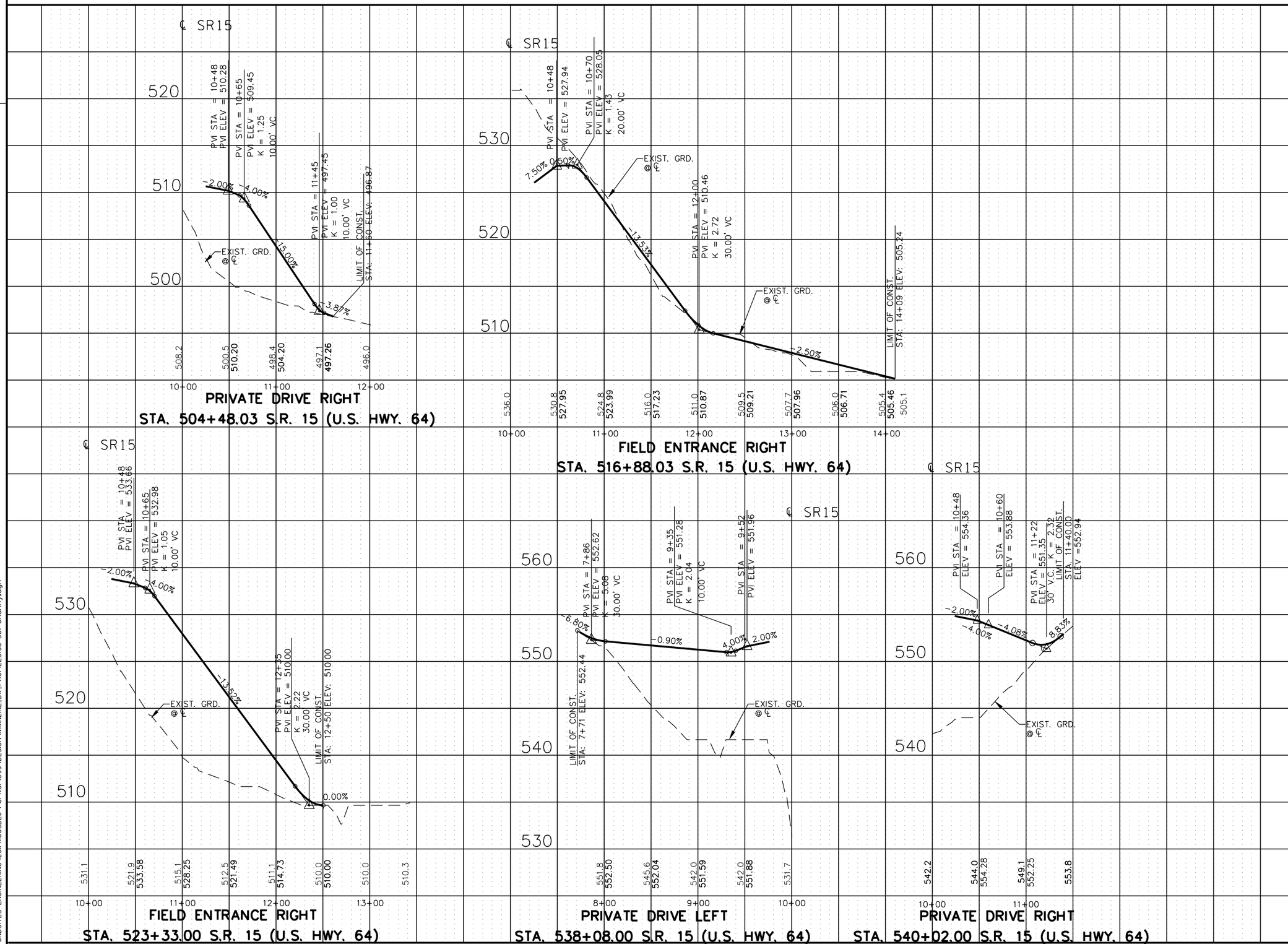
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	42
CONST	2014	36001-3290-14	



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

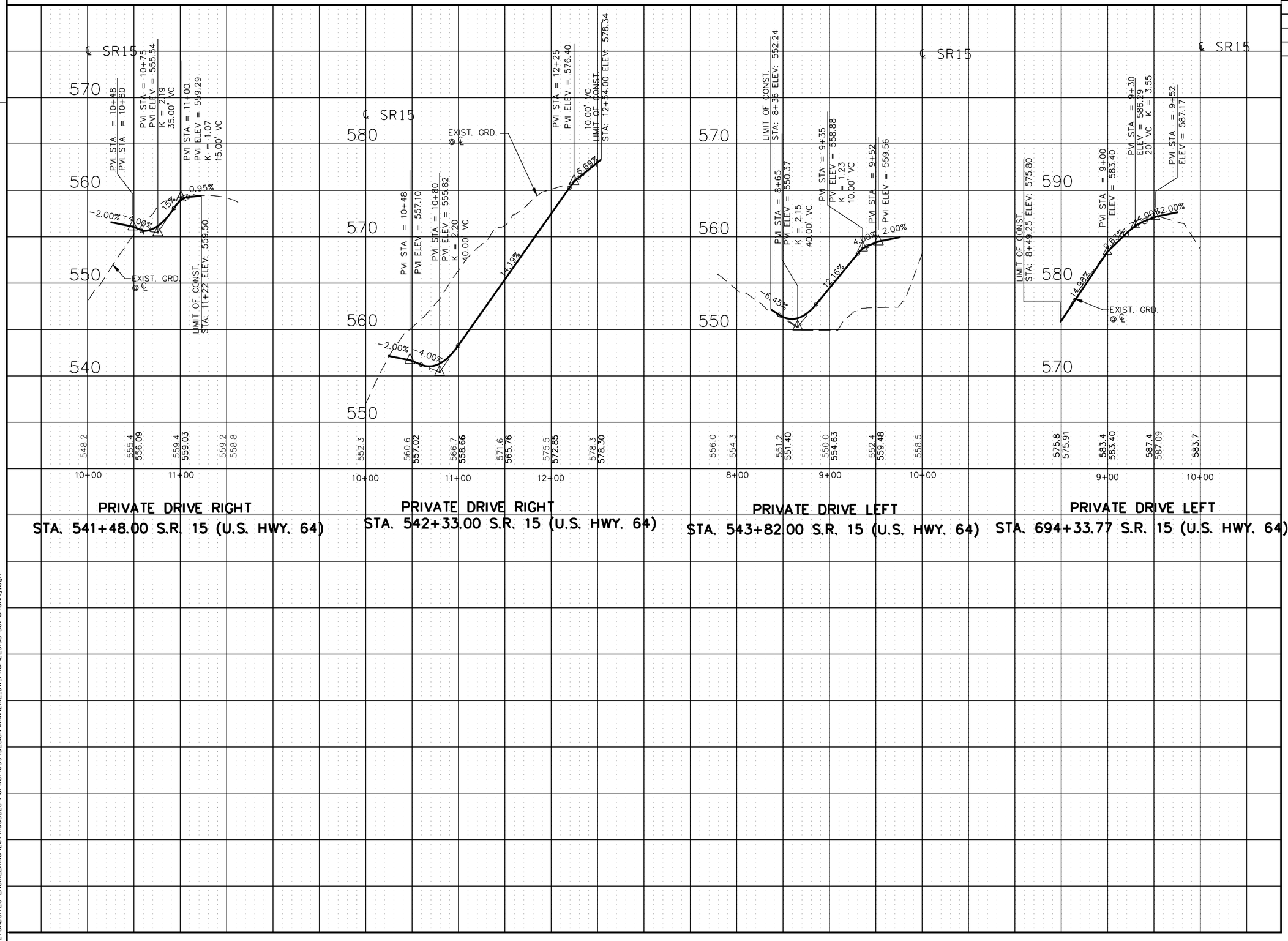
S.R. 15(U.S. HWY 64)

DRIVEWAY PROFILES

SCALE: 1" = 50'H, 5'V

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	43
CONST	2014	36001-3290-14	



REV. 2-08-10
REVISED 1 PRIVATE DR
ADDED 1 PRIVATE DR

REV. 5-01-10
REVISED DRIVE AT 542+14.00

REV. 5-18-12
REVISED DRIVE AT 542+33.00

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

DRIVEWAY PROFILES

SCALE: 1" = 50'H, 5'V

8/16/2014
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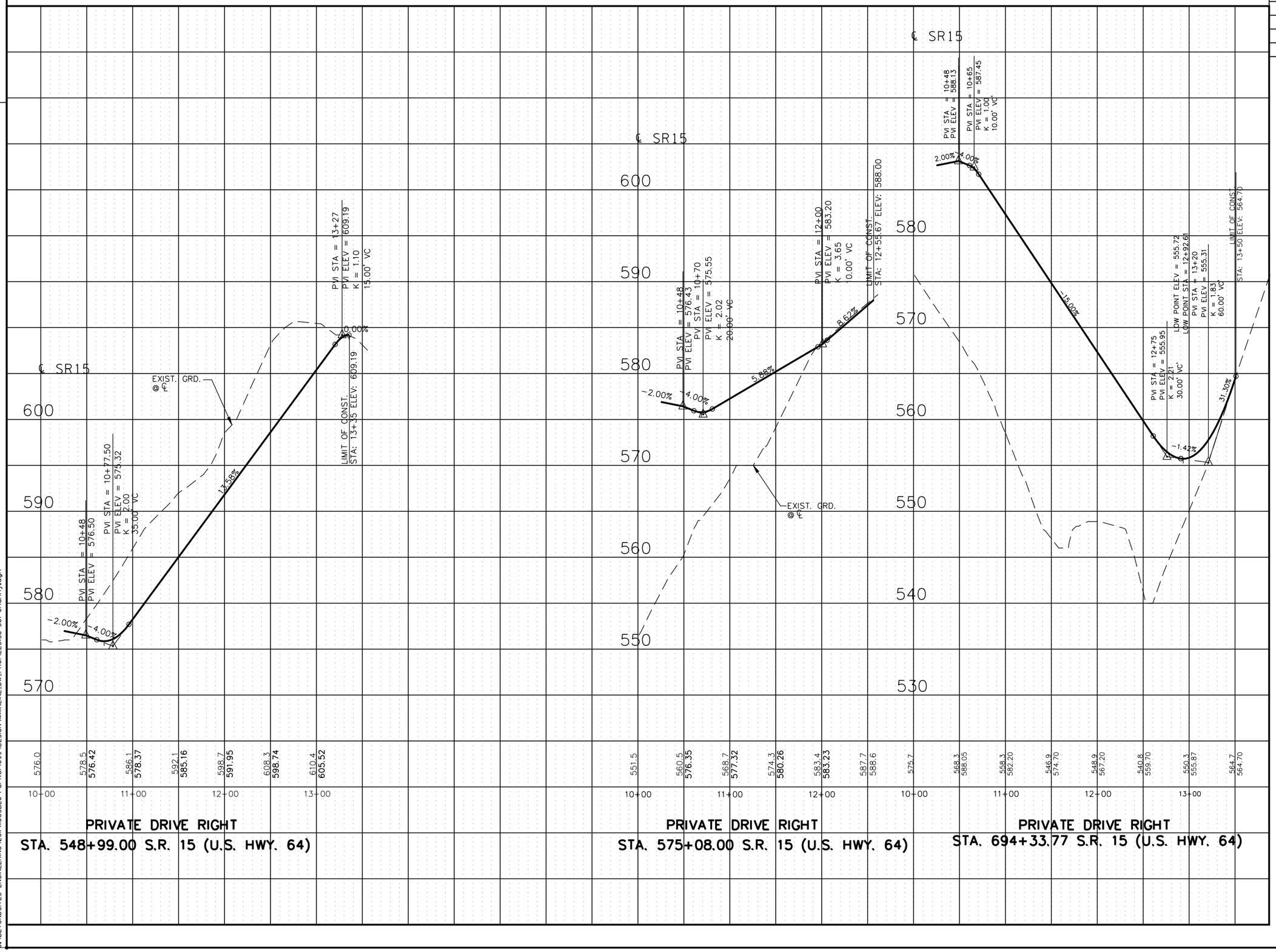
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	44
CONST	2014	36001-3290-14	



REV. 2-08-10

ADDED 2 PRIVATE DRIVES

REV. 5-26-10

DELETED DRIVE PROFILE STA 548+99.03

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

DRIVEWAY PROFILES

SCALE: 1" = 50'H, 5'V

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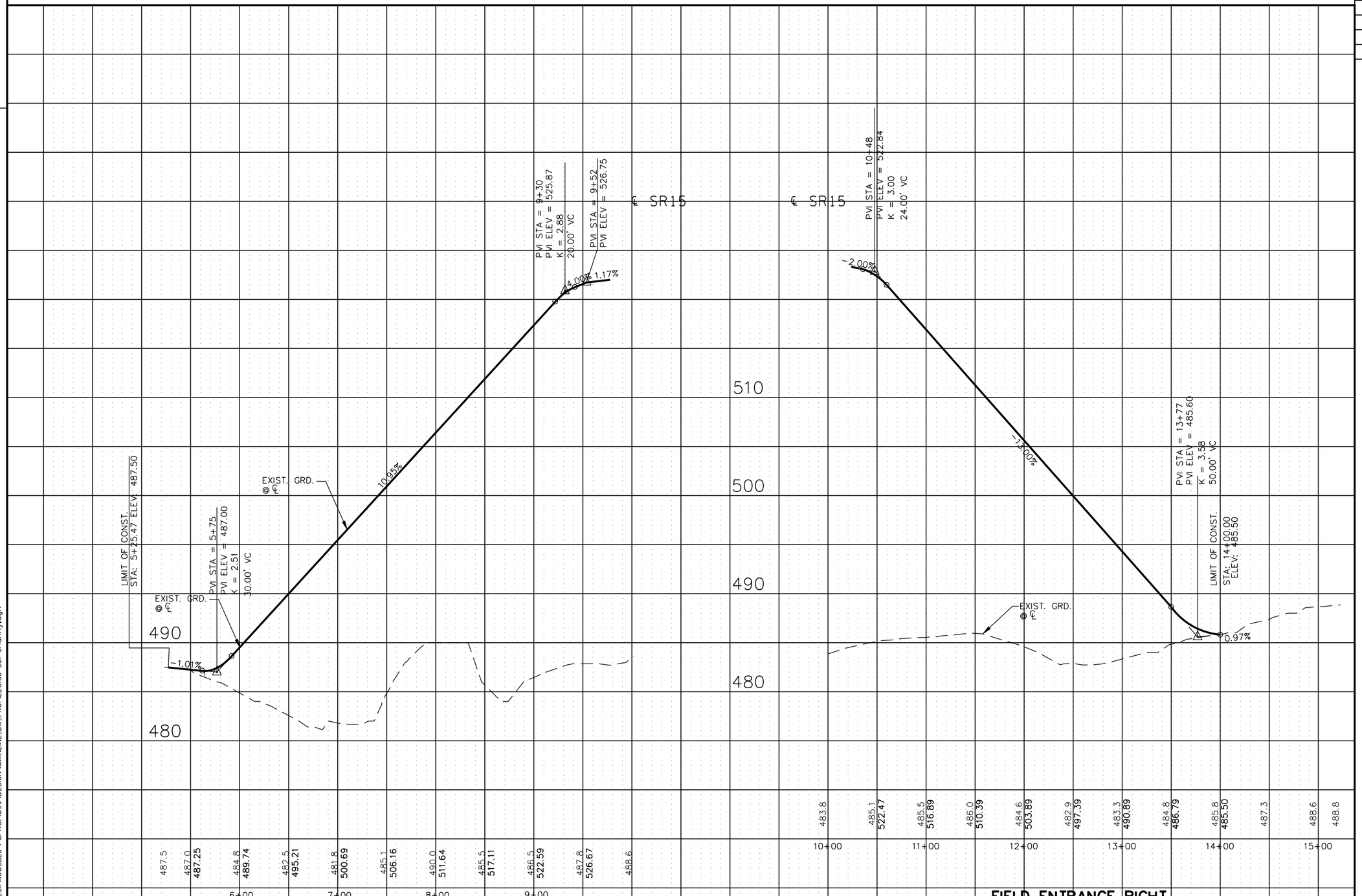
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	45
CONST	2014	36001-3290-14	



FIELD ENTRANCE LEFT
STA. 587+74.00 S.R. 15 (U.S. HWY. 64)

FIELD ENTRANCE RIGHT
STA. 589+15.00 S.R. 15 (U.S. HWY. 64)

REV. 2-08-10

REVISED 1 PRIVATE DR

REV. 5-26-10

REVISED DRIVE TO FIELD ENTRANCE
STA 587+74.00

REV. 11-12-12

REVISED DRIVE AT STA 589+15.00

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

DRIVEWAY
PROFILES

SCALE: 1" = 50'H, 5'V

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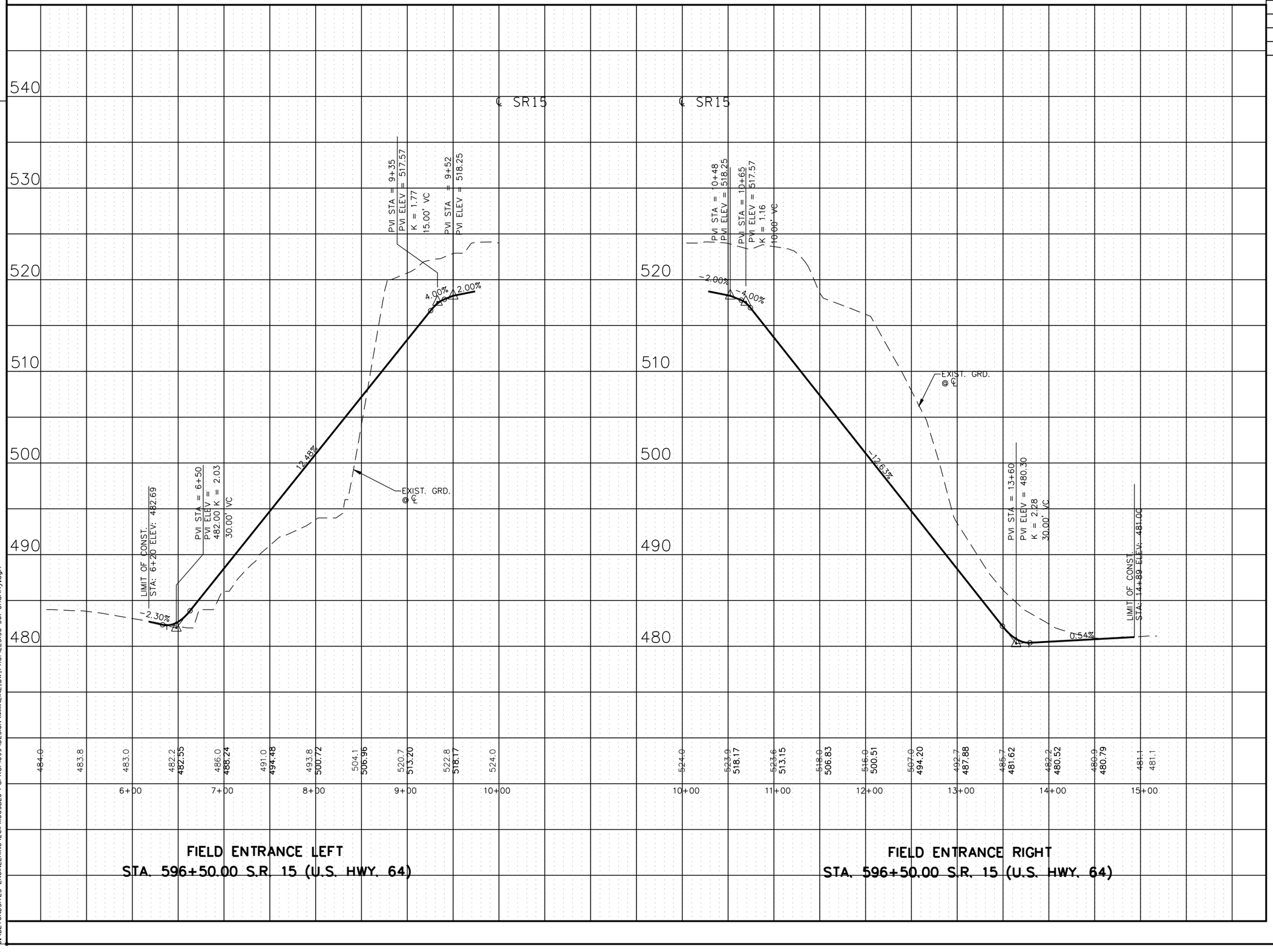
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	46
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

DRIVEWAY PROFILES

SCALE: 1" = 50'H, 5'V

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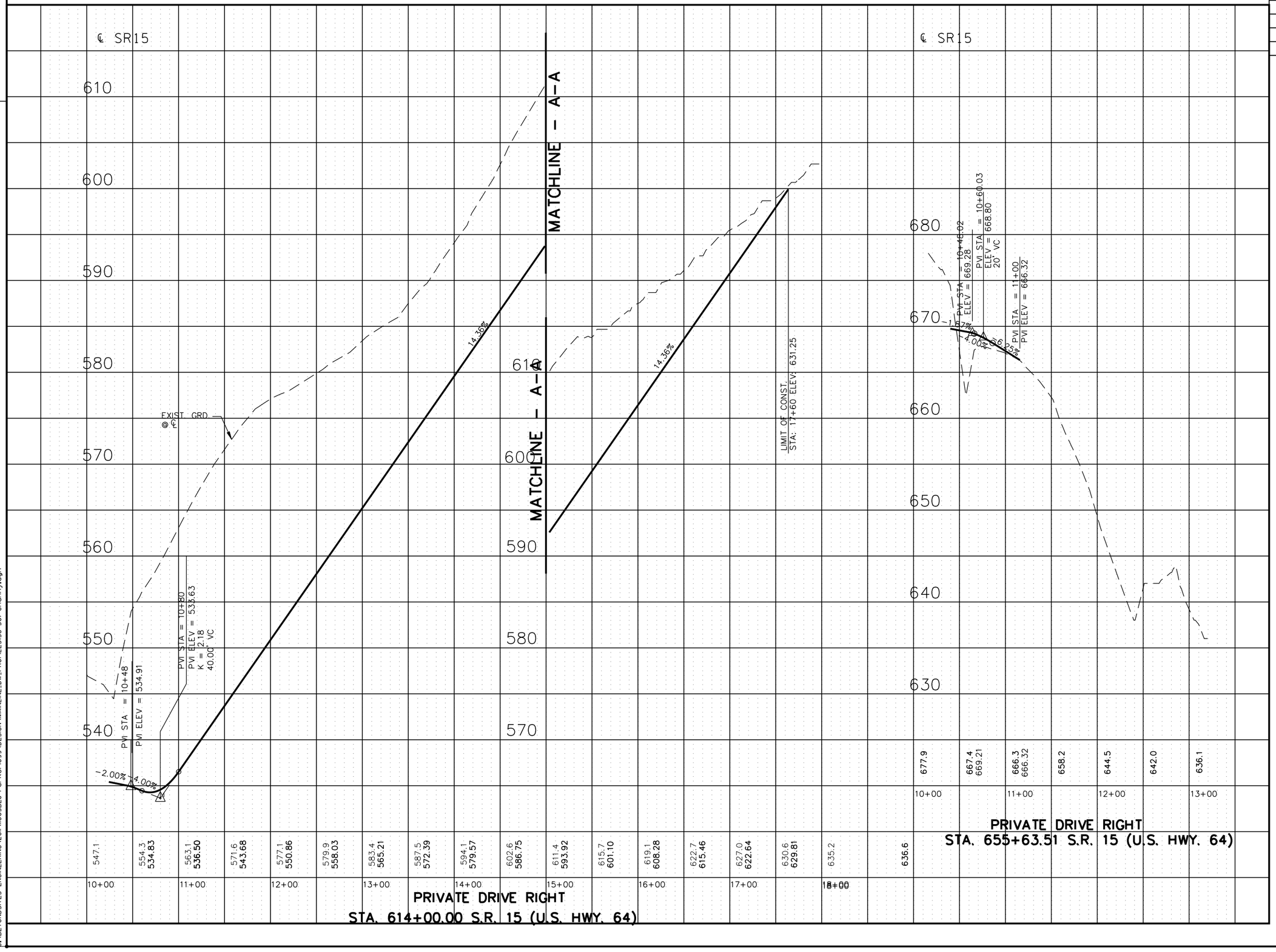
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	47
CONST	2014	36001-3290-14	

REV. 2-08-10
ADDED 1 PRIVATE DR

REV. 2-24-12
REVISED DW AT STA. 655+63.51 RT.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

DRIVEWAY PROFILES

SCALE: 1" = 50'H, 5'V

8/16/2014
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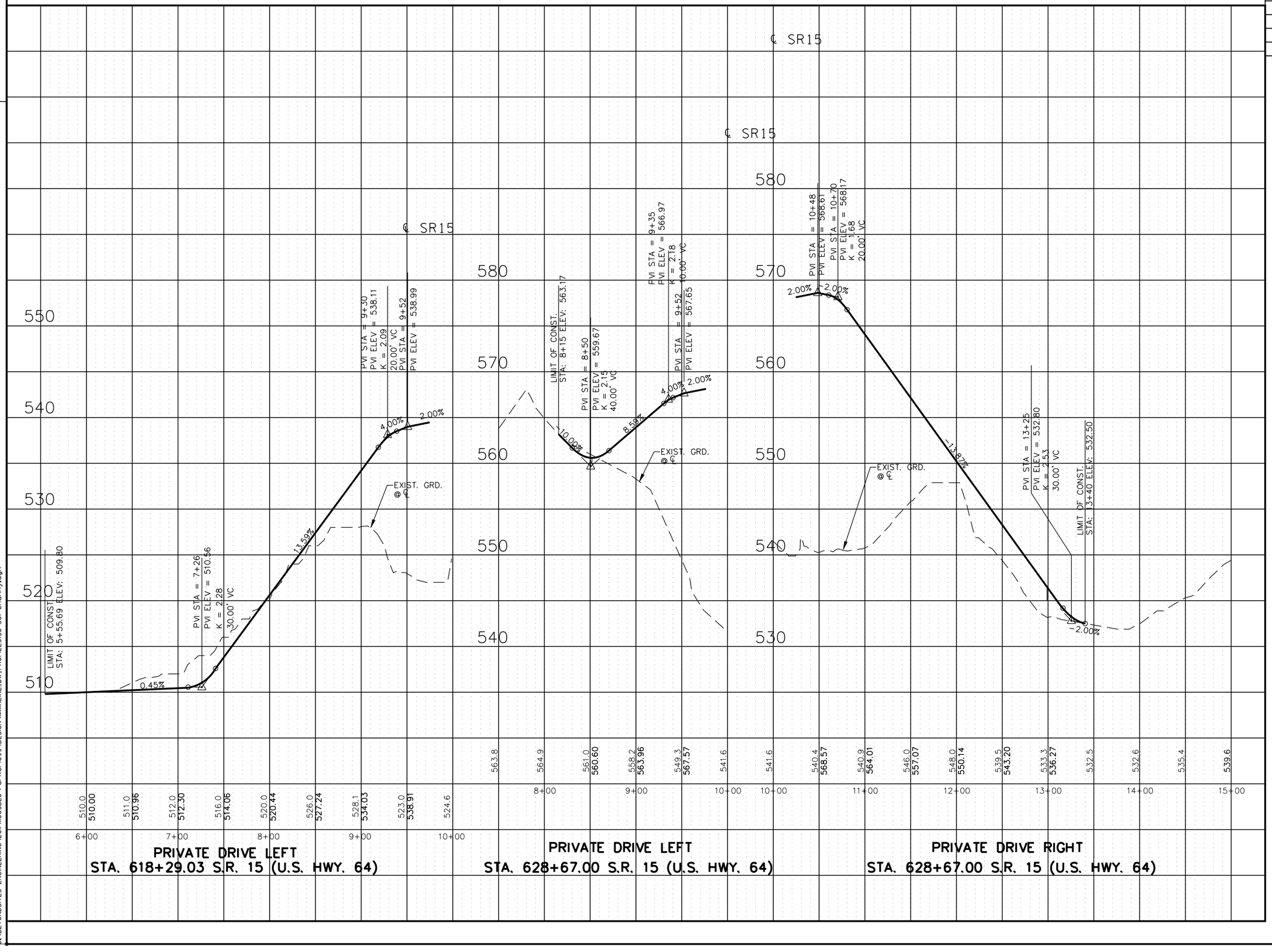
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	48
CONST	2014	36001-3290-14	



REV. 2-08-10
REVISED 1 PRIVATE DR

REV. 5-26-10
REVISED PROFILE STA. 618+29.03

REV. 10-26-12
REVISED PROFILE STA. 618+29.03

REV. 11-12-12
REVISED DRIVE AT STA. 628+67.00

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

DRIVEWAY PROFILES

SCALE: 1" = 50'H, 5'V

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

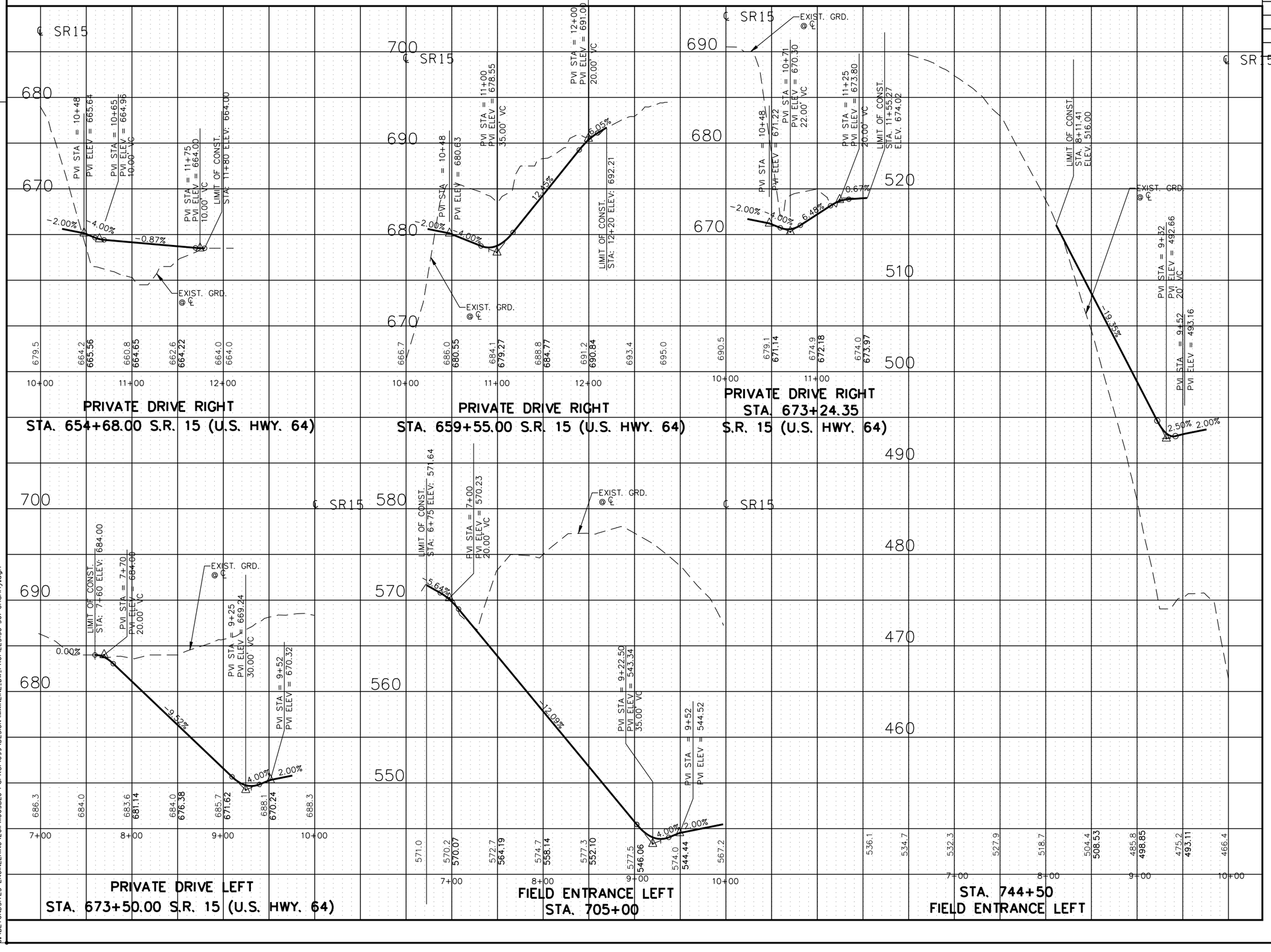
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	49
CONST	2014	36001-3290-14	

REV. 2-08-10

ADDED 1 PRIVATE DR & 2 FIELD ENT'S

REV. 5-18-12

REVISED FIELD ENTRANCE AT STA. 705+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

DRIVEWAY PROFILES

SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	50
CONST	2014	36001-3290-14	

REV. 2-08-10

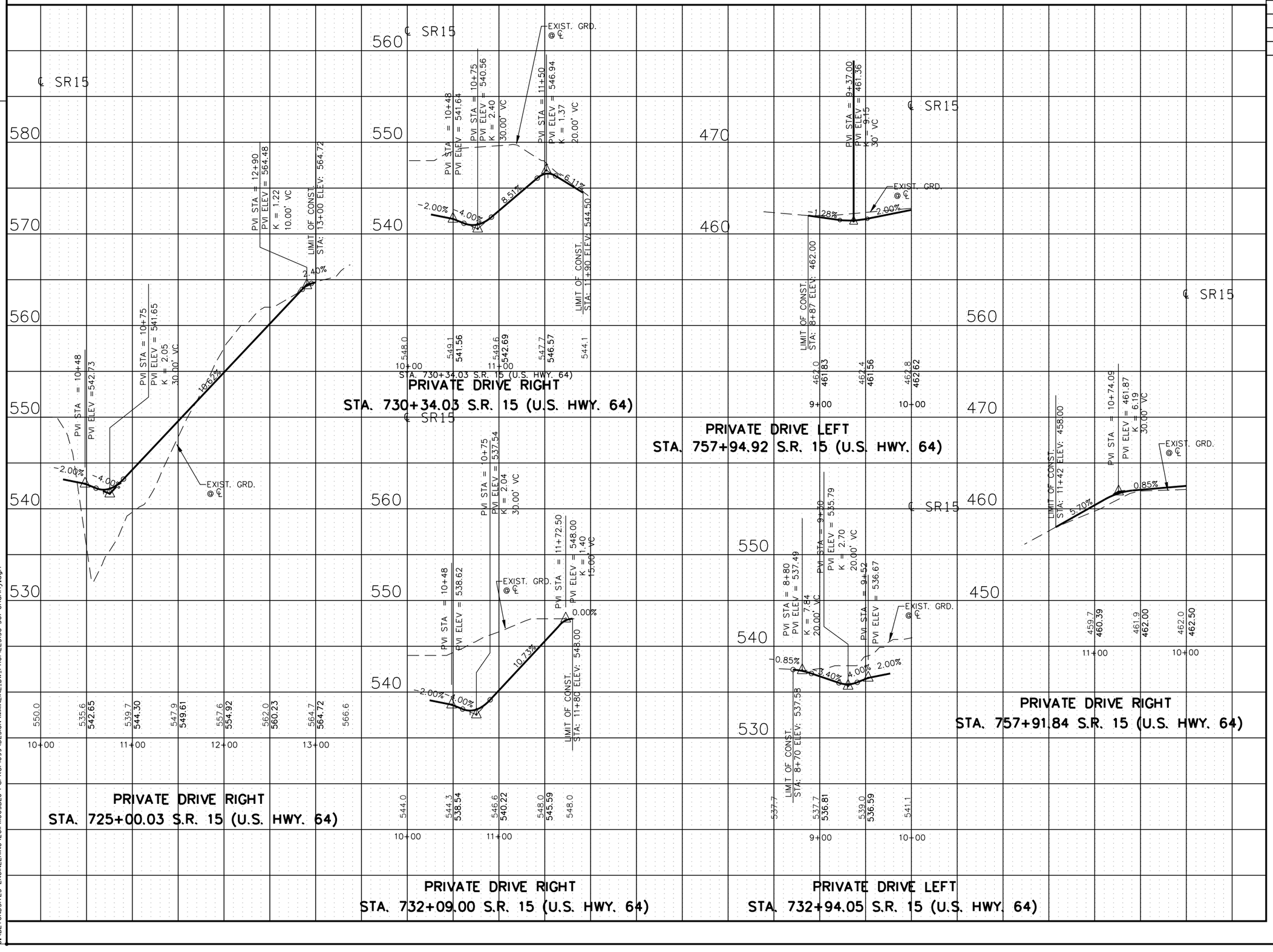
DELETED 1 PRIVATE DRIVE

REV. 11-12-12

REVISED DRIVE AT 732+09

REV. 12-5-13

ADDED DRIVES AT 757+94.92 AND 757+91.84



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

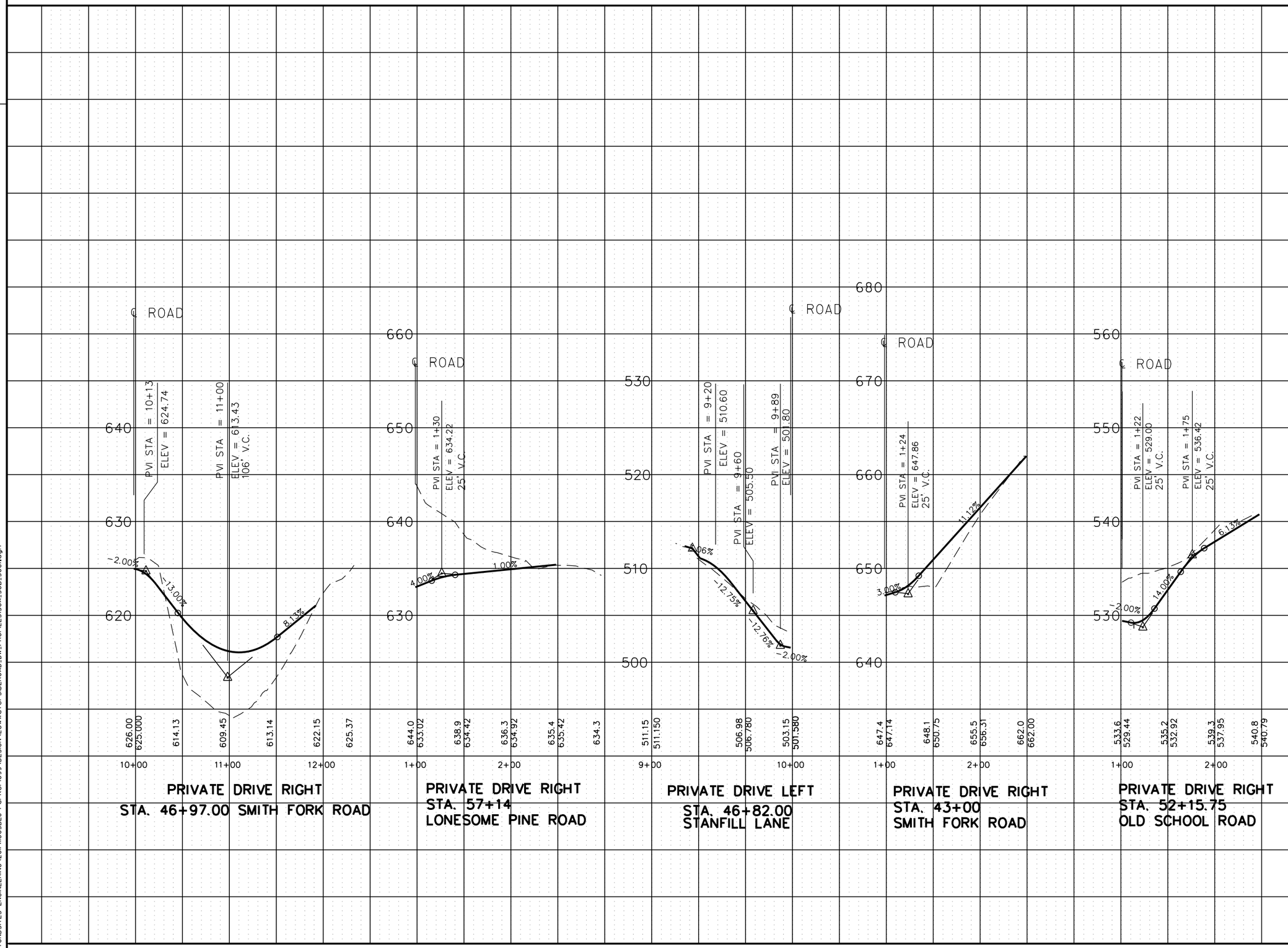
DRIVEWAY PROFILES

SCALE: 1" = 50'H, 5'V

8/16/2014
C:\BEYONDSITES ENGINEERING\2011\10058EJ-Parker1099\DESIGN\MAINLINE_DW_PROFILES(38-50)-Channy.dgn

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	50A
CONST	2014	36001-3290-14	



REV. 5-01-10

REVISED DRIVE 56+32.83

REV. 1-12-11

DELETED DRIVE 56+32.83, ADDED DRIVE 57+20.00

REV. 3-18-11

REVISED DRIVE 57+14

ADDED DRIVES 43+00 & 52+15.75

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

DRIVEWAY PROFILES

SCALE: 1" = 50'H, 5'V

8/16/2014
C:\BEYONDSITES ENGINEERING\2011\10058EJ-Parker1099\DESIGN\LowWaterSIDEROAD_DW_PROFILES(50A-50B,50C).dgn

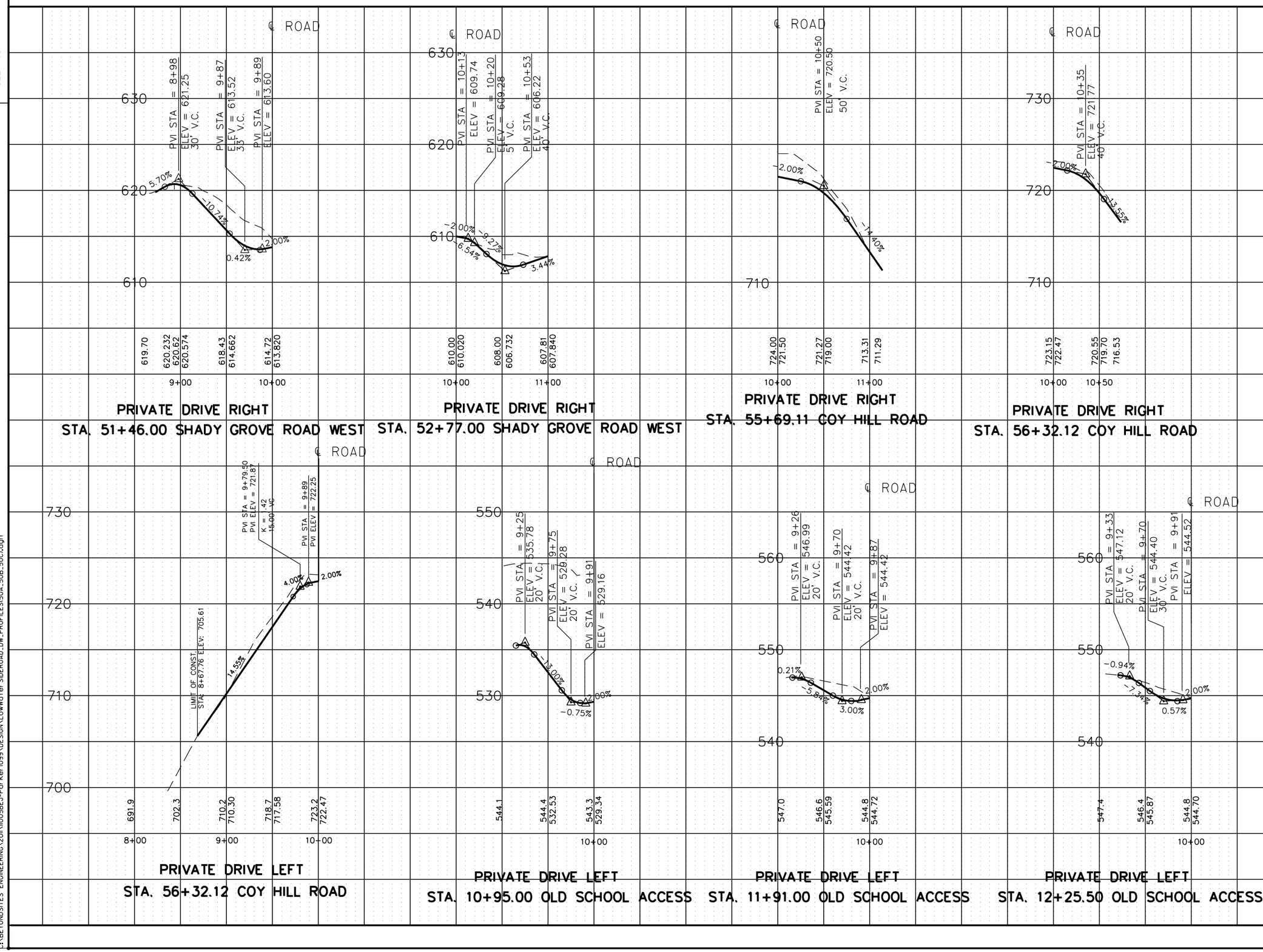
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	50B
CONST	2014	36001-3290-14	

REV. 11-29-10
REVISED DRIVEWAYS COY HILL RD

REV. 3-18-11
REVISED DRIVE 55+69.11

REV. 5-31-11
ADDED DRIVEWAY COY HILL ROAD



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

DRIVEWAY PROFILES

SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	50C
CONST	2014	36001-3290-14	

REV. 11-29-10

REVISED DRIVEWAY PROFILE CERRO GORDO RD

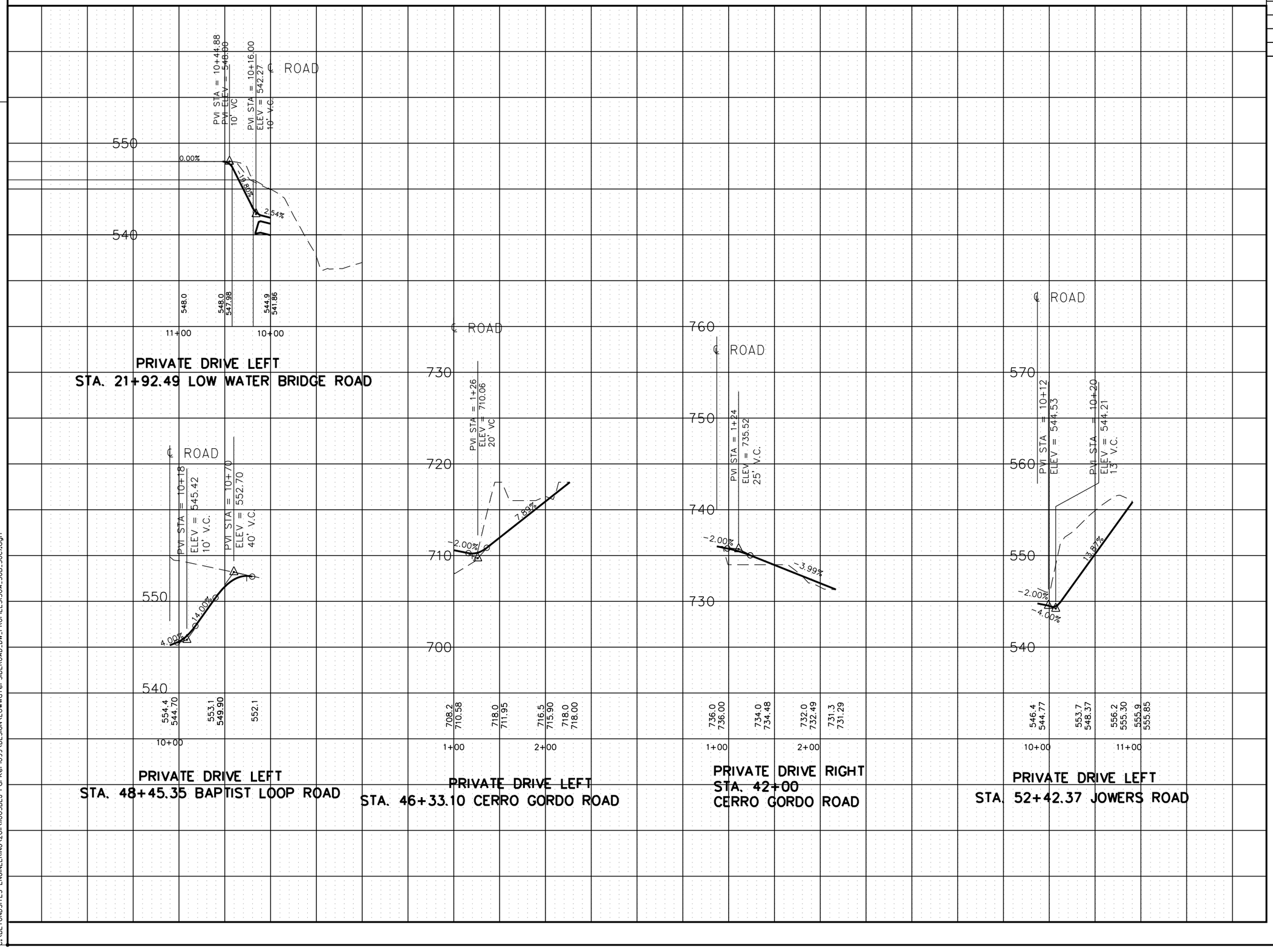
REV. 3-18-11

REVISED DRIVE 46+33.10

ADDED DRIVE 48+45.35

REV. 8-12-11

ADDED DRIVE 20+53.92



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

DRIVEWAY PROFILES

SCALE: 1" = 50'H, 5'V

3/16/2014
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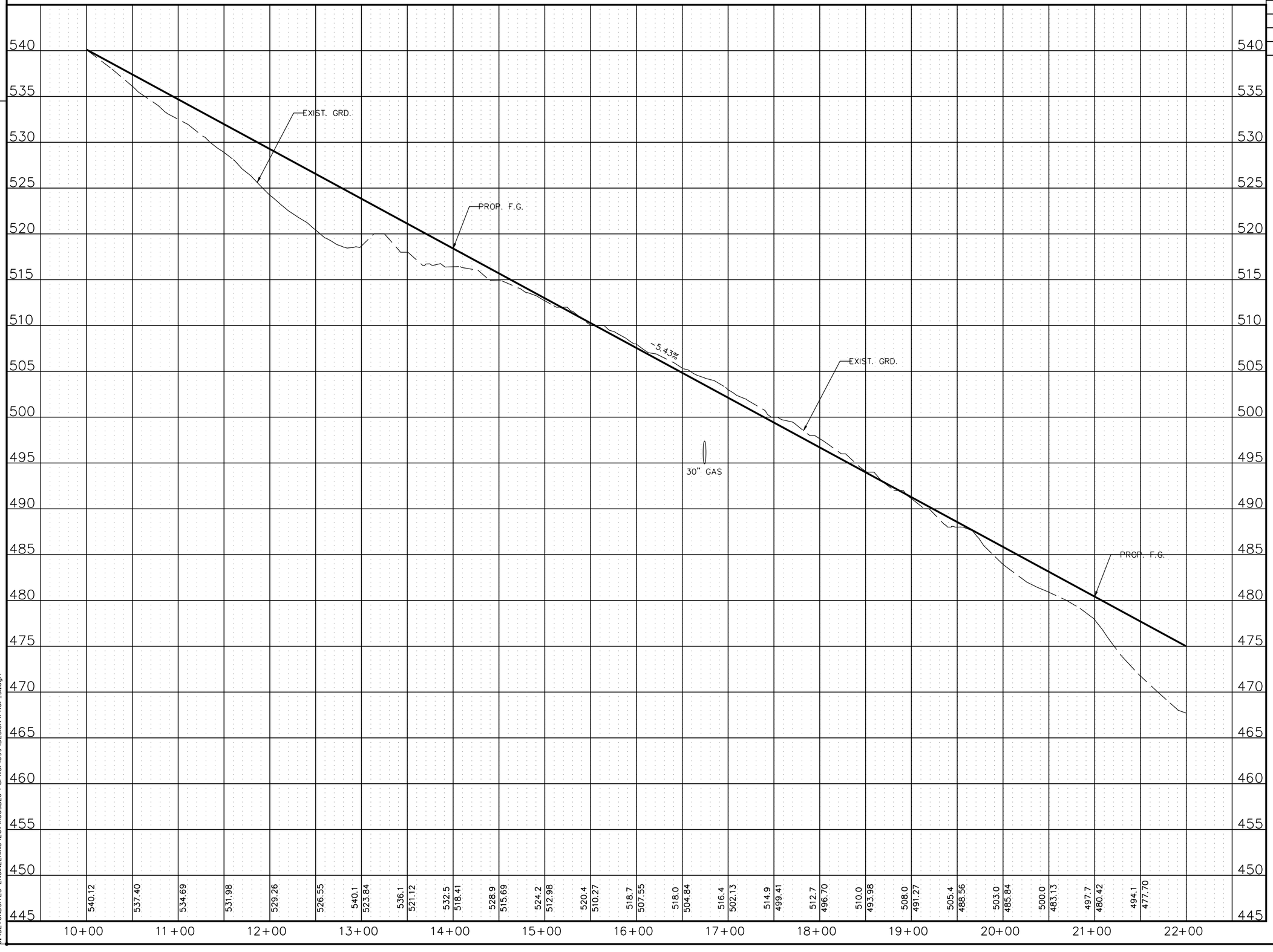
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	51
CONST	2014	36001-3290-14	



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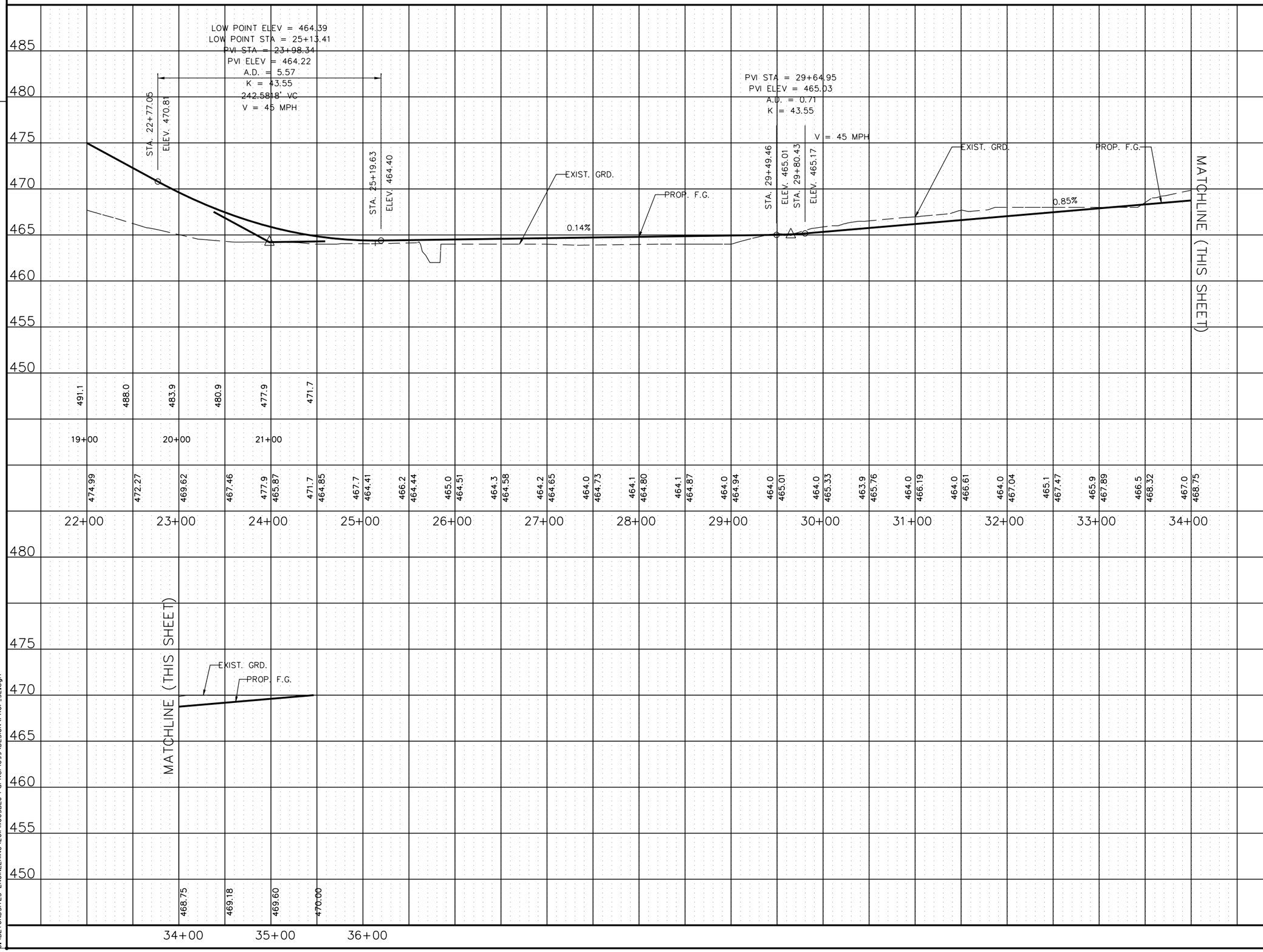
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
DETOUR ROAD
STA. 10+00 TO
STA. 22+00
SCALE: 1" = 50'H, 5'V

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	52
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
DETOUR ROAD
STA. 455+00 TO
STA. 470+53.74
SCALE: 1" = 50'H, 5'V

8/16/2014
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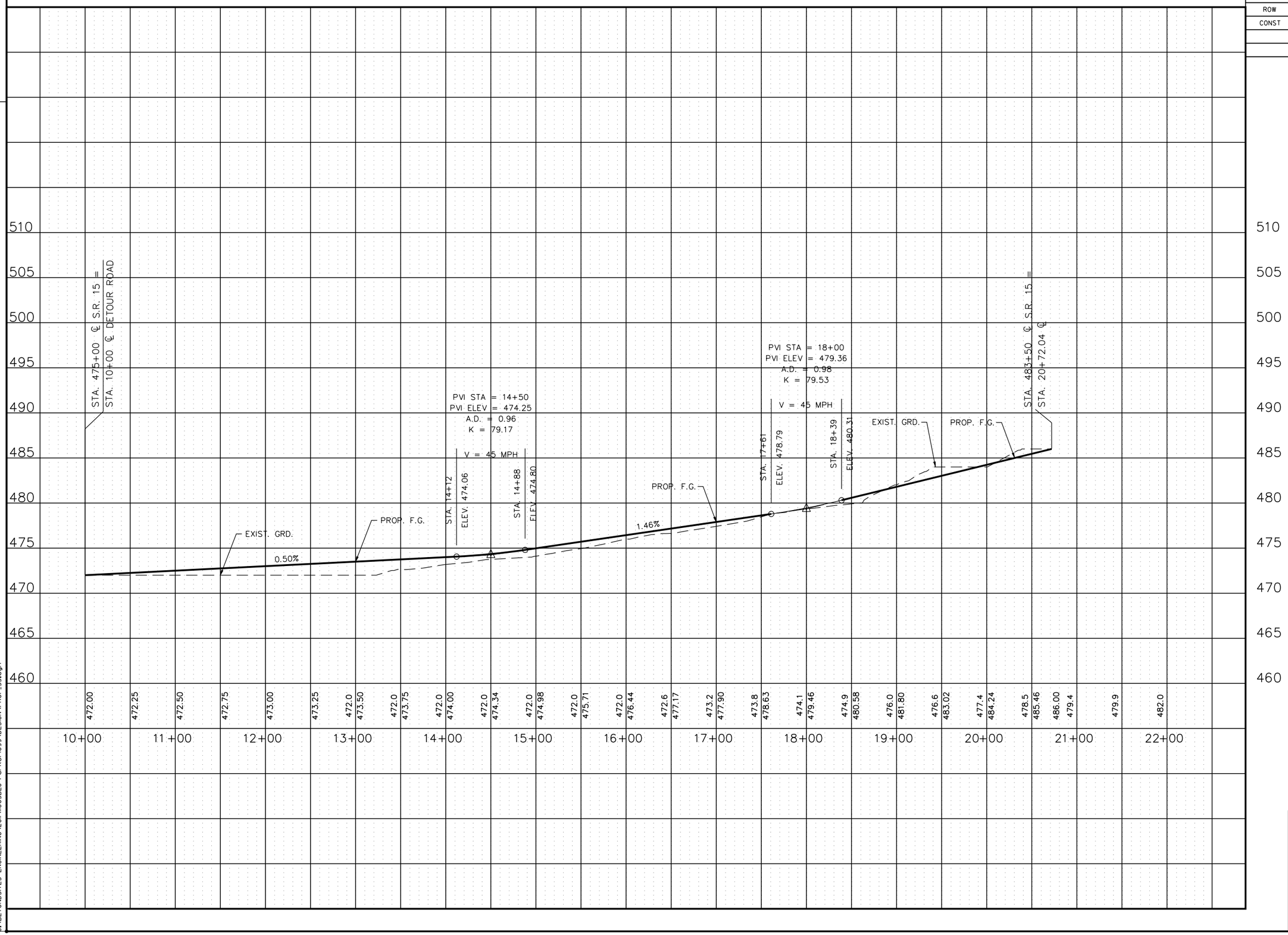
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	53
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROFILE
DETOUR ROAD
STA. 475+00 TO
STA. 483+50
SCALE: 1" = 50'H, 5'V

8/16/2014
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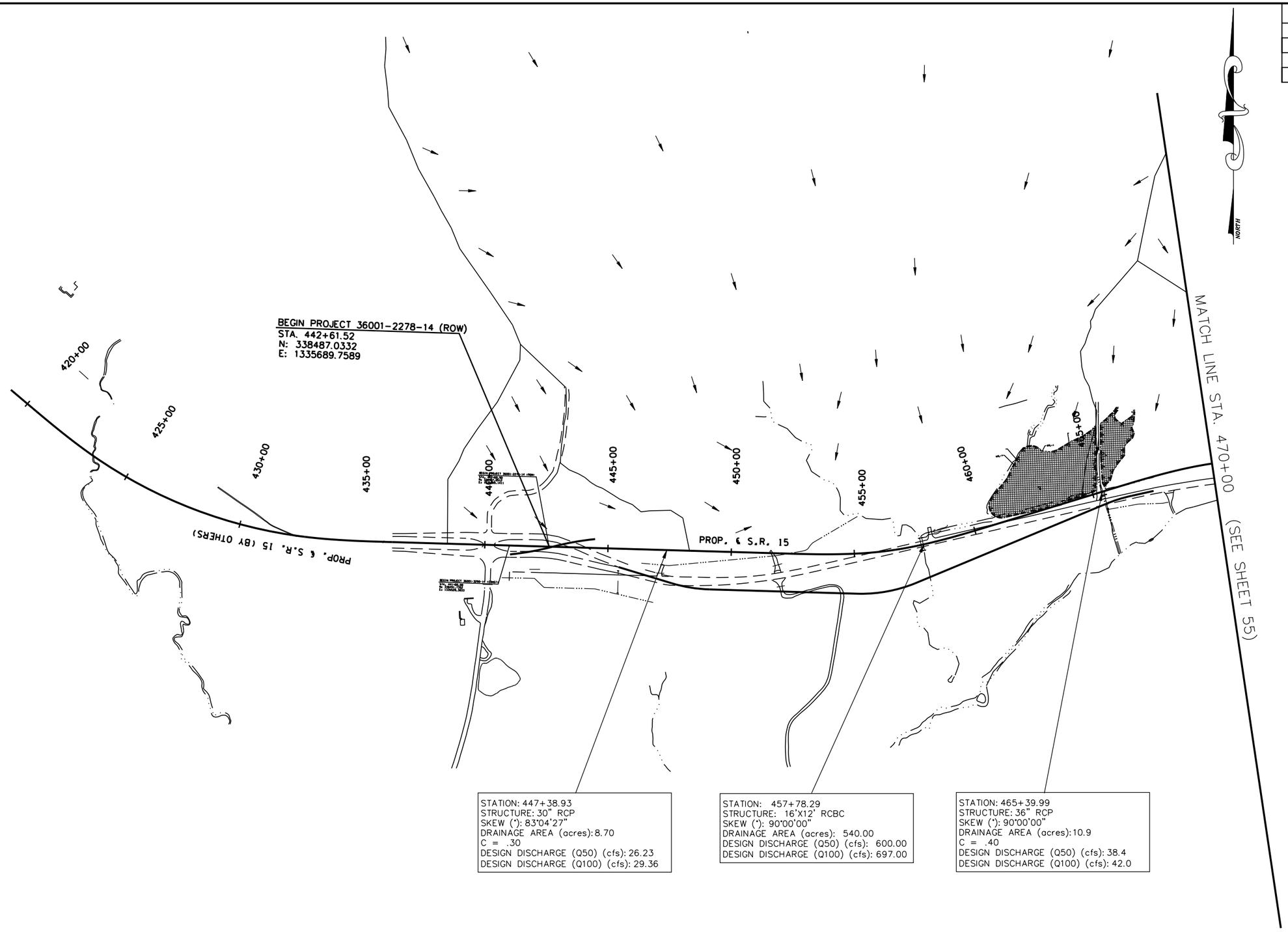
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	54
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

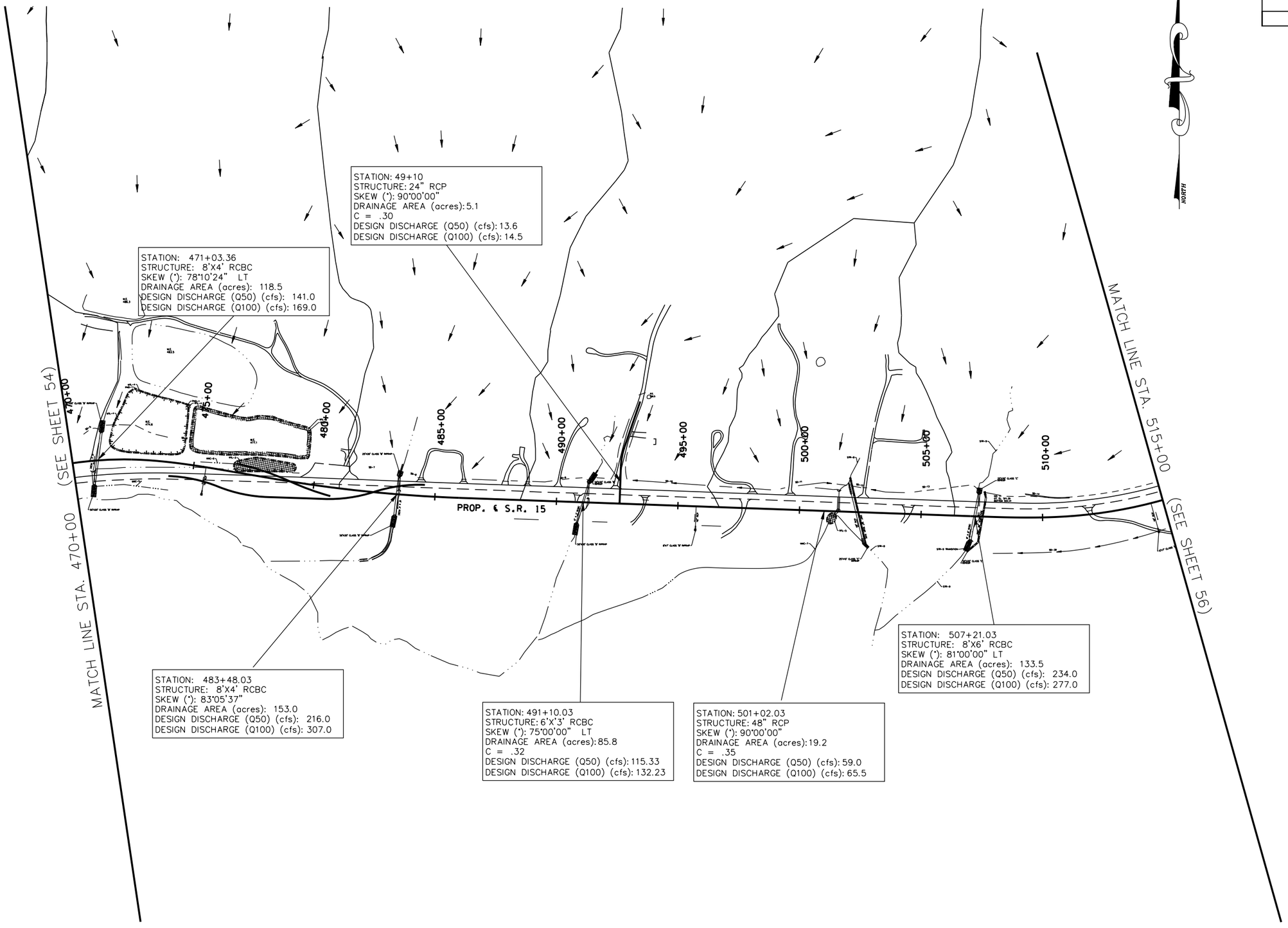
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
DRAINAGE MAPS
B. O. P.
TO
STA. 470+00
SCALE: 1" = 200'

8/16/2014
C:\BEYONDSITES ENGINEERING\2011\11005BEJ-Parker1099\DESIGN\drn_map_54.dgn

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	55
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

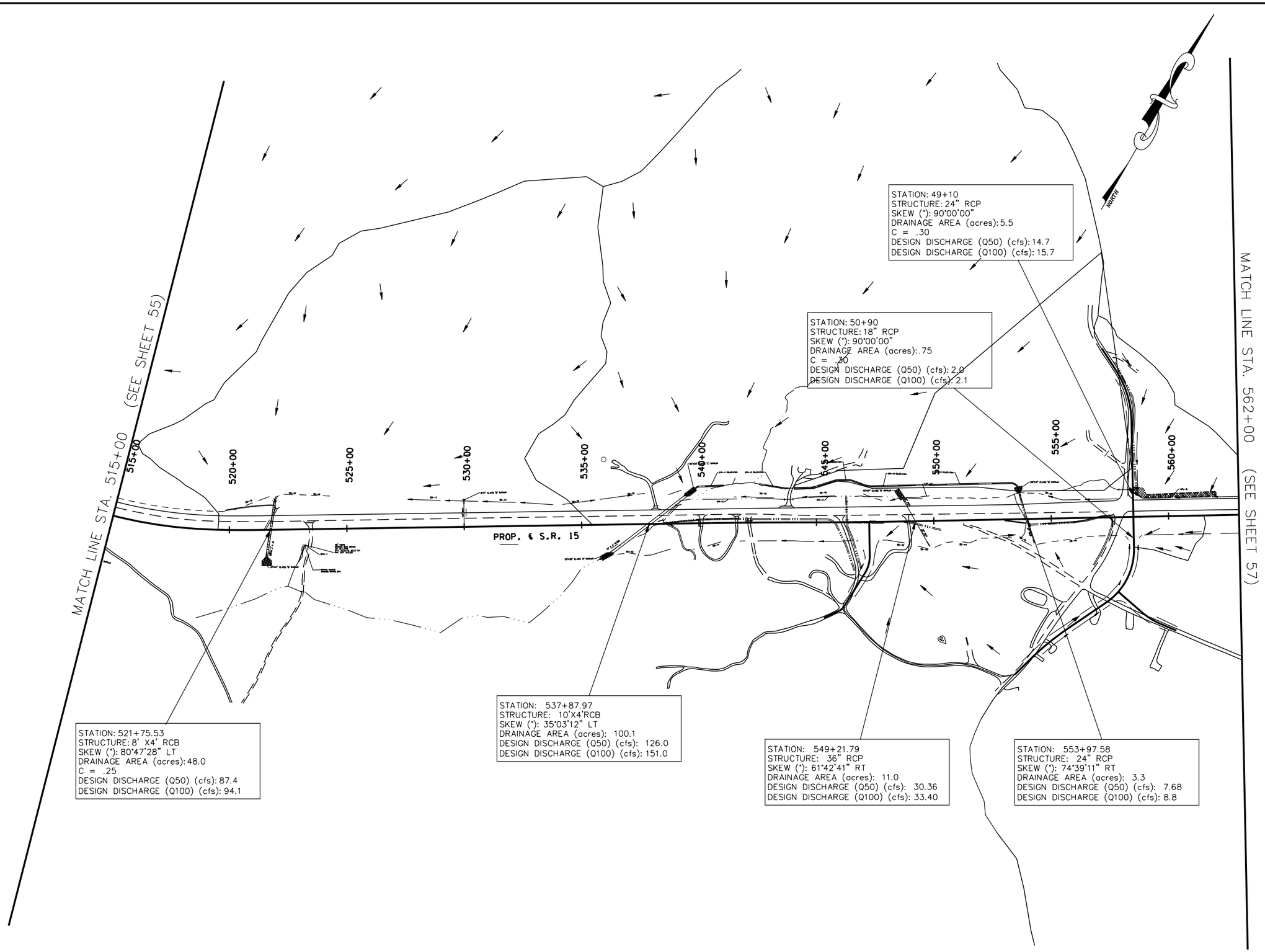
S.R. 15(U.S. HWY 64)
DRAINAGE MAPS
STA. 470+00
TO
STA. 515+00

SCALE: 1" = 200'

8/16/2014
C:\BEYONDSITES ENGINEERING\2011\1005BEJ-Parker1099\DESIGN\drn_map_55.dgn

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	56
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

STA. 515+00
TO
STA. 562+00

SCALE: 1" = 200'

8/16/2014
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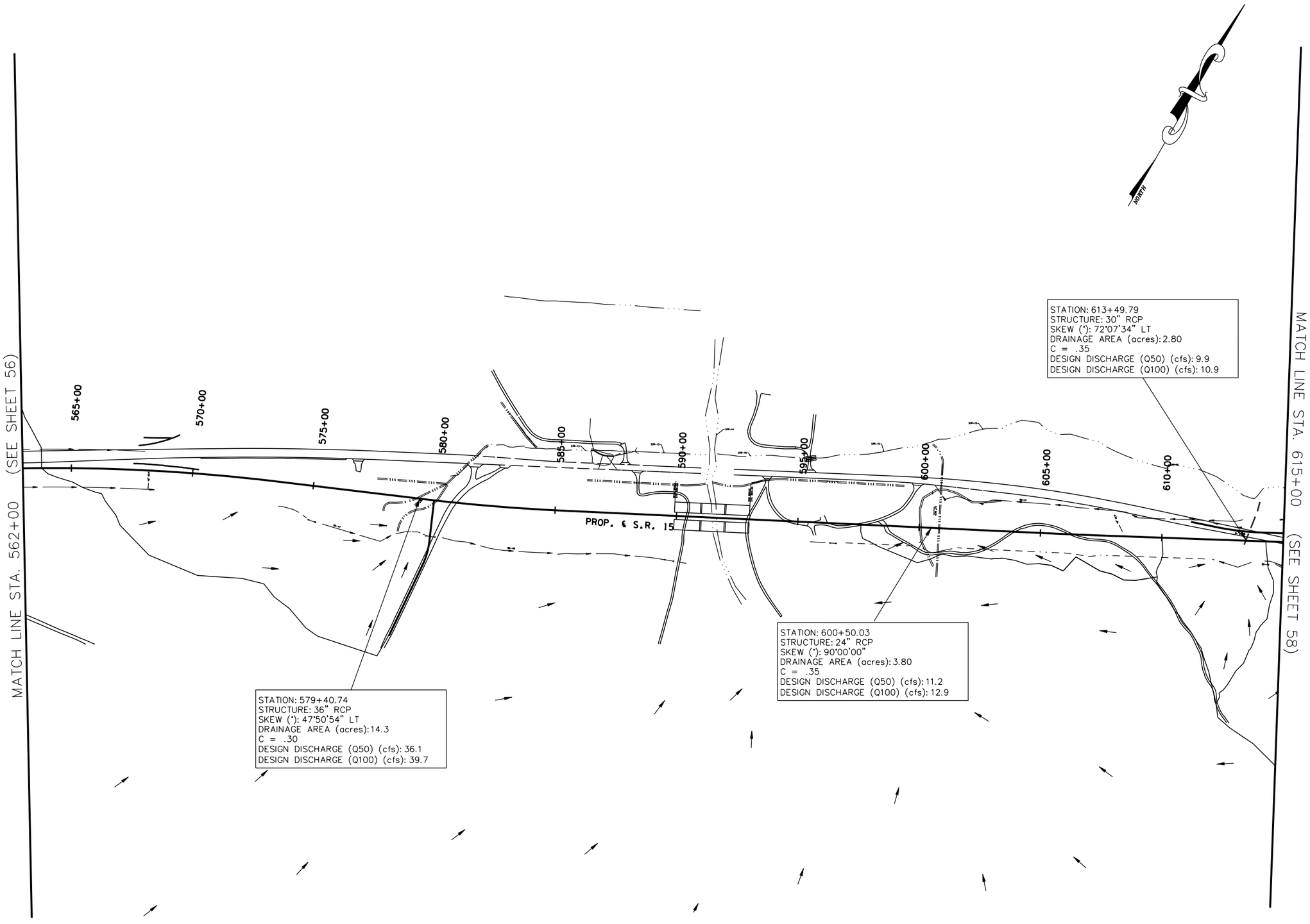
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	57
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
DRAINAGE MAPS
STA. 562+00
TO
STA. 615+00

SCALE: 1" = 200'

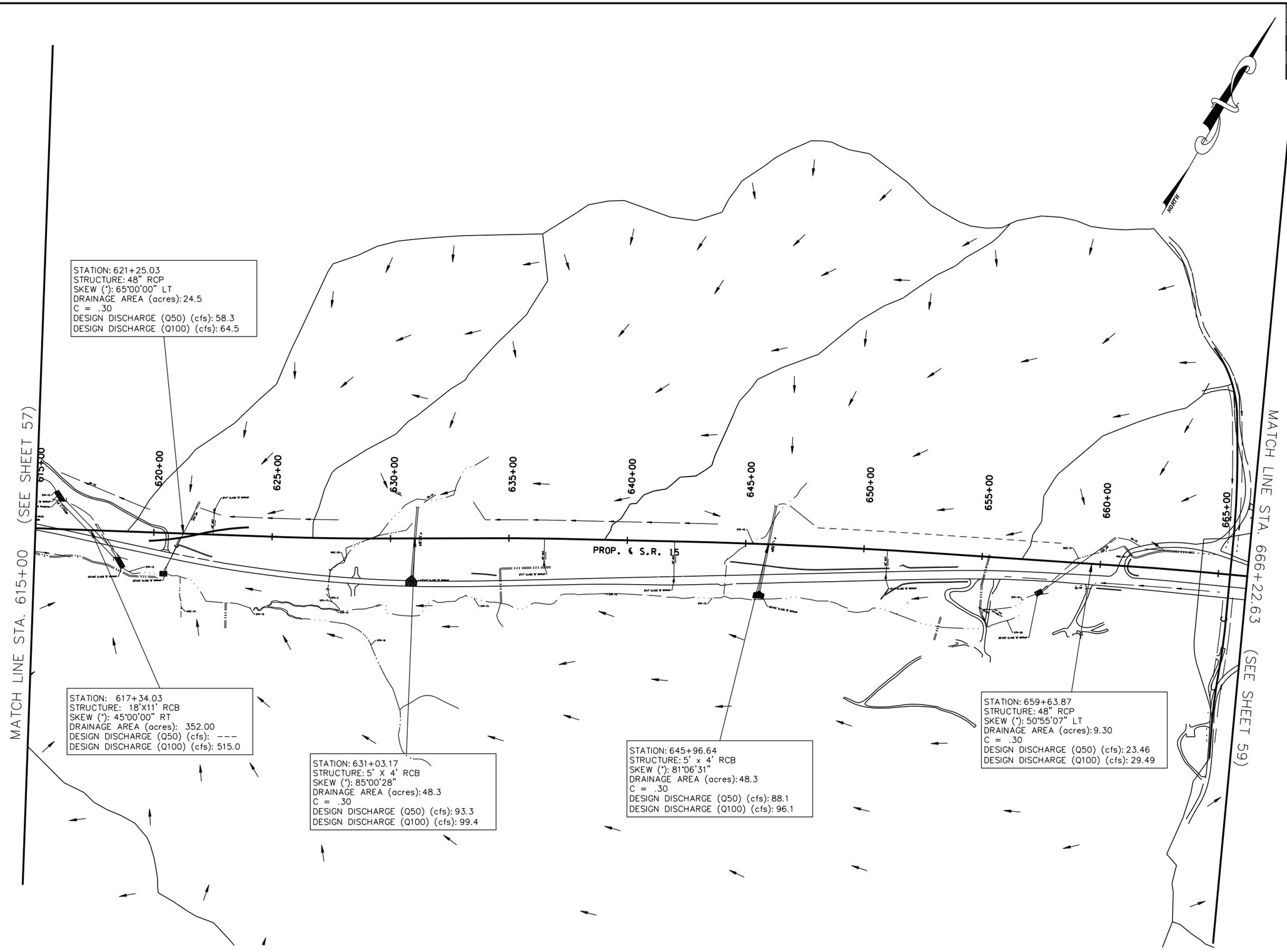
8/16/2014
C:\BEYONDSITES ENGINEERING\2011\11005BEJ-Parker1099\DESIGN\drn_map_57.dgn

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	58
CONST	2014	36001-3290-14	

REV. 11-29-10

REVISED ALIGN CERRO GORDO & COY HILL RDS



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
DRAINAGE MAPS
STA. 615+00
TO
STA. 666+22.63

SCALE: 1" = 200'

8/16/2014
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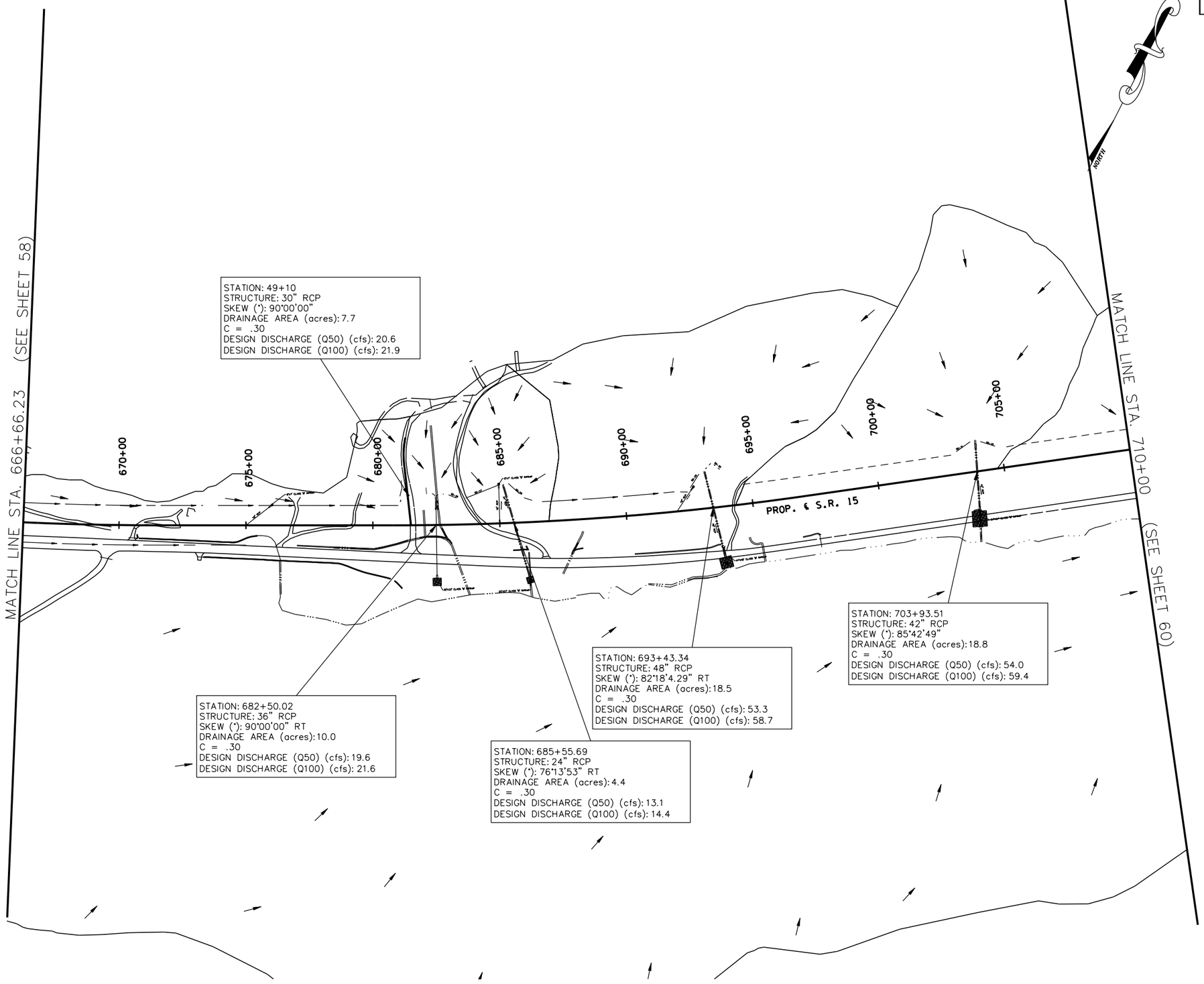
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	59
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
DRAINAGE MAPS
STA. 666+22.63
TO
STA. 710+00

SCALE: 1" = 200'

8/6/2014
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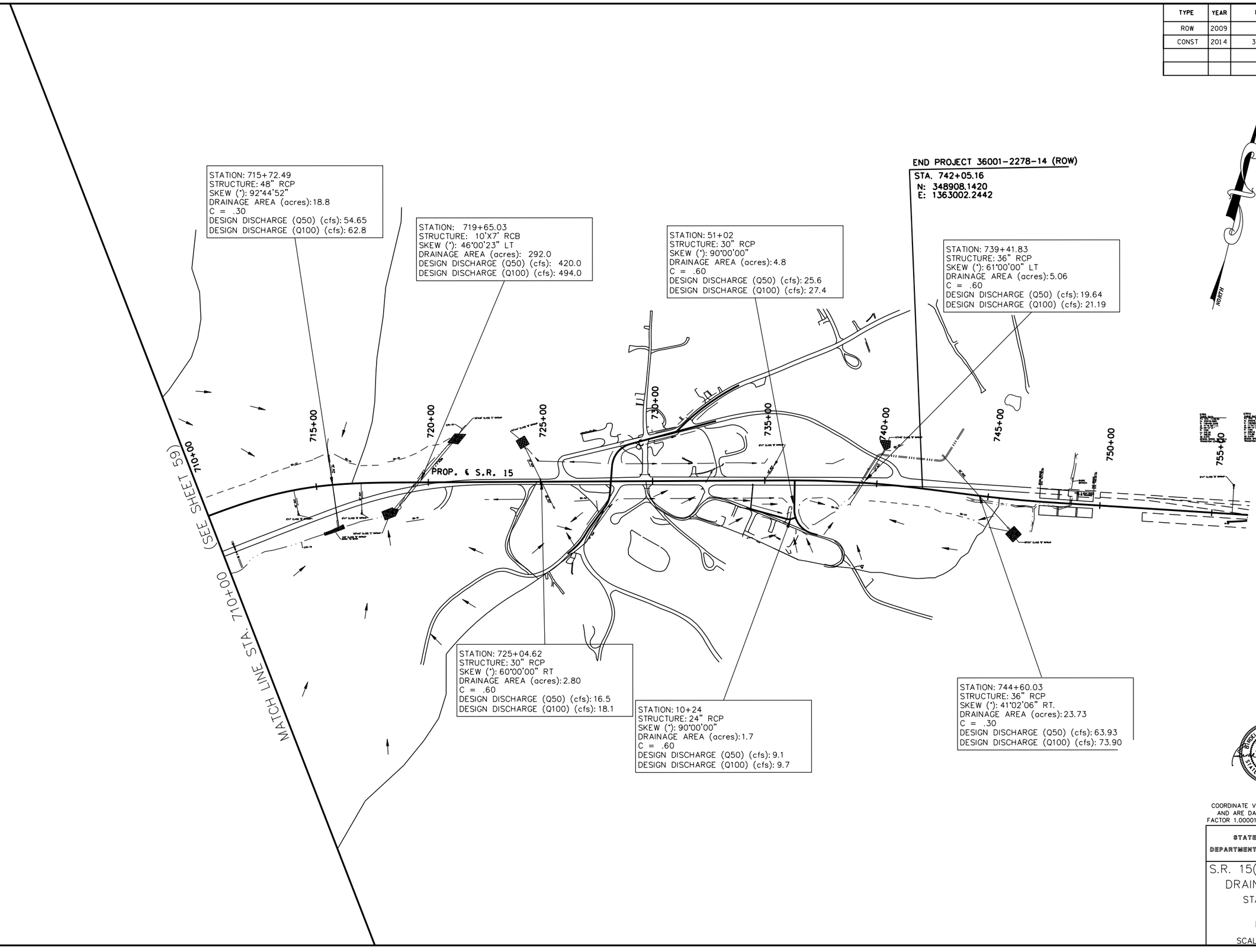
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	60
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
DRAINAGE MAPS
STA. 710+00
TO
E. O. P.

SCALE: 1" = 200'

8/16/2014
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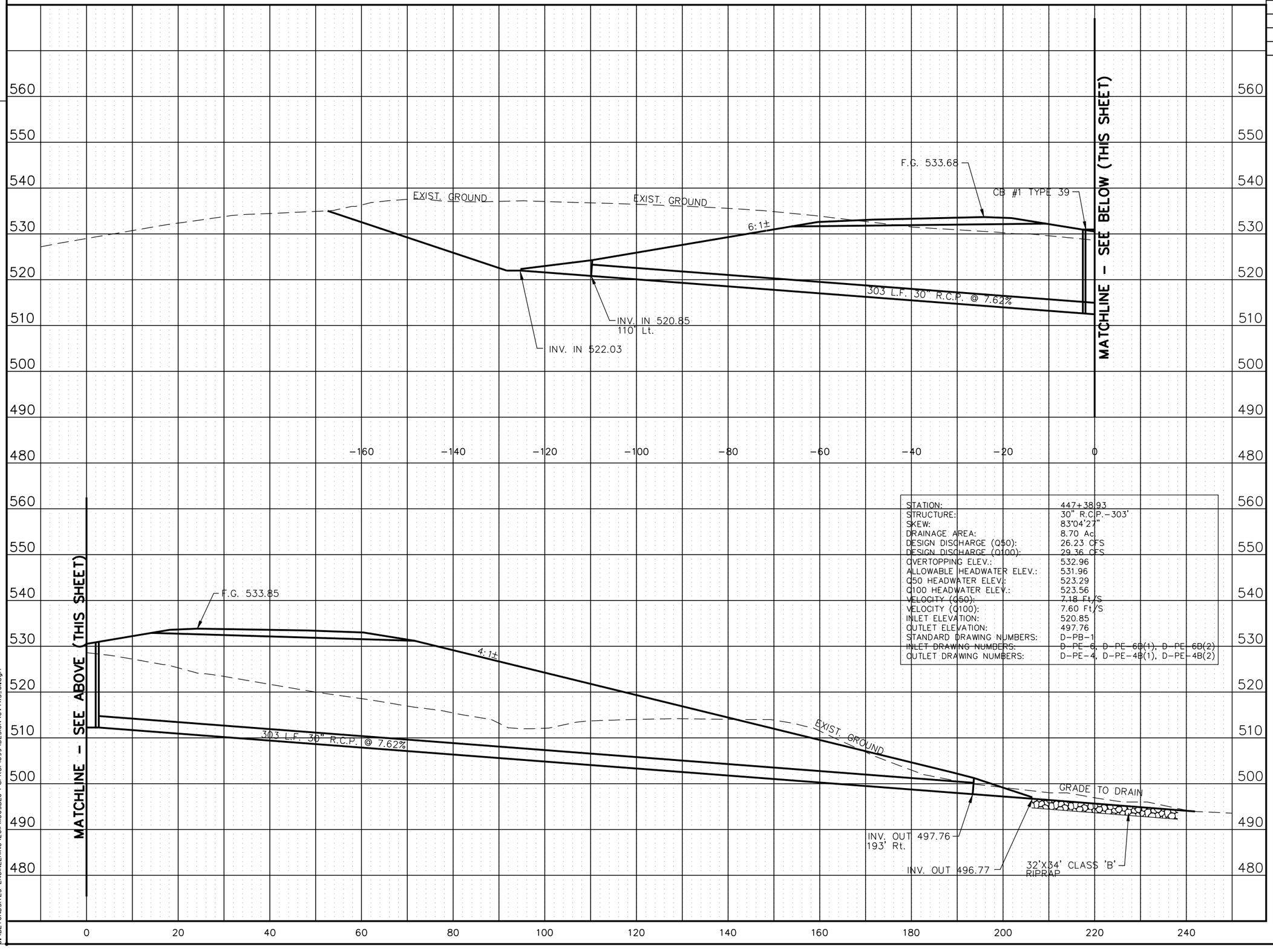
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	61
CONST	2014	36001-3290-14	

REV. 9-23-2013
ADDED RIPRAP



STATION:	447+38.93
STRUCTURE:	30" R.C.P.-303'
SKEW:	83°04'27"
DRAINAGE AREA:	8.70 Ac
DESIGN DISCHARGE (Q50):	26.23 CFS
DESIGN DISCHARGE (Q100):	29.36 CFS
OVERTOPPING ELEV.:	532.96
ALLOWABLE HEADWATER ELEV.:	531.96
Q50 HEADWATER ELEV.:	523.29
Q100 HEADWATER ELEV.:	523.56
VELOCITY (Q50):	7.18 Ft/S
VELOCITY (Q100):	7.60 Ft/S
INLET ELEVATION:	520.85
OUTLET ELEVATION:	497.76
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-6, D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-4, D-PE-4B(1), D-PE-4B(2)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 447+38.93

SCALE: 1" = 50'H, 5'V

8/16/2014
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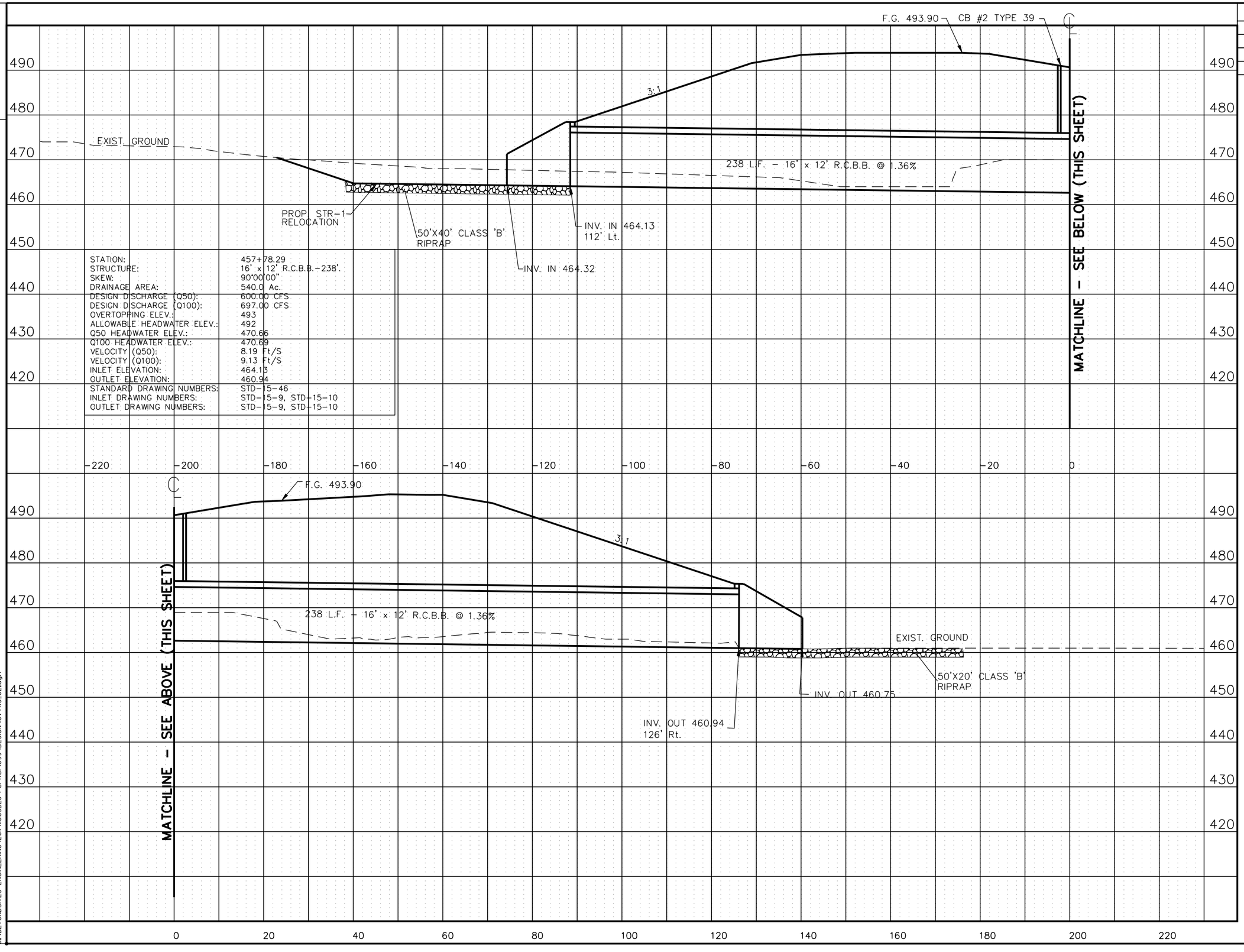
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	62
CONST	2014	36001-3290-14	

REV. 2-24-12
LABELED STREAM RELOCATION

REV. 9-23-13
ADDED RIPRAP



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA.457+78.29

SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	63
CONST	2014	36001-3290-14	

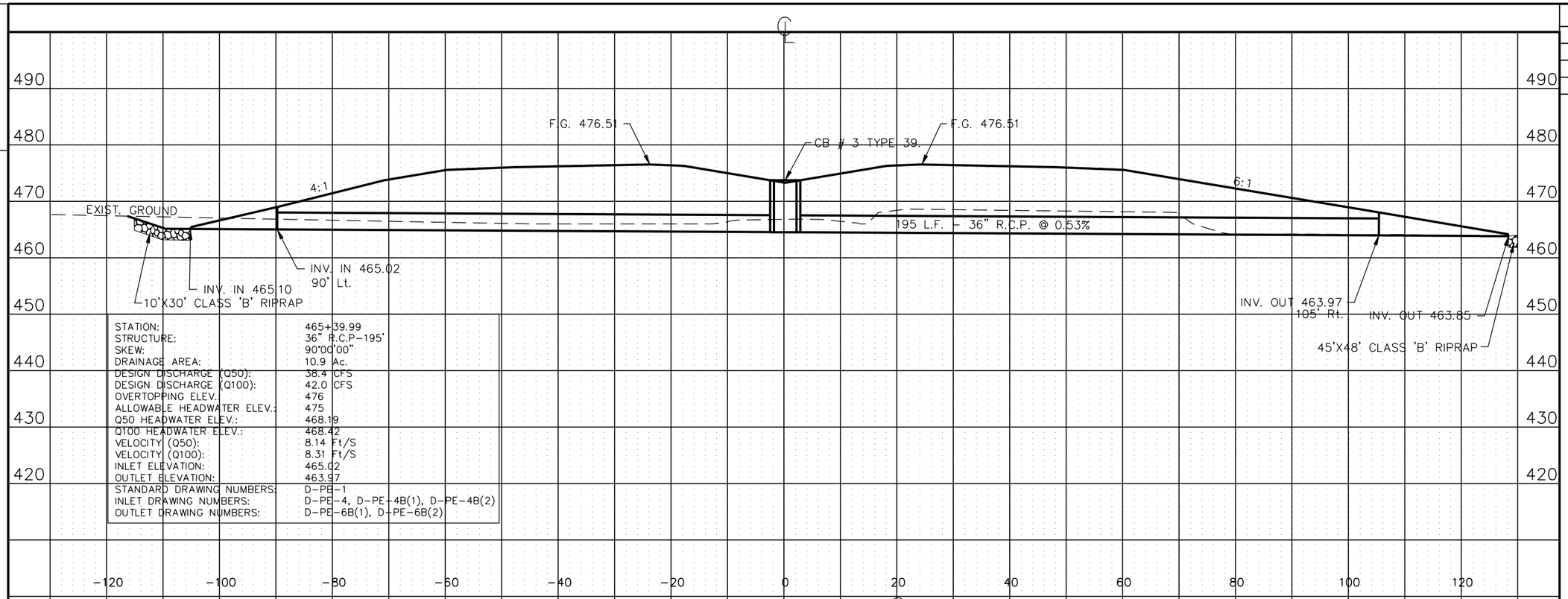
REV. 2-24-12

LABELED STREAM TRANSITION FOR CULVERT AT 471+03

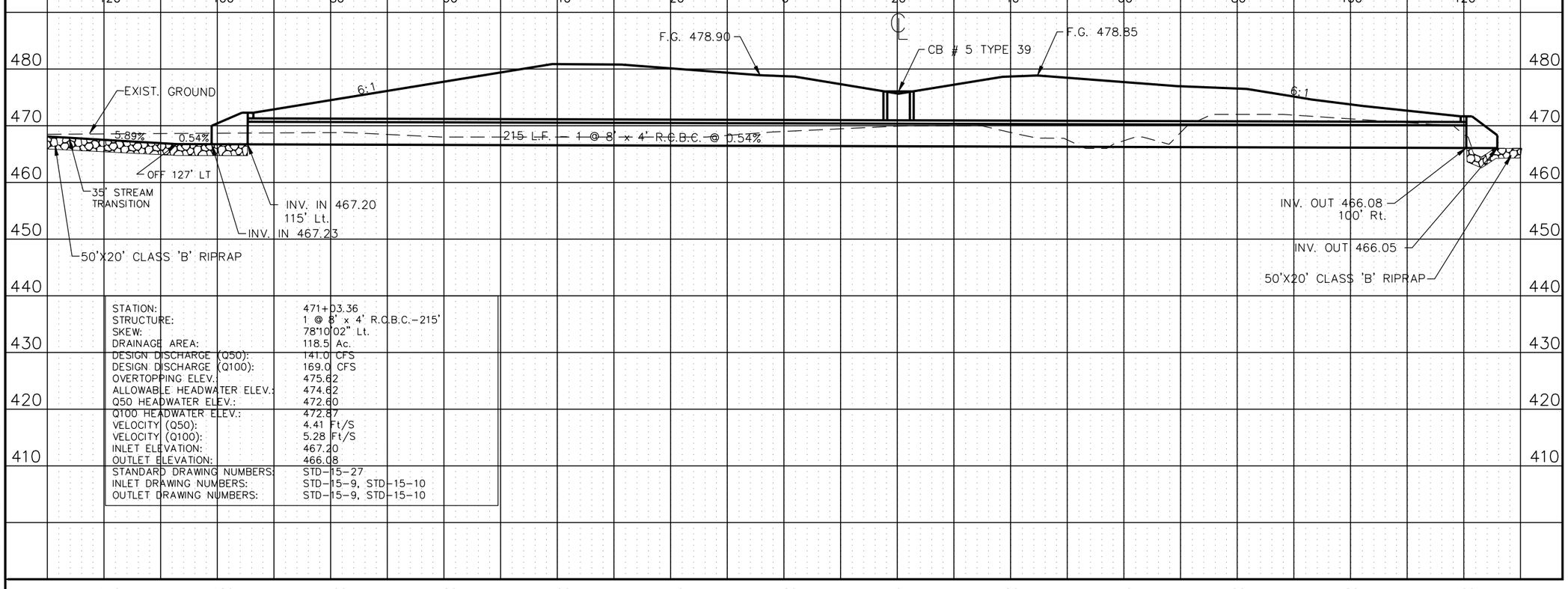
REMOVED "GRADE TO DRAIN" FOR CULVERT AT 471+03

REV. 9-23-13

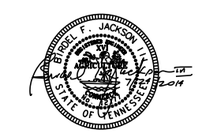
ADDED RIPRAP



STATION:	465+39.99
STRUCTURE:	36" R.C.P-195'
SKEW:	90°00'00"
DRAINAGE AREA:	10.9 Ac.
DESIGN DISCHARGE (Q50):	38.4 CFS
DESIGN DISCHARGE (Q100):	42.0 CFS
OVERTOPPING ELEV.:	476
ALLOWABLE HEADWATER ELEV.:	475
Q50 HEADWATER ELEV.:	468.19
Q100 HEADWATER ELEV.:	468.42
VELOCITY (Q50):	8.14 Ft/S
VELOCITY (Q100):	8.31 Ft/S
INLET ELEVATION:	465.02
OUTLET ELEVATION:	463.97
STANDARD DRAWING NUMBERS:	D-PE-1
INLET DRAWING NUMBERS:	D-PE-4, D-PE-4B(1), D-PE-4B(2)
OUTLET DRAWING NUMBERS:	D-PE-6B(1), D-PE-6B(2)



STATION:	471+03.36
STRUCTURE:	1 @ 8' x 4' R.C.B.C.-215'
SKEW:	78°10'02" Lt.
DRAINAGE AREA:	118.5 Ac.
DESIGN DISCHARGE (Q50):	141.0 CFS
DESIGN DISCHARGE (Q100):	169.0 CFS
OVERTOPPING ELEV.:	475.62
ALLOWABLE HEADWATER ELEV.:	474.62
Q50 HEADWATER ELEV.:	472.60
Q100 HEADWATER ELEV.:	472.87
VELOCITY (Q50):	4.41 Ft/S
VELOCITY (Q100):	5.28 Ft/S
INLET ELEVATION:	467.20
OUTLET ELEVATION:	466.08
STANDARD DRAWING NUMBERS:	STD-15-27
INLET DRAWING NUMBERS:	STD-15-9, STD-15-10
OUTLET DRAWING NUMBERS:	STD-15-9, STD-15-10



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 465+41.47 &
STA. 471+03.36

SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

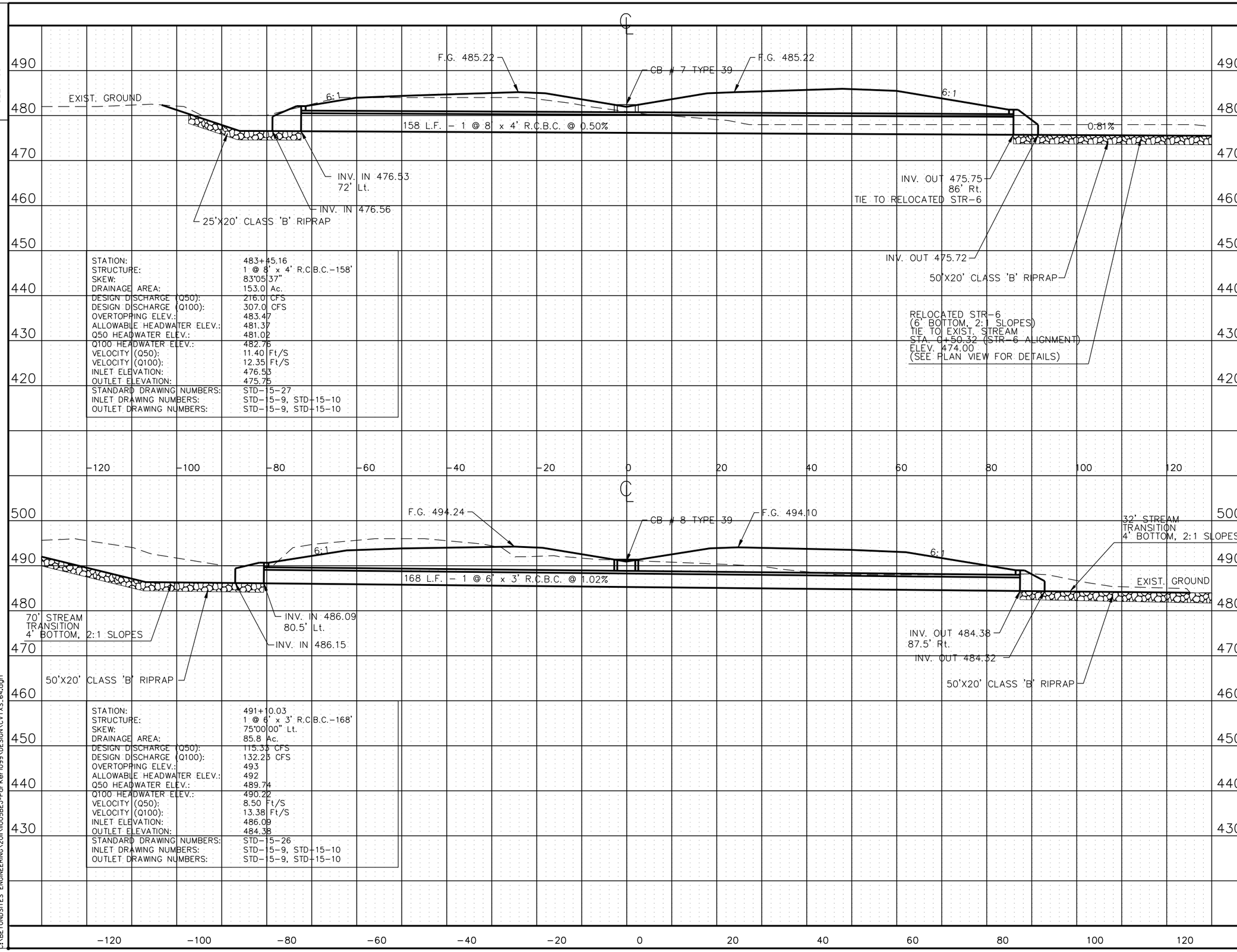
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	64
CONST	2014	36001-3290-14	

REV. 2-24-12

LABELED STREAM RELOCATION AND STREAM TRANSITIONS

REV. 9-23-13

ADDED RIPRAP



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 483+48.03 &
STA. 491+10.03

SCALE: 1" = 50'H, 5'V

8/16/2014
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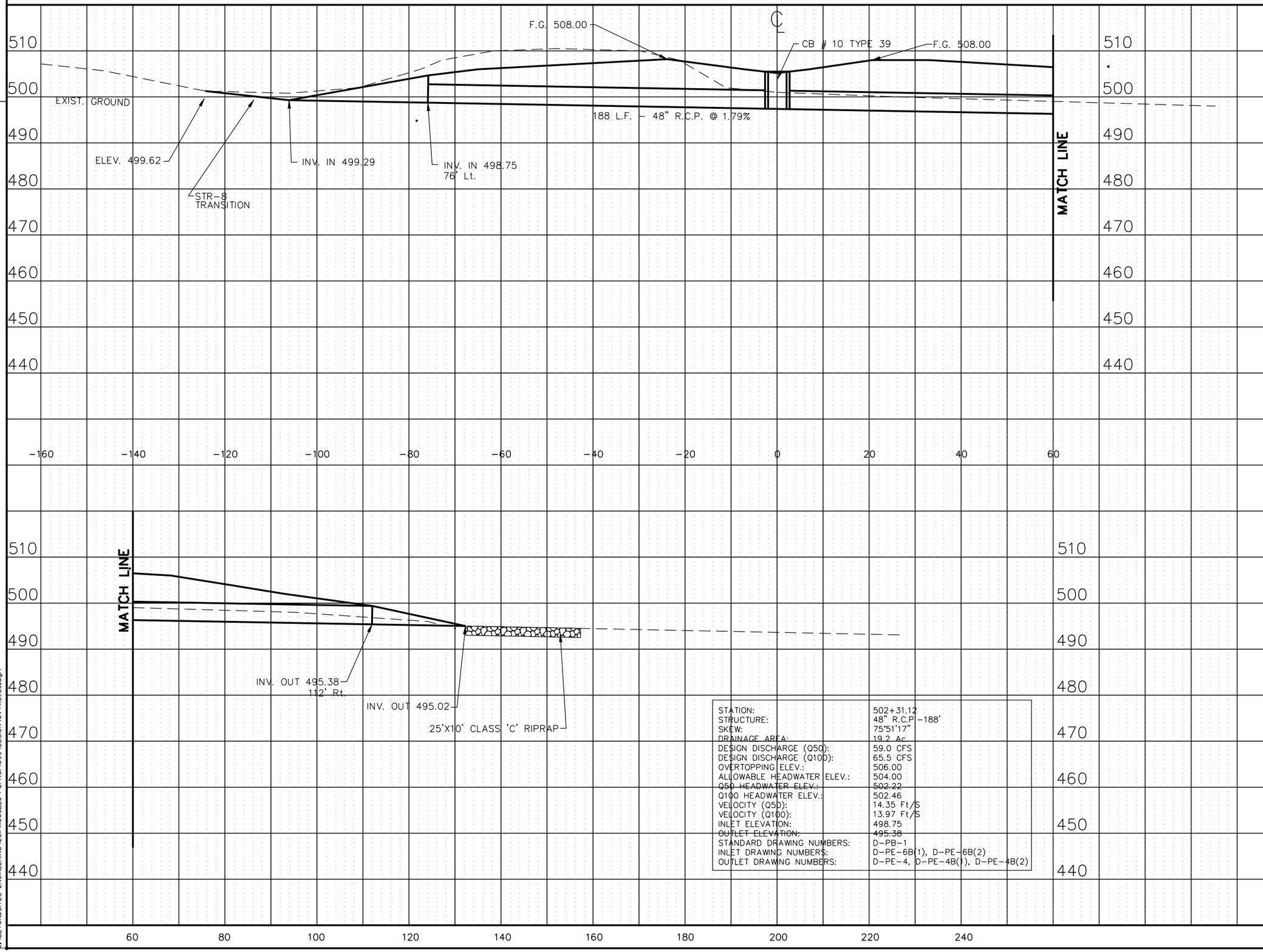
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	65
CONST	2014	36001-3290-14	



STATION:	502+31.12
STRUCTURE:	48" R.C.P -188'
SKEW:	75°51'17"
DRAINAGE AREA:	19.2 Ac
DESIGN DISCHARGE (Q50):	59.0 CFS
DESIGN DISCHARGE (Q100):	65.5 CFS
OVERTOPPING ELEV.:	506.00
ALLOWABLE HEADWATER ELEV.:	504.00
Q50 HEADWATER ELEV.:	502.22
Q100 HEADWATER ELEV.:	502.46
VELOCITY (Q50):	14.35 Ft/S
VELOCITY (Q100):	13.97 Ft/S
INLET ELEVATION:	498.75
OUTLET ELEVATION:	495.38
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-4, D-PE-4B(1), D-PE-4B(2)

REV. 2-24-12

MOVED CULVERT AT STA. 507+21 TO SHEET 65A

RELOCATED CULVERT AT 501+02 TO STA. 502+51

REV. 5-7-12

RELOCATED CULVERT AT STA. 502+51 TO 502+31

REV. 7-15-13

REVISED CULVERT SECTION AT 502+31

REV. 9-23-13

ADDED RIPRAP

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 502+31.12

SCALE: 1" = 50'H, 5'V

8/16/2014
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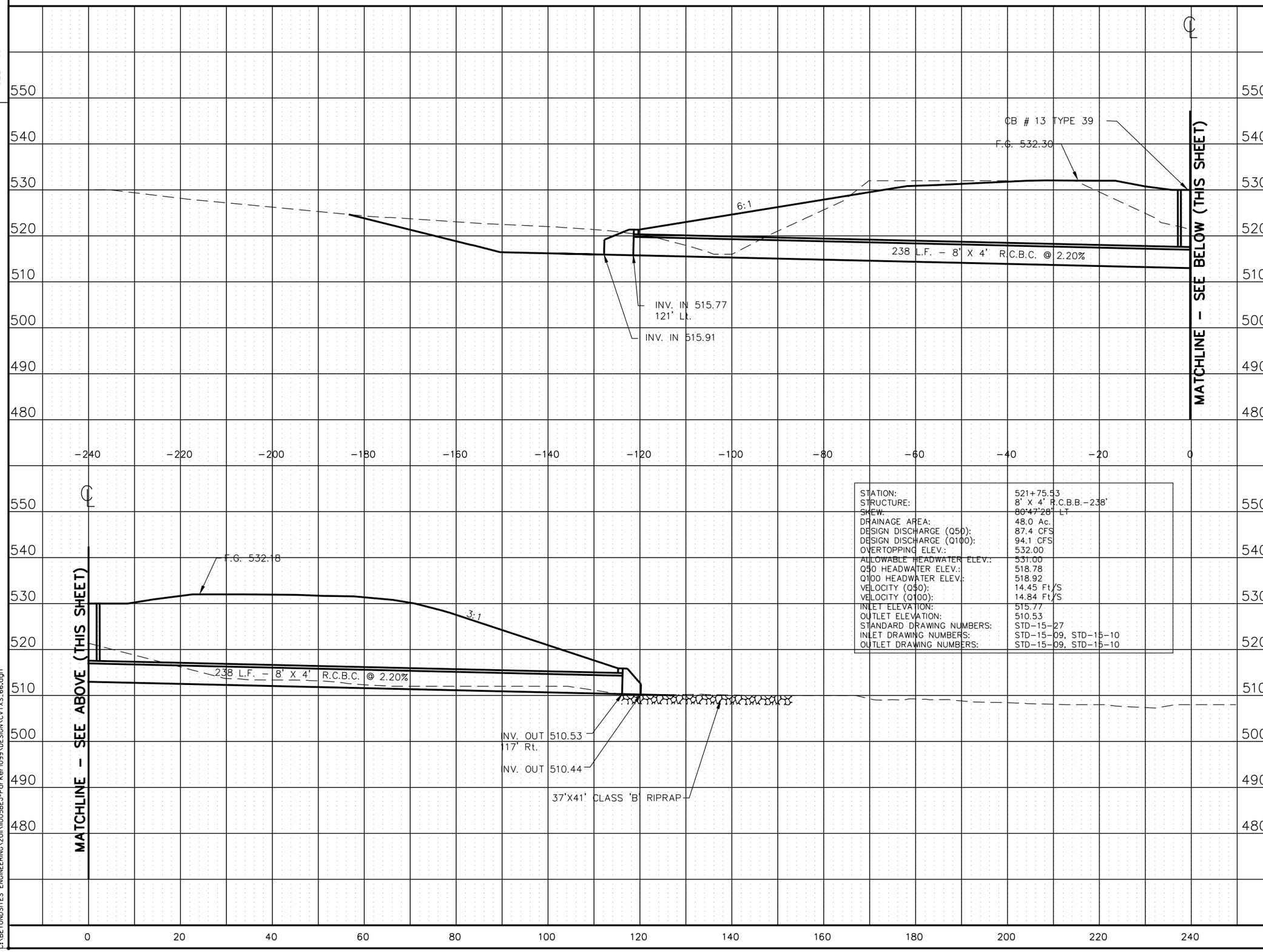
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	66
CONST	2014	36001-3290-14	

REV. 9-23-13
ADDED RIPRAP



STATION:	521+75.53
STRUCTURE:	8' X 4' R.C.B.B.-238'
SKEW:	80°47'28" LT
DRAINAGE AREA:	48.0 Ac.
DESIGN DISCHARGE (Q50):	87.4 CFS
DESIGN DISCHARGE (Q100):	94.1 CFS
OVERTOPPING ELEV.:	532.00
ALLOWABLE HEADWATER ELEV.:	531.00
Q50 HEADWATER ELEV.:	518.78
Q100 HEADWATER ELEV.:	518.92
VELOCITY (Q50):	14.45 Ft/S
VELOCITY (Q100):	14.84 Ft/S
INLET ELEVATION:	515.77
OUTLET ELEVATION:	510.53
STANDARD DRAWING NUMBERS:	STD-15-27
INLET DRAWING NUMBERS:	STD-15-09, STD-15-10
OUTLET DRAWING NUMBERS:	STD-15-09, STD-15-10

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 521+75.53

SCALE: 1" = 50'H, 5'V

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

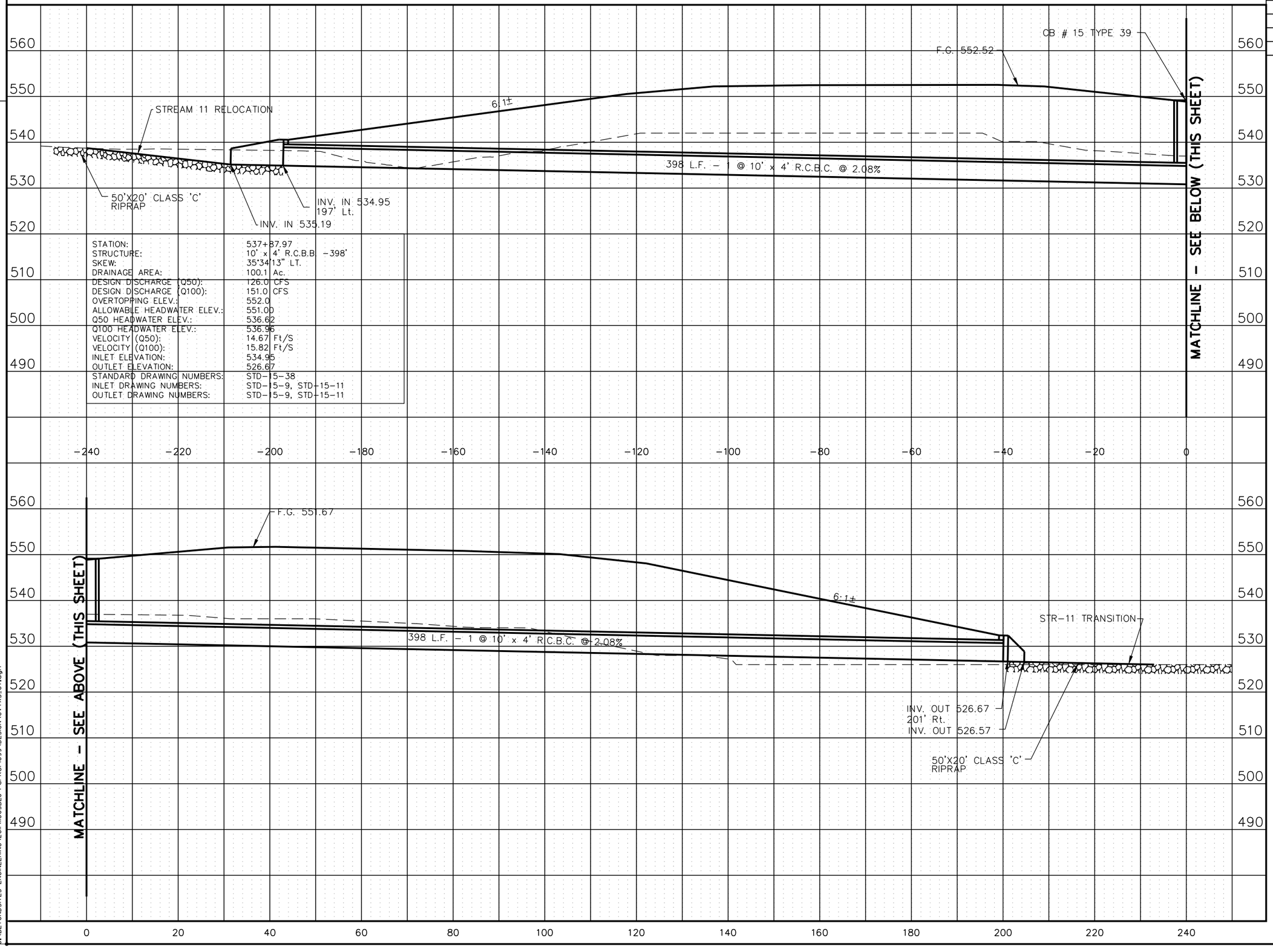
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	67
CONST	2014	36001-3290-14	

REV. 2-24-12

LABELED STREAM RELOCATION AND TRANSITION

REV. 9-23-13

ADDED RIPRAP



STATION:	537+87.97
STRUCTURE:	10' x 4' R.C.B.B. – 398'
SKEW:	35°34'13" LT.
DRAINAGE AREA:	100.1 Ac.
DESIGN DISCHARGE (Q50):	126.0 CFS
DESIGN DISCHARGE (Q100):	151.0 CFS
OVERTOPPING ELEV.:	552.0
ALLOWABLE HEADWATER ELEV.:	551.00
Q50 HEADWATER ELEV.:	536.62
Q100 HEADWATER ELEV.:	536.96
VELOCITY (Q50):	14.67 Ft/S
VELOCITY (Q100):	15.82 Ft/S
INLET ELEVATION:	534.95
OUTLET ELEVATION:	526.67
STANDARD DRAWING NUMBERS:	STD-15-38
INLET DRAWING NUMBERS:	STD-15-9, STD-15-11
OUTLET DRAWING NUMBERS:	STD-15-9, STD-15-11

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 537+87.97

SCALE: 1" = 50'H, 5'V

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	68
CONST	2014	36001-3290-14	•
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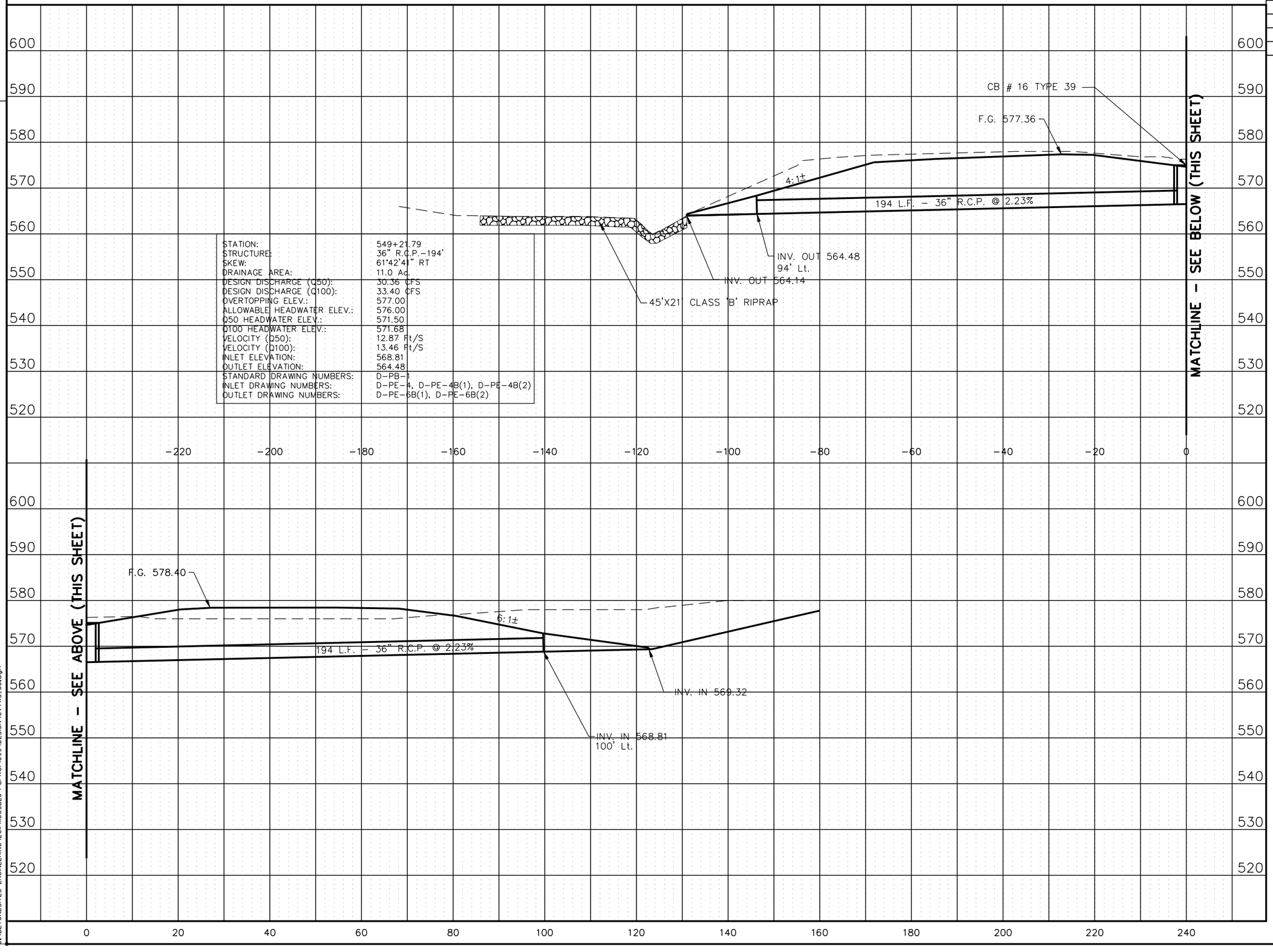
•	•	•	•

REV. 9-23-13
ADDED RIPRAP



STATION:	549+21.79
STRUCTURE:	36" R.C.P.-194'
SKEW:	61°42'41" RT
DRAINAGE AREA:	11.0 Ac.
DESIGN DISCHARGE (Q50):	30.36 CFS
DESIGN DISCHARGE (Q100):	33.40 CFS
OVERTOPPING ELEV.:	577.00
ALLOWABLE HEADWATER ELEV.:	576.00
Q50 HEADWATER ELEV.:	571.50
Q100 HEADWATER ELEV.:	571.68
VELOCITY (Q50):	12.87 Ft/S
VELOCITY (Q100):	13.46 Ft/S
INLET ELEVATION:	568.81
OUTLET ELEVATION:	564.48
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-4, D-PE-4B(1), D-PE-4B(2)
OUTLET DRAWING NUMBERS:	D-PE-6B(1), D-PE-6B(2)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 549+21.79

SCALE: 1" = 50'H, 5'V

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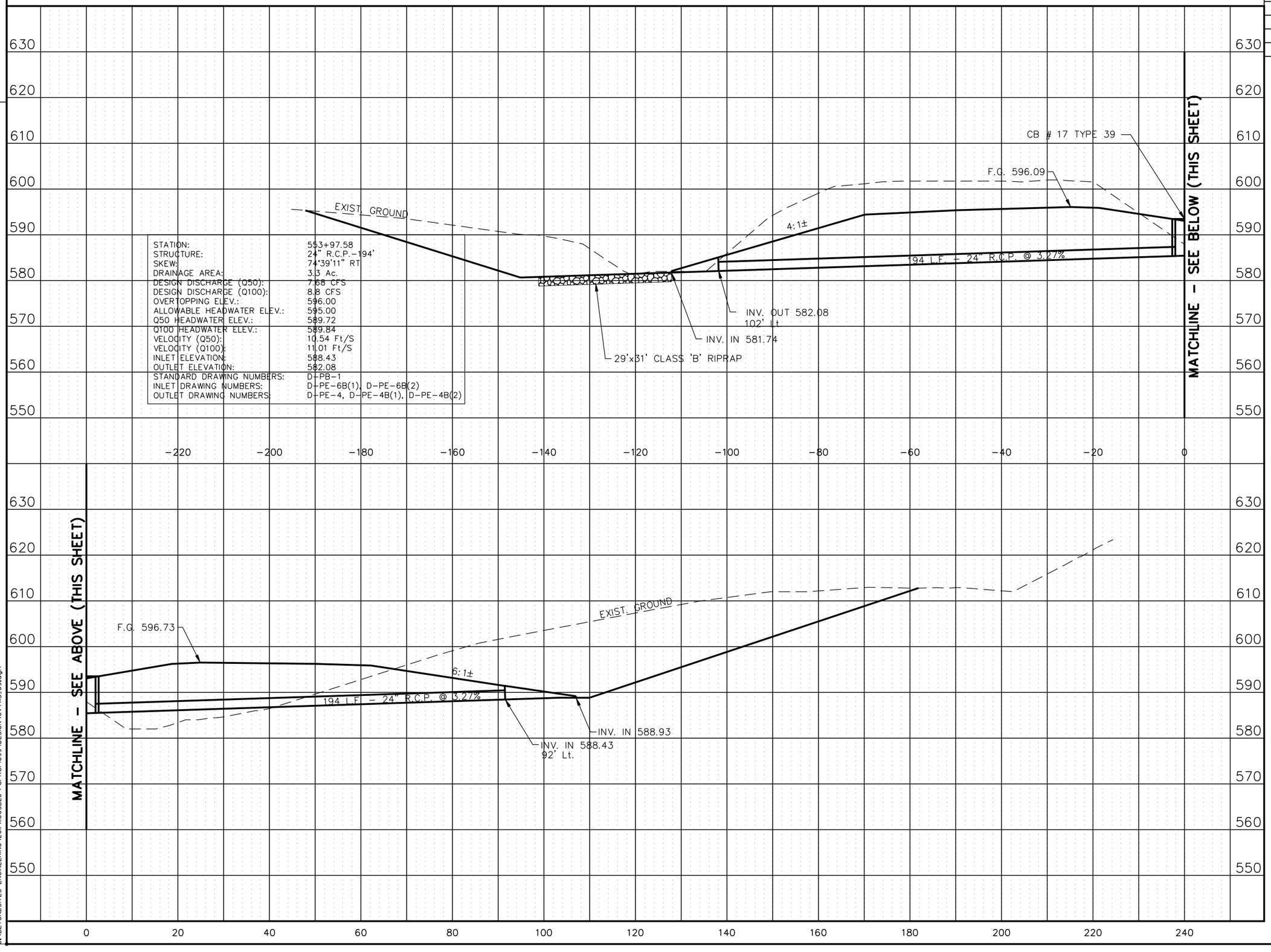
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	69
CONST	2014	36001-3290-14	

REV. 9-23-13
ADDED RIPRAP



STATION:	553+97.58
STRUCTURE:	24" R.C.P.-194'
SKEW:	74°39'11" RT
DRAINAGE AREA:	3.3 Ac.
DESIGN DISCHARGE (Q50):	7.68 CFS
DESIGN DISCHARGE (Q100):	8.8 CFS
OVERTOPPING ELEV.:	596.00
ALLOWABLE HEADWATER ELEV.:	595.00
Q50 HEADWATER ELEV.:	589.72
Q100 HEADWATER ELEV.:	589.84
VELOCITY (Q50):	10.54 Ft/S
VELOCITY (Q100):	11.01 Ft/S
INLET ELEVATION:	588.43
OUTLET ELEVATION:	582.08
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-4, D-PE-4B(1), D-PE-4B(2)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 553+97.58

SCALE: 1" = 50'H, 5'V

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	70
CONST	2014	36001-3290-14	•
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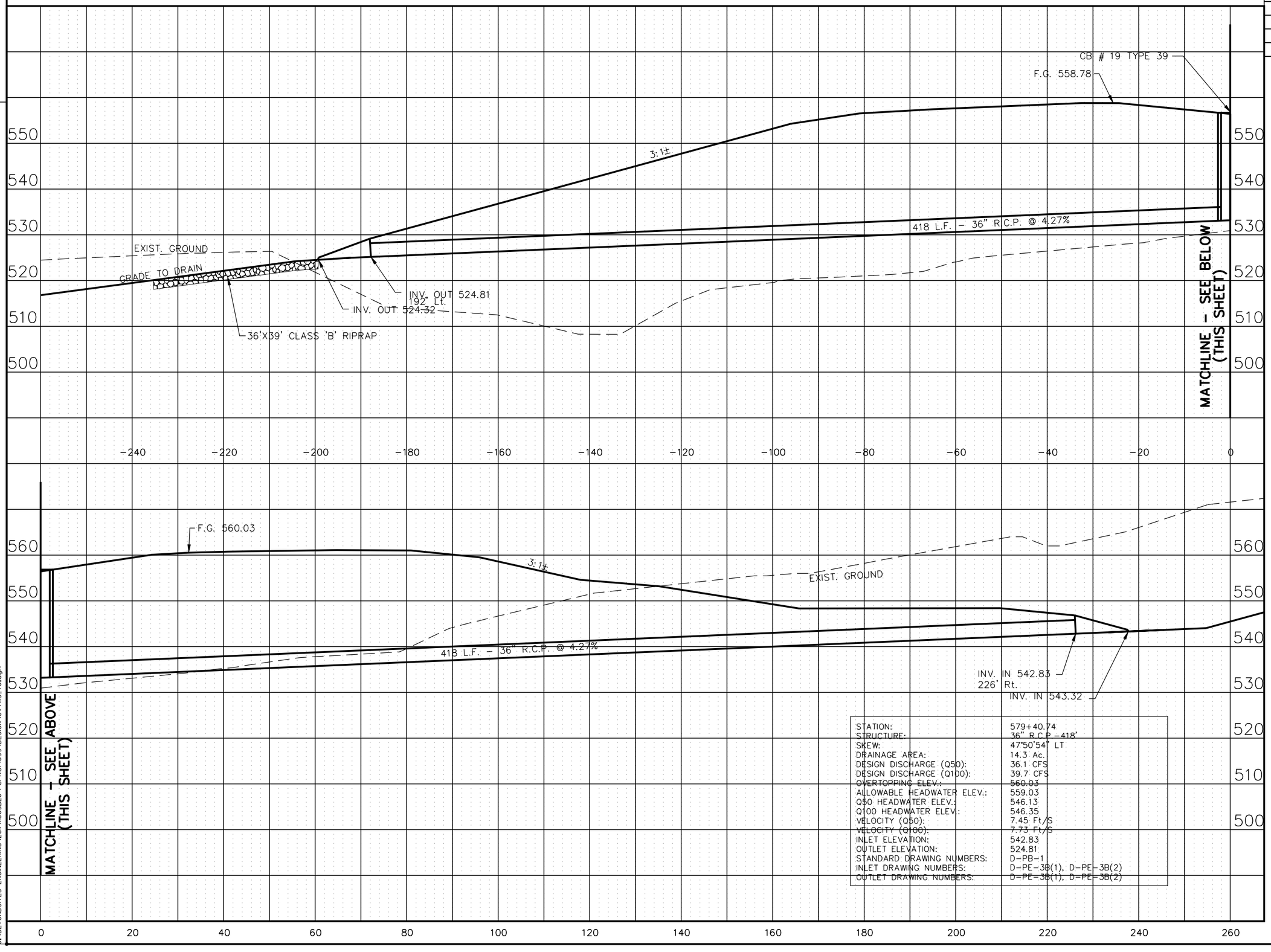
REV. 9-23-13

ADDED RIPRAP



STATION:	579+40.74
STRUCTURE:	36" R.C.P.-418'
SKEW:	47°50'54" LT
DRAINAGE AREA:	14.3 Ac.
DESIGN DISCHARGE (Q50):	36.1 CFS
DESIGN DISCHARGE (Q100):	39.7 CFS
OVERTOPPING ELEV.:	560.03
ALLOWABLE HEADWATER ELEV.:	559.03
Q50 HEADWATER ELEV.:	546.13
Q100 HEADWATER ELEV.:	546.35
VELOCITY (Q50):	7.45 Ft/S
VELOCITY (Q100):	7.73 Ft/S
INLET ELEVATION:	542.83
OUTLET ELEVATION:	524.81
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-3B(1), D-PE-3B(2)
OUTLET DRAWING NUMBERS:	D-PE-3B(1), D-PE-3B(2)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 579+40.74

SCALE: 1" = 50'H, 5'V

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	71
CONST	2014	36001-3290-14	•
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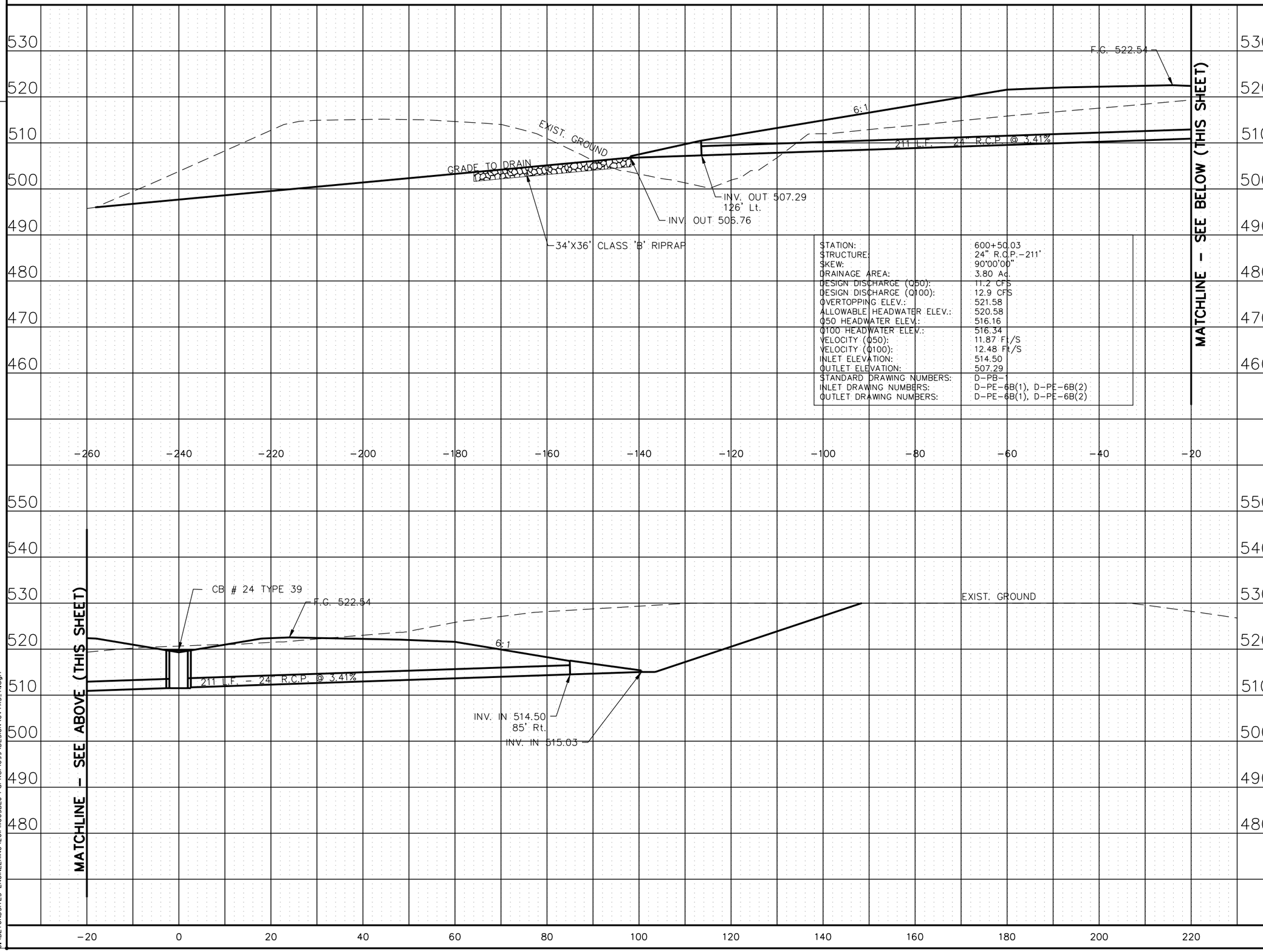
REV. 9-23-13
ADDED RIPRAP



STATION:	600+50.03
STRUCTURE:	24" R.C.P.-211'
SKEW:	90°00'00"
DRAINAGE AREA:	3.80 Ac.
DESIGN DISCHARGE (Q50):	11.2 CFS
DESIGN DISCHARGE (Q100):	12.9 CFS
OVERTOPPING ELEV.:	521.58
ALLOWABLE HEADWATER ELEV.:	520.58
Q50 HEADWATER ELEV.:	516.16
Q100 HEADWATER ELEV.:	516.34
VELOCITY (Q50):	11.87 Ft/S
VELOCITY (Q100):	12.48 Ft/S
INLET ELEVATION:	514.50
OUTLET ELEVATION:	507.29
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-6B(1), D-PE-6B(2)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 600+50.03

SCALE: 1" = 50'H, 5'V

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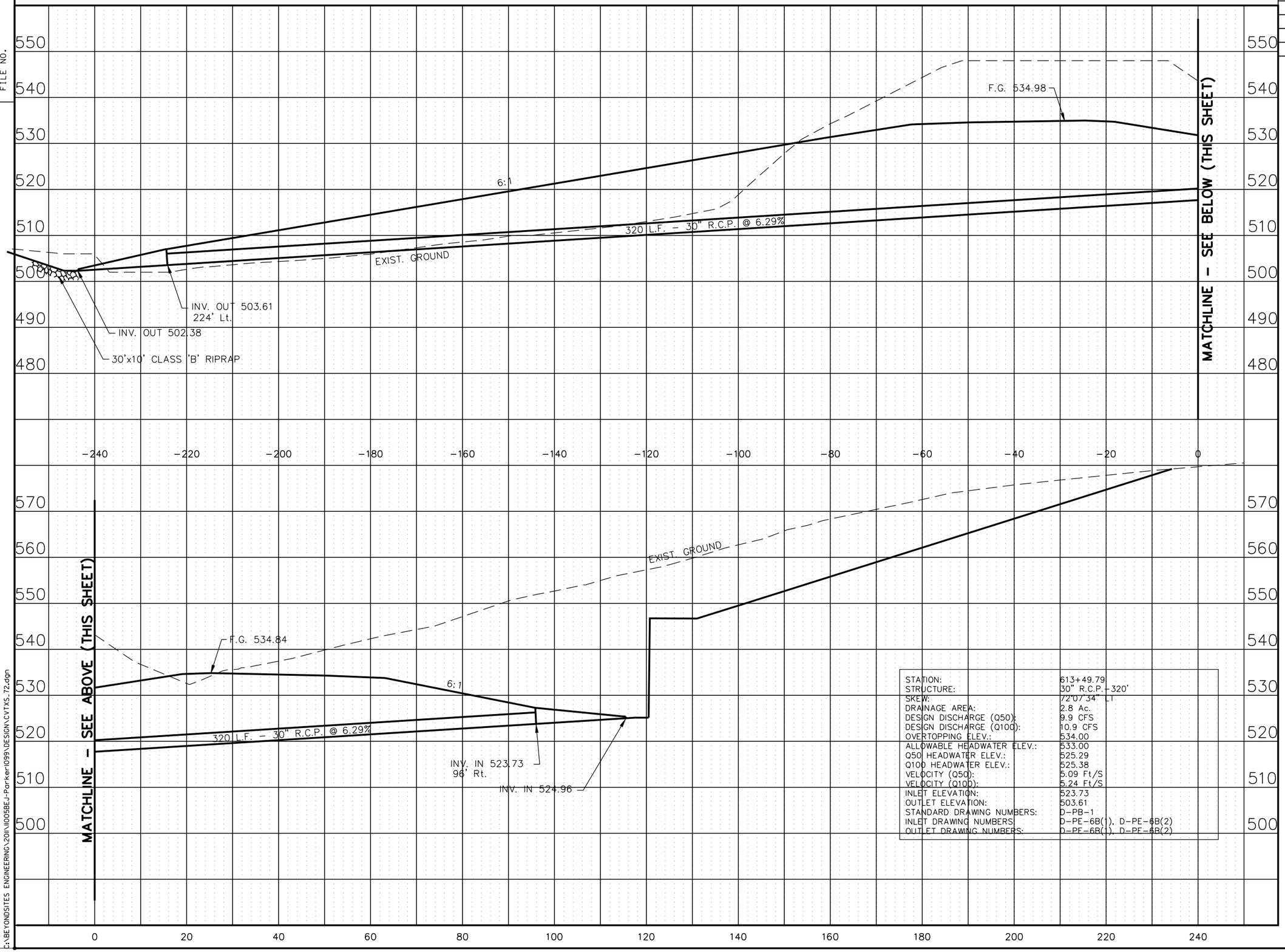
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	72
CONST	2014	36001-3290-14	

REV 9-23-13
ADDED RIPRAP



STATION:	613+49.79
STRUCTURE:	30" R.C.P.-320'
SKEW:	72°07'34" LT
DRAINAGE AREA:	2.8 Ac.
DESIGN DISCHARGE (Q50):	9.9 CFS
DESIGN DISCHARGE (Q100):	10.9 CFS
OVERTOPPING ELEV.:	534.00
ALLOWABLE HEADWATER ELEV.:	533.00
Q50 HEADWATER ELEV.:	525.29
Q100 HEADWATER ELEV.:	525.38
VELOCITY (Q50):	5.09 Ft/S
VELOCITY (Q100):	5.24 Ft/S
INLET ELEVATION:	523.73
OUTLET ELEVATION:	503.61
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-6B(1), D-PE-6B(2)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 613+49.79

SCALE: 1" = 50'H, 5'V

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	73
CONST	2014	36001-3290-14	•
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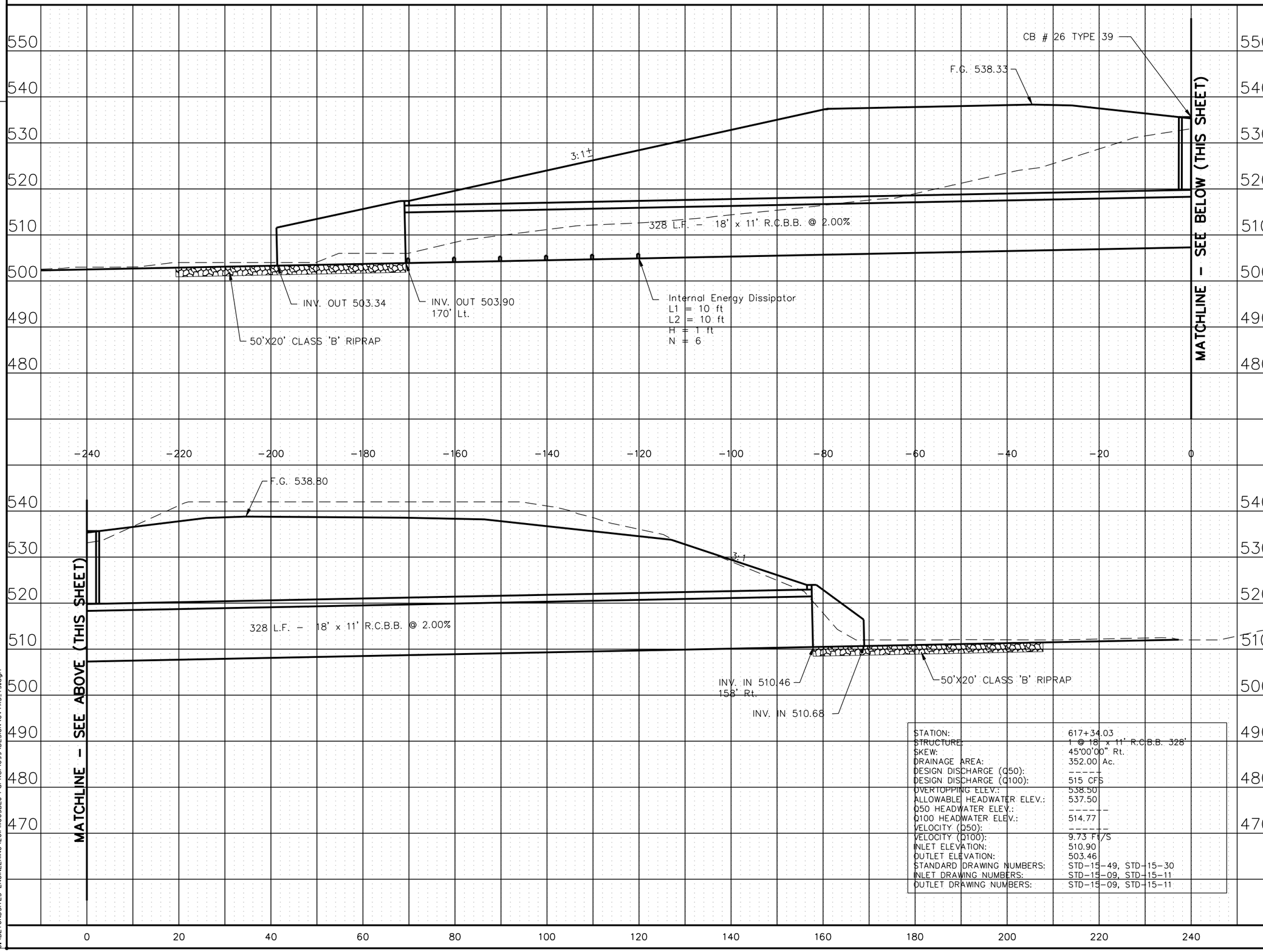
REV. 9-23-13
ADDED RIPRAP



STATION:	617+34.03
STRUCTURE:	1 @ 18' x 11' R.C.B.B. 328'
SKEW:	45°00'00" Rt.
DRAINAGE AREA:	352.00 Ac.
DESIGN DISCHARGE (Q50):	------
DESIGN DISCHARGE (Q100):	515 CFS
OVERTOPPING ELEV.:	538.50
ALLOWABLE HEADWATER ELEV.:	537.50
Q50 HEADWATER ELEV.:	------
Q100 HEADWATER ELEV.:	514.77
VELOCITY (Q50):	------
VELOCITY (Q100):	9.73 FT/S
INLET ELEVATION:	510.90
OUTLET ELEVATION:	503.46
STANDARD DRAWING NUMBERS:	STD-15-49, STD-15-30
INLET DRAWING NUMBERS:	STD-15-09, STD-15-11
OUTLET DRAWING NUMBERS:	STD-15-09, STD-15-11

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 617+34.00

SCALE: 1" = 50'H, 5'V

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	74
CONST	2014	36001-3290-14	•
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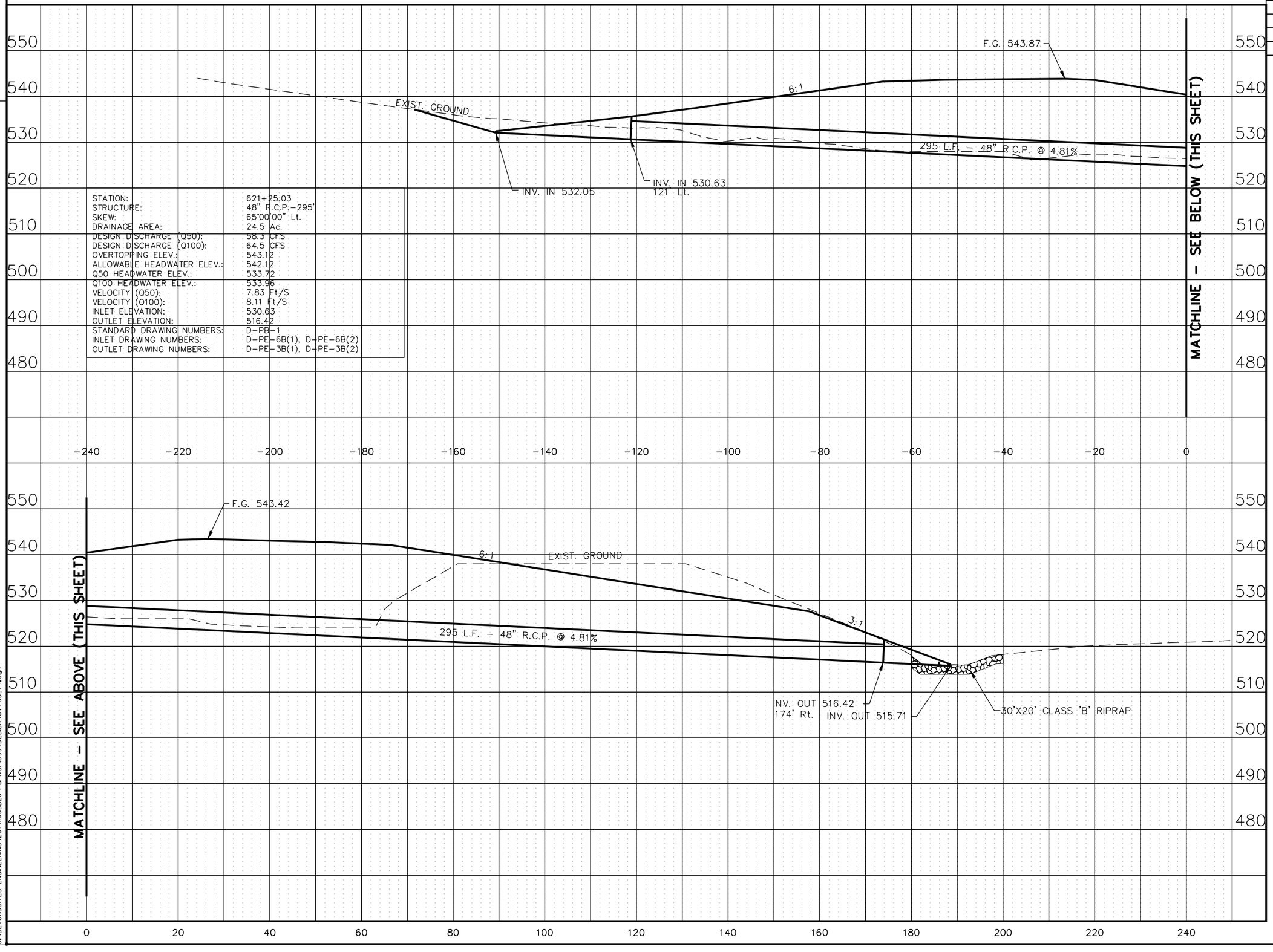
REV. 9-23-13
ADDED RIPRAP



STATION:	621+25.03
STRUCTURE:	48" R.C.P.-295'
SKEW:	65°00'00" Lt.
DRAINAGE AREA:	24.5 Ac.
DESIGN DISCHARGE (Q50):	58.3 CFS
DESIGN DISCHARGE (Q100):	64.5 CFS
OVERTOPPING ELEV.:	543.12
ALLOWABLE HEADWATER ELEV.:	542.12
Q50 HEADWATER ELEV.:	533.72
Q100 HEADWATER ELEV.:	533.96
VELOCITY (Q50):	7.83 Ft/S
VELOCITY (Q100):	8.11 Ft/S
INLET ELEVATION:	530.63
OUTLET ELEVATION:	516.42
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-3B(1), D-PE-3B(2)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 621+25.03

SCALE: 1" = 50'H, 5'V

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	75
CONST	2014	36001-3290-14	•
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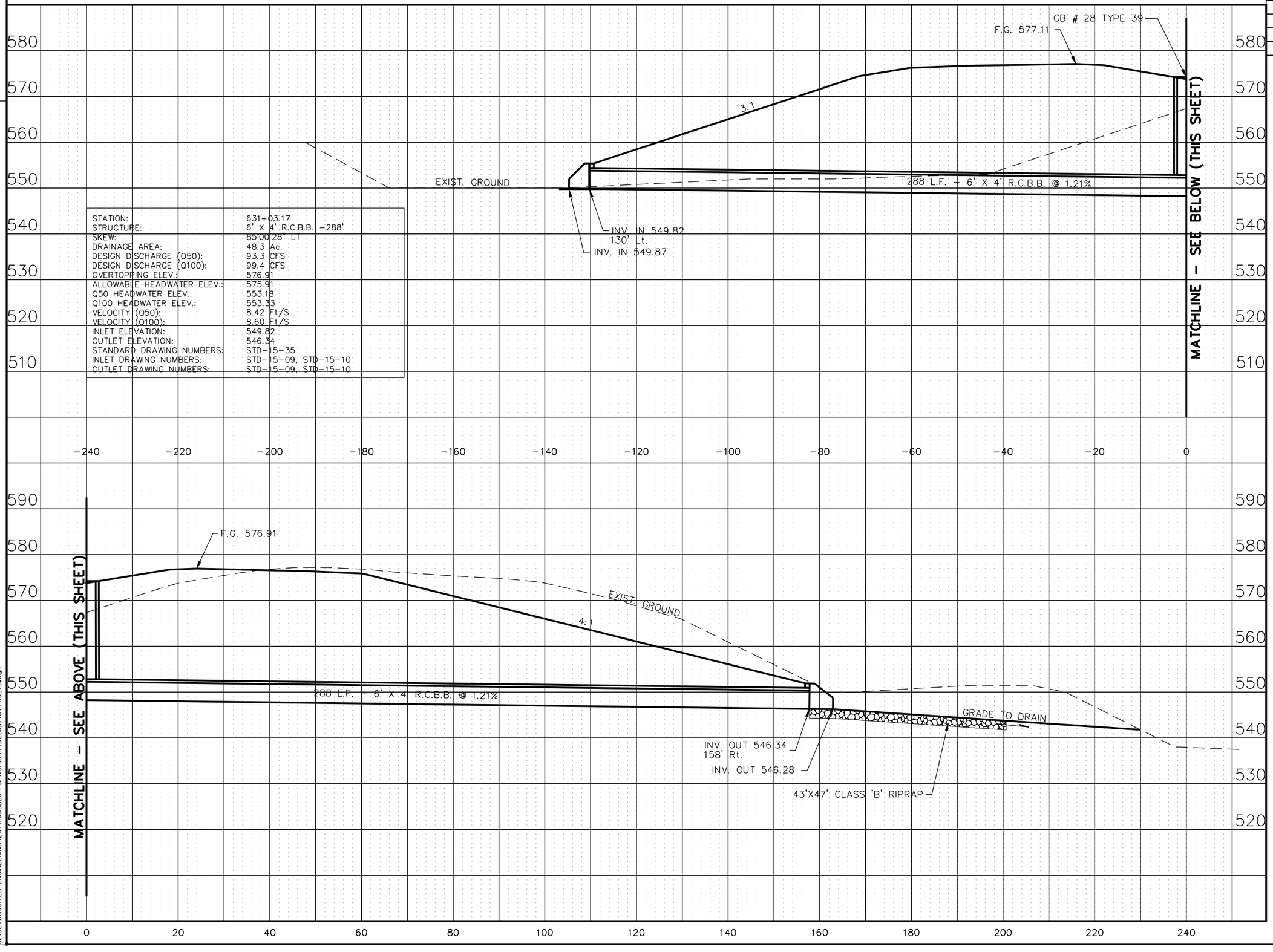
REV. 9-23-13
ADDED RIPRAP



STATION:	631+03.17
STRUCTURE:	6' X 4' R.C.B.B. -288'
SKEW:	85°00'28" LT
DRAINAGE AREA:	48.3 Ac.
DESIGN DISCHARGE (Q50):	93.3 CFS
DESIGN DISCHARGE (Q100):	99.4 CFS
OVERTOPPING ELEV.:	576.91
ALLOWABLE HEADWATER ELEV.:	575.91
Q50 HEADWATER ELEV.:	553.18
Q100 HEADWATER ELEV.:	553.33
VELOCITY (Q50):	8.42 Ft/S
VELOCITY (Q100):	8.60 Ft/S
INLET ELEVATION:	549.82
OUTLET ELEVATION:	546.34
STANDARD DRAWING NUMBERS:	STD-15-35
INLET DRAWING NUMBERS:	STD-15-09, STD-15-10
OUTLET DRAWING NUMBERS:	STD-15-09, STD-15-10

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 631+03.17

SCALE: 1" = 50'H, 5'V

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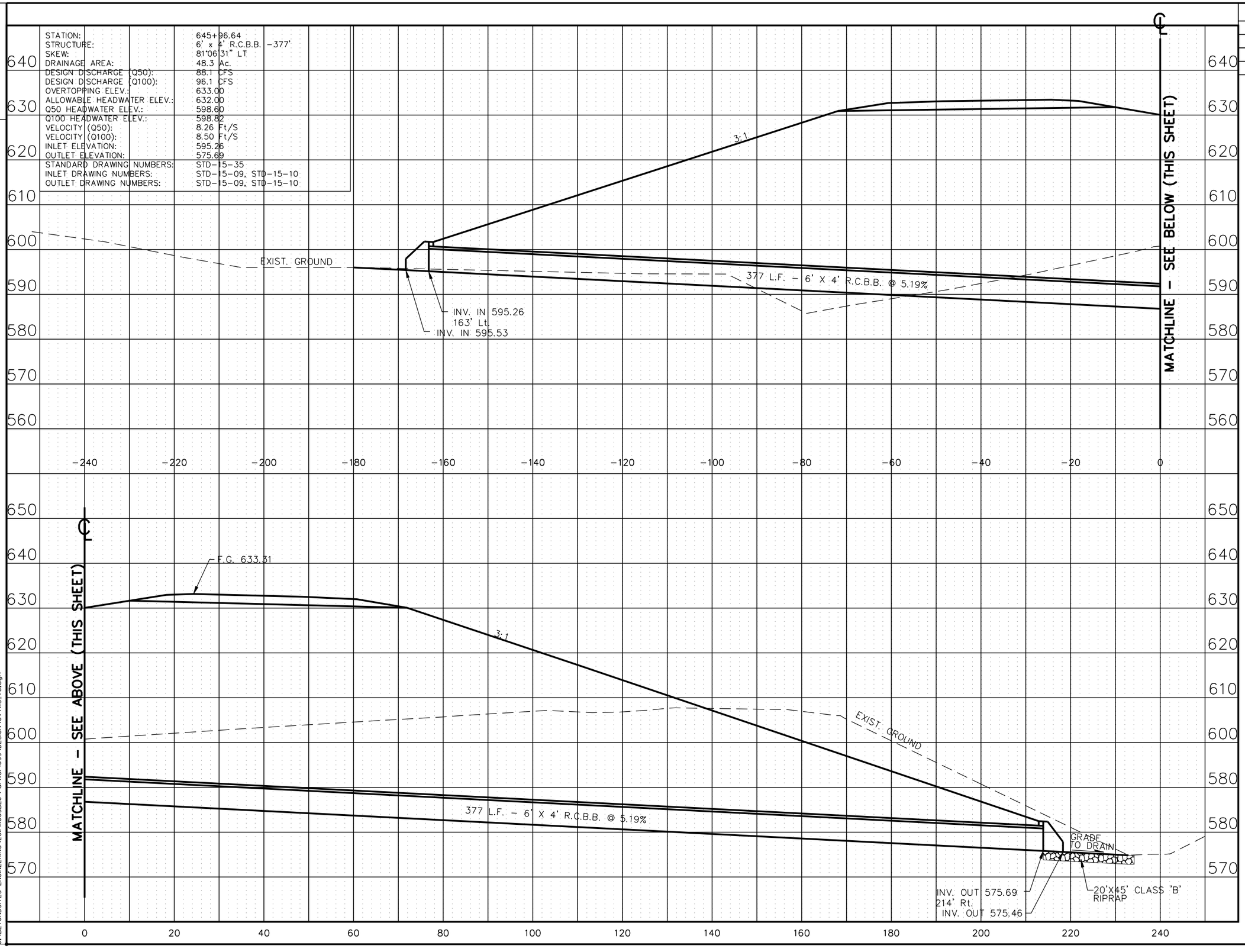
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

STATION:	645+96.64
STRUCTURE:	6' x 4' R.C.B.B. -377'
SKEW:	81°06'31" LT
DRAINAGE AREA:	48.3 Ac.
DESIGN DISCHARGE (Q50):	88.1 CFS
DESIGN DISCHARGE (Q100):	96.1 CFS
OVERTOPPING ELEV.:	633.00
ALLOWABLE HEADWATER ELEV.:	632.00
Q50 HEADWATER ELEV.:	598.60
Q100 HEADWATER ELEV.:	598.82
VELOCITY (Q50):	8.26 Ft/S
VELOCITY (Q100):	8.50 Ft/S
INLET ELEVATION:	595.26
OUTLET ELEVATION:	575.69
STANDARD DRAWING NUMBERS:	STD-15-35
INLET DRAWING NUMBERS:	STD-15-09, STD-15-10
OUTLET DRAWING NUMBERS:	STD-15-09, STD-15-10



TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	76
CONST	2014	36001-3290-14	•
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REV. 9-23-13
ADDED RIPRAP

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 645+96.64

SCALE: 1" = 50'H, 5'V

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

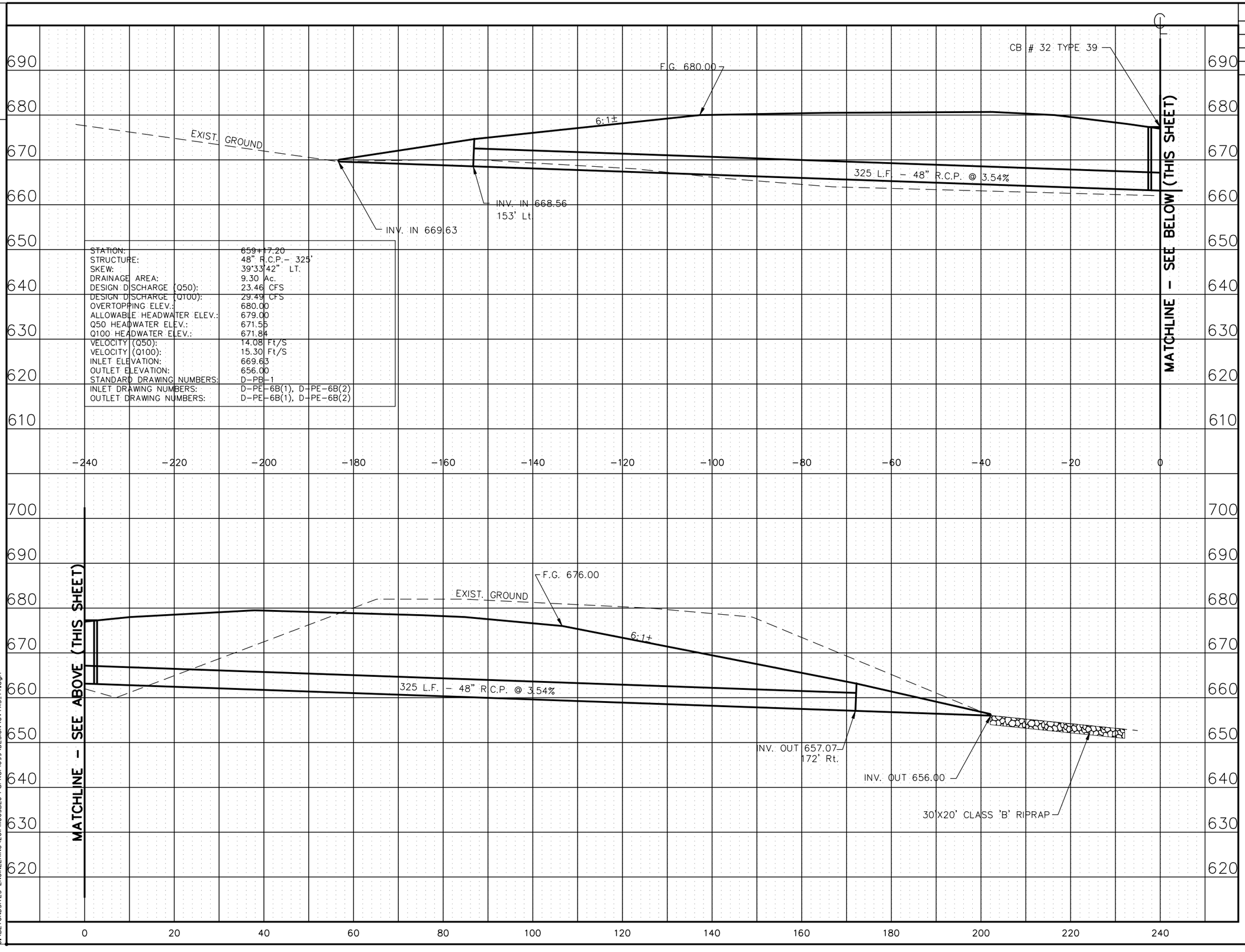
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	77
CONST	2014	36001-3290-14	

REV. 2-24-12

RELOCATED CULVERT AT 659+63 TO STA. 659+17

REV. 9-23-13

ADDED RIPRAP



STATION:	659+17.20
STRUCTURE:	48" R.C.P.– 325'
SKEW:	39°33'42" LT.
DRAINAGE AREA:	9.30 Ac.
DESIGN DISCHARGE (Q50):	23.46 CFS
DESIGN DISCHARGE (Q100):	29.49 CFS
OVERTOPPING ELEV.:	680.00
ALLOWABLE HEADWATER ELEV.:	679.00
Q50 HEADWATER ELEV.:	671.55
Q100 HEADWATER ELEV.:	671.84
VELOCITY (Q50):	14.08 Ft/S
VELOCITY (Q100):	15.30 Ft/S
INLET ELEVATION:	669.63
OUTLET ELEVATION:	656.00
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-6B(1), D-PE-6B(2)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 659+17.20

SCALE: 1" = 50'H, 5'V

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	78
CONST	2014	36001-3290-14	•
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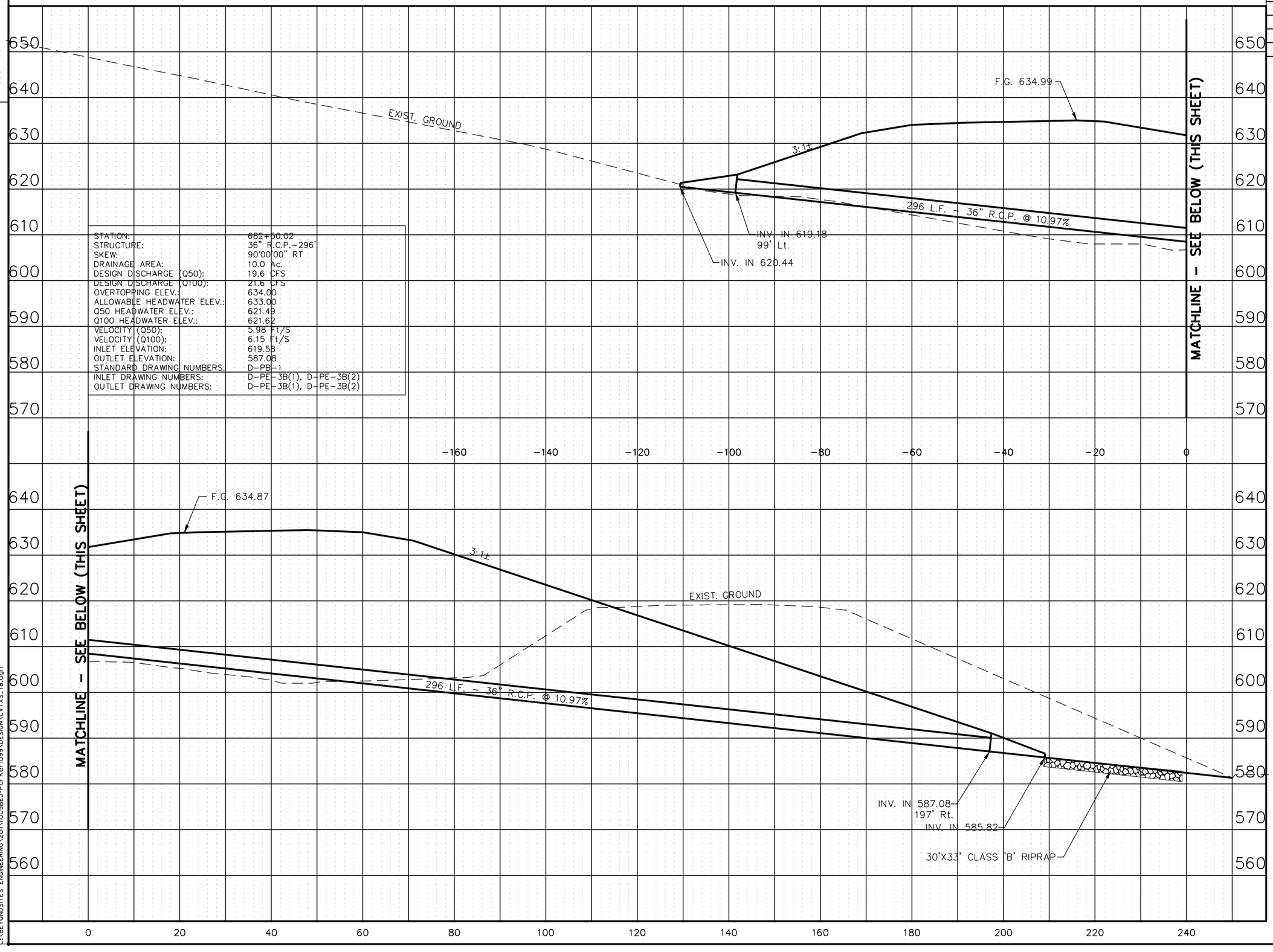
REV. 9-23-13
ADDED RIPRAP



STATION:	682+50.02
STRUCTURE:	36" R.C.P.-296'
SKEW:	90°00'00" RT
DRAINAGE AREA:	10.0 Ac.
DESIGN DISCHARGE (Q50):	19.6 CFS
DESIGN DISCHARGE (Q100):	21.6 CFS
OVERTOPPING ELEV.:	634.00
ALLOWABLE HEADWATER ELEV.:	633.00
Q50 HEADWATER ELEV.:	621.49
Q100 HEADWATER ELEV.:	621.62
VELOCITY (Q50):	5.98 Ft/S
VELOCITY (Q100):	6.15 Ft/S
INLET ELEVATION:	619.53
OUTLET ELEVATION:	587.08
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-3B(1), D-PE-3B(2)
OUTLET DRAWING NUMBERS:	D-PE-3B(1), D-PE-3B(2)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS
•
682+50.02

SCALE: 1" = 50'H, 5'V

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	79
CONST	2014	36001-3290-14	•
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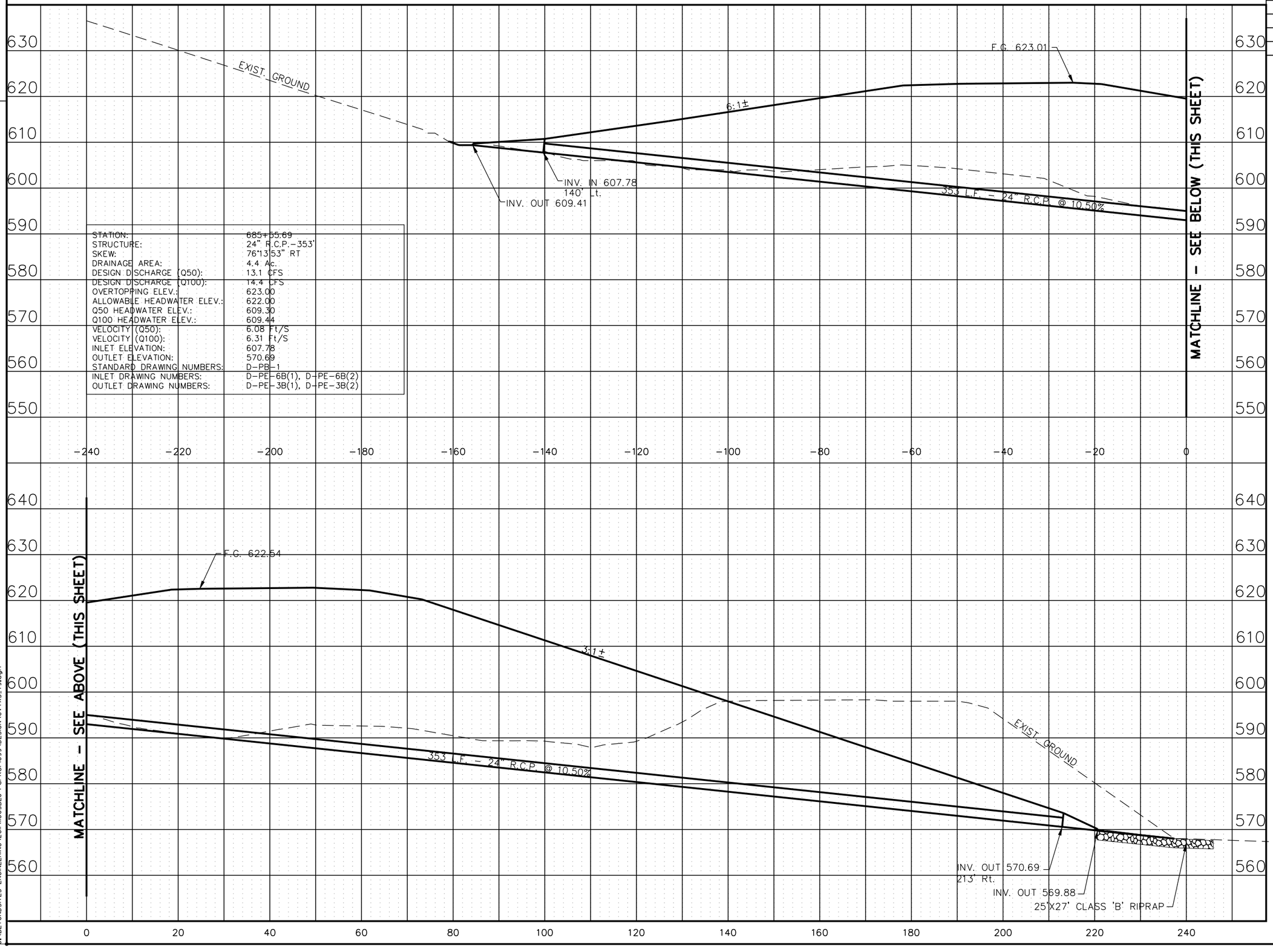
REV. 9-23-13
ADDED RIPRAP



STATION:	685+55.69
STRUCTURE:	24" R.C.P.-353'
SKEW:	76°13'53" RT
DRAINAGE AREA:	4.4 Ac.
DESIGN DISCHARGE (Q50):	13.1 CFS
DESIGN DISCHARGE (Q100):	14.4 CFS
OVERTOPPING ELEV.:	623.00
ALLOWABLE HEADWATER ELEV.:	622.00
Q50 HEADWATER ELEV.:	609.30
Q100 HEADWATER ELEV.:	609.44
VELOCITY (Q50):	6.08 Ft/S
VELOCITY (Q100):	6.31 Ft/S
INLET ELEVATION:	607.78
OUTLET ELEVATION:	570.69
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-3B(1), D-PE-3B(2)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 685+55.69

SCALE: 1" = 50'H, 5'V

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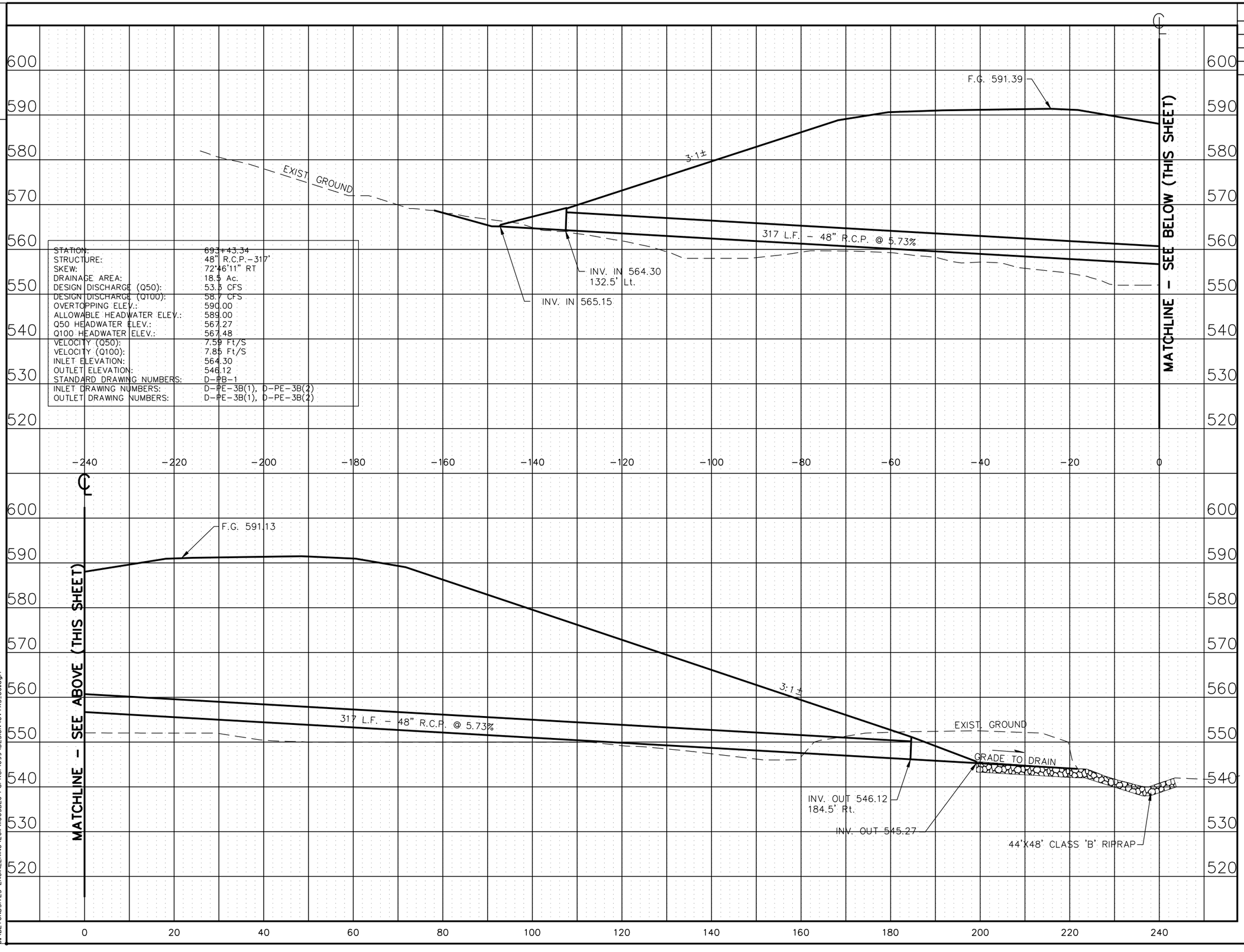
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	80
CONST	2014	36001-3290-14	

REV. 9-23-13
ADDED RIPRAP



STATION:	693+43.34
STRUCTURE:	48" R.C.P.-317'
SKEW:	72°46'11" RT
DRAINAGE AREA:	18.5 Ac.
DESIGN DISCHARGE (Q50):	53.3 CFS
DESIGN DISCHARGE (Q100):	58.7 CFS
OVERTOPPING ELEV.:	590.00
ALLOWABLE HEADWATER ELEV.:	589.00
Q50 HEADWATER ELEV.:	567.27
Q100 HEADWATER ELEV.:	567.48
VELOCITY (Q50):	7.59 Ft/S
VELOCITY (Q100):	7.85 Ft/S
INLET ELEVATION:	564.30
OUTLET ELEVATION:	546.12
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-3B(1), D-PE-3B(2)
OUTLET DRAWING NUMBERS:	D-PE-3B(1), D-PE-3B(2)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 693+43.34

SCALE: 1" = 50'H, 5'V

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	81
CONST	2014	36001-3290-14	•
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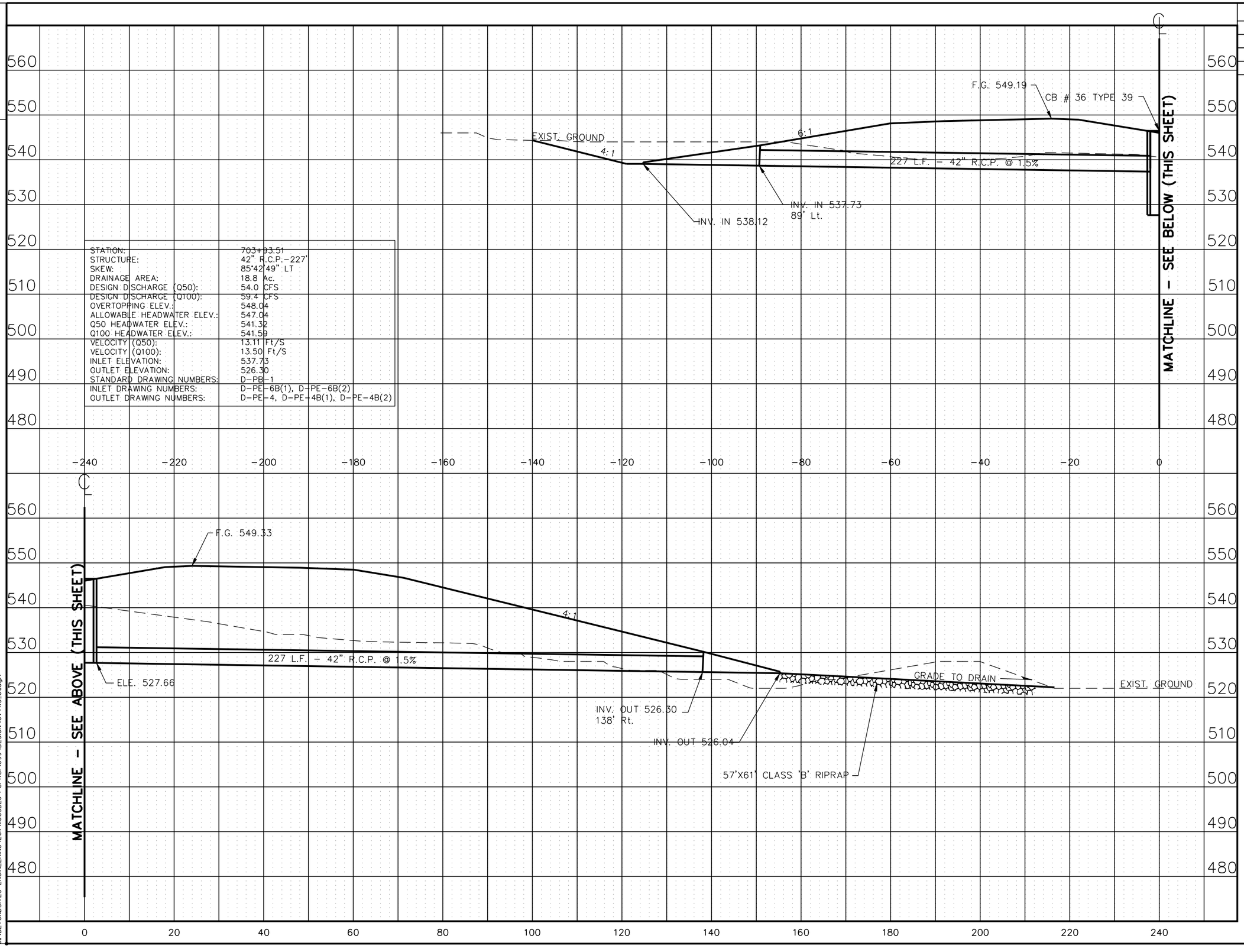
•	•	•	•

REV. 9-23-13
ADDED RIPRAP



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 703+93.51

SCALE: 1" = 50'H, 5'V

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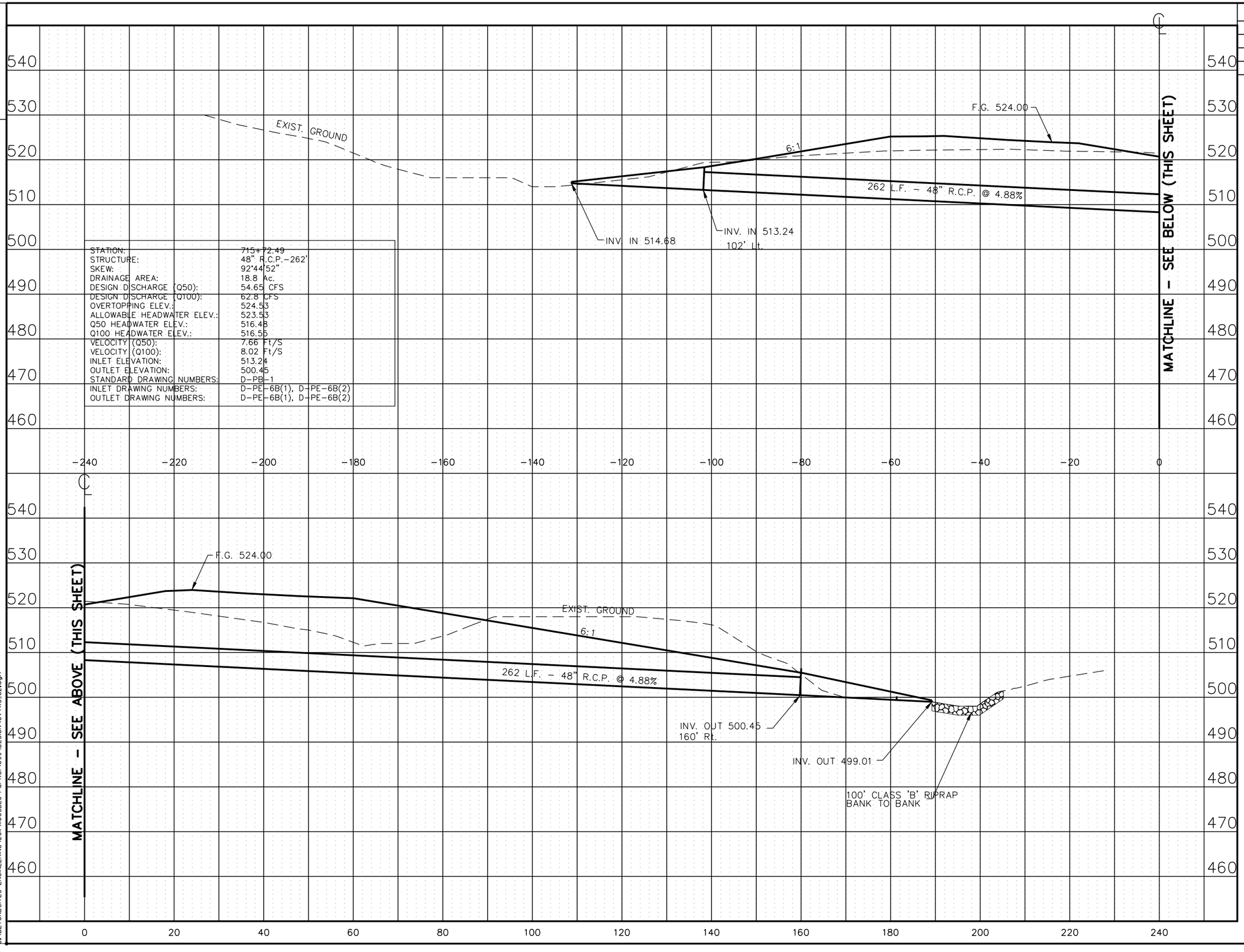
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	82
CONST	2014	36001-3290-14	

REV 9-23-13
ADDED RIPRAP



STATION:	715+72.49
STRUCTURE:	48" R.C.P.-262'
SKEW:	92°44'52"
DRAINAGE AREA:	18.8 Ac.
DESIGN DISCHARGE (Q50):	54.65 CFS
DESIGN DISCHARGE (Q100):	62.8 CFS
OVERTOPPING ELEV.:	524.53
ALLOWABLE HEADWATER ELEV.:	523.53
Q50 HEADWATER ELEV.:	516.48
Q100 HEADWATER ELEV.:	516.55
VELOCITY (Q50):	7.66 Ft/S
VELOCITY (Q100):	8.02 Ft/S
INLET ELEVATION:	513.24
OUTLET ELEVATION:	500.45
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-6B(1), D-PE-6B(2)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 715+72.49

SCALE: 1" = 50'H, 5'V

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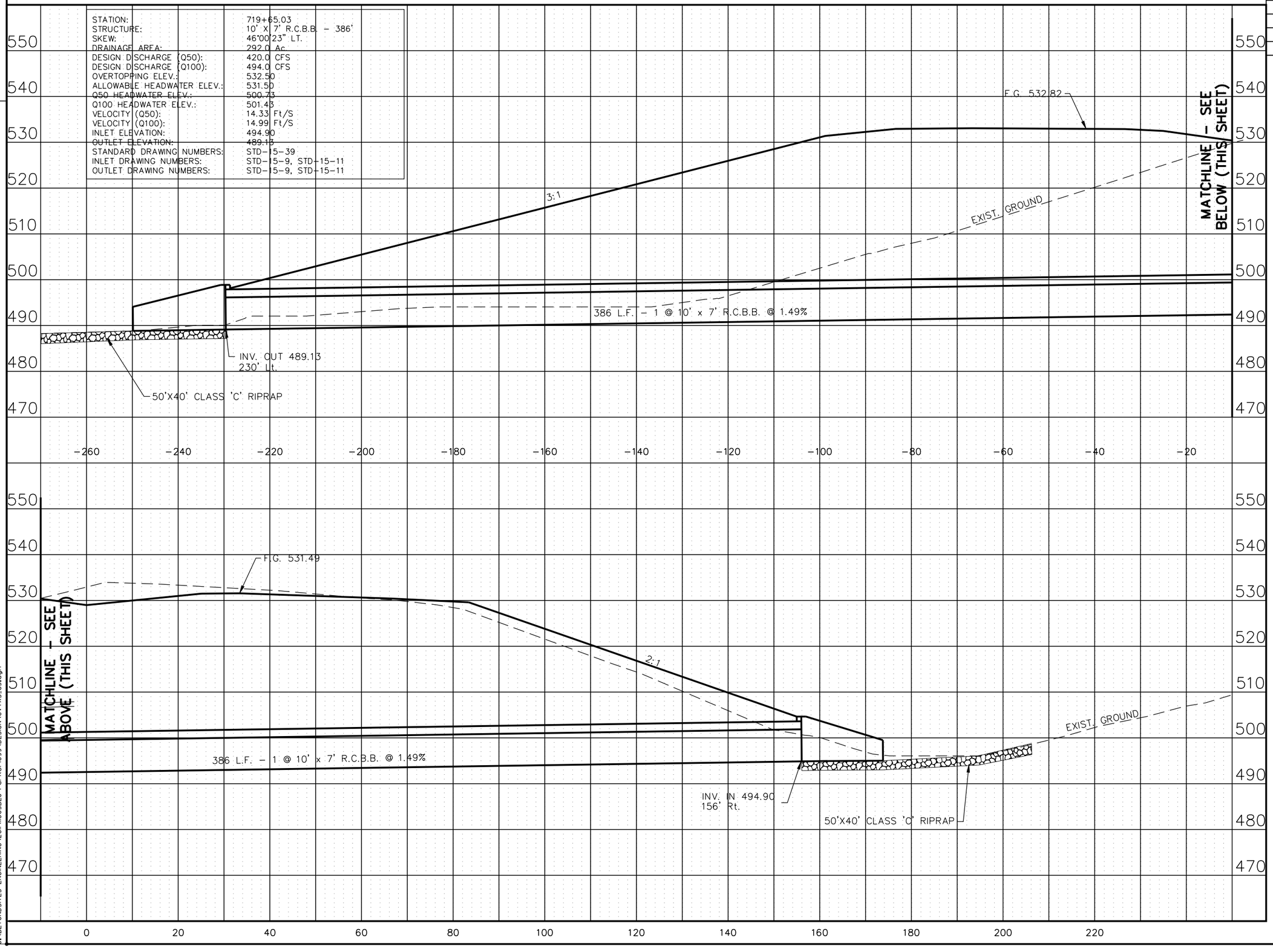
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	83
CONST	2014	36001-3290-14	

REV. 2-24-12
LABELED STREAM TRANSITIONS
REV. 9-4-12
REVISED CULVERT
REV. 9-23-13
ADDED RIPRAP

STATION:	719+65.03
STRUCTURE:	10' X 7' R.C.B.B. - 386'
SKEW:	46°00'23" LT.
DRAINAGE AREA:	292.0 Ac
DESIGN DISCHARGE (Q50):	420.0 CFS
DESIGN DISCHARGE (Q100):	494.0 CFS
OVERTOPPING ELEV.:	532.50
ALLOWABLE HEADWATER ELEV.:	531.50
Q50 HEADWATER ELEV.:	500.73
Q100 HEADWATER ELEV.:	501.43
VELOCITY (Q50):	14.33 Ft/S
VELOCITY (Q100):	14.99 Ft/S
INLET ELEVATION:	494.90
OUTLET ELEVATION:	489.13
STANDARD DRAWING NUMBERS:	STD-15-39
INLET DRAWING NUMBERS:	STD-15-9, STD-15-11
OUTLET DRAWING NUMBERS:	STD-15-9, STD-15-11



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 719+55.00

SCALE: 1" = 50'H, 5'V

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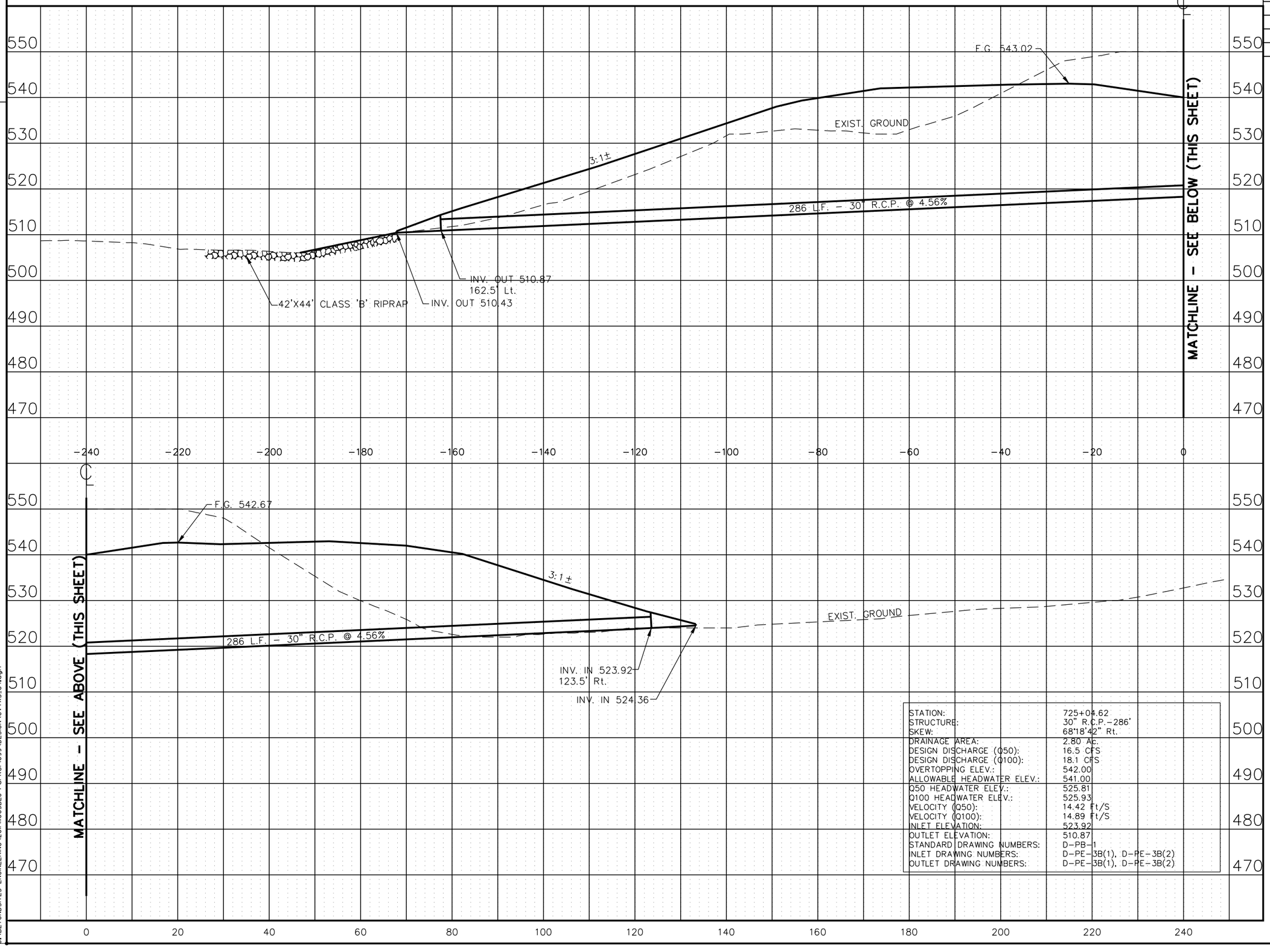
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	84
CONST	2014	36001-3290-14	

REV. 9-23-13

ADDED RIPRAP



STATION:	725+04.62
STRUCTURE:	30" R.C.P.-286'
SKEW:	68°18'42" Rt.
DRAINAGE AREA:	2.80 Ac.
DESIGN DISCHARGE (Q50):	16.5 CFS
DESIGN DISCHARGE (Q100):	18.1 CFS
OVERTOPPING ELEV.:	542.00
ALLOWABLE HEADWATER ELEV.:	541.00
Q50 HEADWATER ELEV.:	525.81
Q100 HEADWATER ELEV.:	525.93
VELOCITY (Q50):	14.42 Ft/S
VELOCITY (Q100):	14.89 Ft/S
INLET ELEVATION:	523.92
OUTLET ELEVATION:	510.87
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-3B(1), D-PE-3B(2)
OUTLET DRAWING NUMBERS:	D-PE-3B(1), D-PE-3B(2)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 725+04.62

SCALE: 1" = 50'H, 5'V

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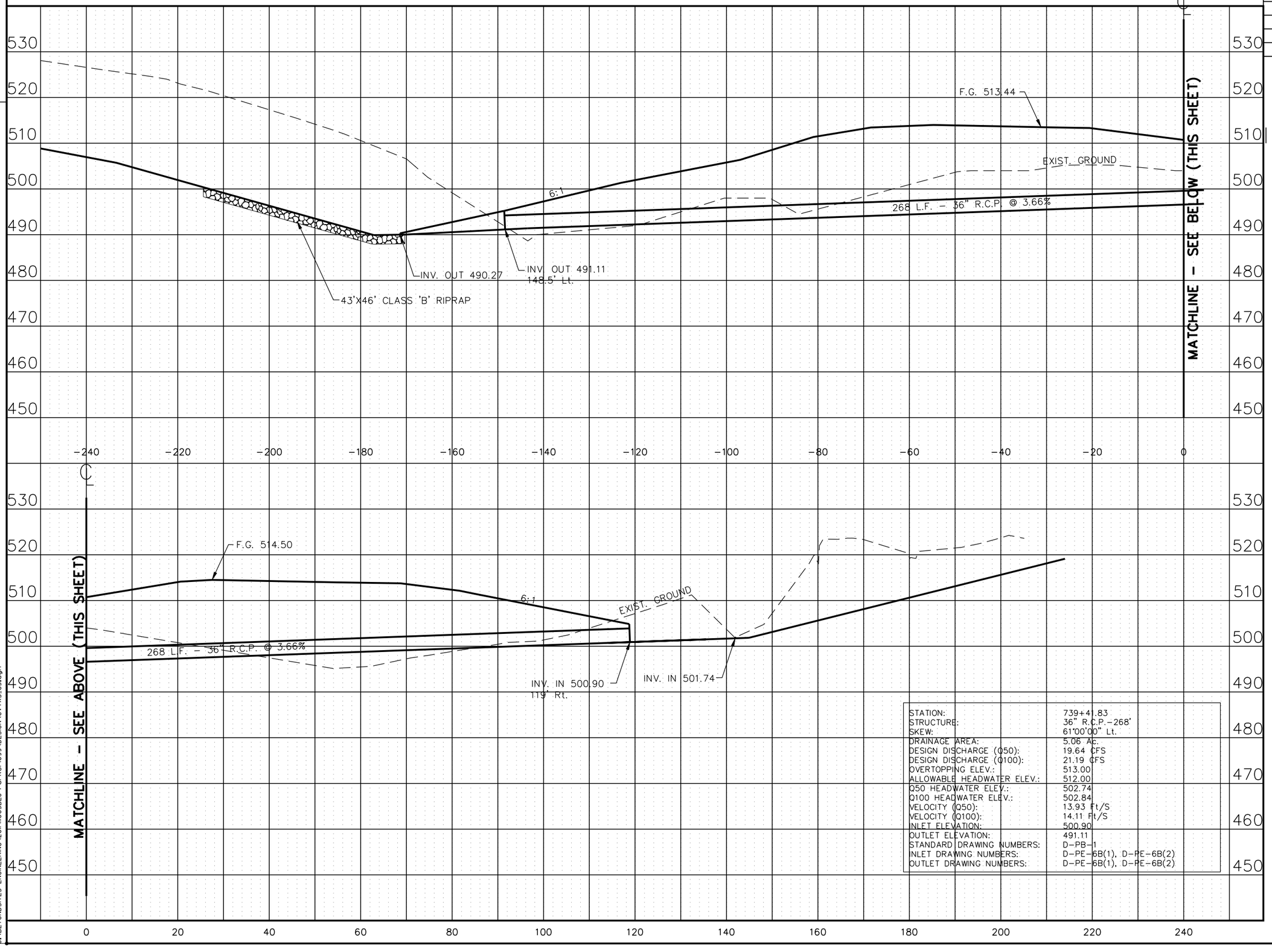
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	85
CONST	2014	36001-3290-14	

REV. 9-23-13
ADDED RIPRAP



STATION:	739+41.83
STRUCTURE:	36" R.C.P.-268'
SKEW:	61°00'00" Lt.
DRAINAGE AREA:	5.06 Ac.
DESIGN DISCHARGE (Q50):	19.64 CFS
DESIGN DISCHARGE (Q100):	21.19 CFS
OVERTOPPING ELEV.:	513.00
ALLOWABLE HEADWATER ELEV.:	512.00
Q50 HEADWATER ELEV.:	502.74
Q100 HEADWATER ELEV.:	502.84
VELOCITY (Q50):	13.93 Ft/S
VELOCITY (Q100):	14.11 Ft/S
INLET ELEVATION:	500.90
OUTLET ELEVATION:	491.11
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-6B(1), D-PE-6B(2)

BIBBEE F. JACKSON II
STATE OF TENNESSEE
12/16/2014

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 739+41.83

SCALE: 1" = 50'H, 5'V

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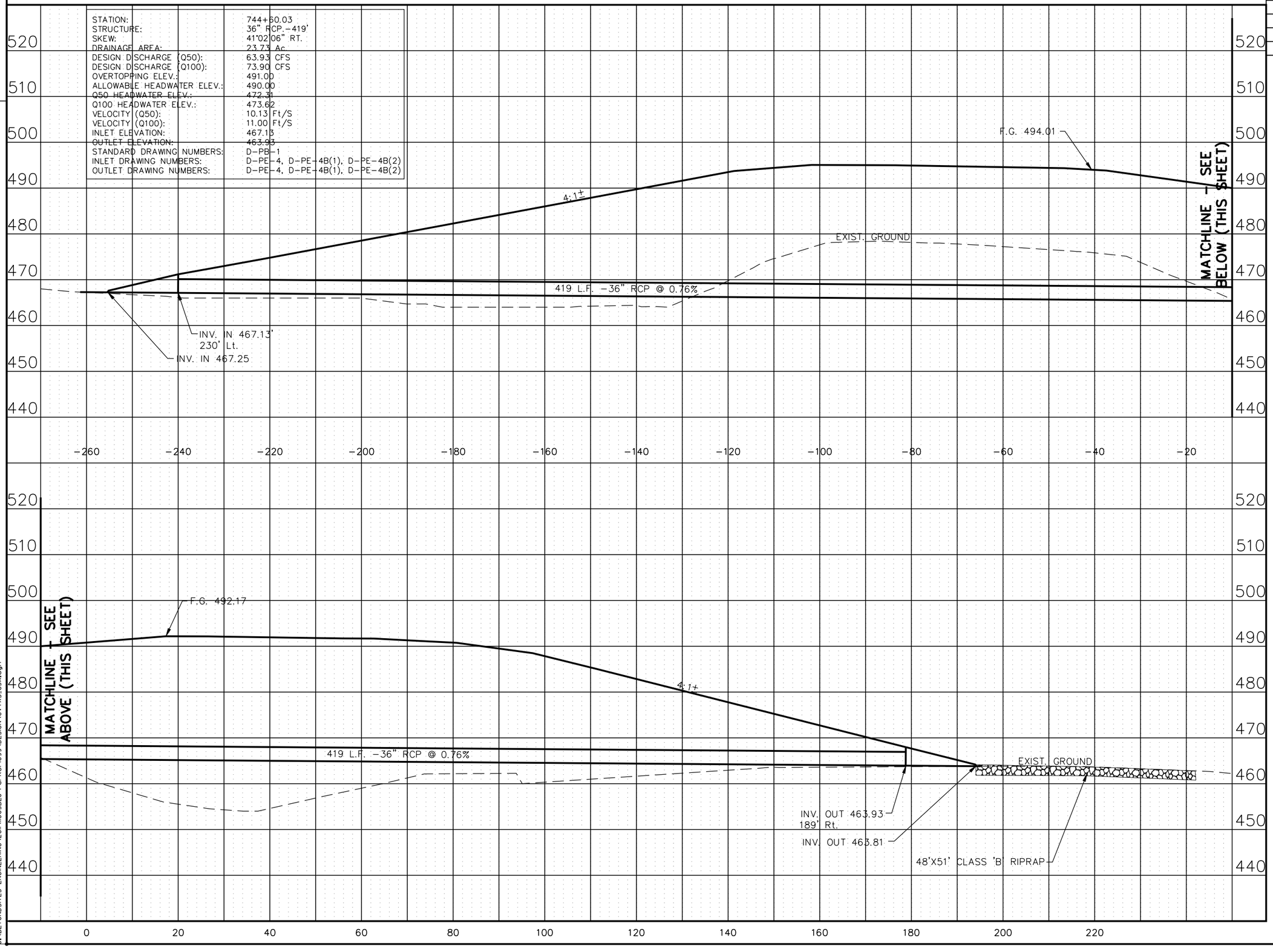
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	85A
CONST	2014	36001-3290-14	

REV. 9-23-13
ADDED RIPRAP

STATION:	744+60.03
STRUCTURE:	36" RCP.-419'
SKEW:	41°02'06" RT.
DRAINAGE AREA:	23.73 Ac.
DESIGN DISCHARGE (Q50):	63.93 CFS
DESIGN DISCHARGE (Q100):	73.90 CFS
OVERTOPPING ELEV.:	491.00
ALLOWABLE HEADWATER ELEV.:	490.00
Q50 HEADWATER ELEV.:	472.31
Q100 HEADWATER ELEV.:	473.62
VELOCITY (Q50):	10.13 Ft/S
VELOCITY (Q100):	11.00 Ft/S
INLET ELEVATION:	467.13
OUTLET ELEVATION:	463.93
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-4, D-PE-4B(1), D-PE-4B(2)
OUTLET DRAWING NUMBERS:	D-PE-4, D-PE-4B(1), D-PE-4B(2)



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

STA. 744+60.03

SCALE: 1" = 50'H, 5'V

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	85B
CONST	2014	36001-3290-14	•
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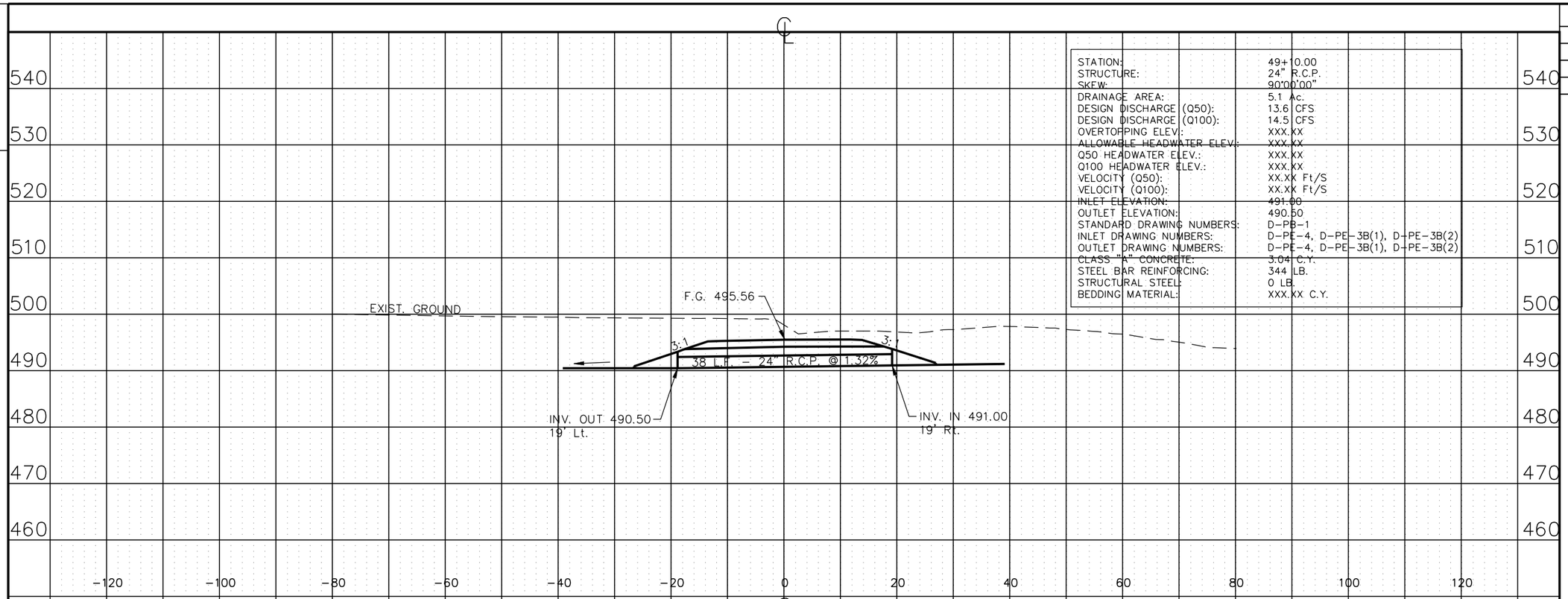
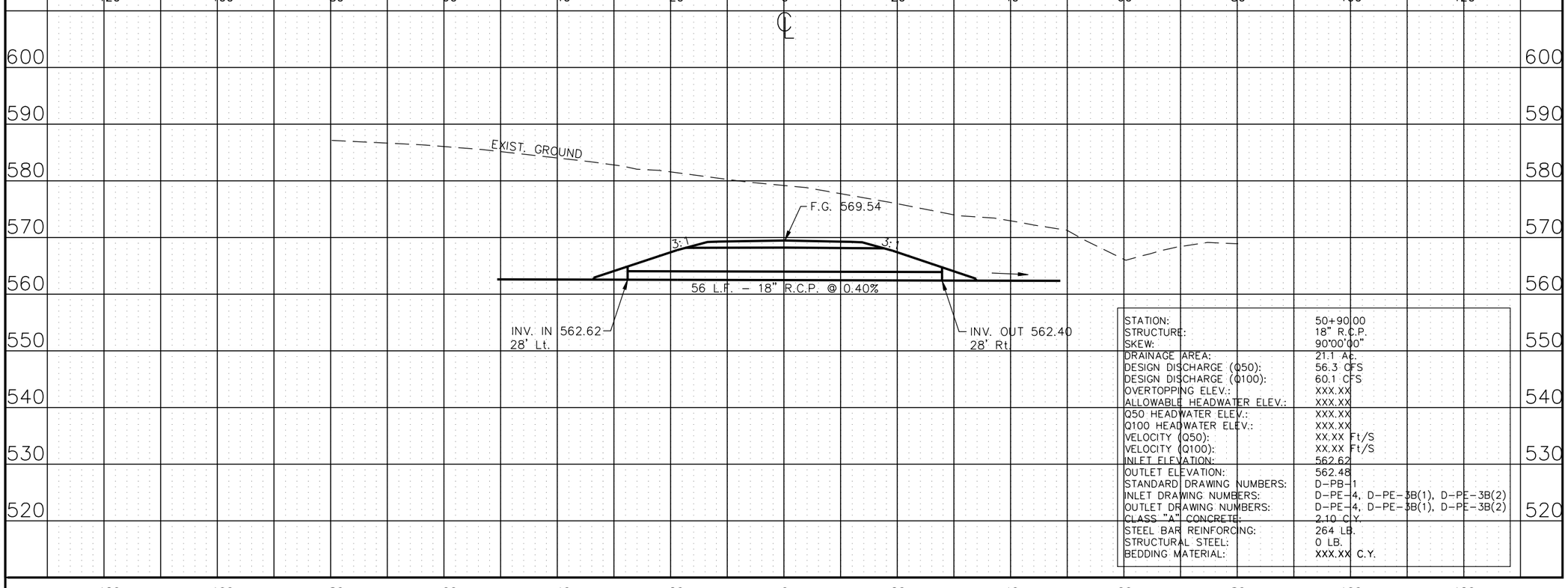
11-12-12

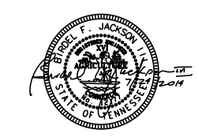
REVISED CULVERT AT STA 50+90



STATION:	49+10.00
STRUCTURE:	24" R.C.P.
SKEW:	90°00'00"
DRAINAGE AREA:	5.1 Ac.
DESIGN DISCHARGE (Q50):	13.6 CFS
DESIGN DISCHARGE (Q100):	14.5 CFS
OVERTOPPING ELEV.:	XXX.XX
ALLOWABLE HEADWATER ELEV.:	XXX.XX
Q50 HEADWATER ELEV.:	XXX.XX
Q100 HEADWATER ELEV.:	XXX.XX
VELOCITY (Q50):	XX.XX Ft/S
VELOCITY (Q100):	XX.XX Ft/S
INLET ELEVATION:	491.00
OUTLET ELEVATION:	490.50
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-4, D-PE-3B(1), D-PE-3B(2)
OUTLET DRAWING NUMBERS:	D-PE-4, D-PE-3B(1), D-PE-3B(2)
CLASS "A" CONCRETE:	3.04 C.Y.
STEEL BAR REINFORCING:	344 LB.
STRUCTURAL STEEL:	0 LB.
BEDDING MATERIAL:	XXX.XX C.Y.



STATION:	50+90.00
STRUCTURE:	18" R.C.P.
SKEW:	90°00'00"
DRAINAGE AREA:	21.1 Ac.
DESIGN DISCHARGE (Q50):	56.3 CFS
DESIGN DISCHARGE (Q100):	60.1 CFS
OVERTOPPING ELEV.:	XXX.XX
ALLOWABLE HEADWATER ELEV.:	XXX.XX
Q50 HEADWATER ELEV.:	XXX.XX
Q100 HEADWATER ELEV.:	XXX.XX
VELOCITY (Q50):	XX.XX Ft/S
VELOCITY (Q100):	XX.XX Ft/S
INLET ELEVATION:	562.62
OUTLET ELEVATION:	562.48
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-4, D-PE-3B(1), D-PE-3B(2)
OUTLET DRAWING NUMBERS:	D-PE-4, D-PE-3B(1), D-PE-3B(2)
CLASS "A" CONCRETE:	2.10 C.Y.
STEEL BAR REINFORCING:	264 LB.
STRUCTURAL STEEL:	0 LB.
BEDDING MATERIAL:	XXX.XX C.Y.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS
STANFILL LANE
STA. 49+10.00
HIDDEN CAVE LANE
STA. 50+90.00
SCALE: 1" = 50'H, 5'V

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	85C
CONST	2014	36001-3290-14	•
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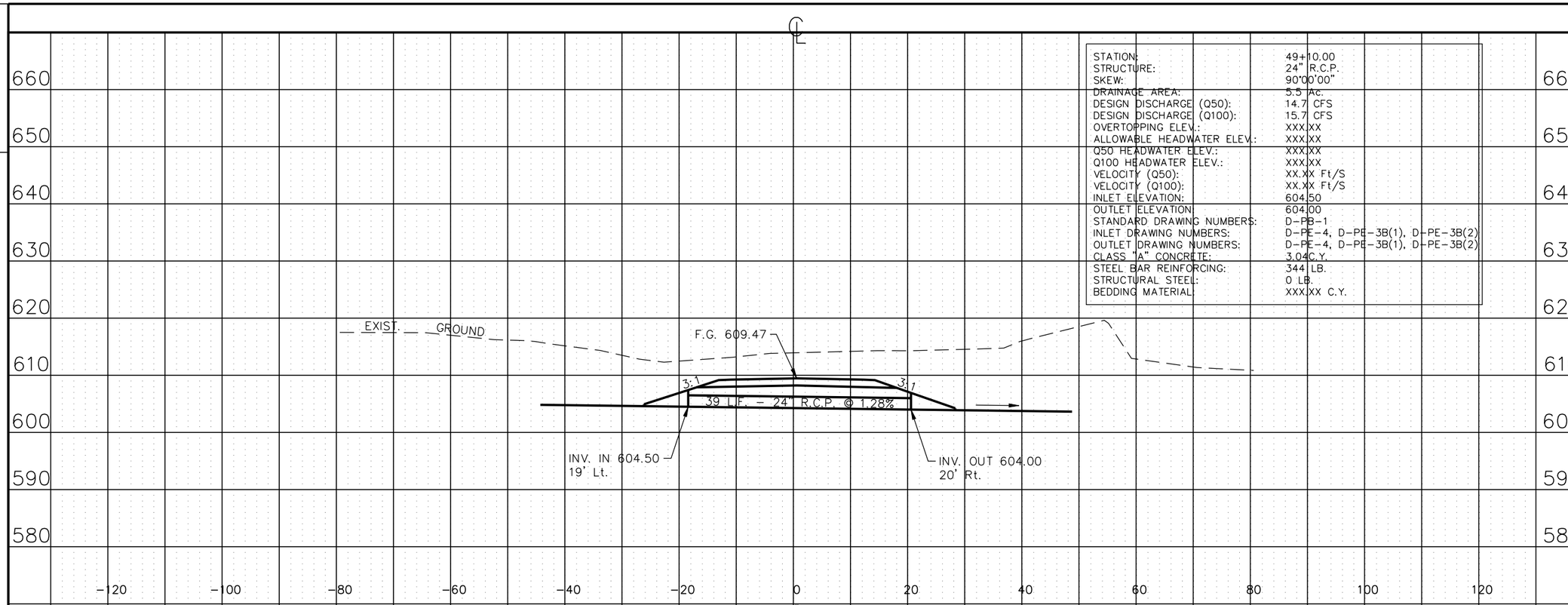
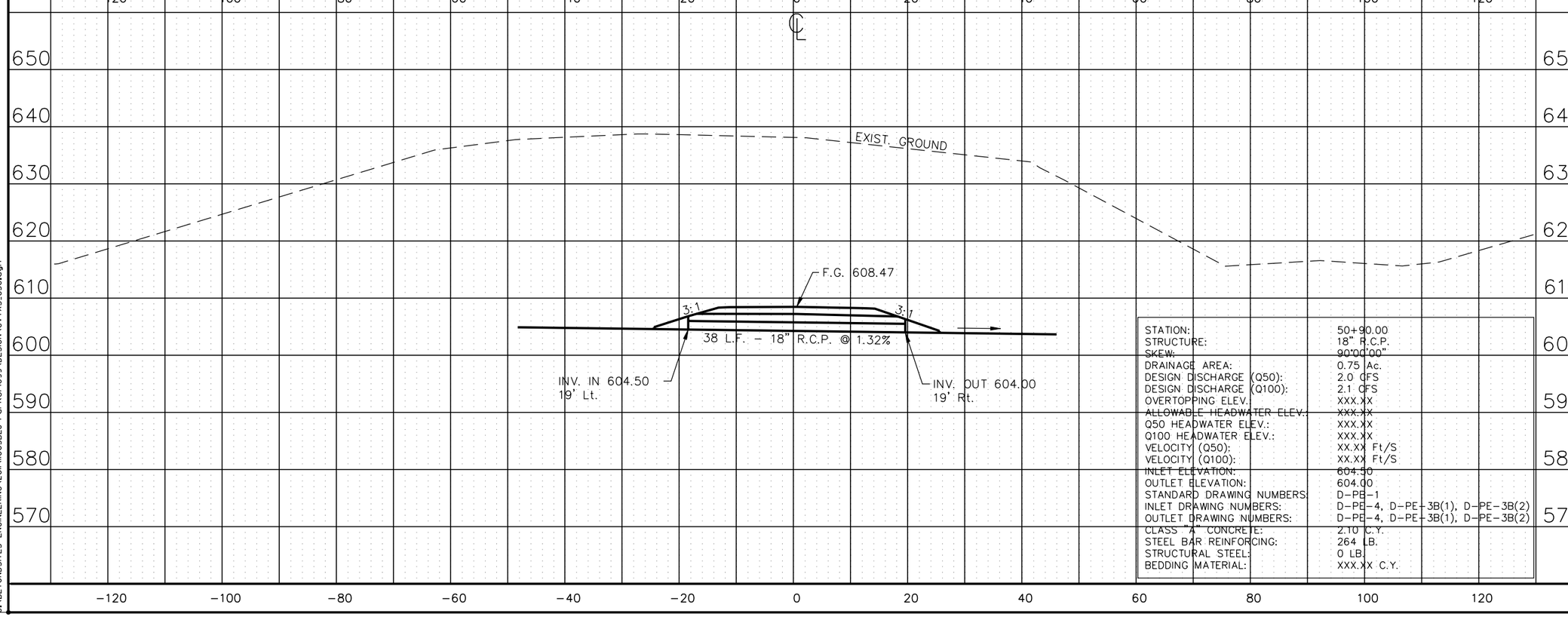


STATION:	49+10.00
STRUCTURE:	24" R.C.P.
SKEW:	90°00'00"
DRAINAGE AREA:	5.5 Ac.
DESIGN DISCHARGE (Q50):	14.7 CFS
DESIGN DISCHARGE (Q100):	15.7 CFS
OVERTOPPING ELEV.:	XXX.XX
ALLOWABLE HEADWATER ELEV.:	XXX.XX
Q50 HEADWATER ELEV.:	XXX.XX
Q100 HEADWATER ELEV.:	XXX.XX
VELOCITY (Q50):	XX.XX Ft/S
VELOCITY (Q100):	XX.XX Ft/S
INLET ELEVATION:	604.50
OUTLET ELEVATION	604.00
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-4, D-PE-3B(1), D-PE-3B(2)
OUTLET DRAWING NUMBERS:	D-PE-4, D-PE-3B(1), D-PE-3B(2)
CLASS "A" CONCRETE:	3.04 C.Y.
STEEL BAR REINFORCING:	344 LB.
STRUCTURAL STEEL:	0 LB.
BEDDING MATERIAL	XXX.XX C.Y.



STATION:	50+90.00
STRUCTURE:	18" R.C.P.
SKEW:	90°00'00"
DRAINAGE AREA:	0.75 Ac.
DESIGN DISCHARGE (Q50):	2.0 CFS
DESIGN DISCHARGE (Q100):	2.1 CFS
OVERTOPPING ELEV.	XXX.XX
ALLOWABLE HEADWATER ELEV.:	XXX.XX
Q50 HEADWATER ELEV.:	XXX.XX
Q100 HEADWATER ELEV.:	XXX.XX
VELOCITY (Q50):	XX.XX Ft/S
VELOCITY (Q100):	XX.XX Ft/S
INLET ELEVATION:	604.50
OUTLET ELEVATION:	604.00
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-4, D-PE-3B(1), D-PE-3B(2)
OUTLET DRAWING NUMBERS:	D-PE-4, D-PE-3B(1), D-PE-3B(2)
CLASS "A" CONCRETE:	2.10 C.Y.
STEEL BAR REINFORCING:	264 LB.
STRUCTURAL STEEL:	0 LB.
BEDDING MATERIAL:	XXX.XX C.Y.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS
SMITH FORK ROAD
STA. 49+10.00
LONESOME PINE ROAD
STA. 50+90.00
SCALE: 1" = 50'H, 5'V

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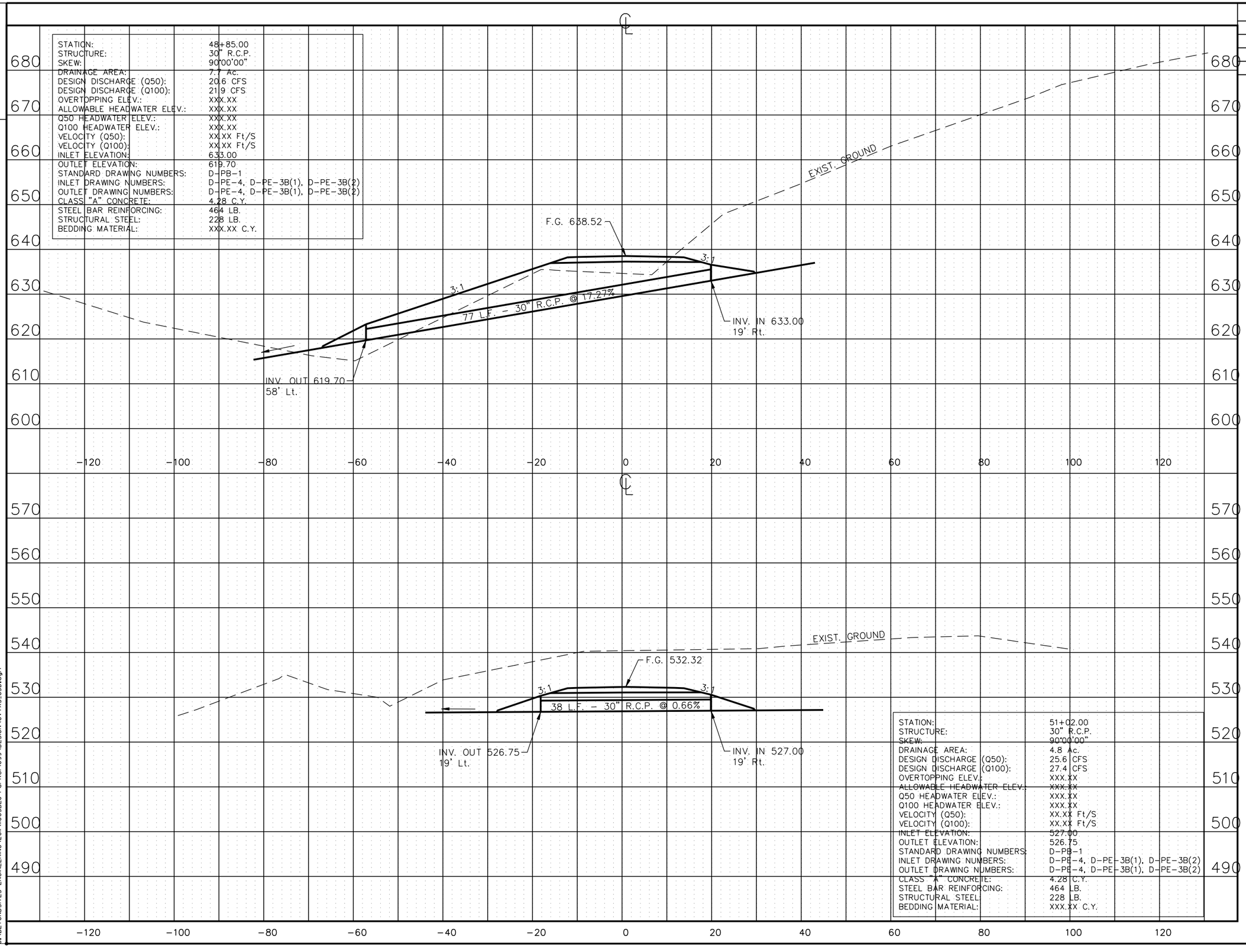
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	85D
CONST	2014	36001-3290-14	•
•	•	•	•
•	•	•	•

STATION:	48+85.00
STRUCTURE:	30" R.C.P.
SKEW:	90°00'00"
DRAINAGE AREA:	7.7 Ac.
DESIGN DISCHARGE (Q50):	20.6 CFS
DESIGN DISCHARGE (Q100):	21.9 CFS
OVERTOPPING ELEV.:	XXX.XX
ALLOWABLE HEADWATER ELEV.:	XXX.XX
Q50 HEADWATER ELEV.:	XXX.XX
Q100 HEADWATER ELEV.:	XXX.XX
VELOCITY (Q50):	XX.XX Ft/S
VELOCITY (Q100):	XX.XX Ft/S
INLET ELEVATION:	633.00
OUTLET ELEVATION:	619.70
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-4, D-PE-3B(1), D-PE-3B(2)
OUTLET DRAWING NUMBERS:	D-PE-4, D-PE-3B(1), D-PE-3B(2)
CLASS "A" CONCRETE:	4.28 C.Y.
STEEL BAR REINFORCING:	464 LB.
STRUCTURAL STEEL:	228 LB.
BEDDING MATERIAL:	XXX.XX C.Y.



STATION:	51+02.00
STRUCTURE:	30" R.C.P.
SKEW:	90°00'00"
DRAINAGE AREA:	4.8 Ac.
DESIGN DISCHARGE (Q50):	25.6 CFS
DESIGN DISCHARGE (Q100):	27.4 CFS
OVERTOPPING ELEV.:	XXX.XX
ALLOWABLE HEADWATER ELEV.:	XXX.XX
Q50 HEADWATER ELEV.:	XXX.XX
Q100 HEADWATER ELEV.:	XXX.XX
VELOCITY (Q50):	XX.XX Ft/S
VELOCITY (Q100):	XX.XX Ft/S
INLET ELEVATION:	527.00
OUTLET ELEVATION:	526.75
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-4, D-PE-3B(1), D-PE-3B(2)
OUTLET DRAWING NUMBERS:	D-PE-4, D-PE-3B(1), D-PE-3B(2)
CLASS "A" CONCRETE:	4.28 C.Y.
STEEL BAR REINFORCING:	464 LB.
STRUCTURAL STEEL:	228 LB.
BEDDING MATERIAL:	XXX.XX C.Y.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS
MYSTIC SPRINGS ROAD
STA. 48+85.00
OLD SCHOOL HOUSE ROAD
STA. 51+02.00
SCALE: 1" = 50'H, 5'V

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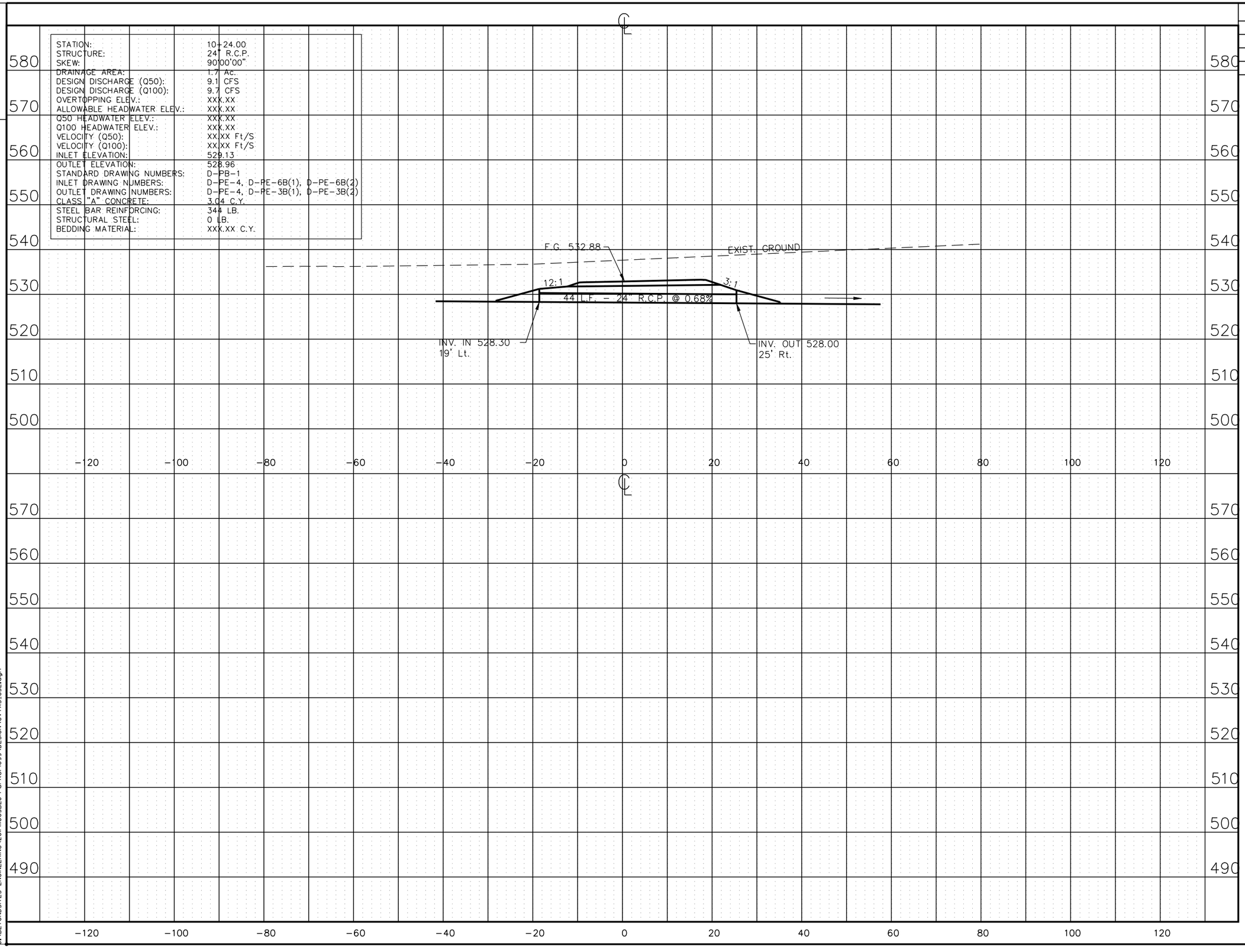
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

STATION:	10+24.00
STRUCTURE:	24" R.C.P.
SKEW:	90°00'00"
DRAINAGE AREA:	1.7 Ac.
DESIGN DISCHARGE (Q50):	9.1 CFS
DESIGN DISCHARGE (Q100):	9.7 CFS
OVERTOPPING ELEV.:	XXX.XX
ALLOWABLE HEADWATER ELEV.:	XXX.XX
Q50 HEADWATER ELEV.:	XXX.XX
Q100 HEADWATER ELEV.:	XXX.XX
VELOCITY (Q50):	XX.XX Ft/S
VELOCITY (Q100):	XX.XX Ft/S
INLET ELEVATION:	529.13
OUTLET ELEVATION:	528.96
STANDARD DRAWING NUMBERS:	D-PB-1
INLET DRAWING NUMBERS:	D-PE-4, D-PE-6B(1), D-PE-6B(2)
OUTLET DRAWING NUMBERS:	D-PE-4, D-PE-3B(1), D-PE-3B(2)
CLASS "A" CONCRETE:	3.04 C.Y.
STEEL BAR REINFORCING:	344 LB.
STRUCTURAL STEEL:	0 LB.
BEDDING MATERIAL:	XXX.XX C.Y.



TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2008	NHE-15(108)	85E
CONST	2014	36001-3290-14	•
•	•	•	•
•	•	•	•

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

OLD SCHOOL ACCESS ROAD
STA. 10+24.00

SCALE: 1" = 50'H, 5'V

3/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	86
CONST	2014	36001-3290-14	

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.

NPDES

(2) 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 EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES, HAS BEEN ACCEPTED BY THE ENGINEER. THE CONTRACTOR'S EPSC PLAN SHALL INCORPORATE AND SUPPLEMENT, AS ACCEPTABLE, THE BASIC EROSION PREVENTION AND SEDIMENT CONTROL DEVICES ON THE EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLAN, CONTAINED IN THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP), TO PROVIDE ACCEPTABLE EROSION PREVENTION AND SEDIMENT CONTROLS DURING ALL STAGES OF CONSTRUCTION.

(3) THE EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES AND/OR PLAN SHALL BE MODIFIED AS NECESSARY SO THAT THEY ARE EFFECTIVE AT ALL TIMES THROUGHOUT THE COURSE OF THE PROJECT.

(4) THE ACCEPTED EPSC PLAN SHALL REQUIRE THAT EROSION PREVENTION AND SEDIMENT CONTROL (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 EROSION PREVENTION AND SEDIMENT CONTROL DEVICES IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE STORM WATER POLLUTION PREVENTION PLAN (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 EROSION PREVENTION AND SEDIMEMENT CONTROL PLAN 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 EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

(5) 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 PERRENIAL VEGETATION OR OTHER PERMANENTLT STABLE NON-ERODING SURFACE SHALL REPLACE ANY TEMPORARY MEASURES AS SOON AS PRACTICABLE. UNPACKED GRAVEL CONTAINING FINES (SILT AND CLAY SIZED PARTICLES) OR CRUSHER RUNS WILL NOT BE CONSIDERED A NON-ERODIBLE SURFACE.

SPECIES NOTES
(6) TREE CUTTING FOR ANY PROECT RELATED ACTIVITY SHALL NOT TAKE PLACE BETWEEN MARCH 31 AND OCTOBER 15 OF ANY YEAR DUE TO THE PRESENCE OF SUMMER ROOST HABITAT FOR THE FEDERALLY ENDANGERED INDIANA BAT (MYOTIS SODALIS). TREES MAY BE CUT ONLY DURING THE WINTER MONTHS BETWEEN OCTOBER 15 AND MARCH 31.

UTILITY RELOCATION

(7) RAIN WATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A TEMPORARY DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND MAINTAINED.

(8) 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.

(9) 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).

(10) 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.

(11) 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.

(12) 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 POLLUTION PREVENTION PLAN (SWPPP). THE STATE CONTRACTOR IS RESPONSIBLE FOR EPSC MEASURES RELATED TO UTILITY CONSTRUCTION INCLUDED IN THE STATE CONTRACT WORK.

(13) 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.

(14) FOR THE INSTALLATION OF UNDERGROUND UTILITIES OUTSIDE OF THE TDOT ROW, TEMPORARY 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.

(15) THE UTILITY CONTRACTOR SHALL RESTORE ALL AFFECTED WET WEATHER CONVEYANCES TO THE EXISTING TOPOGRAPHIC CONDITIONS (AS APPROVED BY THE TDOT PROJECT ENGINEER).

(16) THE UTILITY CONTRACTOR WILL PROVIDE APPROPRIATE EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES TO REPLACE IN-PLACE EPSC MEASURES REMOVED TO FACILITATE THE INSTALLATION OF UTILITIES. REPLACEMENT OF EPSC MEASURES WILL BE COORDINATED WITH THE TDOT PROJECT ENGINEER BEFORE COMMENCING WORK.

POLYACRYLAMIDE

(17) ENSURE POLYACRYLAMIDE (PAM) EMULSIONS AND POWDERS ARE OF THE ANIONIC TYPE AND MEET THE FOLLOWING REQUIREMENTS:

(18) MEETS THE EPA AND FDA ACRYLABIDE MONOMER LIMITS OF EQUAL TO OR GREATER THAN 0.005% ACRYLAMIDE MONOMER

(19) HAS A DENSITY OF 10% TO 55% BY WEIGHT AND A MOLECULAR WEIGHT OF 16 TO 24 MG/MOLE

(20) MIXTURE IN NON-COMBUSTIBLE

(21) CONTAINS ONLY MANUFACTURED RECOMMENDED ADDITIVES

(22) PAM SHALL BE MIXED AND APPLIED IN ACCORDANCE WITH ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) MATERIAL SAFETY DATA SHEET (MSDS) REQUIREMENTS AND THE MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIED USED CONFORMING TO ALL FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS.

(23) ALL VENDORS AND SUPPLIERS OF PAM, PAM MIX, OR PAM BLENDS SHALL PRESENT OR SUPPLY A WRITTEN TOXICITY REPORT WHICH VERIFIES THAT THE PAM, PAM MIX, PAM BLEND EXHIBITS ACCEPTABLE TOXICITY PARAMETERS WHICH MEET OR EXCEED THE EPA STANDARDS. WHOLE EFFLUENT TESTING DOES NOT MEET THIS REQUIREMENT AS PRIMARY REACTIONS HAVE OCCURRED AND TOXIC POTENTIALS HAVE BEEN REDUCED. CATIONIC FORMS OF PAM ARE NOT ALLOWED FOR UNDER THIS GUIDELINE DUE TO THEIR HIGH LEVELS OF TOXICITY TO AQUATIC ORGANISMS. PAM EMULSIONS SHALL NEVER BE APPLIED DIRECTLY TO STORMWATER RUNOFF OR RIPARIAN WATERS DUE TO SURFACTANT TOXICITY. CONTRACTOR MUST SEEK THE APPROVAL OF THE EPSC DESIGN ENGINEER AND TDOT IF CHITOSAN IS PROPOSED FOR USE ON THIS PROJECT.

(24) ALL VENDORS AND SUPPLIERS OF PAM, PAM MIX, OR PAM BLENDS SHALL SUPLLY WRITTEN "SITE SPECIFIC" TESTING RESULTS DEMONSTRATING THAT A PERFORMANCE OF 95% OR GREATER REDUCTION OF NTU OR TSS FROM STORMWATER DISCHARGES.

(25) EMULSION BATCHES SHALL BE MIXED FOLLOWING RECOMMENDATIONS OF A TESTING LABORATORY THAT DETERMINES THE PROPER PRODUCT AND RATE TO MEET SITE REQUIREMENTS. APPLICATION METHOD SHALL ENSURE UNIFORM COVERAGE TO THE TARGET AREA. EMULSIONS SHALL NEVER BE APPLIED DIRECTLY TO STORMWATER RUNOFF OR RIPARIAN WATERS.

(26) PAM POWDER MAY BE APPLIED BY A HAND SPREADER OR A MECHANICAL SPREADER. MIXING PAM POWDER WITH DRY SILICA SAND WILL AID IN SPREADING.

(27) PREMIXING OF PAM POWDER INTO FERTILIZER, SEED, OR OTHER SOIL AMENDMENTS IS ALLOWED WHEN SPECIFIED IN THE DESIGN PLAN. APPLICATION METHOD SHALL ENSURE UNIFORM COVERAGE TO THE TARGET AREA.

(28) PAM LOGS OR BLOCKS SHALL BE APPLIED FOLLOWING SITE TESTING RESULTS TO ENSURE PROPER PLACEMENT AND PERFORMANCE AND SHALL MEET OR EXCEED STATE AND FEDERAL WATER QUALITY REQUIREMENTS.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

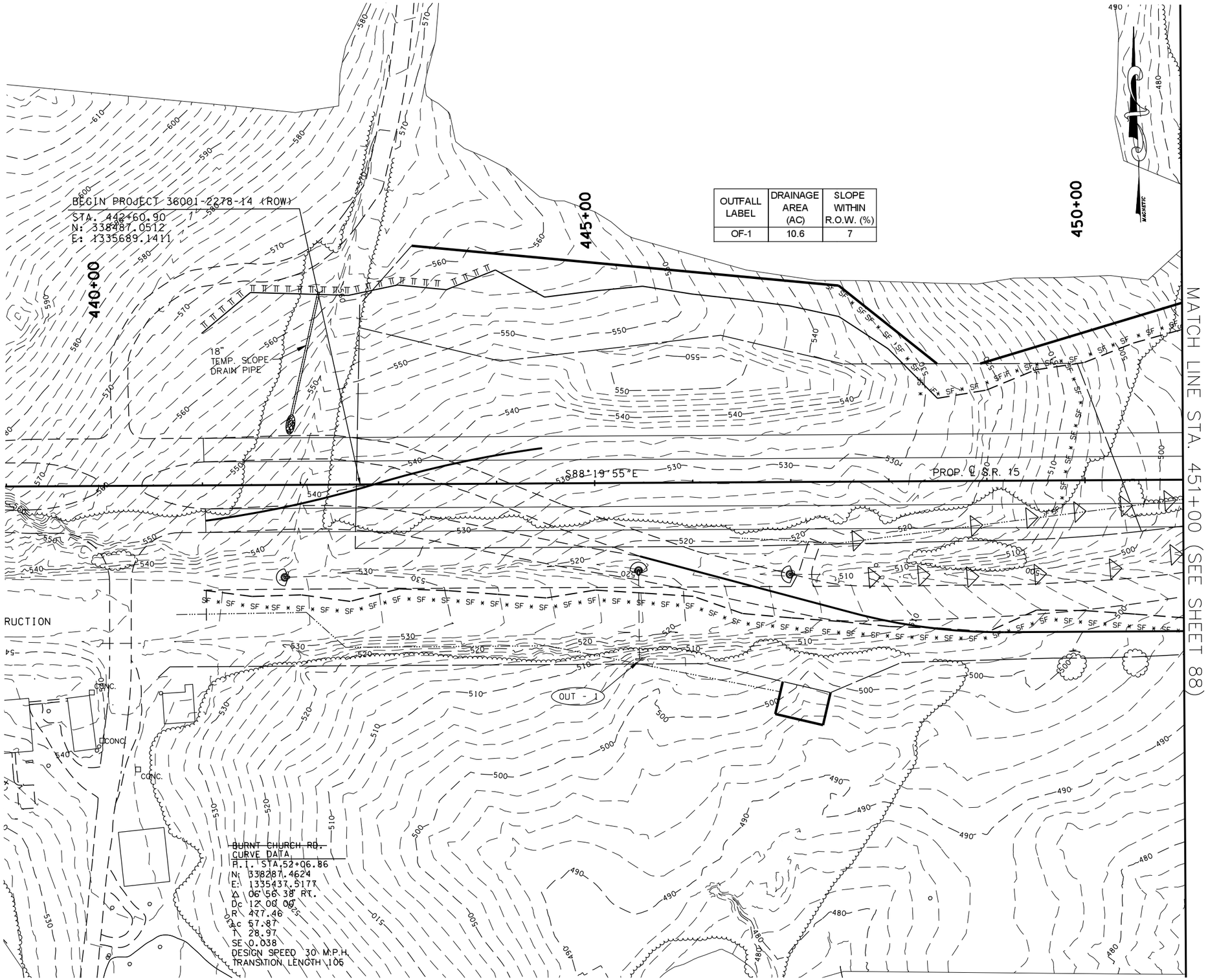
S.R. 15(U.S. HWY 64)
EROSION CONTROL
NOTES

NOT TO SCALE

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	87
CONST	2014	36001-3290-14	87



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-1	10.6	7

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SF SF SF	SILT FENCE	EC-STR-3B
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27
	RIPRAP	EC-STR-27

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

BIRDIE F. JACKSON III
ARCHITECT
STATE OF TENNESSEE
8-19-2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 420+00 TO 451+00
SCALE: 1" = 50'

8/9/2014
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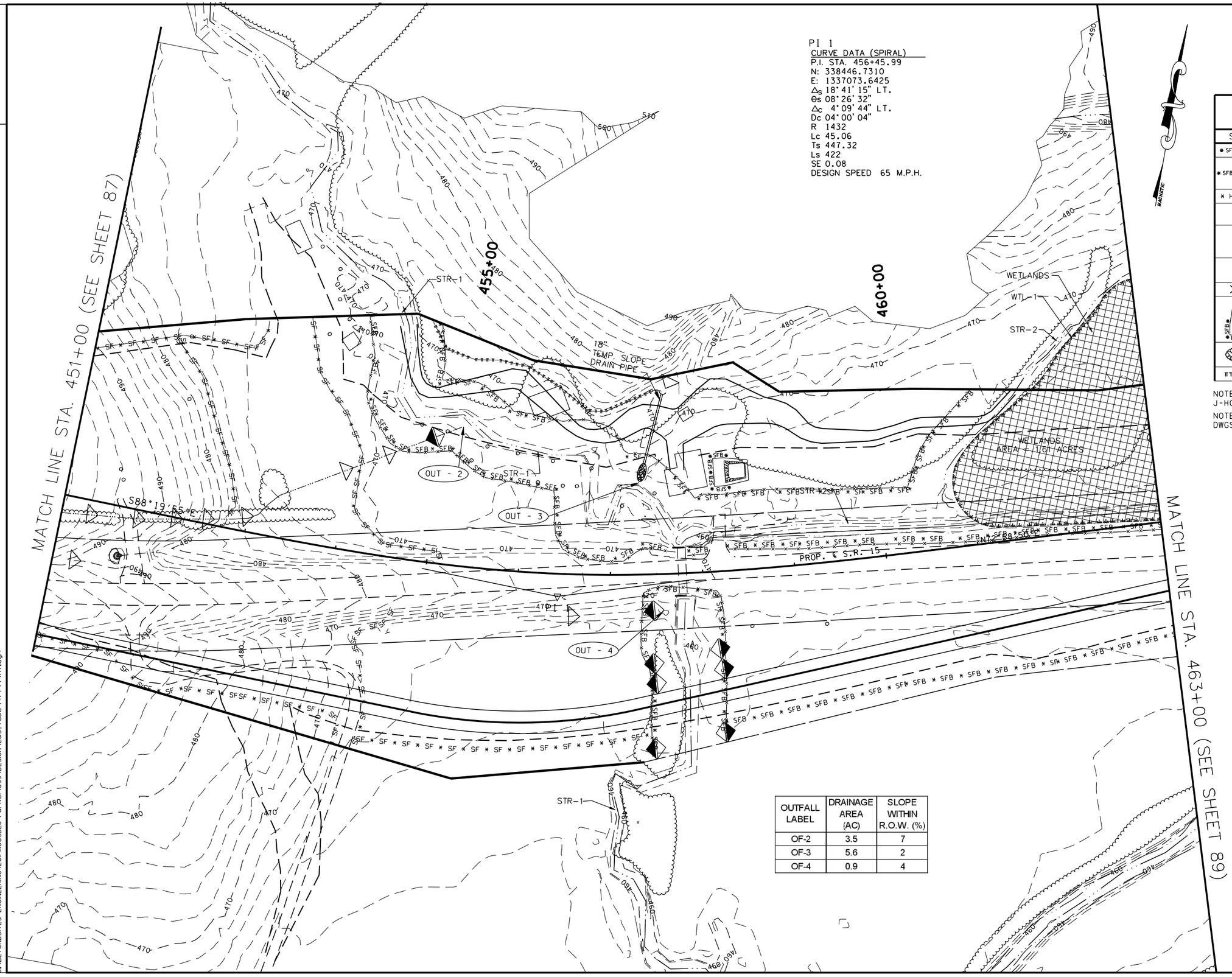
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	88
CONST	2014	36001-3290-14	88



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-2	3.5	7
OF-3	5.6	2
OF-4	0.9	4

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SF SF SF	SILT FENCE	EC-STR-3B
SFB SFB SFB	SILT FENCE WITH WIRE BACKING	EC-STR-3C
HVF HVF	HIGH VISIBILITY FENCE	S-F-1
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY SLOPE DRAIN	EC-STR-27
SFB	SEDIMENT FILTER BAG	EC-STR-2
	RIPRAP	EC-STR-27
	TEMPORARY BERM	EC-STR-27

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

BIRDIE F. JACKSON III
STATE OF TENNESSEE
8-8-2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 451+00 TO 463+00
SCALE: 1" = 50'

8/9/2014
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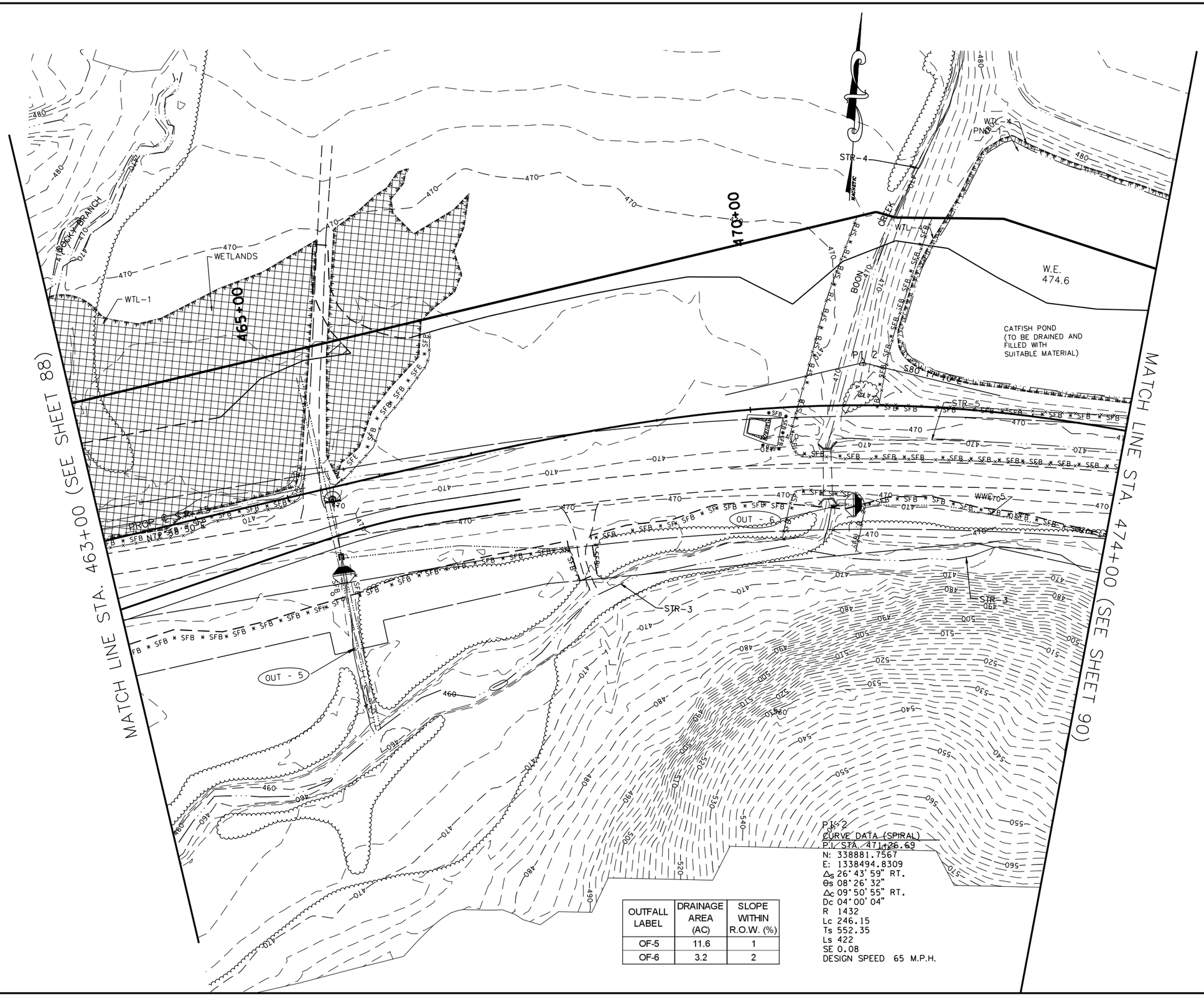
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	89
CONST	2014	36001-3290-14	89



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-5	11.6	1
OF-6	3.2	2

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
* 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
	SEDIMENT FILTER BAG	EC-STR-2

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

BIRDEL F. JACKSON III
STATE OF TENNESSEE
8/9/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 463+00 TO 474+00
SCALE: 1" = 50'

8/9/2014
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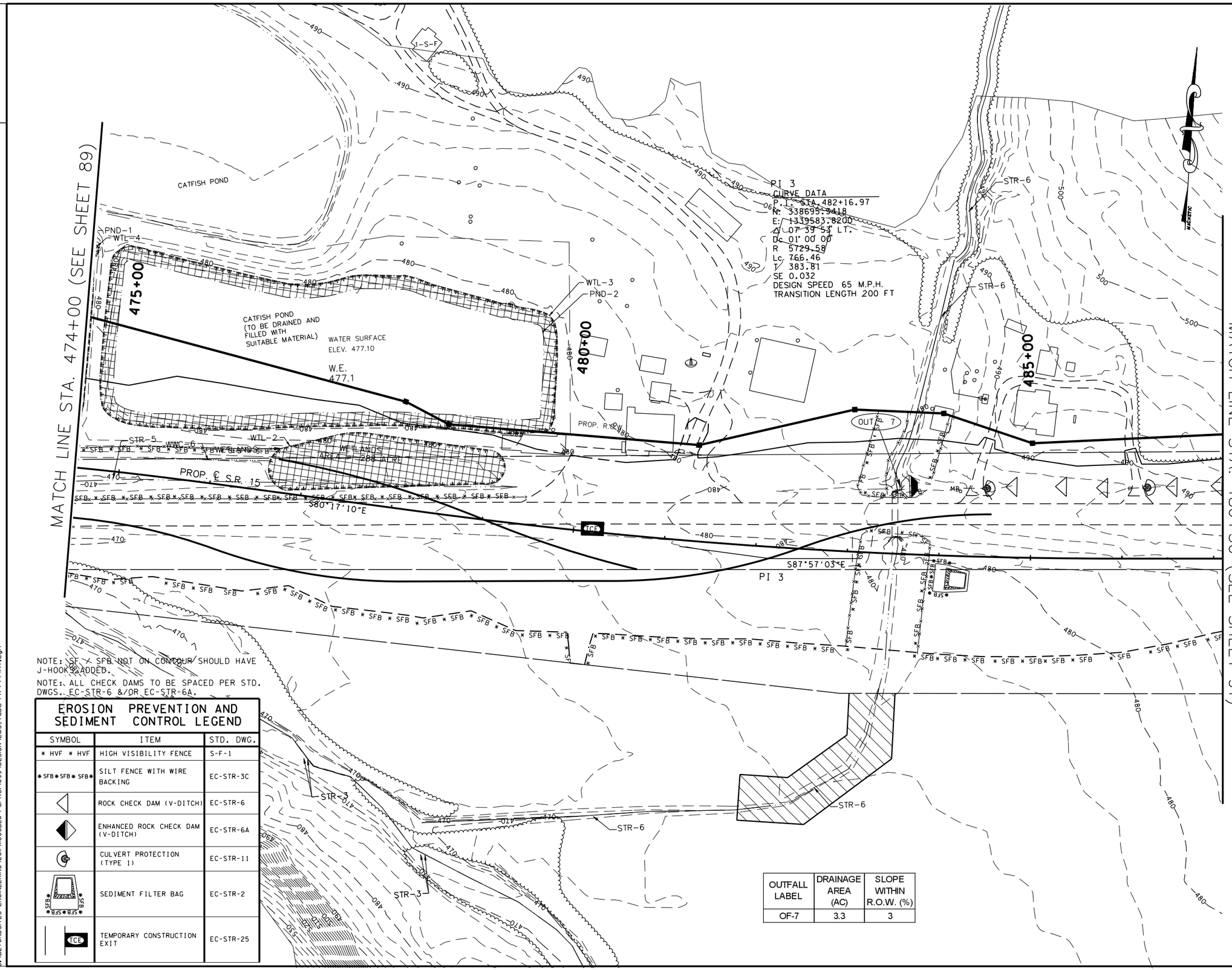
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	90
CONST	2014	36001-3290-14	90



NOTE: SF × SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
* 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
SFB	SEDIMENT FILTER BAG	EC-STR-2
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-7	3.3	3

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL PLAN
PHASE I
STA. 474+00 TO 486+50
SCALE: 1" = 50'

8/9/2014
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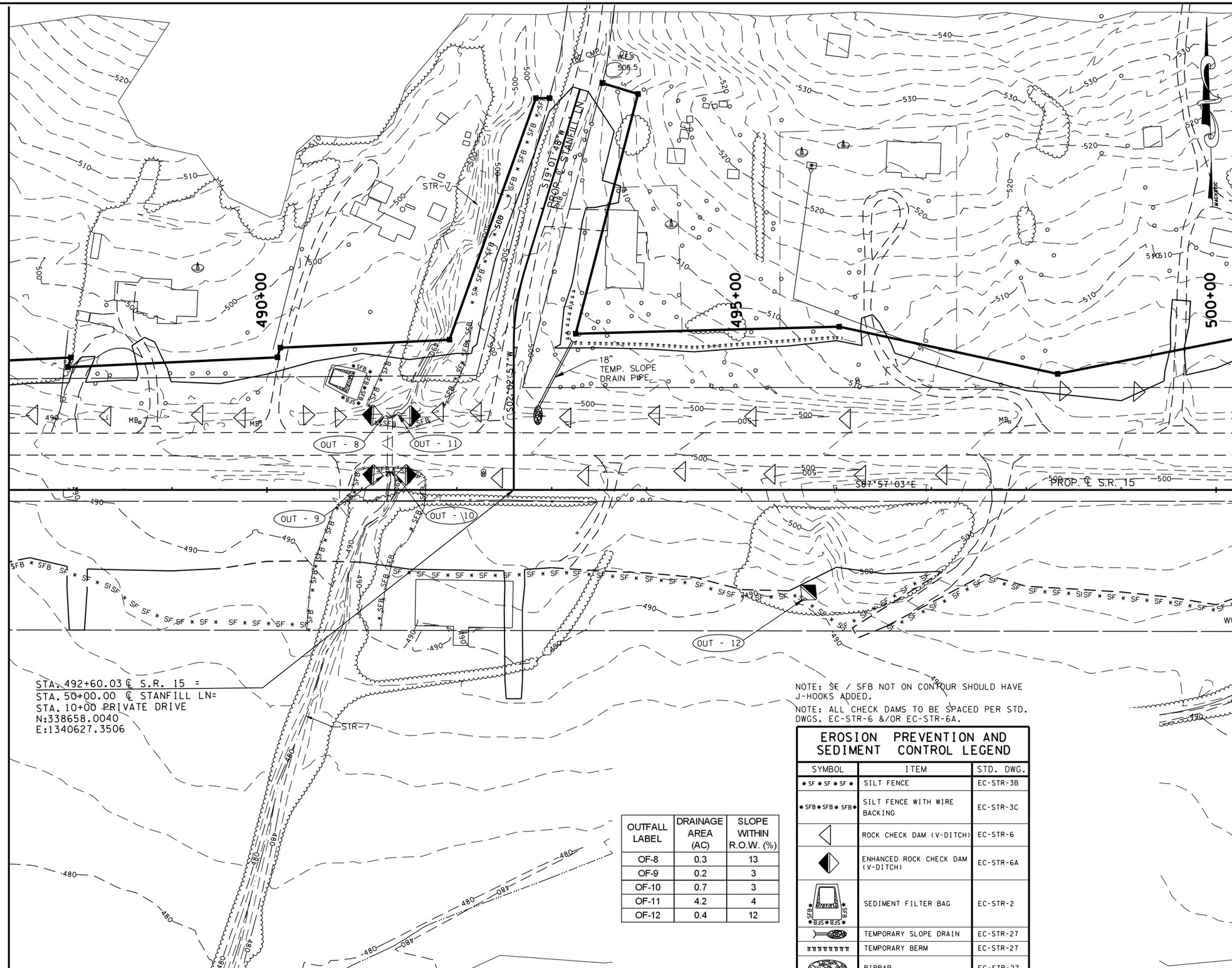
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	91
CONST	2014	36001-3290-14	91

MATCH LINE STA. 486+50 (SEE SHEET 90)



MATCH LINE STA. 499+50 (SEE SHEET 92)

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-8	0.3	13
OF-9	0.2	3
OF-10	0.7	3
OF-11	4.2	4
OF-12	0.4	12

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	SEDIMENT FILTER BAG	EC-STR-2
	TEMPORARY SLOPE DRAIN	EC-STR-27
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 486+50 TO 499+50
SCALE: 1" = 50'

8/9/2014
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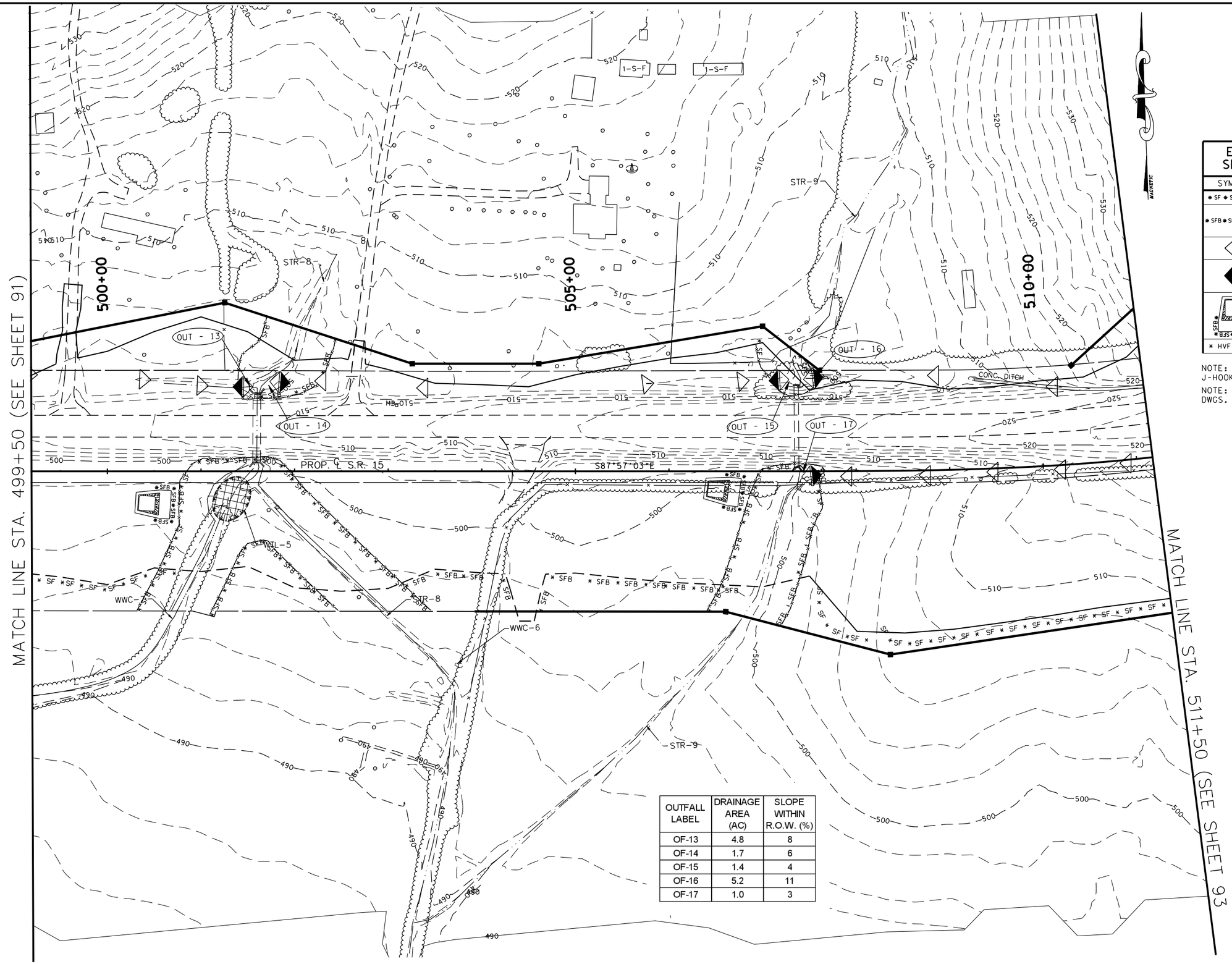
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	92
CONST	2014	36001-3290-14	92



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-13	4.8	8
OF-14	1.7	6
OF-15	1.4	4
OF-16	5.2	11
OF-17	1.0	3

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	SEDIMENT FILTER BAG	EC-STR-2
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 499+50 TO 511+50
SCALE: 1" = 50'

8/9/2014
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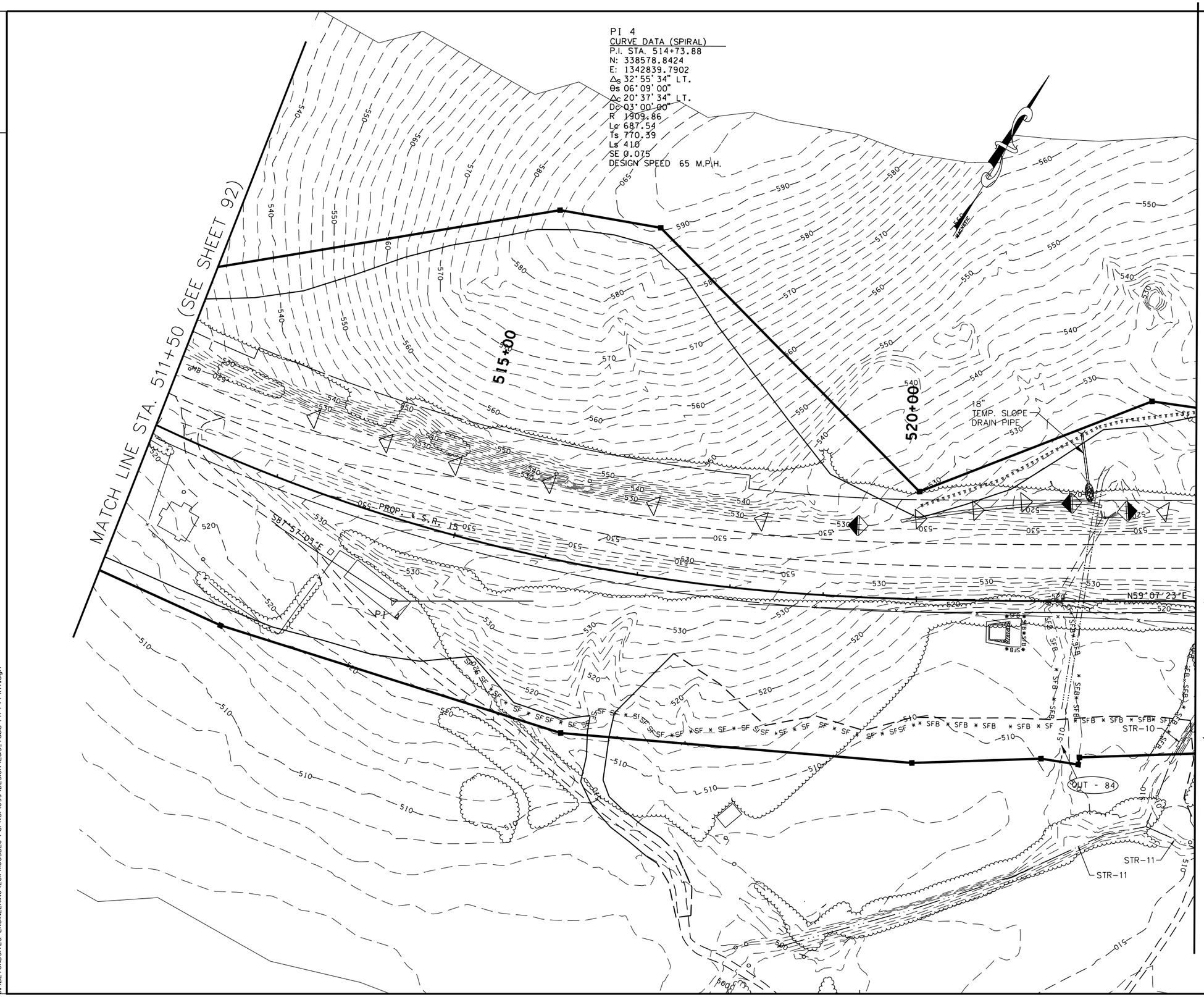
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	93
CONST	2014	36001-3290-14	93



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB SFB SFB SFB	SEDIMENT FILTER BAG	EC-STR-2
SF SF SF SF	SILT FENCE	EC-STR-3B
SFB 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
	TEMPORARY SLOPE DRAIN	EC-STR-27
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
HVF HVF	HIGH VISIBILITY FENCE	S-F-1

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

BURGEL F. JACKSON III
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 511+50 TO 523+00
SCALE: 1" = 50'

8/9/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

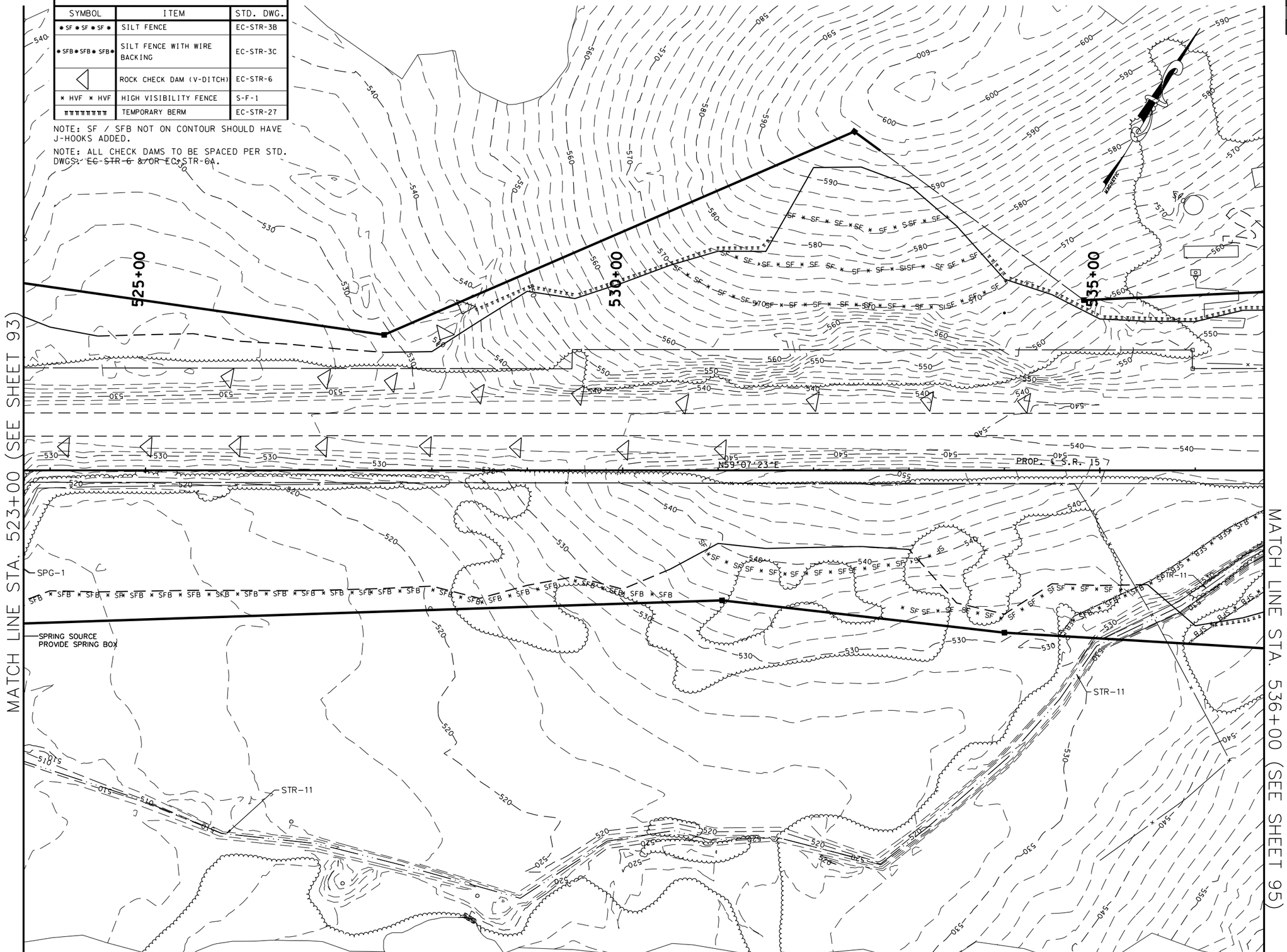
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	94
CONST	2014	36001-3290-14	94

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
◁	ROCK CHECK DAM (V-DITCH)	EC-STR-6
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
∩∩∩∩∩∩∩∩∩	TEMPORARY BERM	EC-STR-27

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. ~~EC-STR-6 &/OR EC-STR-6A~~.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 523+00 TO 536+00
SCALE: 1" = 50'

8/9/2014
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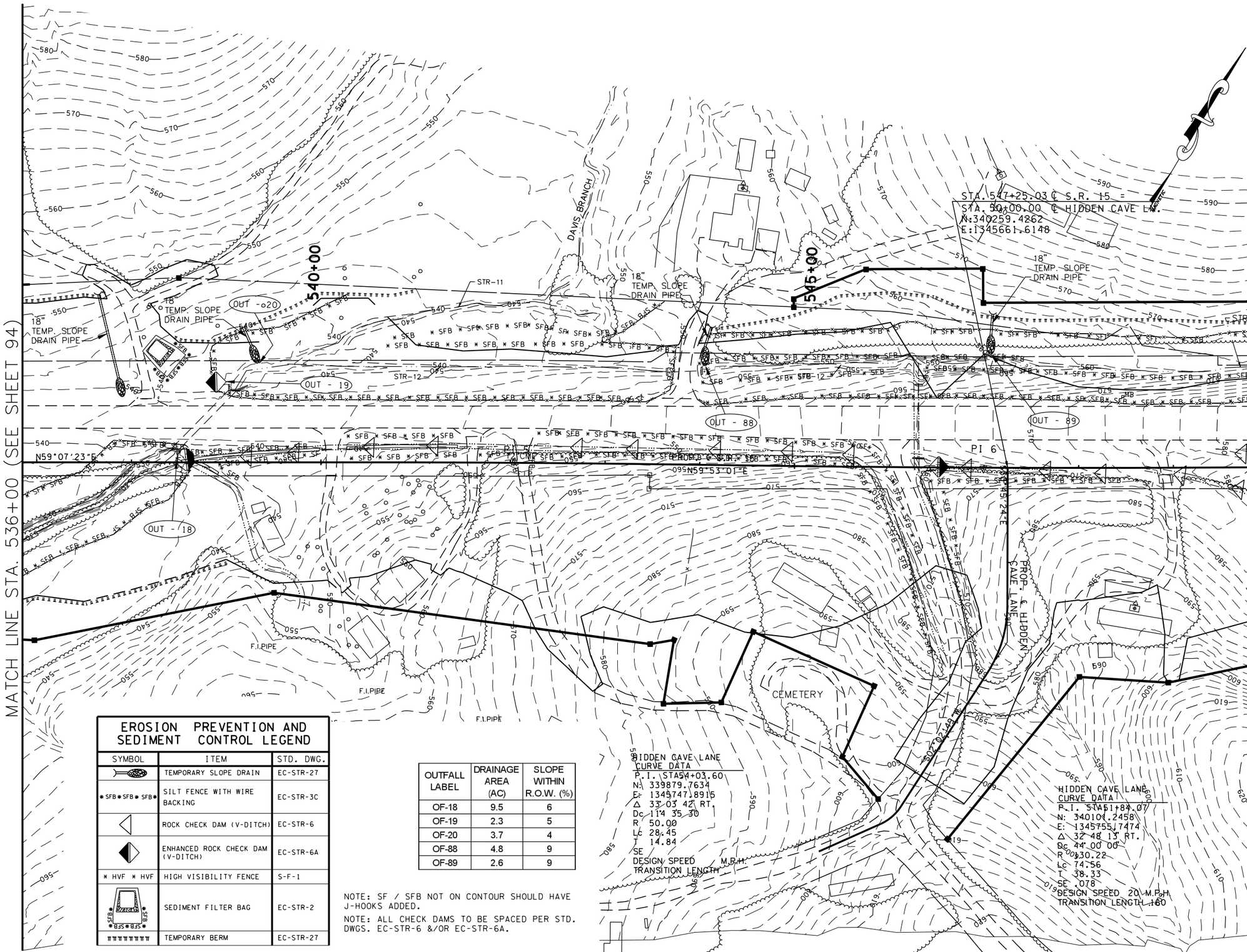
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	95
CONST	2014	36001-3290-14	95



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	TEMPORARY SLOPE DRAIN	EC-STR-27
* 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
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
SFB SFB SFB SFB	SEDIMENT FILTER BAG	EC-STR-2
	TEMPORARY BERM	EC-STR-27

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-18	9.5	6
OF-19	2.3	5
OF-20	3.7	4
OF-88	4.8	9
OF-89	2.6	9

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 536+00 TO 549+00
SCALE: 1" = 50'

8/9/2014
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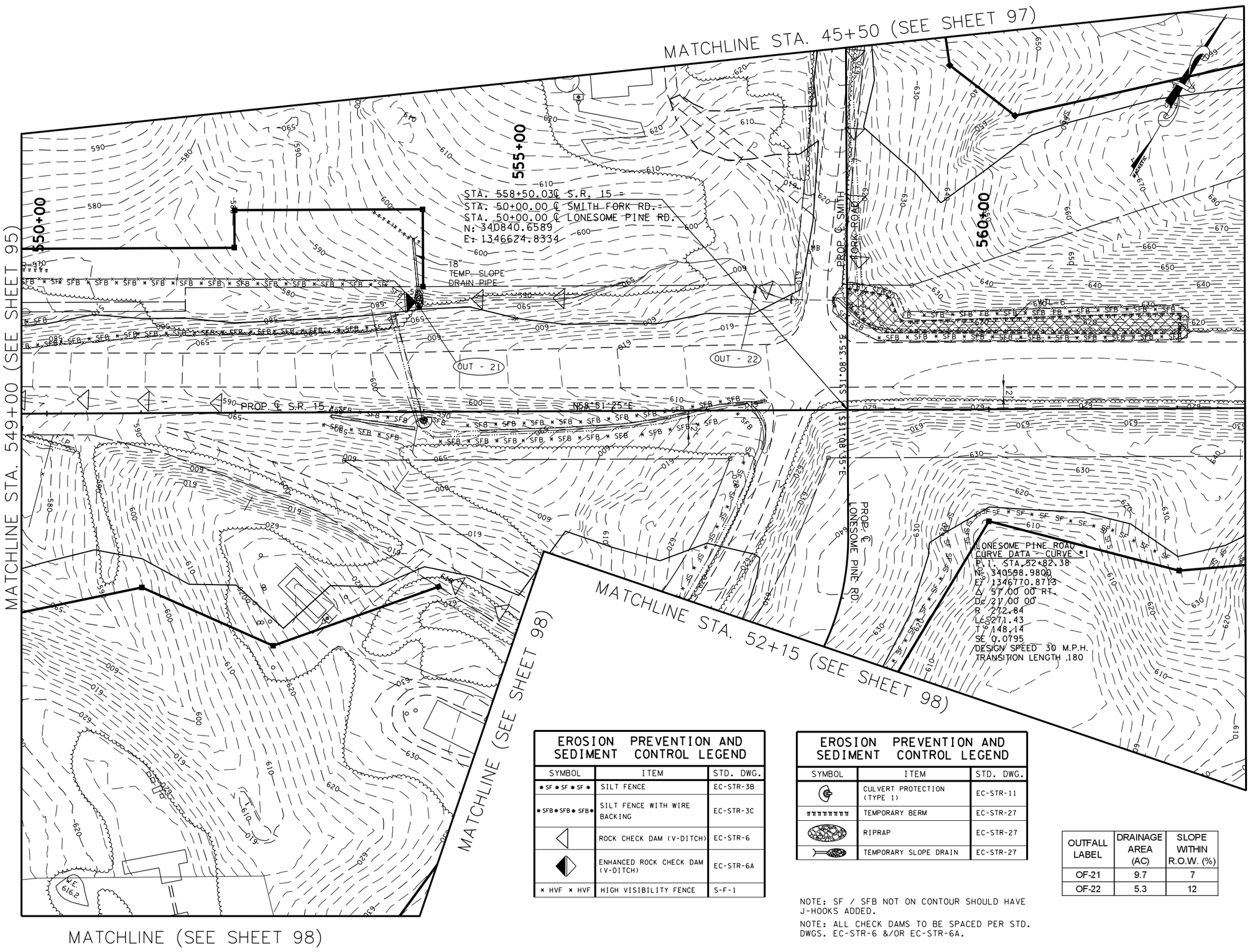
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	96
CONST	2014	36001-3290-14	96



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-21	9.7	7
OF-22	5.3	12

BIRDIE F. JACKSON III
STATE OF TENNESSEE
8/9/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 549+00 TO 562+00
SCALE: 1" = 50'

8/9/2014
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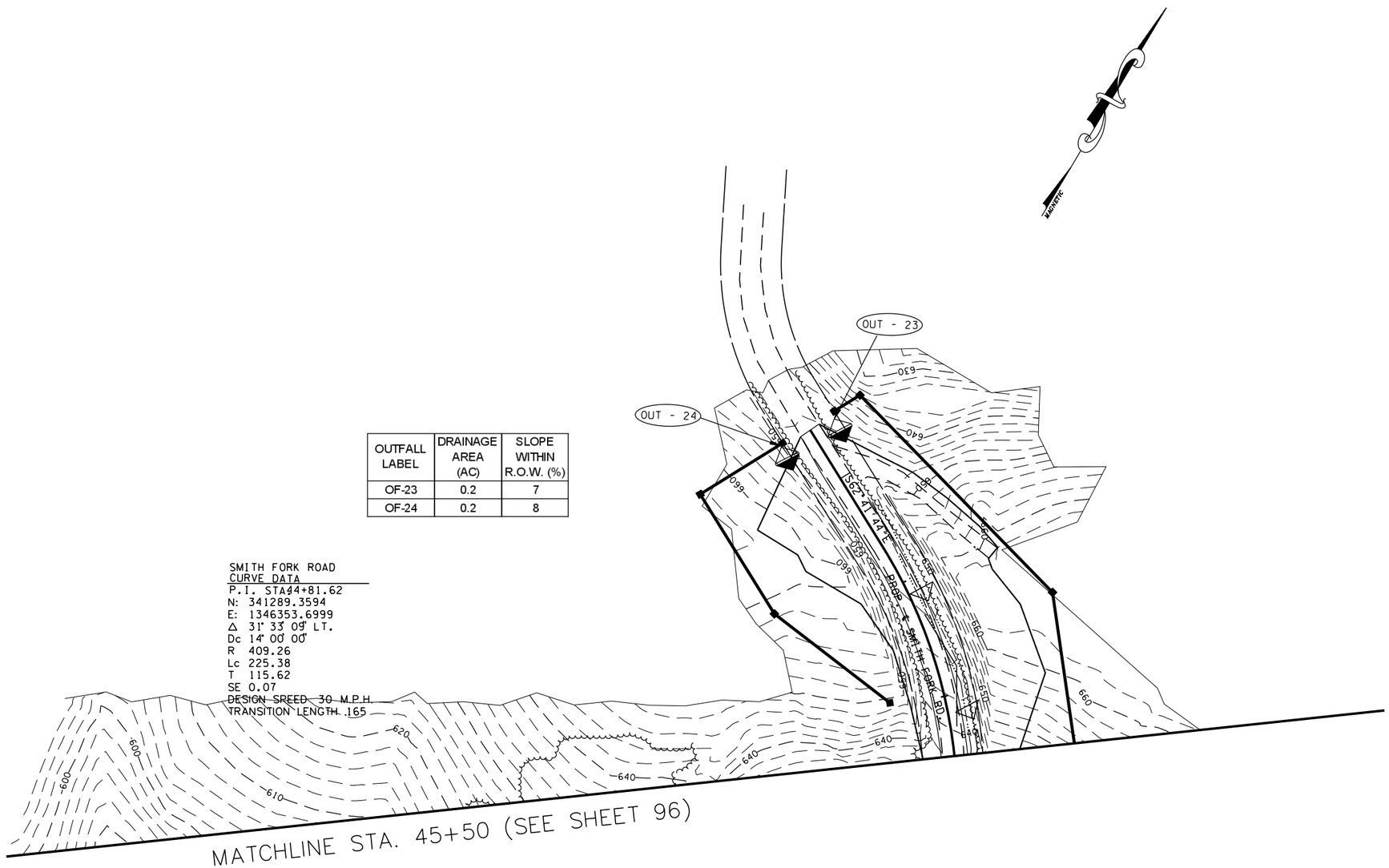
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	97
CONST	2014	36001-3290-14	97



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-23	0.2	7
OF-24	0.2	8

SMITH FORK ROAD
CURVE DATA
P.I. STA 44+81.62
N: 341289.3594
E: 1346353.6999
Δ 31° 33' 09" LT.
Dc 14° 00' 00"
R 409.26
Lc 225.38
T 115.62
SE 0.07
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .165

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
SMITH FORK ROAD
SCALE: 1" = 50'

8/9/2014
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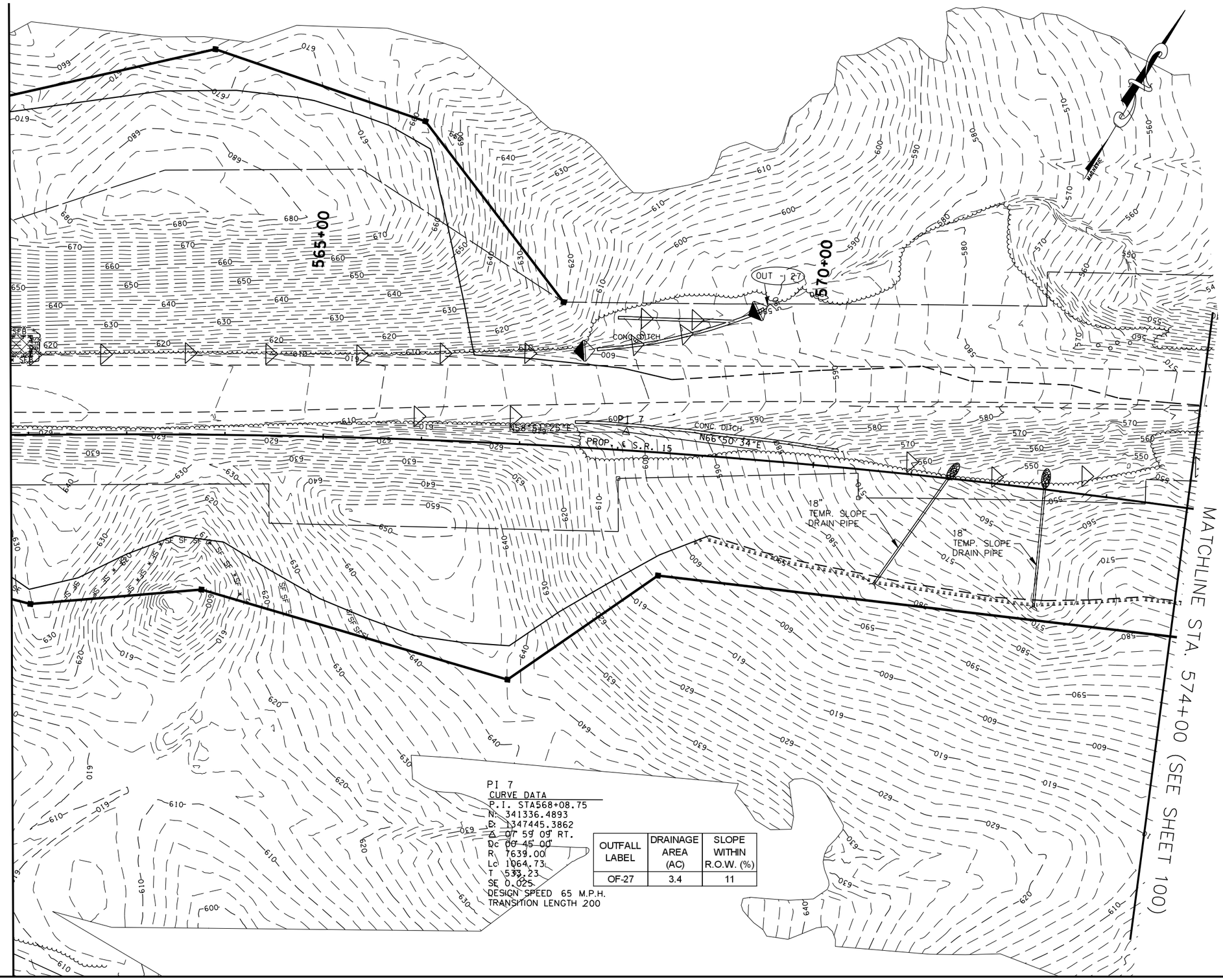
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	99
CONST	2014	36001-3290-14	99



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-27	3.4	11

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SF SF SF SF	SILT FENCE	EC-STR-3B
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 562+00 TO 574+00
SCALE: 1" = 50'

8/9/2014
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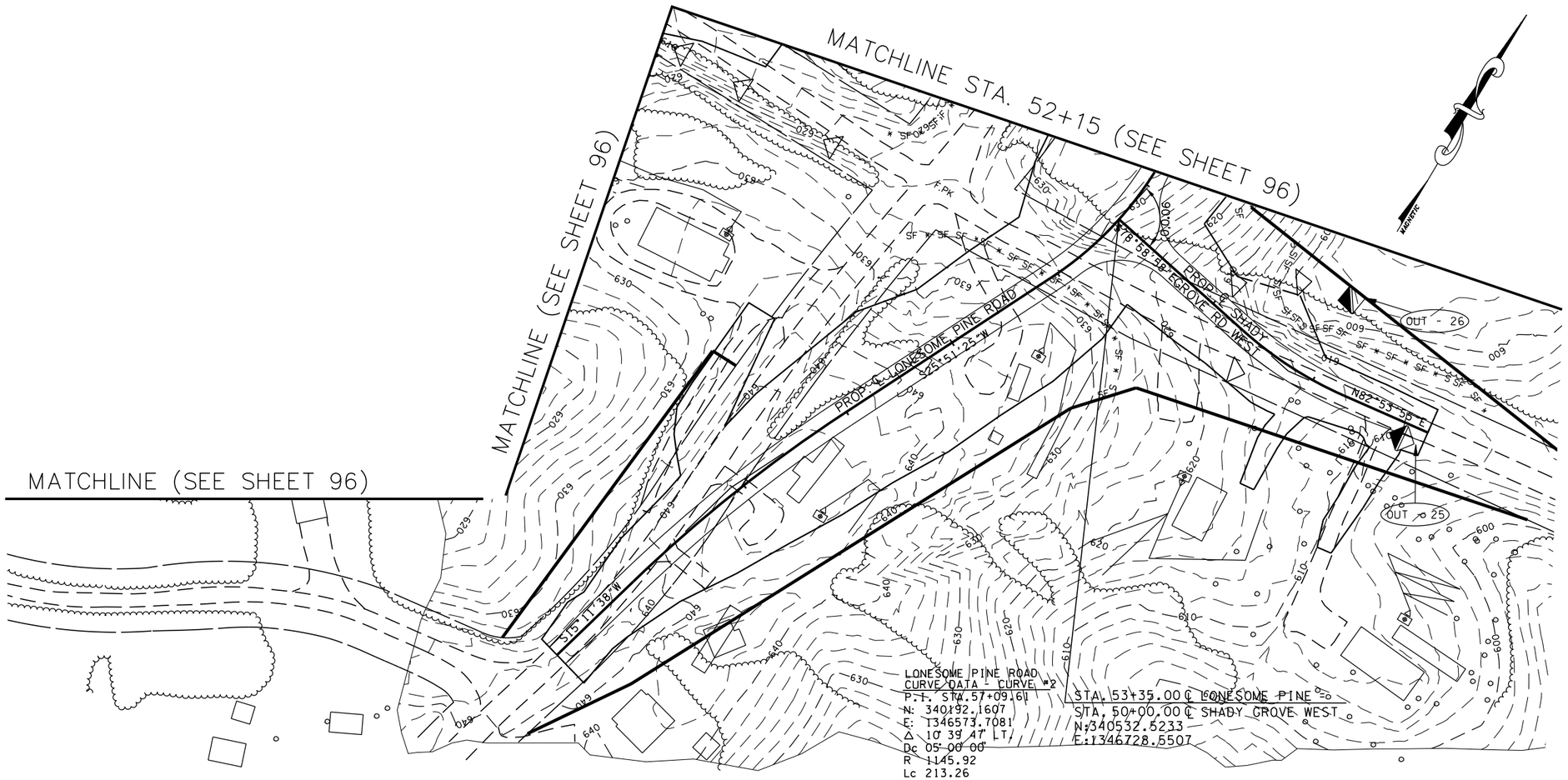
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	98
CONST	2014	36001-3290-14	98



LONESOME PINE ROAD
CURVE DATA - CURVE #2
P.I. STA.57+09.61
N: 340192.1607
E: 1346573.7081
Δ 10° 39' 47" LT
Dc 05° 00' 00"
R 1145.92
Lc 213.26
T 106.94
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .105

STA. 53+35.00 ℄ LONESOME PINE =
STA. 50+00.00 ℄ SHADY GROVE WEST
N:340532.6233
E:1346728.5507

SHADY GR
CURVE DA
P.I. STA
N: 34049
E: 13469
Δ 18° 07
Dc 19° 00
R 301.5
Lc 95.36
T 48.08
SE .05
DESIGN S
TRANSITIC

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-25	1.1	5
OF-26	0.5	15

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
◁	ROCK CHECK DAM (V-DITCH)	EC-STR-6
◧	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

BIRDIE F. JACKSON III
STATE OF TENNESSEE
14
2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I

LONE SOME PINE ROAD AND
SHADY GROVE ROAD WEST
SCALE: 1" = 50'

8/9/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	100
CONST	2014	36001-3290-14	100

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

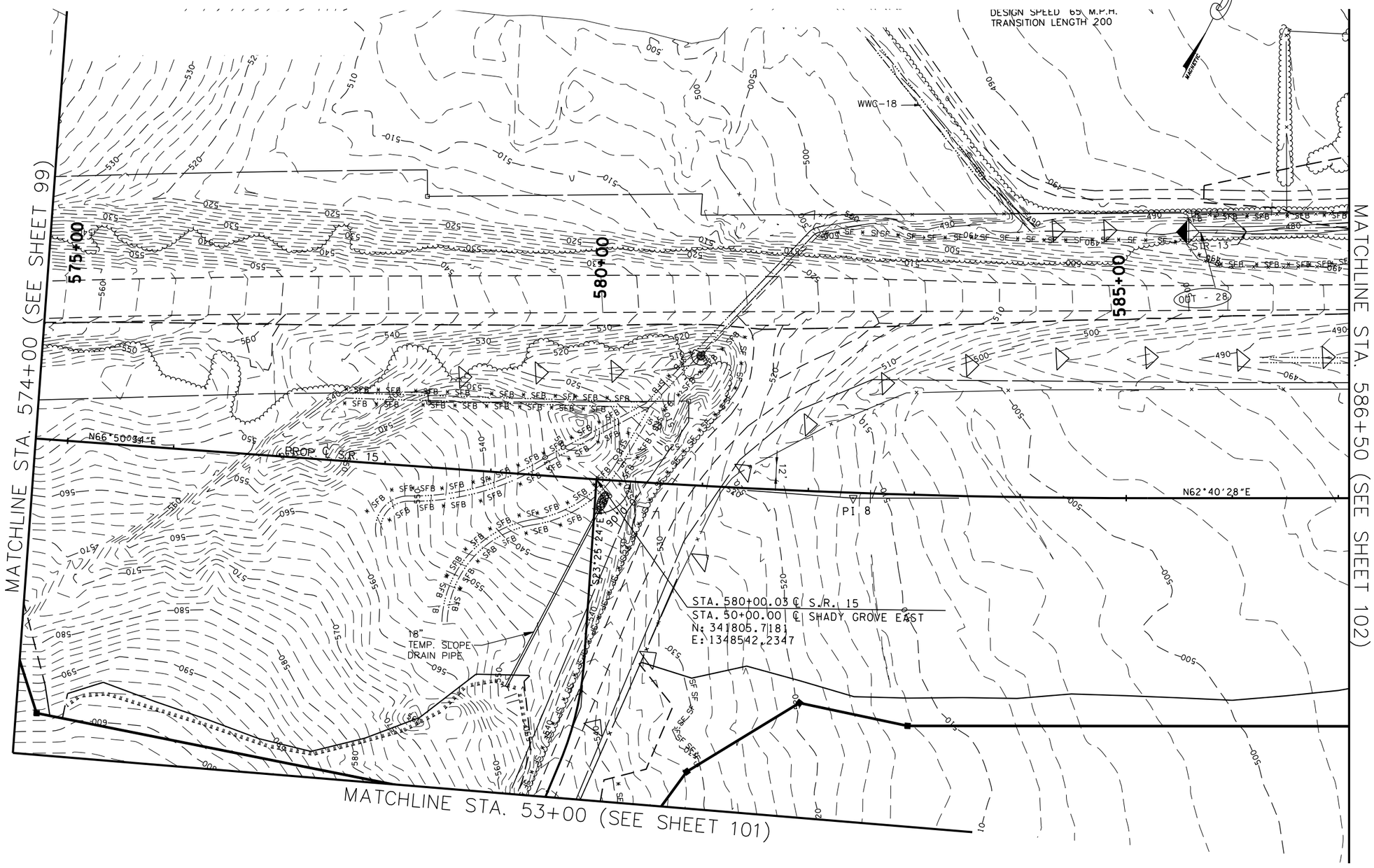
EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-28	21.0	9



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 574+00 TO 586+50
SCALE: 1" = 50'

8/9/2014
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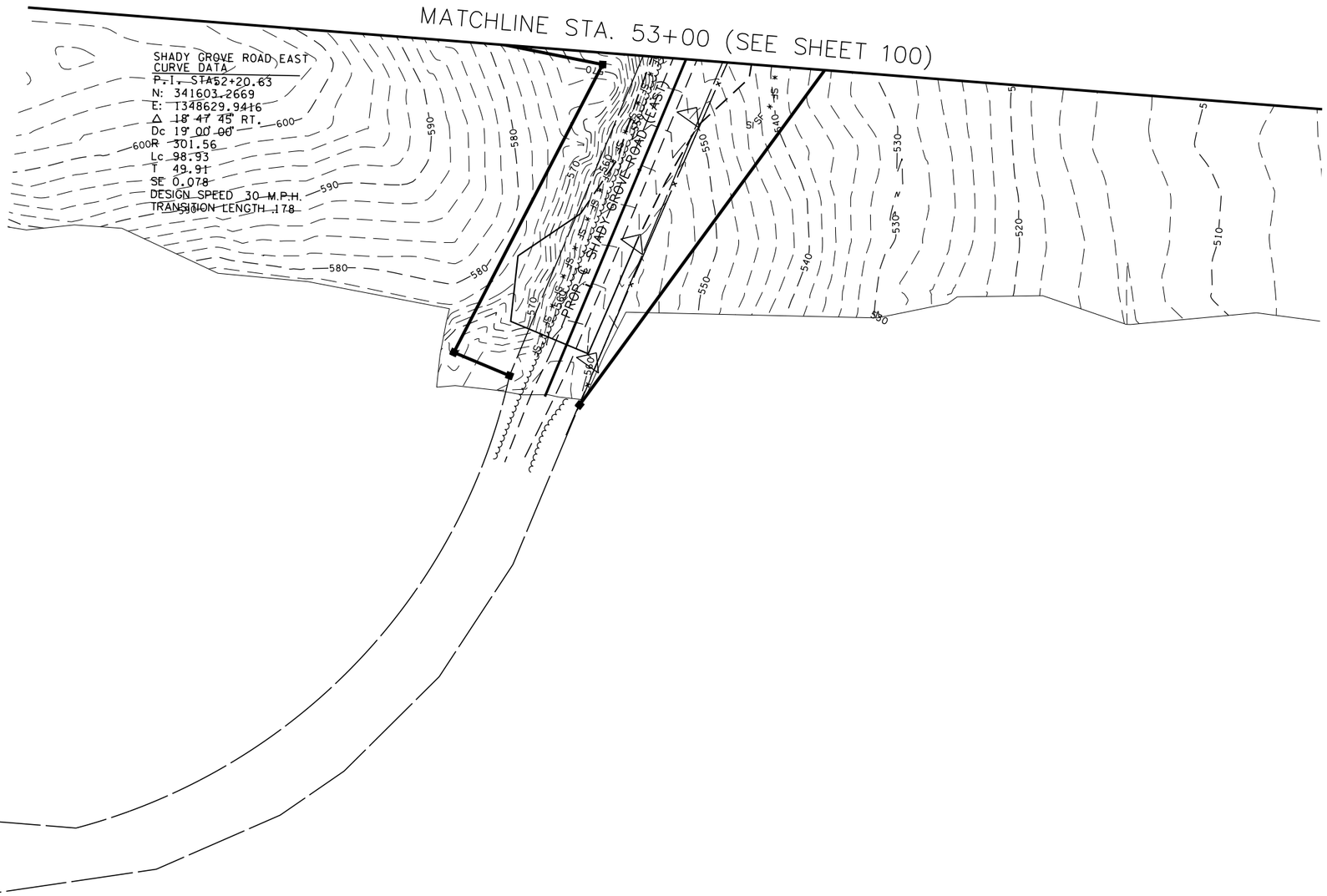
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	101
CONST	2014	36001-3290-14	101

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



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
SF SF SF SF	SILT FENCE	EC-STR-3B
◁	ROCK CHECK DAM (V-DITCH)	EC-STR-6

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
SHADY GROVE RD EAST
SCALE: 1" = 50'

8/9/2014
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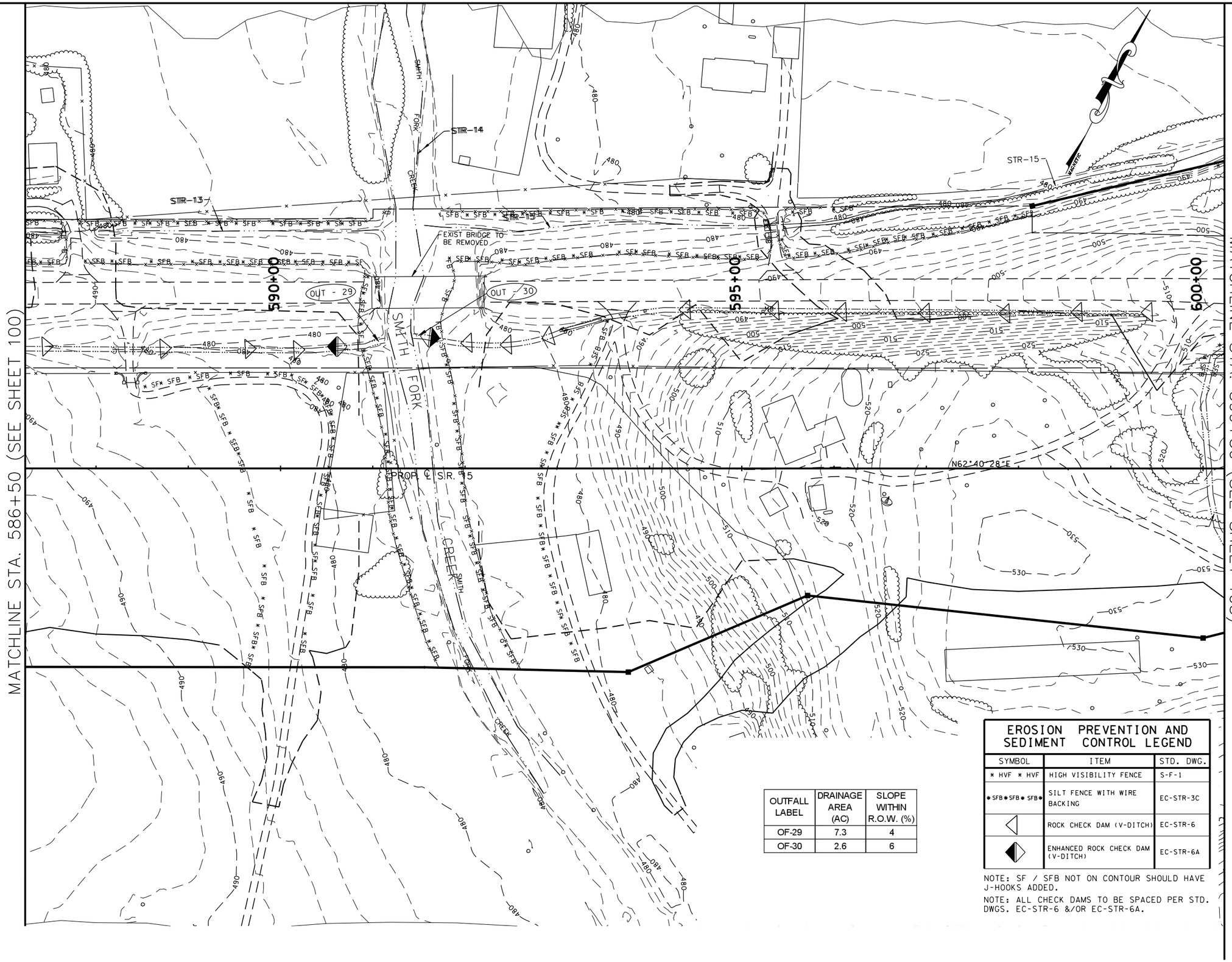
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	102
CONST	2014	36001-3290-14	102



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-29	7.3	4
OF-30	2.6	6

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
* 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

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

BRIDGE F. JACKSON III
REGISTERED ENGINEER
STATE OF TENNESSEE
14 2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 586+50 TO 599+50
SCALE: 1" = 50'

8/9/2014
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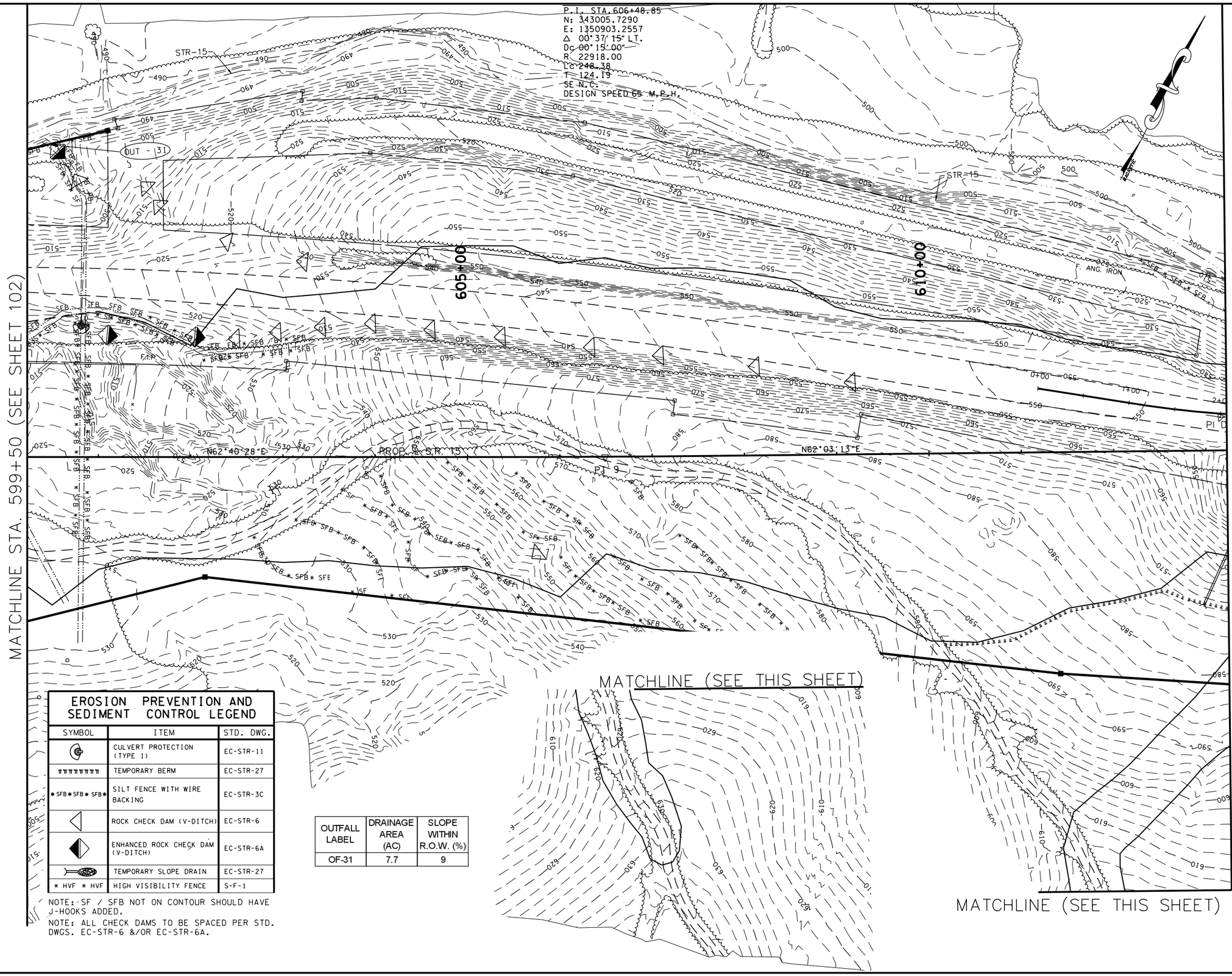
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	103
CONST	2014	36001-3290-14	103



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
* 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
	TEMPORARY SLOPE DRAIN	EC-STR-27
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-31	7.7	9

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 599+50 TO 612+50
SCALE: 1" = 50'

8/9/2014
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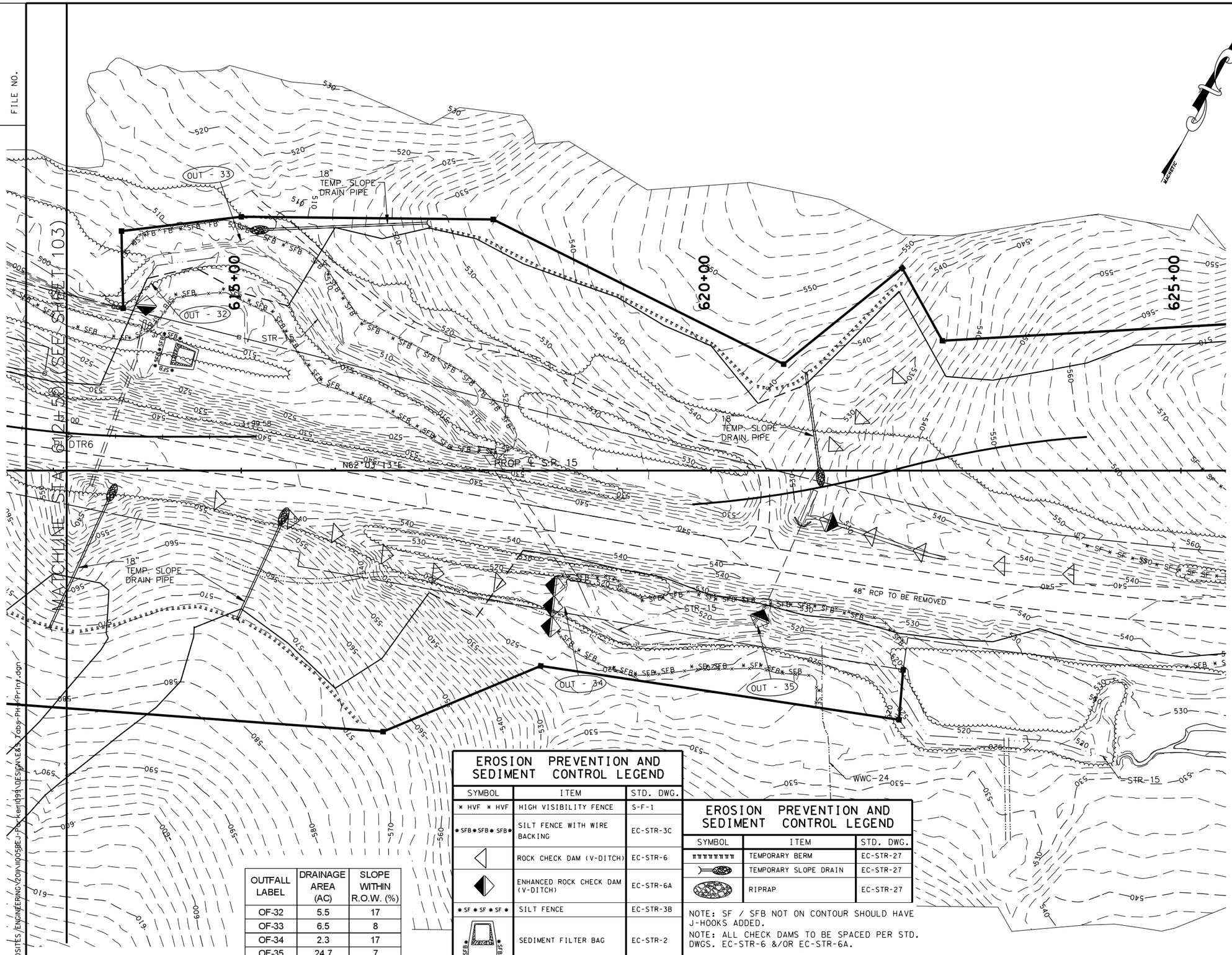
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	104
CONST	2014	36001-3290-14	104



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-32	5.5	17
OF-33	6.5	8
OF-34	2.3	17
OF-35	24.7	7

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
* 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
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	SEDIMENT FILTER BAG	EC-STR-2

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	TEMPORARY BERM	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27
	RIPRAP	EC-STR-27

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 612+50 TO 625+50
SCALE: 1" = 50'

8/9/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	105
CONST	2014	36001-3290-14	105

PI 10
CURVE DATA
P.I. STA.627+23.24
N: 343977.8821
E: 1352735.7424
Δ 02° 10' 13" LT.
Dc 00° 30' 00"
R 11459.16
Lc 434.04
T 217.05
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-36	51.5	13
OF-37	1.3	18
OF-38	5.8	12

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.
NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

MAGNETIC

MATCHLINE STA. 625+50 (SEE SHEET 104)

MATCHLINE STA. 638+50 (SEE SHEET 106)

630+00

635+00

N62°03'13"E

PI 10

N59°53'00"E

PROP. ℄ S.R. 15

PI 11

N61°17'42"E

WING-26

OUT - 36

OUT - 37

OUT - 38

24" RCP

STR-17

SPG-2

STR-15

STR-16

PI 11
CURVE DATA
P.I. STA.635+95.31
N: 344415.4816
E: 1353490.1362
Δ 01° 24' 42" RT.
Dc 00° 30' 00"
R 11459.16
Lc 282.33
T 141.17
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

BIRDIE F. JACKSON III
REGISTERED ENGINEER
NO. 112000
STATE OF TENNESSEE
8-9-2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 625+50 TO 638+50
SCALE: 1" = 50'

8/9/2014
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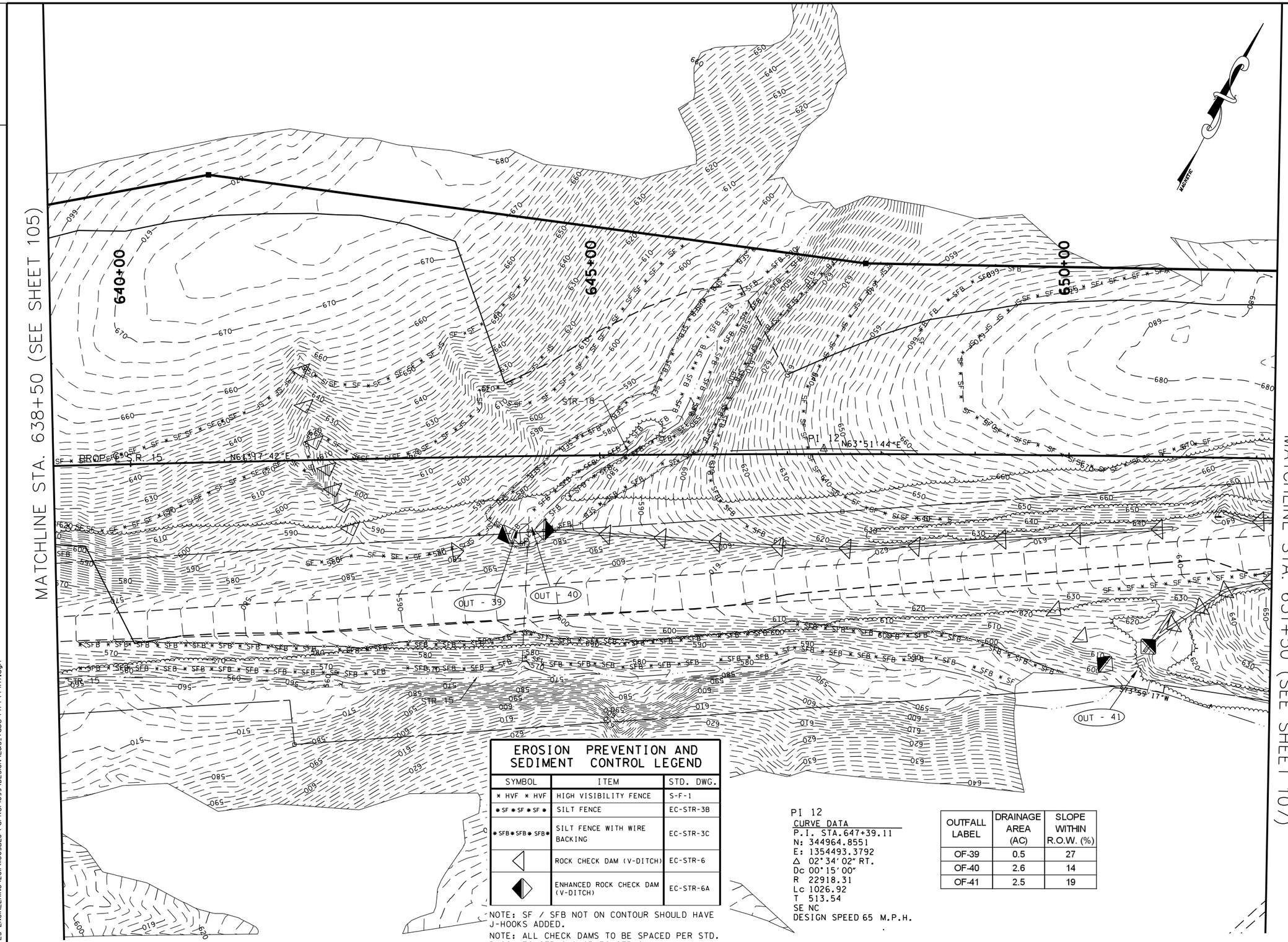
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	106
CONST	2014	36001-3290-14	106



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
SF 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

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

PI 12
CURVE DATA
P.I. STA.647+39.11
N: 344964.8551
E: 1354493.3792
Δ 02°34'02" RT.
Dc 00°15'00"
R 22918.31
Lc 1026.92
T 513.54
SE NC
DESIGN SPEED 65 M.P.H.

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-39	0.5	27
OF-40	2.6	14
OF-41	2.5	19

BIRDIE F. JACKSON III
STATE OF TENNESSEE
14
2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 638+50 TO 651+50
SCALE: 1" = 50'

8/9/2014
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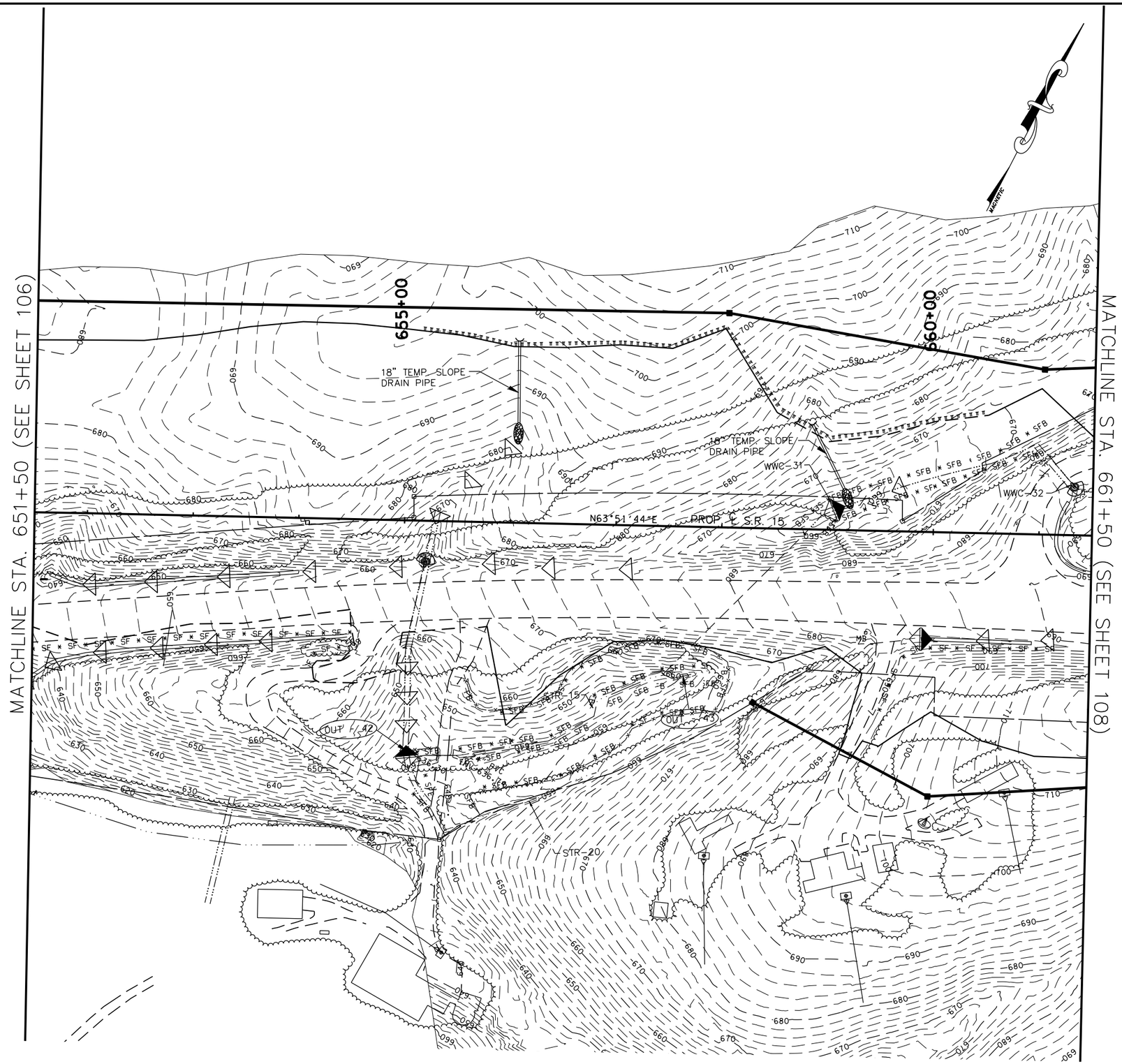
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	107
CONST	2014	36001-3290-14	107



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
* 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
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.
NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-42	21.1	14
OF-43	13.9	12

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 651+50 TO 661+50
SCALE: 1" = 50'

8/9/2014
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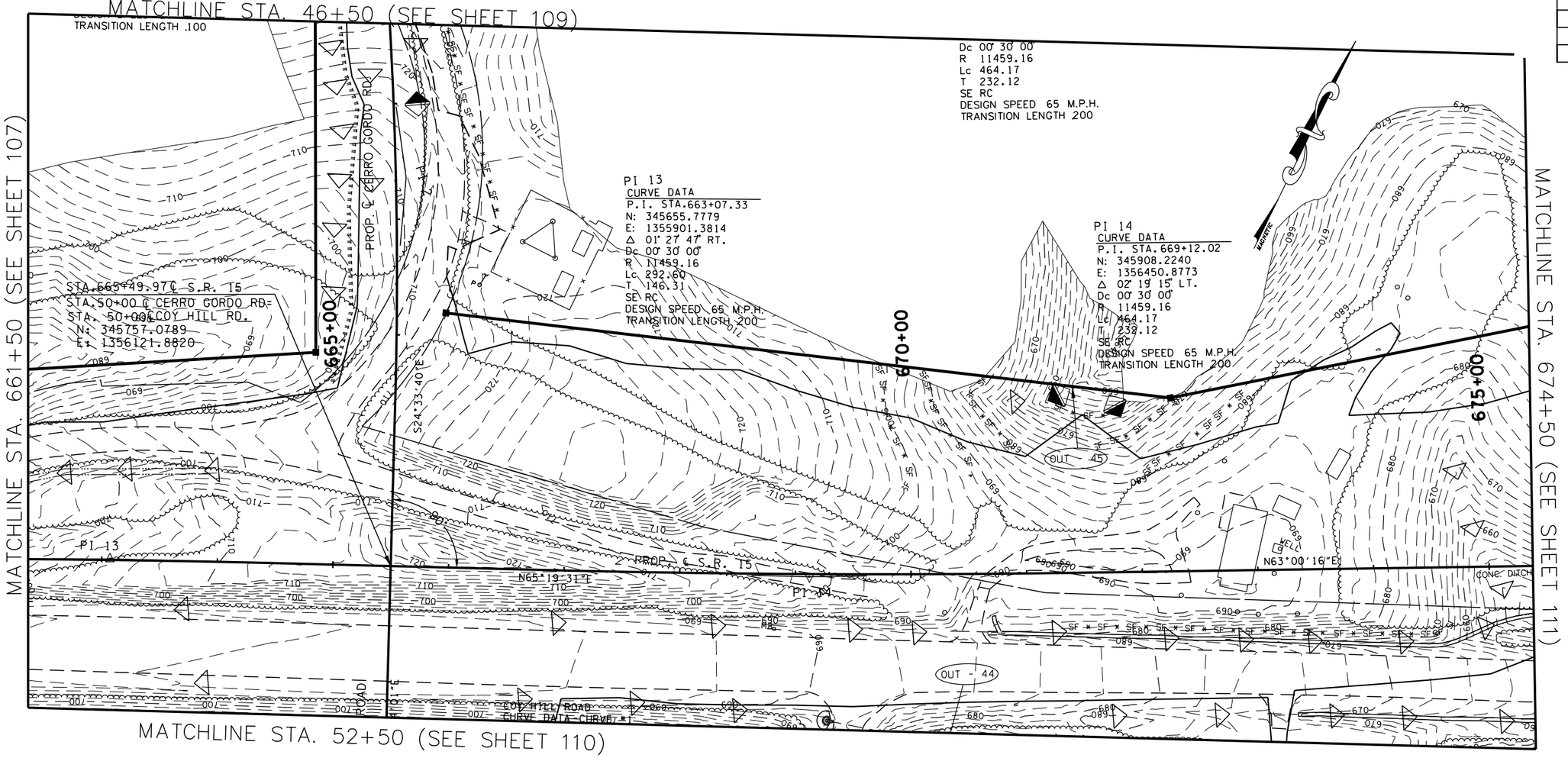
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	108
CONST	2014	36001-3290-14	108

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



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-44	1.6	7
OF-45	1.7	20

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SF SF SF SF	SILT FENCE	EC-STR-3B
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

REV. 2-08-10

ADDED DRWY TRACT 34

REV. 11-29-10

REVISED ALIGN CERRO GORDO & COY HILL RDS

REVISED DRIVEWAY TRACT 26

REVISED CONTOURS

REVISED PROP ROW TRACTS 26 & 34

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 661+50 TO 674+50
SCALE: 1" = 50'

8/9/2014
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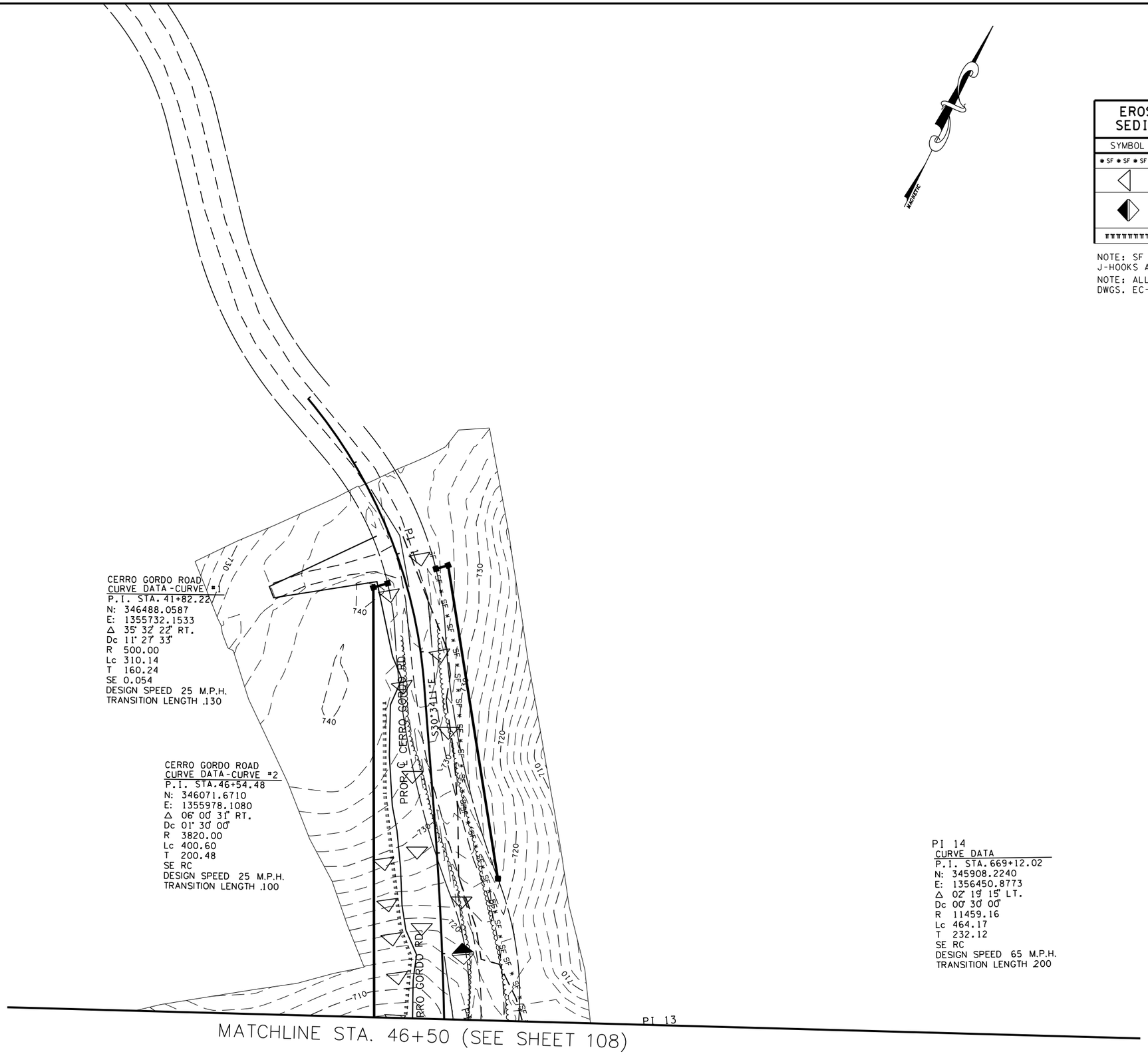
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	109
CONST	2014	36001-3290-14	109



CERRO GORDO ROAD
CURVE DATA-CURVE #1
P.I. STA. 41+82.22
N: 346488.0587
E: 1355732.1533
Δ 35° 32' 22" RT.
Dc 11° 27' 33"
R 500.00
Lc 310.14
T 160.24
SE 0.054
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH .130

CERRO GORDO ROAD
CURVE DATA-CURVE #2
P.I. STA.46+54.48
N: 346071.6710
E: 1355978.1080
Δ 06° 00' 31" RT.
Dc 01° 30' 00"
R 3820.00
Lc 400.60
T 200.48
SE RC
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH .100

PI 14
CURVE DATA
P.I. STA.669+12.02
N: 345908.2240
E: 1356450.8773
Δ 02° 19' 15" LT.
Dc 00° 30' 00"
R 11459.16
Lc 464.17
T 232.12
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
● SF ● SF ● SF ●	SILT FENCE	EC-STR-3B
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	TEMPORARY BERM	EC-STR-27

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.
NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

BRIAN F. JACKSON
AMIC
STATE OF TENNESSEE
7-14-2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
CERO GORDO ROAD
SCALE: 1" = 50'

8/9/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	110
CONST	2014	36001-3290-14	110

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

REV. 2-08-10

REMOVED DRWY TRACT 34

REV. 11-29-10

REVISED ALIGN COY HILL RD

REVISED DRIVEWAY TRACTS 31 & 31

REVISED CONTOURS

REVISED PROP ROW TRACTS 30, 31 & 32

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
◆	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
COY HILL ROAD
SCALE: 1" = 50'

8/9/2014
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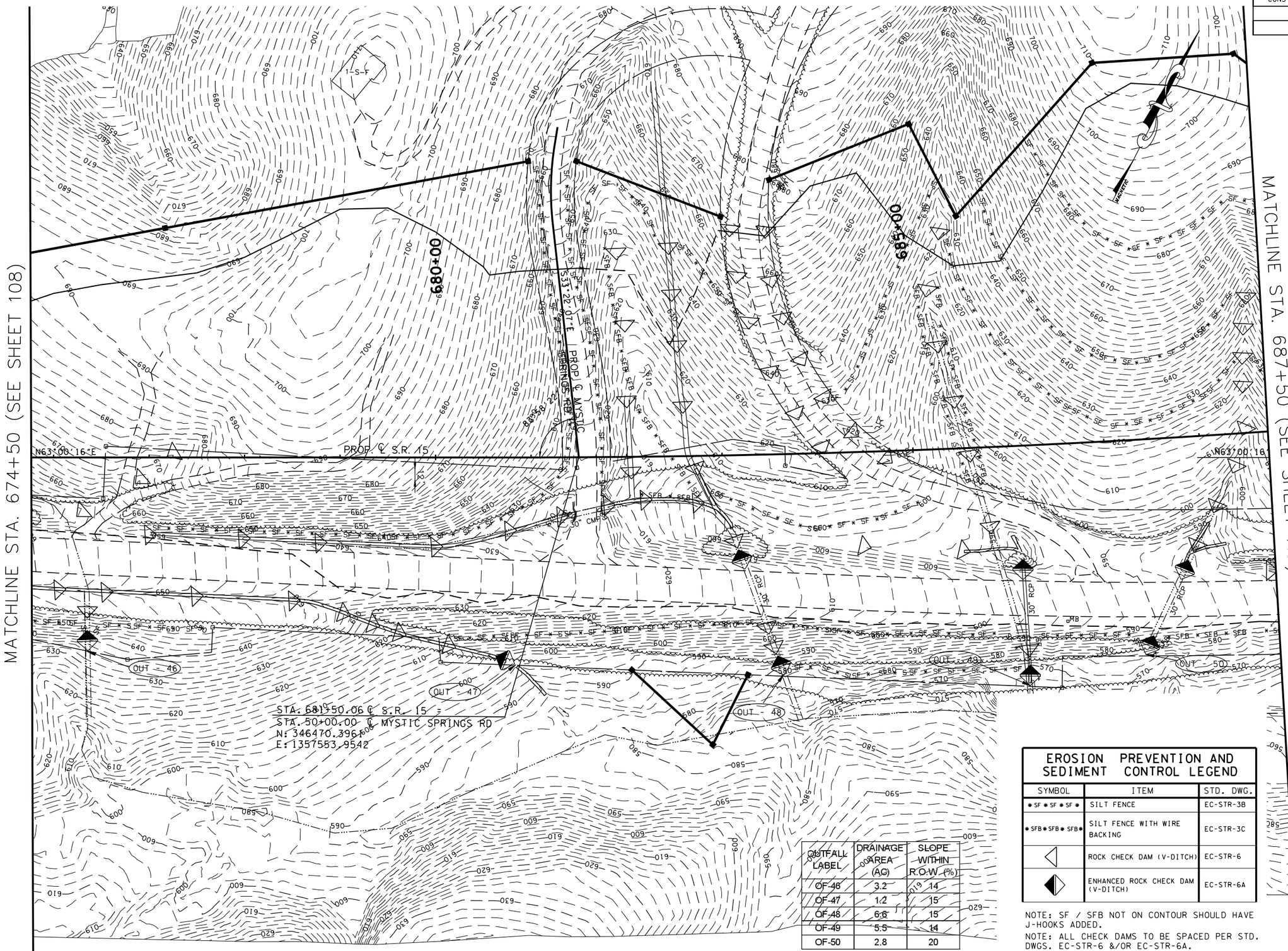
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	111
CONST	2014	36001-3290-14	111



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-46	3.2	14
OF-47	1.2	15
OF-48	6.6	15
OF-49	5.5	14
OF-50	2.8	20

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
◁	ROCK CHECK DAM (V-DITCH)	EC-STR-6
◁▷	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

BIRDELL F. JACKSON II
NO. 111
STATE OF TENNESSEE
8/9/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL PLAN
PHASE I
STA. 674+50 TO 687+50
SCALE: 1" = 50'

8/9/2014
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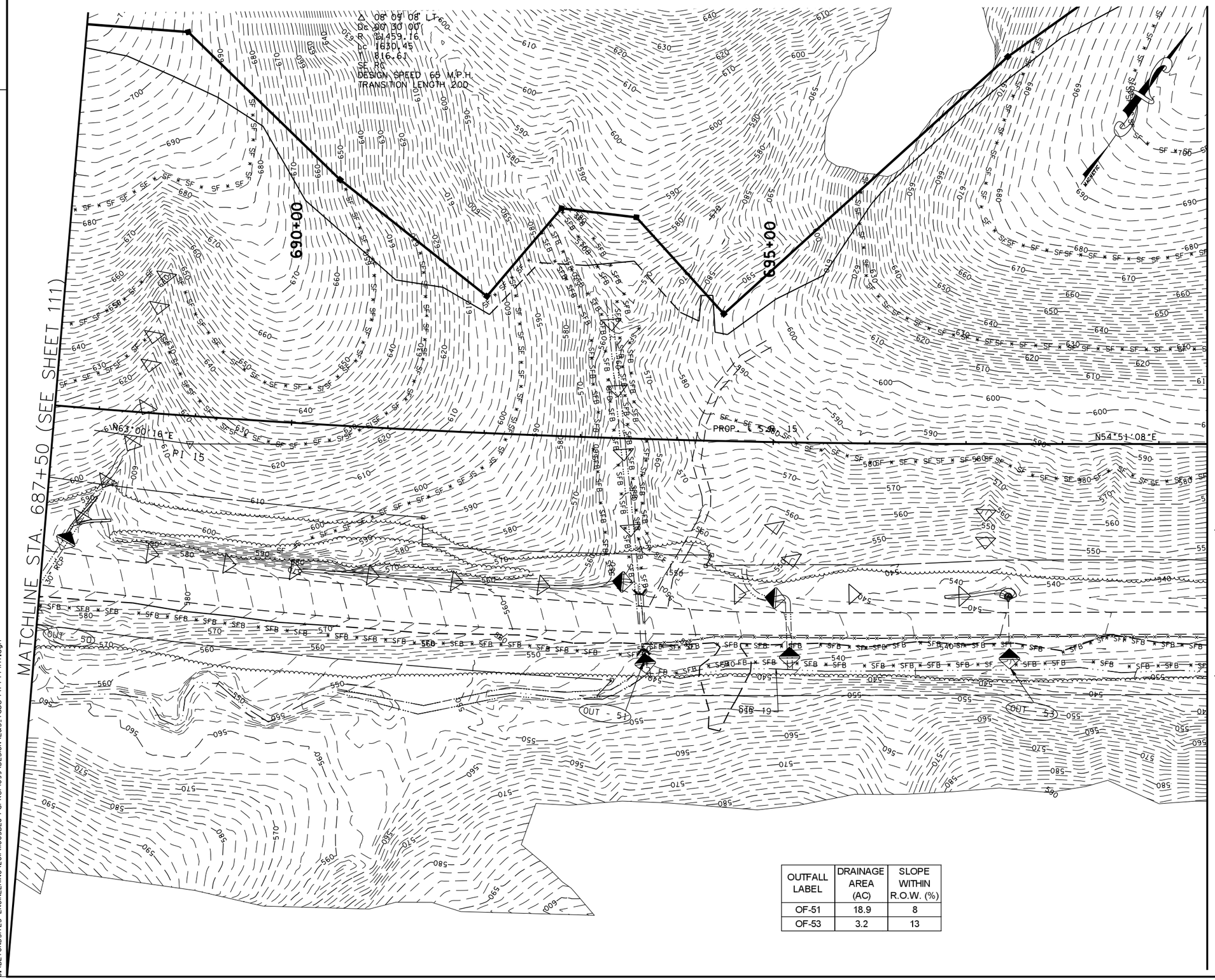
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	112
CONST	2014	36001-3290-14	112



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-51	18.9	8
OF-53	3.2	13

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
◁	ROCK CHECK DAM (V-DITCH)	EC-STR-6
◧	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
◐	CULVERT PROTECTION (TYPE 1)	EC-STR-11
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

BIRDEL E. JACKSON
STATE OF TENNESSEE
14
8/9/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 687+50 TO 699+50
SCALE: 1" = 50'

8/9/2014
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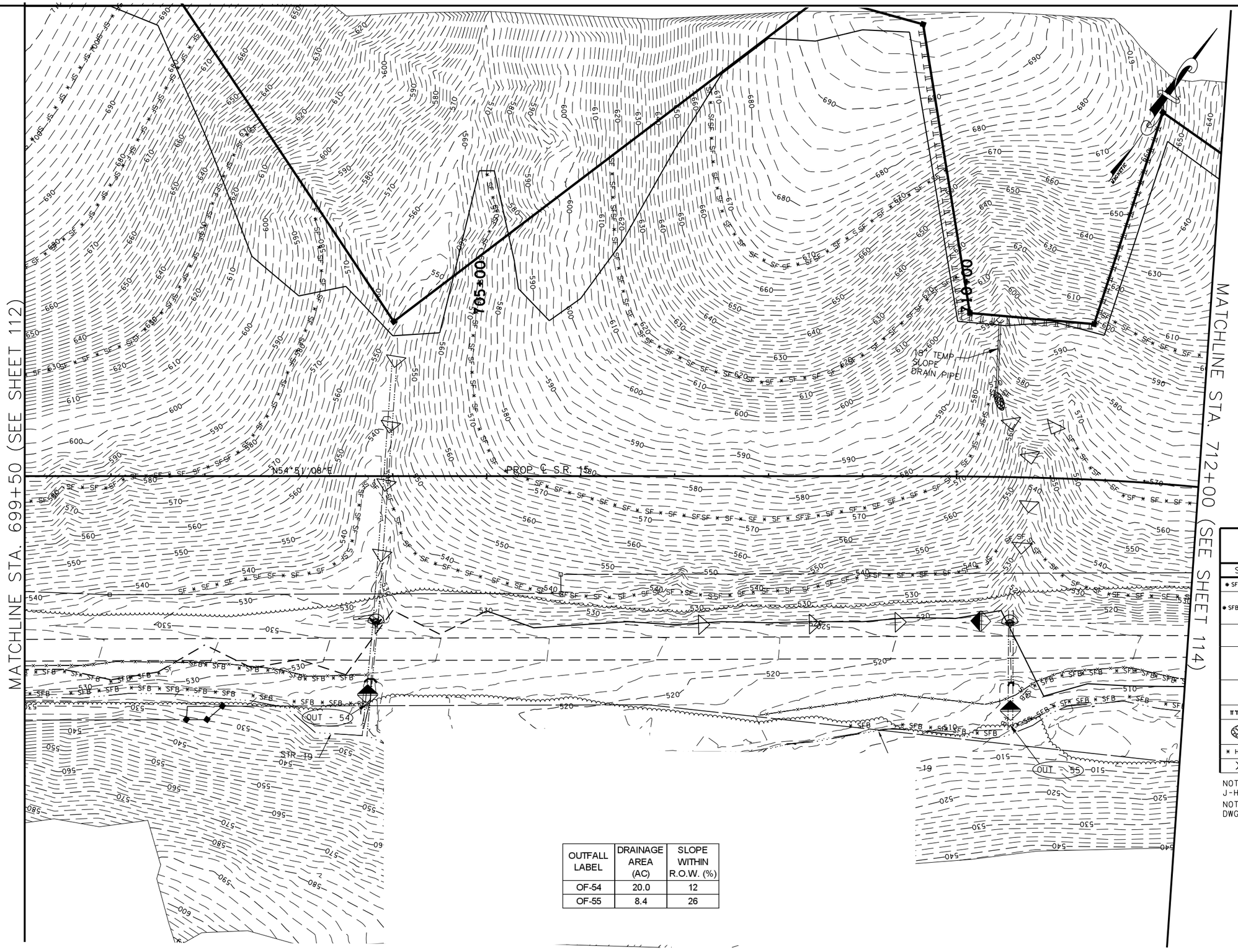
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	113
CONST	2014	36001-3290-14	113



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-54	20.0	12
OF-55	8.4	26

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
* HVF * HVF	HIGH VISIBILITY FENCE	EC-STR-1
	TEMPORARY SLOPE DRAIN PIPE	EC-STR-27

NOTE: SF / SFB NOT ON CONTOUR MAP SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE INSTALLED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 699+50 TO 712+00
SCALE: 1" = 50'

8/9/2014
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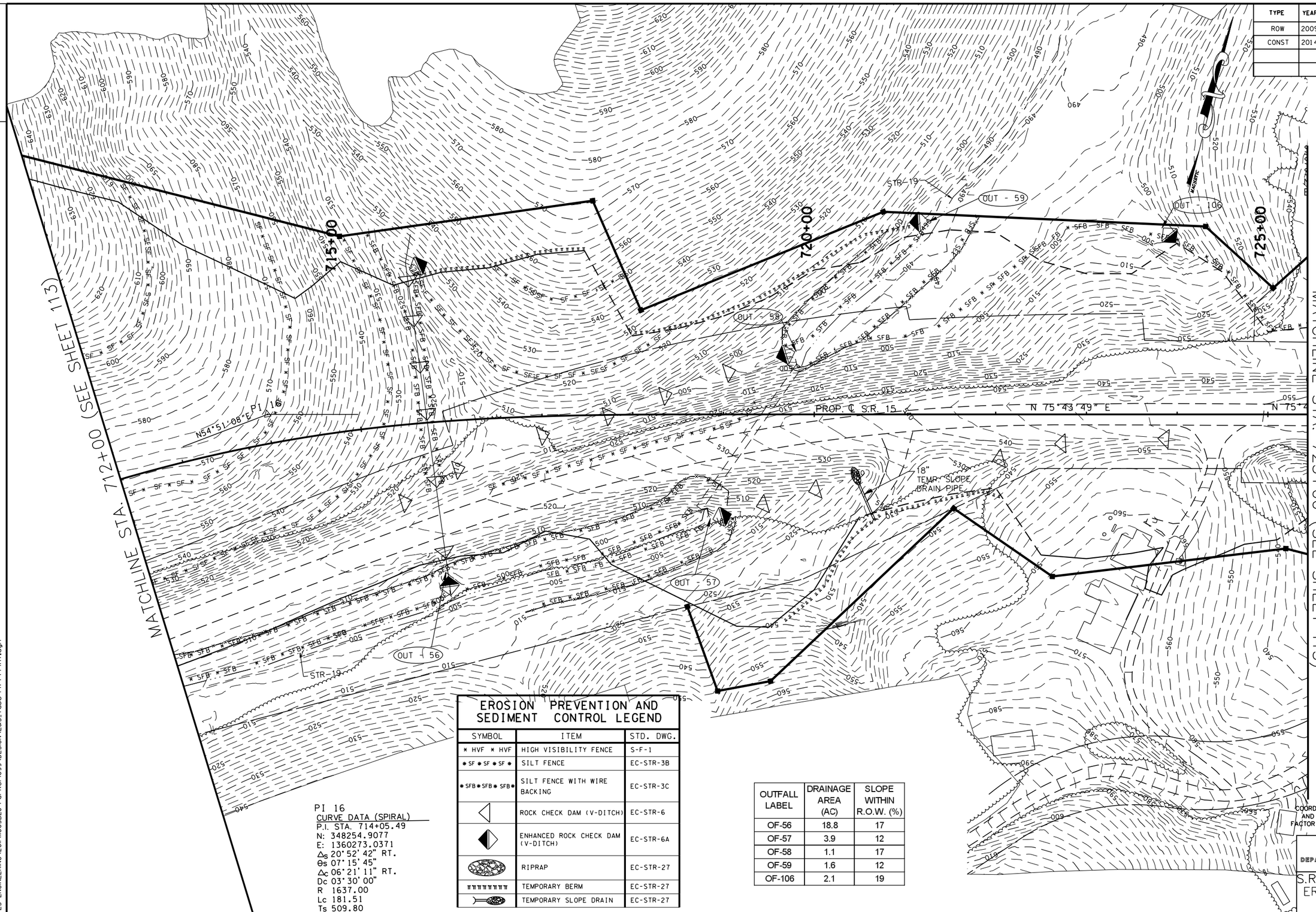
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	114
CONST	2014	36001-3290-14	114



PI 16
CURVE DATA (SPIRAL)
P.I. STA. 714+05.49
N: 348254.9077
E: 1360273.0371
Δ_s 20° 52' 42" RT.
θ_s 07° 15' 45"
Δ_c 06° 21' 11" RT.
Dc 03° 30' 00"
R 1637.00
Lc 181.51
Ts 509.80
Ls 415
SE 0.077
DESIGN SPEED 65 M.P.H.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
* 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
	RIPRAP	EC-STR-27
	TEMPORARY BERM	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-56	18.8	17
OF-57	3.9	12
OF-58	1.1	17
OF-59	1.6	12
OF-106	2.1	19

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 712+00 TO 725+00
SCALE: 1" = 50'

8/9/2014
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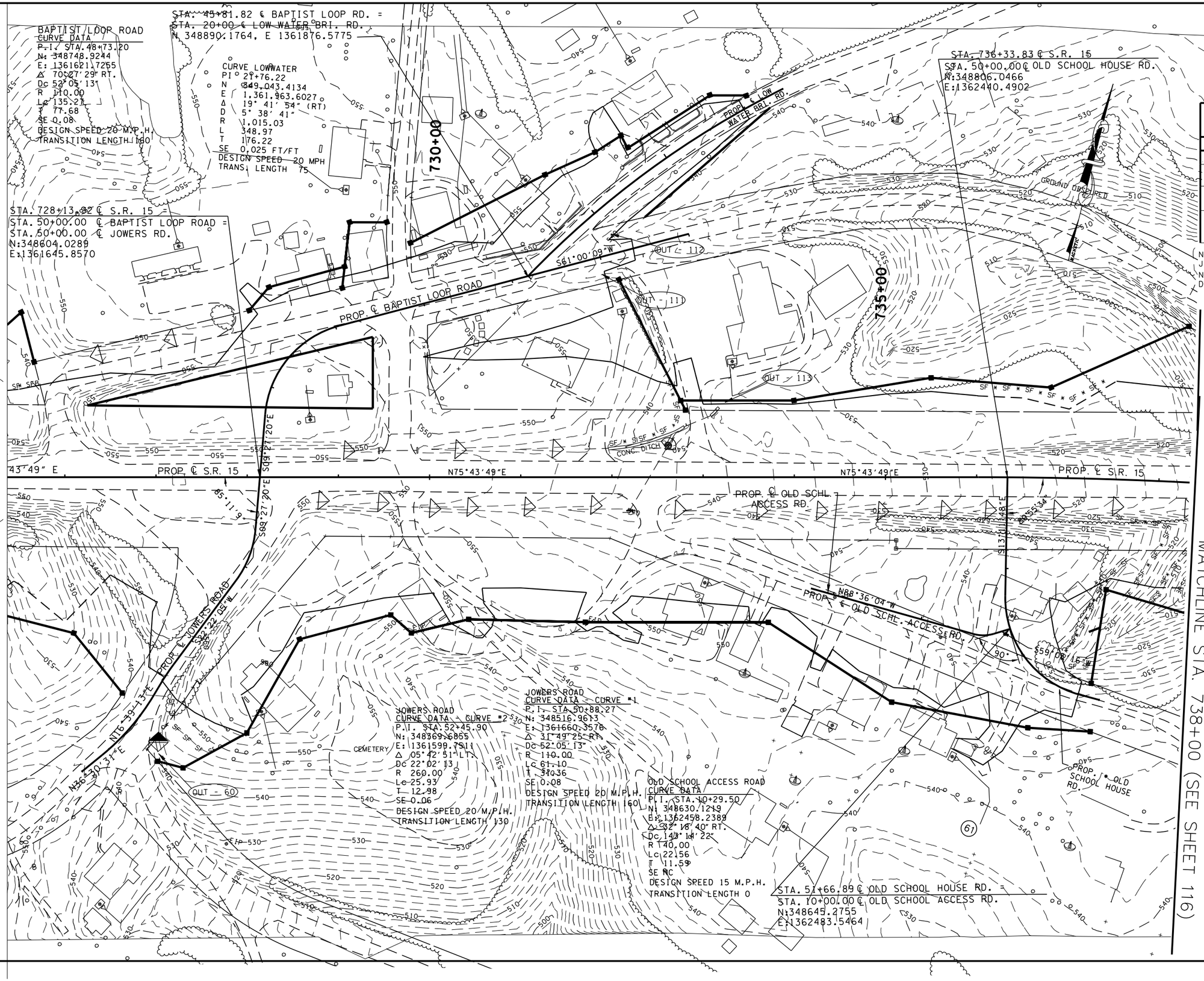
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	115
CONST	2014	36001-3290-14	115



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-60	0.3	9
OF-111	0.3	6
OF-112	0.2	4
OF-113	1.2	3

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 725+00 TO 738+00
SCALE: 1" = 50'

8/9/2014
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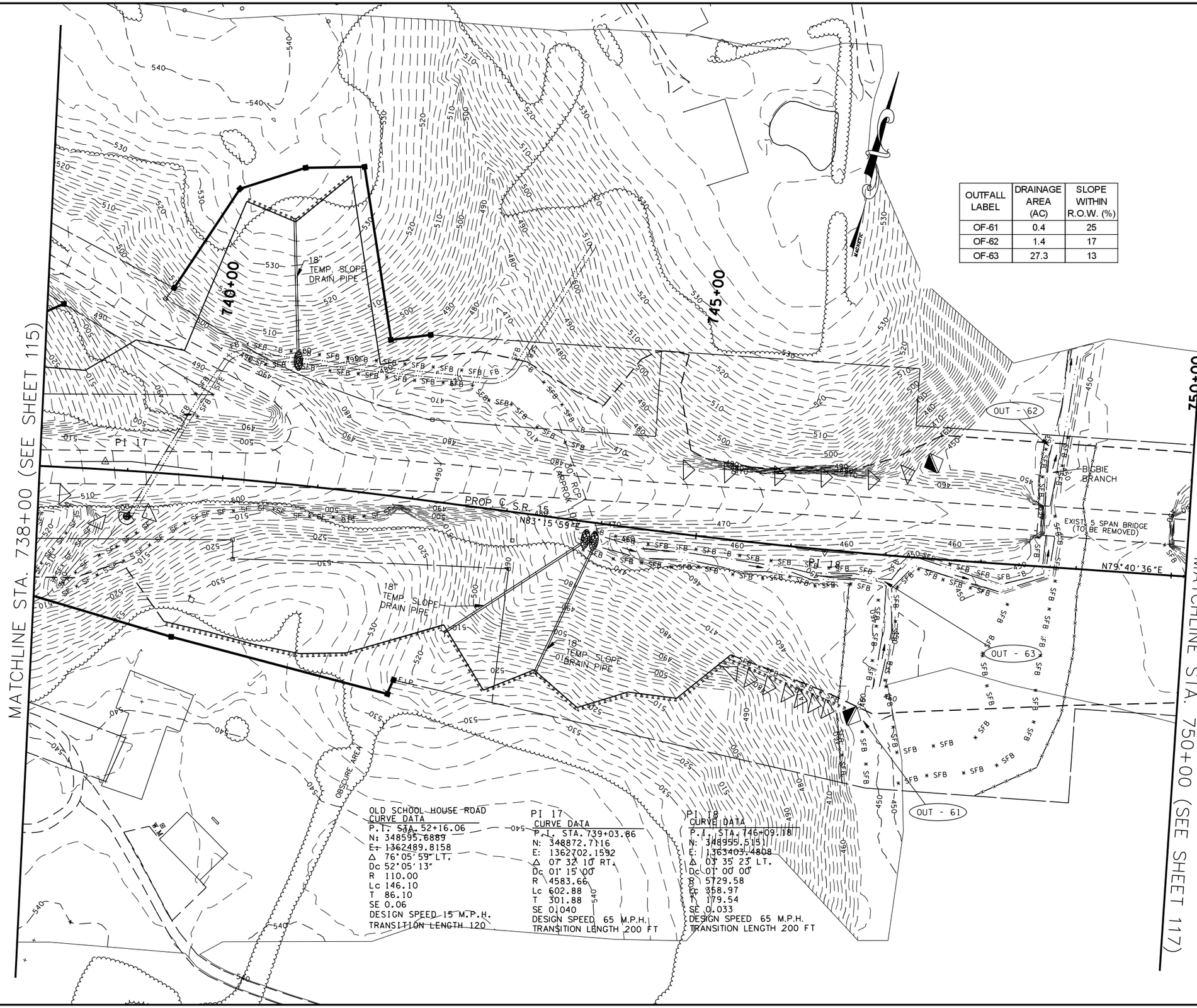
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	116
CONST	2014	36001-3290-14	116



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-61	0.4	25
OF-62	1.4	17
OF-63	27.3	13

OLD SCHOOL HOUSE ROAD
CURVE DATA
P.I. STA. 52+16.06
N: 348595.6889
E: 1362489.8158
Δ 76°05'59" LT.
Dc 52°05'13"
R 110.00
Lc 146.10
T 86.10
SE 0.06
DESIGN SPEED 15 M.P.H.
TRANSITION LENGTH 120

PI 17
CURVE DATA
P.I. STA. 739+03.86
N: 348872.7116
E: 1362702.1592
Δ 07°32'10" RT.
Dc 01°15'00"
R 4583.66
Lc 602.88
T 301.88
SE 0.040
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

PI 18
CURVE DATA
P.I. STA. 746+09.78
N: 348955.5151
E: 1363403.4808
Δ 03°35'23" LT.
Dc 01°00'00"
R 5729.58
Lc 358.97
T 179.54
SE 0.033
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
* 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
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27

NOTE: SF / SFB NOT ON CONTOUR SHOULD HAVE J-HOOKS ADDED.

NOTE: ALL CHECK DAMS TO BE SPACED PER STD. DWGS. EC-STR-6 &/OR EC-STR-6A.

BIRDEL F. JACKSON III
STATE OF TENNESSEE
8/19/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE I
STA. 738+00 TO 750+00
SCALE: 1" = 50'

8/9/2014
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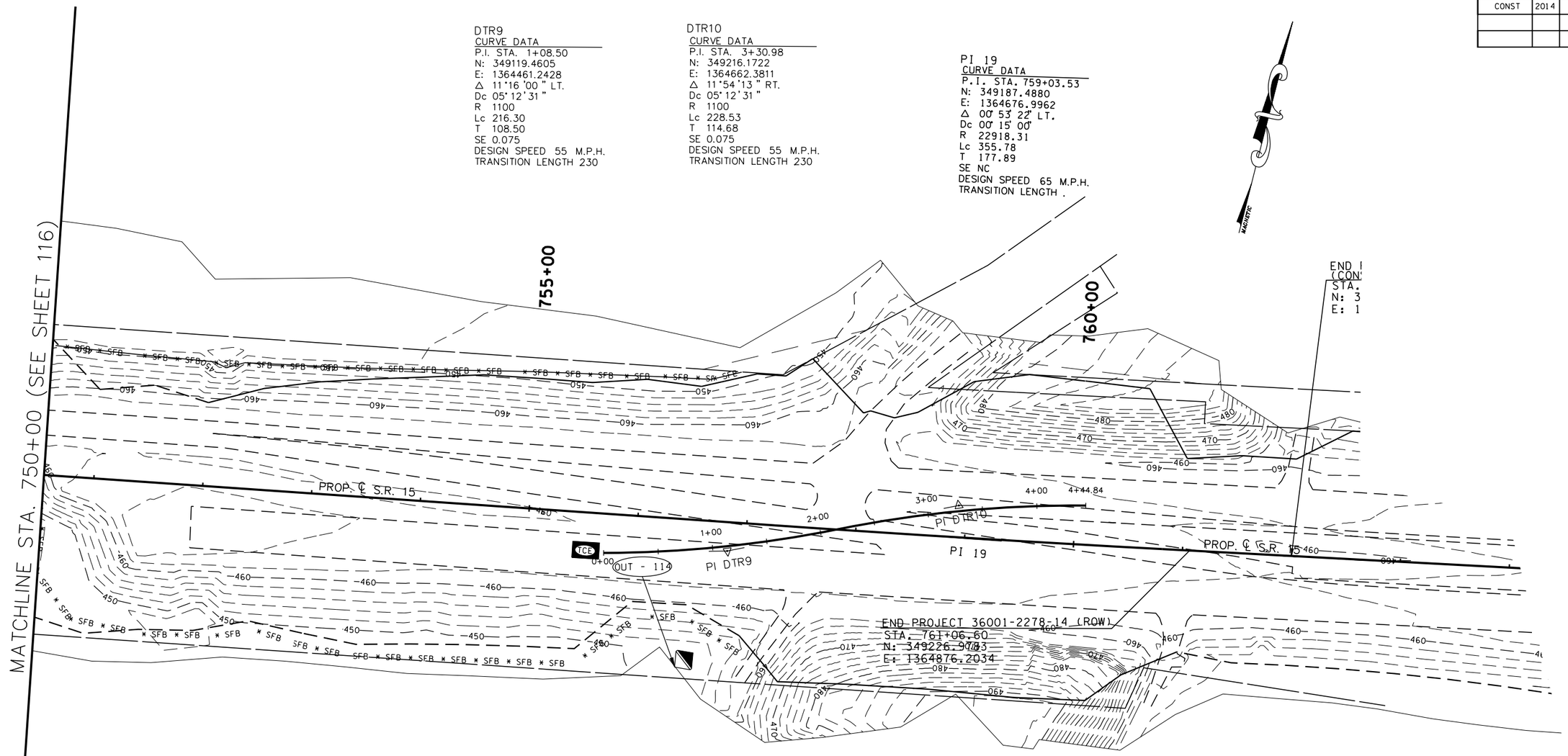
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	117
CONST	2014	36001-3290-14	117

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

DTR9
CURVE DATA
P.I. STA. 1+08.50
N: 349119.4605
E: 1364461.2428
Δ 11°16'00" LT.
Dc 05°12'31"
R 1100
Lc 216.30
T 108.50
SE 0.075
DESIGN SPEED 55 M.P.H.
TRANSITION LENGTH 230

DTR10
CURVE DATA
P.I. STA. 3+30.98
N: 349216.1722
E: 1364662.3811
Δ 11°54'13" RT.
Dc 05°12'31"
R 1100
Lc 228.53
T 114.68
SE 0.075
DESIGN SPEED 55 M.P.H.
TRANSITION LENGTH 230

PI 19
CURVE DATA
P.I. STA. 759+03.53
N: 349187.4880
E: 1364676.9962
Δ 00°53'22" LT.
Dc 00°15'00"
R 22918.31
Lc 355.78
T 177.89
SE NC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH .



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
SFB SFB SFB	SILT FENCE WITH WIRE BACKING	EC-STR-3C
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-116	0.8	15

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL PLAN
PHASE I
STA. 750+00 TO EOP
SCALE: 1" = 50'

8/9/2014
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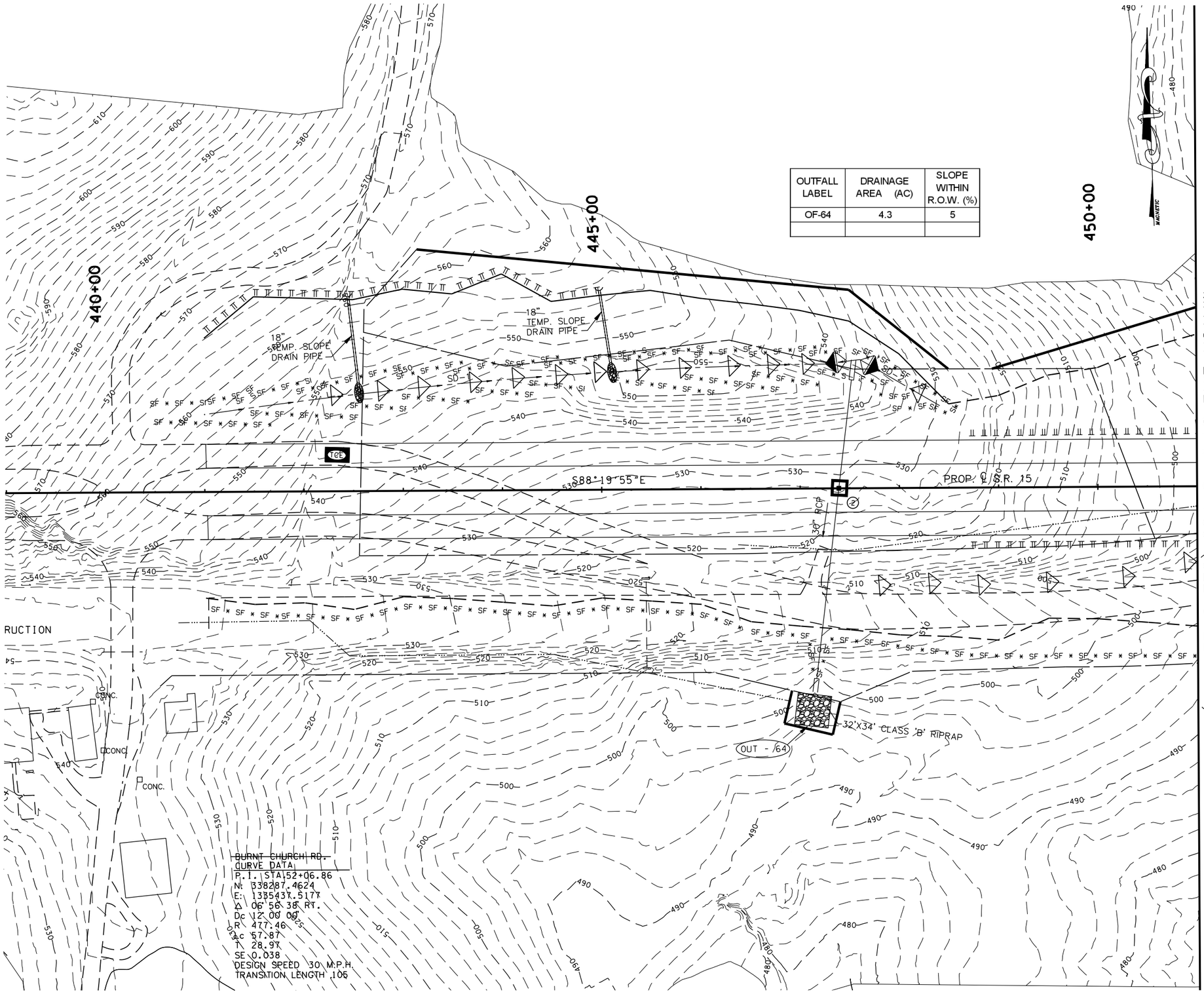
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	118
CONST	2014	36001-3290-14	118



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-64	4.3	5

MATCH LINE STA. 451+00 (SEE SHEET 118)

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SF SF SF SF	SILT FENCE	EC-STR-3B
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	TEMPORARY SLOPE DRAIN	EC-STR-27
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 420+00 TO 451+00
SCALE: 1" = 50'

8/9/2014
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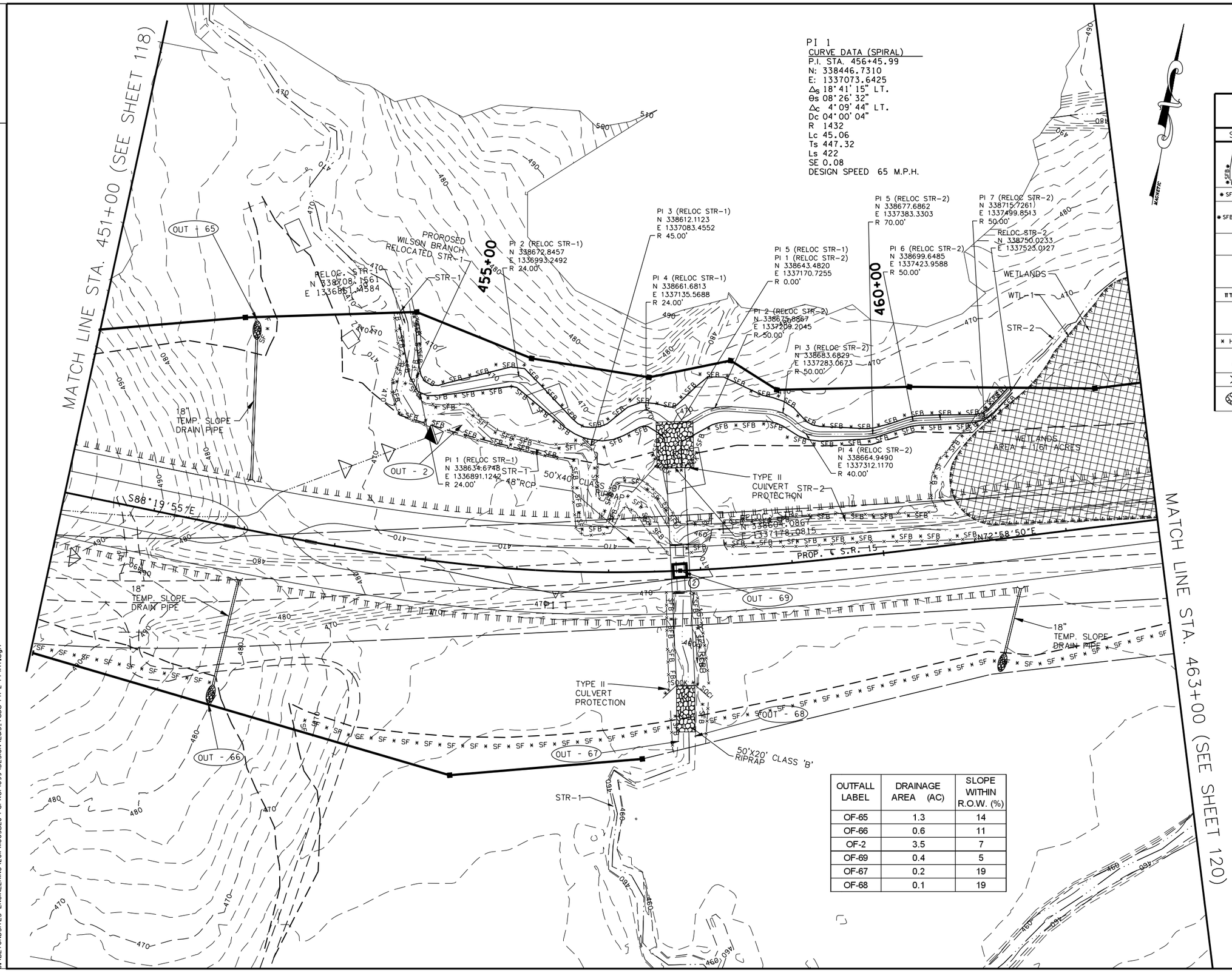
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	119
CONST	2014	36001-3290-14	119



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-65	1.3	14
OF-66	0.6	11
OF-2	3.5	7
OF-69	0.4	5
OF-67	0.2	19
OF-68	0.1	19

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB	SEDIMENT FILTER BAG	EC-STR-2
SF	SILT FENCE	EC-STR-3B
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
	TEMPORARY BERM	EC-STR-27
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
HVF	HIGH VISIBILITY FENCE	S-F-1
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
	TEMPORARY SLOPE DRAIN	EC-STR-27
	RIPRAP	EC-STR-27

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 451+00 TO 463+00
SCALE: 1" = 50'

8/9/2014
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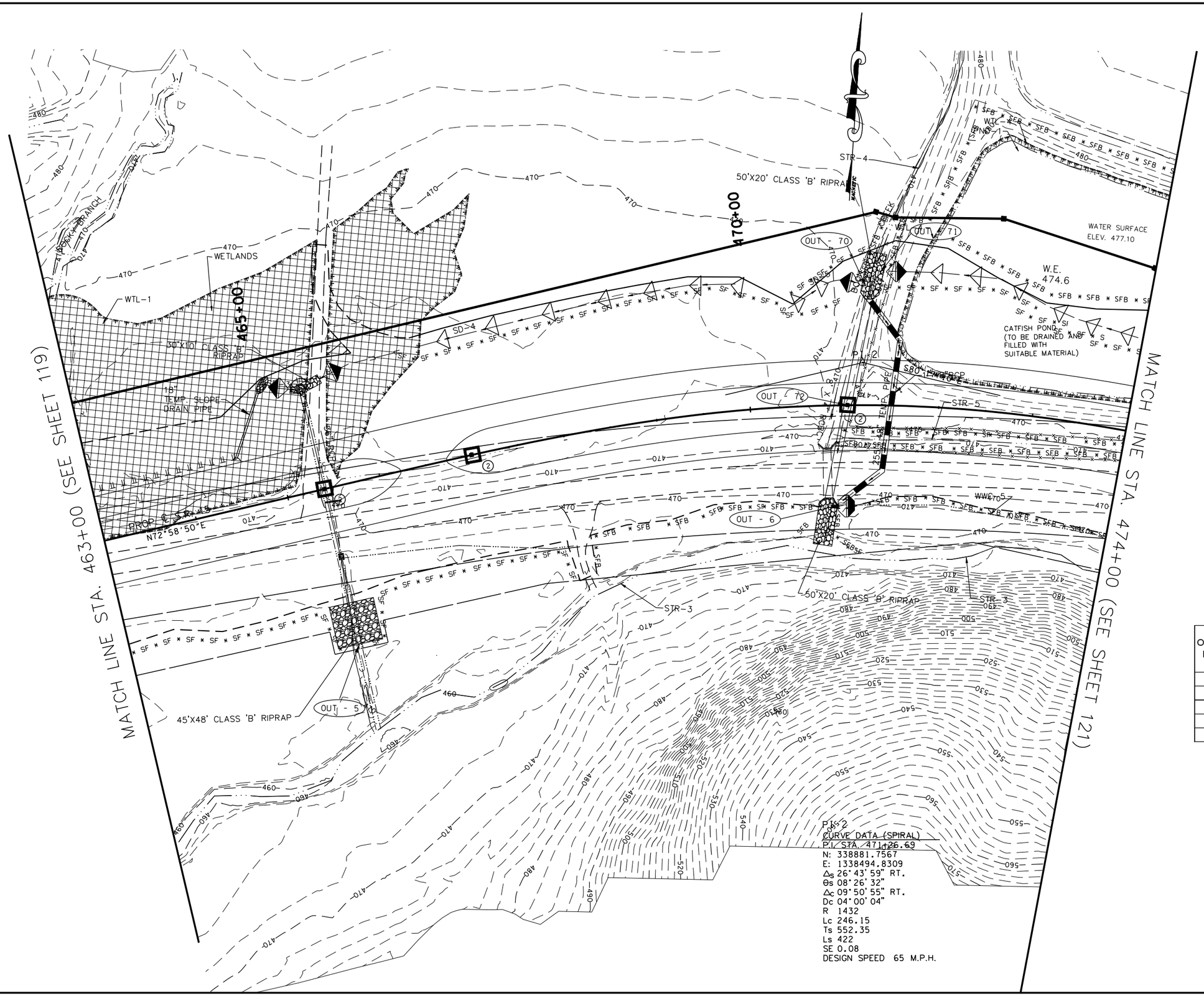
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	120
CONST	2014	36001-3290-14	120



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB	SEDIMENT FILTER BAG	EC-STR-2
SF	SILT FENCE	EC-STR-3B
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
	TEMPORARY BERM	EC-STR-27
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	RIPRAP	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27
HVF	HIGH VISIBILITY FENCE	S-F-1

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-5	5.6	1
OF-72	0.8	2
OF-6	3.2	2
OF-70	0.2	4
OF-71	2.3	4

BIRDEL F. JACKSON II
REGISTERED ENGINEER
NO. 112000
STATE OF TENNESSEE
8/9/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL PLAN
PHASE II
STA. 463+00 TO 474+00
SCALE: 1" = 50'

8/9/2014
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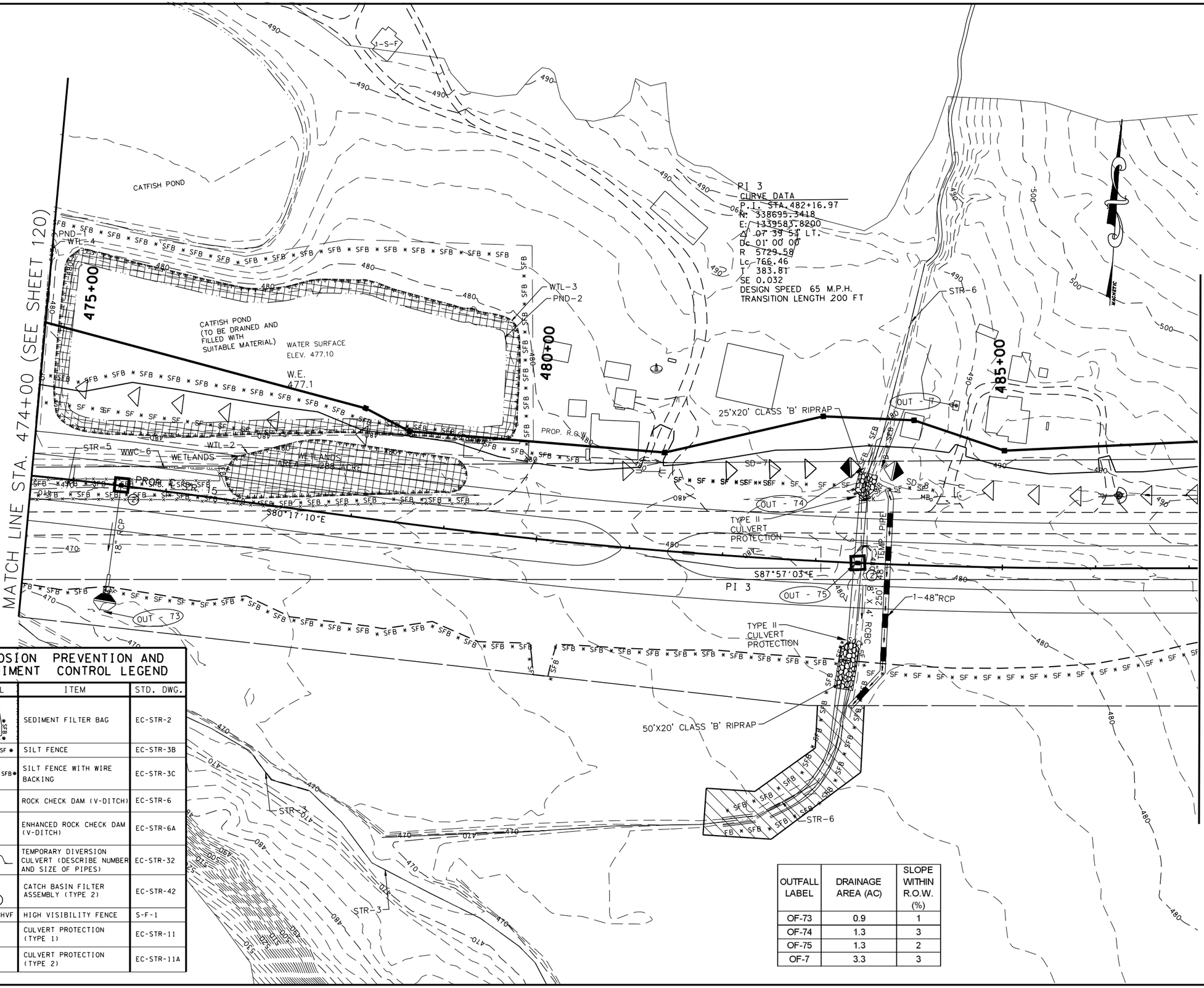
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	121
CONST	2014	36001-3290-14	121



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB	SEDIMENT FILTER BAG	EC-STR-2
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-73	0.9	1
OF-74	1.3	3
OF-75	1.3	2
OF-7	3.3	3

BIRDIE F. JACKSON III
STATE OF TENNESSEE
14

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 474+00 TO 486+50
SCALE: 1" = 50'

8/9/2014
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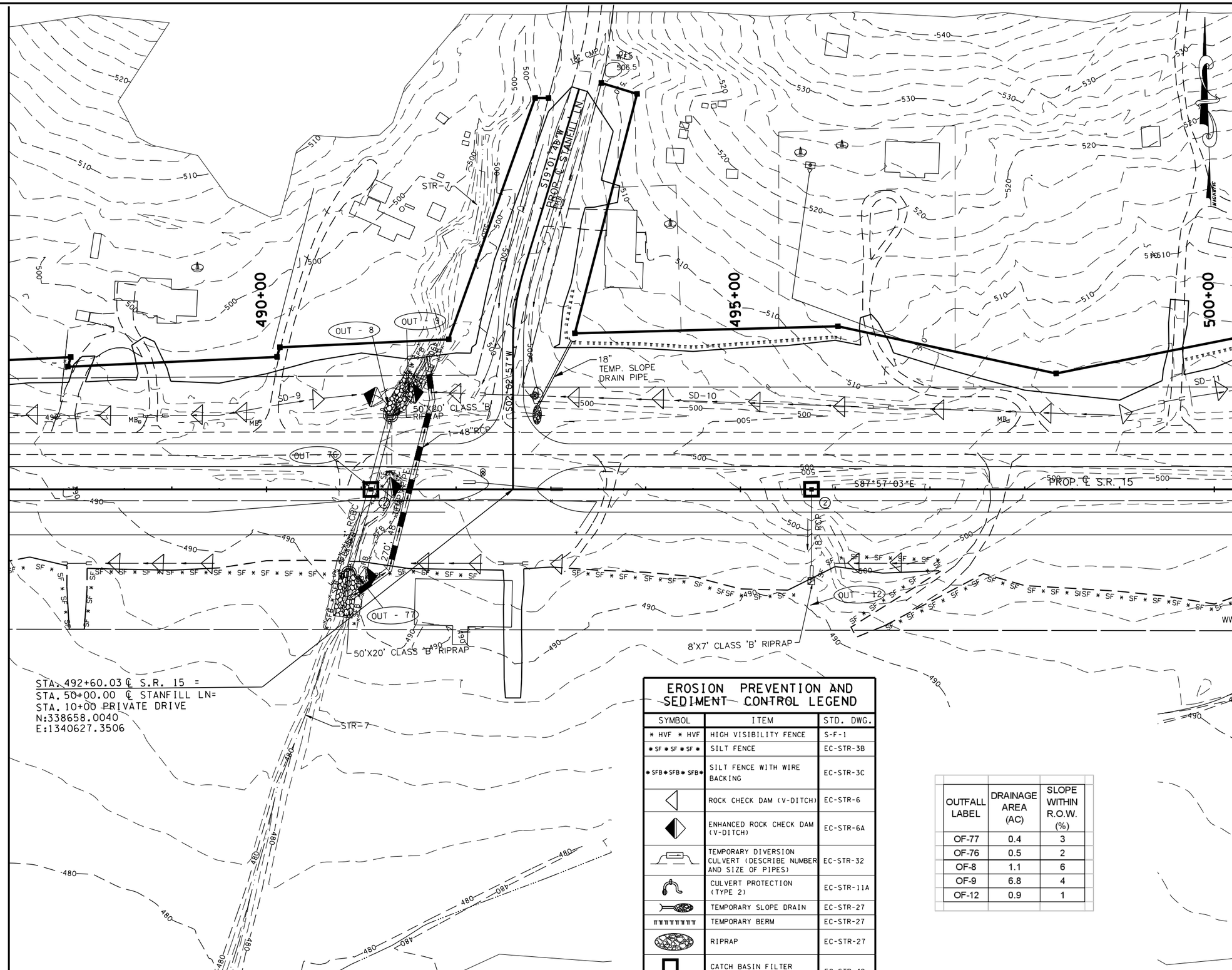
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	122
CONST	2014	36001-3290-14	122

MATCH LINE STA. 486+50 (SEE SHEET 121)



MATCH LINE STA. 499+50 (SEE SHEET 123)

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
* 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
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
	TEMPORARY SLOPE DRAIN	EC-STR-27
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-77	0.4	3
OF-76	0.5	2
OF-8	1.1	6
OF-9	6.8	4
OF-12	0.9	1

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 486+50 TO 499+50
SCALE: 1" = 50'

8/9/2014
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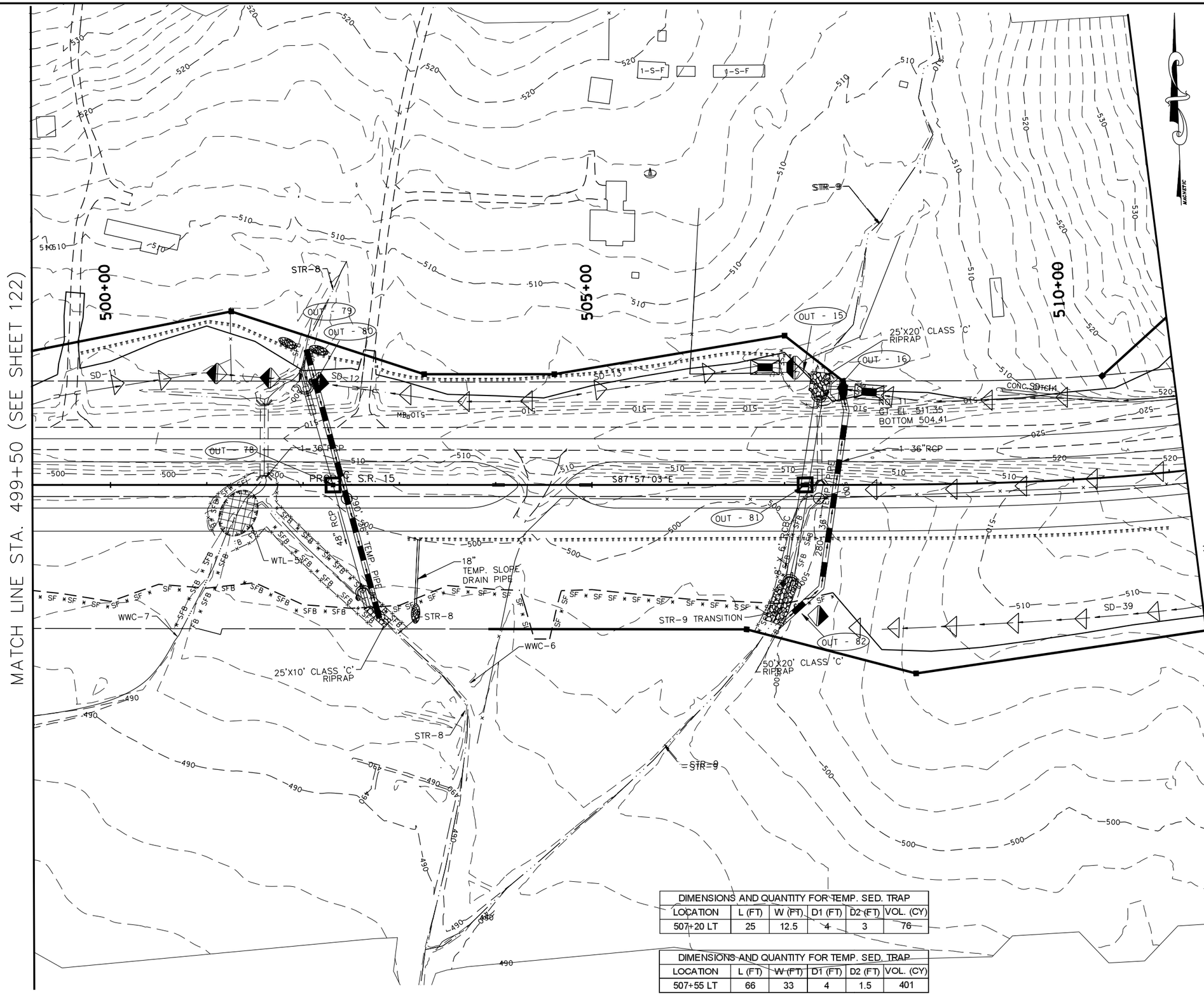
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	123
CONST	2014	36001-3290-14	123



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB	SEDIMENT FILTER BAG	EC-STR-2
SF	SILT FENCE	EC-STR-3B
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
HVF	HIGH VISIBILITY FENCE	S-F-1
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	TEMPORARY BERM	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27
	SEDIMENT TRAP WITH ENHANCED ROCK CHECK DAM	EC-STR-7
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
	RIPRAP	EC-STR-27
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-79	3.0	3
OF-80	1.8	6
OF-78	0.7	2
OF-82	2.1	4
OF-15	1.1	4
OF-81	1.2	2
OF-16	5.9	15

DIMENSIONS AND QUANTITY FOR TEMP. SED. TRAP					
LOCATION	L (FT)	W (FT)	D1 (FT)	D2 (FT)	VOL. (CY)
507+20 LT	25	12.5	4	3	76

DIMENSIONS AND QUANTITY FOR TEMP. SED. TRAP					
LOCATION	L (FT)	W (FT)	D1 (FT)	D2 (FT)	VOL. (CY)
507+55 LT	66	33	4	1.5	401

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL PLAN
PHASE II
STA. 499+50 TO 511+50
SCALE: 1" = 50'

8/9/2014
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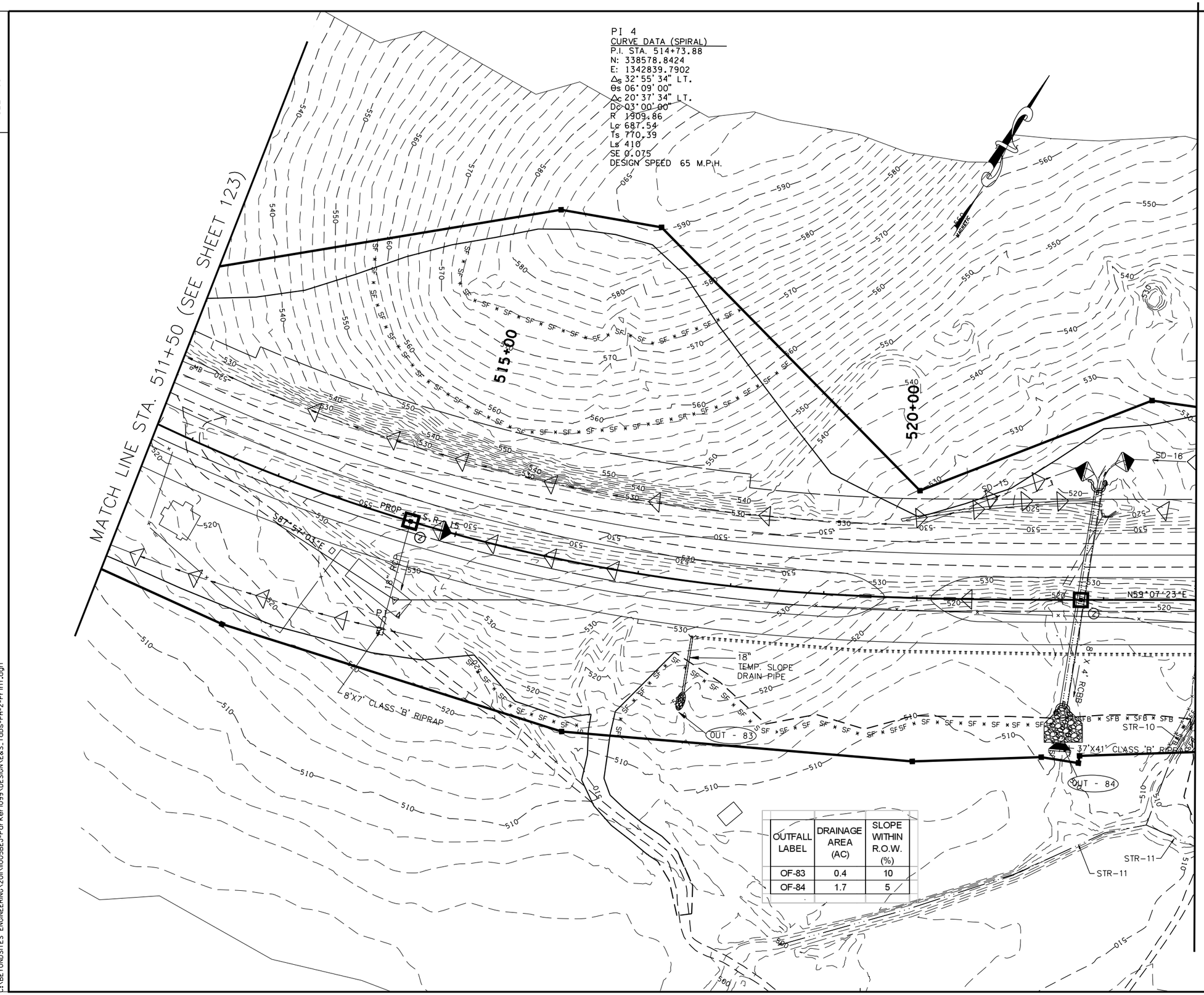
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	124
CONST	2014	36001-3290-14	124



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-83	0.4	10
OF-84	1.7	5

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB SFB SFB SFB	SEDIMENT FILTER BAG	EC-STR-2
SF SF SF SF	SILT FENCE	EC-STR-3B
SFB 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
HVF HVF	HIGH VISIBILITY FENCE	S-F-1
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	TEMPORARY BERM	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
	RIPRAP	EC-STR-27

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 511+50 TO 523+00
SCALE: 1" = 50'

8/9/2014
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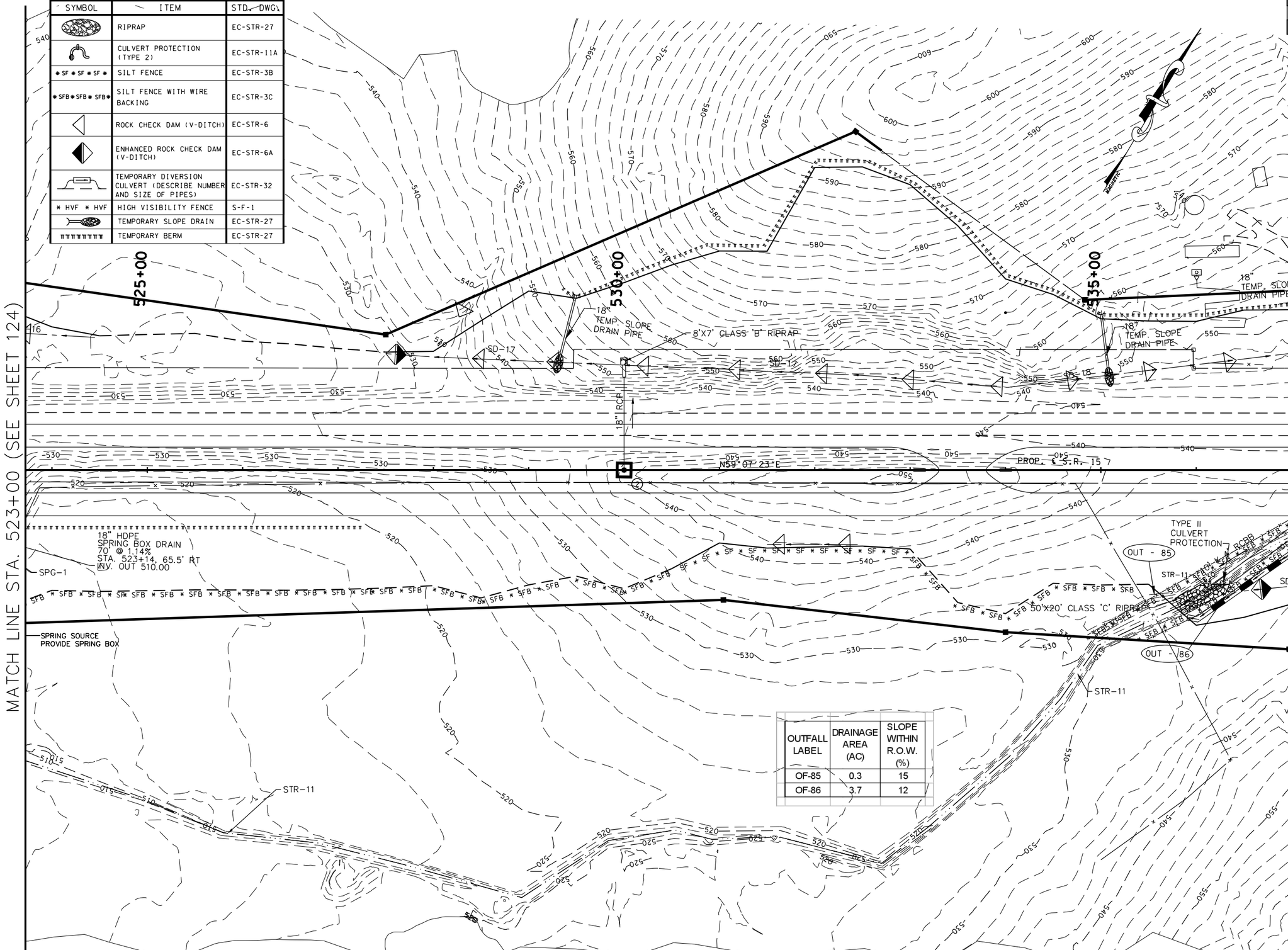
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	125
CONST	2014	36001-3290-14	125

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	RIPRAP	EC-STR-27
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
* 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
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
	TEMPORARY SLOPE DRAIN	EC-STR-27
	TEMPORARY BERM	EC-STR-27



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-85	0.3	15
OF-86	3.7	12

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL PLAN
PHASE II
STA. 523+00 TO 536+00
SCALE: 1" = 50'

8/9/2014
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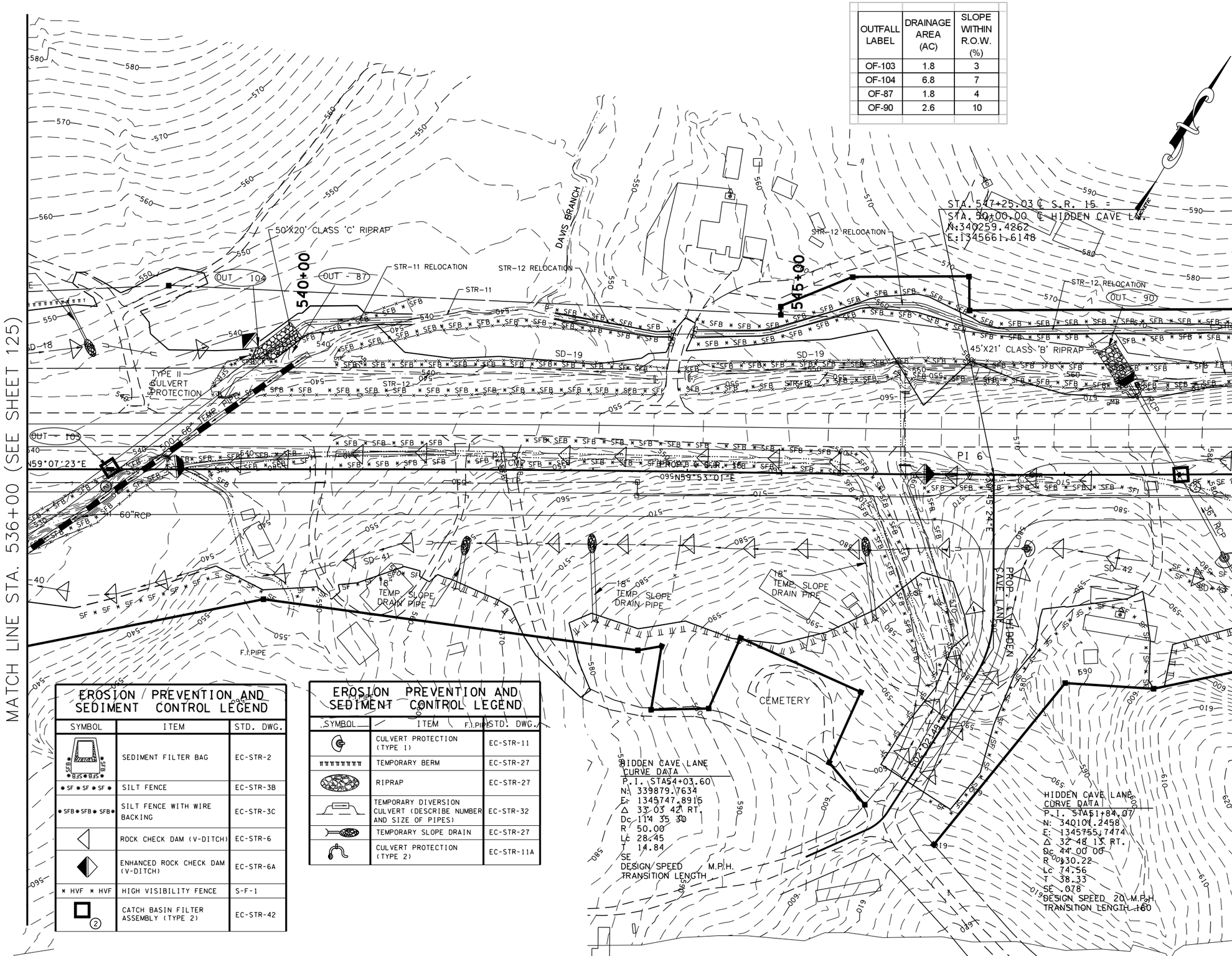
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	126
CONST	2014	36001-3290-14	126

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-103	1.8	3
OF-104	6.8	7
OF-87	1.8	4
OF-90	2.6	10



EROSION / PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB	SEDIMENT FILTER BAG	EC-STR-2
SF	SILT FENCE	EC-STR-3B
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
HVF	HIGH VISIBILITY FENCE	S-F-1
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
	TEMPORARY SLOPE DRAIN	EC-STR-27
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 536+00 TO 549+00
SCALE: 1" = 50'

8/9/2014
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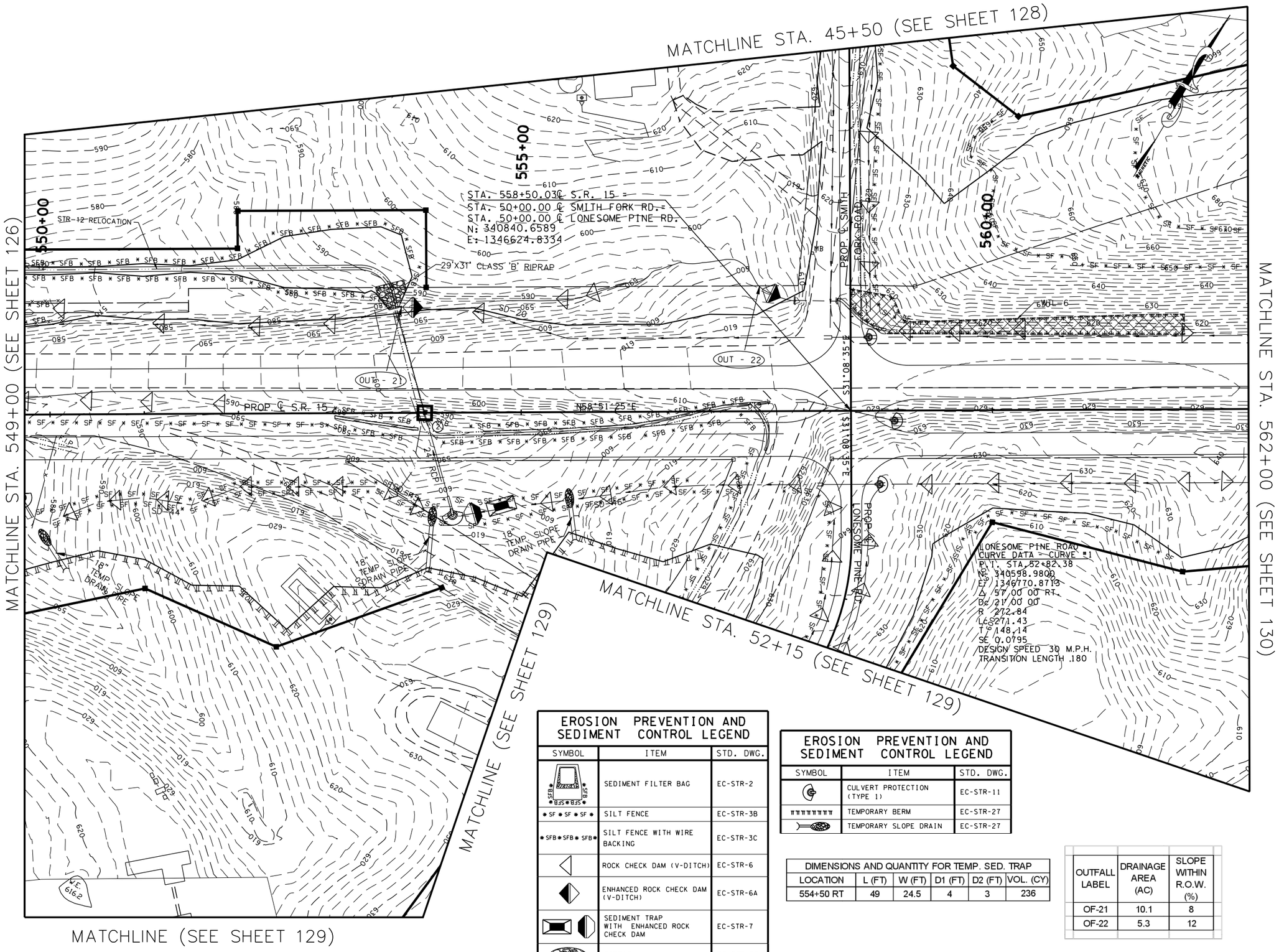
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	127
CONST	2014	36001-3290-14	127



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
SFB	SEDIMENT FILTER BAG	EC-STR-2
SF	SILT FENCE	EC-STR-3B
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
	SEDIMENT TRAP WITH ENHANCED ROCK CHECK DAM	EC-STR-7
	RIPRAP	EC-STR-27

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27

DIMENSIONS AND QUANTITY FOR TEMP. SED. TRAP					
LOCATION	L (FT)	W (FT)	D1 (FT)	D2 (FT)	VOL. (CY)
554+50 RT	49	24.5	4	3	236

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-21	10.1	8
OF-22	5.3	12

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 549+00 TO 562+00
SCALE: 1" = 50'

8/9/2014
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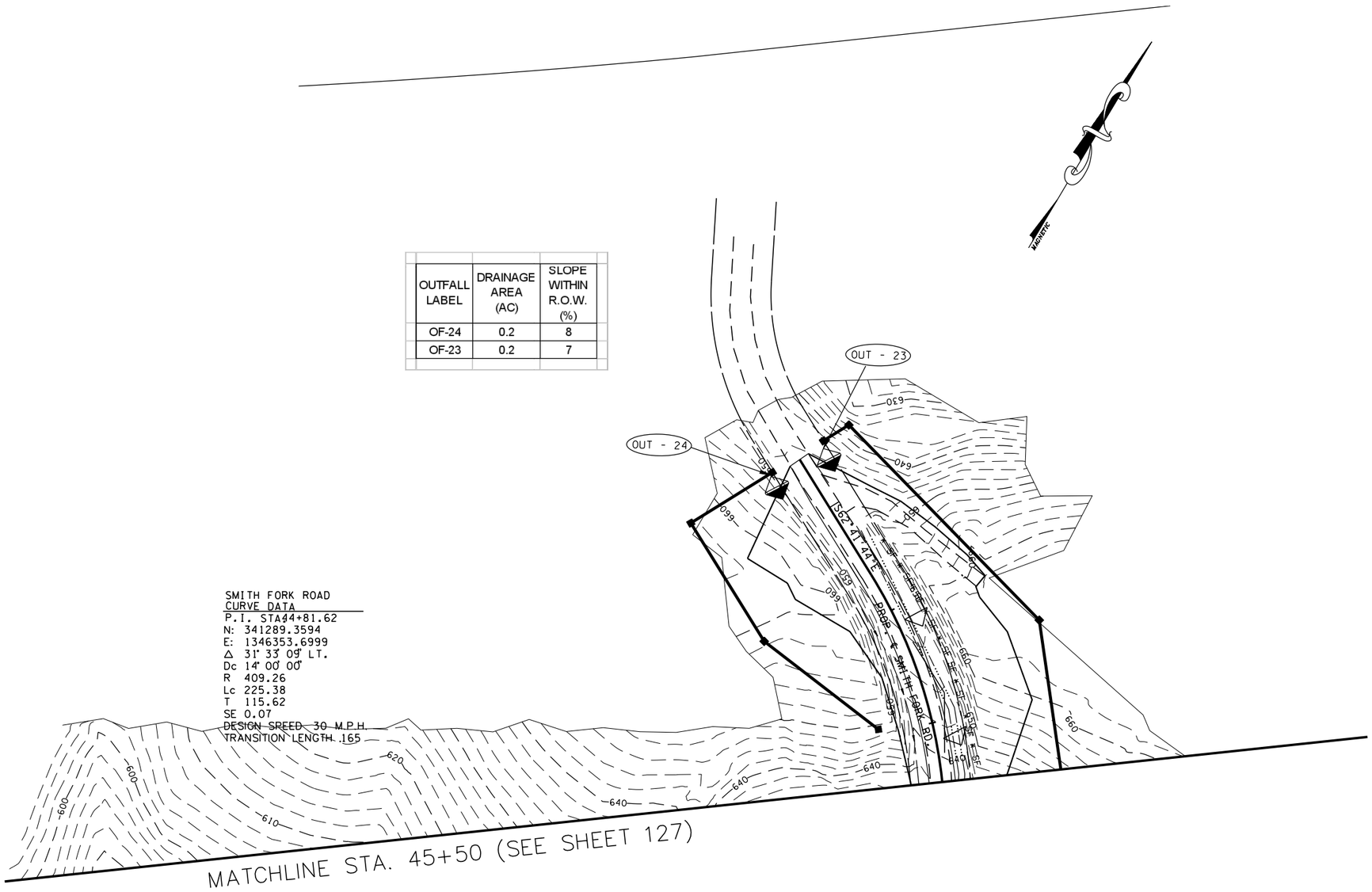
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	128
CONST	2014	36001-3290-14	128

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

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-24	0.2	8
OF-23	0.2	7



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
◁	ROCK CHECK DAM (V-DITCH)	EC-STR-6
SF SF SF SF	SILT FENCE	EC-STR-3B
◧	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
SMITH FORK ROAD
SCALE: 1" = 50'

8/9/2014
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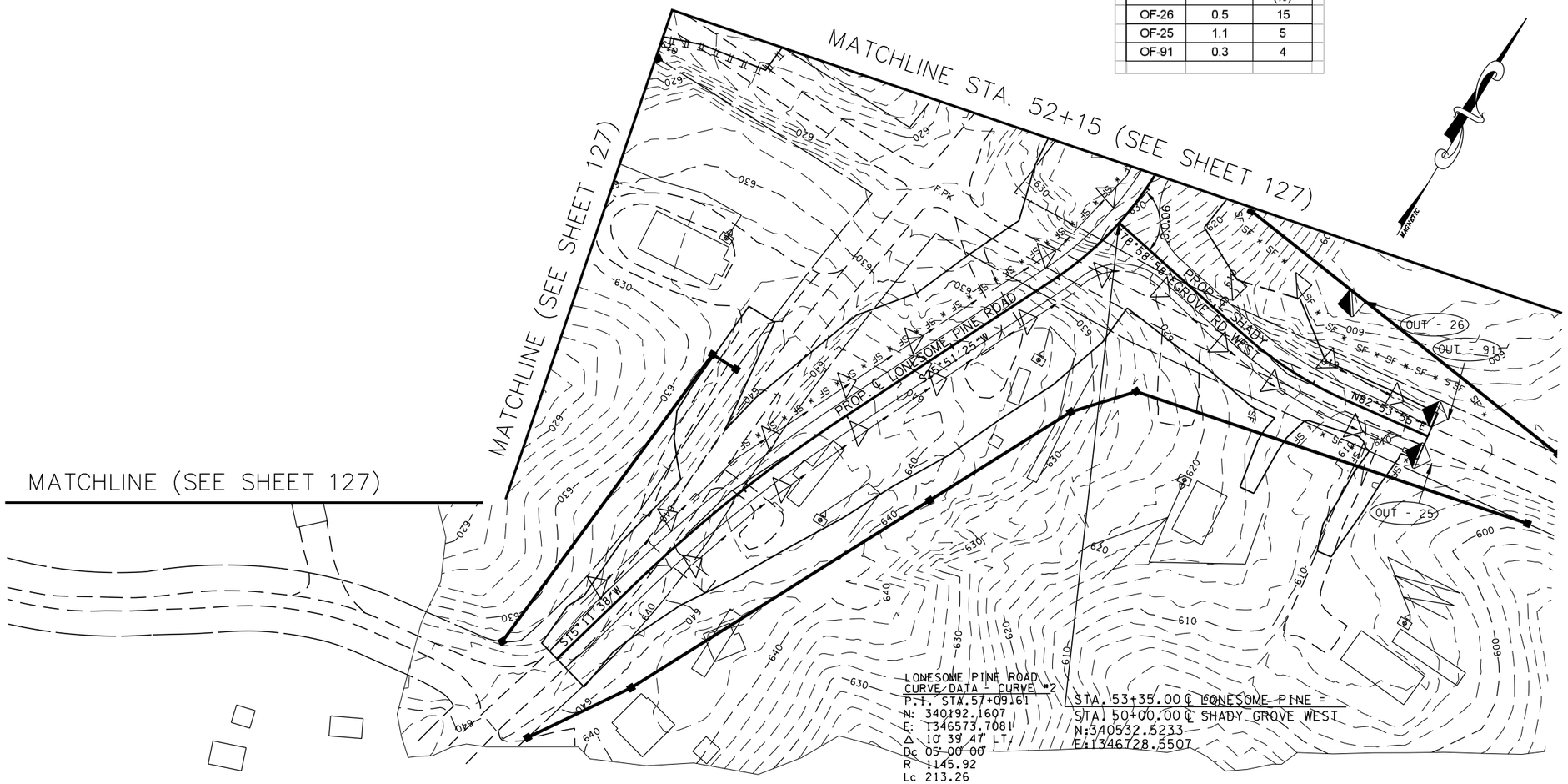
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	129
CONST	2014	36001-3290-14	129

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-26	0.5	15
OF-25	1.1	5
OF-91	0.3	4

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
TTTTTTTTT	TEMPORARY BERM	EC-STR-27
SF SF SF SF	SILT FENCE	EC-STR-3B
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II

LONE SOME PINE ROAD AND
SHADY GROVE ROAD WEST
SCALE: 1" = 50'

8/9/2014
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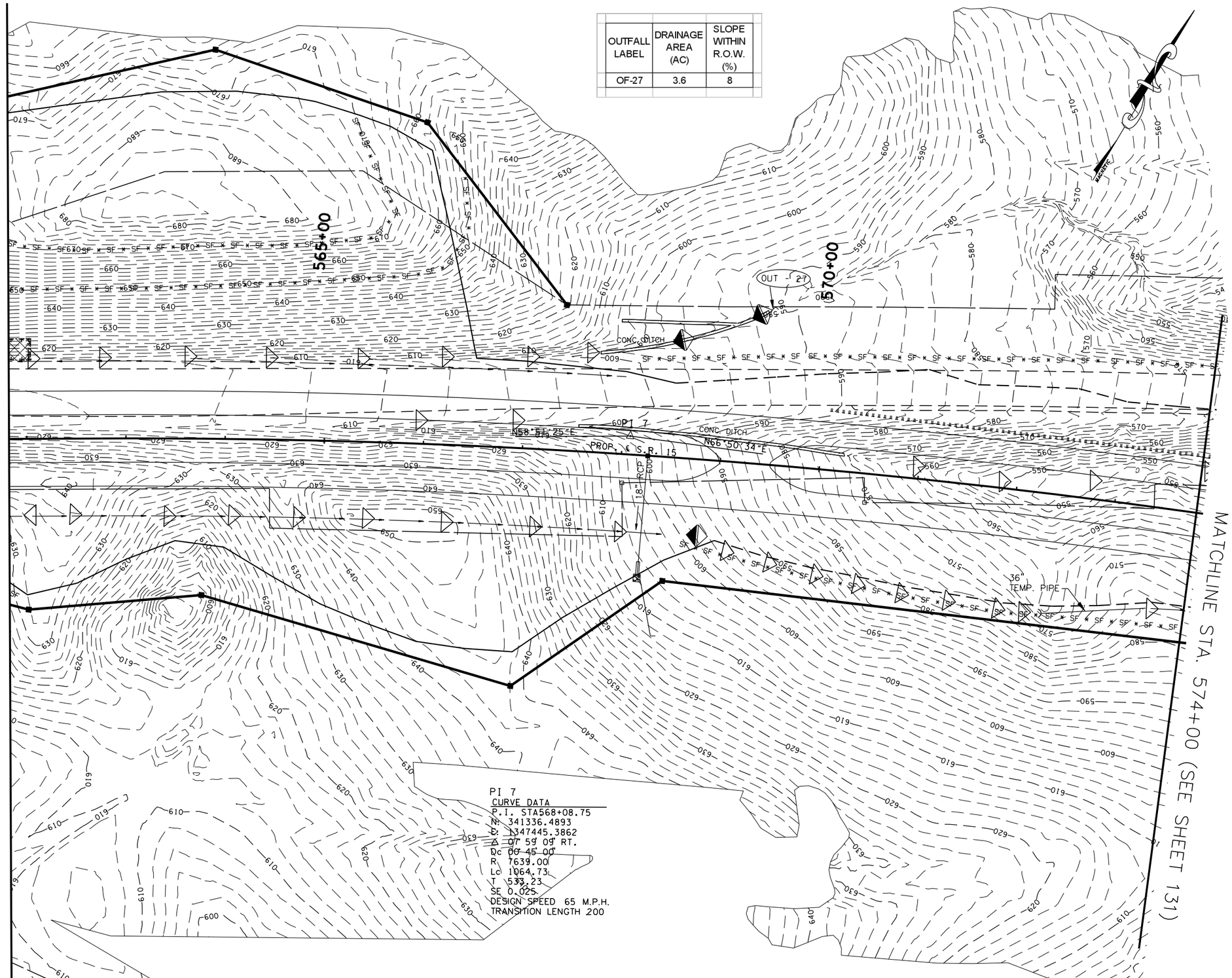
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	130
CONST	2014	36001-3290-14	130

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-27	3.6	8



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Dc 00° 45' 00"
R 7639.00
Lc 1064.73
T 533.23
SE 0.025
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SF SF SF SF	SILT FENCE	EC-STR-3B
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A

BIRDELL F. JACKSON II
STATE OF TENNESSEE
8/9/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 562+00 TO 574+00
SCALE: 1" = 50'

8/9/2014
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TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	131
CONST	2014	36001-3290-14	131

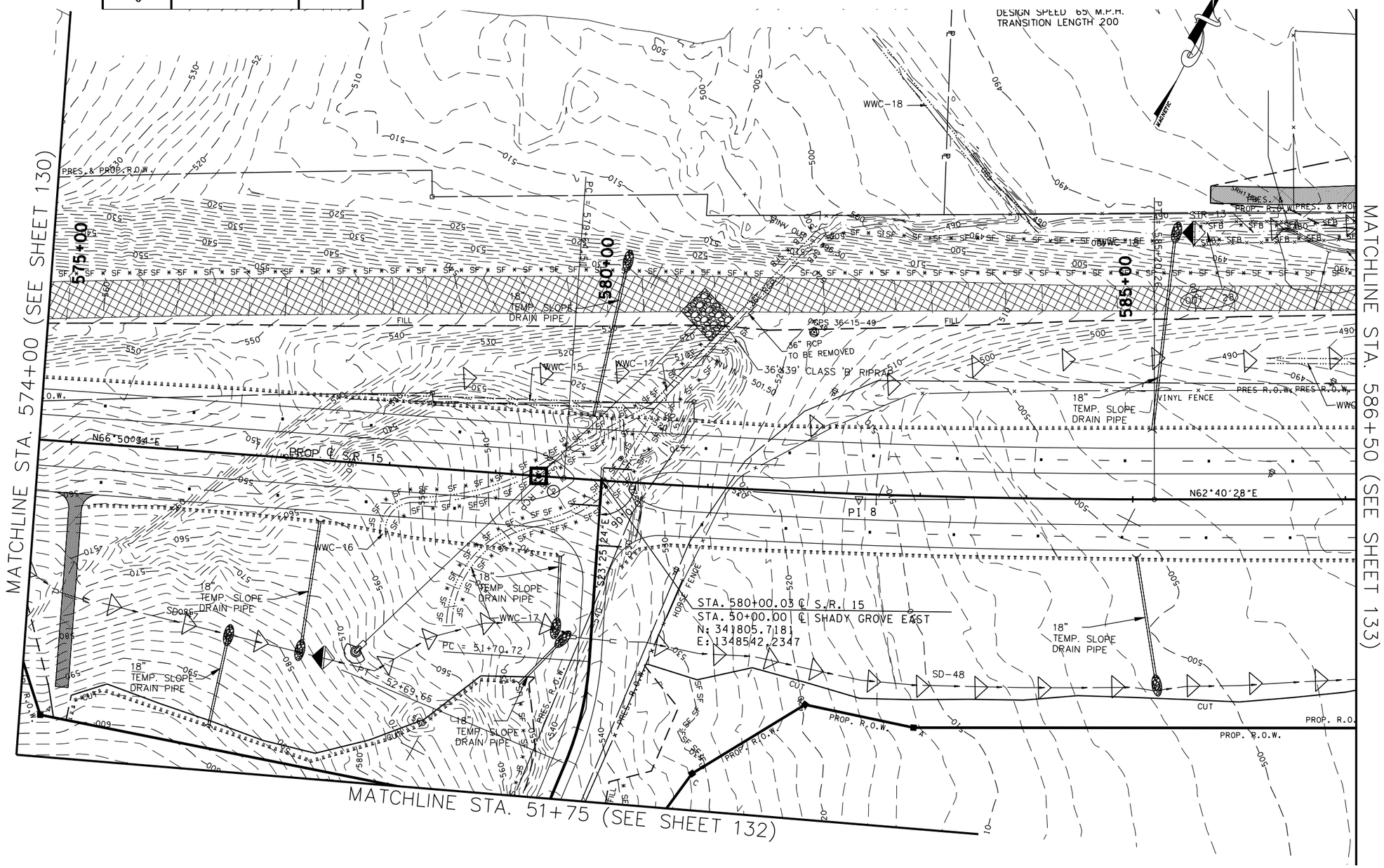
EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB SFB SFB SFB	SEDIMENT FILTER BAG	EC-STR-2
SF 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

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
HVF HVF	HIGH VISIBILITY FENCE	S-F-1
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	TEMPORARY SLOPE DRAIN	EC-STR-27

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-28	21.0	9



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL PLAN
PHASE II
STA. 574+00 TO 586+50
SCALE: 1" = 50'

8/9/2014
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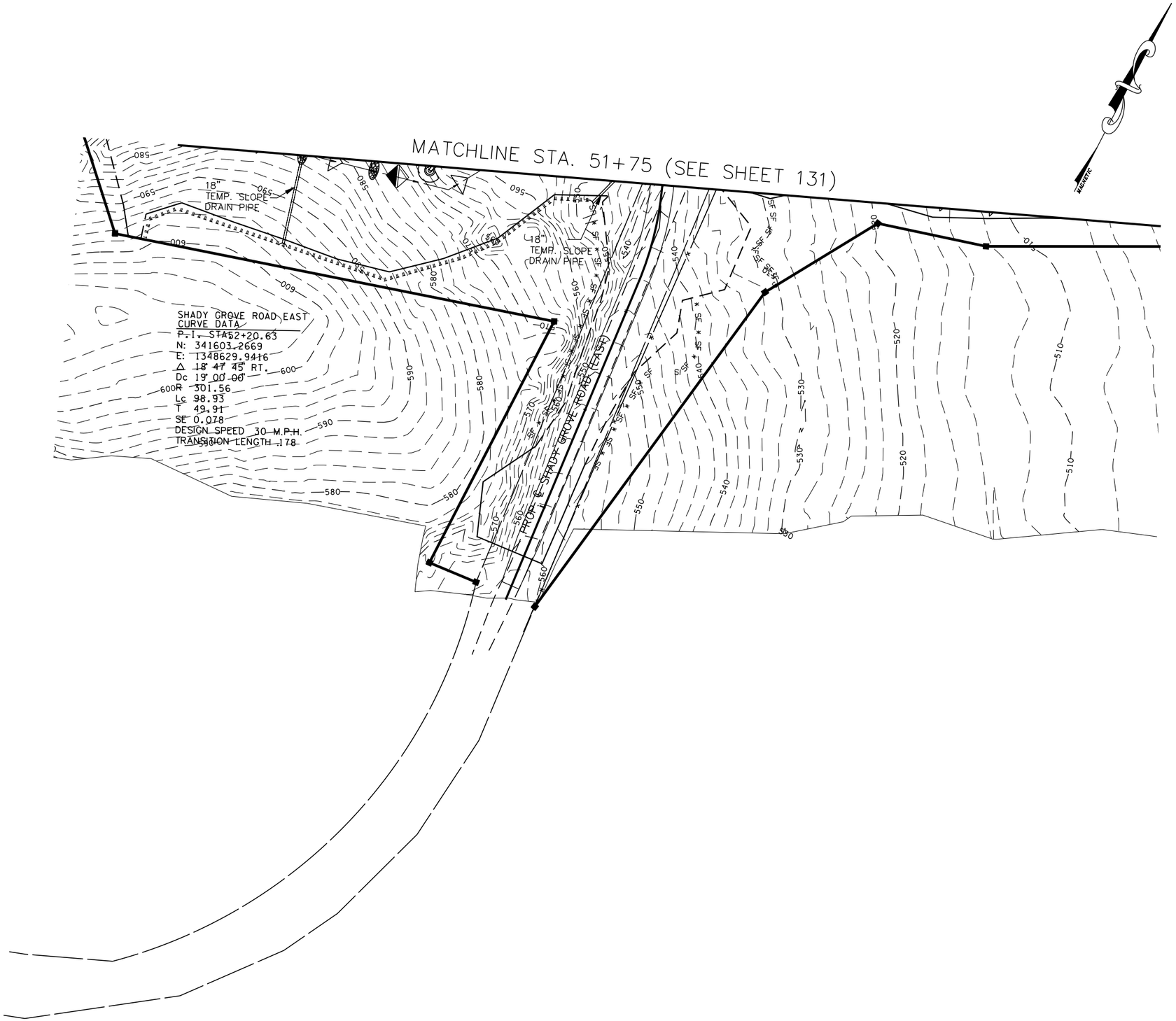
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	132
CONST	2014	36001-3290-14	132



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SF SF SF SF	SILT FENCE	EC-STR-3B
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE I)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
SHADY GROVE RD EAST
SCALE: 1" = 50'

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

8/9/2014
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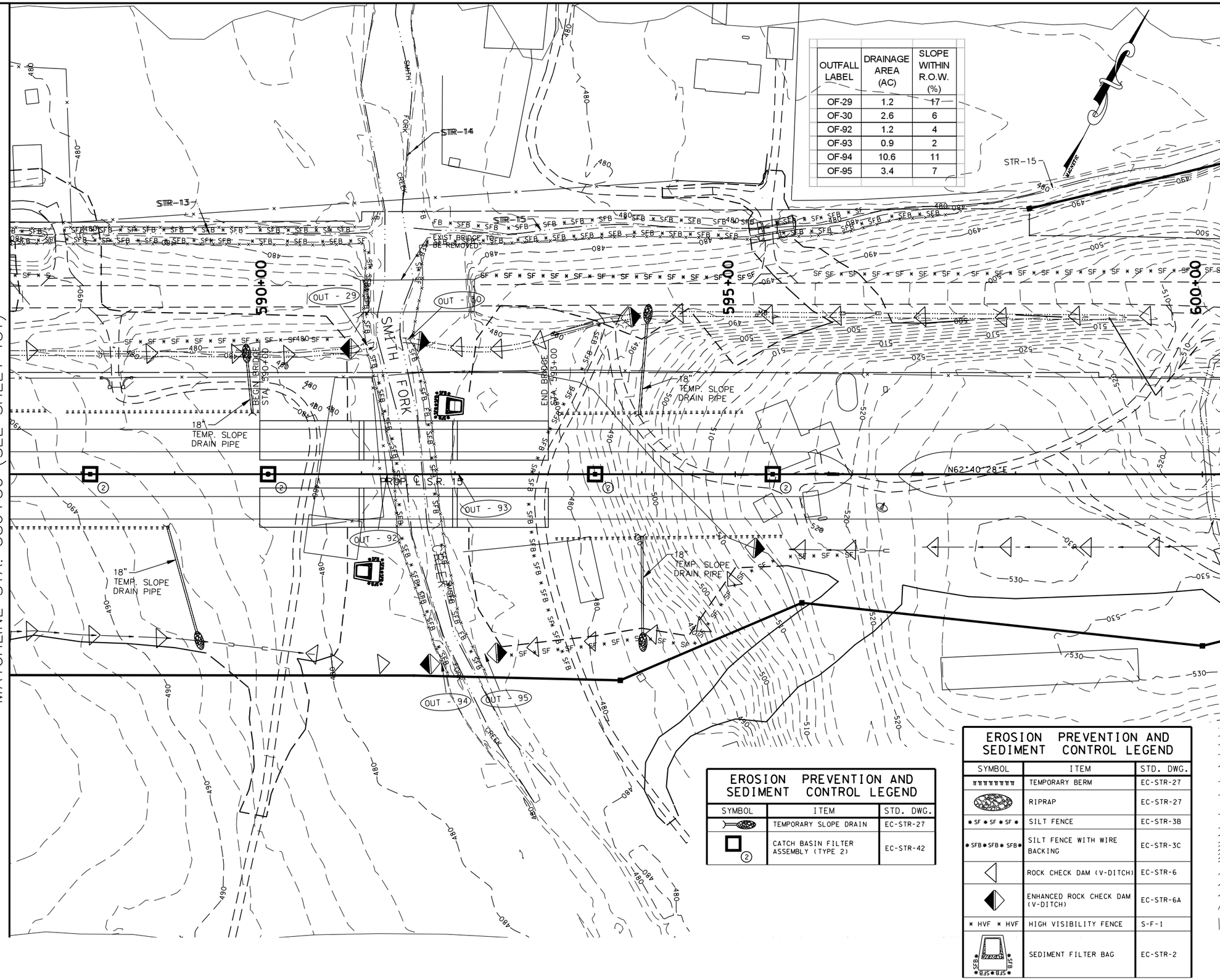
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	133
CONST	2014	36001-3290-14	133



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-29	1.2	17
OF-30	2.6	6
OF-92	1.2	4
OF-93	0.9	2
OF-94	10.6	11
OF-95	3.4	7

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	TEMPORARY SLOPE DRAIN	EC-STR-27
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
* 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
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
SFB SFB SFB SFB	SEDIMENT FILTER BAG	EC-STR-2

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL PLAN
PHASE II
STA. 586+50 TO 599+50
SCALE: 1" = 50'

8/9/2014
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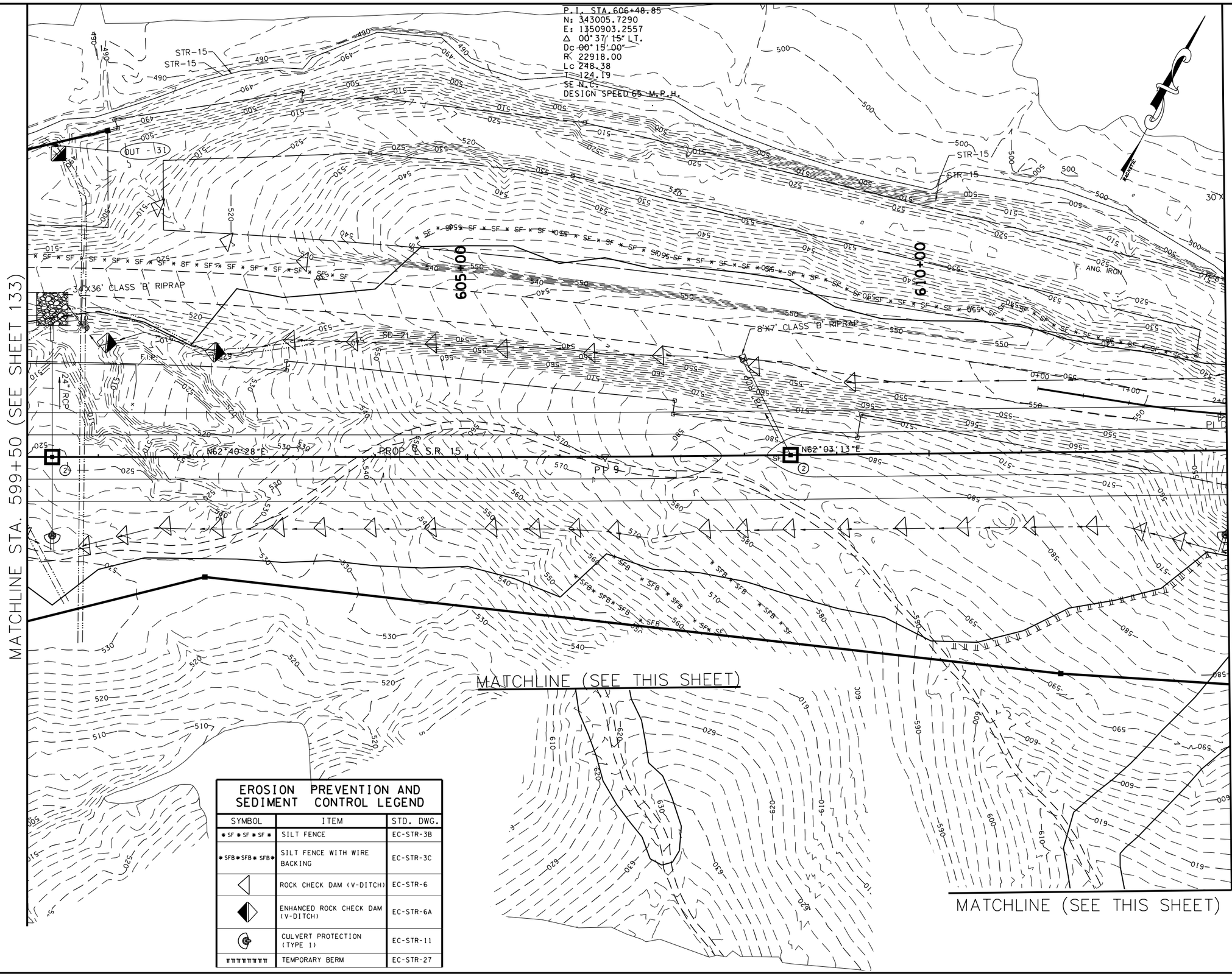
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	134
CONST	2014	36001-3290-14	134



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-31	4.7	3

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 599+50 TO 612+50
SCALE: 1" = 50'

8/9/2014
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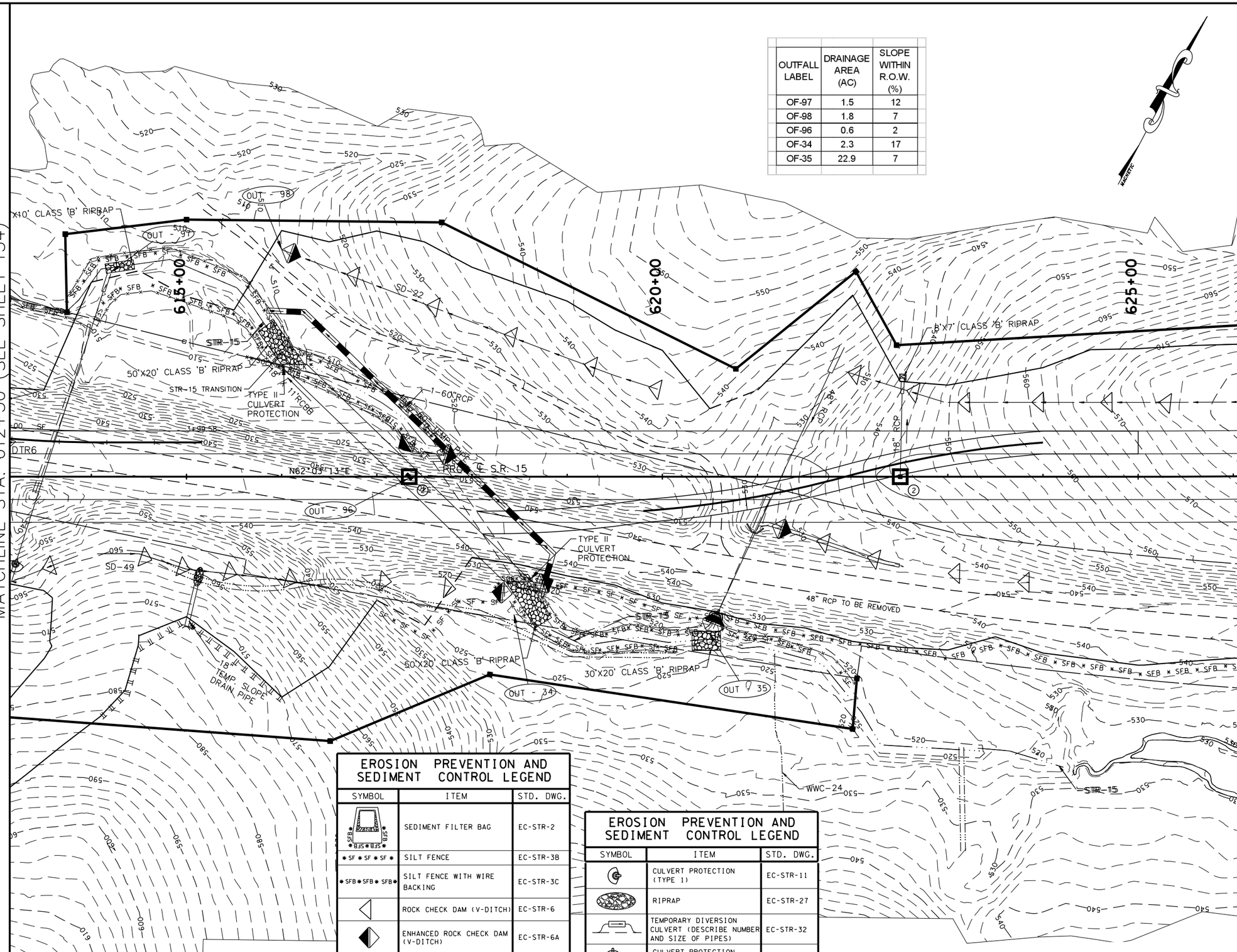
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	135
CONST	2014	36001-3290-14	135

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-97	1.5	12
OF-98	1.8	7
OF-96	0.6	2
OF-34	2.3	17
OF-35	22.9	7



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB	SEDIMENT FILTER BAG	EC-STR-2
SF	SILT FENCE	EC-STR-3B
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
HVF	HIGH VISIBILITY FENCE	S-F-1
	TEMPORARY BERM	EC-STR-27

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	RIPRAP	EC-STR-27
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
	TEMPORARY SLOPE DRAIN	EC-STR-27

BRIAN E. JACKSON
LICENSED PROFESSIONAL ENGINEER
STATE OF TENNESSEE

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL PLAN
PHASE II
STA. 612+50 TO 625+50
SCALE: 1" = 50'

8/9/2014
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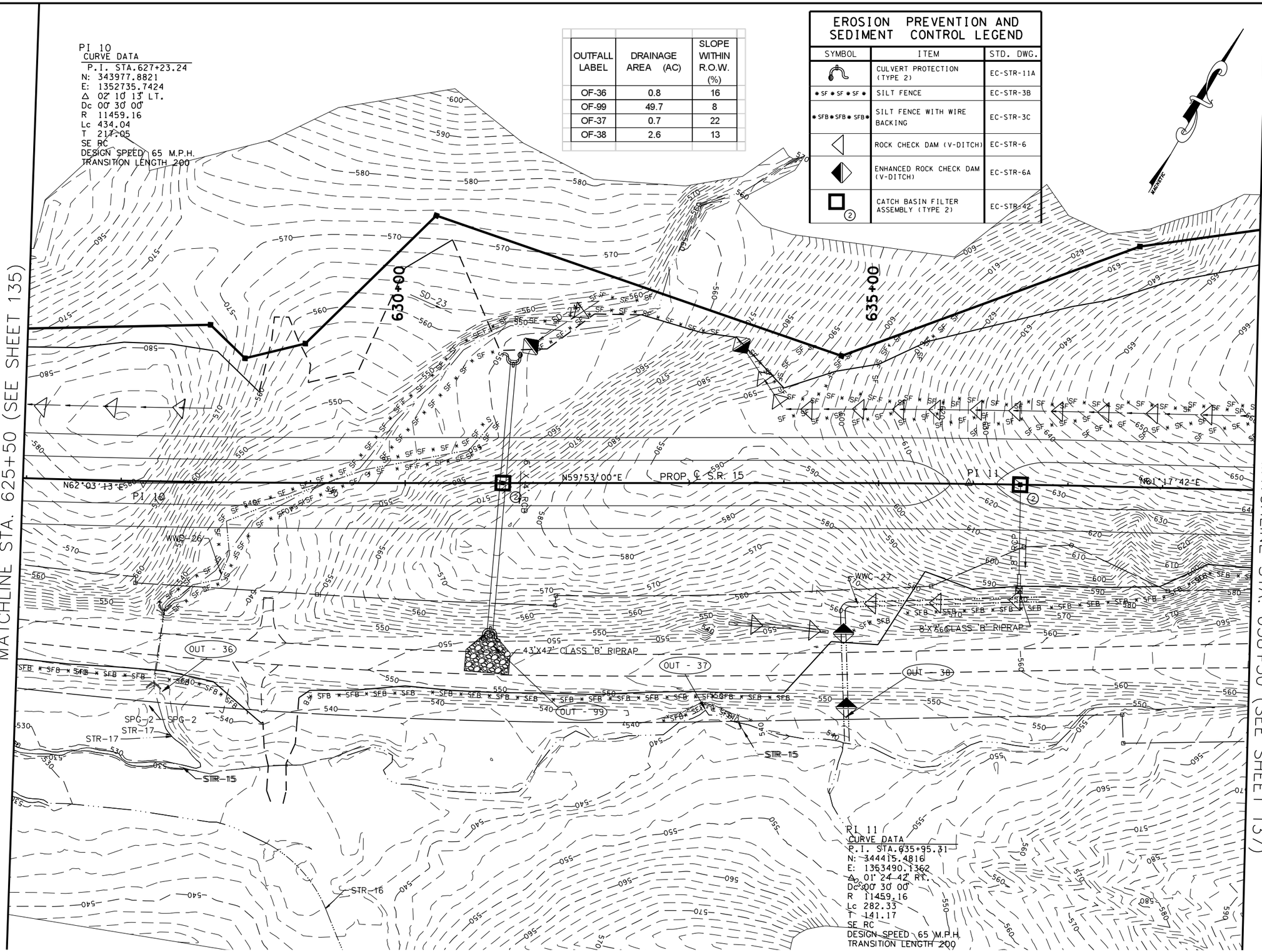
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	136
CONST	2014	36001-3290-14	136

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-36	0.8	16
OF-99	49.7	8
OF-37	0.7	22
OF-38	2.6	13

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
* 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
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

BIRDEL F. JACKSON III
STATE OF TENNESSEE
14

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 625+50 TO 638+50
SCALE: 1" = 50'

8/9/2014
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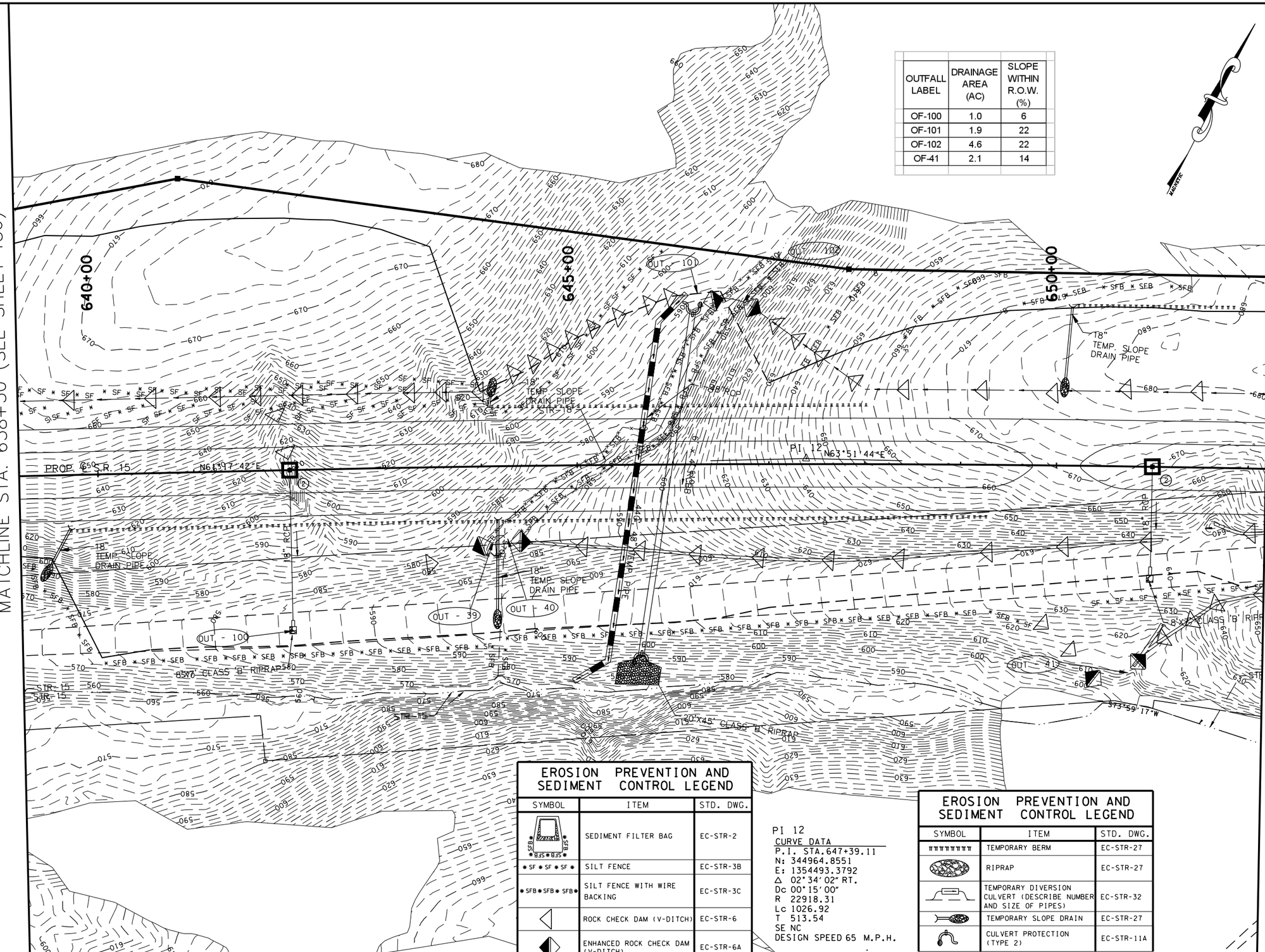
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	137
CONST	2014	36001-3290-14	137

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-100	1.0	6
OF-101	1.9	22
OF-102	4.6	22
OF-41	2.1	14



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB	SEDIMENT FILTER BAG	EC-STR-2
SF	SILT FENCE	EC-STR-3B
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
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42

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Dc 00°15'00"
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Lc 1026.92
T 513.54
SE NC
DESIGN SPEED 65 M.P.H.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
	TEMPORARY SLOPE DRAIN	EC-STR-27
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A

BIRDEL E. JACKSON
STATE OF TENNESSEE
No. 19
Birdel E. Jackson III
8/9/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 638+50 TO 651+50
SCALE: 1" = 50'

8/9/2014
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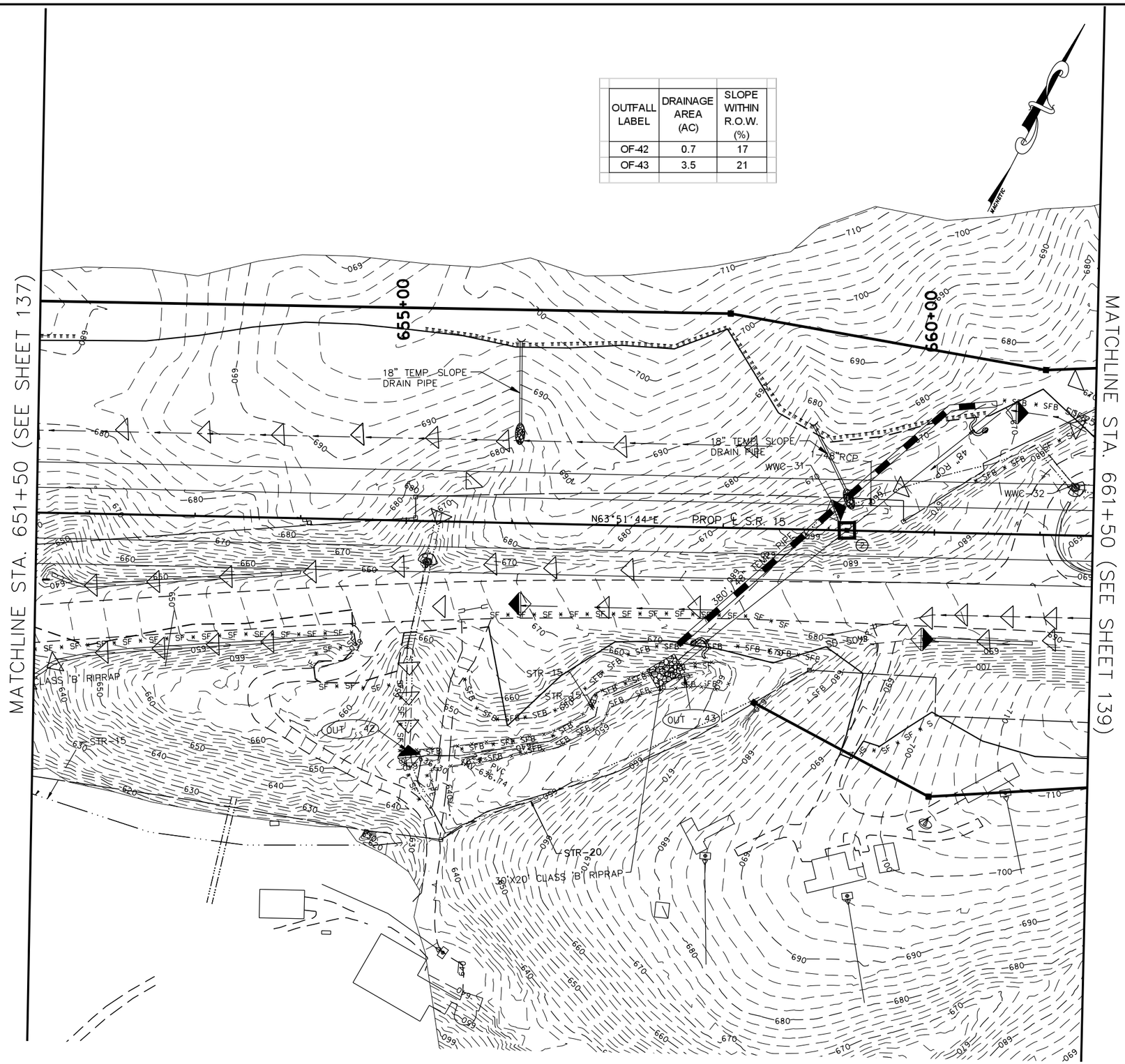
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	138
CONST	2014	36001-3290-14	138

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-42	0.7	17
OF-43	3.5	21



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
	TEMPORARY SLOPE DRAIN	EC-STR-27

BIRDEL F. JACKSON III
TN
STATE OF TENNESSEE
8/9/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 651+50 TO 661+50
SCALE: 1" = 50'

8/9/2014
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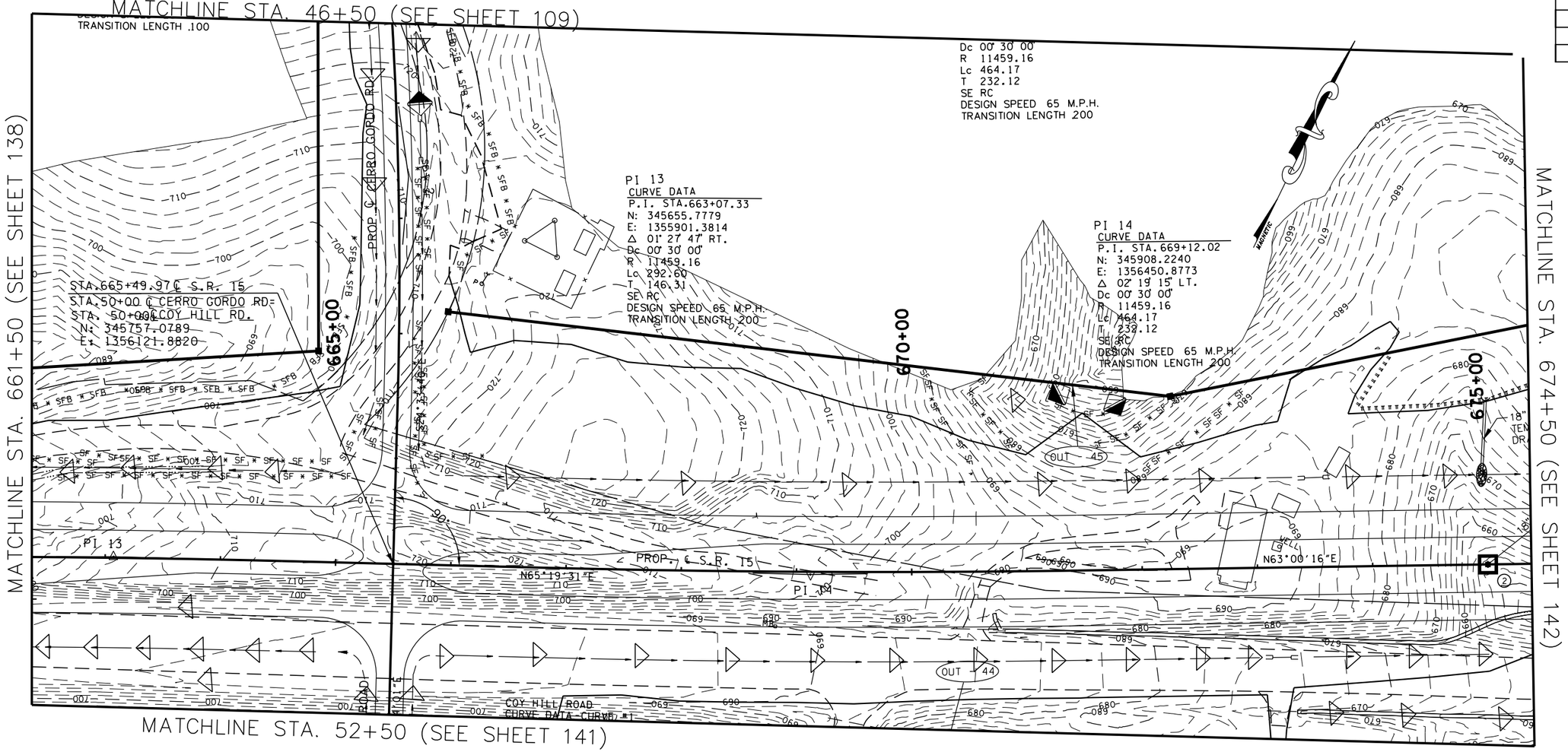
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	139
CONST	2014	36001-3290-14	139

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



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
SF 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
	TEMPORARY SLOPE DRAIN	EC-STR-27
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-44	1.1	15
OF-45	0.4	34

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TCRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 661+50 TO 674+50
SCALE: 1" = 50'

8/9/2014
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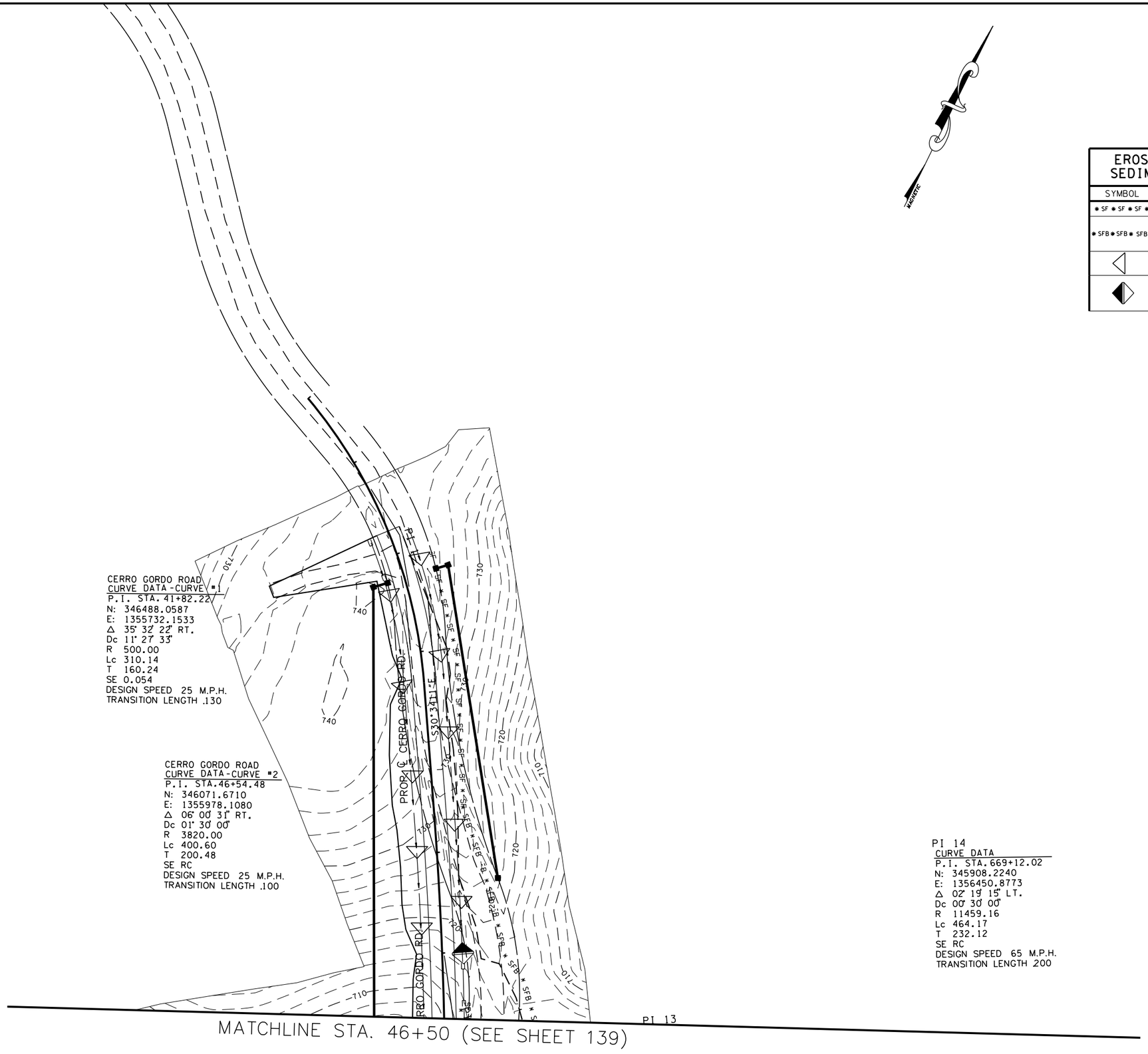
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	140
CONST	2014	36001-3290-14	140



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SF SF SF	SILT FENCE	EC-STR-3B
SFB SFB SFB	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
CERO GORDO ROAD
SCALE: 1" = 50'

8/9/2014
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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	141
CONST	2014	36001-3290-14	141

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

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
◁	ROCK CHECK DAM (V-DITCH)	EC-STR-6
⊕	CULVERT PROTECTION (TYPE 1)	EC-STR-11

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
COY HILL ROAD
SCALE: 1" = 50'

8/9/2014
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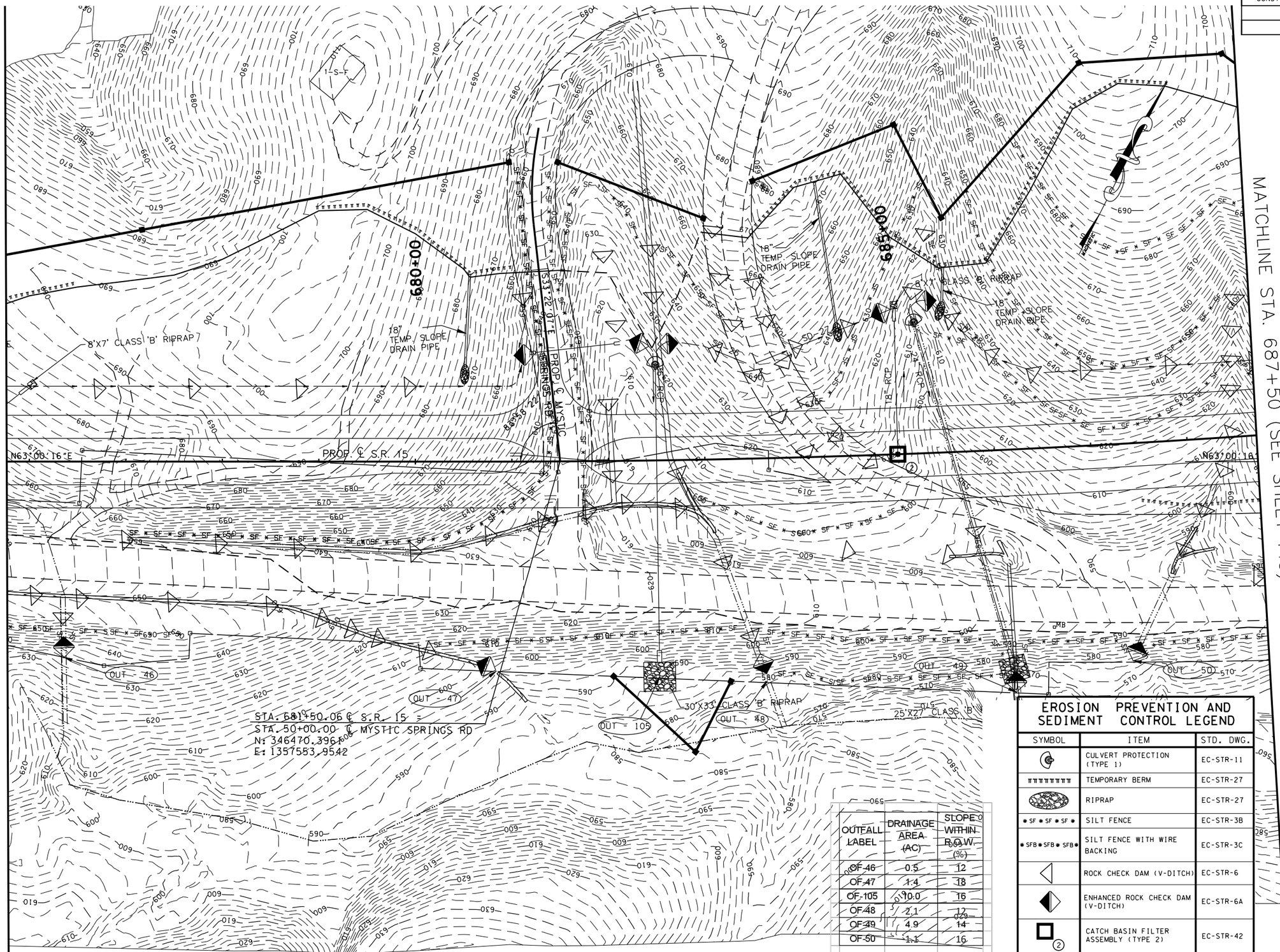
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	142
CONST	2014	36001-3290-14	142



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-46	0.5	12
OF-47	1.4	18
OF-105	10.0	16
OF-48	2.1	12
OF-49	4.9	14
OF-50	1.1	16

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
* 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
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	TEMPORARY SLOPE DRAIN	EC-STR-27

BIRDEL F. JACKSON III
STATE OF TENNESSEE
10/9/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL PLAN
PHASE II
STA. 674+50 TO 687+50
SCALE: 1" = 50'

10/9/2014
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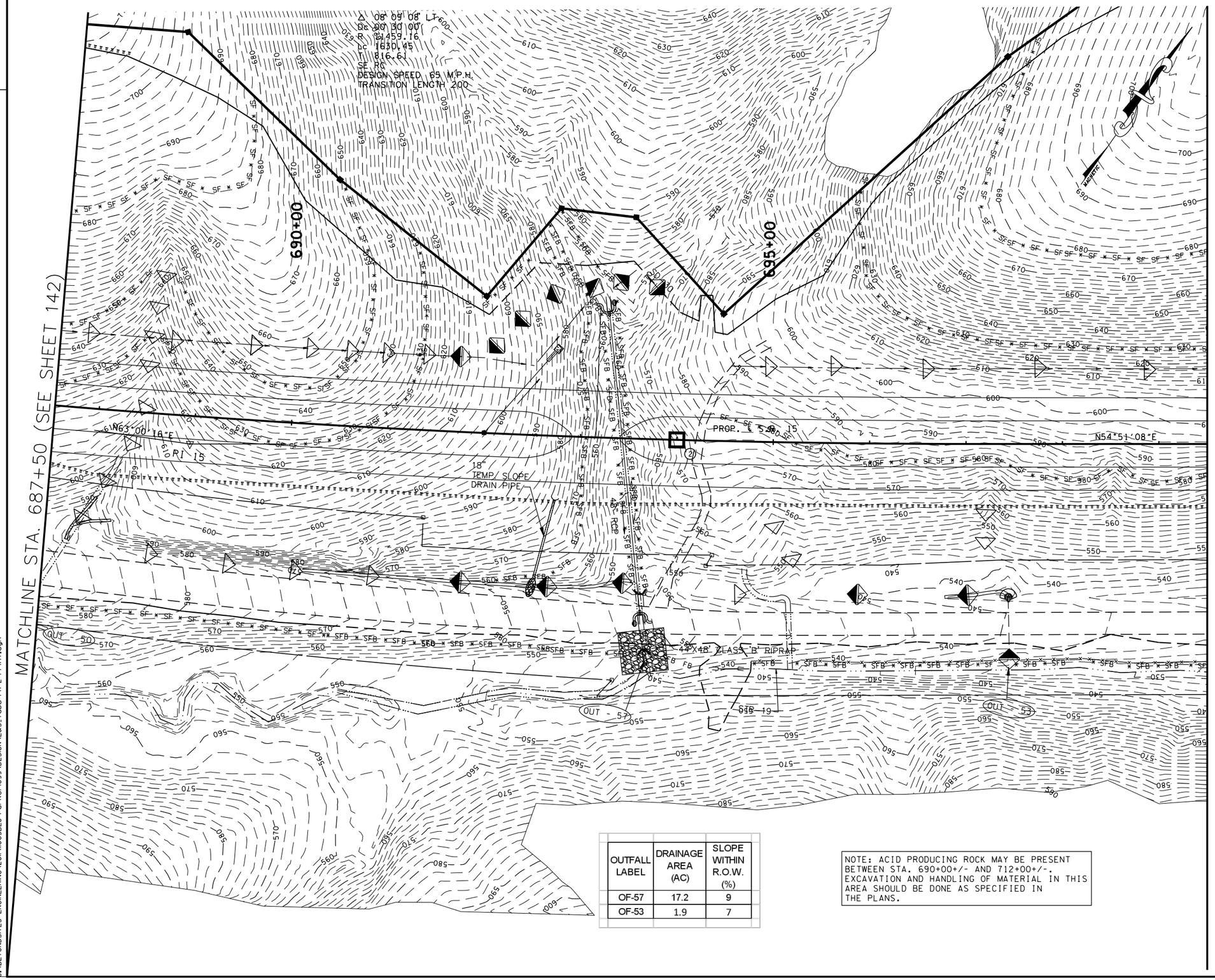
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	143
CONST	2014	36001-3290-14	143



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-57	17.2	9
OF-53	1.9	7

NOTE: ACID PRODUCING ROCK MAY BE PRESENT BETWEEN STA. 690+00+/- AND 712+00+/-. EXCAVATION AND HANDLING OF MATERIAL IN THIS AREA SHOULD BE DONE AS SPECIFIED IN THE PLANS.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42

BRIDGE F. JACKSON III
REGISTERED ENGINEER
No. 112890
STATE OF TENNESSEE
8/9/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 687+50 TO 699+50
SCALE: 1" = 50'

8/9/2014
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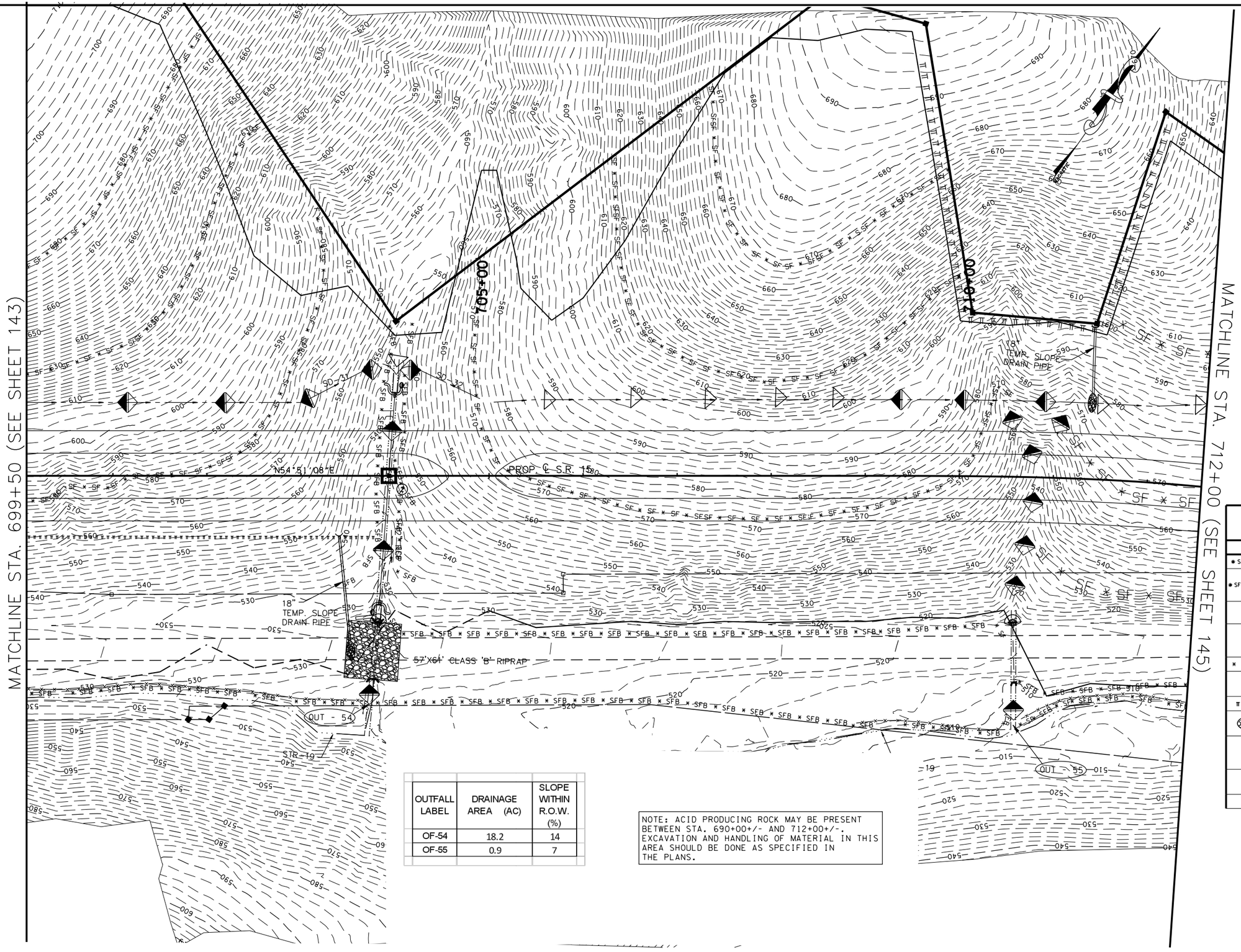
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	144
CONST	2014	36001-3290-14	144



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-54	18.2	14
OF-55	0.9	7

NOTE: ACID PRODUCING ROCK MAY BE PRESENT BETWEEN STA. 690+00+/- AND 712+00+/-. EXCAVATION AND HANDLING OF MATERIAL IN THIS AREA SHOULD BE DONE AS SPECIFIED IN THE PLANS.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
2	CATCH BASIN FILTER ASSEMBLY (TYPE	STR-42
	CULVERT PROTECTION (TYPE 2)	
	TEMPORARY SLOPE	STR-27

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 699+50 TO 712+00
SCALE: 1" = 50'

8/9/2014
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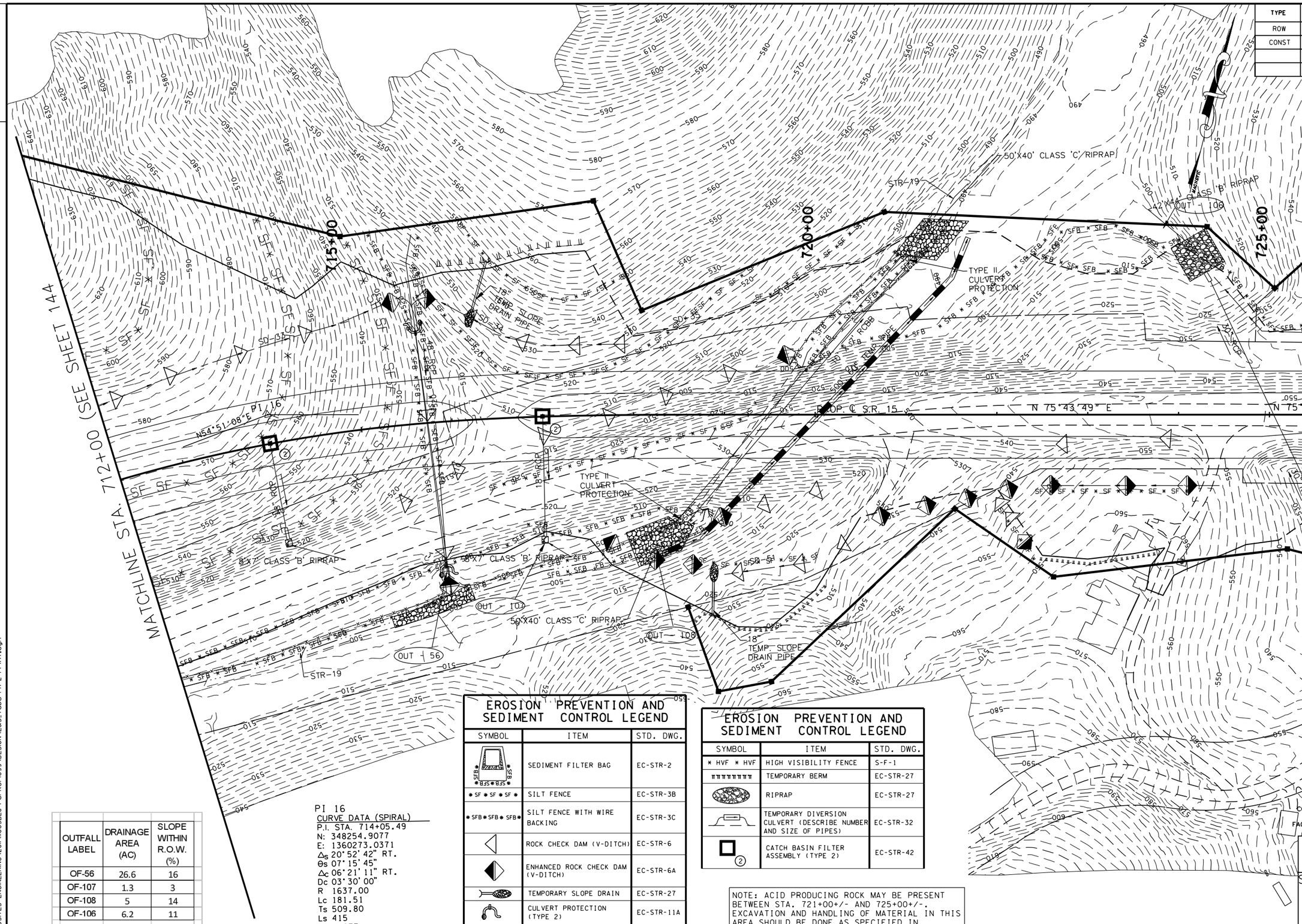
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	145
CONST	2014	36001-3290-14	145



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-56	26.6	16
OF-107	1.3	3
OF-108	5	14
OF-106	6.2	11

PI 16
CURVE DATA (SPIRAL)
P.I. STA. 714+05.49
N: 348254.9077
E: 1360273.0371
Δ_s 20° 52' 42" RT.
θ_s 07° 15' 45"
Δ_c 06° 21' 11" RT.
Dc 03° 30' 00"
R 1637.00
Lc 181.51
Ts 509.80
Ls 415
SE 0.077
DESIGN SPEED 65 M.P.H.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB	SEDIMENT FILTER BAG	EC-STR-2
SF SF SF	SILT FENCE	EC-STR-3B
SFB SFB SFB	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	TEMPORARY SLOPE DRAIN	EC-STR-27
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
HVF HVF	HIGH VISIBILITY FENCE	S-F-1
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
	TEMPORARY DIVERSION CULVERT (DESCRIBE NUMBER AND SIZE OF PIPES)	EC-STR-32
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42

NOTE: ACID PRODUCING ROCK MAY BE PRESENT BETWEEN STA. 721+00+/- AND 725+00+/-. EXCAVATION AND HANDLING OF MATERIAL IN THIS AREA SHOULD BE DONE AS SPECIFIED IN THE PLANS.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 712+00 TO 725+00
SCALE: 1" = 50'

8/9/2014
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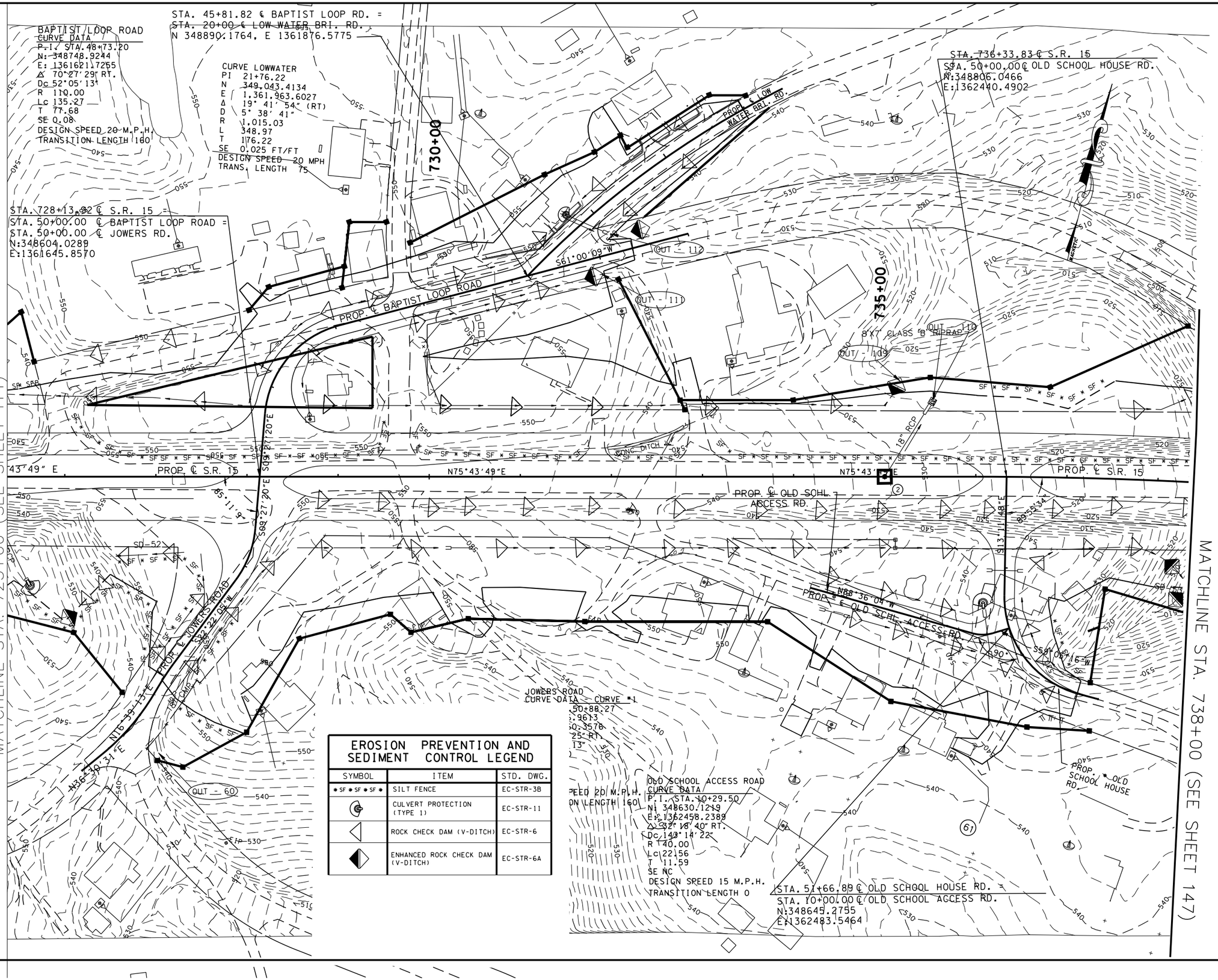
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	146
CONST	2014	36001-3290-14	146



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-60	0.3	9
OF-112	0.7	4
OF-111	0.3	5
OF-113	1.8	2
OF-109	1.6	4
OF-110	0.8	4

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 725+00 TO 738+00
SCALE: 1" = 50'

8/9/2014
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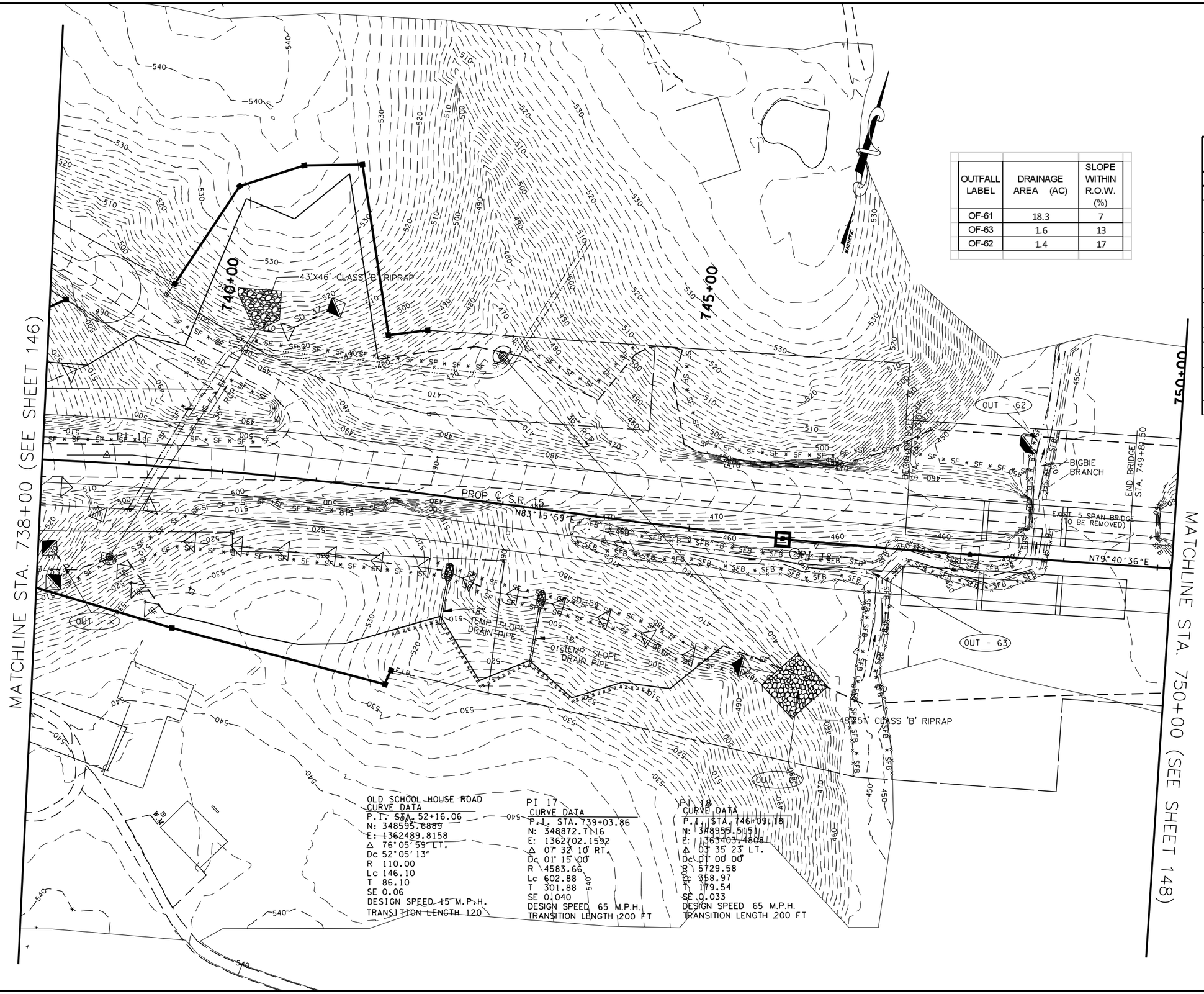
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	147
CONST	2014	36001-3290-14	147



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-61	18.3	7
OF-63	1.6	13
OF-62	1.4	17

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	TEMPORARY SLOPE DRAIN	EC-STR-27

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE II
STA. 738+00 TO 750+00
SCALE: 1" = 50'

8/9/2014
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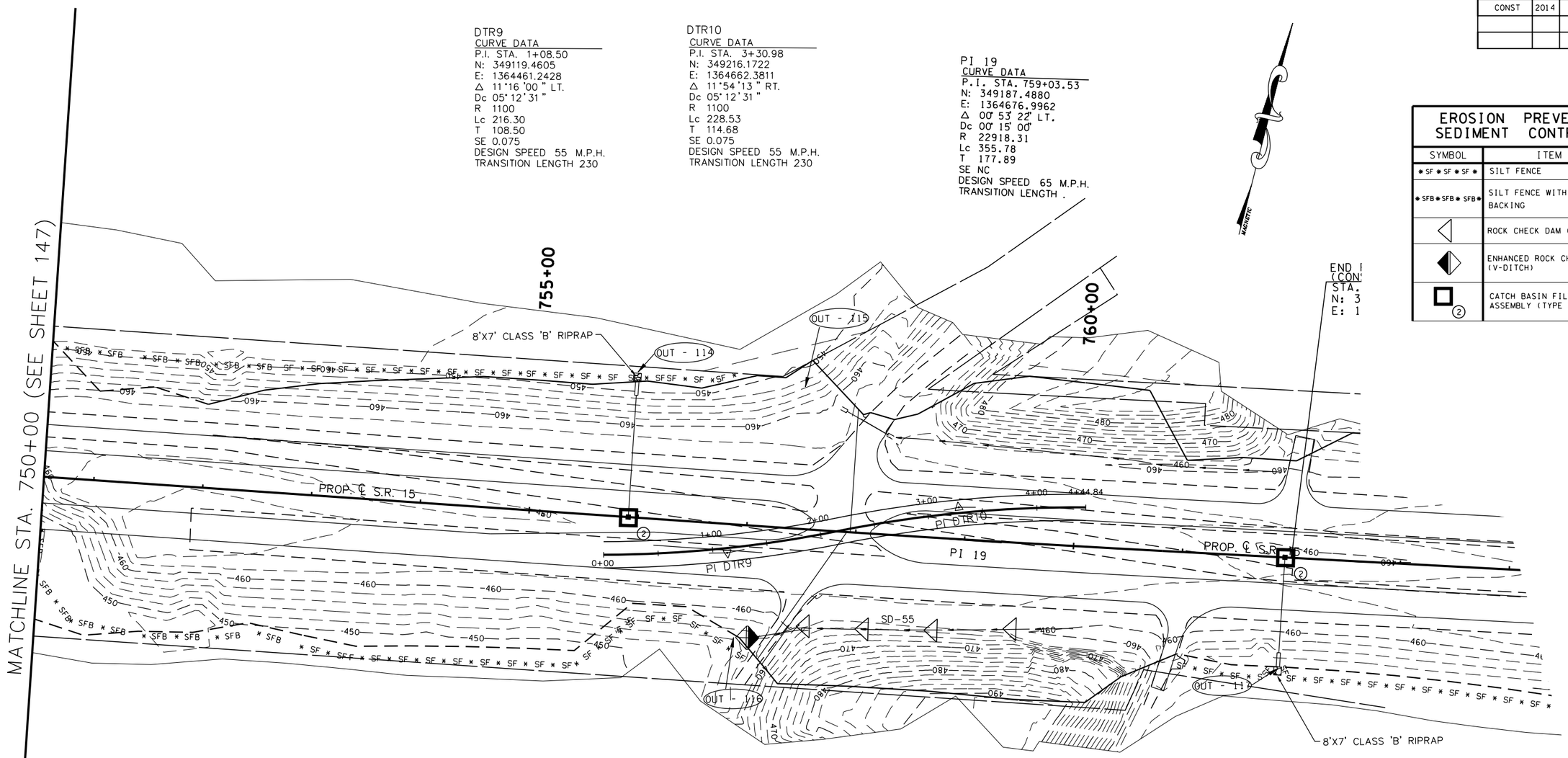
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	148
CONST	2014	36001-3290-14	148

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

DTR9
CURVE DATA
P.I. STA. 1+08.50
N: 349119.4605
E: 1364461.2428
Δ 11°16'00" LT.
Dc 05°12'31"
R 1100
Lc 216.30
T 108.50
SE 0.075
DESIGN SPEED 55 M.P.H.
TRANSITION LENGTH 230

DTR10
CURVE DATA
P.I. STA. 3+30.98
N: 349216.1722
E: 1364662.3811
Δ 11°54'13" RT.
Dc 05°12'31"
R 1100
Lc 228.53
T 114.68
SE 0.075
DESIGN SPEED 55 M.P.H.
TRANSITION LENGTH 230

PI 19
CURVE DATA
P.I. STA. 759+03.53
N: 349187.4880
E: 1364676.9962
Δ 00°53'22" LT.
Dc 00°15'00"
R 22918.31
Lc 355.78
T 177.89
SE NC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH .



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-114	0.6	3
OF-116	0.8	15
OF-115	1.2	8
OF-117	1	3

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
◁	ROCK CHECK DAM (V-DITCH)	EC-STR-6
◆	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
□ ②	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL PLAN
PHASE II
STA. 750+00 TO EOP
SCALE: 1" = 50'

8/9/2014
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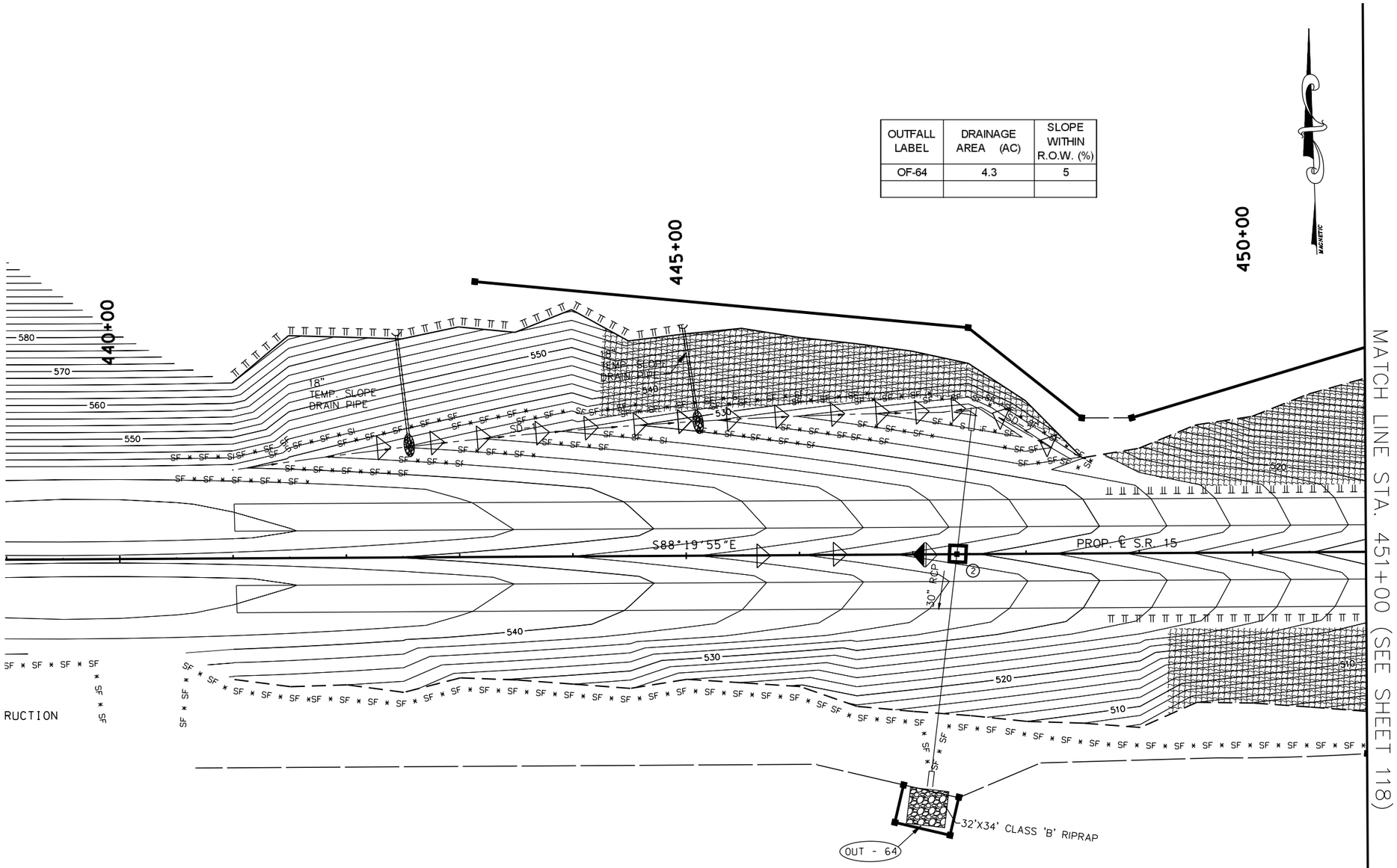
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	149
CONST	2014	36001-3290-14	149

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-64	4.3	5



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
SF SF SF SF	SILT FENCE	EC-STR-3B
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	EROSION CONTROL BLANKET	EC-STR-34
	TEMPORARY SLOPE DRAIN	EC-STR-27

~~BURNT CHURCH RD.~~
CURVE DATA
P.I. STA.52+06.86
N: 338287.4624
E: 1335437.5177
Δ 06° 56' 38" RT.
Dc 12° 00' 00"
R 477.46
Lc 57.87
T 28.97
SE 0.038
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .105

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 420+00 TO 451+00
SCALE: 1" = 50'

8/9/2014
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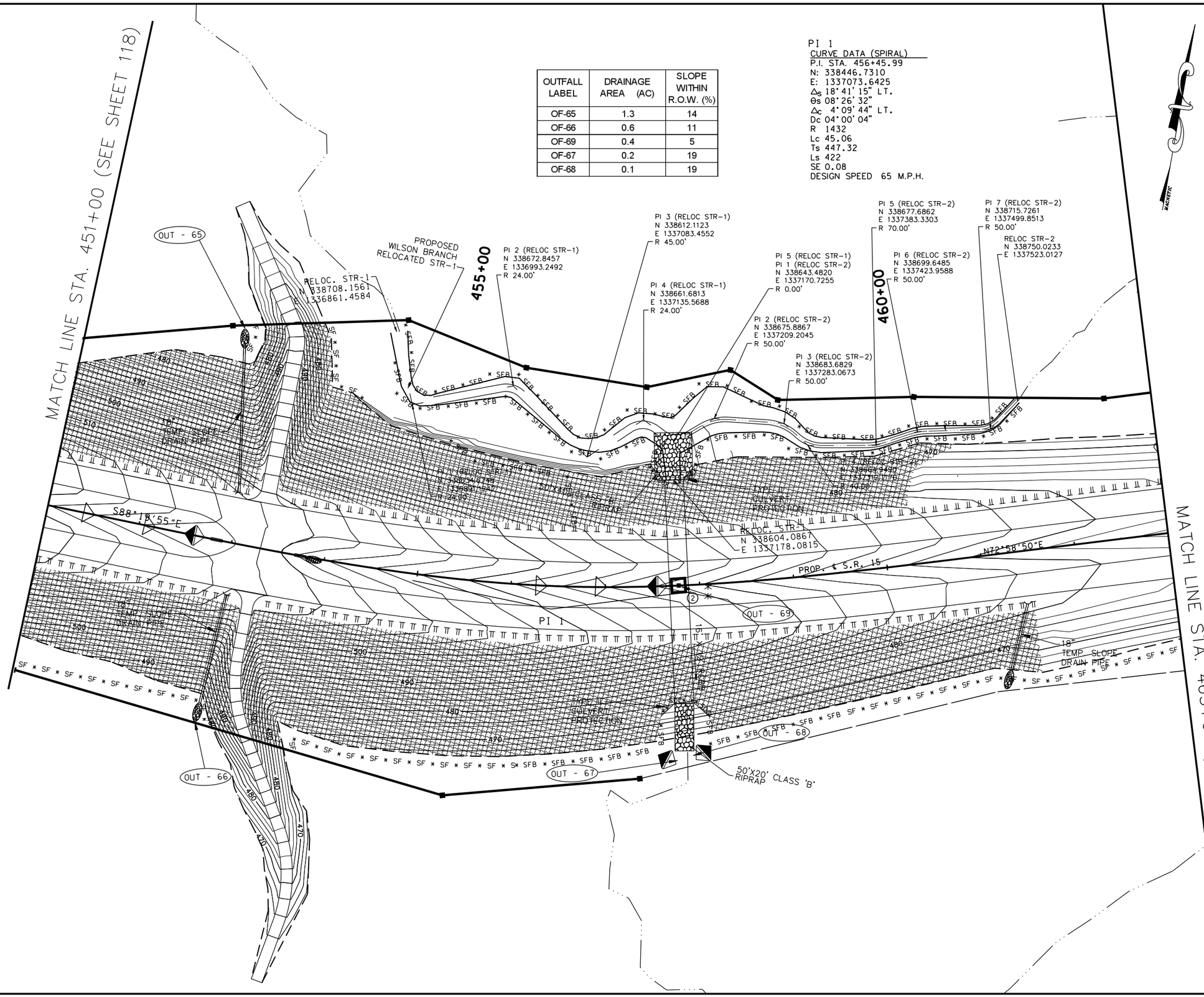
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	150
CONST	2014	36001-3290-14	150

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-65	1.3	14
OF-66	0.6	11
OF-69	0.4	5
OF-67	0.2	19
OF-68	0.1	19

PI 1
CURVE DATA (SPIRAL)
P.I. STA. 456+45.99
N: 338446.7310
E: 1337073.6425
Δ_s 18° 41' 15" LT.
θ_s 08° 26' 32"
Δ_c 4° 09' 44" LT.
Dc 04° 00' 04"
R 1432
Lc 45.06
Ts 447.32
Ls 422
SE 0.08
DESIGN SPEED 65 M.P.H.



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	TEMPORARY BERM	EC-STR-27
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	EROSION CONTROL BLANKET	EC-STR-34
	TEMPORARY SLOPE DRAIN	EC-STR-27
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
	RIPRAP	EC-STR-27

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 451+00 TO 463+00
SCALE: 1" = 50'

8/9/2014
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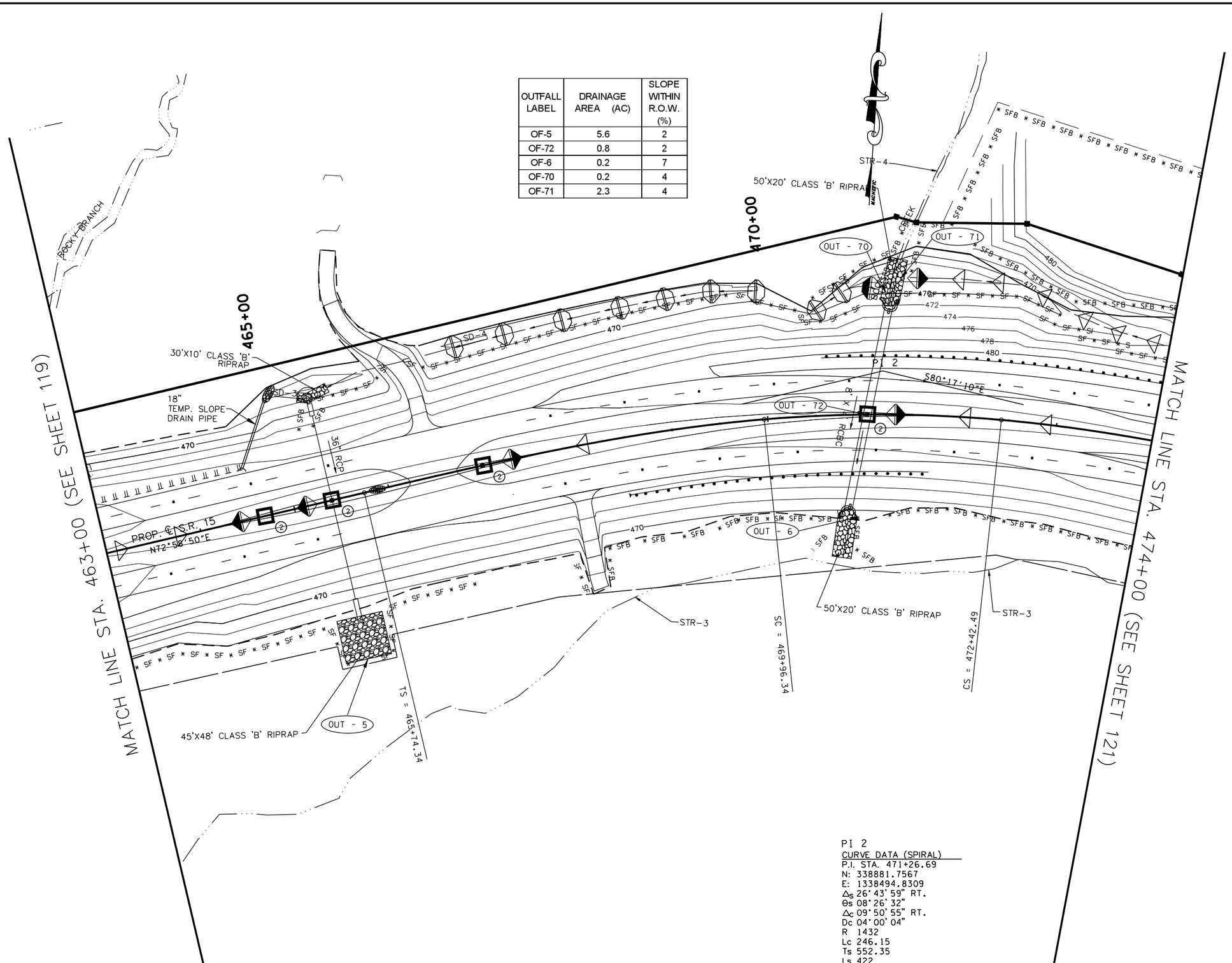
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	151
CONST	2014	36001-3290-14	151

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-5	5.6	2
OF-72	0.8	2
OF-6	0.2	7
OF-70	0.2	4
OF-71	2.3	4



PI 2
CURVE DATA (SPIRAL)
P.I. STA. 471+26.69
N: 338881.7567
E: 1338494.8309
Δ_s 26°43'59" RT.
Θ_s 08°26'32"
Δ_c 09°50'55" RT.
Dc 04°00'04"
R 1432
Lc 246.15
Ts 552.35
Ls 422
SE 0.08
DESIGN SPEED 65 M.P.H.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SF 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
	ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	RIPRAP	EC-STR-27
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
	TEMPORARY SLOPE DRAIN	EC-STR-27

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 463+00 TO 474+00
SCALE: 1" = 50'

8/9/2014
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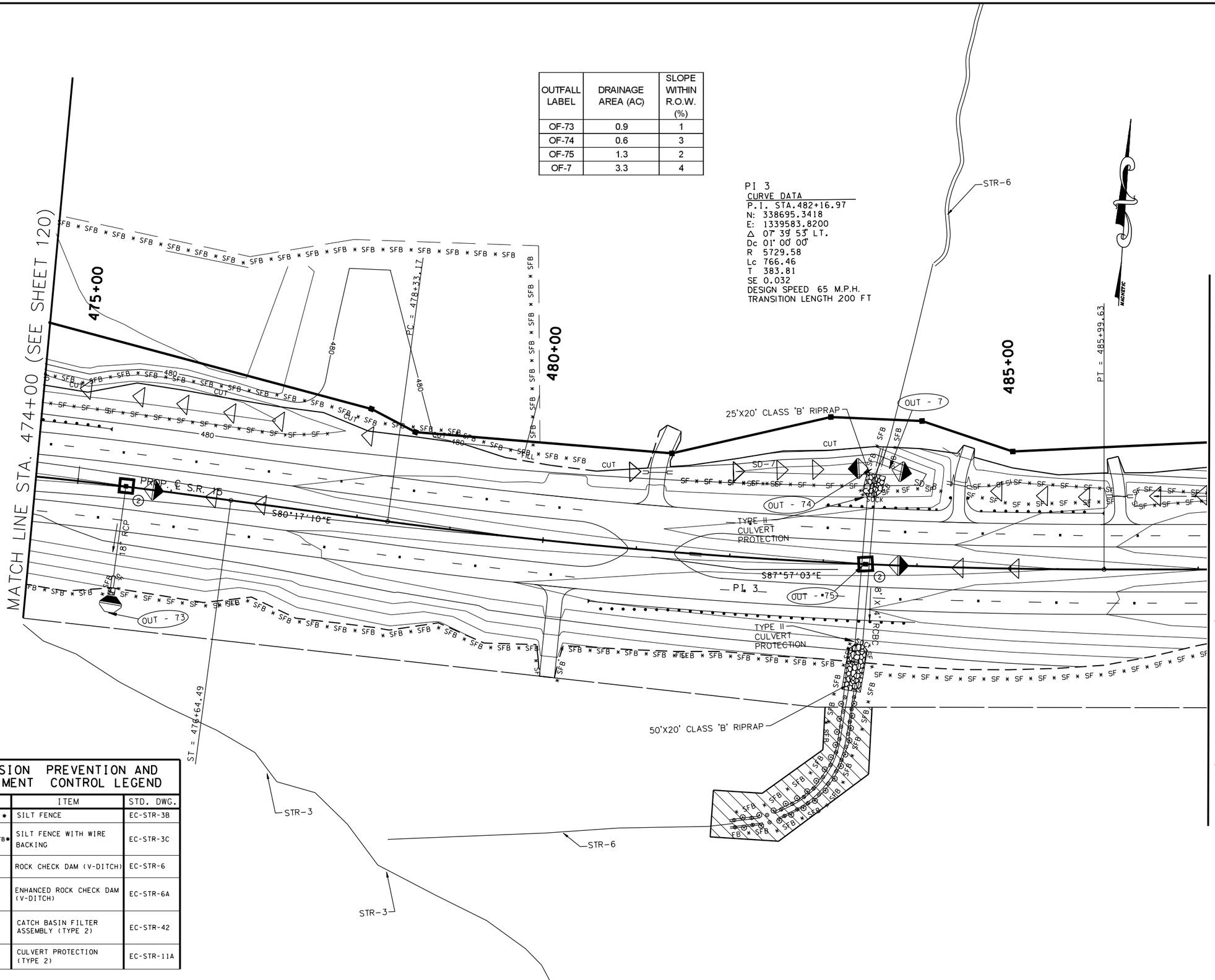
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	152
CONST	2014	36001-3290-14	152

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-73	0.9	1
OF-74	0.6	3
OF-75	1.3	2
OF-7	3.3	4

PI 3
CURVE DATA
P.I. STA.482+16.97
N: 338695.3418
E: 1339583.8200
Δ 07° 39' 53" LT.
Dc 01° 00' 00"
R 5729.58
Lc 766.46
T 383.81
SE 0.032
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 474+00 TO 486+50
SCALE: 1" = 50'

8/9/2014
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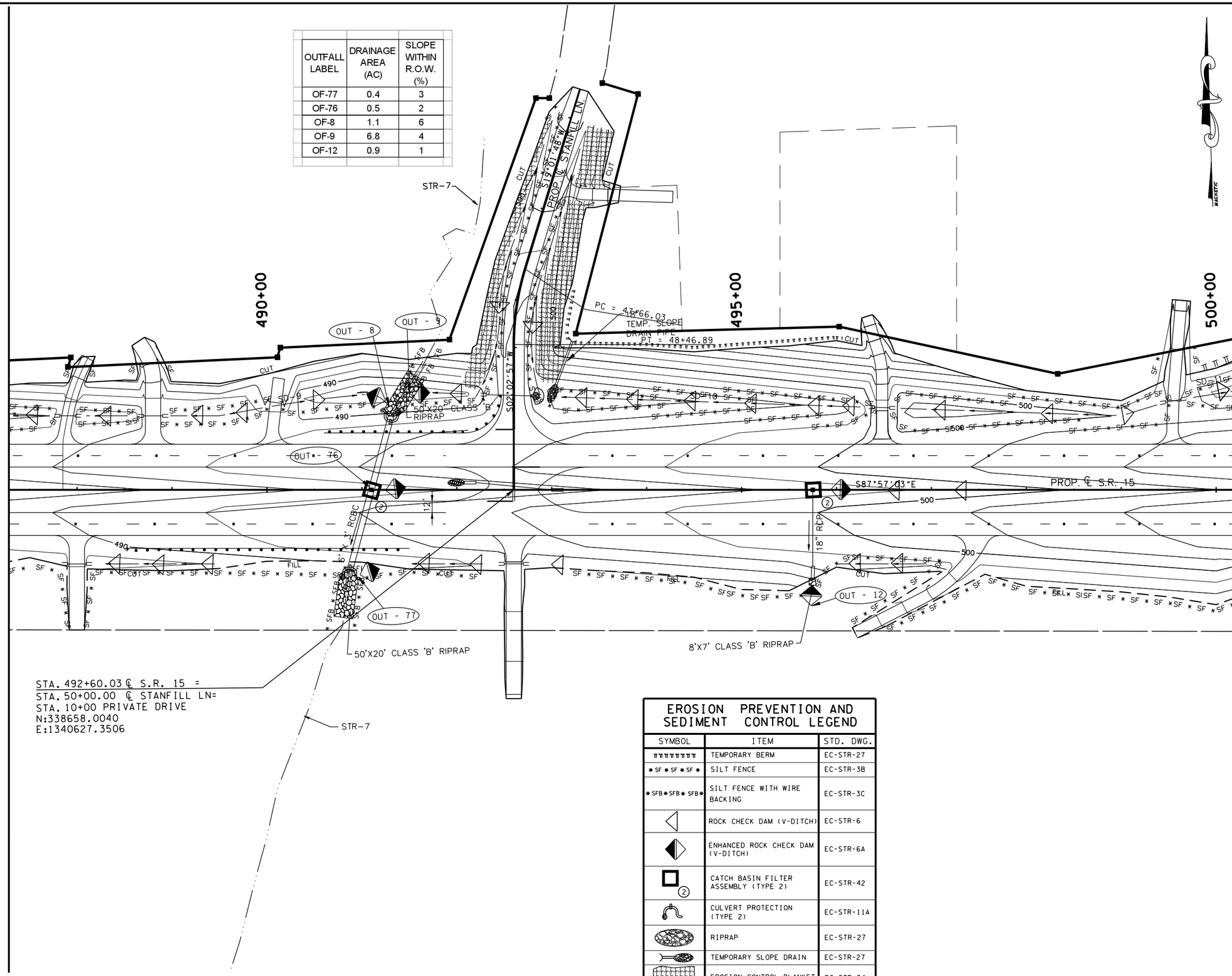
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	153
CONST	2014	36001-3290-14	153

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-77	0.4	3
OF-76	0.5	2
OF-8	1.1	6
OF-9	6.8	4
OF-12	0.9	1



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
TTTTTTTTT	TEMPORARY BERM	EC-STR-27
SF 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
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
	RIPRAP	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27
	EROSION CONTROL BLANKET	EC-STR-34

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 486+50 TO 499+50
SCALE: 1" = 50'

8/9/2014
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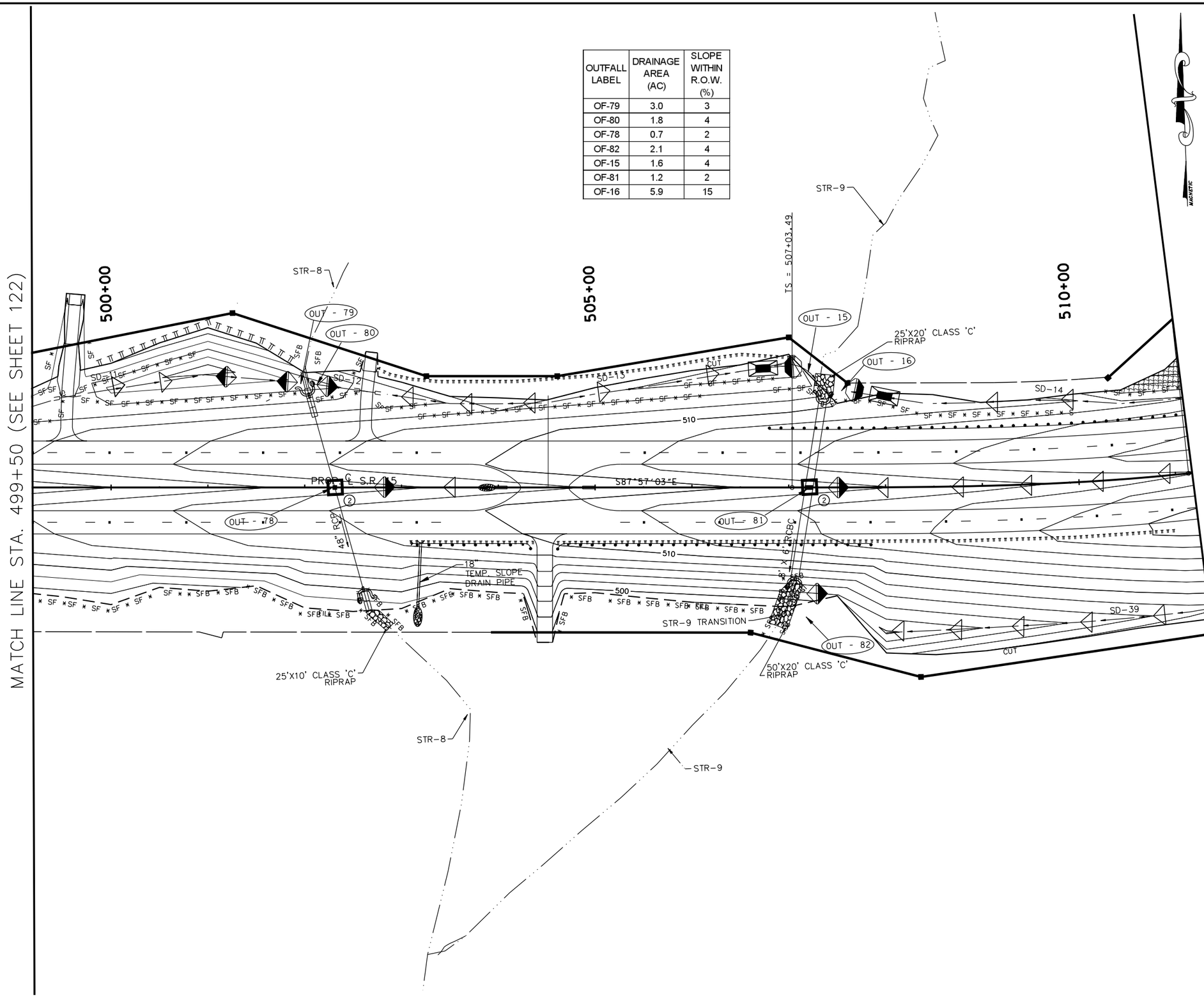
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	154
CONST	2014	36001-3290-14	154

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-79	3.0	3
OF-80	1.8	4
OF-78	0.7	2
OF-82	2.1	4
OF-15	1.6	4
OF-81	1.2	2
OF-16	5.9	15



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SF 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
	SEDIMENT TRAP WITH ENHANCED ROCK CHECK DAM	EC-STR-7
	TEMPORARY BERM	EC-STR-27
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	TEMPORARY SLOPE DRAIN	EC-STR-27
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
	RIPRAP	EC-STR-27
	EROSION CONTROL BLANKET	EC-STR-34

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 499+50 TO 511+50
SCALE: 1" = 50'

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

8/9/2014
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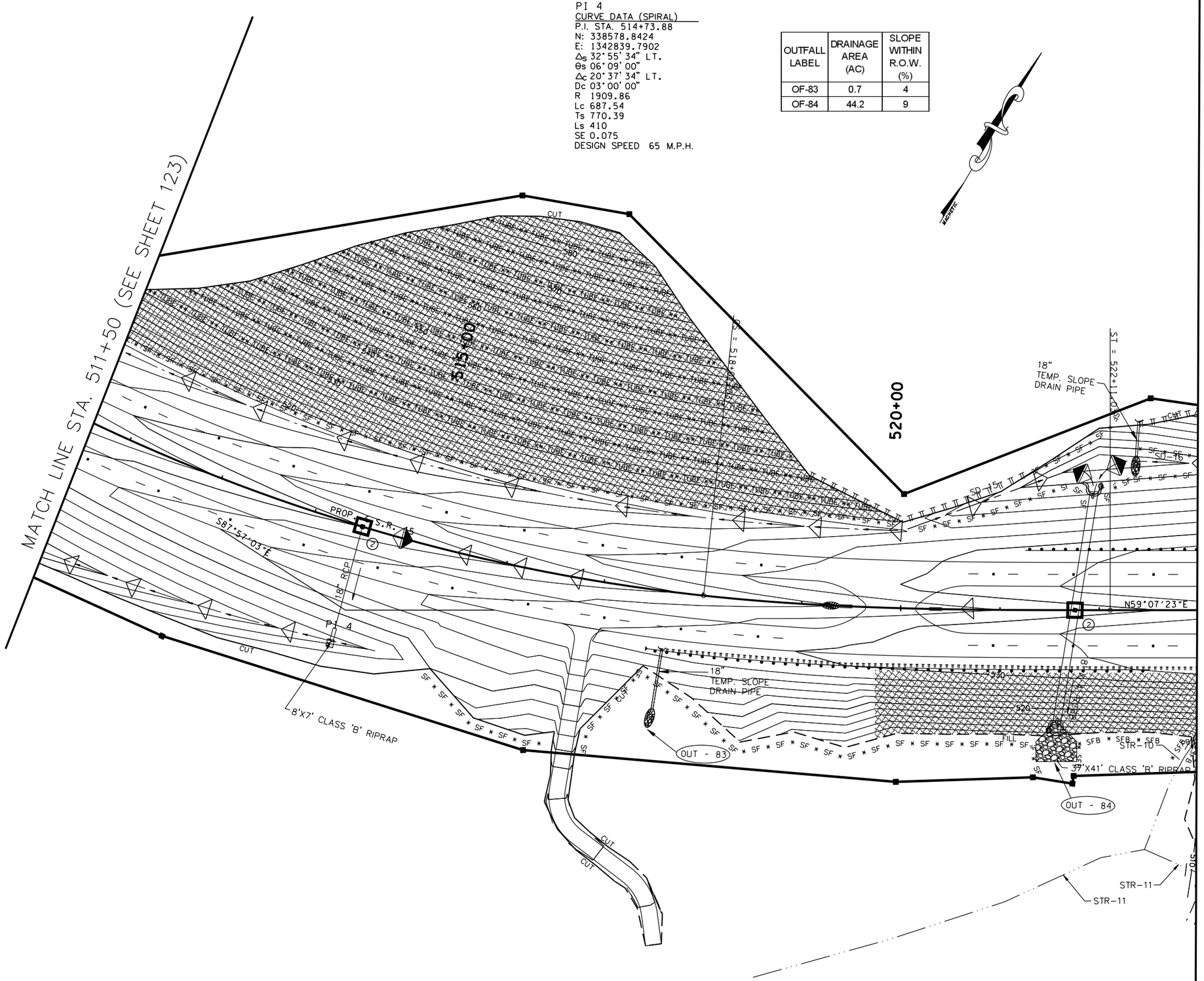
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	155
CONST	2014	36001-3290-14	155

PI 4
CURVE DATA (SPIRAL)
P.I. STA. 514+73.88
N: 338578.8424
E: 1342839.7902
Δ_s 32°55'34" LT.
θ_s 06°09'00"
Δ_c 20°37'34" LT.
Dc 03°00'00"
R 1909.86
Lc 687.54
Ts 770.39
Ls 410
SE 0.075
DESIGN SPEED 65 M.P.H.

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-83	0.7	4
OF-84	44.2	9



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	EROSION CONTROL BLANKET	EC-STR-34
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	TEMPORARY SLOPE DRAIN	EC-STR-27
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 511+50 TO 523+00
SCALE: 1" = 50'

8/9/2014
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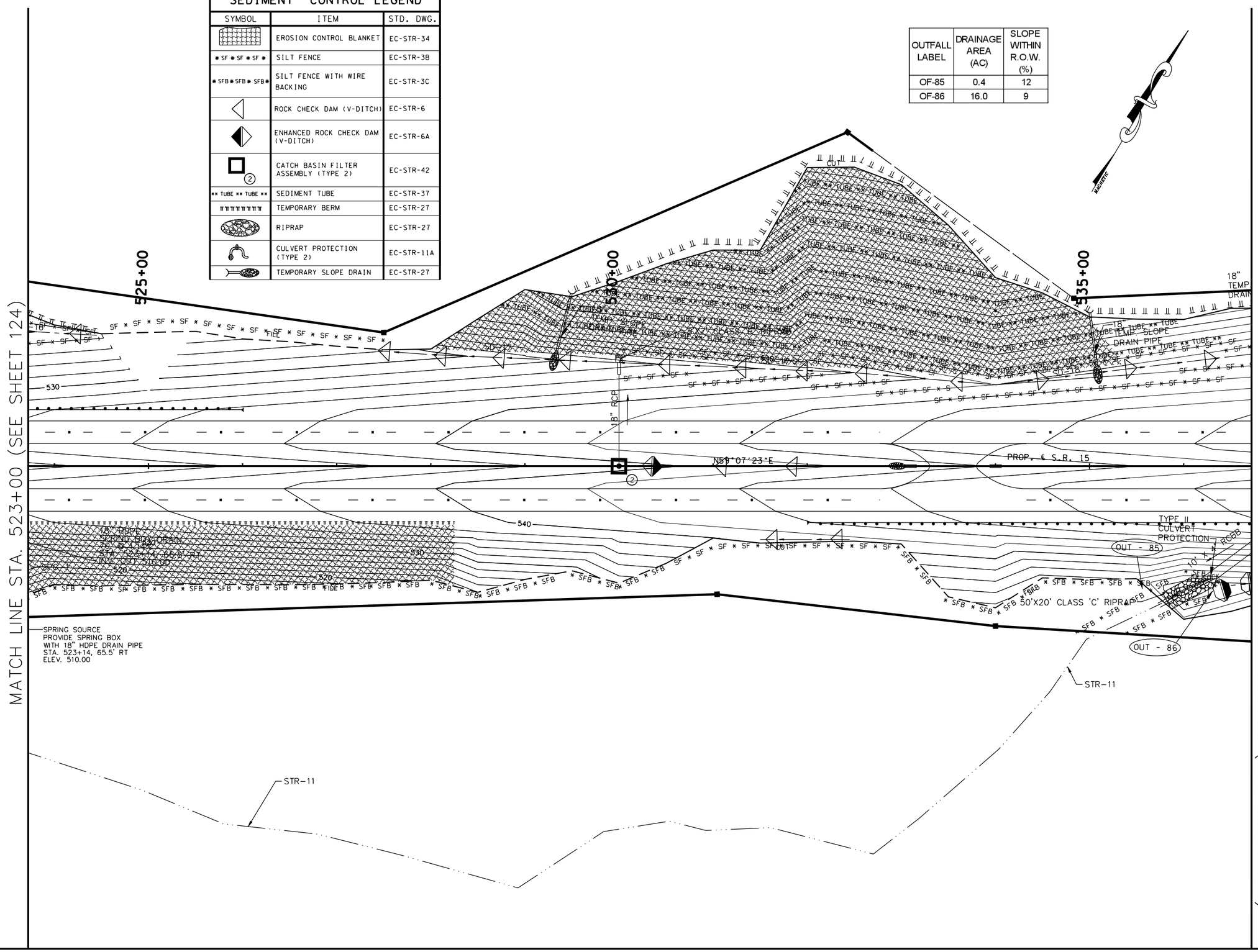
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	156
CONST	2014	36001-3290-14	156

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
* 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
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
	TEMPORARY SLOPE DRAIN	EC-STR-27

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-85	0.4	12
OF-86	16.0	9



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 523+00 TO 536+00
SCALE: 1" = 50'

8/9/2014
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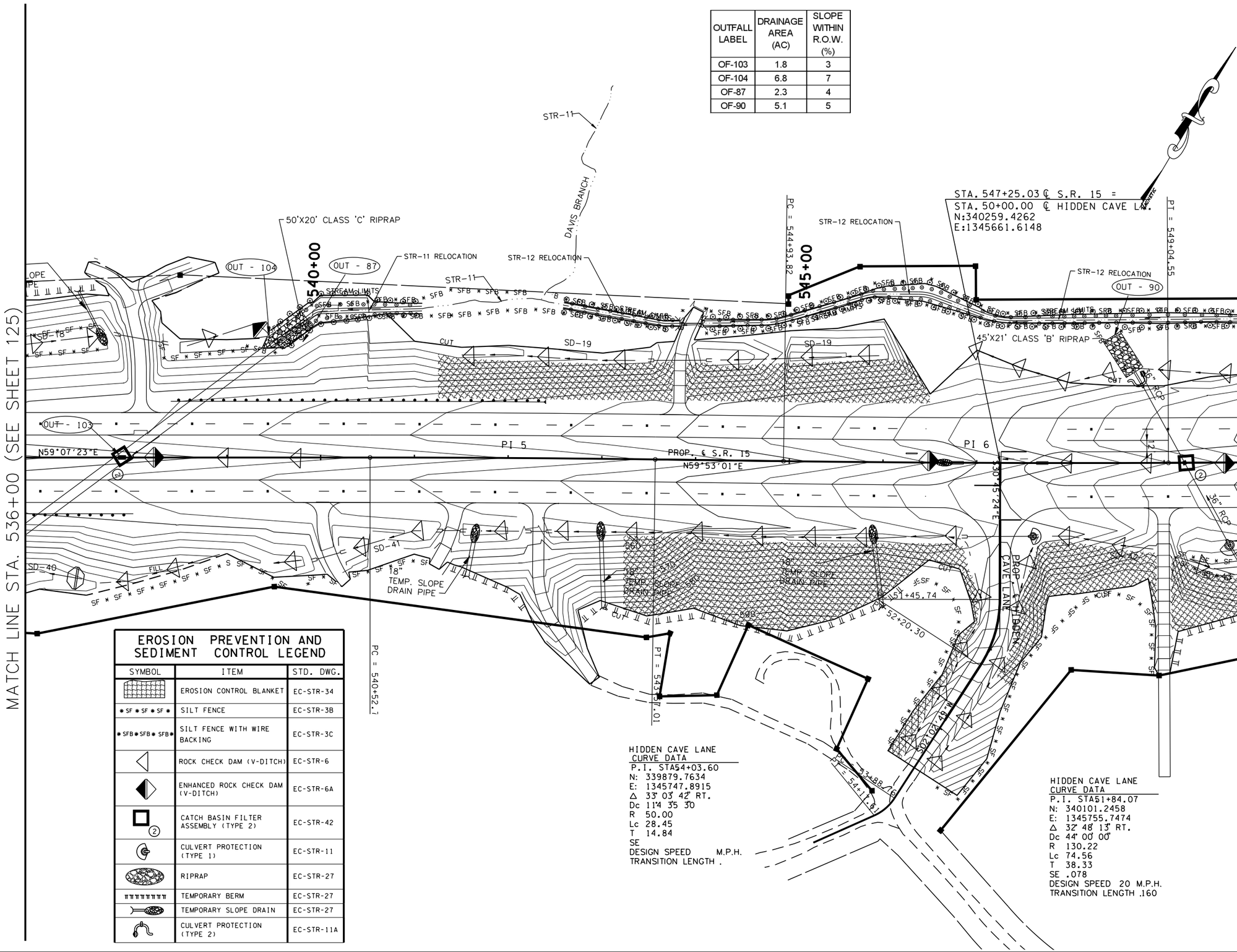
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	157
CONST	2014	36001-3290-14	157

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-103	1.8	3
OF-104	6.8	7
OF-87	2.3	4
OF-90	5.1	5



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
* 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
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	RIPRAP	EC-STR-27
	TEMPORARY BERM	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A

HIDDEN CAVE LANE
CURVE DATA
P.I. STA54+03.60
N: 339879.7634
E: 1345747.8915
Δ 33° 03' 42" RT.
Dc 11°4 3'5 3'0
R 50.00
Lc 28.45
T 14.84
SE
DESIGN SPEED M.P.H.
TRANSITION LENGTH .

HIDDEN CAVE LANE
CURVE DATA
P.I. STA51+84.07
N: 340101.2458
E: 1345755.7474
Δ 32° 48' 13" RT.
Dc 44° 00' 00"
R 130.22
Lc 74.56
T 38.33
SE .078
DESIGN SPEED 20 M.P.H.
TRANSITION LENGTH .160

BURDEL F. JACKSON III
STATE OF TENNESSEE
2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL PLAN
PHASE III
STA. 536+00 TO 549+00
SCALE: 1" = 50'

8/9/2014
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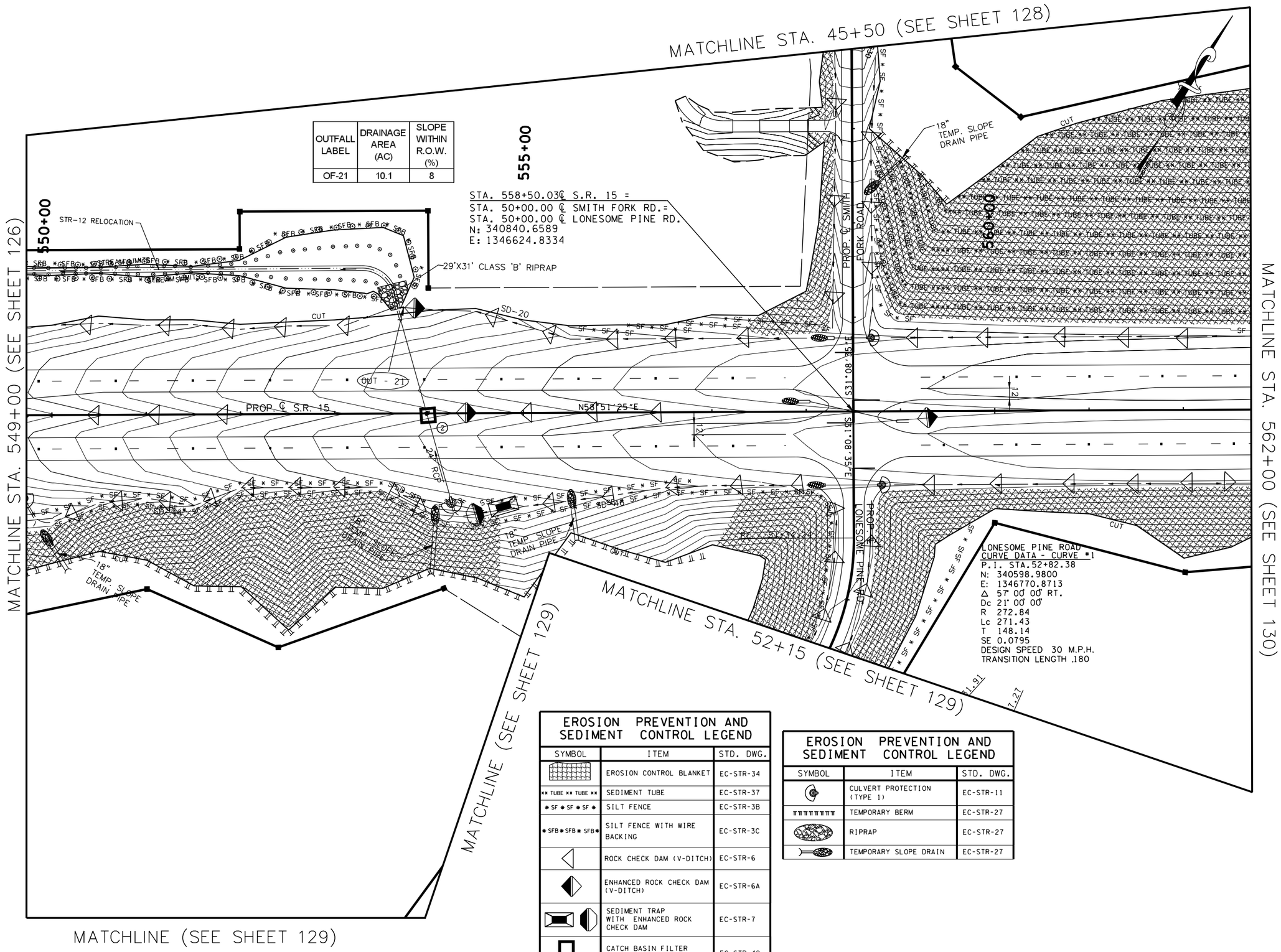
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	158
CONST	2014	36001-3290-14	158

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



OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-21	10.1	8

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
* 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
	SEDIMENT TRAP WITH ENHANCED ROCK CHECK DAM	EC-STR-7
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27

BIRDEL F. JACKSON III
No. 101
STATE OF TENNESSEE
8/9/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 549+00 TO 562+00
SCALE: 1" = 50'

8/9/2014
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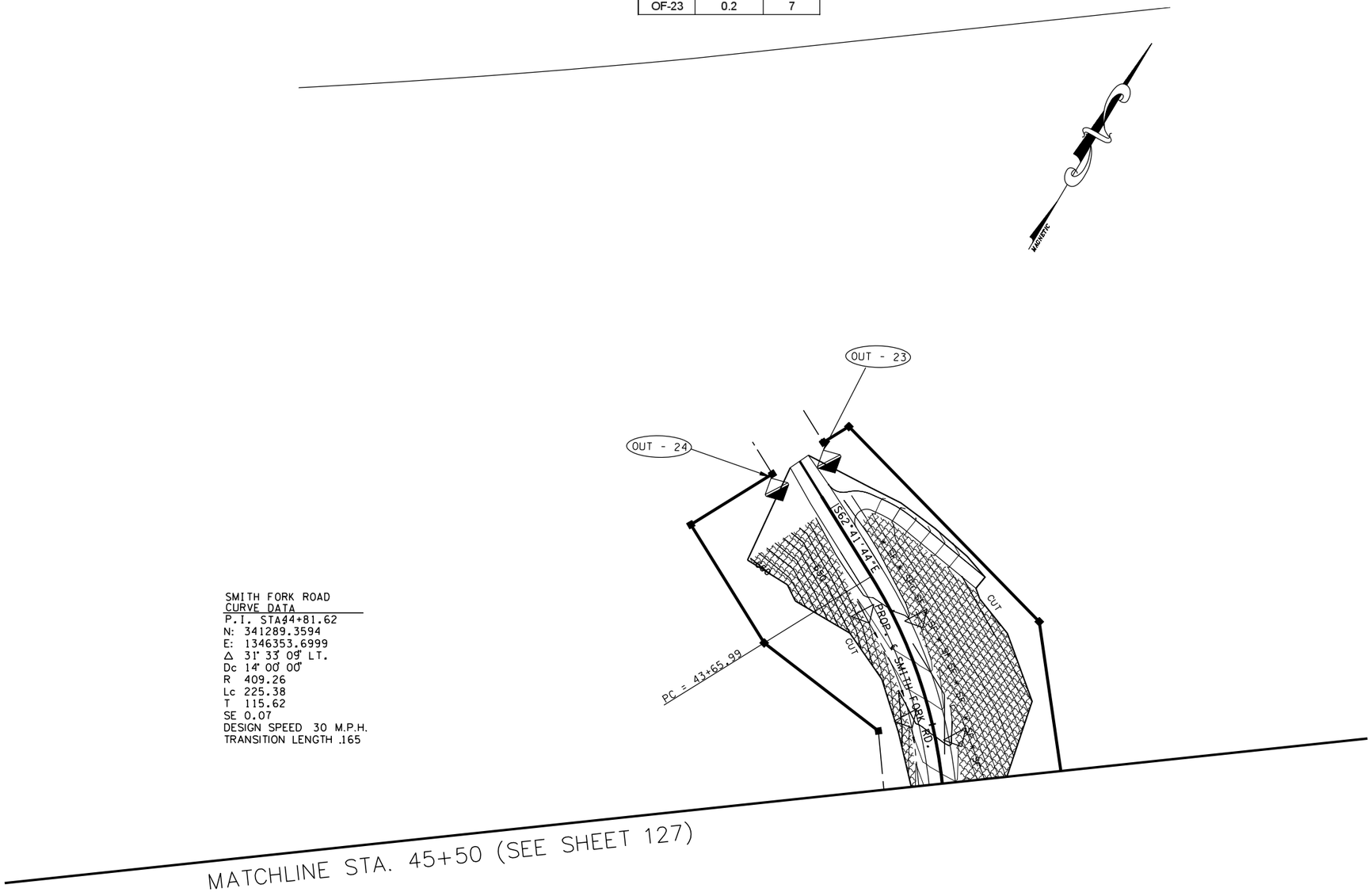
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	159
CONST	2014	36001-3290-14	159

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-24	0.2	8
OF-23	0.2	7



SMITH FORK ROAD
CURVE DATA

P.I. STA 44+81.62
N: 341289.3594
E: 1346353.6999
Δ 31° 33' 09" LT.
Dc 14° 00' 00"
R 409.26
Lc 225.38
T 115.62
SE 0.07
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .165

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SF SF SF	SILT FENCE	EC-STR-3B
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
SMITH FORK ROAD
SCALE: 1" = 50'

8/9/2014
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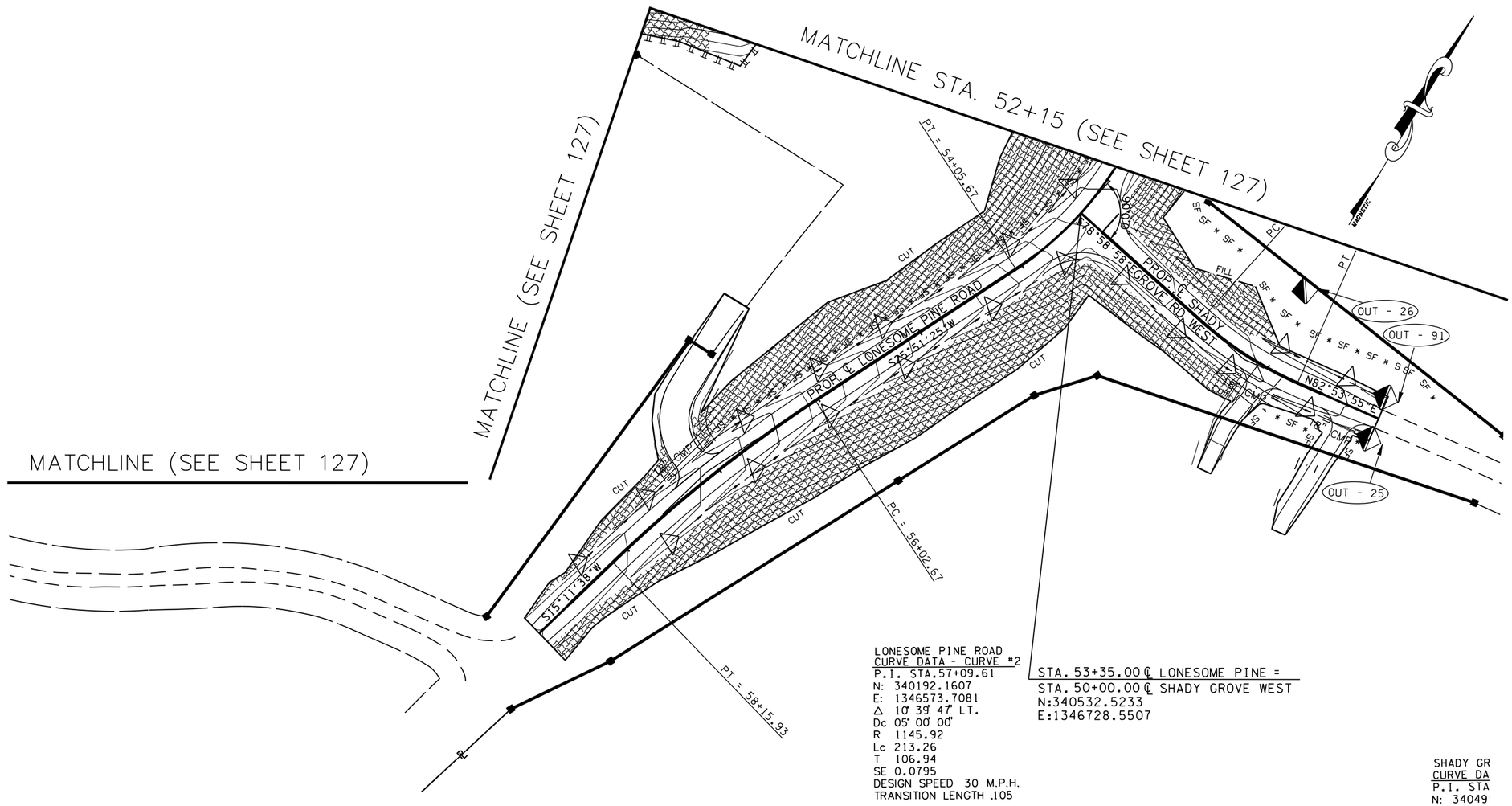
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	160
CONST	2014	36001-3290-14	160

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-26	0.5	15
OF-25	1.1	5
OF-91	0.3	4

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	TEMPORARY BERM	EC-STR-27



LONESOME PINE ROAD
CURVE DATA - CURVE #2
P.I. STA.57+09.61
N: 340192.1607
E: 1346573.7081
Δ 10° 39' 47" LT.
Dc 05° 00' 00"
R 1145.92
Lc 213.26
T 106.94
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .105

STA. 53+35.00 ℄ LONESOME PINE =
STA. 50+00.00 ℄ SHADY GROVE WEST
N:340532.5233
E:1346728.5507

SHADY GR
CURVE DA
P.I. STA
N: 34049
E: 13469
Δ 18° 07
Dc 19° 00
R 301.5
Lc 95.36
T 48.08
SE .05
DESIGN S
TRANSITIC

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III

LONE SOME PINE ROAD AND
SHADY GROVE ROAD WEST
SCALE: 1" = 50'

8/9/2014
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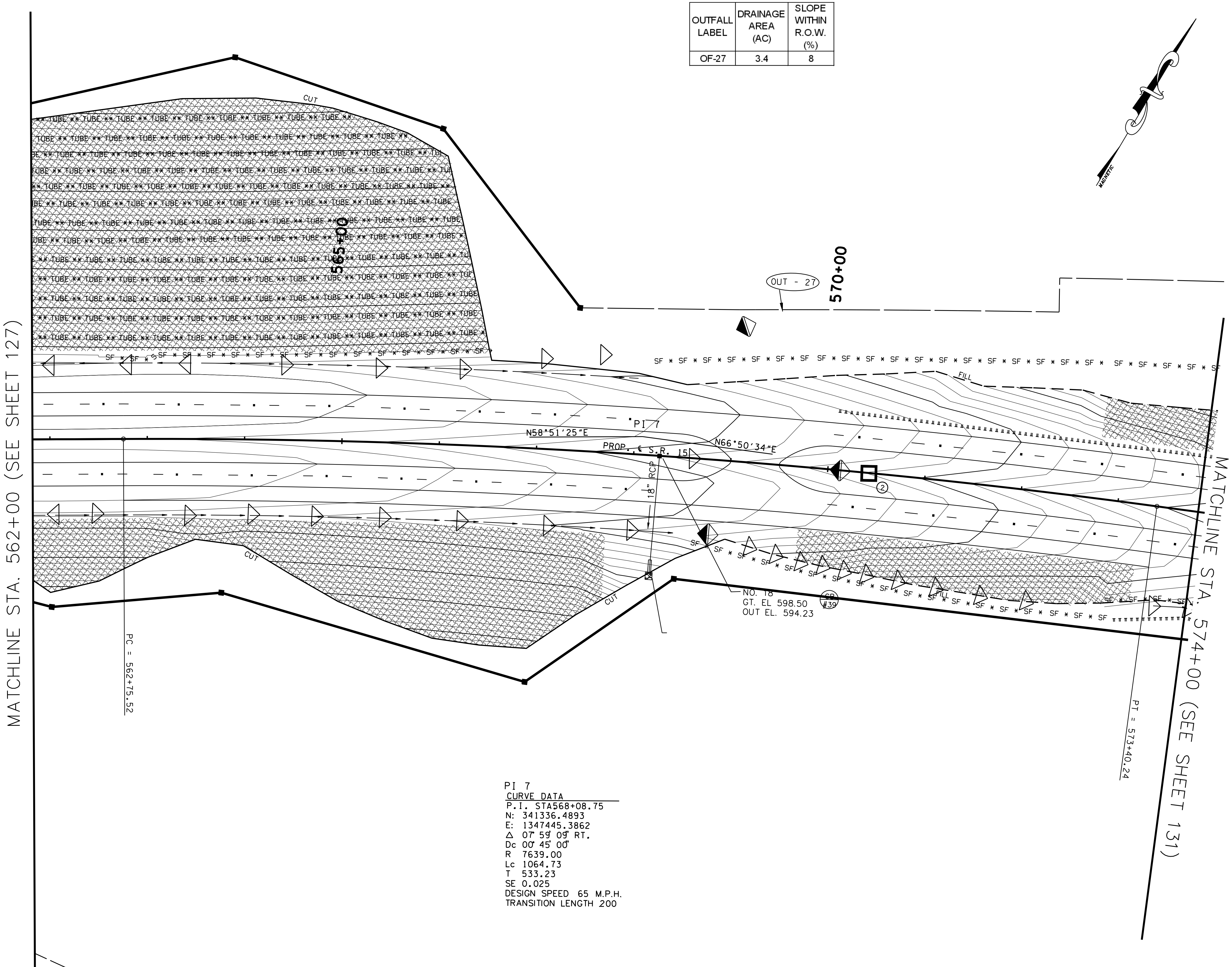
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	161
CONST	2014	36001-3290-14	161

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-27	3.4	8



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
(blanket hatch)	EROSION CONTROL BLANKET	EC-STR-34
* SF * SF * SF *	SILT FENCE	EC-STR-3B
ππππππππ	TEMPORARY BERM	EC-STR-27
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
◁	ROCK CHECK DAM (V-DITCH)	EC-STR-6
◆	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
□ ②	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42

PI 7
CURVE DATA
P.I. STA568+08.75
N: 341336.4893
E: 1347445.3862
Δ 07° 59' 09" RT.
Dc 00° 45' 00"
R 7639.00
Lc 1064.73
T 533.23
SE 0.025
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

BIRDEL F. JACKSON III REGISTERED ENGINEER No. 12717 STATE OF TENNESSEE 7/24/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL PLAN
PHASE III
STA. 562+00 TO 574+00
SCALE: 1" = 50'

8/9/2014
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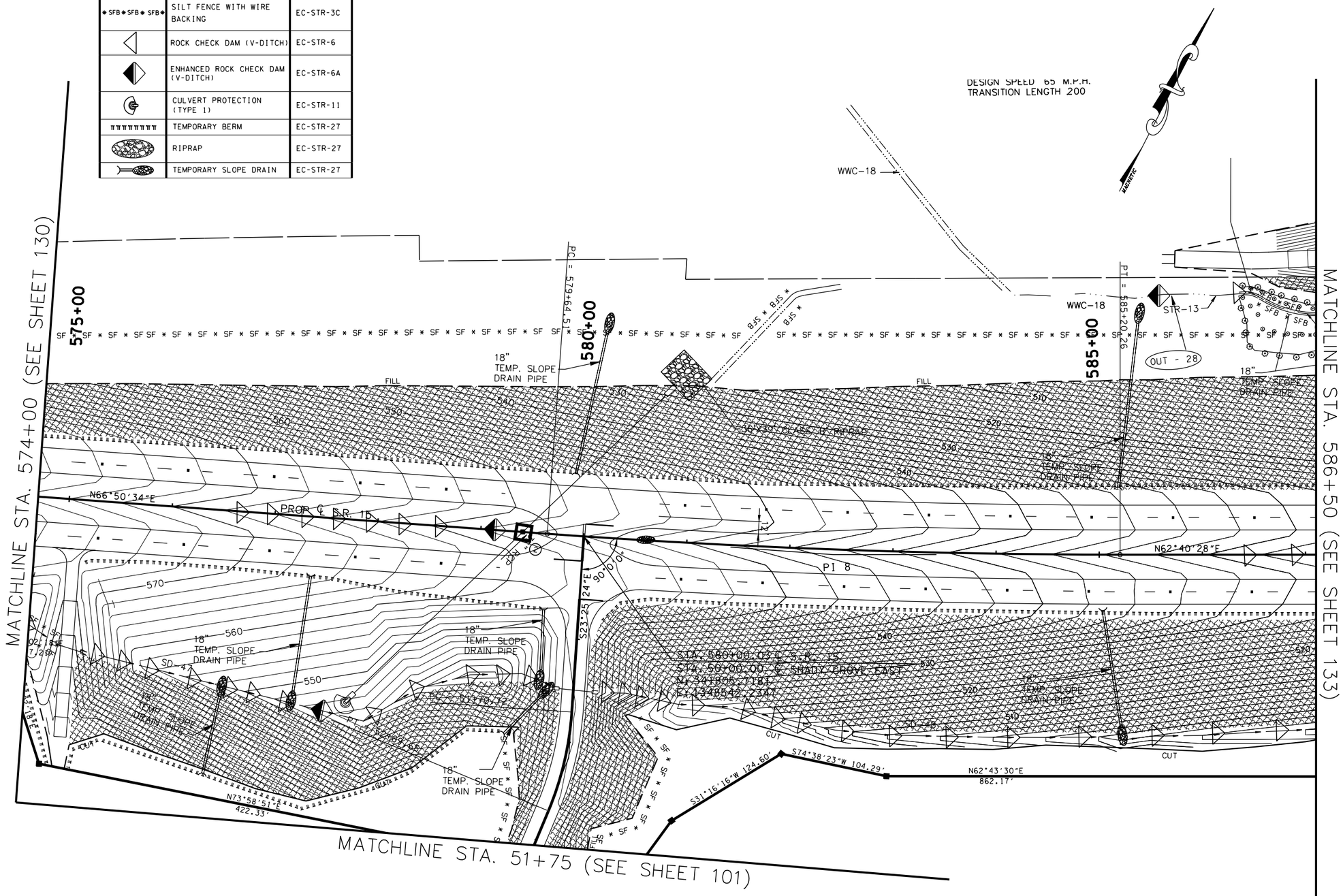
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	162
CONST	2014	36001-3290-14	162

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
SF SF SF SF	SILT FENCE	EC-STR-3B
SFB 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
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-28	15.4	8



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 574+00 TO 586+50
SCALE: 1" = 50'

8/9/2014
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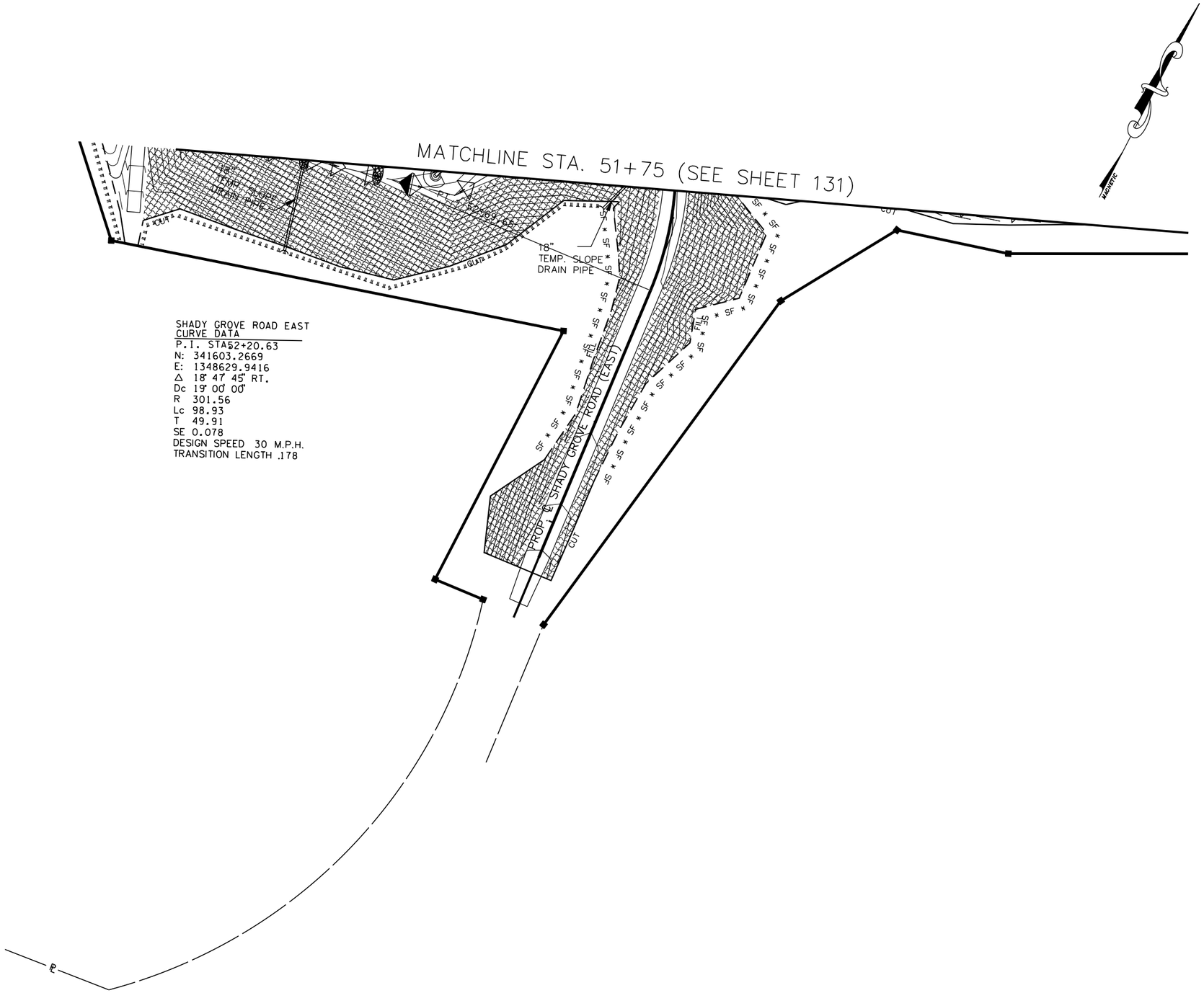
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	163
CONST	2014	36001-3290-14	163



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
SF SF SF	SILT FENCE	EC-STR-3B
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
SHADY GROVE RD EAST
SCALE: 1" = 50'

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

8/9/2014
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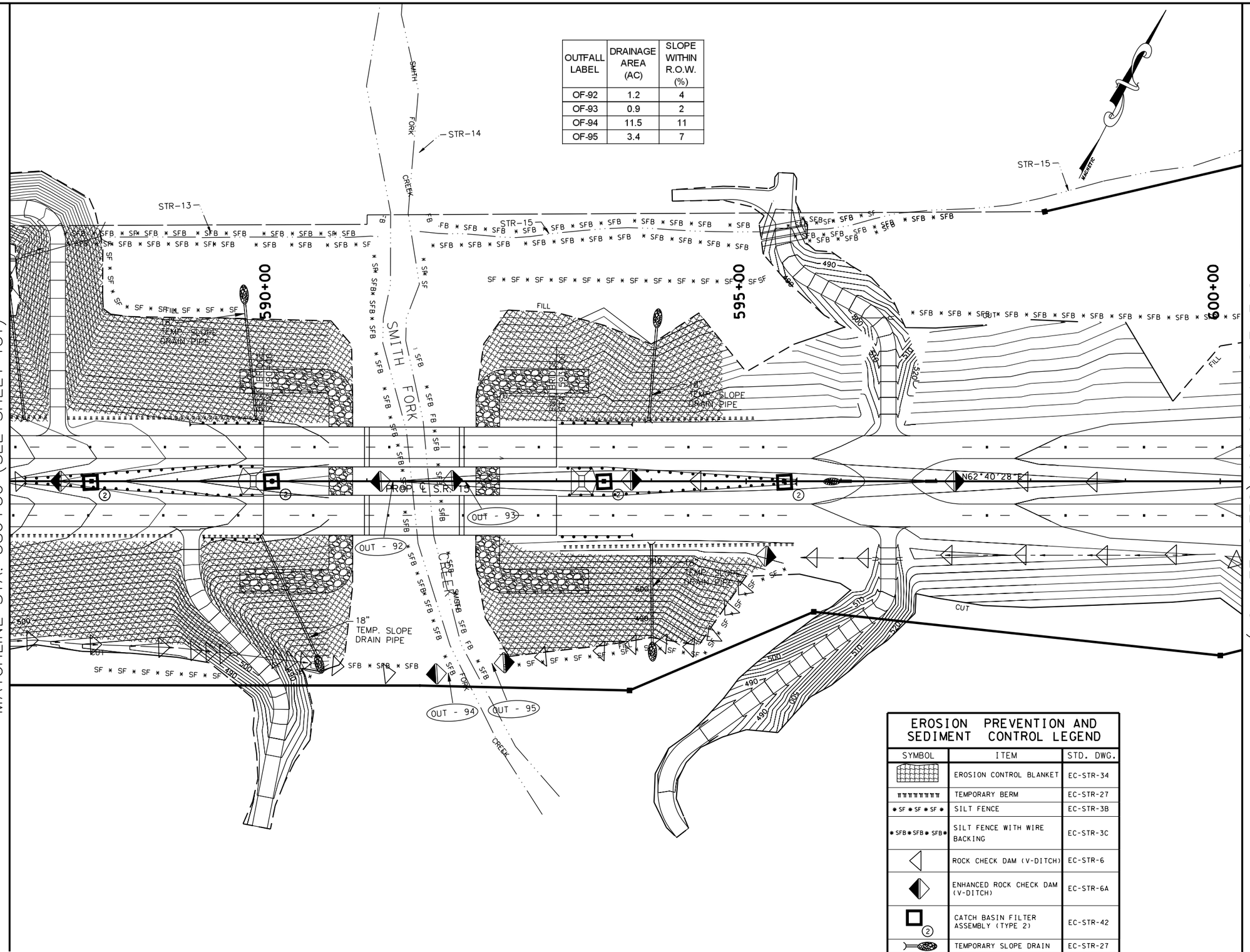
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	164
CONST	2014	36001-3290-14	164

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-92	1.2	4
OF-93	0.9	2
OF-94	11.5	11
OF-95	3.4	7



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
	TEMPORARY BERM	EC-STR-27
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
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	TEMPORARY SLOPE DRAIN	EC-STR-27
	RIPRAP	EC-STR-27

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 586+50 TO 599+50
SCALE: 1" = 50'

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

8/9/2014
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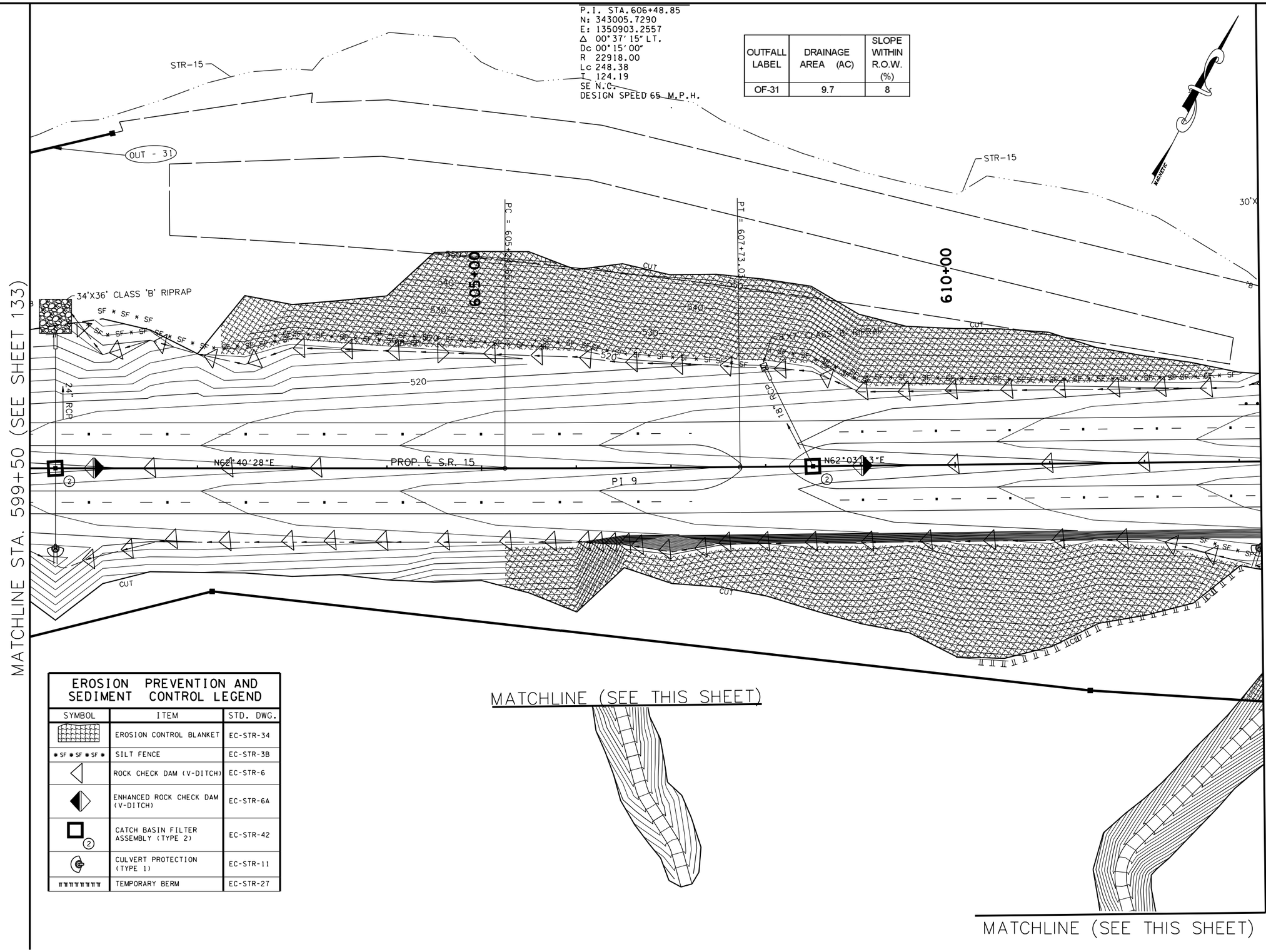
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	165
CONST	2014	36001-3290-14	165

P.I. STA.606+48.85
N: 343005.7290
E: 1350903.2557
Δ 00°37'15" LT.
Dc 00°15'00"
R 22918.00
Lc 248.38
T 124.19
SE N.C.
DESIGN SPEED 65 M.P.H.

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-31	9.7	8



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 599+50 TO 612+50
SCALE: 1" = 50'

8/9/2014
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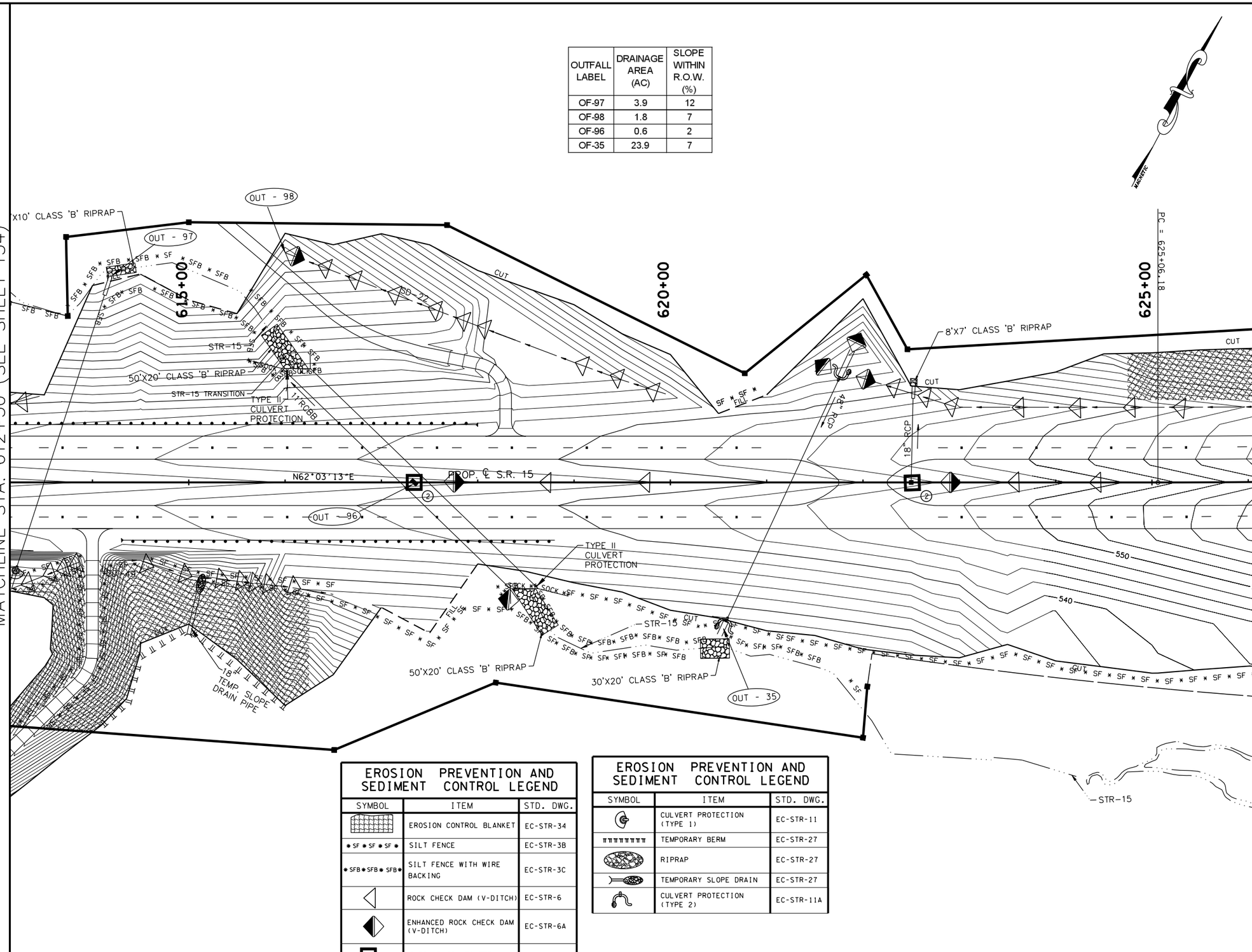
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	166
CONST	2014	36001-3290-14	166

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-97	3.9	12
OF-98	1.8	7
OF-96	0.6	2
OF-35	23.9	7



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
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
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 612+50 TO 625+50
SCALE: 1" = 50'

8/9/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

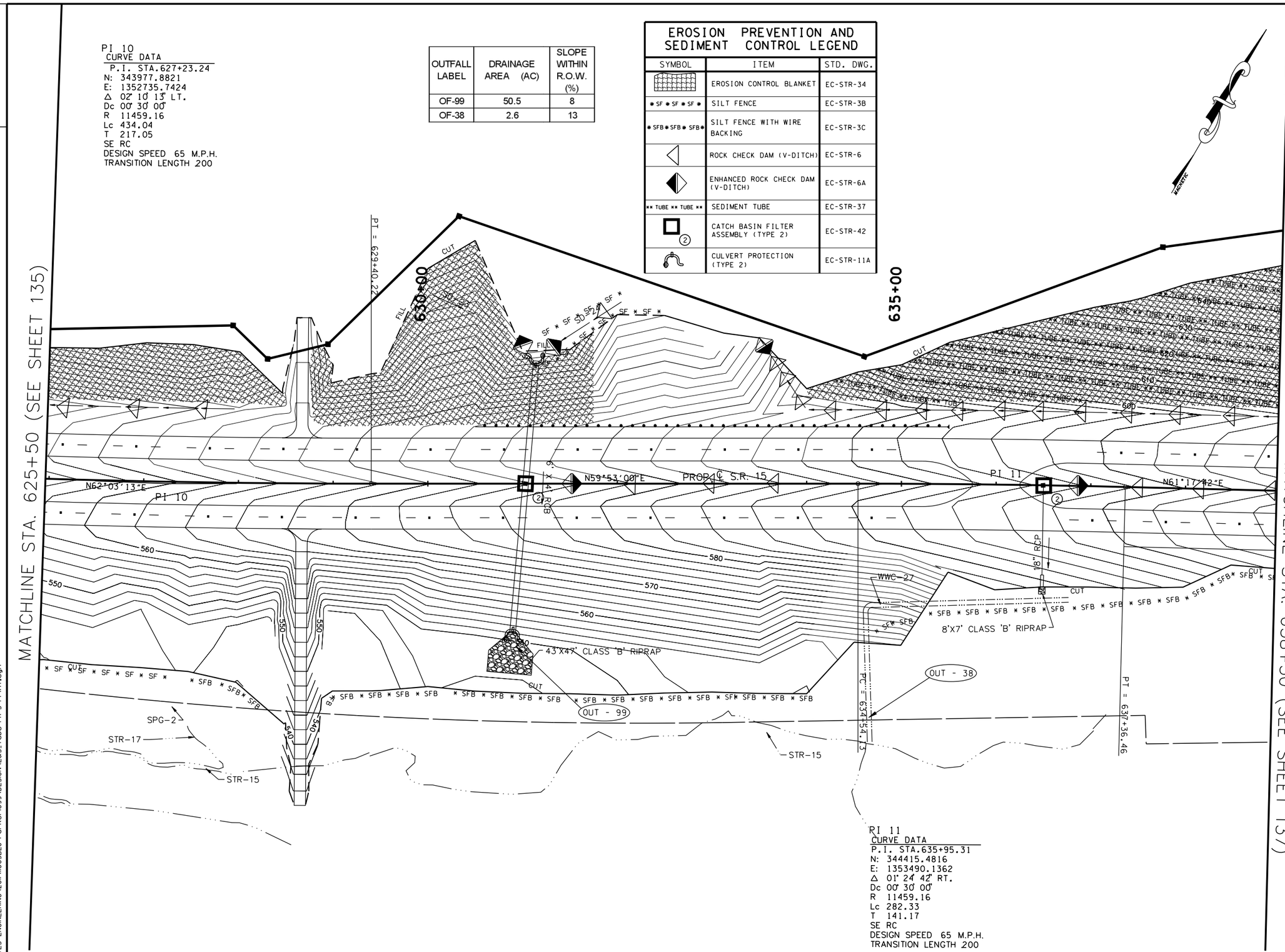
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	167
CONST	2014	36001-3290-14	167

PI 10
CURVE DATA
P.I. STA.627+23.24
N: 343977.8821
E: 1352735.7424
Δ 02° 10' 13" LT.
Dc 00° 30' 00"
R 11459.16
Lc 434.04
T 217.05
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-99	50.5	8
OF-38	2.6	13

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
* 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
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A



PI 11
CURVE DATA
P.I. STA.635+95.31
N: 344415.4816
E: 1353490.1362
Δ 01° 24' 42" RT.
Dc 00° 30' 00"
R 11459.16
Lc 282.33
T 141.17
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 625+50 TO 638+50
SCALE: 1" = 50'

8/9/2014
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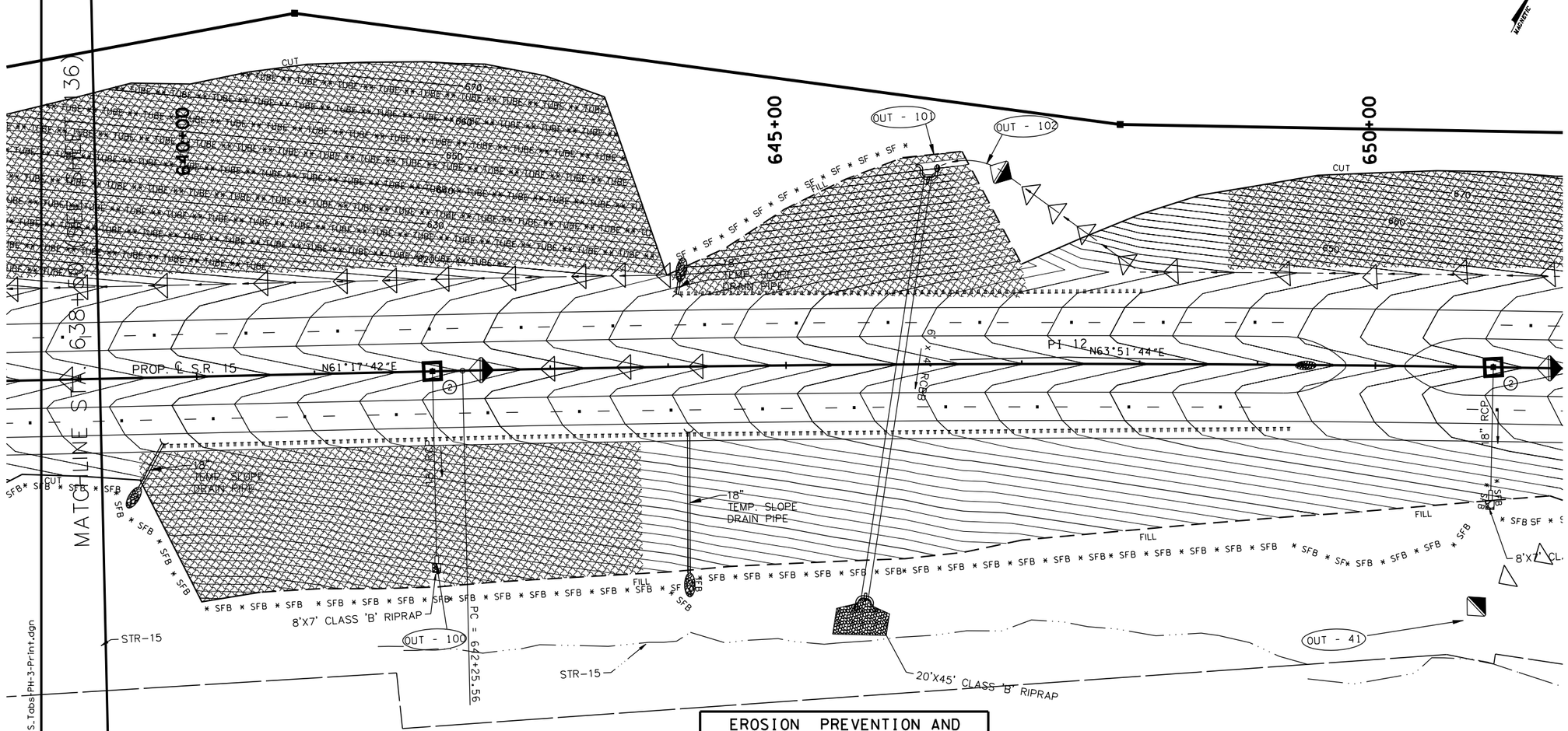
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-100	1.0	6
OF-101	1.9	22
OF-102	4.6	22
OF-41	2.1	14



TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	168
CONST	2014	36001-3290-14	168

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	TEMPORARY SLOPE DRAIN	EC-STR-27
	RIPRAP	EC-STR-27
	TEMPORARY BERM	EC-STR-27

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
SF 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
TUBE TUBE	SEDIMENT TUBE	EC-STR-37
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A

PI 12
CURVE DATA
P.I. STA.647+39.11
N: 344964.8551
E: 1354493.3792
Δ 02°34'02" RT.
Dc 00°15'00"
R 22918.31
Lc 1026.92
T 513.54
SE NC
DESIGN SPEED 65 M.P.H.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 638+50 TO 651+50
SCALE: 1" = 50'

8/9/2014
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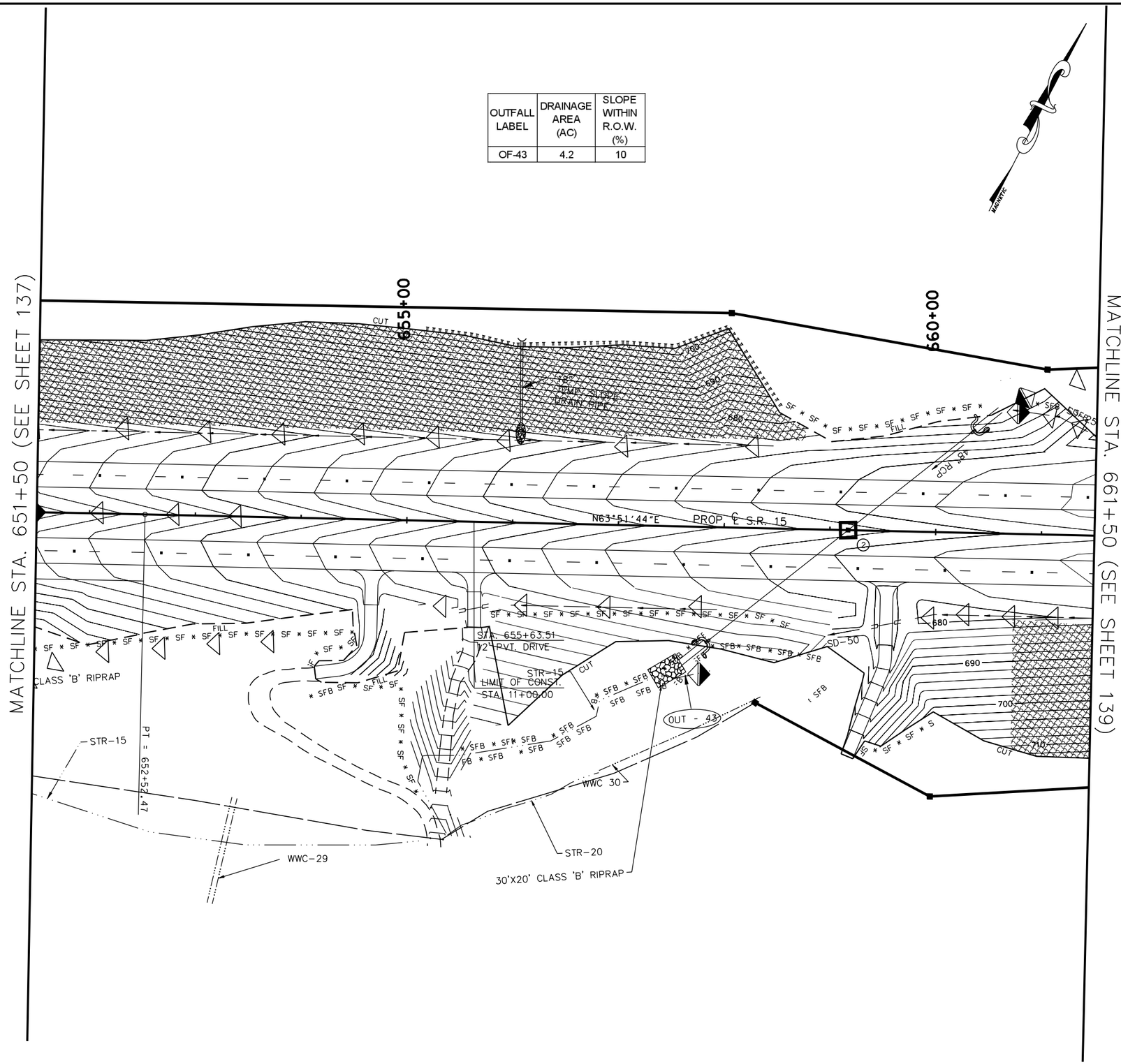
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	169
CONST	2014	36001-3290-14	169

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-43	4.2	10



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
* 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
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	TEMPORARY SLOPE DRAIN	EC-STR-27
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 651+50 TO 661+50
SCALE: 1" = 50'

8/9/2014
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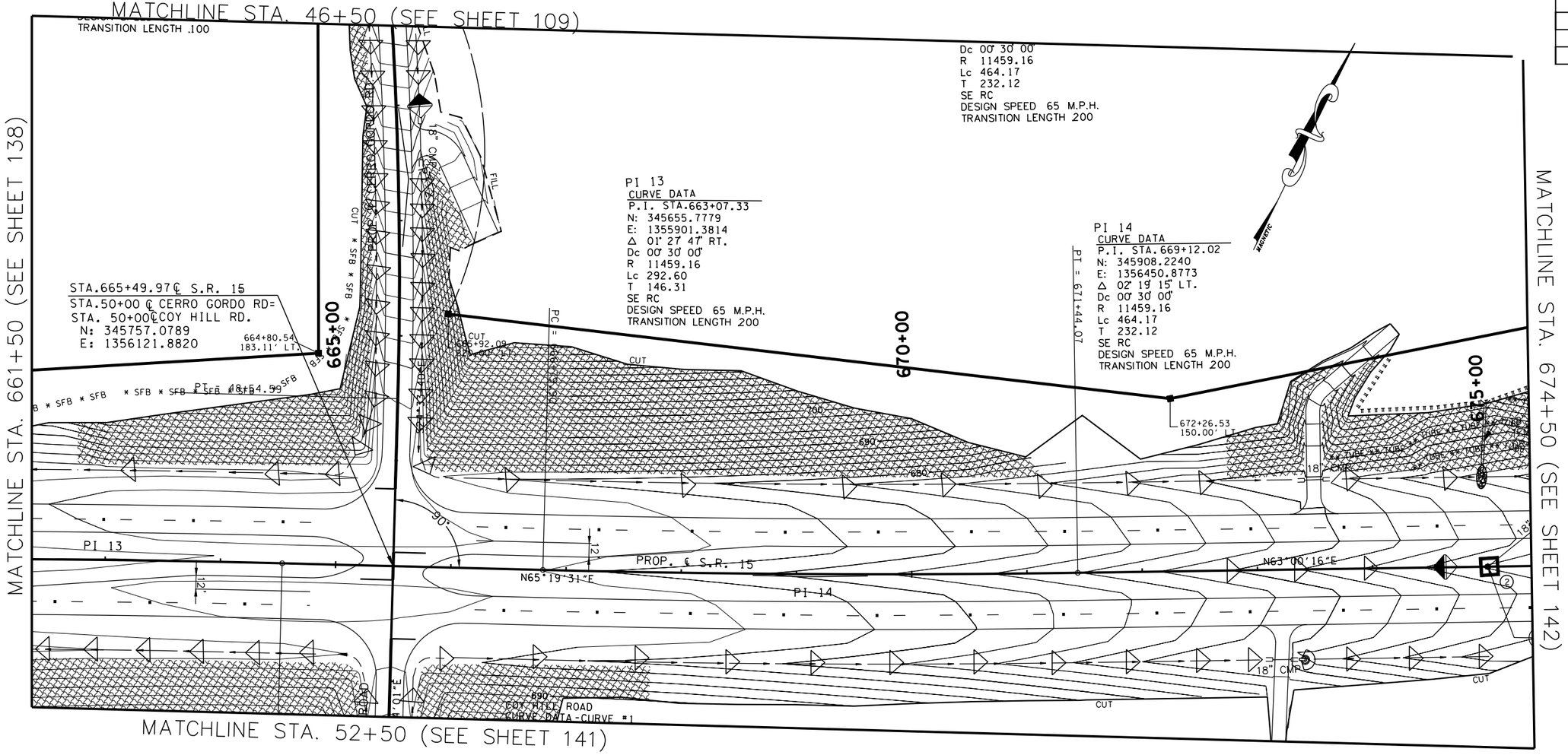
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	170
CONST	2014	36001-3290-14	170

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



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
* 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
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY SLOPE DRAIN	EC-STR-27

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 661+50 TO 674+50
SCALE: 1" = 50'

8/9/2014
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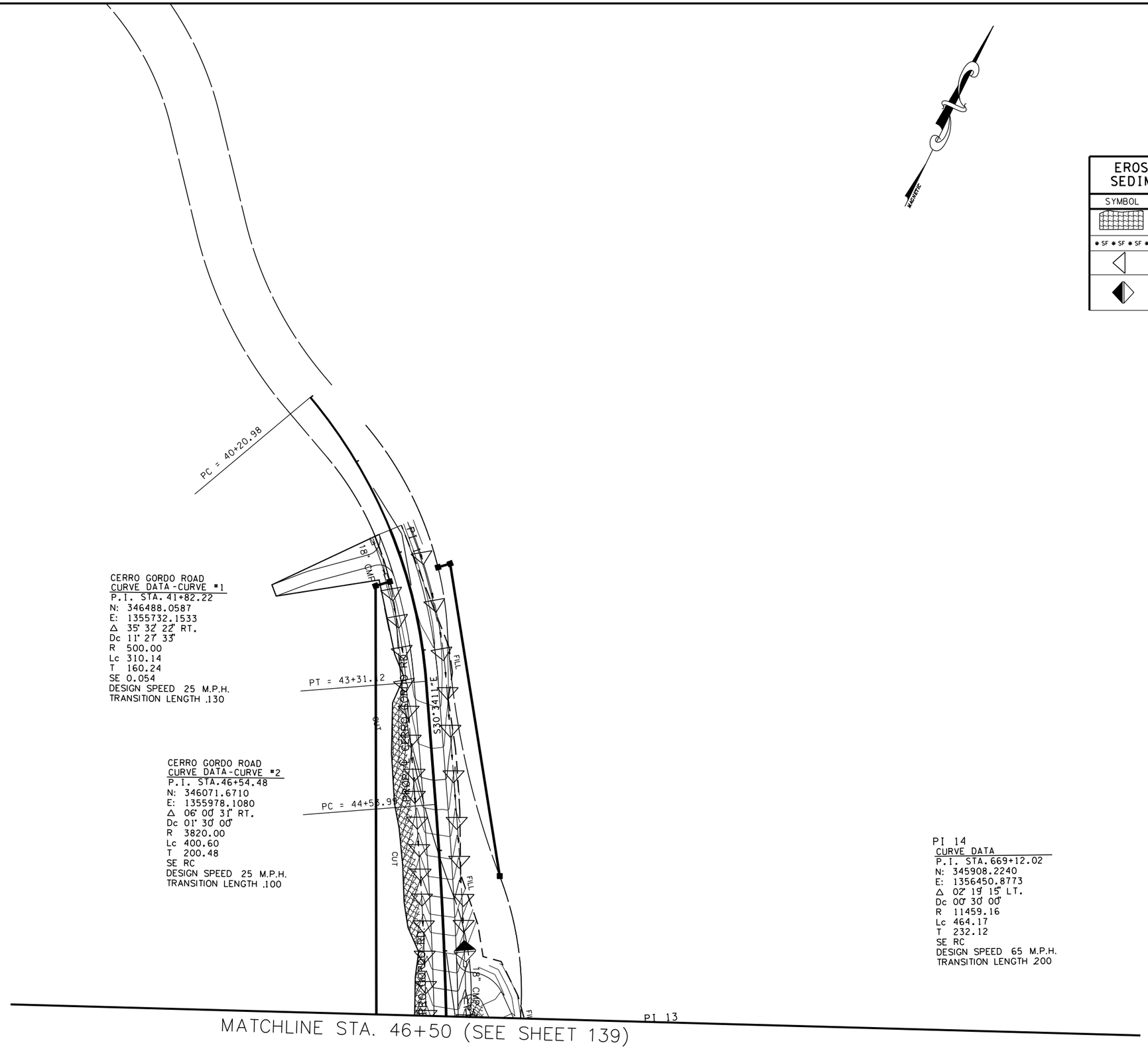
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	171
CONST	2014	36001-3290-14	171



CERRO GORDO ROAD
CURVE DATA-CURVE #1
P.I. STA. 41+82.22
N: 346488.0587
E: 1355732.1533
Δ 35° 32' 22" RT.
Dc 11° 27' 33"
R 500.00
Lc 310.14
T 160.24
SE 0.054
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH .130

CERRO GORDO ROAD
CURVE DATA-CURVE #2
P.I. STA.46+54.48
N: 346071.6710
E: 1355978.1080
Δ 06° 00' 31" RT.
Dc 01° 30' 00"
R 3820.00
Lc 400.60
T 200.48
SE RC
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH .100

PI 14
CURVE DATA
P.I. STA.669+12.02
N: 345908.2240
E: 1356450.8773
Δ 02° 19' 15" LT.
Dc 00° 30' 00"
R 11459.16
Lc 464.17
T 232.12
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
SF SF SF	SILT FENCE	EC-STR-3B
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
CERO GORDO ROAD
SCALE: 1" = 50'

8/9/2014
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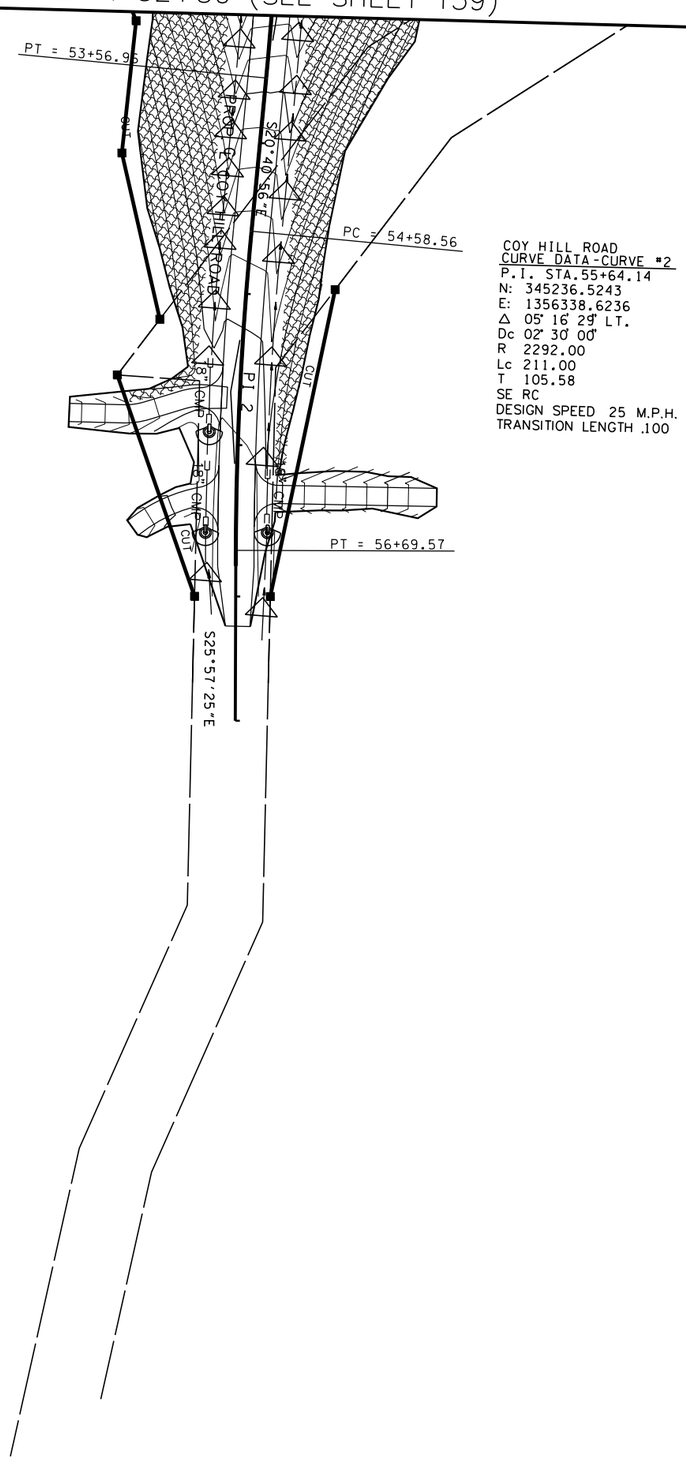
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	172
CONST	2014	36001-3290-14	172

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

MATCHLINE STA. 52+50 (SEE SHEET 139)



I 13
CURVE DATA
P.I. STA.663+07.33
N: 345655.7779
E: 1355901.3814
Δ 01° 27' 47" RT.
Dc 00° 30' 00"
R 11459.16
Lc 292.60
T 146.31
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

COY HILL ROAD
CURVE DATA-CURVE #2
P.I. STA.55+64.14
N: 345236.5243
E: 1356338.6236
Δ 05° 16' 29" LT.
Dc 02° 30' 00"
R 2292.00
Lc 211.00
T 105.58
SE RC
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH 100

MAGNETIC

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	CULVERT PROTECTION (TYPE 1)	EC-STR-11

BIRDEL E. JACKSON III
STATE OF TENNESSEE
7/18/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
COY HILL ROAD
SCALE: 1" = 50'

8/9/2014
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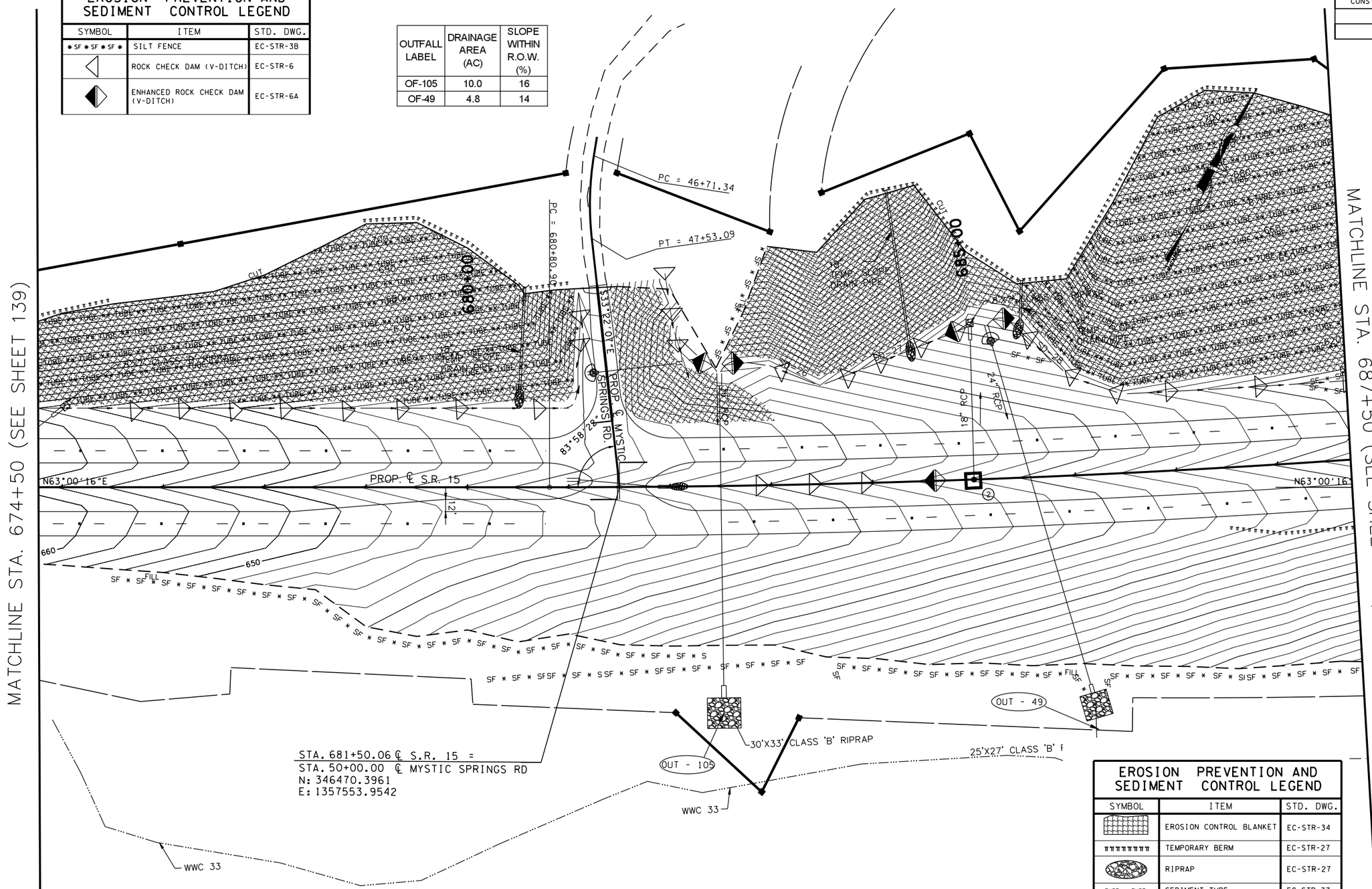
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	173
CONST	2014	36001-3290-14	173

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

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SF SF SF SF	SILT FENCE	EC-STR-3B
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-105	10.0	16
OF-49	4.8	14



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
TUBE TUBE	SEDIMENT TUBE	EC-STR-37
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	TEMPORARY SLOPE DRAIN	EC-STR-27

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 674+50 TO 687+50
SCALE: 1" = 50'

8/9/2014
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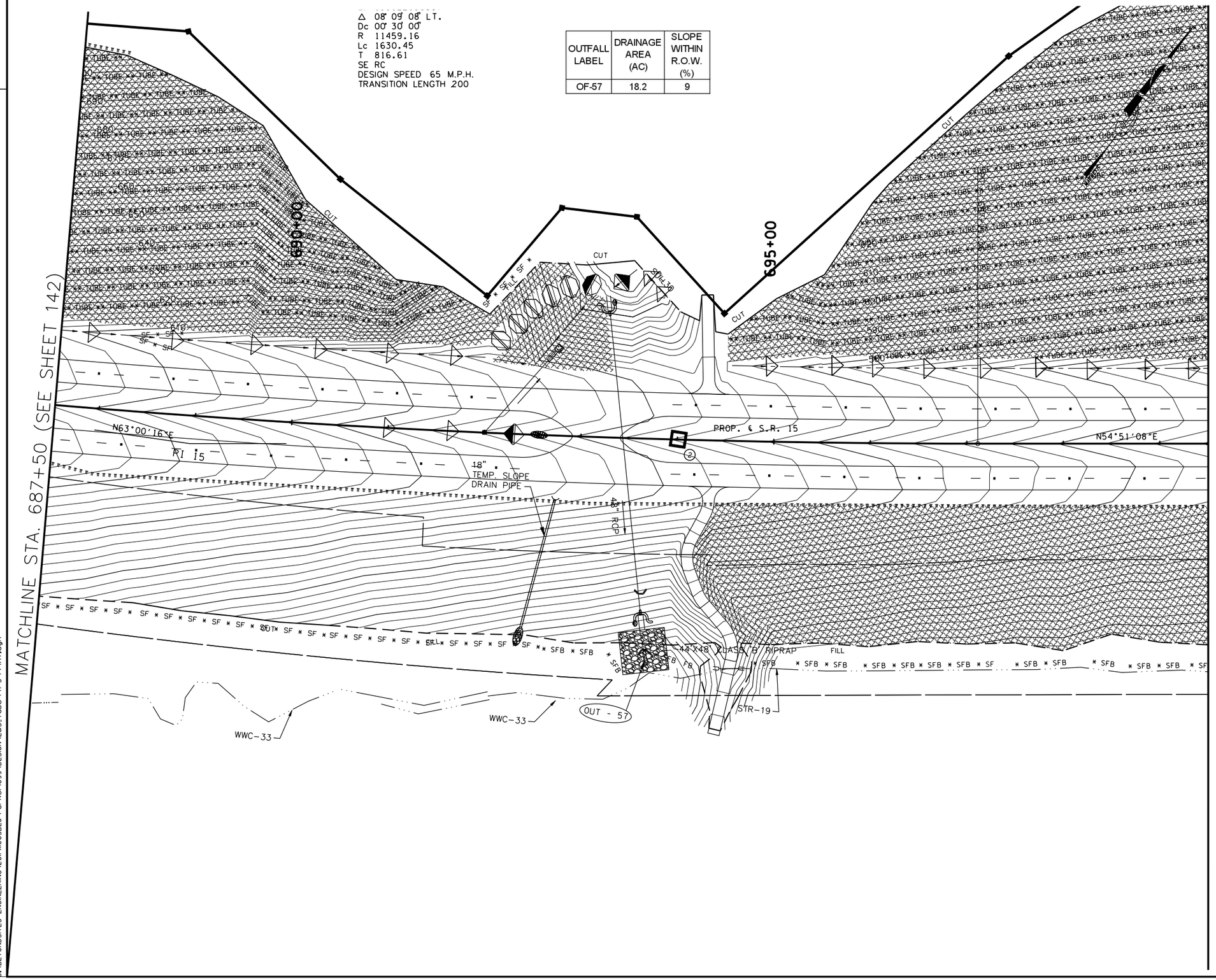
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	174
CONST	2014	36001-3290-14	174

△ 08° 09' 08" LT.
Dc 00° 30' 00"
R 11459.16
Lc 1630.45
T 816.61
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-57	18.2	9



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
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
	ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6A
TUBE TUBE	SEDIMENT TUBE	EC-STR-37
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	TEMPORARY BERM	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
	RIPRAP	EC-STR-27

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 687+50 TO 699+50
SCALE: 1" = 50'

8/9/2014
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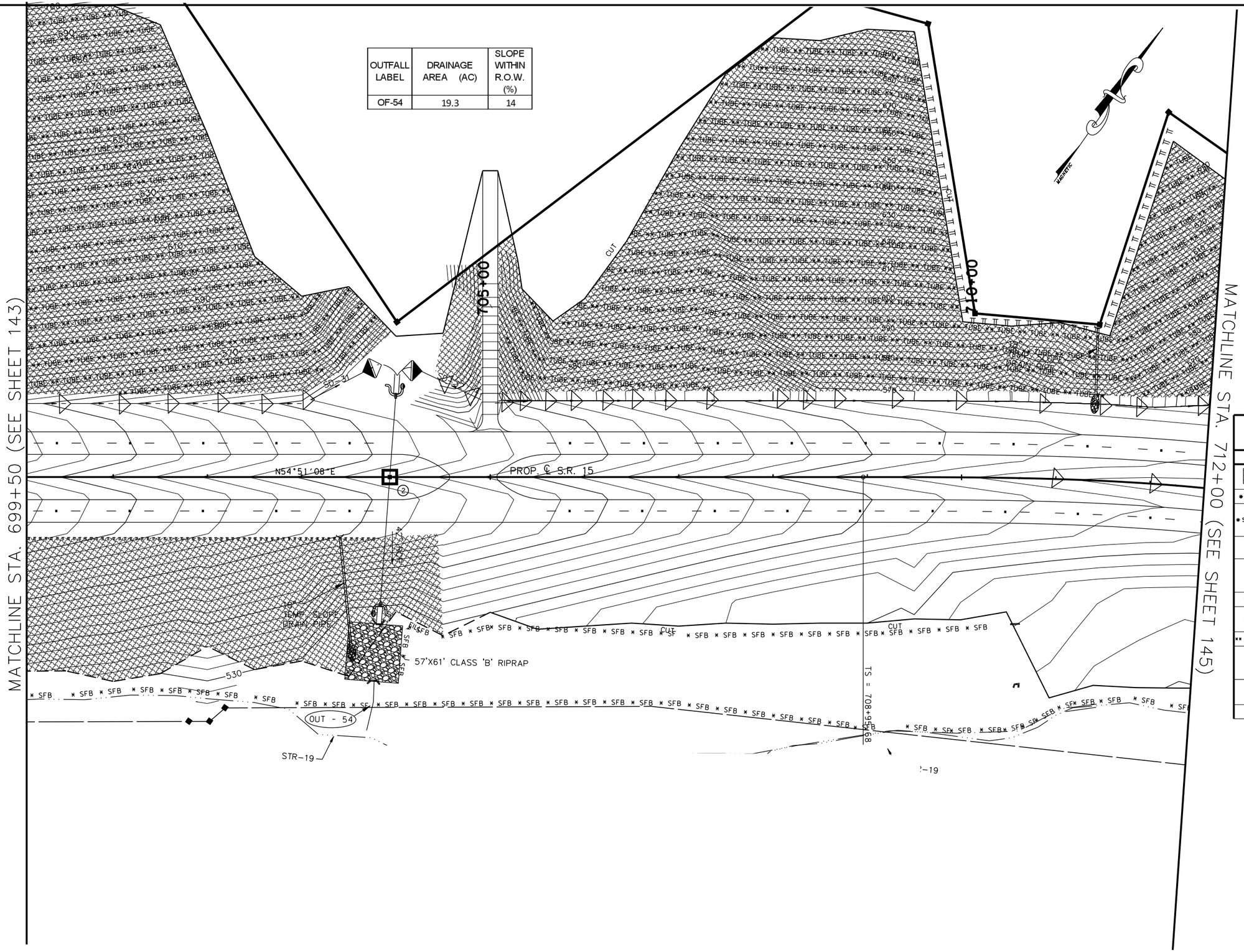
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	175
CONST	2014	36001-3290-14	175

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-54	19.3	14



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
* 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
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
	TEMPORARY SLOPE DRAIN	EC-STR-27

BRADLEY F. JACKSON III
REGISTERED ENGINEER
STATE OF TENNESSEE
8/9/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 699+50 TO 712+00
SCALE: 1" = 50'

8/9/2014
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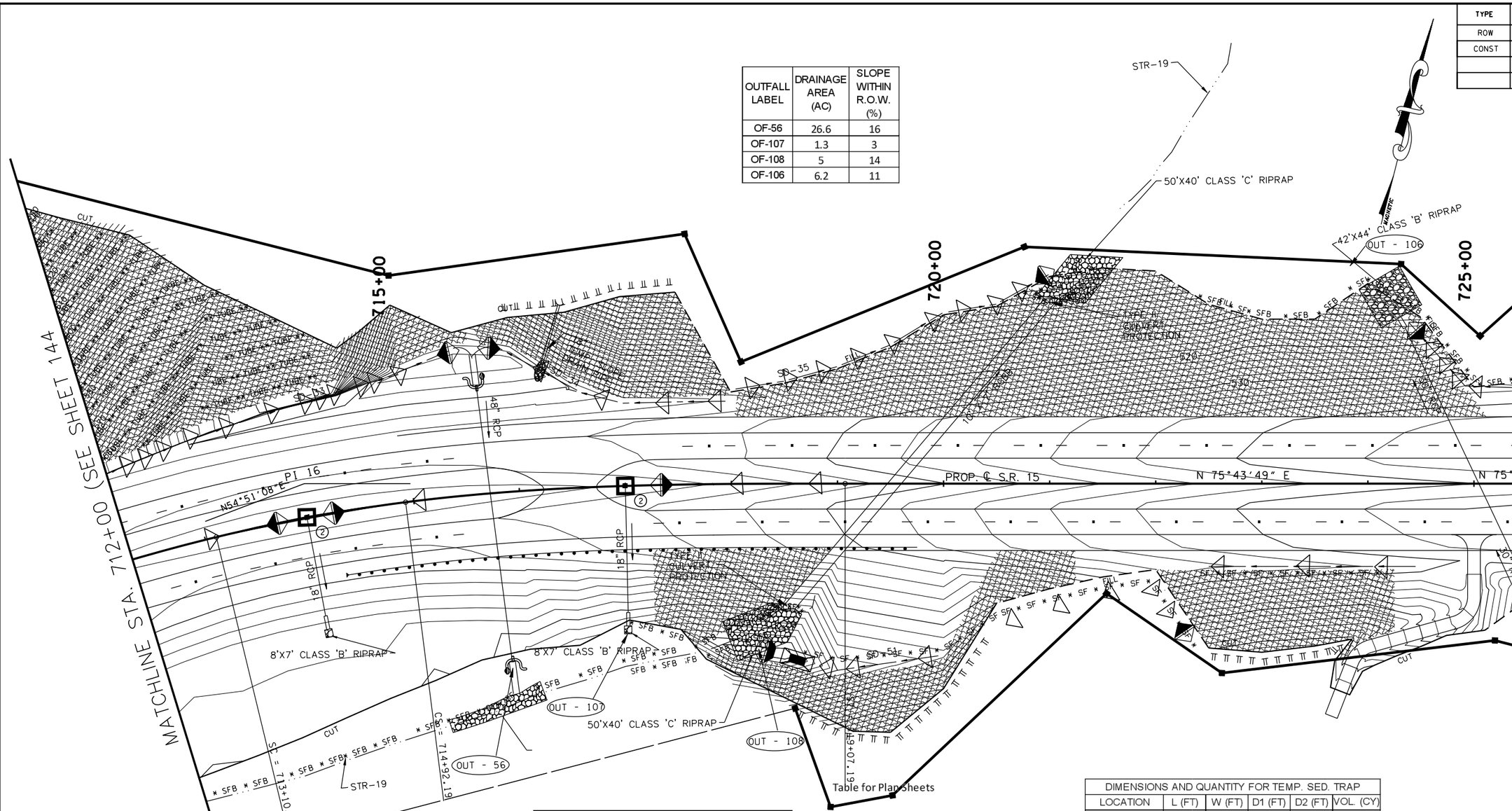
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	176
CONST	2014	36001-3290-14	176

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-56	26.6	16
OF-107	1.3	3
OF-108	5	14
OF-106	6.2	11



DIMENSIONS AND QUANTITY FOR TEMP. SED. TRAP					
LOCATION	L (FT)	W (FT)	D1 (FT)	D2 (FT)	VOL. (CY)
718+25 RT	70	35	3	1.5	342

PI 16
CURVE DATA (SPIRAL)
P.I. STA. 714+05.49
N: 348254.9077
E: 1360273.0371
Δ_s 20°52'42" RT.
Θ_s 07°15'45"
Δ_c 06°21'11" RT.
Dc 03°30'00"
R 1637.00
Lc 181.51
Ts 509.80
Ls 415
SE 0.077
DESIGN SPEED 65 M.P.H.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
* 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
	SEDIMENT TRAP WITH ENHANCED ROCK CHECK DAM	EC-STR-7
	TEMPORARY SLOPE DRAIN	EC-STR-27

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	TEMPORARY BERM	EC-STR-27
	RIPRAP	EC-STR-27
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 712+00 TO 725+00
SCALE: 1" = 50'

8/9/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	177
CONST	2014	36001-3290-14	177

BAPTIST LOOP ROAD
CURVE DATA
P.I. STA.48+73.20
N: 348748.9244
E: 1361621.7255
Δ 70°27′29″ RT.
Dc 52°05′13″
R 110.00
Lc 135.27
T 77.68
SE 0.08
DESIGN SPEED 20 M.P.H.
TRANSITION LENGTH 160

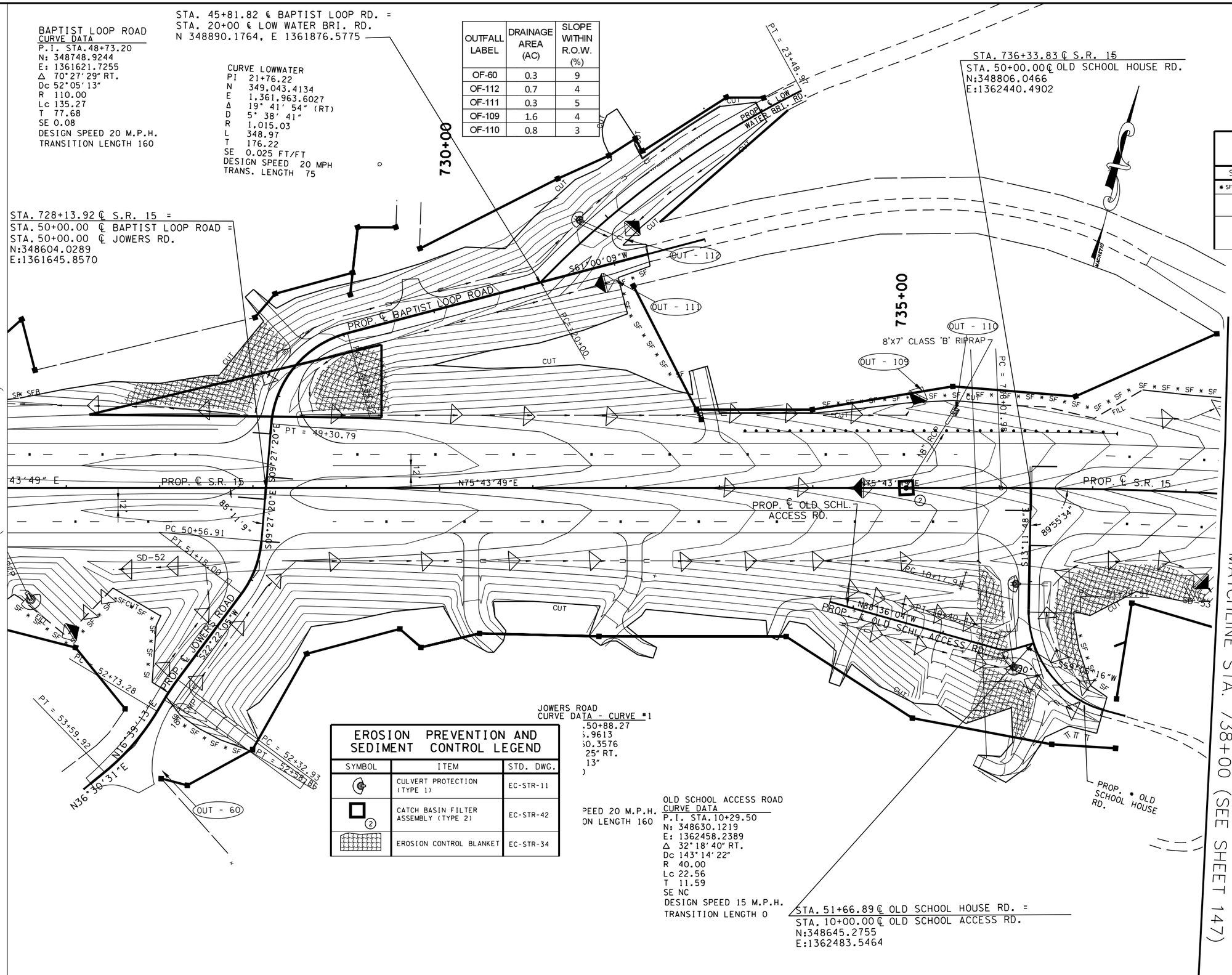
STA. 45+81.82 ℄ BAPTIST LOOP RD. =
STA. 20+00 ℄ LOW WATER BRI. RD.
N 348890.1764, E 1361876.5775

CURVE LOWWATER
PI 21+76.22
N 349,043.4134
E 1,361,963.6027
Δ 19° 41′ 54″ (RT)
D 5° 38′ 41″
R 1,015.03
L 348.97
T 176.22
SE 0.025 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 75

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-60	0.3	9
OF-112	0.7	4
OF-111	0.3	5
OF-109	1.6	4
OF-110	0.8	3

STA. 736+33.83 ℄ S.R. 15
STA. 50+00.00 ℄ OLD SCHOOL HOUSE RD.
N:348806.0466
E:1362440.4902

STA. 728+13.92 ℄ S.R. 15 =
STA. 50+00.00 ℄ BAPTIST LOOP ROAD =
STA. 50+00.00 ℄ JOWERS RD.
N:348604.0289
E:1361645.8570



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	EROSION CONTROL BLANKET	EC-STR-34

JOWERS ROAD
CURVE DATA - CURVE #1
.50+88.27
5.9613
50.3576
25" RT.
13"
)

PEED 20 M.P.H.
ON LENGTH 160

OLD SCHOOL ACCESS ROAD
CURVE DATA
P.I. STA.10+29.50
N: 348630.1219
E: 1362458.2389
Δ 32°18′40″ RT.
Dc 143°14′22″
R 40.00
Lc 22.56
T 11.59
SE NC
DESIGN SPEED 15 M.P.H.
TRANSITION LENGTH 0

STA. 51+66.89 ℄ OLD SCHOOL HOUSE RD. =
STA. 10+00.00 ℄ OLD SCHOOL ACCESS RD.
N:348645.2755
E:1362483.5464

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 725+00 TO 738+00
SCALE: 1" = 50'

8/9/2014
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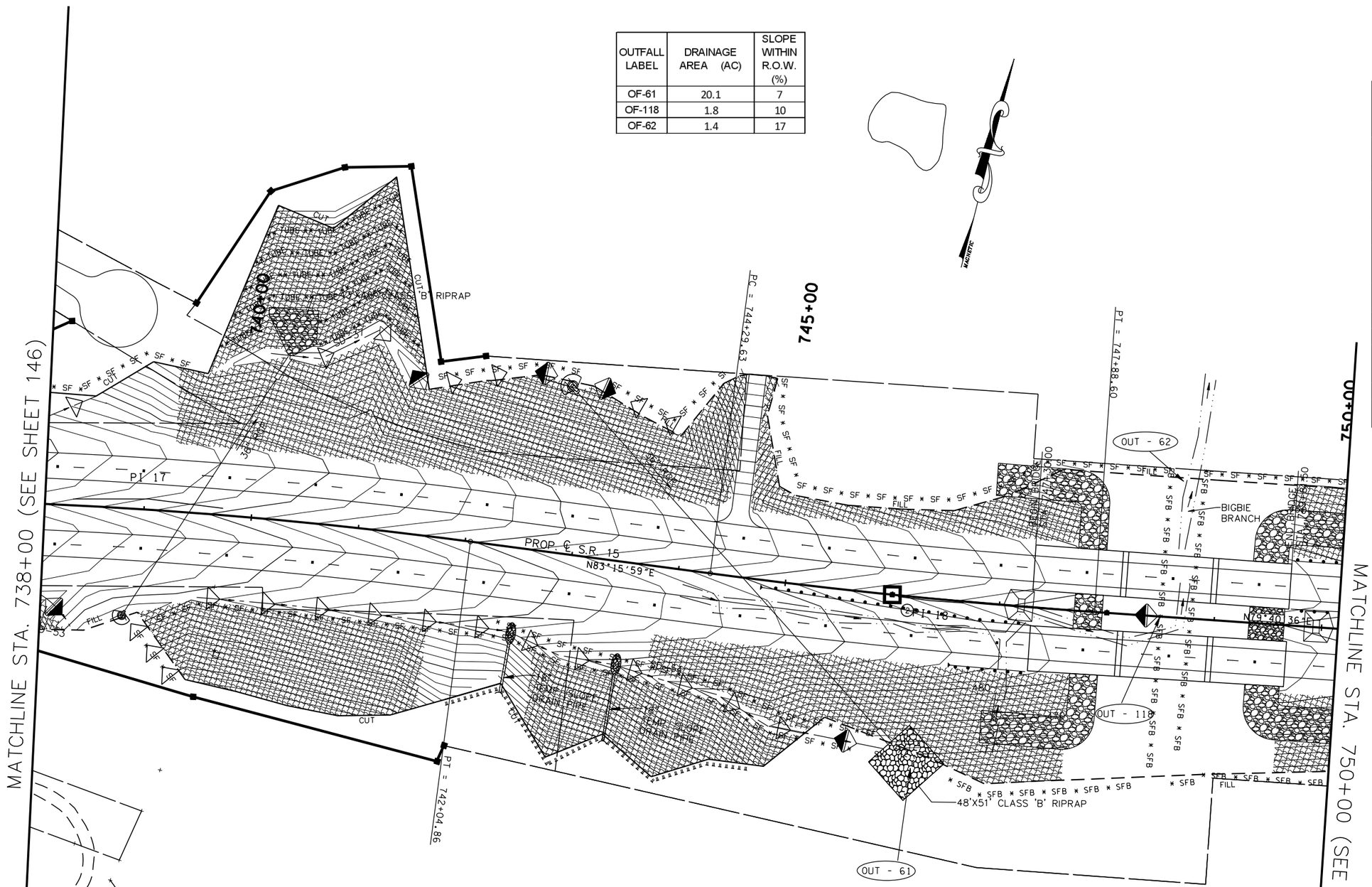
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	178
CONST	2014	36001-3290-14	178

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-61	20.1	7
OF-118	1.8	10
OF-62	1.4	17



OLD SCHOOL HOUSE ROAD
CURVE DATA
P.I. STA.52+16.06
N: 348595.6889
E: 1362489.8158
Δ 76°05'59" LT.
Dc 52°05'13"
R 110.00
Lc 146.10
T 86.10
SE 0.06
DESIGN SPEED 15 M.P.H.
TRANSITION LENGTH 120

PI 17
CURVE DATA
P.I. STA.739+03.86
N: 348872.7116
E: 1362702.1592
Δ 07° 32' 10" RT.
Dc 01° 15' 00"
R 4583.66
Lc 602.88
T 301.88
SE 0.040
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

PI 18
CURVE DATA
P.I. STA.746+09.18
N: 348955.5151
E: 1363403.4808
Δ 03° 35' 23" LT.
Dc 01° 00' 00"
R 5729.58
Lc 358.97
T 179.54
SE 0.033
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
* 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
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
	TEMPORARY SLOPE DRAIN	EC-STR-27
	RIPRAP	EC-STR-27

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 738+00 TO 750+00
SCALE: 1" = 50'

8/9/2014
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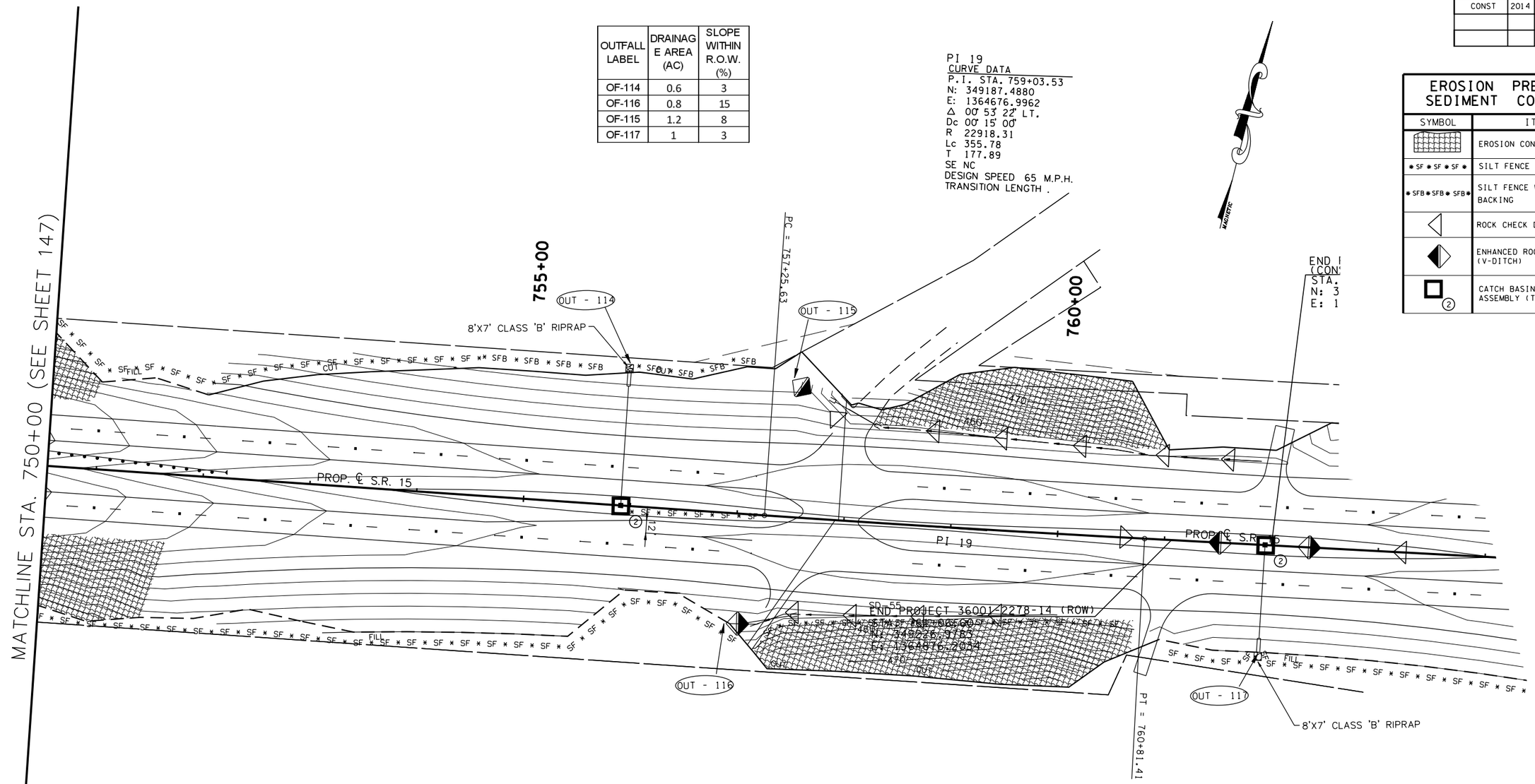
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	179
CONST	2014	36001-3290-14	179

OUTFALL LABEL	DRAINAGE AREA (AC)	SLOPE WITHIN R.O.W. (%)
OF-114	0.6	3
OF-116	0.8	15
OF-115	1.2	8
OF-117	1	3

PI 19
CURVE DATA
P.I. STA. 759+03.53
N: 349187.4880
E: 1364676.9962
Δ 00° 53' 22" LT.
Dc 00° 15' 00"
R 22918.31
Lc 355.78
T 177.89
SE NC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH .



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
	EROSION CONTROL BLANKET	EC-STR-34
* 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
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
EROSION CONTROL
PLAN
PHASE III
STA. 750+00 TO EOP
SCALE: 1" = 50'

8/9/2014
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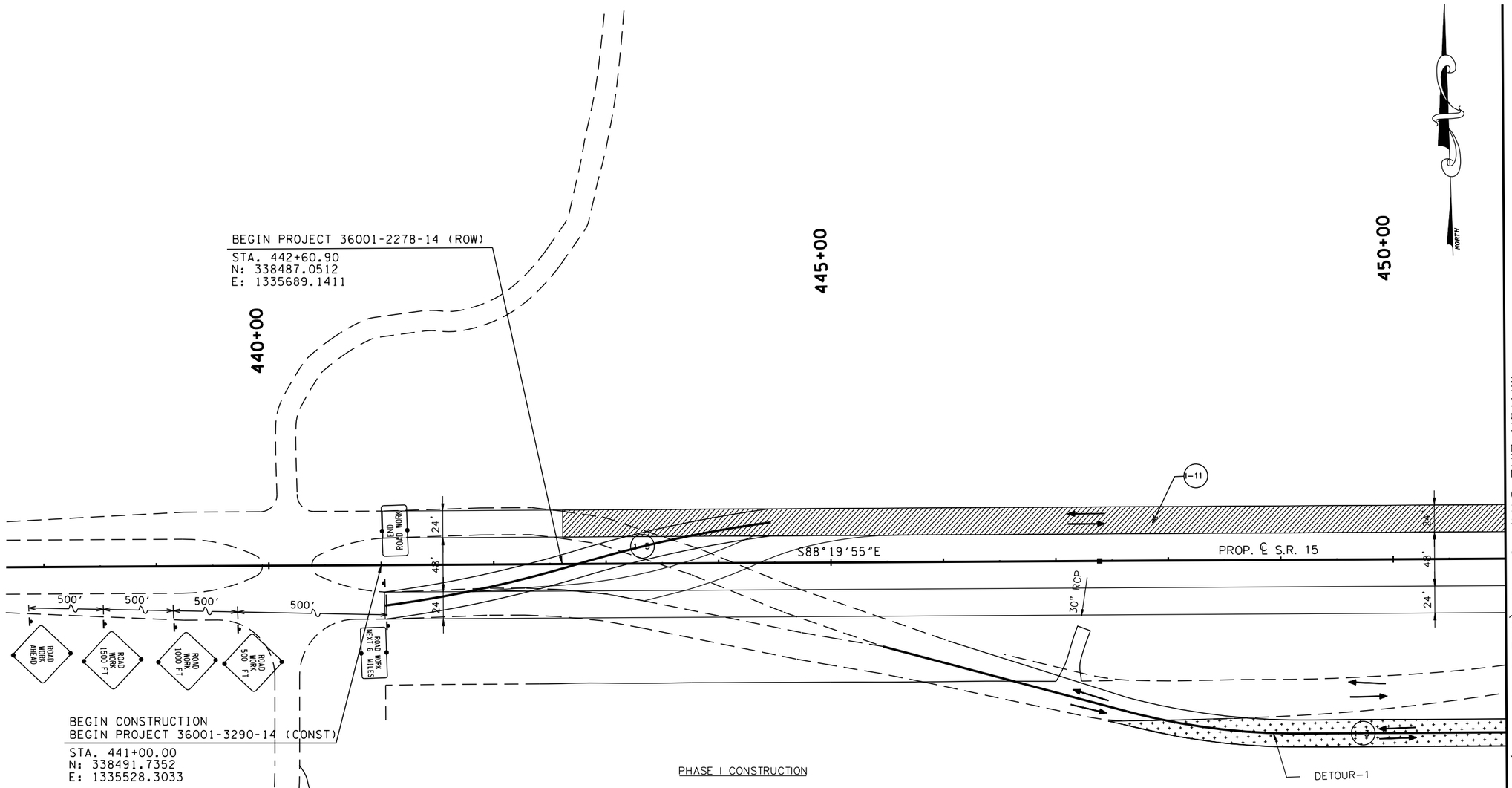
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	180
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



MATCH LINE STA. 451+00 (SEE SHEET 150)

~~BURNT CHURCH RD.~~
CURVE DATA
P.I. STA.52+06.86
N: 338287.4624
E: 1335437.5177
Δ 06° 56' 38" RT.
Dc 12° 00' 00"
R 477.46
Lc 57.87
T 28.97
SE 0.038
DESIGN SPEED 30 M.P.H.

PHASE I CONSTRUCTION

1. INSTALL ADVANCE CONSTRUCTION WARNING SIGNS AT THE BEGINNING AND END OF PROJECT.
2. INSTALL "ROAD WORK AHEAD" SIGNS ON ALL AFFECTED SIDE ROADS.
3. CONSTRUCT 2-LANE DETOUR OF SR15 FROM STA. 447+45 TO STA. 466+30, AND FROM STA. 475+00 TO STA. 484+00. STRIPE LANES AND DIVERT TRAFFIC TO THE NEW DETOUR ROADS.
4. CONSTRUCT THE WEST BOUND LANES OF SR 15 FROM THE BEGINNING OF JOB TO STA. 482+50 AND FROM STA. 625+00 TO STA. 734+00.
6. CONSTRUCT THE EASTBOUND BRIDGE AT BIGBEE BRANCH.
7. CONSTRUCT ALL CROSS DRAINS UNDER THE PROPOSED ROADWAY WITHIN THE LIMITS DESCRIBED.
8. CONSTRUCT ALL DRIVEWAYS AND SIDE ROADS THAT TIE TO THE NEW LANES.
5. TIE ENDS OF NEW CONSTRUCTION TO EXISTING ROADWAYS AS SHOWN, FROM STA. 441+00 (EASTBOUND) TO STA. 444+50, STA. 482+50 TO STA. 484+50, STA. 618+00 TO STA. 625+00 AND STA. 734+00 TO STA. 738+00.
9. STRIPE TEMPORARY DOUBLE 4" SOLID YELLOW LINE ON NEW PAVEMENT AND TO TIE-INS.
10. INSTALL SIGNS..
11. DIVERT EXISTING TRAFFIC TO THE NEW LANES.
12. MAINTAIN TWO LANES OF TRAFFIC AT ALL TIMES. IN SHORT AREAS WHERE TWO LANES ARE NOT FEASIBLE, A FLAGGER AT BOTH ENDS SHOULD BE USED TO DIRECT ONE LANE OF TRAFFIC.
13. CONSTRUCT THE EASTBOUND LANES OF SR 15 FROM STA. 625+00 TO STA. 649+00, STA. 675+00 TO STA. 715+00 AND FROM STA. 743+00 TO STA. 752+00.

BIRDEL F. JACKSON III
STATE OF TENNESSEE
14
2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I

B.O.P. TO 451+00
SCALE: 1" = 50'

8/16/2014
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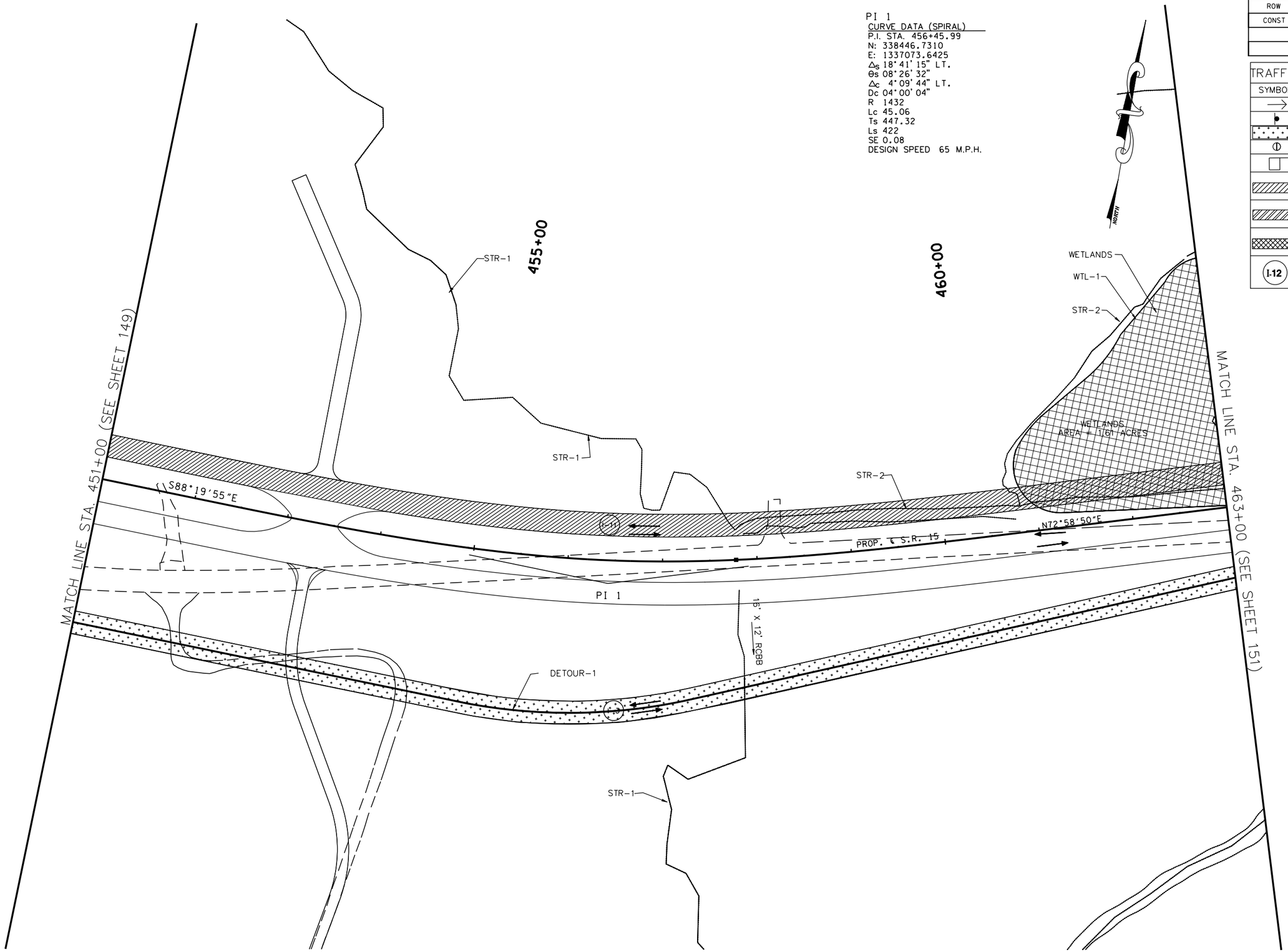
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	181
CONST	2014	36001-3290-14	

PI 1
CURVE DATA (SPIRAL)
P.I. STA. 456+45.99
N: 338446.7310
E: 1337073.6425
Δ_s 18° 41' 15" LT.
θ_s 08° 26' 32"
Δ_c 4° 09' 44" LT.
Dc 04° 00' 04"
R 1432
Lc 45.06
Ts 447.32
Ls 422
SE 0.08
DESIGN SPEED 65 M.P.H.



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I

STA. 451+00 TO 463+00
SCALE: 1" = 50'

8/6/2014
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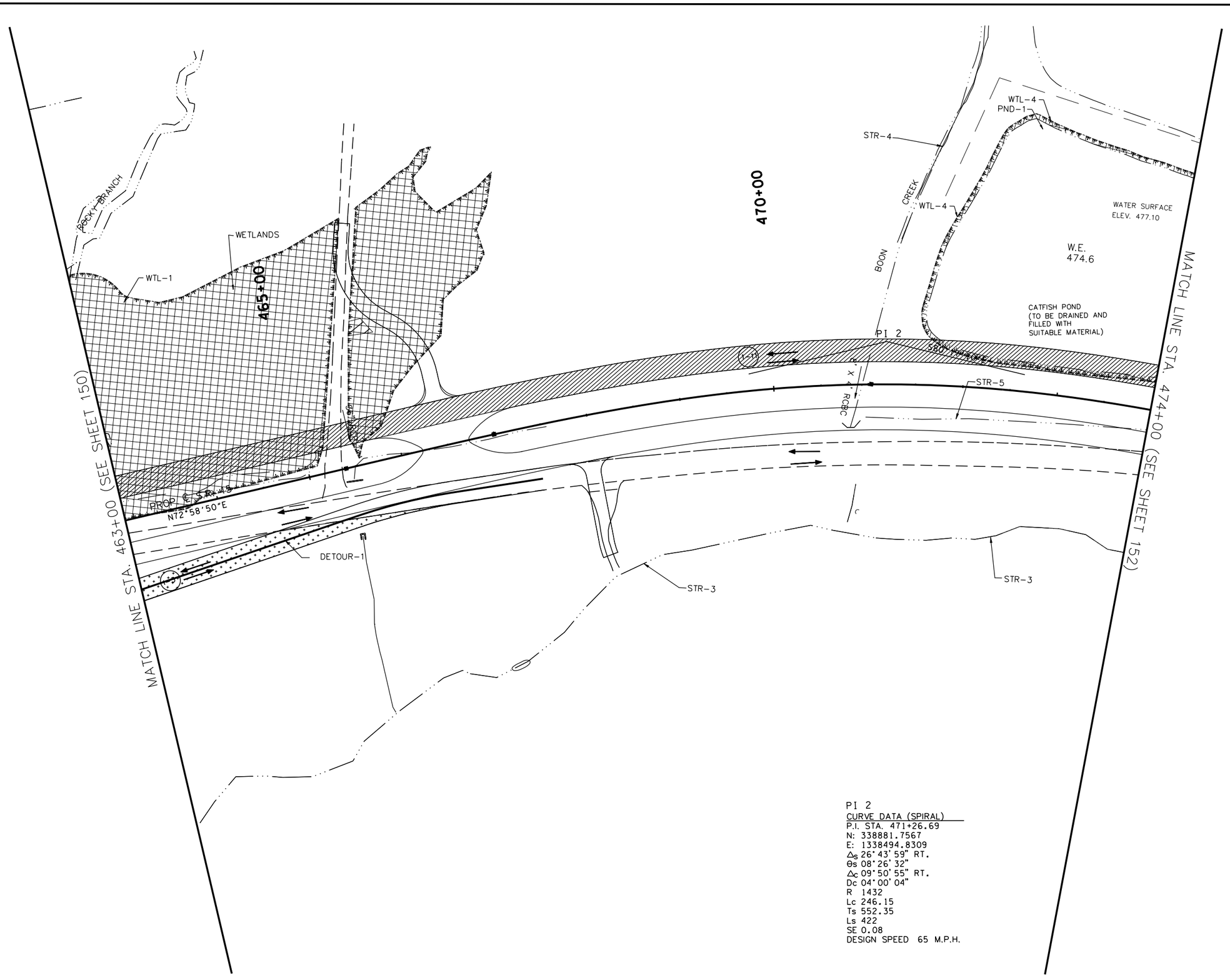
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	182
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

NORTH

PI 2
CURVE DATA (SPIRAL)
P.I. STA. 471+26.69
N: 338881.7567
E: 1338494.8309
Δ_s 26°43'59" RT.
θ_s 08°26'32"
Δ_c 09°50'55" RT.
Dc 04°00'04"
R 1432
Lc 246.15
Ts 552.35
Ls 422
SE 0.08
DESIGN SPEED 65 M.P.H.

BIRDIE F. JACKSON III
STATE OF TENNESSEE
2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION PHASING
PHASE I
STA. 463+00 TO 474+00
SCALE: 1" = 50'

8/16/2014
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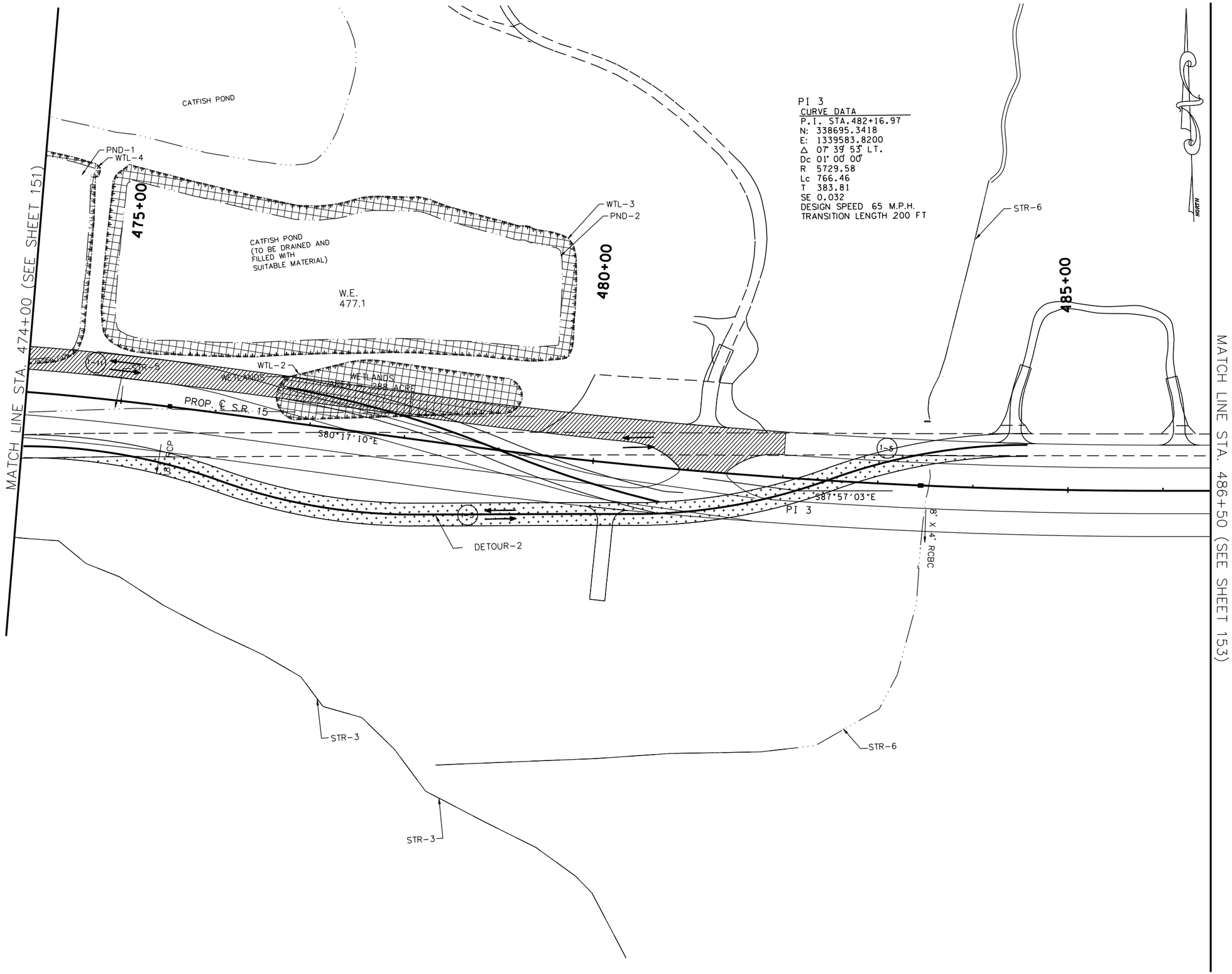
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	183
CONST	2014	36001-3290-14	



PI 3
CURVE DATA
P.I. STA.482+16.97
N: 338695.3418
E: 1339583.8200
Δ 07° 39' 53" LT.
Dc 01° 00' 00"
R 5729.58
Lc 766.46
T 383.81
SE 0.032
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I

STA. 474+00 TO 486+50
SCALE: 1" = 50'

8/16/2014
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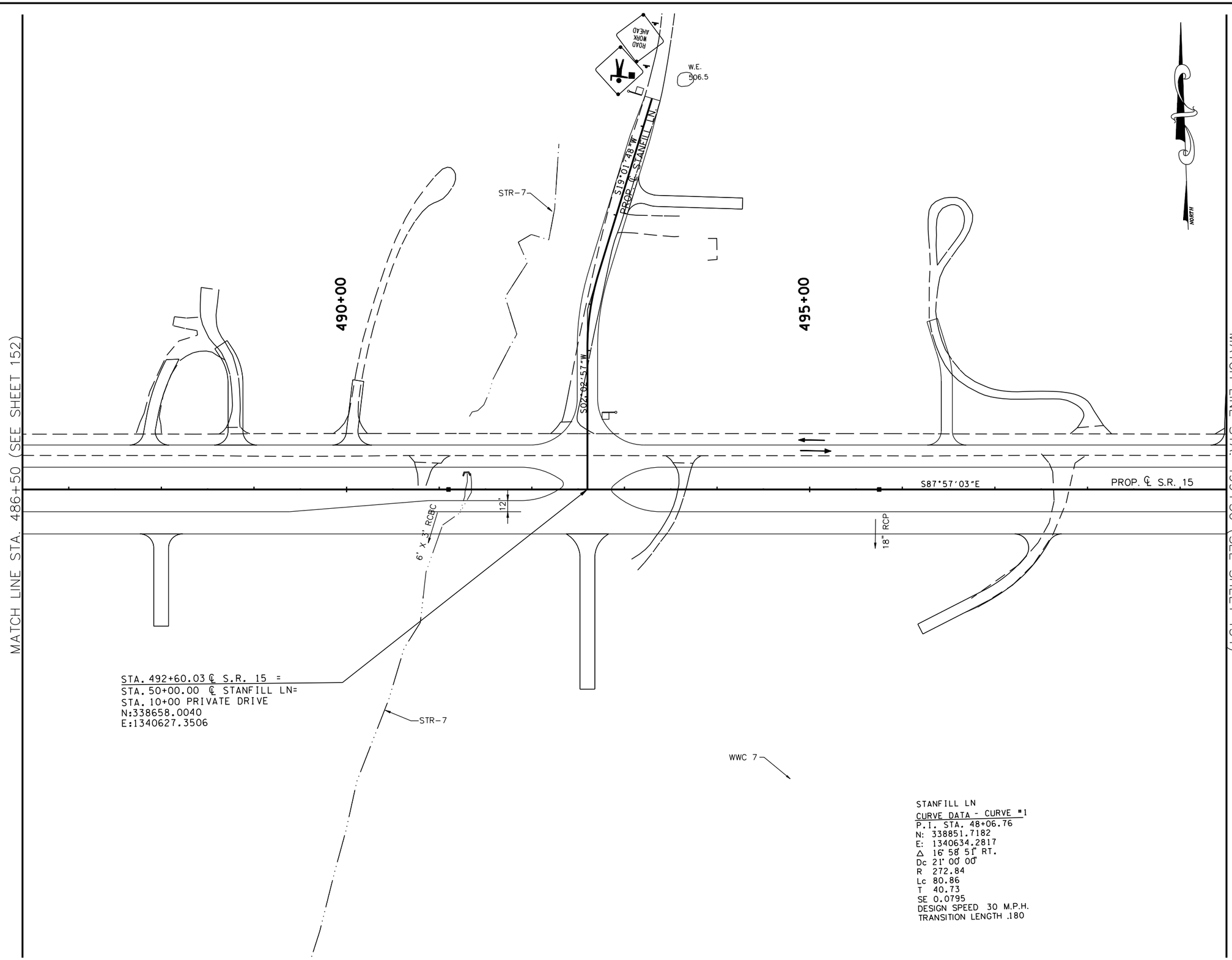
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	184
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



STANFILL LN
CURVE DATA - CURVE #1
P.I. STA. 48+06.76
N: 338851.7182
E: 1340634.2817
Δ 16° 58' 51" RT.
Dc 21° 00' 00"
R 272.84
Lc 80.86
T 40.73
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .180

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I

STA. 486+50 TO 499+50
SCALE: 1" = 50'

8/16/2014
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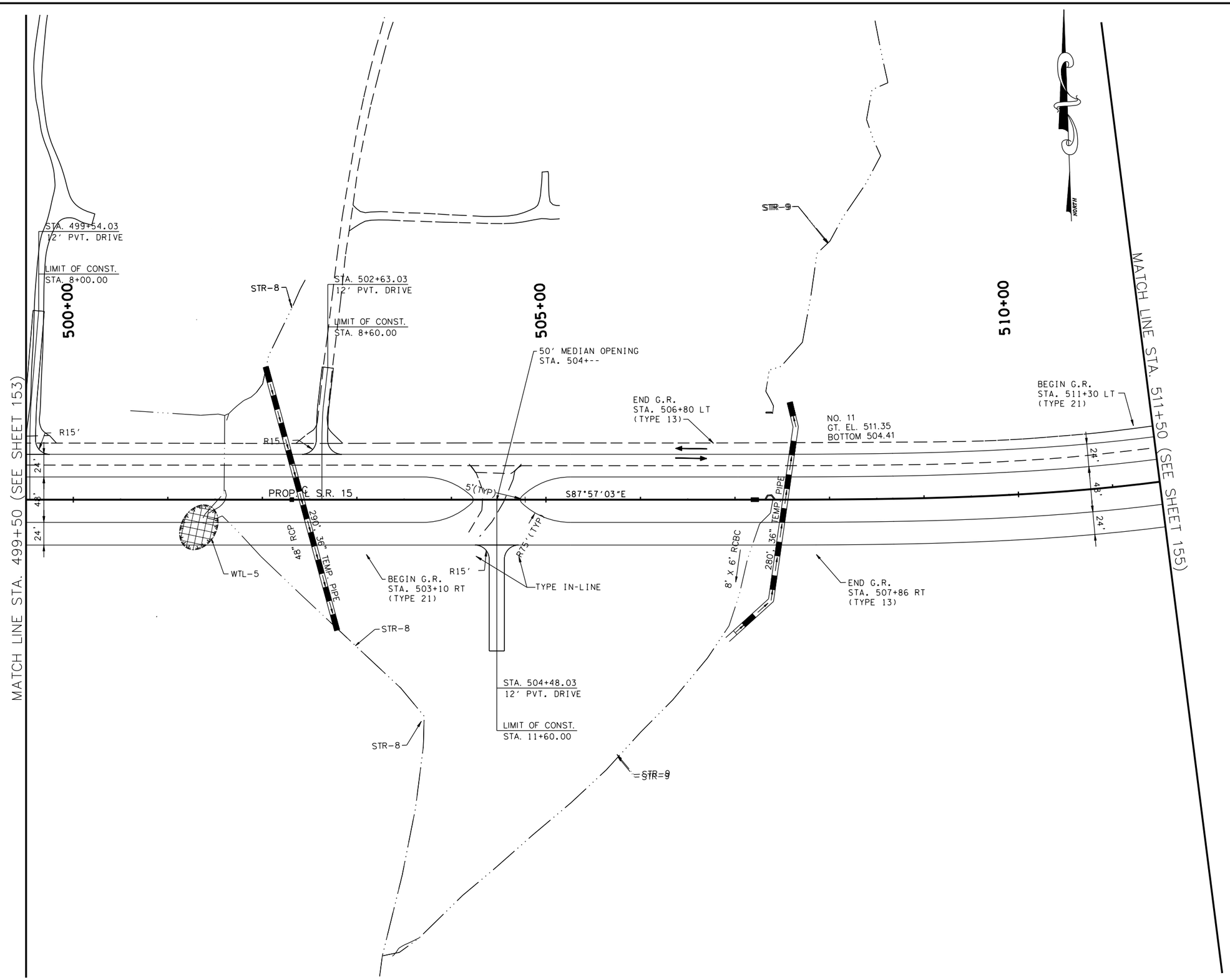
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	185
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

BRIDGE F. JACKSON
STATE OF TENNESSEE
8/16/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I

STA. 499+50 TO 511+50
SCALE: 1" = 50'

8/16/2014
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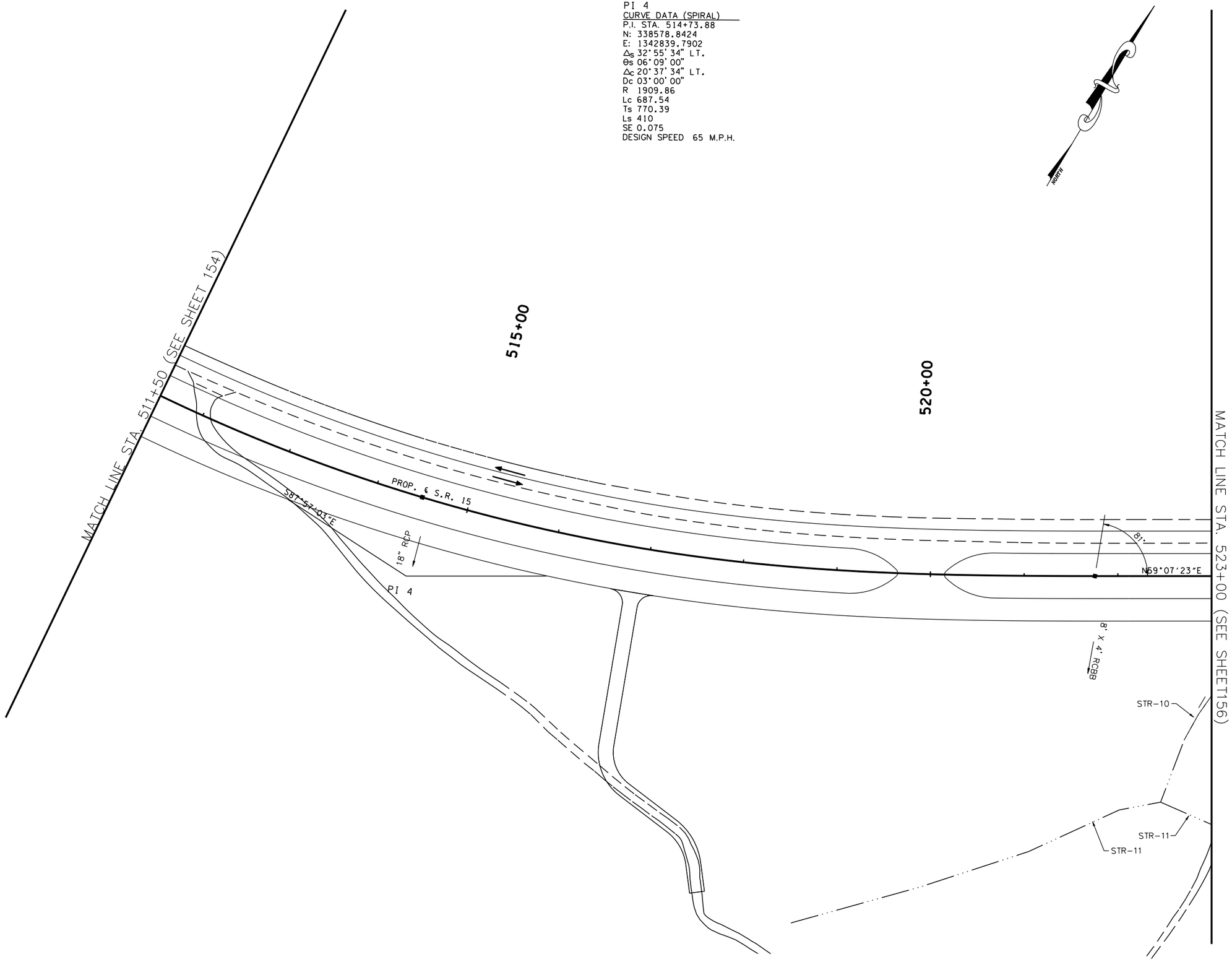
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	186
CONST	2014	36001-3290-14	

PI 4
CURVE DATA (SPIRAL)
P.I. STA. 514+73.88
N: 338578.8424
E: 1342839.7902
Δ_s 32°55'34" LT.
θ_s 06°09'00"
Δ_c 20°37'34" LT.
Dc 03°00'00"
R 1909.86
Lc 687.54
Ts 770.39
Ls 410
SE 0.075
DESIGN SPEED 65 M.P.H.



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I

STA. 511+50 + 523+00
SCALE: 1" = 50'

8/16/2014
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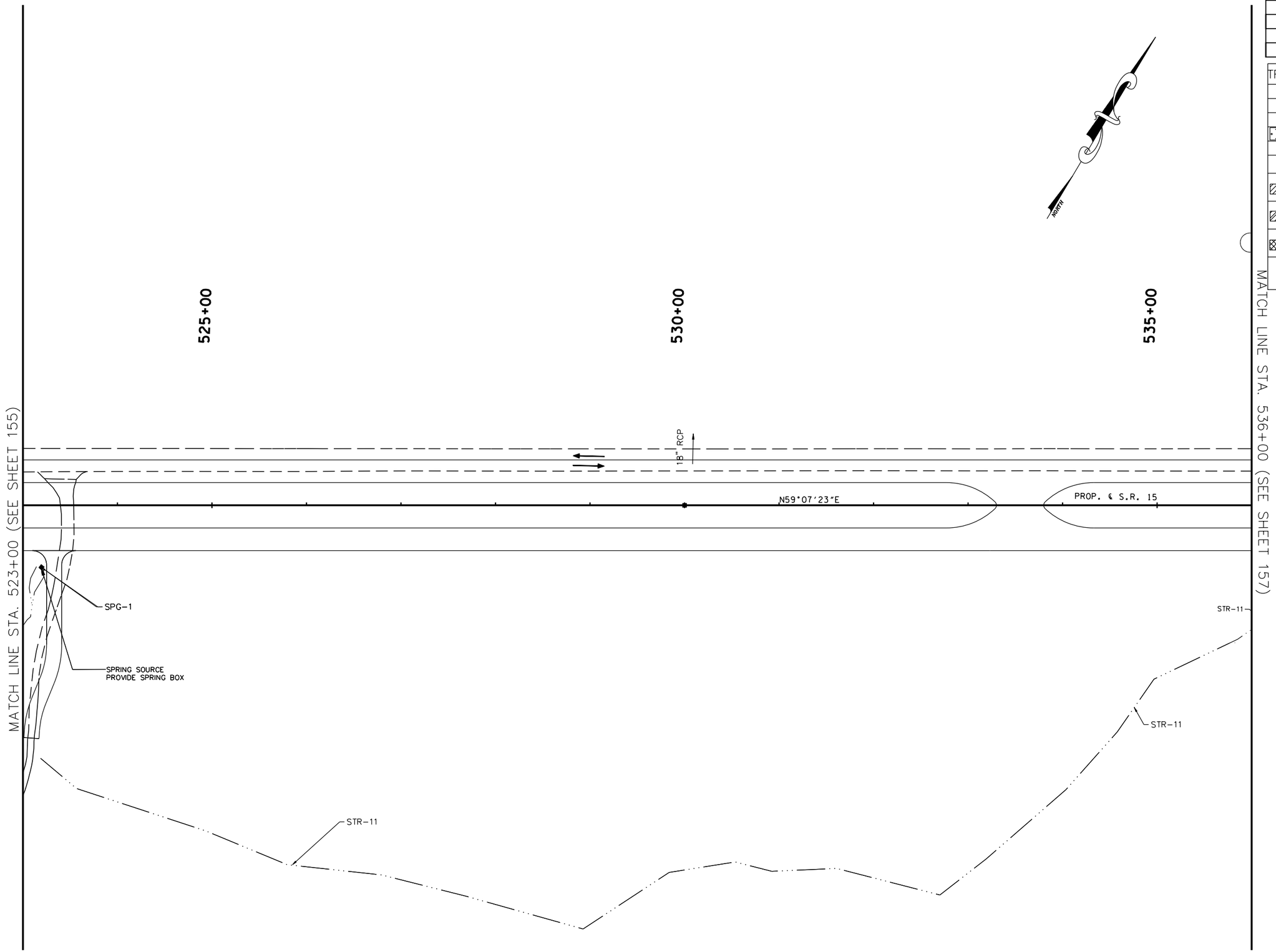
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	187
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



COORDINATE VALUES ARE NAD/B3(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I

STA. 523+00 TO 536+00
SCALE: 1" = 50'

8/16/2014
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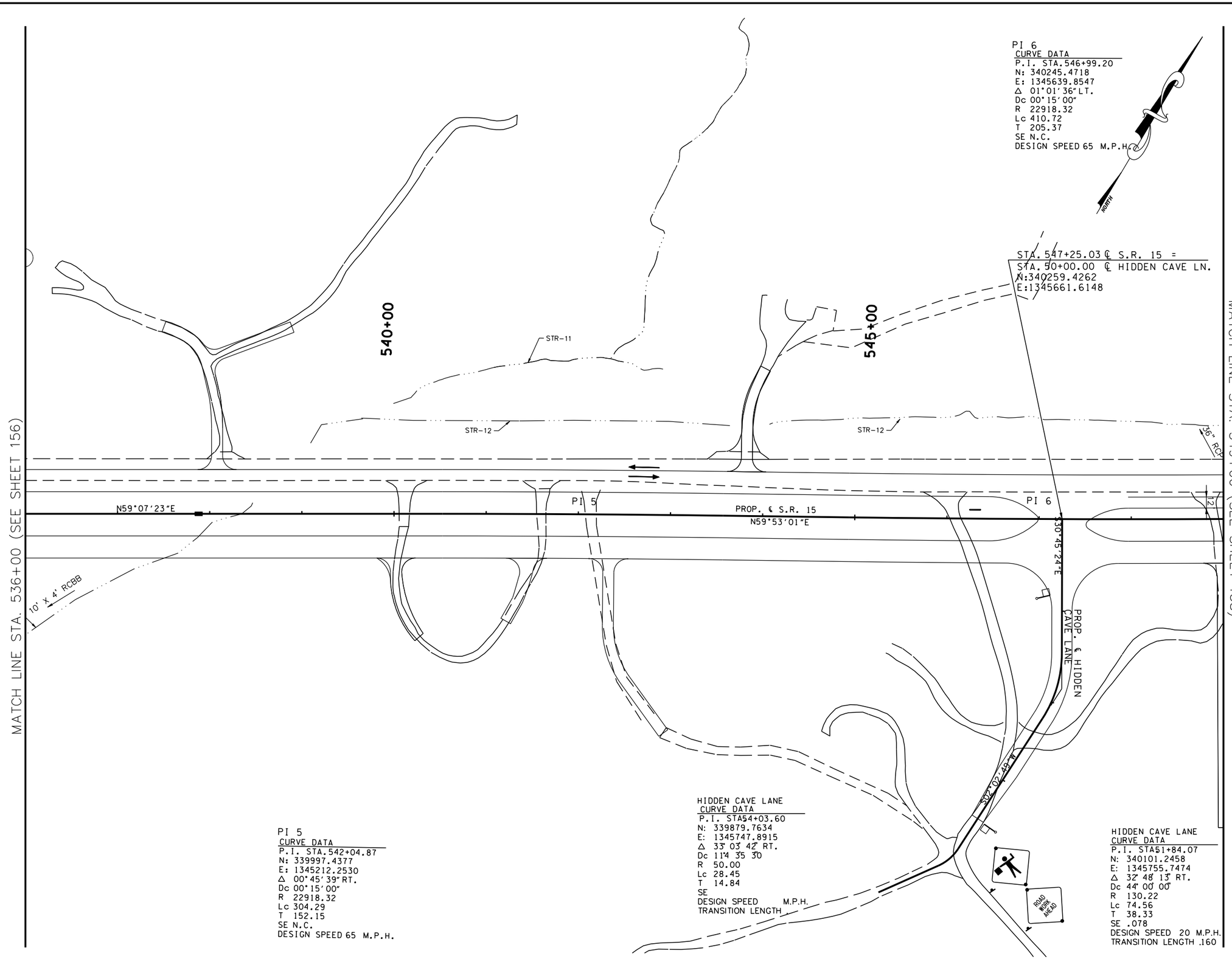
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	188
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



PI 6
CURVE DATA
P.I. STA.546+99.20
N: 340245.4718
E: 1345639.8547
Δ 01°01'36" LT.
Dc 00°15'00"
R 22918.32
Lc 410.72
T 205.37
SE N.C.
DESIGN SPEED 65 M.P.H.

STA. 547+25.03 ℄ S.R. 15 =
STA. 50+00.00 ℄ HIDDEN CAVE LN.
N:340259.4262
E:1345661.6148

PI 5
CURVE DATA
P.I. STA.542+04.87
N: 339997.4377
E: 1345212.2530
Δ 00°45'39" RT.
Dc 00°15'00"
R 22918.32
Lc 304.29
T 152.15
SE N.C.
DESIGN SPEED 65 M.P.H.

HIDDEN CAVE LANE
CURVE DATA
P.I. STA54+03.60
N: 339879.7634
E: 1345747.8915
Δ 33° 03' 42" RT.
Dc 114° 35' 30"
R 50.00
Lc 28.45
T 14.84
SE
DESIGN SPEED M.P.H.
TRANSITION LENGTH

HIDDEN CAVE LANE
CURVE DATA
P.I. STA51+84.07
N: 340101.2458
E: 1345755.7474
Δ 32° 48' 13" RT.
Dc 44° 00' 00"
R 130.22
Lc 74.56
T 38.33
SE .078
DESIGN SPEED 20 M.P.H.
TRANSITION LENGTH .160

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE 1

STA. 536+00 TO 549+00
SCALE: 1" = 50'

8/16/2014
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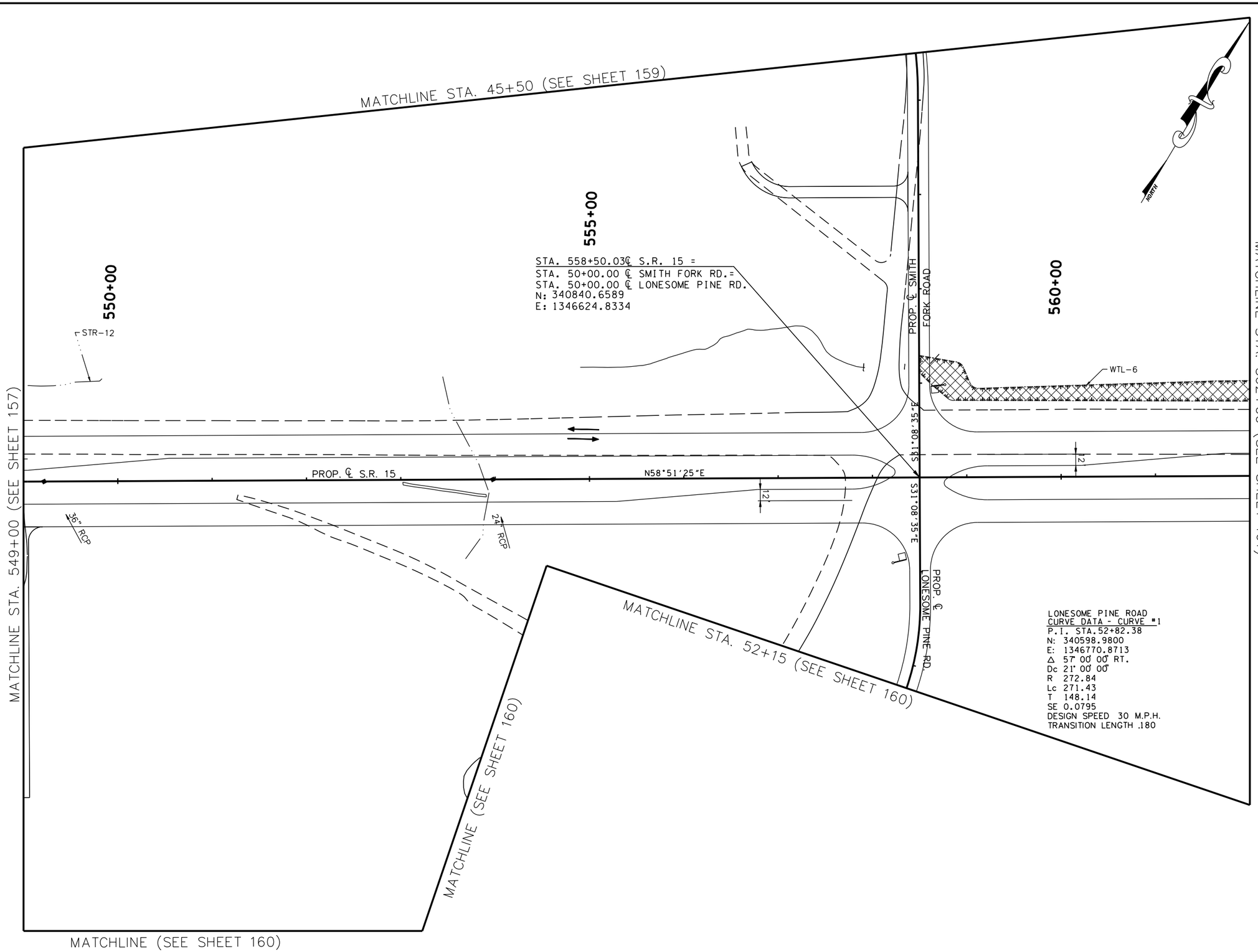
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	189
CONST	2014	36001-3290-14	



LONESOME PINE ROAD
CURVE DATA - CURVE #1
P.I. STA.52+82.38
N: 340598.9800
E: 1346770.8713
Δ 57° 00' 00" RT.
Dc 21° 00' 00"
R 272.84
Lc 271.43
T 148.14
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .180

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I

STA. 549+00 TO 562+00
SCALE: 1" = 50'

8/16/2014
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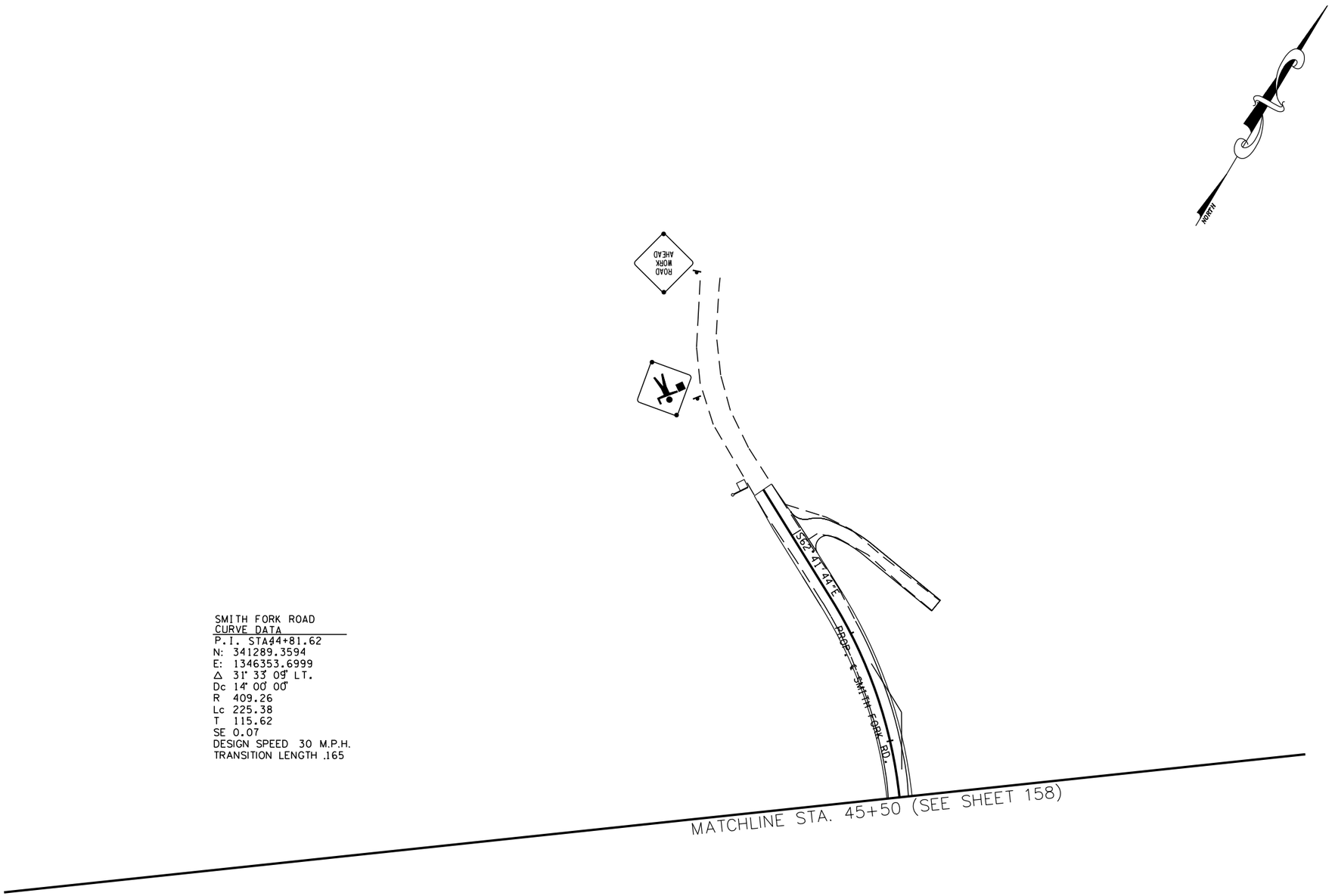
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	190
CONST	2014	36001-3290-14	



SMITH FORK ROAD
CURVE DATA
P.I. STA44+81.62
N: 341289.3594
E: 1346353.6999
Δ 31° 33' 09" LT.
Dc 14° 00' 00"
R 409.26
Lc 225.38
T 115.62
SE 0.07
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .165

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I

SMITH FORK ROAD
SCALE: 1" = 50'

8/6/2014
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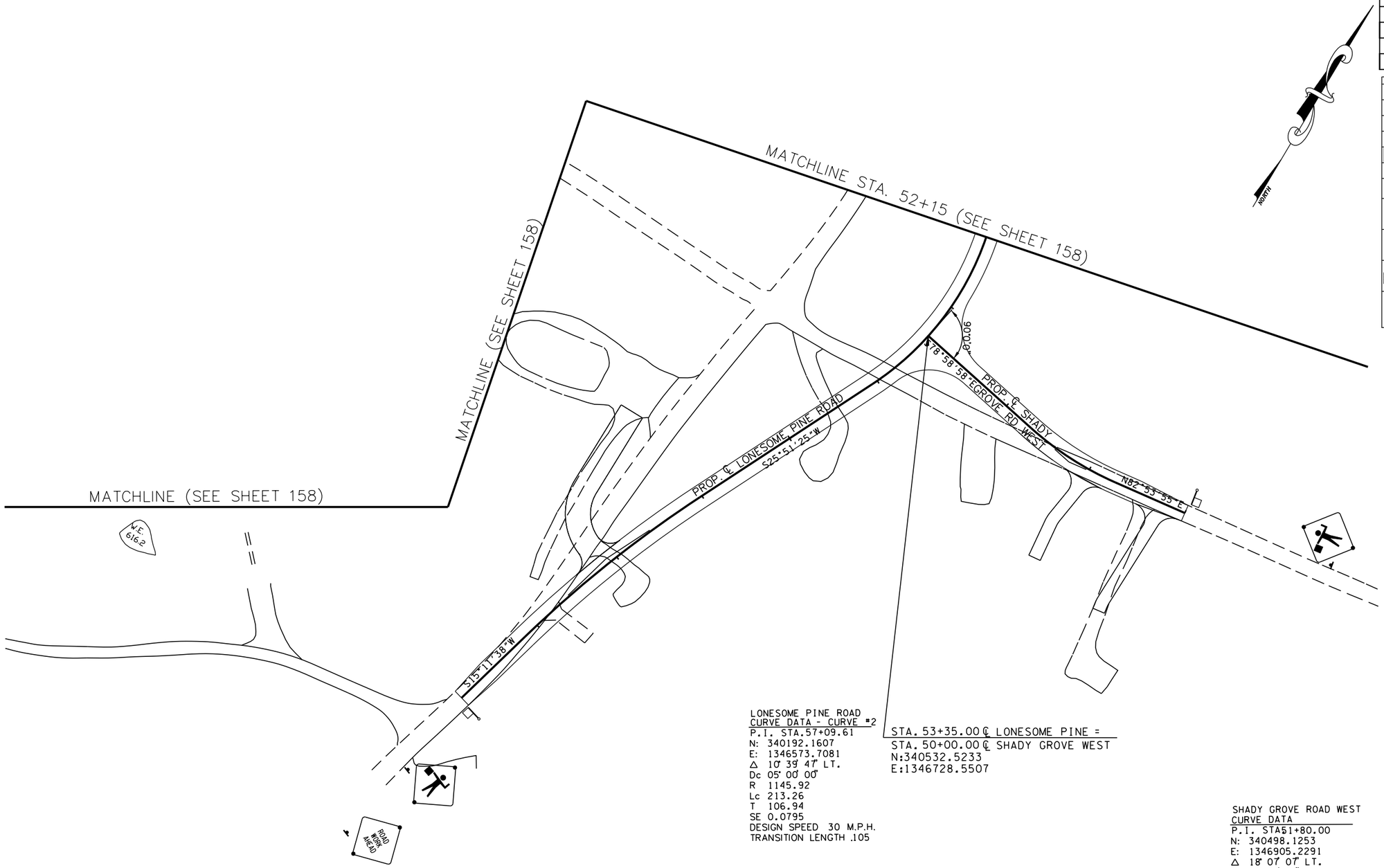
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	191
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



LONESOME PINE ROAD
CURVE DATA - CURVE #2
P.I. STA.57+09.61
N: 340192.1607
E: 1346573.7081
Δ 10° 39' 47" LT.
Dc 05° 00' 00"
R 1145.92
Lc 213.26
T 106.94
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .105

STA. 53+35.00 ℄ LONESOME PINE =
STA. 50+00.00 ℄ SHADY GROVE WEST
N:340532.5233
E:1346728.5507

SHADY GROVE ROAD WEST
CURVE DATA
P.I. STA51+80.00
N: 340498.1253
E: 1346905.2291
Δ 18° 07' 07" LT.
Dc 19° 00' 00"
R 301.56
Lc 95.36
T 48.08
SE .05
DESIGN SPEED 20 M.P.H
TRANSITION LENGTH .120

BRIDGET T. JACKSON
STATE OF TENNESSEE
8/16/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONST. PHASING
PHASE I
LONESOME PINE ROAD
AND
SHADY GROVE ROAD WEST
SCALE: 1" = 50'

8/16/2014
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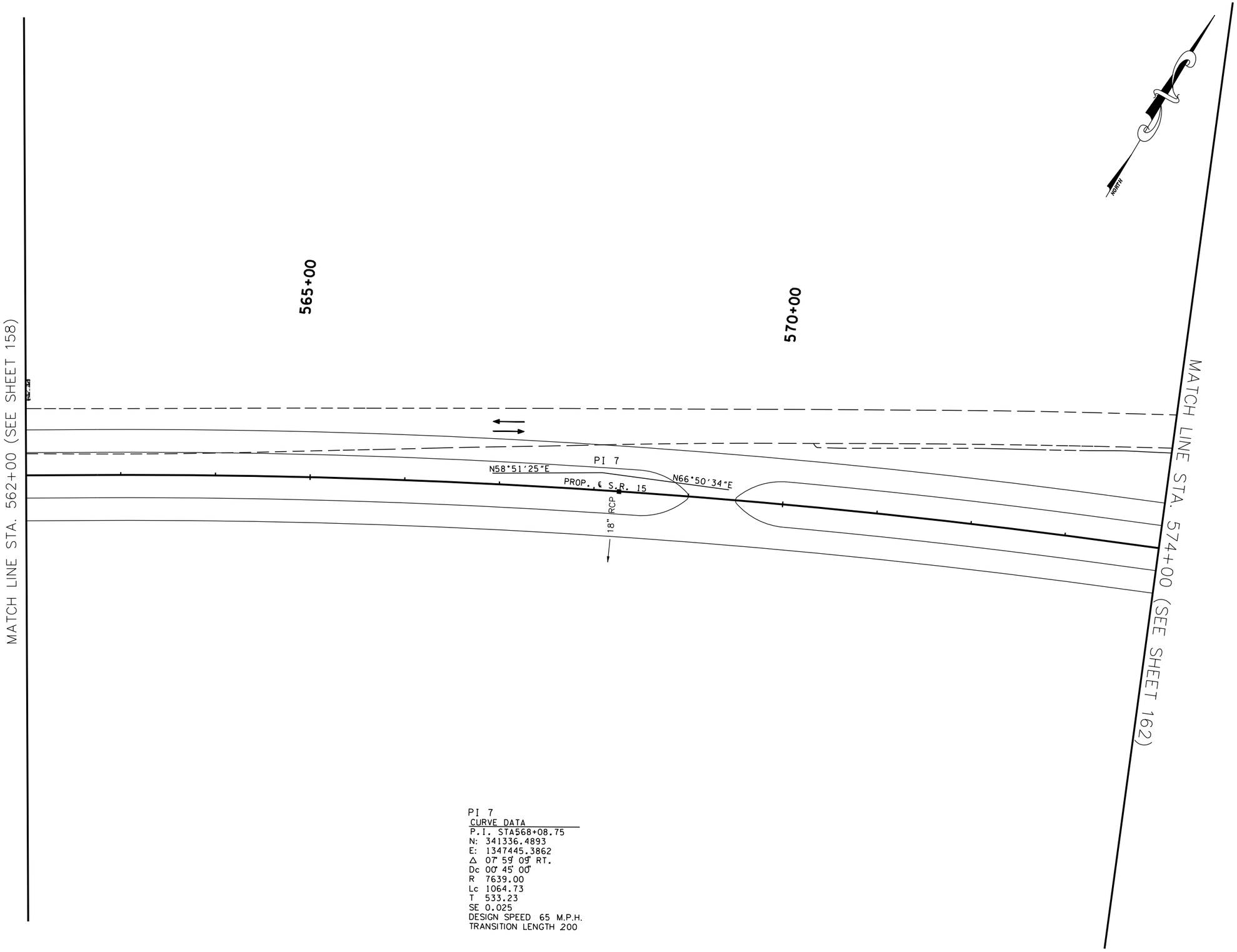
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	192
CONST	2014	36001-3290-14	



PI 7
CURVE DATA
P.I. STA568+08.75
N: 341336.4893
E: 1347445.3862
Δ 07° 59' 09" RT.
Dc 00° 45' 00"
R 7639.00
Lc 1064.73
T 533.23
SE 0.025
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I
STA. 562+00 TO 574+00
SCALE: 1" = 50'

8/16/2014
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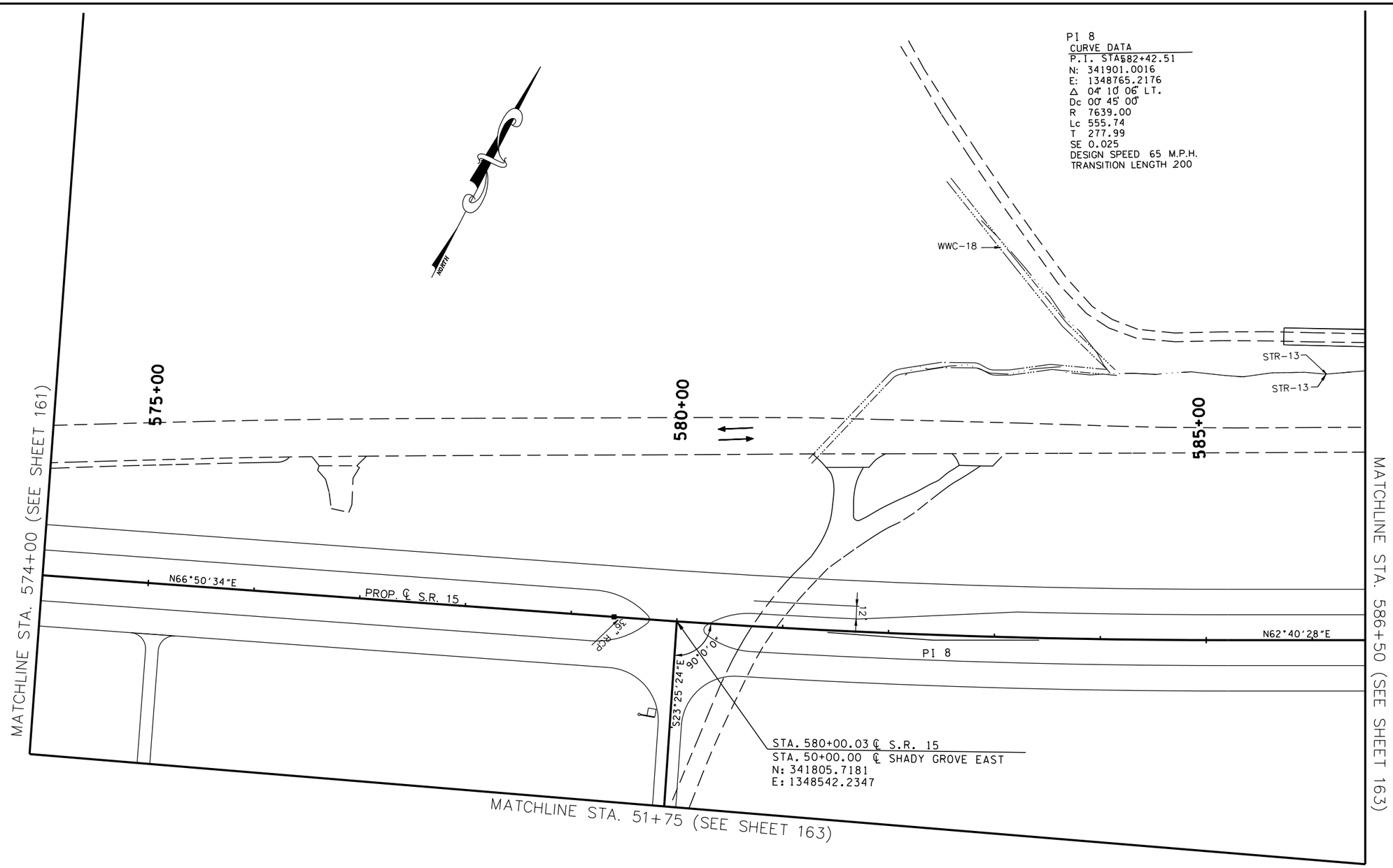
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	193
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

BRIDGE F. JACKSON III
ARCHITECT
STATE OF TENNESSEE
8/16/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I

STA. 574+00 TO 586+50
SCALE: 1" = 50'

8/16/2014
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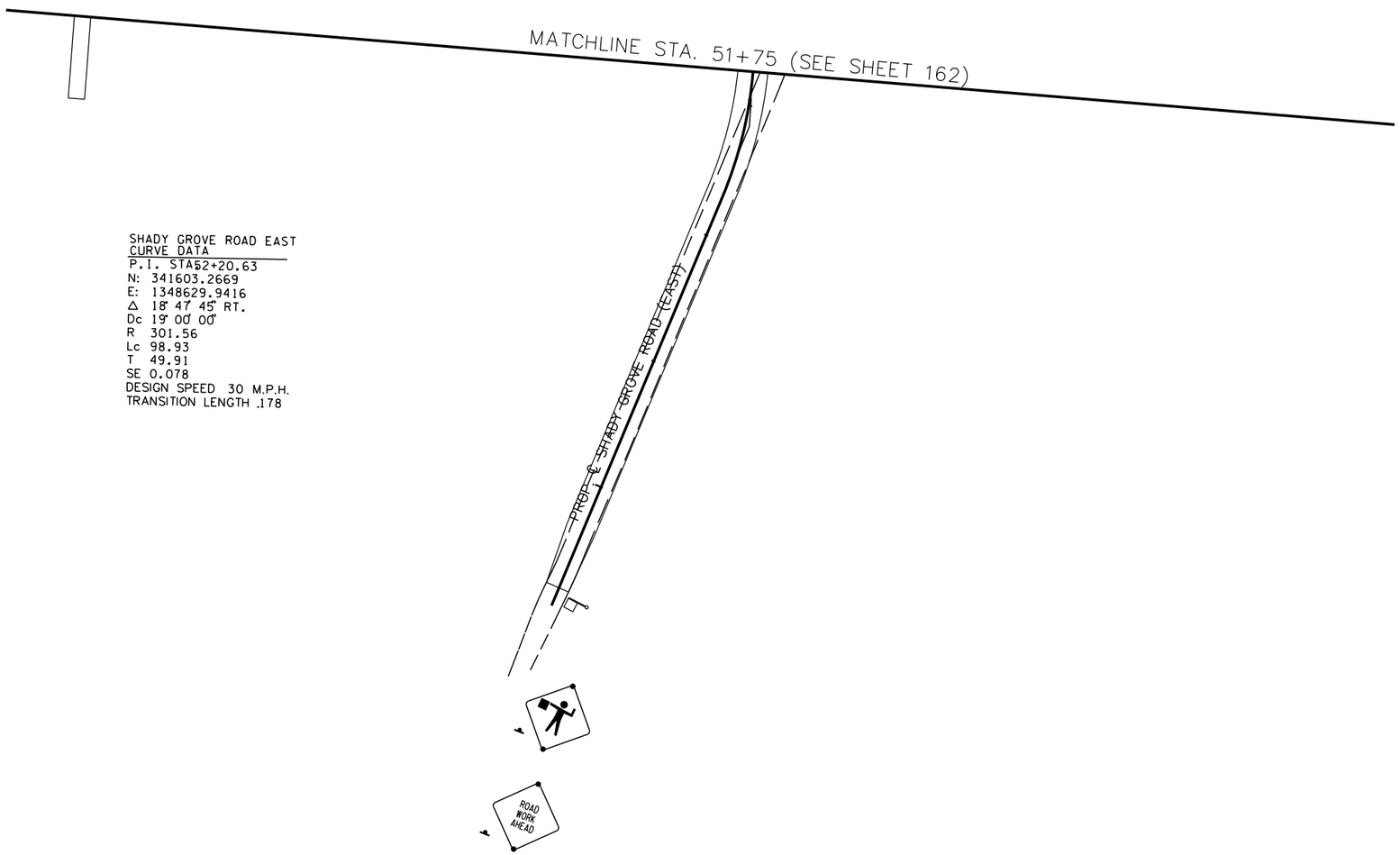
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	194
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



SHADY GROVE ROAD EAST
CURVE DATA

P.I. STA 52+20.63
N: 341603.2669
E: 1348629.9416
Δ 18° 47' 45" RT.
Dc 19° 00' 00"
R 301.56
Lc 98.93
T 49.91
SE 0.078
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .178

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I

SHADY GROVE ROAD EAST
SCALE: 1" = 50'

8/16/2014
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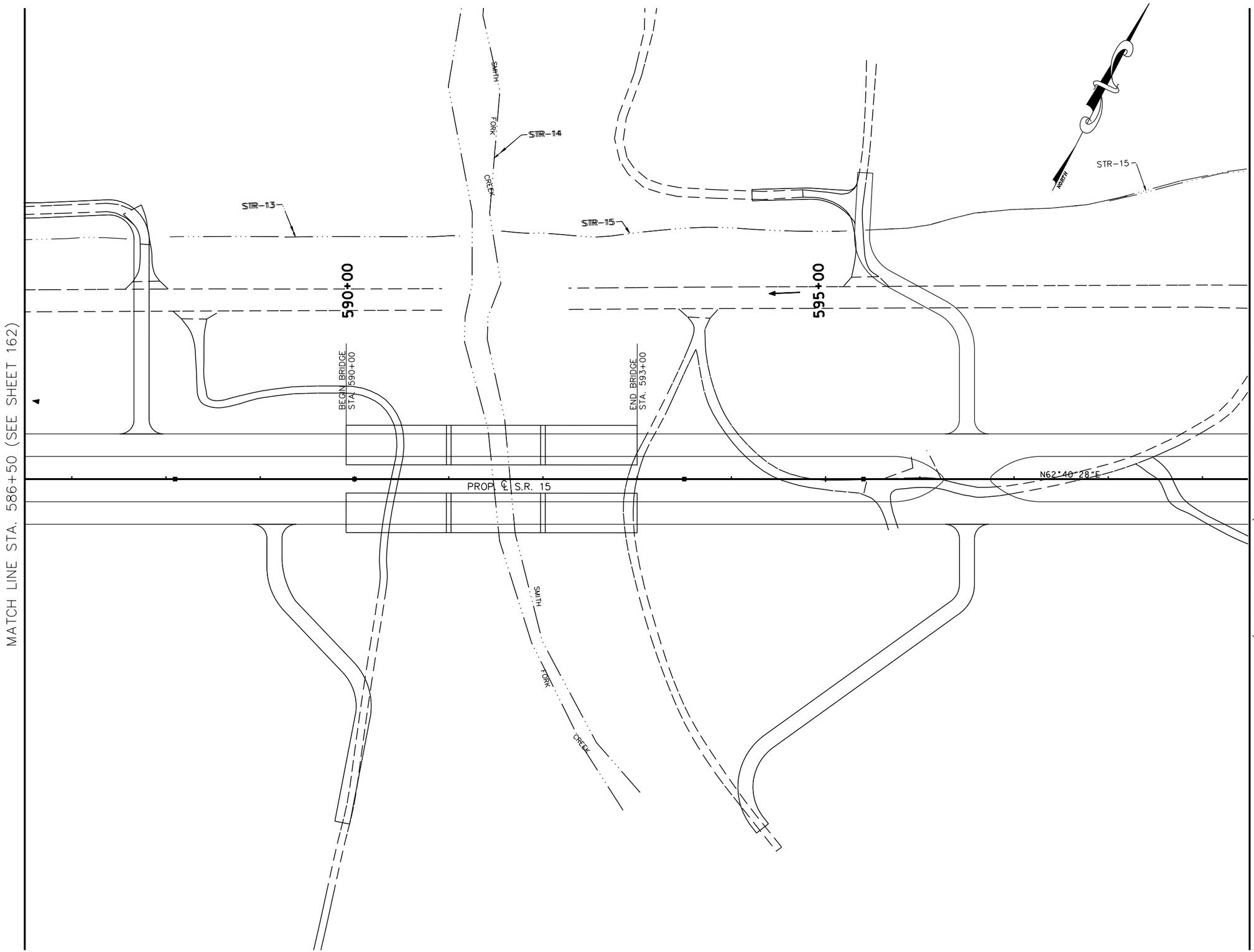
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	195
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I
STA. 586+50 TO 599+50
SCALE: 1" = 50'

8/16/2014
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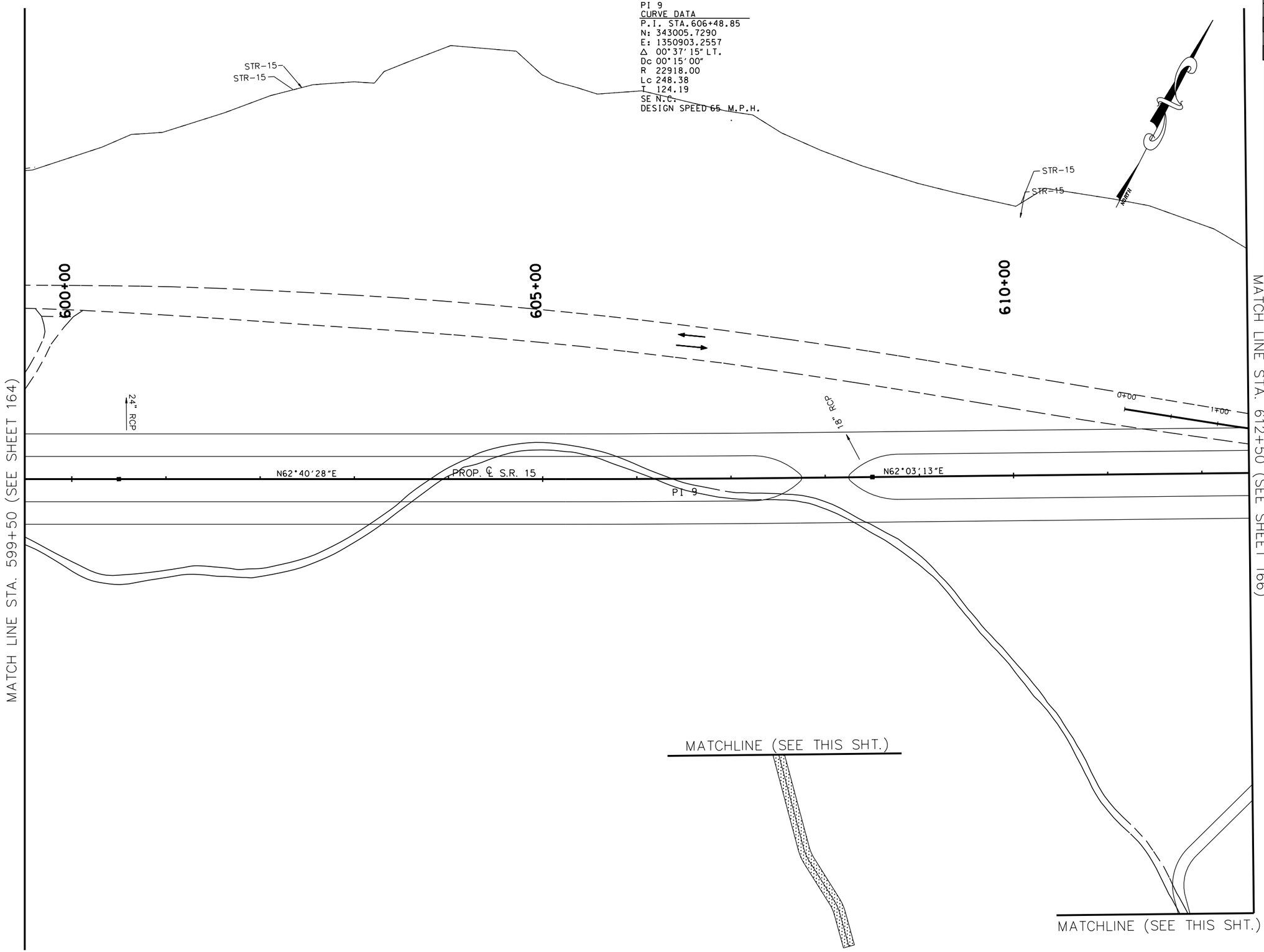
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	196
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I
STA. 599+50 TO 612+50
SCALE: 1" = 50'

8/16/2014
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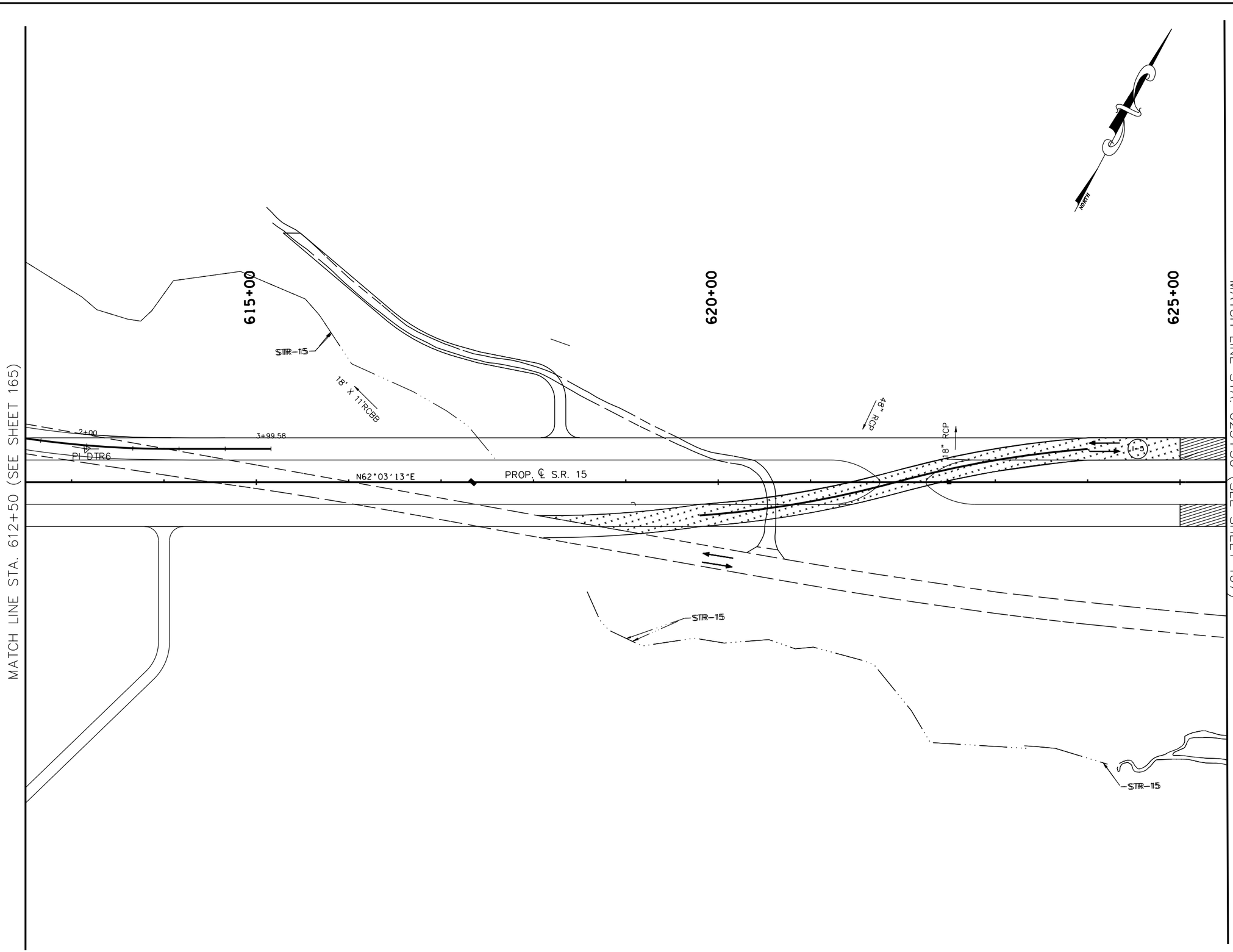
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	197
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/B3(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I
STA. 612+50 TO 625+50
SCALE: 1" = 50'

8/16/2014
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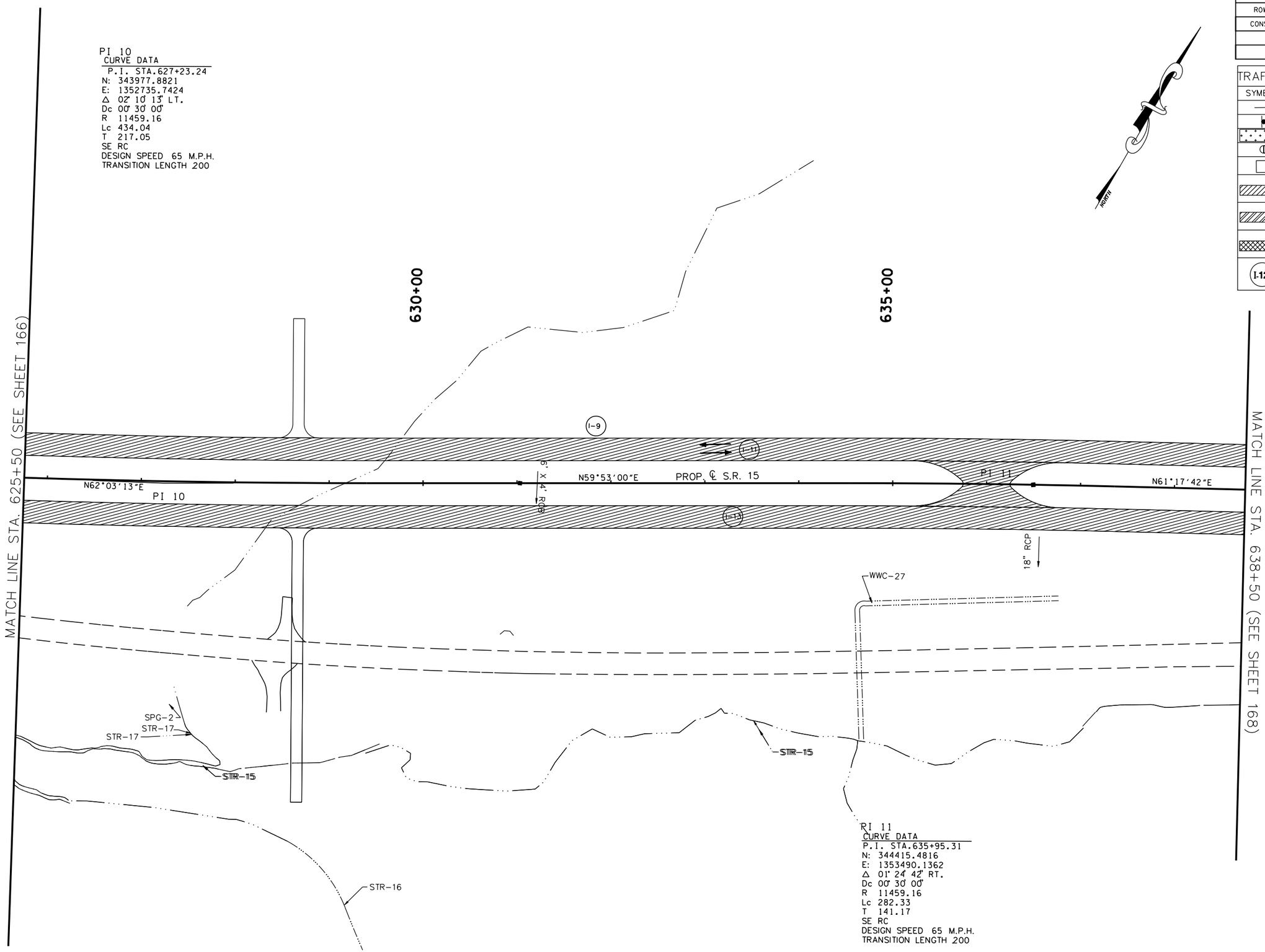
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	198
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I
STA. 625+50 TO 638+50
SCALE: 1" = 50'

8/16/2014
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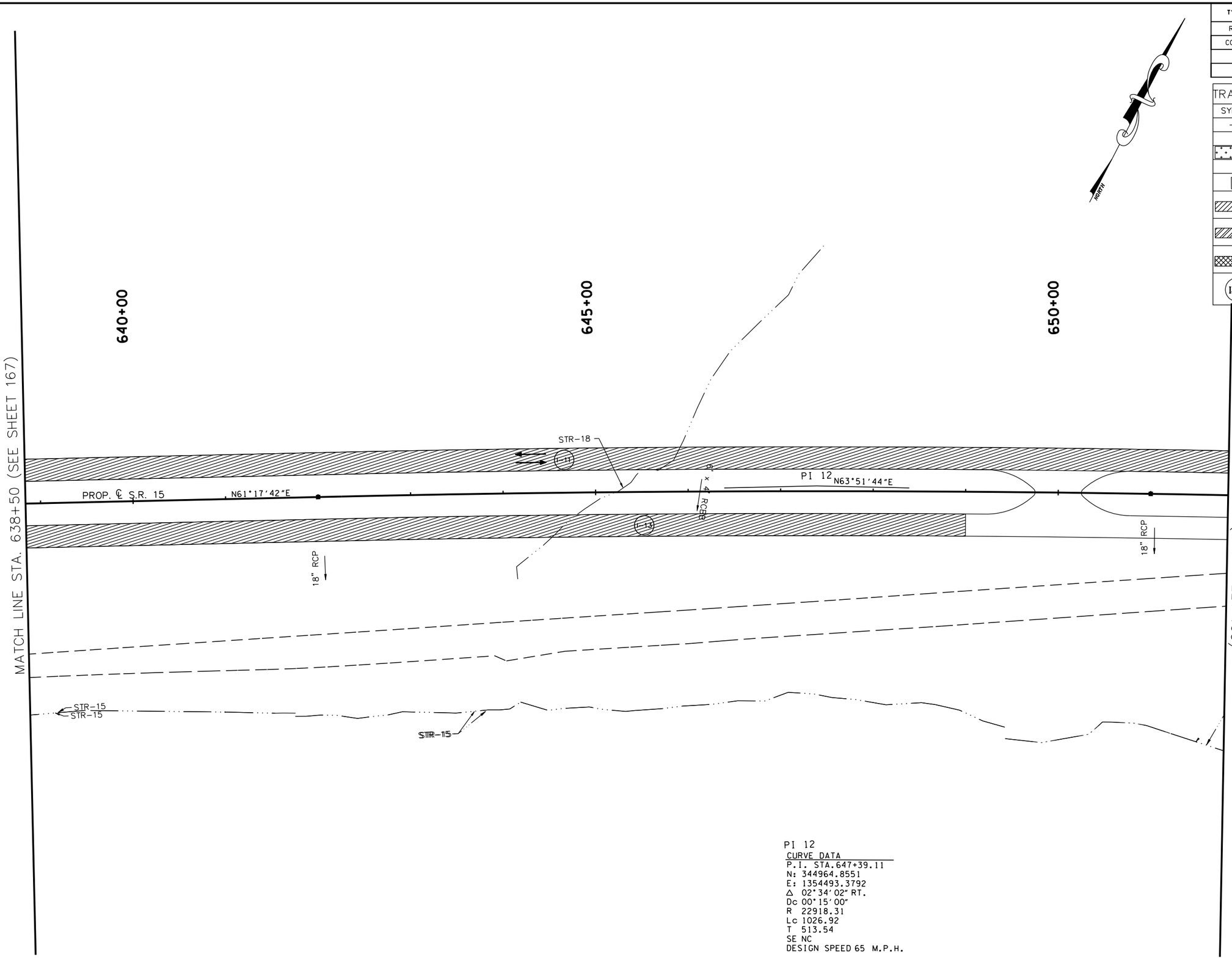
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	199
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



PI 12
CURVE DATA
P.I. STA.647+39.11
N: 344964.8551
E: 1354493.3792
Δ 02°34'02" RT.
Dc 00°15'00"
R 22918.31
Lc 1026.92
T 513.54
SE NC
DESIGN SPEED 65 M.P.H.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I
STA. 638+50 TO 651+50
SCALE: 1" = 50'

8/16/2014
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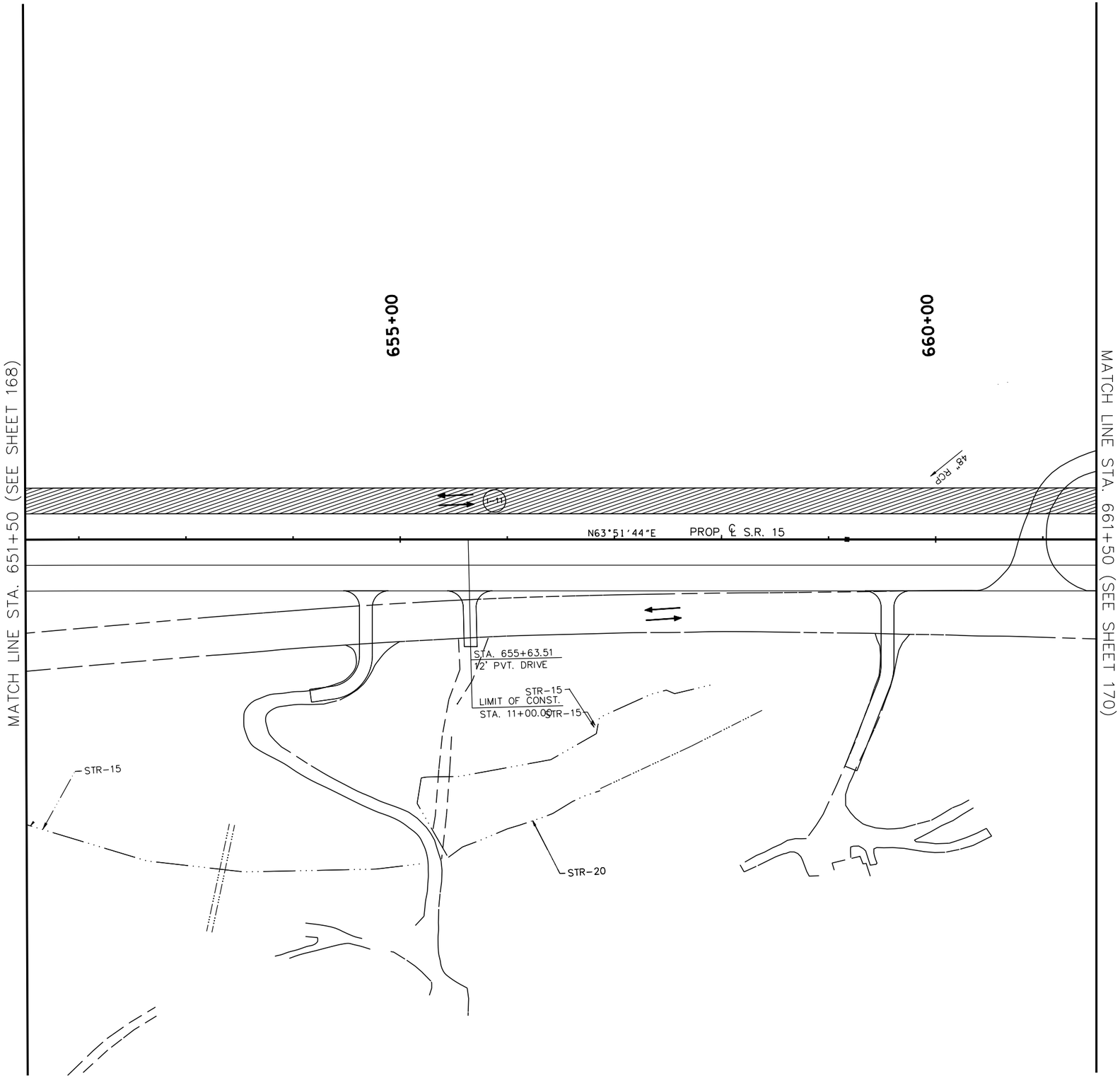
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	200
CONST	2014	36001-3290-14	



NORTH

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

BRUCE F. JACKSON III
STATE OF TENNESSEE
8/6/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I

STA. 651+50 TO 661+50
SCALE: 1" = 50'

8/6/2014
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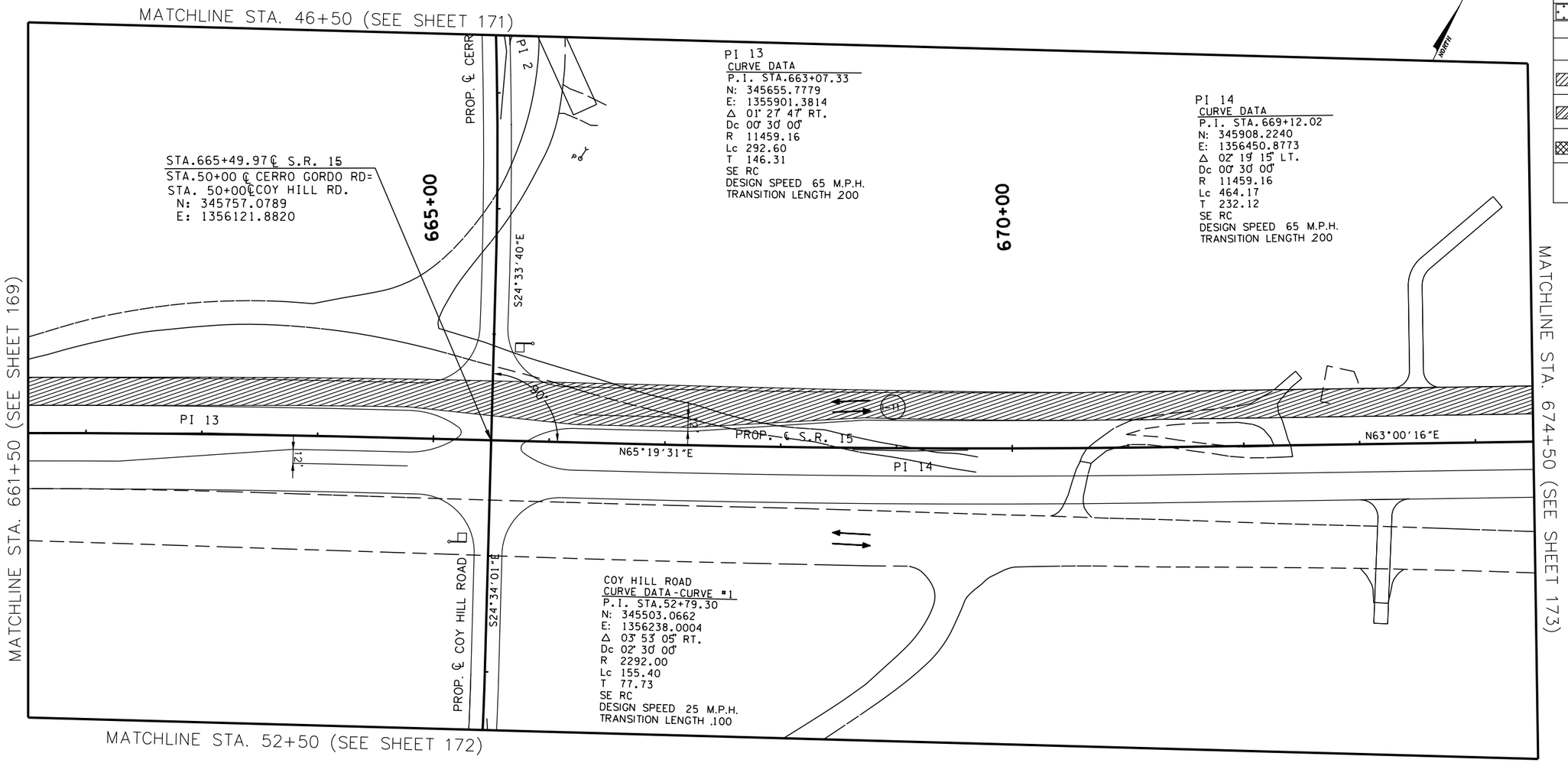
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	201
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I

STA. 661+50 TO 674+50
SCALE: 1" = 50'

8/16/2014
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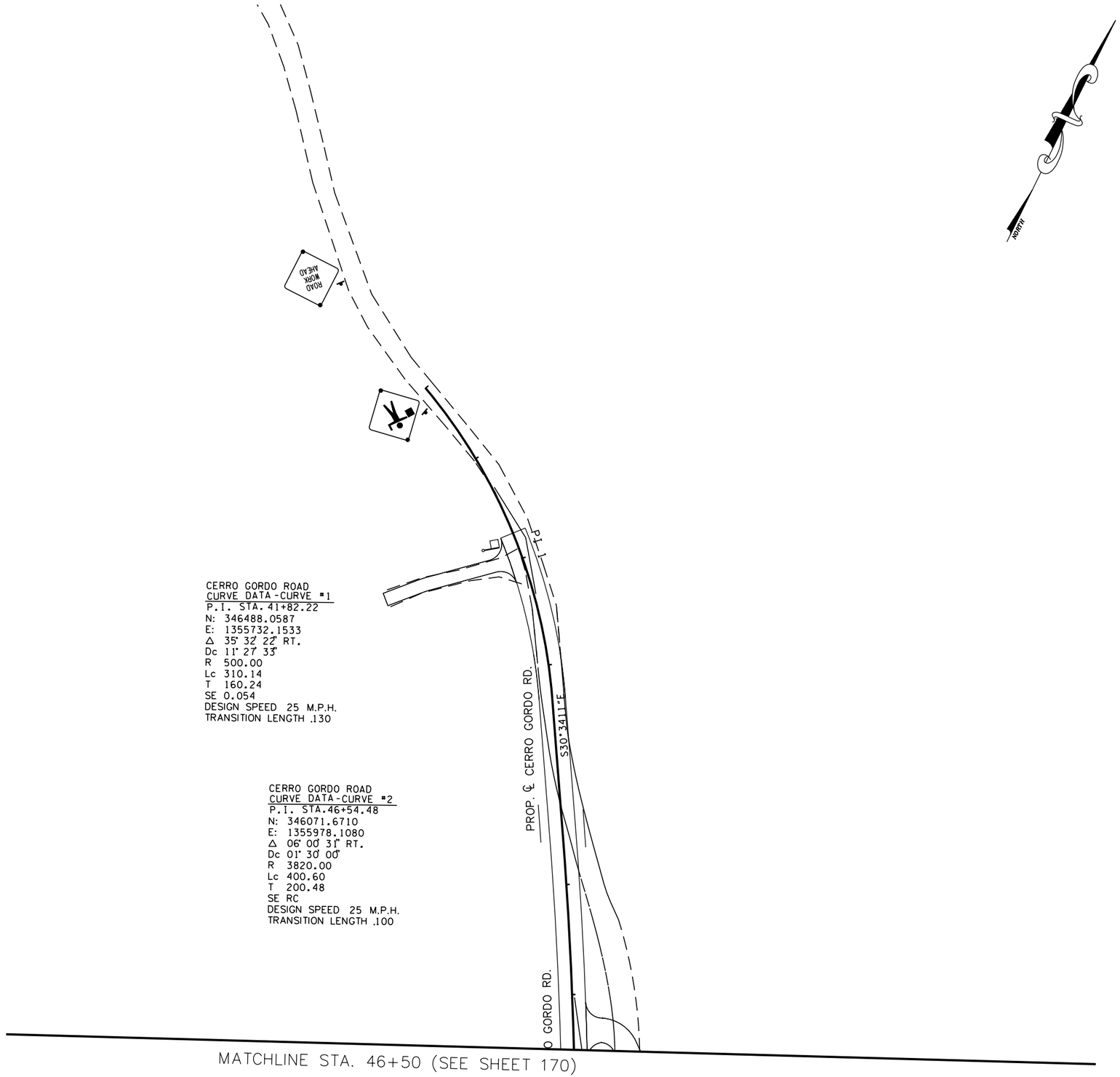
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	202
CONST	2014	36001-3290-14	



CERRO GORDO ROAD
CURVE DATA-CURVE #1
P.I. STA. 41+82.22
N: 346488.0587
E: 1355732.1533
Δ 35° 32' 22" RT.
Dc 11° 27' 33"
R 500.00
Lc 310.14
T 160.24
SE 0.054
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH .130

CERRO GORDO ROAD
CURVE DATA-CURVE #2
P.I. STA.46+54.48
N: 346071.6710
E: 1355978.1080
Δ 06° 00' 31" RT.
Dc 01° 30' 00"
R 3820.00
Lc 400.60
T 200.48
SE RC
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH .100

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I
CERRO GORDO ROAD
SCALE: 1" = 50'

8/16/2014
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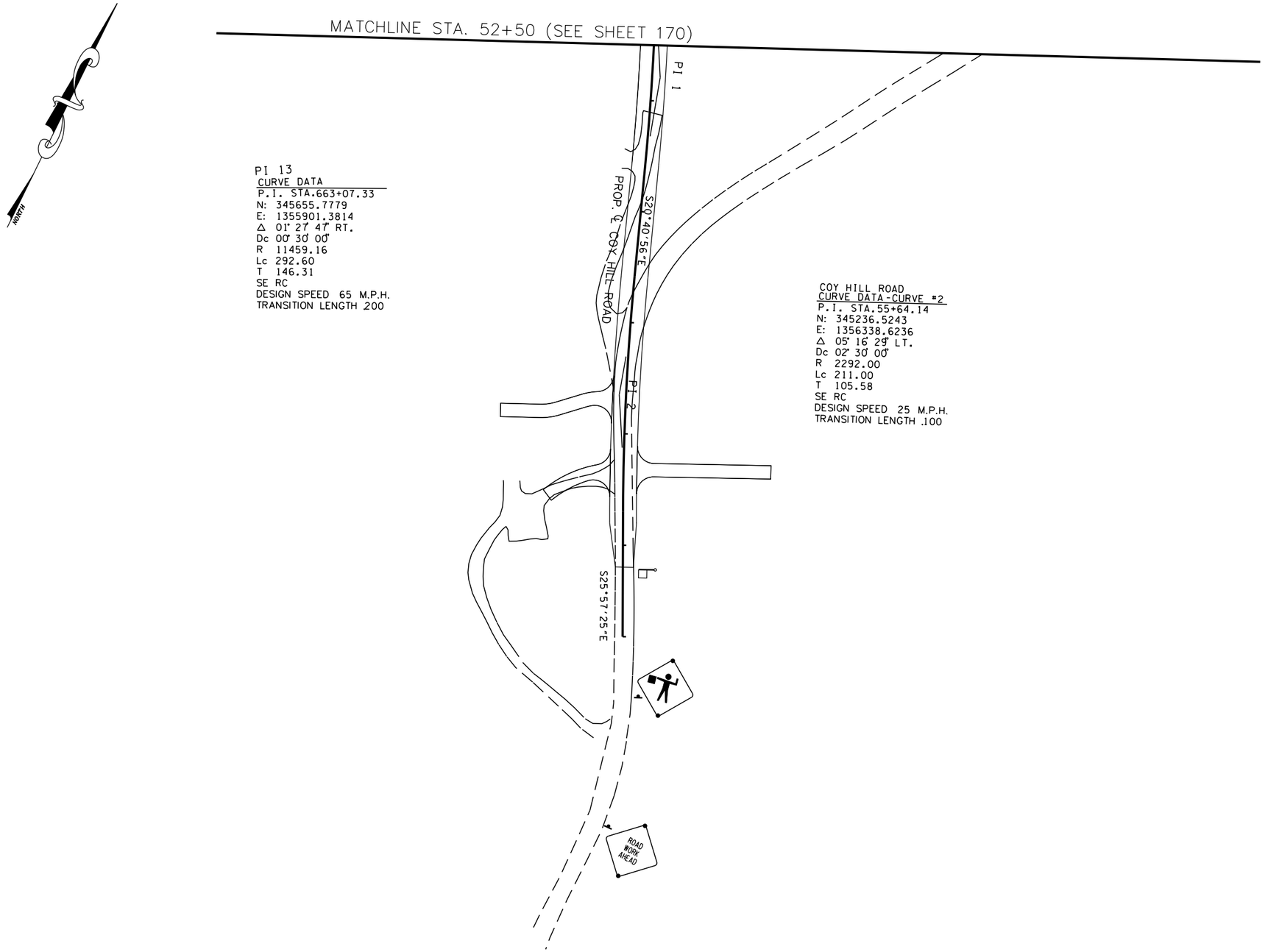
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	203
CONST	2014	36001-3290-14	



PI 13
CURVE DATA
P.I. STA.663+07.33
N: 345655.7779
E: 1355901.3814
Δ 01° 27' 47" RT.
Dc 00° 30' 00"
R 11459.16
Lc 292.60
T 146.31
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

COY HILL ROAD
CURVE DATA-CURVE #2
P.I. STA.55+64.14
N: 345236.5243
E: 1356338.6236
Δ 05° 16' 29" LT.
Dc 02° 30' 00"
R 2292.00
Lc 211.00
T 105.58
SE RC
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH 100

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I

COY HILL ROAD
SCALE: 1" = 50'

8/16/2014
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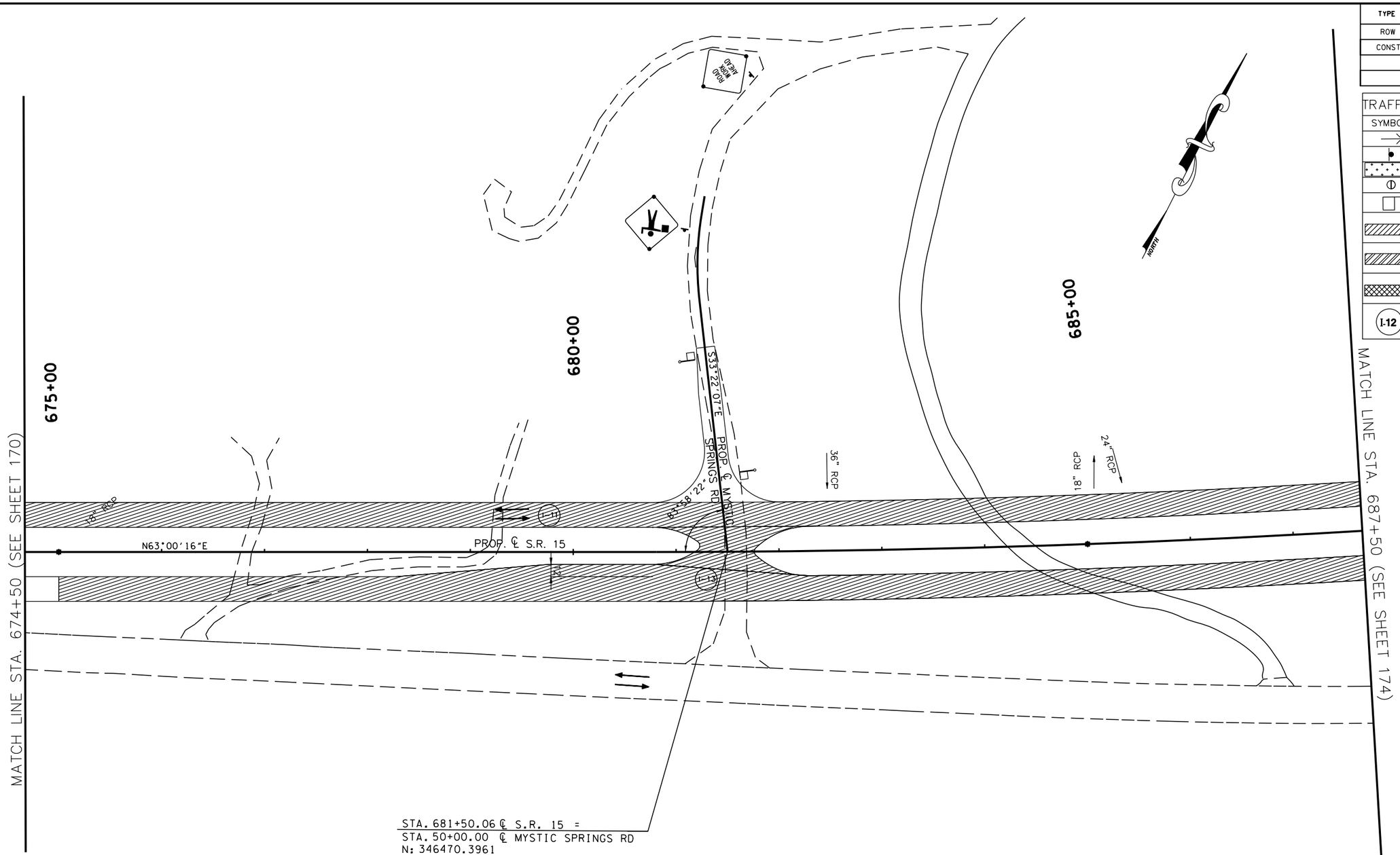
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	204
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I
STA. 674+50 TO 687+50
SCALE: 1" = 50'

8/16/2014
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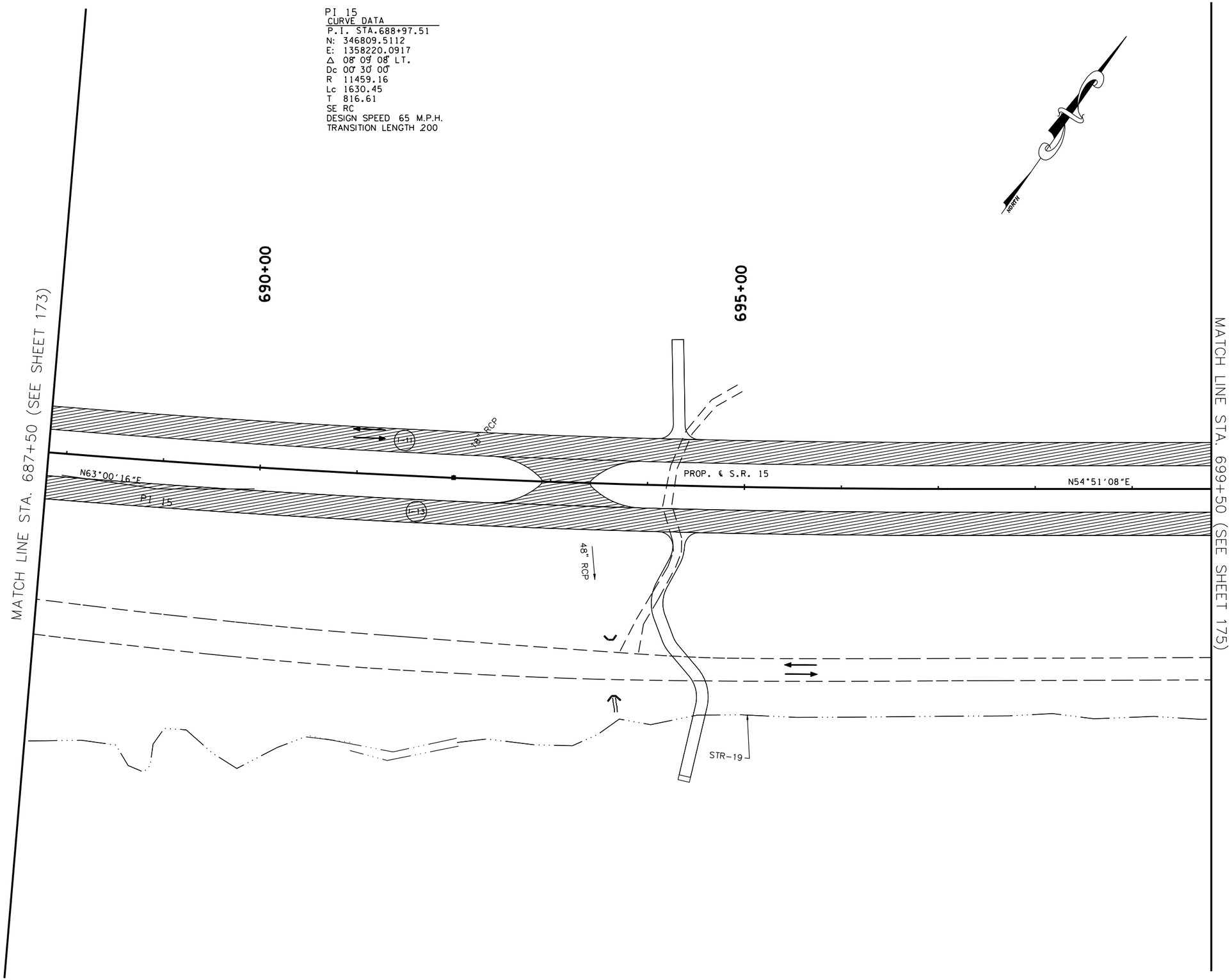
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	205
CONST	2014	36001-3290-14	

PI 15
CURVE DATA
P.I. STA.688+97.51
N: 346809.5112
E: 1358220.0917
Δ 08° 09' 08" LT.
Dc 00° 30' 00"
R 11459.16
Lc 1630.45
T 816.61
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I
STA. 687+50 TO 699+50
SCALE: 1" = 50'

8/16/2014
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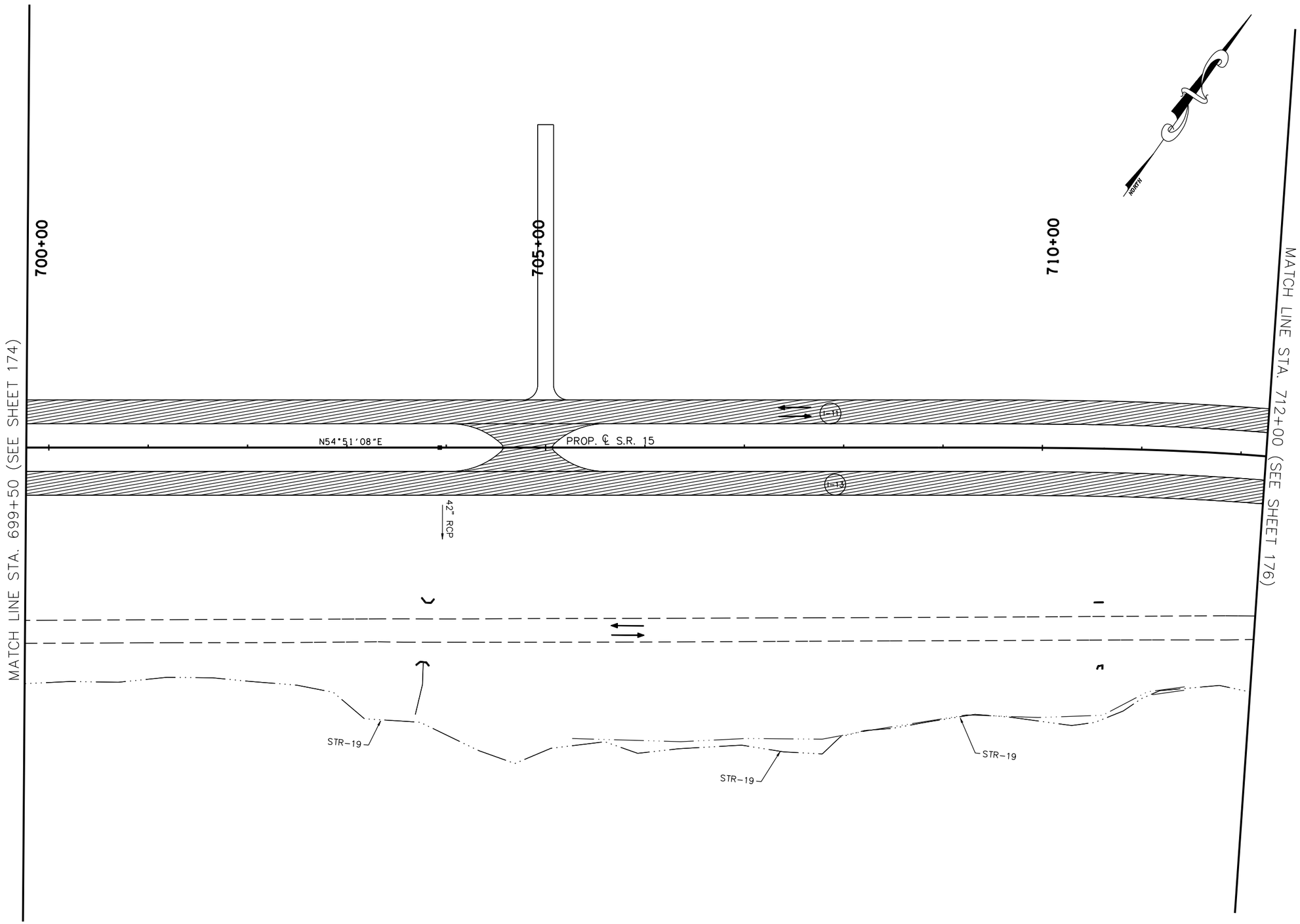
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	206
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I
STA. 699+50 TO 712+00
SCALE: 1" = 50'

8/6/2014
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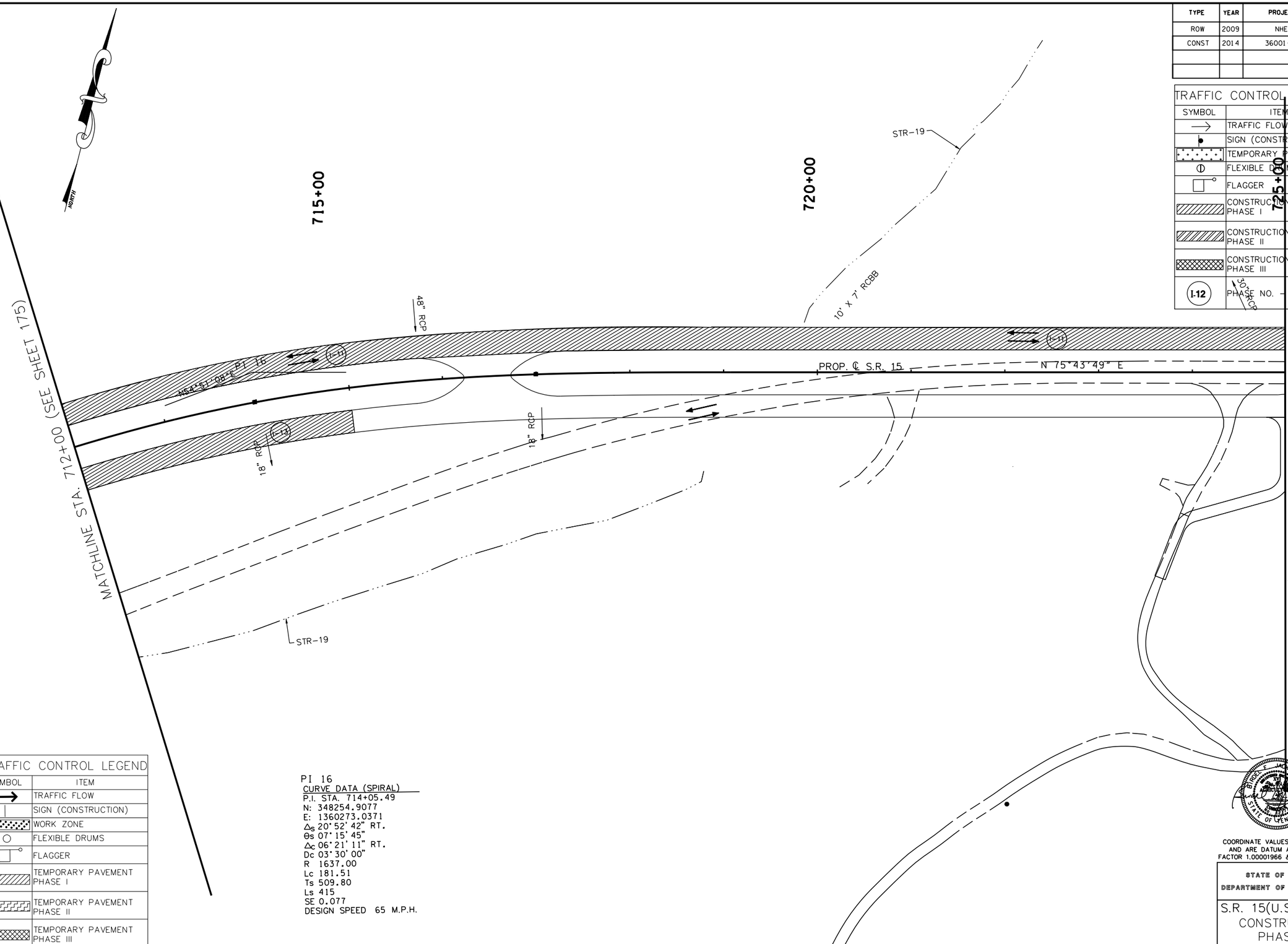
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	207
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
1-12	PHASE NO. – STEP NO.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	WORK ZONE
	FLEXIBLE DRUMS
	FLAGGER
	TEMPORARY PAVEMENT PHASE I
	TEMPORARY PAVEMENT PHASE II
	TEMPORARY PAVEMENT PHASE III

PI 16
CURVE DATA (SPIRAL)
P.I. STA. 714+05.49
N: 348254.9077
E: 1360273.0371
Δ_s 20° 52' 42" RT.
θ_s 07° 15' 45"
Δ_c 06° 21' 11" RT.
Dc 03° 30' 00"
R 1637.00
Lc 181.51
Ts 509.80
Ls 415
SE 0.077
DESIGN SPEED 65 M.P.H.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I
STA. 712+00 TO 725+00
SCALE: 1" = 50'

8/16/2014
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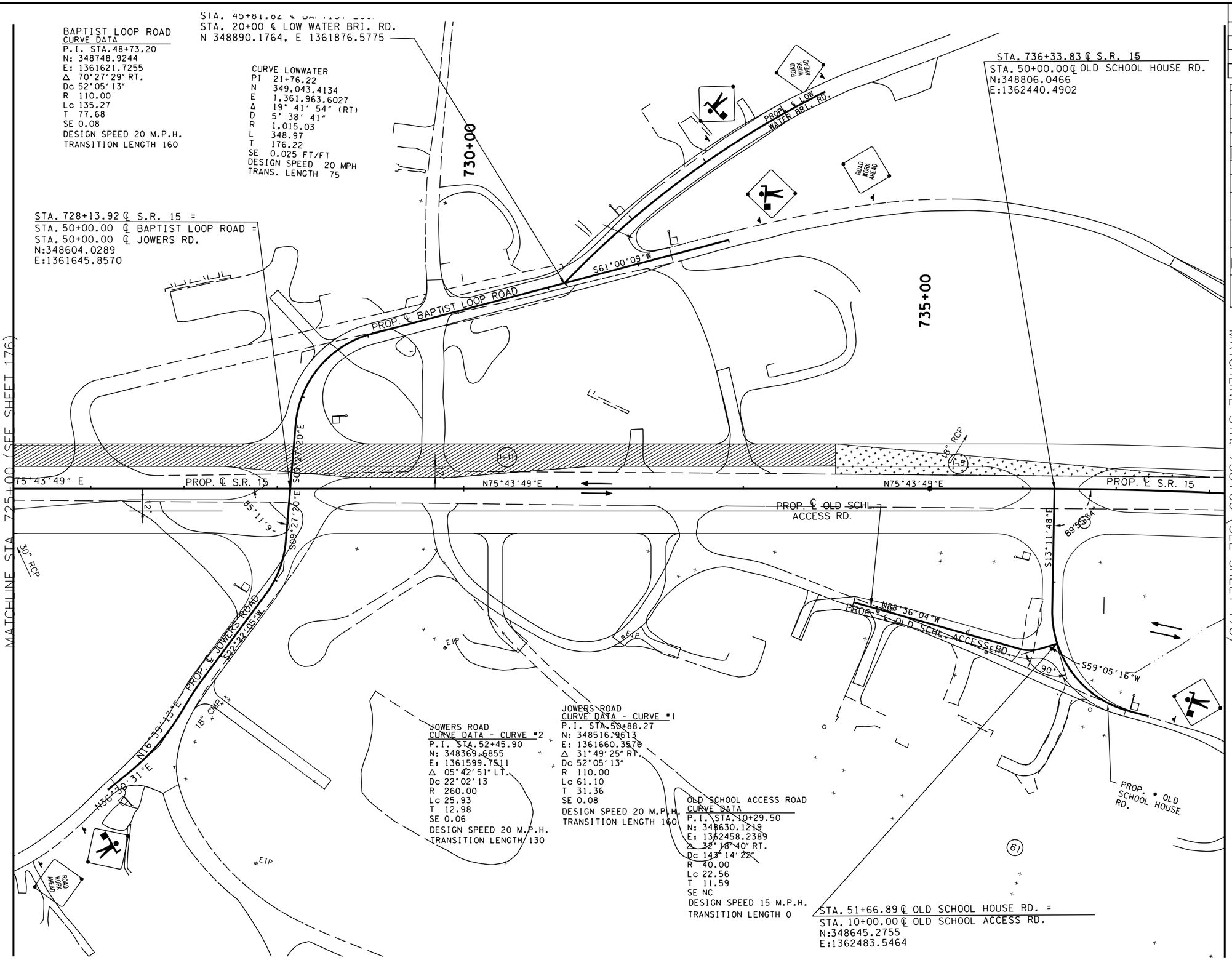
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	208
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I

STA. 725+00 TO 738+00
SCALE: 1" = 50'

8/16/2014
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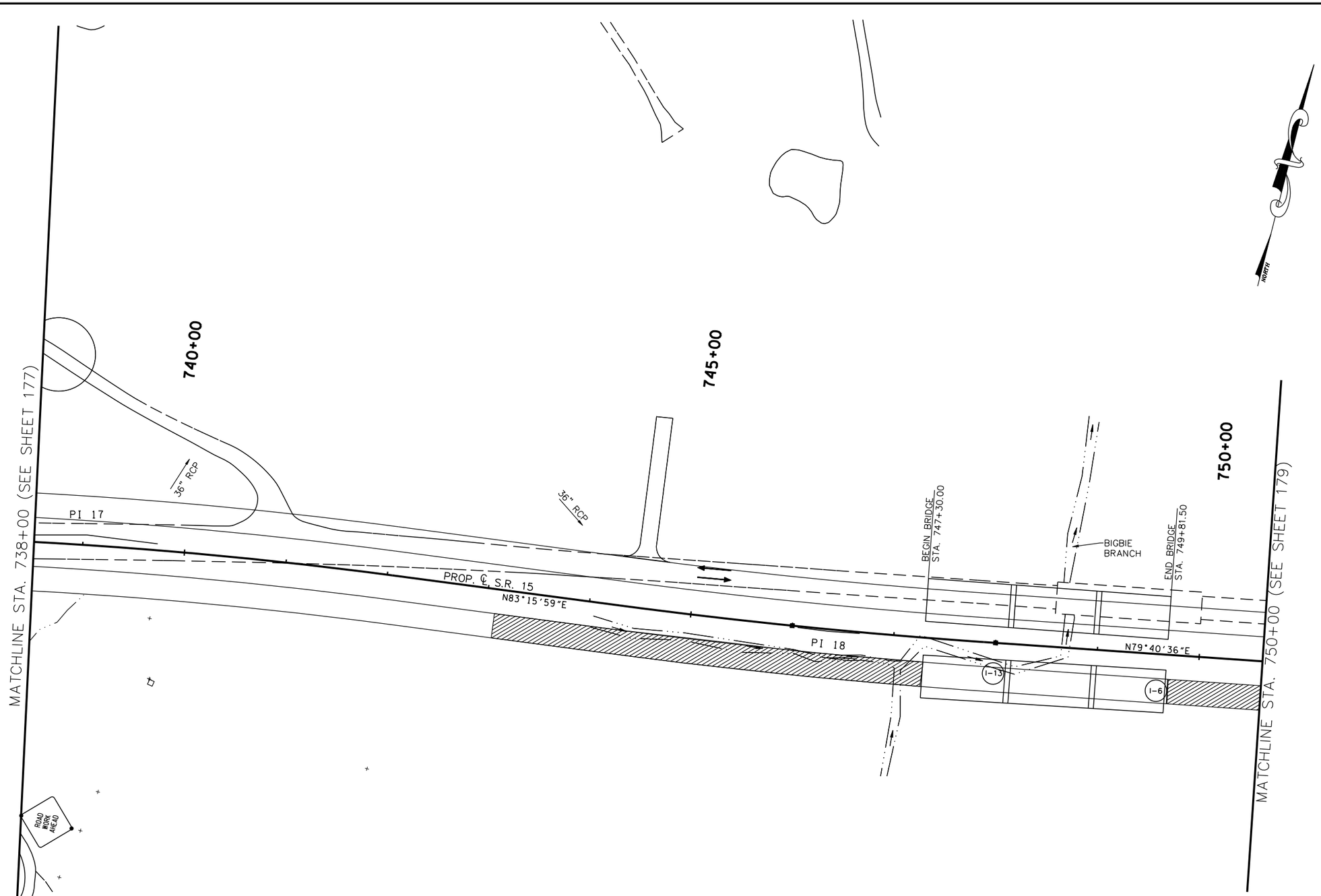
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	209
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

OLD SCHOOL HOUSE ROAD
CURVE DATA
P.I. STA. 52+16.06
N: 348595.6889
E: 1362489.8158
Δ 76°05'59" LT.
Dc 52°05'13"
R 110.00
Lc 146.10
T 86.10
SE 0.06
DESIGN SPEED 15 M.P.H.
TRANSITION LENGTH 120

PI 17
CURVE DATA
P.I. STA. 739+03.86
N: 348872.7116
E: 1362702.1592
Δ 07° 32' 10" RT.
Dc 01° 15' 00"
R 4583.66
Lc 602.88
T 301.88
SE 0.040
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

PI 18
CURVE DATA
P.I. STA. 746+09.18
N: 348955.5151
E: 1363403.4808
Δ 03° 35' 23" LT.
Dc 01° 00' 00"
R 5729.58
Lc 358.97
T 179.54
SE 0.033
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

BRIDGET F. JACKSON
ARCHITECT
STATE OF TENNESSEE
14
2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I
STA. 738+00 TO 750+00
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	210
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

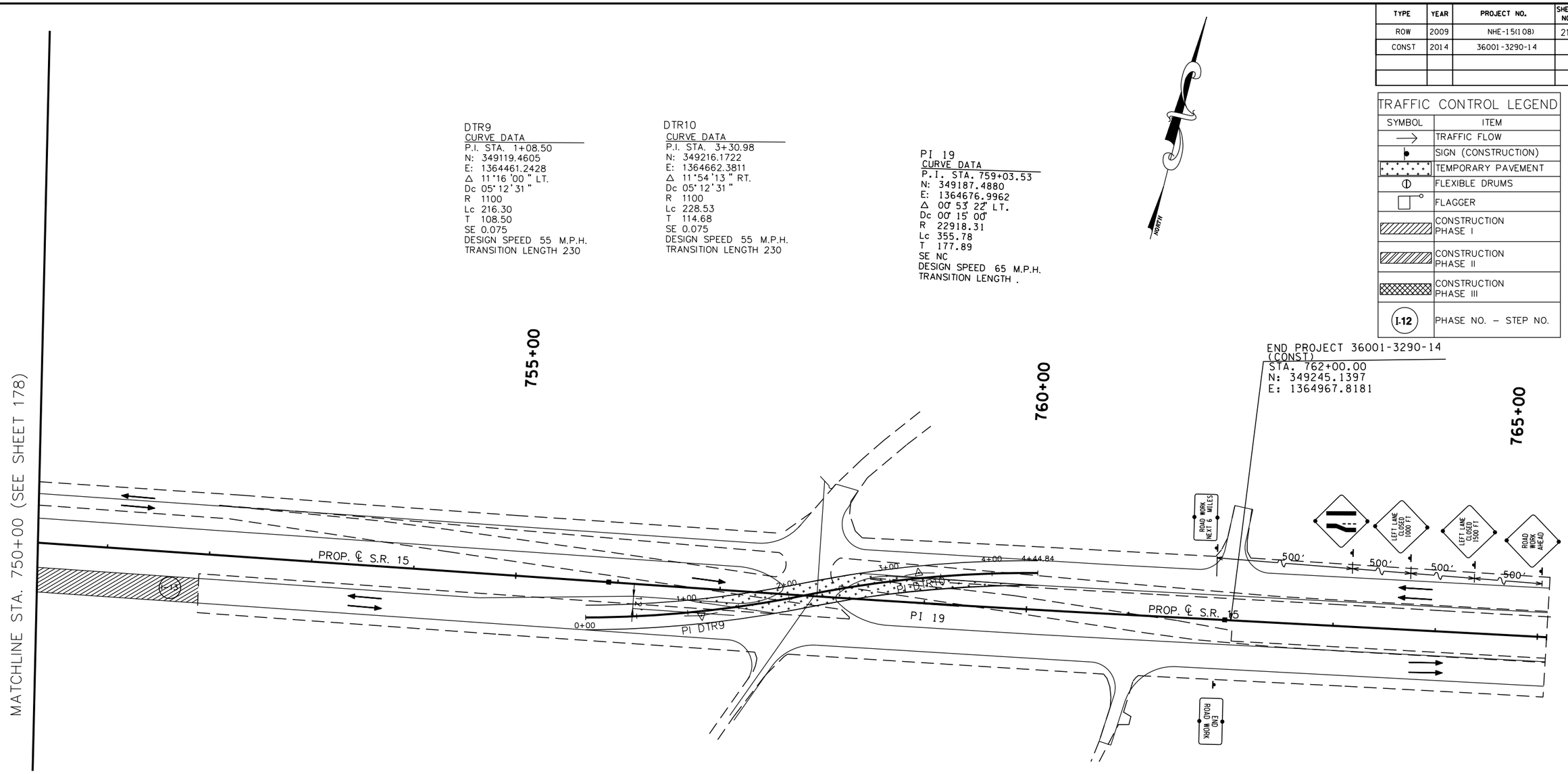
SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

DTR9
CURVE DATA
P.I. STA. 1+08.50
N: 349119.4605
E: 1364461.2428
Δ 11°16'00" LT.
Dc 05°12'31"
R 1100
Lc 216.30
T 108.50
SE 0.075
DESIGN SPEED 55 M.P.H.
TRANSITION LENGTH 230

DTR10
CURVE DATA
P.I. STA. 3+30.98
N: 349216.1722
E: 1364662.3811
Δ 11°54'13" RT.
Dc 05°12'31"
R 1100
Lc 228.53
T 114.68
SE 0.075
DESIGN SPEED 55 M.P.H.
TRANSITION LENGTH 230

PI 19
CURVE DATA
P.I. STA. 759+03.53
N: 349187.4880
E: 1364676.9962
Δ 00°53'22" LT.
Dc 00°15'00"
R 22918.31
Lc 355.78
T 177.89
SE NC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH .

END PROJECT 36001-3290-14 (CONST)
STA. 762+00.00
N: 349245.1397
E: 1364967.8181



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE I

750+00 TO E.O.P.
SCALE: 1" = 50'

8/16/2014
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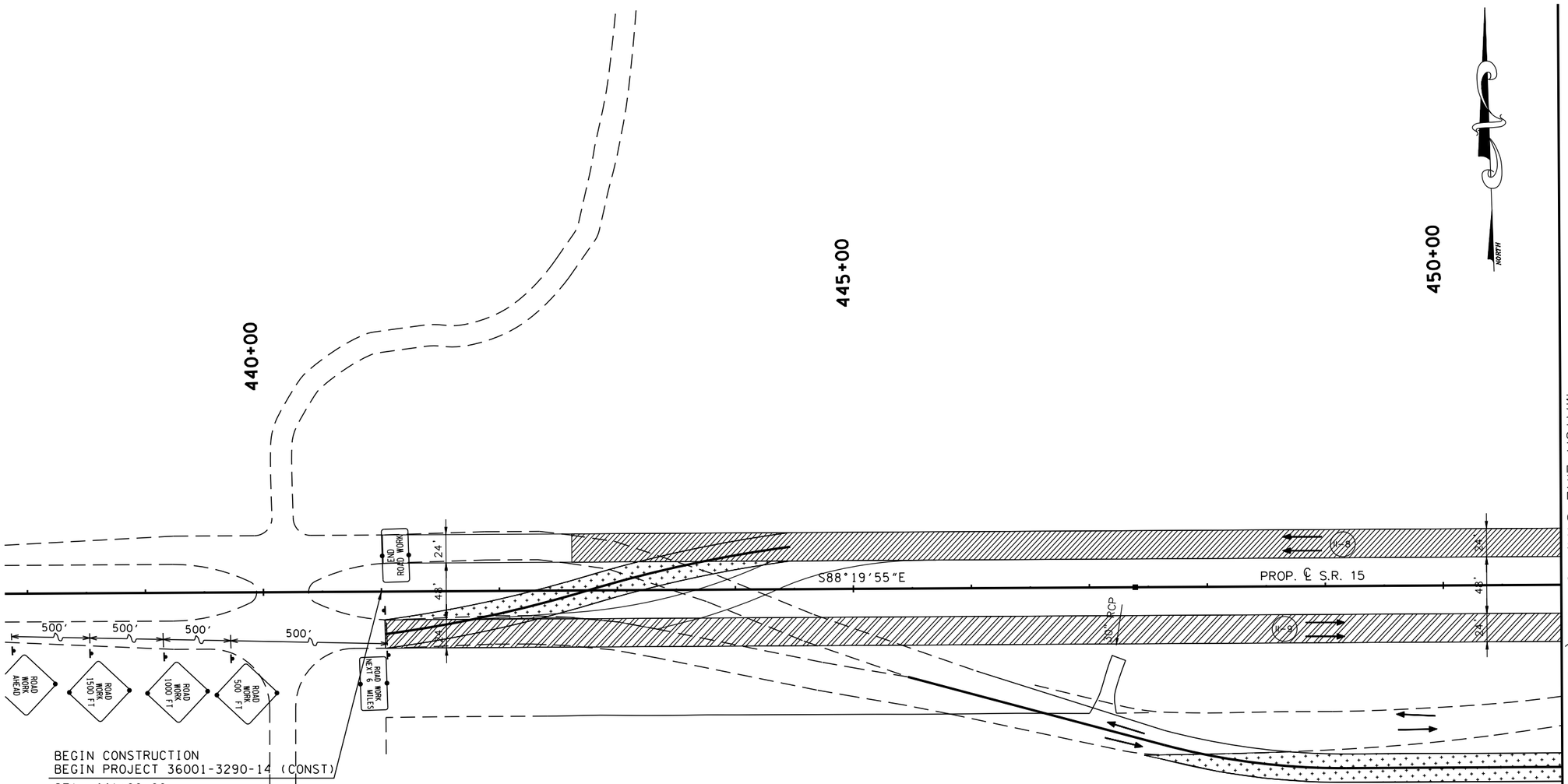
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	211
CONST	2014	36001-3290-14	

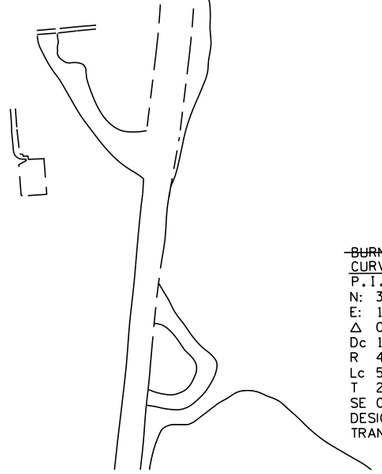
TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



BEGIN CONSTRUCTION
BEGIN PROJECT 36001-3290-14 (CONST)

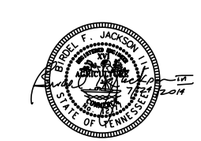
STA. 441+00.00
N: 338491.7352
E: 1335528.3033



~~BURNT CHURCH RD.~~
CURVE DATA
P.I. STA.52+06.86
N: 338287.4624
E: 1335437.5177
Δ 06° 56' 38" RT.
Dc 12° 00' 00"
R 477.46
Lc 57.87
T 28.97
SE 0.038
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .105

PHASE II CONSTRUCTION

1. INSTALL "ROAD WORK AHEAD" SIGNS ON ALL AFFECTED SIDE ROADS.
2. CONSTRUCT THE EASTBOUND LANES OF SR15 FROM BEGINNING OF JOB TO STA. 625+00, FROM STA. 649+00 TO STA. 675+00 AND FROM STA. 715+00 TO STA. 743+00.
3. CONSTRUCT EASTBOUND AND WESTBOUND BRIDGES AT SMITH FORK CREEK FROM STA. 590+98 TO STA. 592+25.
4. CONSTRUCT ALL CROSS DRAINS UNDER THE PROPOSED ROADWAY WITHIN THE LIMITS DESCRIBED.
5. CONSTRUCT ALL DRIVEWAYS AND SIDE ROADS THAT TIE TO THE NEW LANES.
6. STRIPE TEMPORARY DOUBLE 4" YELLOW AND WHITE LINES.
7. DETOUR WESTBOUND TRAFFIC FROM THE END OF JOB TO THE NEW EASTBOUND LANES AT STA. 754+00.
8. DETOUR TEMPORARY WESTBOUND LANES FROM STA. 483+00 TO THE NEW WESTBOUND LANES AT STA. 475+00.
9. SHIFT EASTBOUND TRAFFIC AT THE BEGINNING OF JOB TO THE NEW EASTBOUND LANES.
10. MAINTAIN TWO LANES OF TRAFFIC AT ALL TIMES. IN SHORT AREAS WHERE TWO LANES ARE NOT FEASIBLE, A FLAGGER AT BOTH ENDS SHOULD BE USED TO DIRECT ONE LANE OF TRAFFIC,



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

STA. 420+00 TO 451+00
SCALE: 1" = 50'

8/16/2014
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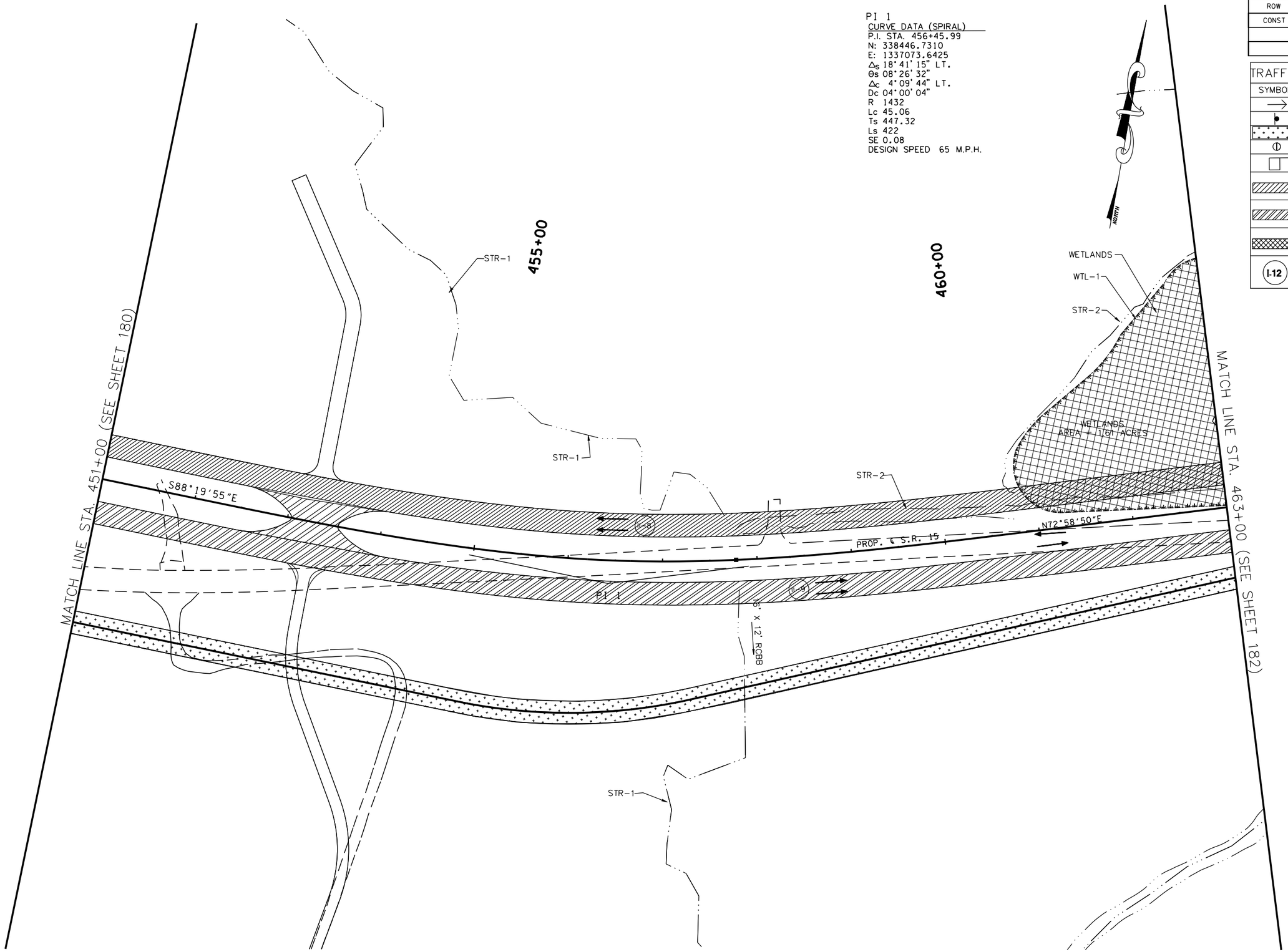
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	212
CONST	2014	36001-3290-14	

PI 1
CURVE DATA (SPIRAL)
P.I. STA. 456+45.99
N: 338446.7310
E: 1337073.6425
Δ_s 18° 41' 15" LT.
θ_s 08° 26' 32"
Δ_c 4° 09' 44" LT.
Dc 04° 00' 04"
R 1432
Lc 45.06
Ts 447.32
Ls 422
SE 0.08
DESIGN SPEED 65 M.P.H.



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

STA. 451+00 TO 463+00
SCALE: 1" = 50'

8/6/2014
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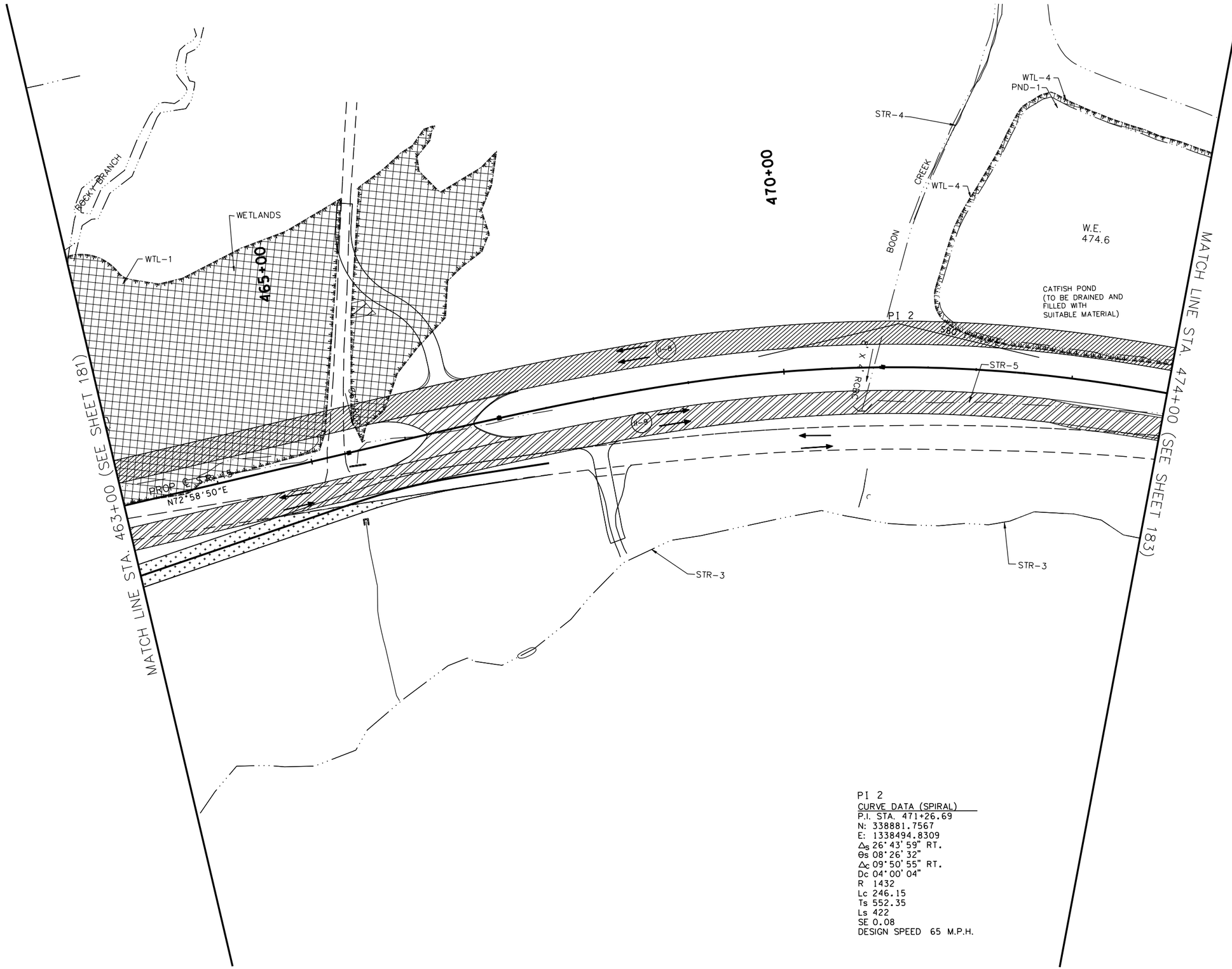
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	213
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

PI 2
CURVE DATA (SPIRAL)
P.I. STA. 471+26.69
N: 338881.7567
E: 1338494.8309
Δ_s 26°43'59" RT.
θ_s 08°26'32"
Δ_c 09°50'55" RT.
Dc 04°00'04"
R 1432
Lc 246.15
Ts 552.35
Ls 422
SE 0.08
DESIGN SPEED 65 M.P.H.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II
STA. 463+00 TO 474+00
SCALE: 1" = 50'

8/16/2014
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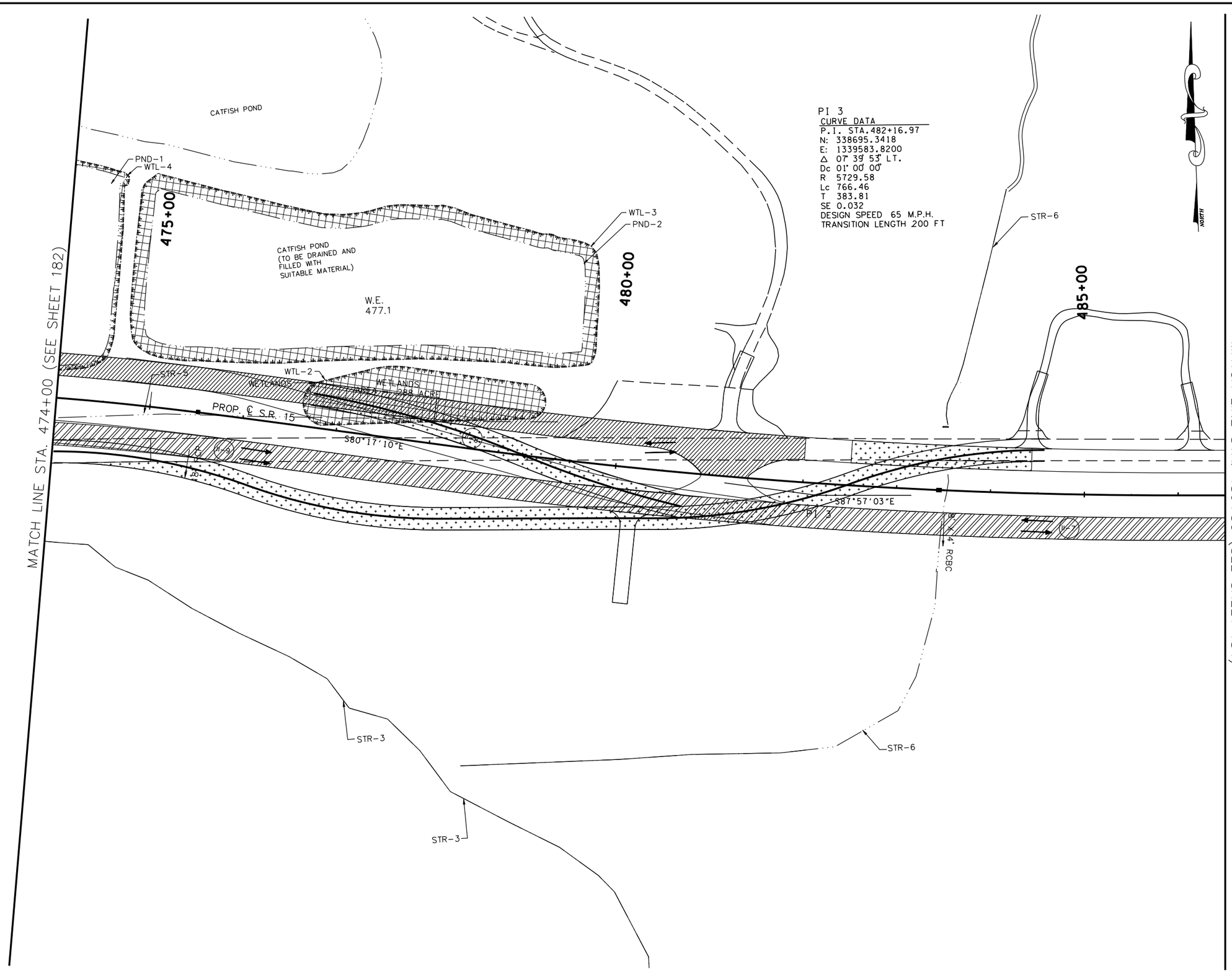
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	214
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

BIRDEL F. JACKSON III
STATE OF TENNESSEE
8-16-2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

STA. 474+00 TO 486+50
SCALE: 1" = 50'

8/16/2014
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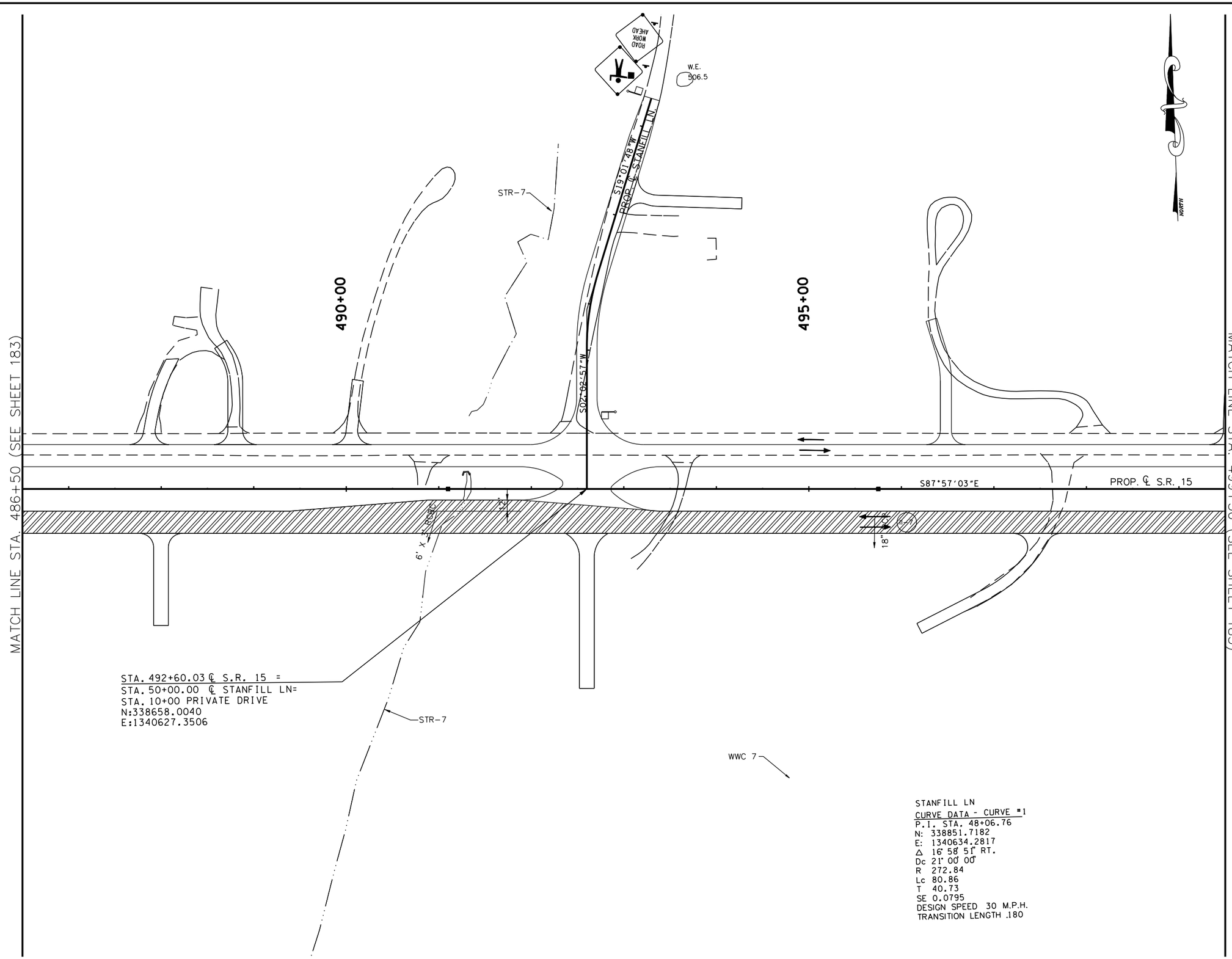
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	215
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



STANFILL LN
CURVE DATA - CURVE #1
P.I. STA. 48+06.76
N: 338851.7182
E: 1340634.2817
Δ 16° 58' 51" RT.
Dc 21° 00' 00"
R 272.84
Lc 80.86
T 40.73
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .180

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

STA. 486+50 TO 499+50
SCALE: 1" = 50'

8/16/2014
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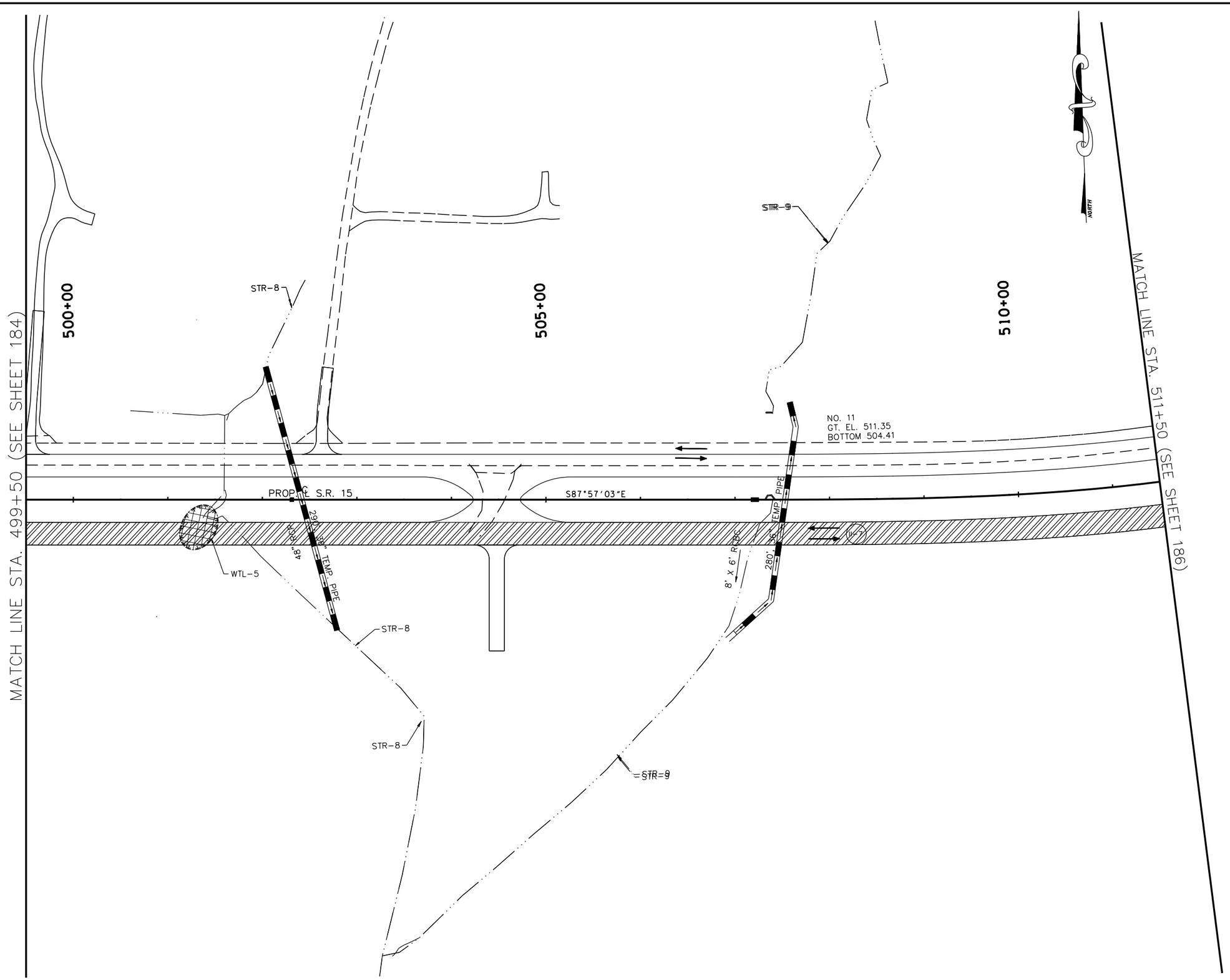
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	216
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

STA. 499+50 TO 511+50
SCALE: 1" = 50'

8/16/2014
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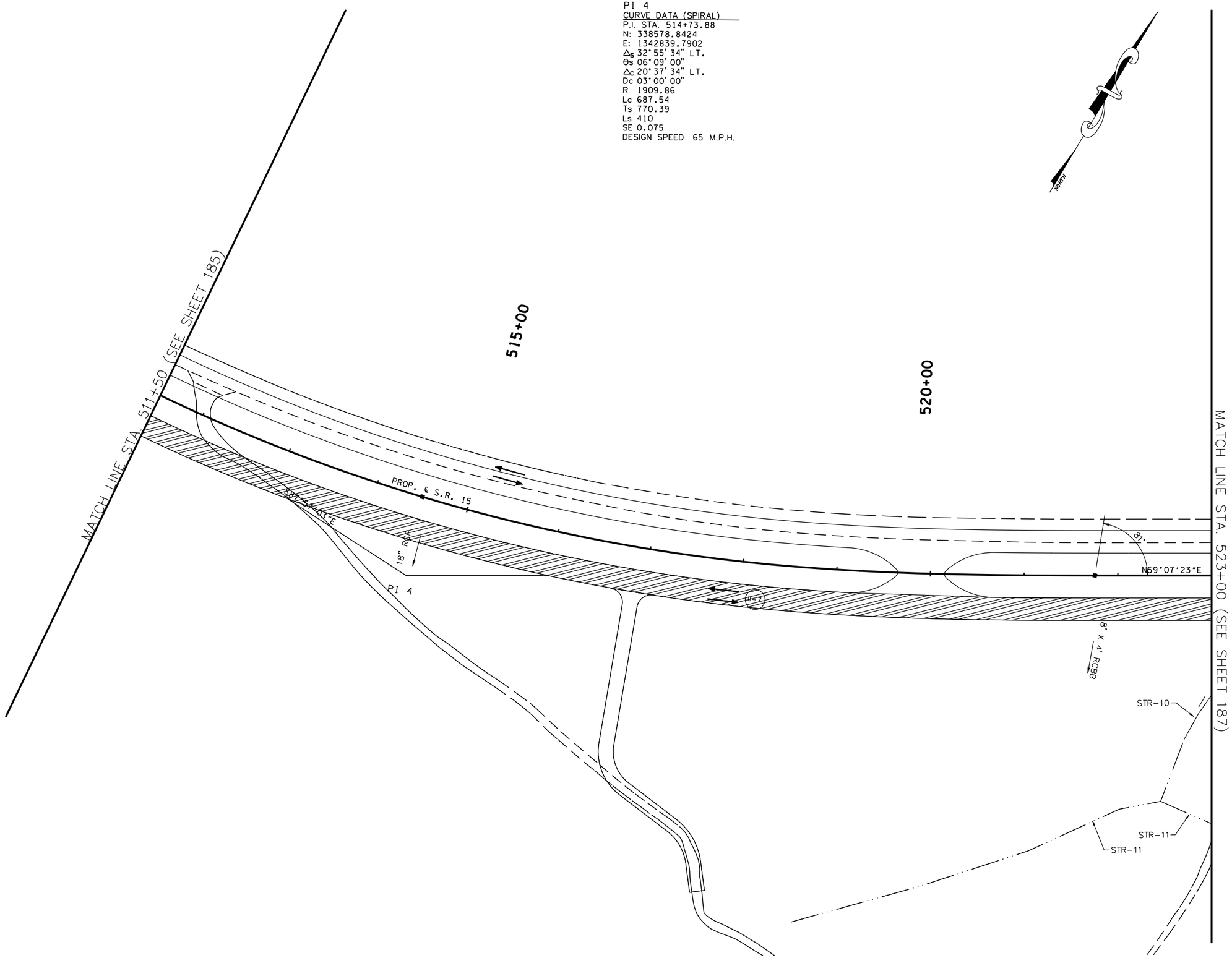
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	217
CONST	2014	36001-3290-14	

PI 4
CURVE DATA (SPIRAL)
P.I. STA. 514+73.88
N: 338578.8424
E: 1342839.7902
Δ_s 32°55'34" LT.
θ_s 06°09'00"
Δ_c 20°37'34" LT.
Dc 03°00'00"
R 1909.86
Lc 687.54
Ts 770.39
Ls 410
SE 0.075
DESIGN SPEED 65 M.P.H.



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

BIRDEL F. JACKSON III
STATE OF TENNESSEE
8-14-2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

STA. 511+50 + 523+00
SCALE: 1" = 50'

8/16/2014
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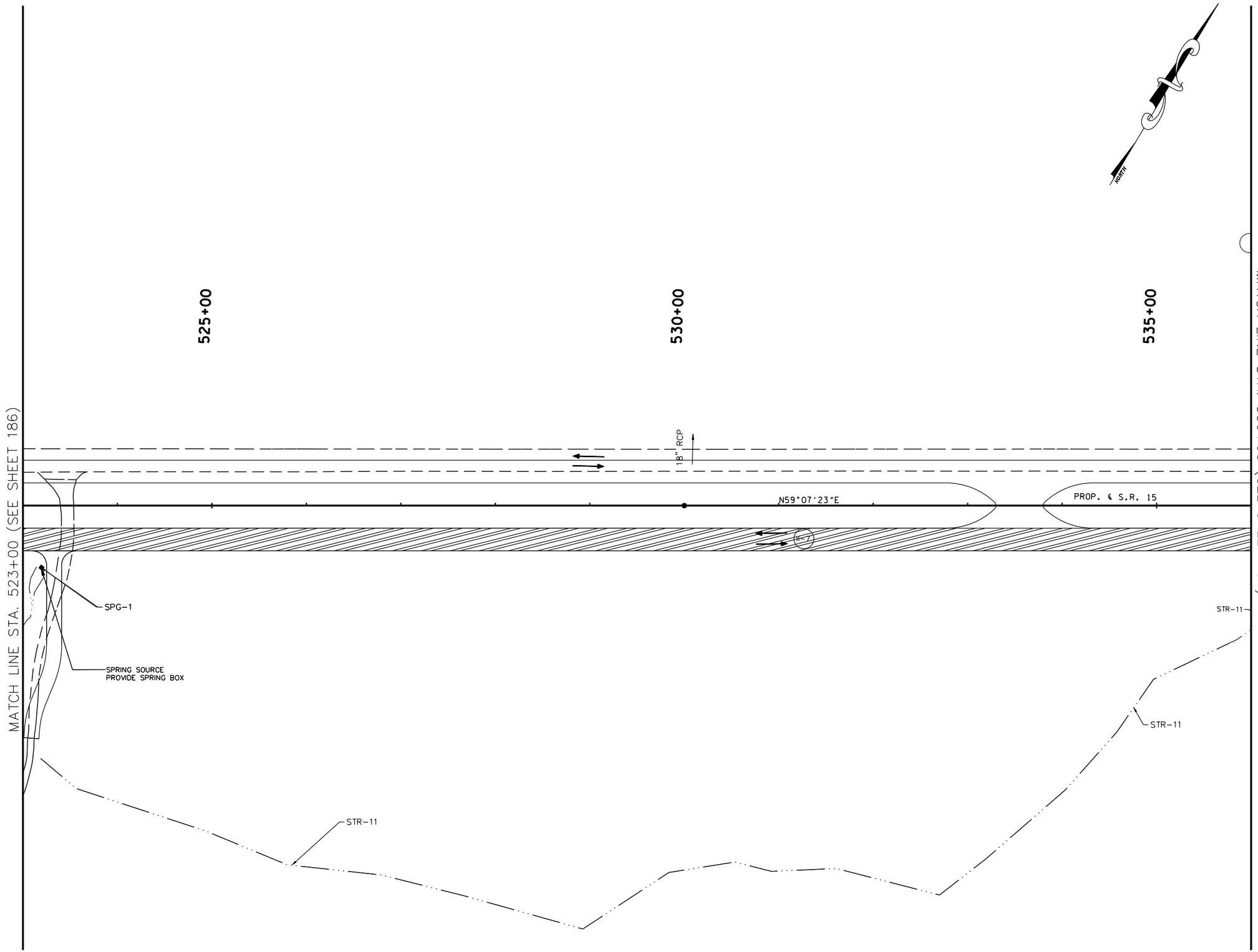
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	218
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

STA. 523+00 TO 536+00
SCALE: 1" = 50'

8/16/2014
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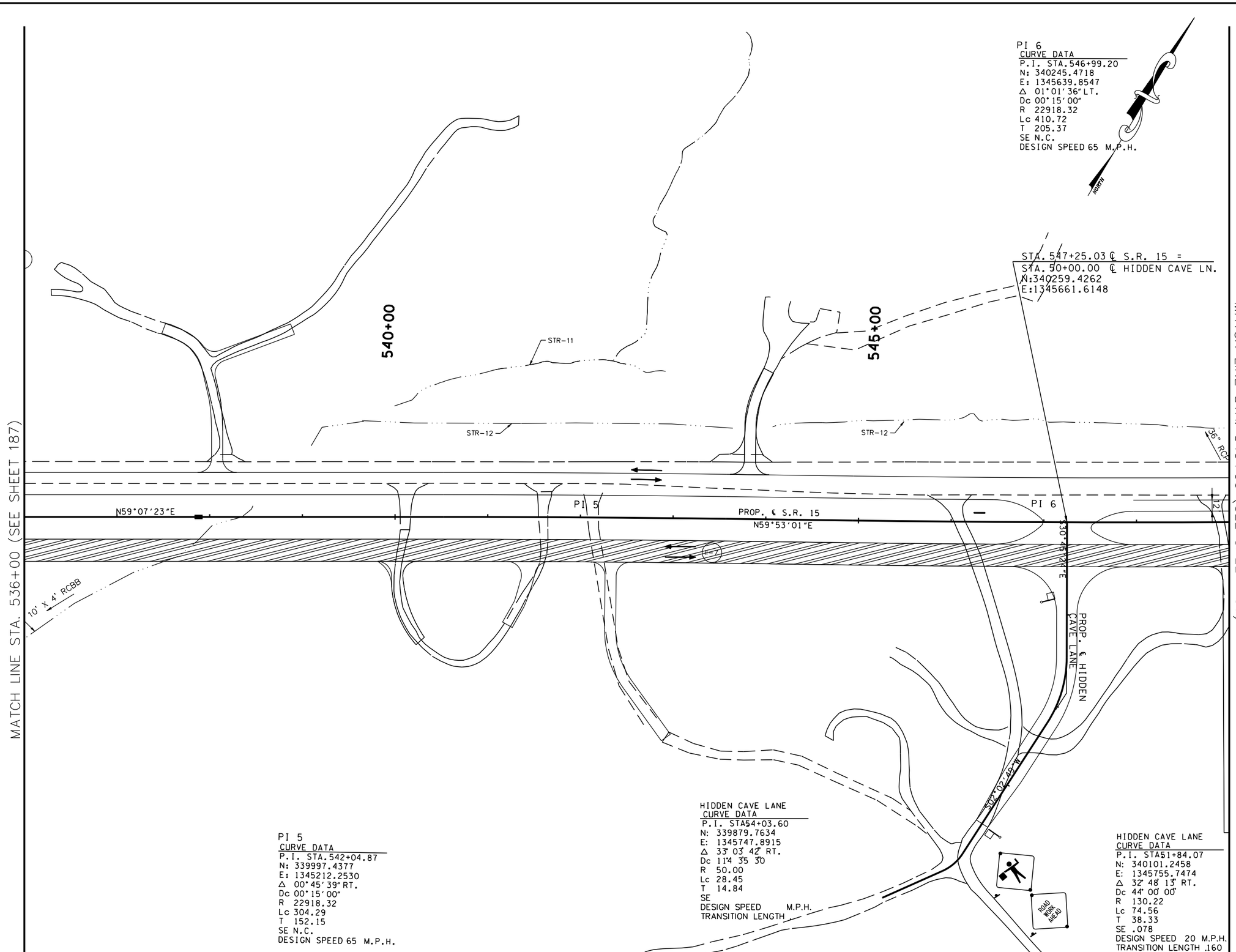
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	219
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



PI 5
CURVE DATA
P.I. STA.542+04.87
N: 339997.4377
E: 1345212.2530
Δ 00°45'39" RT.
Dc 00°15'00"
R 22918.32
Lc 304.29
T 152.15
SE N.C.
DESIGN SPEED 65 M.P.H.

HIDDEN CAVE LANE
CURVE DATA
P.I. STA54+03.60
N: 339879.7634
E: 1345747.8915
Δ 33° 03' 42" RT.
Dc 114° 35' 30"
R 50.00
Lc 28.45
T 14.84
SE
DESIGN SPEED M.P.H.
TRANSITION LENGTH

HIDDEN CAVE LANE
CURVE DATA
P.I. STA51+84.07
N: 340101.2458
E: 1345755.7474
Δ 32° 48' 13" RT.
Dc 44° 00' 00"
R 130.22
Lc 74.56
T 38.33
SE .078
DESIGN SPEED 20 M.P.H.
TRANSITION LENGTH .160

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

STA. 536+00 TO 549+00
SCALE: 1" = 50'

8/16/2014
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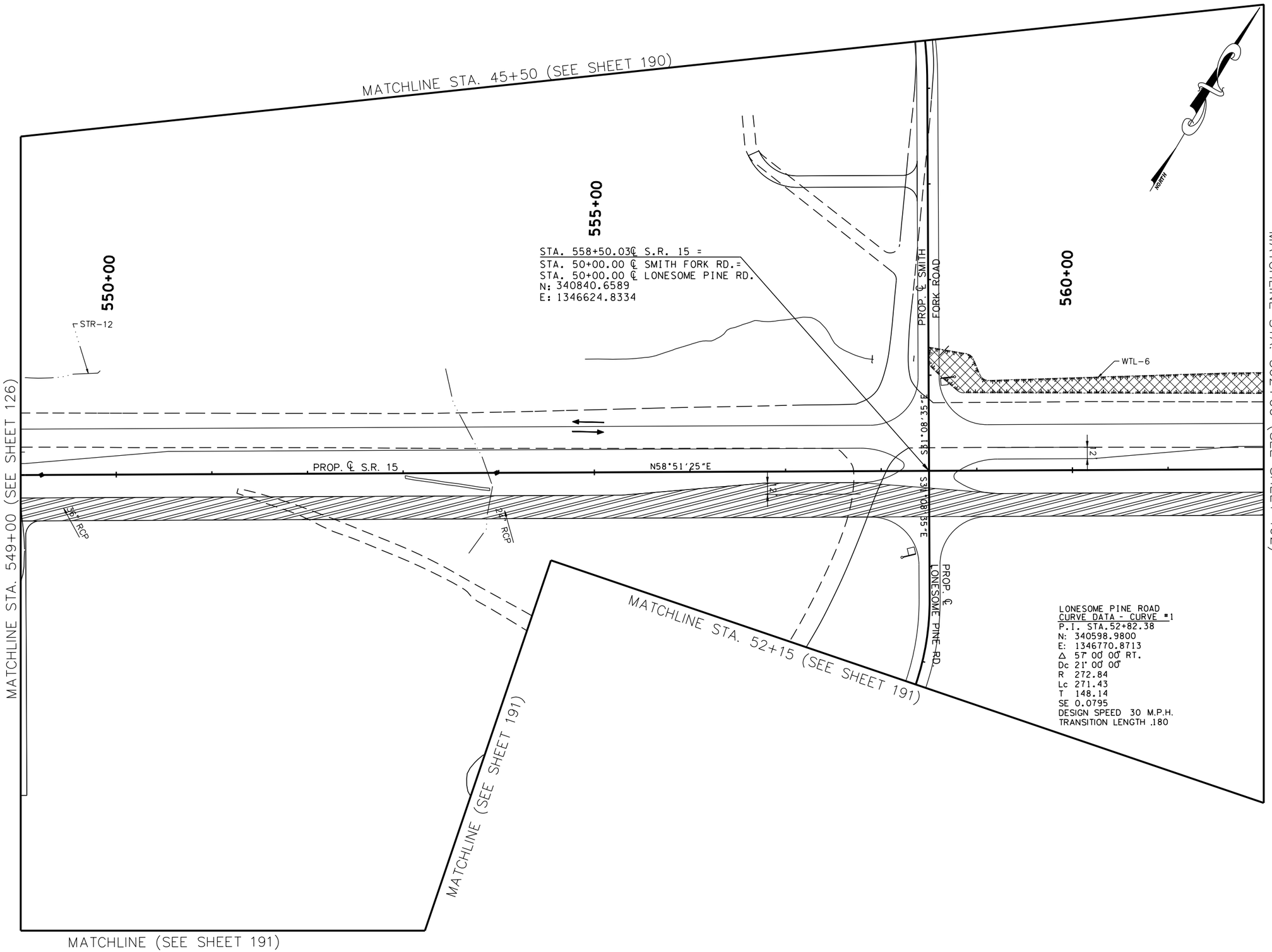
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	220
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

STA. 549+00 TO 562+00
SCALE: 1" = 50'

8/16/2014
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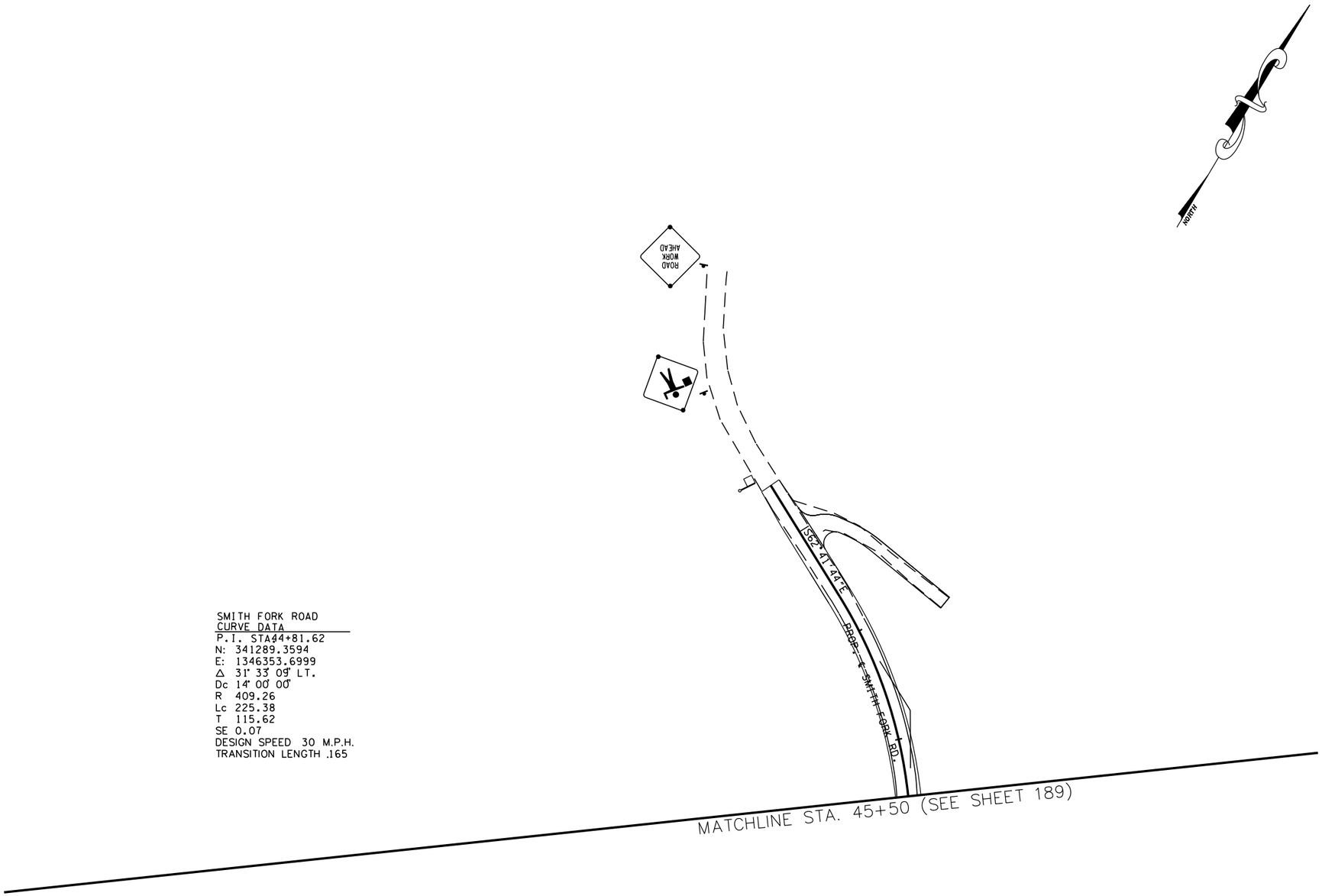
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	221
CONST	2014	36001-3290-14	



SMITH FORK ROAD
CURVE DATA

P.I. STA44+81.62
N: 341289.3594
E: 1346353.6999
Δ 31° 33' 09" LT.
Dc 14° 00' 00"
R 409.26
Lc 225.38
T 115.62
SE 0.07
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .165

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

SMITH FORK ROAD
SCALE: 1" = 50'

8/6/2014
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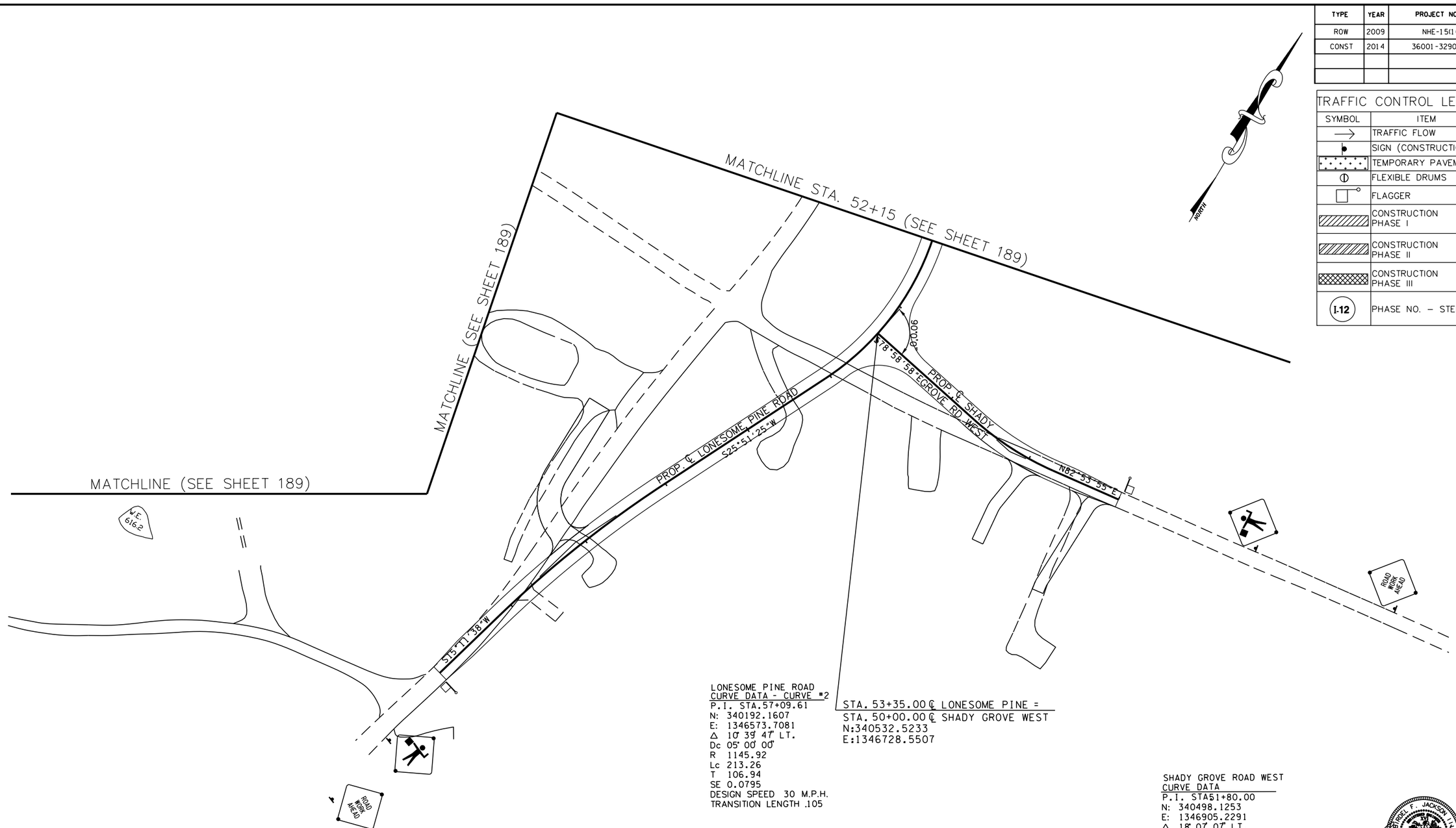
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	222
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



LONESOME PINE ROAD
CURVE DATA - CURVE #2
P.I. STA.57+09.61
N: 340192.1607
E: 1346573.7081
Δ 10° 39' 47" LT.
Dc 05° 00' 00"
R 1145.92
Lc 213.26
T 106.94
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .105

STA. 53+35.00 ℄ LONESOME PINE =
STA. 50+00.00 ℄ SHADY GROVE WEST
N:340532.5233
E:1346728.5507

SHADY GROVE ROAD WEST
CURVE DATA
P.I. STA51+80.00
N: 340498.1253
E: 1346905.2291
Δ 18° 07' 07" LT.
Dc 19° 00' 00"
R 301.56
Lc 95.36
T 48.08
SE .05
DESIGN SPEED 20 M.P.H.
TRANSITION LENGTH .120

BRUCE F. JACKSON
STATE OF TENNESSEE
8/15/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONST. PHASING
PHASE II
LONESOME PINE ROAD
AND
SHADY GROVE ROAD WEST
SCALE: 1" = 50'

8/16/2014
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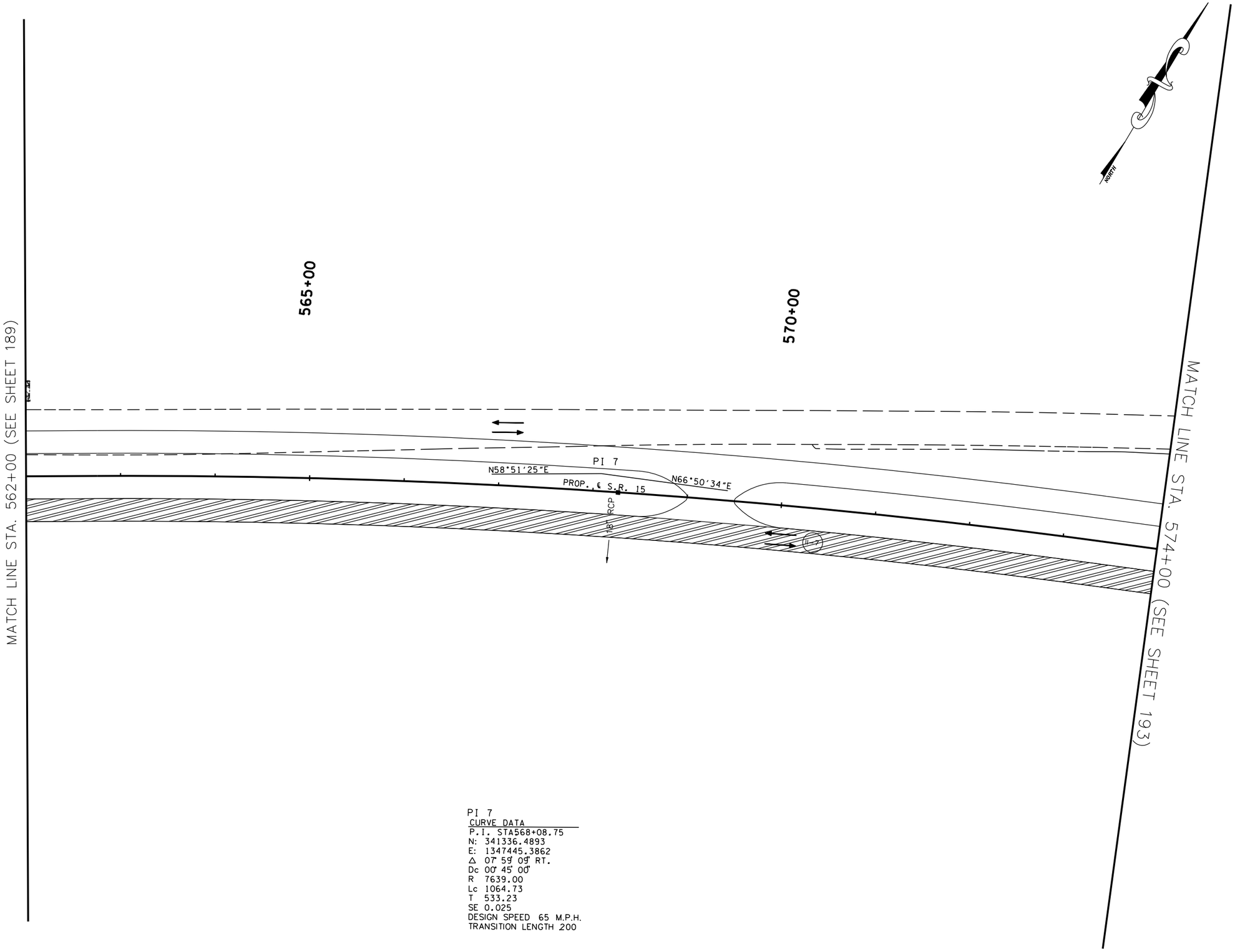
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	223
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



PI 7
CURVE DATA
P.I. STA568+08.75
N: 341336.4893
E: 1347445.3862
Δ 07° 59' 09" RT.
Dc 00° 45' 00"
R 7639.00
Lc 1064.73
T 533.23
SE 0.025
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II
STA. 562+00 TO 574+00
SCALE: 1" = 50'

8/16/2014
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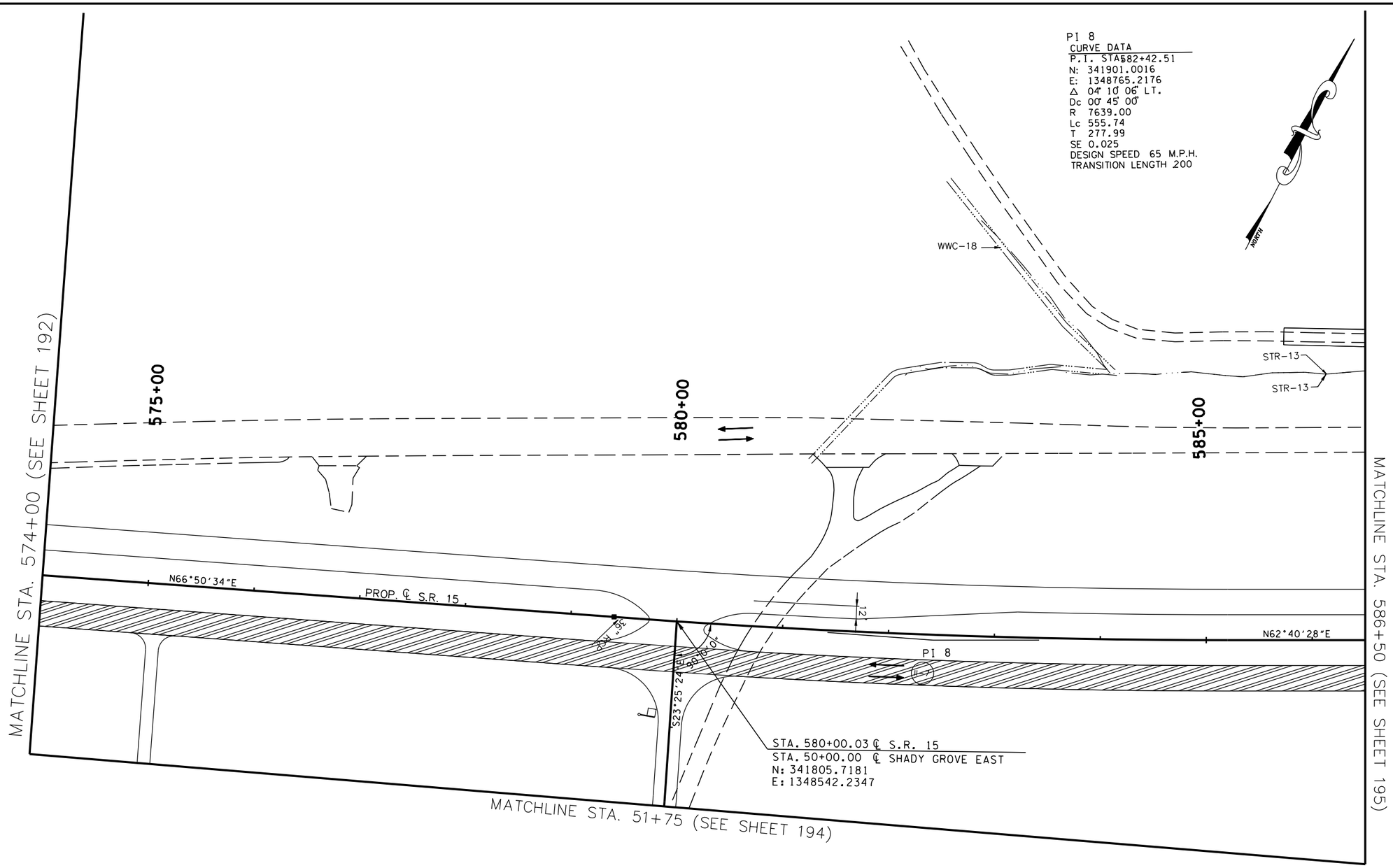
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	224
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

STA. 574+00 TO 586+50
SCALE: 1" = 50'

8/16/2014
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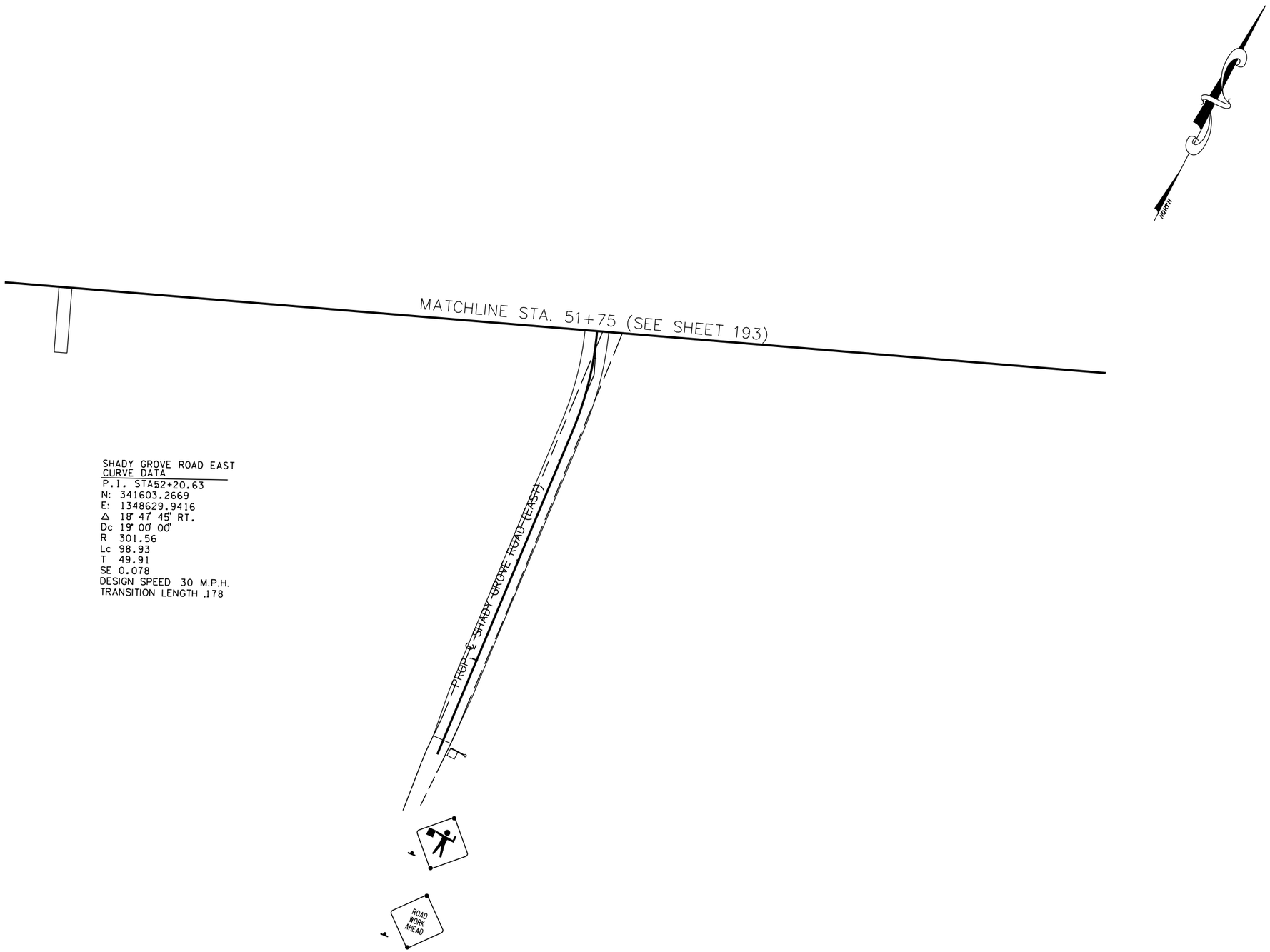
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	225
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



SHADY GROVE ROAD EAST
CURVE DATA

P.I. STA 52+20.63
N: 341603.2669
E: 1348629.9416
Δ 18° 47' 45" RT.
Dc 19° 00' 00"
R 301.56
Lc 98.93
T 49.91
SE 0.078
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .178

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

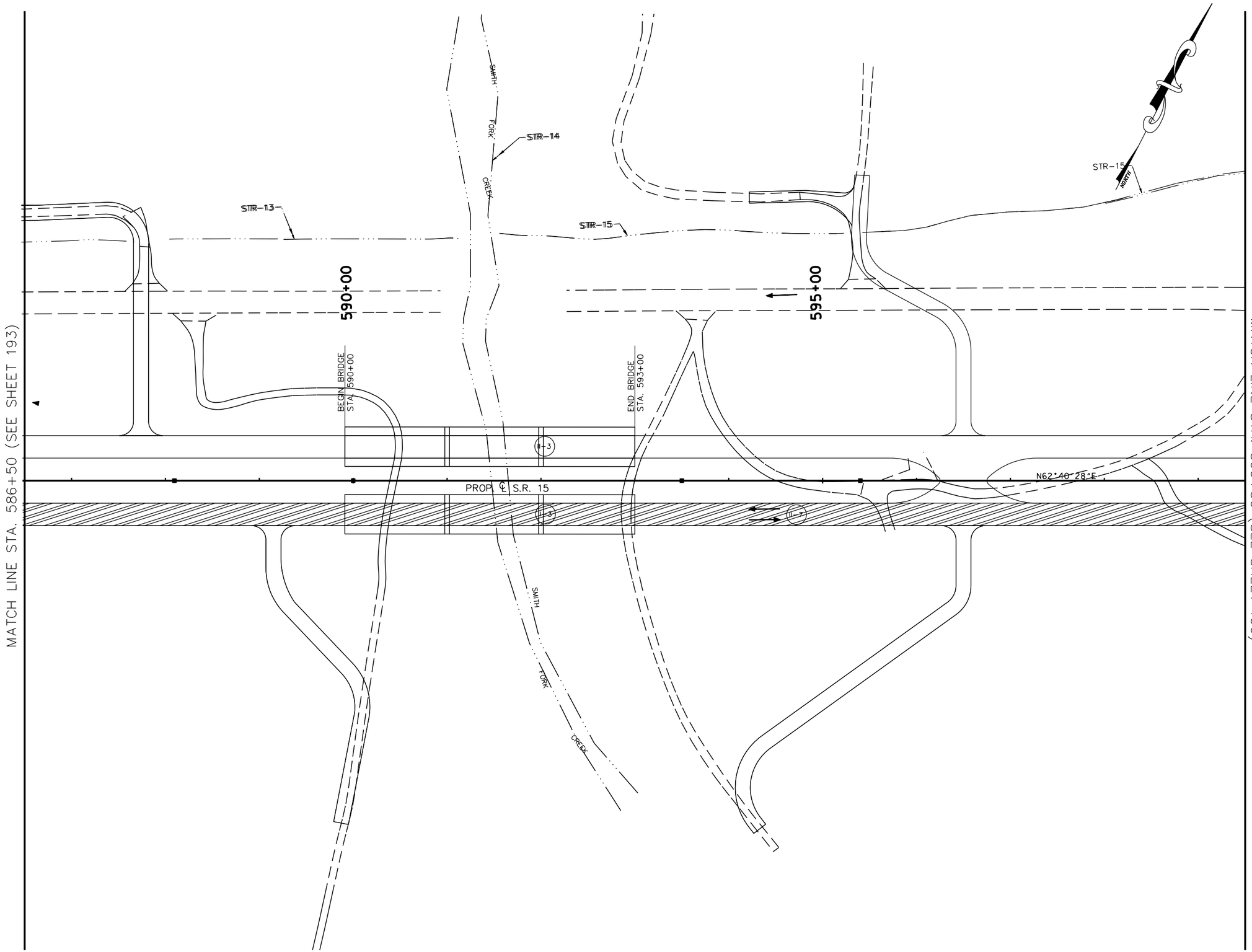
S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

SHADY GROVE ROAD EAST
SCALE: 1" = 50'

8/16/2014
C:\BEYONDSITES ENGINEERING\2011\11005BEJ-Parker1099\DESIGN\TRAFFIC_194.dgn

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	226
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II
STA. 586+50 TO 599+50
SCALE: 1" = 50'

8/16/2014
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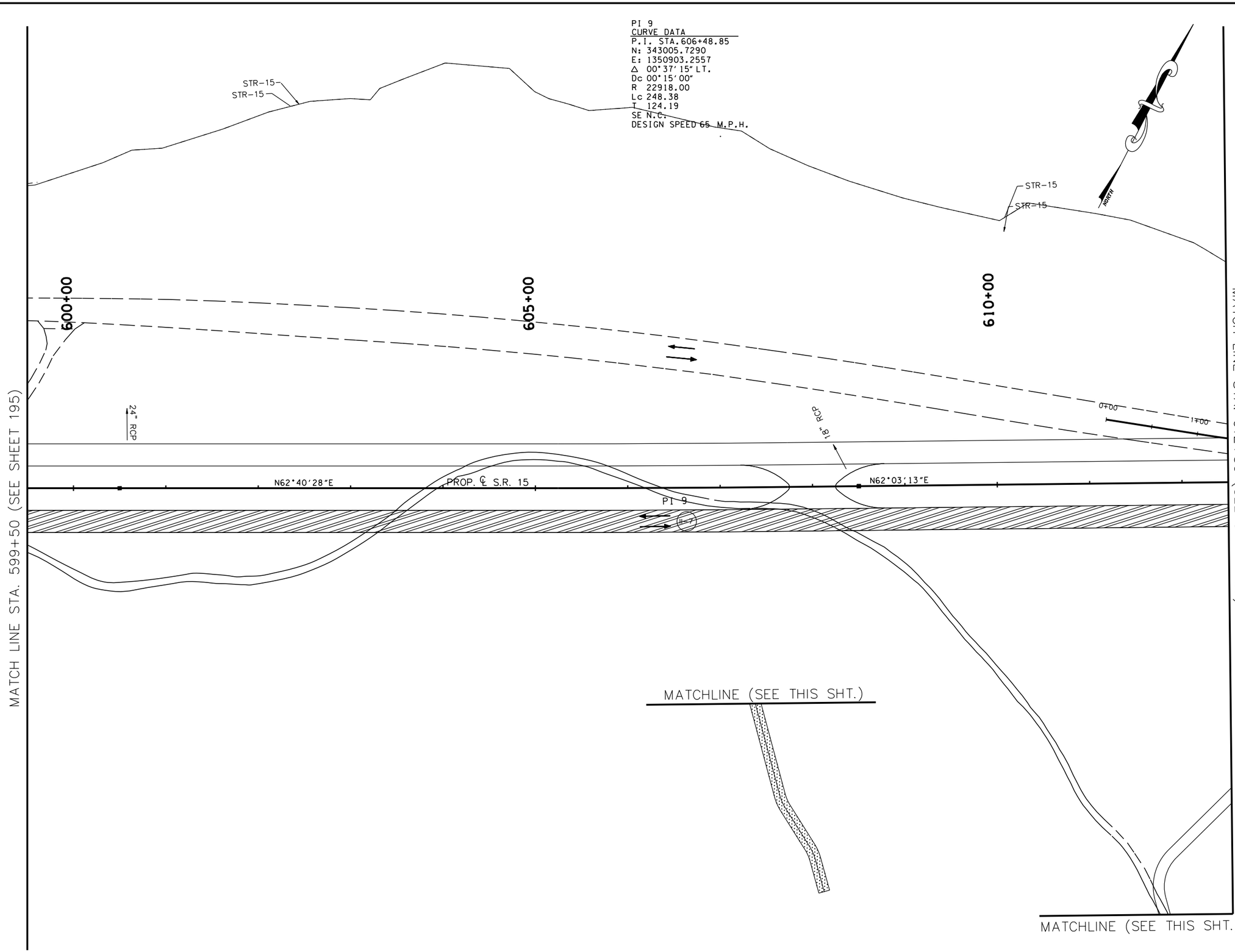
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	227
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II
STA. 599+50 TO 612+50
SCALE: 1" = 50'

8/16/2014
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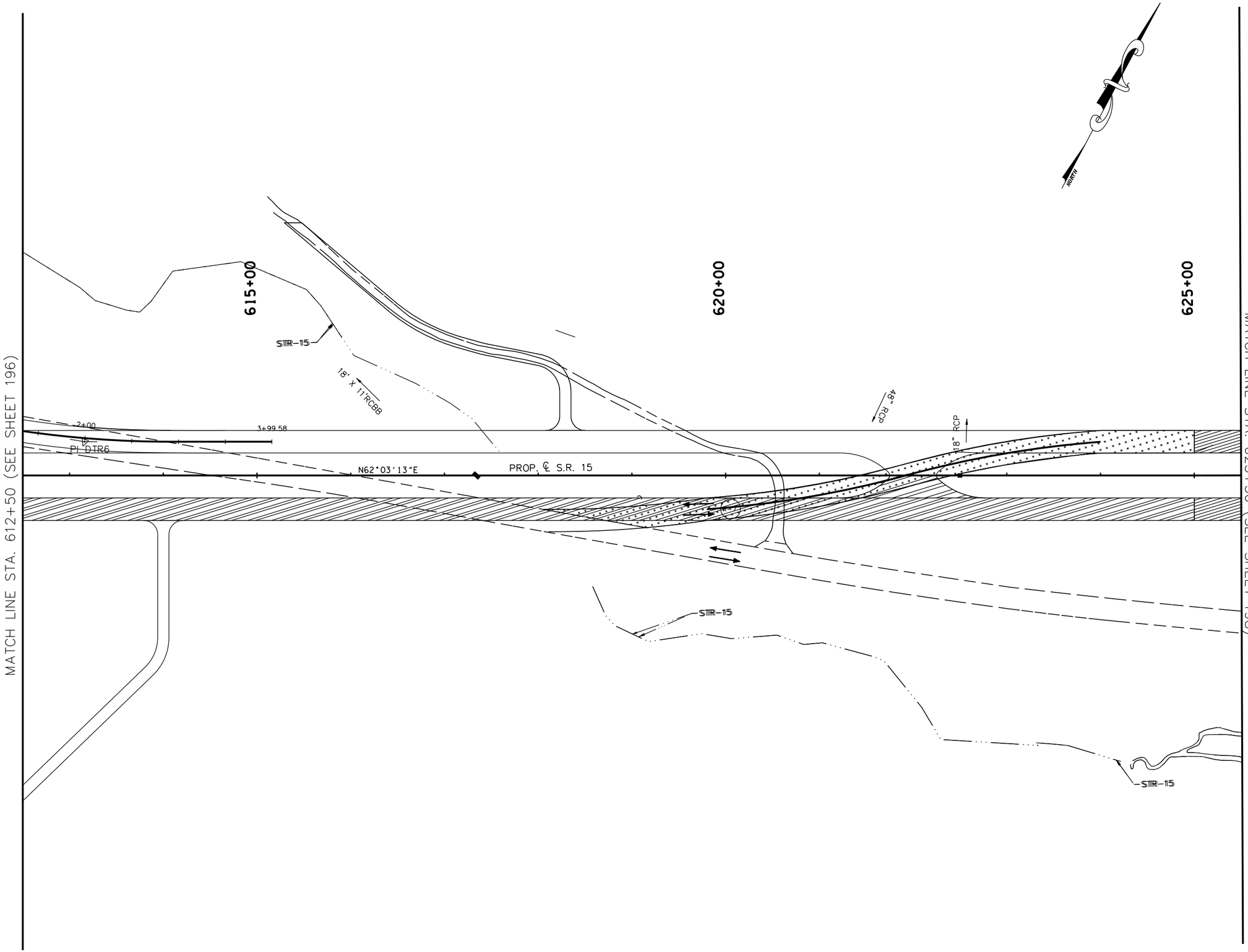
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	228
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II
STA. 612+50 TO 625+50
SCALE: 1" = 50'

8/16/2014
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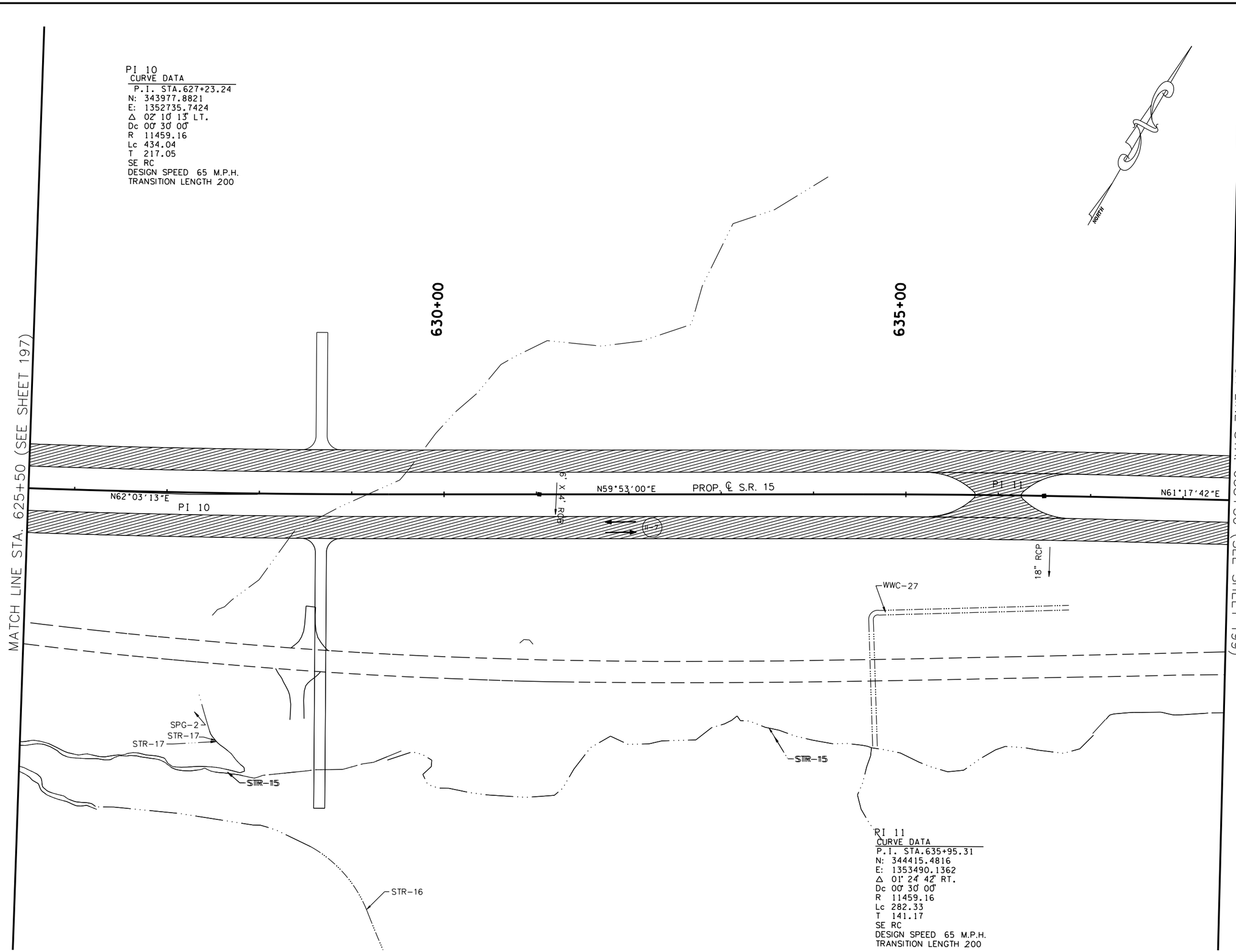
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	229
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

STA. 625+50 TO 638+50
SCALE: 1" = 50'

8/16/2014
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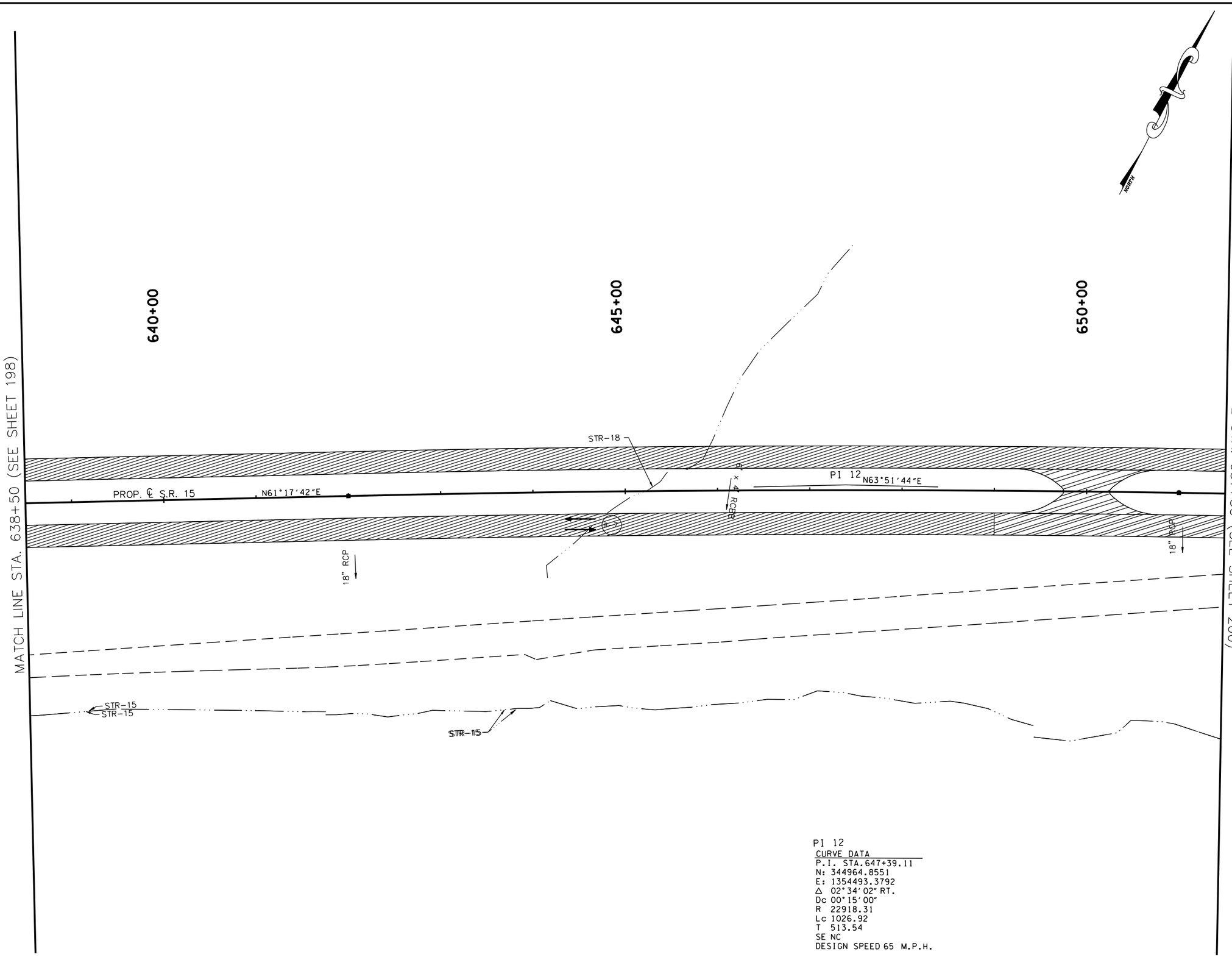
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	230
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



PI 12
CURVE DATA
P.I. STA.647+39.11
N: 344964.8551
E: 1354493.3792
Δ 02°34'02" RT.
Dc 00°15'00"
R 22918.31
Lc 1026.92
T 513.54
SE NC
DESIGN SPEED 65 M.P.H.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II
STA. 638+50 TO 651+50
SCALE: 1" = 50'

8/16/2014
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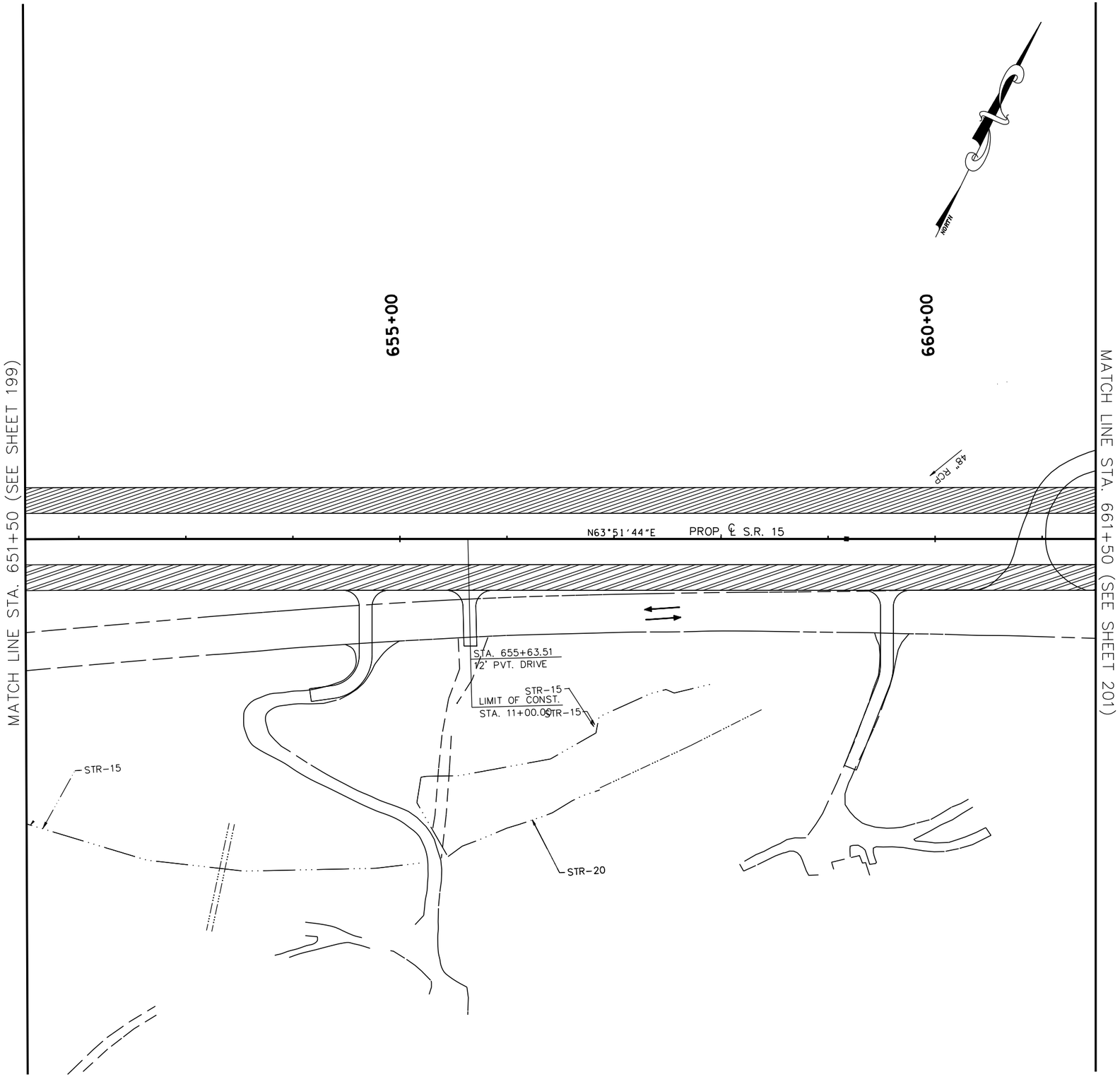
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	231
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

STA. 651+50 TO 661+50
SCALE: 1" = 50'

8/6/2014
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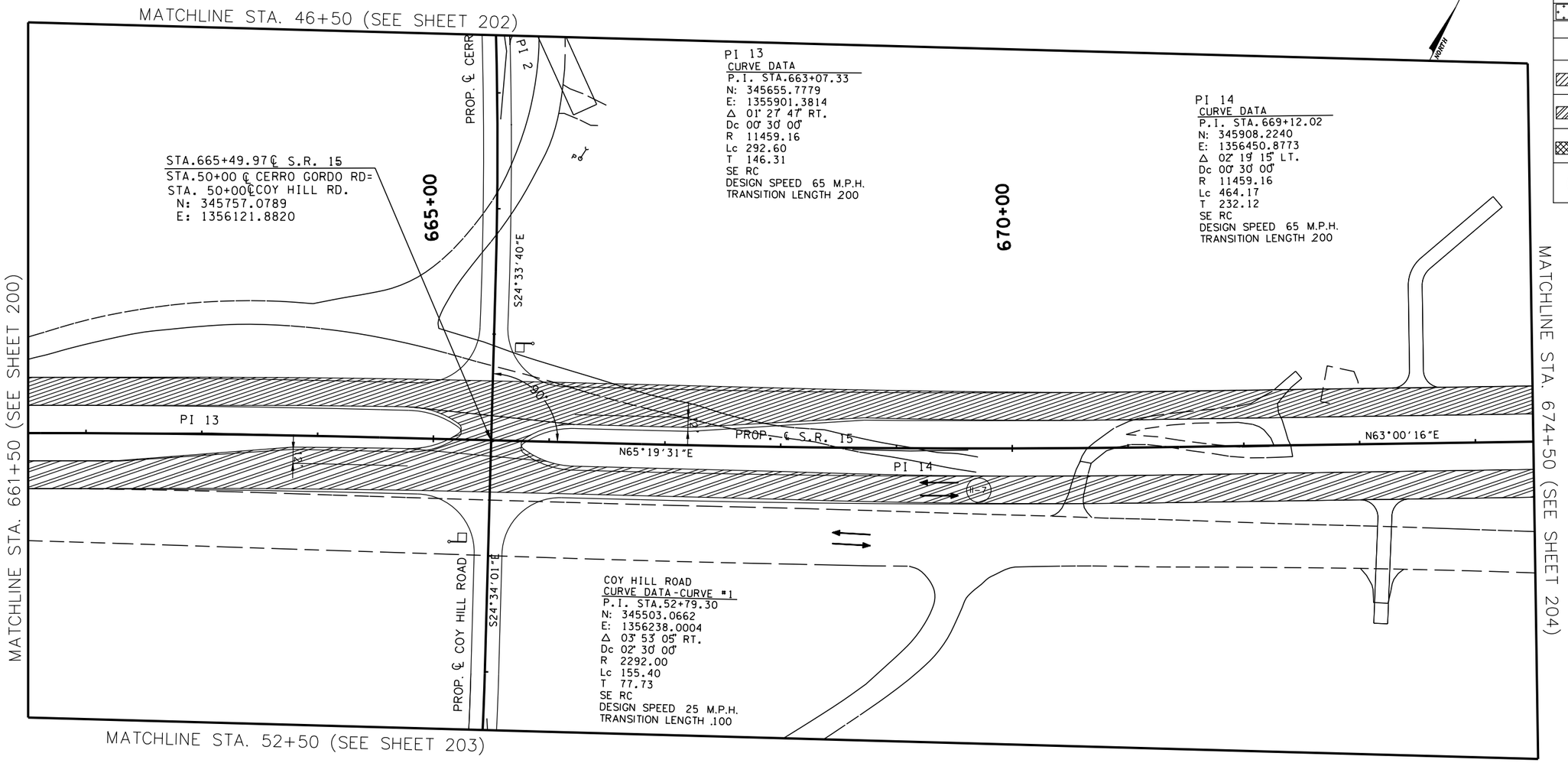
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	232
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

STA. 661+50 TO 674+50
SCALE: 1" = 50'

8/6/2014
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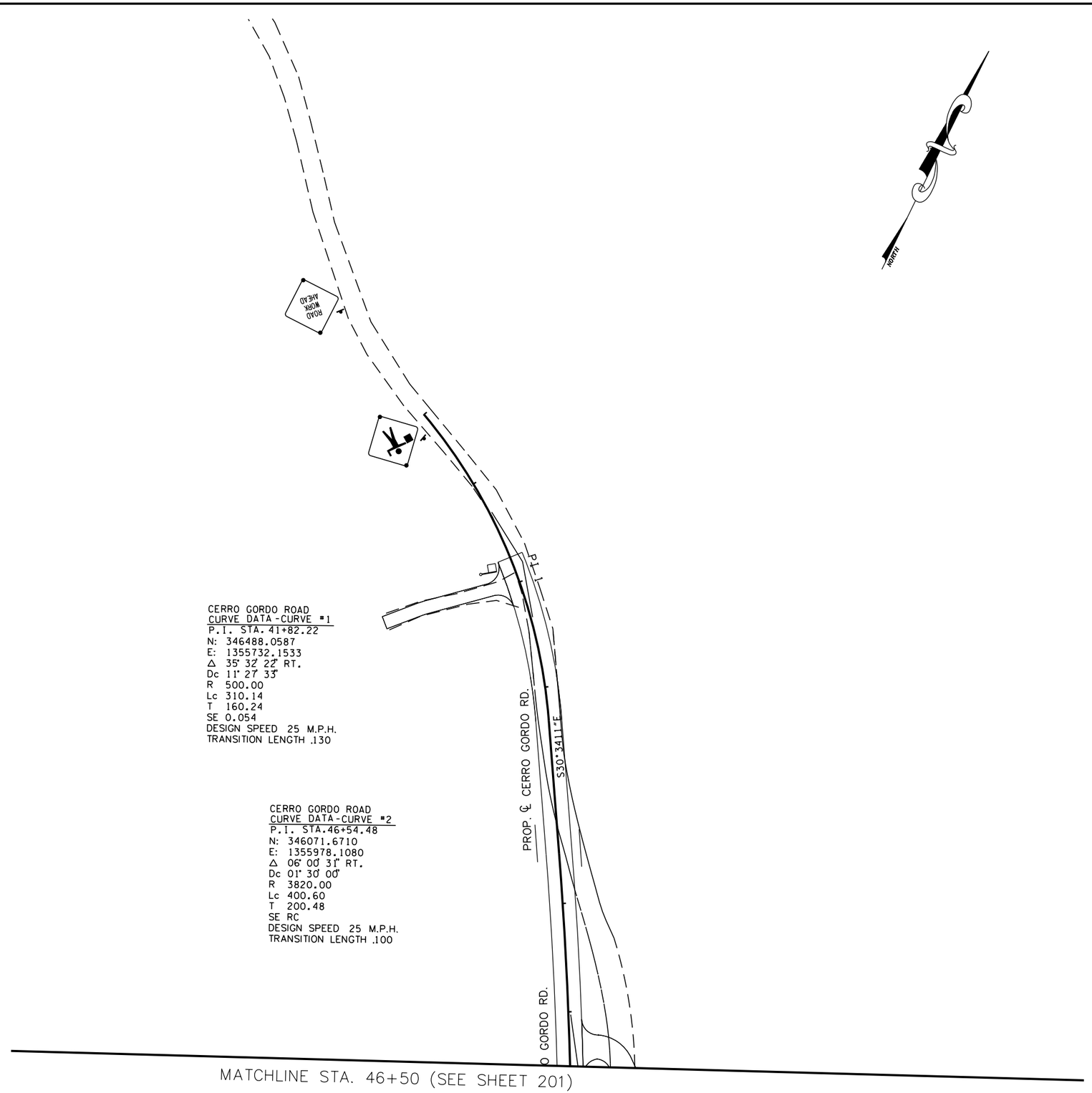
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	233
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



CERRO GORDO ROAD
CURVE DATA-CURVE #1
P.I. STA. 41+82.22
N: 346488.0587
E: 1355732.1533
Δ 35° 32' 22" RT.
Dc 11° 27' 33"
R 500.00
Lc 310.14
T 160.24
SE 0.054
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH .130

CERRO GORDO ROAD
CURVE DATA-CURVE #2
P.I. STA.46+54.48
N: 346071.6710
E: 1355978.1080
Δ 06° 00' 31" RT.
Dc 01° 30' 00"
R 3820.00
Lc 400.60
T 200.48
SE RC
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH .100

BIRDEL F. JACKSON II
STATE OF TENNESSEE

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
TRAFFIC CONTROL PLAN
PHASE II
CERRO GORDO ROAD
SCALE: 1" = 50'

8/16/2014
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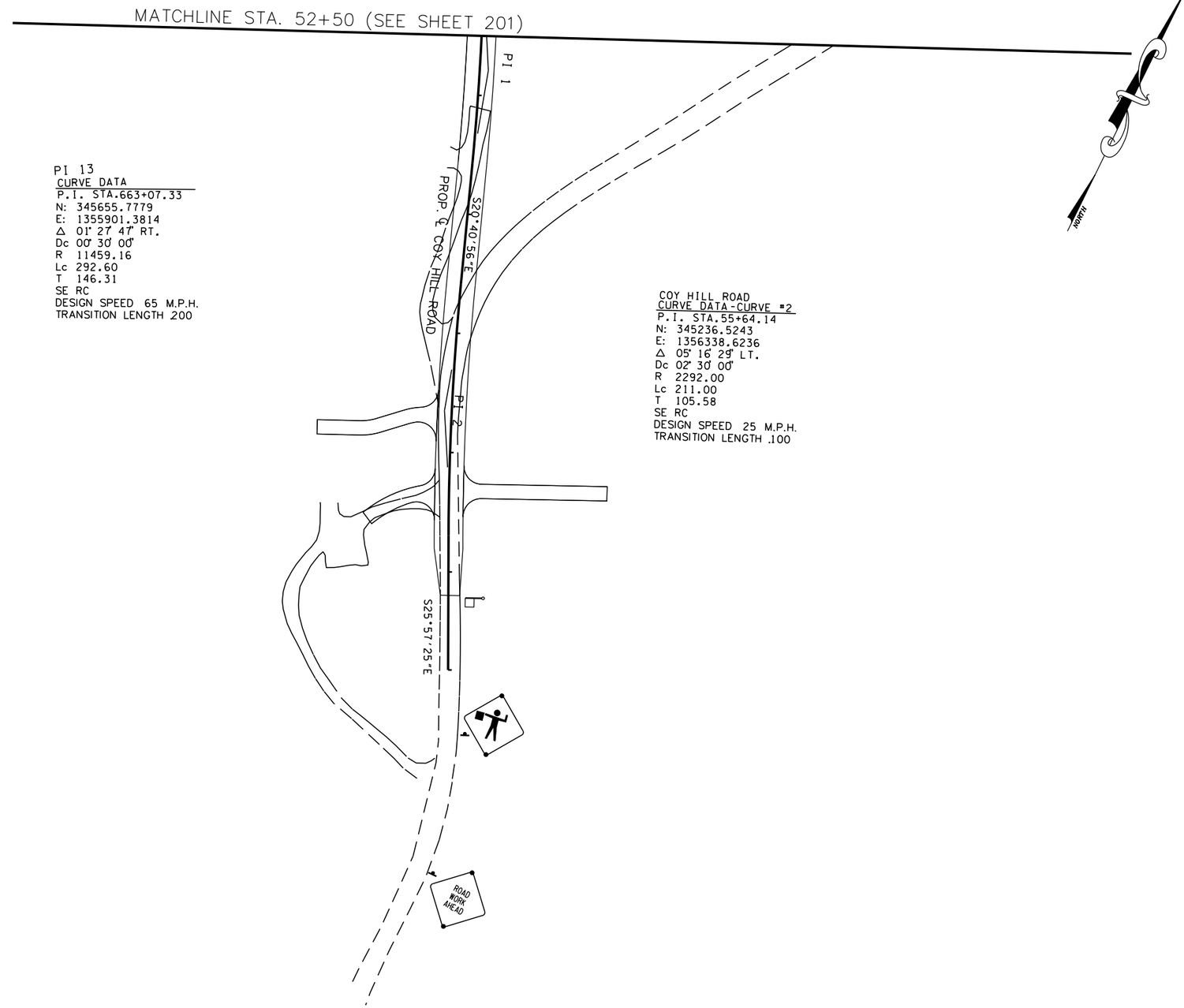
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	234
CONST	2014	36001-3290-14	



PI 13
CURVE DATA
P.I. STA.663+07.33
N: 345655.7779
E: 1355901.3814
Δ 01° 27' 47" RT.
Dc 00° 30' 00"
R 11459.16
Lc 292.60
T 146.31
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

COY HILL ROAD
CURVE DATA-CURVE #2
P.I. STA.55+64.14
N: 345236.5243
E: 1356338.6236
Δ 05° 16' 29" LT.
Dc 02° 30' 00"
R 2292.00
Lc 211.00
T 105.58
SE RC
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH 100

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

COY HILL ROAD
SCALE: 1" = 50'

8/16/2014
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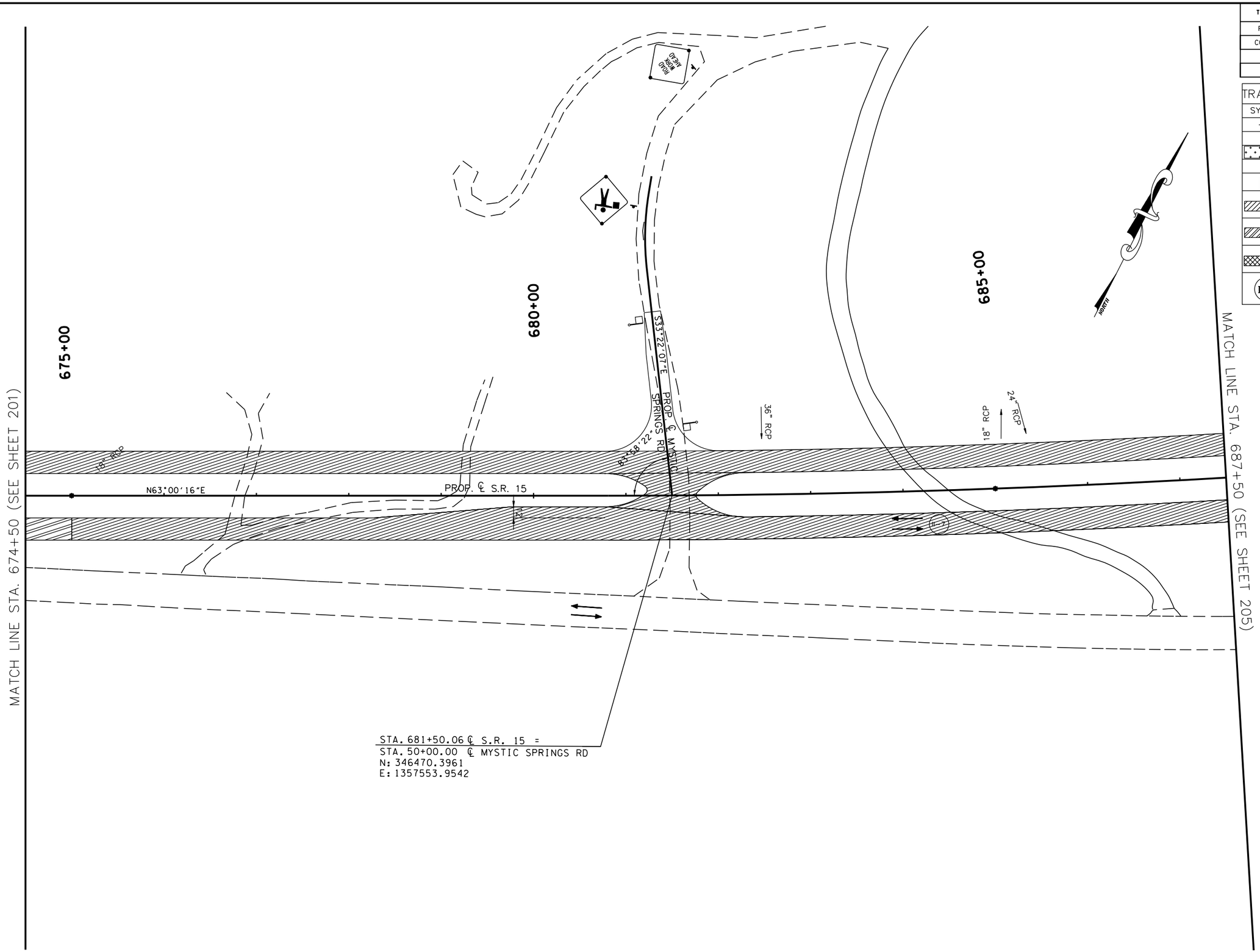
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	235
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II
STA. 674+50 TO 687+50
SCALE: 1" = 50'

8/16/2014
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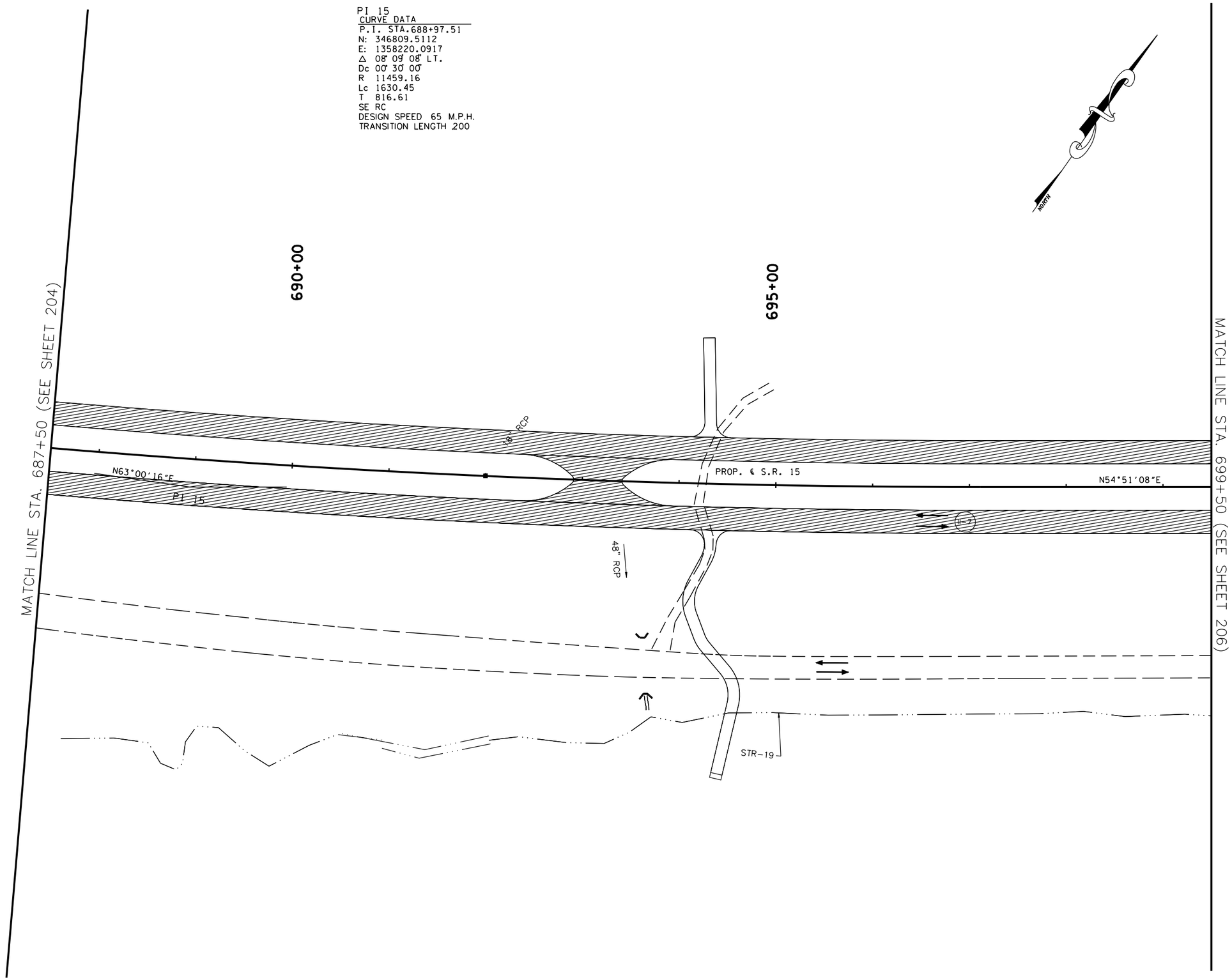
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	236
CONST	2014	36001-3290-14	

PI 15
CURVE DATA
P.I. STA.688+97.51
N: 346809.5112
E: 1358220.0917
Δ 08° 09' 08" LT.
Dc 00° 30' 00"
R 11459.16
Lc 1630.45
T 816.61
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II
STA. 687+50 TO 699+50
SCALE: 1" = 50'

8/16/2014
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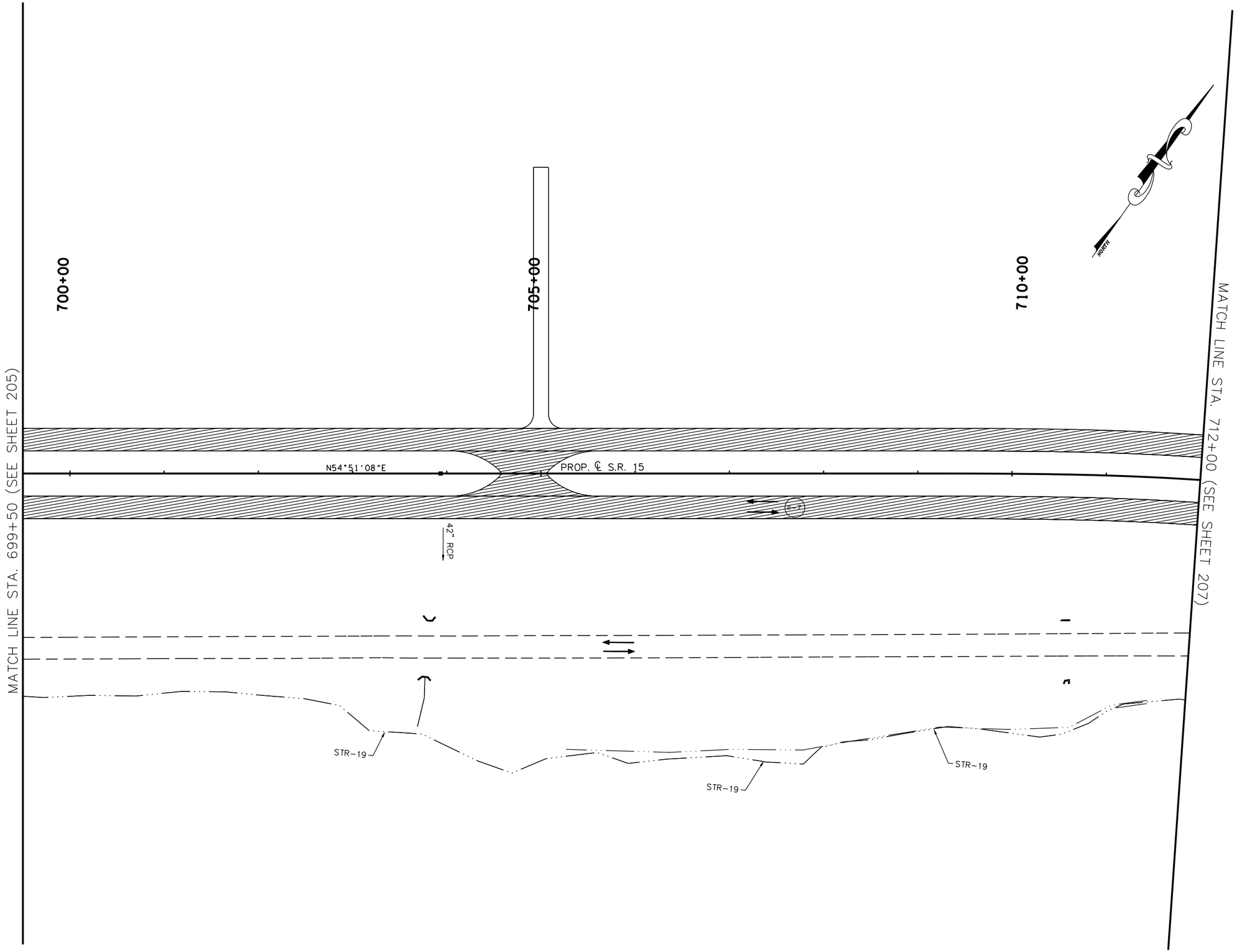
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	237
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II
STA. 699+50 TO 712+00
SCALE: 1" = 50'

8/6/2014
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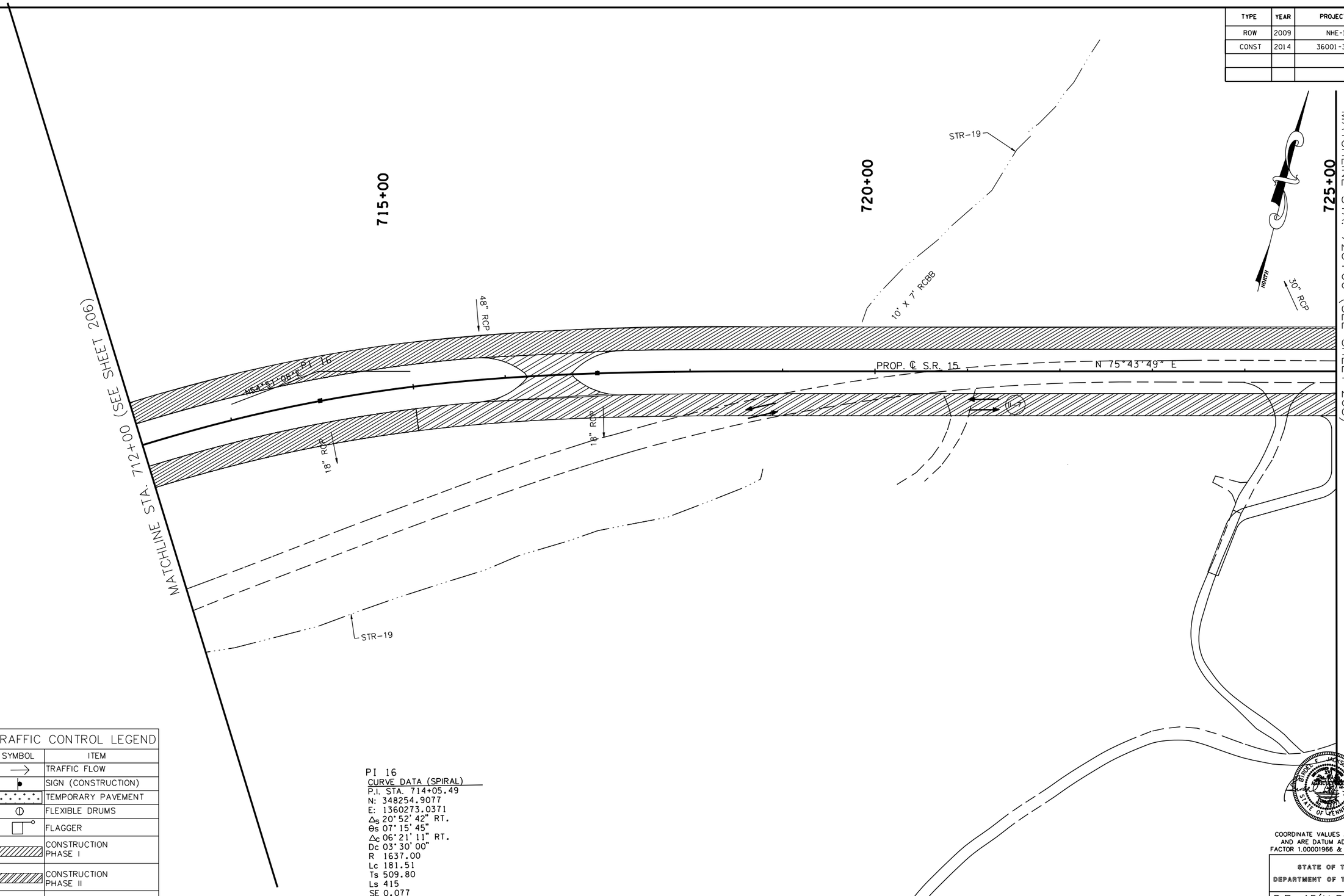
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	238
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

PI 16
CURVE DATA (SPIRAL)
P.I. STA. 714+05.49
N: 348254.9077
E: 1360273.0371
Δ_s 20° 52' 42" RT.
θ_s 07° 15' 45"
Δ_c 06° 21' 11" RT.
Dc 03° 30' 00"
R 1637.00
Lc 181.51
Ts 509.80
Ls 415
SE 0.077
DESIGN SPEED 65 M.P.H.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II
STA. 712+00 TO 725+00
SCALE: 1" = 50'

8/16/2014
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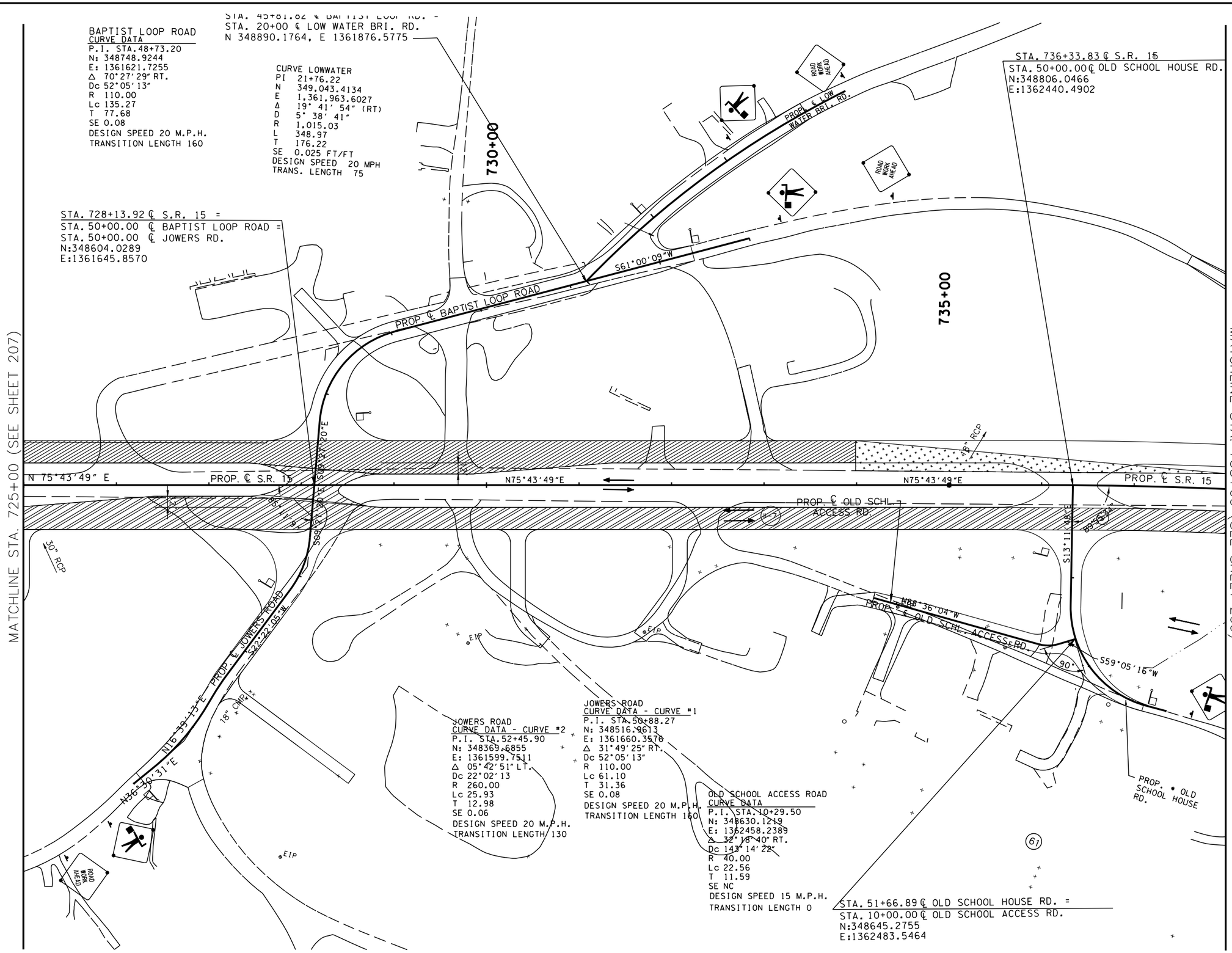
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	239
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

NORTH

COORDINATE VALUES ARE NAD/B3(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

STA. 725+00 TO 738+00
SCALE: 1" = 50'

8/16/2014
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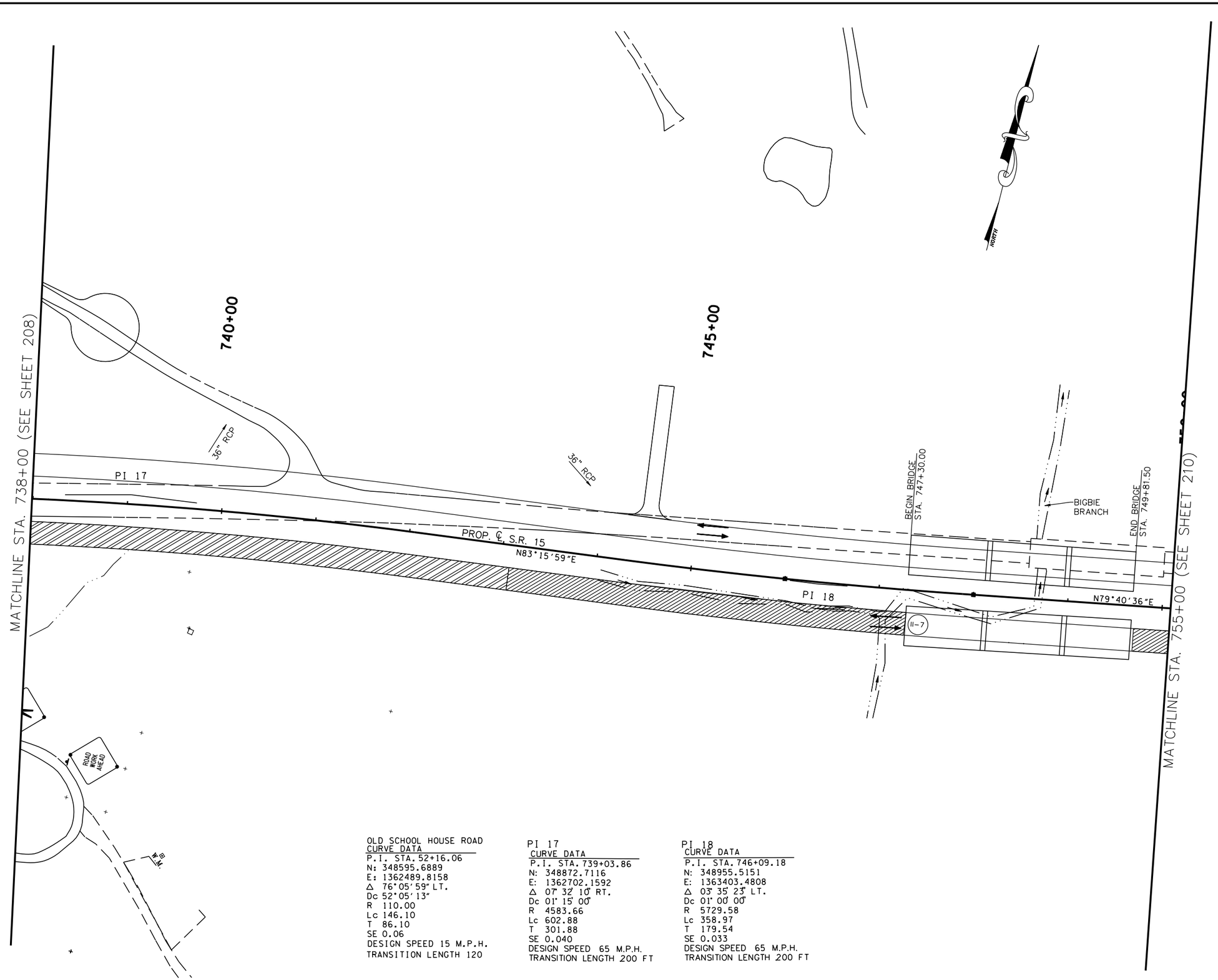
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	240
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



OLD SCHOOL HOUSE ROAD
CURVE DATA
P.I. STA. 52+16.06
N: 348595.6889
E: 1362489.8158
Δ 76°05'59" LT.
Dc 52°05'13"
R 110.00
Lc 146.10
T 86.10
SE 0.06
DESIGN SPEED 15 M.P.H.
TRANSITION LENGTH 120

PI 17
CURVE DATA
P.I. STA. 739+03.86
N: 348872.7116
E: 1362702.1592
Δ 07° 32' 10" RT.
Dc 01° 15' 00"
R 4583.66
Lc 602.88
T 301.88
SE 0.040
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

PI 18
CURVE DATA
P.I. STA. 746+09.18
N: 348955.5151
E: 1363403.4808
Δ 03° 35' 23" LT.
Dc 01° 00' 00"
R 5729.58
Lc 358.97
T 179.54
SE 0.033
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II
STA. 738+00 TO 750+00
SCALE: 1" = 50'

8/16/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	241
CONST	2014	36001-3290-14	

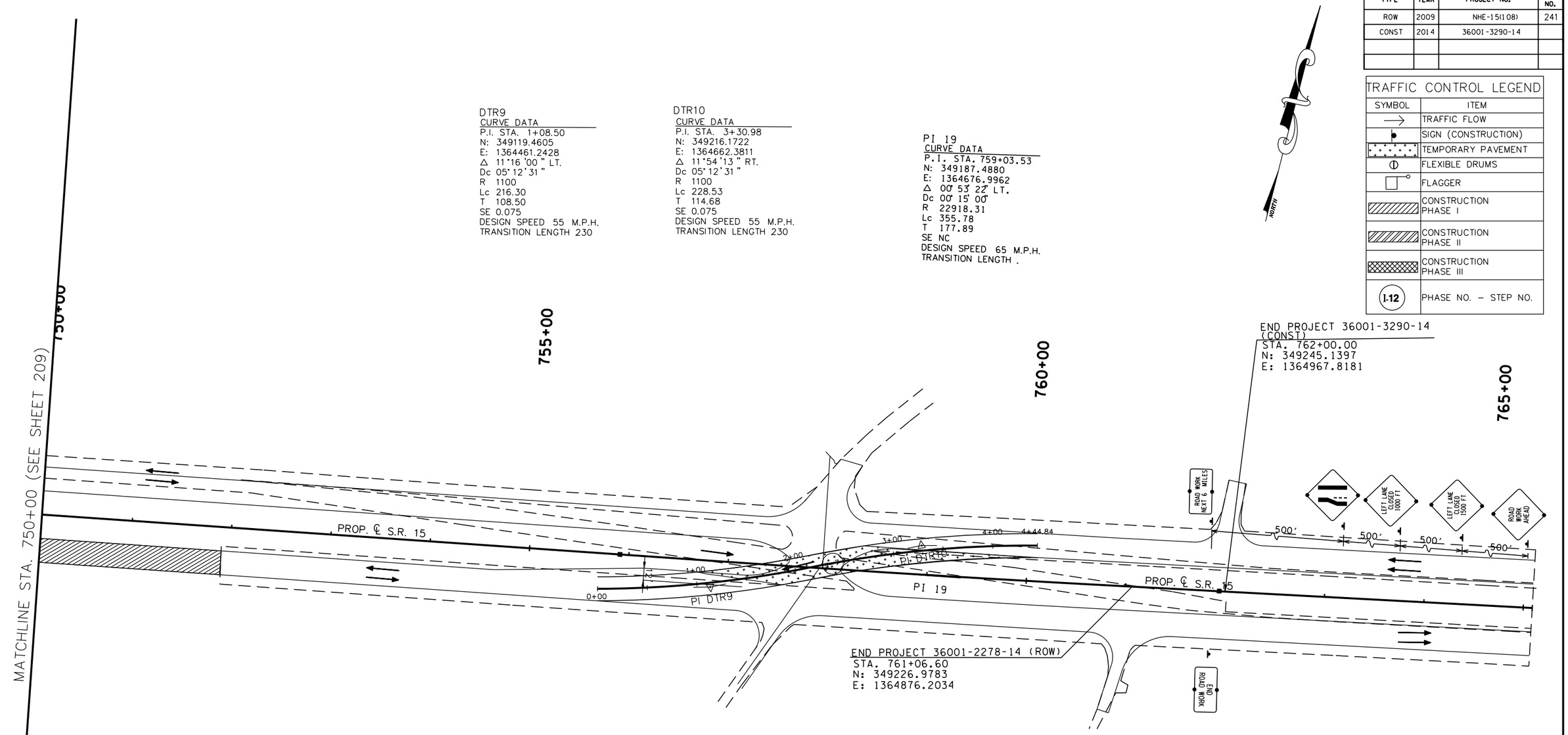
TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

DTR9
CURVE DATA
P.I. STA. 1+08.50
N: 349119.4605
E: 1364461.2428
Δ 11°16'00" LT.
Dc 05°12'31"
R 1100
Lc 216.30
T 108.50
SE 0.075
DESIGN SPEED 55 M.P.H.
TRANSITION LENGTH 230

DTR10
CURVE DATA
P.I. STA. 3+30.98
N: 349216.1722
E: 1364662.3811
Δ 11°54'13" RT.
Dc 05°12'31"
R 1100
Lc 228.53
T 114.68
SE 0.075
DESIGN SPEED 55 M.P.H.
TRANSITION LENGTH 230

PI 19
CURVE DATA
P.I. STA. 759+03.53
N: 349187.4880
E: 1364676.9962
Δ 00°53'22" LT.
Dc 00°15'00"
R 22918.31
Lc 355.78
T 177.89
SE NC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH .



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE II

750+00 TO E.O.P.
SCALE: 1" = 50'

8/16/2014
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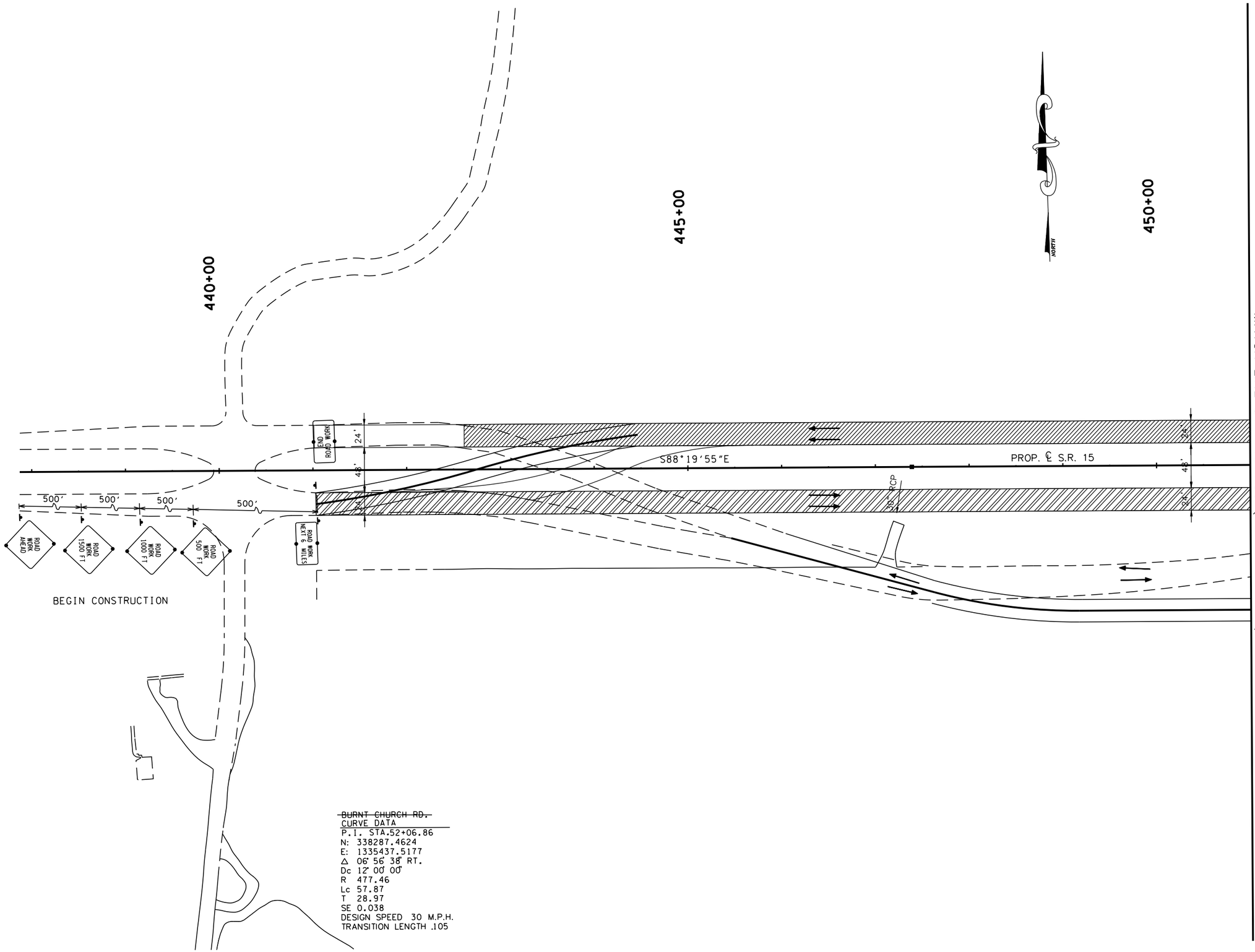
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	242
CONST	2014	36001-3290-14	



~~BURNT CHURCH RD.~~
CURVE DATA
P.I. STA.52+06.86
N: 338287.4624
E: 1335437.5177
Δ 06° 56' 38" RT.
Dc 12° 00' 00"
R 477.46
Lc 57.87
T 28.97
SE 0.038
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .105

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

PHASE III CONSTRUCTION

1. CONSTRUCT THE WESTBOUND LANES OF SR15 FROM STA. 482+50 TO STA. 625+00 AND FROM STA.734+00 TO THE END OF THE JOB.
2. CONSTRUCT WESTBOUND BRIDGE AT BIGBEE BRANCH.
3. CONSTRUCT ALL CROSS DRAINS UNDER THE PROPOSED ROADWAY WITHIN THE LIMITS DESCRIBED.
4. CONSTRUCT ALL DRIVEWAYS AND SIDE ROADS THAT TIE TO THE NEW LANES.
5. STRIPE 4" WHITE LINES AS SHOWN.
6. DIVERT EXISTING WESTBOUND TRAFFIC TO THE NEW WESTBOUND LANES FROM THE BEGNNING OF JOB TO THE END OF JOB.
7. DIVERT EASTBOUND TRAFFIC TO THE NEW EASTBOUND LANE FROM THE BEGINNING OF JOB TO THE END OF JOB.
8. INSTALL PERMANENT SIGNS AS SHOWN.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III

STA. 421+00 TO 451+00
SCALE: 1" = 50'

8/16/2014
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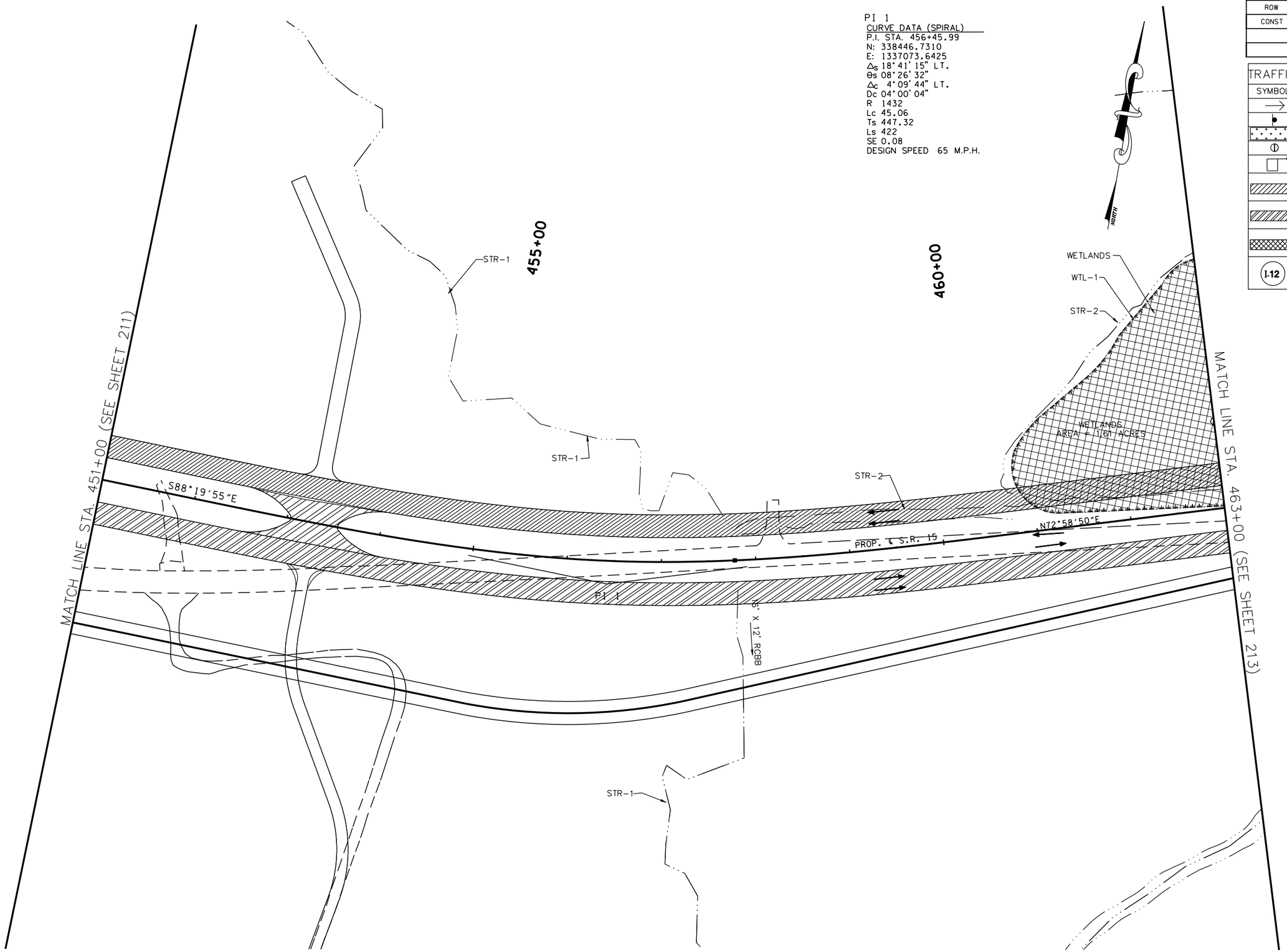
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	243
CONST	2014	36001-3290-14	

PI 1
CURVE DATA (SPIRAL)
P.I. STA. 456+45.99
N: 338446.7310
E: 1337073.6425
Δ_s 18° 41' 15" LT.
θ_s 08° 26' 32"
Δ_c 4° 09' 44" LT.
Dc 04° 00' 04"
R 1432
Lc 45.06
Ts 447.32
Ls 422
SE 0.08
DESIGN SPEED 65 M.P.H.



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

BRIDGET E. JACKSON
STATE OF TENNESSEE
8/16/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III

STA. 451+00 TO 463+00
SCALE: 1" = 50'

8/16/2014
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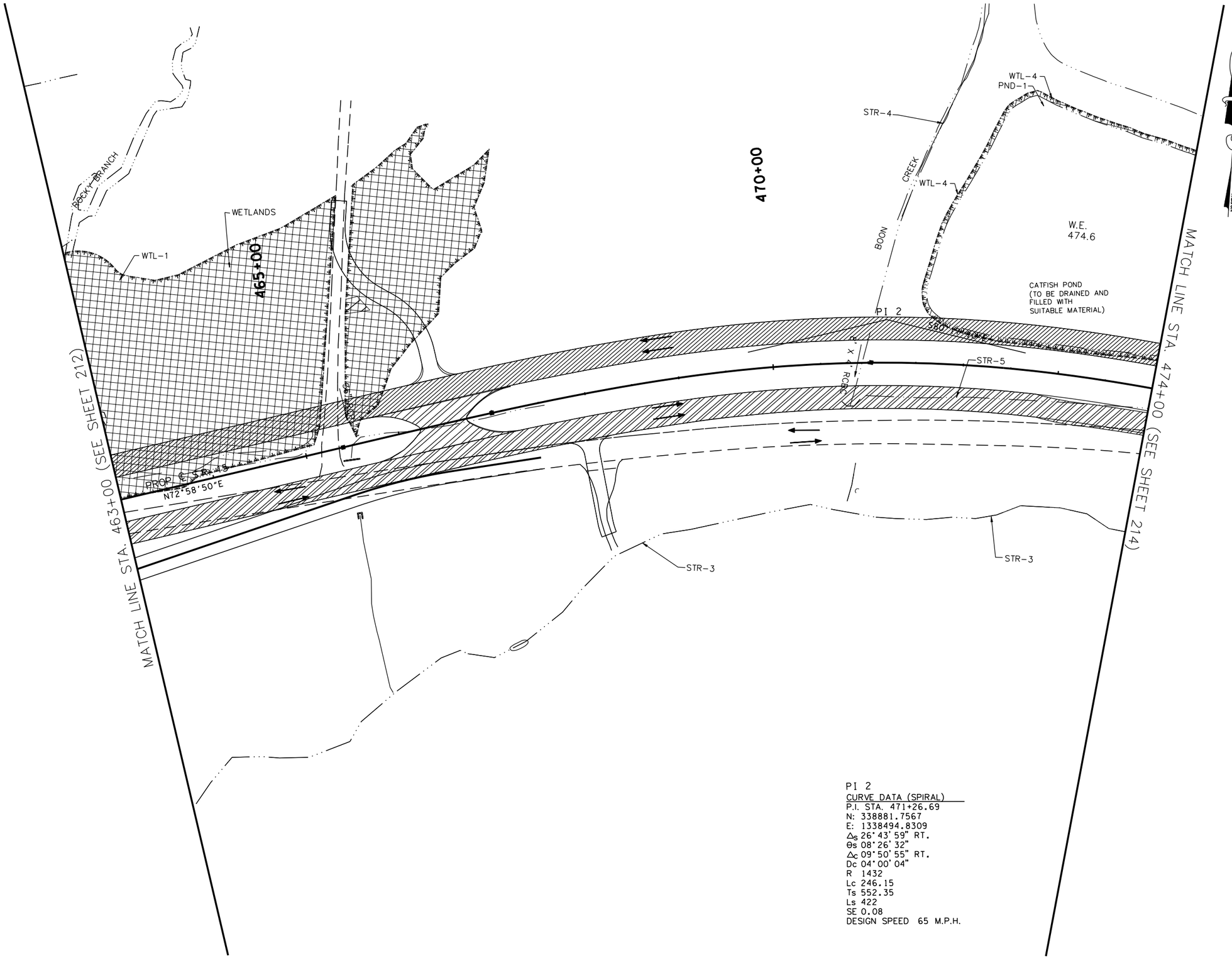
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	244
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

PI 2
CURVE DATA (SPIRAL)
P.I. STA. 471+26.69
N: 338881.7567
E: 1338494.8309
Δ_S 26°43'59" RT.
θ_S 08°26'32"
Δ_C 09°50'55" RT.
Dc 04°00'04"
R 1432
Lc 246.15
Ts 552.35
Ls 422
SE 0.08
DESIGN SPEED 65 M.P.H.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III
STA. 463+00 TO 474+00
SCALE: 1" = 50'

8/16/2014
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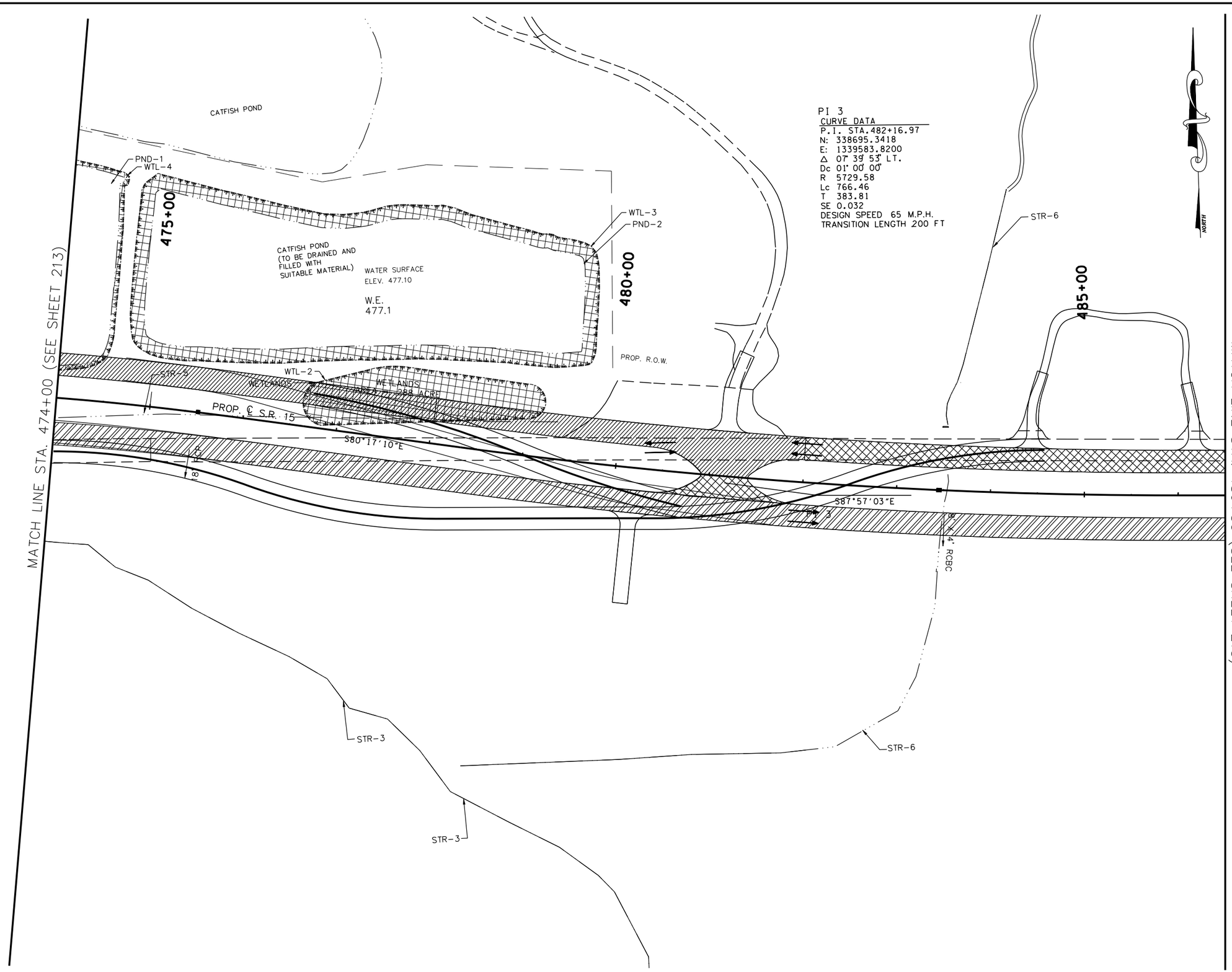
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	245
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III

STA. 474+00 TO 486+50
SCALE: 1" = 50'

8/16/2014
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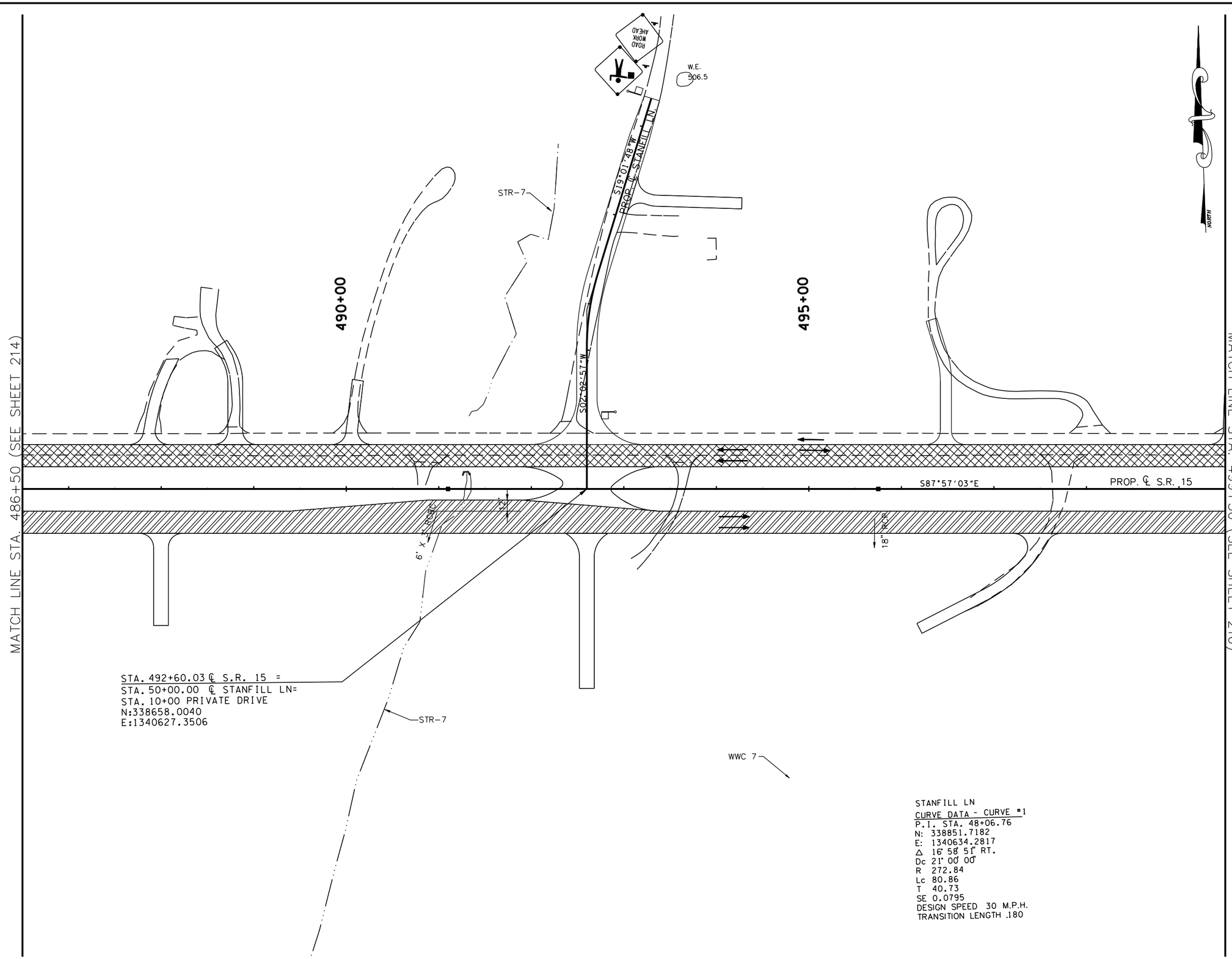
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	246
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



STANFILL LN
CURVE DATA - CURVE #1
P.I. STA. 48+06.76
N: 338851.7182
E: 1340634.2817
Δ 16° 58' 51" RT.
Dc 21° 00' 00"
R 272.84
Lc 80.86
T 40.73
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .180

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III

STA. 486+50 TO 499+50
SCALE: 1" = 50'

8/16/2014
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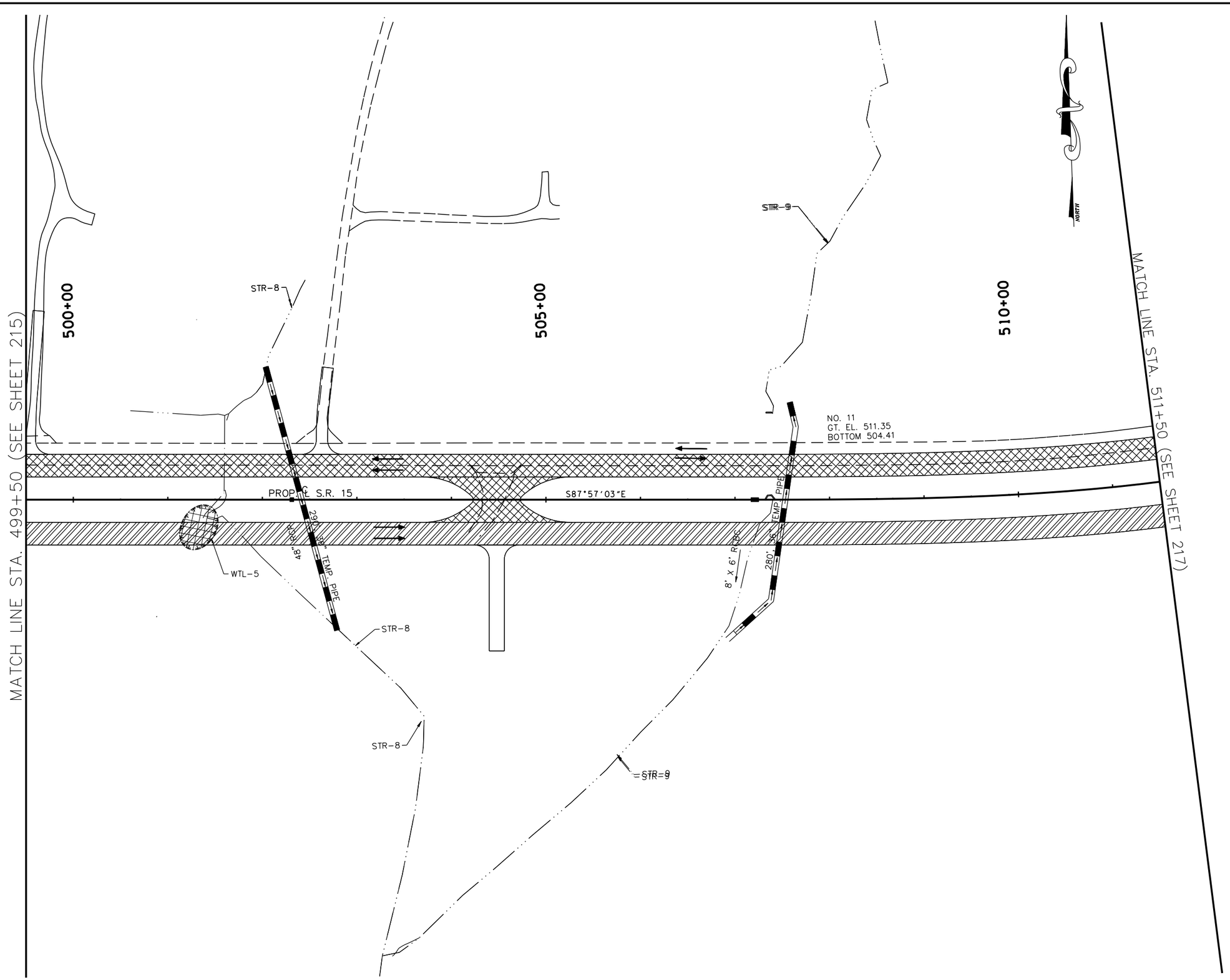
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	247
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

BRIDGE F. JACKSON, JR. 112 STATE OF TENNESSEE 2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III

STA. 499+50 TO 511+50
SCALE: 1" = 50'

8/16/2014
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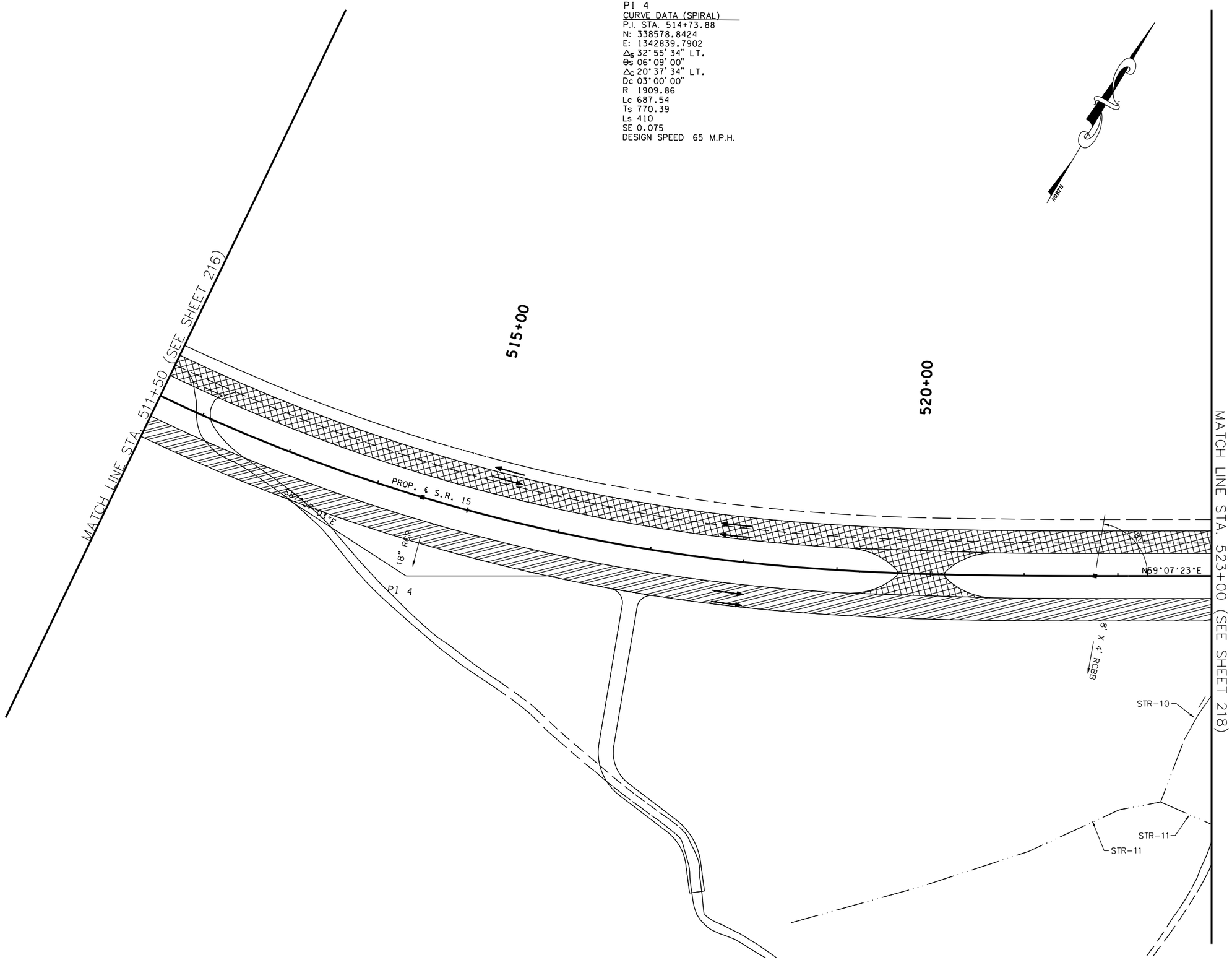
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

PI 4
CURVE DATA (SPIRAL)
P.I. STA. 514+73.88
N: 338578.8424
E: 1342839.7902
Δ_s 32°55'34" LT.
θ_s 06°09'00"
Δ_c 20°37'34" LT.
Dc 03°00'00"
R 1909.86
Lc 687.54
Ts 770.39
Ls 410
SE 0.075
DESIGN SPEED 65 M.P.H.



TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	248
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III

STA. 511+50 + 523+00
SCALE: 1" = 50'

8/6/2014
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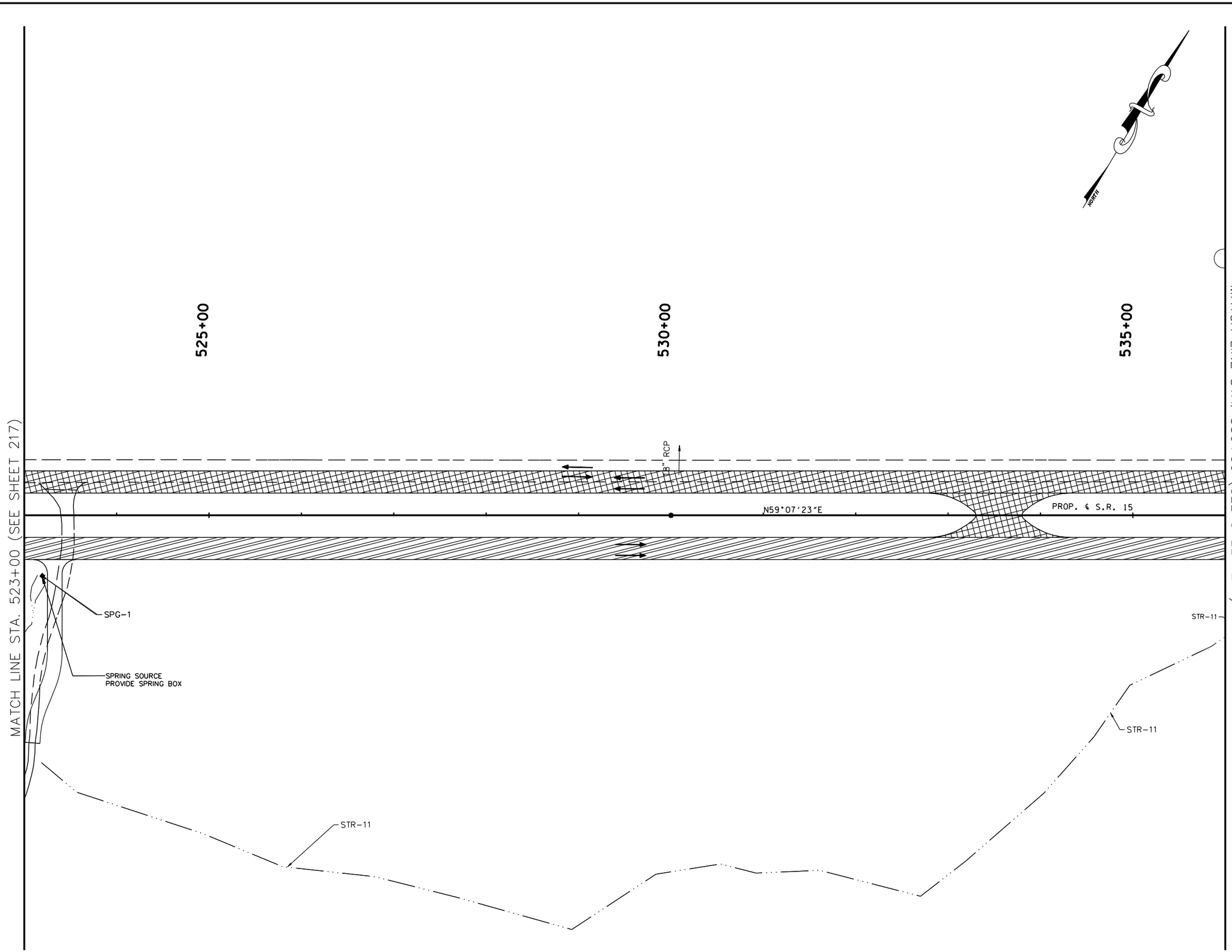
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	249
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III

STA. 523+00 TO 536+00
SCALE: 1" = 50'

8/16/2014
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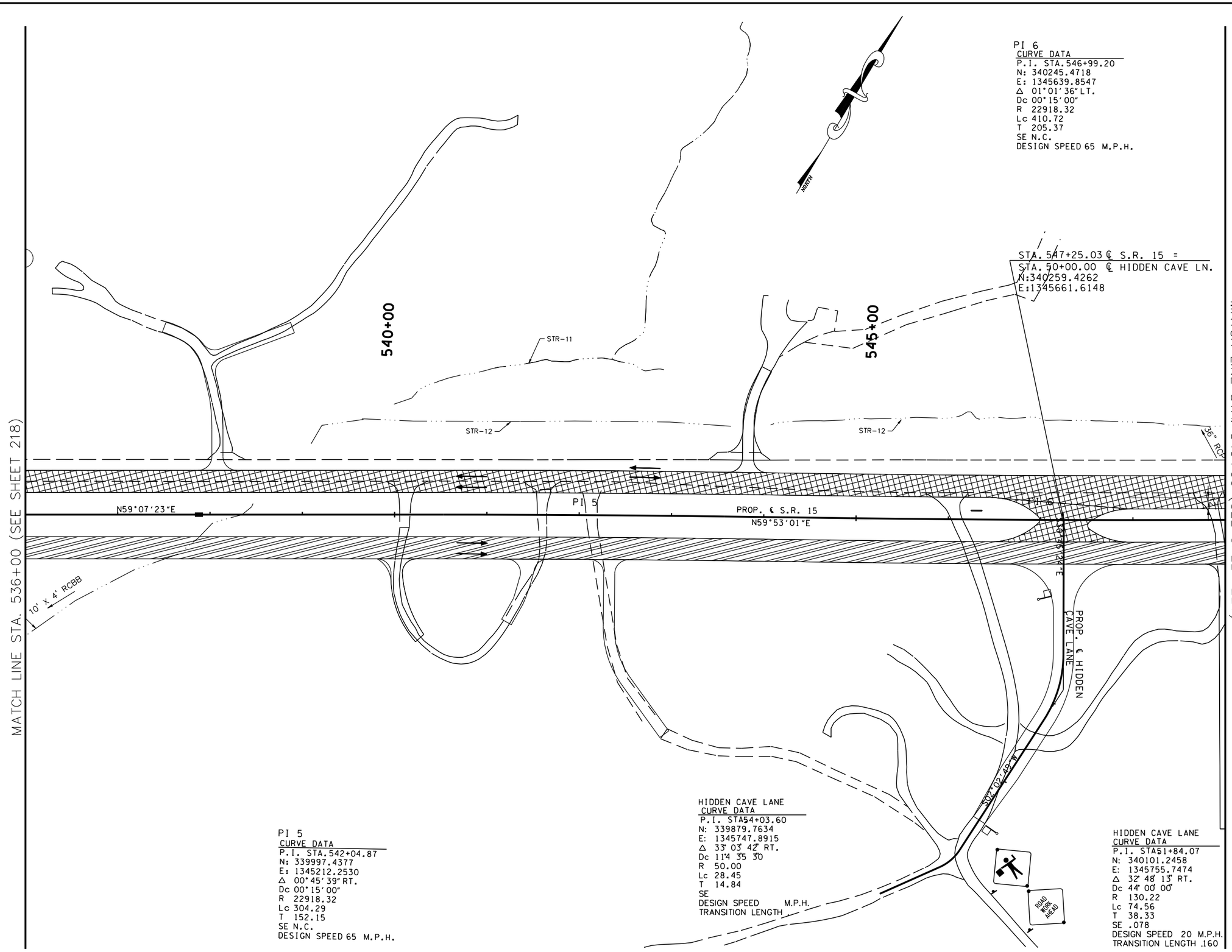
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	250
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



PI 6
CURVE DATA
P.I. STA.546+99.20
N: 340245.4718
E: 1345639.8547
Δ 01°01'36" LT.
Dc 00°15'00"
R 22918.32
Lc 410.72
T 205.37
SE N.C.
DESIGN SPEED 65 M.P.H.

STA. 547+25.03 ℄ S.R. 15 =
STA. 50+00.00 ℄ HIDDEN CAVE LN.
N:340259.4262
E:1345661.6148

PI 5
CURVE DATA
P.I. STA.542+04.87
N: 339997.4377
E: 1345212.2530
Δ 00°45'39" RT.
Dc 00°15'00"
R 22918.32
Lc 304.29
T 152.15
SE N.C.
DESIGN SPEED 65 M.P.H.

HIDDEN CAVE LANE
CURVE DATA
P.I. STA54+03.60
N: 339879.7634
E: 1345747.8915
Δ 33°03'42" RT.
Dc 114°35'30"
R 50.00
Lc 28.45
T 14.84
SE
DESIGN SPEED M.P.H.
TRANSITION LENGTH

HIDDEN CAVE LANE
CURVE DATA
P.I. STA51+84.07
N: 340101.2458
E: 1345755.7474
Δ 32°48'13" RT.
Dc 44°00'00"
R 130.22
Lc 74.56
T 38.33
SE .078
DESIGN SPEED 20 M.P.H.
TRANSITION LENGTH .160

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III

STA. 536+00 TO 549+00
SCALE: 1" = 50'

8/16/2014
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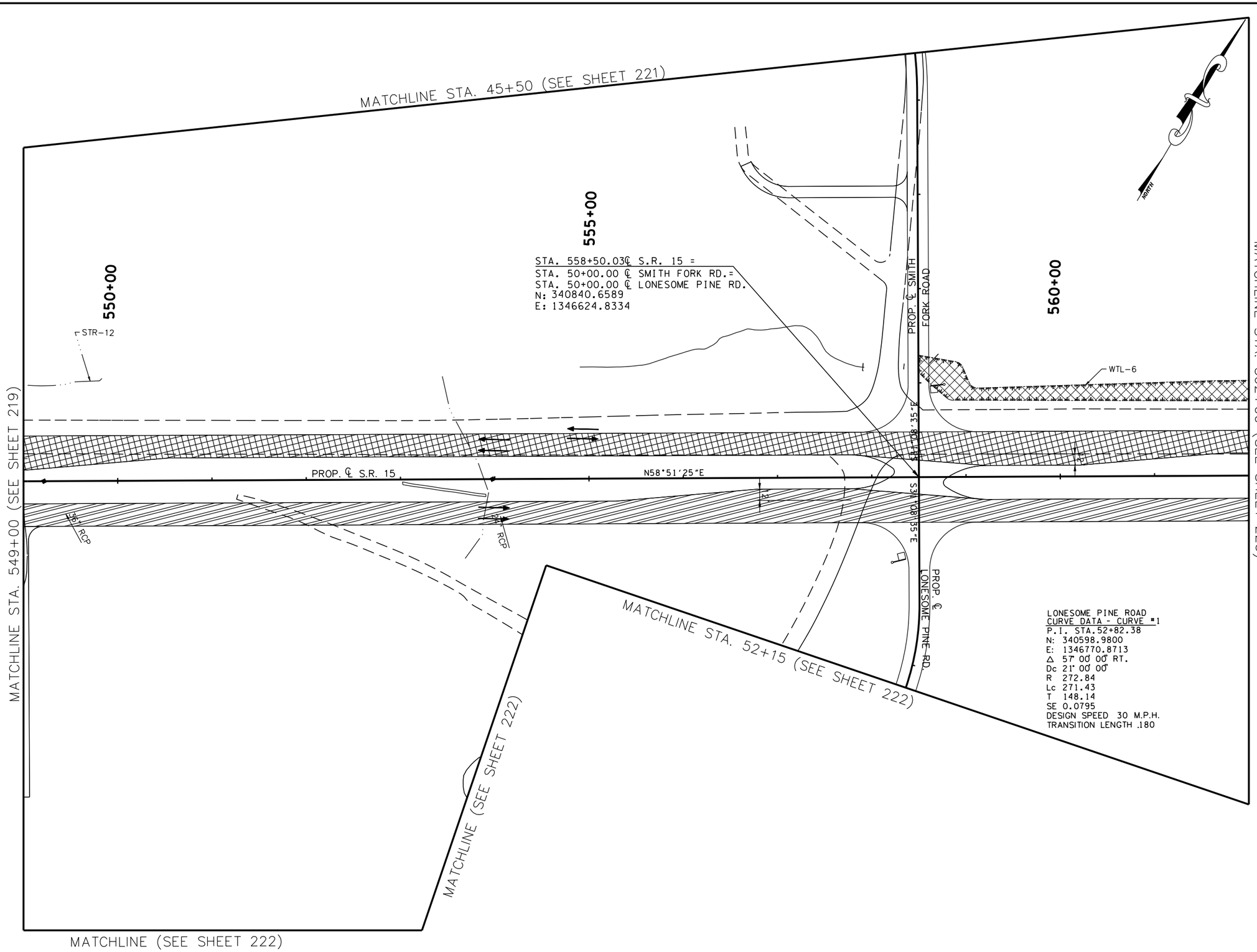
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	251
CONST	2014	36001-3290-14	



LONESOME PINE ROAD
CURVE DATA - CURVE #1
P.I. STA.52+82.38
N: 340598.9800
E: 1346770.8713
Δ 57° 00' 00" RT.
Dc 21° 00' 00"
R 272.84
Lc 271.43
T 148.14
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .180

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

BRIDGET F. JACKSON
ARCHITECT
STATE OF TENNESSEE
8/16/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
TRAFFIC CONTROL
PLAN
PHASE III

STA. 549+00 TO 562+00
SCALE: 1" = 50'

8/16/2014
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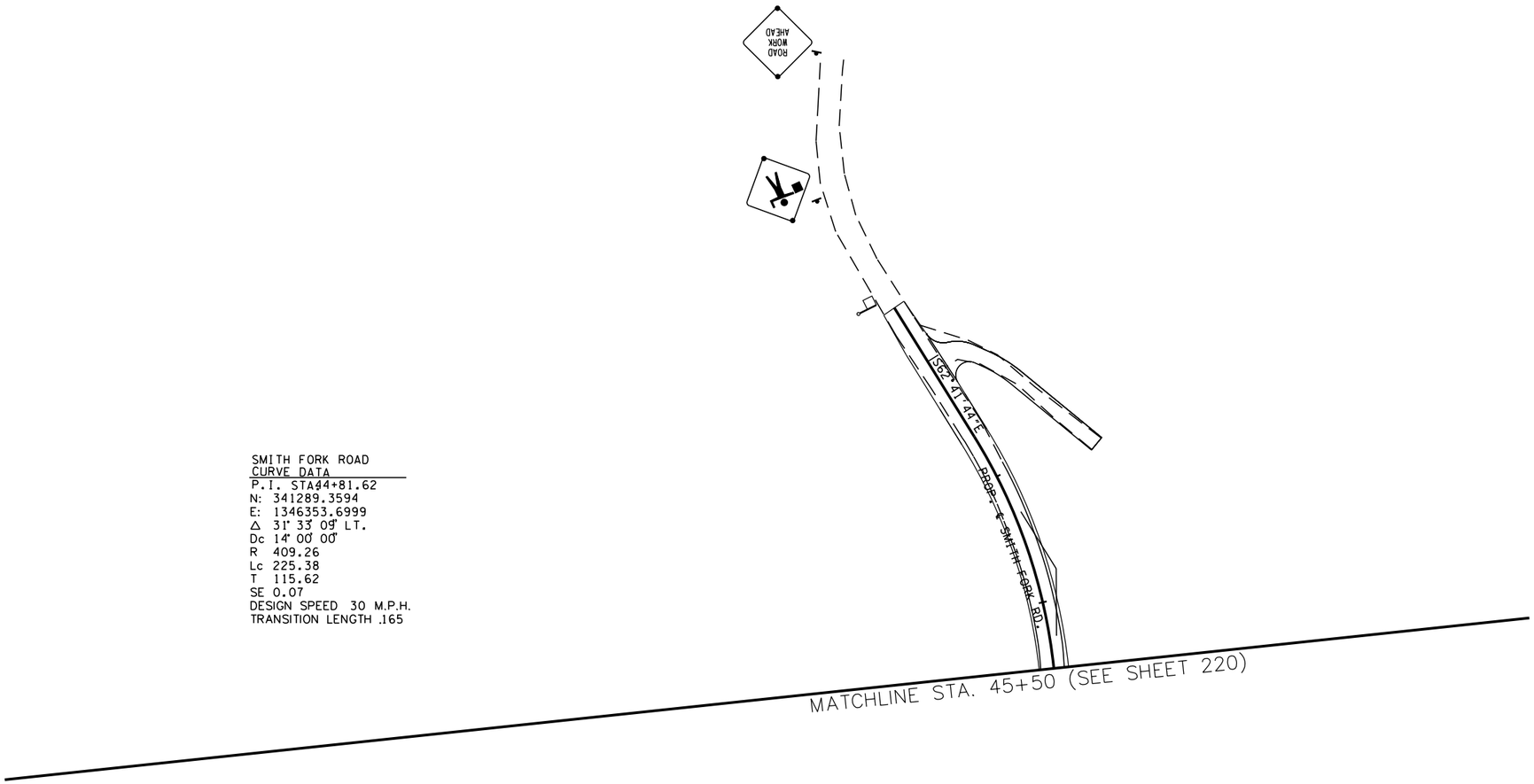
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	252
CONST	2014	36001-3290-14	



SMITH FORK ROAD
CURVE DATA

P.I. STA44+81.62
N: 341289.3594
E: 1346353.6999
Δ 31° 33' 09" LT.
Dc 14° 00' 00"
R 409.26
Lc 225.38
T 115.62
SE 0.07
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .165

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III

SMITH FORK ROAD
SCALE: 1" = 50'

8/6/2014
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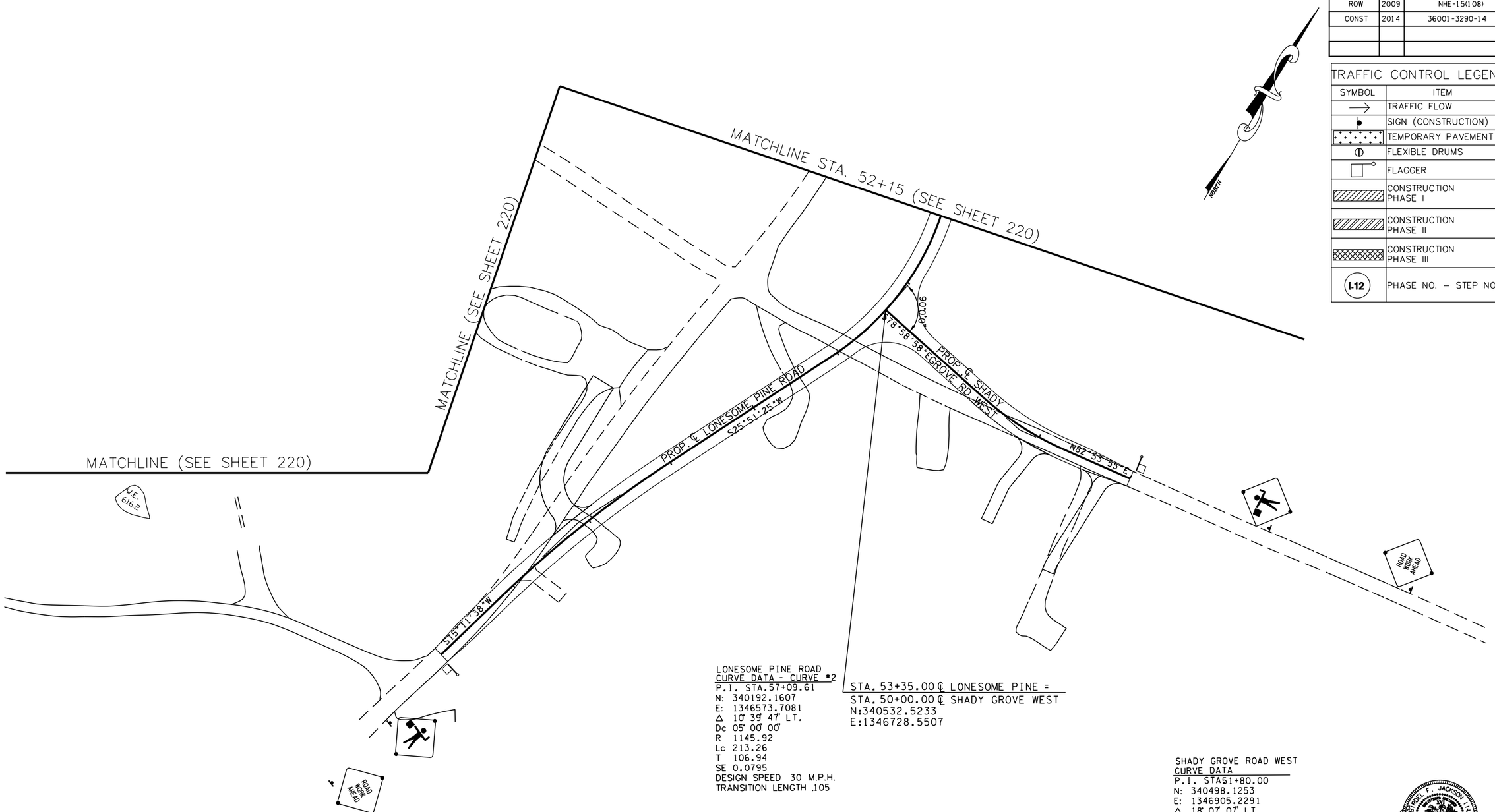
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	253
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



LONESOME PINE ROAD
CURVE DATA - CURVE #2
P.I. STA.57+09.61
N: 340192.1607
E: 1346573.7081
Δ 10° 39' 47" LT.
Dc 05° 00' 00"
R 1145.92
Lc 213.26
T 106.94
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .105

STA. 53+35.00 ℄ LONESOME PINE =
STA. 50+00.00 ℄ SHADY GROVE WEST
N:340532.5233
E:1346728.5507

SHADY GROVE ROAD WEST
CURVE DATA
P.I. STA51+80.00
N: 340498.1253
E: 1346905.2291
Δ 18° 07' 07" LT.
Dc 19° 00' 00"
R 301.56
Lc 95.36
T 48.08
SE .05
DESIGN SPEED 20 M.P.H.
TRANSITION LENGTH .120

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONST. PHASING
PHASE III
LONESOME PINE ROAD
AND
SHADY GROVE ROAD WEST
SCALE: 1" = 50'

8/6/2014
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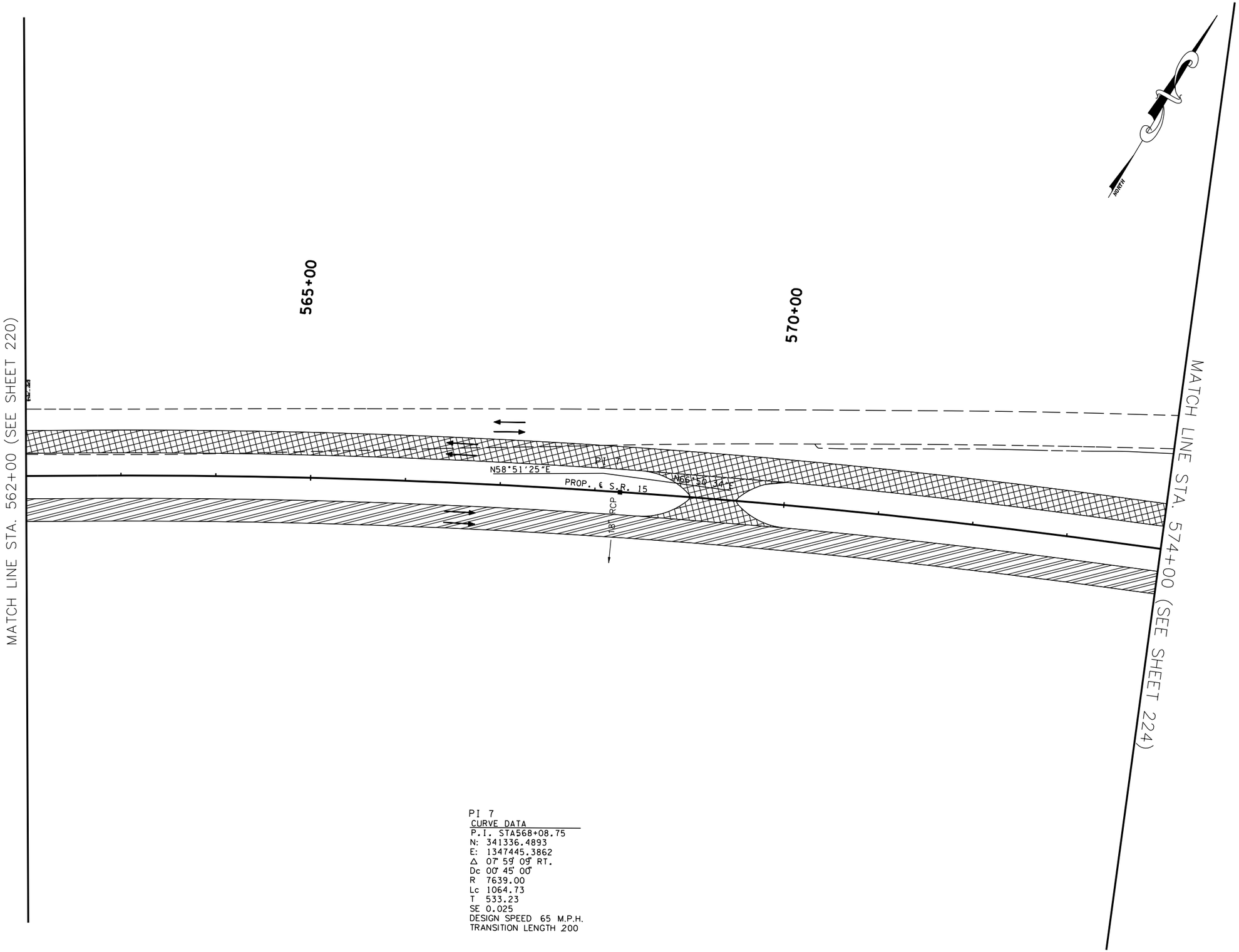
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	254
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



PI 7
CURVE DATA
P.I. STA568+08.75
N: 341336.4893
E: 1347445.3862
Δ 07° 59' 09" RT.
Dc 00° 45' 00"
R 7639.00
Lc 1064.73
T 533.23
SE 0.025
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III
STA. 562+00 TO 574+00
SCALE: 1" = 50'

8/16/2014
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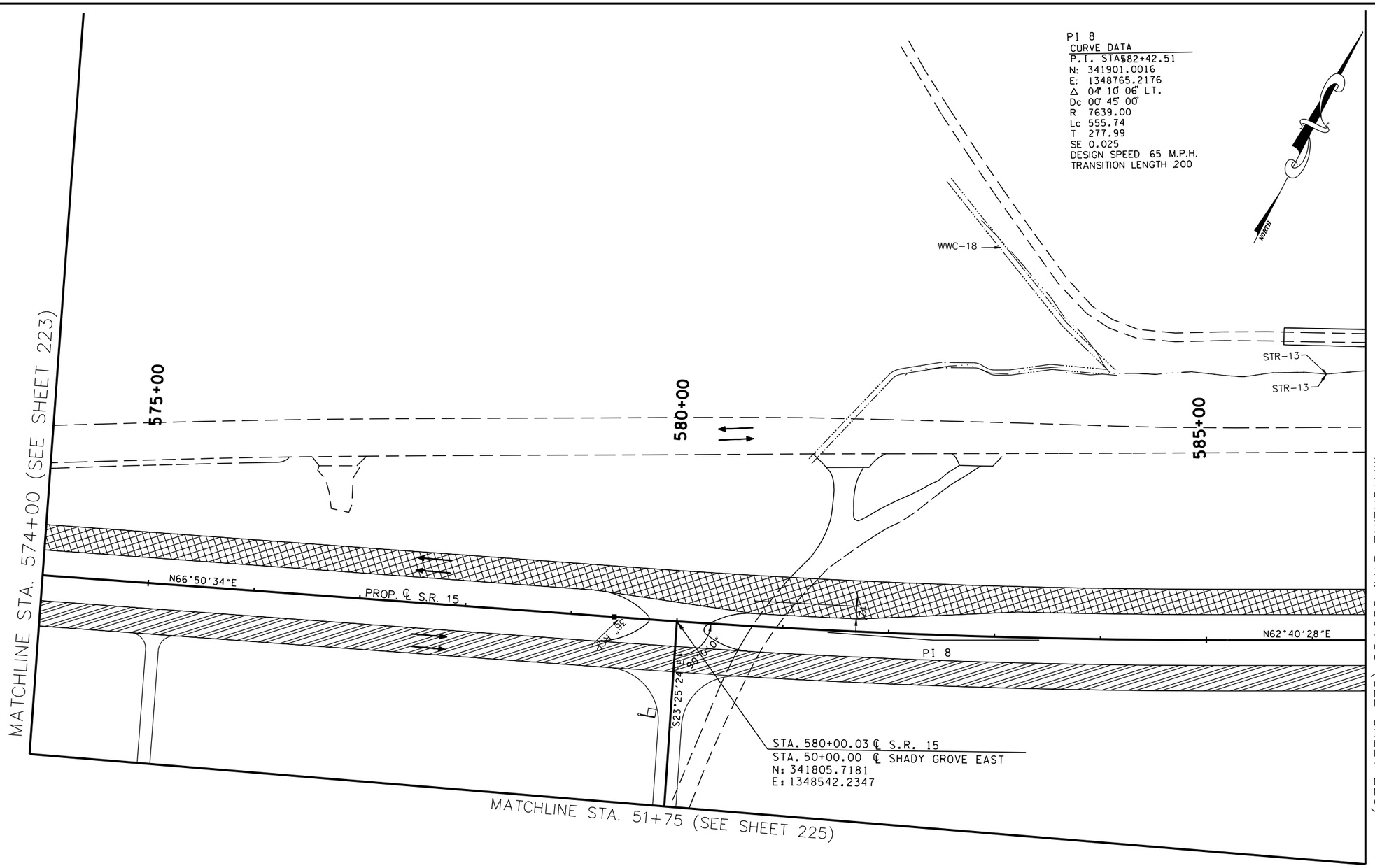
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	255
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
TRAFFIC CONTROL
PLAN
PHASE III

STA. 574+00 TO 586+50
SCALE: 1" = 50'

8/16/2014
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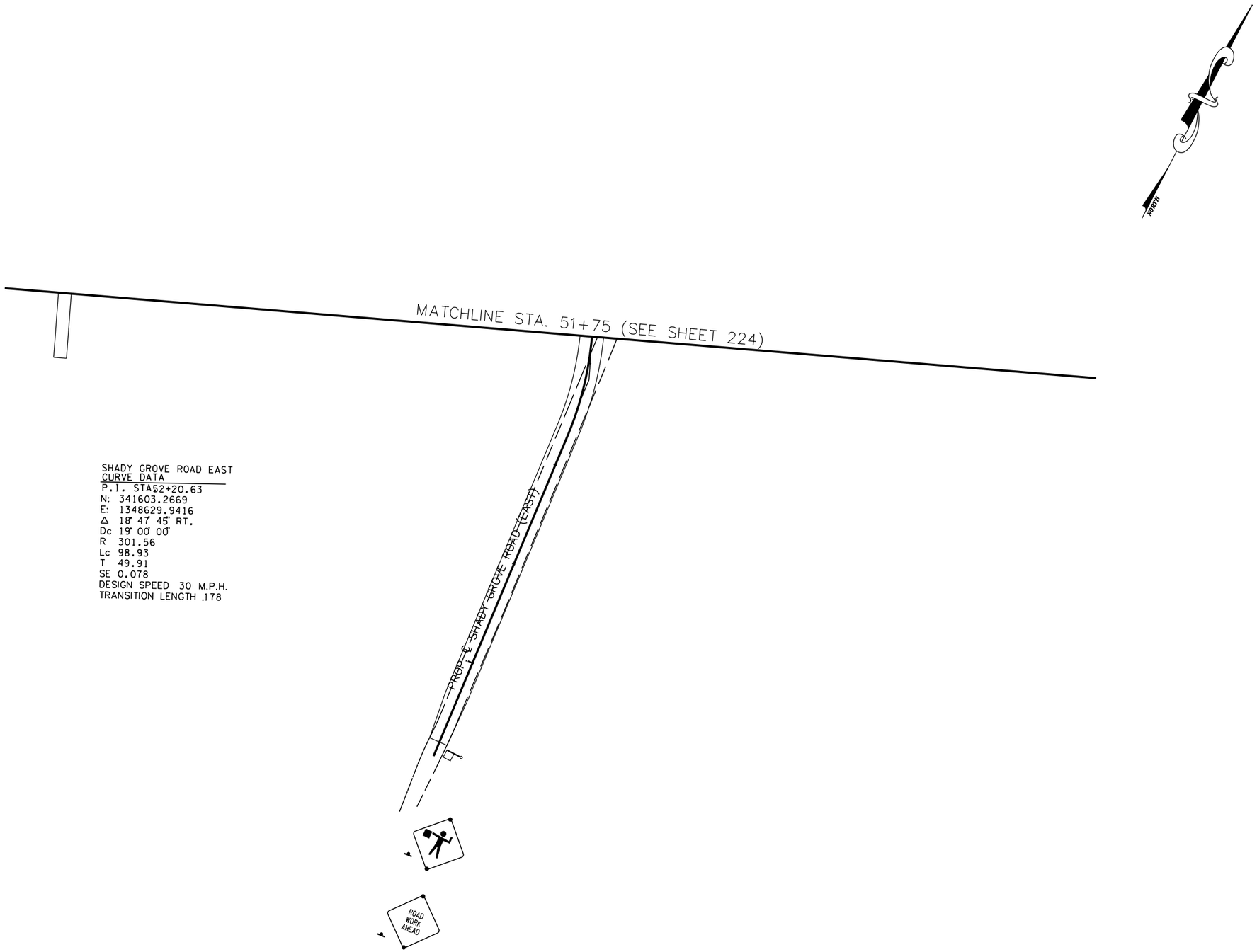
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	256
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



SHADY GROVE ROAD EAST
CURVE DATA

P.I. STA 52+20.63
N: 341603.2669
E: 1348629.9416
Δ 18° 47' 45" RT.
Dc 19° 00' 00"
R 301.56
Lc 98.93
T 49.91
SE 0.078
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .178

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III

SHADY GROVE ROAD EAST
SCALE: 1" = 50'

8/16/2014
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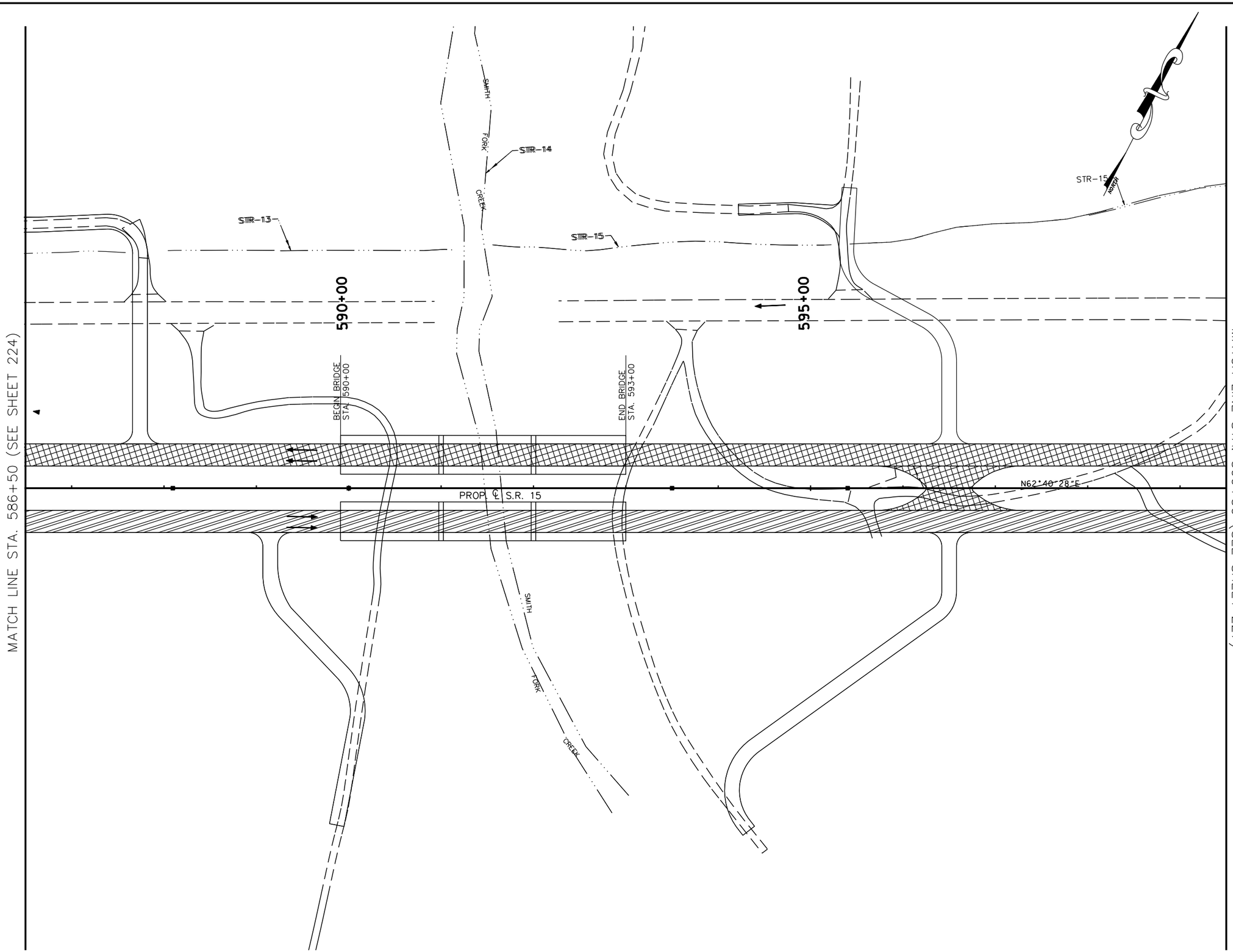
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	257
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III
STA. 586+50 TO 599+50
SCALE: 1" = 50'

8/16/2014
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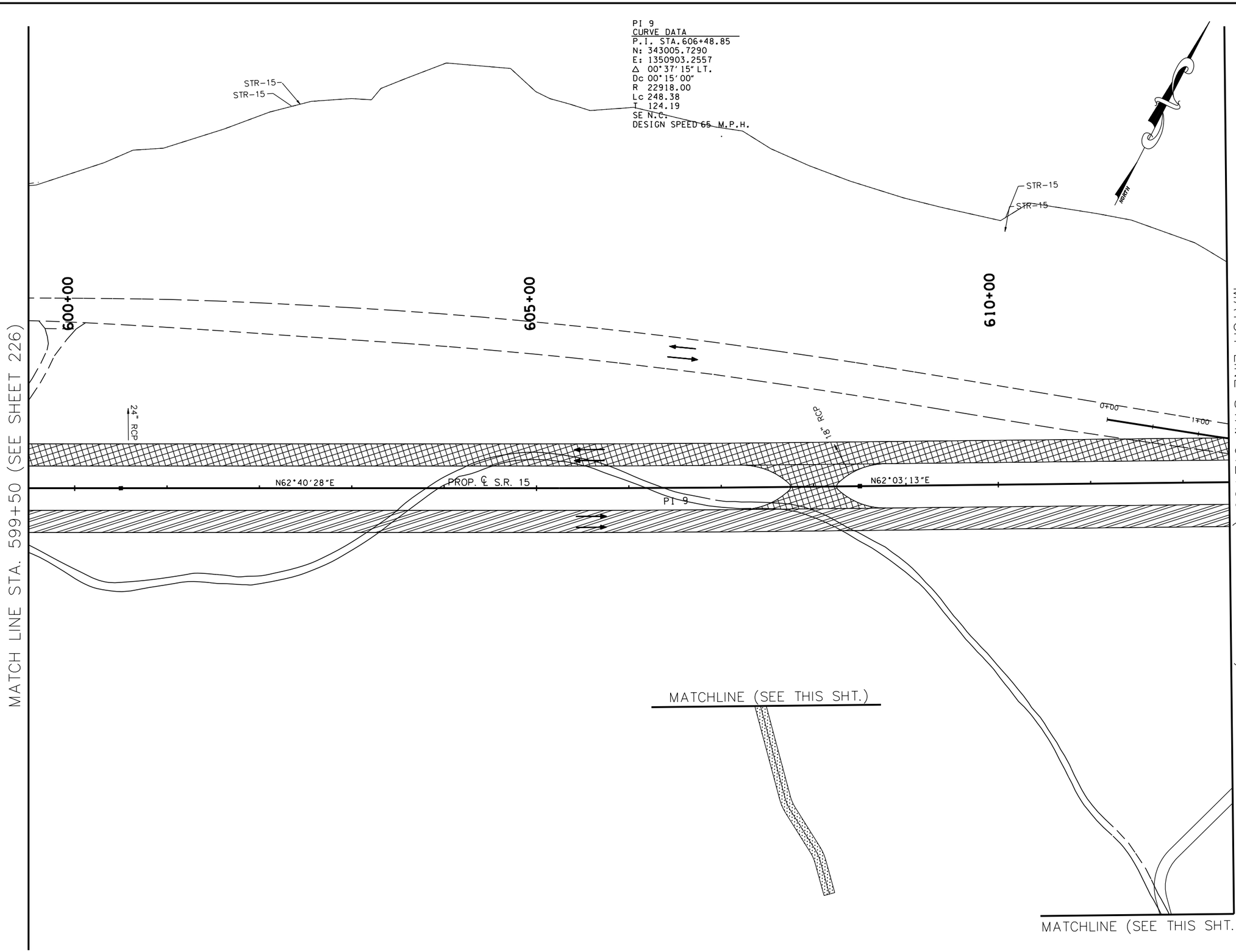
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	258
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III
STA. 599+50 TO 612+50
SCALE: 1" = 50'

8/6/2014
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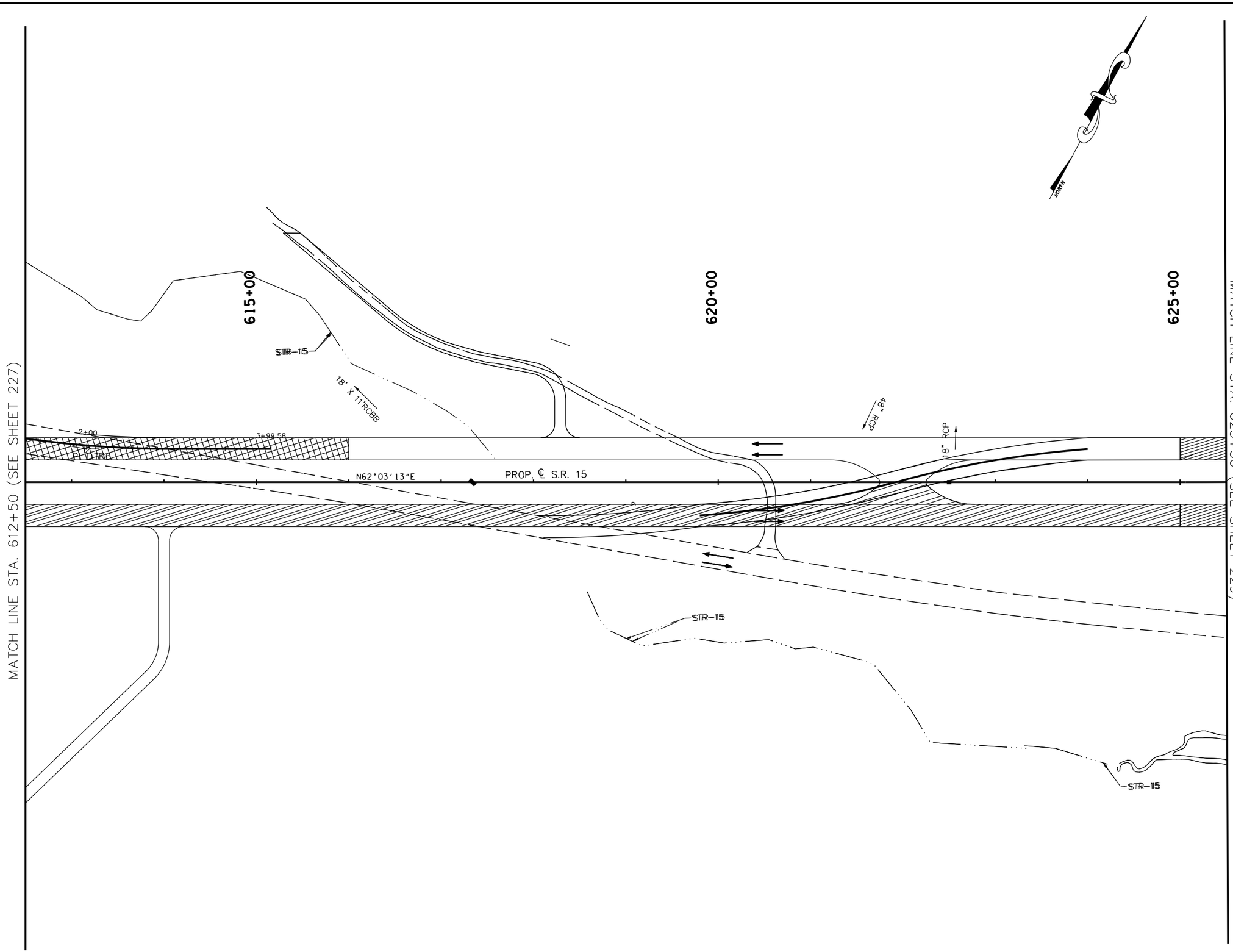
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	259
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/B3(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III
STA. 612+50 TO 625+50
SCALE: 1" = 50'

8/16/2014
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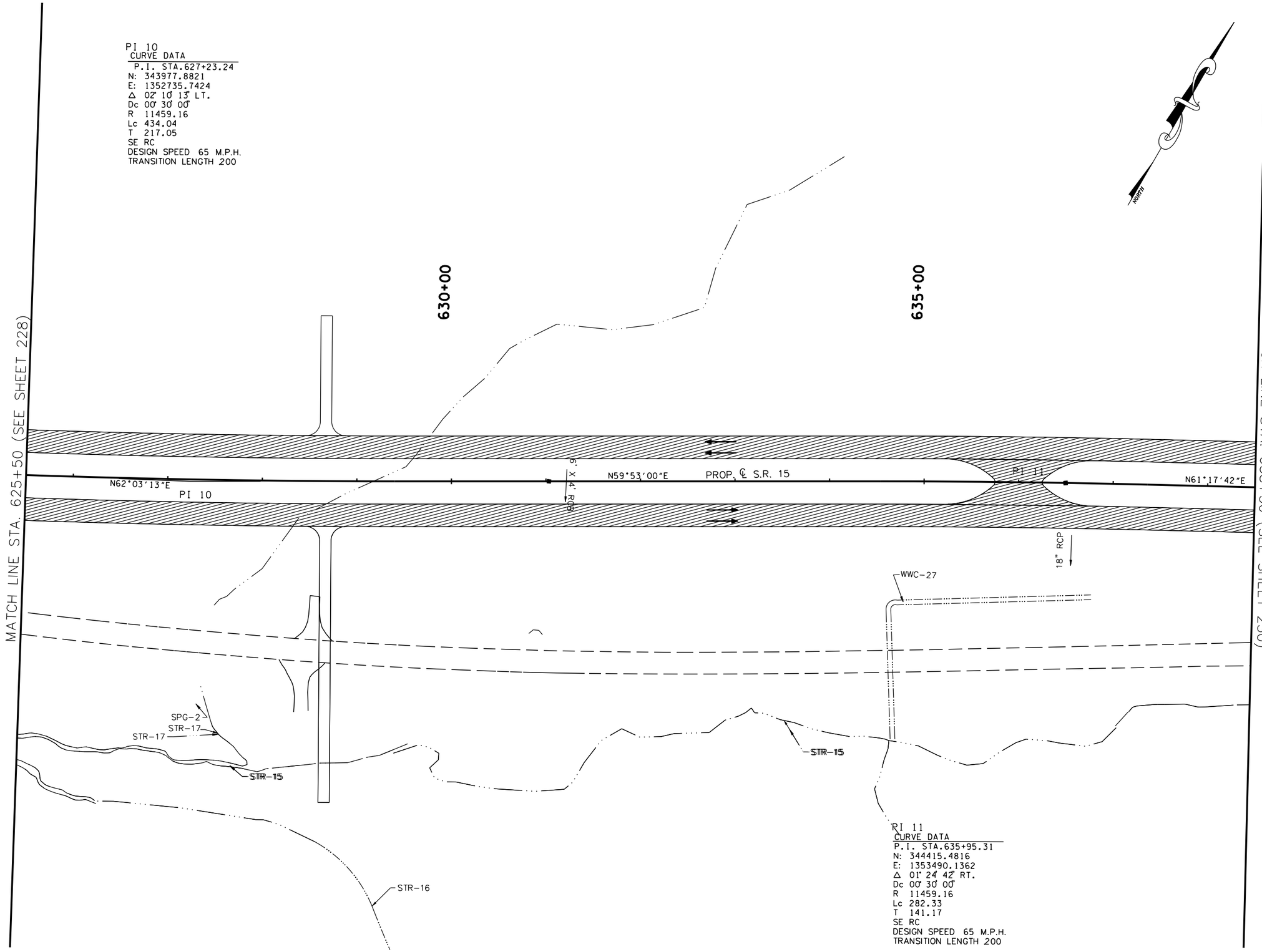
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	260
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



BIRDEL F. JACKSON III
STATE OF TENNESSEE
8-15-2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III

STA. 625+50 TO 638+50
SCALE: 1" = 50'

8/16/2014
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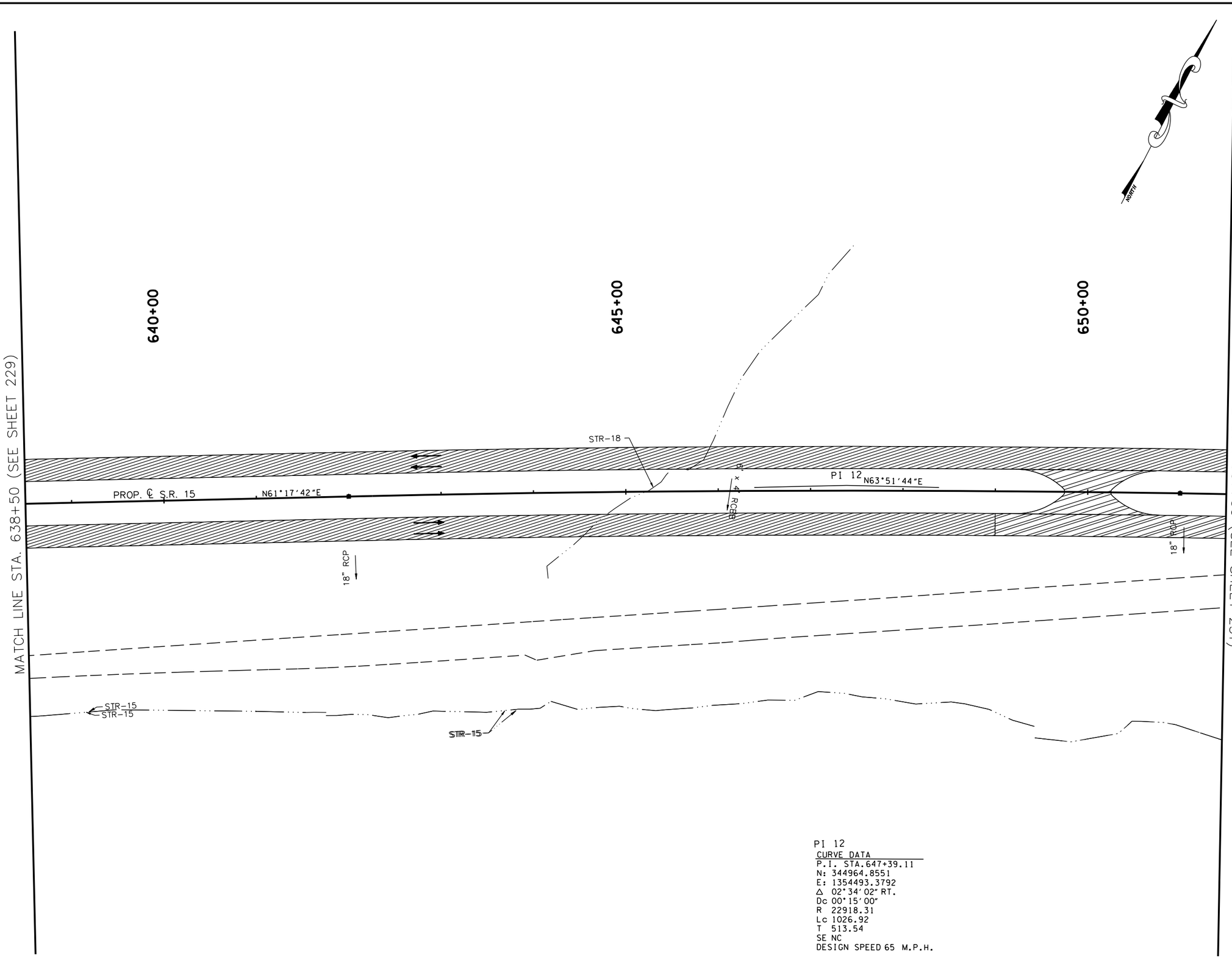
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

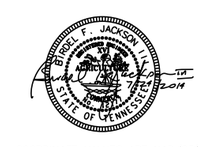
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	261
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



PI 12
CURVE DATA
P.I. STA.647+39.11
N: 344964.8551
E: 1354493.3792
Δ 02°34'02" RT.
Dc 00°15'00"
R 22918.31
Lc 1026.92
T 513.54
SE NC
DESIGN SPEED 65 M.P.H.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III
STA. 638+50 TO 651+50
SCALE: 1" = 50'

8/16/2014
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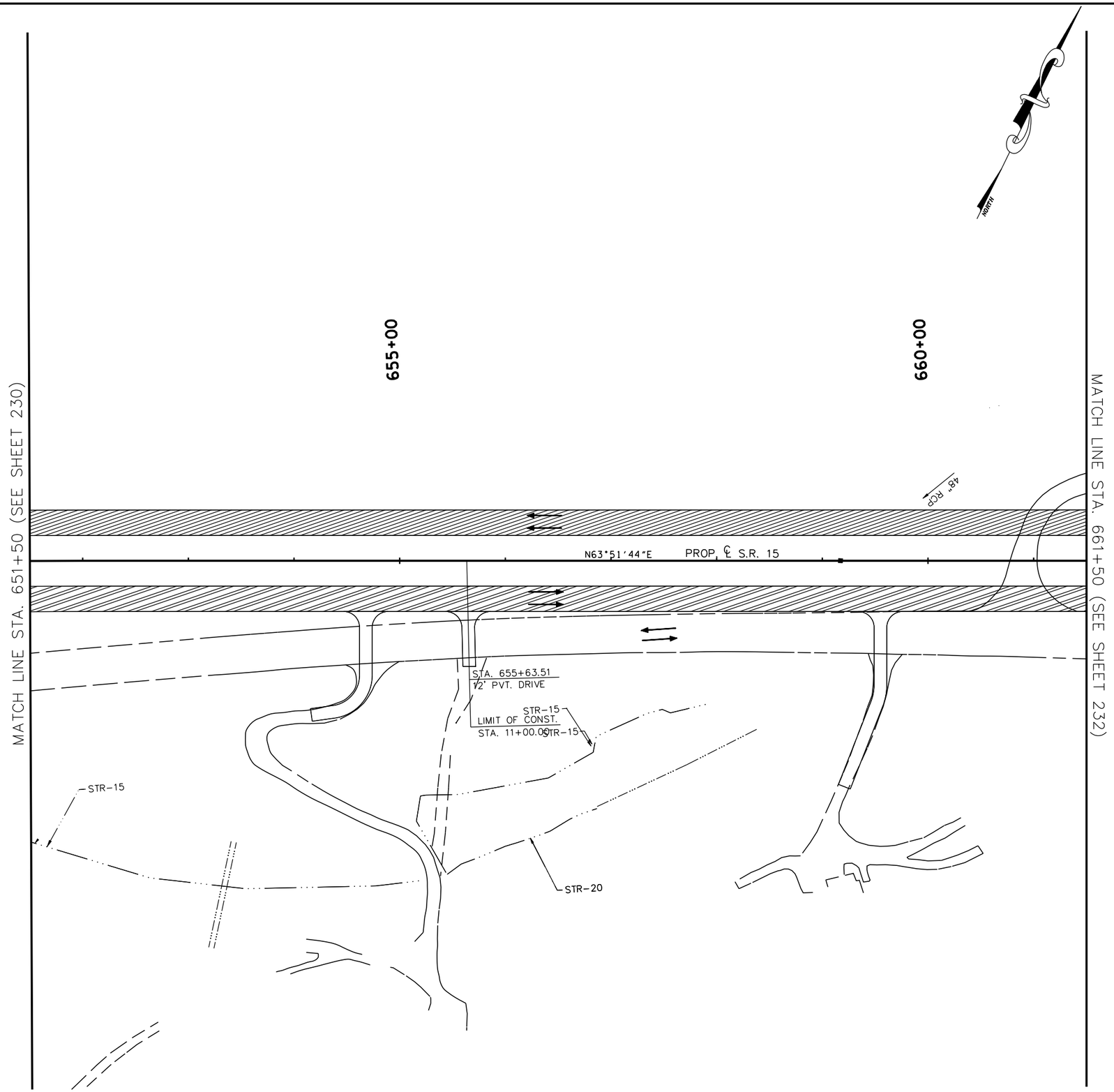
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	262
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III

STA. 651+50 TO 661+50
SCALE: 1" = 50'

8/6/2014
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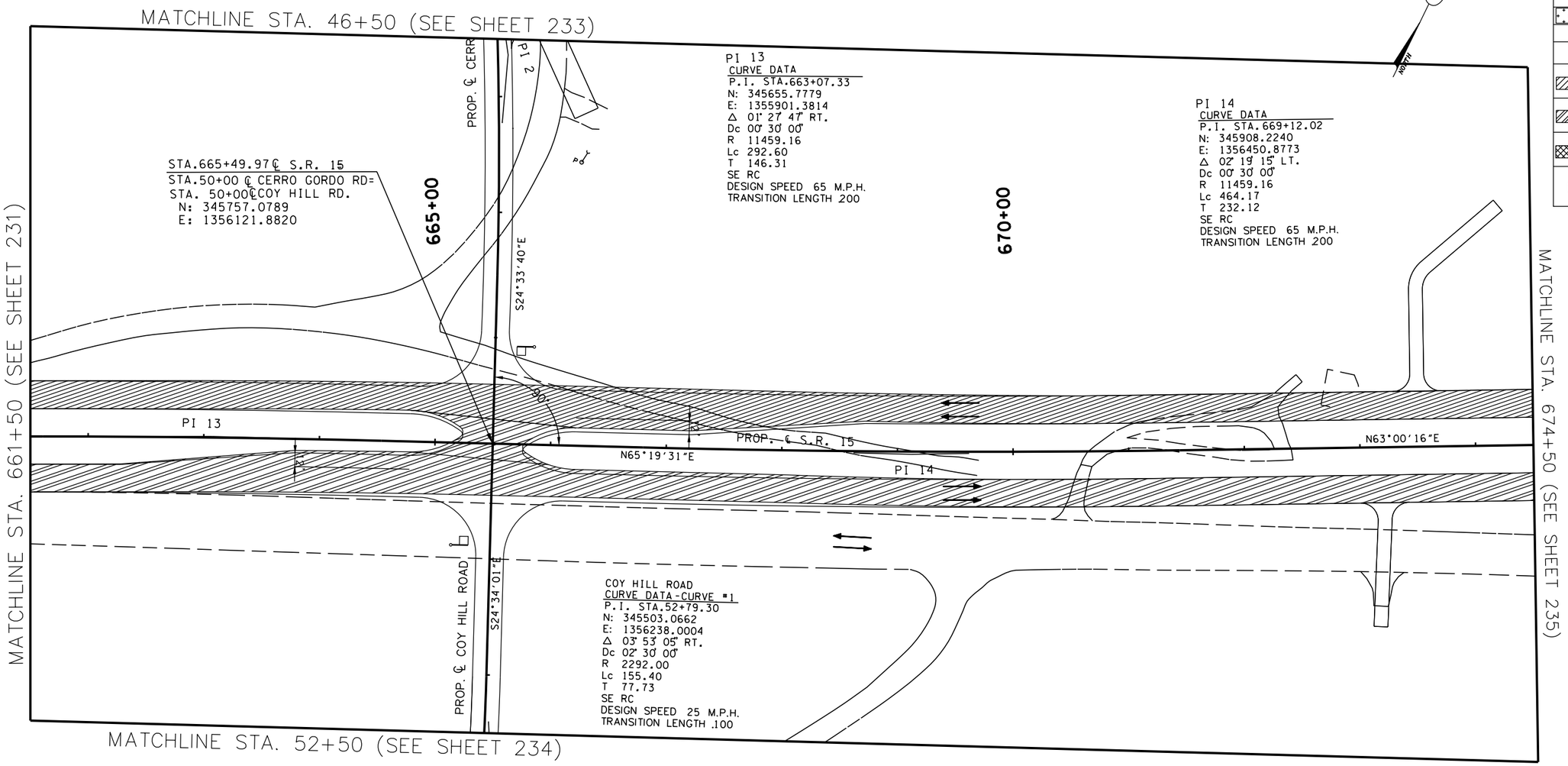
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	263
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III

STA. 661+50 TO 674+50
SCALE: 1" = 50'

8/6/2014
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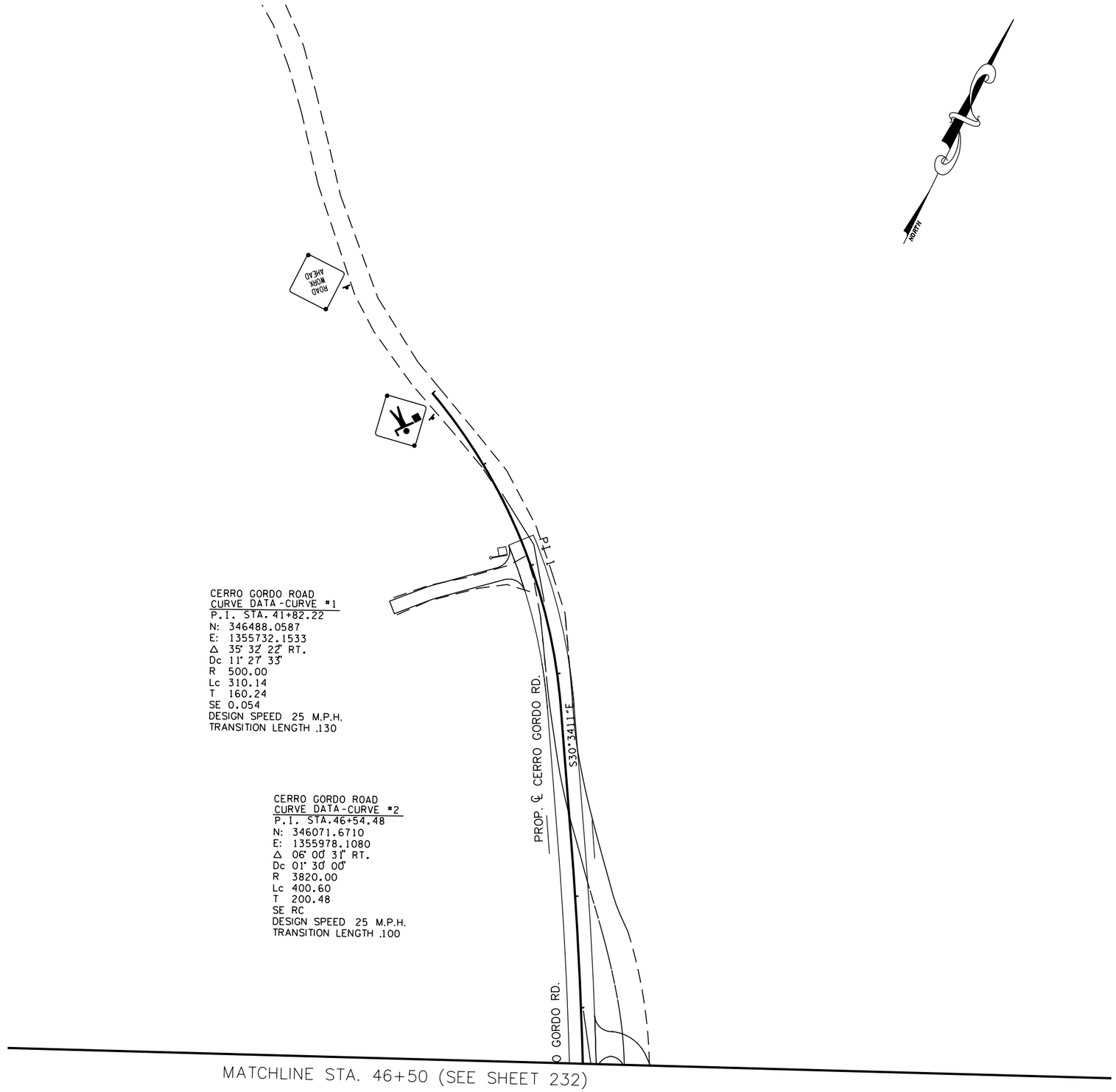
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	264
CONST	2014	36001-3290-14	



CERRO GORDO ROAD
CURVE DATA-CURVE #1
P.I. STA. 41+82.22
N: 346488.0587
E: 1355732.1533
Δ 35° 32' 22" RT.
Dc 11° 27' 33"
R 500.00
Lc 310.14
T 160.24
SE 0.054
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH .130

CERRO GORDO ROAD
CURVE DATA-CURVE #2
P.I. STA.46+54.48
N: 346071.6710
E: 1355978.1080
Δ 06° 00' 31" RT.
Dc 01° 30' 00"
R 3820.00
Lc 400.60
T 200.48
SE RC
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH .100

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

BIRDIE F. JACKSON II
STATE OF TENNESSEE
14
JAN 2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III
CERRO GORDO ROAD
SCALE: 1" = 50'

8/16/2014
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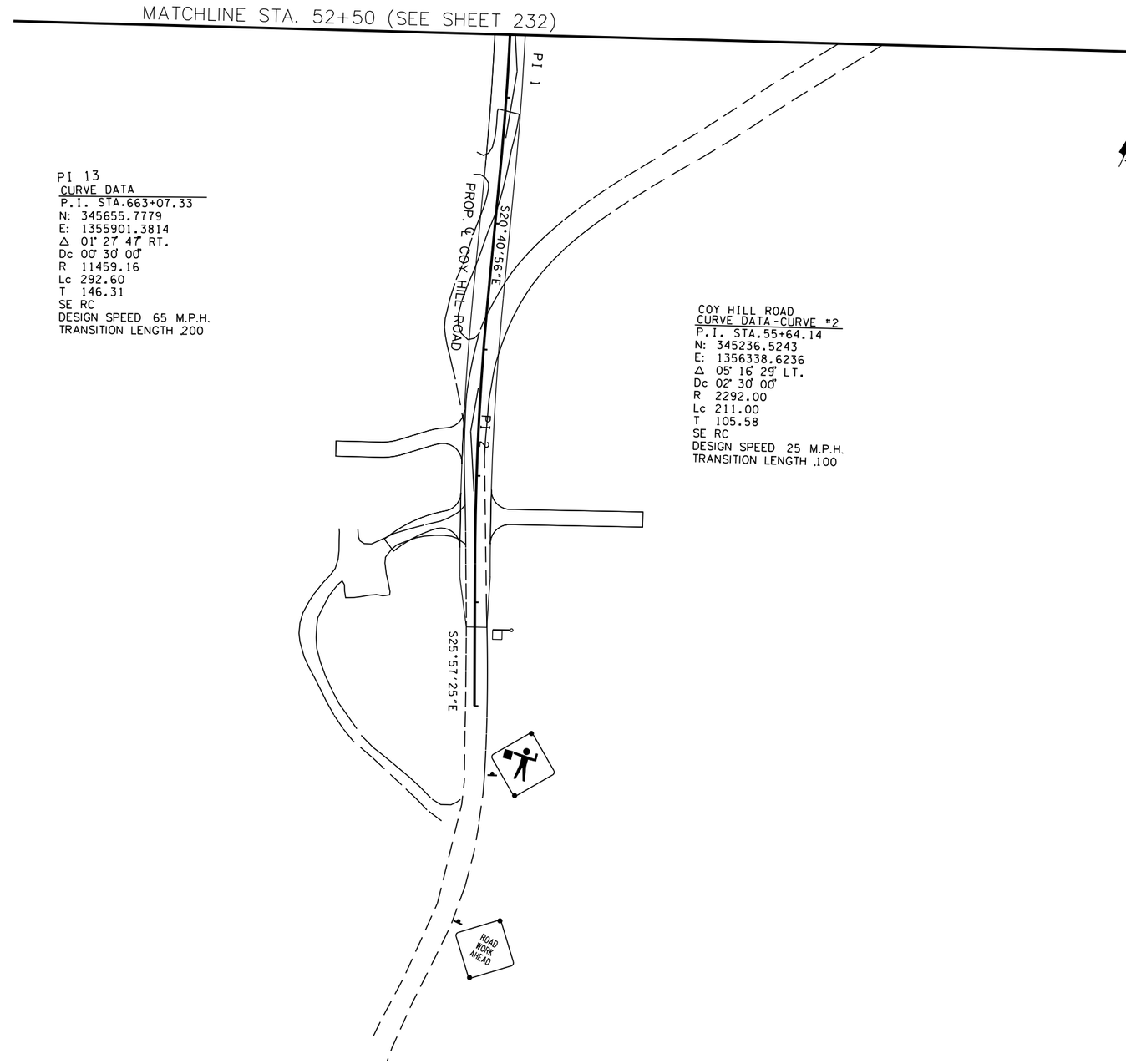
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	265
CONST	2014	36001-3290-14	



PI 13
CURVE DATA
P.I. STA.663+07.33
N: 345655.7779
E: 1355901.3814
Δ 01° 27' 47" RT.
Dc 00° 30' 00"
R 11459.16
Lc 292.60
T 146.31
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

COY HILL ROAD
CURVE DATA-CURVE #2
P.I. STA.55+64.14
N: 345236.5243
E: 1356338.6236
Δ 05° 16' 29" LT.
Dc 02° 30' 00"
R 2292.00
Lc 211.00
T 105.58
SE RC
DESIGN SPEED 25 M.P.H.
TRANSITION LENGTH 100

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III

COY HILL ROAD
SCALE: 1" = 50'

8/16/2014
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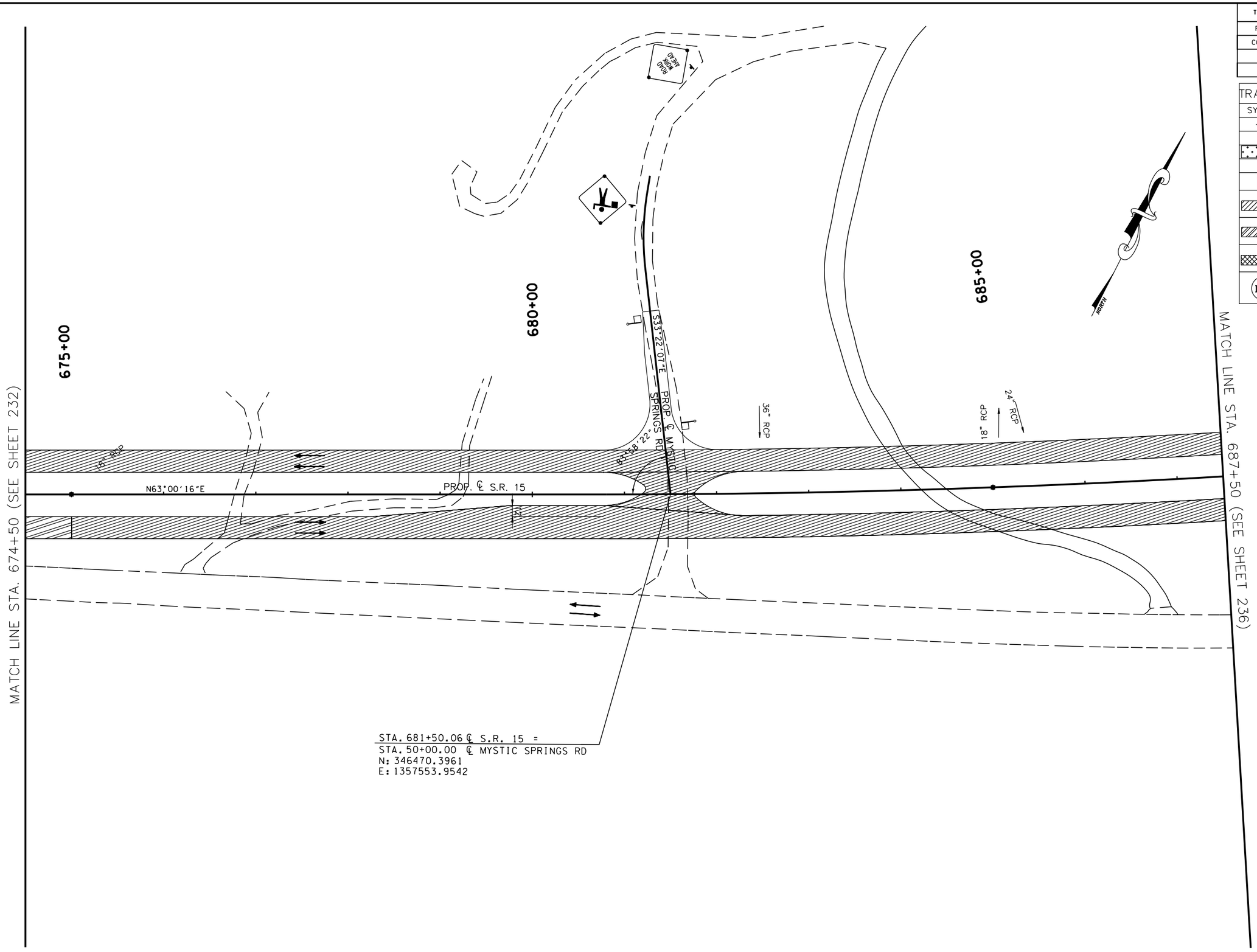
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	266
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III
STA. 674+50 TO 687+50
SCALE: 1" = 50'

8/16/2014
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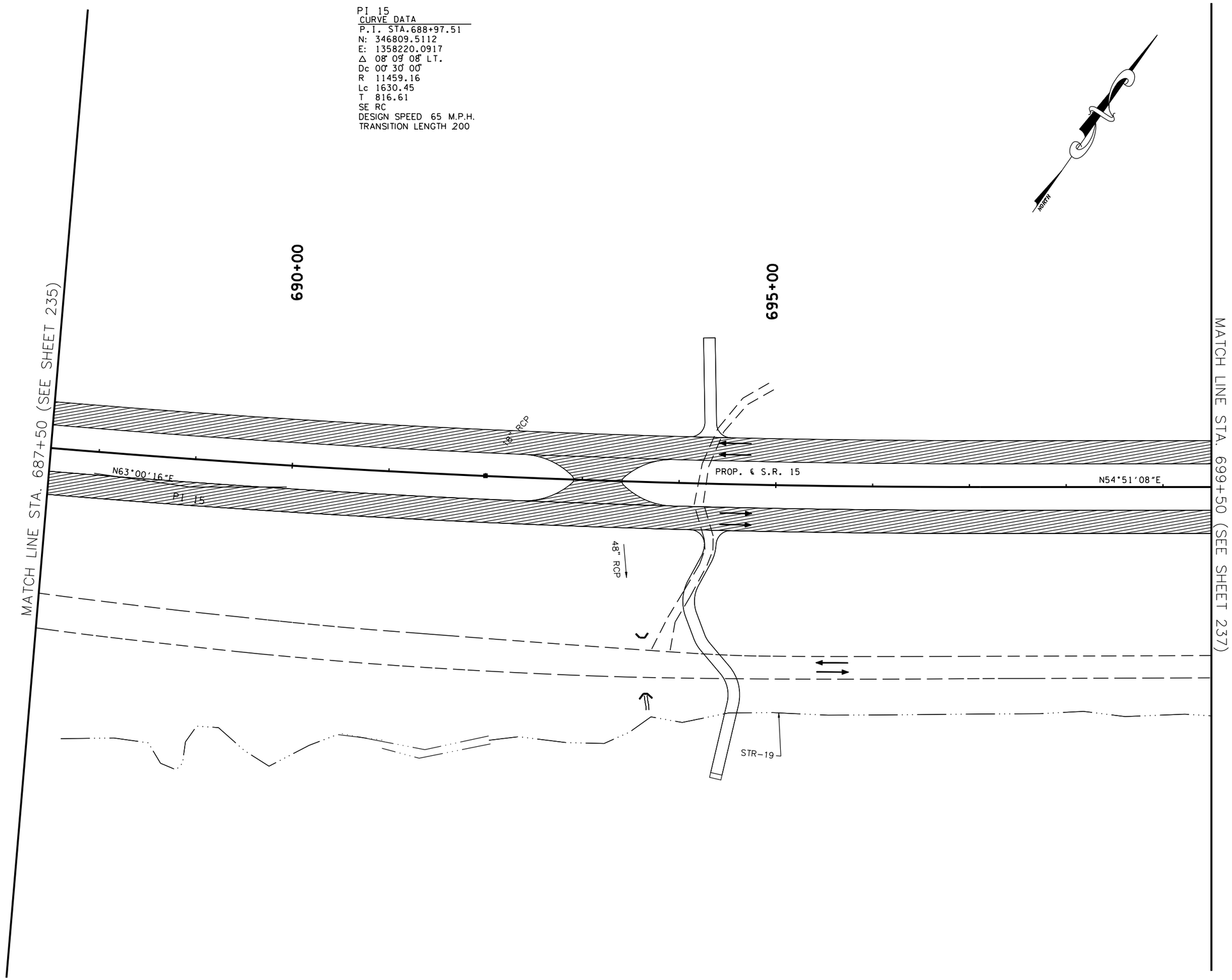
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	267
CONST	2014	36001-3290-14	

PI 15
CURVE DATA
P.I. STA.688+97.51
N: 346809.5112
E: 1358220.0917
Δ 08° 09' 08" LT.
Dc 00° 30' 00"
R 11459.16
Lc 1630.45
T 816.61
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TORN.

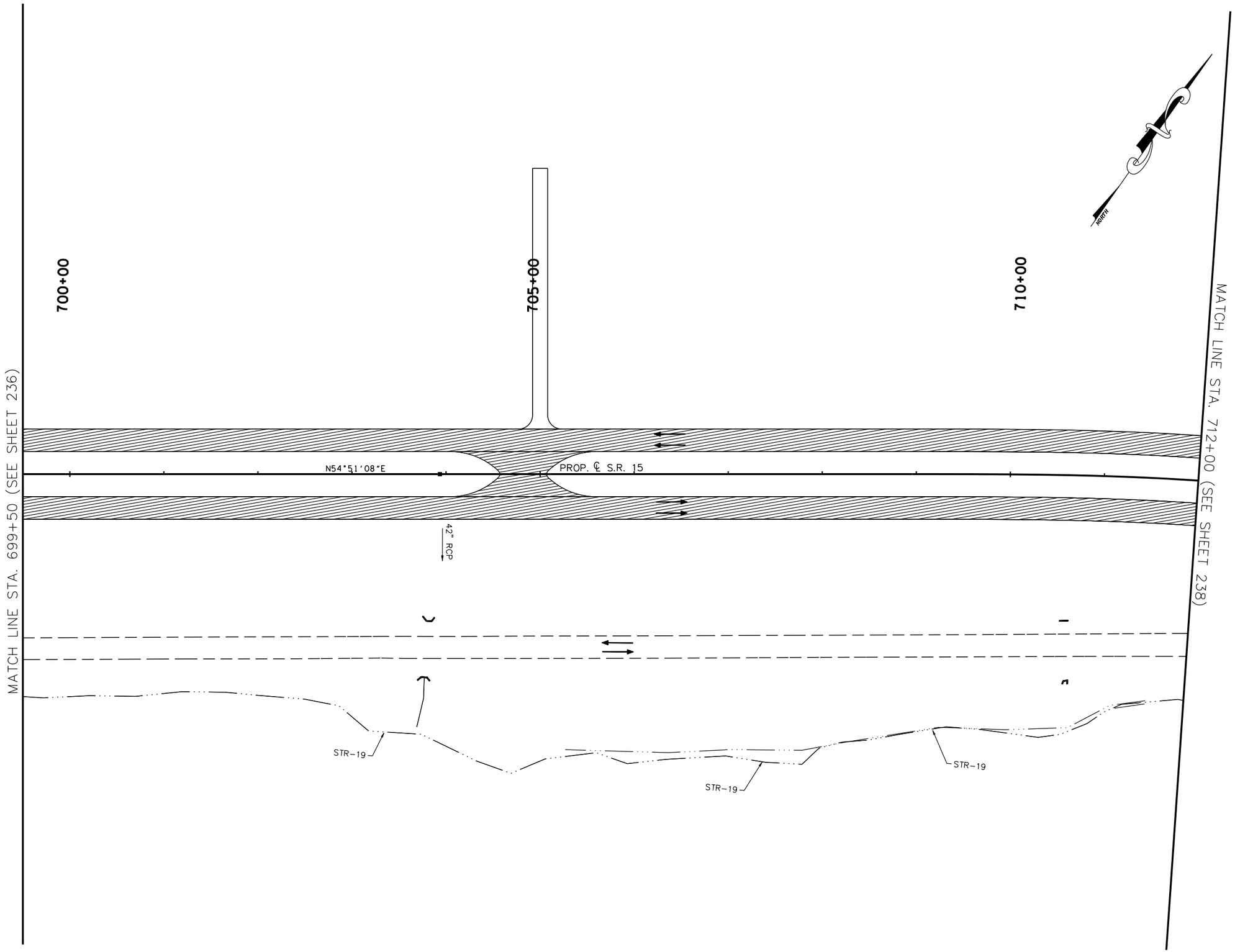
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III
STA. 687+50 TO 699+50
SCALE: 1" = 50'

8/16/2014
C:\BEYONDSITES ENGINEERING\2011\110058EJ-Parker1099\DESIGN\TRAFFIC_236.dgn

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	268
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

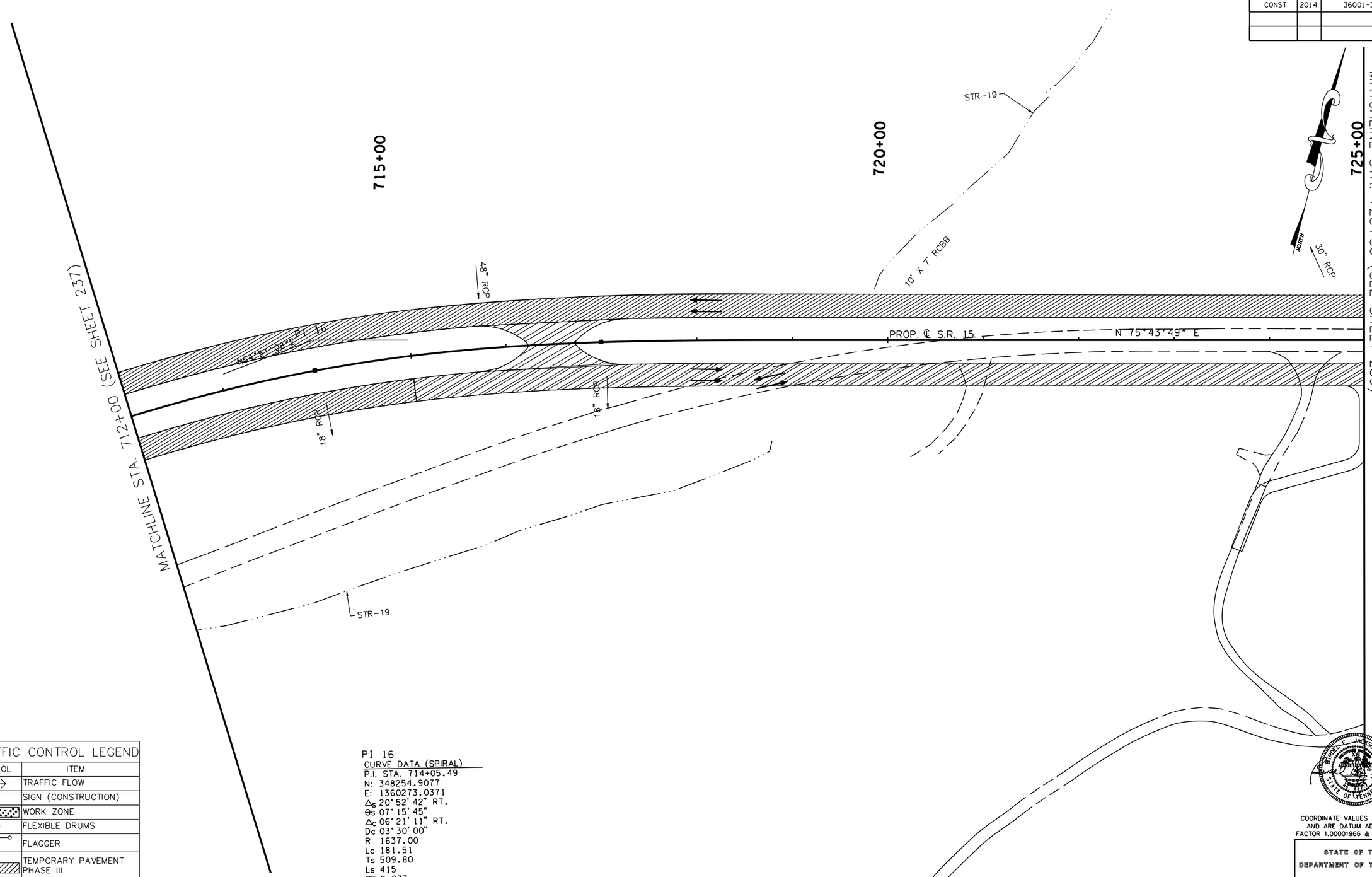
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III
STA. 699+50 TO 712+00
SCALE: 1" = 50'

8/6/2014
C:\BEYONDSITES ENGINEERING\2011\1005BEJ-Parker1099\DESIGN\TRAFFIC_237.dgn

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	269
CONST	2014	36001-3290-14	



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	WORK ZONE
○	FLEXIBLE DRUMS
	FLAGGER
	TEMPORARY PAVEMENT PHASE III
	TEMPORARY PAVEMENT PHASE II
	TEMPORARY PAVEMENT PHASE III

PI 16
CURVE DATA (SPIRAL)
P.I. STA. 714+05.49
N: 348254.9077
E: 1360273.0371
Δ_s 20° 52' 42" RT.
θ_s 07° 15' 45"
Δ_c 06° 21' 11" RT.
Dc 03° 30' 00"
R 1637.00
Lc 181.51
Ts 509.80
Ls 415
SE 0.077
DESIGN SPEED 65 M.P.H.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

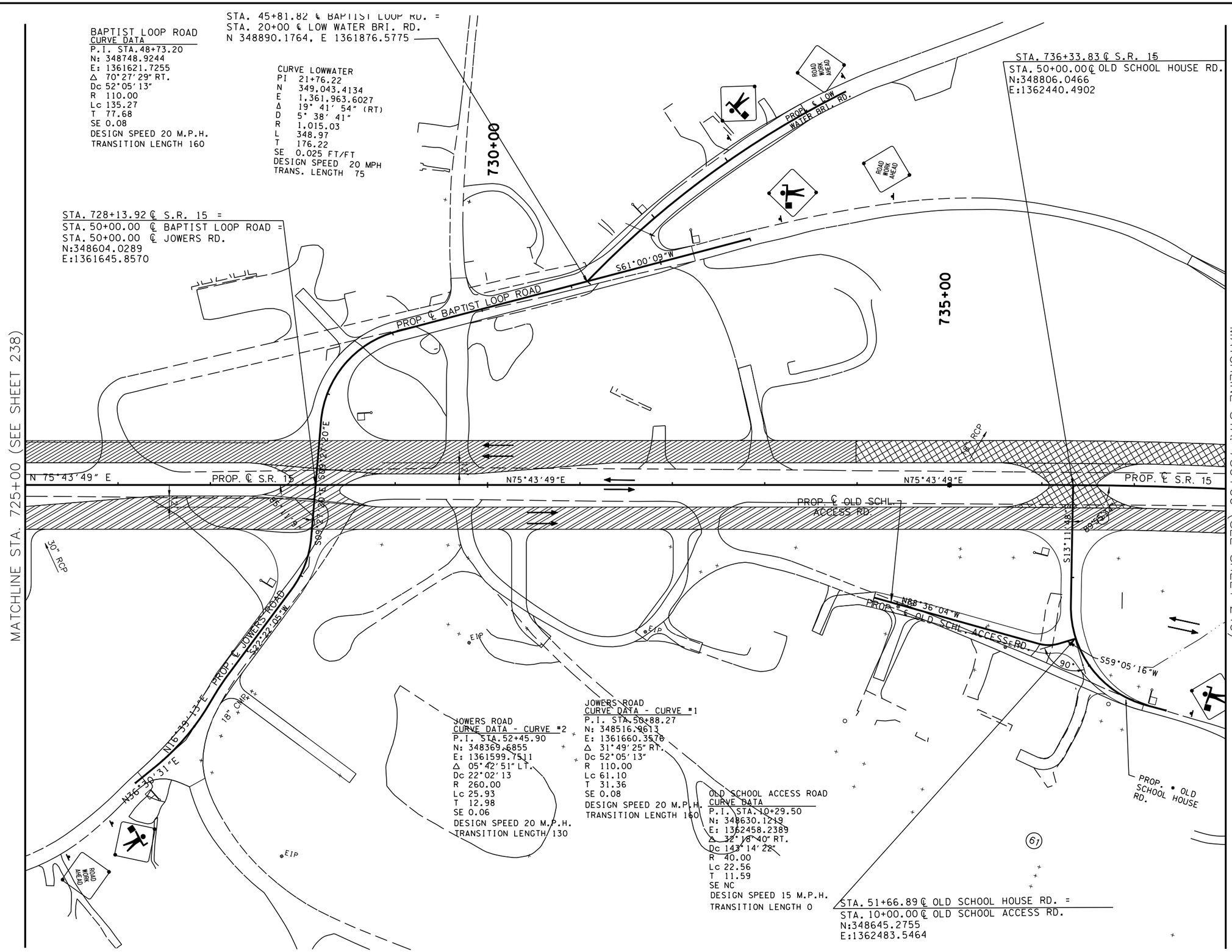
S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III
STA. 712+00 TO 725+00
SCALE: 1" = 50'

8/16/2014
C:\BEYONDSITES ENGINEERING\2011\1005BEJ-Parker1099\DESIGN\TRAFFIC_238.dgn

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	270
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



COORDINATE VALUES ARE NAD/B3(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III

STA. 725+00 TO 738+00
SCALE: 1" = 50'

8/16/2014
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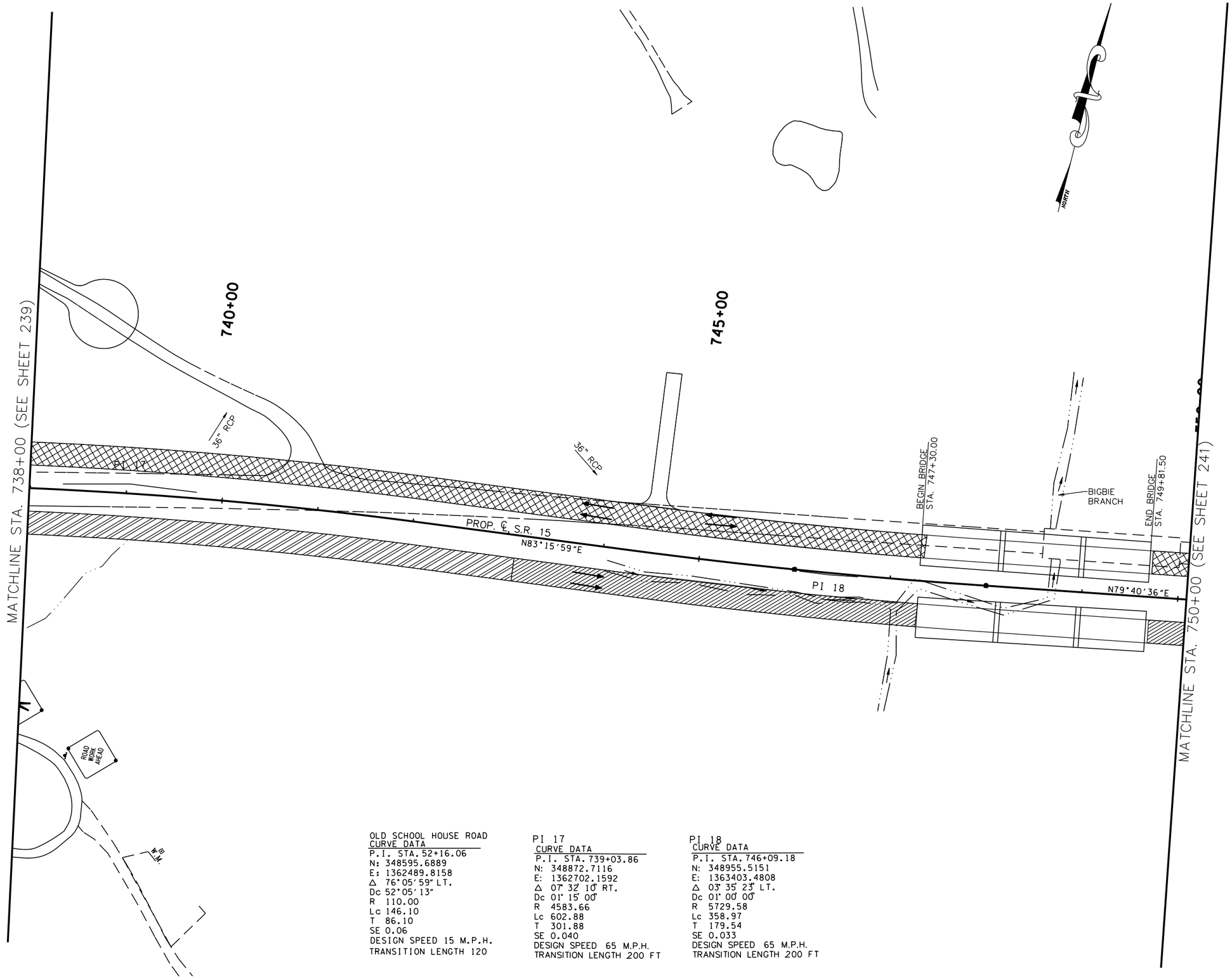
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	271
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



OLD SCHOOL HOUSE ROAD
CURVE DATA
P.I. STA. 52+16.06
N: 348595.6889
E: 1362489.8158
Δ 76°05'59" LT.
Dc 52°05'13"
R 110.00
Lc 146.10
T 86.10
SE 0.06
DESIGN SPEED 15 M.P.H.
TRANSITION LENGTH 120

PI 17
CURVE DATA
P.I. STA. 739+03.86
N: 348872.7116
E: 1362702.1592
Δ 07° 32' 10" RT.
Dc 01° 15' 00"
R 4583.66
Lc 602.88
T 301.88
SE 0.040
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

PI 18
CURVE DATA
P.I. STA. 746+09.18
N: 348955.5151
E: 1363403.4808
Δ 03° 35' 23" LT.
Dc 01° 00' 00"
R 5729.58
Lc 358.97
T 179.54
SE 0.033
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

BRIAN F. JACKSON
STATE OF TENNESSEE
8/16/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III
STA. 738+00 TO 750+00
SCALE: 1" = 50'

8/16/2014
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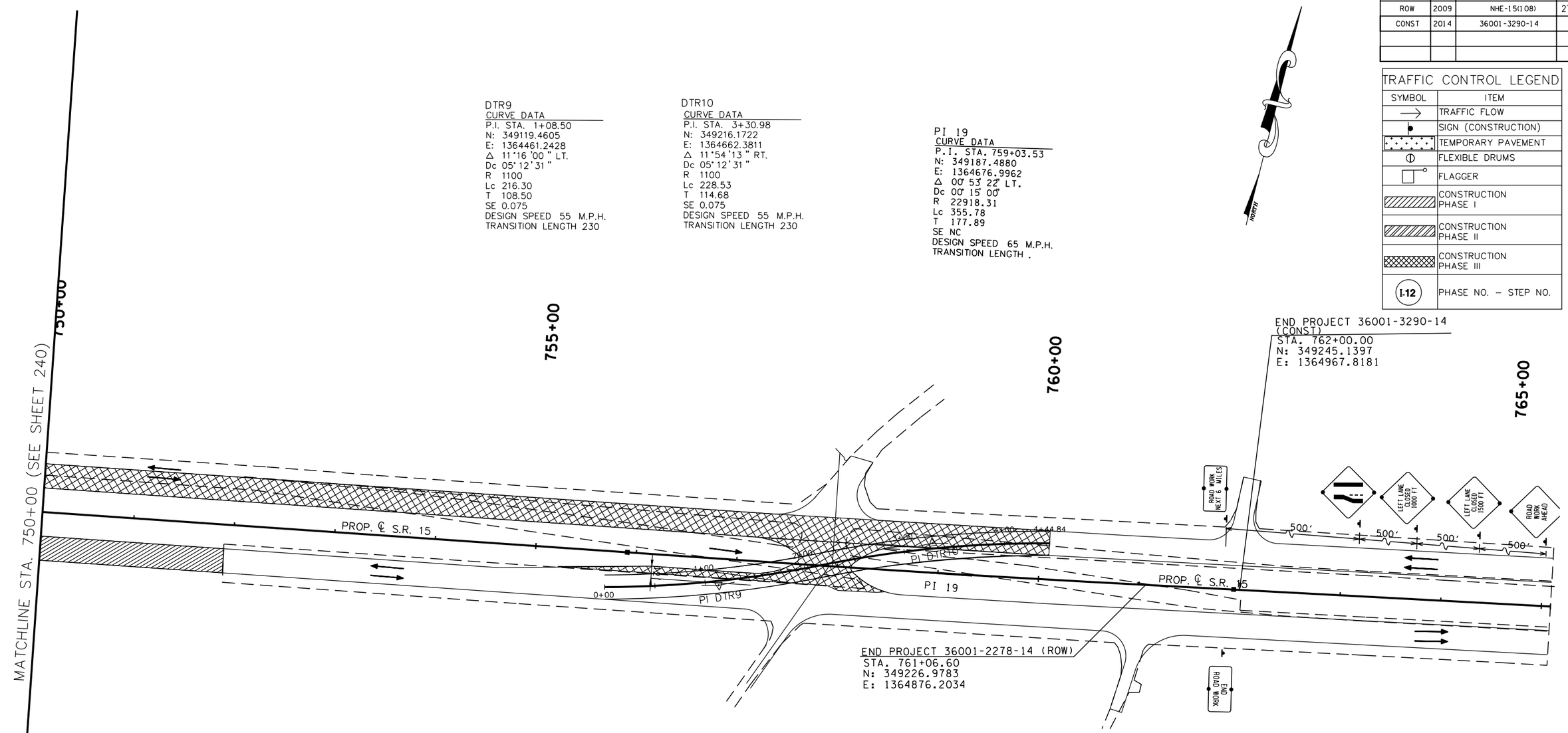
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	272
CONST	2014	36001-3290-14	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
→	TRAFFIC FLOW
●	SIGN (CONSTRUCTION)
	TEMPORARY PAVEMENT
	FLEXIBLE DRUMS
	FLAGGER
	CONSTRUCTION PHASE I
	CONSTRUCTION PHASE II
	CONSTRUCTION PHASE III
I-12	PHASE NO. – STEP NO.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CONSTRUCTION
PHASING
PHASE III

750+00 TO E.O.P.
SCALE: 1" = 50'

8/16/2014
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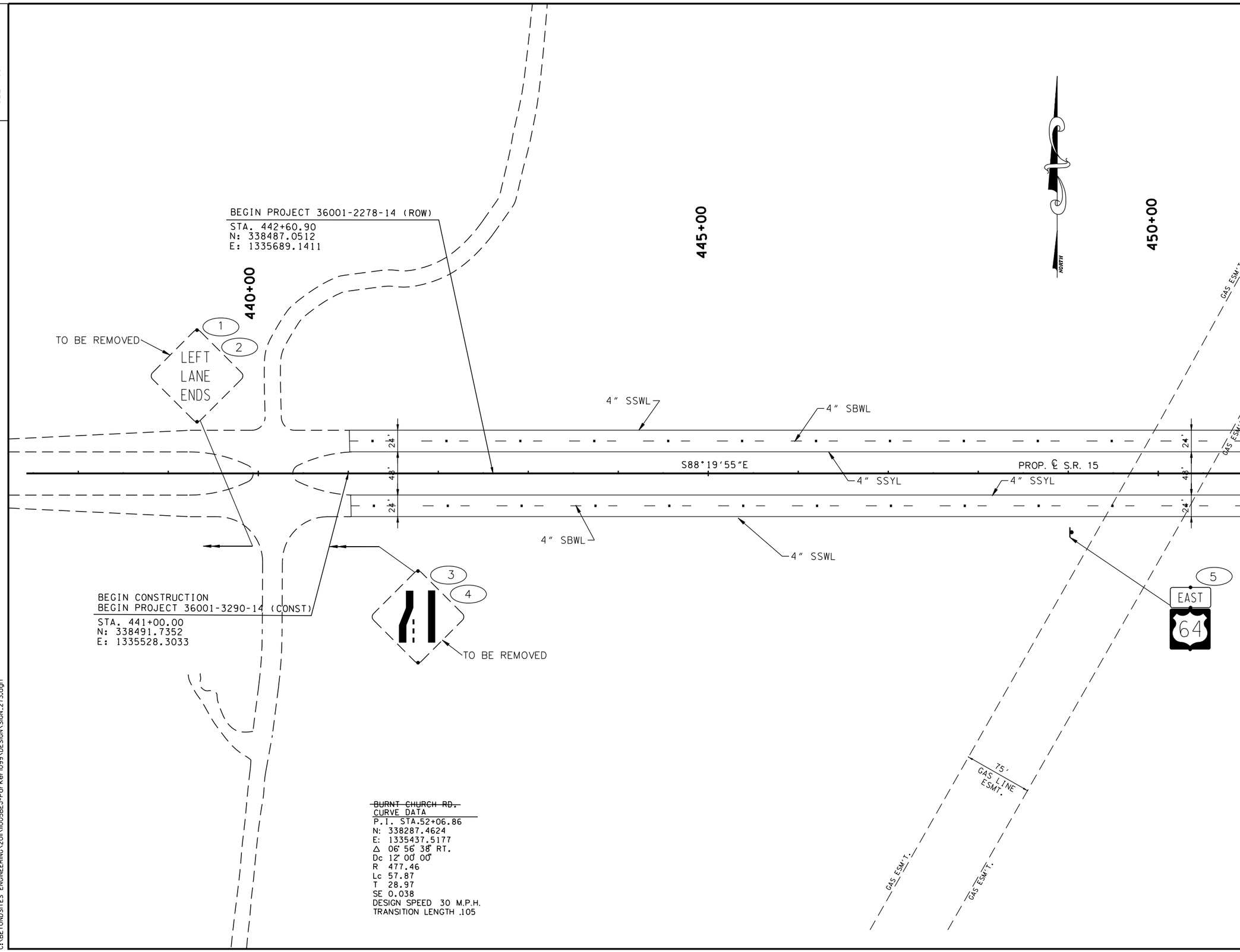
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273
CONST	2014	36001-3290-14	



~~BURNT CHURCH RD.~~
CURVE DATA
P.I. STA.52+06.86
N: 338287.4624
E: 1335437.5177
Δ 06° 56' 38" RT.
Dc 12° 00' 00"
R 477.46
Lc 57.87
T 28.97
SE 0.038
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .105

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING PLAN
B.O.P.
TO
STA. 451+00
SCALE: 1" = 50'

8/16/2014
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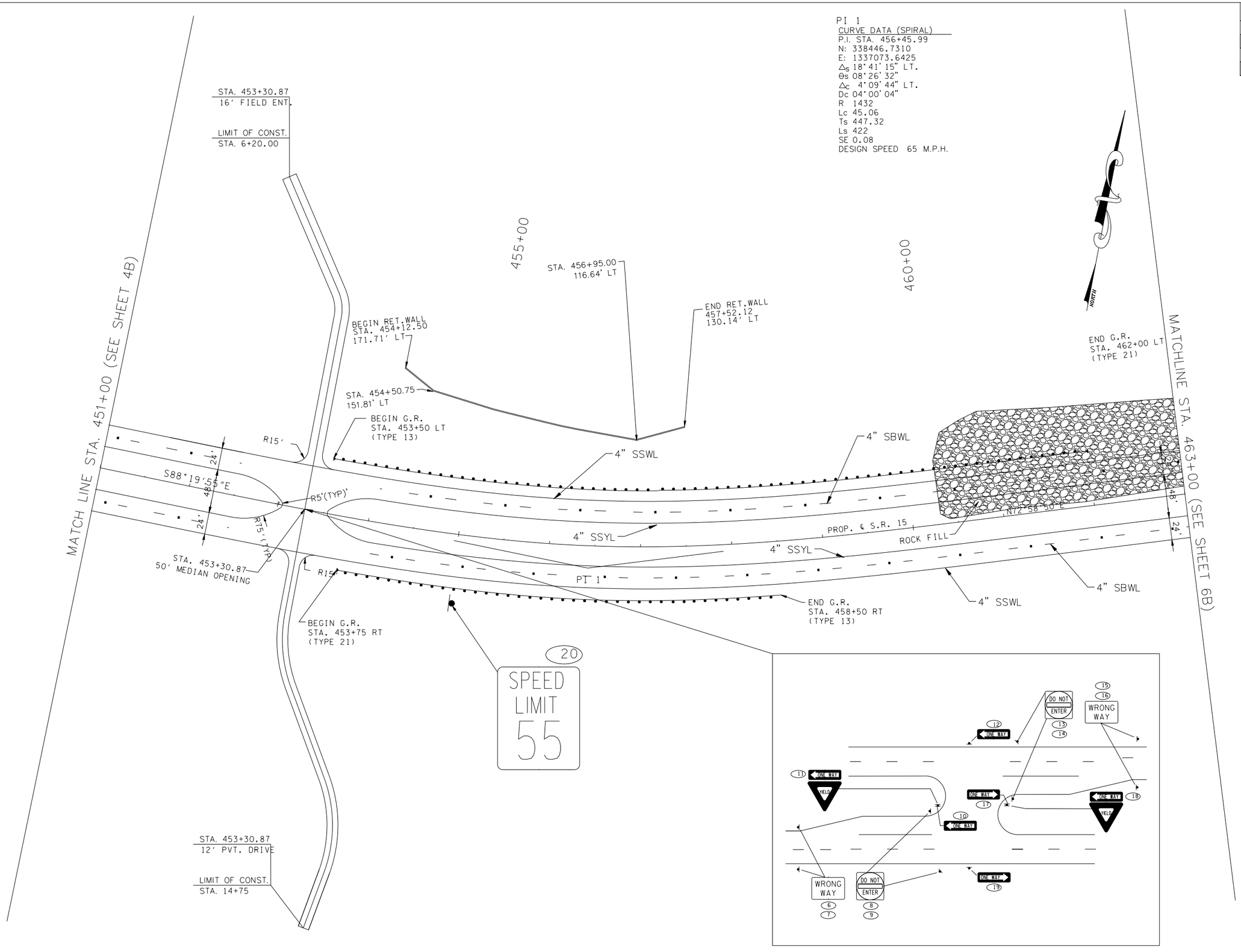
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273A
CONST	2014	36001-3290-14	

PI 1
CURVE DATA (SPIRAL)
P.I. STA. 456+45.99
N: 338446.7310
E: 1337073.6425
Δ_s 18° 41' 15" LT.
θ_s 08° 26' 32"
Δ_c 4° 09' 44" LT.
Dc 04° 00' 04"
R 1432
Lc 45.06
Ts 447.32
Ls 422
SE 0.08
DESIGN SPEED 65 M.P.H.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 451+00
TO
STA. 463+00
SCALE: 1" = 50'

8/16/2014
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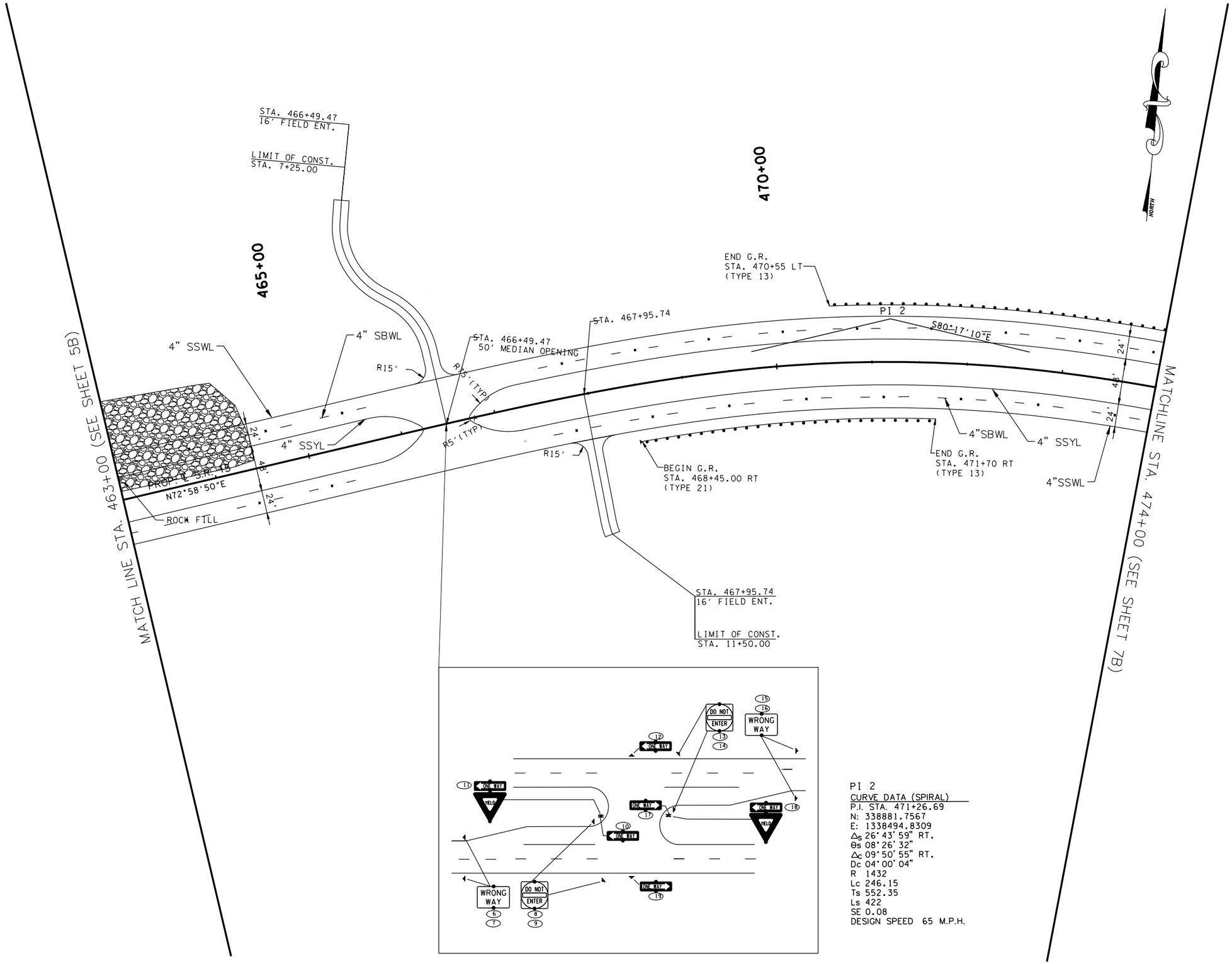
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273B
CONST	2014	36001-3290-14	



PI 2
CURVE DATA (SPIRAL)
P.I. STA. 471+26.69
N: 338881.7567
E: 1338494.8309
Δ_s 26°43'59" RT.
θ_s 08°26'32"
Δ_c 09°50'55" RT.
Dc 04°00'04"
R 1432
Lc 246.15
Ts 552.35
Ls 422
SE 0.08
DESIGN SPEED 65 M.P.H.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 463+00
TO
STA. 474+00
SCALE: 1" = 50'

8/16/2014
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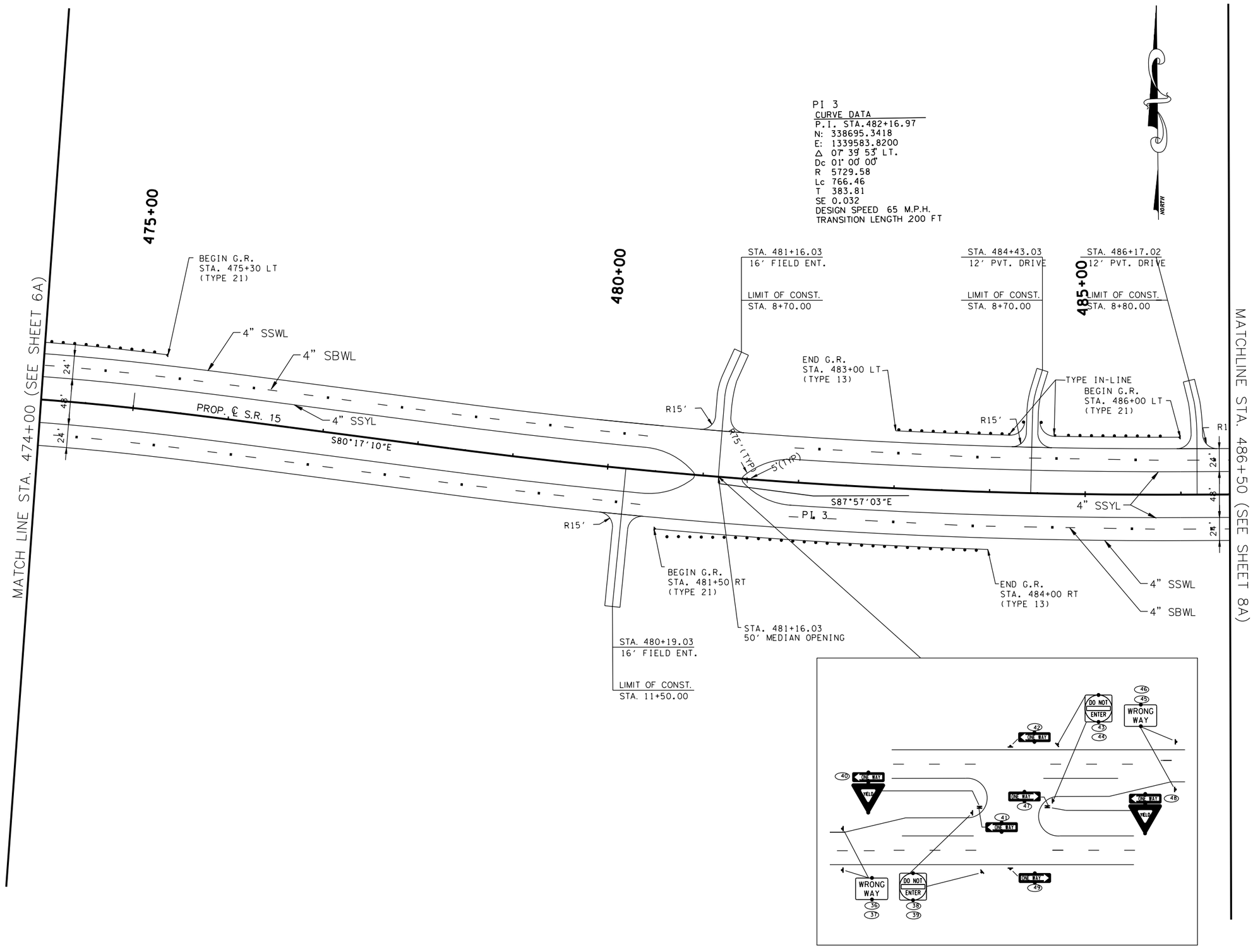
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.
	SIGN	

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273C
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 474+00
TO
STA. 486+50
SCALE: 1" = 50'

8/16/2014
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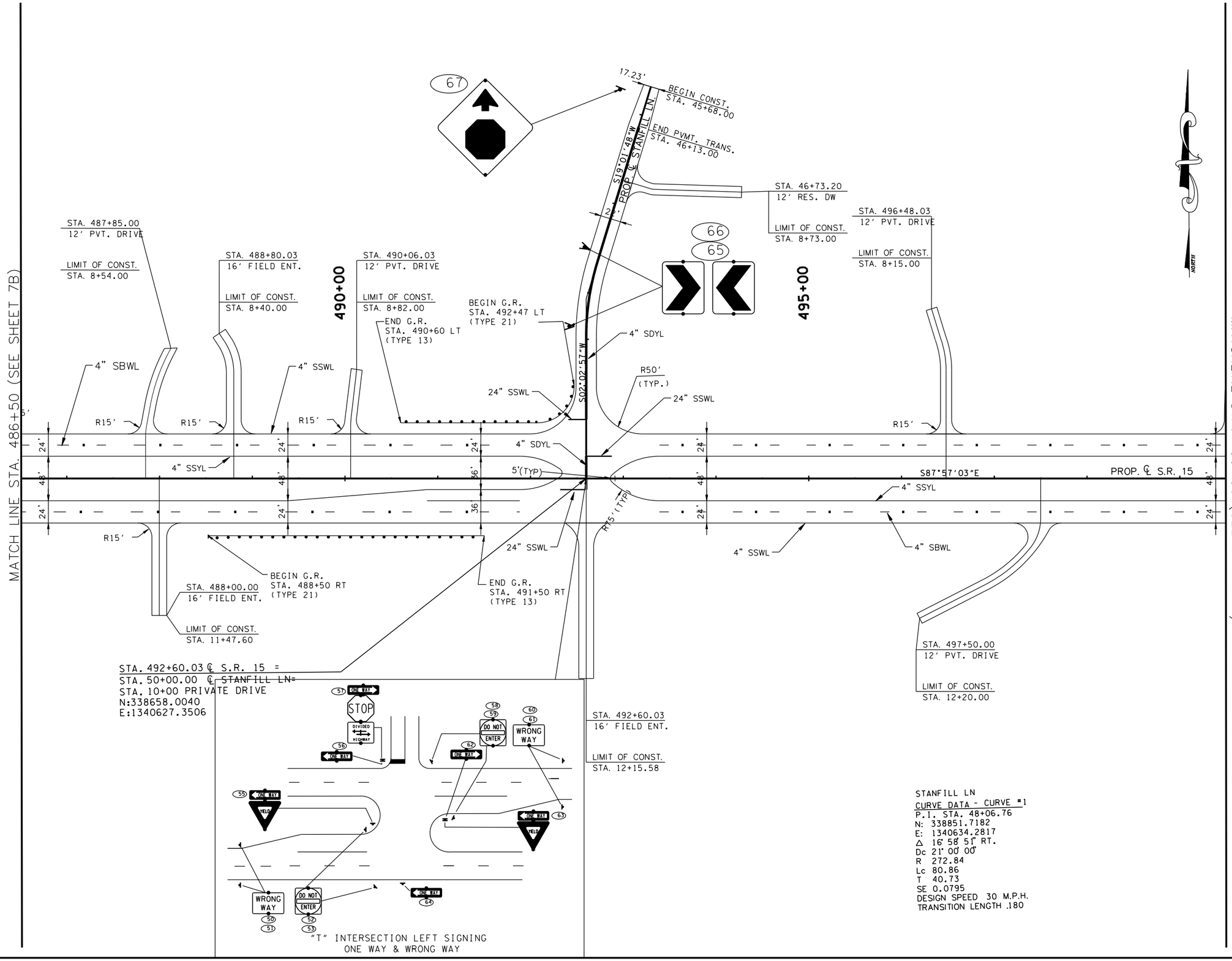
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273D
CONST	2014	36001-3290-14	



STANFILL LN
CURVE DATA - CURVE #1
P.I. STA. 48+06.76
N: 338851.7182
E: 1340634.2817
Δ 16° 58' 51" RT.
Dc 21° 00' 00"
R 272.84
Lc 80.86
T 40.73
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH 180'

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 486+50
TO
STA. 499+50
SCALE: 1" = 50'

8/16/2014
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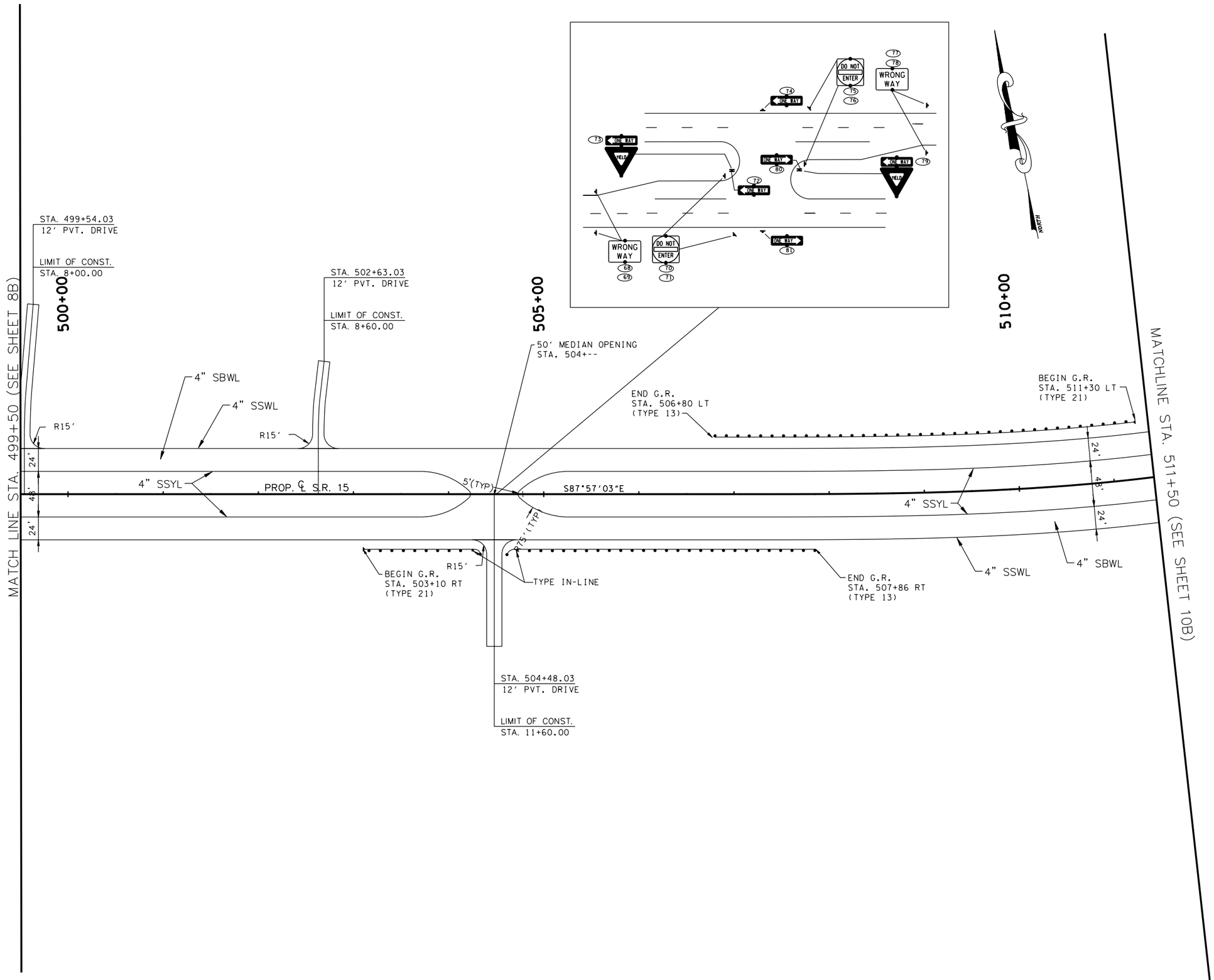
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273E
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/B3(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 499+50
TO
STA. 511+50
SCALE: 1" = 50'

8/16/2014
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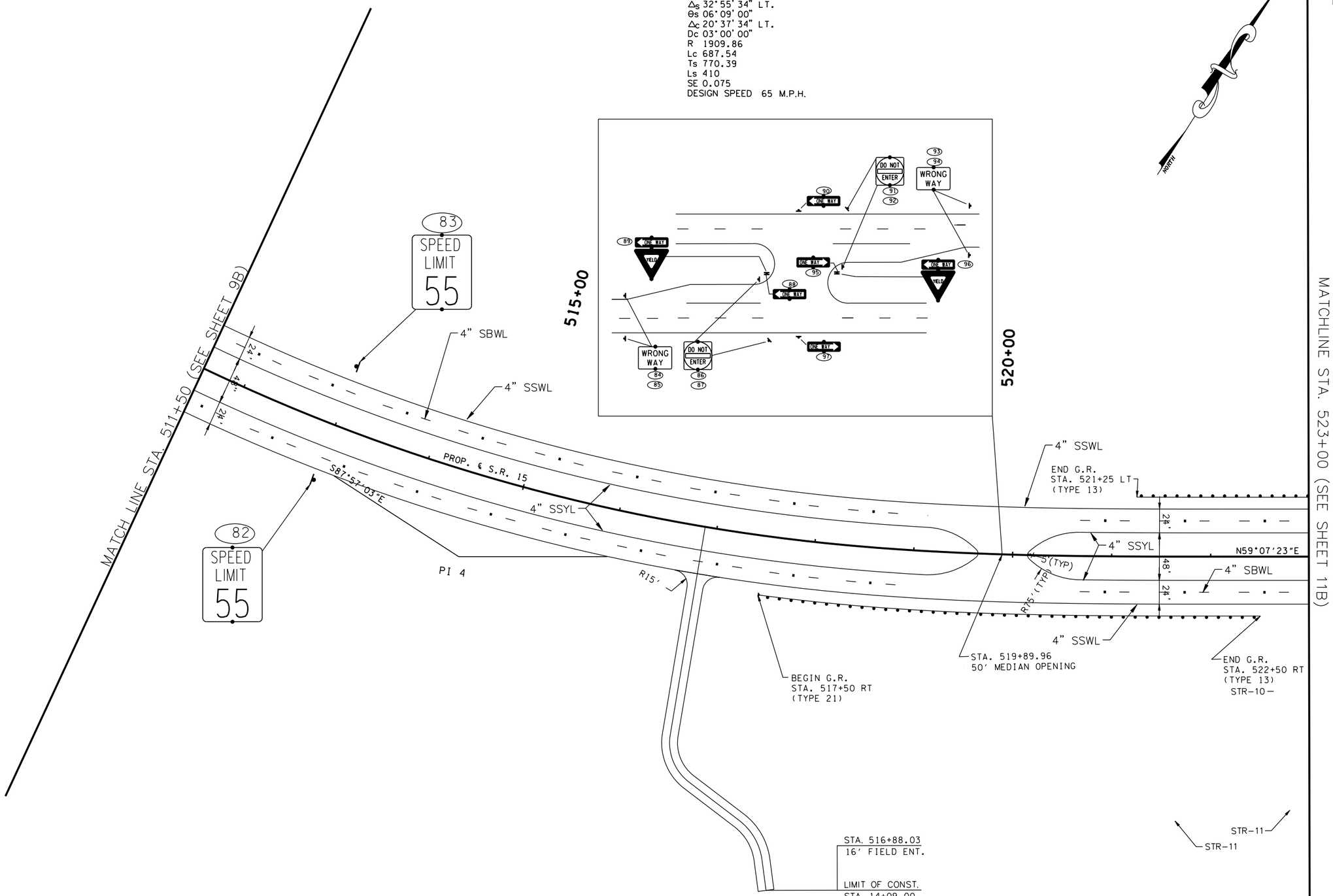
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273F
CONST	2014	36001-3290-14	

PI 4
CURVE DATA (SPIRAL)
P.I. STA. 514+73.88
N: 338578.8424
E: 1342839.7902
Δ_s 32° 55' 34" LT.
θ_s 06° 09' 00"
Δ_c 20° 37' 34" LT.
Dc 03° 00' 00"
R 1909.86
Lc 687.54
Ts 770.39
Ls 410
SE 0.075
DESIGN SPEED 65 M.P.H.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 511+50
TO
STA. 523+00
SCALE: 1" = 50'

8/16/2014
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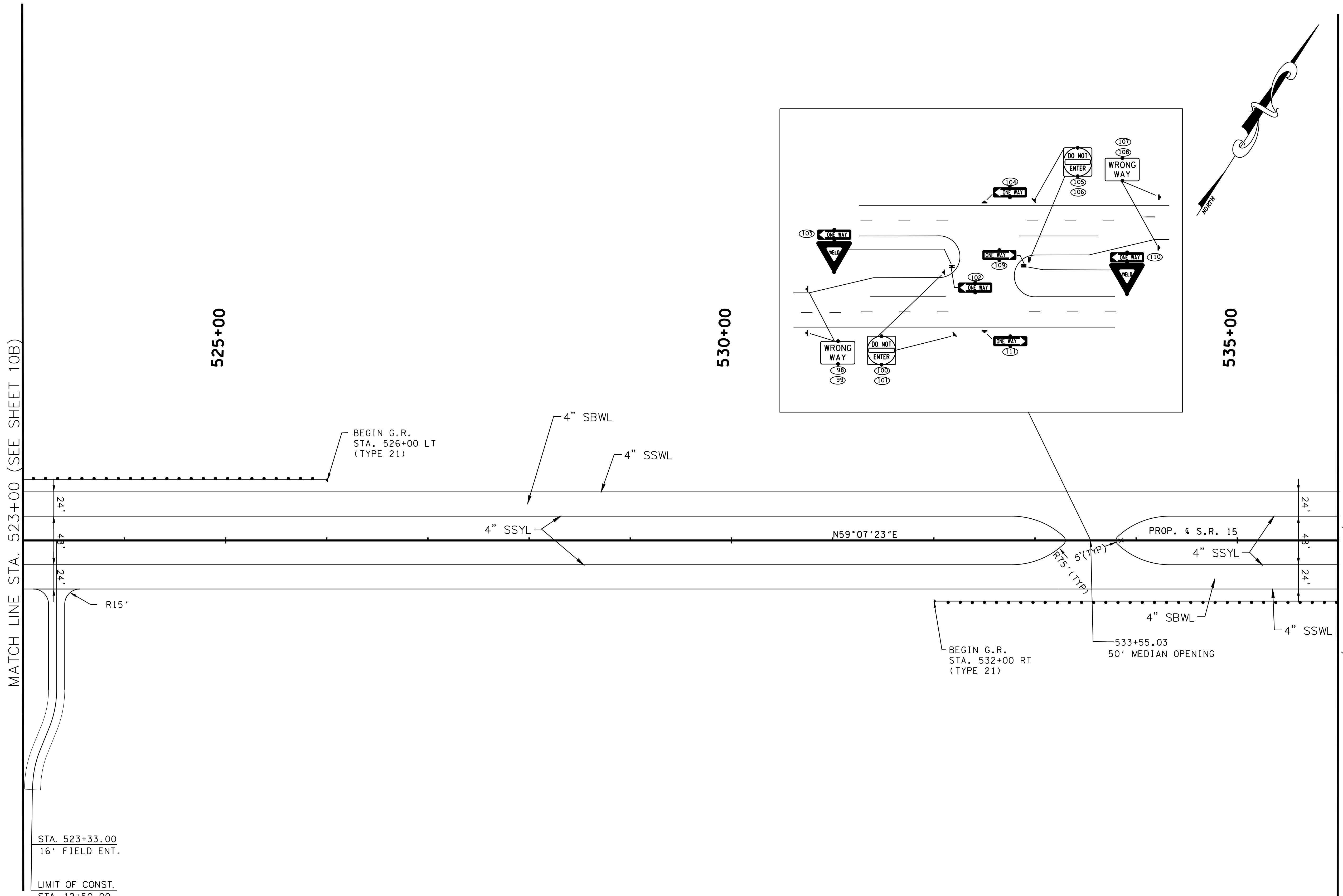
ROW

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273G
CONST	2014	36001-3290-14	



BIRDEL F. JACKSON III
REGISTERED ENGINEER
No.
STATE OF TENNESSEE
7/24/2014

COORDINATE VALUES ARE NAD/83(1995)
AND ARE DATUM ADJUSTED BY THE
FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

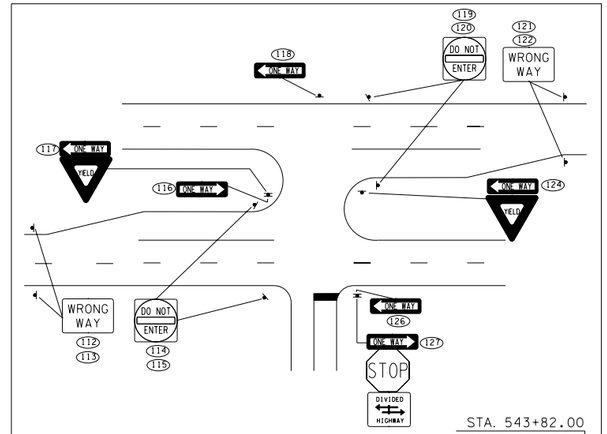
S.R. 15(U.S. HWY 64)
SIGNING & MARKING
PLAN

STA. 523+00
TO
STA. 536+00
SCALE: 1" = 50'

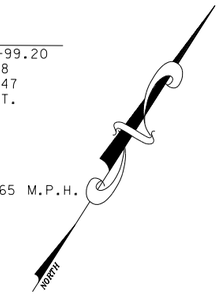
$$$$SYTIME$$$$$$
$$$$DGNSPEC$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273H
CONST	2014	36001-3290-14	



"T" INTERSECTION RIGHT SIGNING
ONE WAY & WRONG WAY



PI 6
CURVE DATA
P.I. STA.546+99.20
N: 340245.4718
E: 1345639.8547
Δ 01°01'36" LT.
Dc 00°15'00"
R 22918.32
Lc 410.72
T 205.37
SE N.C.
DESIGN SPEED 65 M.P.H.

STA. 538+08.00
12' PVT. DRIVE

LIMIT OF CONST.
STA. 7+71.00

STA. 8+31.00
12' PVT. DRIVE

LIMIT OF CONST.
STA. 9+00.00

STA. 543+82.00
12' PVT. DRIVE

LIMIT OF CONST.
STA. 8+36.00

STA. 547+25.03 ℄ S.R. 15 =
STA. 50+00.00 ℄ HIDDEN CAVE LN.
N:340259.4262
E:1345661.6148

540+00

545+00

MATCH LINE STA. 536+00 (SEE SHEET 11B)

MATCHLINE STA. 549+00 (SEE SHEET 13B)

4" SSWL

4" SBWL

END G.R.
STA. 538+40 LT
(TYPE 13)
R15'

BEGIN G.R.
STA. 542+40 LT
(TYPE 21)
R15'

4" SDYL

24" SSWL

24'

48'

24'

N59°07'23"E

4" SSYL

PI 5

PROP. ℄ S.R. 15
N59°53'01"E

PI 6

S30°45'24"E

5'

4" SSYL

R15' (TYP.)

36'

36'

24"

24" SSWL

R50' (TYP.)

R15'

4" SBWL

4" SDYL

4" SSWL

24" SSWL

PROP. ℄ HIDDEN CAVE LANE

END G.R.
STA. 538+00 RT
(TYPE 13)

R15'

R15'

R15'

STA. 540+02.00
12' PVT. DRIVE

LIMIT OF CONST.
STA. 11+40.00

STA. 541+48.00
12' PVT. DRIVE

LIMIT OF CONST.
STA. 11+22.00

STA. 542+33.00
12' PVT. DRIVE

LIMIT OF CONST.
STA. 12+54.00

129

130

131

22'

S02°02'49"W

14.64'

BEGIN PVMT. TRANS.
STA. 52+90.00

LIMIT OF CONST.
STA. 53+50.00

PI 5
CURVE DATA
P.I. STA.542+04.87
N: 339997.4377
E: 1345212.2530
Δ 00°45'39" RT.
Dc 00°15'00"
R 22918.32
Lc 304.29
T 152.15
SE N.C.
DESIGN SPEED 65 M.P.H.

HIDDEN CAVE LANE
CURVE DATA
P.I. STA54+03.60
N: 339879.7634
E: 1345747.8915
Δ 33° 03' 42" RT.
Dc 114° 35' 30"
R 50.00
Lc 28.45
T 14.84
SE
DESIGN SPEED M.P.H.
TRANSITION LENGTH .

HIDDEN CAVE LANE
CURVE DATA
P.I. STA51+84.07
N: 340101.2458
E: 1345755.7474
Δ 32° 48' 13" RT.
Dc 44° 00' 00"
R 130.22
Lc 74.56
T 38.33
SE .078
DESIGN SPEED 20 M.P.H.
TRANSITION LENGTH .160

COORDINATE VALUES ARE NAD/83(1995)
AND ARE DATUM ADJUSTED BY THE
FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING
PLAN
STA. 536+00
TO
STA. 549+00
SCALE: 1" = 50'

8/16/2014
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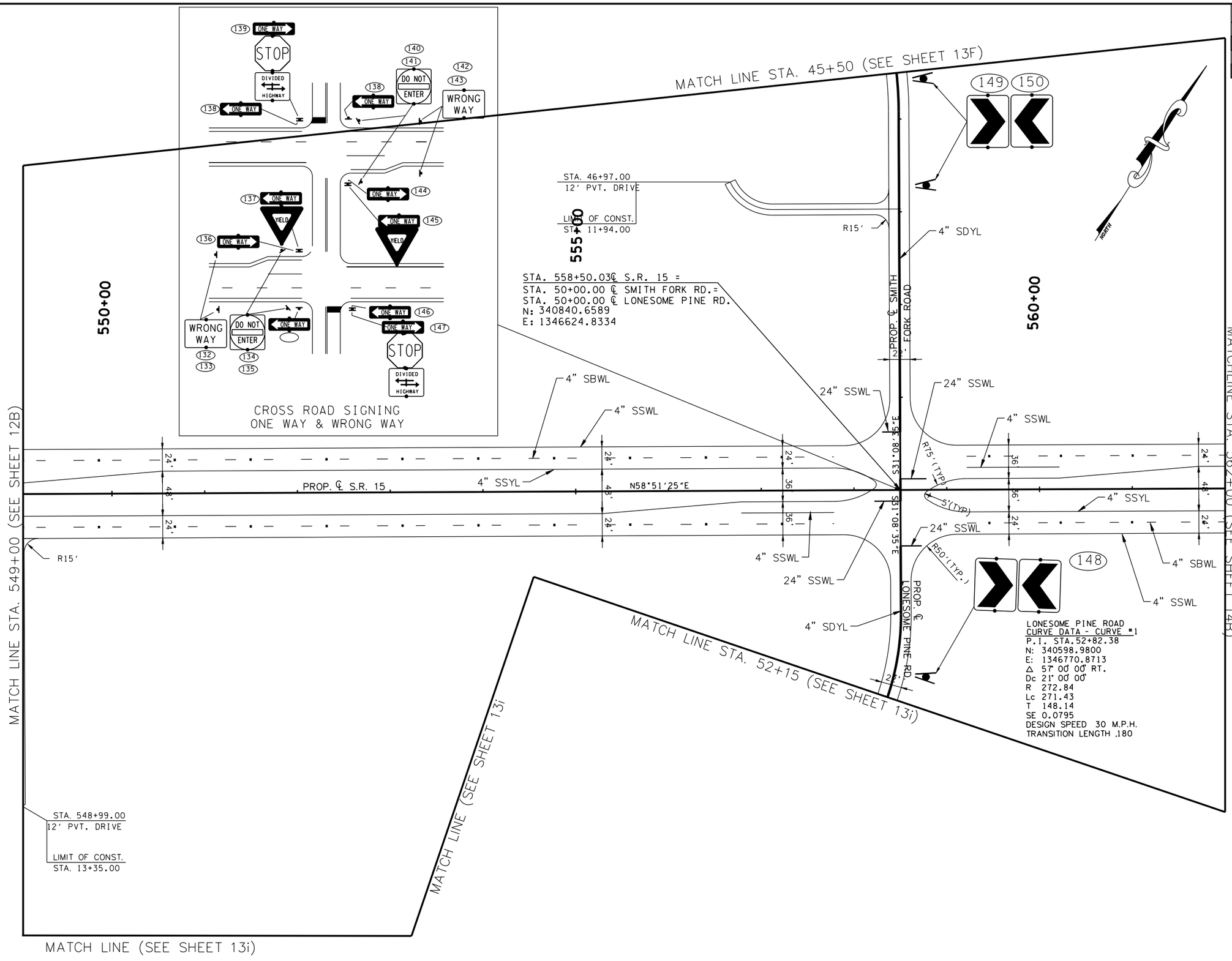
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273i
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
PROPOSED LAYOUT
STA. 549+00
TO
STA. 562+00
SCALE: 1" = 50'

8/16/2014
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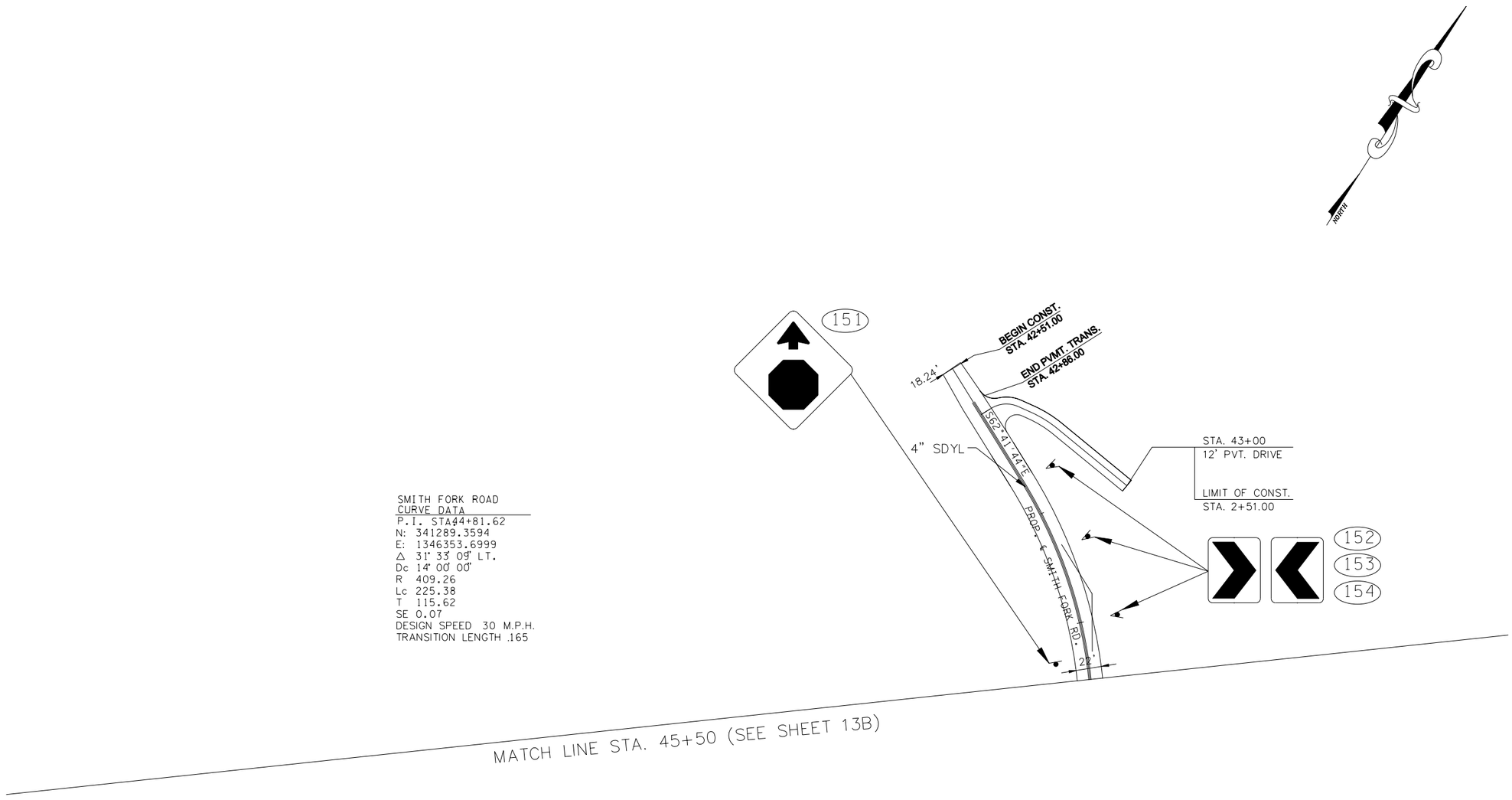
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273J
CONST	2014	36001-3290-14	



SMITH FORK ROAD
CURVE DATA

P.I. STA 44+81.62
N: 341289.3594
E: 1346353.6999
Δ 31° 33' 09" LT.
Dc 14° 00' 00"
R 409.26
Lc 225.38
T 115.62
SE 0.07
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .165

BIRDEL T. JACKSON III
REGISTERED ENGINEER
No. 112
STATE OF TENNESSEE
8/6/2014

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

SIGNING & MARKING PLAN

SMITH FORK ROAD

SCALE: 1" = 50'

8/6/2014
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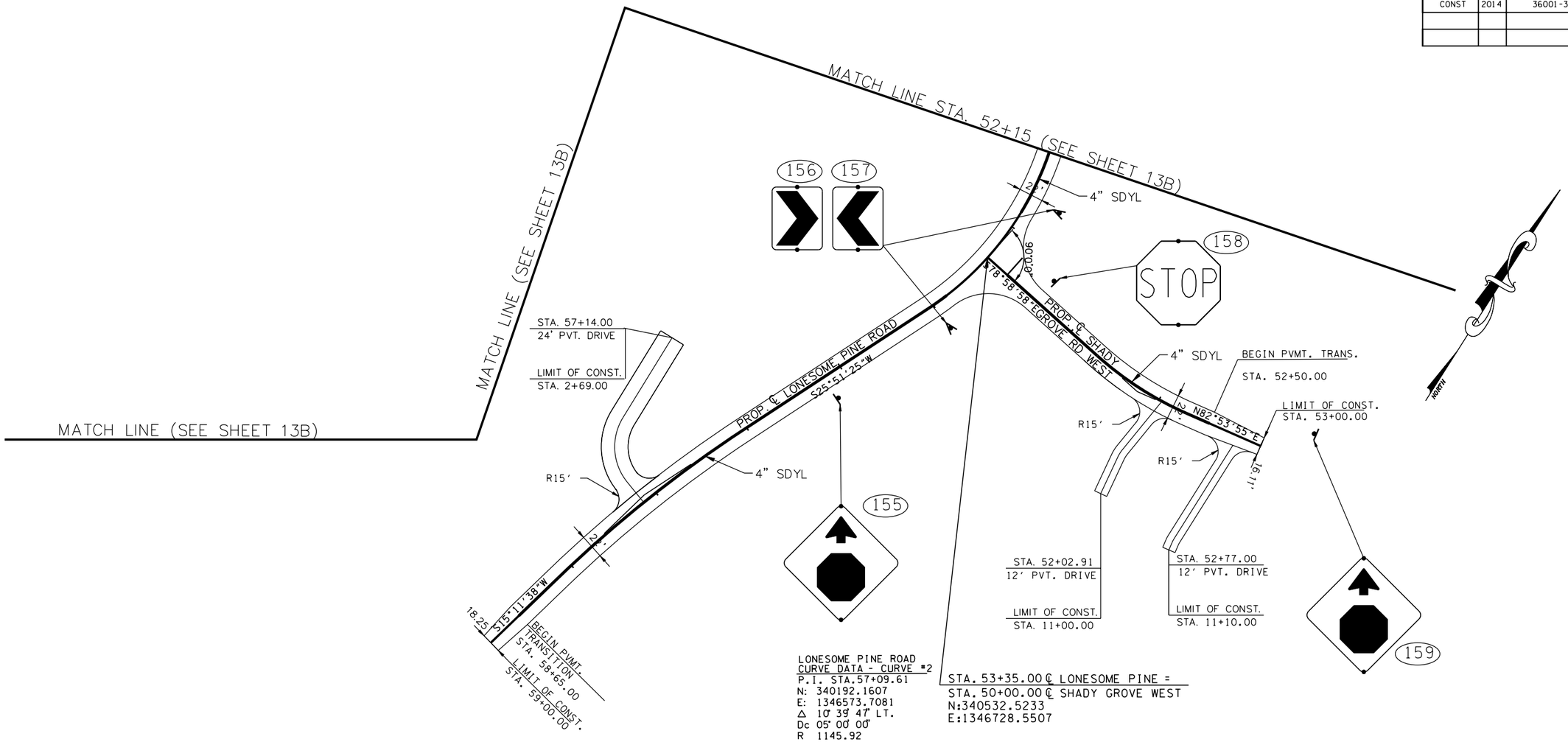
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273K
CONST	2014	36001-3290-14	



LONESOME PINE ROAD
CURVE DATA - CURVE #2
P.I. STA.57+09.61
N: 340192.1607
E: 1346573.7081
Δ 10° 39' 47" LT.
Dc 05° 00' 00"
R 1145.92
Lc 213.26
T 106.94
SE 0.0795
DESIGN SPEED 30 M.P.H.
TRANSITION LENGTH .105

STA. 53+35.00 ℄ LONESOME PINE =
STA. 50+00.00 ℄ SHADY GROVE WEST
N:340532.5233
E:1346728.5507

SHADY GROVE ROAD WEST
CURVE DATA
P.I. STA51+80.00
N: 340498.1253
E: 1346905.2291
Δ 18° 07' 07" LT.
Dc 19° 00' 00"
R 301.56
Lc 95.36
T 48.08
SE .05
DESIGN SPEED 20 M.P.H.
TRANSITION LENGTH .120

BIRDEL E. JACKSON III
STATE OF TENNESSEE

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
LONESOME PINE ROAD
AND
SHADY GROVE ROAD WEST
SCALE: 1" = 50'

8/16/2014
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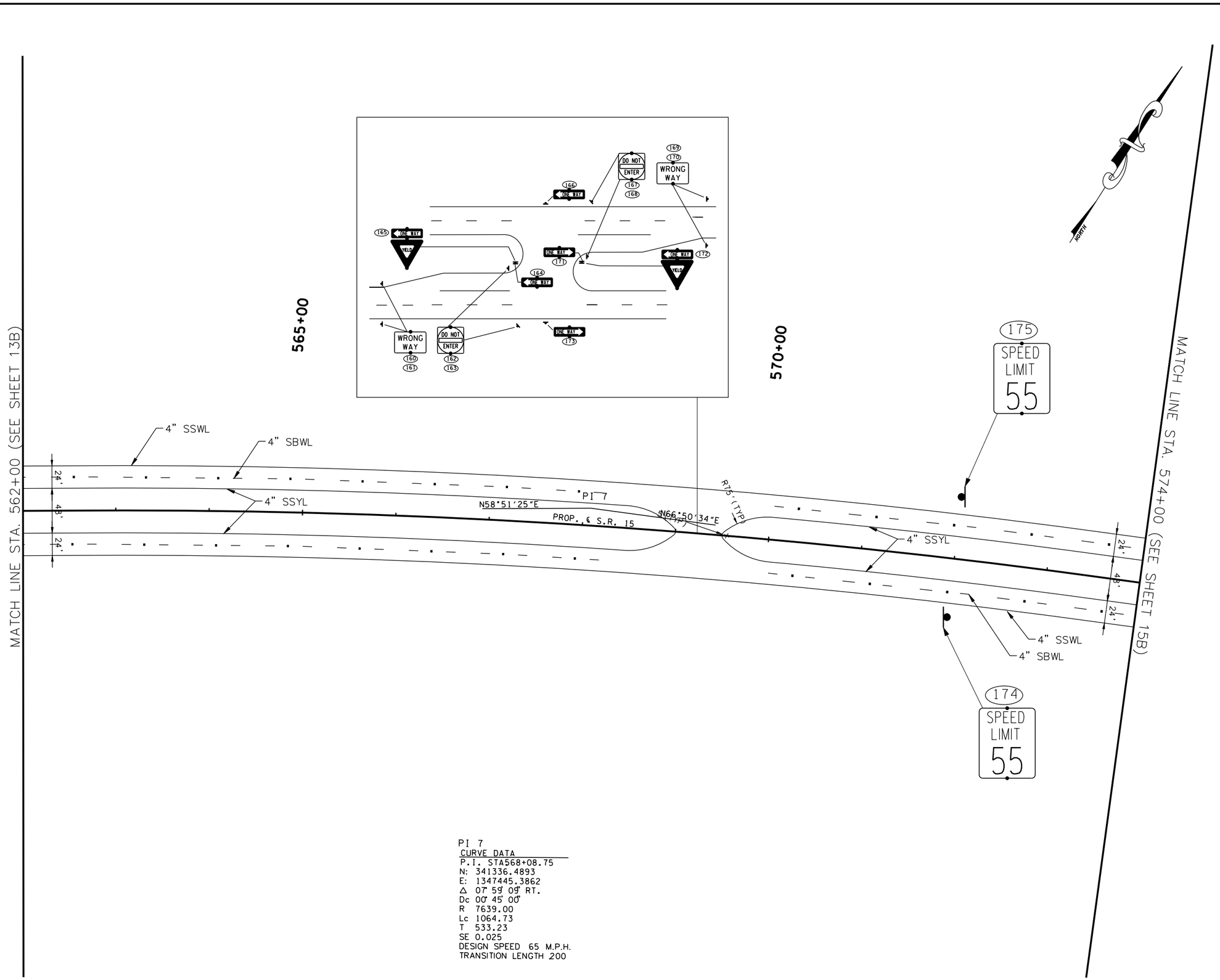
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273L
CONST	2014	36001-3290-14	



PI 7
CURVE DATA
P.I. STA568+08.75
N: 341336.4893
E: 1347445.3862
Δ 07° 59' 09" RT.
Dc 00° 45' 00"
R 7639.00
Lc 1064.73
T 533.23
SE 0.025
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 562+00
TO
STA. 574+00
SCALE: 1" = 50'

8/6/2014
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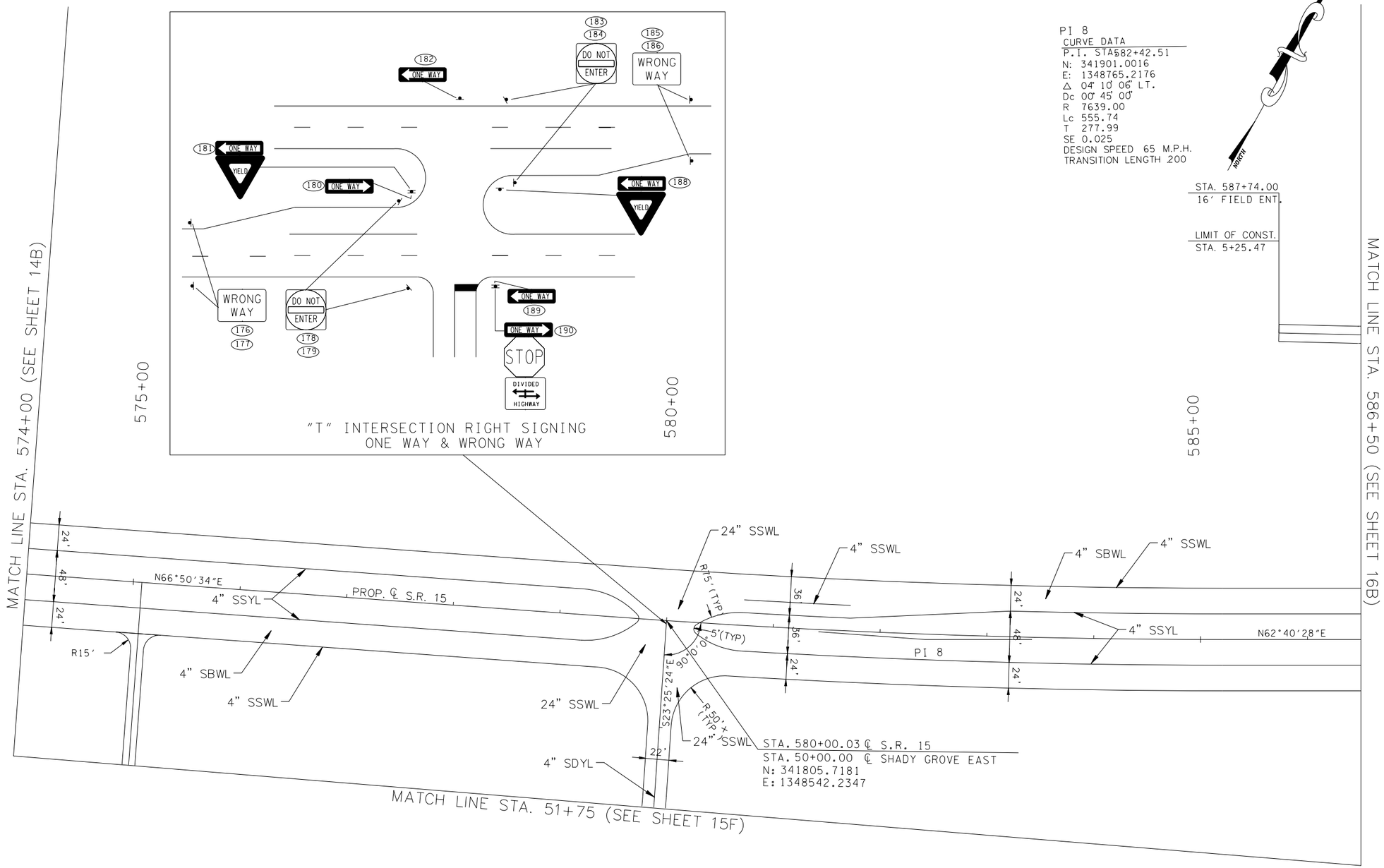
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273M
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

SIGNING & MARKING PLANS

STA. 574+00
TO
STA. 586+50

SCALE: 1" = 50'

8/16/2014
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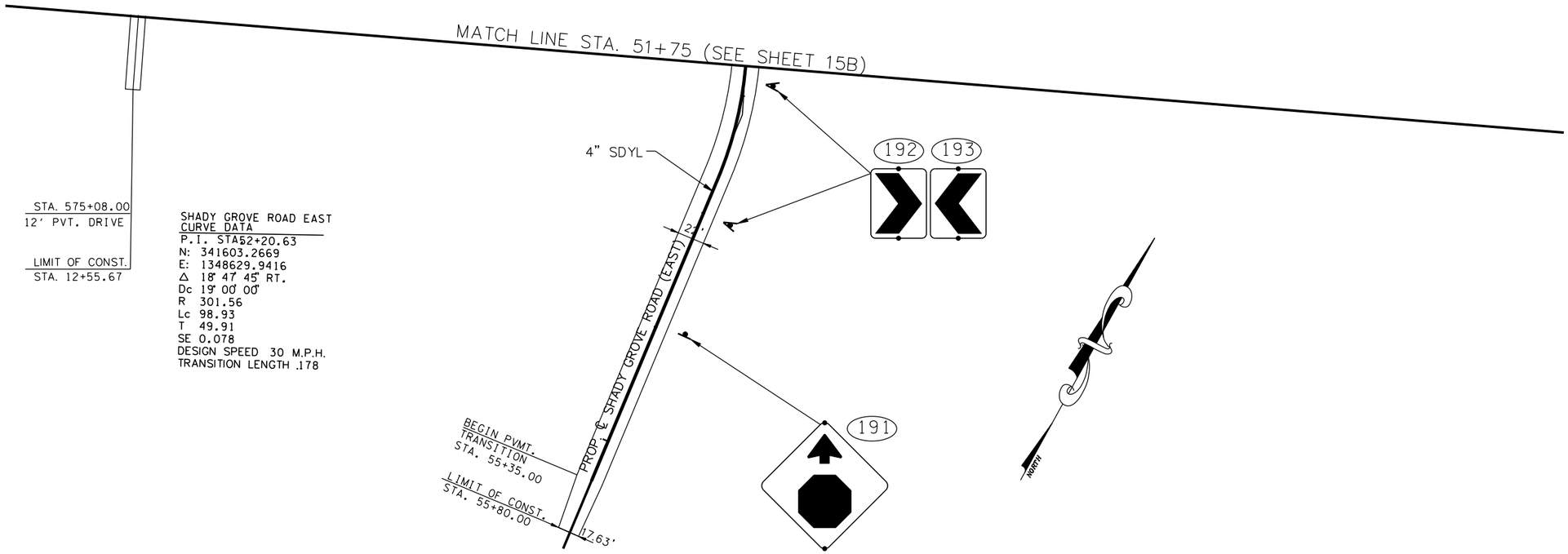
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273N
CONST	2014	36001-3290-14	

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



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN

SHADY GROVE ROAD EAST

SCALE: 1" = 50'

8/16/2014
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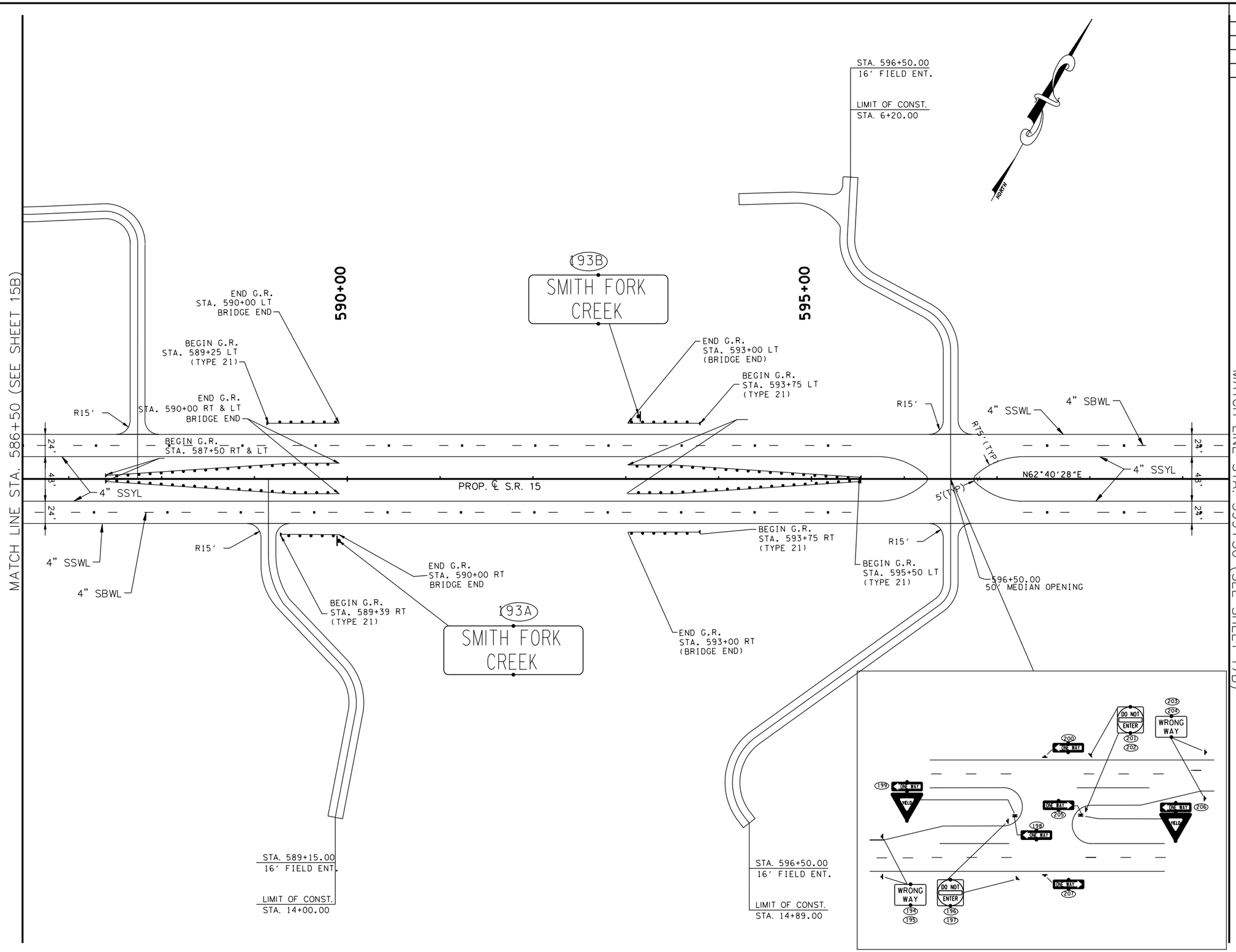
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	2730
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 586+50
TO
STA. 599+50
SCALE: 1" = 50'

8/16/2014
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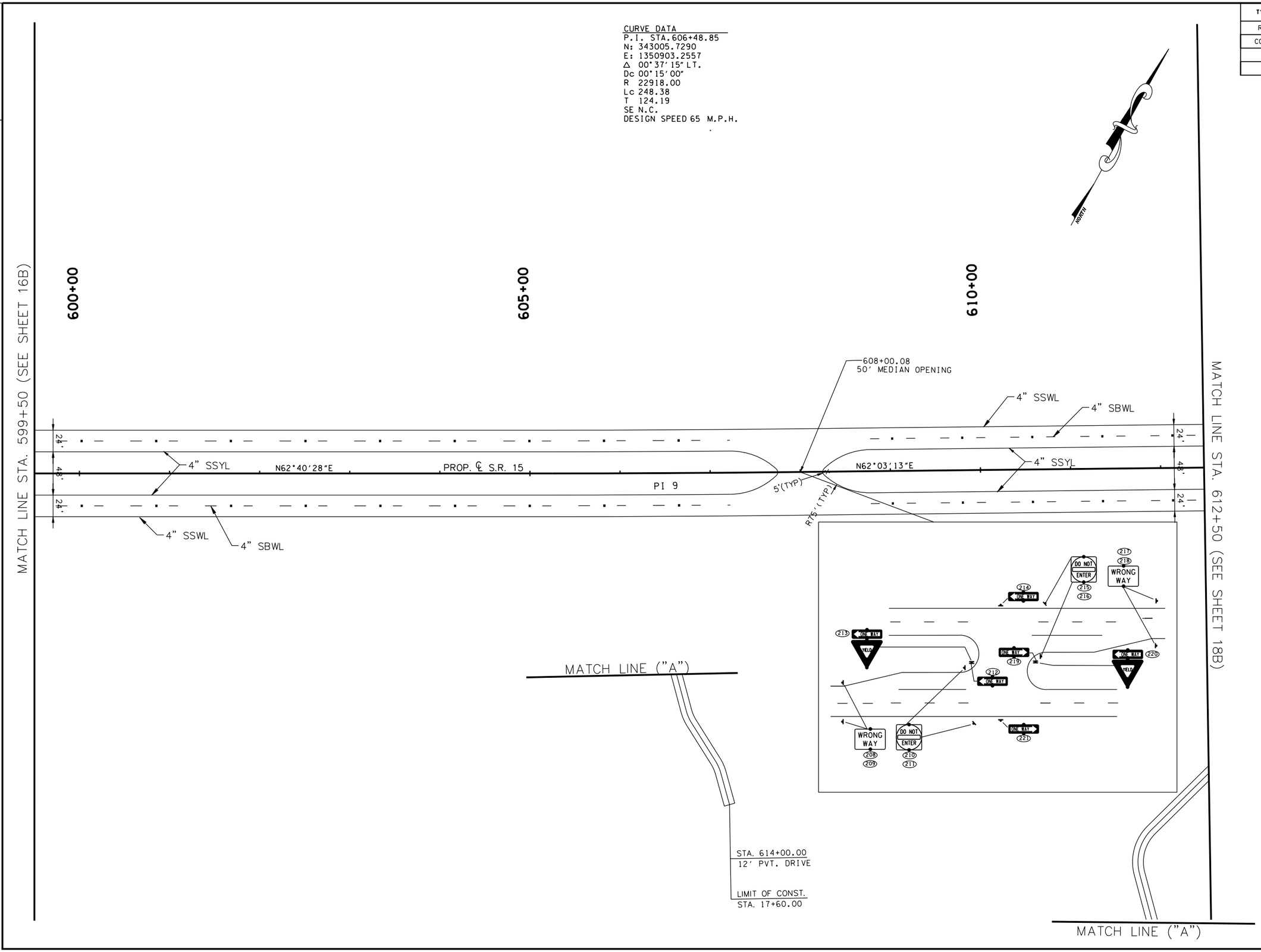
ROW

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273P
CONST	2014	36001-3290-14	

CURVE DATA
P.I. STA.606+48.85
N: 343005.7290
E: 1350903.2557
Δ 00°37′15″ LT.
Dc 00°15′00″
R 22918.00
Lc 248.38
T 124.19
SE N.C.
DESIGN SPEED 65 M.P.H.



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 599+50
TO
STA. 612+50
SCALE: 1" = 50'

8/16/2014
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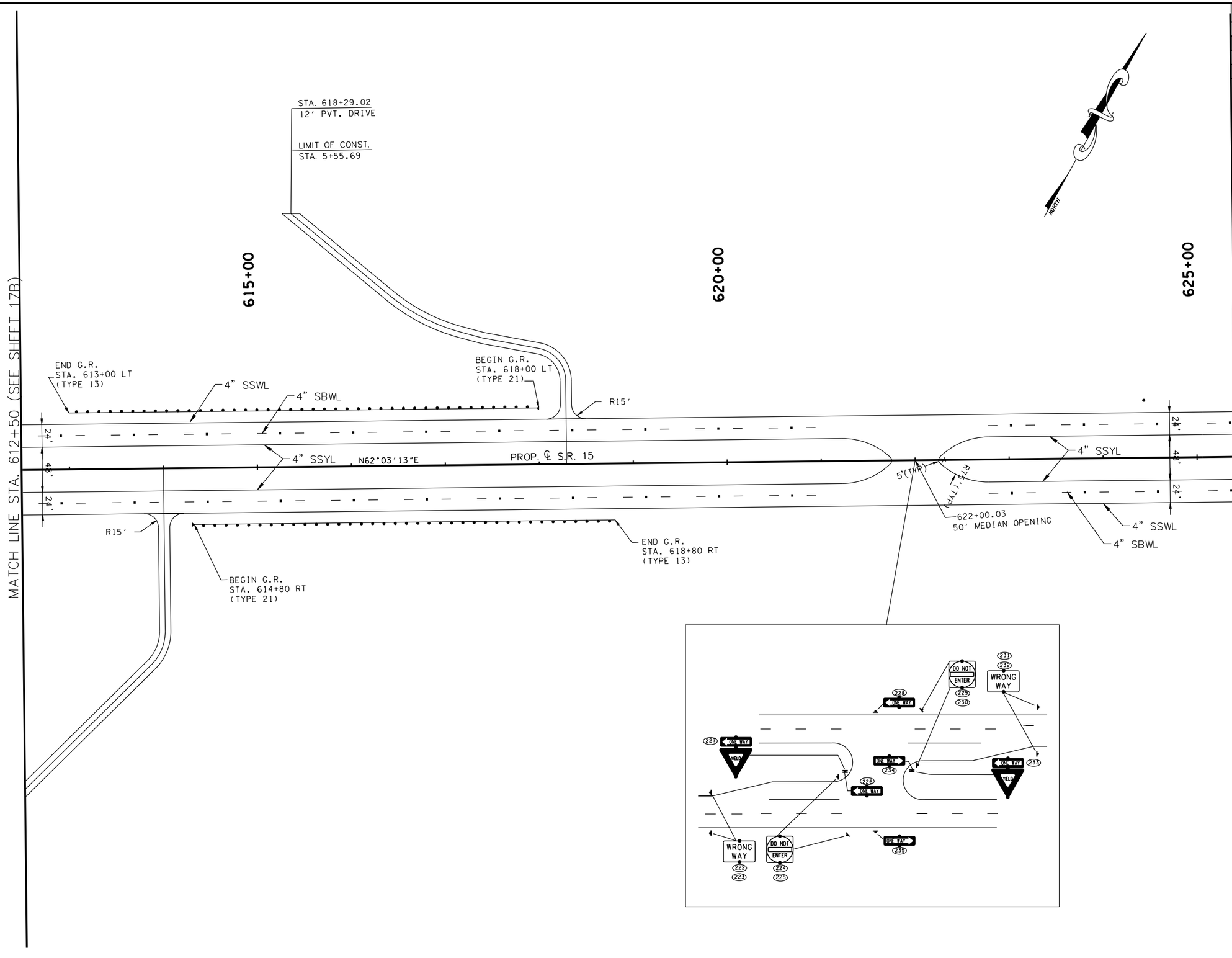
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273Q
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 612+50
TO
STA. 625+50
SCALE: 1" = 50'

8/16/2014
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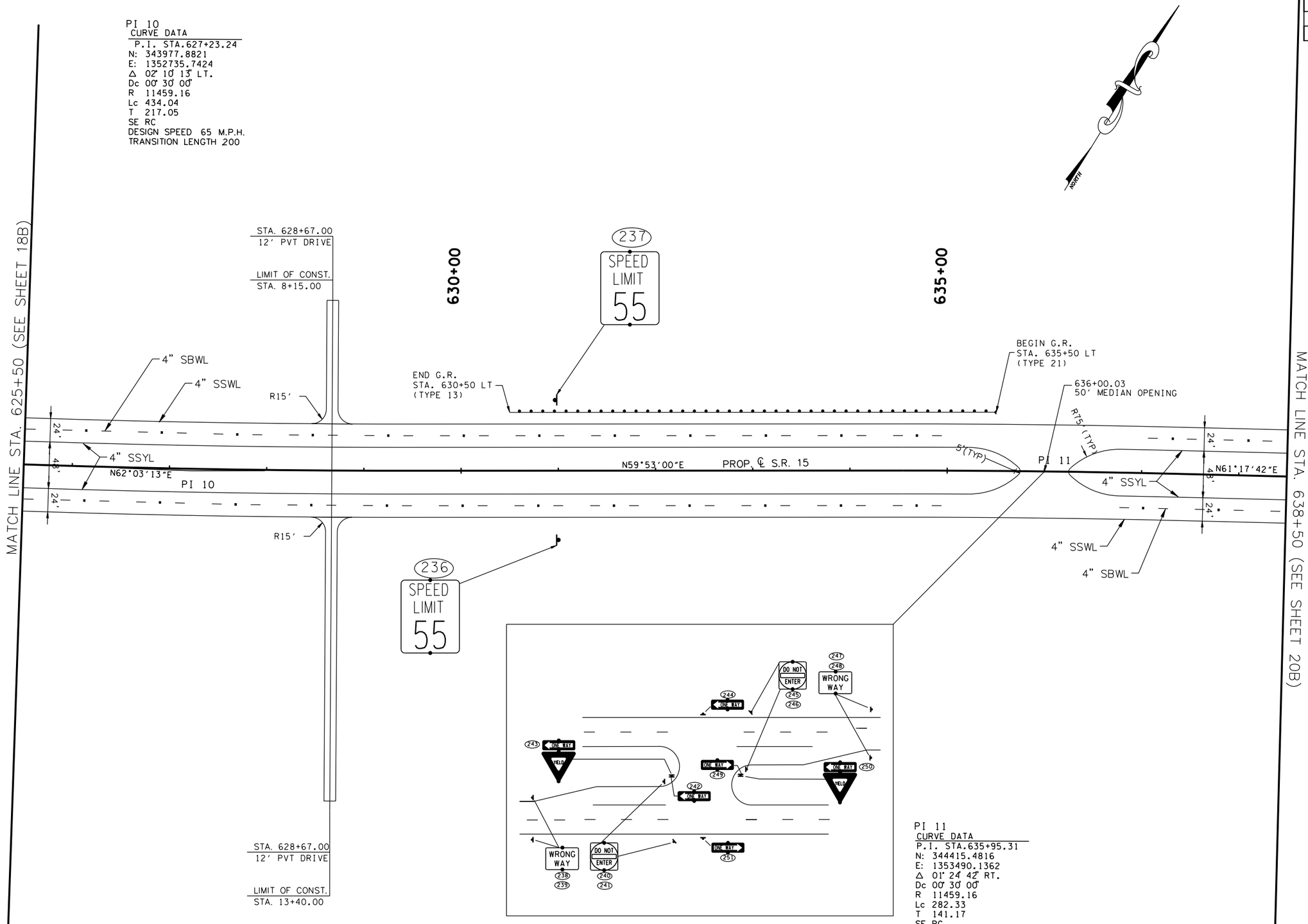
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273R
CONST	2014	36001-3290-14	

PI 10
CURVE DATA
P.I. STA.627+23.24
N: 343977.8821
E: 1352735.7424
Δ 02° 10' 13" LT.
Dc 00° 30' 00"
R 11459.16
Lc 434.04
T 217.05
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200



PI 11
CURVE DATA
P.I. STA.635+95.31
N: 344415.4816
E: 1353490.1362
Δ 01° 24' 42" RT.
Dc 00° 30' 00"
R 11459.16
Lc 282.33
T 141.17
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 625+50
TO
STA. 638+50
SCALE: 1" = 50'

8/16/2014
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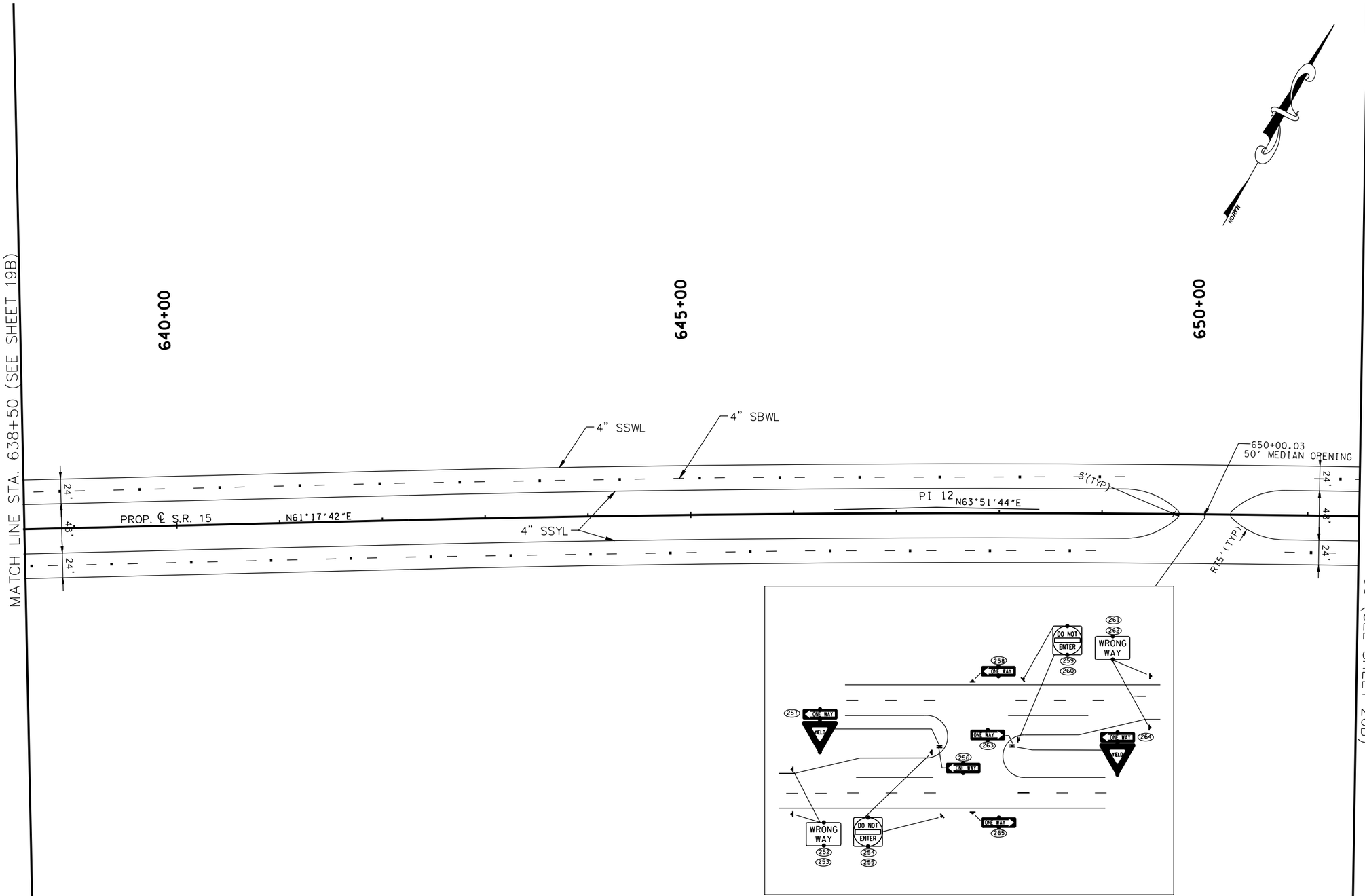
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273S
CONST	2014	36001-3290-14	



PI 12
CURVE DATA
P.I. STA.647+39.11
N: 344964.8551
E: 1354493.3792
Δ 02°34'02" RT.
Dc 00°15'00"
R 22918.31
Lc 1026.92
T 513.54
SE NC
DESIGN SPEED 65 M.P.H.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 638+50
TO
STA. 651+50
SCALE: 1" = 50'

8/16/2014
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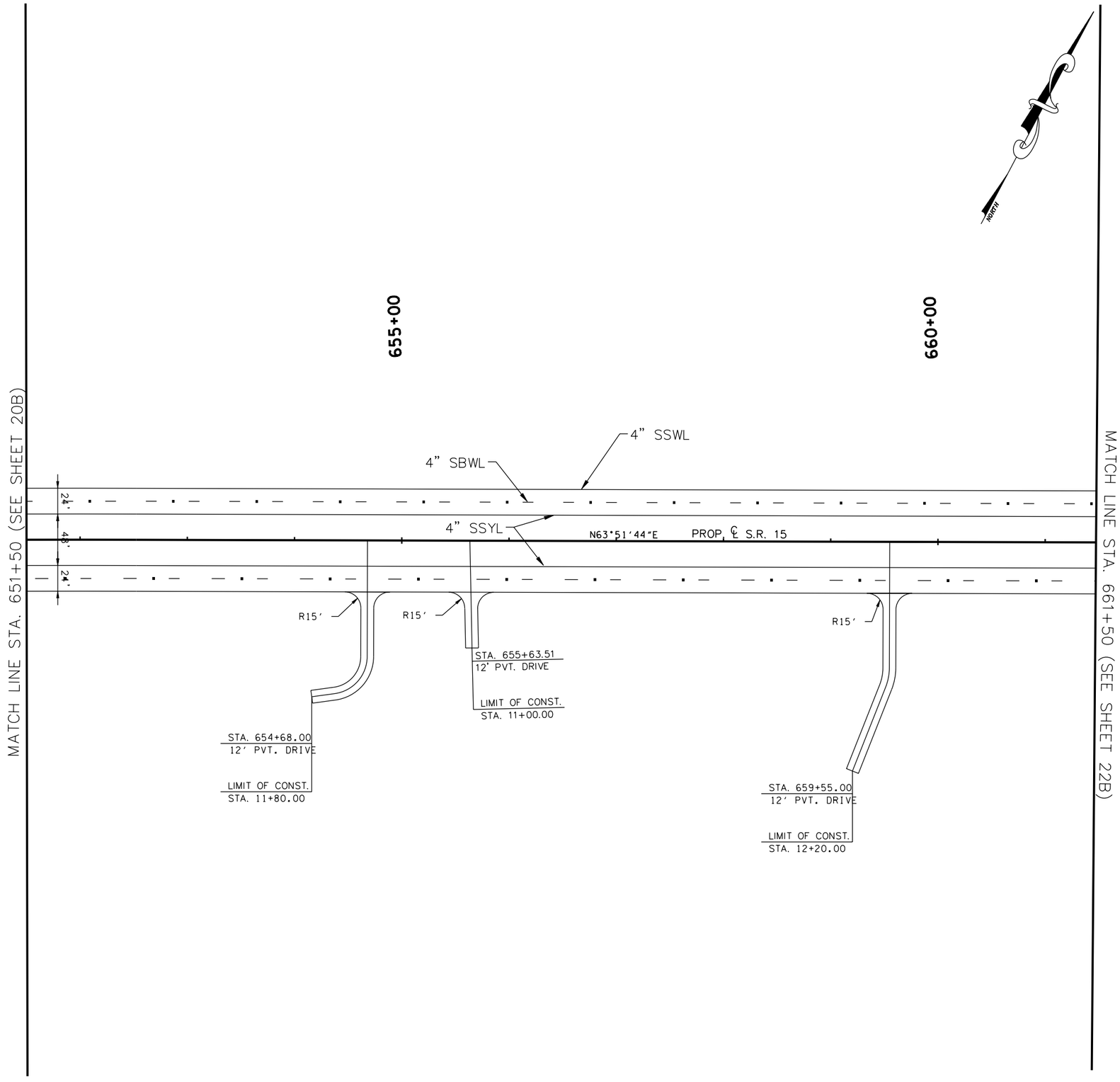
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273T
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLANS
STA. 651+50
TO
STA. 661+50
SCALE: 1" = 50'

8/16/2014
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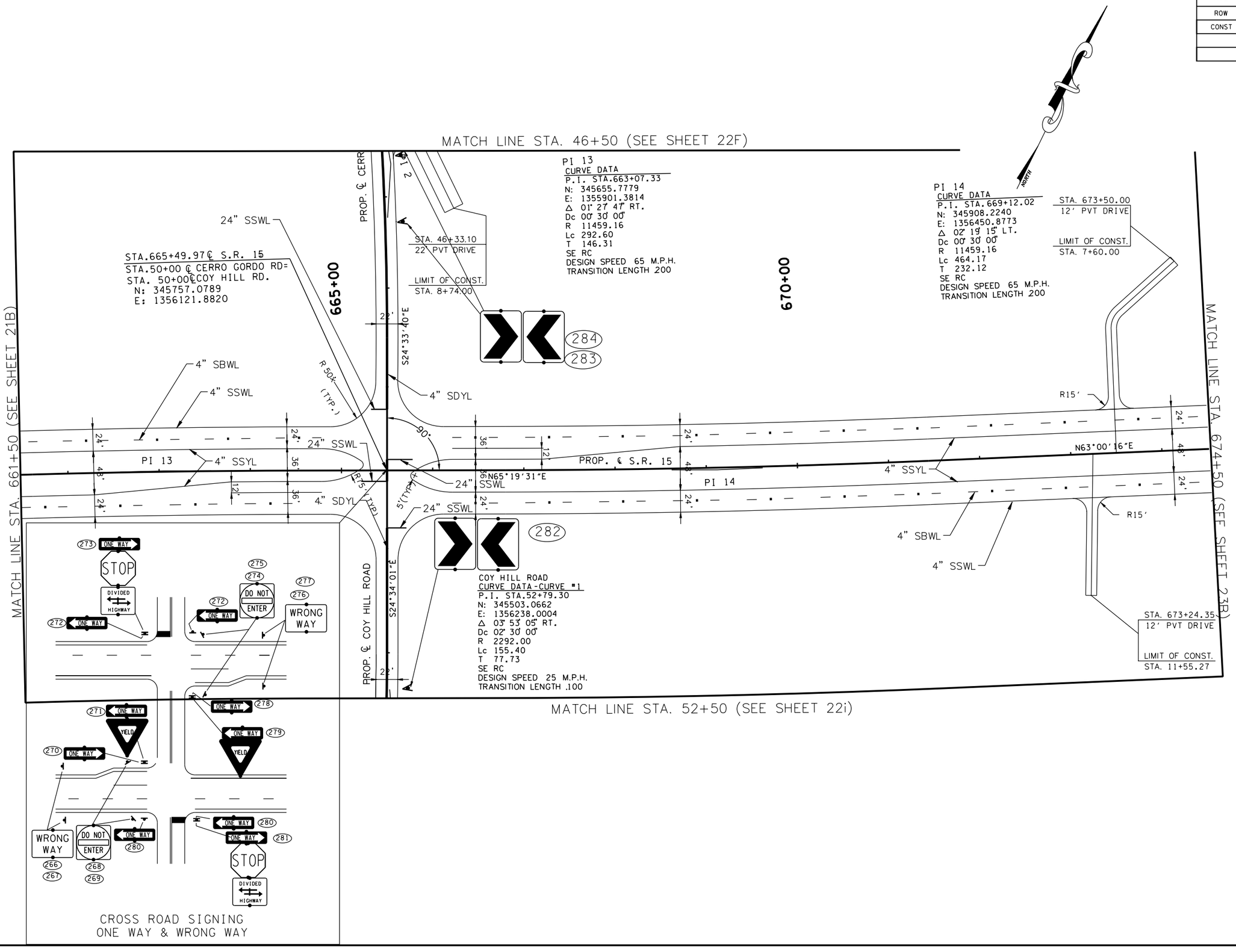
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273U
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLANS
STA. 661+50
TO
STA. 674+50
SCALE: 1" = 50'

8/16/2014
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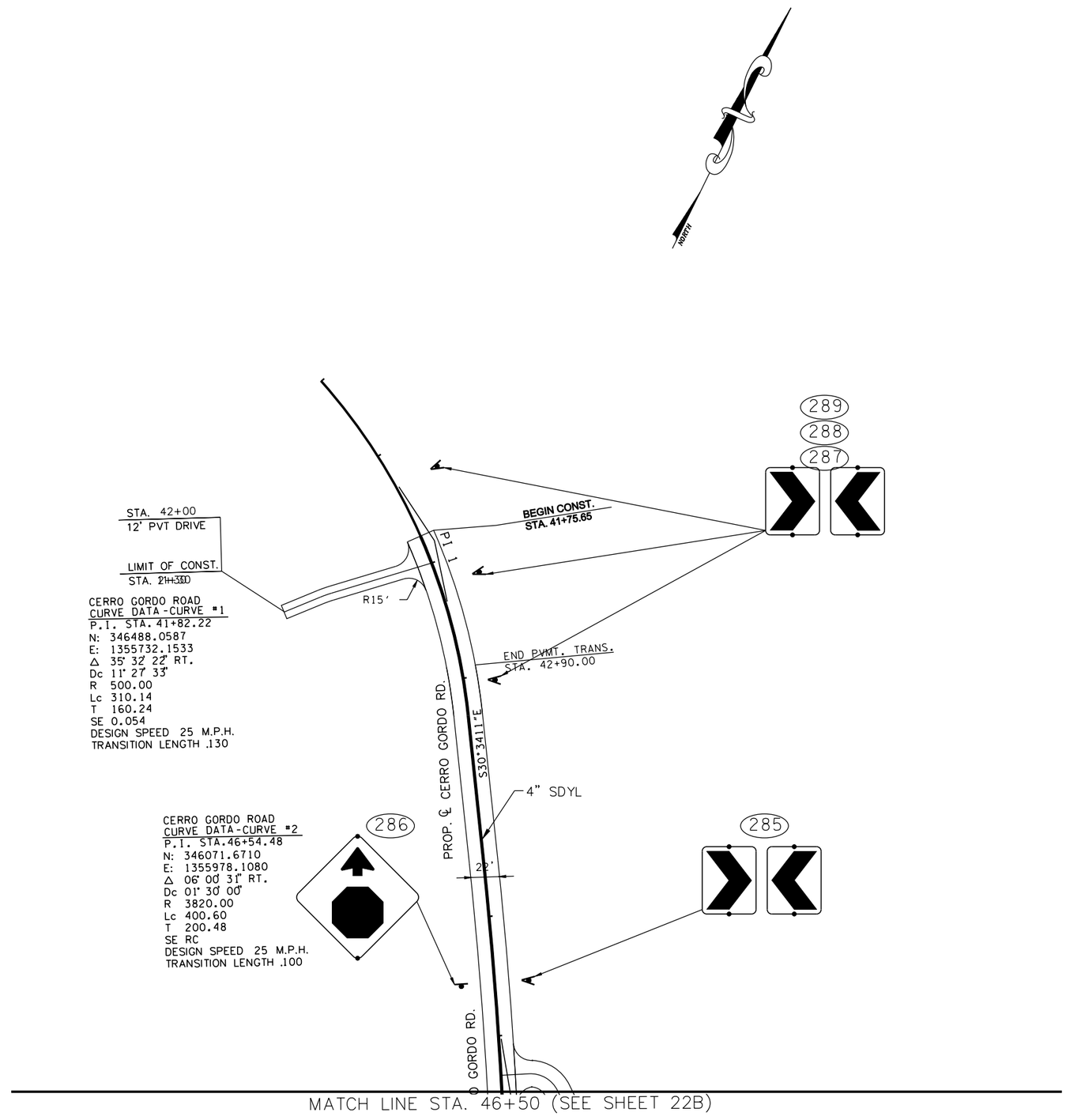
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273V
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

SIGNING & MARKING PLAN

CERRO GORDO ROAD

SCALE: 1" = 50'

8/16/2014
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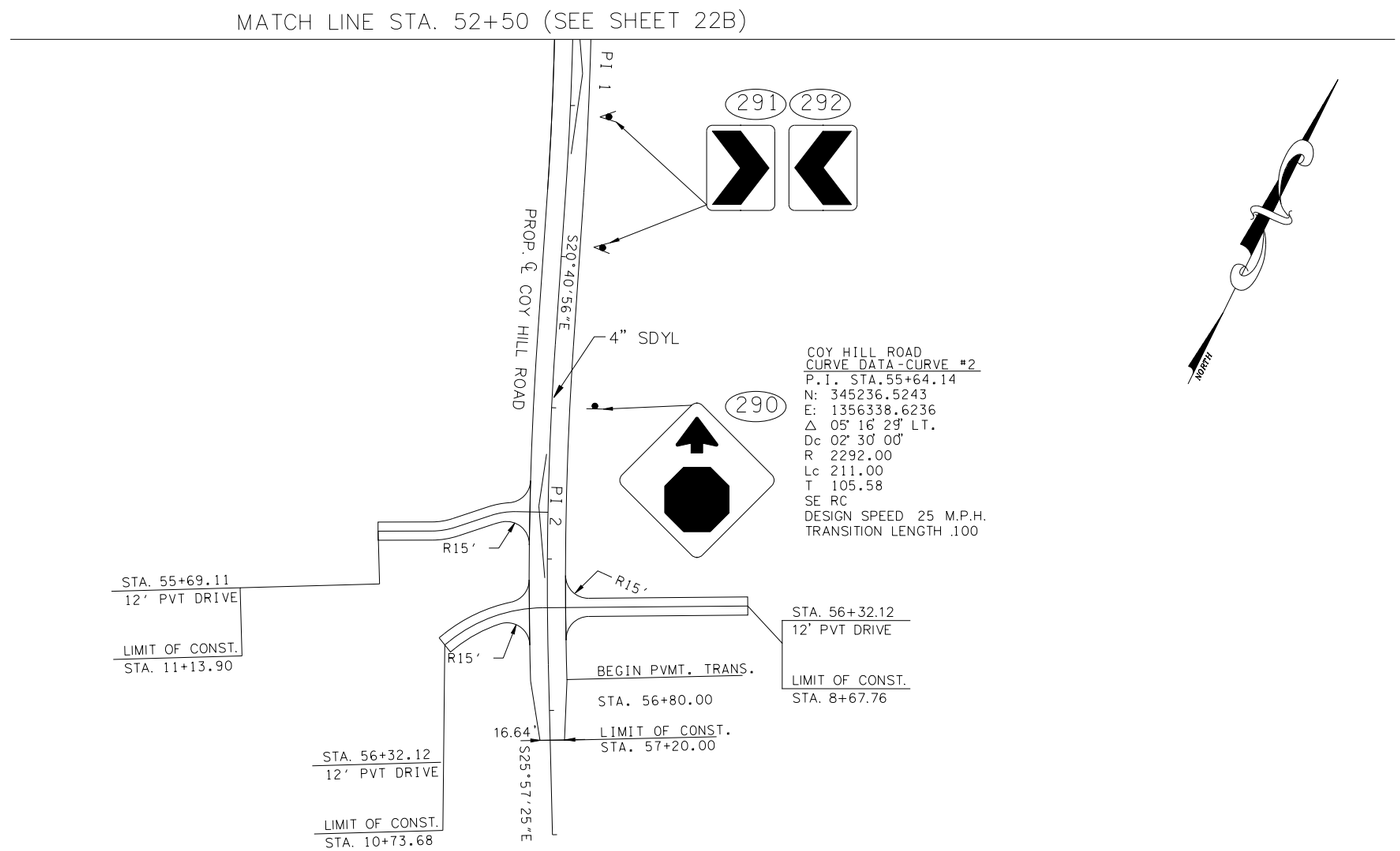
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273W
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)

SIGNING & MARKING PLAN
COY HILL ROAD

SCALE: 1" = 50'

8/16/2014
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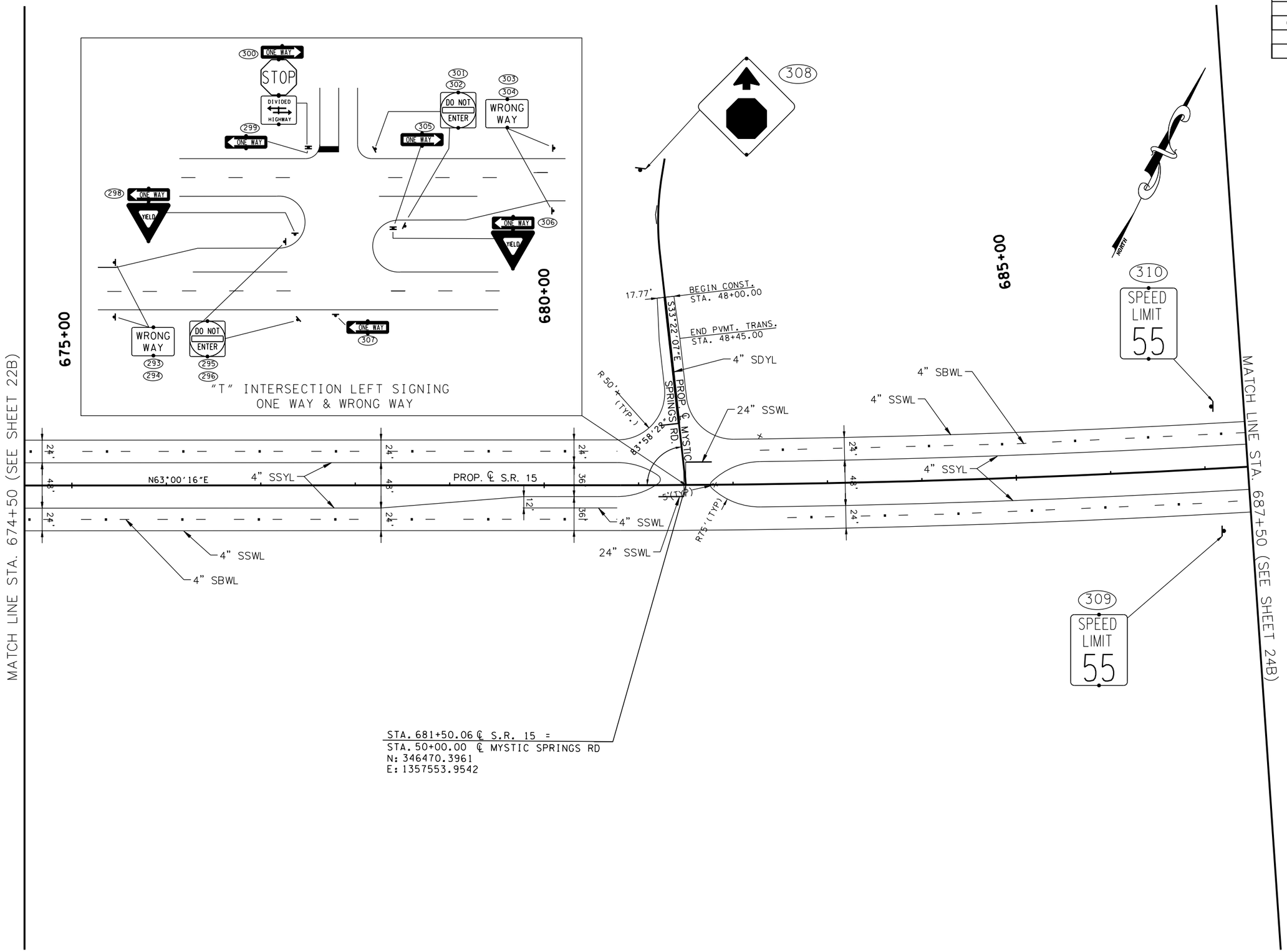
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273X
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 674+50
TO
STA. 687+50
SCALE: 1" = 50'

8/6/2014
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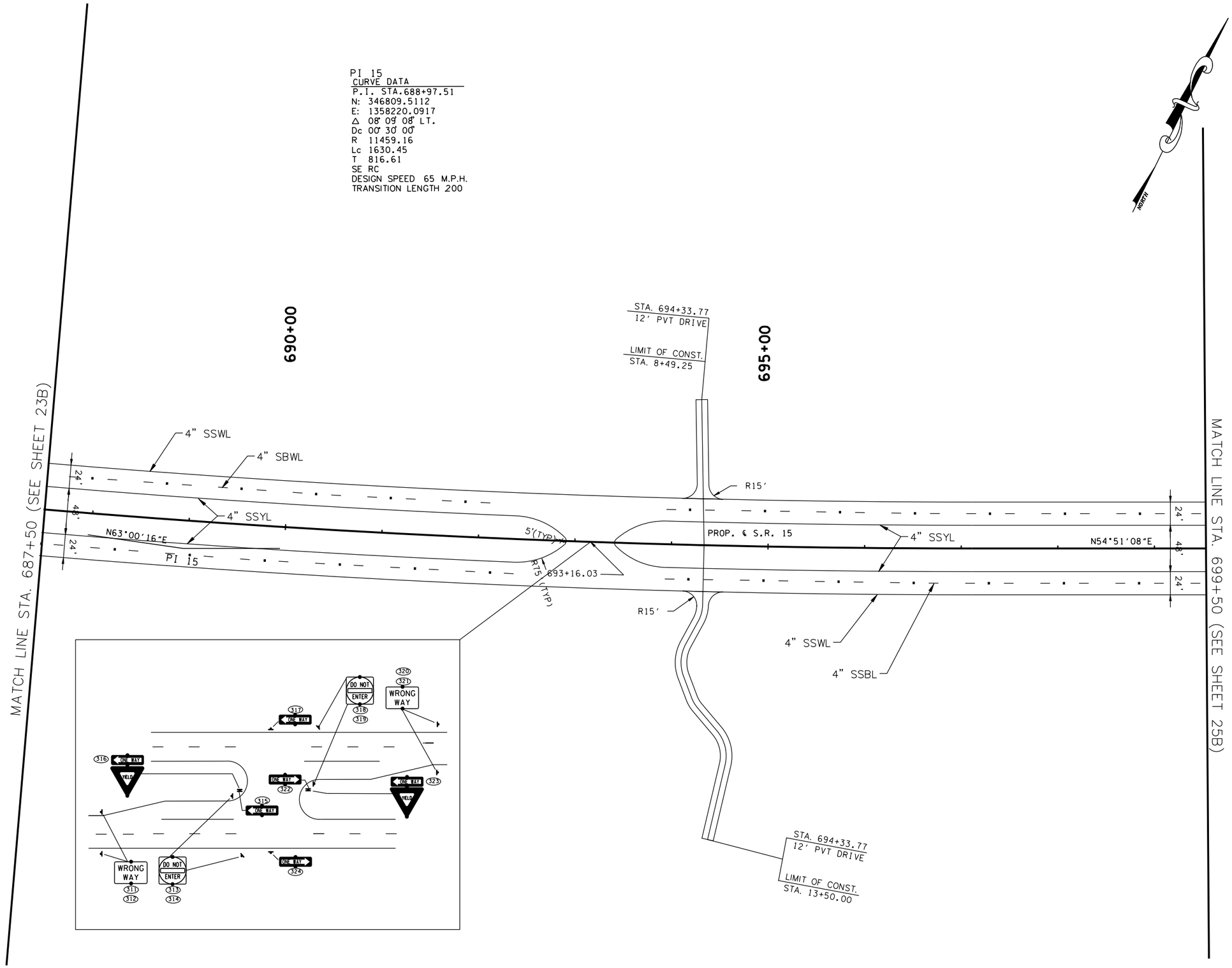
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273Y
CONST	2014	36001-3290-14	

PI 15
CURVE DATA
P.I. STA.688+97.51
N: 346809.5112
E: 1358220.0917
Δ 08° 09' 08" LT.
Dc 00° 30' 00"
R 11459.16
Lc 1630.45
T 816.61
SE RC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 687+50
TO
STA. 699+50
SCALE: 1" = 50'

8/16/2014
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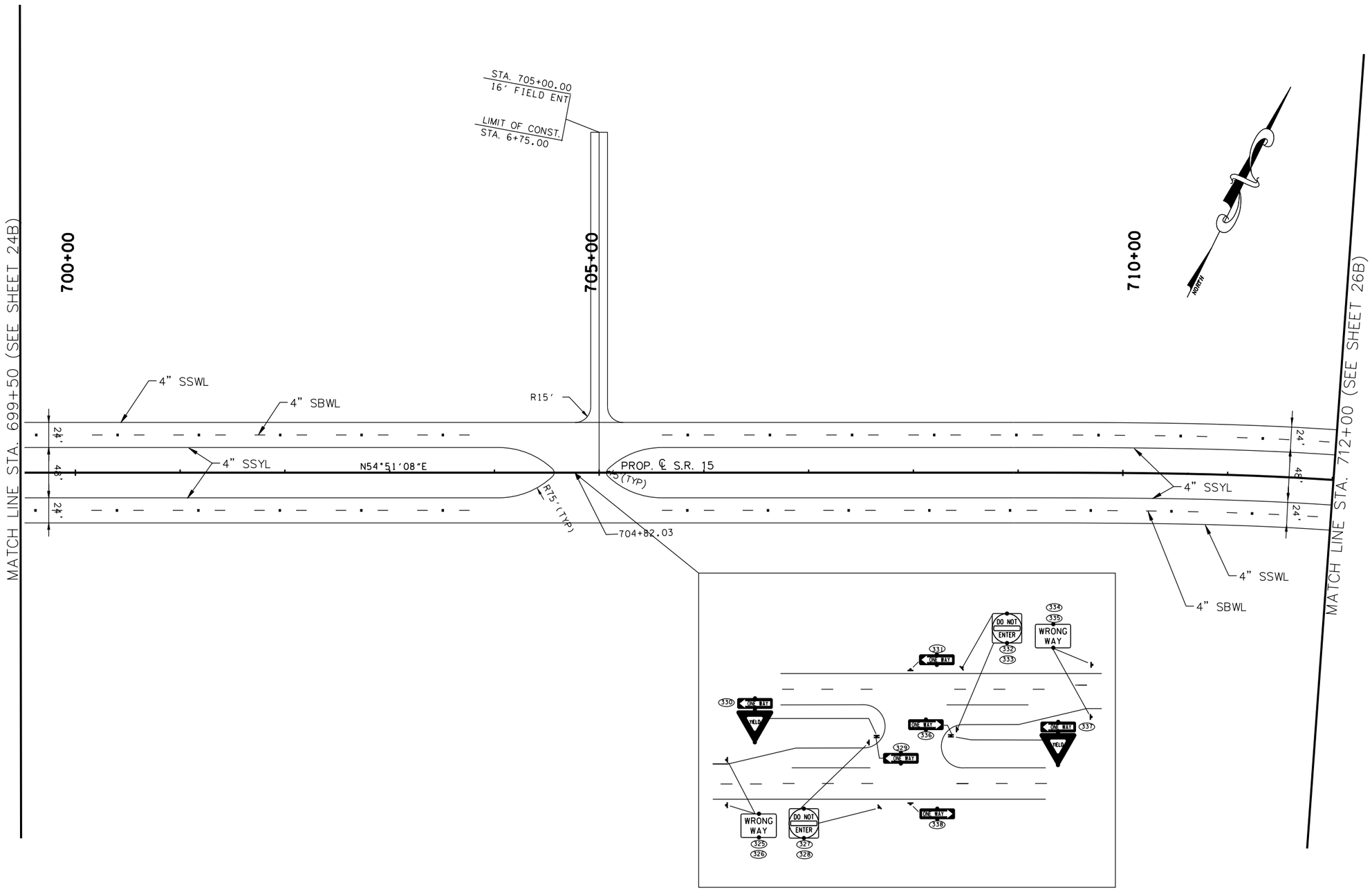
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273Z
CONST	2014	36001-3290-14	

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



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 699+50
TO
STA. 712+00
SCALE: 1" = 50'

8/16/2014
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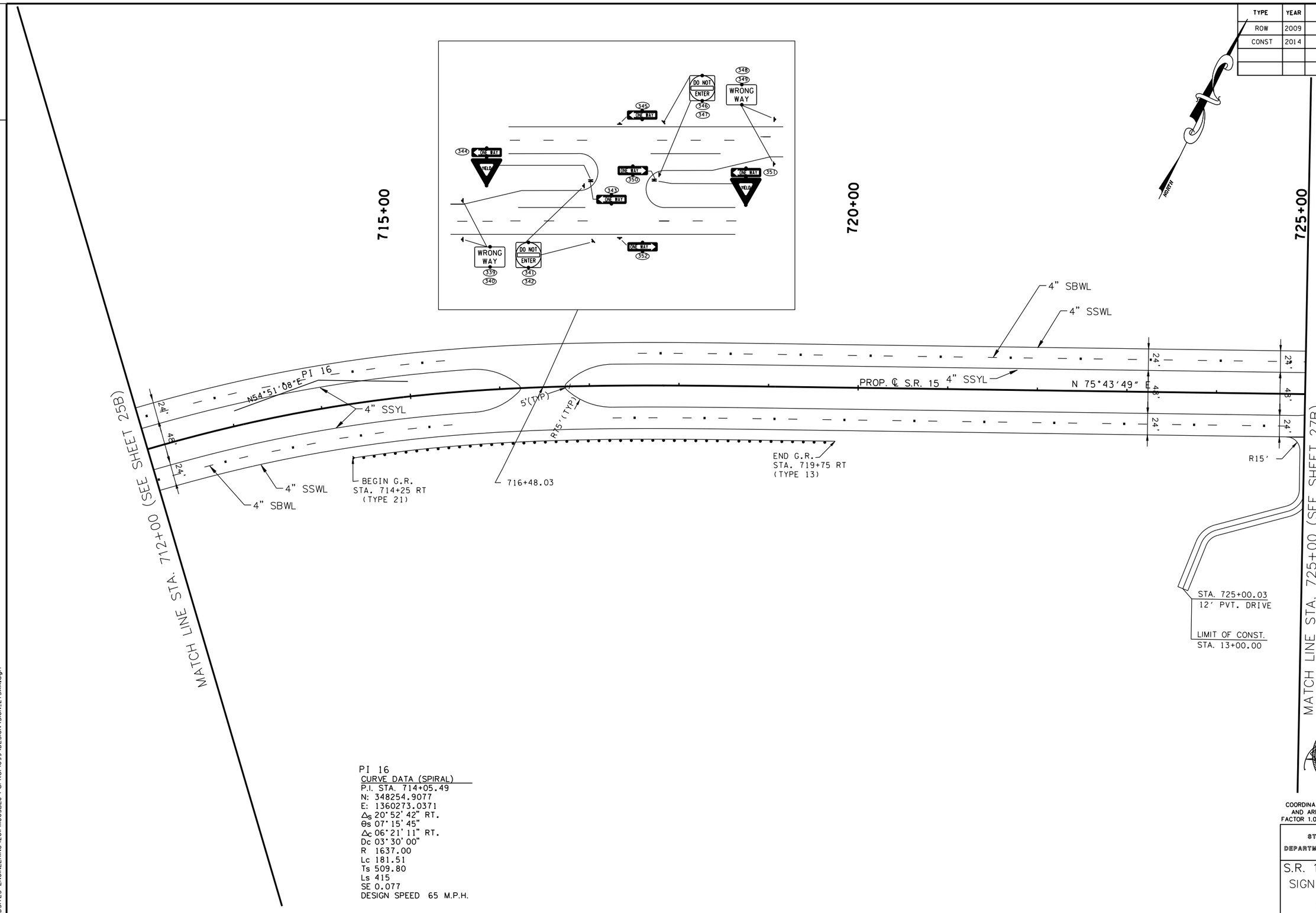
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273AA
CONST	2014	36001-3290-14	



PI 16
CURVE DATA (SPIRAL)
P.I. STA. 714+05.49
N: 348254.9077
E: 1360273.0371
Δ_s 20°52'42" RT.
θ_s 07°15'45"
Δ_c 06°21'11" RT.
Dc 03°30'00"
R 1637.00
Lc 181.51
Ts 509.80
Ls 415
SE 0.077
DESIGN SPEED 65 M.P.H.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 712+00
TO
STA. 725+00
SCALE: 1" = 50'

8/6/2014
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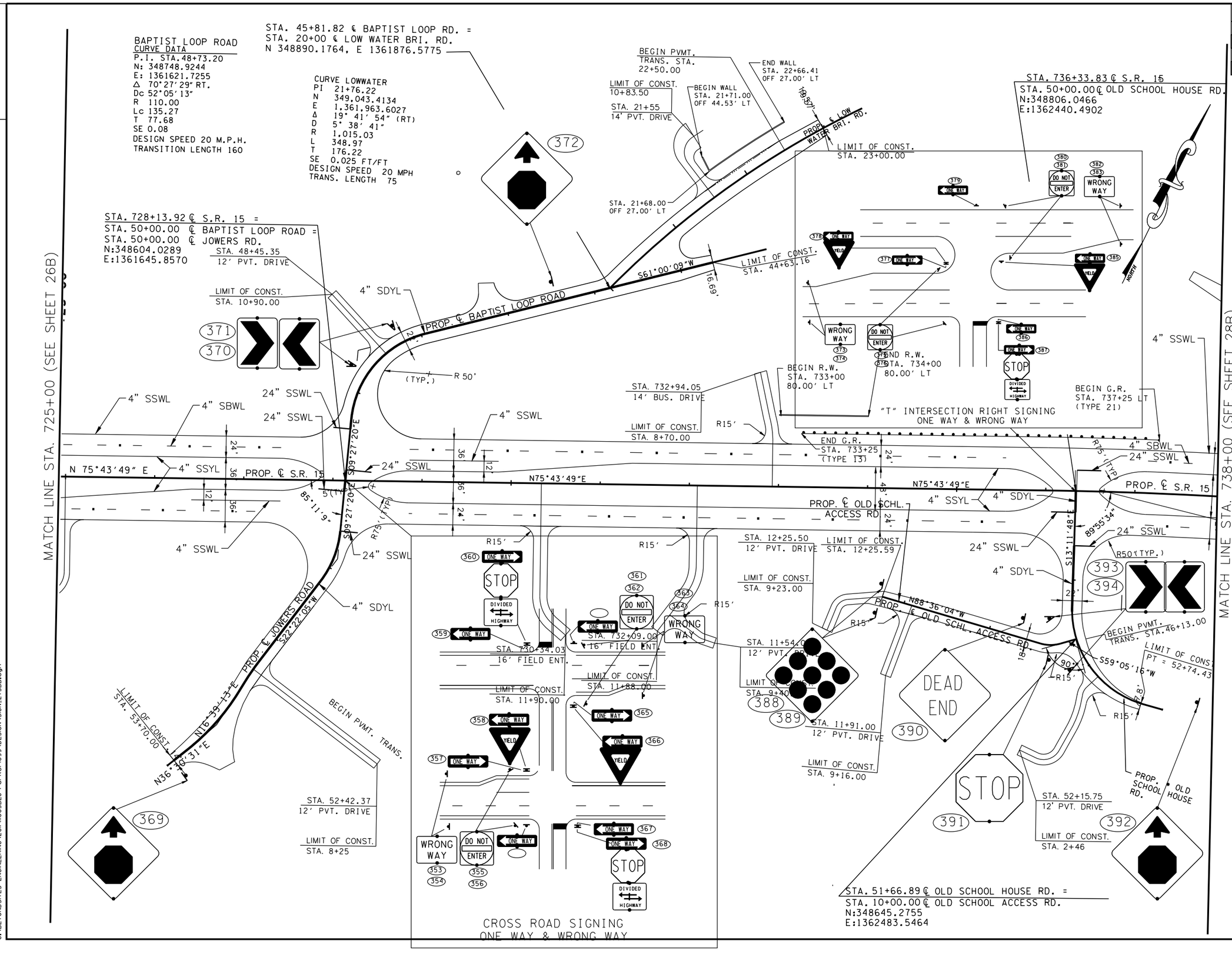
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273BB
CONST	2014	36001-3290-14	



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

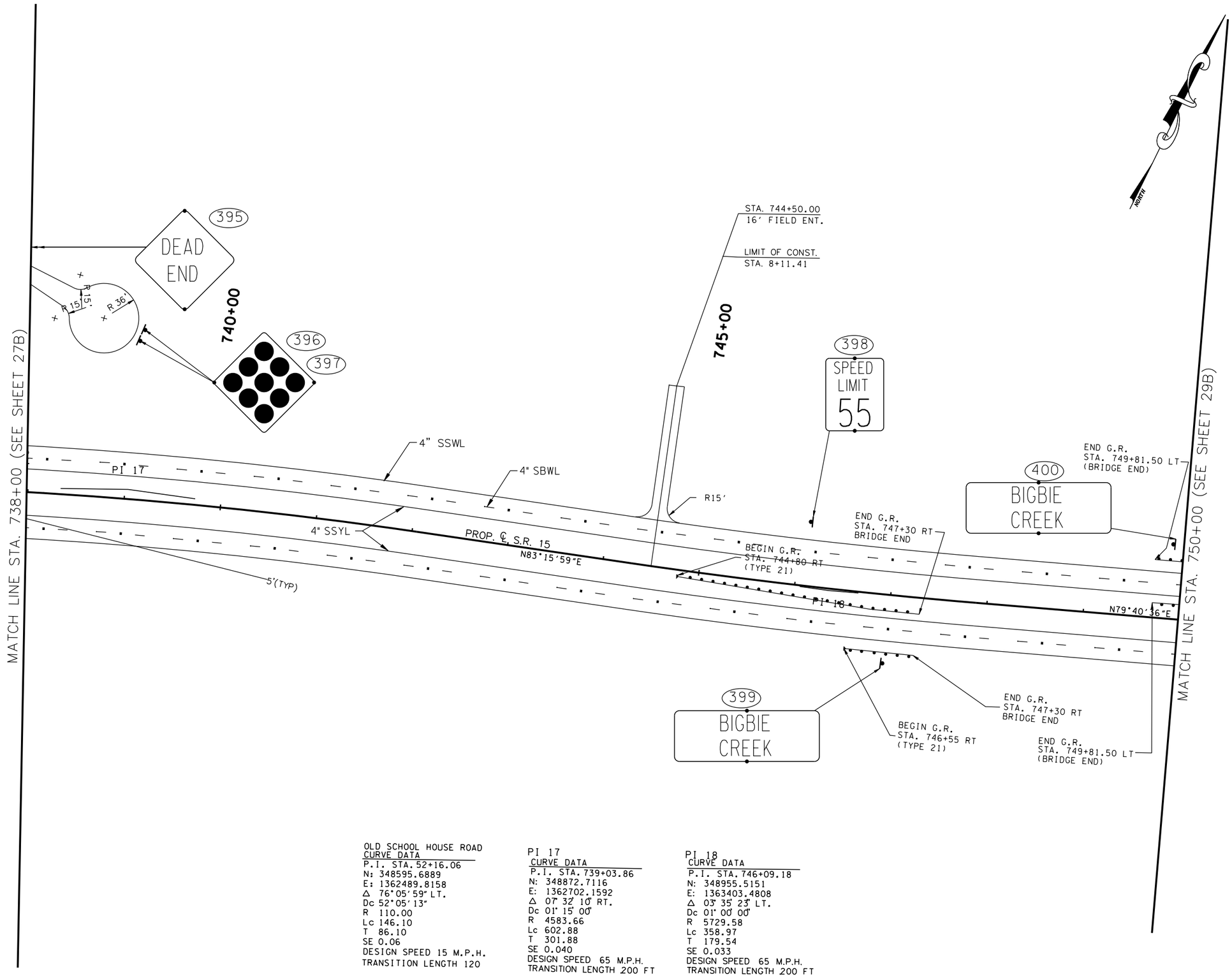
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLANS
STA. 712+00
TO
STA. 725+00
SCALE: 1" = 50'

8/16/2014
C:\BEYONDSITES ENGINEERING\2011\110058EJ-Parker1099\DESIGN\SIGN.273BB.dgn

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273CC
CONST	2014	36001-3290-14	



OLD SCHOOL HOUSE ROAD
CURVE DATA
P.I. STA. 52+16.06
N: 348595.6889
E: 1362489.8158
Δ 76°05'59" LT.
Dc 52°05'13"
R 110.00
Lc 146.10
T 86.10
SE 0.06
DESIGN SPEED 15 M.P.H.
TRANSITION LENGTH 120

PI 17
CURVE DATA
P.I. STA. 739+03.86
N: 348872.7116
E: 1362702.1592
Δ 07° 32' 10" RT.
Dc 01° 15' 00"
R 4583.66
Lc 602.88
T 301.88
SE 0.040
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

PI 18
CURVE DATA
P.I. STA. 746+09.18
N: 348955.5151
E: 1363403.4808
Δ 03° 35' 23" LT.
Dc 01° 00' 00"
R 5729.58
Lc 358.97
T 179.54
SE 0.033
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH 200 FT

BURGEL E. JACKSON III
STATE OF TENNESSEE
14

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

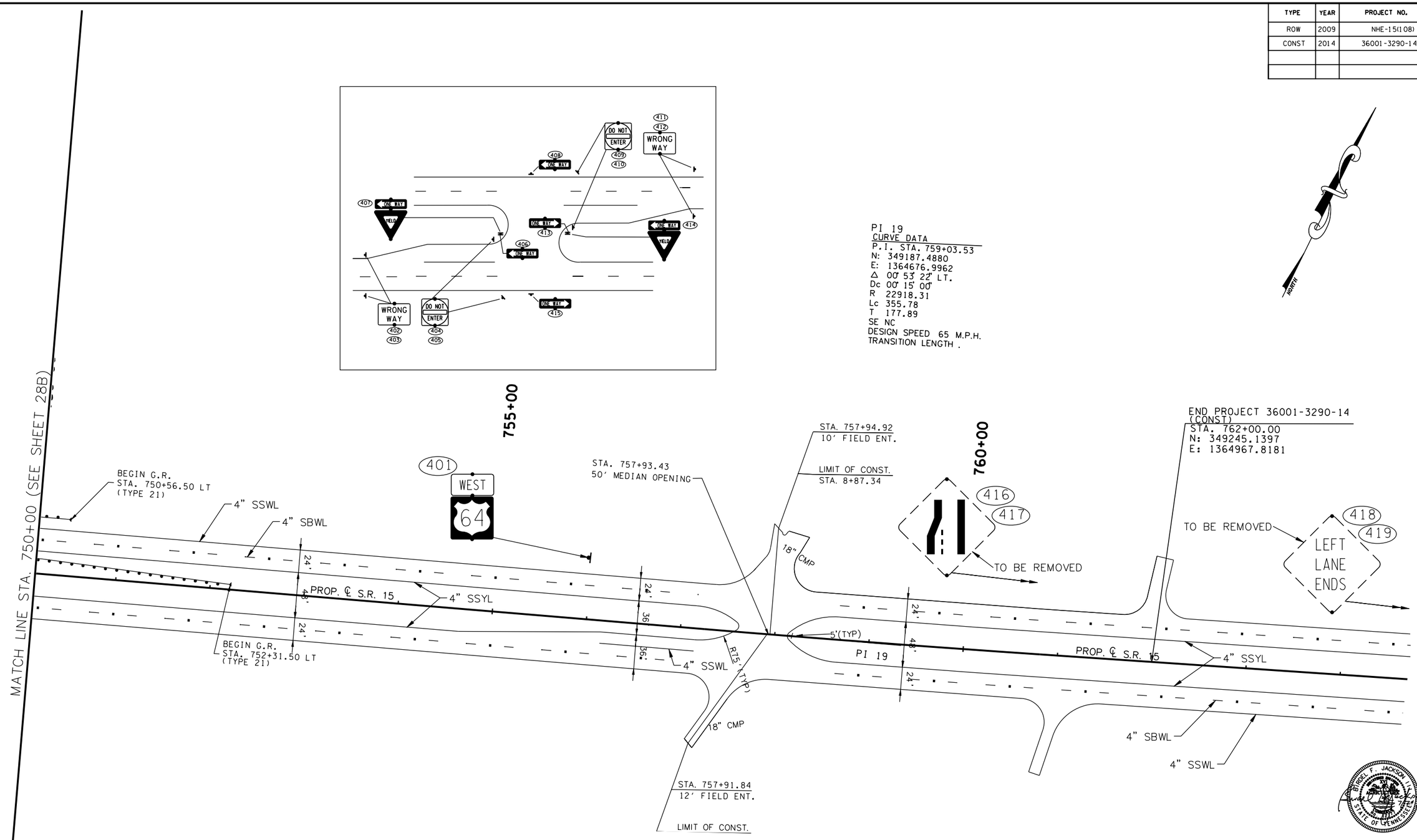
S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 738+00
TO
STA. 750+00
SCALE: 1" = 50'

8/16/2014
C:\BEYONDSITES ENGINEERING\2011\1005BEJ-Parker1099\DESIGN\SIGN_273CC.dgn

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	273DD
CONST	2014	36001-3290-14	

PI 19
CURVE DATA
P.I. STA. 759+03.53
N: 349187.4880
E: 1364676.9962
Δ 00° 53' 22" LT.
Dc 00° 15' 00"
R 22918.31
Lc 355.78
T 177.89
SE NC
DESIGN SPEED 65 M.P.H.
TRANSITION LENGTH .



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00001966 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
SIGNING & MARKING PLAN
STA. 750+00
TO
E.O.P.
SCALE: 1" = 50'

8/16/2014
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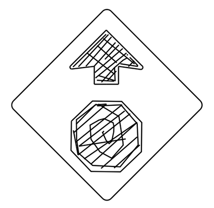
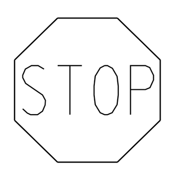
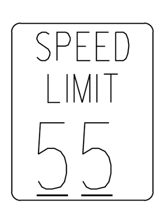
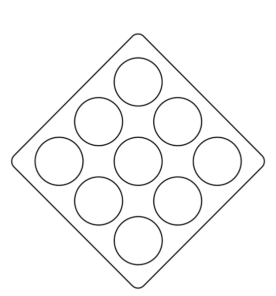
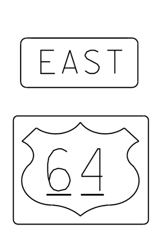
ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SEE STD. DWG. NO. T-S-19

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	NHE-15(108)	274

SIGN NO	LEGEND	SHEET NO	SIZE: LENGTH	SIZE: HEIGHT	SIZE: RADIUS	SIZE: BORDER WIDTH	COPY: CAPITAL	COPY: LOWER CASE	COPY: NUMERAL	COPY: SERIES	SHIELD	ARROW	SIGN FACE: COPY	SIGN FACE: BACKGROUND	SIGN FACE: MATERIAL	STEEL DESIGN (BREAK-AWAY): SUPPORT TYPE	STEEL DESIGN (BREAK-AWAY): SUPPORT LENGTH	STEEL DESIGN (BREAK-AWAY): FOOTING	STEEL DESIGN (BREAK-AWAY): CONC. C.Y.	STEEL DESIGN (BREAK-AWAY): REIN STEEL LBS.	MINIMUM VERTICAL CLEARANCE	REMARKS
67	 W3-1A	8B	36"	36"									(ARROW) BLACK (STOP) RED(REF.)	YELLOW (REF.)	0.100" SHEET ALUMINUM	P8	h=13'-6"				5'-0"	
131		12B															h=13'-6"					
151		13F															h=13'-6"					
155		13I															h=13'-6"					
159		13I															h=13'-6"					
191		15F															h=13'-6"					
286		22F															h=13'-6"					
290		22I															h=13'-6"					
308		23B															h=13'-6"					
369		27B															h=13'-6"					
372		27B															h=13'-6"					
392		27B															h=13'-6"					
158	 R1-1	13I	36"	36"									WHITE (REF.)	RED (REF.)	0.080" SHEET ALUMINUM	P8	h=12'-6"				5'-0"	
391		27B															h=12'-6"					
20	 R2-1	5B	36"	48"									BLACK	WHITE (REF.)	0.100" SHEET ALUMINUM	P8	h=13'-6"				5'-0"	
82		10B															h=13'-6"					
83		10B															h=13'-6"					
174		14B															h=13'-6"					
175		14B															h=13'-6"					
236		19B															h=13'-6"					
237		19B															h=13'-6"					
309		23B															h=13'-6"					
310		23B															h=13'-6"					
398		27B															h=13'-6"					
390	W14-1	27B	30"	30"									BLACK	YELLOW (REF.)	0.080" SHEET ALUMINUM	P8	h=12'-6"				5'- 0"	
395		27B															h=12'-6"					
388	 OM-1	27B	18"	18"			SEE STANDARD DRAWING TM-S-18															TO BE PAID FOR UNDER ITEM NO. 713-16.07
389		27B																				
396		28B																				
397		28B																				
5	 M3-2 M1-4	4B	24" 24"	12" 24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	h=13'-0"				5'- 0"	

U-POST SUBSTITUTION TABLE

BID ITEM 713M11.01	SUBSTITUTION ALLOWED
2#/FT. U1	2#/FT. MUI OR 2#/FT. R1
2.5#/FT. U3	2.5#/FT. MU3 OR 3#/FT. R2
3#/FT. U6	
4#/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5#/FT.

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BUREAU OF PLANNING & DEVELOPMENT

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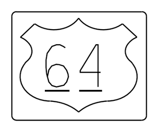
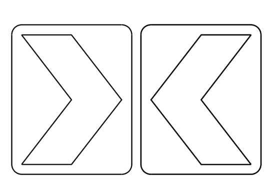
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	NHE-15(108)	274A

ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SEE STD. DWG. NO. T-S-19

SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. C.Y.	REIN STEEL LBS.		
401	WEST M3-4  M1-4	XX	24" 24"	12" 24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	h=13'-0"				5'- 0"	
65		8B															h1=11'-0" h2=11'-0"					
66		8B															h1=11'-0" h2=11'-0"					
129		12B															h1=11'-0" h2=11'-0"					
130		12B															h1=11'-0" h2=11'-0"					
148		13B															h1=11'-0" h2=11'-0"					
149		13B															h1=11'-0" h2=11'-0"					
150		13B															h1=11'-0" h2=11'-0"					
152		13F															h1=11'-0" h2=11'-0"					
153		13F															h1=11'-0" h2=11'-0"					
154		13F															h1=11'-0" h2=11'-0"					
156		13I															h1=11'-0" h2=11'-0"					
157		13I															h1=11'-0" h2=11'-0"					
192		15F															h1=11'-0" h2=11'-0"					
193	W1-8R  W1-8L	15F	18"	24"									BLACK	YELLOW (REF.)	0.080" SHEET ALUMINUM	U1	h1=11'-0" h2=11'-0"				5'-0"	
282		22B															h1=11'-0" h2=11'-0"					
283		22B															h1=11'-0" h2=11'-0"					
284		22B															h1=11'-0" h2=11'-0"					
285		22F															h1=11'-0" h2=11'-0"					
287		22F															h1=11'-0" h2=11'-0"					
288		22F															h1=11'-0" h2=11'-0"					
289		22F															h1=11'-0" h2=11'-0"					
291		22I															h1=11'-0" h2=11'-0"					
292		22I															h1=11'-0" h2=11'-0"					
370		27B															h1=11'-0" h2=11'-0"					
371		27B															h1=11'-0" h2=11'-0"					
393		27B															h1=11'-0" h2=11'-0"					
394		27B															h1=11'-0" h2=11'-0"					

U-POST SUBSTITUTION TABLE

BID ITEM 713M11.01	SUBSTITUTION ALLOWED
2#/FT. U1	2#/FT. MUI OR 2#/FT. R1
2.5#/FT. U3	2.5#/FT. MU3 OR 3#/FT. R2
3#/FT. U6	
4#/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5#/FT.

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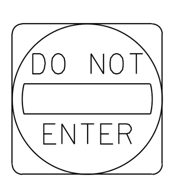
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	NHE-15(108)	274B

ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SEE STD. DWG. NO. T-S-19

SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. C.Y.	REIN STEEL LBS.		
8		5B															h=12′-6″					
9		5B															h=12′-6″					
13		5B															h=12′-6″					
14		5B															h=12′-6″					
24		6B															h=12′-6″					
25		6B															h=12′-6″					
28		6B															h=12′-6″					
29		6B															h=12′-6″					
38		7B															h=12′-6″					
39		7B															h=12′-6″					
43		7B															h=12′-6″					
44		7B															h=12′-6″					
52		8B															h=12′-6″					
53		8B															h=12′-6″					
58		8B															h=12′-6″					
59		8B															h=12′-6″					
70		9B															h=12′-6″					
71		9B															h=12′-6″					
75		9B															h=12′-6″					
76		9B															h=12′-6″					
86		10B															h=12′-6″					
87	 R5-1	10B	36″	36″									WHITE (REF.)	WHITE (REF.) RED(REF.)	0.100″ SHEET ALUMINUM	P8	h=12′-6″				5′-0″	
91		10B															h=12′-6″					
92		10B															h=12′-6″					
100		11B															h=12′-6″					
101		11B															h=12′-6″					
105		11B															h=12′-6″					
106		11B															h=12′-6″					
114		12B															h=12′-6″					
115		12B															h=12′-6″					
119		12B															h=12′-6″					
120		12B															h=12′-6″					
134		13B															h=12′-6″					
135		13B															h=12′-6″					
140		13B															h=12′-6″					
141		13B															h=12′-6″					
162		14B															h=12′-6″					
163		14B															h=12′-6″					
167		14B															h=12′-6″					
168		14B															h=12′-6″					
178		15B															h=12′-6″					
179		15B															h=12′-6″					
183		15B															h=12′-6″					
184		15B															h=12′-6″					

U-POST SUBSTITUTION TABLE

BID ITEM 713M11.01	SUBSTITUTION ALLOWED
2#/FT. U1	2#/FT. MUI OR 2#/FT. R1
2.5#/FT. U3	2.5#/FT. MU3 OR 3#/FT. R2
3#/FT. U6	
4#/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5#/FT.

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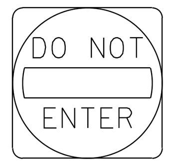
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	NHE-15(108)	274C

ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SEE STD. DWG. NO. T-S-19

SIGN NO	LEGEND	SHEET NO	SIZE LENGTH	SIZE HEIGHT	SIZE RADIUS	SIZE BORDER WIDTH	COPY CAPITAL	COPY LOWER CASE	COPY NUMERAL	COPY SERIES	SHIELD	ARROW	SIGN FACE COPY	SIGN FACE BACKGROUND	SIGN FACE MATERIAL	STEEL DESIGN (BREAK-AWAY) SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. C.Y.	REIN STEEL LBS.	MINIMUM VERTICAL CLEARANCE	REMARKS
196		16B															h=12'-6"					
197		16B															h=12'-6"					
201		16B															h=12'-6"					
202		16B															h=12'-6"					
210		17B															h=12'-6"					
211		17B															h=12'-6"					
215		17B															h=12'-6"					
216		17B															h=12'-6"					
224		18B															h=12'-6"					
225		18B															h=12'-6"					
229		18B															h=12'-6"					
230		18B															h=12'-6"					
240		19B															h=12'-6"					
241		19B															h=12'-6"					
245		19B															h=12'-6"					
246		19B															h=12'-6"					
254		20B															h=12'-6"					
255		20B															h=12'-6"					
259		20B															h=12'-6"					
260		20B															h=12'-6"					
268		22B															h=12'-6"					
269	 R5-1	22B	36"	36"									WHITE (REF.)	WHITE (REF.) RED(REF.)	0.100" SHEET ALUMINUM	P8	h=12'-6"				5'-0"	
274		22B															h=12'-6"					
275		22B															h=12'-6"					
295		23B															h=12'-6"					
296		23B															h=12'-6"					
301		23B															h=12'-6"					
302		23B															h=12'-6"					
313		24B															h=12'-6"					
314		24B															h=12'-6"					
318		24B															h=12'-6"					
319		24B															h=12'-6"					
327		25B															h=12'-6"					
328		25B															h=12'-6"					
332		25B															h=12'-6"					
333		25B															h=12'-6"					
341		26B															h=12'-6"					
342		26B															h=12'-6"					
346		26B															h=12'-6"					
347		26B															h=12'-6"					
355		27B															h=12'-6"					
356		27B															h=12'-6"					
361		27B															h=12'-6"					
362		27B															h=12'-6"					

U-POST SUBSTITUTION TABLE

BID ITEM 713M11.01	SUBSTITUTION ALLOWED
2#/FT. U1	2#/FT. MUI OR 2#/FT. R1
2.5#/FT. U3	2.5#/FT. MU3 OR 3#/FT. R2
3#/FT. U6	
4#/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5#/FT.

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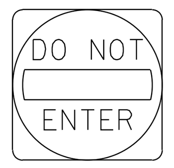
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	NHE-15(108)	274D

ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SEE STD. DWG. NO. T-S-19

SIGN NO	LEGEND	SHEET NO	SIZE: LENGTH	SIZE: HEIGHT	SIZE: RADIUS	SIZE: BORDER WIDTH	COPY: CAPITAL	COPY: LOWER CASE	COPY: NUMERAL	COPY: SERIES	SHIELD	ARROW	SIGN FACE: COPY	SIGN FACE: BACKGROUND	SIGN FACE: MATERIAL	STEEL DESIGN (BREAK-AWAY): SUPPORT TYPE	STEEL DESIGN (BREAK-AWAY): SUPPORT LENGTH	STEEL DESIGN (BREAK-AWAY): FOOTING	STEEL DESIGN (BREAK-AWAY): CONC. C.Y.	STEEL DESIGN (BREAK-AWAY): REIN STEEL LBS.	MINIMUM VERTICAL CLEARANCE	REMARKS
375		27B															h=12′-6″					
376		27B															h=12′-6″					
380		27B															h=12′-6″					
381	 R5-1	27B	36″	36″									WHITE (REF.)	WHITE (REF.) RED(REF.)	0.100″ SHEET ALUMINUM	P8	h=12′-6″				5′-0″	
404		29B															h=12′-6″					
405		29B															h=12′-6″					
409		29B															h=12′-6″					
410		29B															h=12′-6″					
6		5B															h=11′-6″					
7		5B															h=11′-6″					
15		5B															h=11′-6″					
16		5B															h=11′-6″					
21		6B															h=11′-6″					
22		6B															h=11′-6″					
30		6B															h=11′-6″					
31		6B															h=11′-6″					
36		7B															h=11′-6″					
37		7B															h=11′-6″					
45		7B															h=11′-6″					
46		7B															h=11′-6″					
50		8B															h=11′-6″					
51	R5-1A	8B	36″	24″									WHITE (REF.)	RED (REF.)	0.080″ SHEET ALUMINUM	P8	h=11′-6″				5′-0″	
60		8B															h=11′-6″					
61		8B															h=11′-6″					
68		9B															h=11′-6″					
69		9B															h=11′-6″					
77		9B															h=11′-6″					
78		9B															h=11′-6″					
84		10B															h=11′-6″					
85		10B															h=11′-6″					
93		10B															h=11′-6″					
94		10B															h=11′-6″					
98		11B															h=11′-6″					
99		11B															h=11′-6″					
107		11B															h=11′-6″					
108		11B															h=11′-6″					
112		12B															h=11′-6″					
113		12B															h=11′-6″					
121		12B															h=11′-6″					
122		12B															h=11′-6″					
132		13B															h=11′-6″					
133		13B															h=11′-6″					
142		13B															h=11′-6″					
143		13B															h=11′-6″					

U-POST SUBSTITUTION TABLE

BID ITEM 713M11.01	SUBSTITUTION ALLOWED
2#/FT. U1	2#/FT. MUI OR 2#/FT. R1
2.5#/FT. U3	2.5#/FT. MU3 OR 3#/FT. R2
3#/FT. U6	
4#/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5#/FT.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	NHE-15(108)	274E

ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SEE STD. DWG. NO. T-S-19

SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. C.Y.	REIN STEEL LBS.		
160		14B															h=11′-6″					
161		14B															h=11′-6″					
169		14B															h=11′-6″					
170		14B															h=11′-6″					
176		15B															h=11′-6″					
177		15B															h=11′-6″					
185		15B															h=11′-6″					
186		15B															h=11′-6″					
194		16B															h=11′-6″					
195		16B															h=11′-6″					
203		16B															h=11′-6″					
204		16B															h=11′-6″					
208		17B															h=11′-6″					
209		17B															h=11′-6″					
217		17B															h=11′-6″					
218		17B															h=11′-6″					
222		18B															h=11′-6″					
223		18B															h=11′-6″					
231		18B															h=11′-6″					
232		18B															h=11′-6″					
238		19B															h=11′-6″					
239	WRONG WAY R5-1A	19B	36″	24″									WHITE (REF.)	RED (REF.)	0.080″ SHEET ALUMINUM	P8	h=11′-6″				5′-0″	
247		19B															h=11′-6″					
248		19B															h=11′-6″					
252		20B															h=11′-6″					
253		20B															h=11′-6″					
261		20B															h=11′-6″					
262		20B															h=11′-6″					
266		22B															h=11′-6″					
267		22B															h=11′-6″					
276		22B															h=11′-6″					
277		22B															h=11′-6″					
293		23B															h=11′-6″					
294		23B															h=11′-6″					
303		23B															h=11′-6″					
304		23B															h=11′-6″					
311		24B															h=11′-6″					
312		24B															h=11′-6″					
320		24B															h=11′-6″					
321		24B															h=11′-6″					
325		25B															h=11′-6″					
326		25B															h=11′-6″					
334		25B															h=11′-6″					
335		25B															h=11′-6″					

U-POST SUBSTITUTION TABLE

BID ITEM 713M11.01	SUBSTITUTION ALLOWED
2#/FT. U1	2#/FT. MUI OR 2#/FT. R1
2.5#/FT. U3	2.5#/FT. MU3 OR 3#/FT. R2
3#/FT. U6	
4#/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5#/FT.

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BUREAU OF PLANNING & DEVELOPMENT

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8/14/2014 1:39:03 PM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	NHE-15(108)	274F

ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SEE STD. DWG. NO. T-S-19

SIGN NO	LEGEND	SHEET NO	SIZE: LENGTH	SIZE: HEIGHT	SIZE: RADIUS	SIZE: BORDER WIDTH	COPY: CAPITAL	COPY: LOWER CASE	COPY: NUMERAL	COPY: SERIES	SHIELD	ARROW	SIGN FACE: COPY	SIGN FACE: BACKGROUND	SIGN FACE: MATERIAL	STEEL DESIGN (BREAK-AWAY): SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. C.Y.	REIN STEEL LBS.	MINIMUM VERTICAL CLEARANCE	REMARKS
339		26B															h=11'-6"					
340		26B															h=11'-6"					
348		26B															h=11'-6"					
349		26B															h=11'-6"					
353		27B															h=11'-6"					
354		27B															h=11'-6"					
363		27B															h=11'-6"					
364	WRONG WAY R5-1A	27B	36"	24"									WHITE (REF.)	RED (REF.)	0.080" SHEET ALUMINUM	P8	h=11'-6"				5'-0"	
373		27B															h=11'-6"					
374		27B															h=11'-6"					
382		27B															h=11'-6"					
383		27B															h=11'-6"					
402		29B															h=11'-6"					
403		29B															h=11'-6"					
411		29B															h=11'-6"					
412		29B															h=11'-6"					
11		5B															h=14'-0"					
18		5B															h=14'-0"					
23		6B															h=14'-0"					
33		6B															h=14'-0"					
40		7B															h=14'-0"					
48		7B															h=14'-0"					
55		8B															h=14'-0"					
63		8B															h=14'-0"					
73		9B															h=14'-0"					
80	ONE WAY R6-1(L)	9B	36"	12"									BLACK	WHITE (REF.) BLACK			h=14'-0"					
89	YIELD R1-2	10B	36" x 36" x 36"										RED (REF.)	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	h=14'-0"				5'-0"	
96		10B															h=14'-0"					
103		11B															h=14'-0"					
110		11B															h=14'-0"					
117		12B															h=14'-0"					
124		12B															h=14'-0"					
137		13B															h=14'-0"					
145		13B															h=14'-0"					
165		14B															h=14'-0"					
172		14B															h=14'-0"					

U-POST SUBSTITUTION TABLE

BID ITEM 713M11.01	SUBSTITUTION ALLOWED
2#/FT. U1	2#/FT. MUI OR 2#/FT. R1
2.5#/FT. U3	2.5#/FT. MU3 OR 3#/FT. R2
3#/FT. U6	
4#/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5#/FT.

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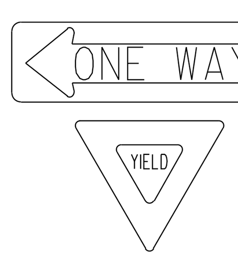
8/14/2014 1:39:51PM
$$$$DGNSPEC$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	NHE-15(108)	274G

ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SEE STD. DWG. NO. T-S-19

SIGN NO	LEGEND	SHEET NO	SIZE: LENGTH	SIZE: HEIGHT	SIZE: RADIUS	SIZE: BORDER WIDTH	COPY: CAPITAL	COPY: LOWER CASE	COPY: NUMERAL	COPY: SERIES	SHIELD	ARROW	SIGN FACE: COPY	SIGN FACE: BACKGROUND	SIGN FACE: MATERIAL	STEEL DESIGN (BREAK-AWAY): SUPPORT TYPE	STEEL DESIGN (BREAK-AWAY): SUPPORT LENGTH	STEEL DESIGN (BREAK-AWAY): FOOTING	STEEL DESIGN (BREAK-AWAY): CONC. C.Y.	STEEL DESIGN (BREAK-AWAY): REIN STEEL LBS.	MINIMUM VERTICAL CLEARANCE	REMARKS
181		15B															h=14'-0"					
188		15B															h=14'-0"					
199		16B															h=14'-0"					
206		16B															h=14'-0"					
213		17B															h=14'-0"					
220		17B															h=14'-0"					
227		18B															h=14'-0"					
234		18B															h=14'-0"					
243		19B															h=14'-0"					
250		19B															h=14'-0"					
257		20B															h=14'-0"					
264		20B															h=14'-0"					
271		22B															h=14'-0"					
279	 R6-1(L)	22B	36"	12"									BLACK	WHITE (REF.)			h=14'-0"				5'-0"	
298		23B												BLACK	0.080" SHEET ALUMINUM		h=14'-0"					
306	R1-2	23B	36" x 36" x 36"										RED (REF.)	WHITE (REF.)		P8	h=14'-0"					
316		24B															h=14'-0"					
323		24B															h=14'-0"					
330		25B															h=14'-0"					
337		25B															h=14'-0"					
344		26B															h=14'-0"					
351		26B															h=14'-0"					
358		27B															h=14'-0"					
366		27B															h=14'-0"					
378		27B															h=14'-0"					
385		27B															h=14'-0"					
407		29B															h=14'-0"					
414		29B															h=14'-0"					
399	BIGBIE RIVER TN-5	28B	30"	18"			5"			C"			WHITE (REF.)	GREEN (REF.)	0.080" SHEET ALUMINUM	U3	h=11'-6"				5'-0"	
400		28B					3"			C"												

U-POST SUBSTITUTION TABLE

BID ITEM 713M11.01	SUBSTITUTION ALLOWED
2#/FT. U1	2#/FT. MUI OR 2#/FT. R1
2.5#/FT. U3	2.5#/FT. MU3 OR 3#/FT. R2
3#/FT. U6	
4#/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5#/FT.

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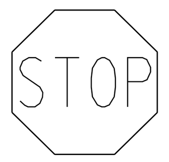
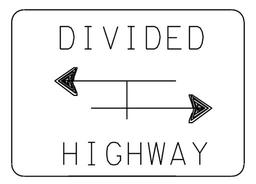
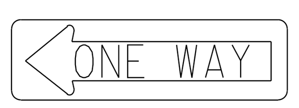
ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SEE STD. DWG. NO. T-S-19

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	NHE-15(108)	274H

SIGN NO	LEGEND	SHEET NO	SIZE: LENGTH	SIZE: HEIGHT	SIZE: RADIUS	SIZE: BORDER WIDTH	COPY: CAPITAL	COPY: LOWER CASE	COPY: NUMERAL	COPY: SERIES	SHIELD	ARROW	SIGN FACE: COPY	SIGN FACE: BACKGROUND	SIGN FACE: MATERIAL	STEEL DESIGN (BREAK-AWAY): SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. C.Y.	REIN STEEL LBS.	MINIMUM VERTICAL CLEARANCE	REMARKS
57		8B															13'-6"					
127		12B															13'-6"					REQUIRES SLIP BASE ITEM NO. 713-11.21 SEE STD. DRAWING T-S-23A
139	R6-1(R)	13B	36"	12"									BLACK	WHITE (REF.) BLACK			13'-6"					
147	 R1-1	13B	36"	36"									WHITE (REF.)	RED (REF.)	0.080" SHEET ALUMINUM	P5	13'-6"				5'-0"	
190		15B															13'-6"					
273		22B															13'-6"					
281																						
300	R6-3	23B	30"	24"									BLACK	WHITE (REF.)			13'-6"					
360		27B															13'-6"					
368																						
387		27B															13'-6"					
12		5B															h=11'-0"				5'-0"	
19		5B															h=11'-0"				5'-0"	
27		6B															h=11'-0"				5'-0"	
34		6B															h=11'-0"				5'-0"	
42		7B															h=11'-0"				5'-0"	
49		7B															h=11'-0"				5'-0"	
56		8B	36"	12"									BLACK	WHITE (REF.) BLACK	0.080" SHEET ALUMINUM	U1						MOUNTED BEHIND SIGN NO. 57
64	R1-1(L)	8B															h=11'-0"				5'-0"	
74		9B															h=11'-0"				5'-0"	
81		9B															h=11'-0"				5'-0"	
90		10B															h=11'-0"				5'-0"	
97		10B															h=11'-0"				5'-0"	
104		11B															h=11'-0"				5'-0"	
111		11B															h=11'-0"				5'-0"	
118		12B															h=11'-0"				5'-0"	
126		12B																				MOUNTED BEHIND SIGN NO. 127
138		13B																				MOUNTED BEHIND SIGN NO. 139
146		13B																				MOUNTED BEHIND SIGN NO. 147
166		14B															h=11'-0"				5'-0"	
173		14B															h=11'-0"				5'-0"	
182		15B															h=11'-0"				5'-0"	
189		15B																				MOUNTED BEHIND SIGN NO. 190
200		16B															h=11'-0"				5'-0"	
207		16B															h=11'-0"				5'-0"	

U-POST SUBSTITUTION TABLE

BID ITEM 713M11.01	SUBSTITUTION ALLOWED
2#/FT. U1	2#/FT. MUI OR 2#/FT. R1
2.5#/FT. U3	2.5#/FT. MU3 OR 3#/FT. R2
3#/FT. U6	
4#/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5#/FT.

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BUREAU OF PLANNING & DEVELOPMENT

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	NHE-15(108)	274I

ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SEE STD. DWG. NO. T-S-19

SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. C.Y.	REIN STEEL LBS.		
214		17B															h=11'-0"				5'-0"	
221		17B															h=11'-0"				5'-0"	
228		18B															h=11'-0"				5'-0"	
235		18B															h=11'-0"				5'-0"	
244		19B															h=11'-0"				5'-0"	
251		19B															h=11'-0"				5'-0"	
258		20B	36"	12"									BLACK	WHITE (REF.) BLACK	0.080" SHEET ALUMINUM	U1	h=11'-0"				5'-0"	
265	R1-1(L)	20B															h=11'-0"				5'-0"	
272		22B																				MOUNTED BEHIND SIGN NO. 273
280		22B																				MOUNTED BEHIND SIGN NO. 281
299		23B																				MOUNTED BEHIND SIGN NO. 300
307		23B															h=11'-0"				5'-0"	
317		24B															h=11'-0"				5'-0"	
324		24B															h=11'-0"				5'-0"	
331		25B															h=11'-0"				5'-0"	
338		25B															h=11'-0"				5'-0"	
345		26B															h=11'-0"				5'-0"	
352		26B															h=11'-0"				5'-0"	
359		27B																				MOUNTED BEHIND SIGN NO. 360
367		27B																				MOUNTED BEHIND SIGN NO. 368
379		27B															h=11'-0"				5'-0"	
386		27B																				MOUNTED BEHIND SIGN NO. 387
408		29B															h=11'-0"				5'-0"	
415		29B															h=11'-0"				5'-0"	
10		5B																				MOUNTED BEHIND SIGN NO. 11
17		5B																				MOUNTED BEHIND SIGN NO. 18
26		6B																				MOUNTED BEHIND SIGN NO. 23
32		6B																				MOUNTED BEHIND SIGN NO. 33
41		7B																				MOUNTED BEHIND SIGN NO. 40
47		7B	36"	12"									BLACK	WHITE (REF.) BLACK	0.080" SHEET ALUMINUM							MOUNTED BEHIND SIGN NO. 48
54	R1-1(R)	8B																				MOUNTED BEHIND SIGN NO. 55
62		8B																				MOUNTED BEHIND SIGN NO. 63
72		9B																				MOUNTED BEHIND SIGN NO. 73
79		9B																				MOUNTED BEHIND SIGN NO. 80
88		10B																				MOUNTED BEHIND SIGN NO. 89
95		10B																				MOUNTED BEHIND SIGN NO. 96

U-POST SUBSTITUTION TABLE

BID ITEM 713M11.01	SUBSTITUTION ALLOWED
2#/FT. U1	2#/FT. MUI OR 2#/FT. R1
2.5#/FT. U3	2.5#/FT. MU3 OR 3#/FT. R2
3#/FT. U6	
4#/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5#/FT.

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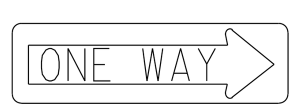
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	NHE-15(108)	274J

ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SEE STD. DWG. NO. T-S-19

SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. C.Y.	REIN STEEL LBS.		
102		11B																				MOUNTED BEHIND SIGN NO. 103
109		11B																				MOUNTED BEHIND SIGN NO. 110
116		12B																				MOUNTED BEHIND SIGN NO. 117
123		12B																				MOUNTED BEHIND SIGN NO. 124
136		13B																				MOUNTED BEHIND SIGN NO. 137
144		13B																				MOUNTED BEHIND SIGN NO. 145
164		14B																				MOUNTED BEHIND SIGN NO. 165
171		14B																				MOUNTED BEHIND SIGN NO. 172
180		15B																				MOUNTED BEHIND SIGN NO. 181
187		15B																				MOUNTED BEHIND SIGN NO. 188
198		16B																				MOUNTED BEHIND SIGN NO. 199
205		16B																				MOUNTED BEHIND SIGN NO. 206
212		17B																				MOUNTED BEHIND SIGN NO. 213
219		17B																				MOUNTED BEHIND SIGN NO. 220
226		18B																				MOUNTED BEHIND SIGN NO. 227
233		18B																				MOUNTED BEHIND SIGN NO. 234
242		19B																				MOUNTED BEHIND SIGN NO. 243
249	 R1-1(R)	19B	36"	12"									BLACK	WHITE (REF.) BLACK	0.080" SHEET ALUMINUM							MOUNTED BEHIND SIGN NO. 250
256		20B																				MOUNTED BEHIND SIGN NO. 257
263		20B																				MOUNTED BEHIND SIGN NO. 264
270		22B																				MOUNTED BEHIND SIGN NO. 271
278		22B																				MOUNTED BEHIND SIGN NO. 279
297		23B																				MOUNTED BEHIND SIGN NO. 298
305		23B																				MOUNTED BEHIND SIGN NO. 306
315		24B																				MOUNTED BEHIND SIGN NO. 116
322		24B																				MOUNTED BEHIND SIGN NO. 323
329		25B																				MOUNTED BEHIND SIGN NO. 330
336		25B																				MOUNTED BEHIND SIGN NO. 337
343		26B																				MOUNTED BEHIND SIGN NO. 343
350		26B																				MOUNTED BEHIND SIGN NO. 351
357		27B																				MOUNTED BEHIND SIGN NO. 358
365		27B																				MOUNTED BEHIND SIGN NO. 366
377		27B																				MOUNTED BEHIND SIGN NO. 378
384		27B																				MOUNTED BEHIND SIGN NO. 385
406		29B																				MOUNTED BEHIND SIGN NO. 407
413		29B																				MOUNTED BEHIND SIGN NO. 414

U-POST SUBSTITUTION TABLE

BID ITEM 713M11.01	SUBSTITUTION ALLOWED
2#/FT. U1	2#/FT. MUI OR 2#/FT. R1
2.5#/FT. U3	2.5#/FT. MU3 OR 3#/FT. R2
3#/FT. U6	
4#/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5#/FT.

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8/14/2014 1:42:04 PM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	NHE-15(108)	274K

ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SEE STD. DWG. NO. T-S-19

SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. C.Y.	REIN STEEL LBS.		
193A	SMITH FORK CREEK TN-5	16B	48"	18"			5"			C"			WHITE (REF.)	GREEN (REF.)	0.100" SHEET ALUMINUM	U3	h1=11'-6" h2=12'-0"				5'-0"	
193B		16B					3"			C"							h1=11'-6" h2=12'-0"					

U-POST SUBSTITUTION TABLE

BID ITEM 713M11.01	SUBSTITUTION ALLOWED
2#/FT. U1	2#/FT. MUI OR 2#/FT. R1
2.5#/FT. U3	2.5#/FT. MU3 OR 3#/FT. R2
3#/FT. U6	
4#/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5#/FT.

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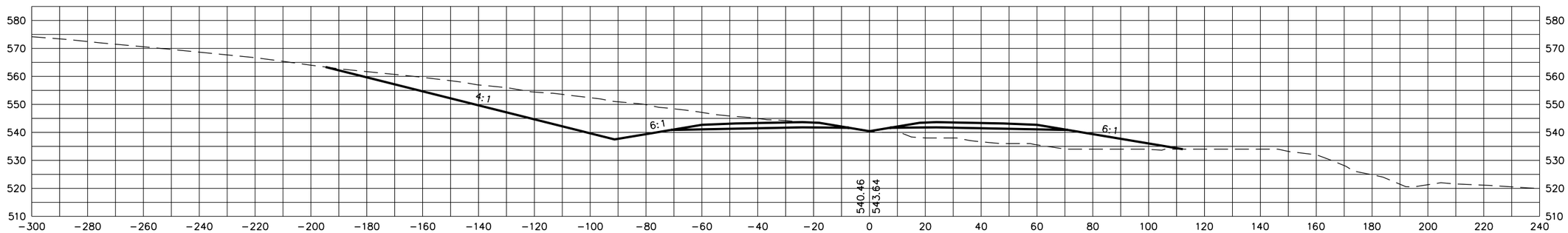
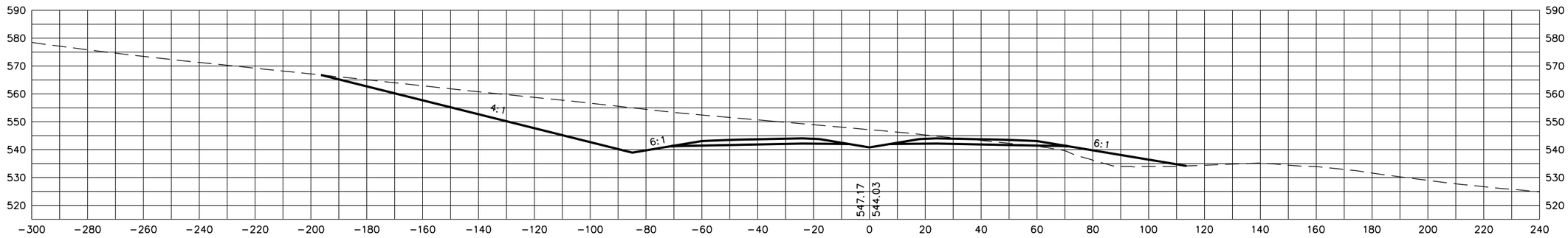
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	277
CONST	2014	36001-3290-14	

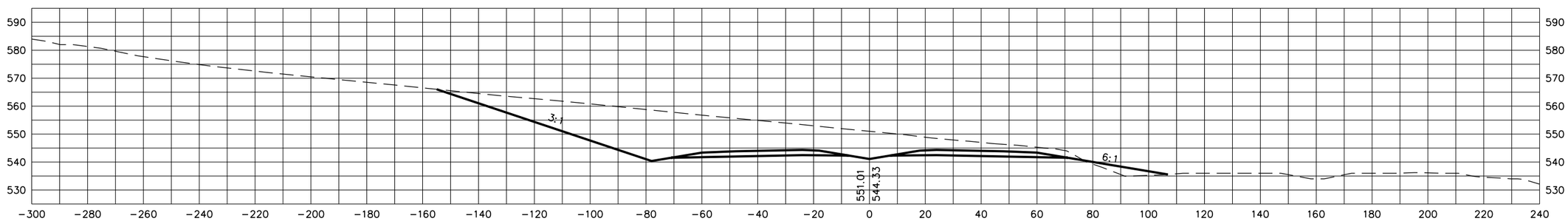
442+00



441+50



441+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

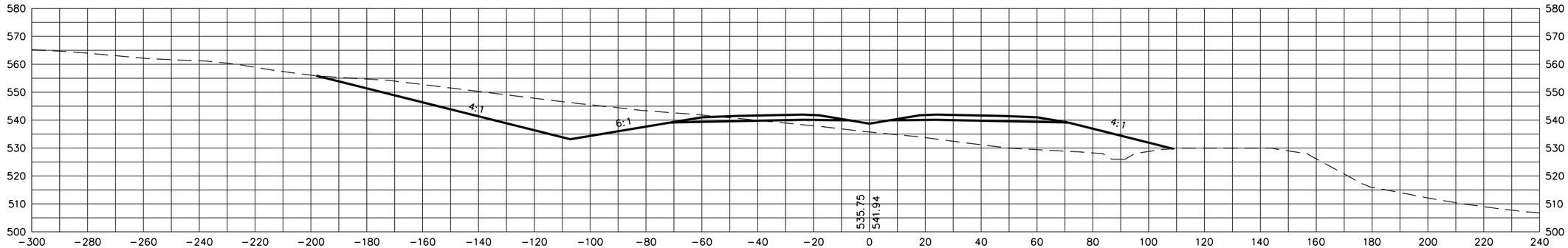
SCALE: 1"=20' H, 20' V

8/20/2014
C:\BEYONDSITES ENGINEERING\2011\0058EJ-Parker1099\DESIGN\main_xsxns_SR15.dgn

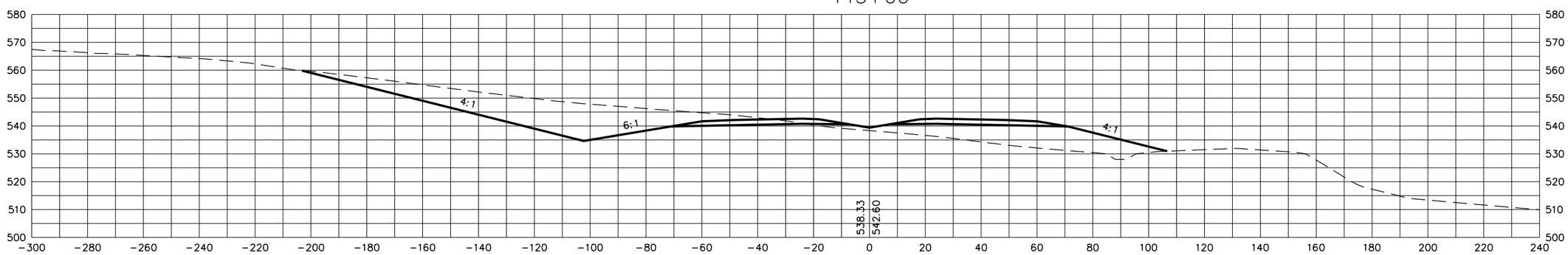
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	278
CONST	2014	36001-3290-14	

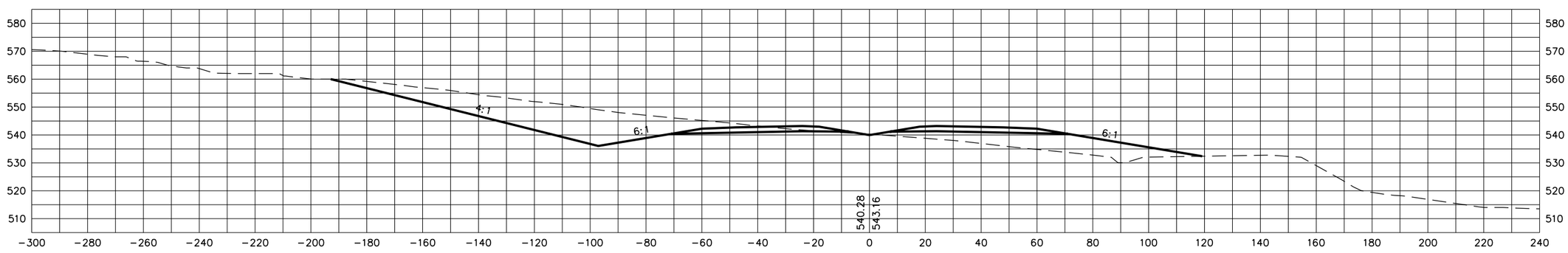
443+50



443+00



442+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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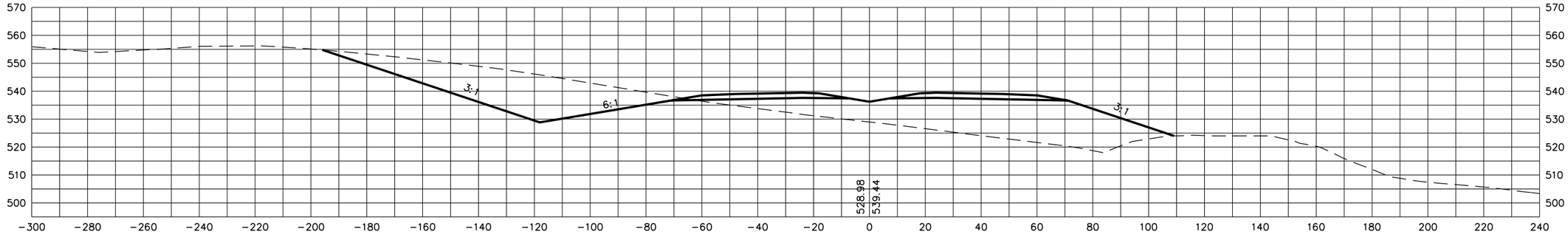
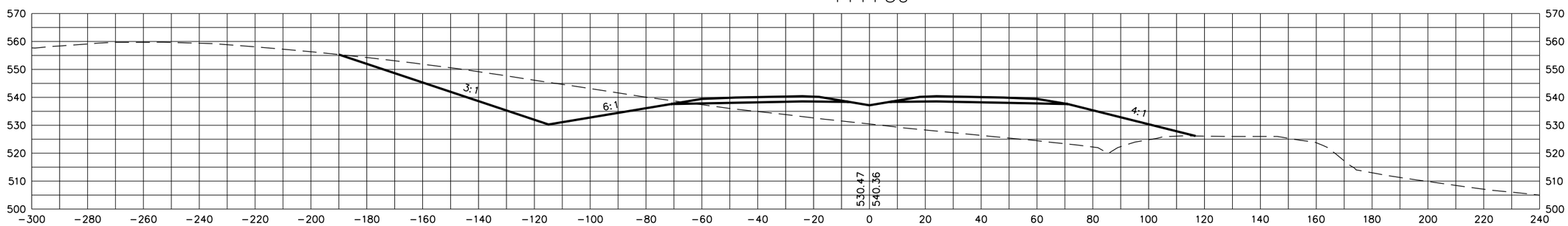
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	279
CONST	2014	36001-3290-14	

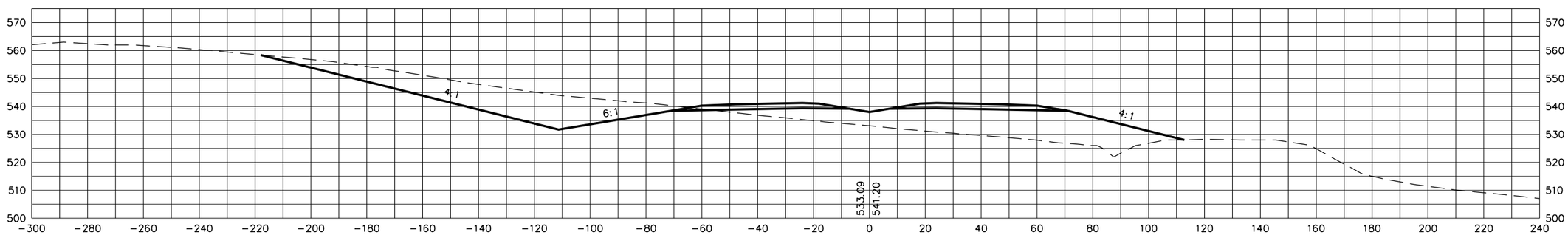
445+00



444+50



444+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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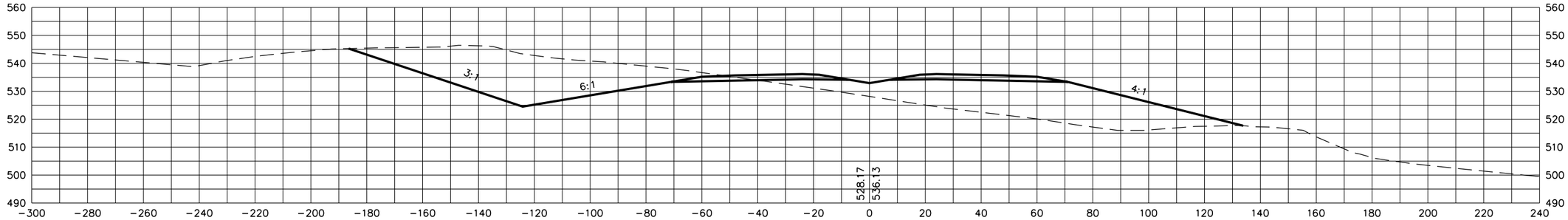
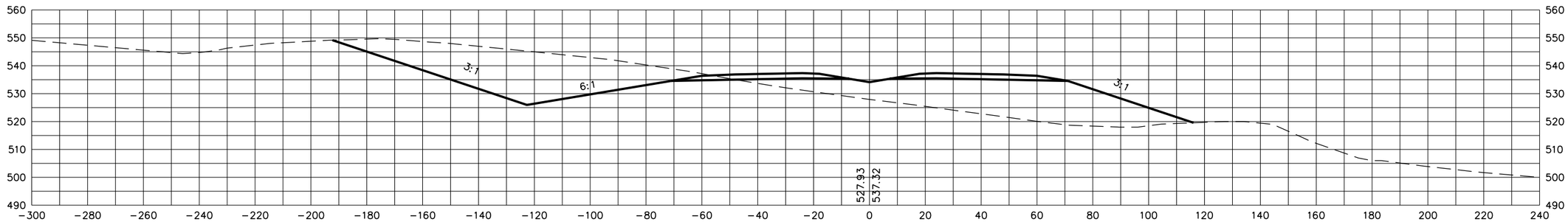
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	280
CONST	2014	36001-3290-14	

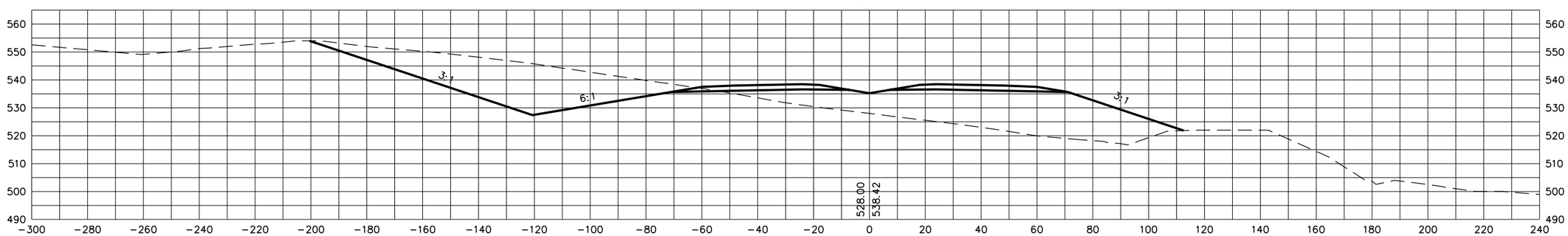
446+50



446+00



445+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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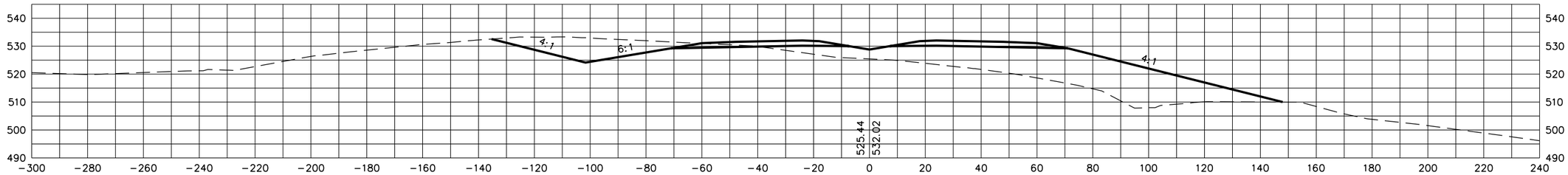
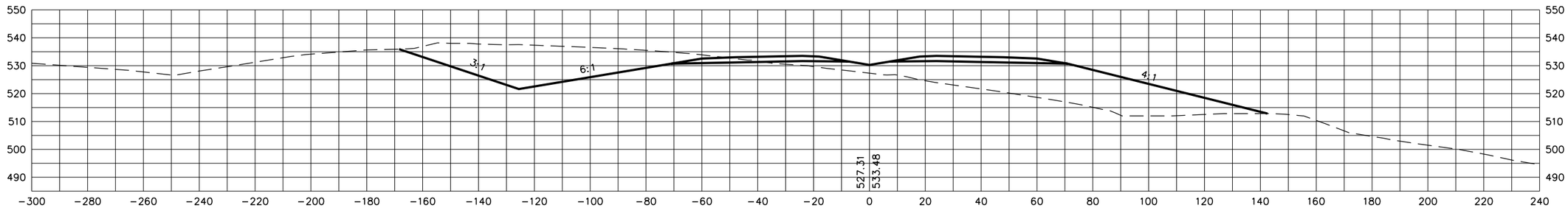
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	281
CONST	2014	36001-3290-14	

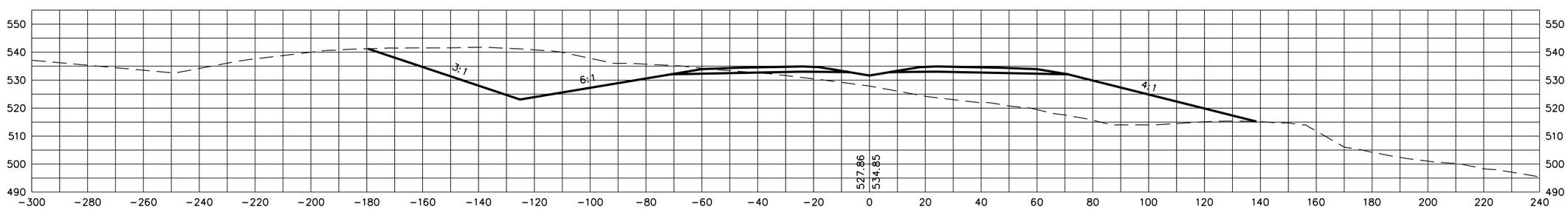
448+00



447+50



447+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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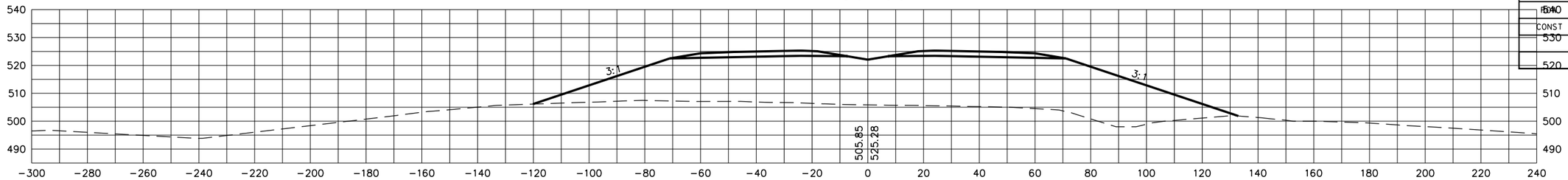
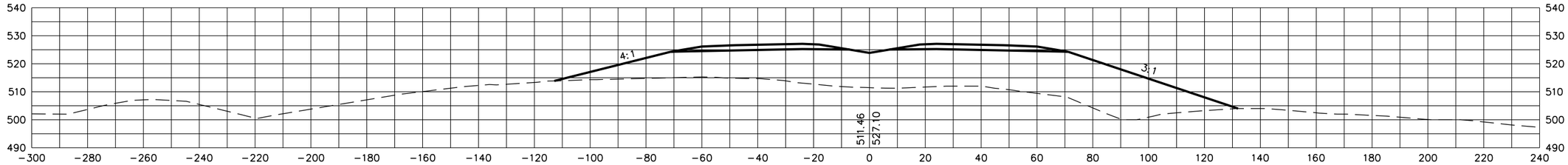
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PE	2009	NHE-15(108)	282
CONST	2014	36001-3290-14	

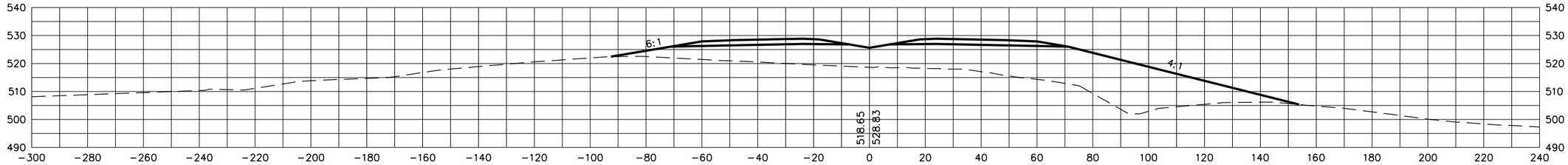
450+00



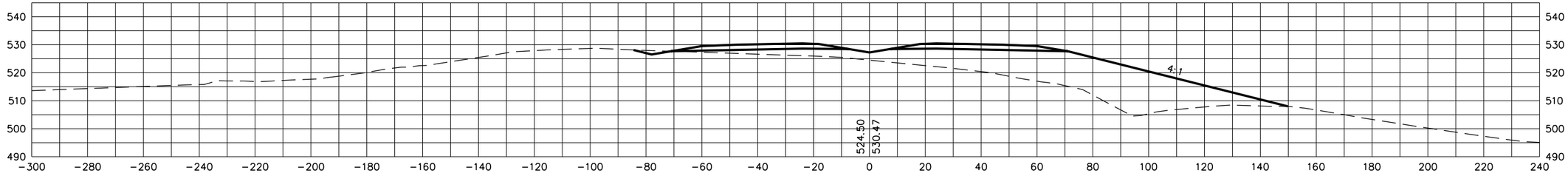
449+50



449+00



448+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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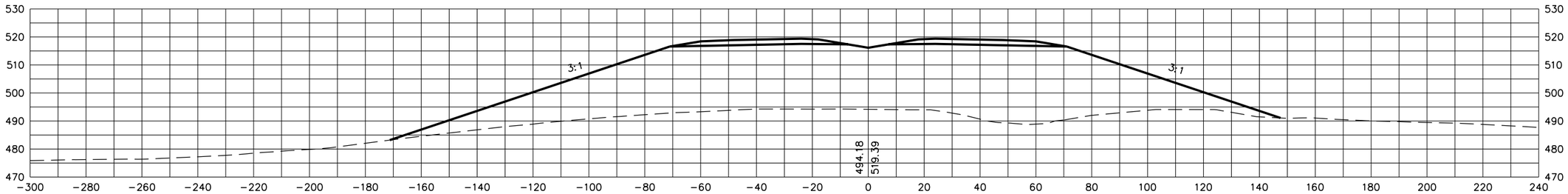
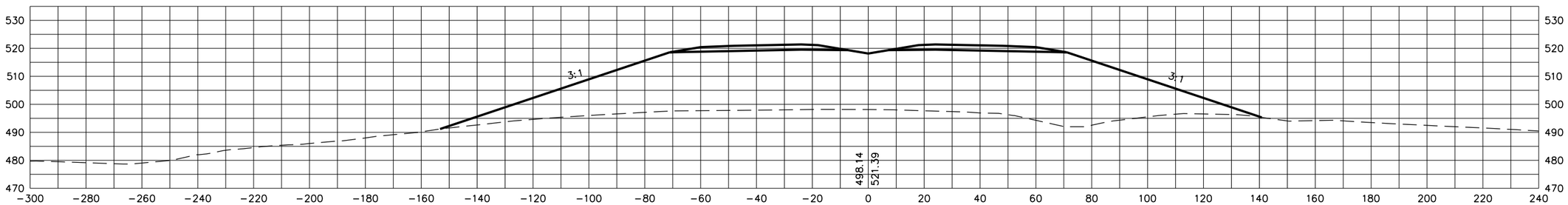
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	283
CONST	2014	36001-3290-14	

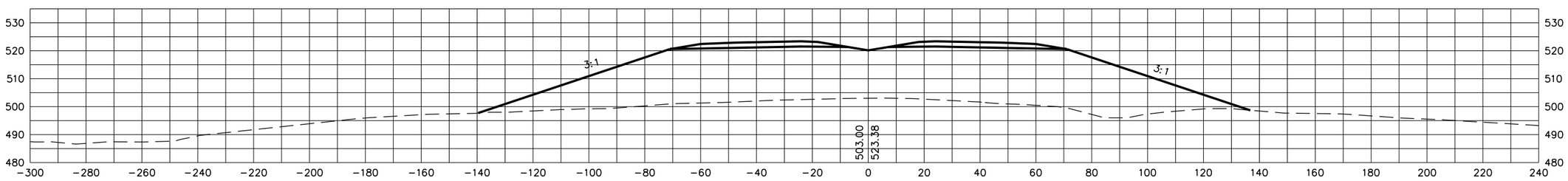
451+50



451+00



450+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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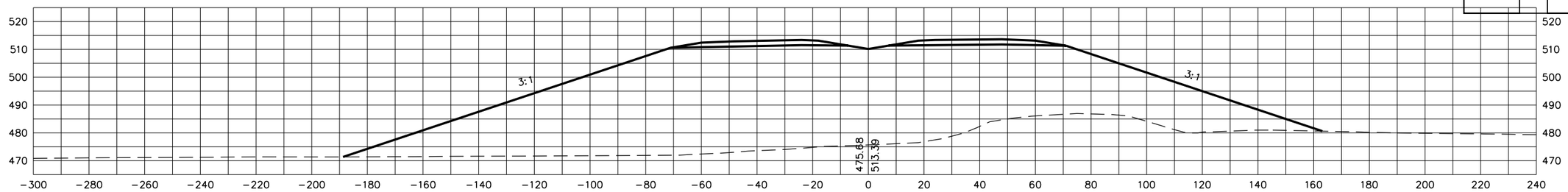
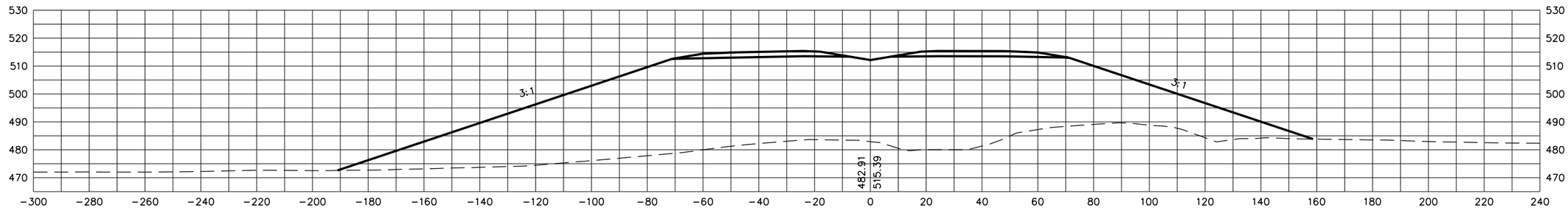
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	284
CONST	2014	36001-3290-14	

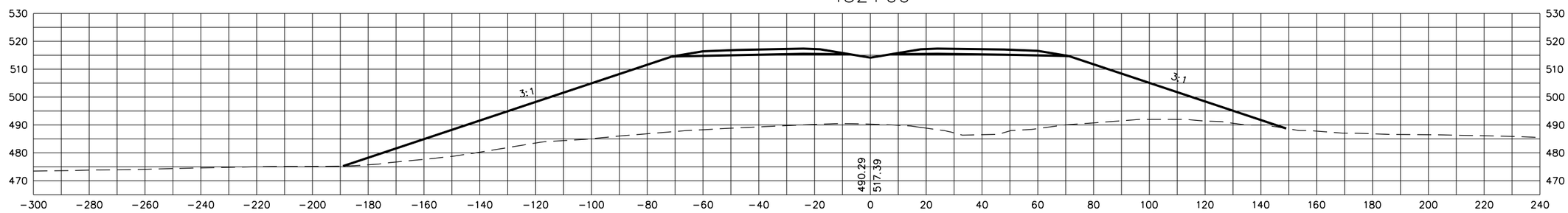
453+00



452+50



452+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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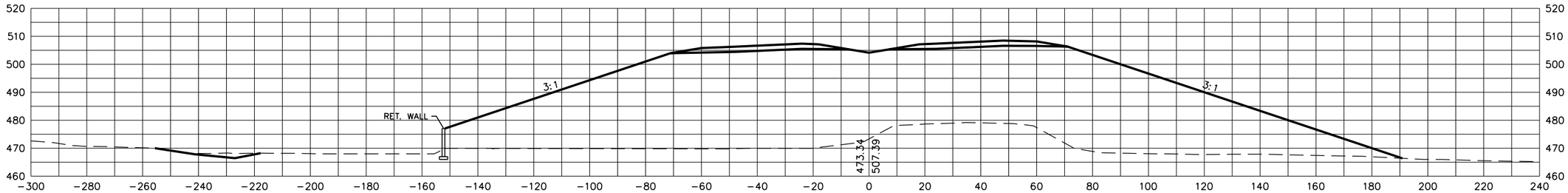
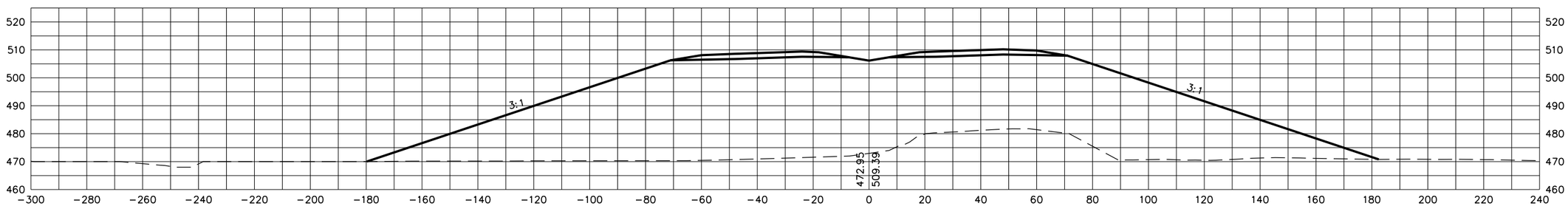
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	285
CONST	2014	36001-3290-14	

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

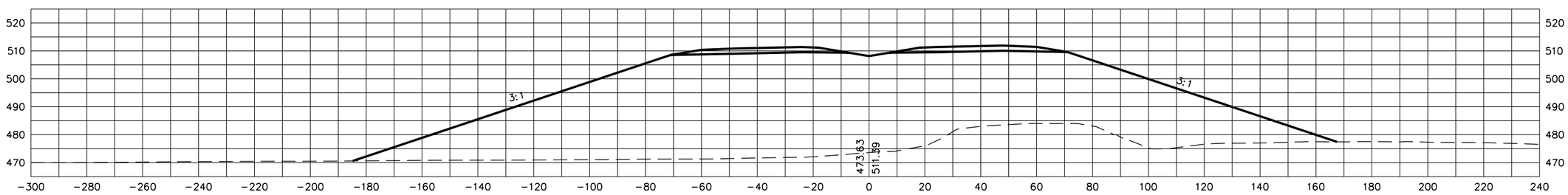
454+50



454+00



453+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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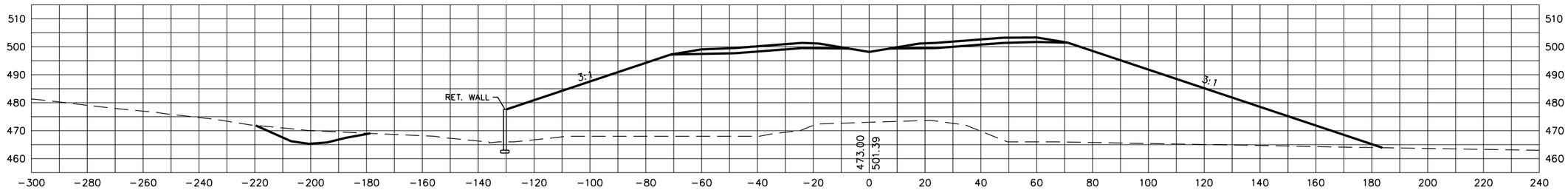
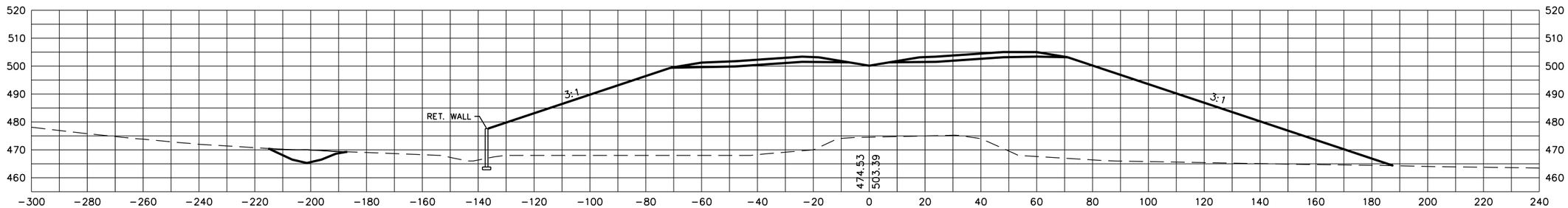
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	286
CONST	2014	36001-3290-14	

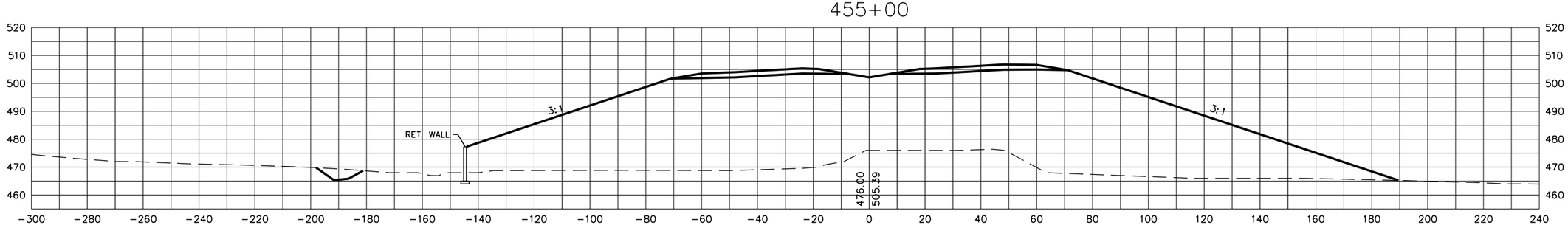
456+00



455+50



455+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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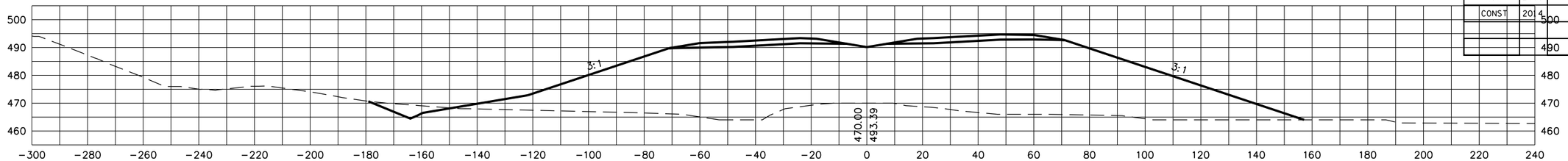
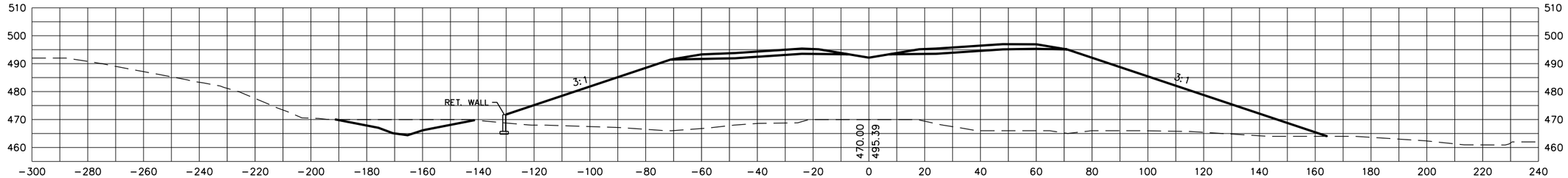
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	287
CONST	2014	36001-3290-14	

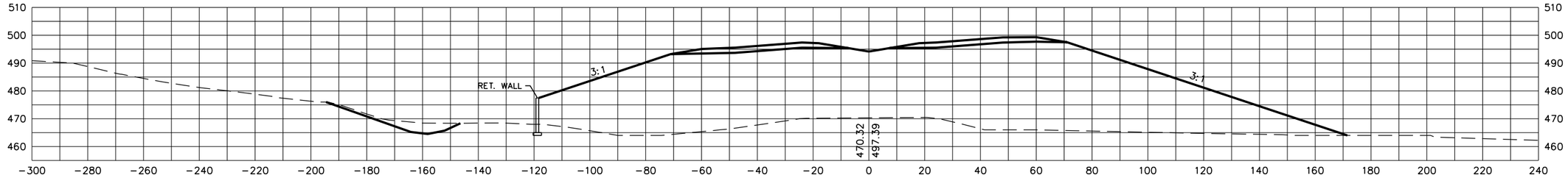
458+00



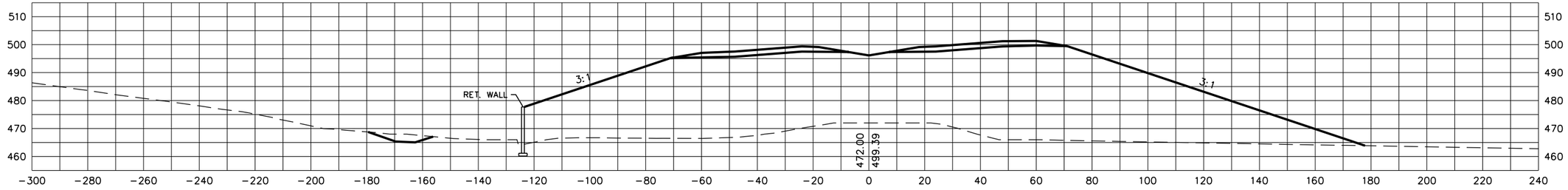
457+50



457+00



456+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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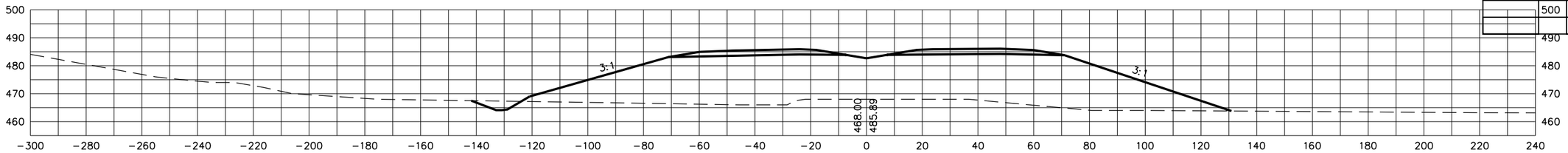
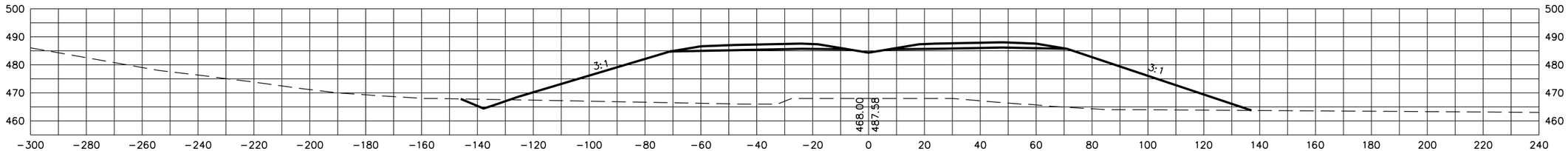
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	288
CONST	2014	36001-3290-14	
	500		

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

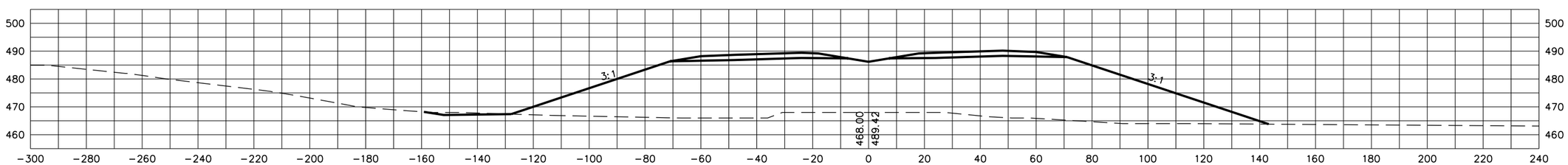
460+00



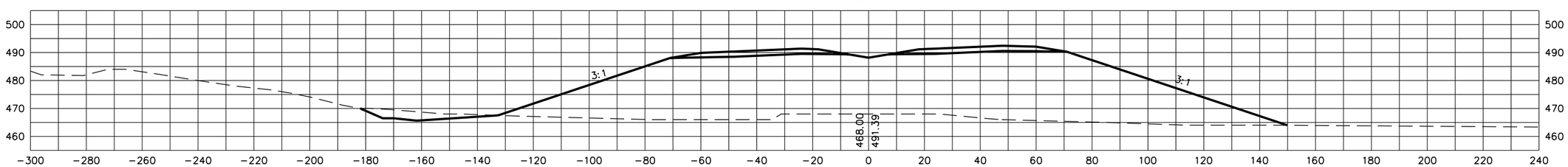
459+50



459+00



458+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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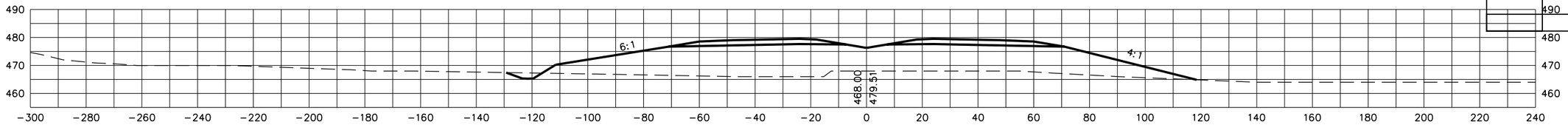
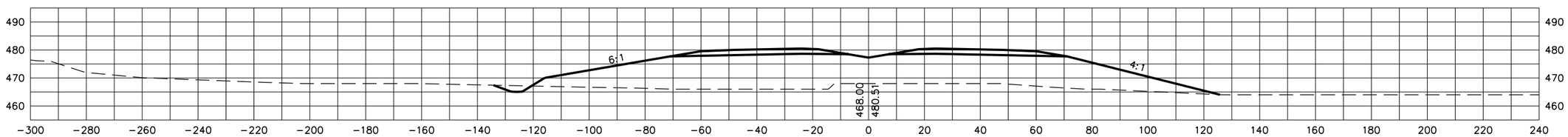
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	289
CONST	2014	36001-3290-14	

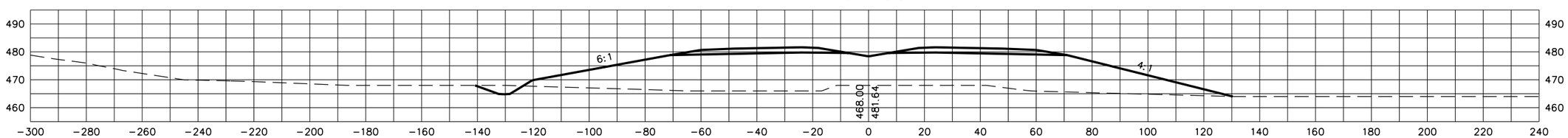
462+50



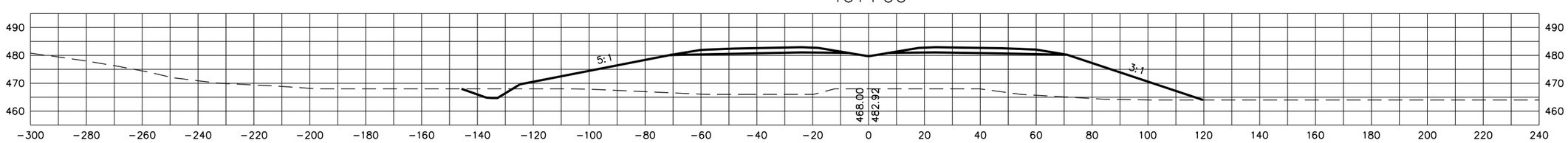
462+00



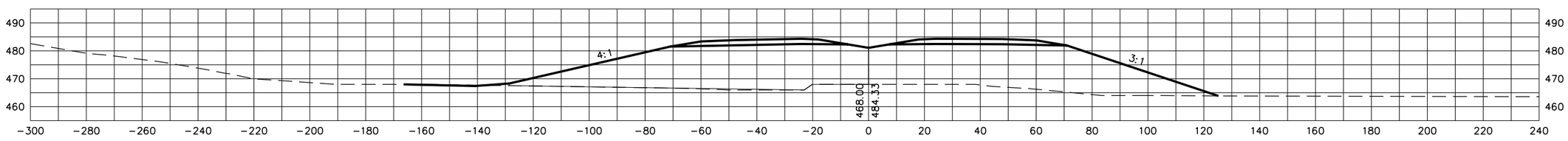
461+50



461+00



460+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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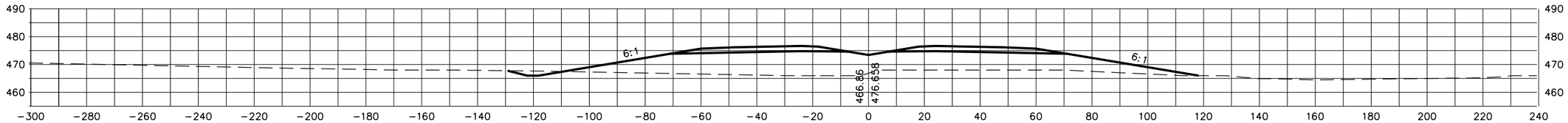
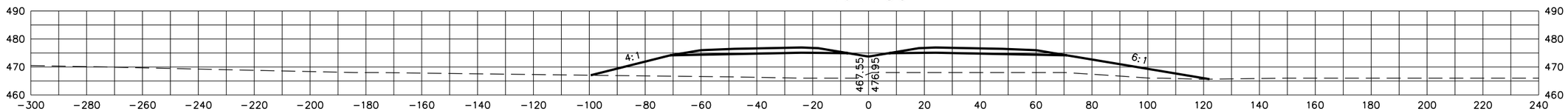
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	290
CONST	2014	36001-3290-14	

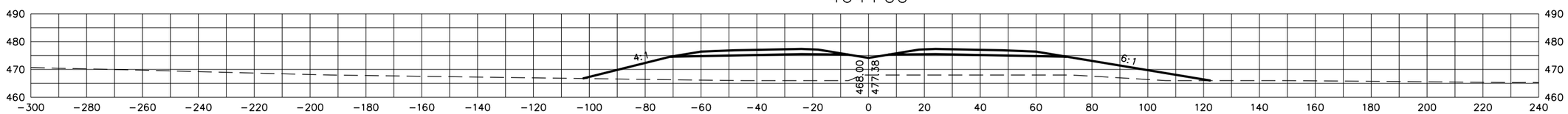
465+00



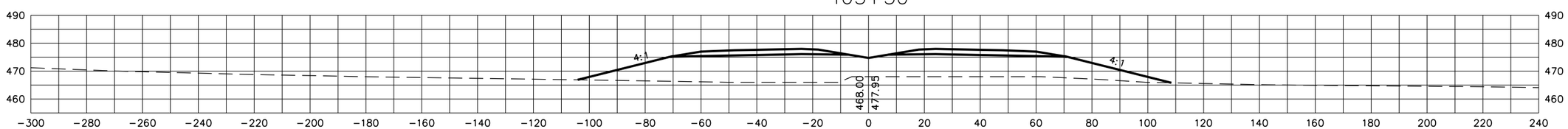
464+50



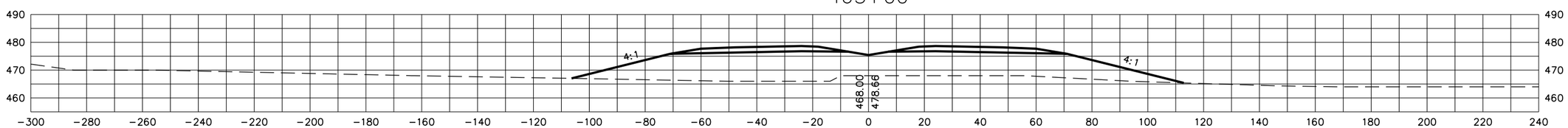
464+00



463+50



463+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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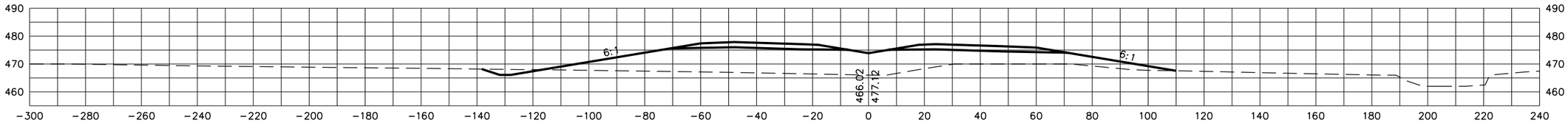
C:\BEYONDSITES ENGINEERING\2011\1005BEJ-Parker\099\DESIGN\main_xsxns_SR15.dgn

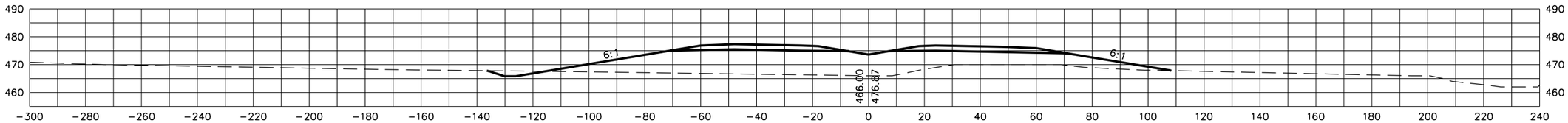
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	291
CONST	2014	36001-3290-14	

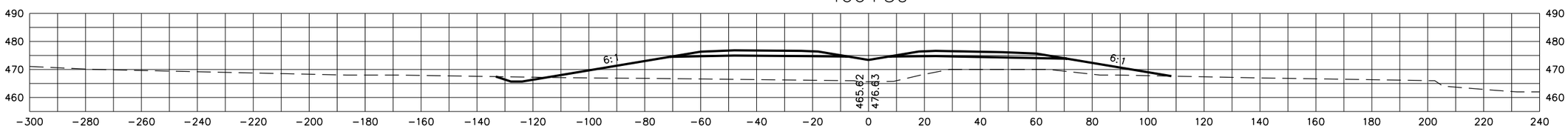
467+50



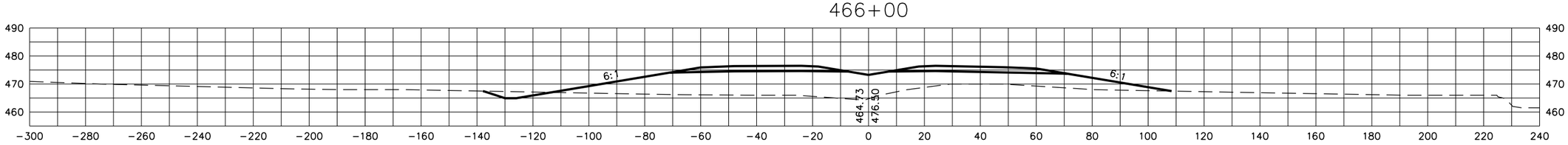
467+00



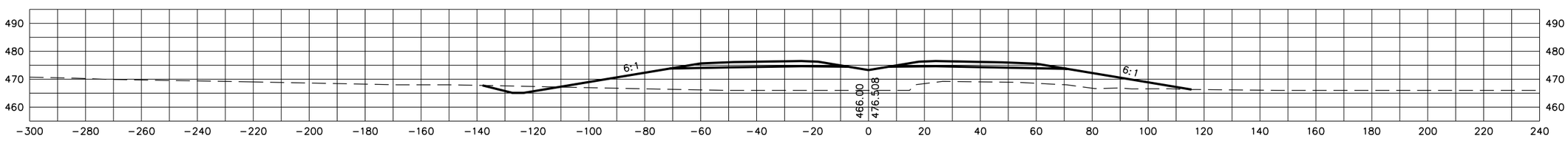
466+50



466+00



465+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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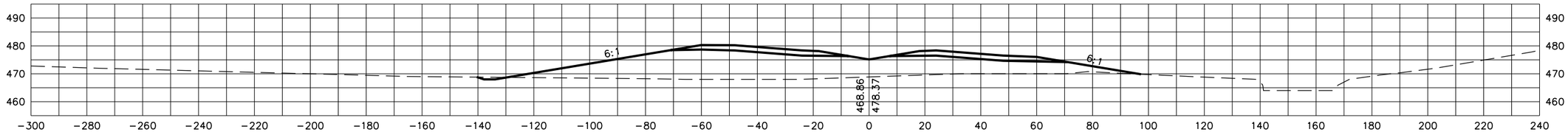
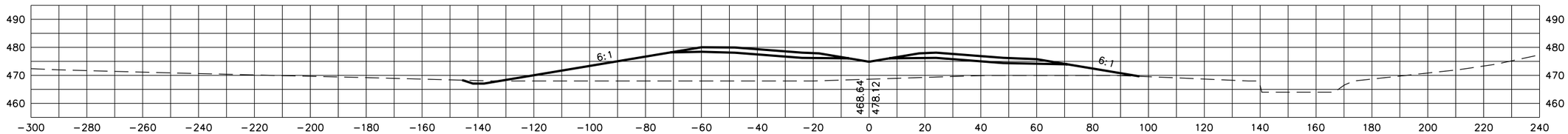
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	292
CONST	2014	36001-3290-14	

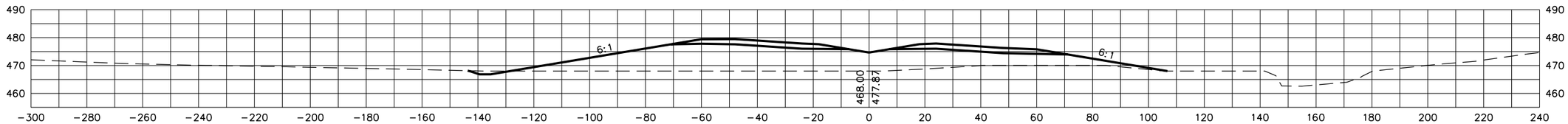
470+00



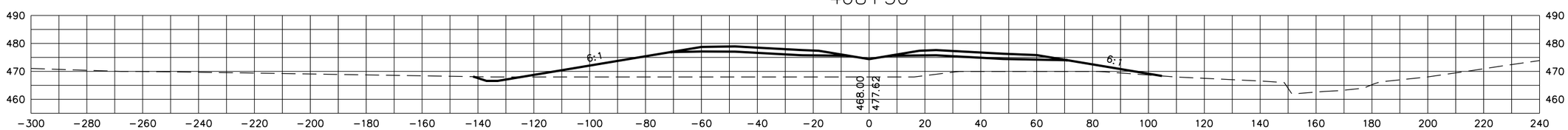
469+50



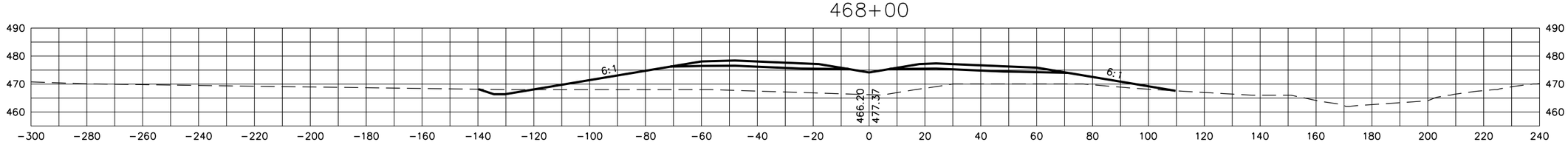
469+00



468+50



468+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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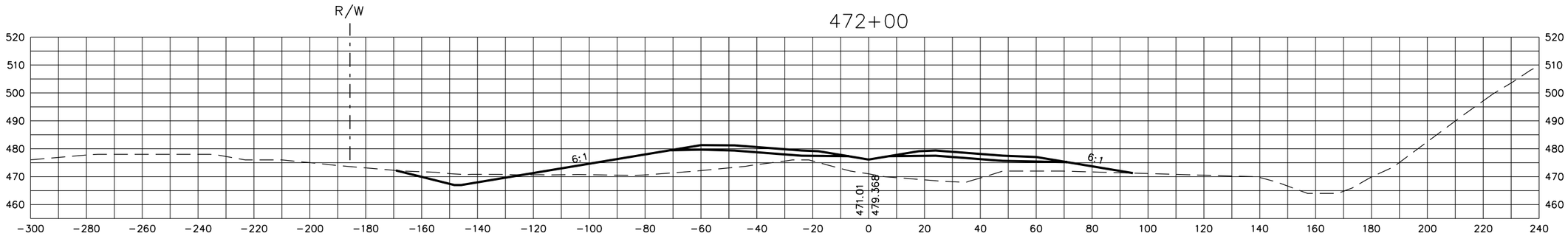
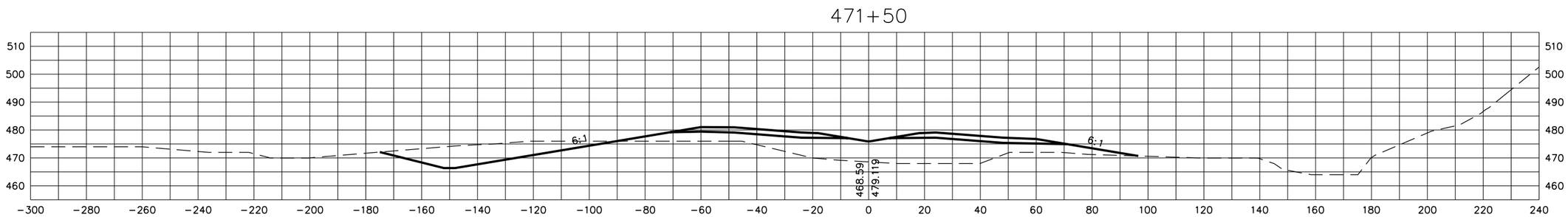
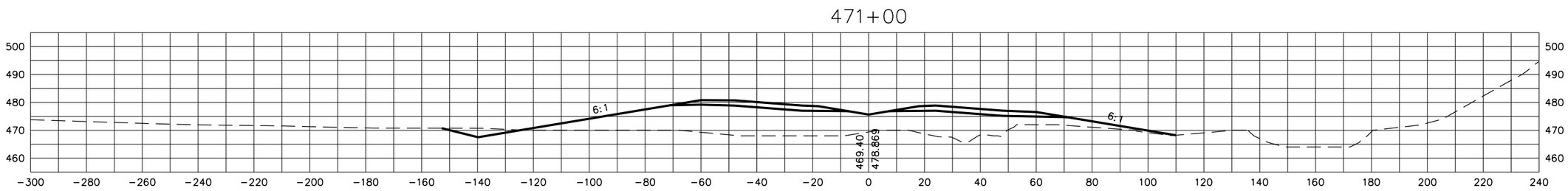
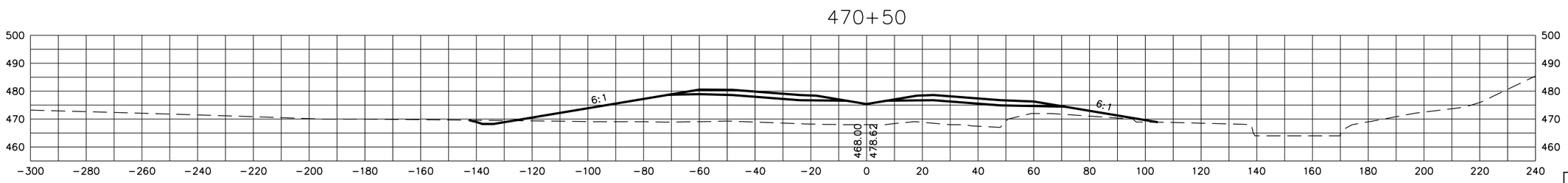
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	293
CONST	2014	36001-3290-14	









STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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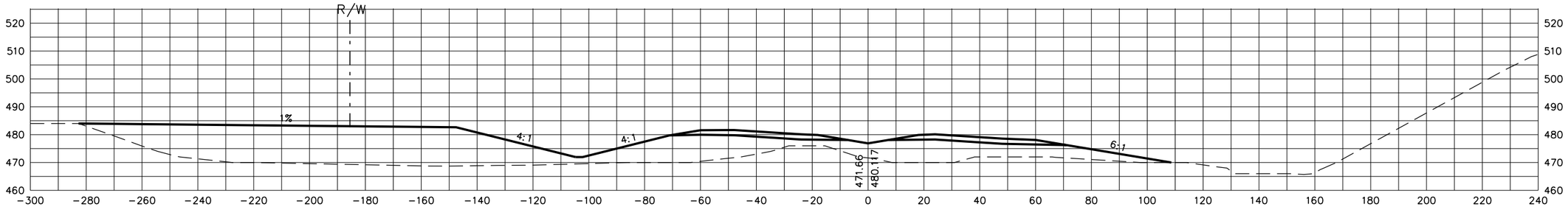
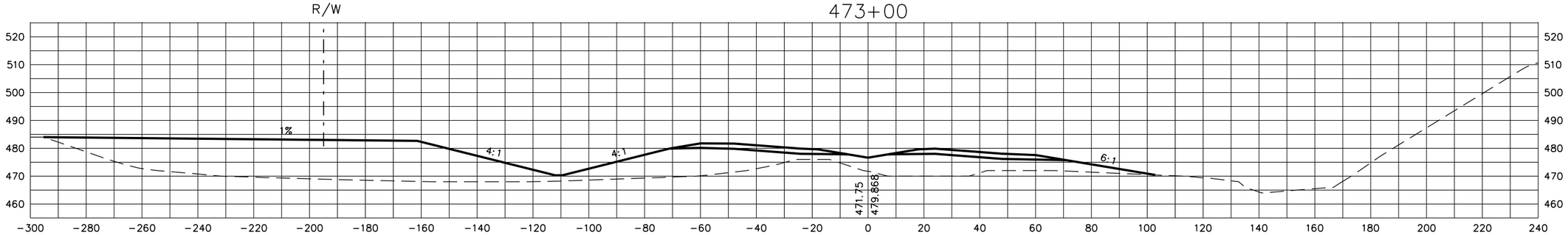
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	294
CONST	2014	36001-3290-14	

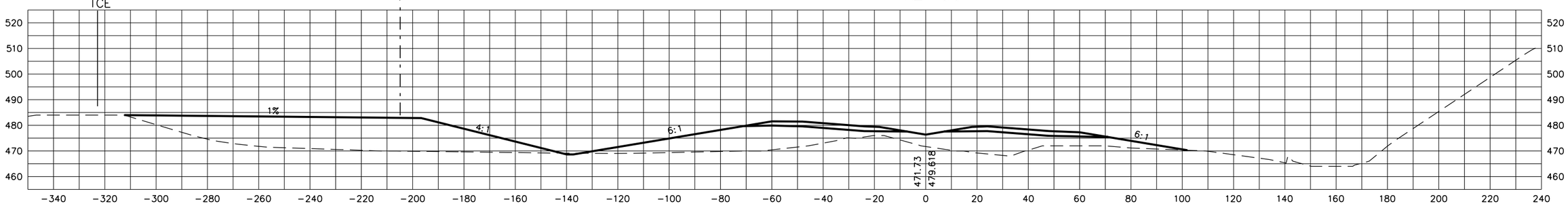
473+50



473+00



472+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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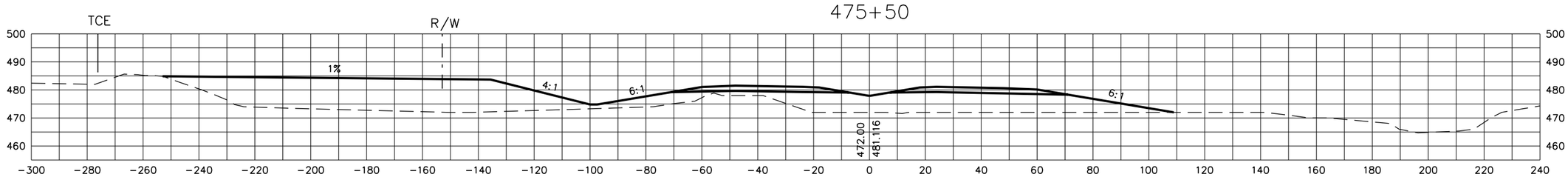
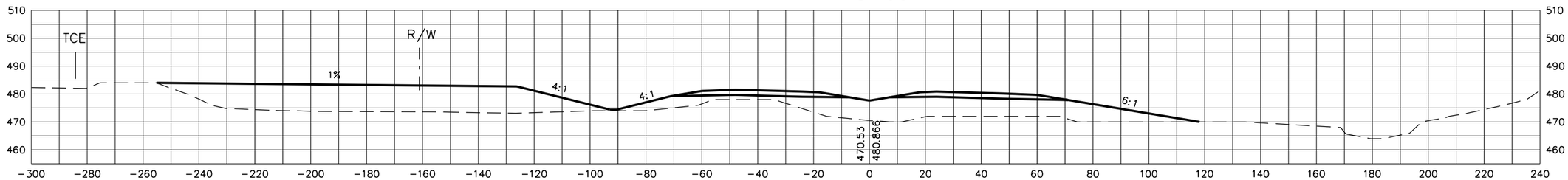
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	295
CONST	2014	36001-3290-14	

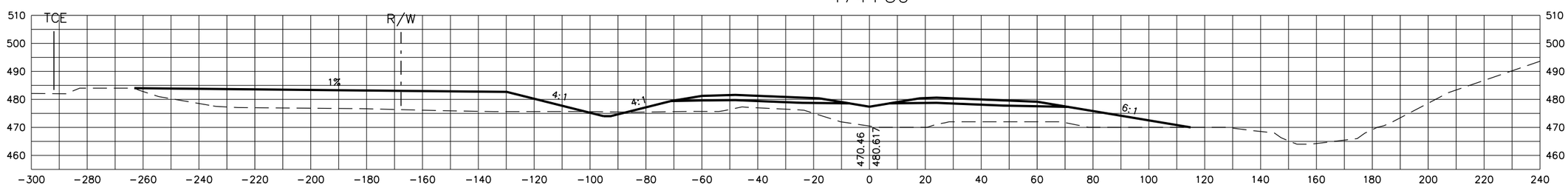
475+50



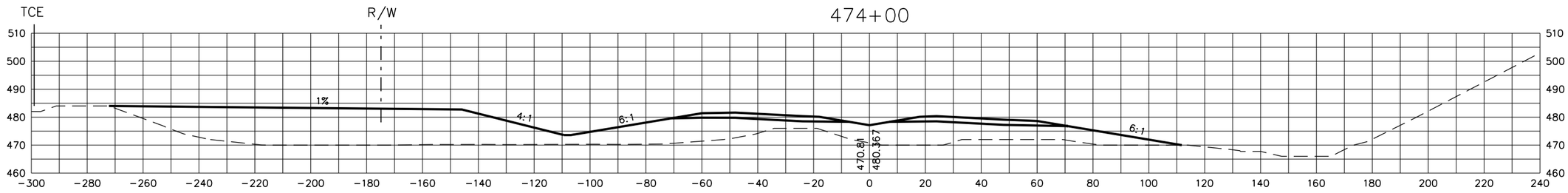
475+00



474+50



474+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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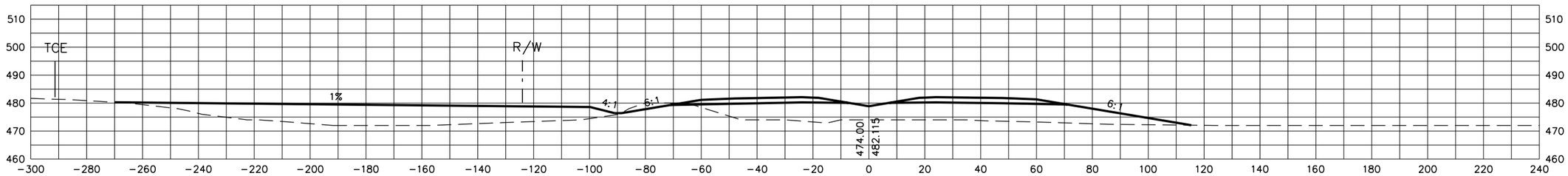
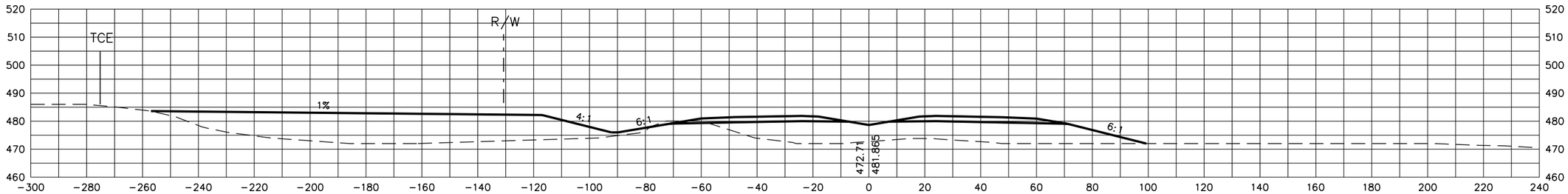
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	296
CONST	2014	36001-3290-14	

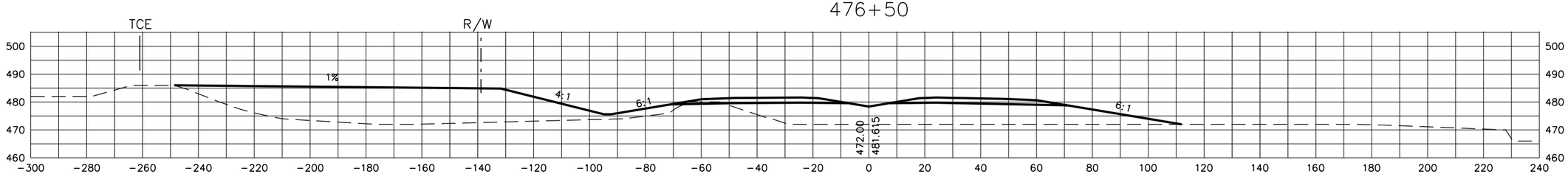
477+50



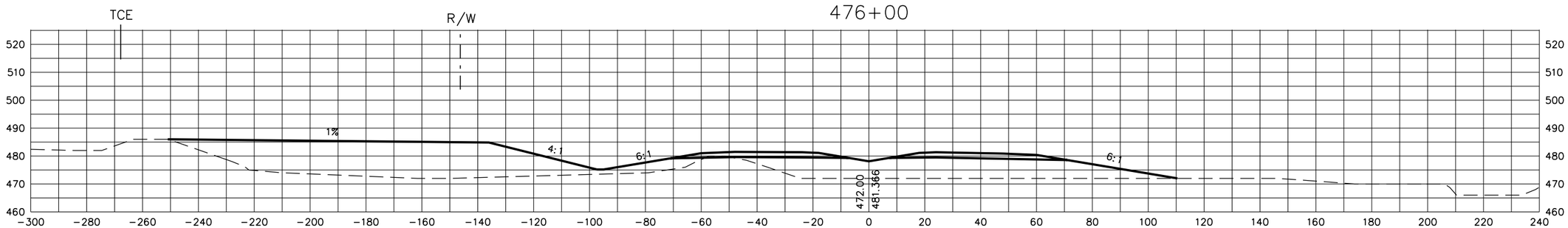
477+00



476+50



476+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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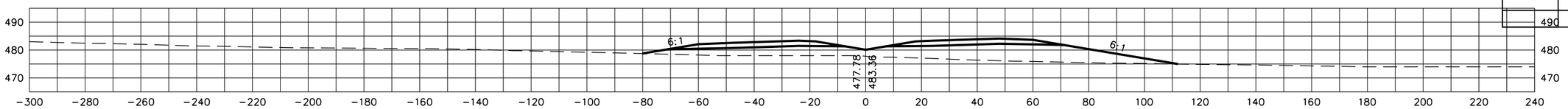
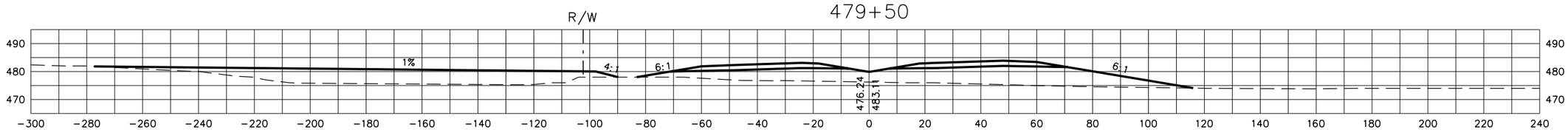
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	297
CONST	2014	36001-3290-14	

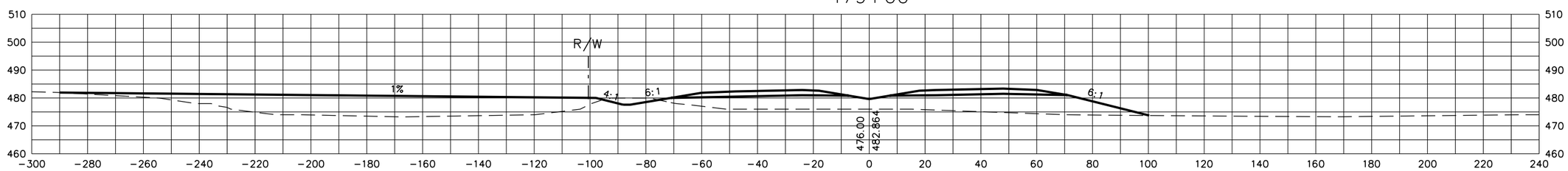
480+00



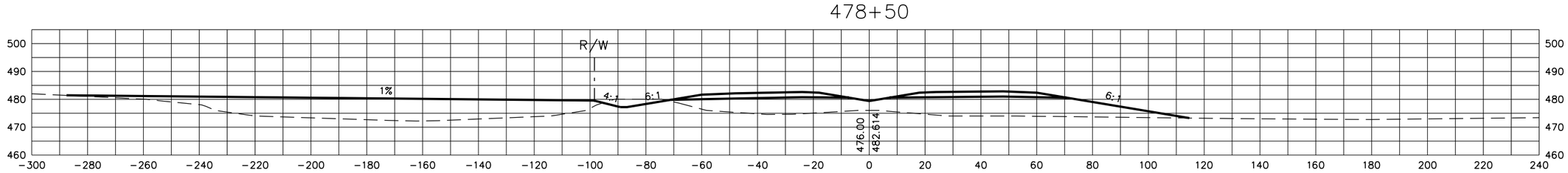
479+50



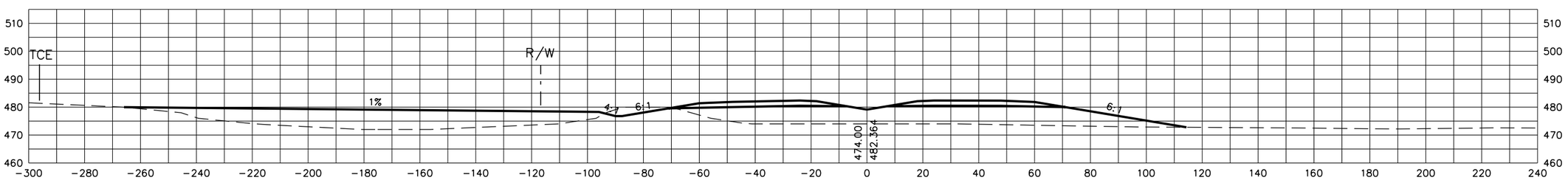
479+00



478+50



478+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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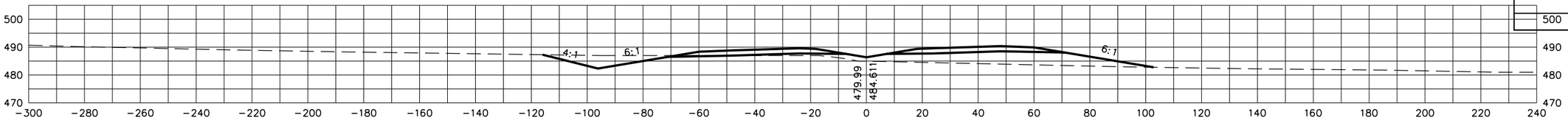
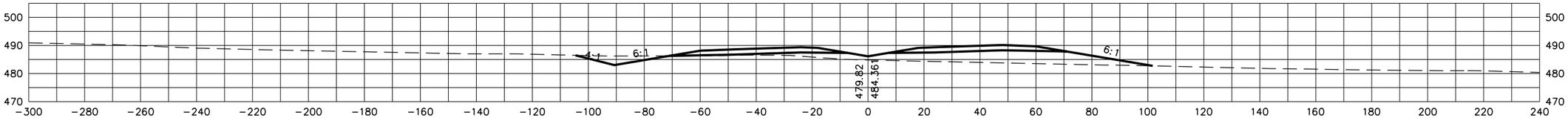
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	298
CONST	2014	36001-3290-14	

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

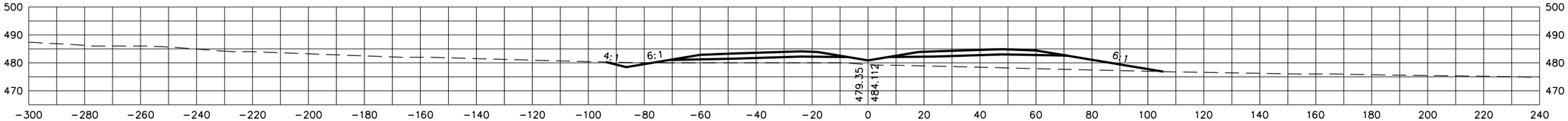
482+50



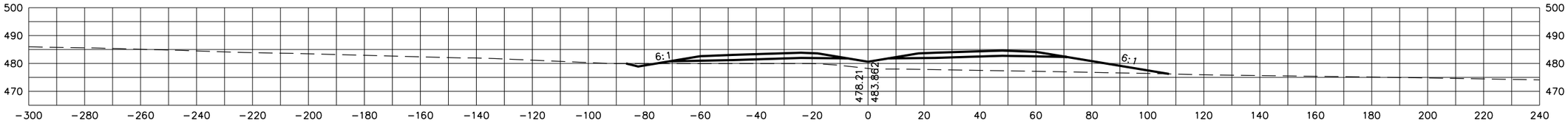
482+00



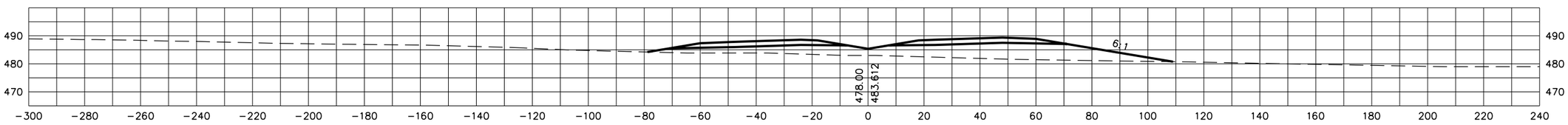
481+50



481+00



480+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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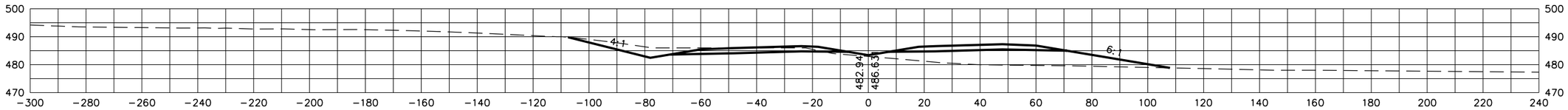
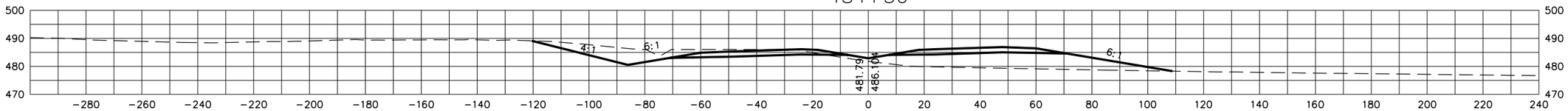
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	299
CONST	2014	36001-3290-14	

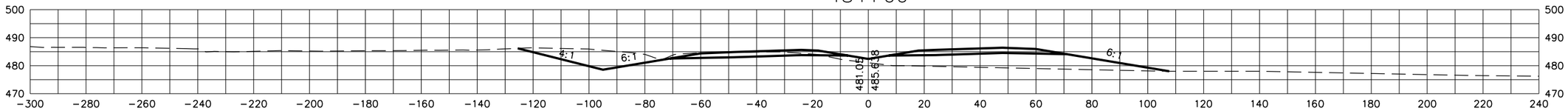
485+00



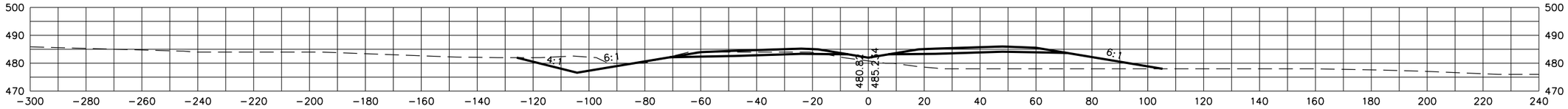
484+50



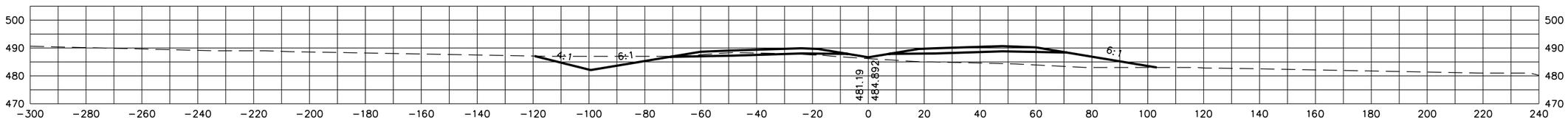
484+00



483+50



483+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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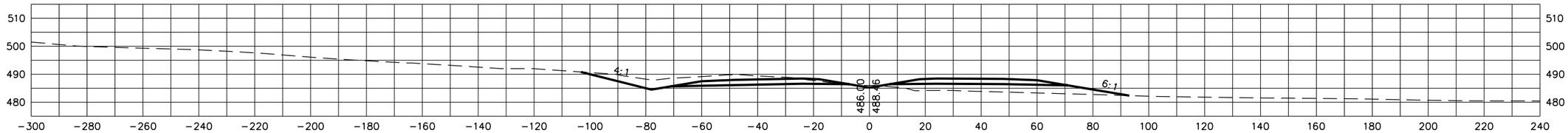
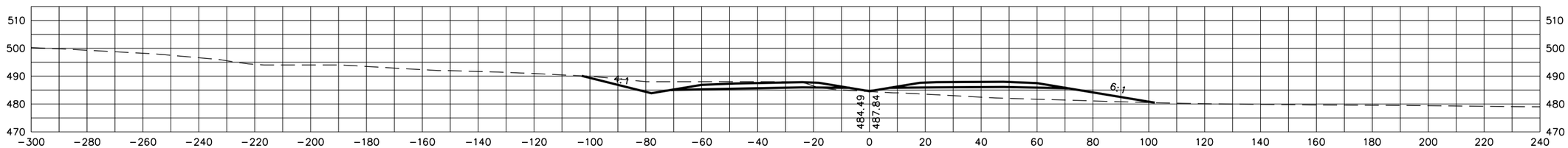
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	300
CONST	2014	36001-3290-14	

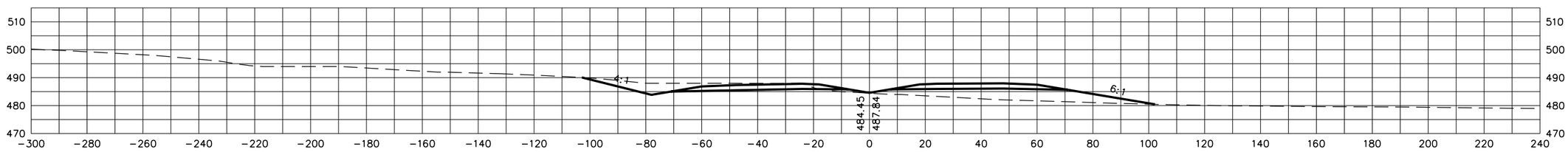
486+50



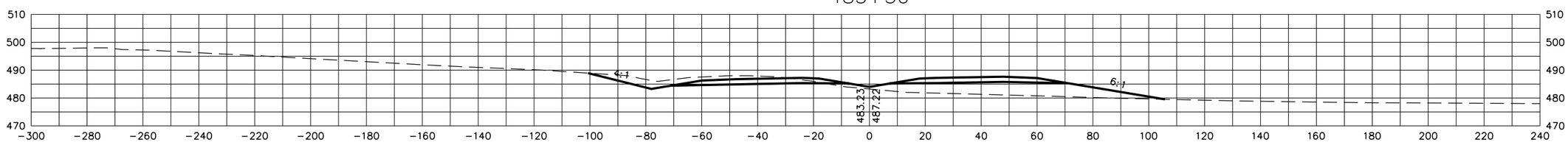
486+00



485+99.63



485+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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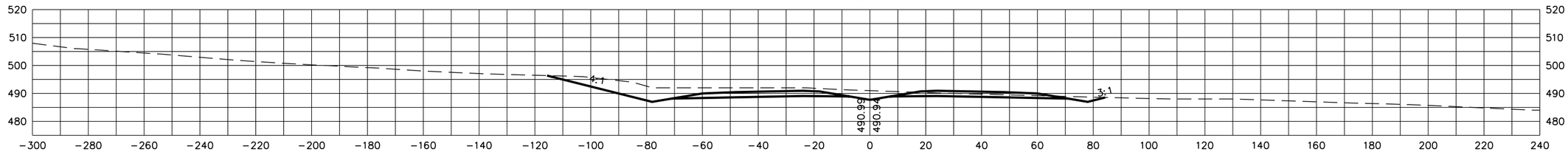
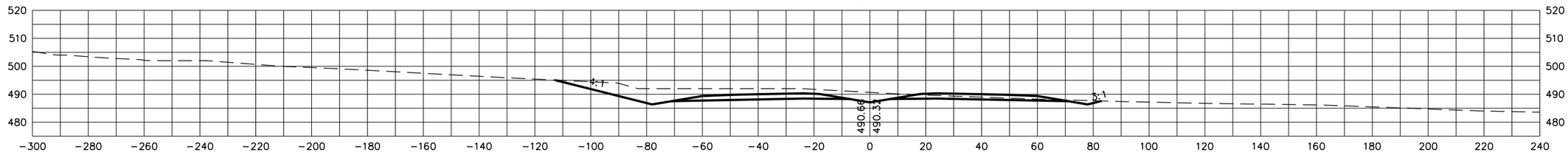
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	301
CONST	2014	36001-3290-14	

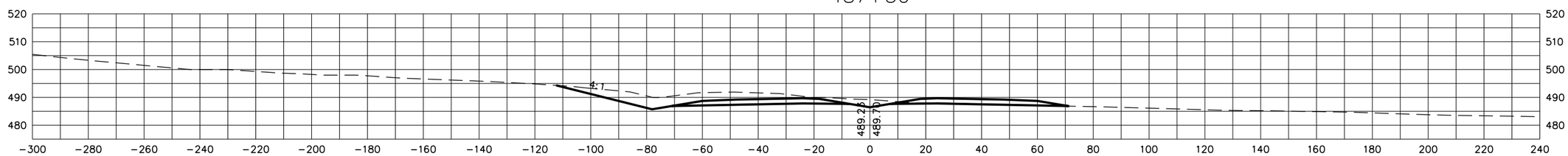
488+50



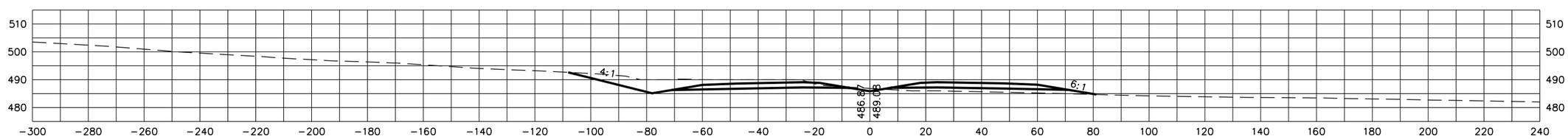
488+00



487+50



487+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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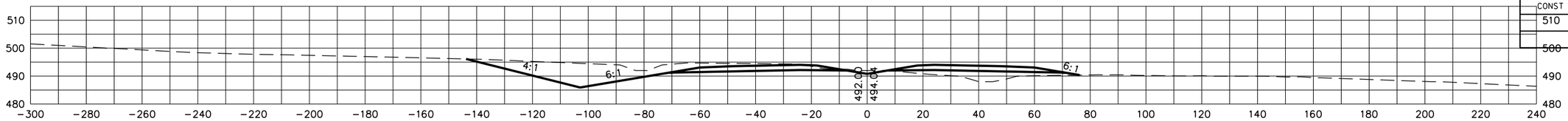
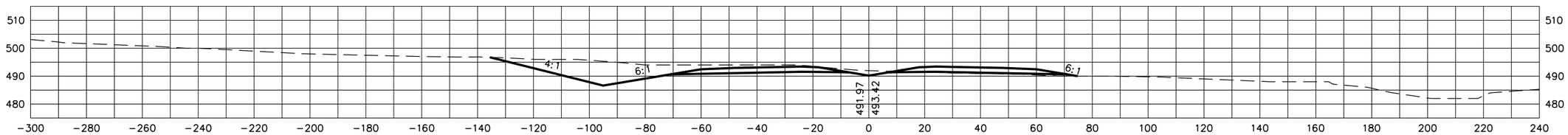
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	302
CONST	2014	36001-3290-14	

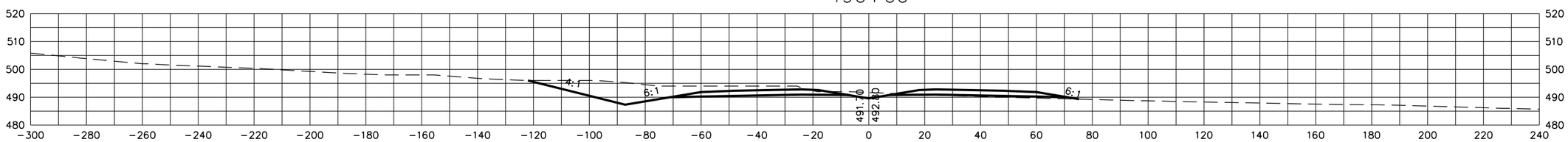
491+00



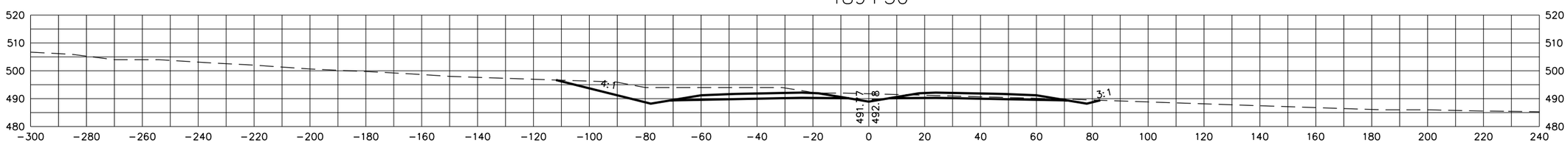
490+50



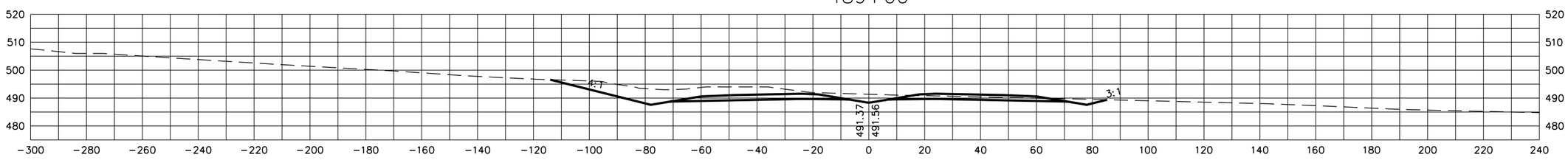
490+00



489+50



489+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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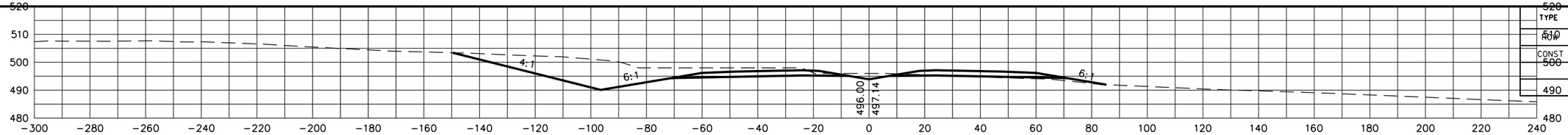
TENNESSEE D.O.T.

DESIGN DIVISION

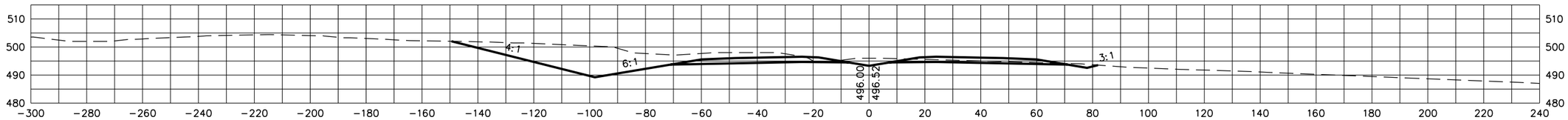
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	303
CONST	2014	36001-3290-14	

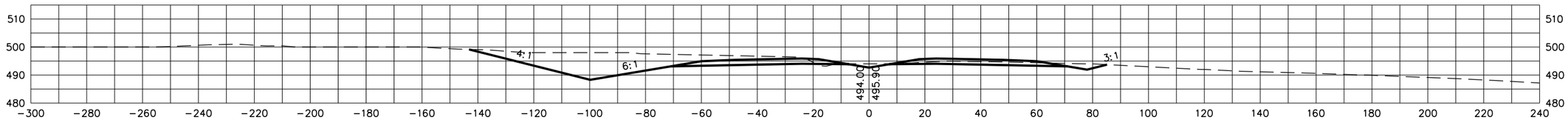
493+50



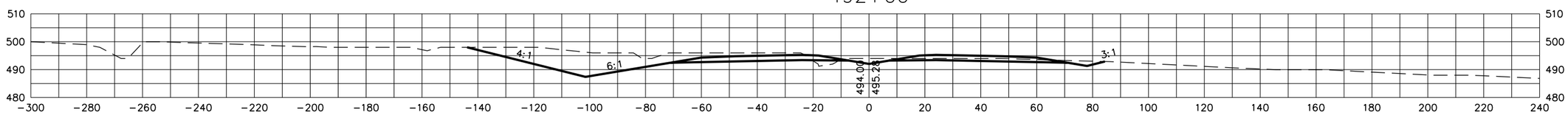
493+00



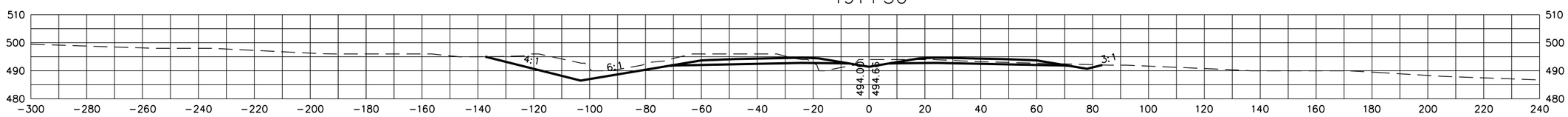
492+50



492+00



491+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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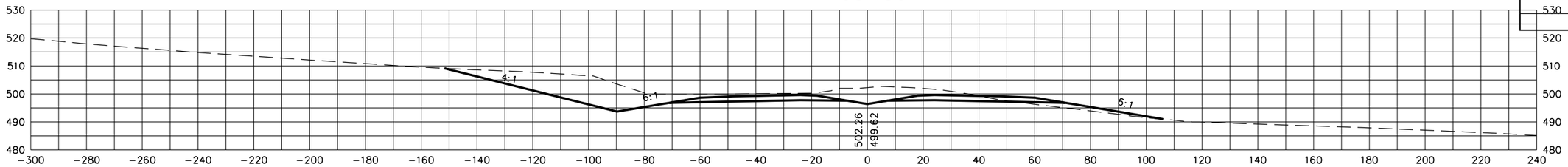
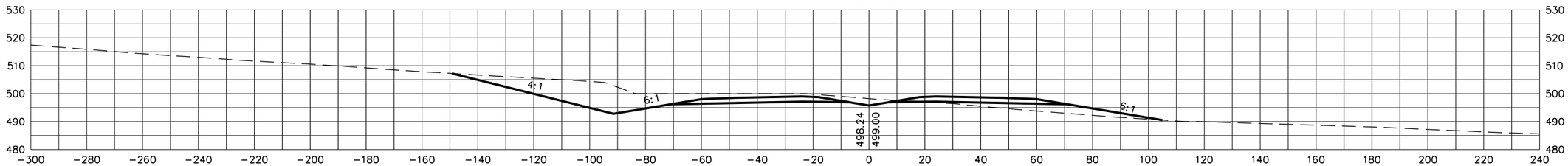
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	304
CONST	2014	36001-3290-14	

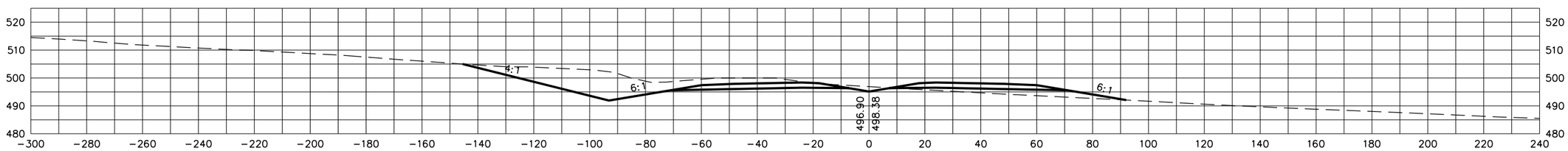
495+50



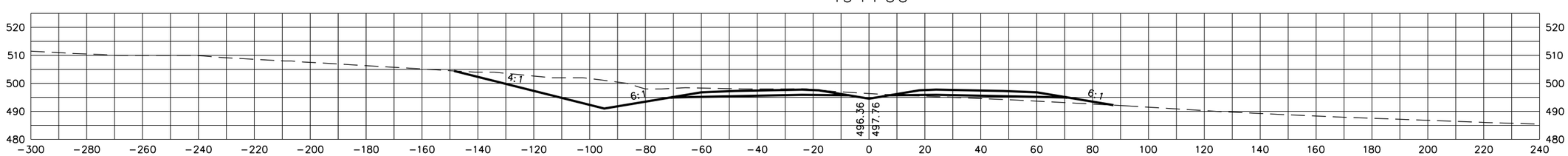
495+00



494+50



494+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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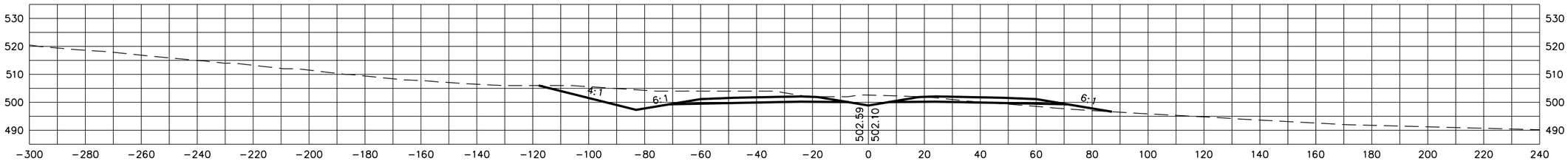
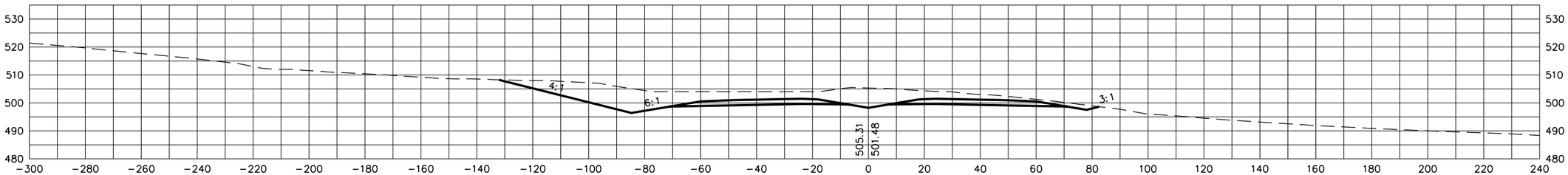
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	305
CONST	2014	36001-3290-14	

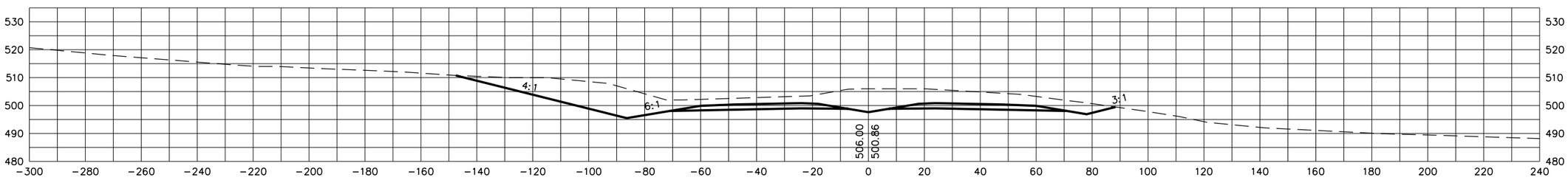
497+50



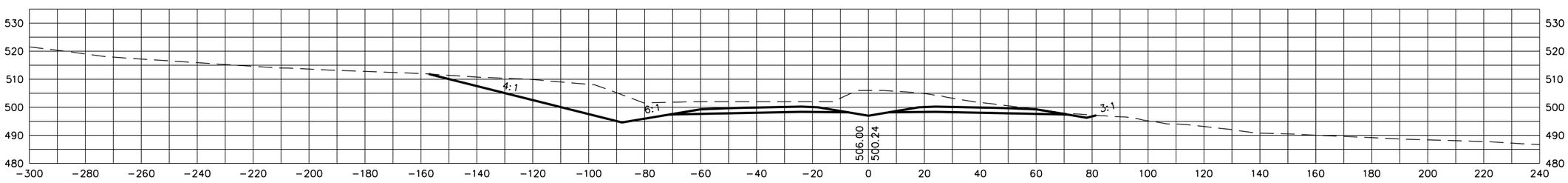
497+00



496+50



496+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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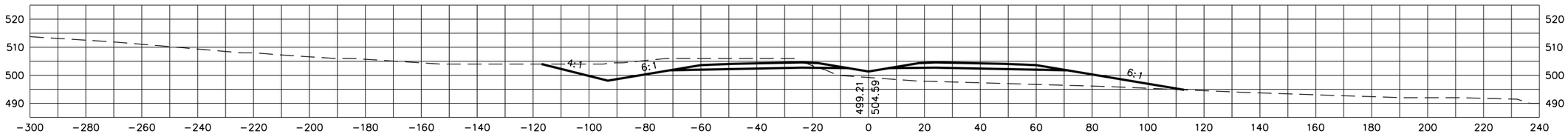
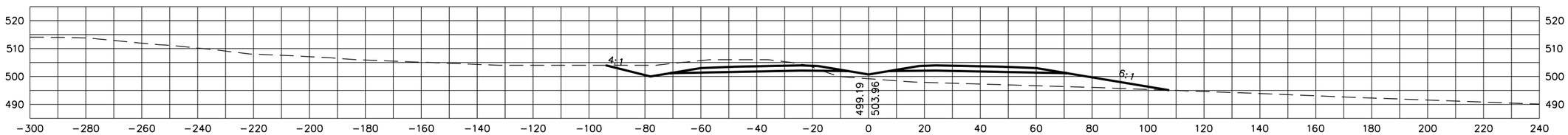
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	306
CONST	2014	36001-3290-14	

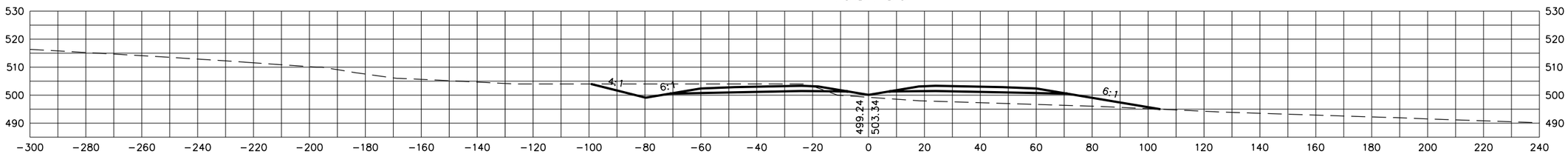
499+50



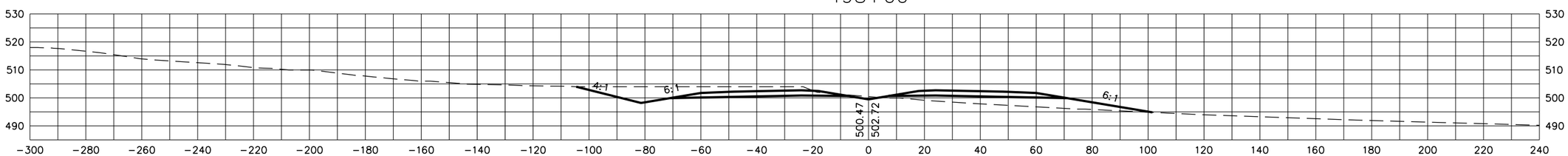
499+00



498+50



498+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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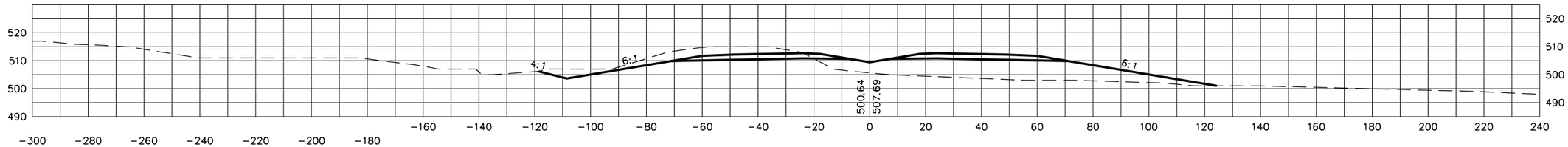
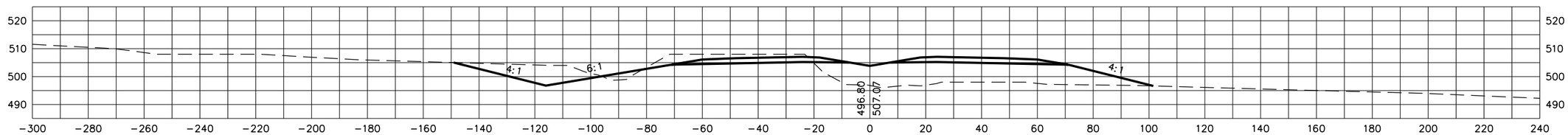
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	307
CONST	2014	36001-3290-14	

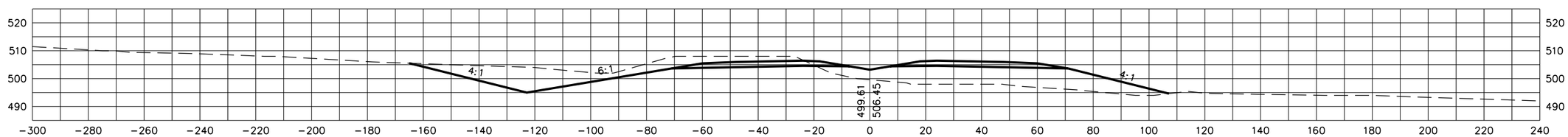
502+00



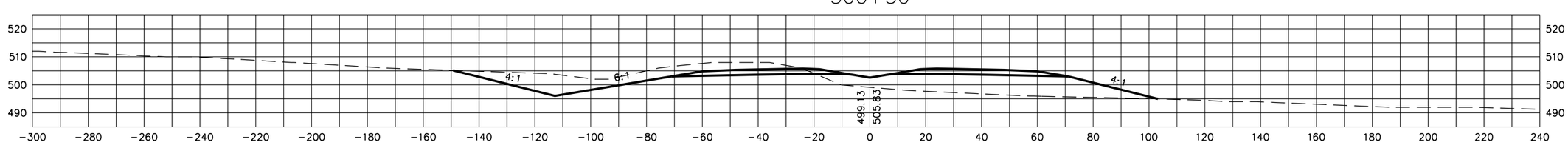
501+50



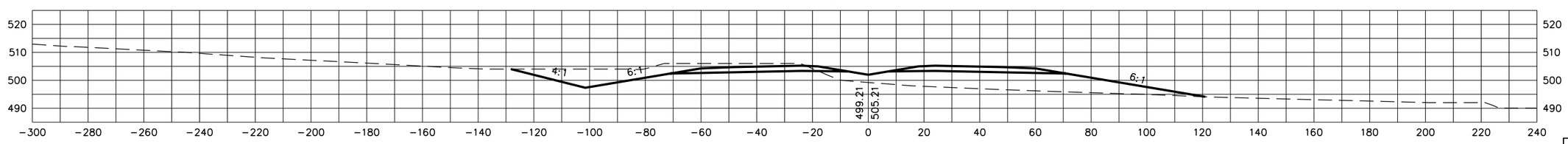
501+00



500+50



500+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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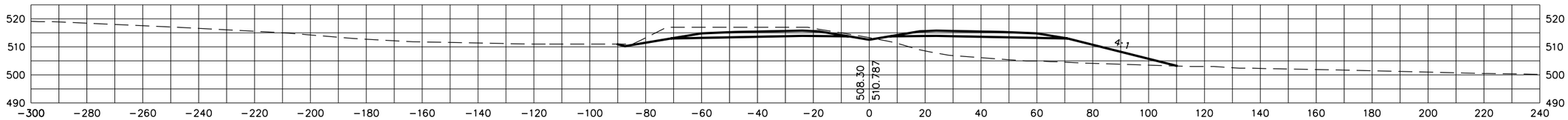
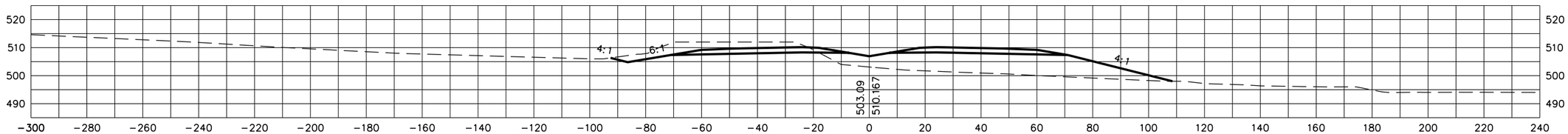
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	308
CONST	2014	36001-3290-14	

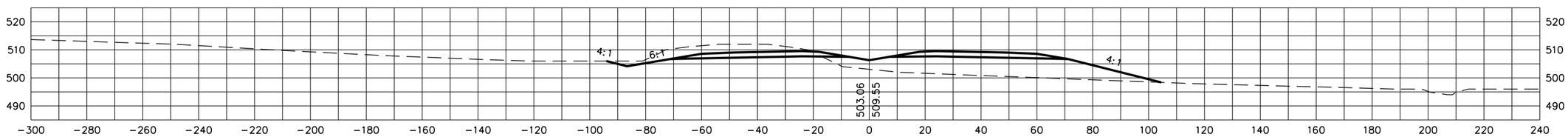
504+50



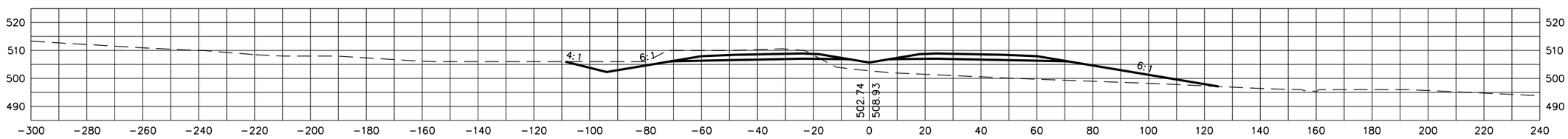
504+00



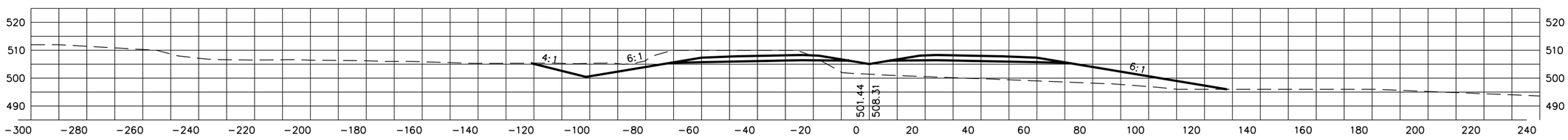
503+50



503+00



502+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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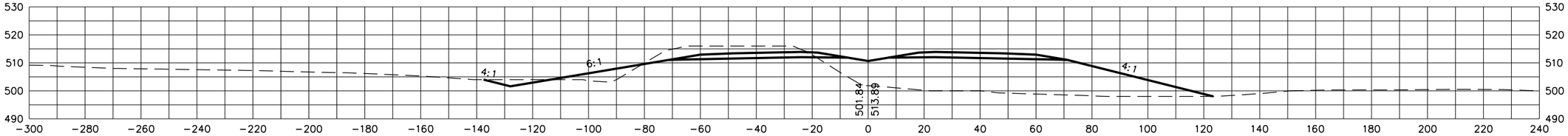
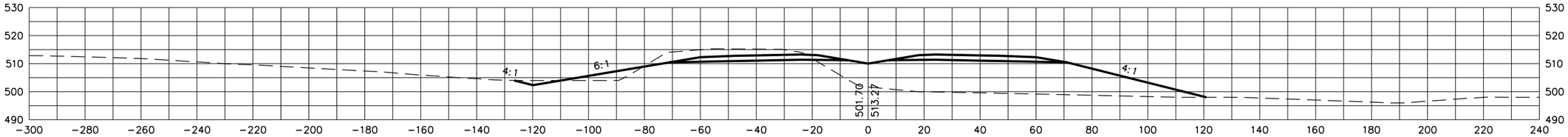
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	309
CONST	2014	36001-3290-14	

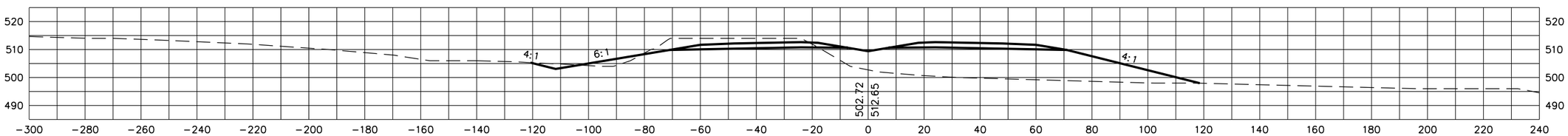
507+00



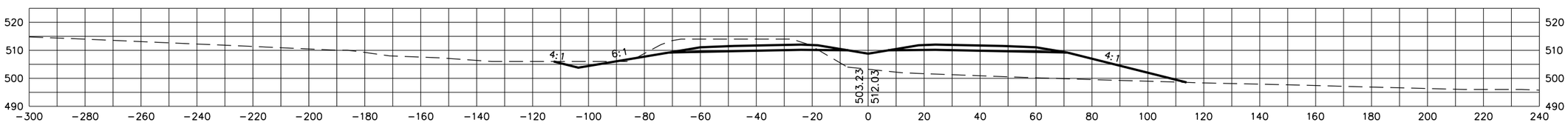
506+50



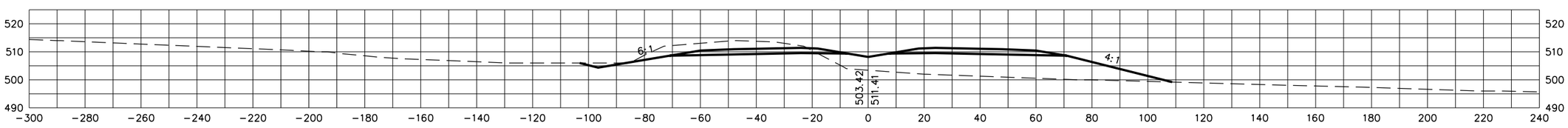
506+00



505+50



505+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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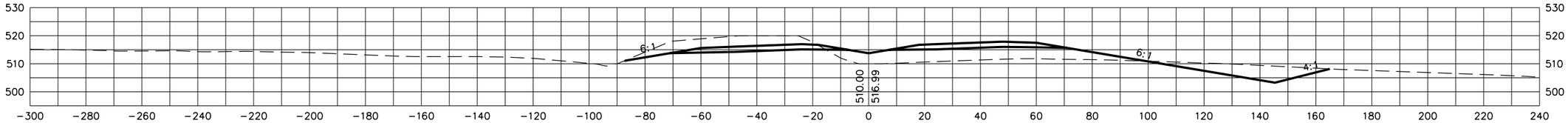
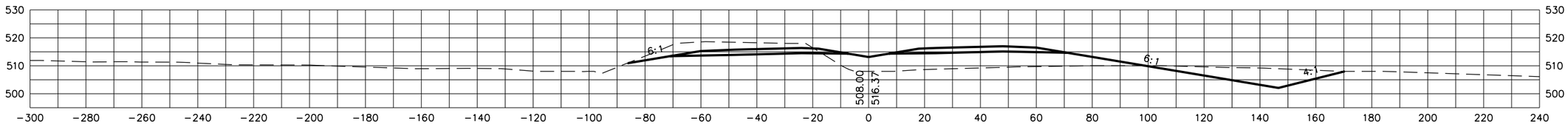
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	310
CONST	2014	36001-3290-14	

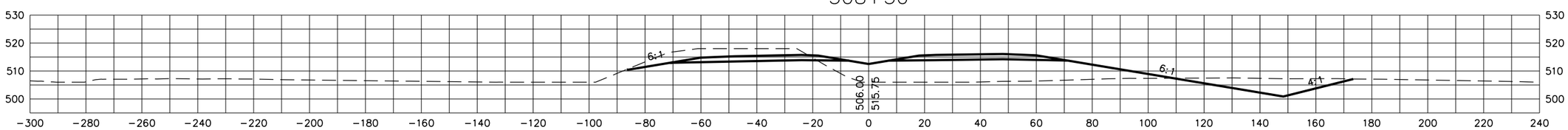
509+50



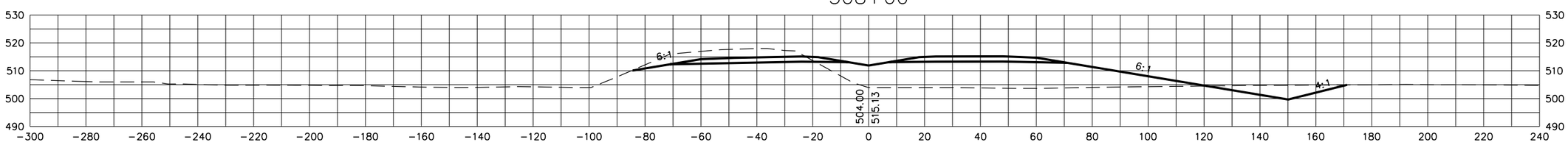
509+00



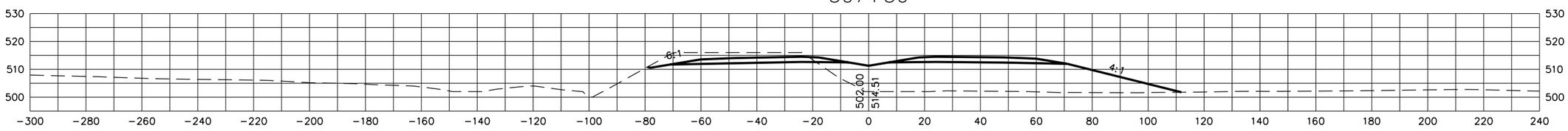
508+50



508+00



507+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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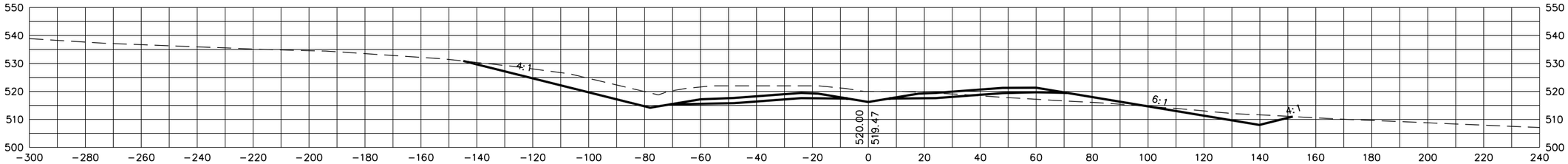
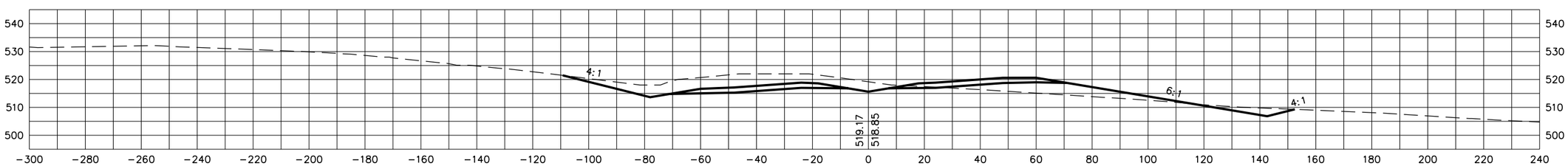
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	311
CONST	2014	36001-3290-14	

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

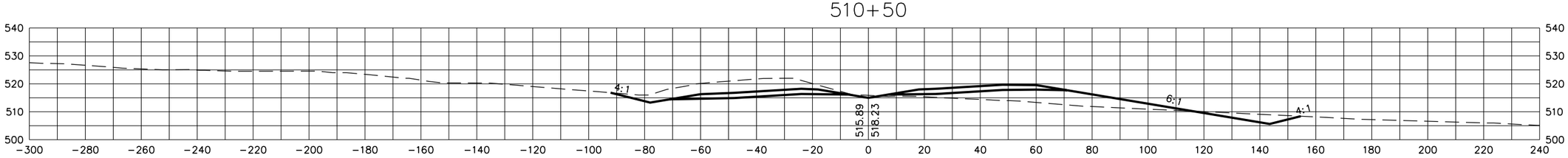
511+50



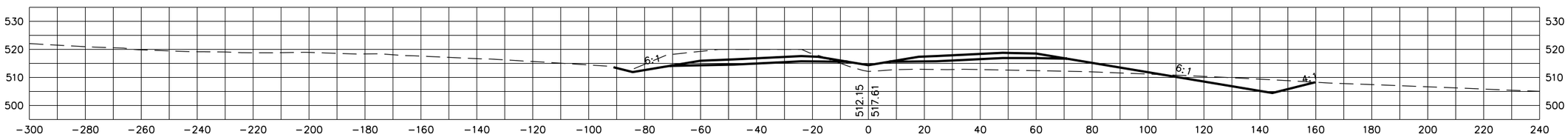
511+00



510+50



510+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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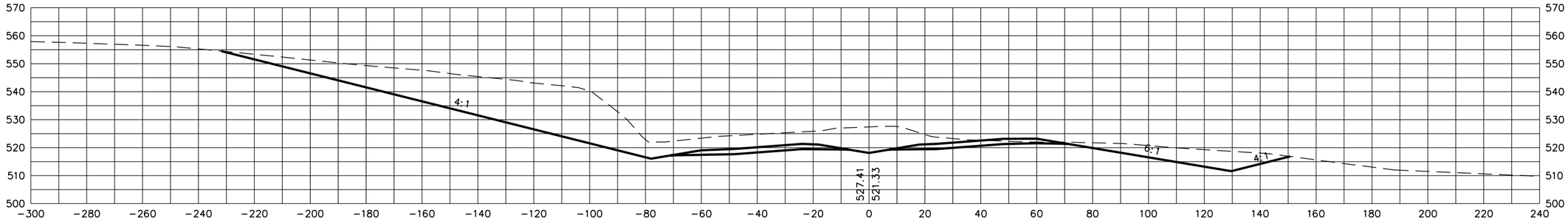
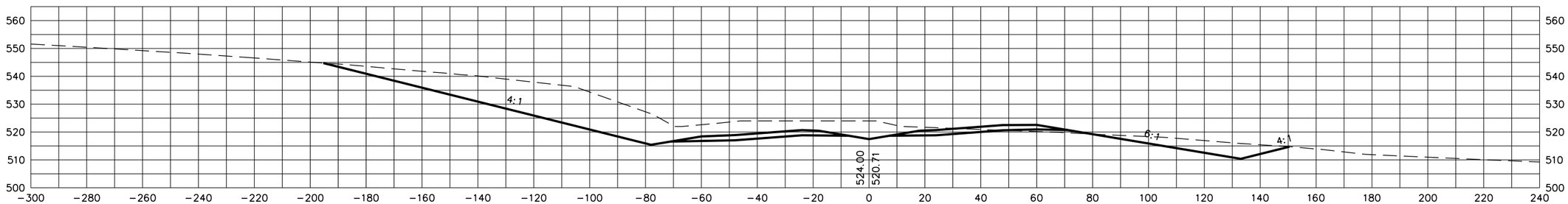
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	312
CONST	2014	36001-3290-14	

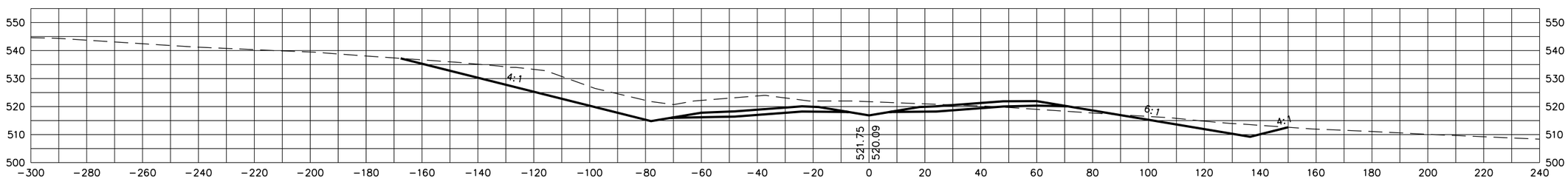
513+00



512+50



512+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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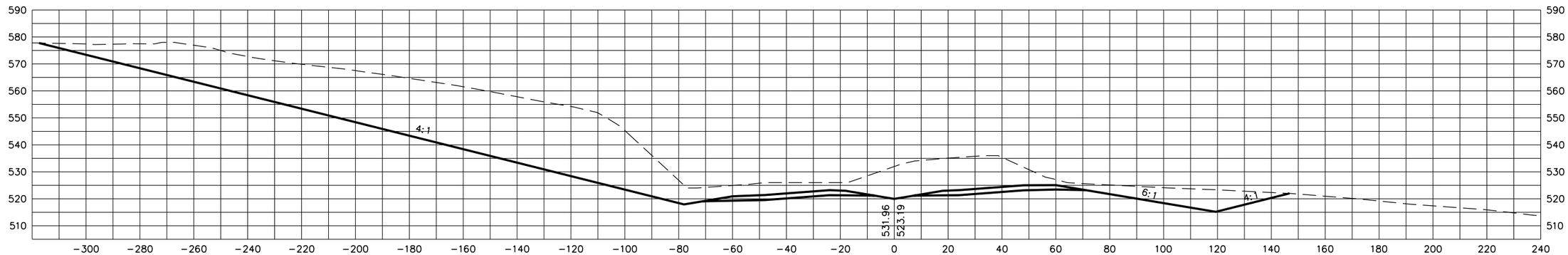
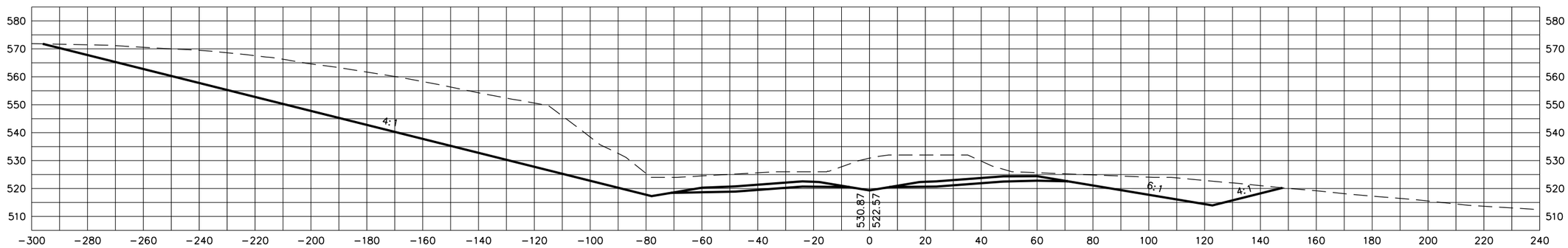
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	313
CONST	2014	36001-3290-14	

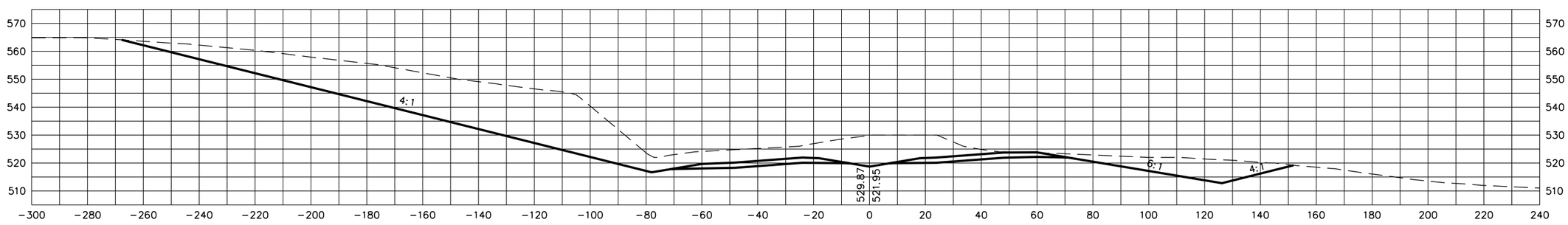
514+50



514+00



513+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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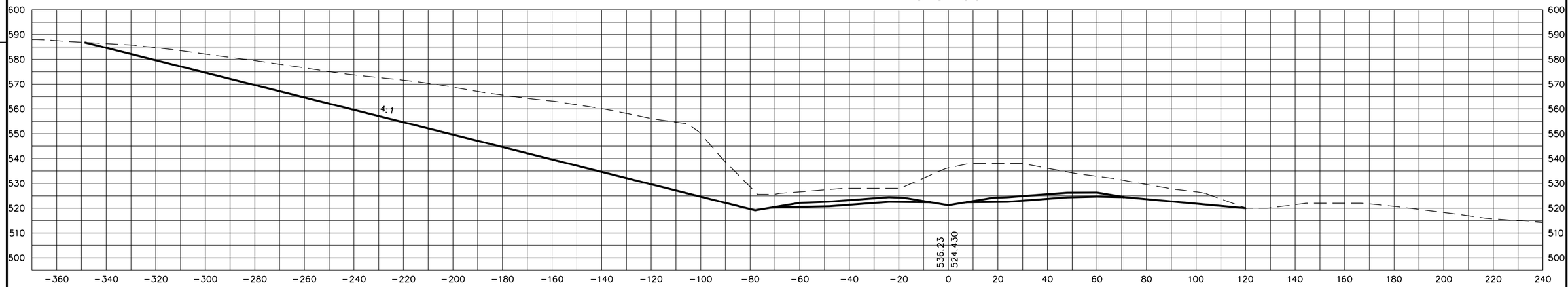
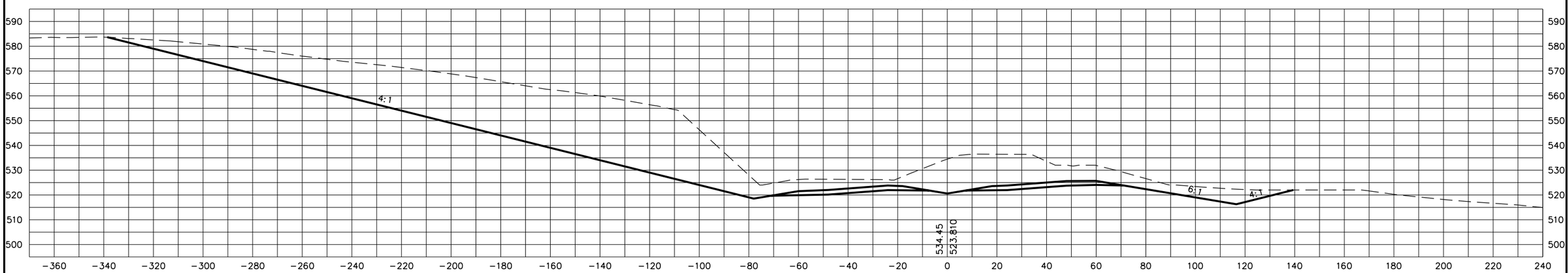
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	314
CONST	2014	36001-3290-14	

515+50



515+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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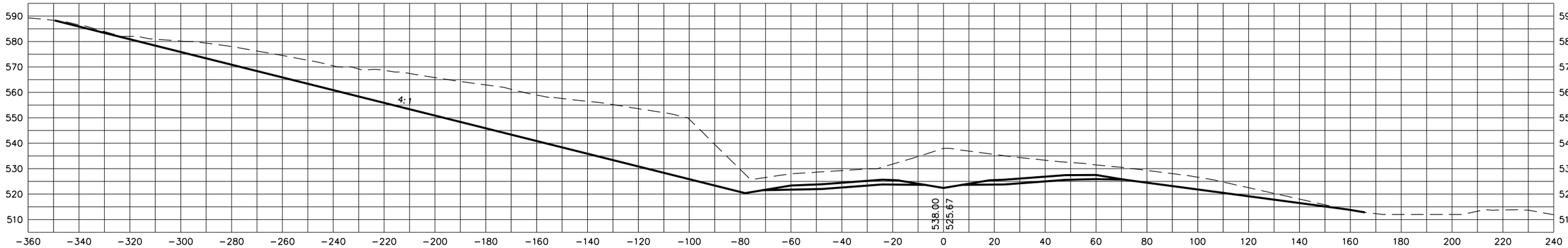
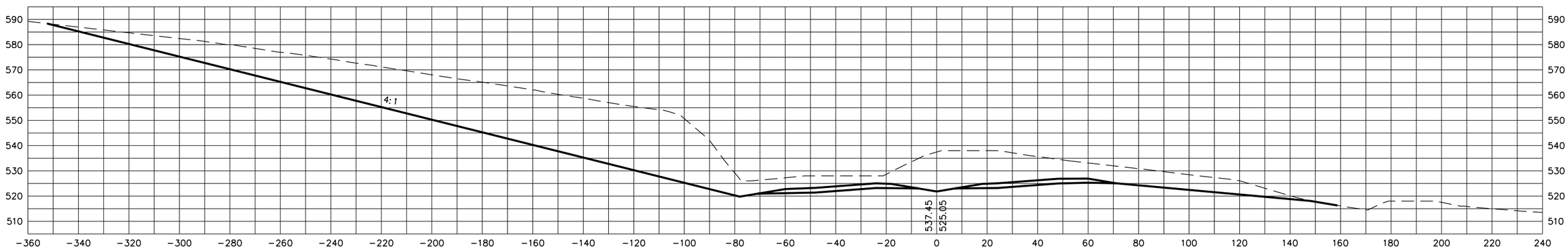
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	315
CONST	2014	36001-3290-14	

516+50



516+00



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

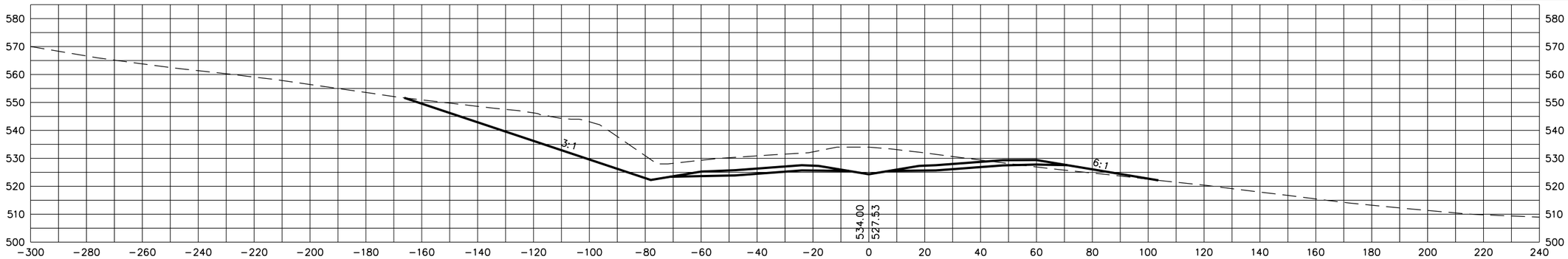
S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

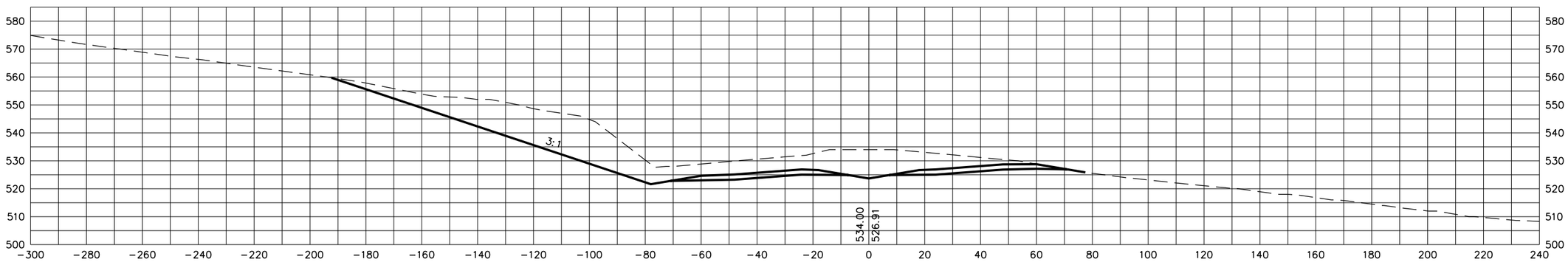
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	316
CONST	2014	36001-3290-14	

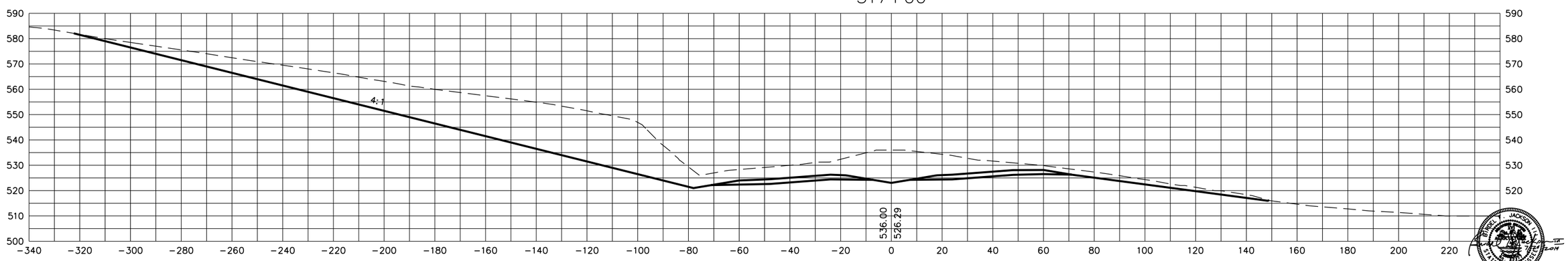
518+00



517+50



517+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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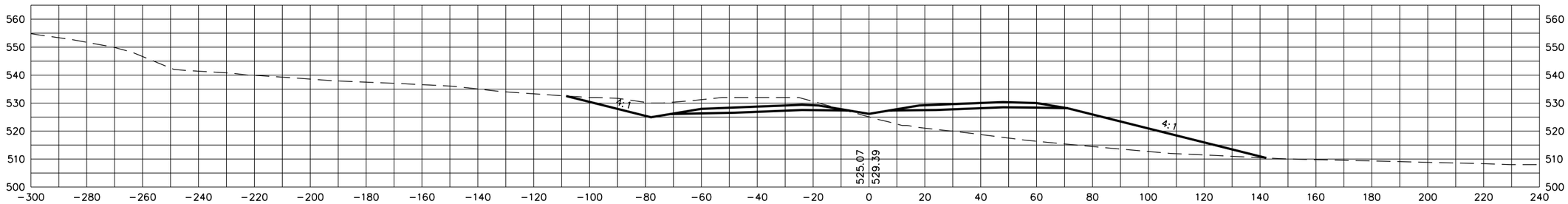
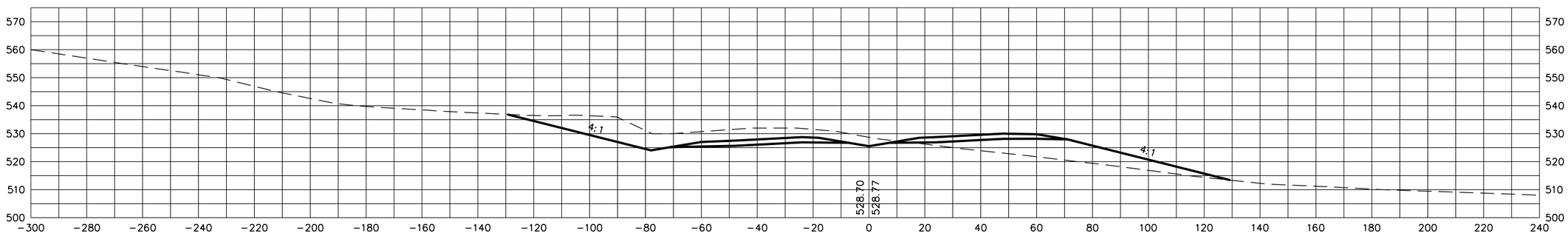
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	317
CONST	2014	36001-3290-14	

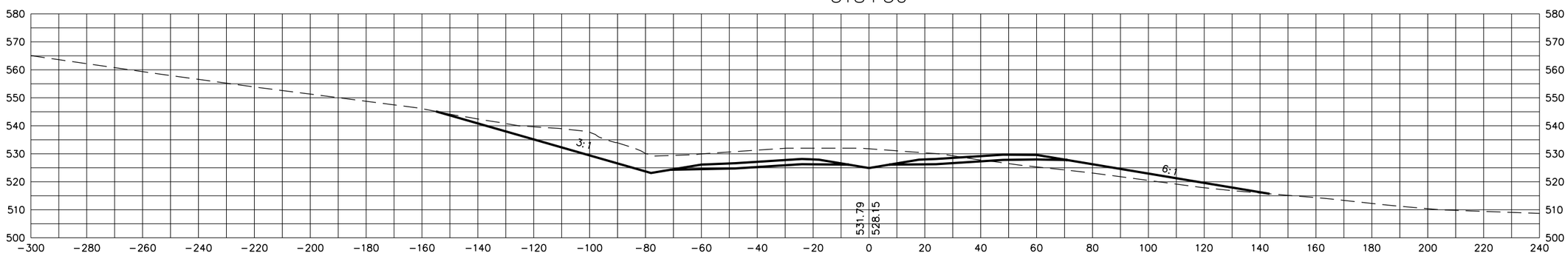
519+50



519+00



518+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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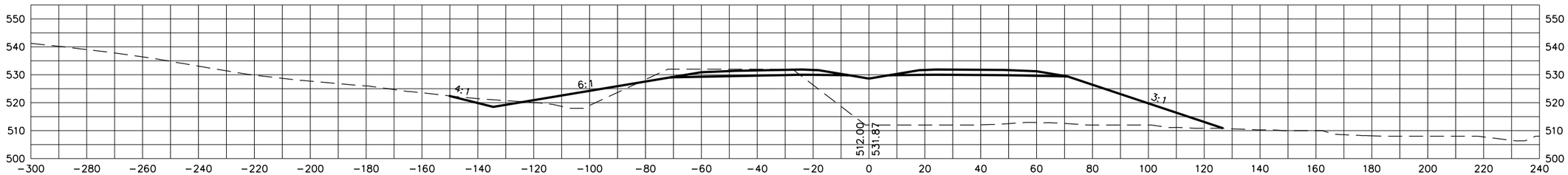
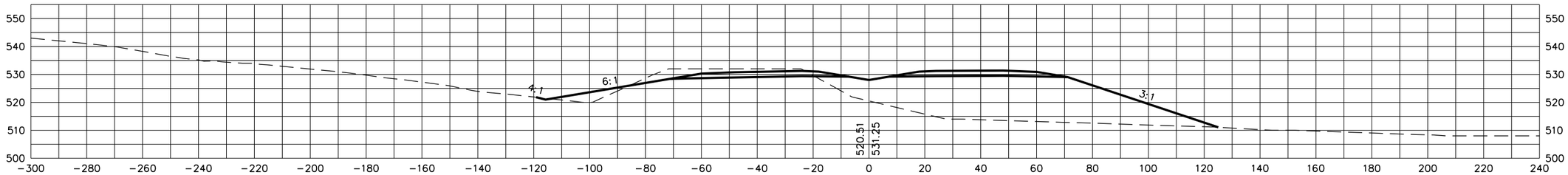
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	318
CONST	2014	36001-3290-14	

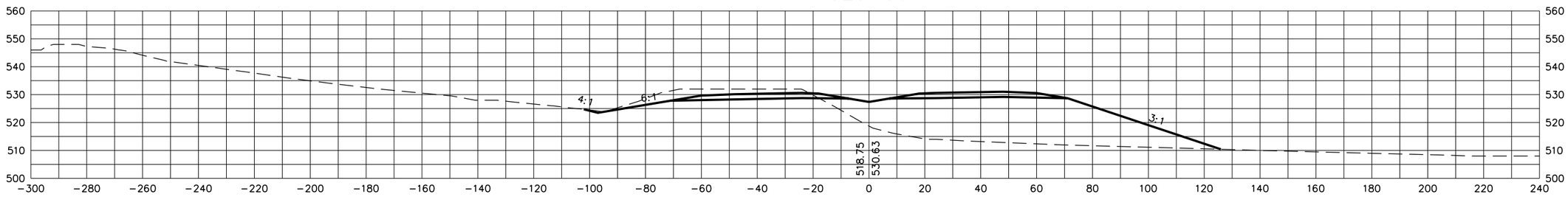
521+50



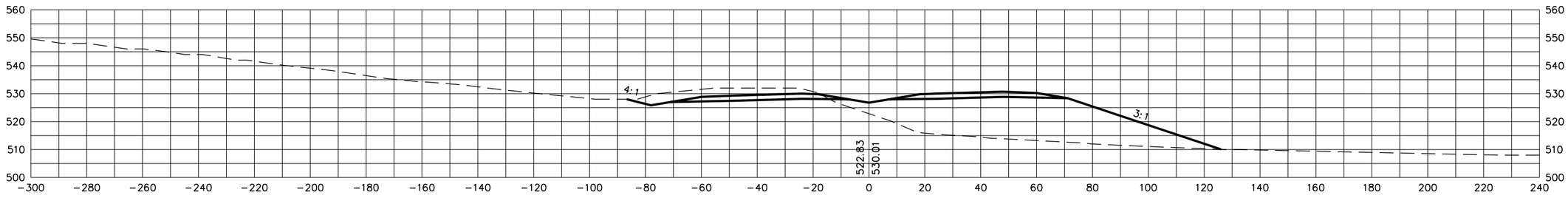
521+00



520+50



520+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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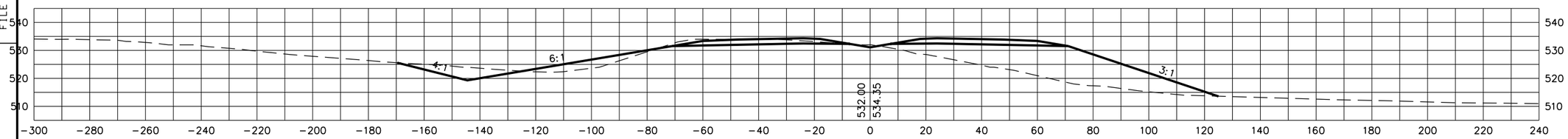
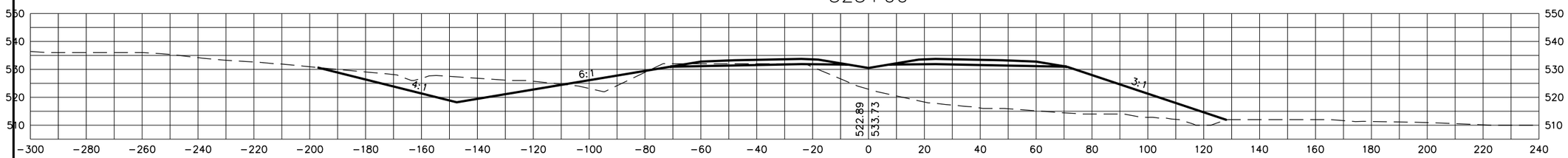
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	319
CONST	2014	36001-3290-14	

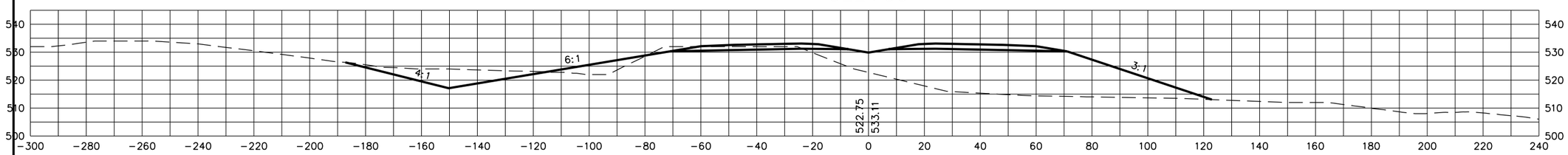
523+50



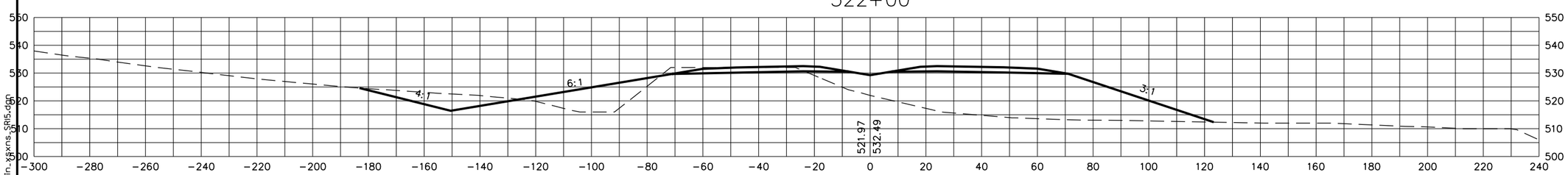
523+00



522+50



522+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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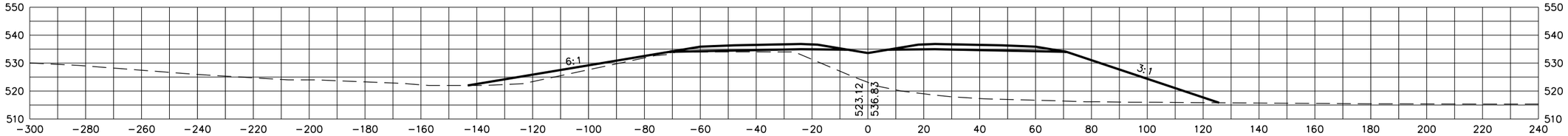
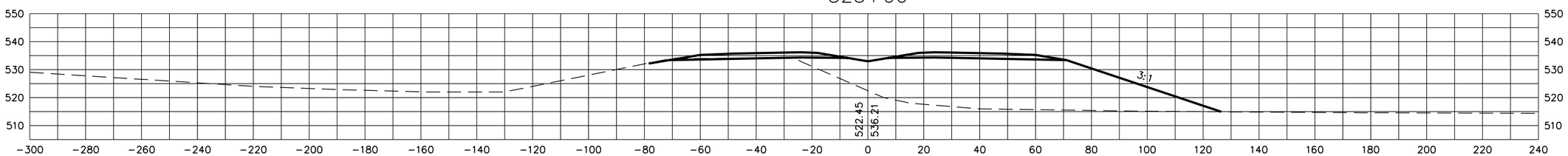
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	320
CONST	2014	36001-3290-14	

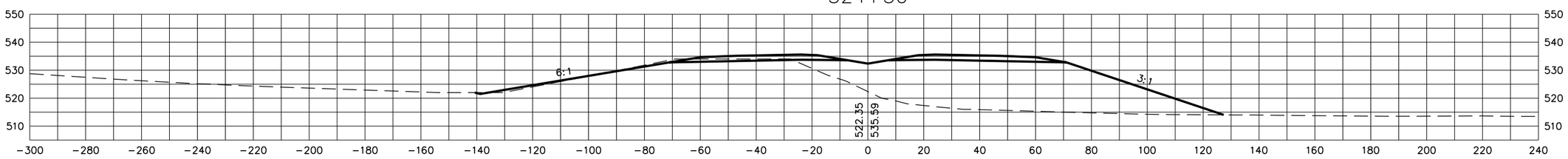
525+50



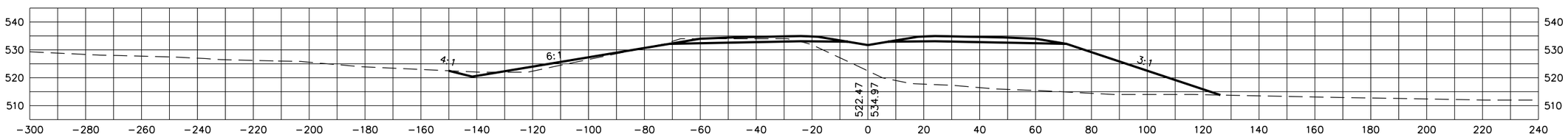
525+00



524+50



524+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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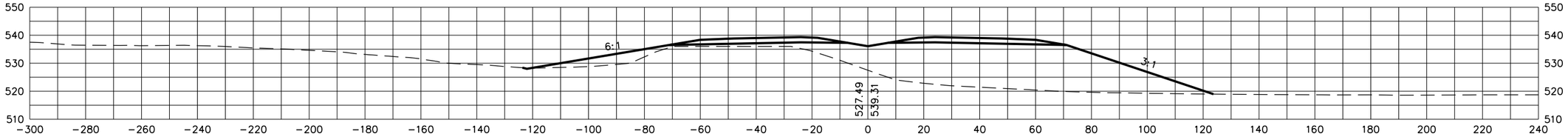
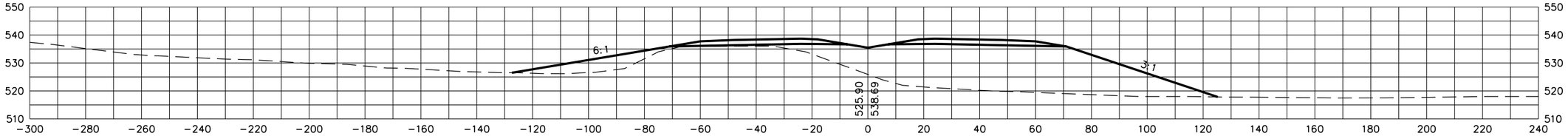
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	321
CONST	2014	36001-3290-14	

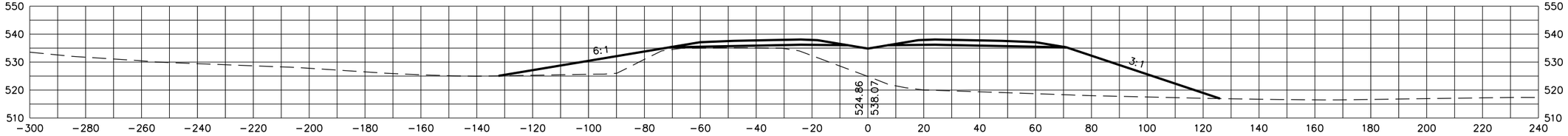
527+50



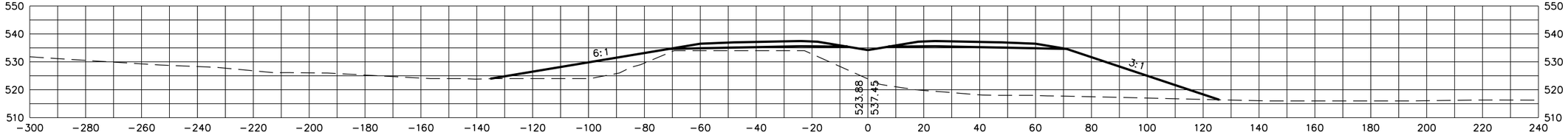
527+00



526+50



526+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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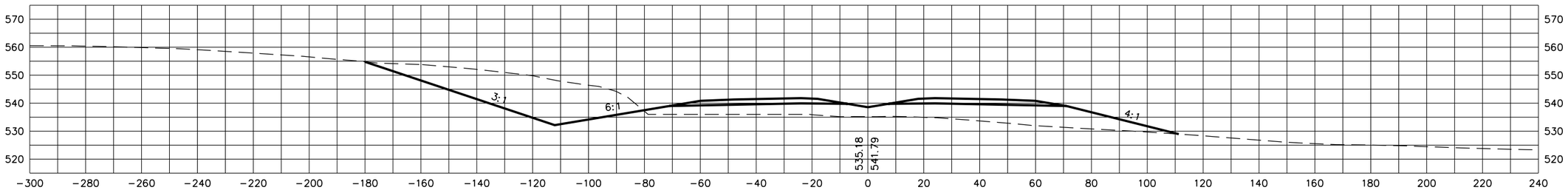
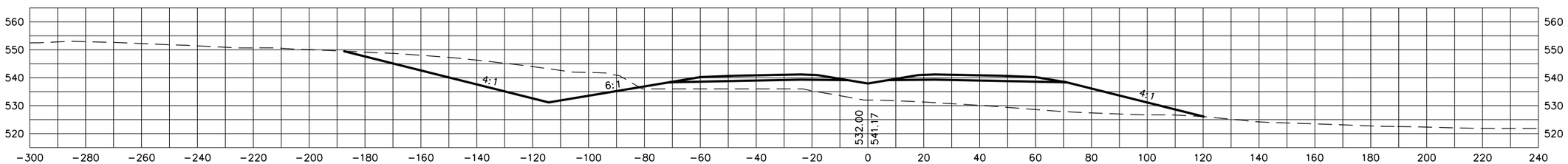
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	322
CONST	2014	36001-3290-14	

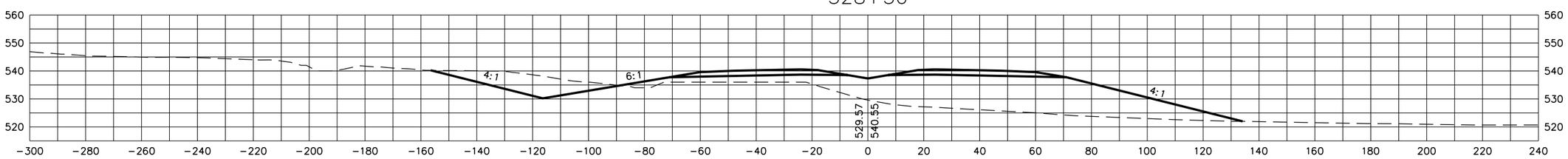
529+50



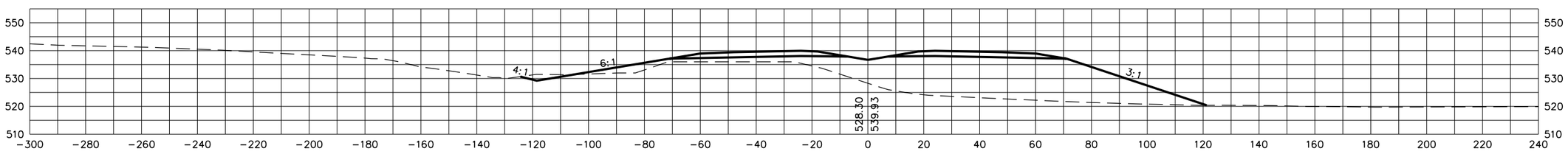
529+00



528+50



528+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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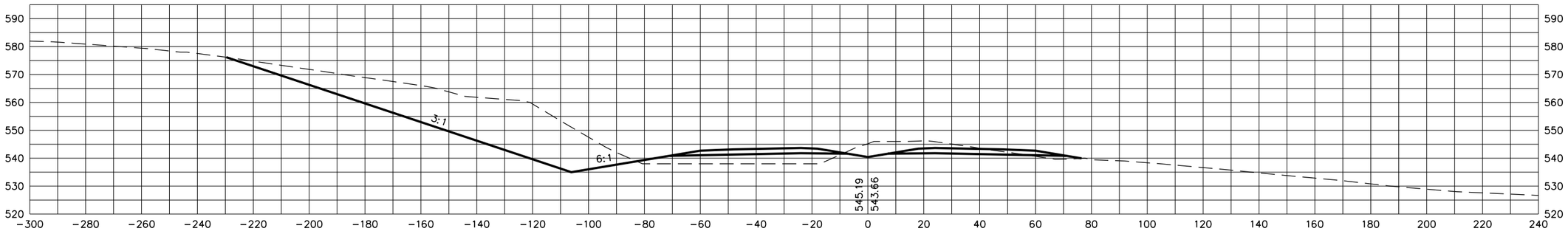
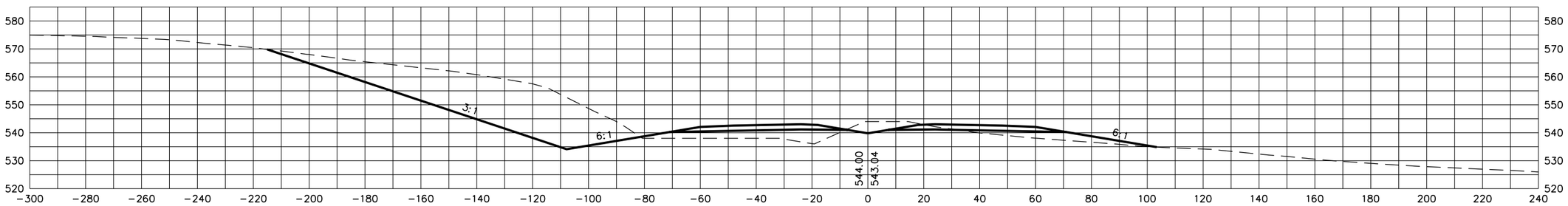
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	323
CONST	2014	36001-3290-14	

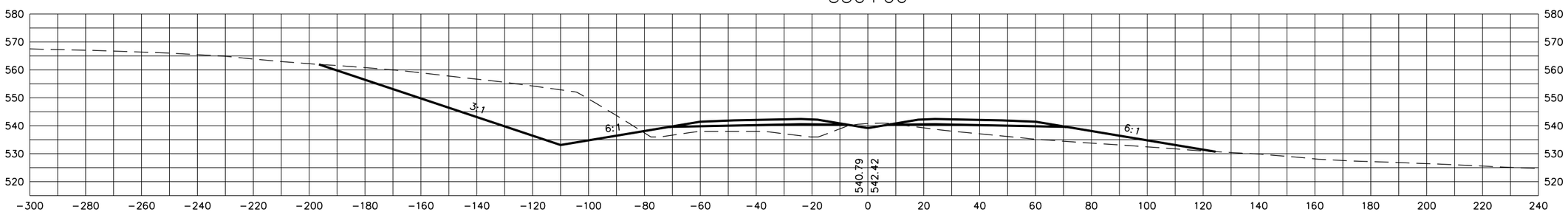
531+00



530+50



530+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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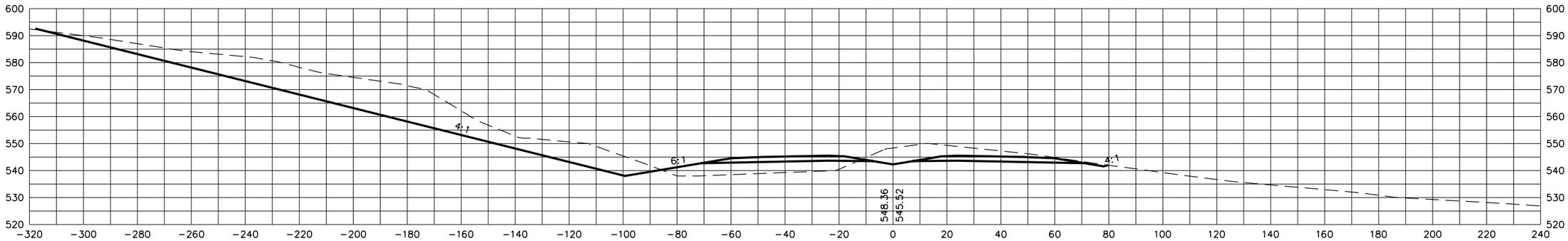
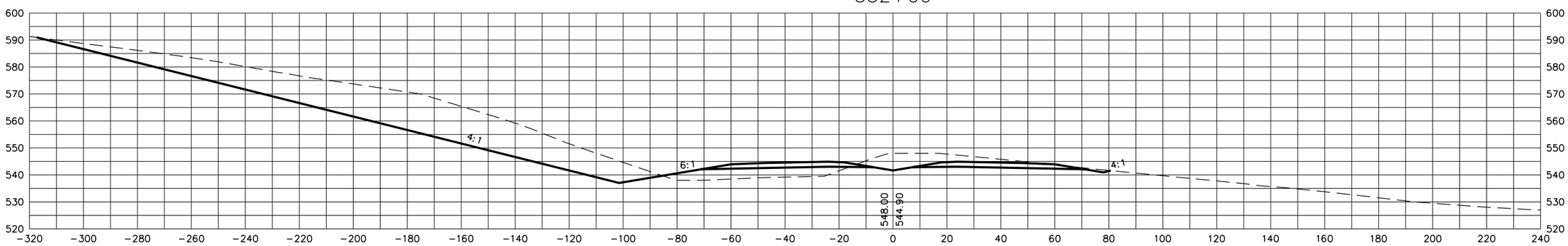
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	324
CONST	2014	36001-3290-14	

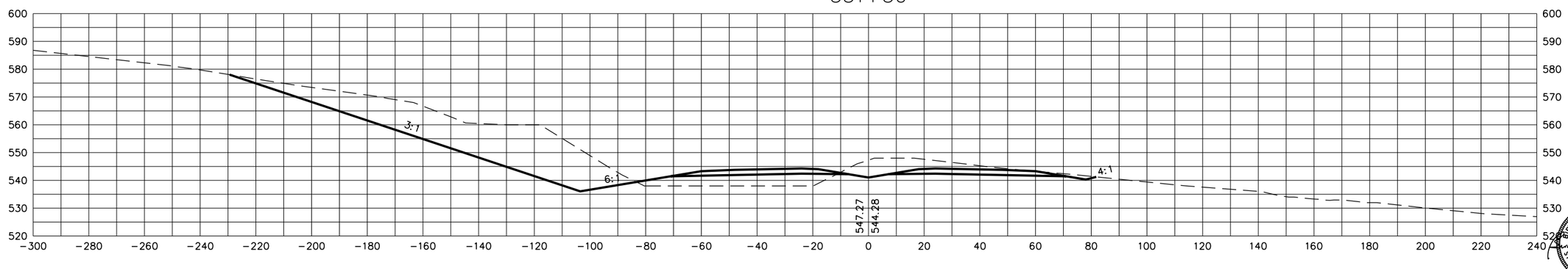
532+50



532+00



531+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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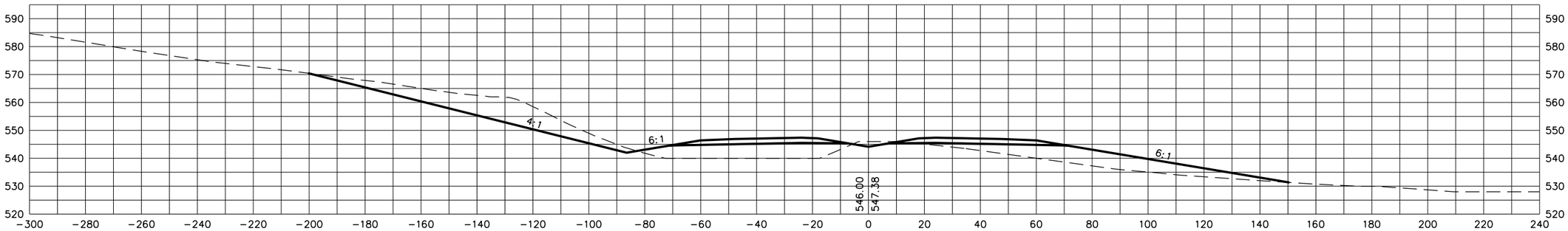
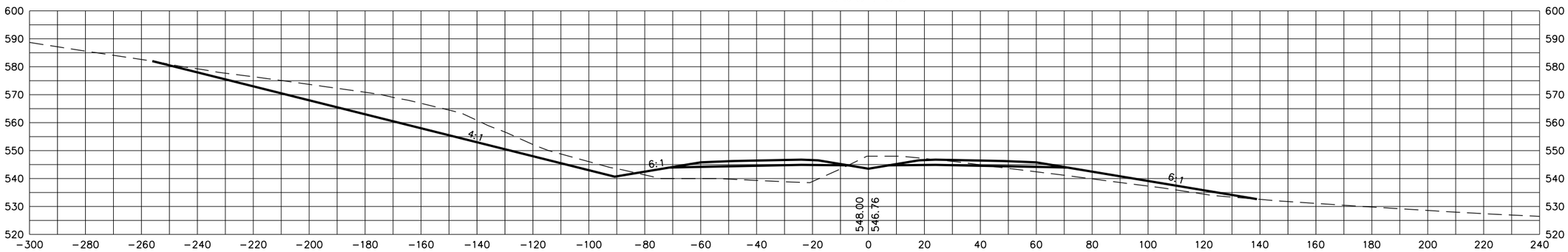
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	325
CONST	2014	36001-3290-14	

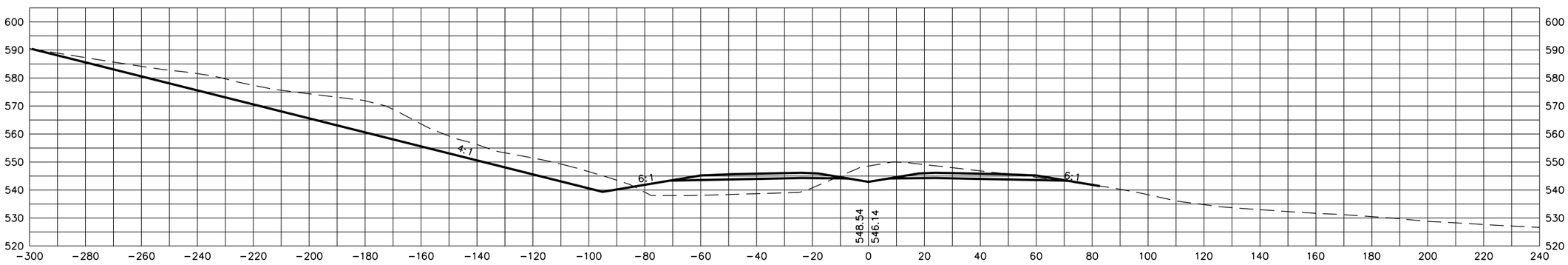
534+00



533+50



533+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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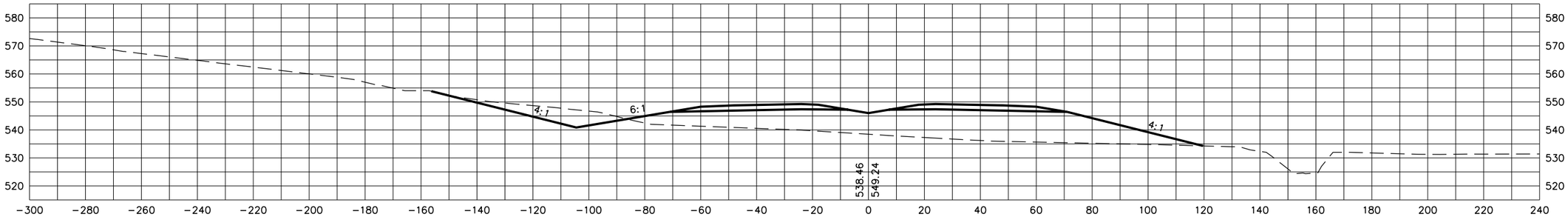
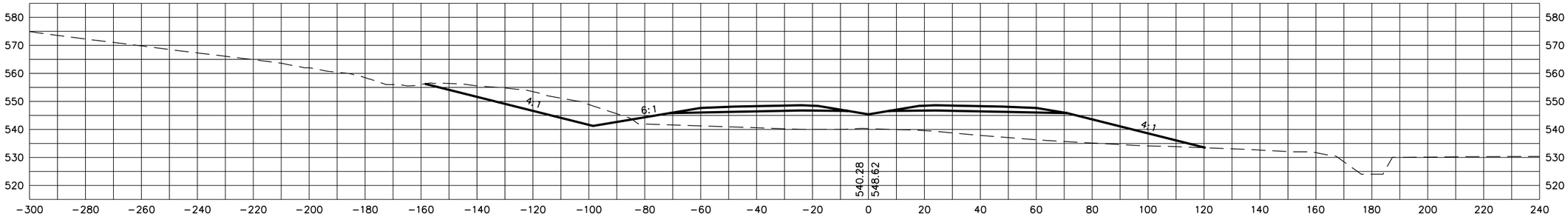
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	326
CONST	2014	36001-3290-14	

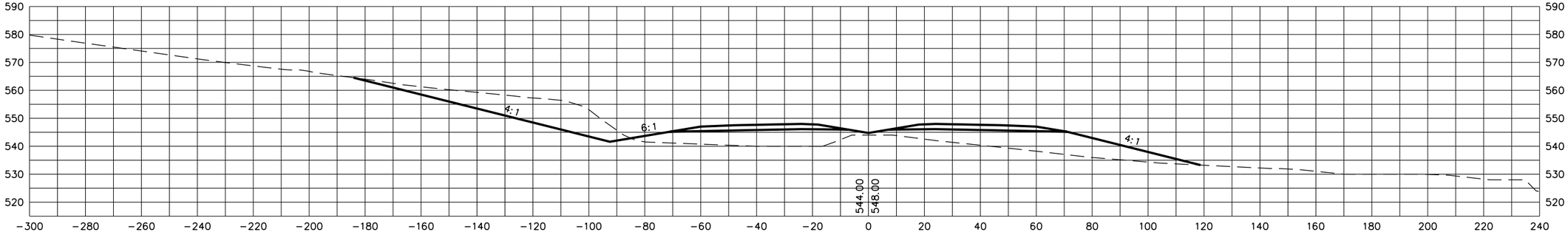
535+50



535+00



534+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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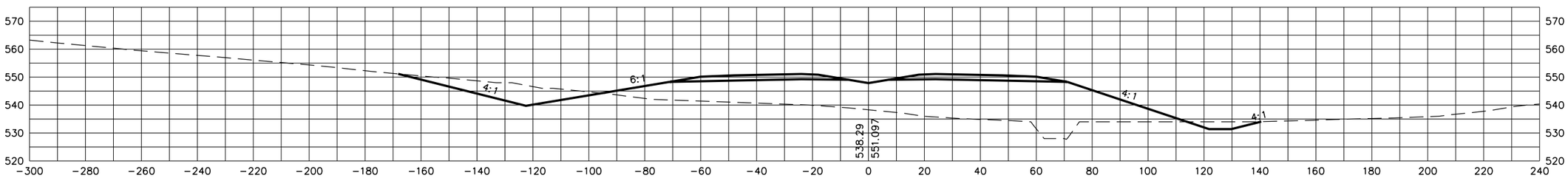
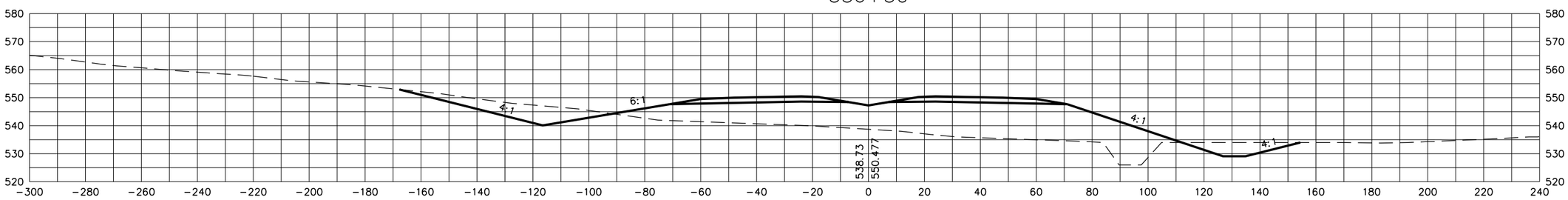
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	327
CONST	2014	36001-3290-14	

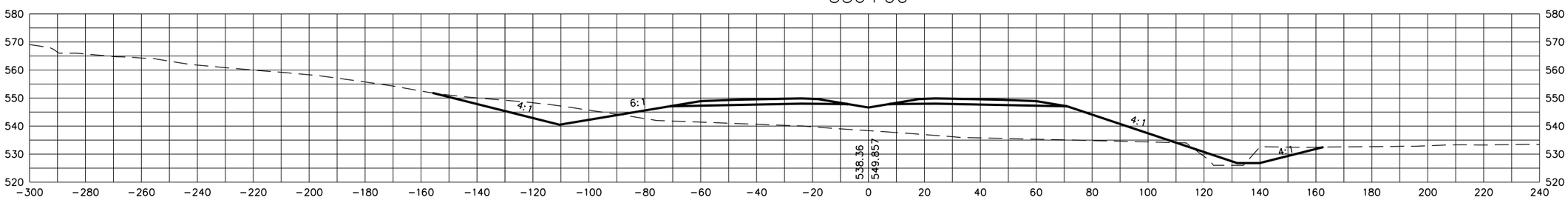
537+00

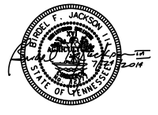


536+50



536+00





STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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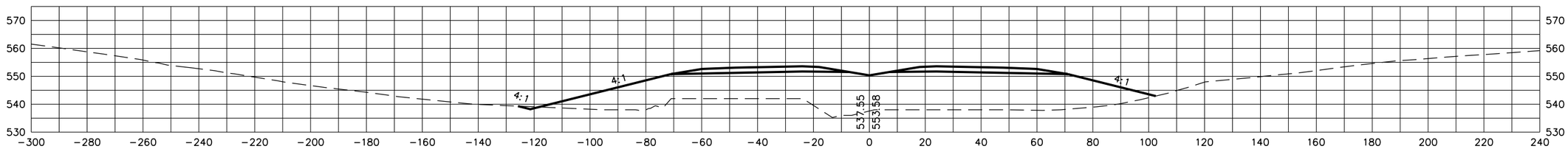
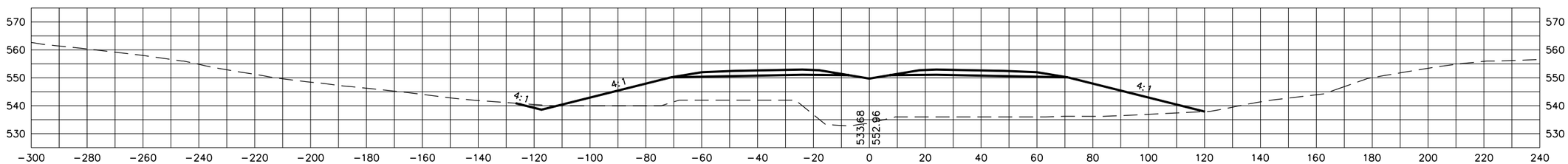
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	328
CONST	2014	36001-3290-14	

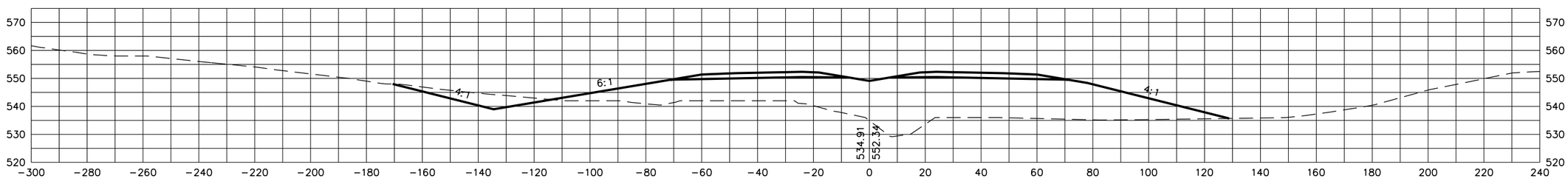
539+00



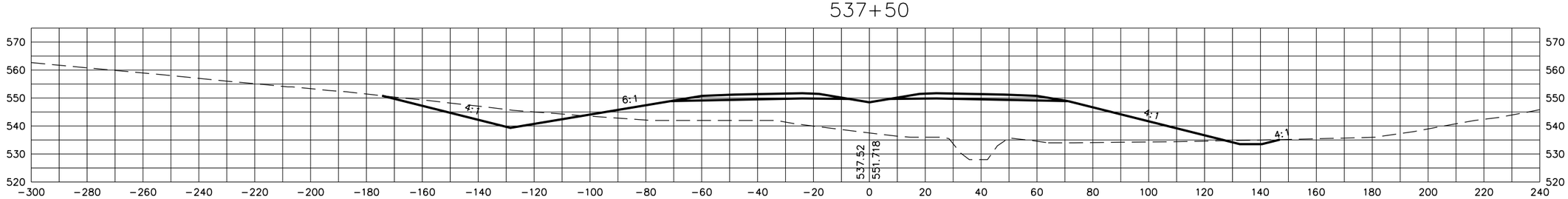
538+50



538+00



537+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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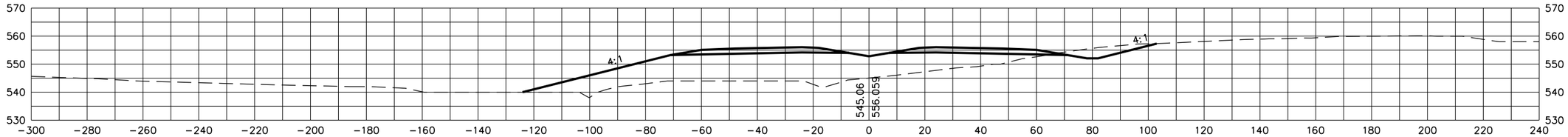
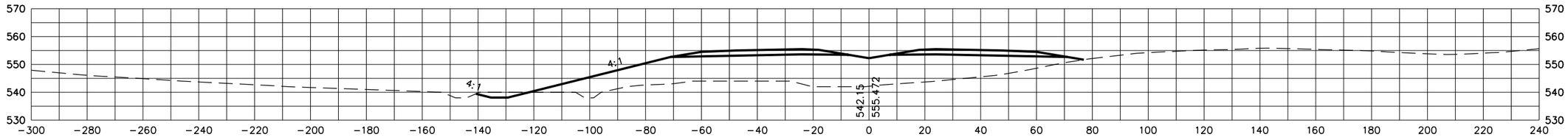
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	329
CONST	2014	36001-3290-14	

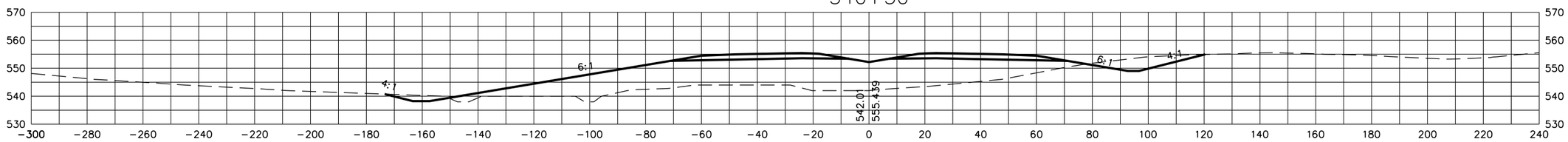
541+00



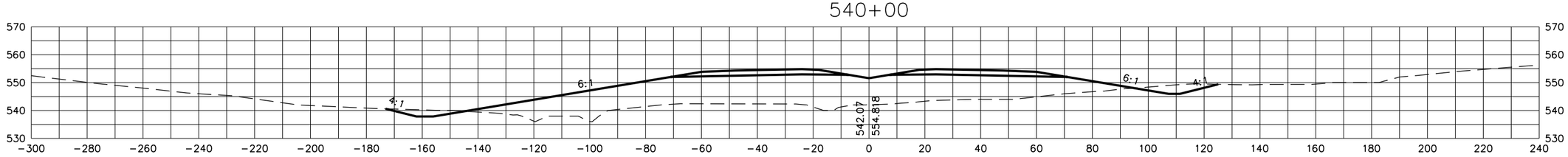
540+52.72



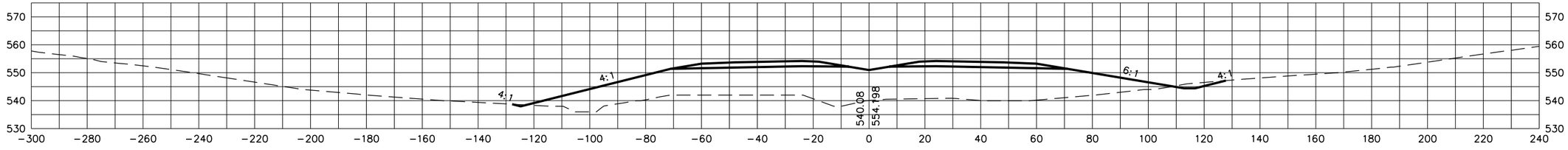
540+50

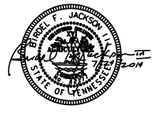


540+00



539+50





STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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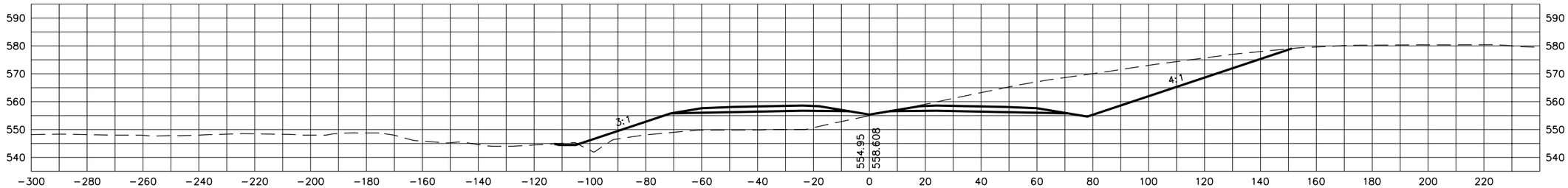
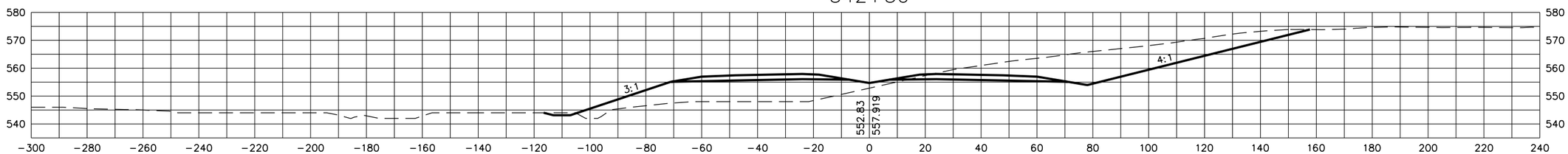
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	330
CONST	2014	36001-3290-14	

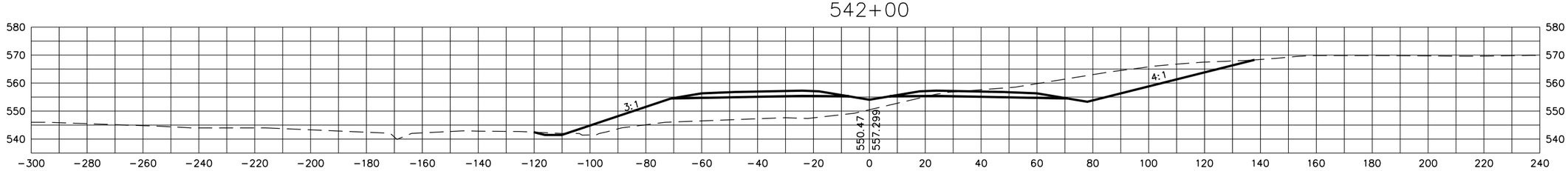
543+00



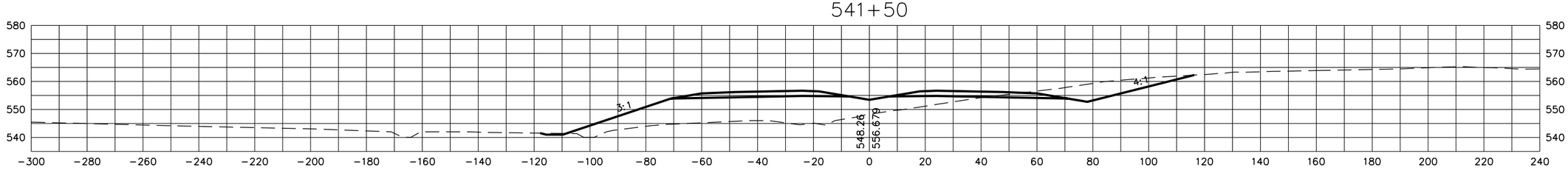
542+50



542+00



541+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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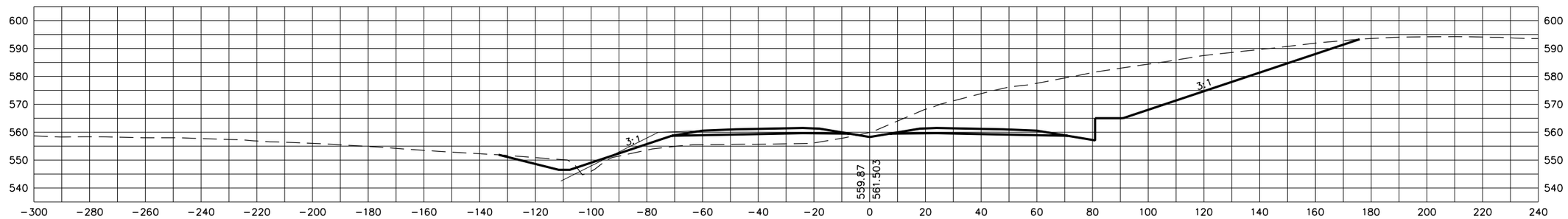
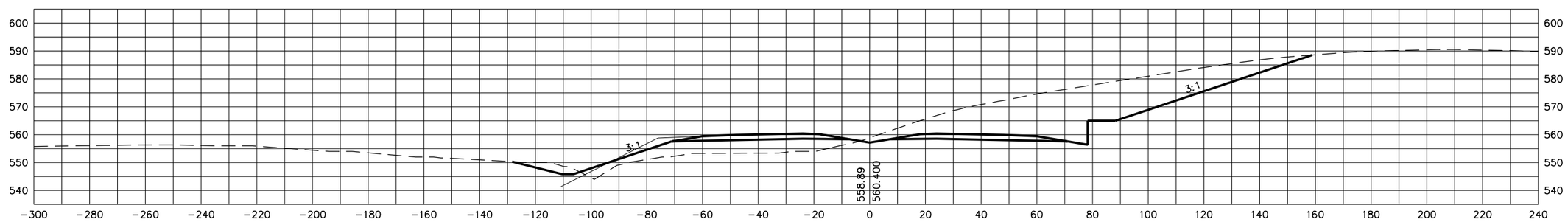
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	331
CONST	2014	36001-3290-14	

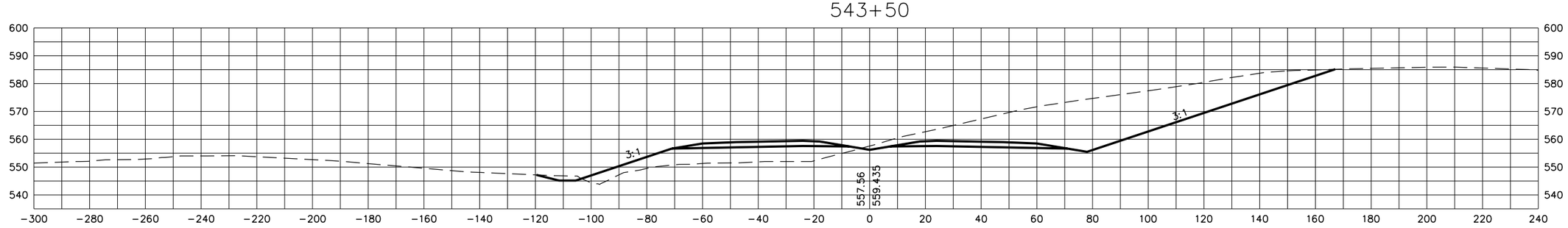
544+50



544+00



543+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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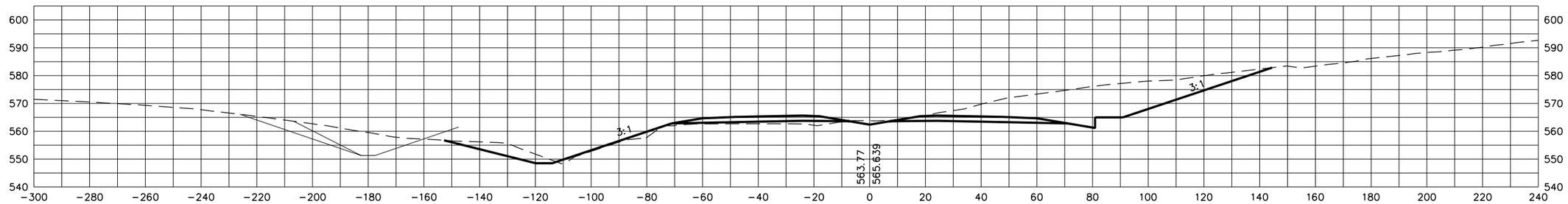
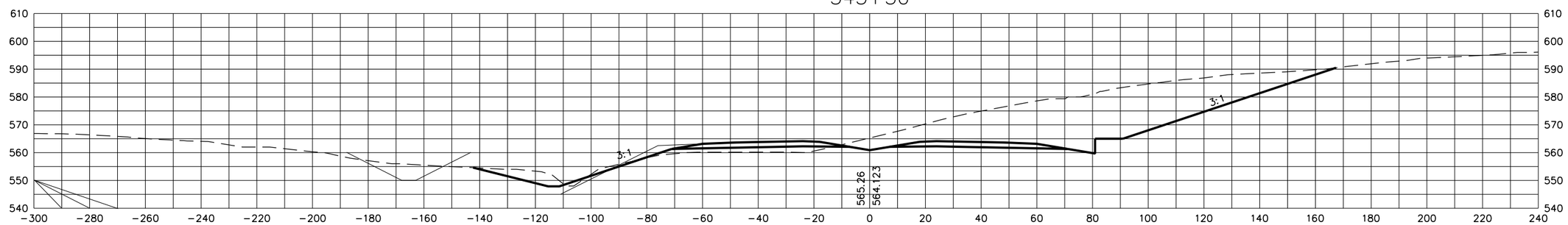
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	332
CONST	2014	36001-3290-14	

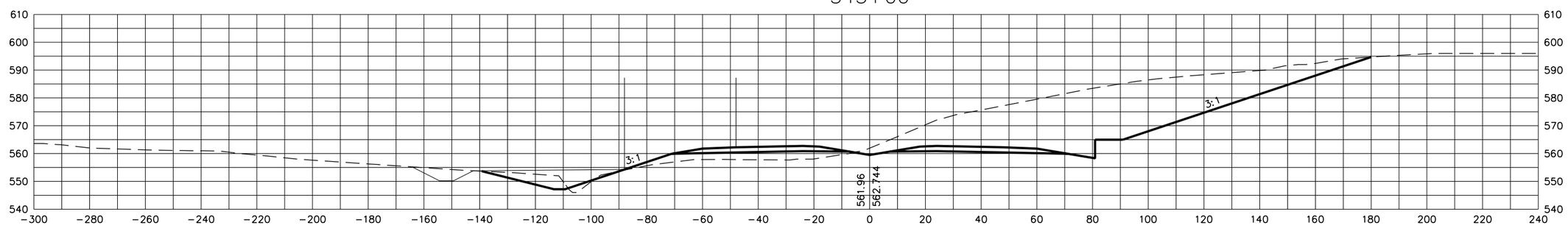
546+00



545+50



545+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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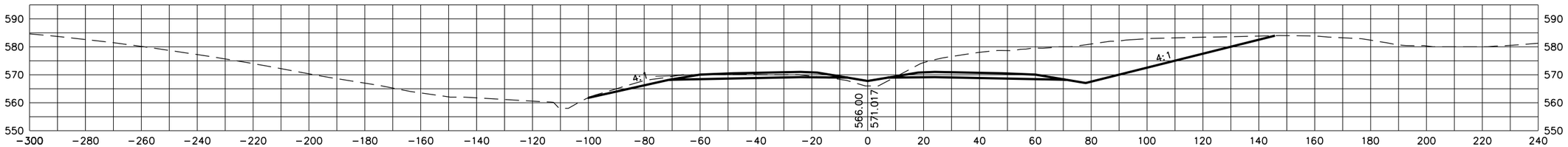
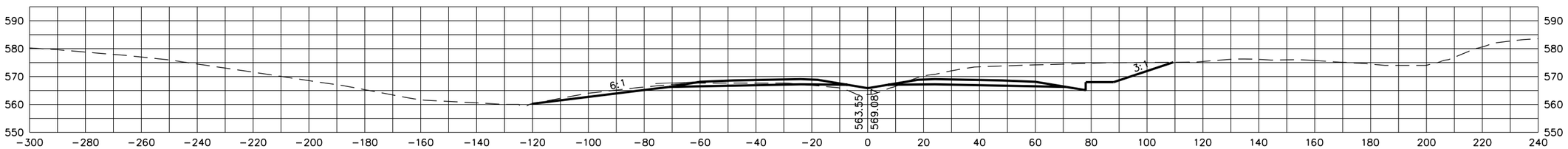
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	333
CONST	2014	36001-3290-14	

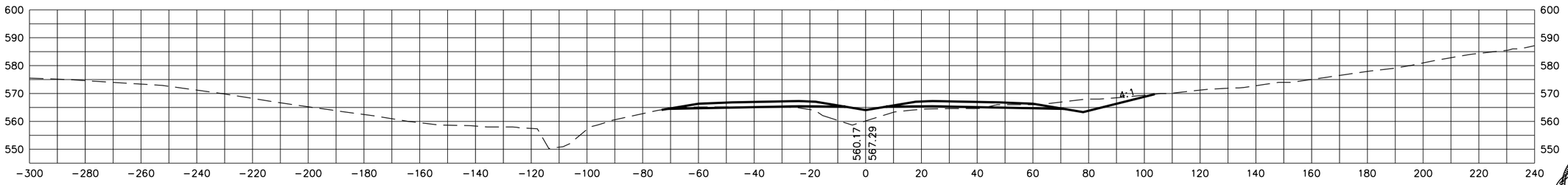
547+50



547+00



546+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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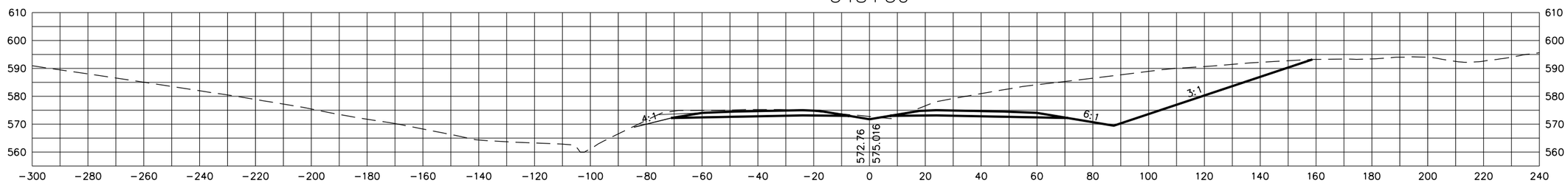
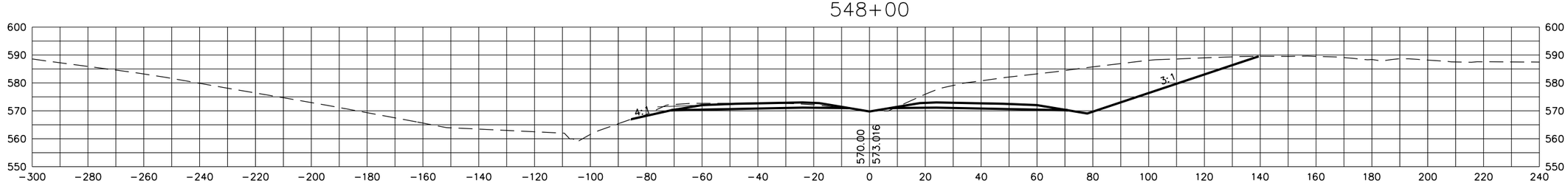
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	334
CONST	2014	36001-3290-14	

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

548+50



548+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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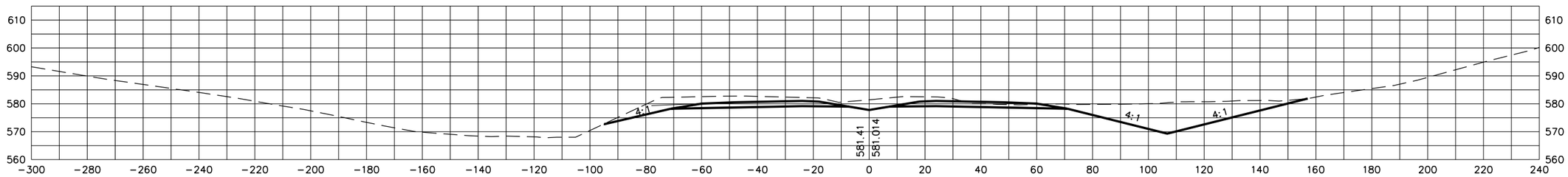
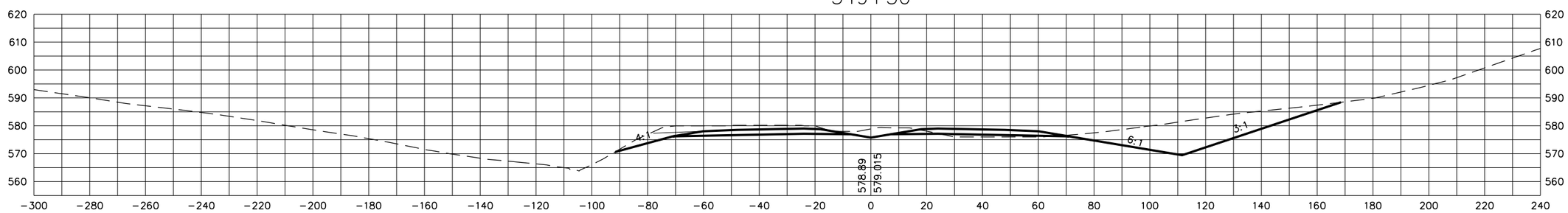
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	335
CONST	2014	36001-3290-14	

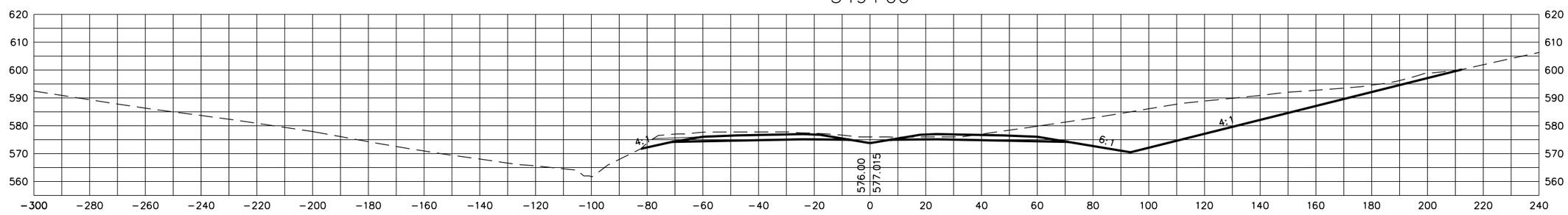
550+00



549+50



549+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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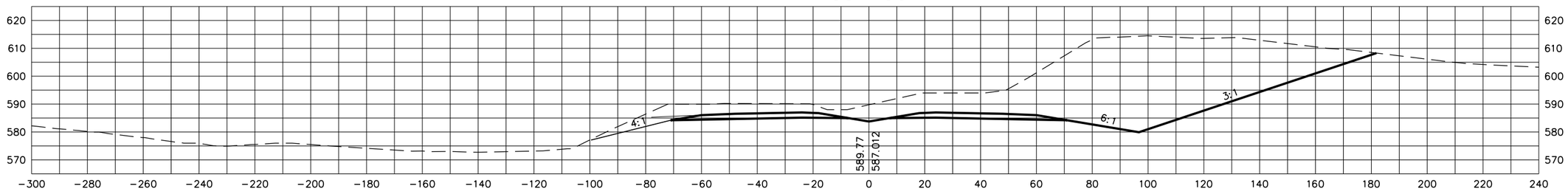
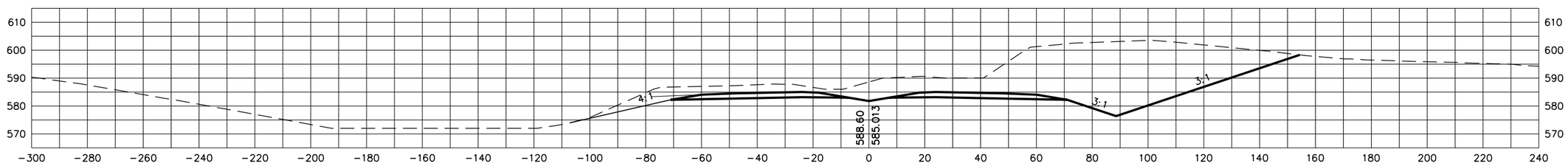
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	336
CONST	2014	36001-3290-14	

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

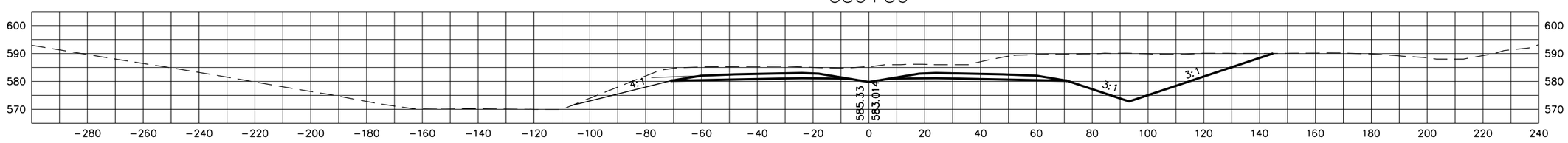
551+50



551+00



550+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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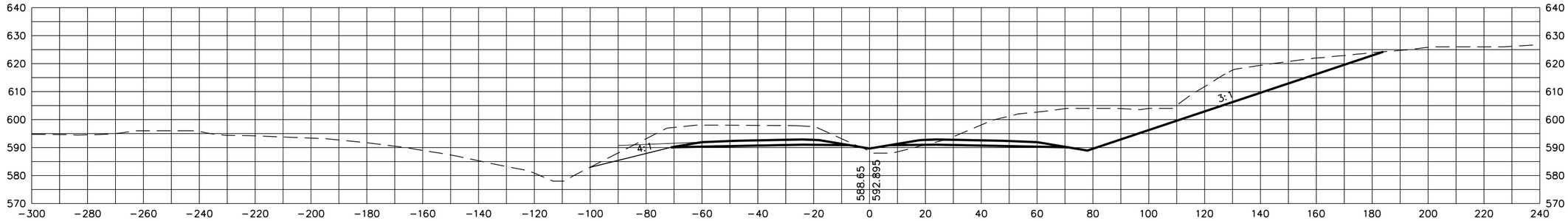
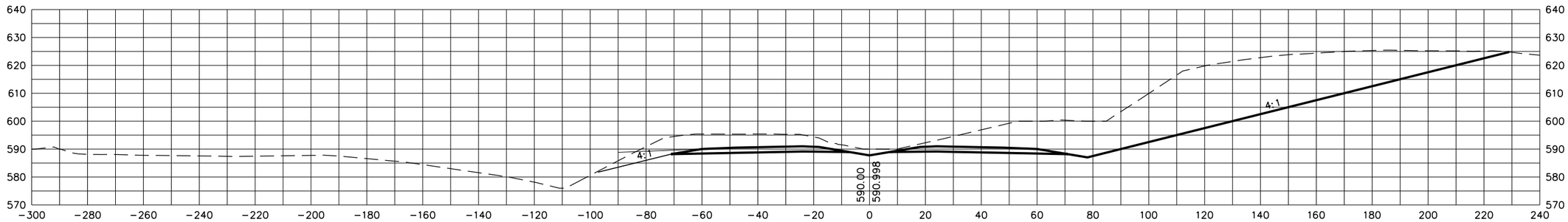
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	337
CONST	2014	36001-3290-14	

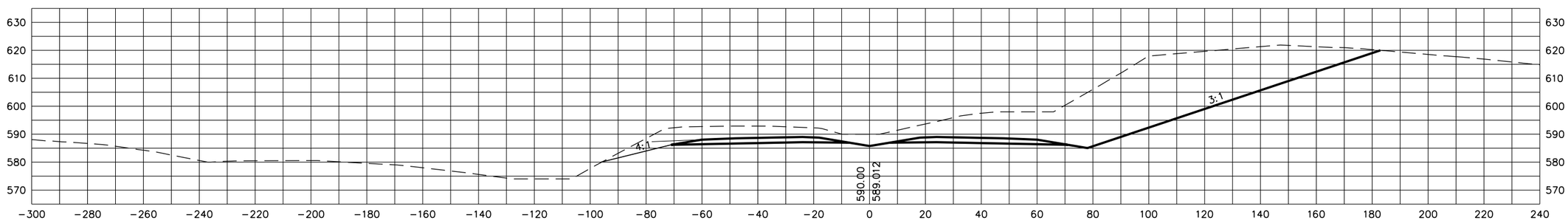
553+00



552+50



552+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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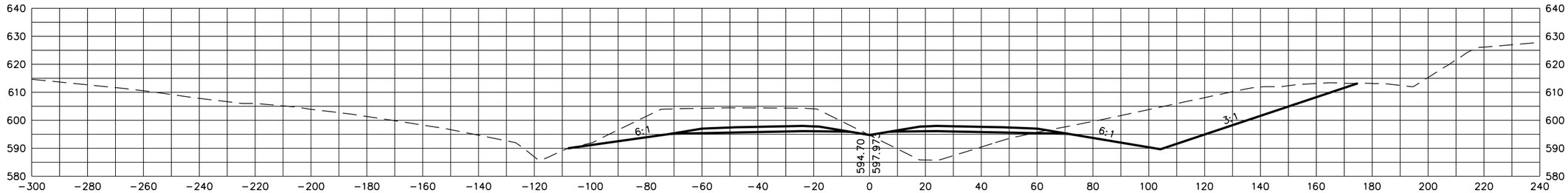
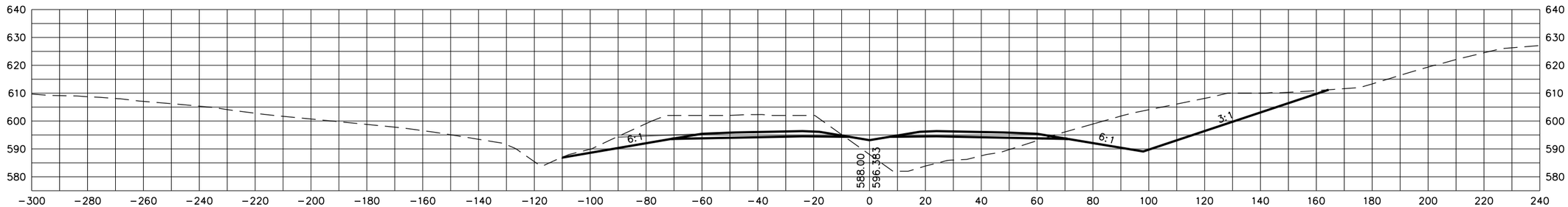
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	338
CONST	2014	36001-3290-14	

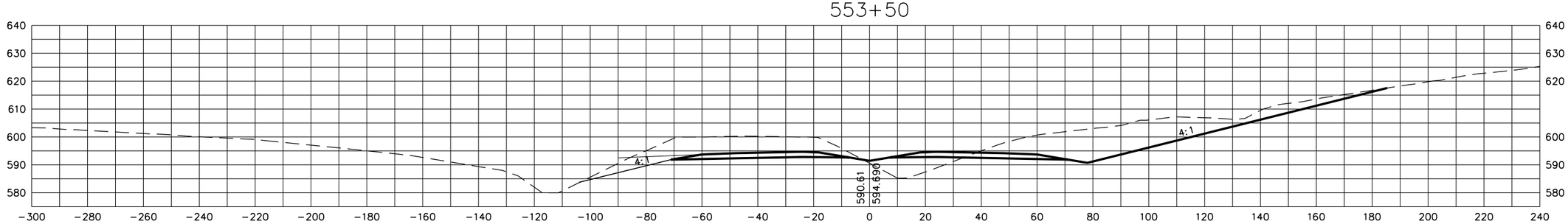
554+50



554+00



553+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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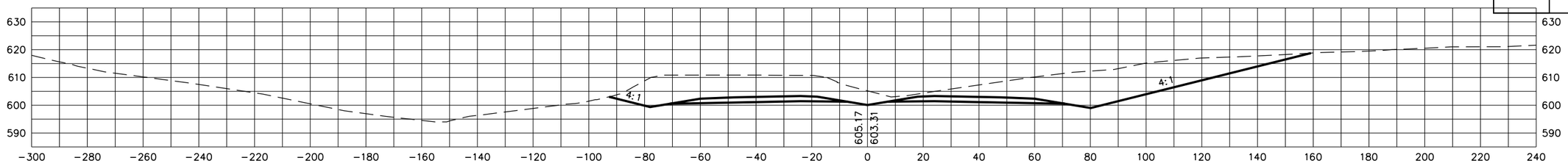
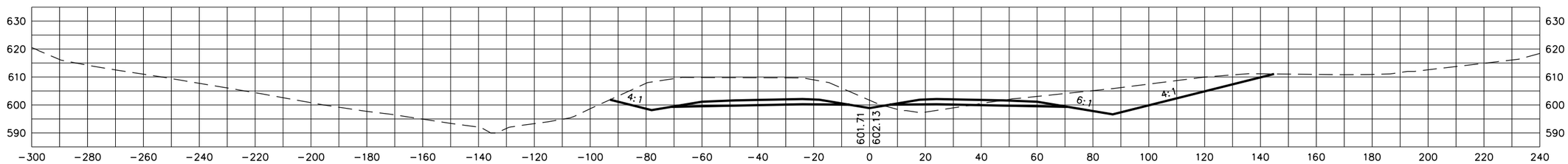
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	339
CONST	2014	36001-3290-14	

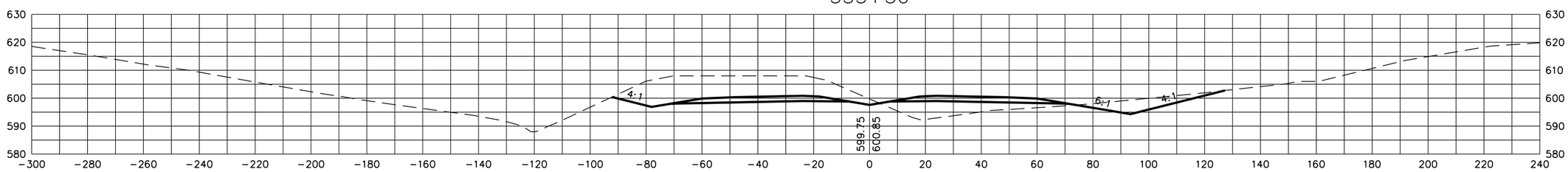
556+50



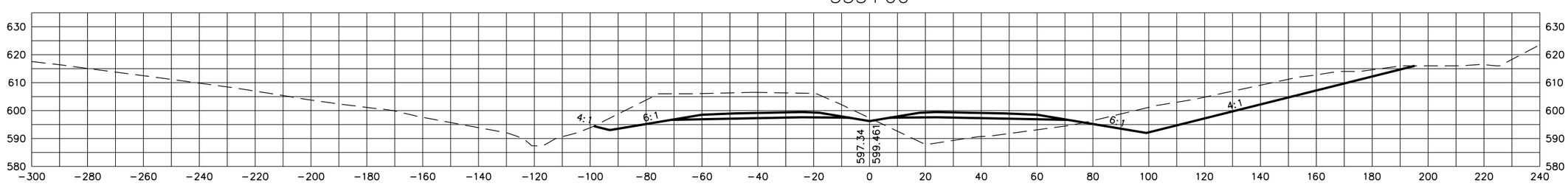
556+00



555+50



555+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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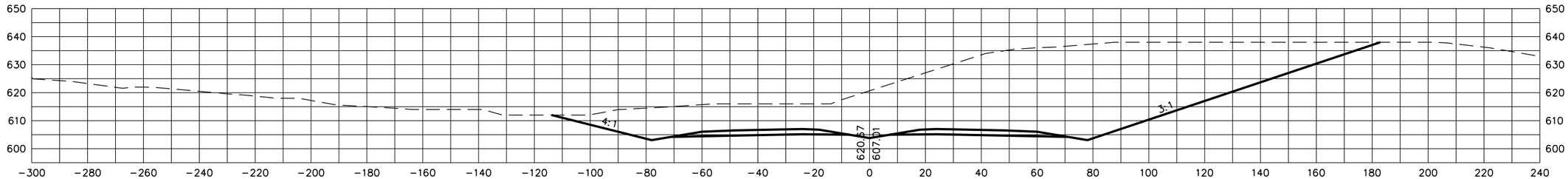
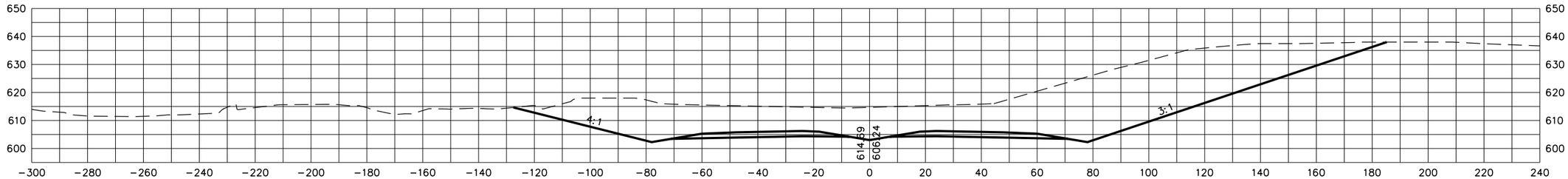
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	340
CONST	2014	36001-3290-14	

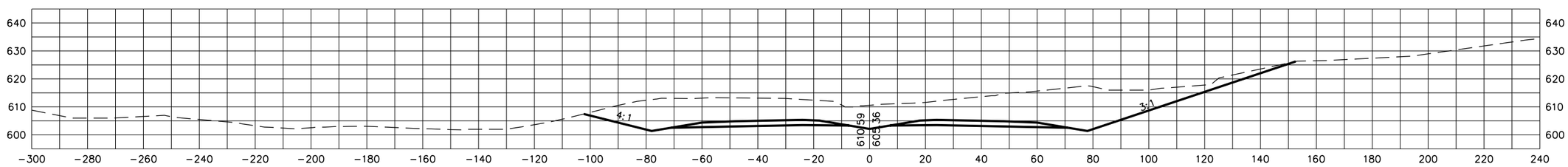
558+50



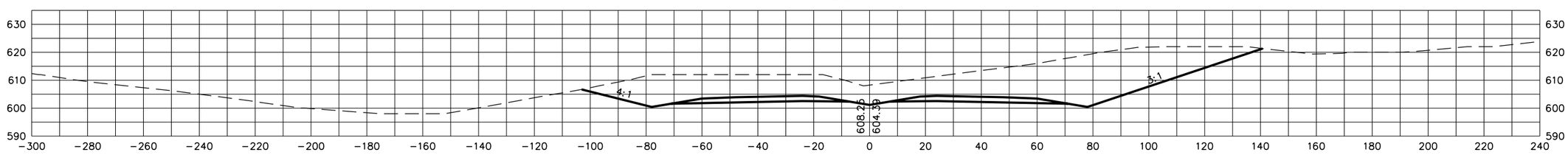
558+00



557+50



557+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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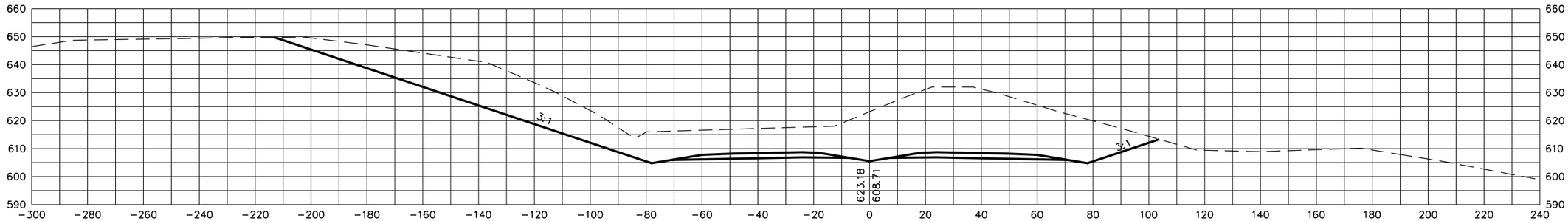
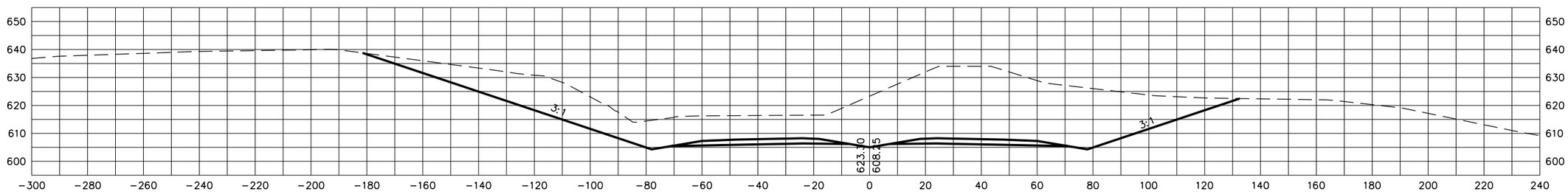
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	341
CONST	2014	36001-3290-14	

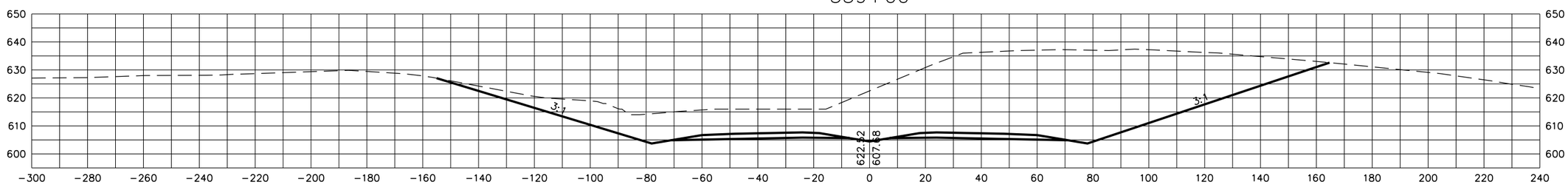
560+00



559+50



559+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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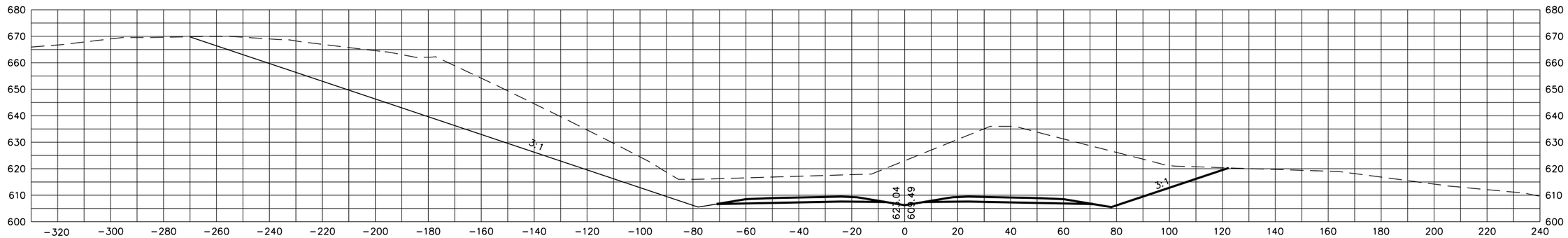
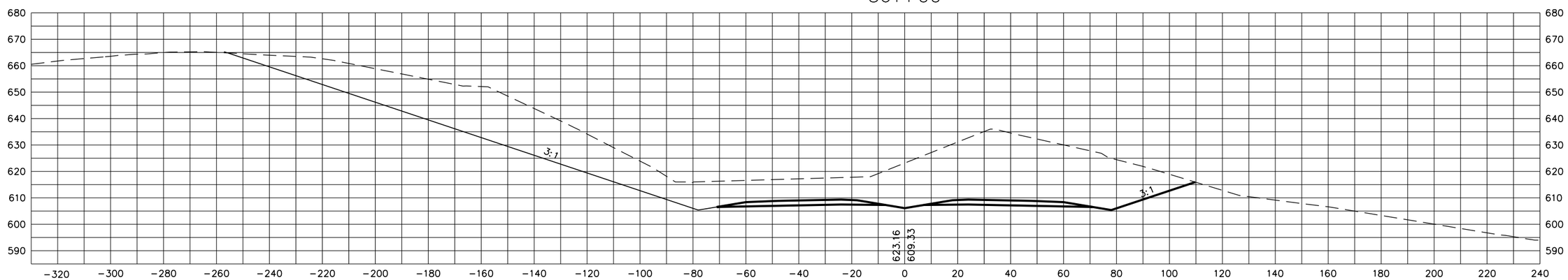
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	342
CONST	2014	36001-3290-14	

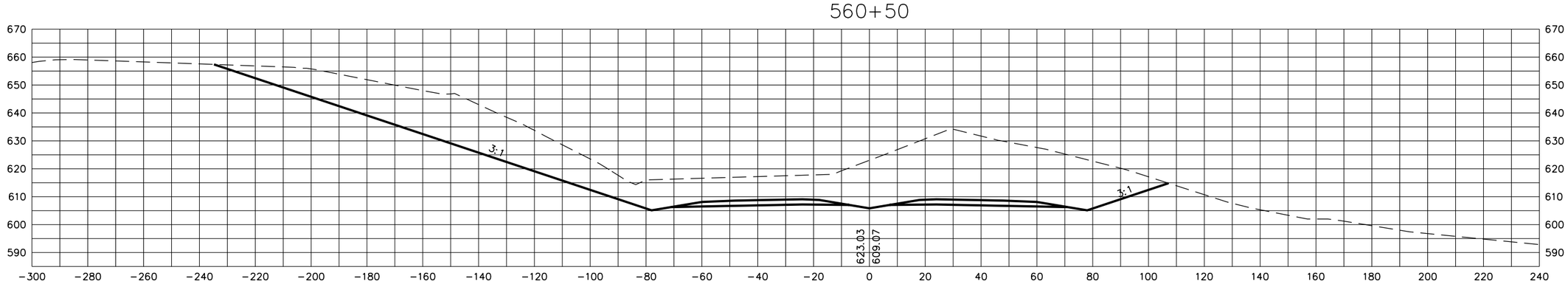
561+50



561+00



560+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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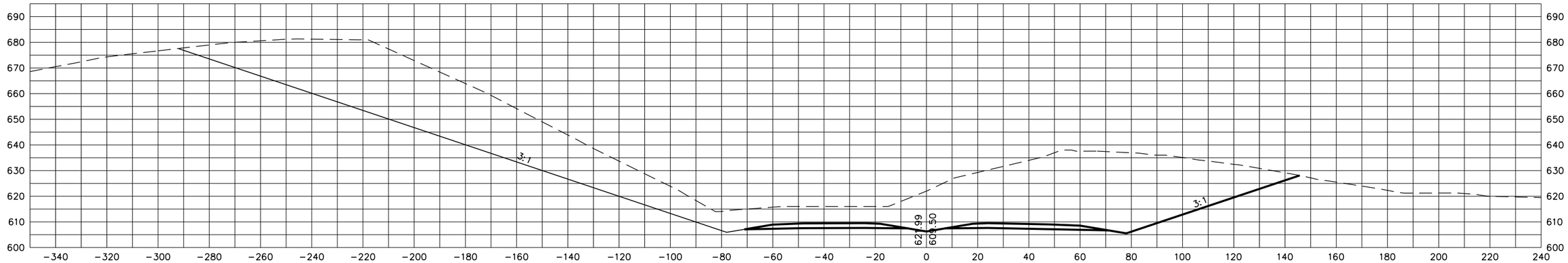
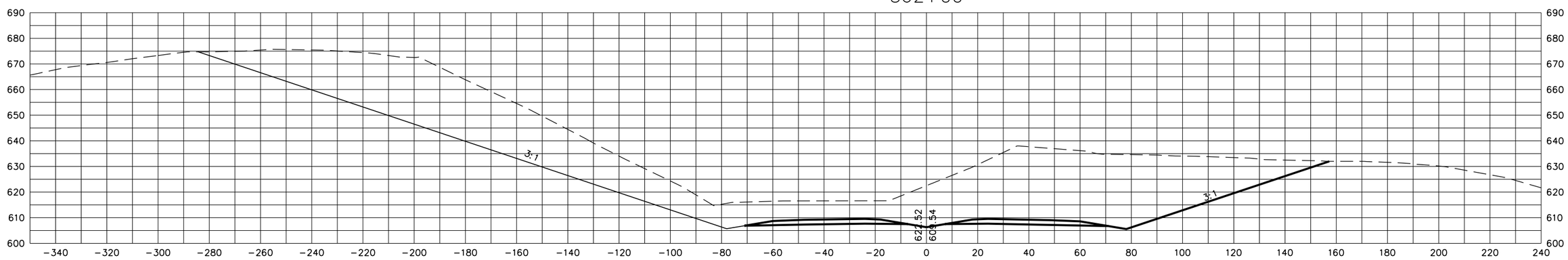
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	343
CONST	2014	36001-3290-14	

562+50



562+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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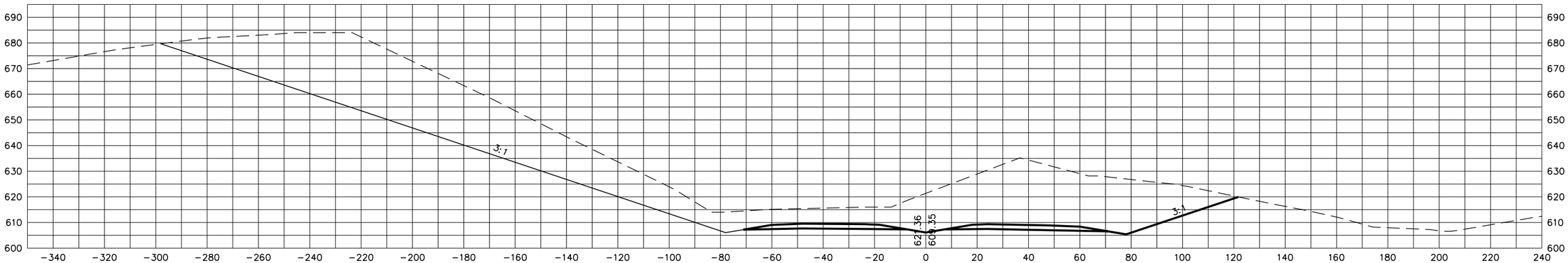
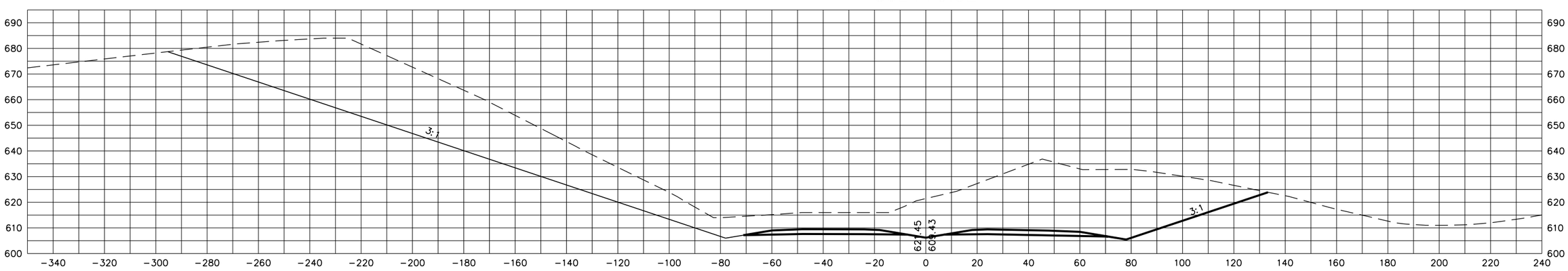
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	344
CONST	2014	36001-3290-14	

563+00



562+75.52



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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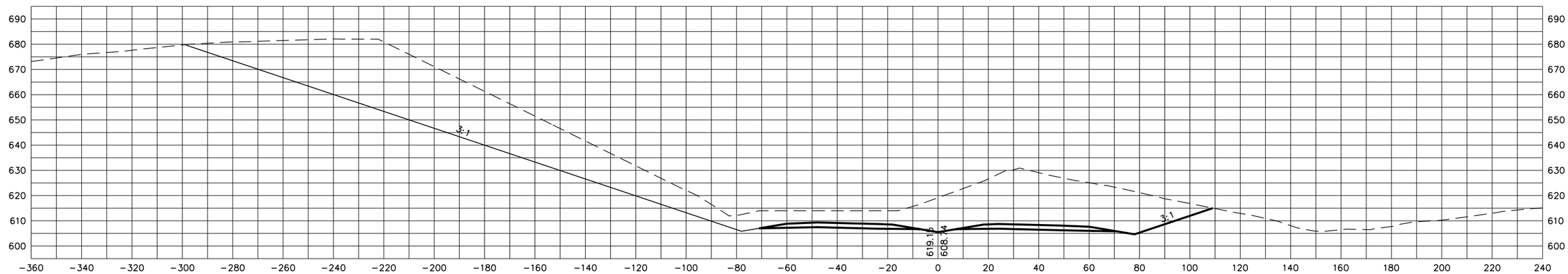
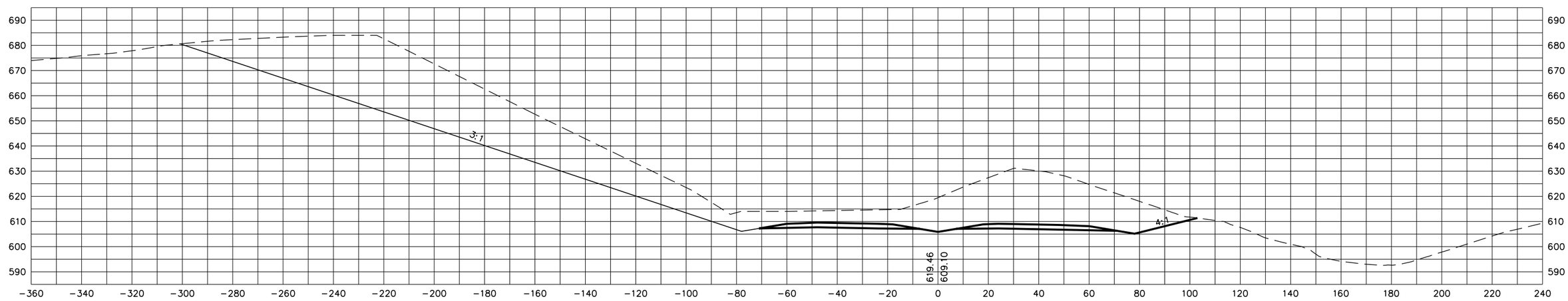
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	345
CONST	2014	36001-3290-14	

564+00



563+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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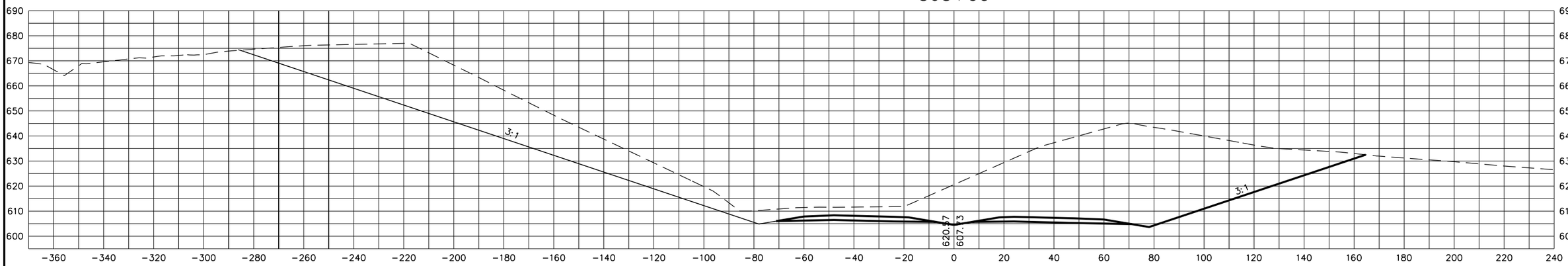
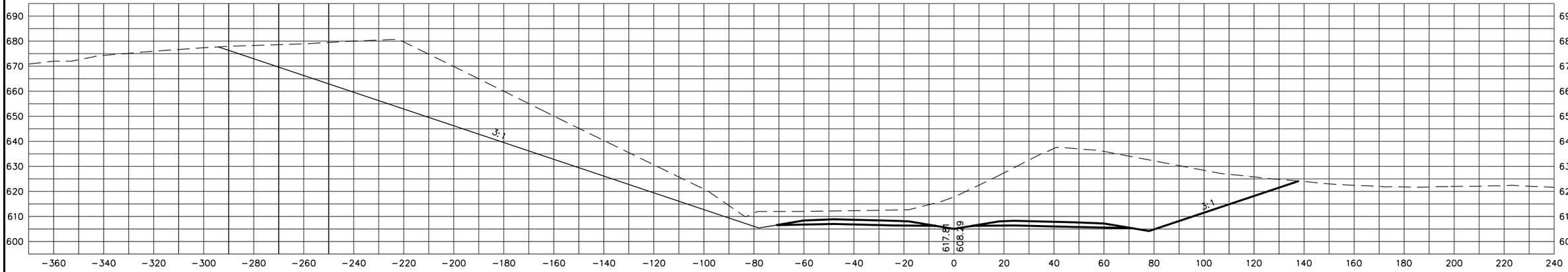
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	346
CONST	2014	36001-3290-14	

565+00



564+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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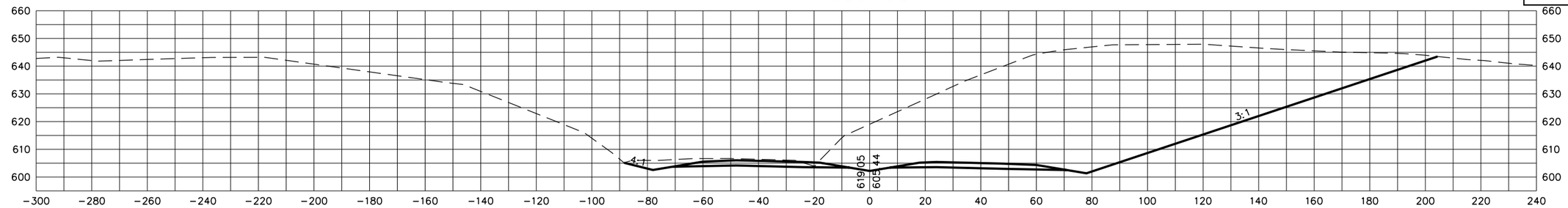
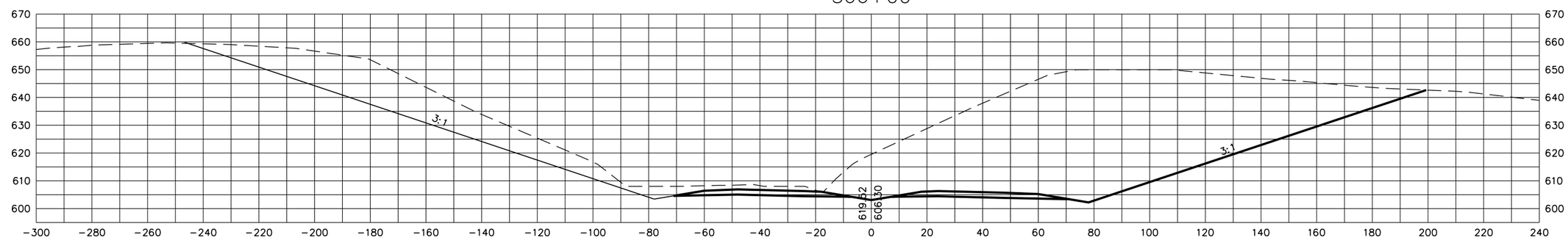
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	347
CONST	2014	36001-3290-14	

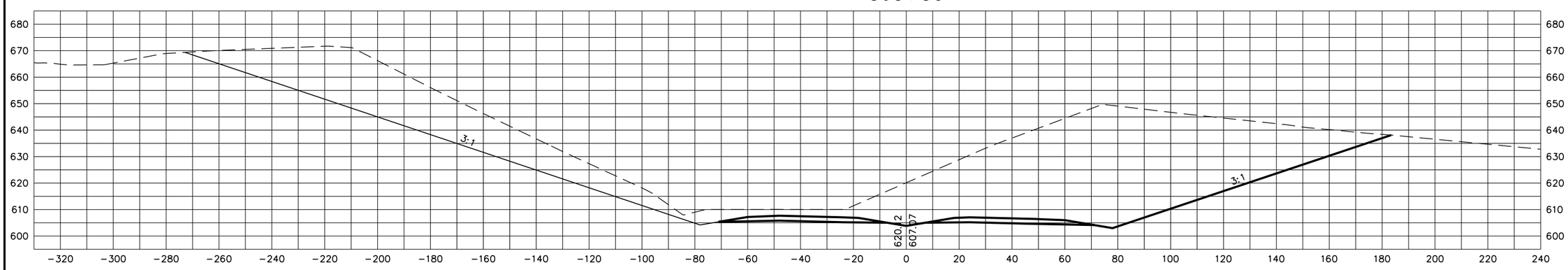
566+50



566+00



565+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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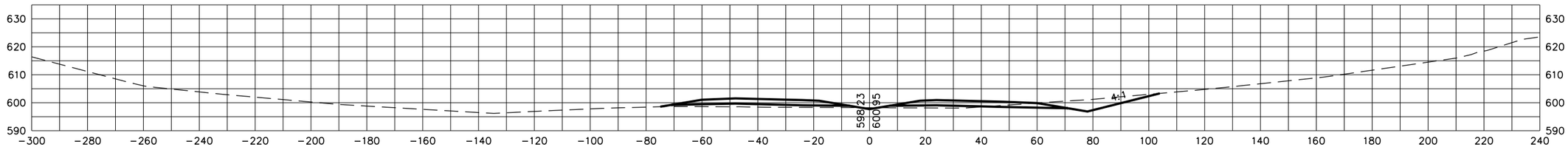
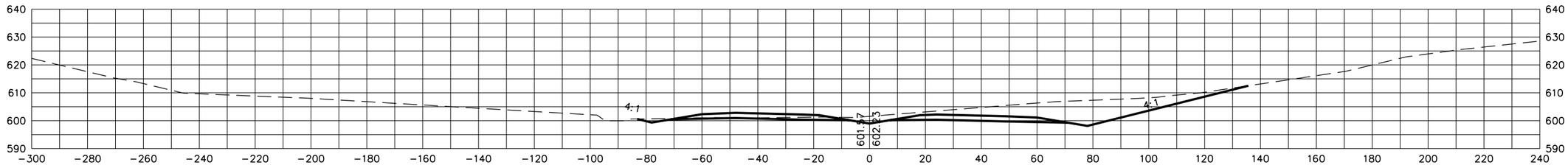
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	348
CONST	2014	36001-3290-14	

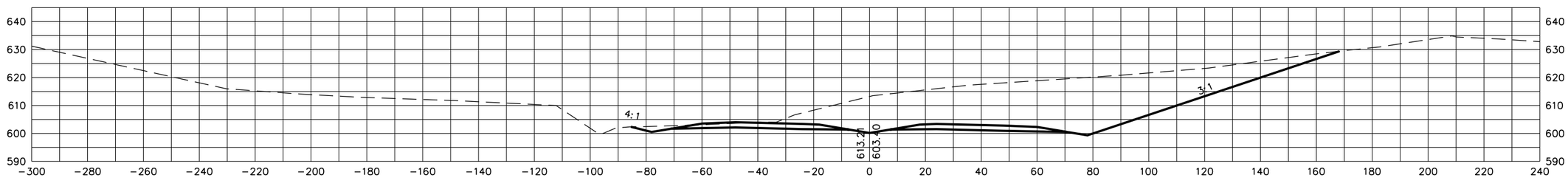
568+50



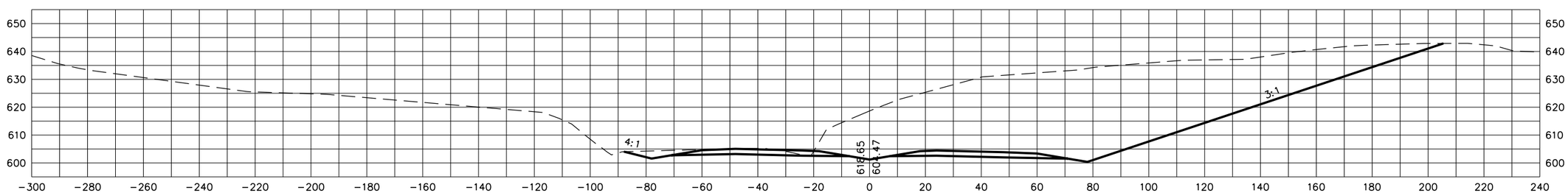
568+00



567+50



567+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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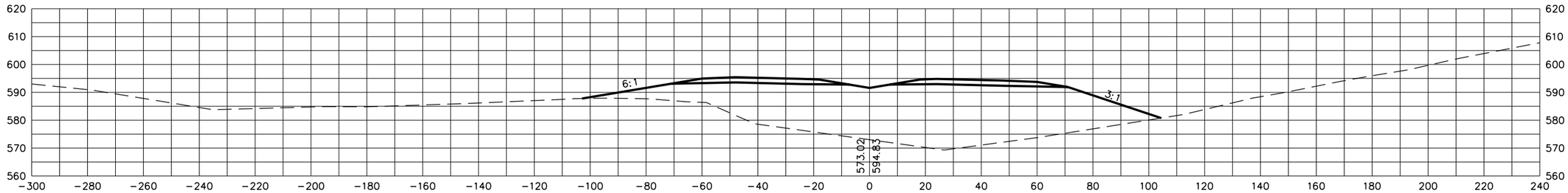
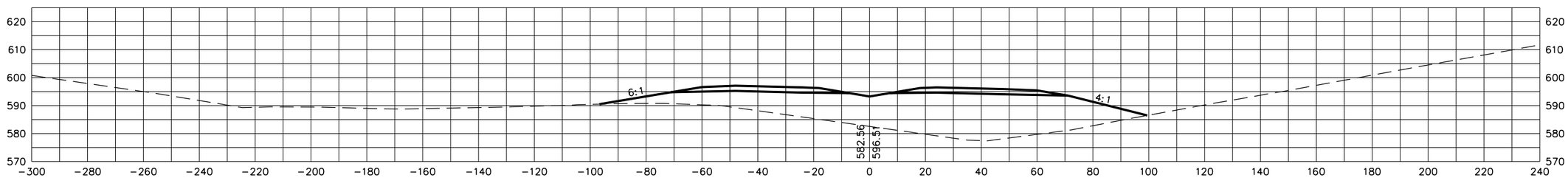
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	349
CONST	2014	36001-3290-14	

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

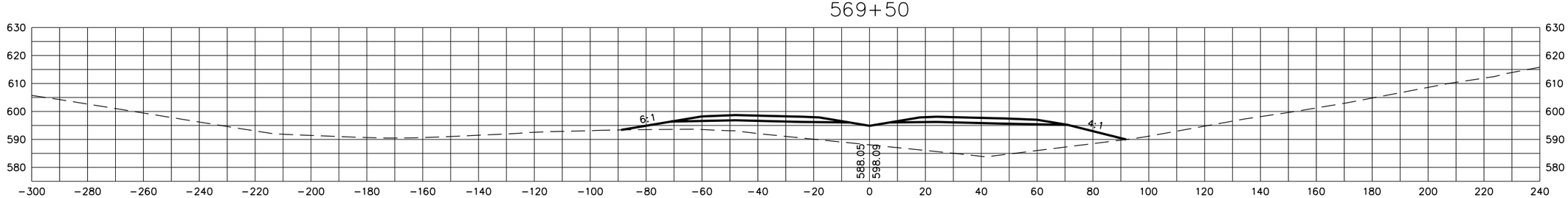
570+50



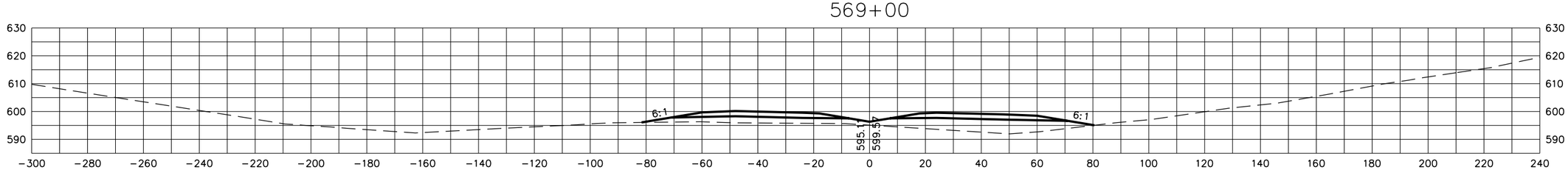
570+00



569+50



569+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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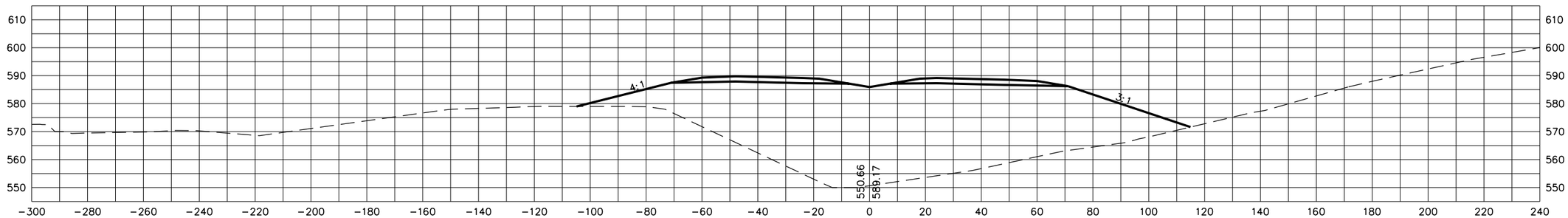
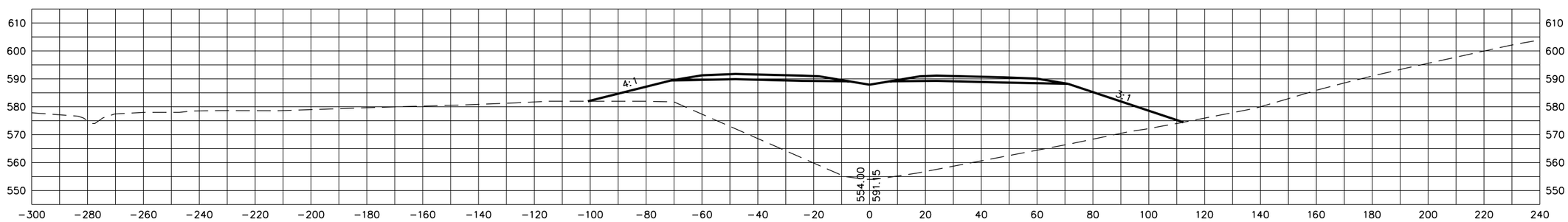
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	350
CONST	2014	36001-3290-14	

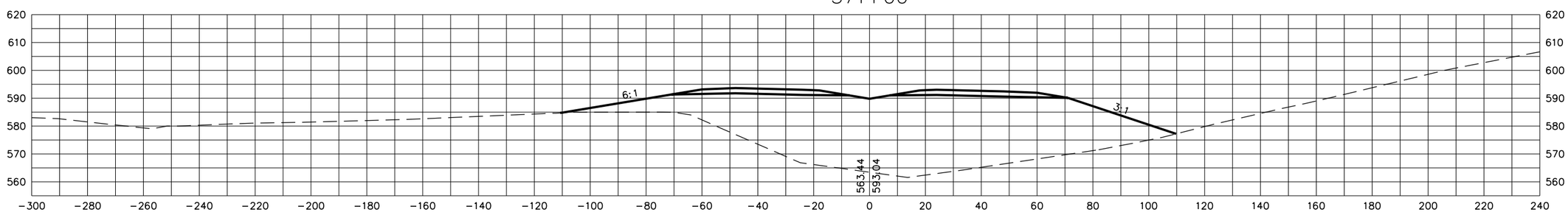
572+00



571+50



571+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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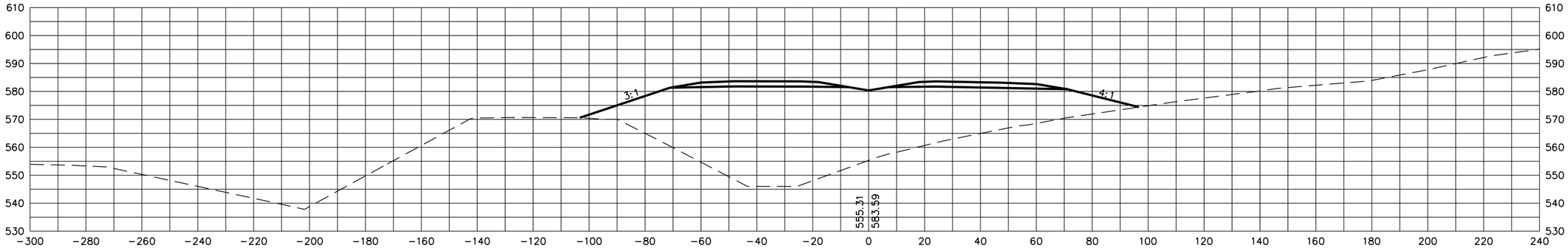
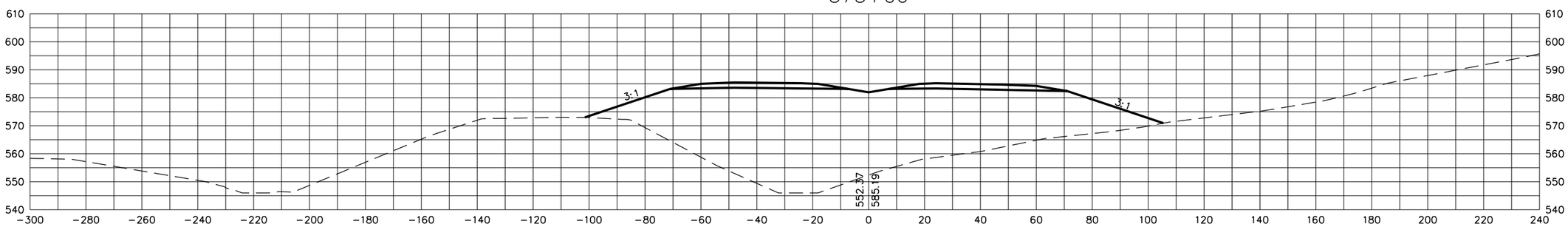
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	351
CONST	2014	36001-3290-14	

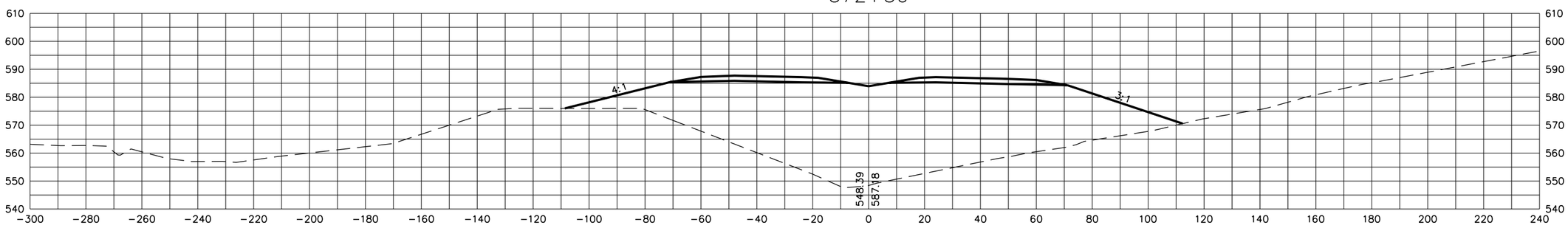
573+40.25



573+00



572+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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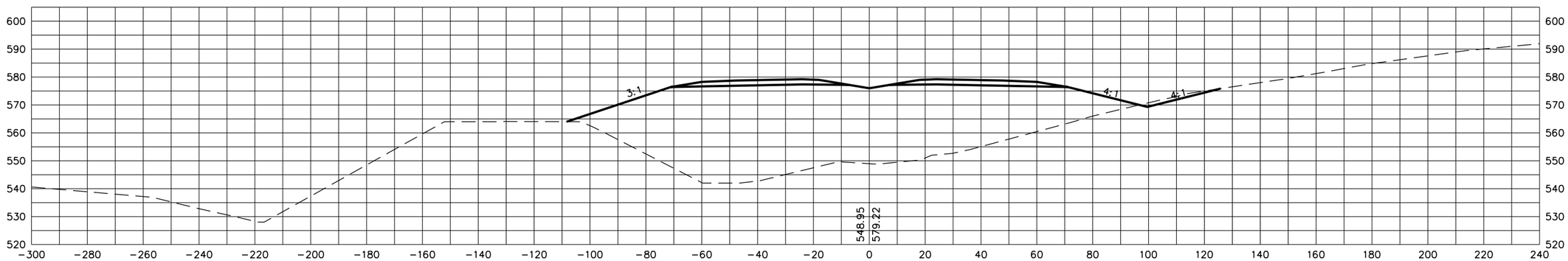
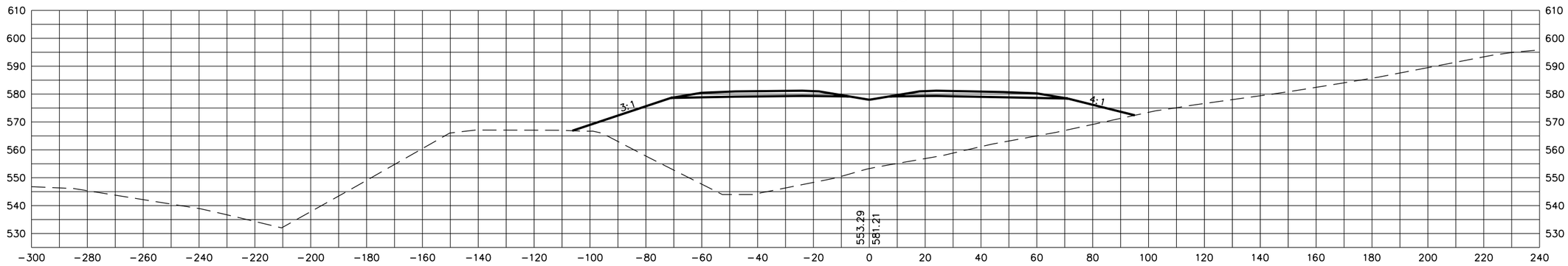
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	352
CONST	2014	36001-3290-14	

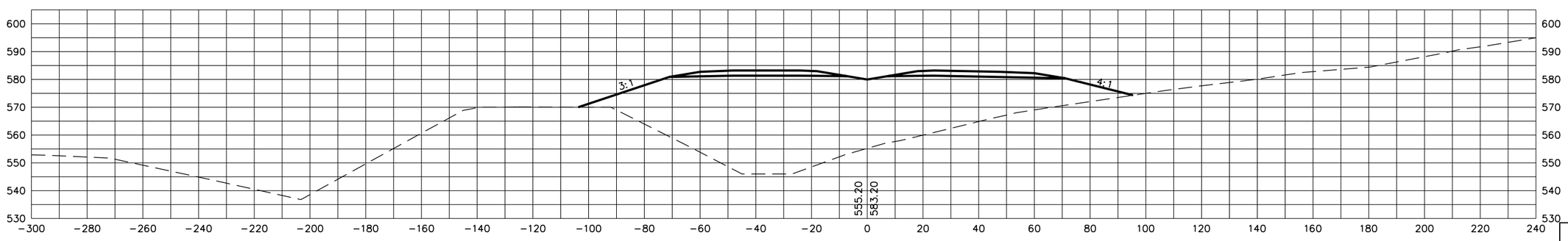
574+50



574+00



573+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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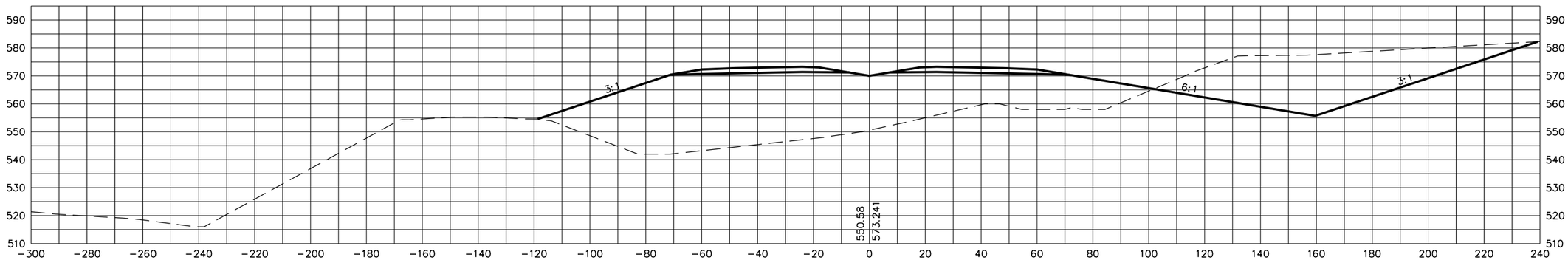
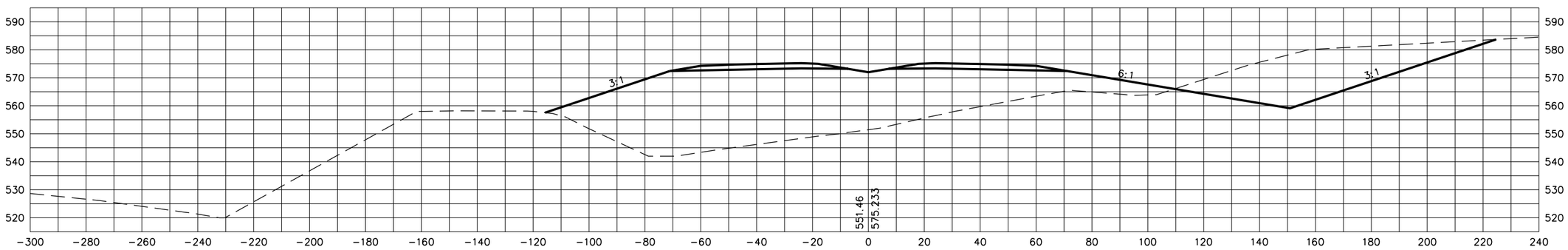
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	353
CONST	2014	36001-3290-14	

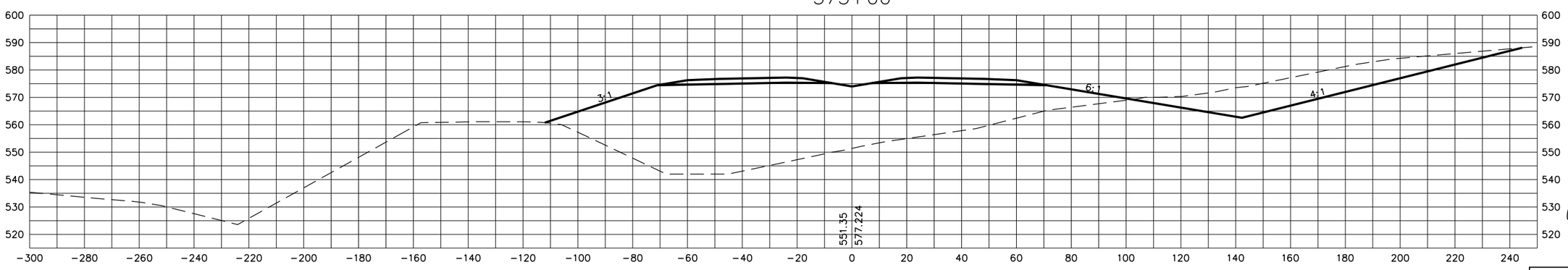
576+00



575+50



575+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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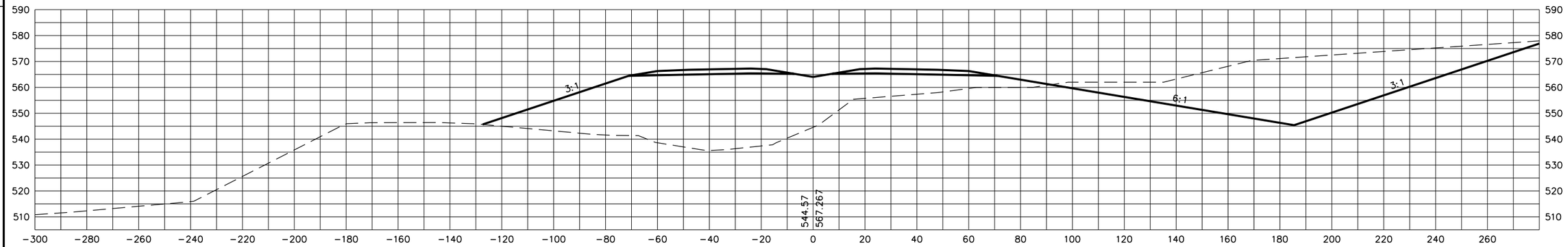
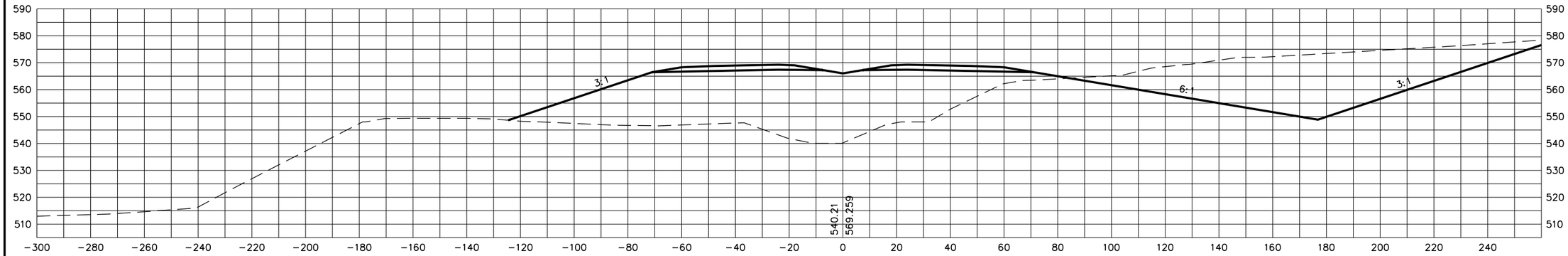
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	354
CONST	2014	36001-3290-14	

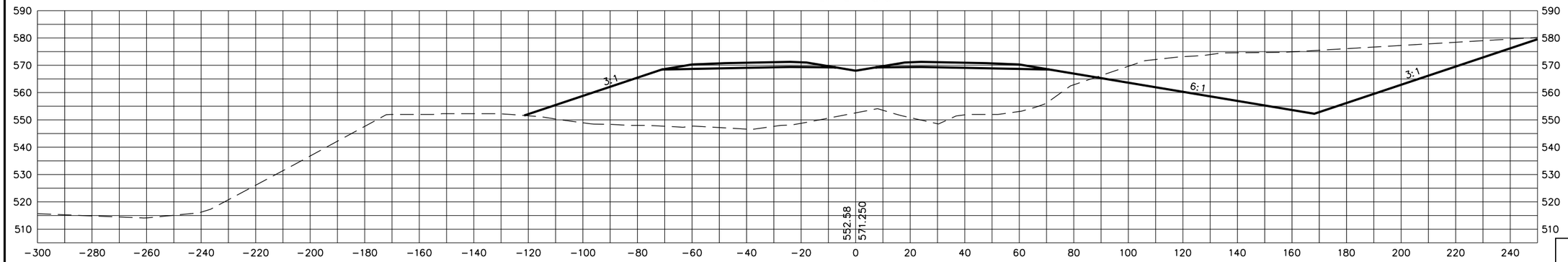
577+50



577+00



576+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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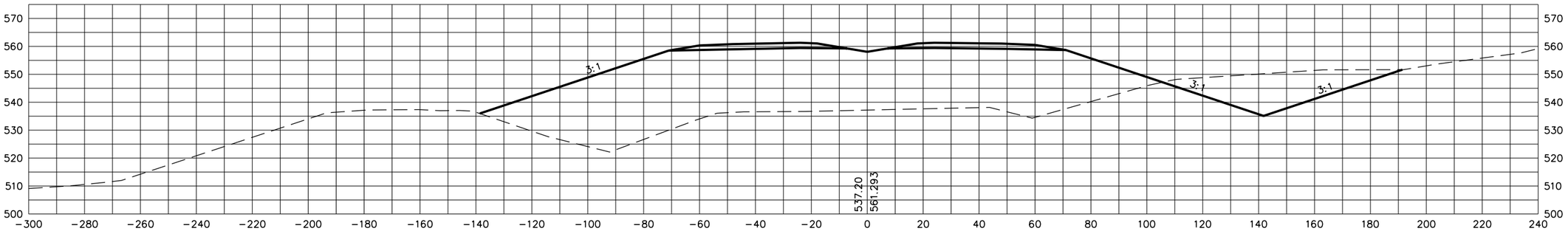
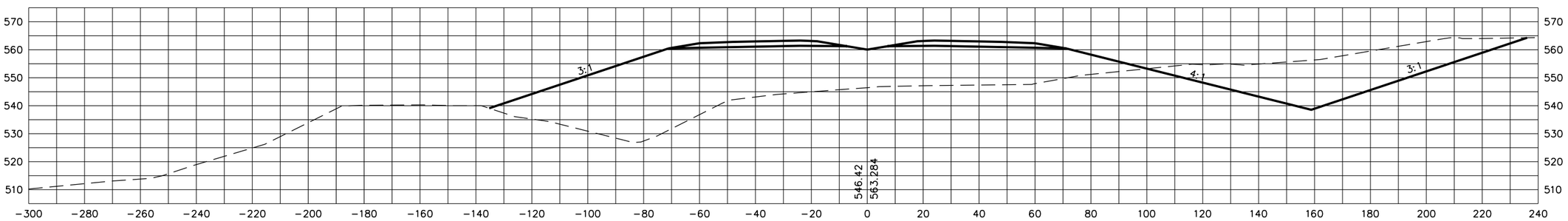
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	355
CONST	2014	36001-3290-14	

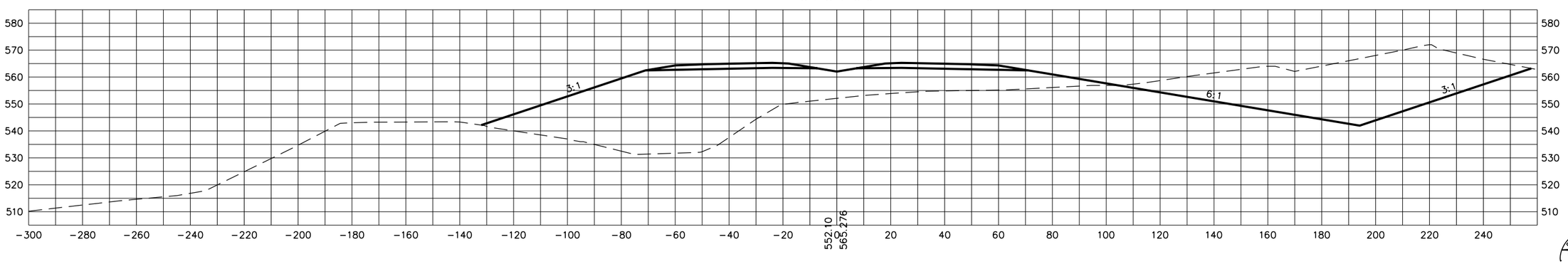
579+00



578+50



578+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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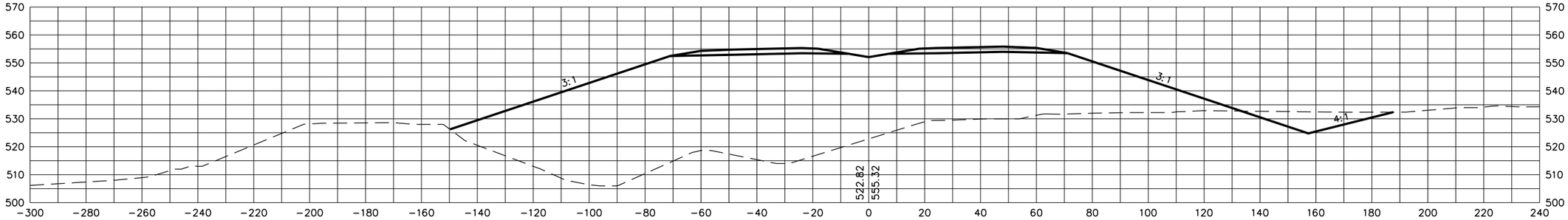
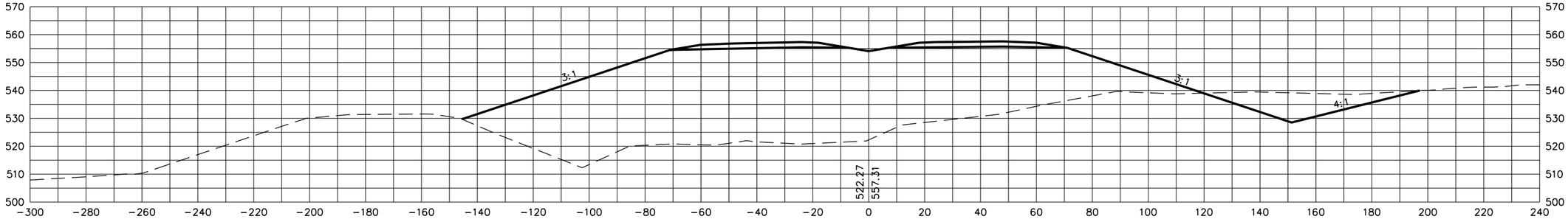
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	356
CONST	2014	36001-3290-14	

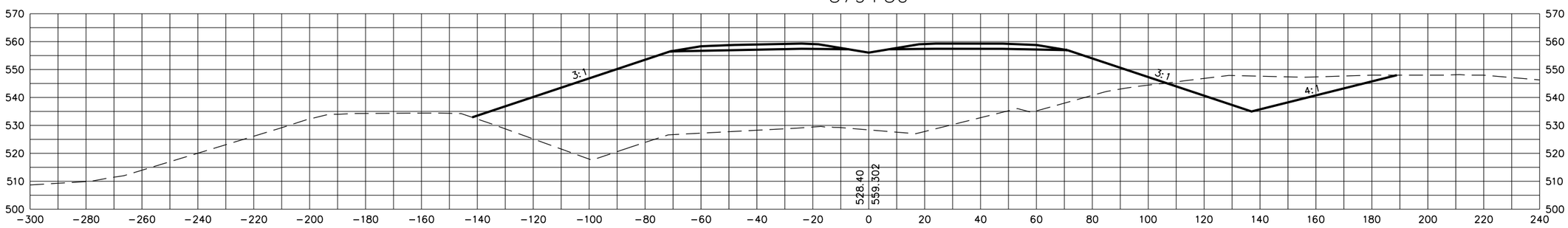
580+50

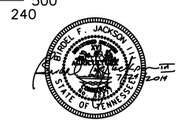


580+00



579+50





STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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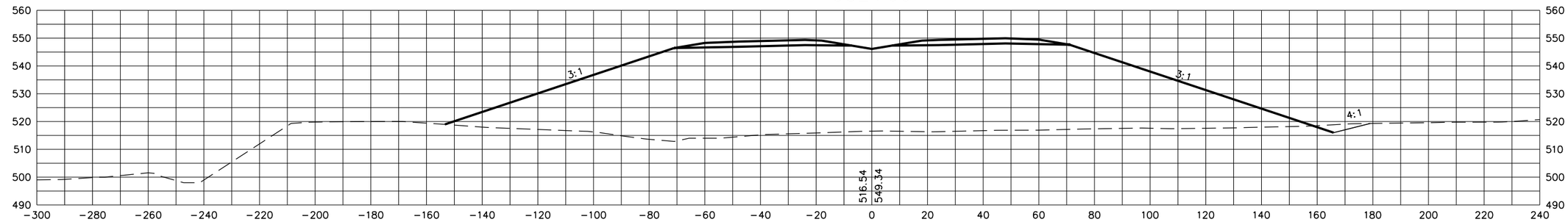
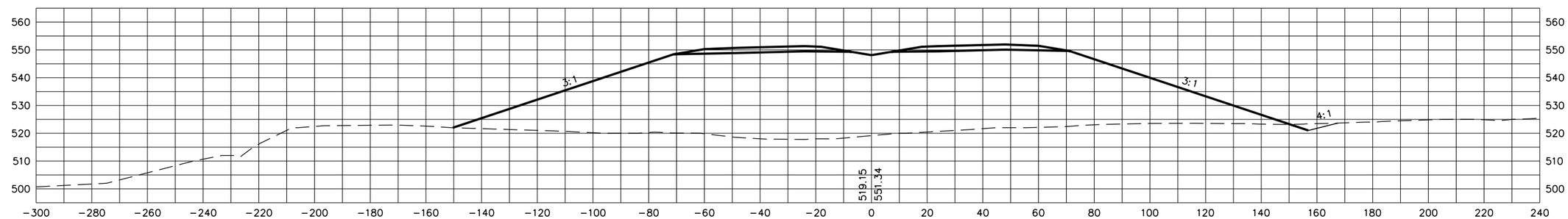
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	357
CONST	2014	36001-3290-14	

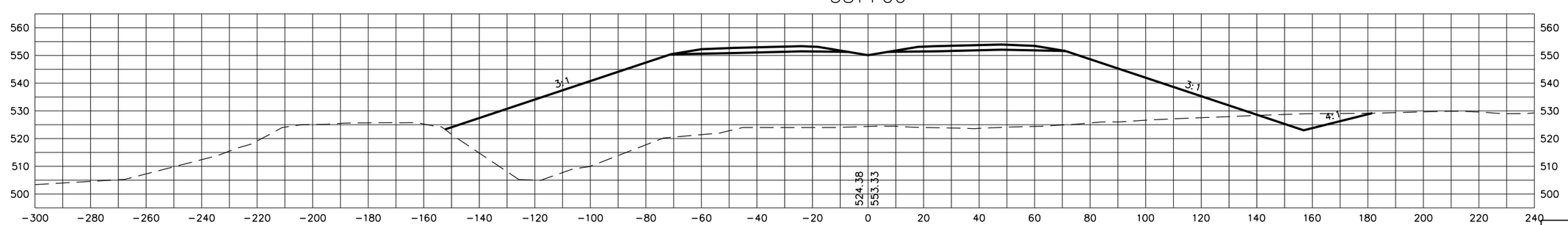
582+00



581+50



581+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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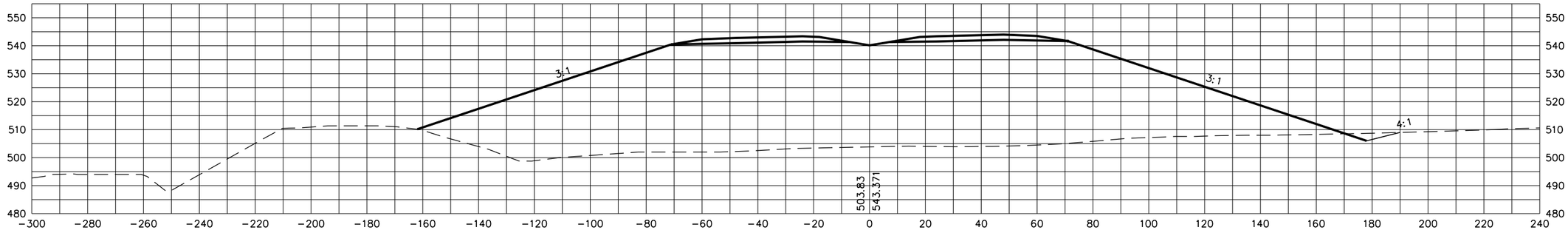
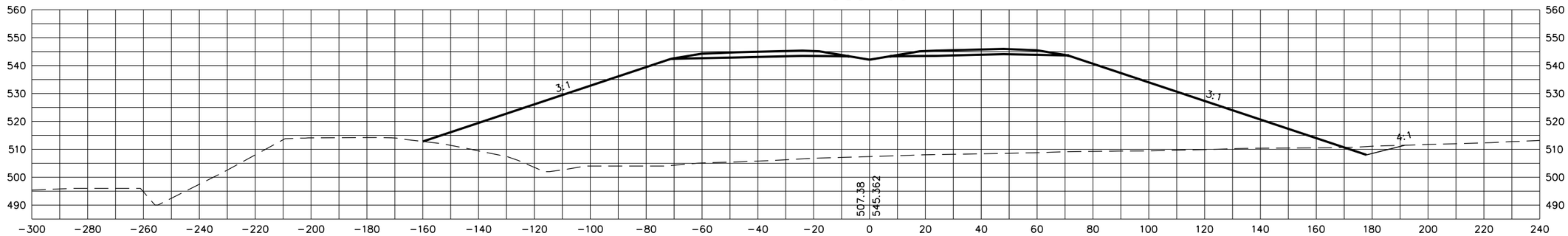
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	358
CONST	2014	36001-3290-14	

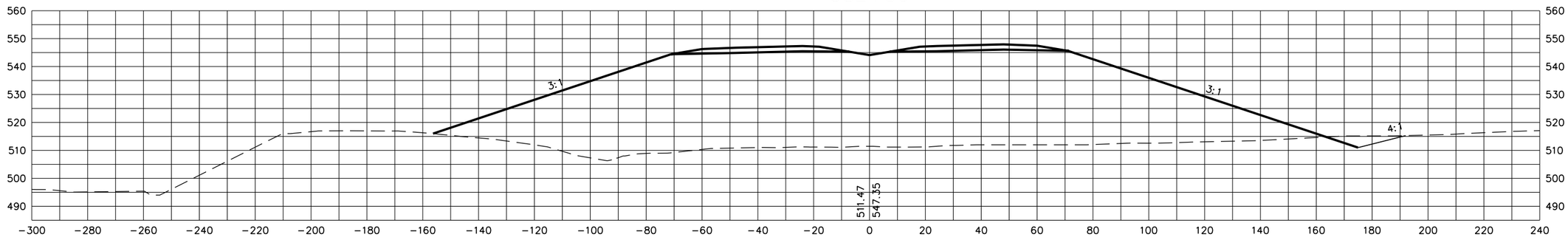
583+50



583+00



582+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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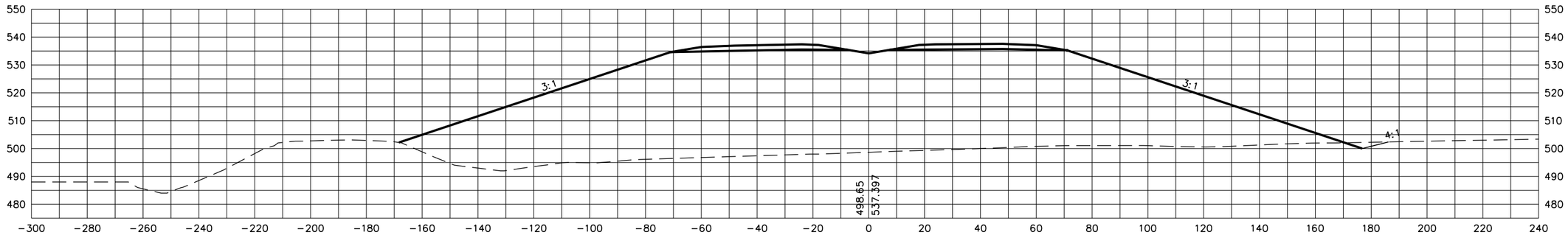
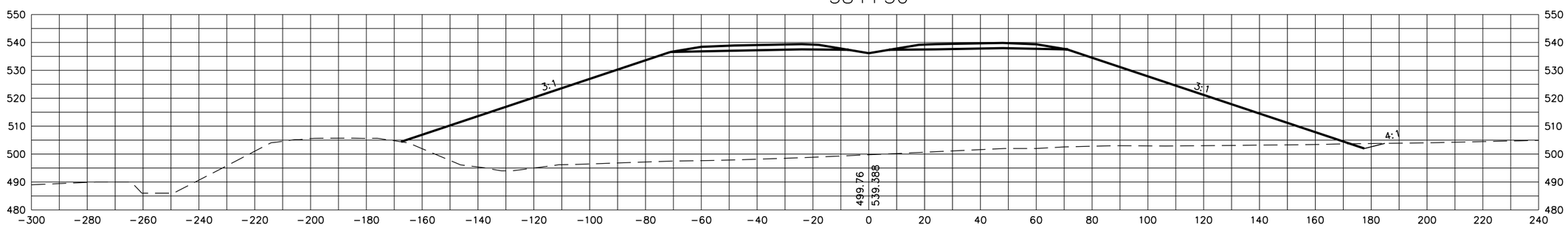
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	359
CONST	2014	36001-3290-14	

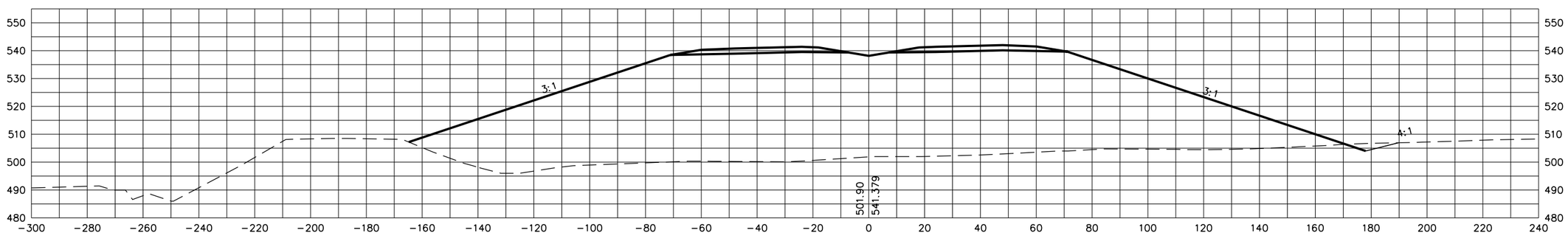
585+00



584+50



584+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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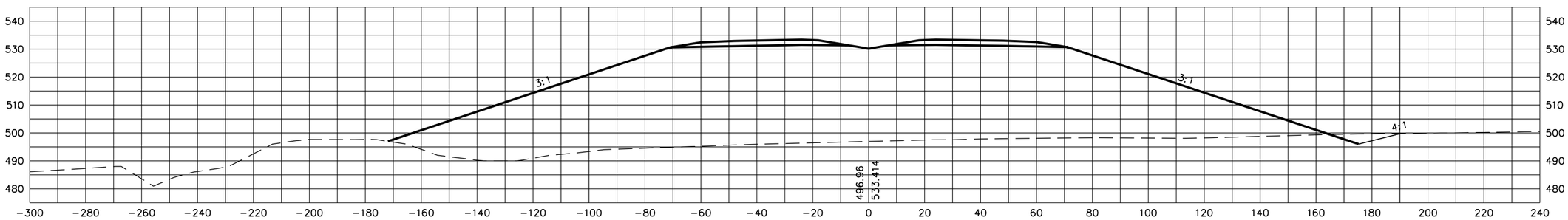
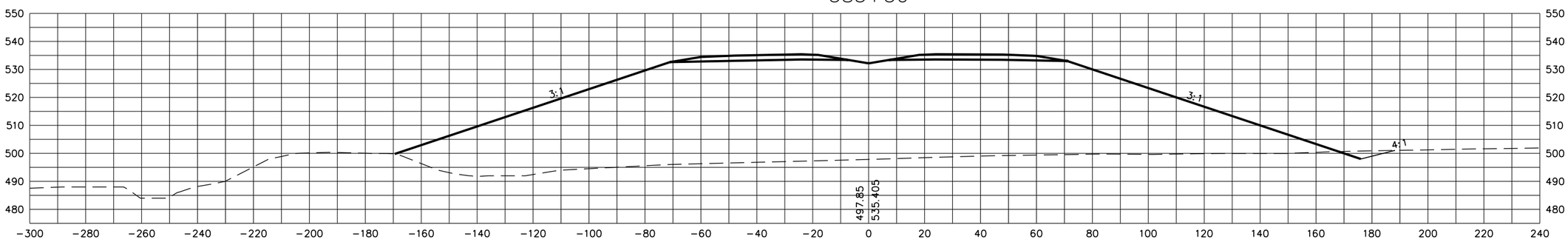
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	360
CONST	2014	36001-3290-14	

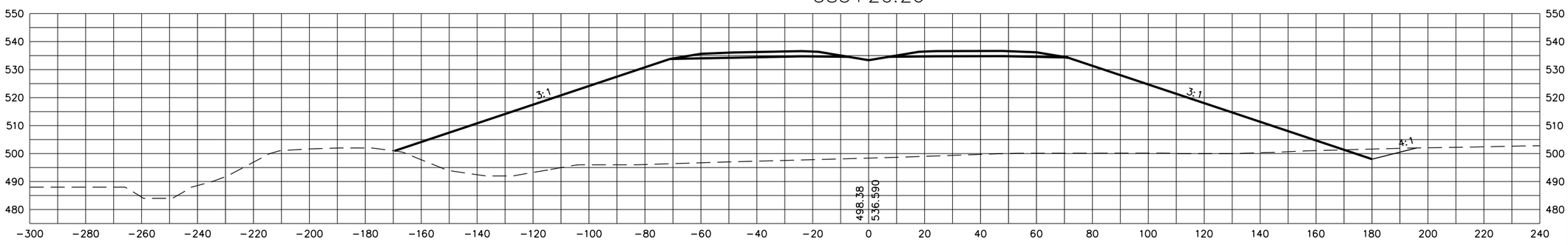
586+00



585+50



585+20.26



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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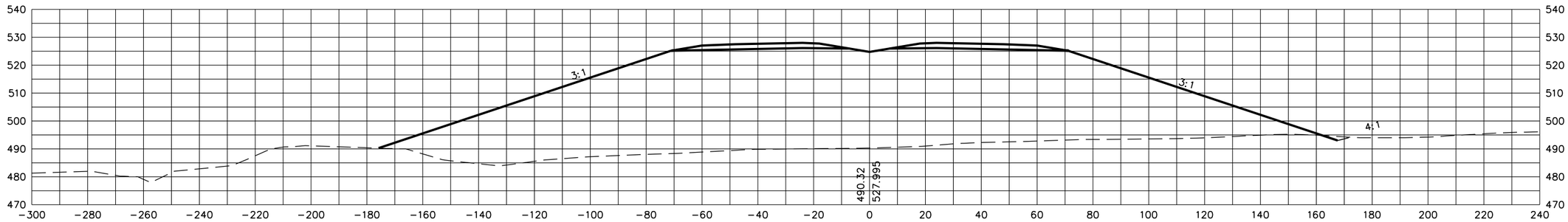
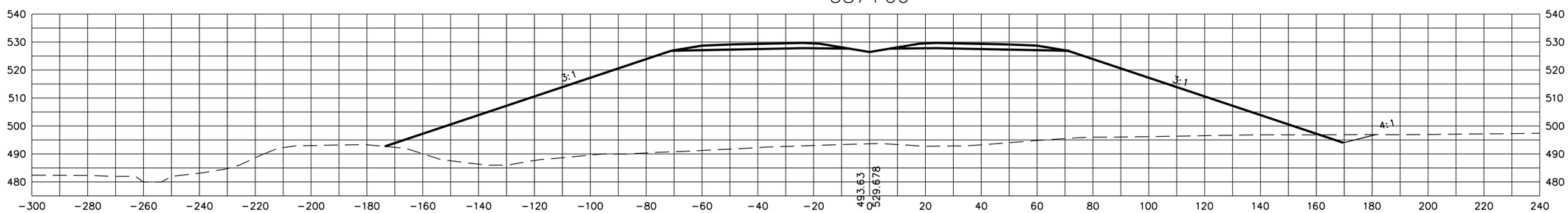
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	361
CONST	2014	36001-3290-14	

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

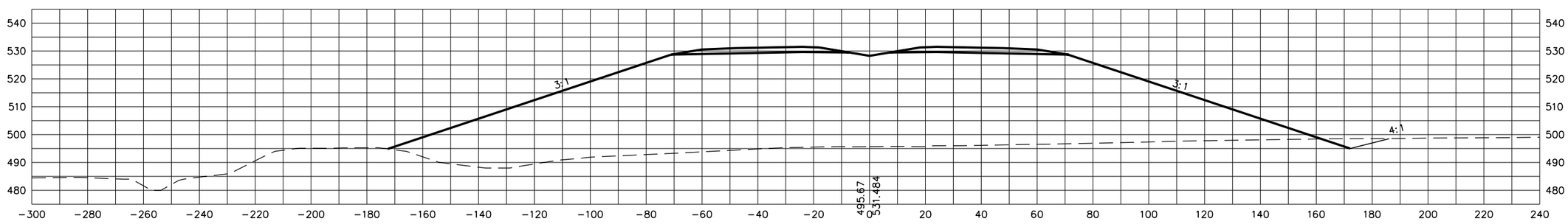
587+50



587+00



586+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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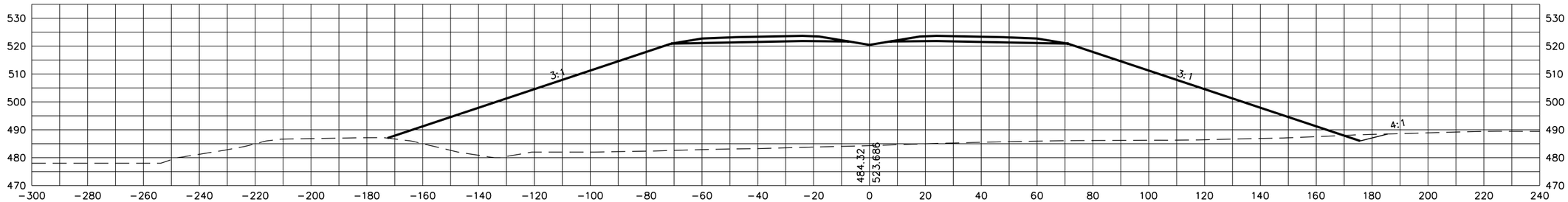
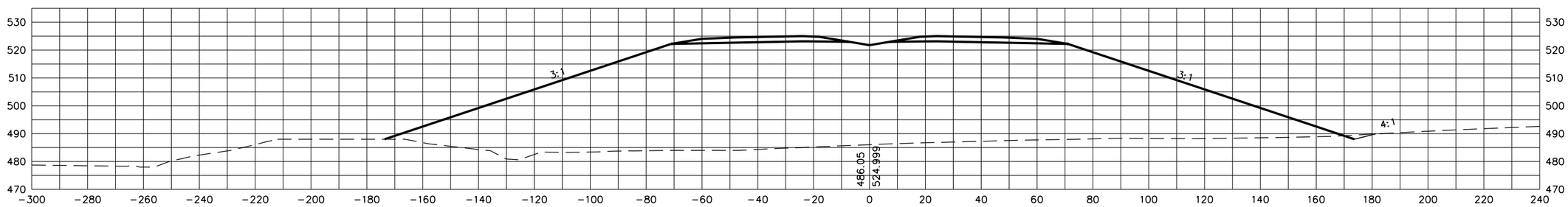
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	362
CONST	2014	36001-3290-14	

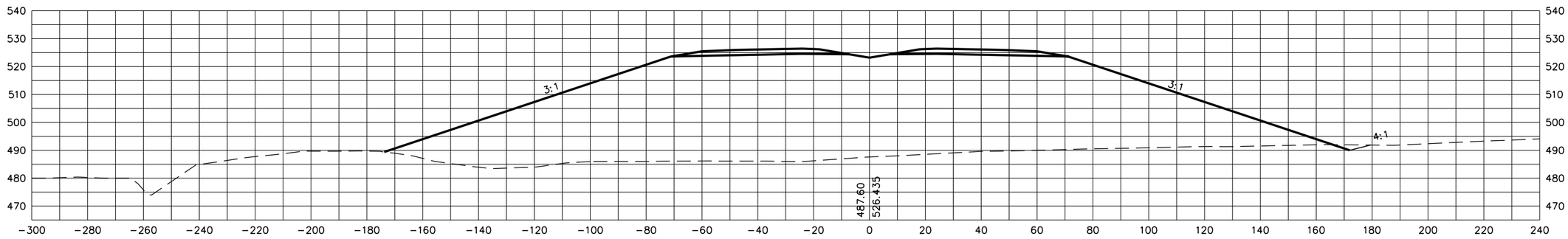
589+00



588+50



588+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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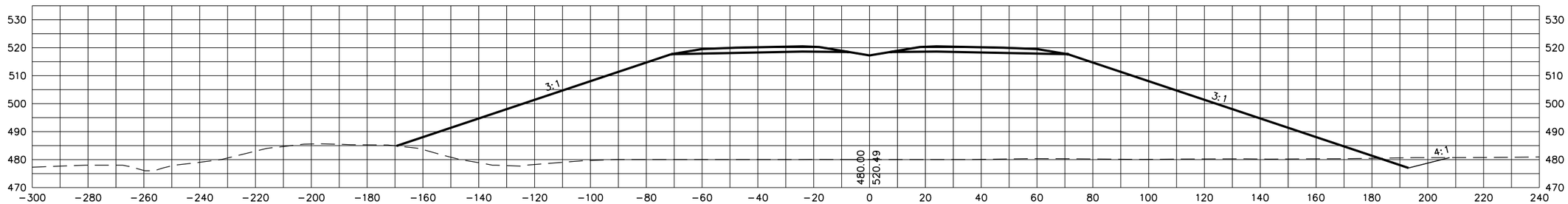
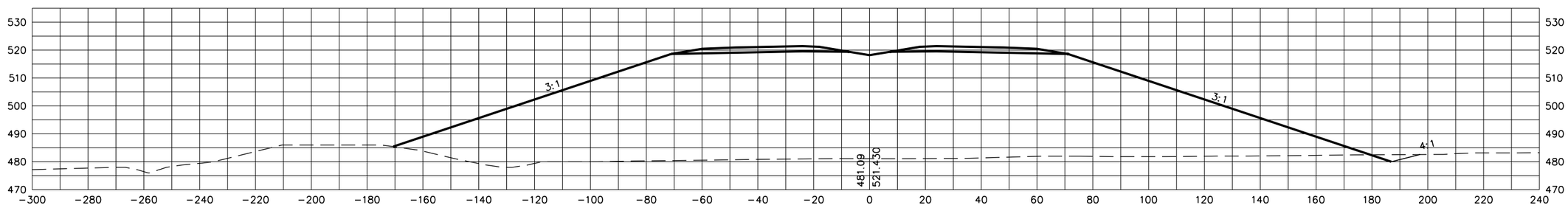
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	363
CONST	2014	36001-3290-14	

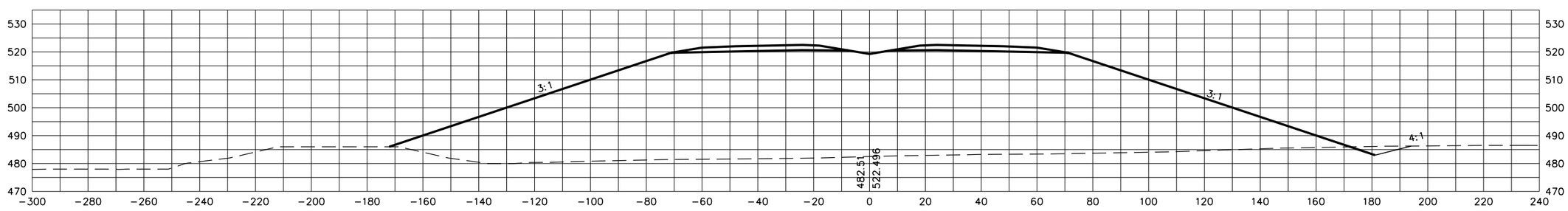
590+50



590+00



589+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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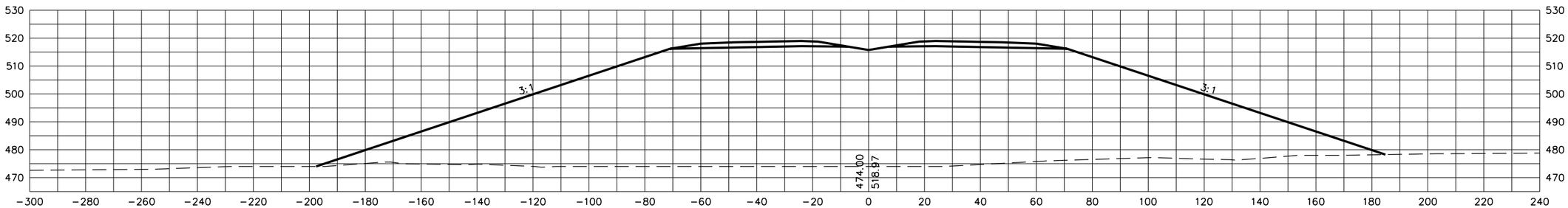
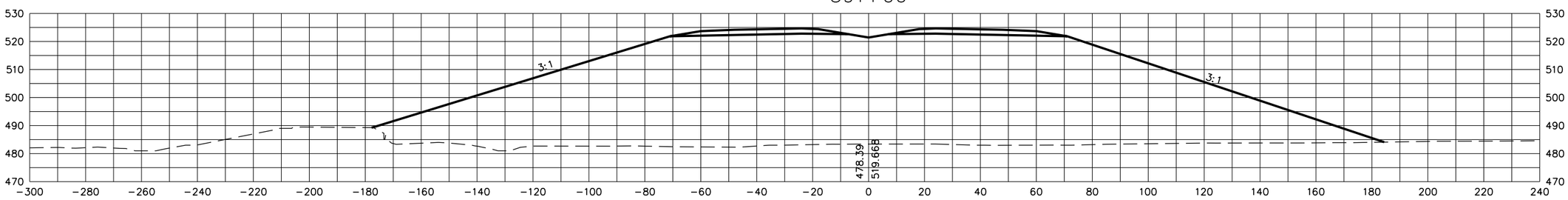
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	364
CONST	2014	36001-3290-14	

591+50



591+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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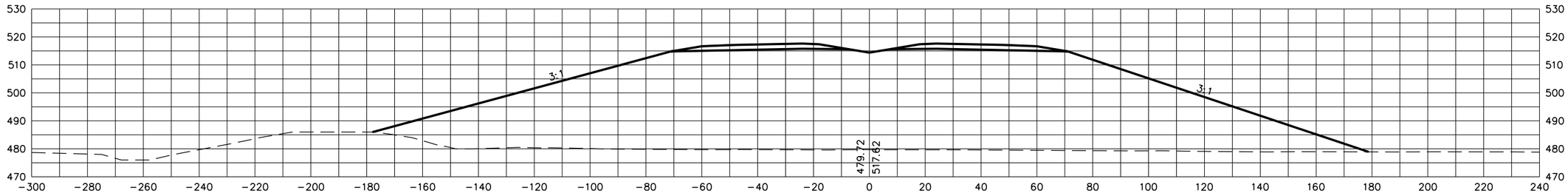
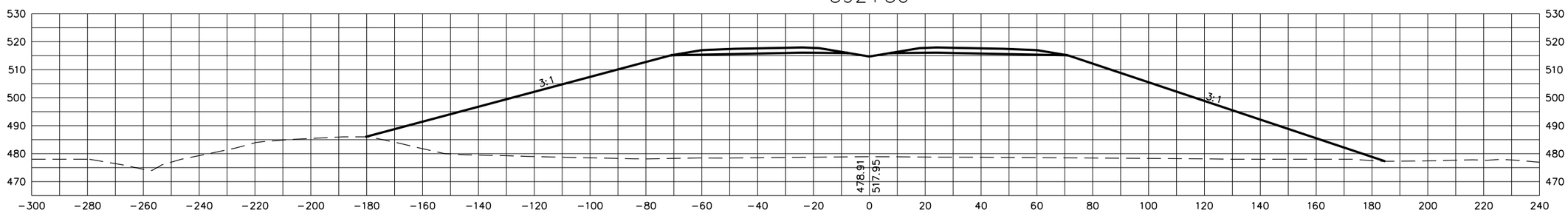
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	365
CONST	2014	36001-3290-14	

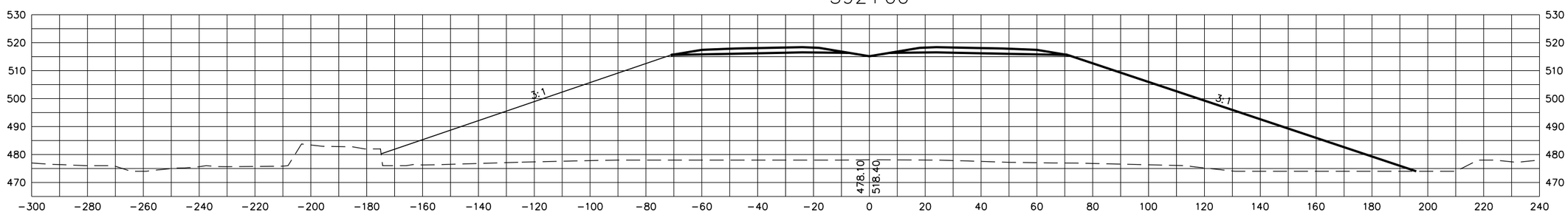
593+00

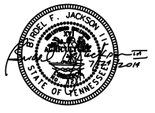


592+50



592+00





STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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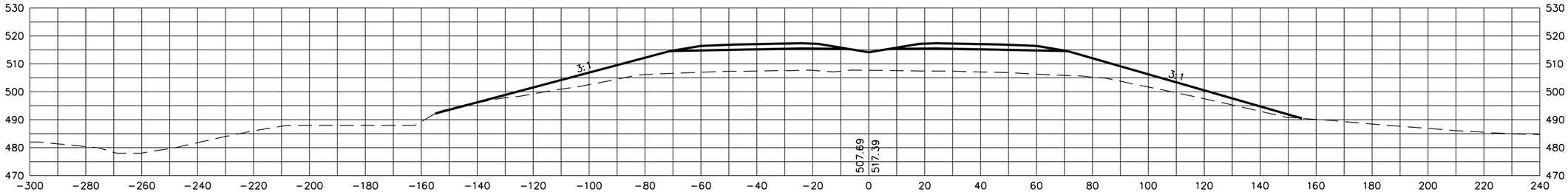
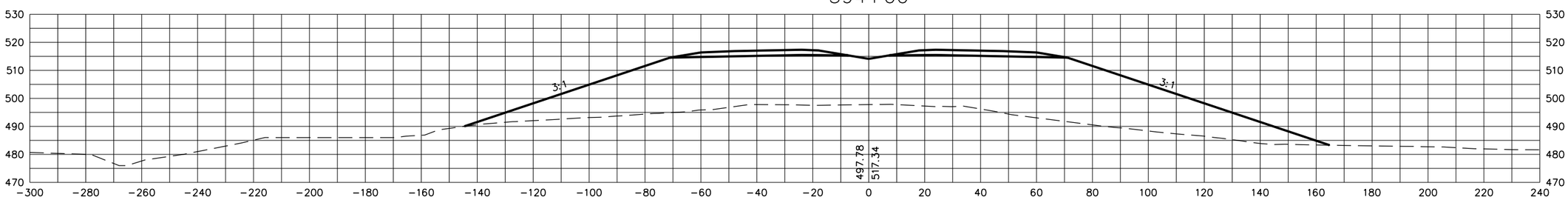
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	366
CONST	2014	36001-3290-14	

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

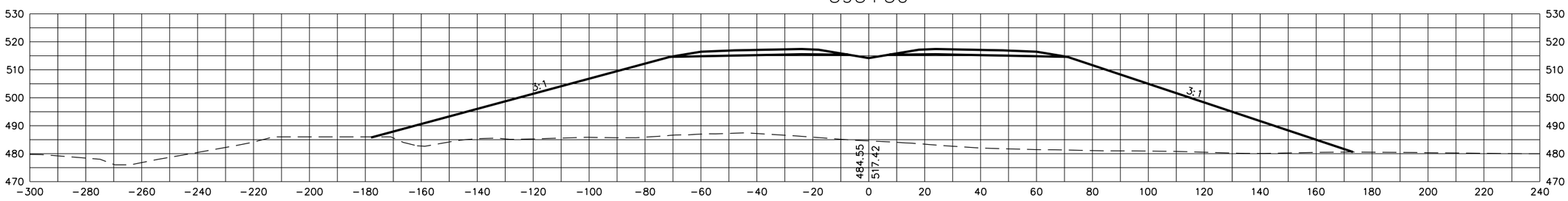
594+50



594+00



593+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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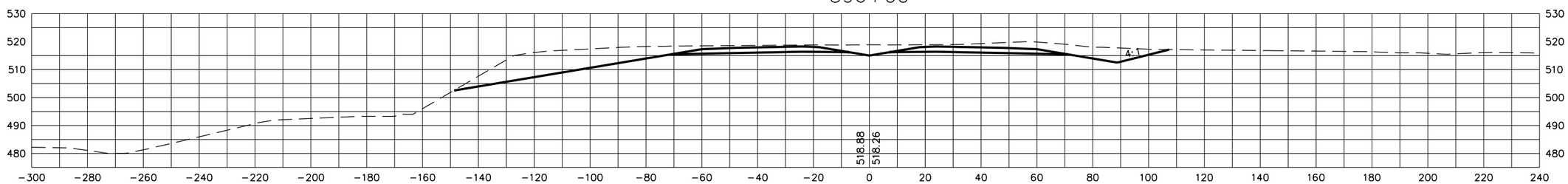
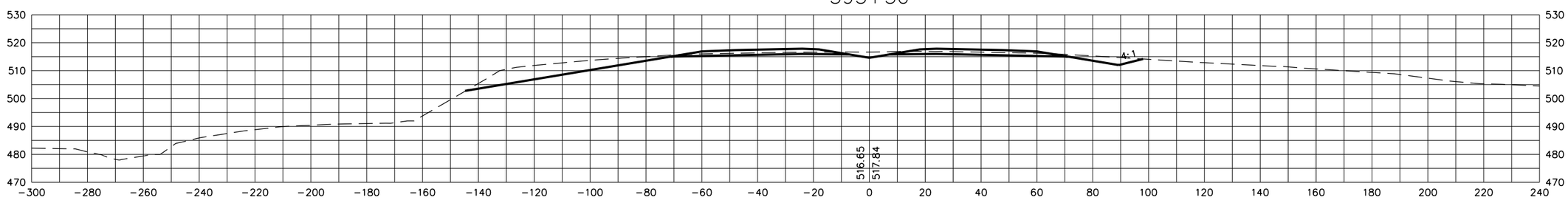
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	367
CONST	2014	36001-3290-14	

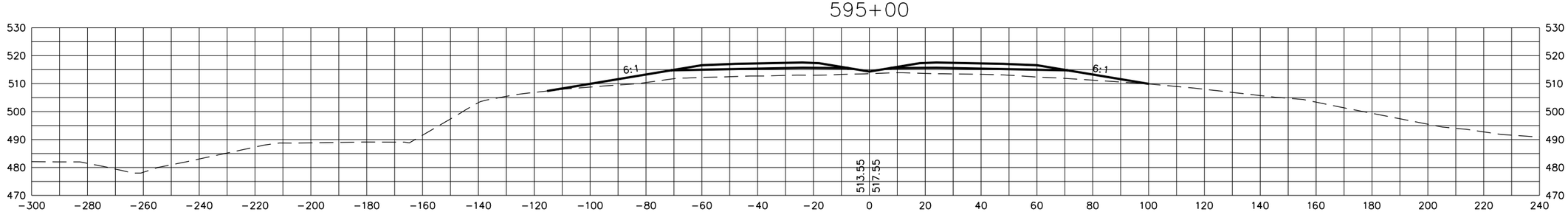
596+00



595+50



595+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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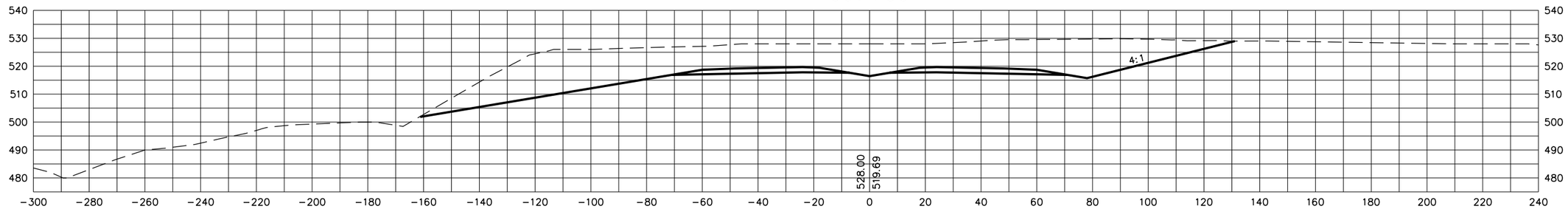
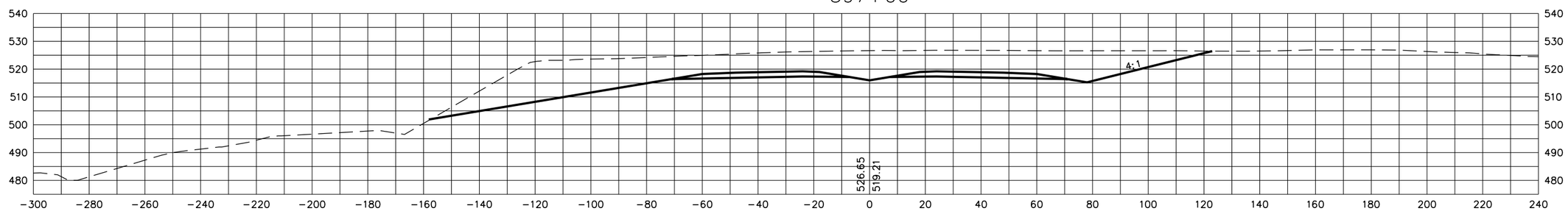
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	368
CONST	2014	36001-3290-14	

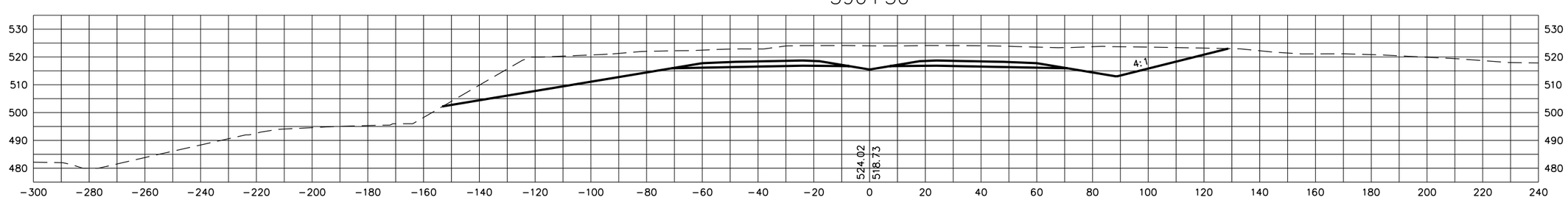
597+50



597+00



596+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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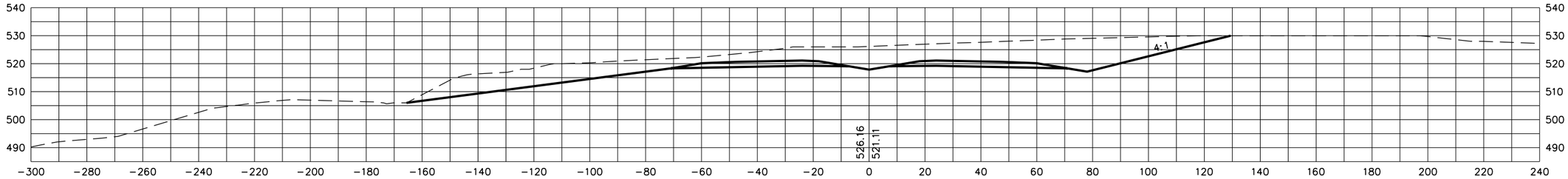
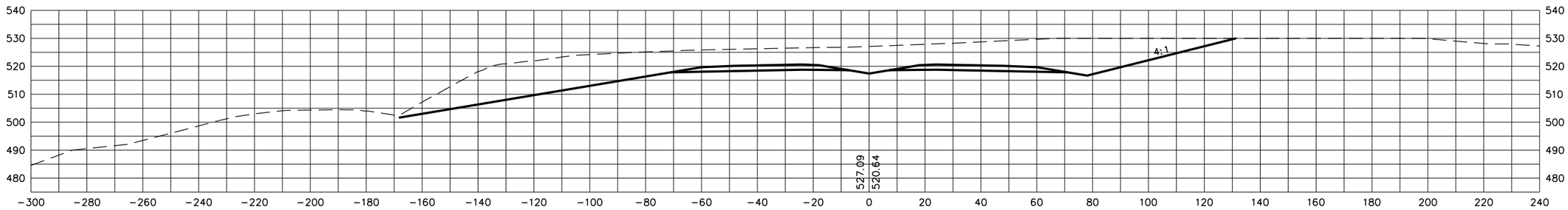
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	369
CONST	2014	36001-3290-14	

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

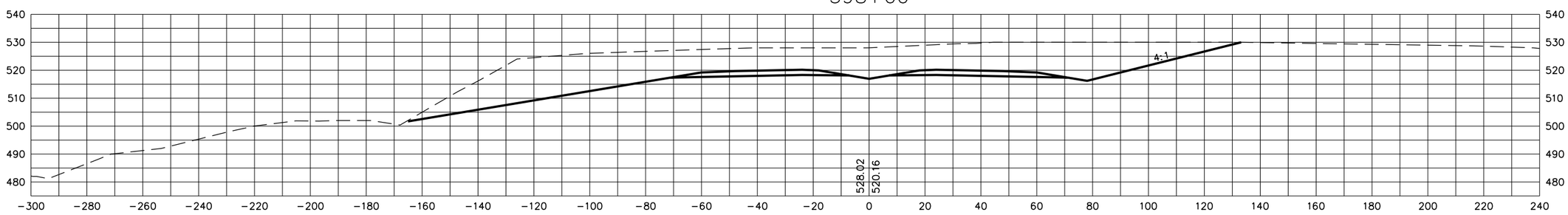
599+00



598+50



598+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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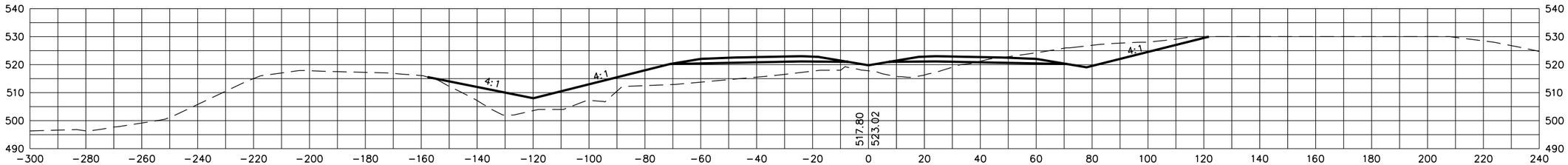
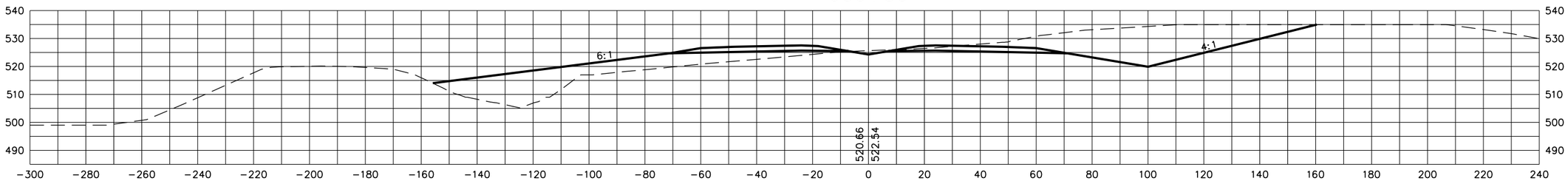
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	370
CONST	2014	36001-3290-14	

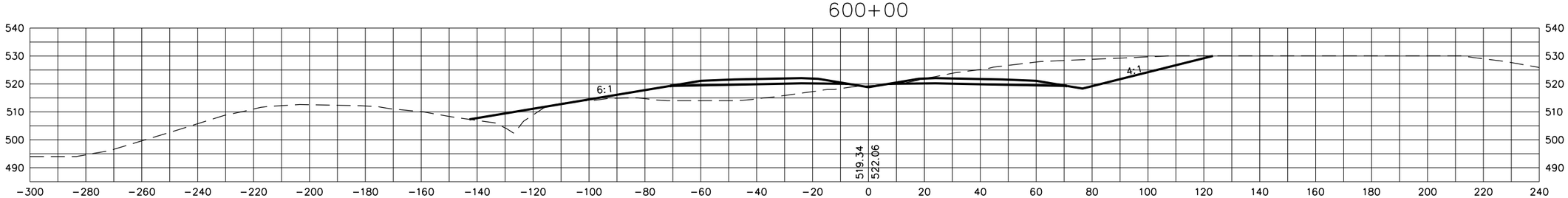
601+00



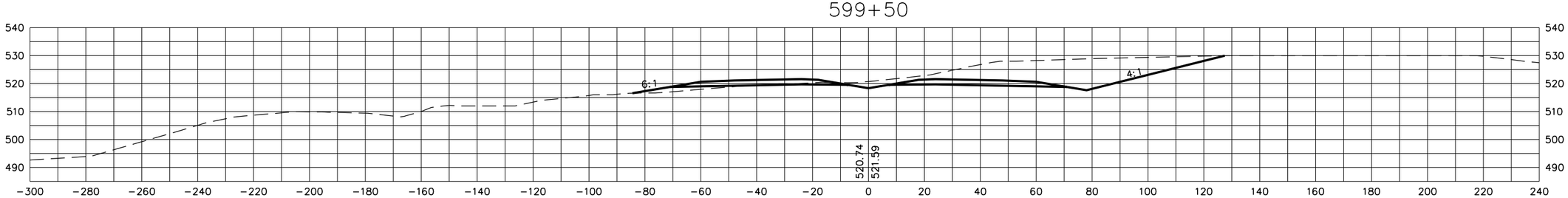
600+50



600+00



599+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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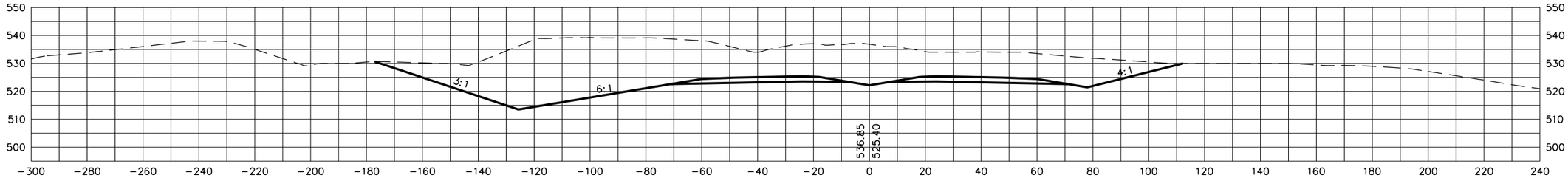
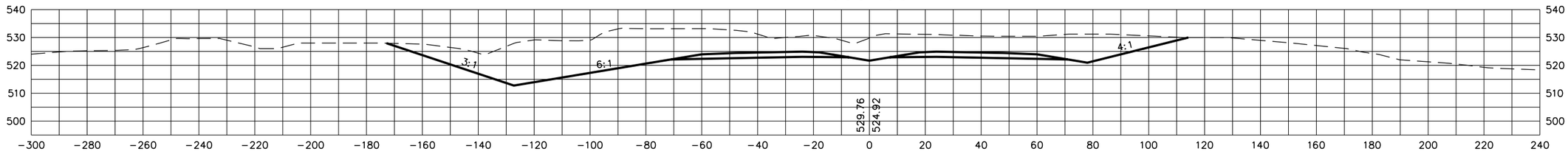
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	371
CONST	2014	36001-3290-14	

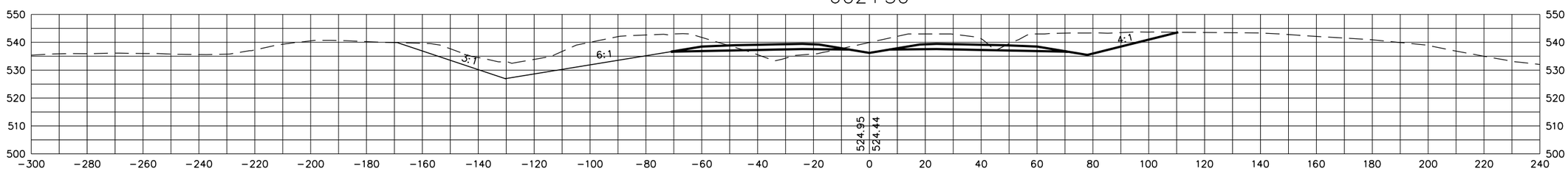
603+50



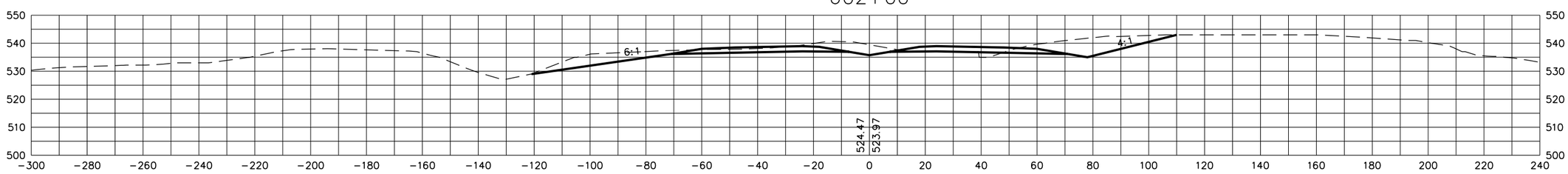
603+00



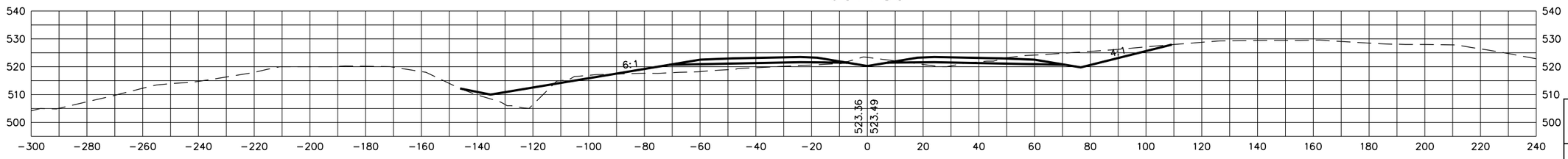
602+50



602+00



601+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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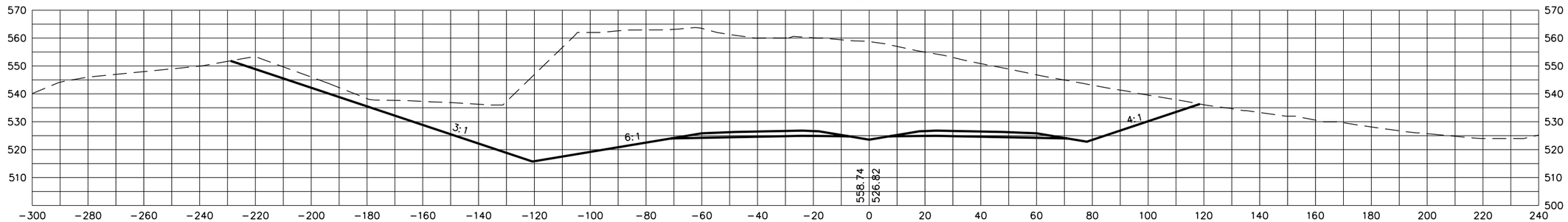
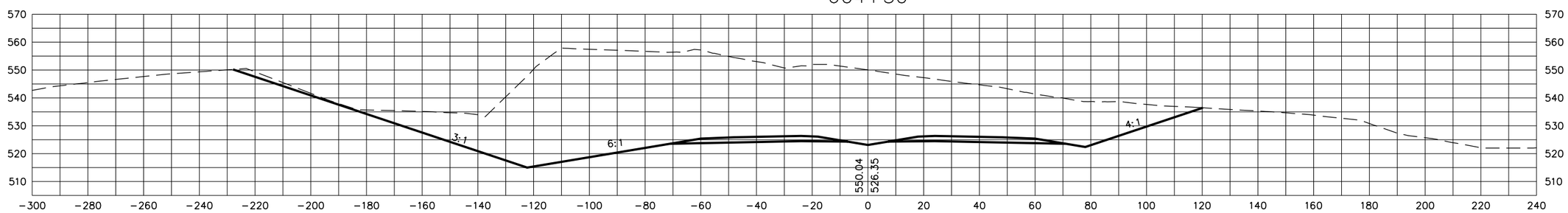
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	372
CONST	2014	36001-3290-14	

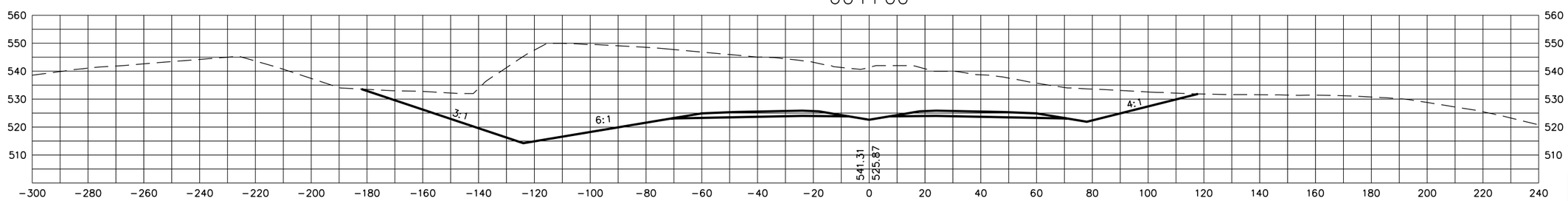
605+00



604+50



604+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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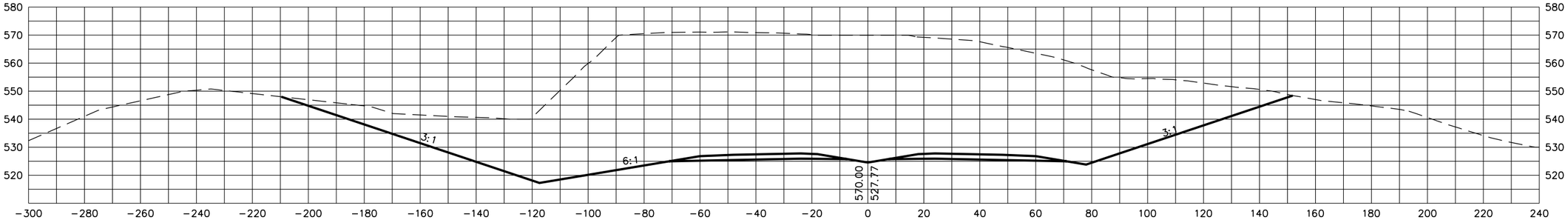
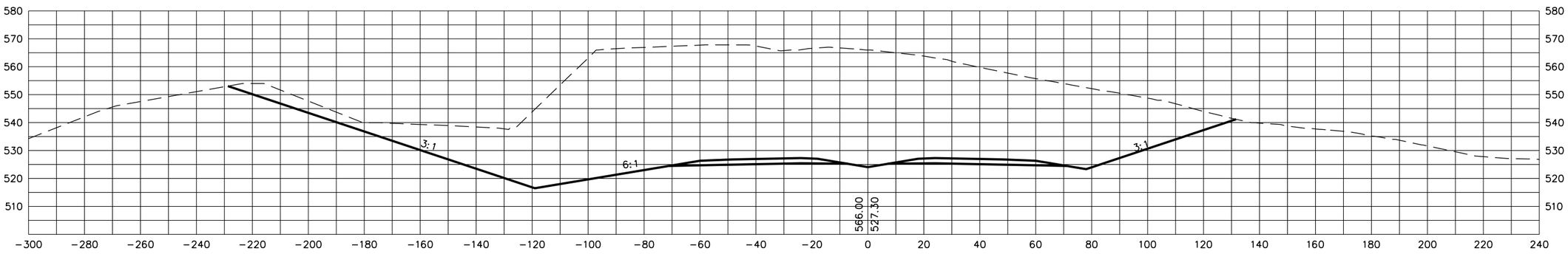
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	373
CONST	2014	36001-3290-14	

606+00



605+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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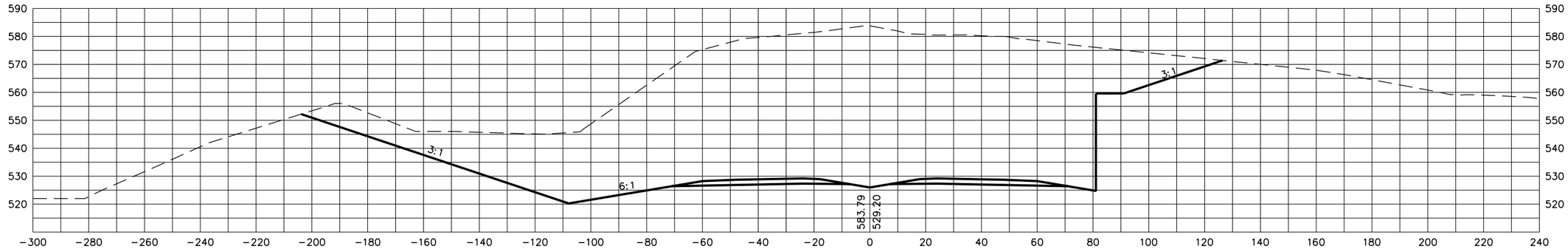
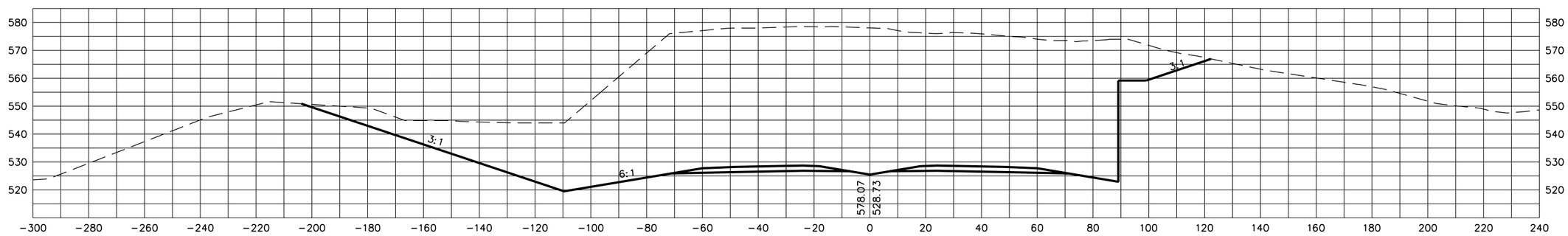
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	374
CONST	2014	36001-3290-14	

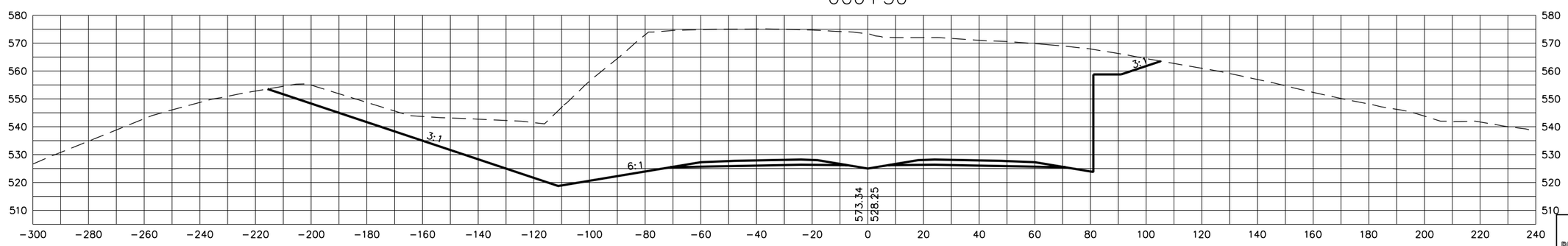
607+50



607+00



606+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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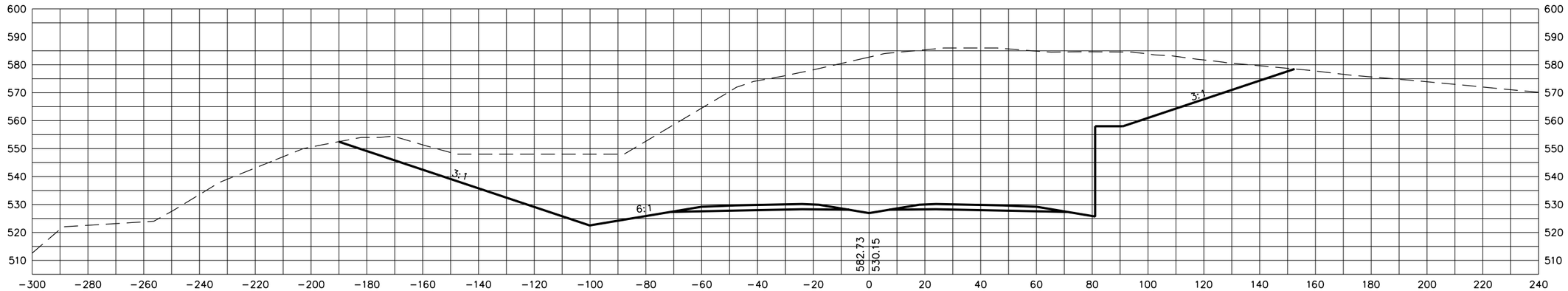
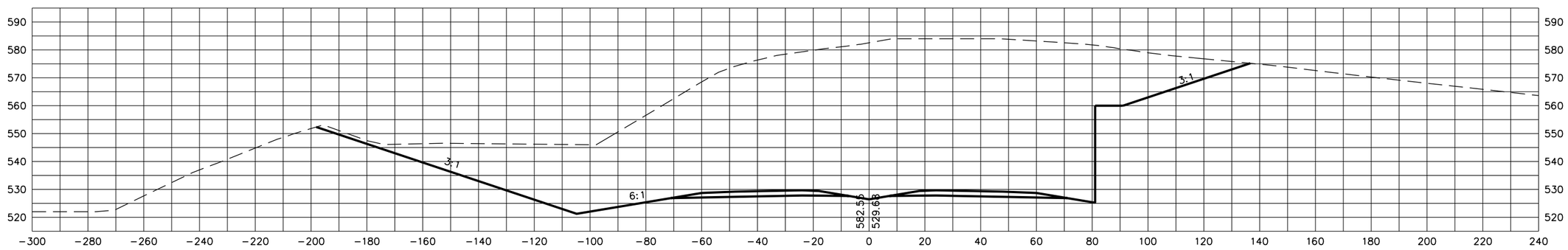
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	375
CONST	2014	36001-3290-14	

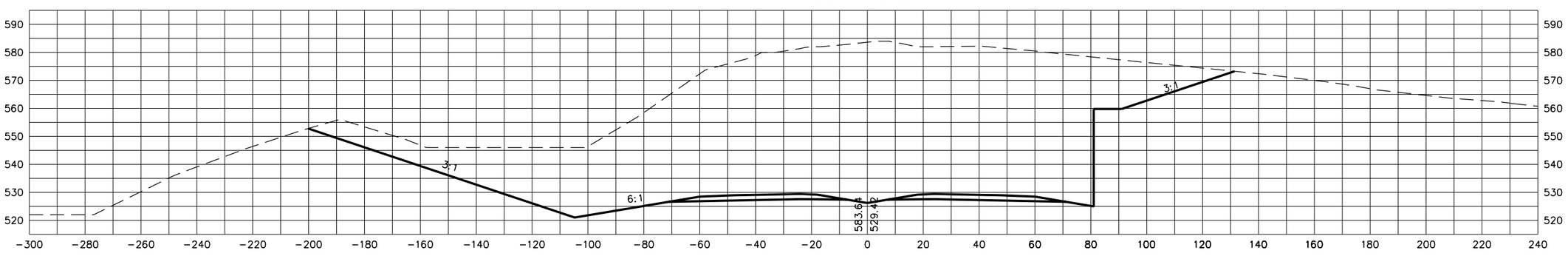
608+50



608+00



607+73.04



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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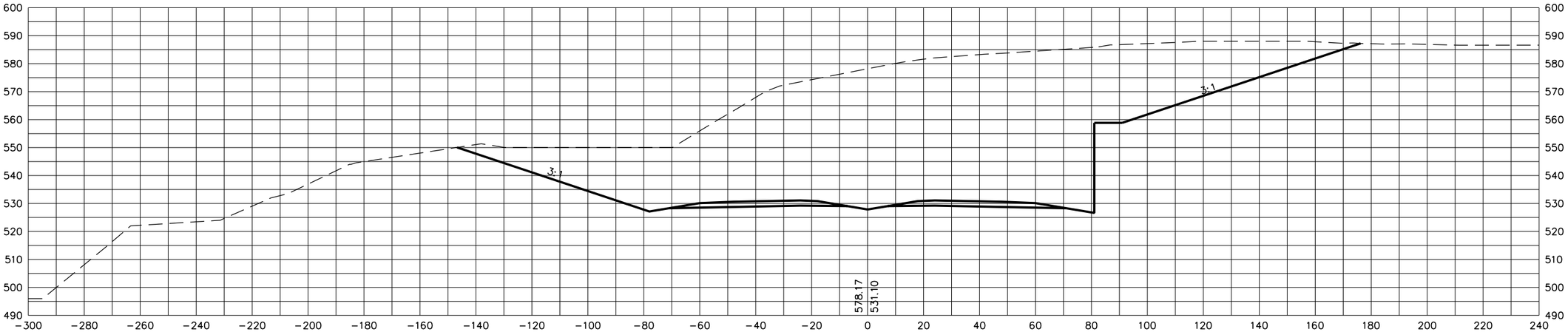
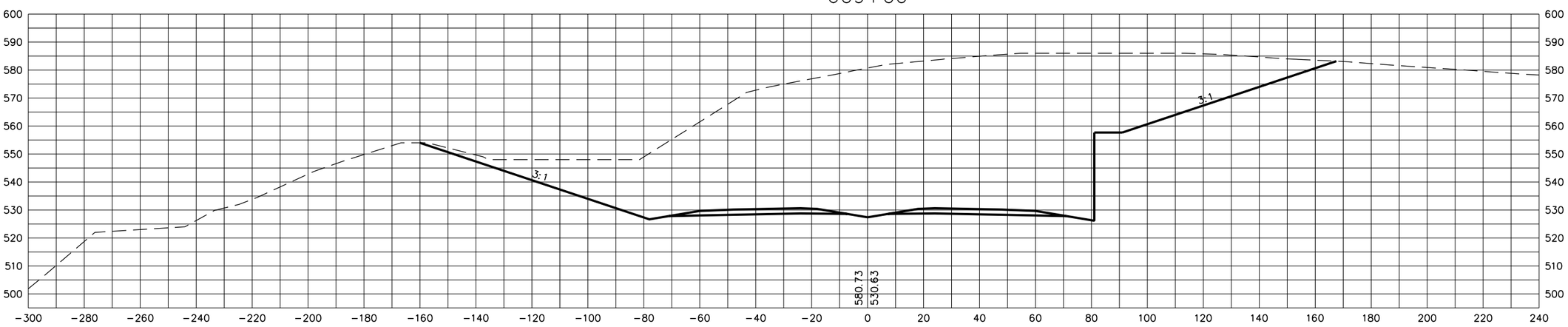
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	376
CONST	2014	36001-3290-14	

609+50



609+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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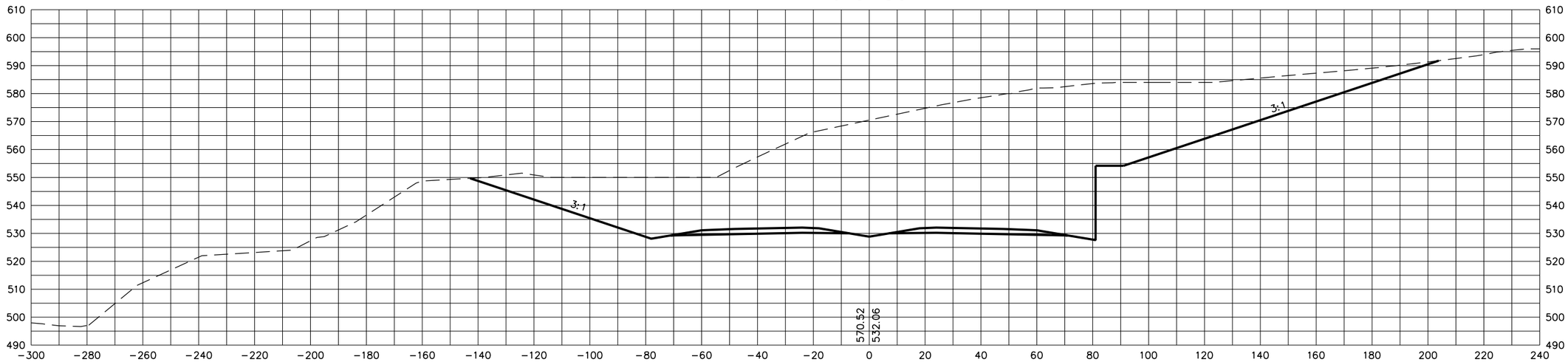
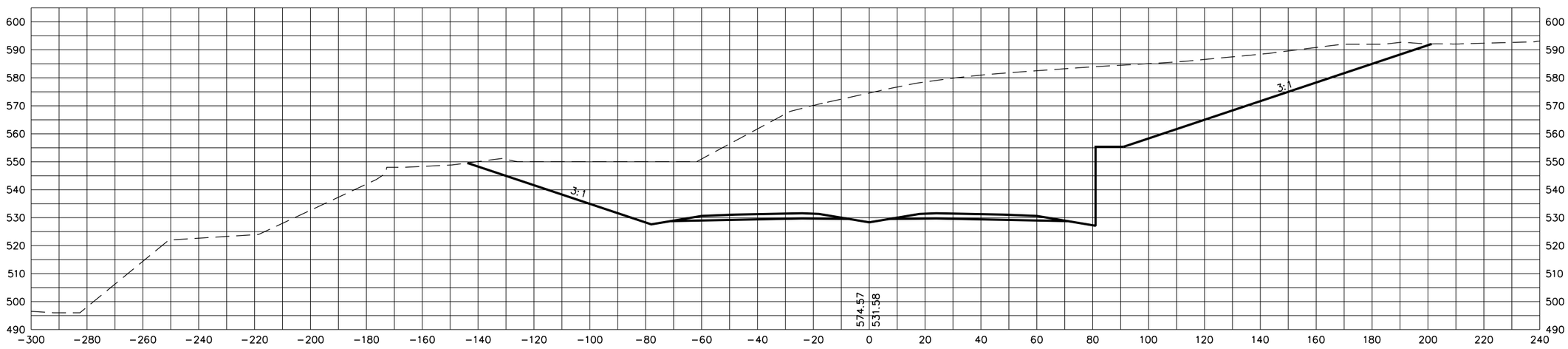
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	377
CONST	2014	36001-3290-14	

610+50



610+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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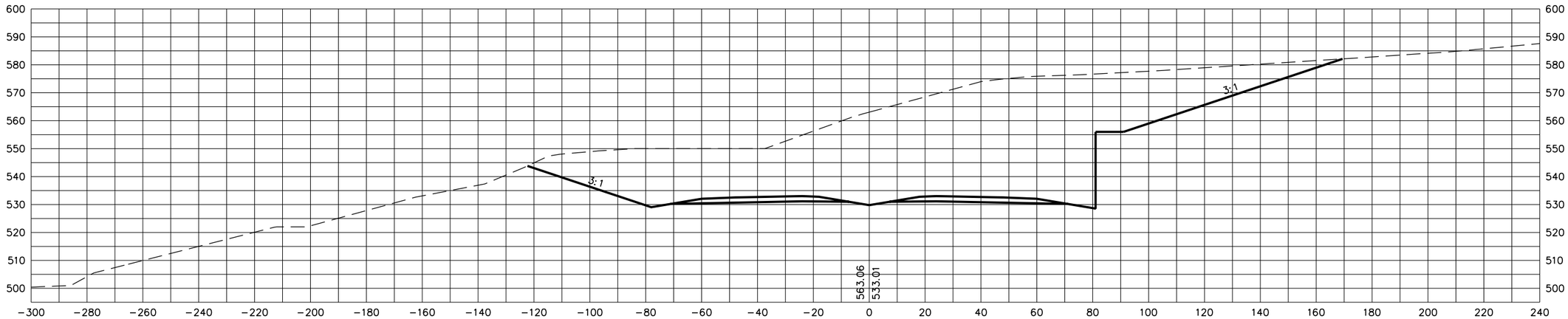
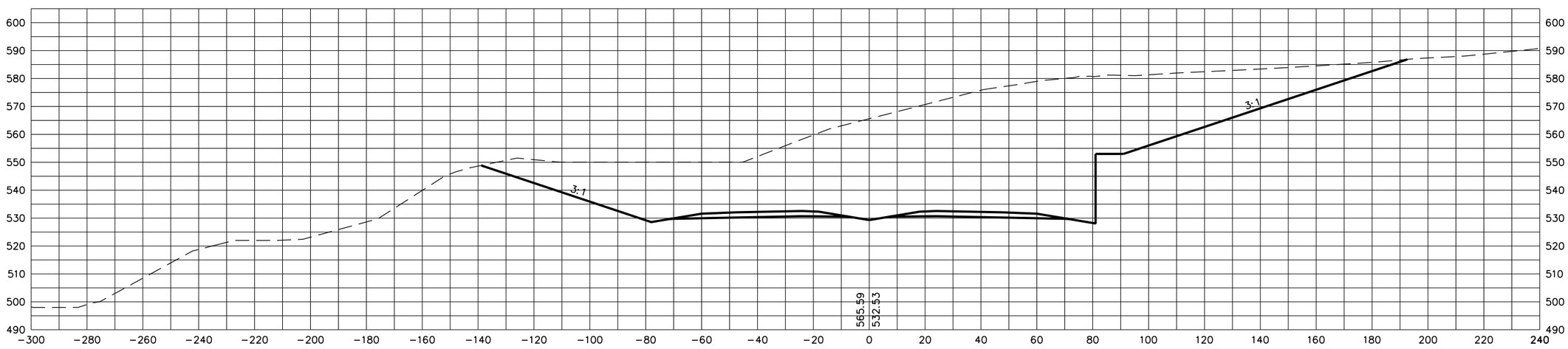
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

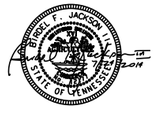
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	378
CONST	2014	36001-3290-14	

611+50



611+00





STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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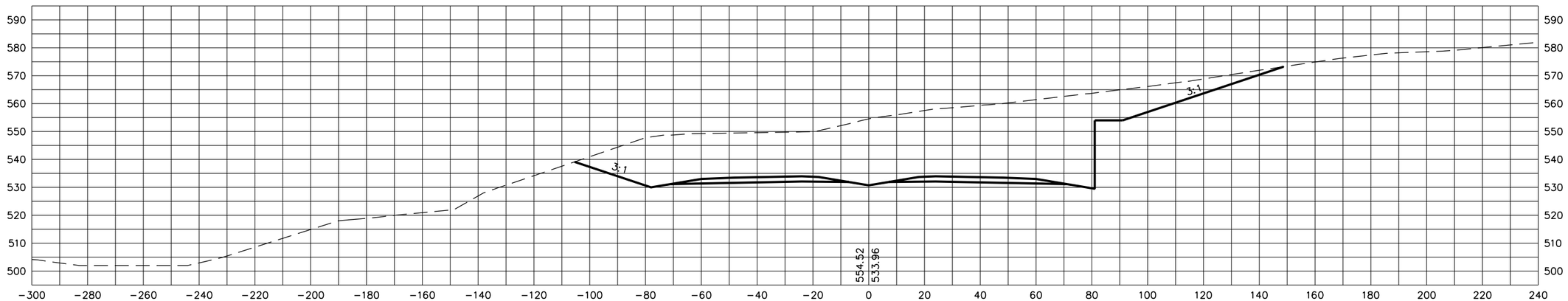
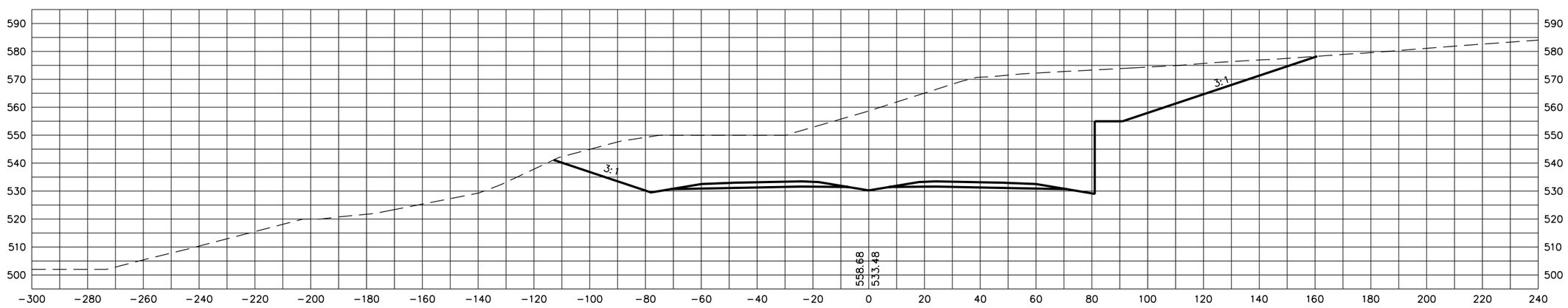
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	379
CONST	2014	36001-3290-14	

612+50



612+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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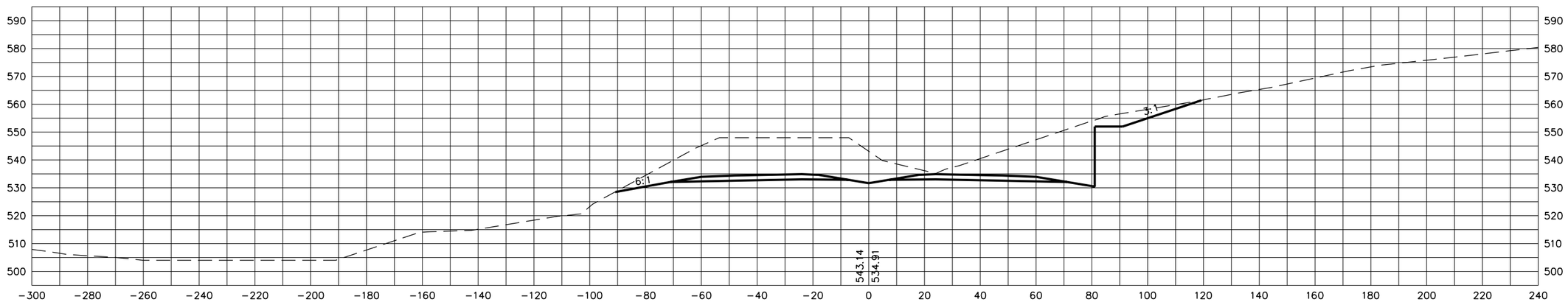
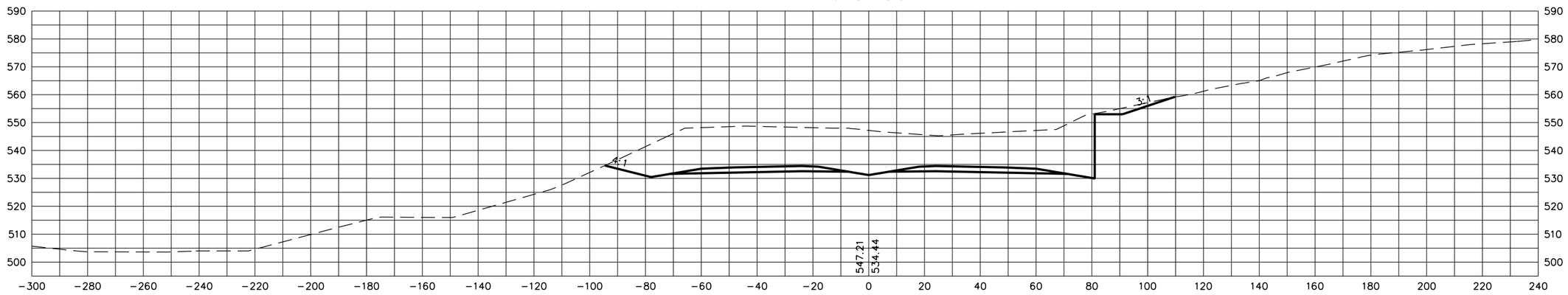
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	380
CONST	2014	36001-3290-14	

613+50



613+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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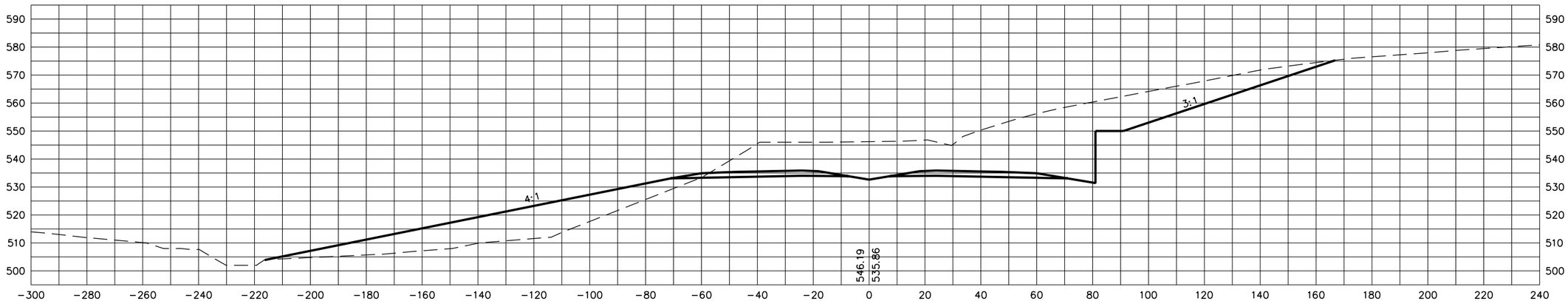
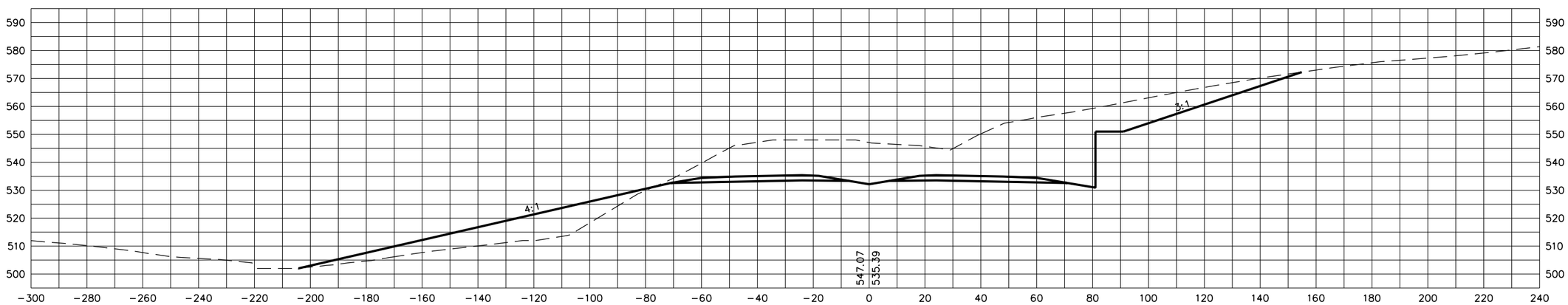
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	381
CONST	2014	36001-3290-14	

614+50



614+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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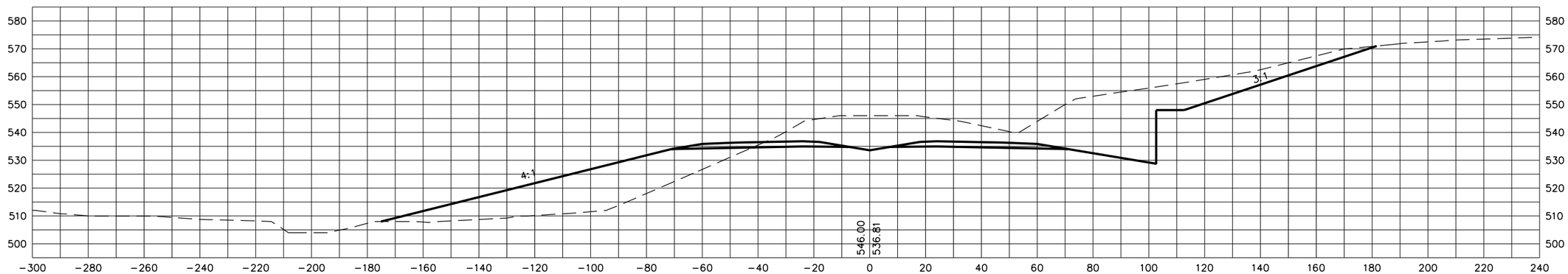
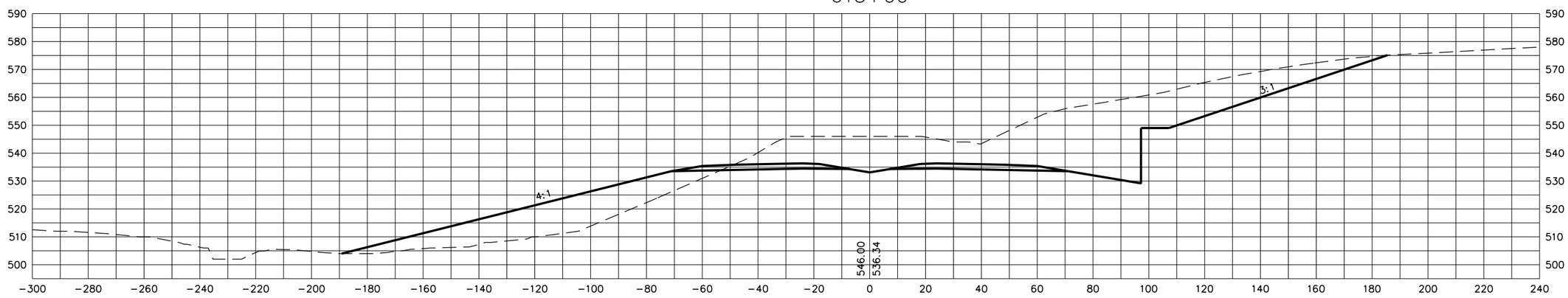
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	382
CONST	2014	36001-3290-14	

615+50



615+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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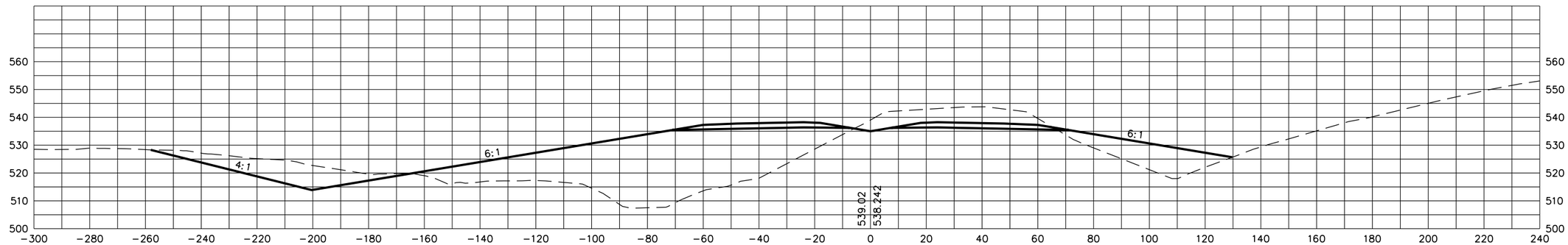
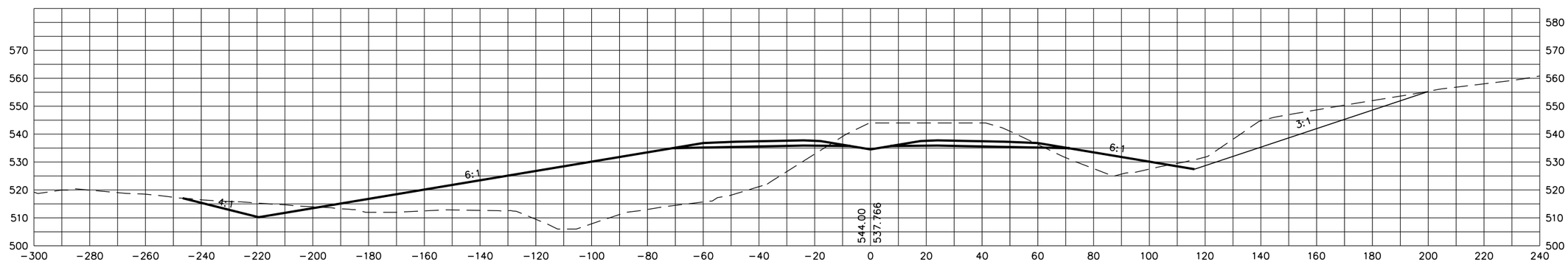
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	383
CONST	2014	36001-3290-14	

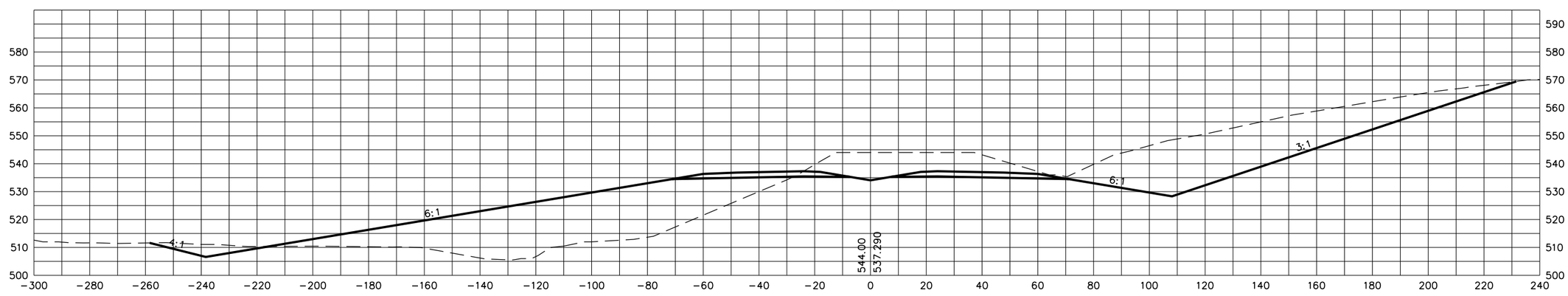
617+00



616+50



616+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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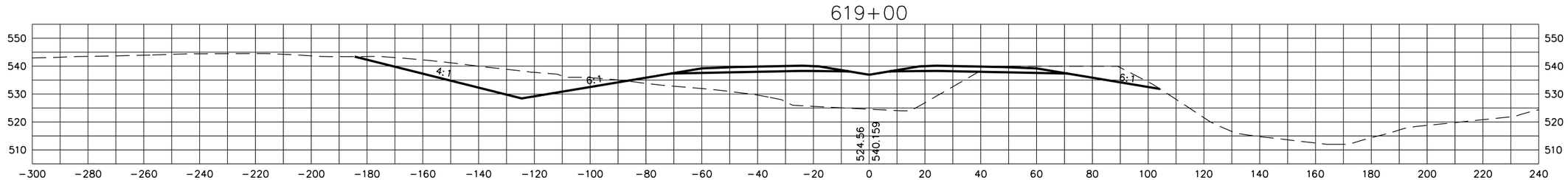
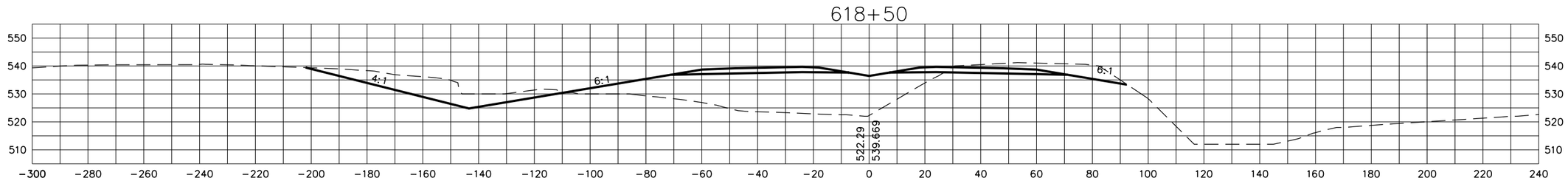
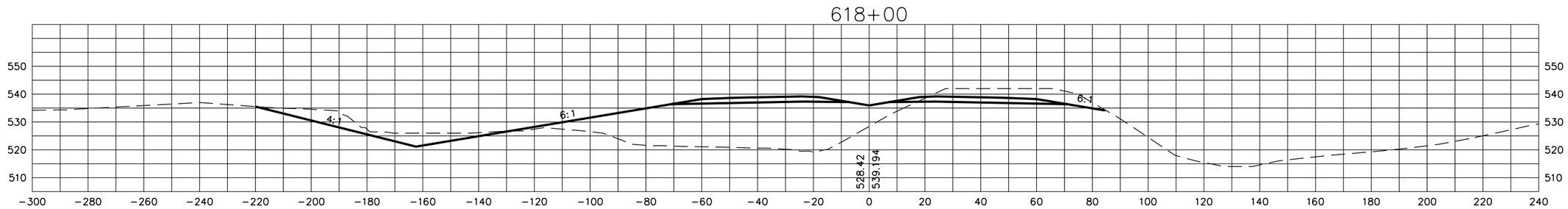
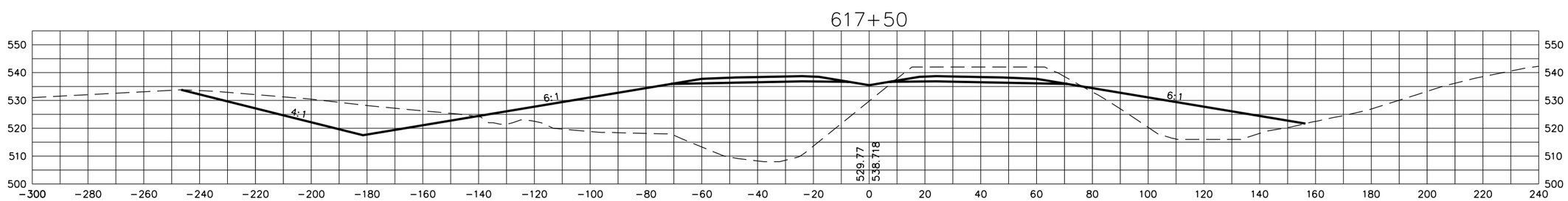
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	384
CONST	2014	36001-3290-14	









STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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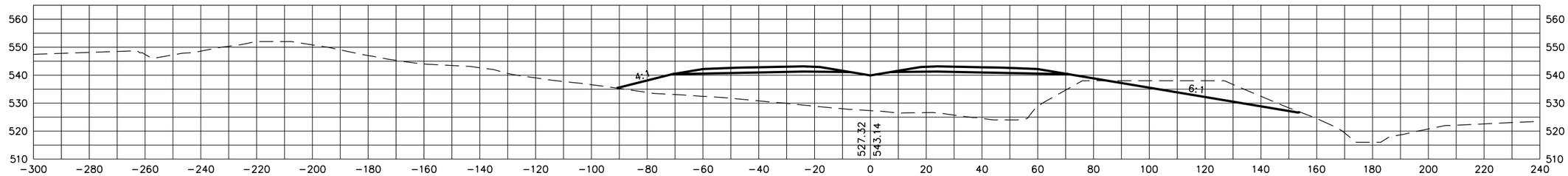
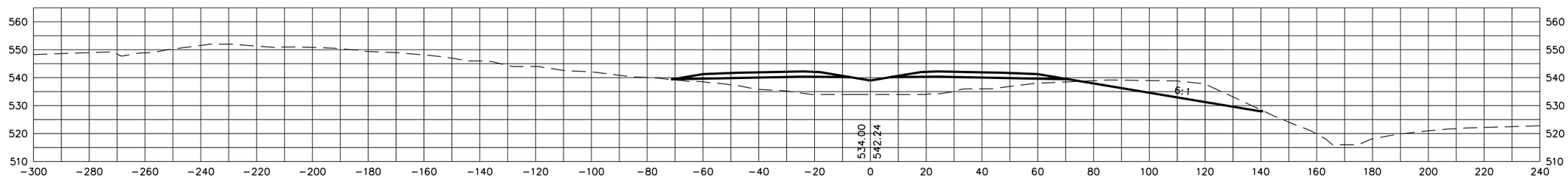
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	385
CONST	2014	36001-3290-14	

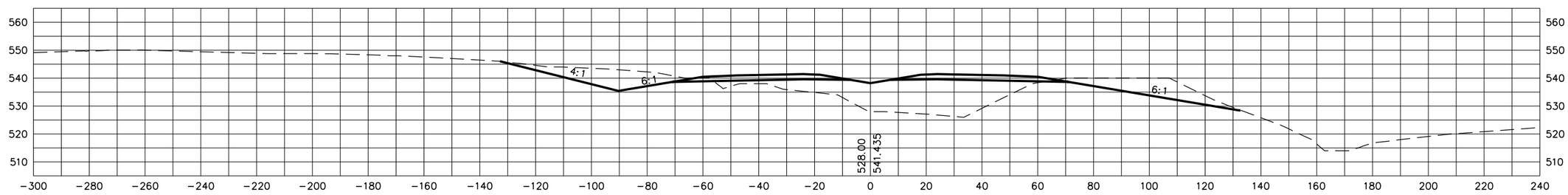
621+00



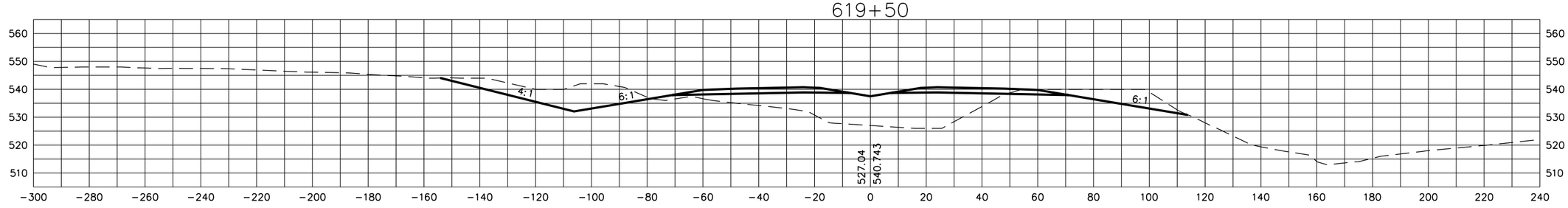
620+50



620+00



619+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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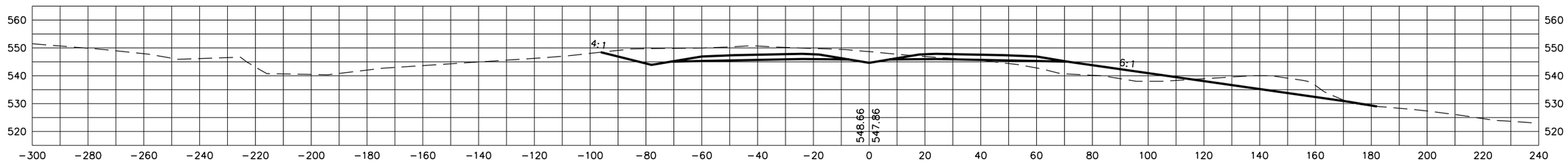
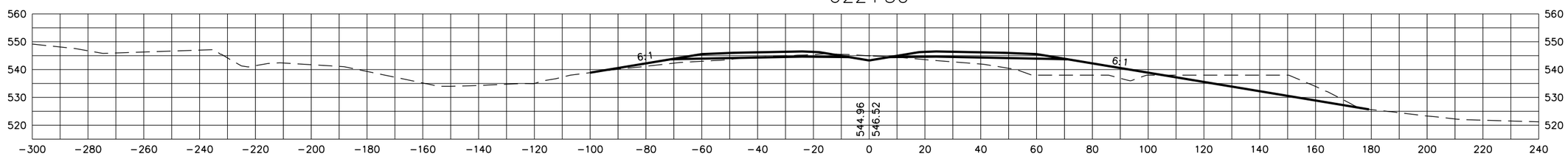
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	386
CONST	2014	36001-3290-14	

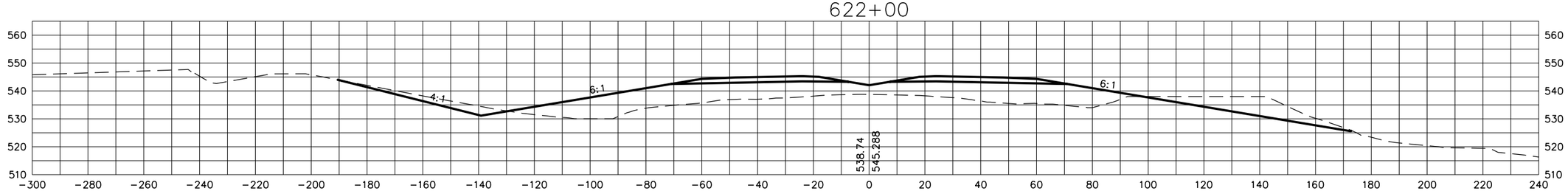
623+00



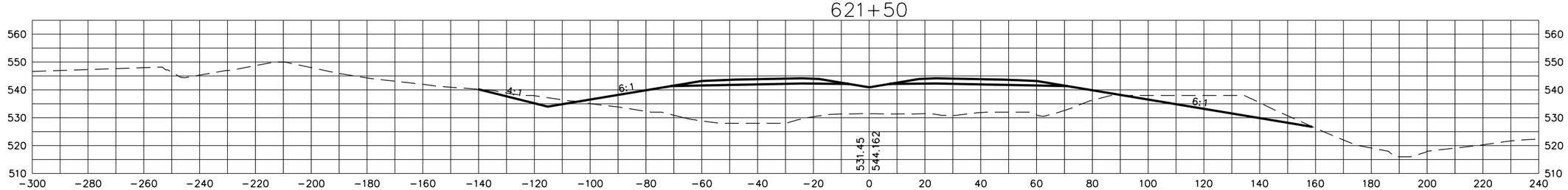
622+50



622+00



621+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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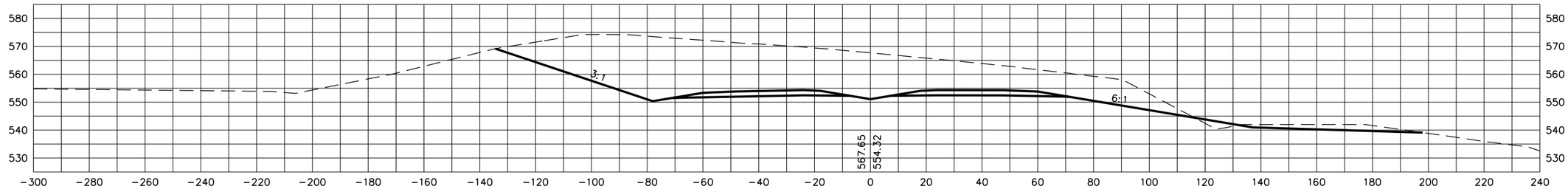
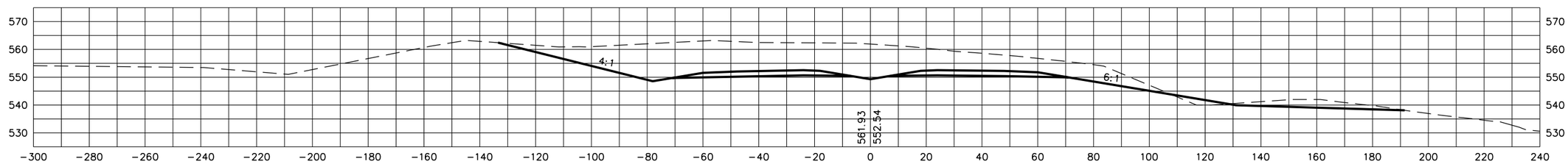
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	387
CONST	2014	36001-3290-14	

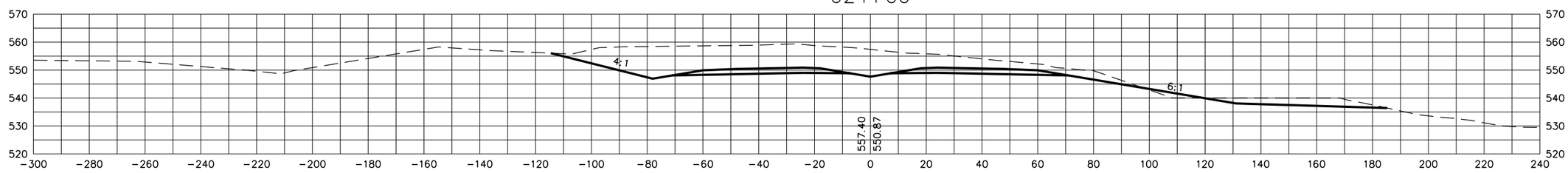
625+00



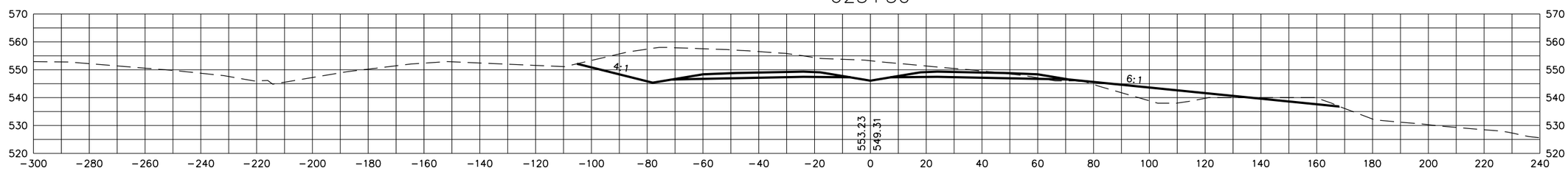
624+50



624+00



623+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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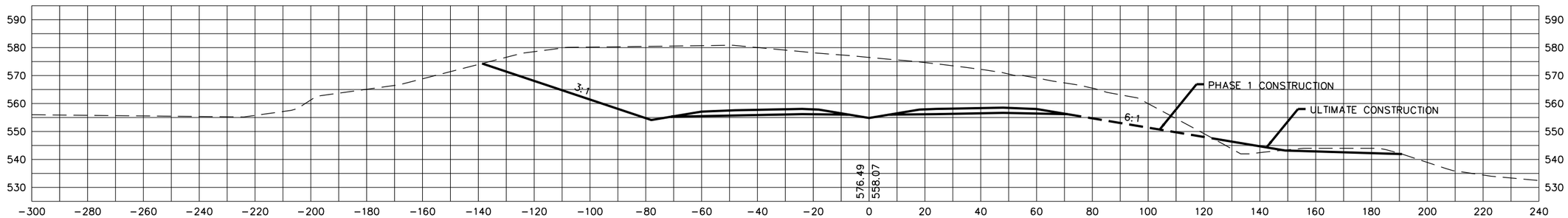
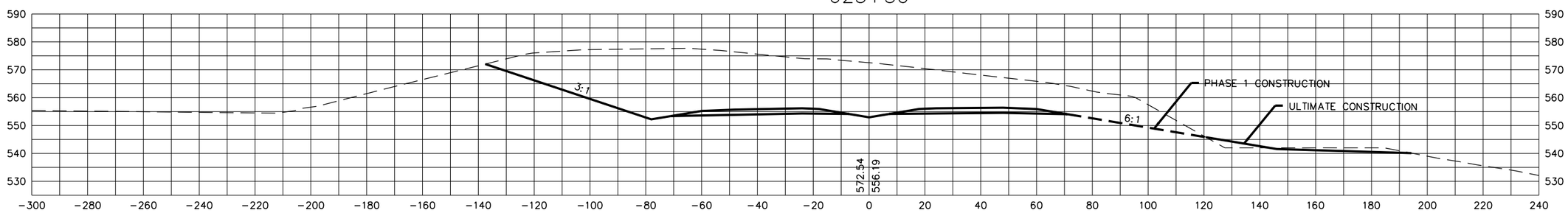
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	388
CONST	2014	36001-3290-14	

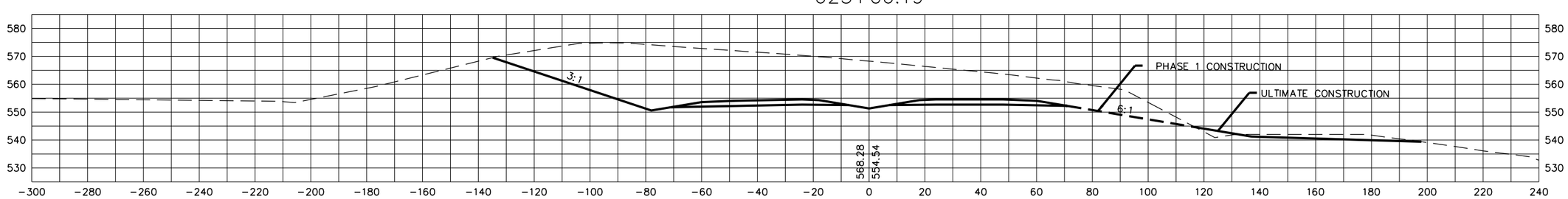
626+00



625+50



625+06.19



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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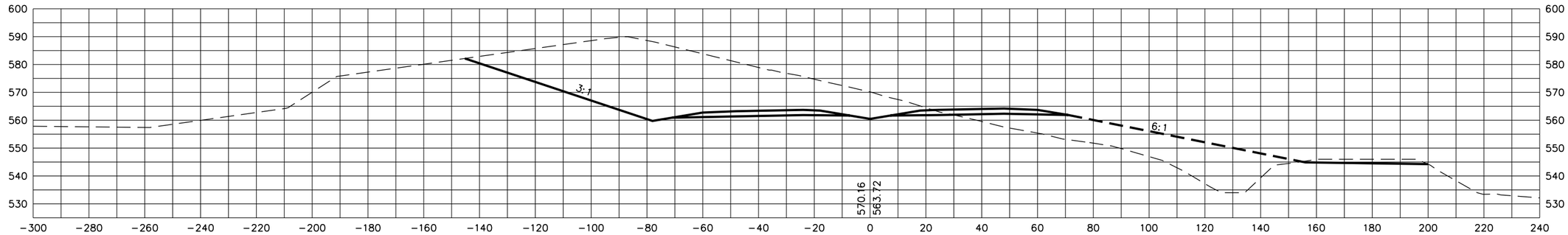
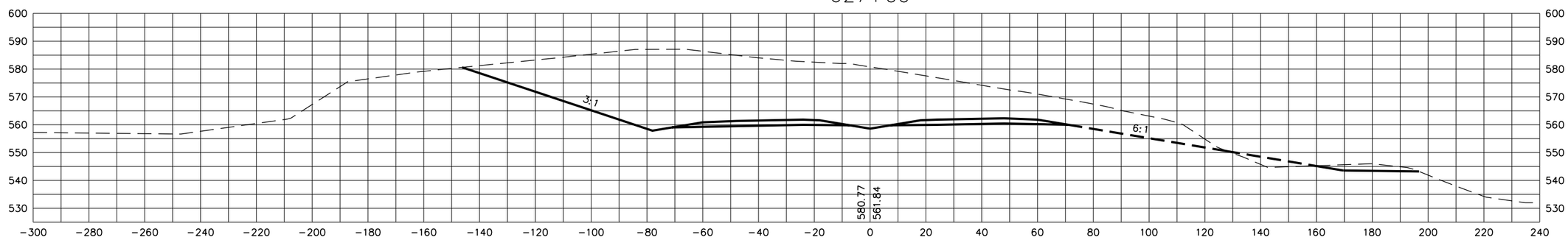
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	389
CONST	2014	36001-3290-14	

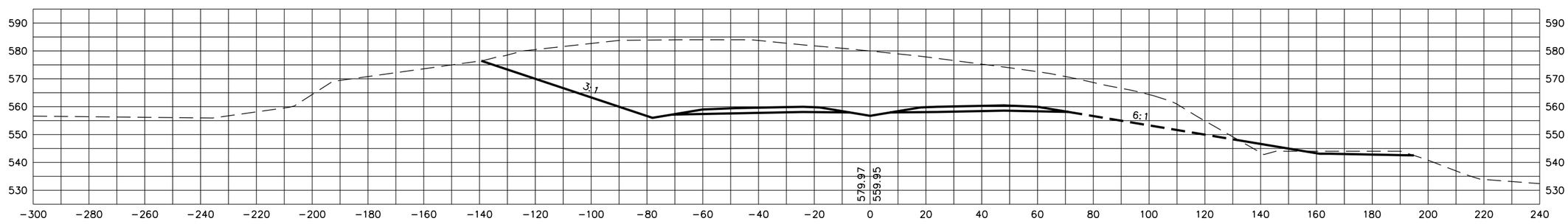
627+50



627+00



626+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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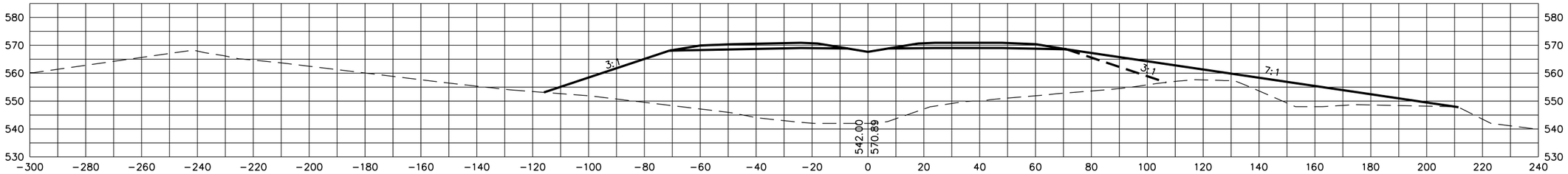
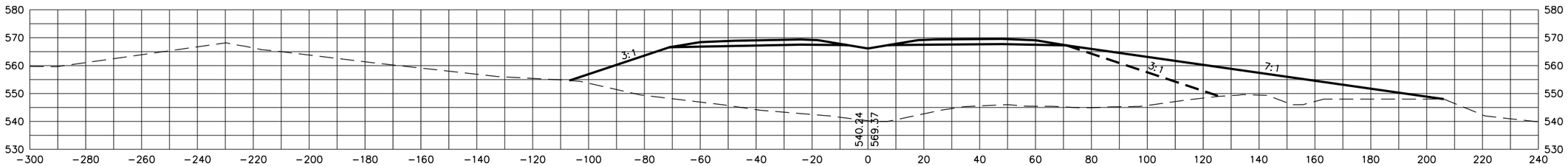
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	390
CONST	2014	36001-3290-14	

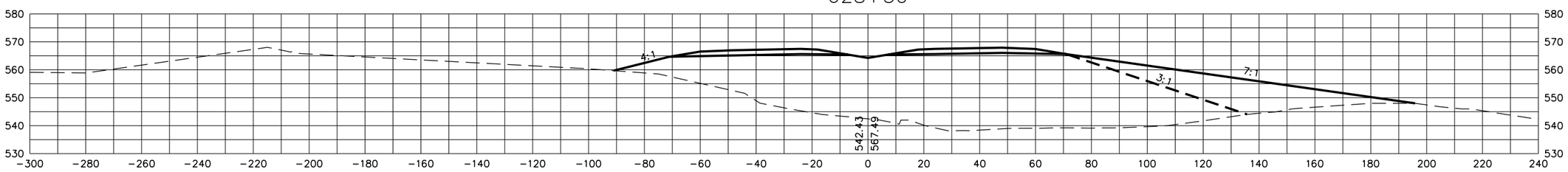
629+40.23



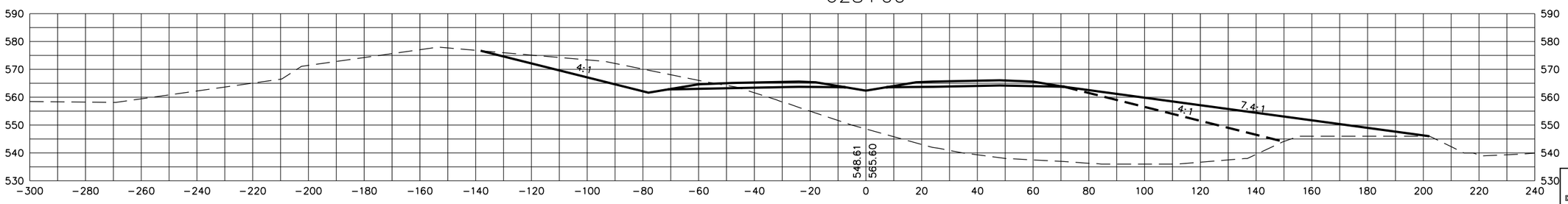
629+00



628+50



628+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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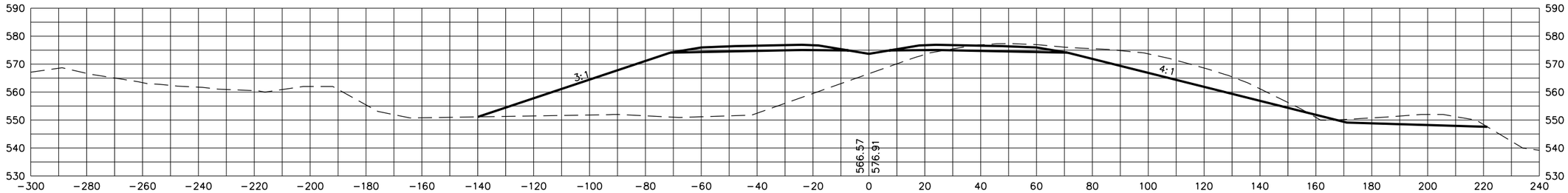
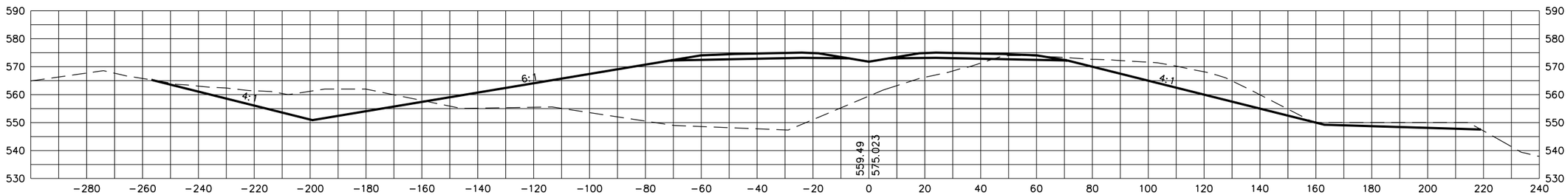
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	391
CONST	2014	36001-3290-14	

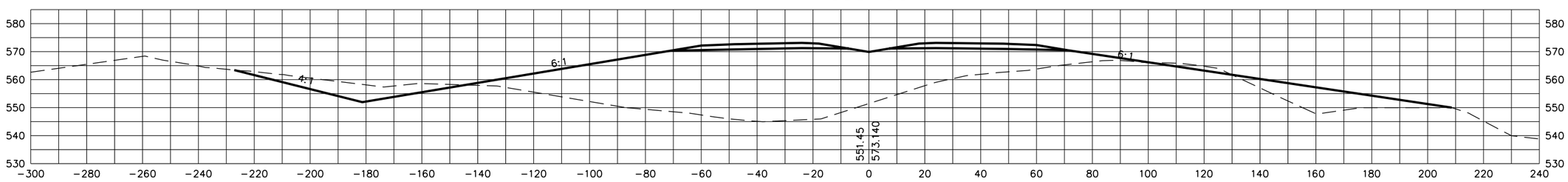
631+00



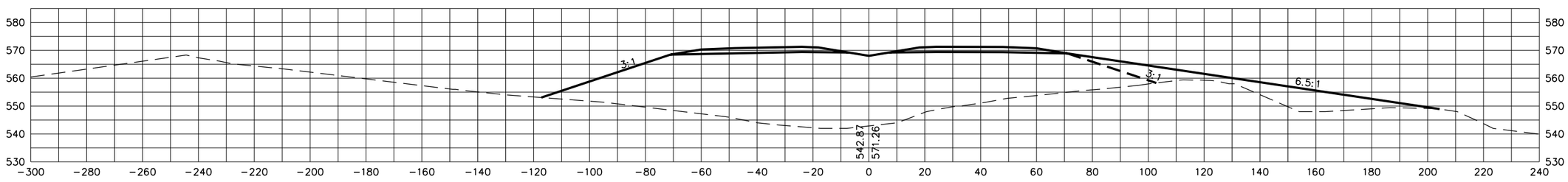
630+50



630+00



629+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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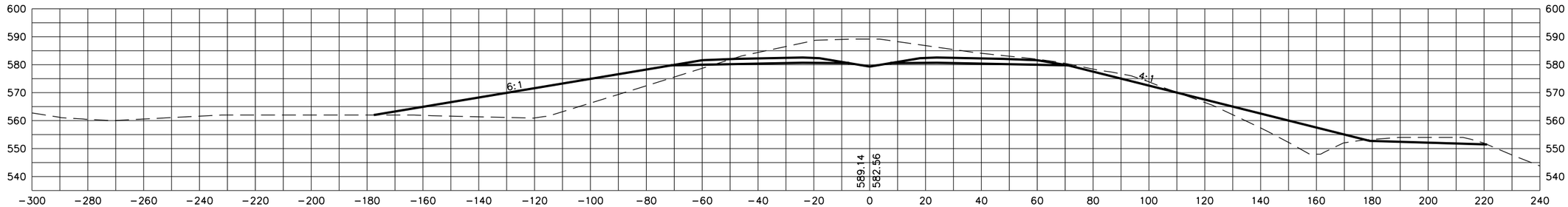
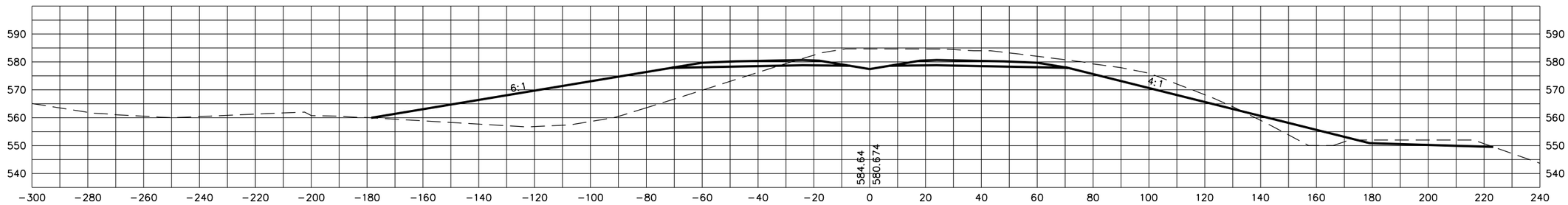
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	392
CONST	2014	36001-3290-14	

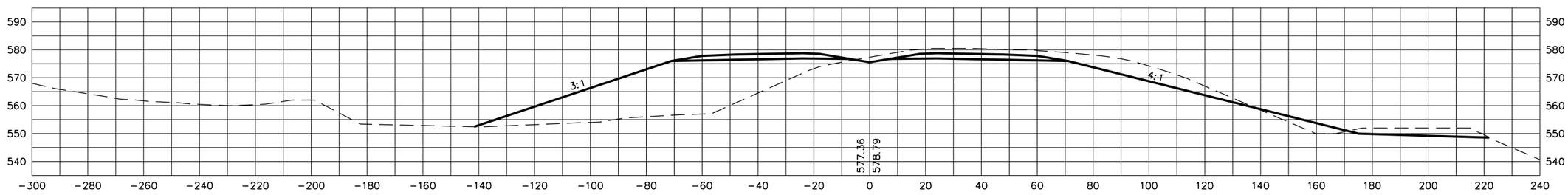
632+50



632+00



631+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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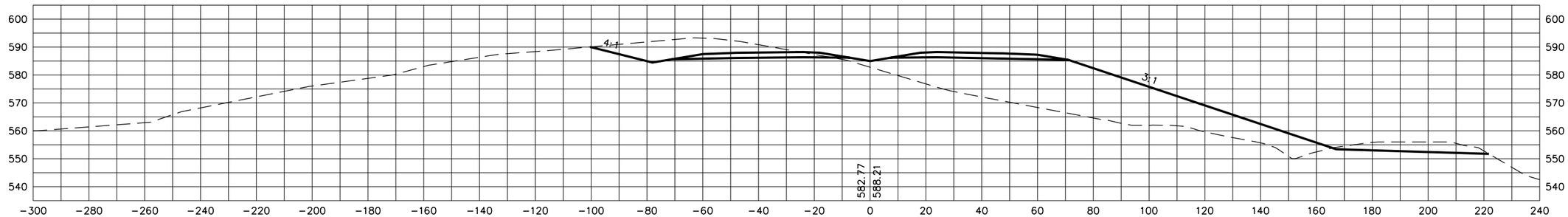
C:\BEYONDSITES ENGINEERING\2011\1005BEJ-Parker1099\DESIGN\main_xsxns_SR15.dgn

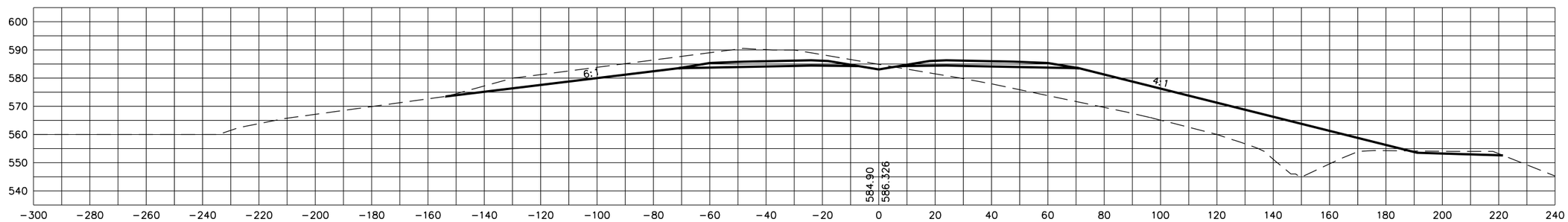
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	393
CONST	2014	36001-3290-14	

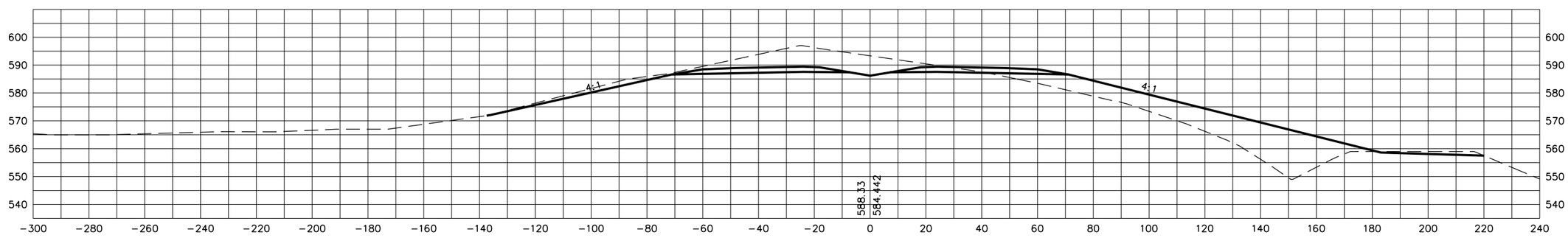
634+00



633+50



633+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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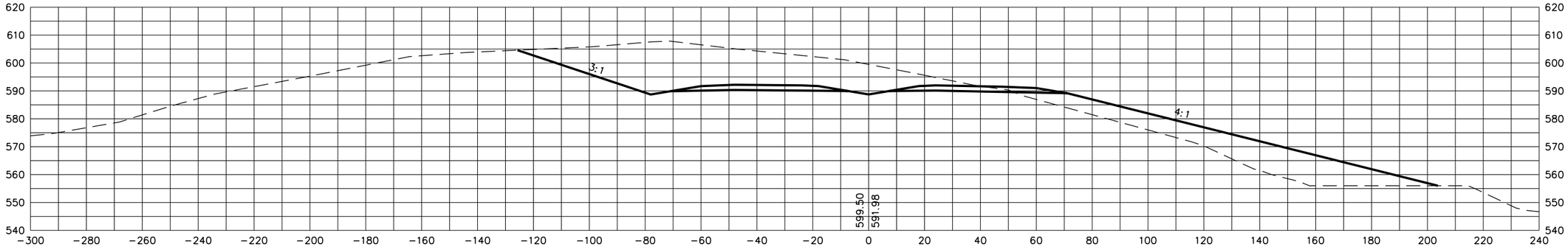
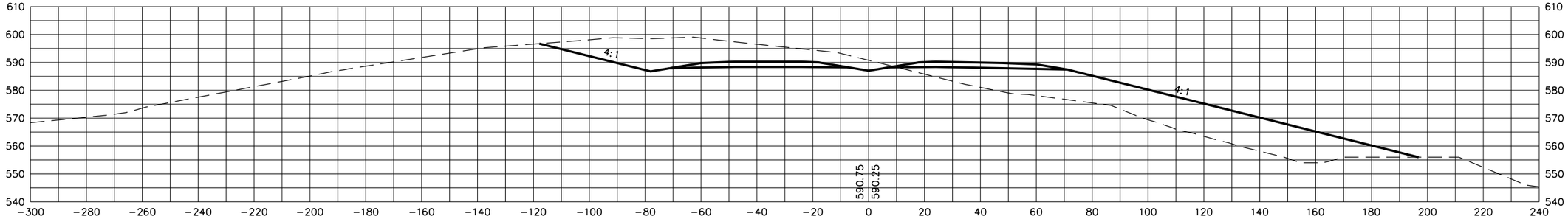
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	394
CONST	2014	36001-3290-14	

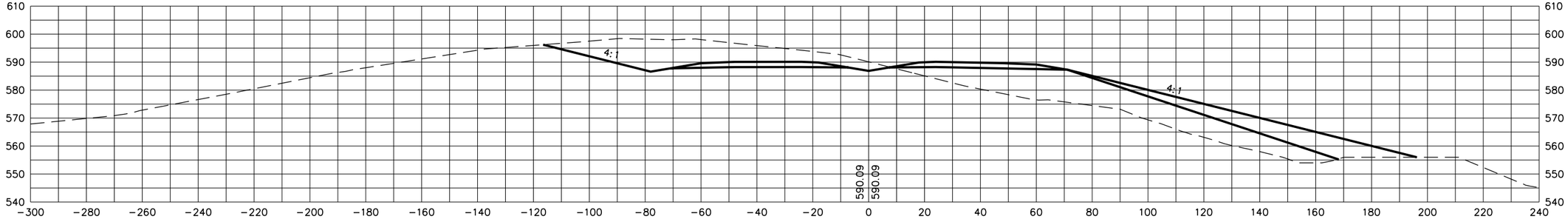
635+00



634+54.14



634+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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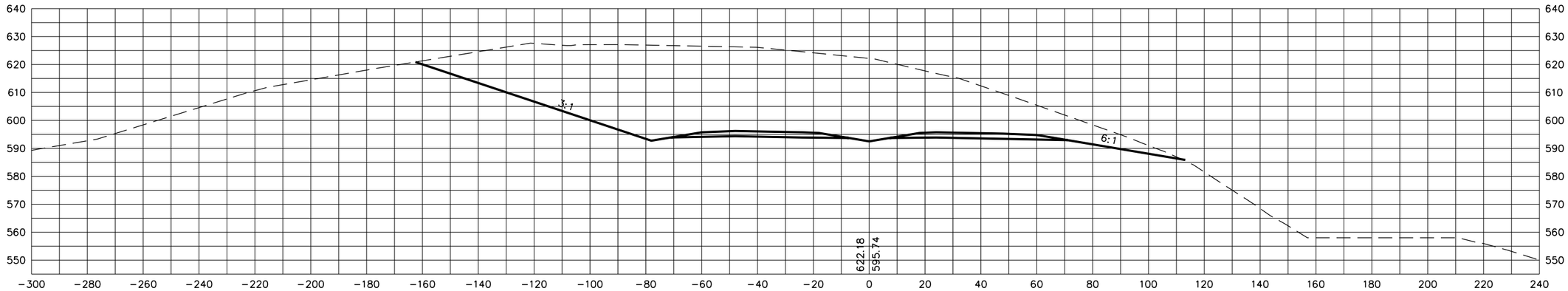
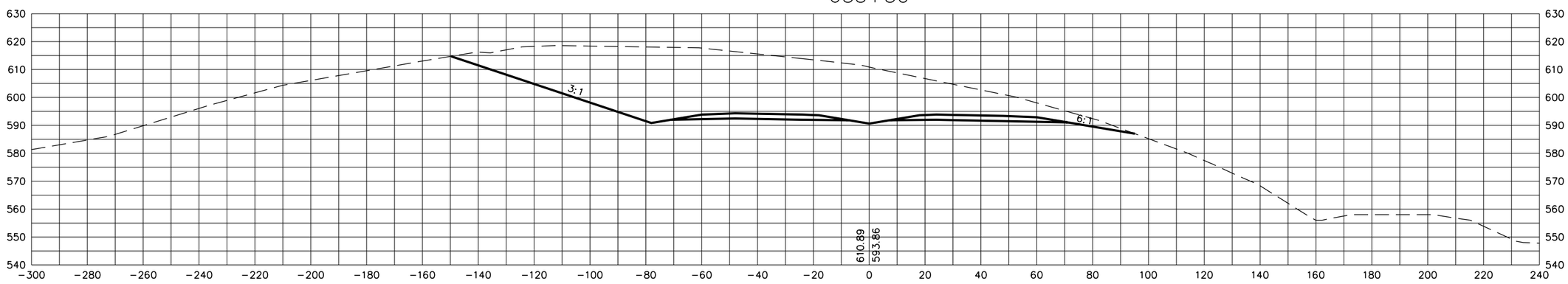
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	395
CONST	2014	36001-3290-14	

636+00



635+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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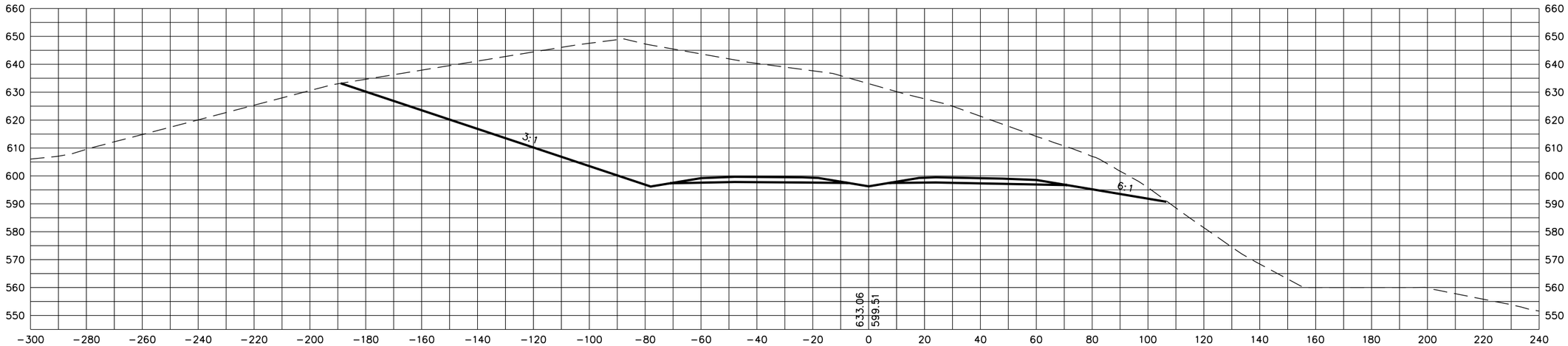
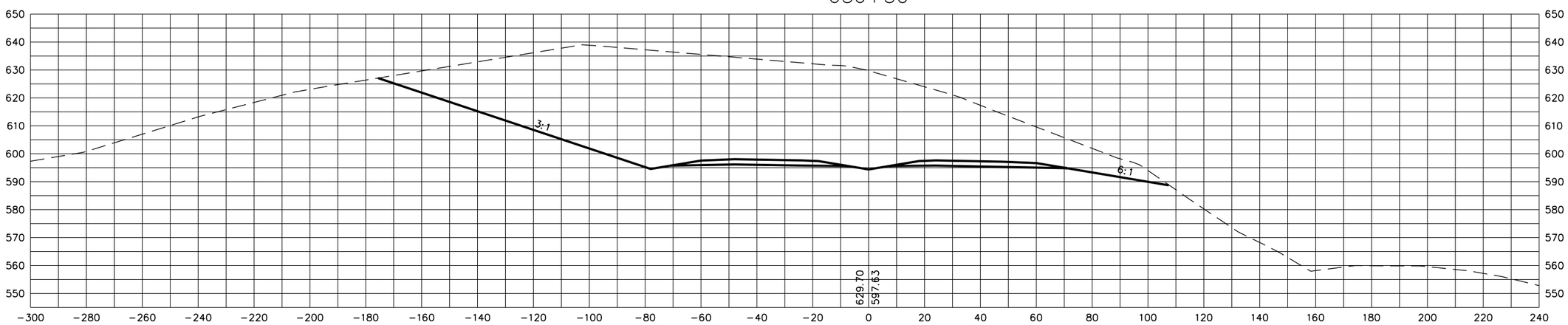
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	396
CONST	2014	36001-3290-14	

637+00



636+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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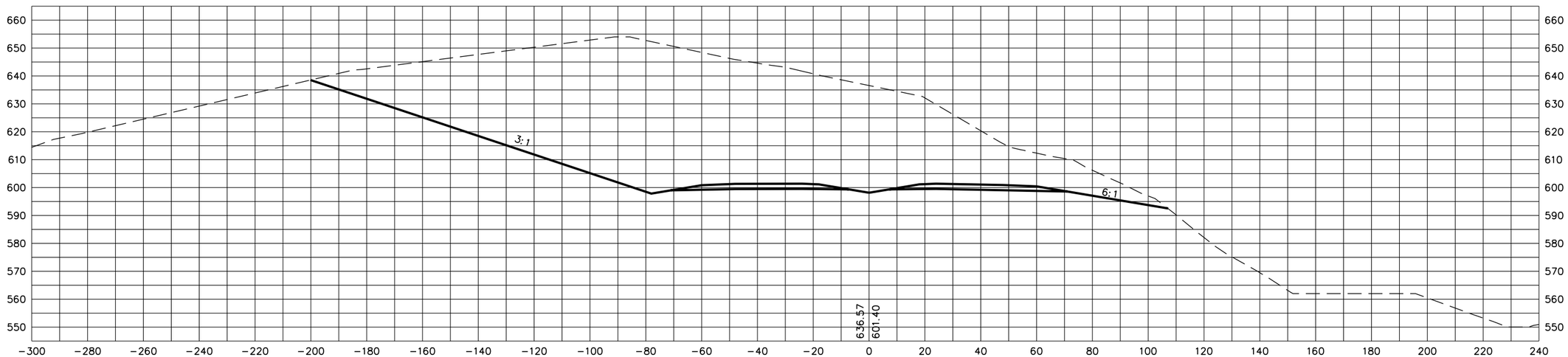
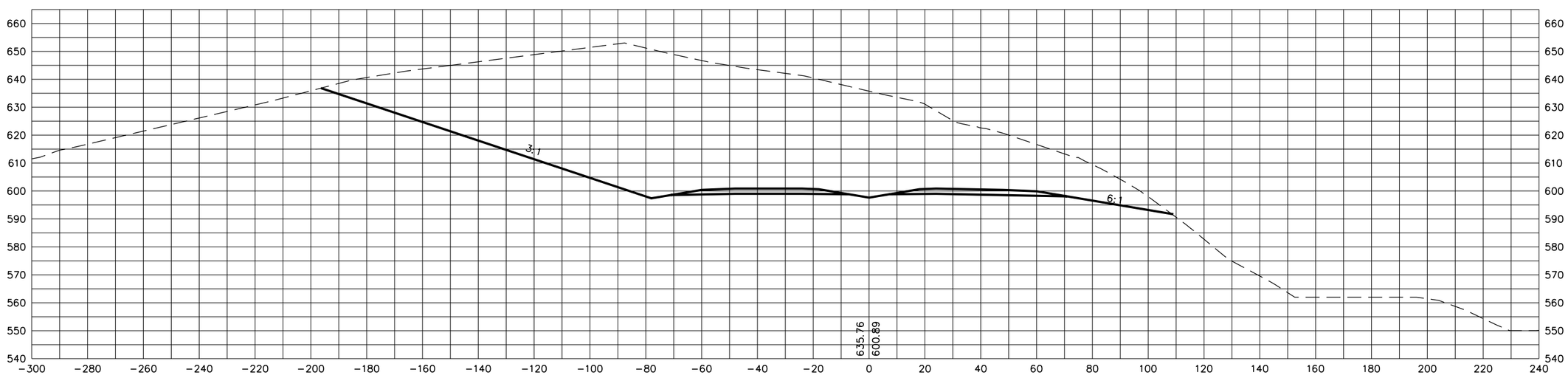
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	397
CONST	2014	36001-3290-14	

637+50



637+36.46



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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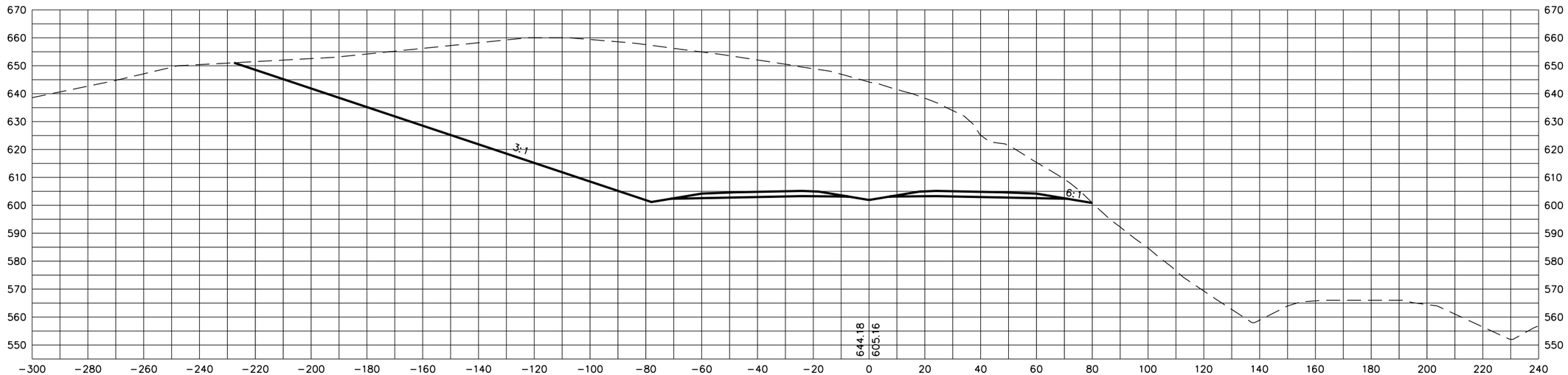
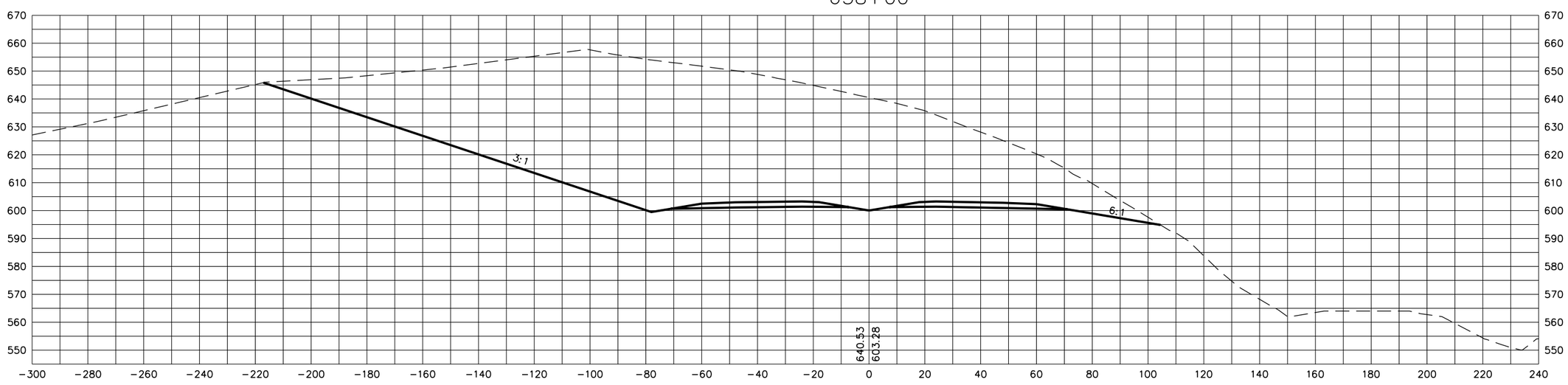
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	398
CONST	2014	36001-3290-14	

638+50



638+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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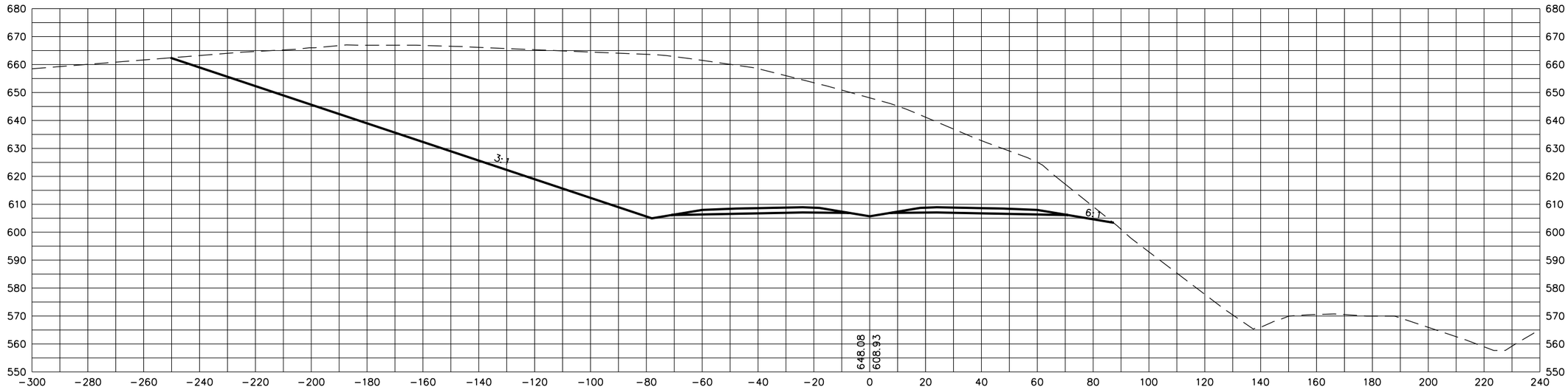
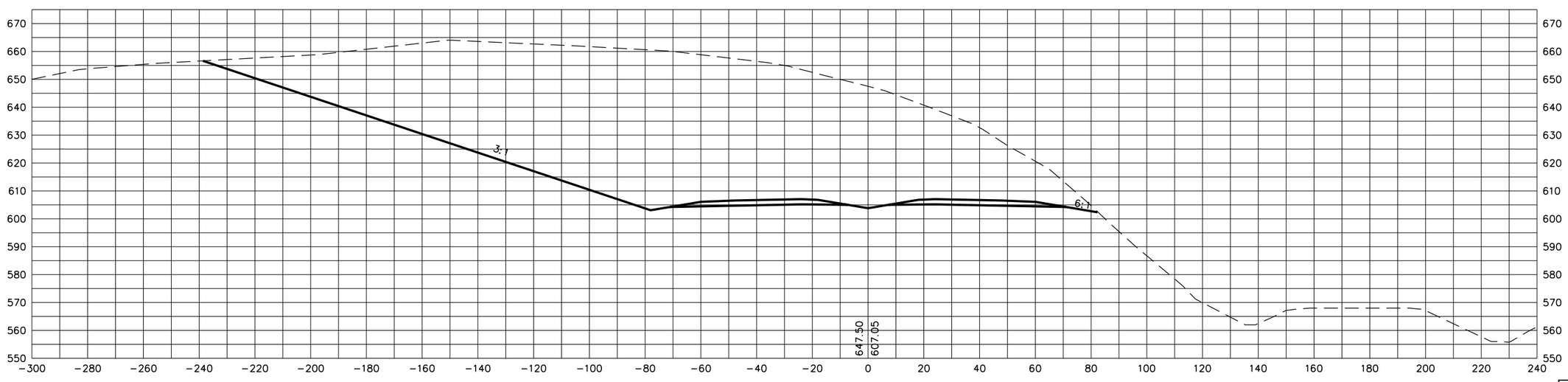
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	399
CONST	2014	36001-3290-14	

639+50



639+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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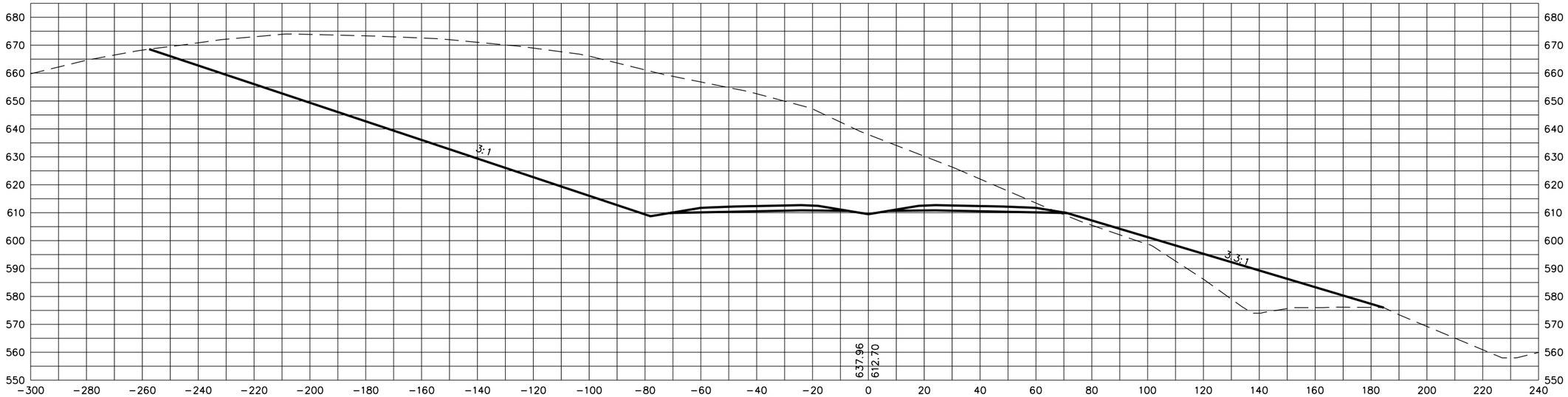
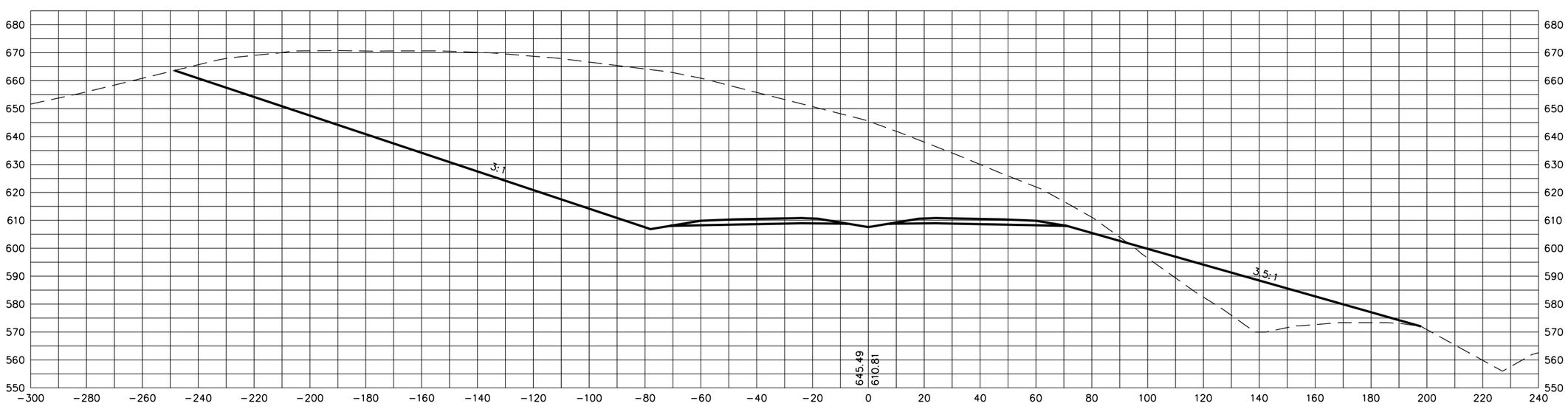
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	400
CONST	2014	36001-3290-14	

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

640+50



640+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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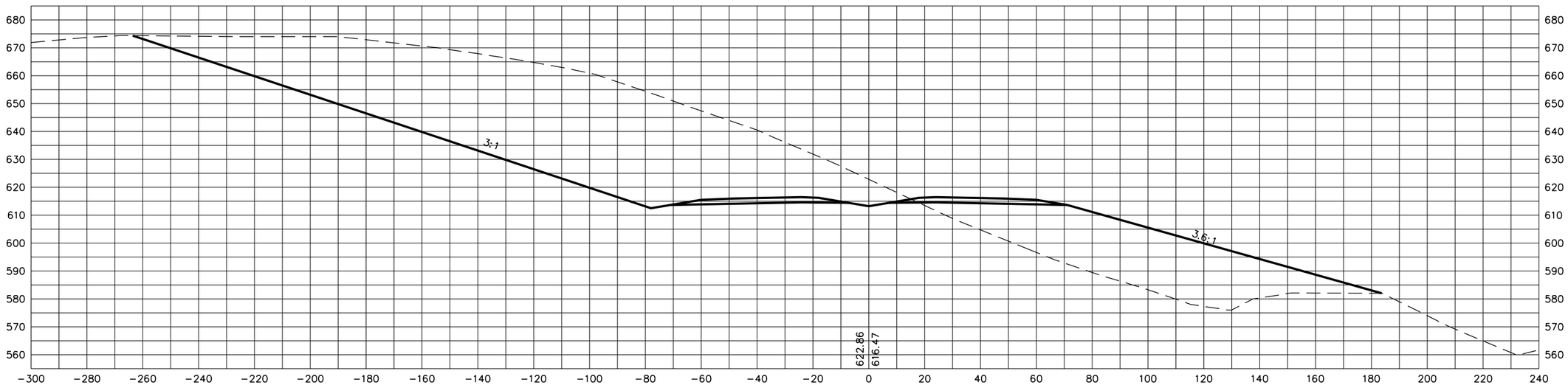
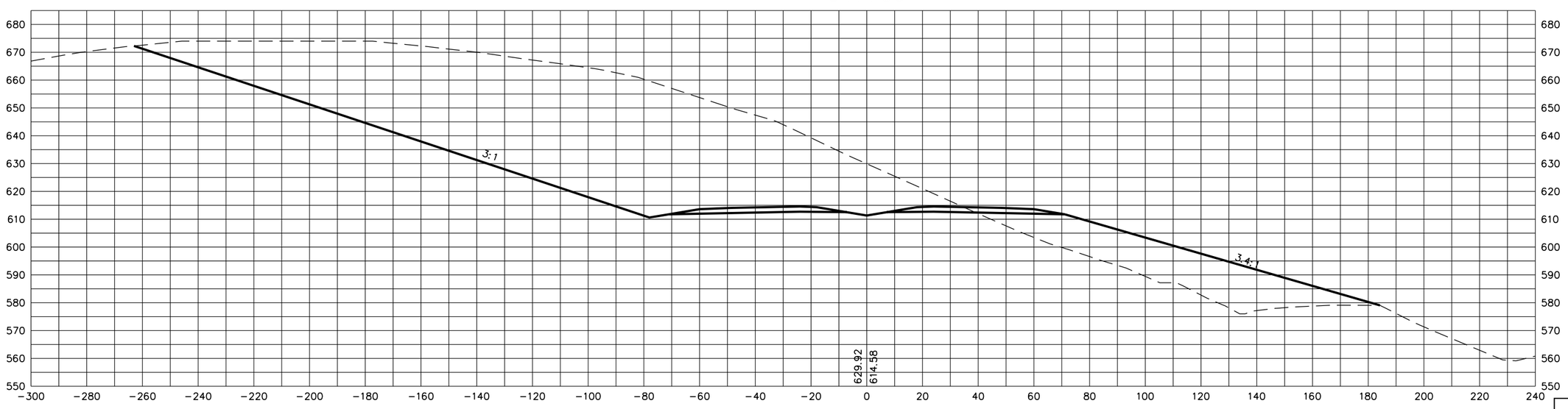
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	401
CONST	2014	36001-3290-14	

641+50



641+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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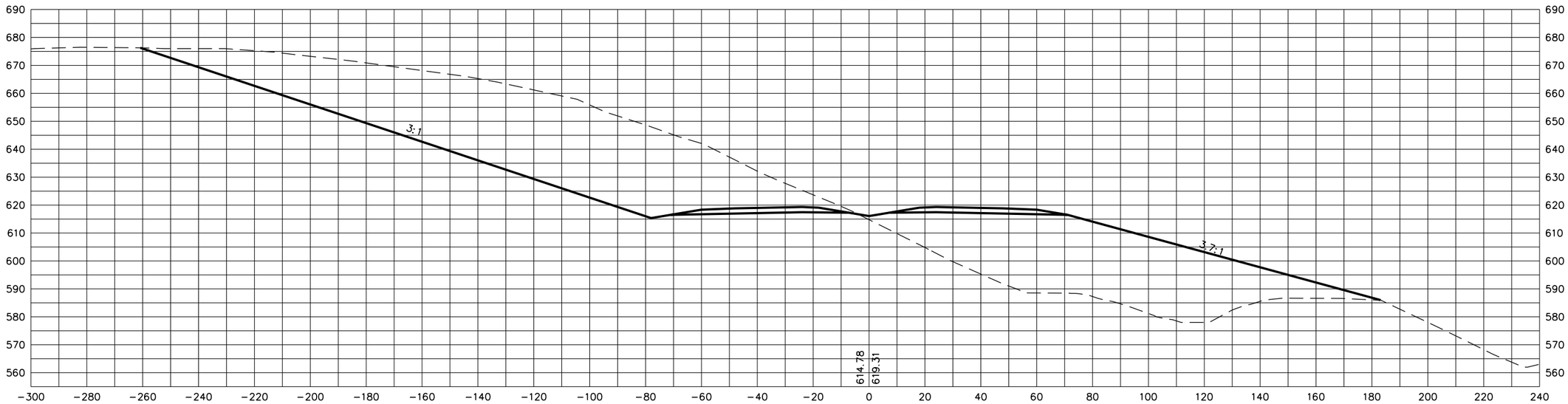
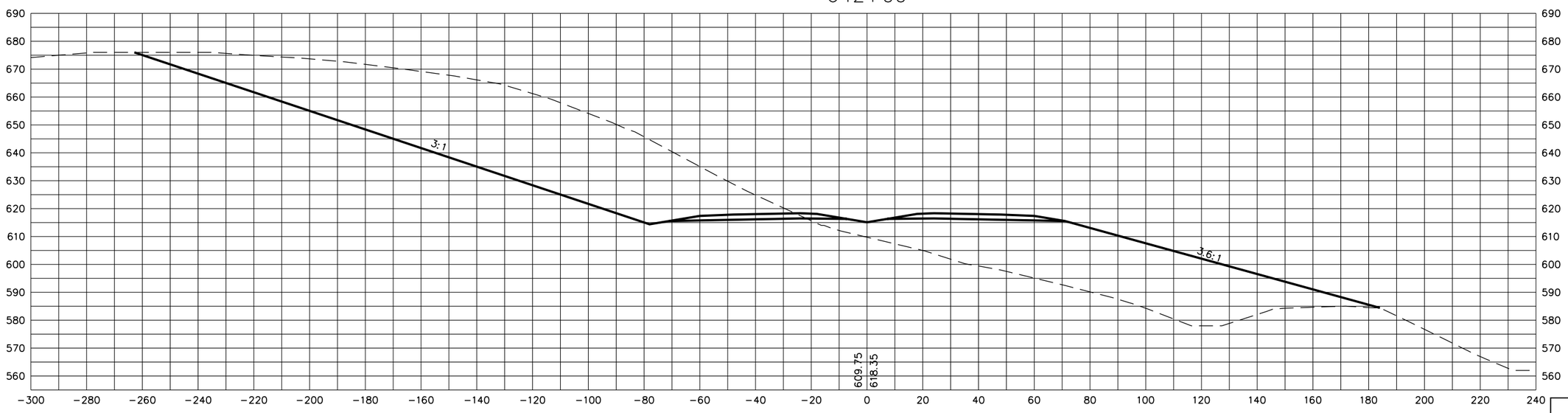
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	402
CONST	2014	36001-3290-14	

642+25.56



642+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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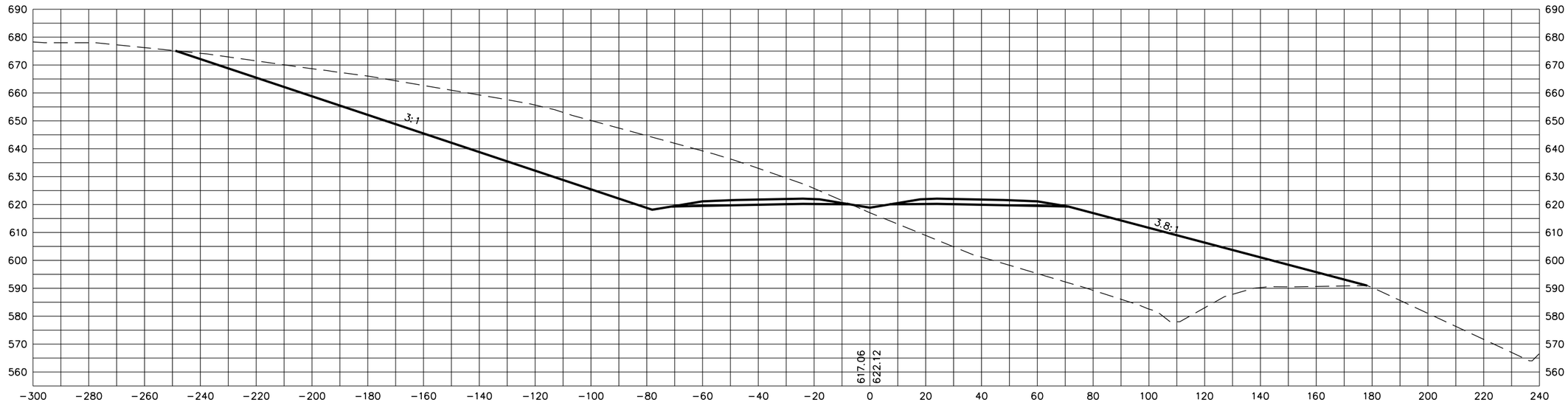
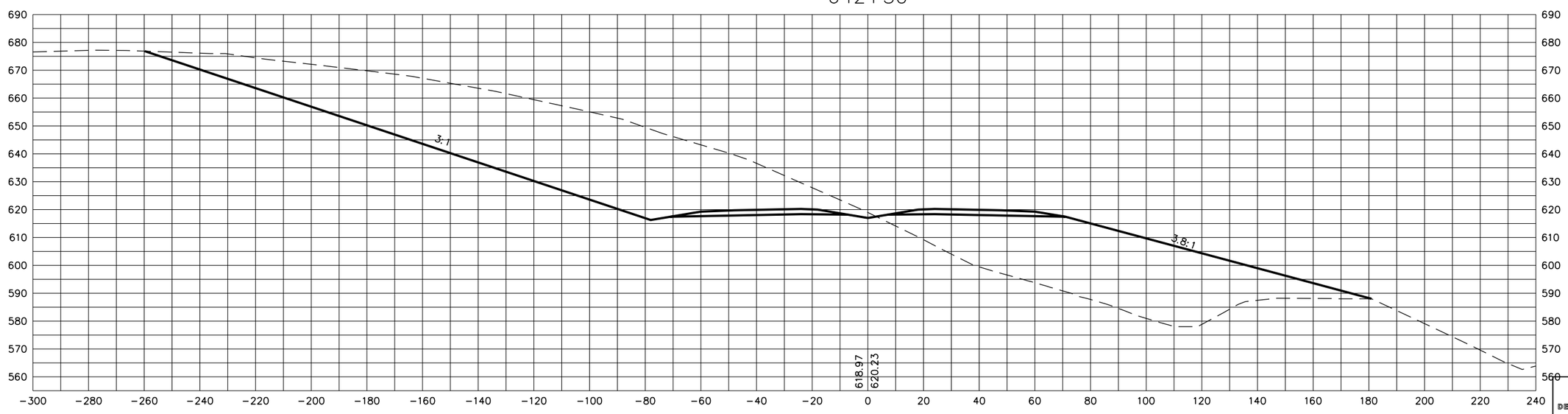
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	403
CONST	2014	36001-3290-14	

643+00



642+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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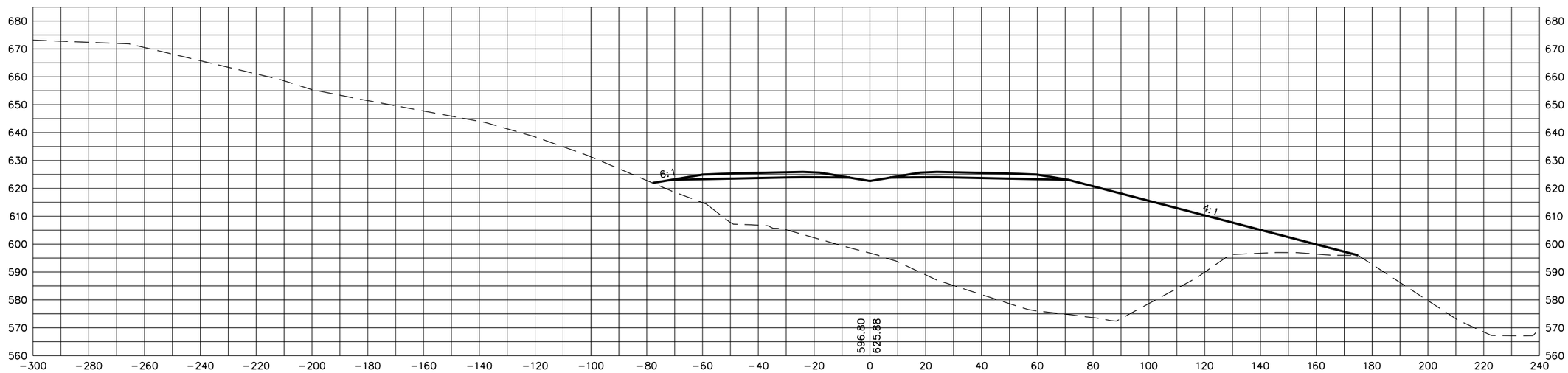
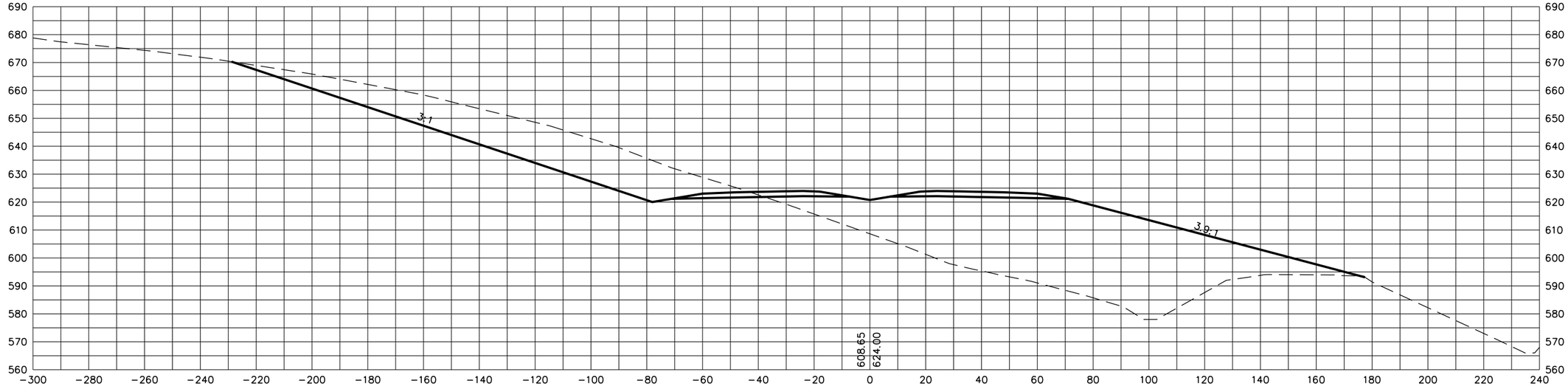
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	404
CONST	2014	36001-3290-14	

644+00



643+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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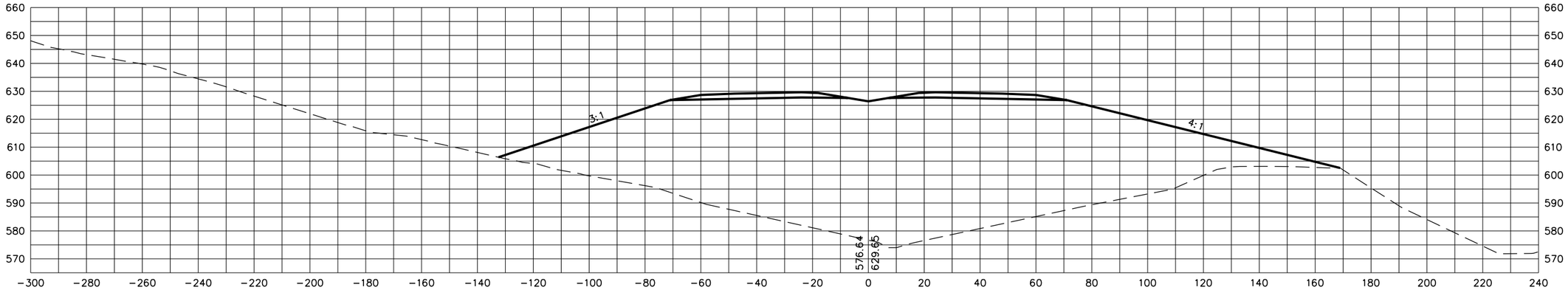
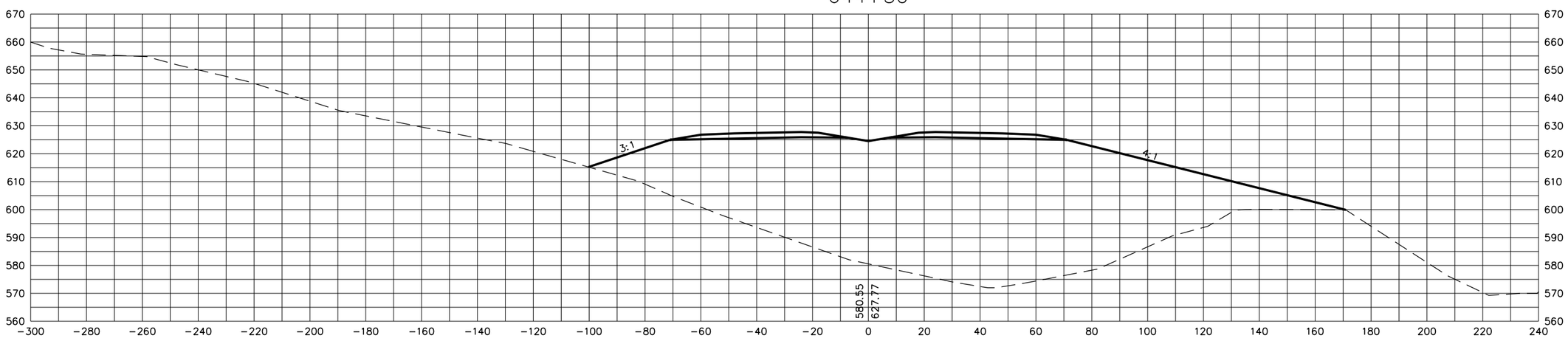
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	405
CONST	2014	36001-3290-14	

645+00



644+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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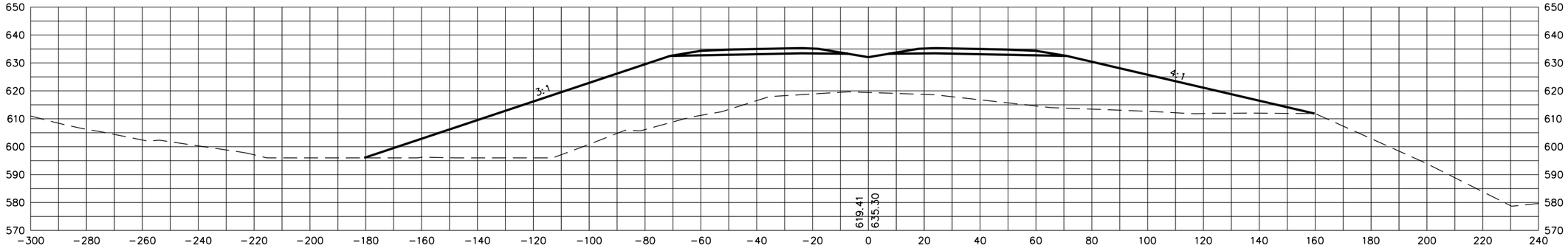
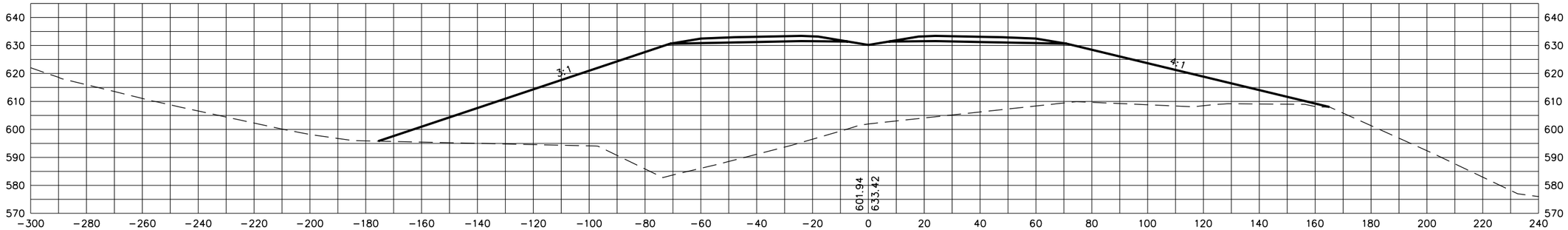
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	406
CONST	2014	36001-3290-14	

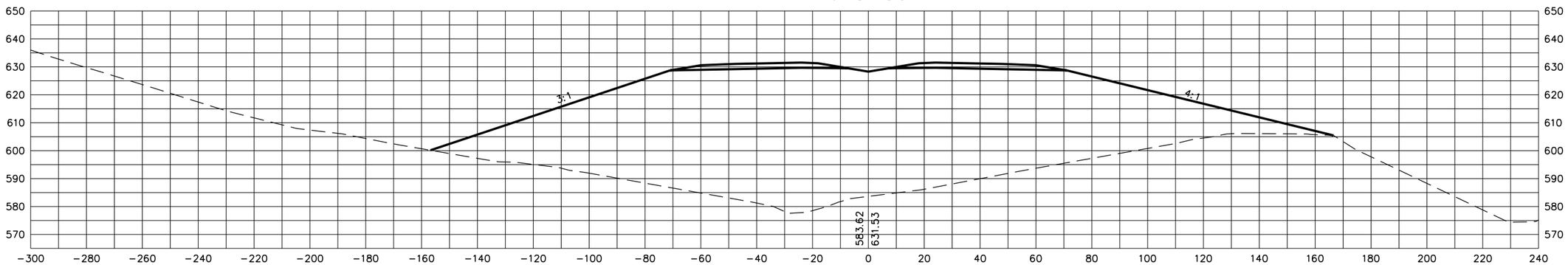
646+50



646+00



645+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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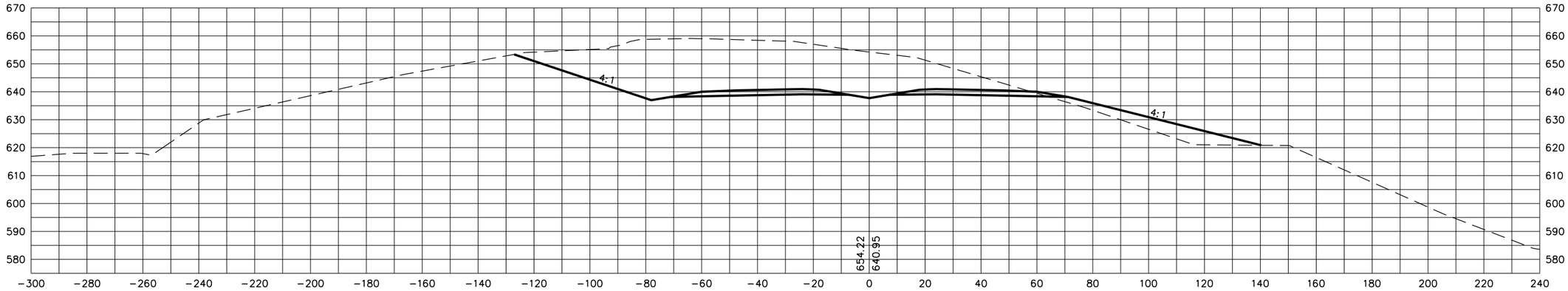
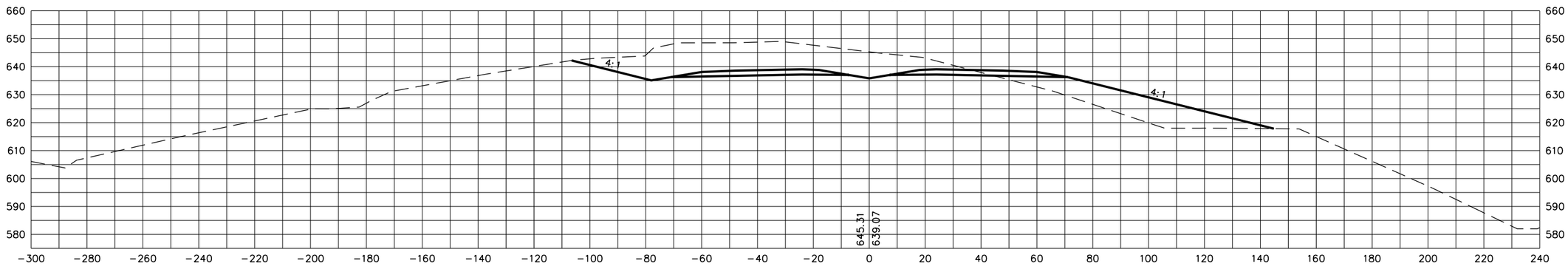
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	407
CONST	2014	36001-3290-14	

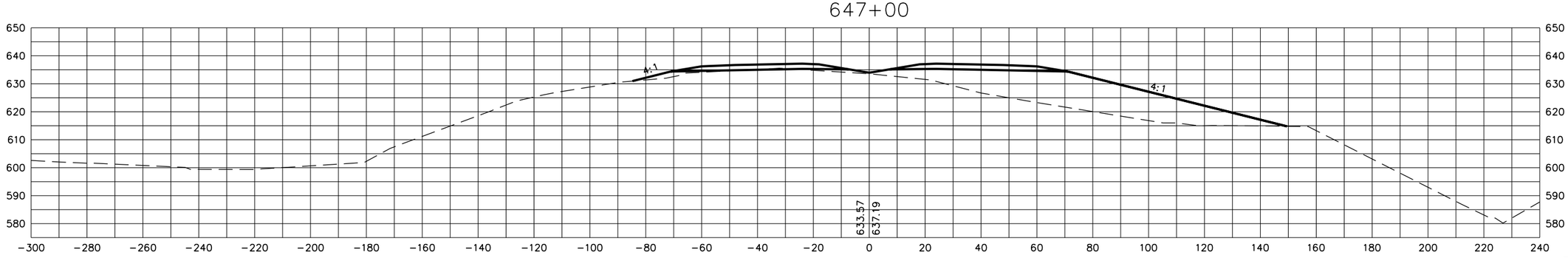
648+00



647+50



647+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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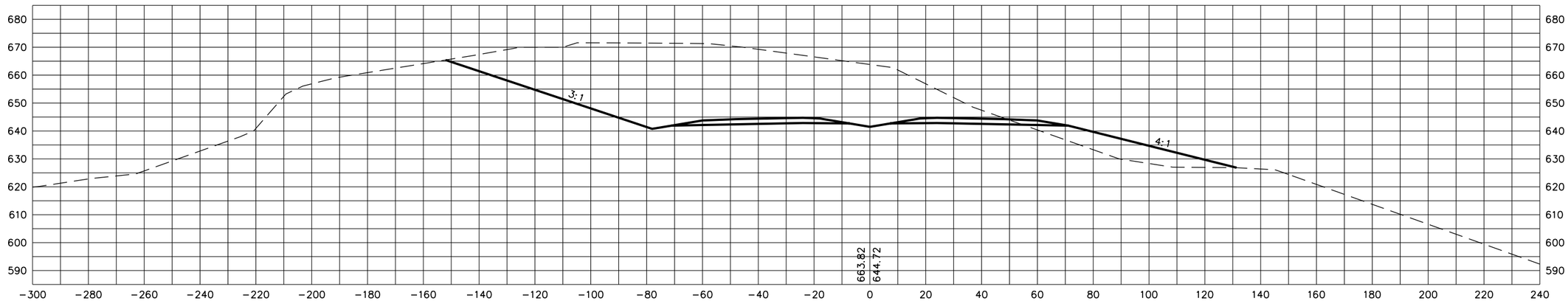
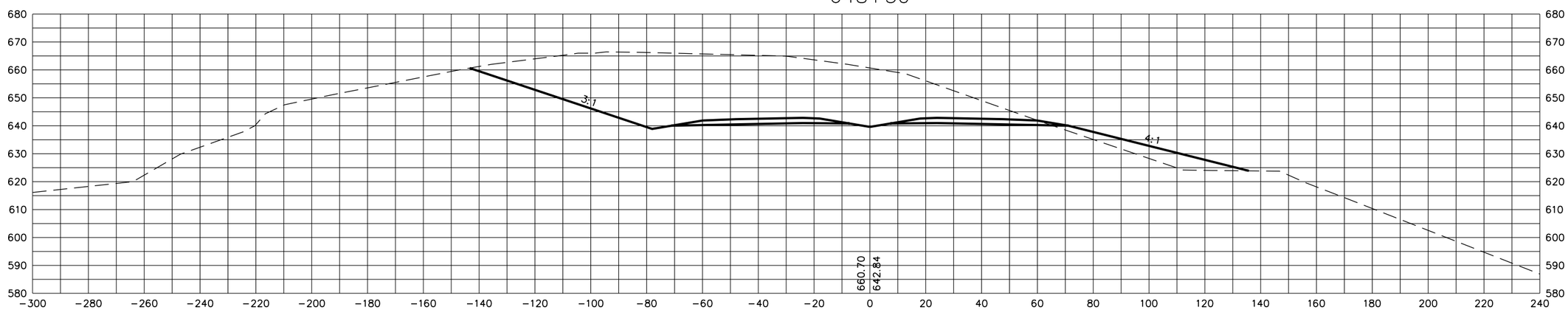
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	408
CONST	2014	36001-3290-14	

649+00



648+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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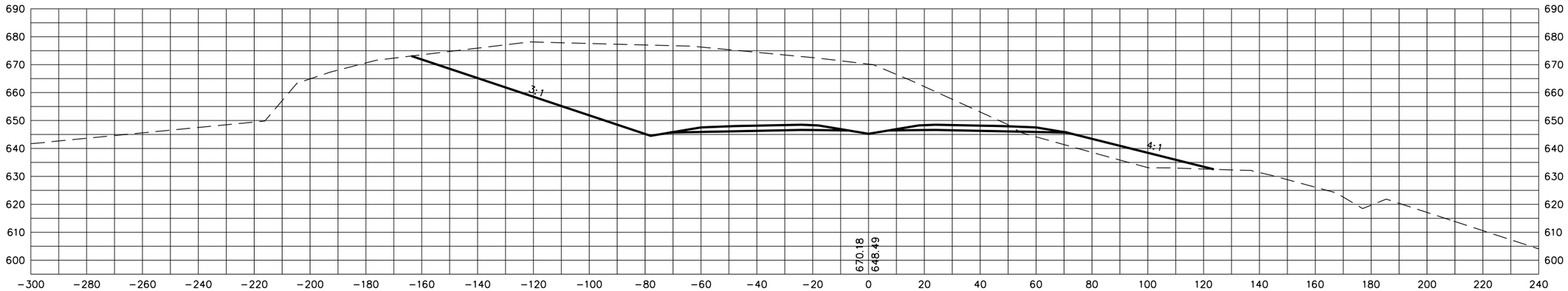
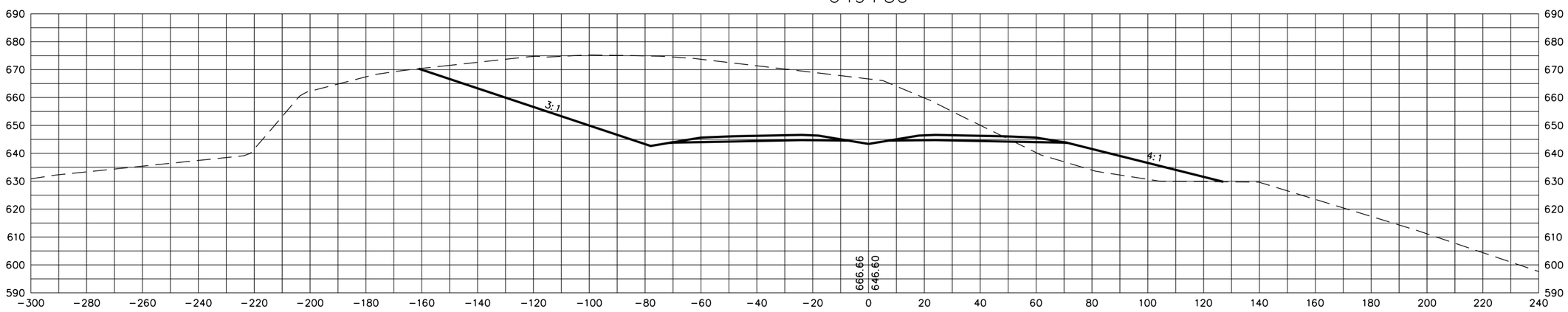
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	409
CONST	2014	36001-3290-14	

650+00



649+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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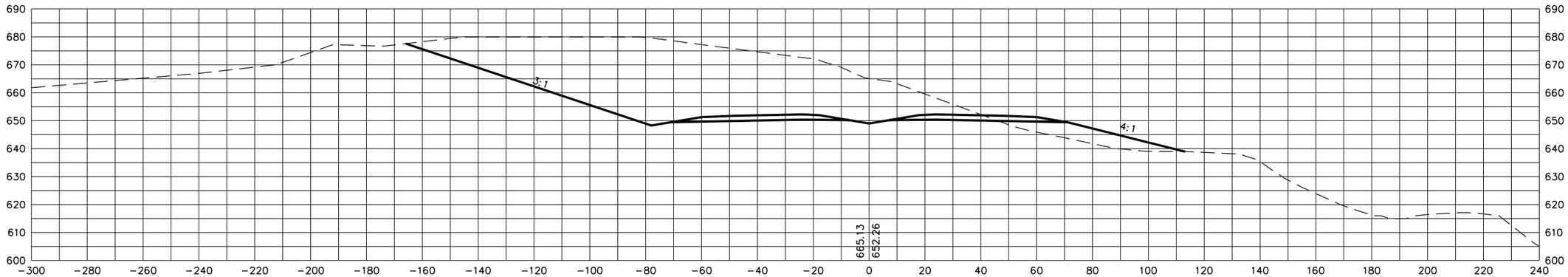
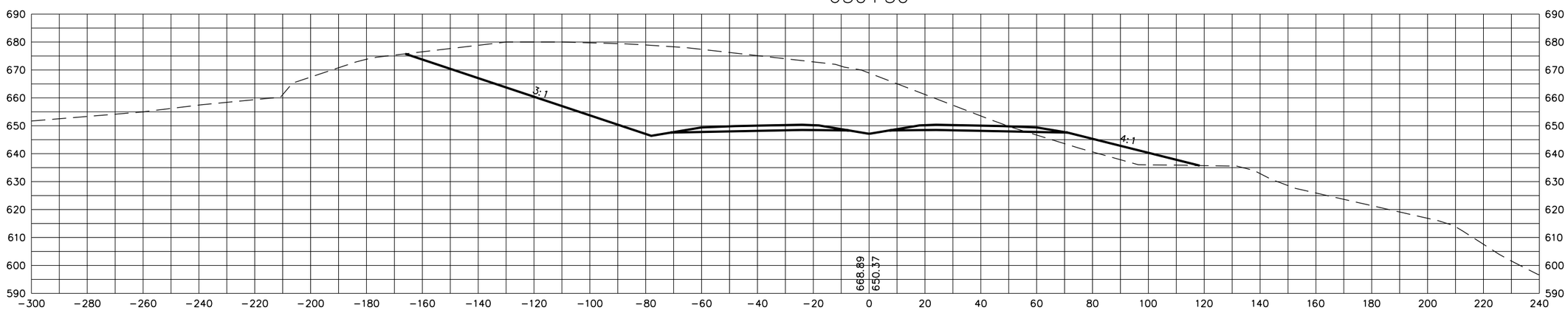
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	410
CONST	2014	36001-3290-14	

651+00



650+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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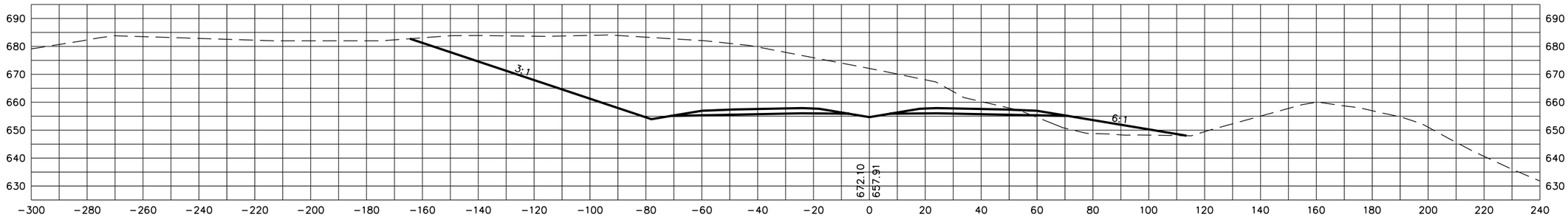
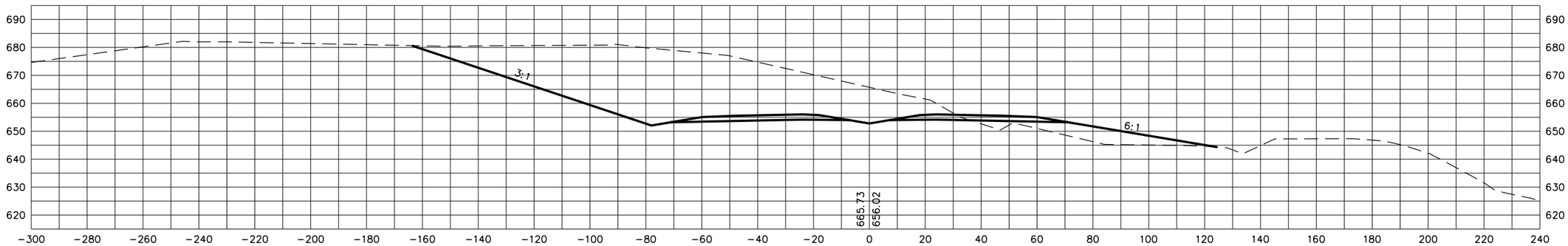
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	411
CONST	2014	36001-3290-14	

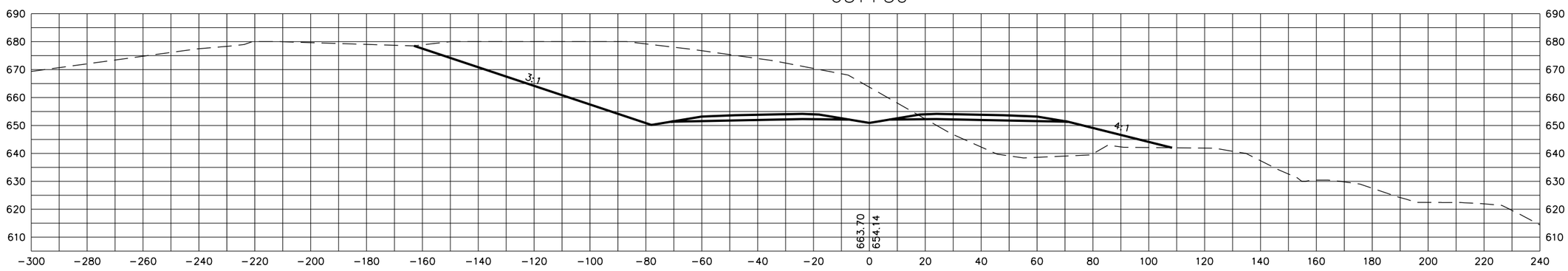
652+50



652+00



651+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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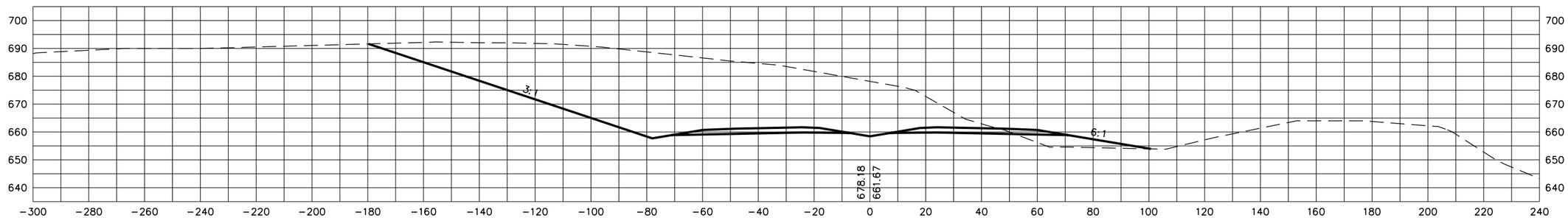
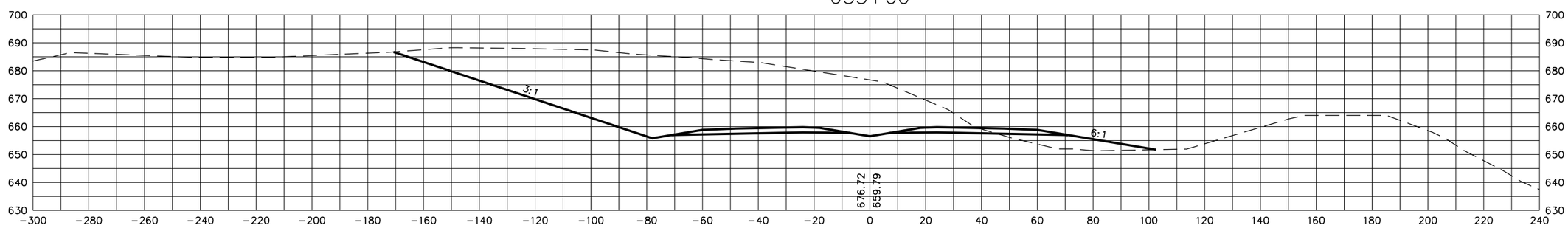
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	412
CONST	2014	36001-3290-14	

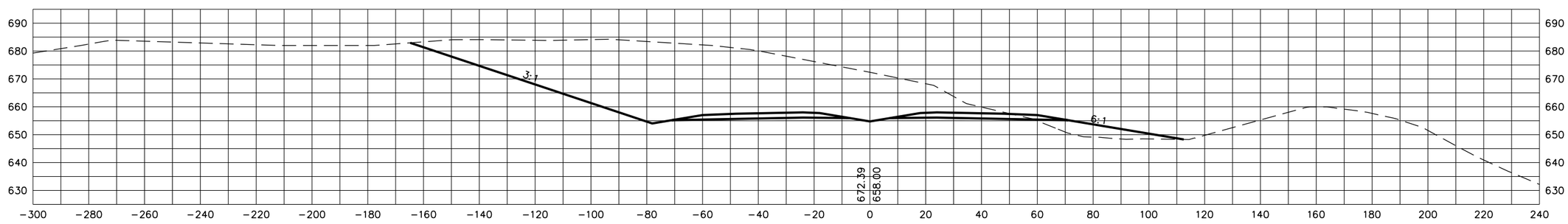
653+50



653+00



652+52.48



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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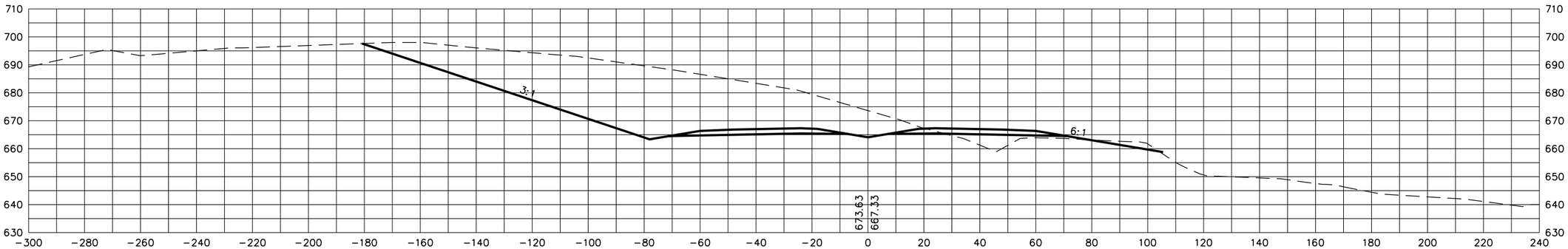
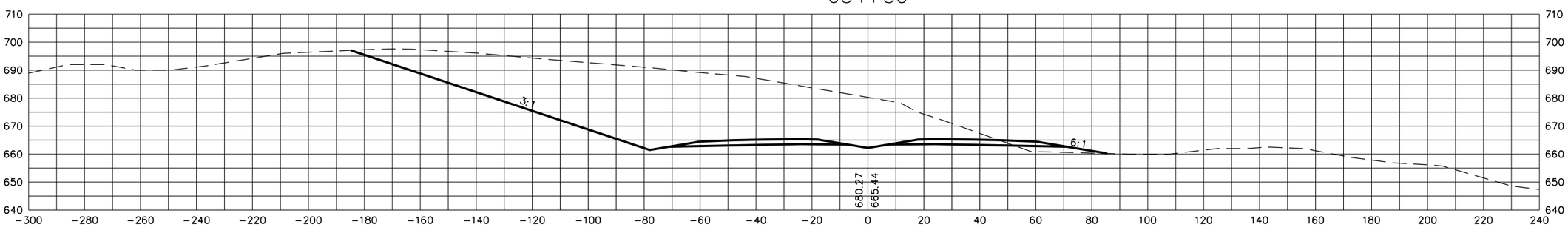
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	413
CONST	2014	36001-3290-14	

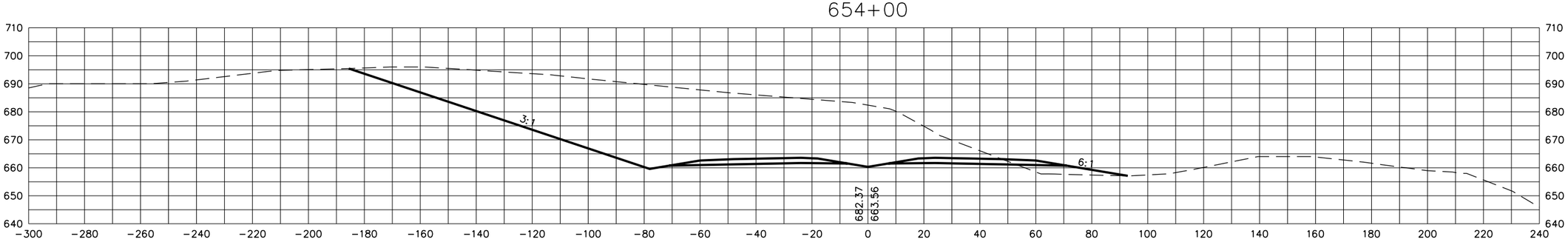
655+00



654+50



654+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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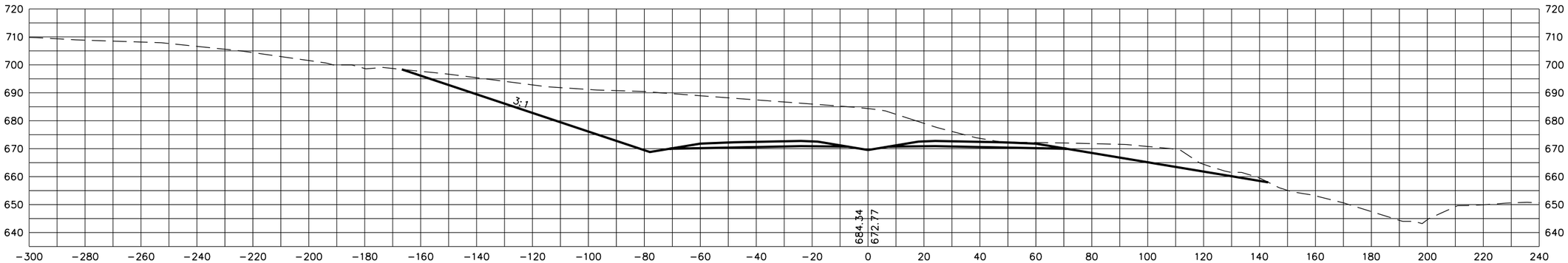
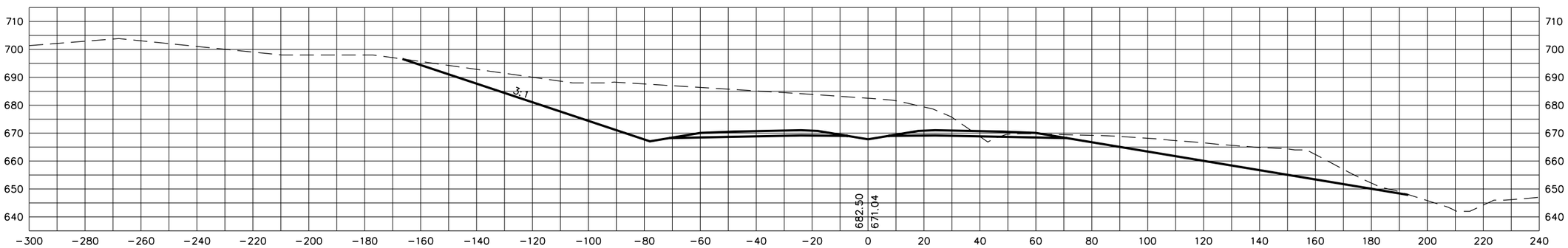
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	414
CONST	2014	36001-3290-14	

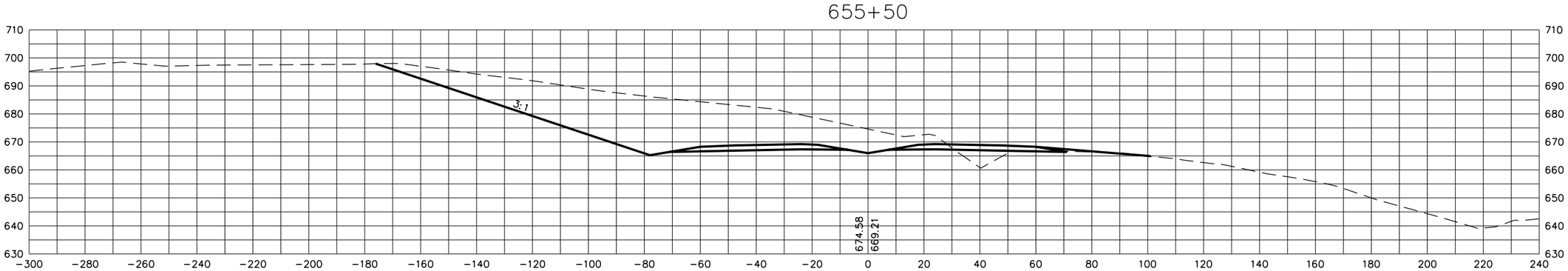
656+50



656+00



655+50



2-24-12

REVISED CROSS SECTION AT STA. 655+50

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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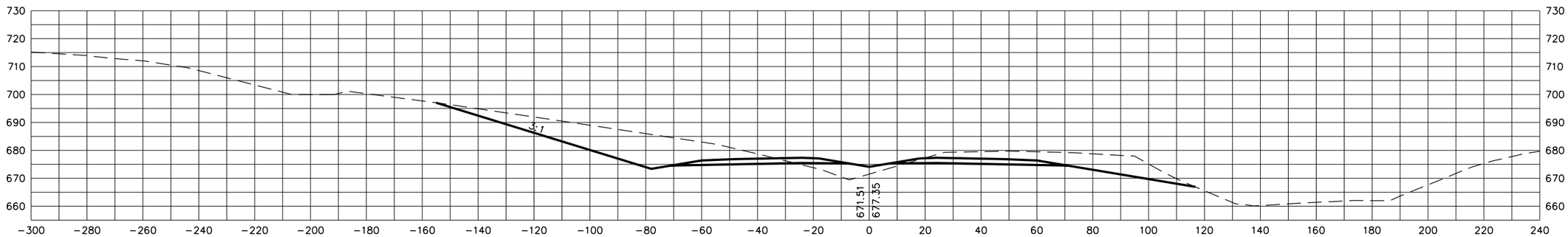
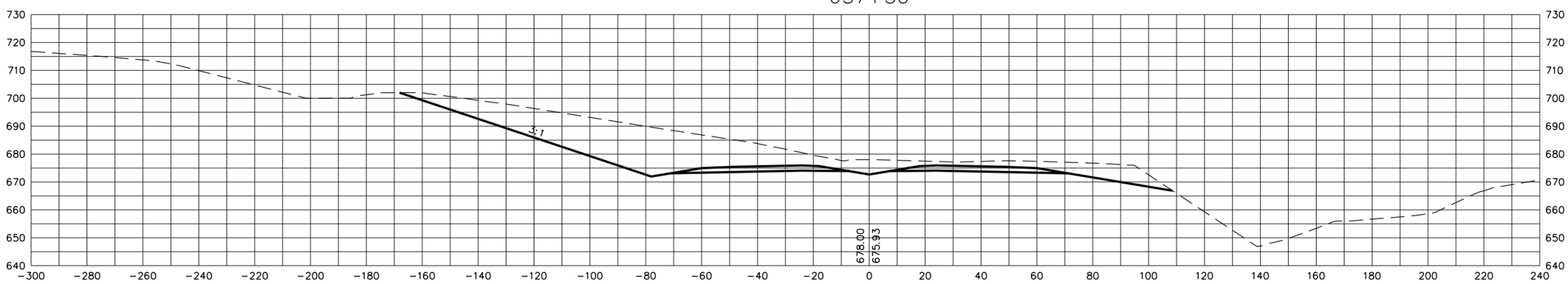
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	415
CONST	2014	36001-3290-14	

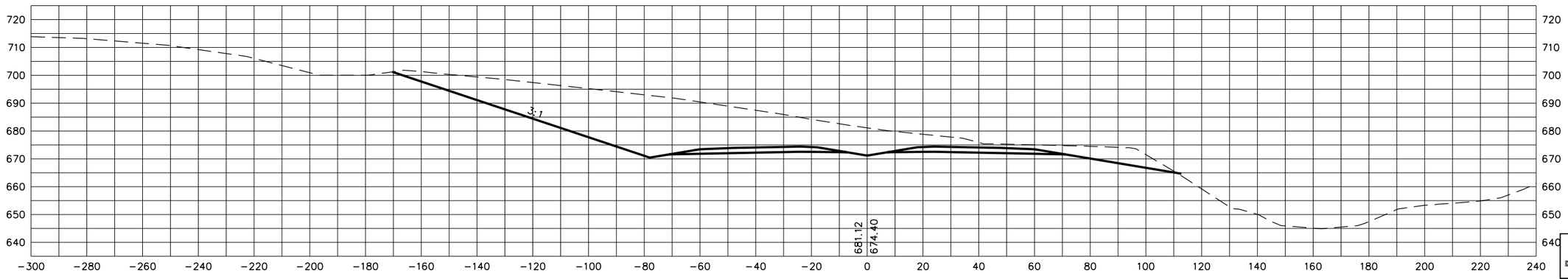
658+00

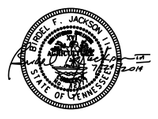


657+50



657+00





STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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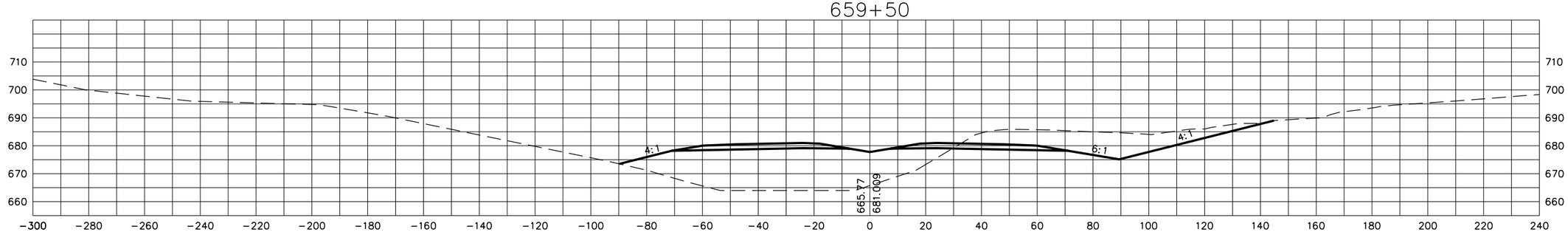
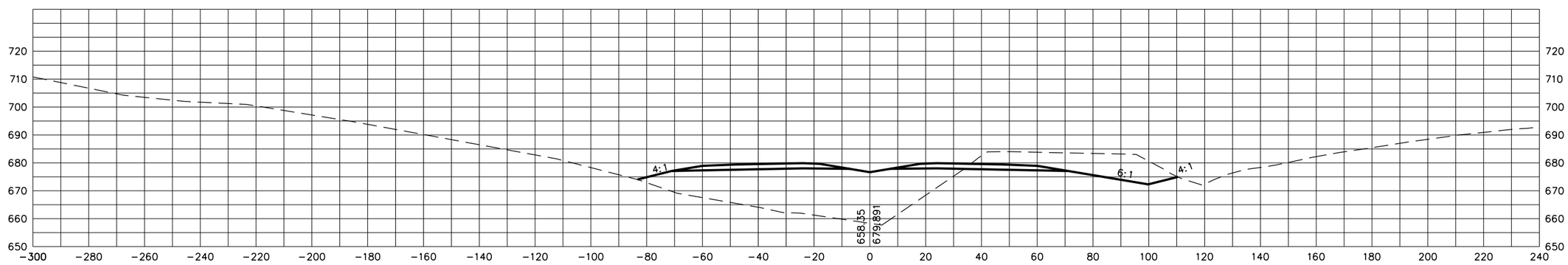
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	416
CONST	2014	36001-3290-14	

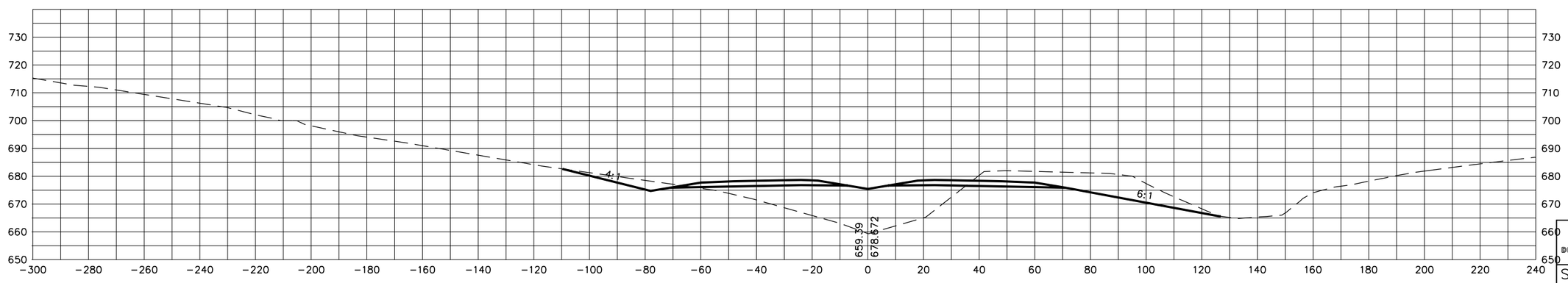
659+50



659+00



658+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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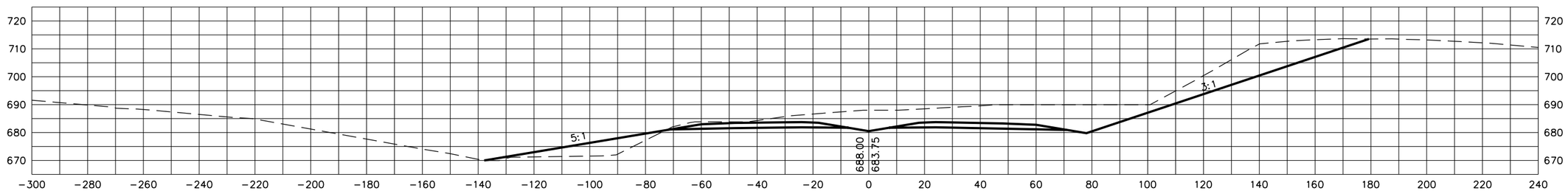
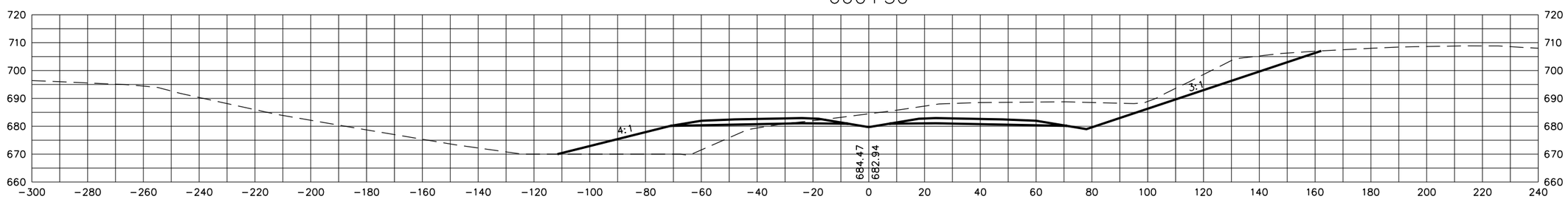
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	417
CONST	2014	36001-3290-14	

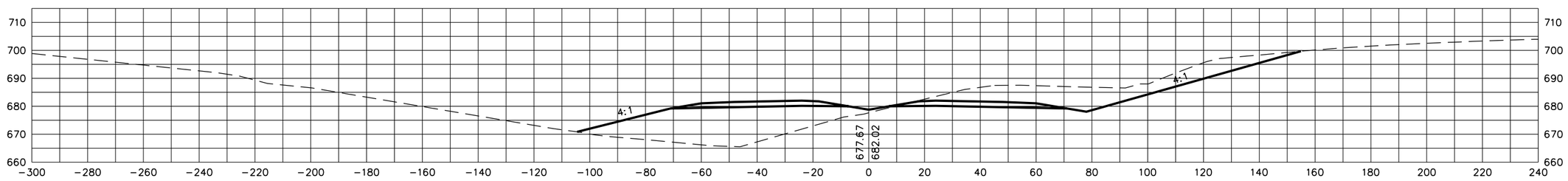
661+00



660+50



660+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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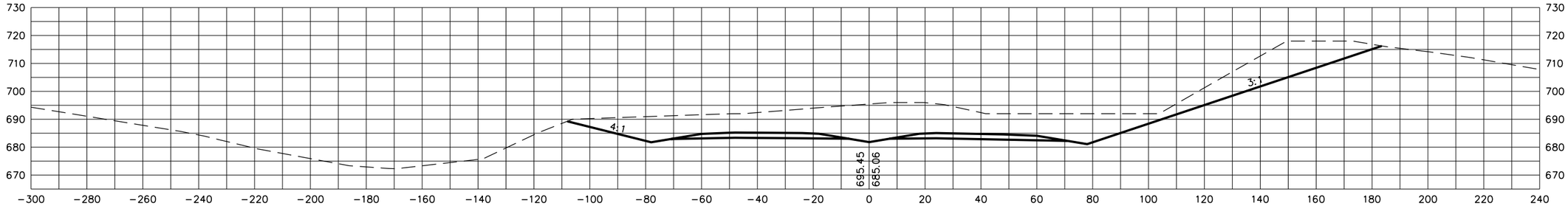
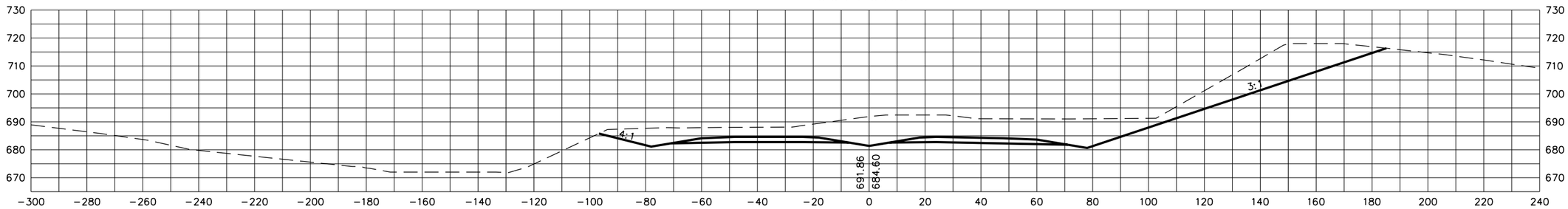
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	418
CONST	2014	36001-3290-14	

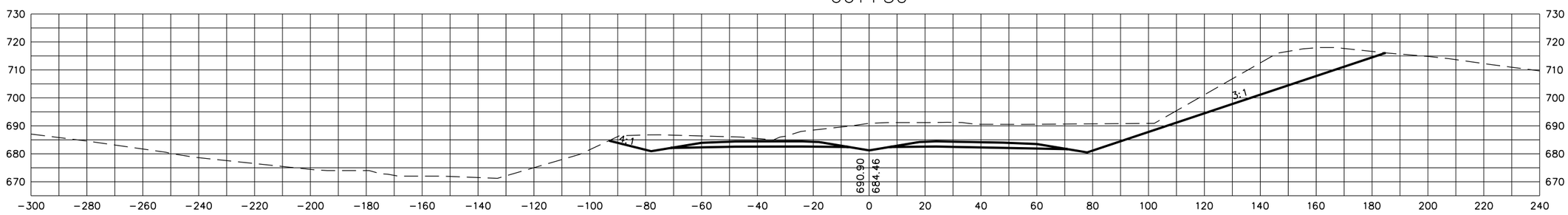
662+00



661+61.02



661+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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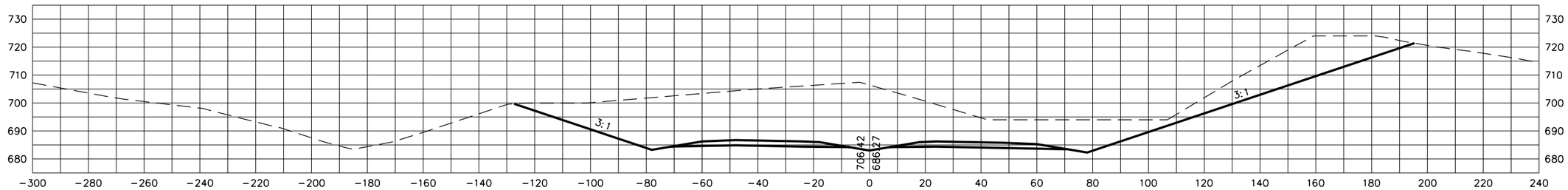
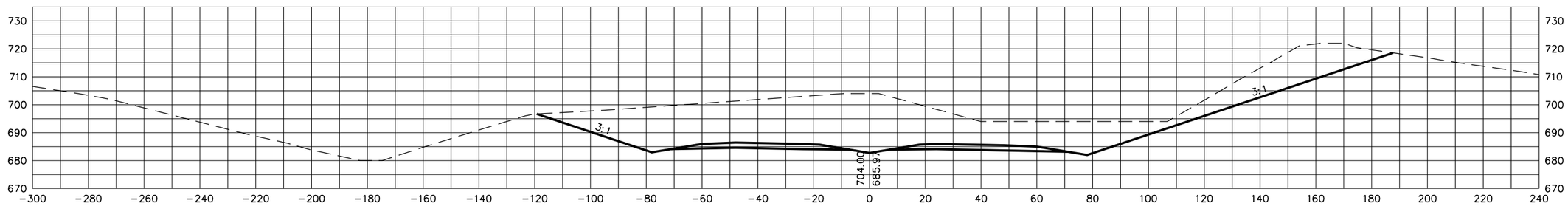
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	419
CONST	2014	36001-3290-14	

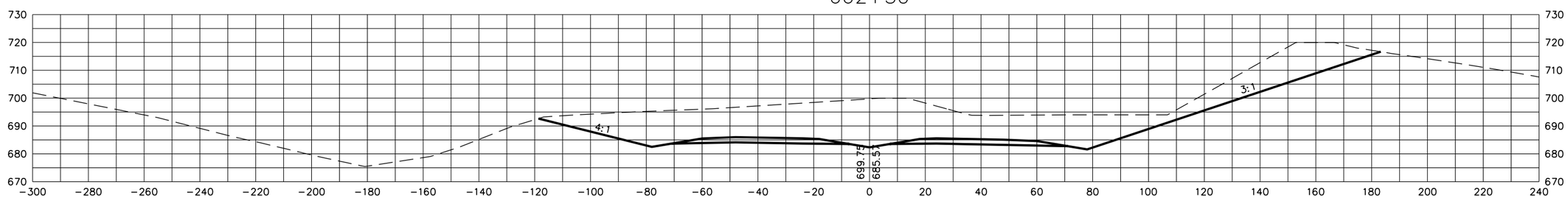
663+50



663+00



662+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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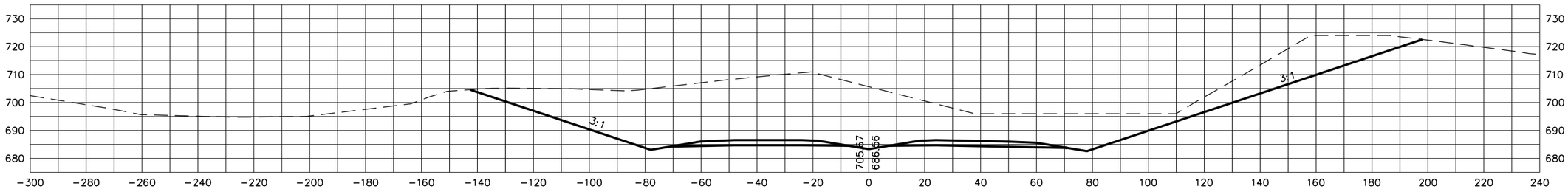
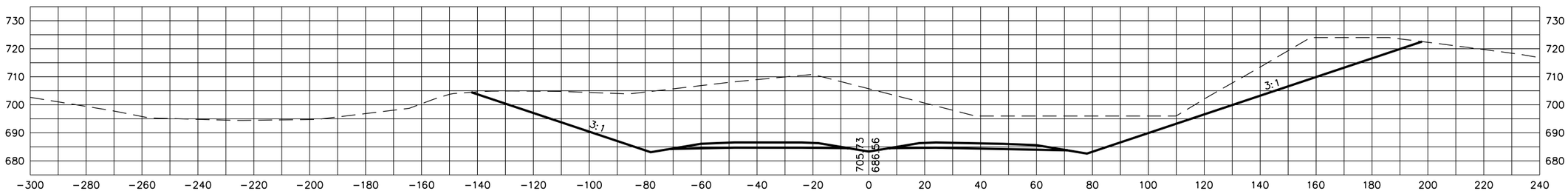
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	420
CONST	2014	36001-3290-14	

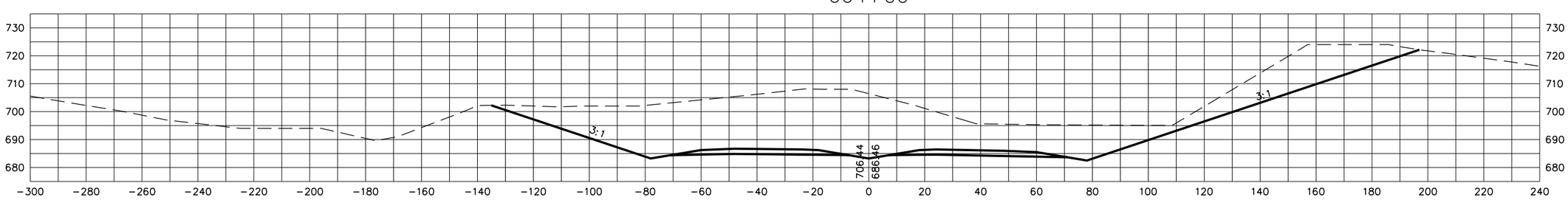
664+53.62



664+50



664+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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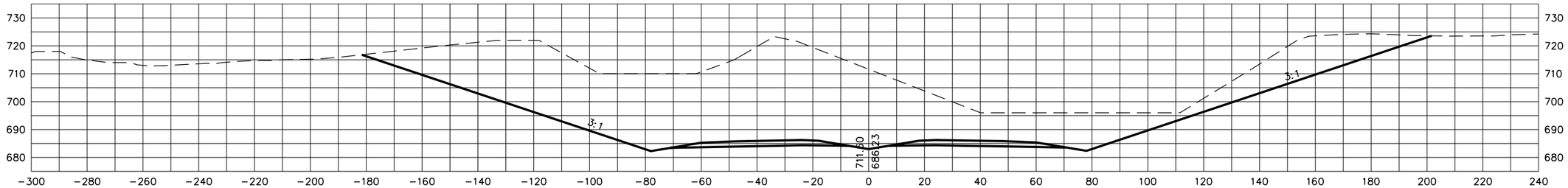
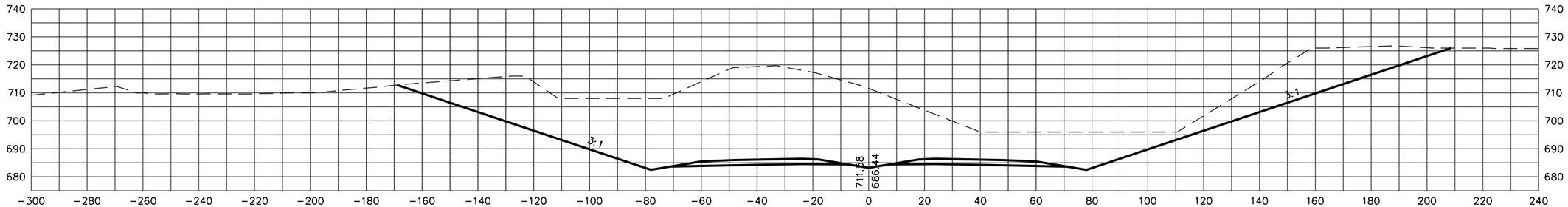
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	421
CONST	2014	36001-3290-14	

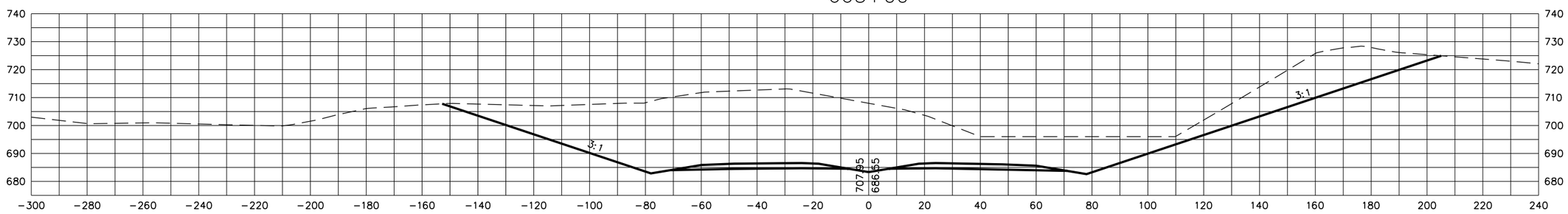
666+00



665+50



665+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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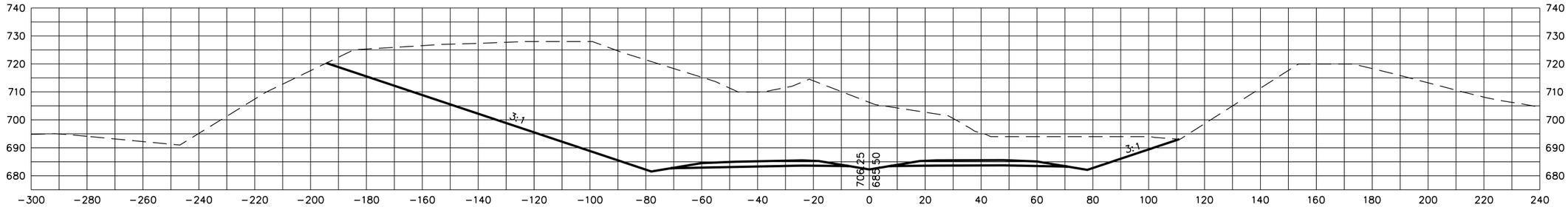
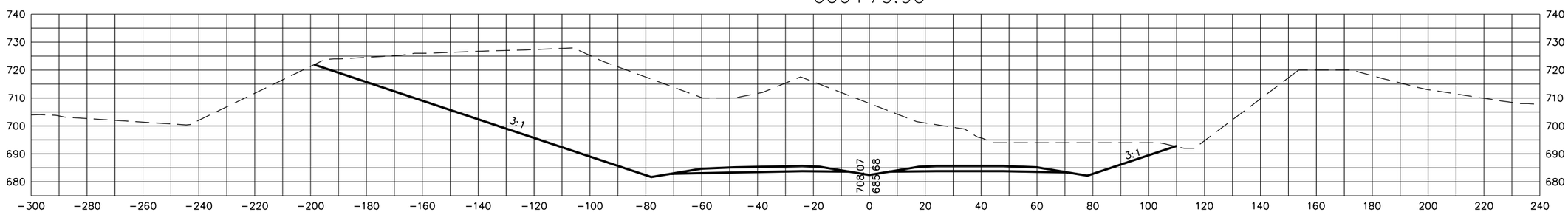
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	422
CONST	2014	36001-3290-14	

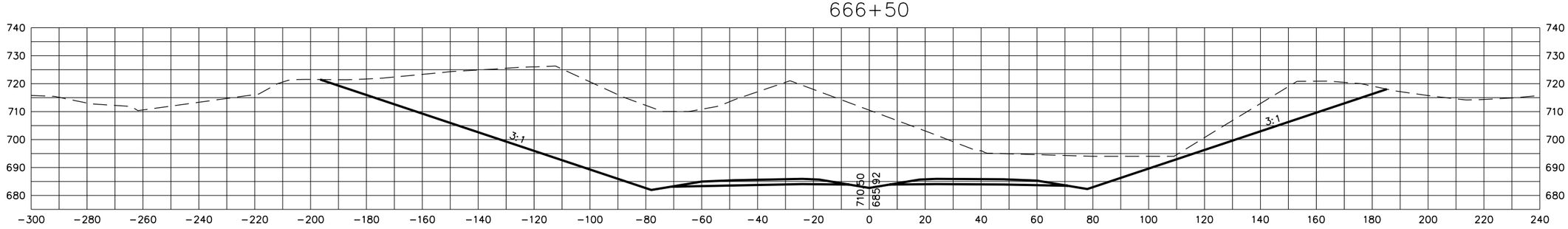
667+00



666+79.90



666+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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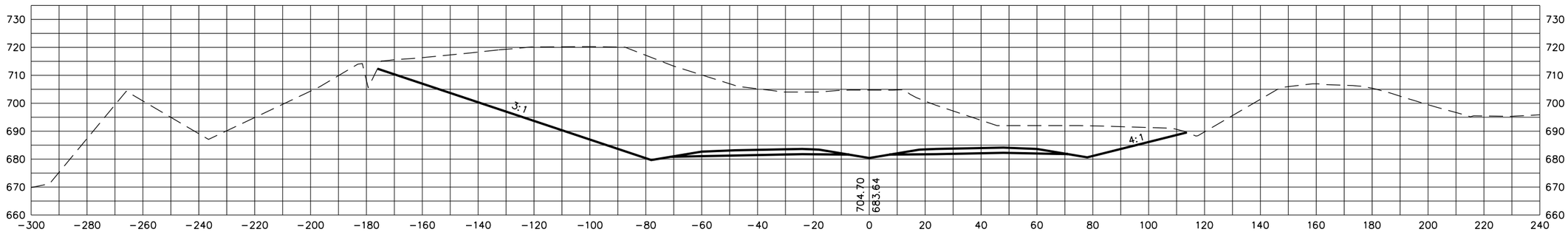
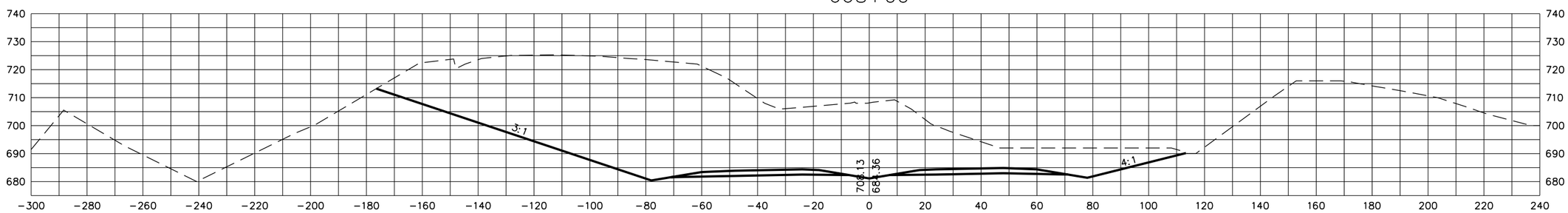
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	423
CONST	2014	36001-3290-14	

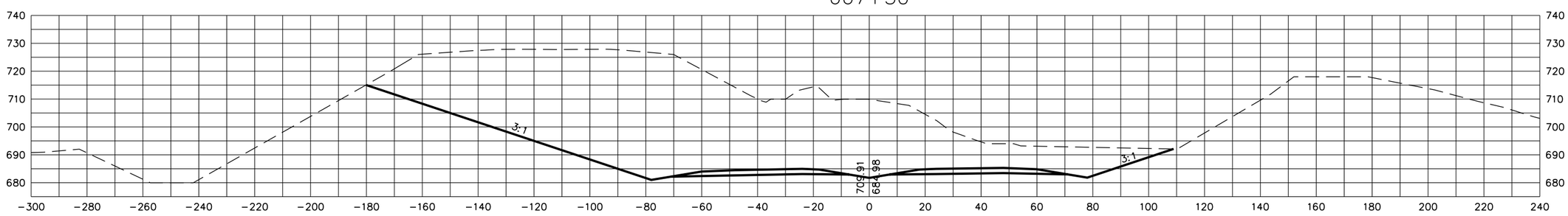
668+50



668+00



667+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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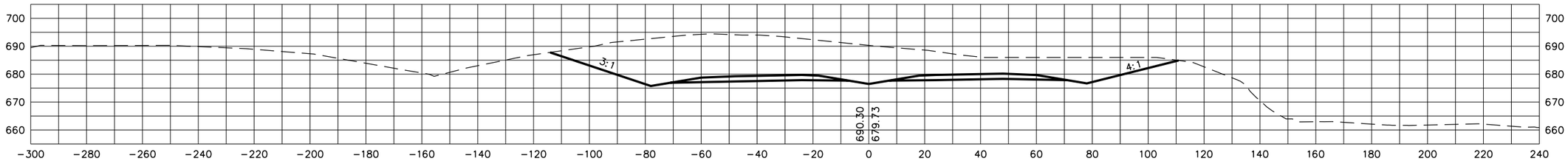
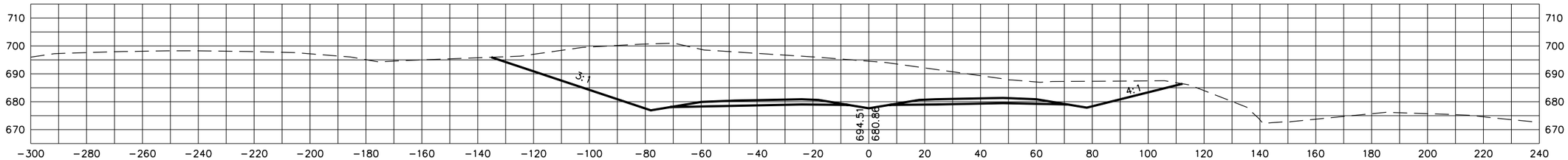
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	424
CONST	2014	36001-3290-14	

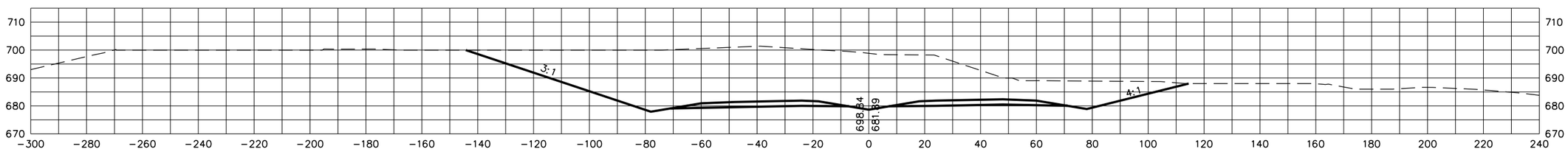
670+50



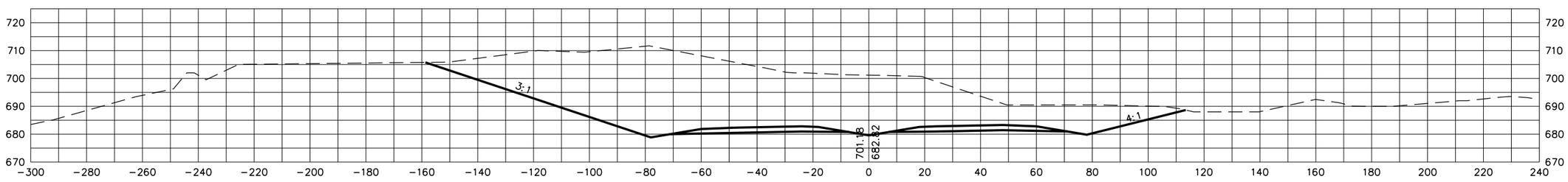
670+00



669+50



669+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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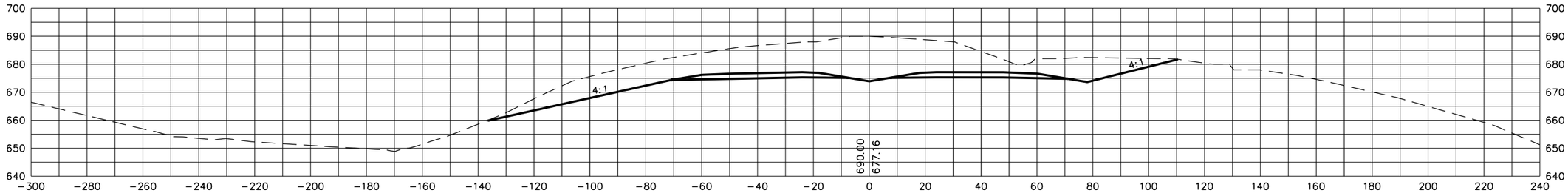
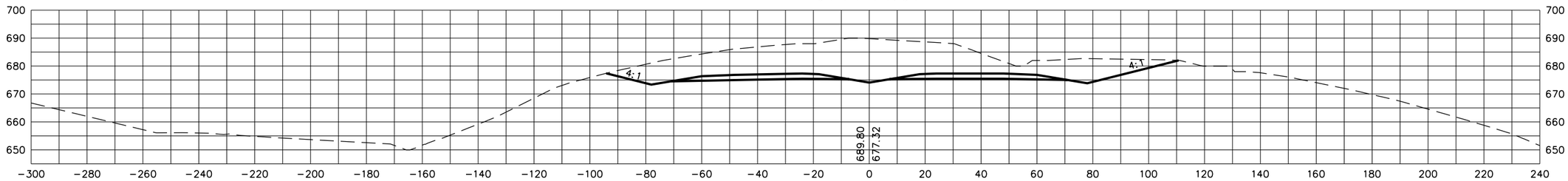
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	425
CONST	2014	36001-3290-14	

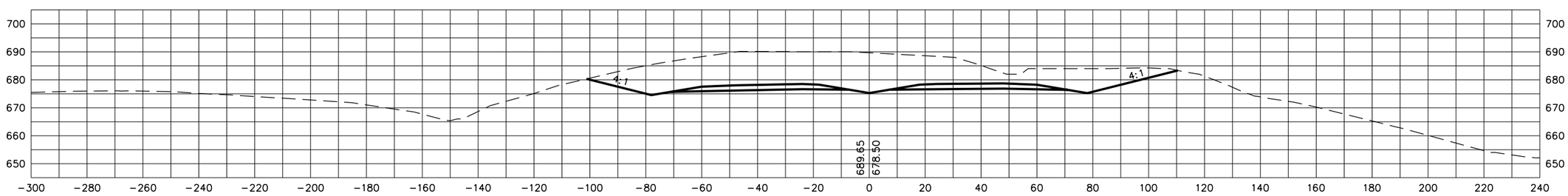
671+50



671+44.07



671+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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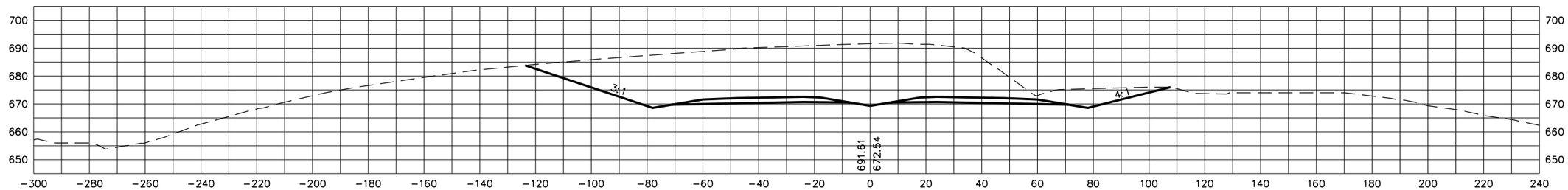
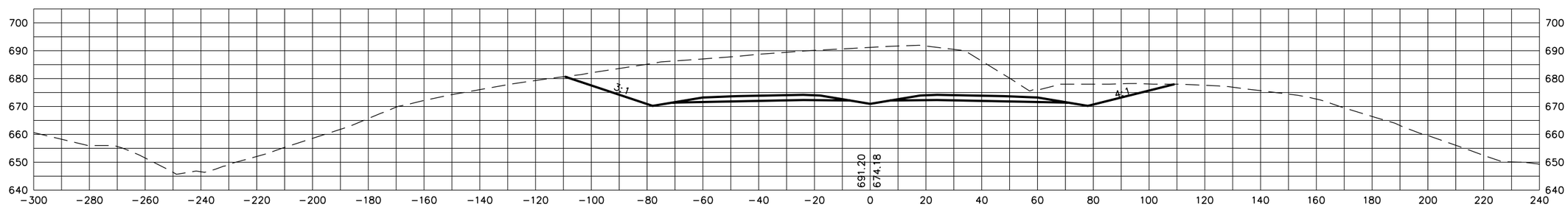
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	426
CONST	2014	36001-3290-14	

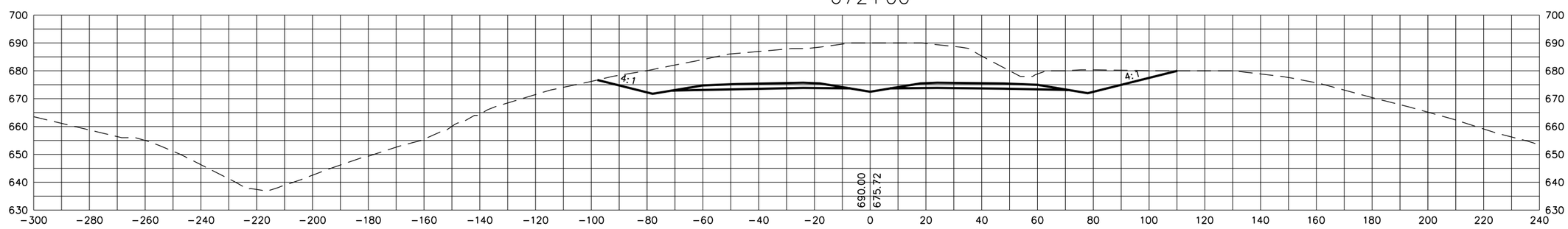
673+00



672+50



672+00



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DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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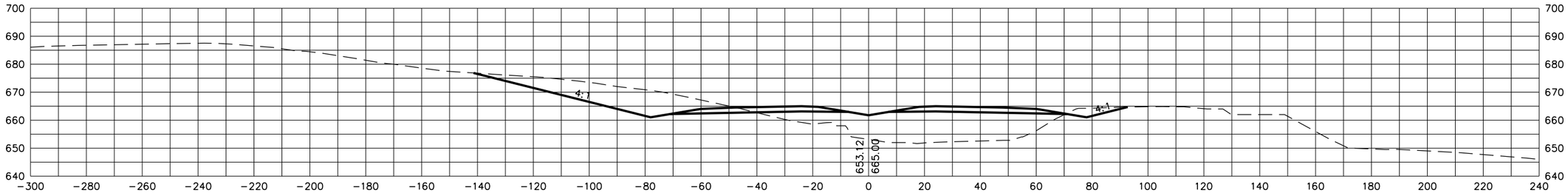
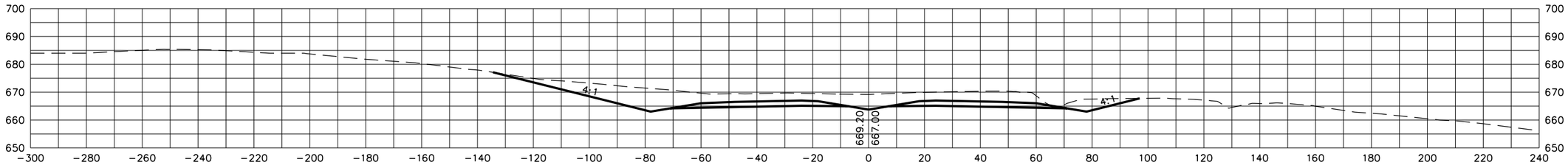
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	427
CONST	2014	36001-3290-14	

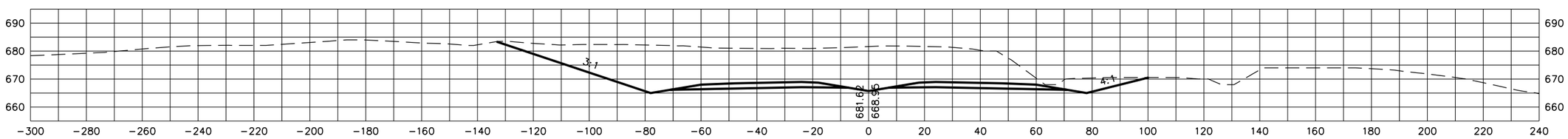
675+00



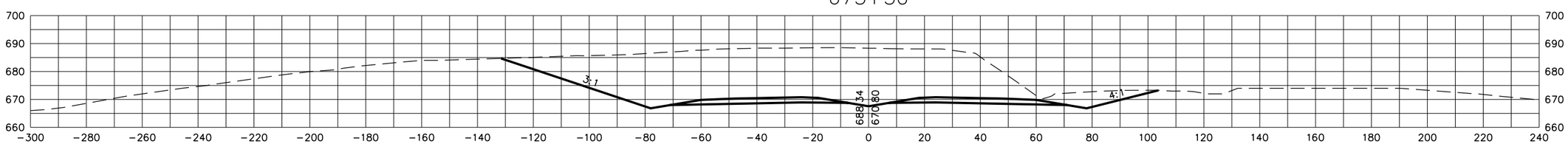
674+50



674+00



673+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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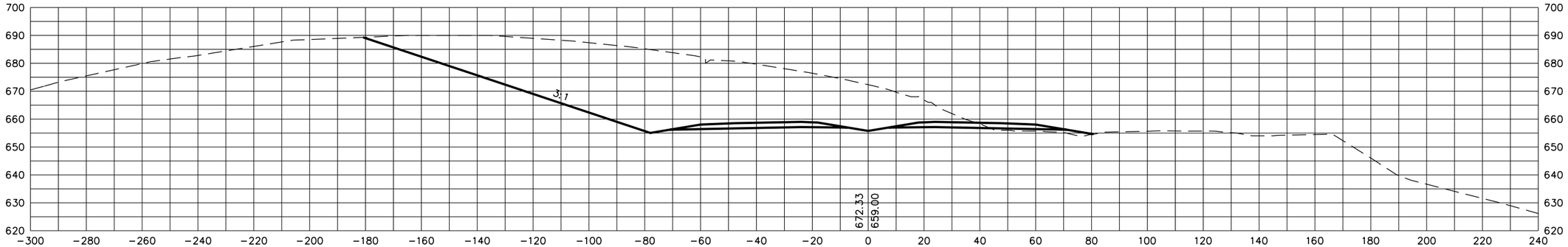
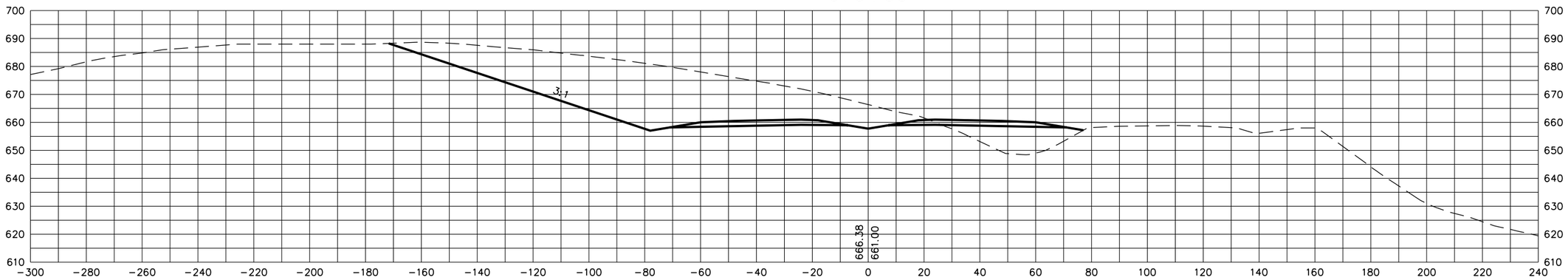
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	428
CONST	2014	36001-3290-14	

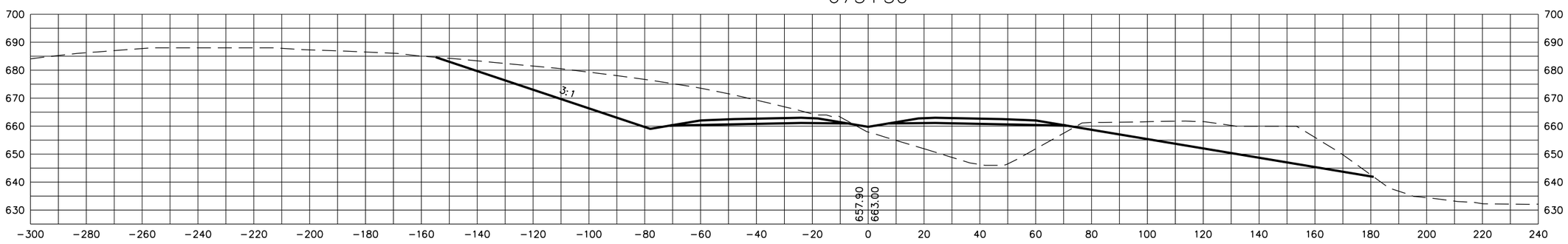
676+50



676+00



675+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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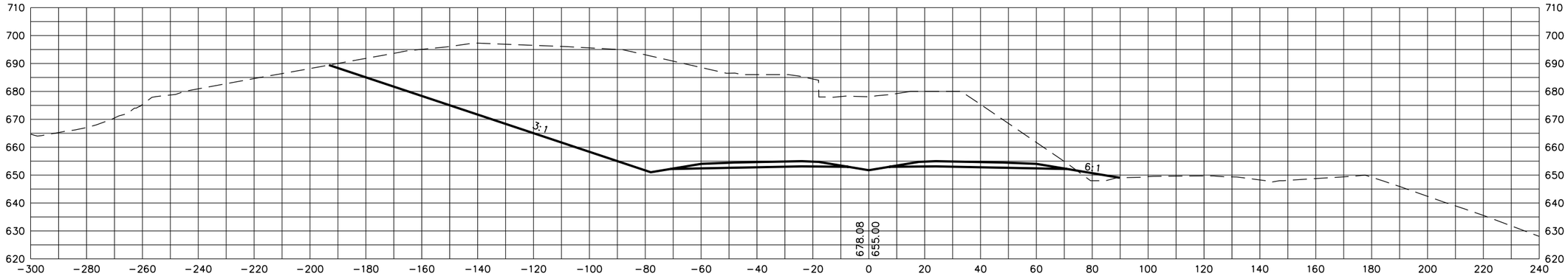
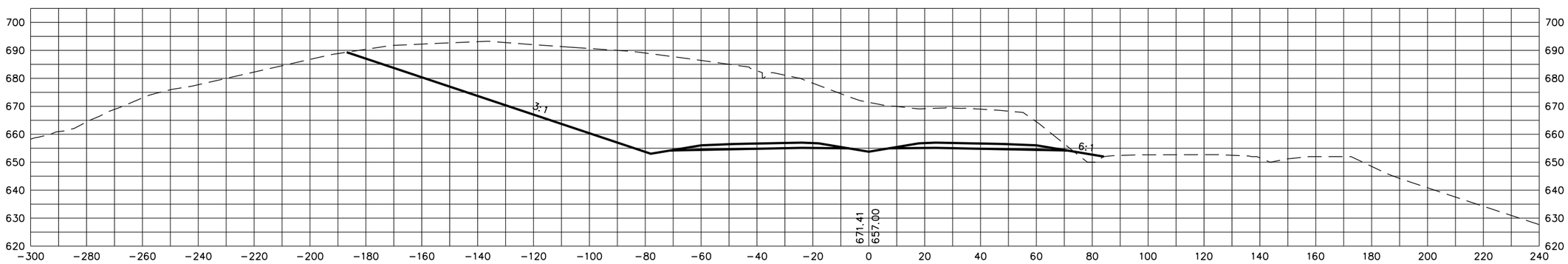
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	429
CONST	2014	36001-3290-14	

677+50



677+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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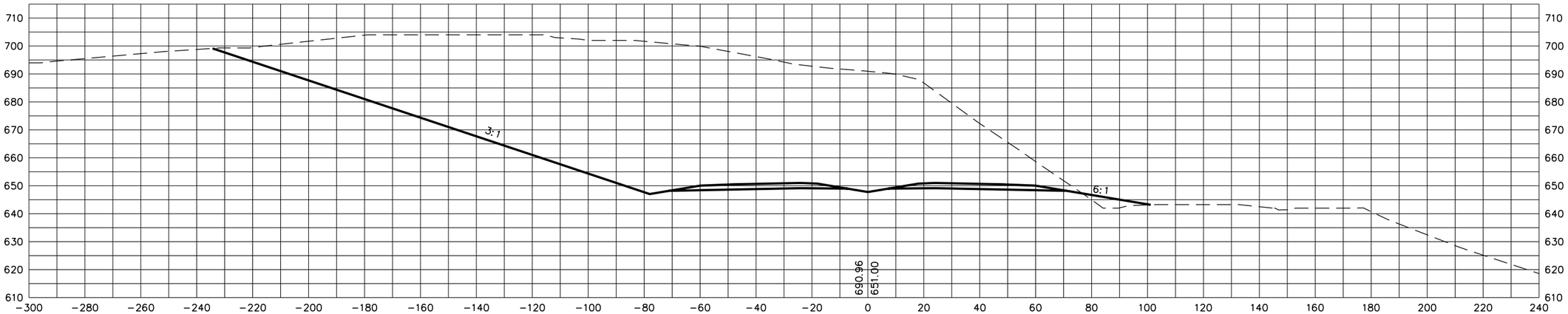
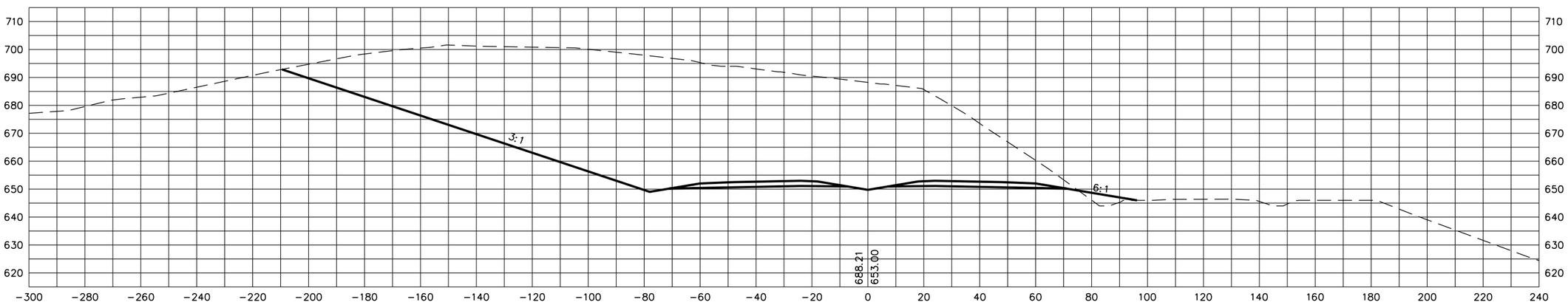
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	430
CONST	2014	36001-3290-14	

678+50



678+00



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

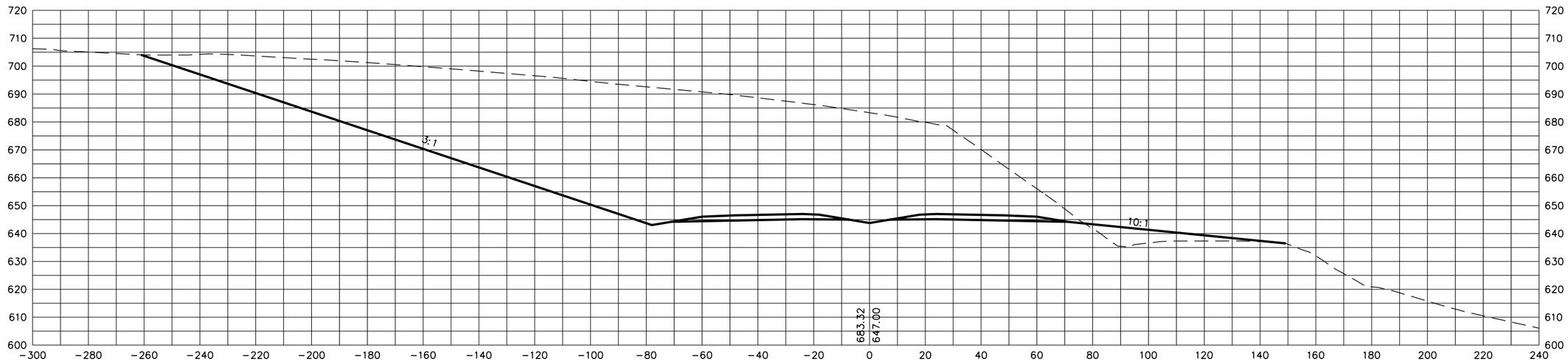
S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

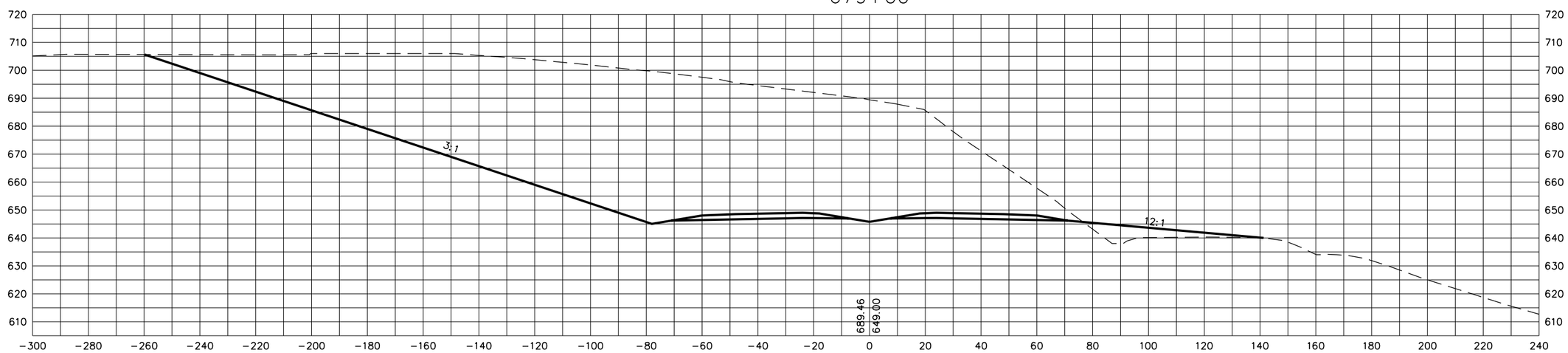
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	431
CONST	2014	36001-3290-14	

679+50



679+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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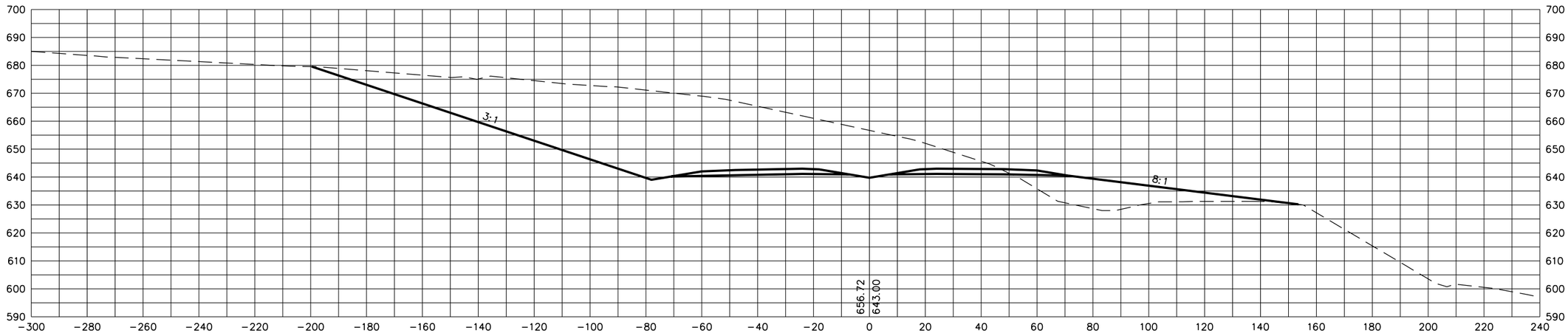
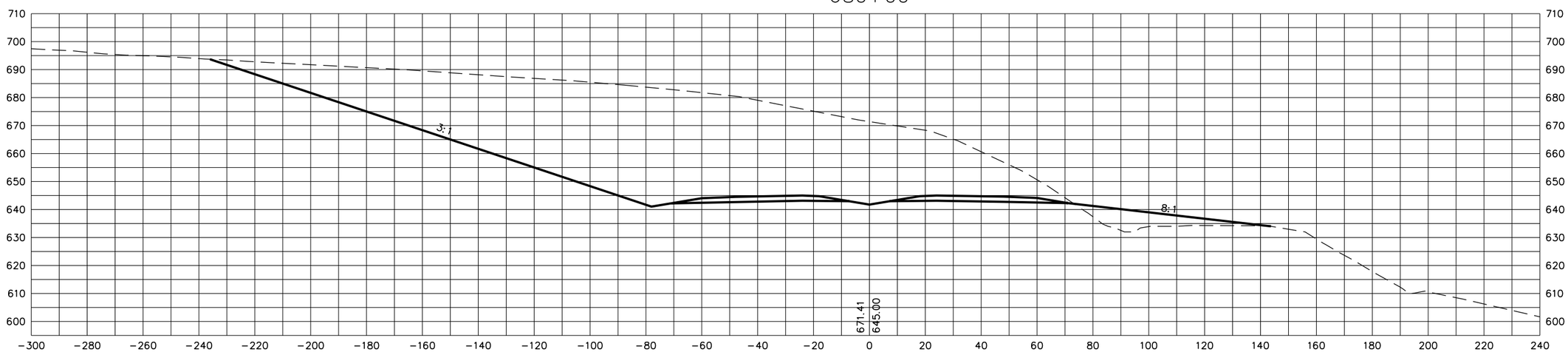
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	432
CONST	2014	36001-3290-14	

680+50



680+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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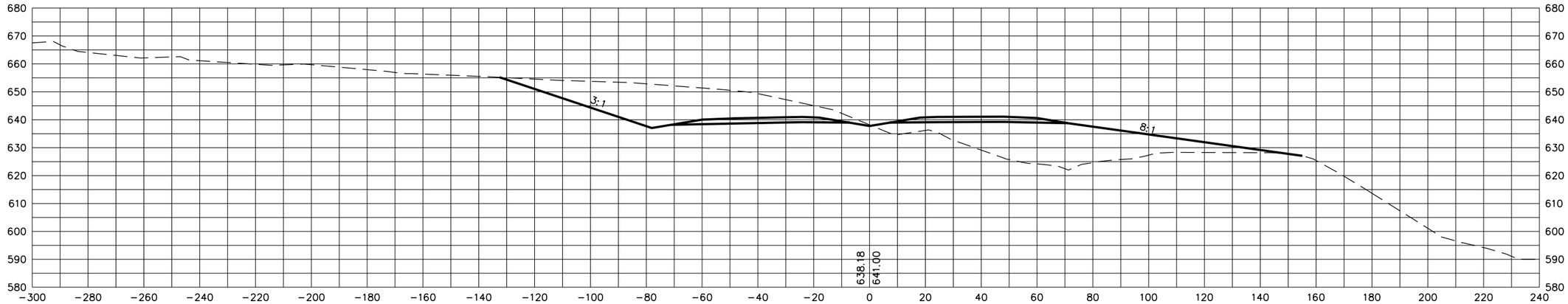
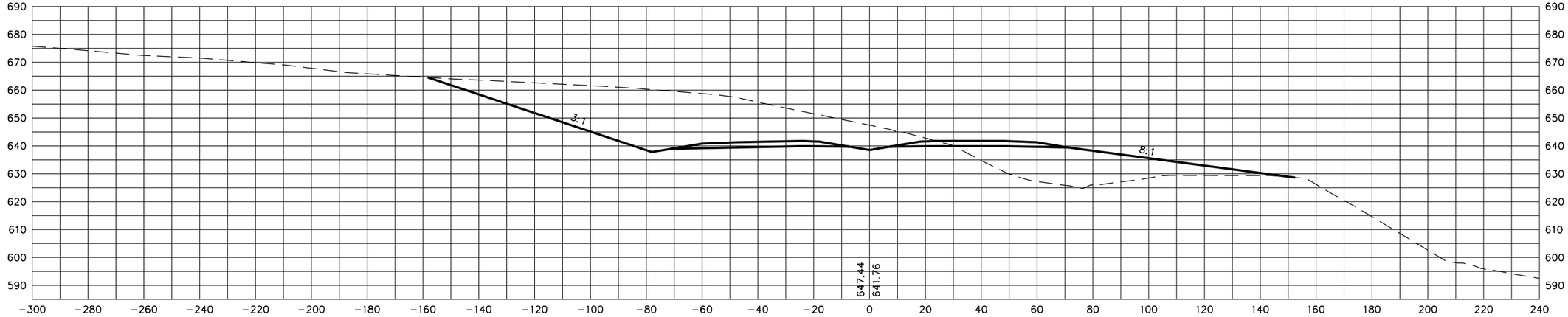
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	433
CONST	2014	36001-3290-14	

681+00



680+80.91



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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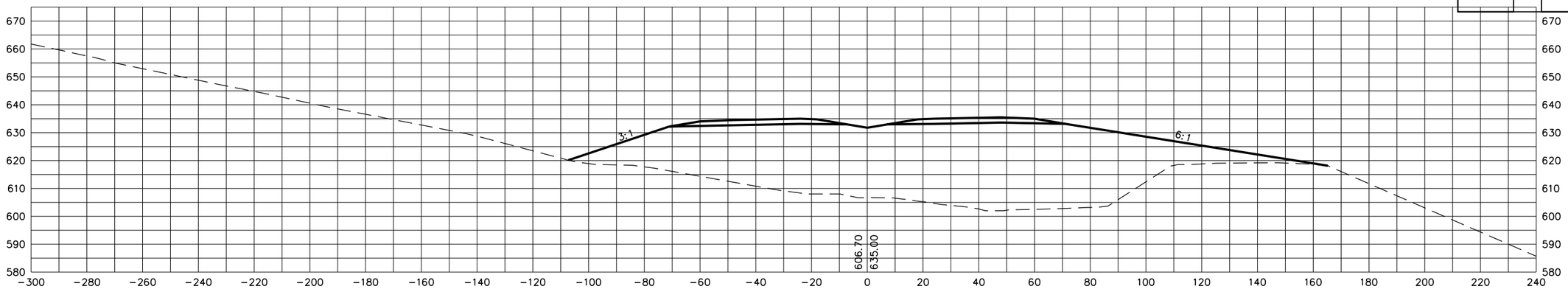
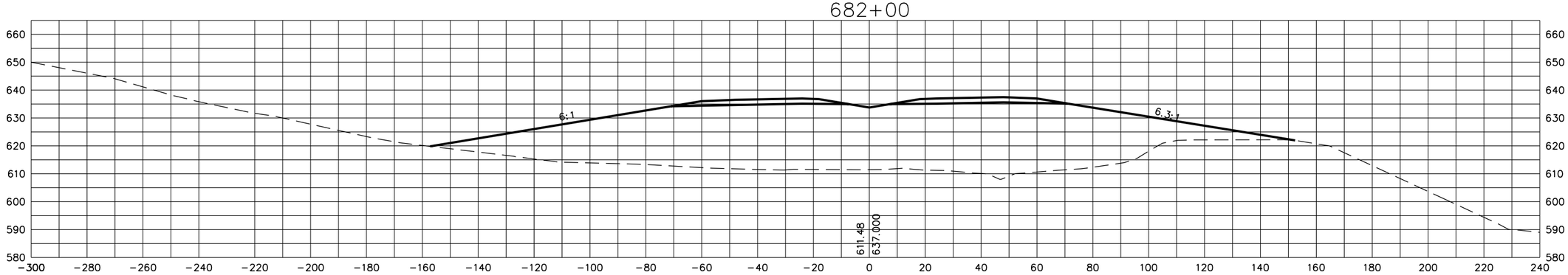
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	434
CONST	2014	36001-3290-14	

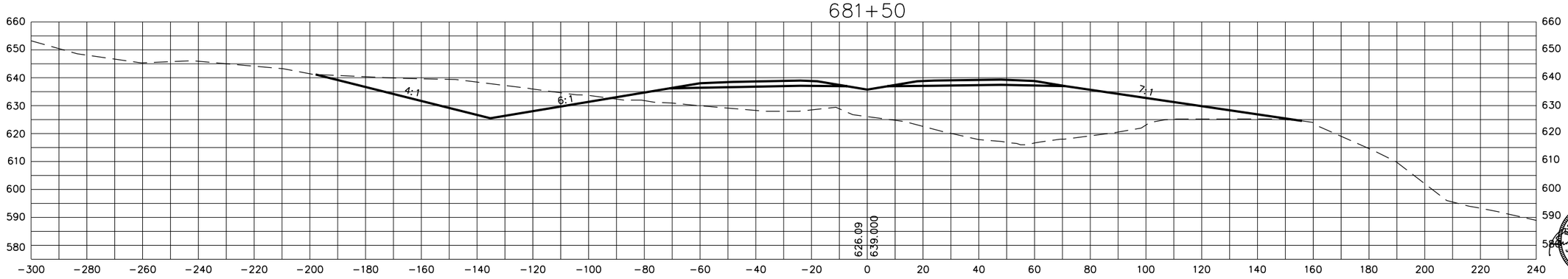
682+50



682+00



681+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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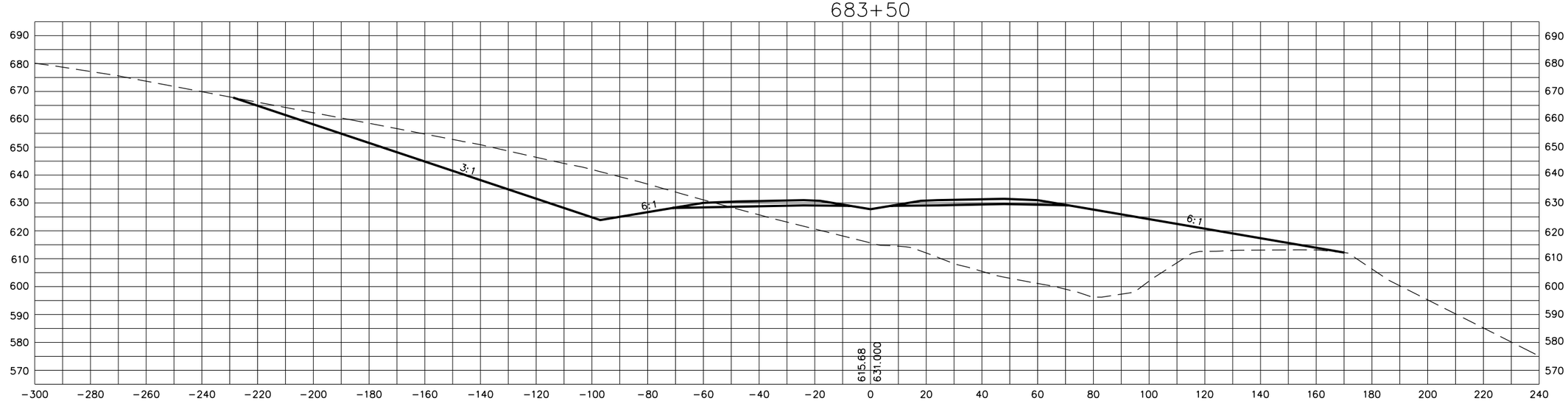
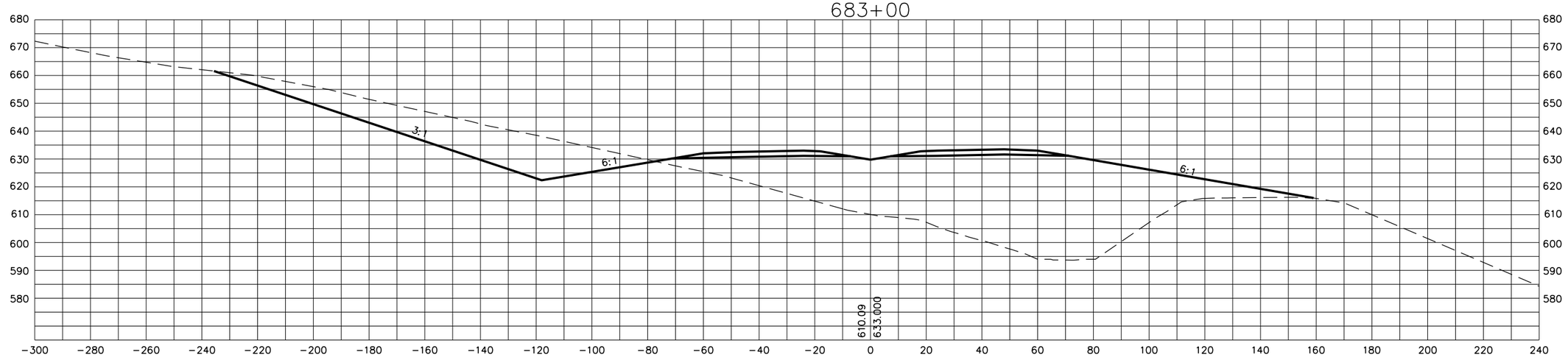
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	435
CONST	2014	36001-3290-14	

683+50



683+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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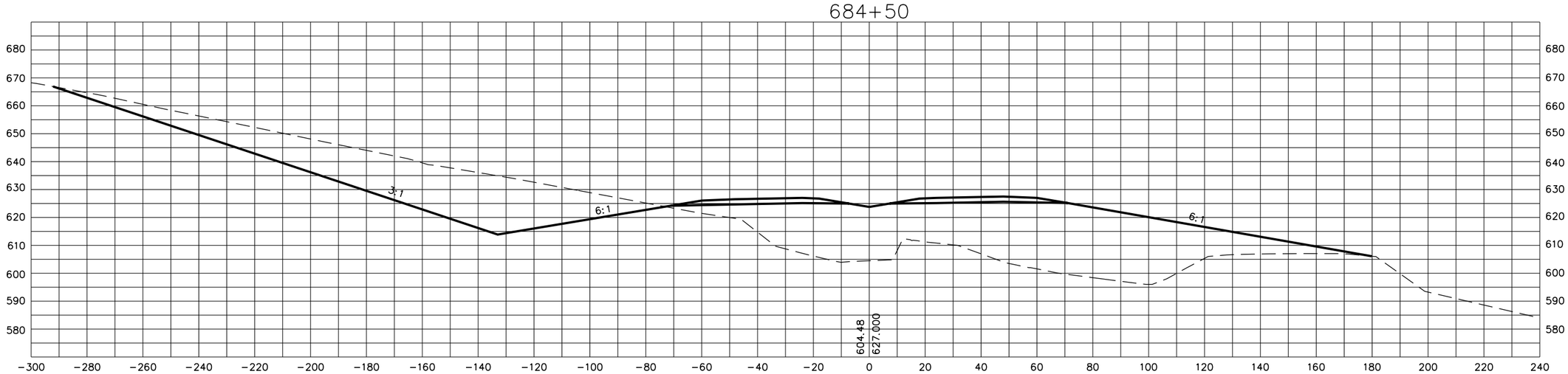
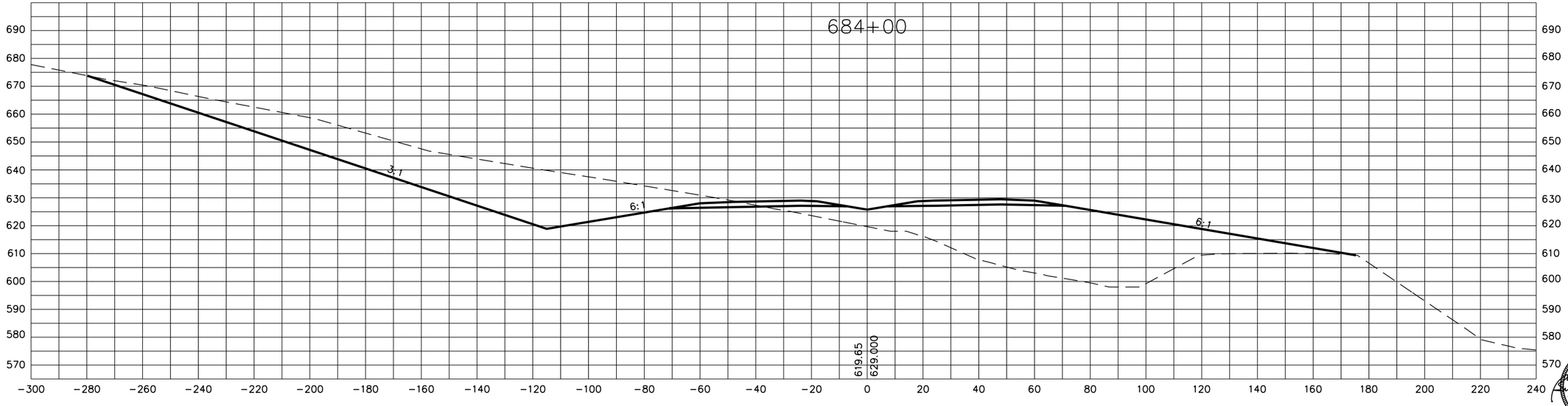
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	436
CONST	2014	36001-3290-14	





STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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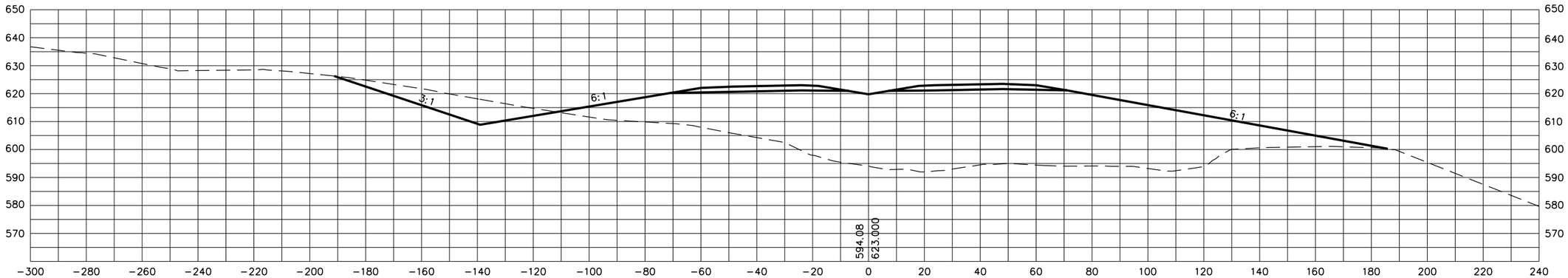
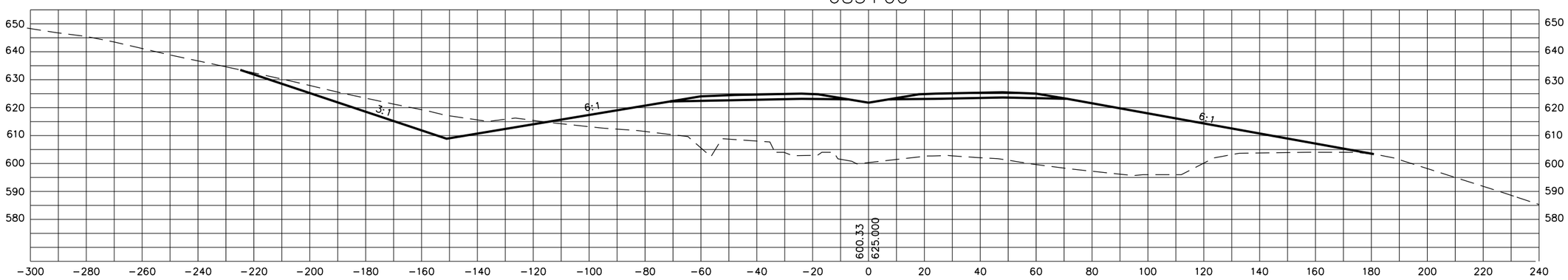
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	437
CONST	2014	36001-3290-14	

685+50



685+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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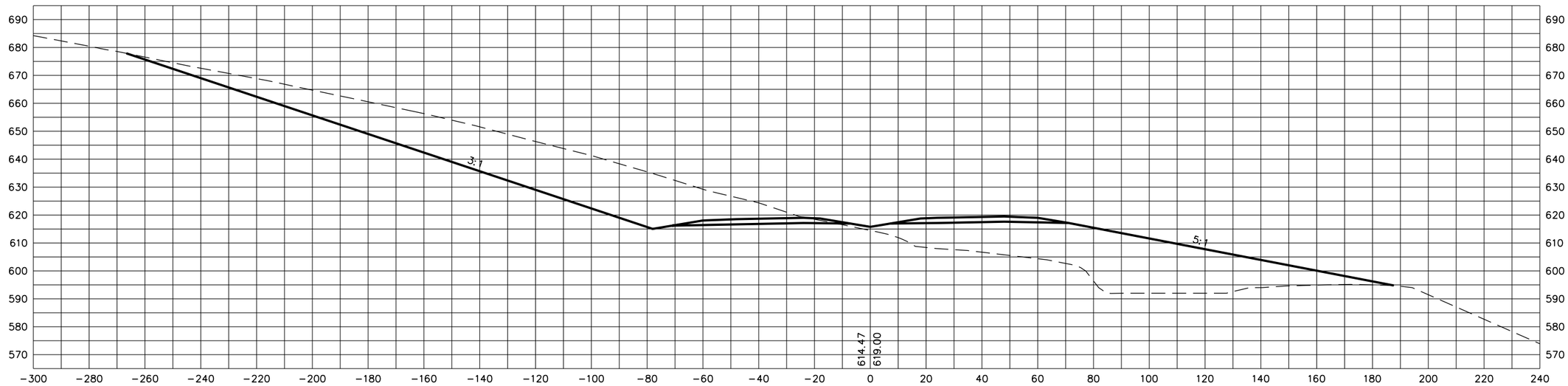
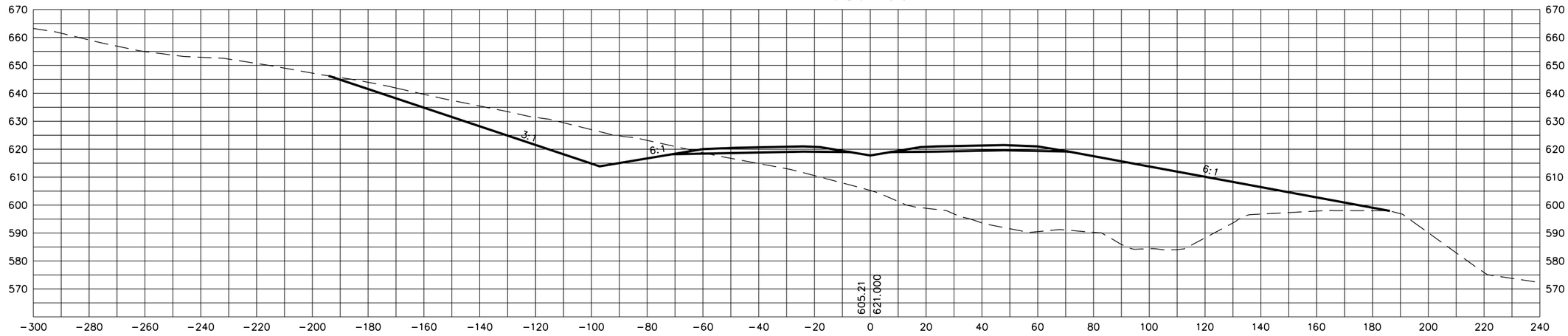
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	438
CONST	2014	36001-3290-14	

686+50



686+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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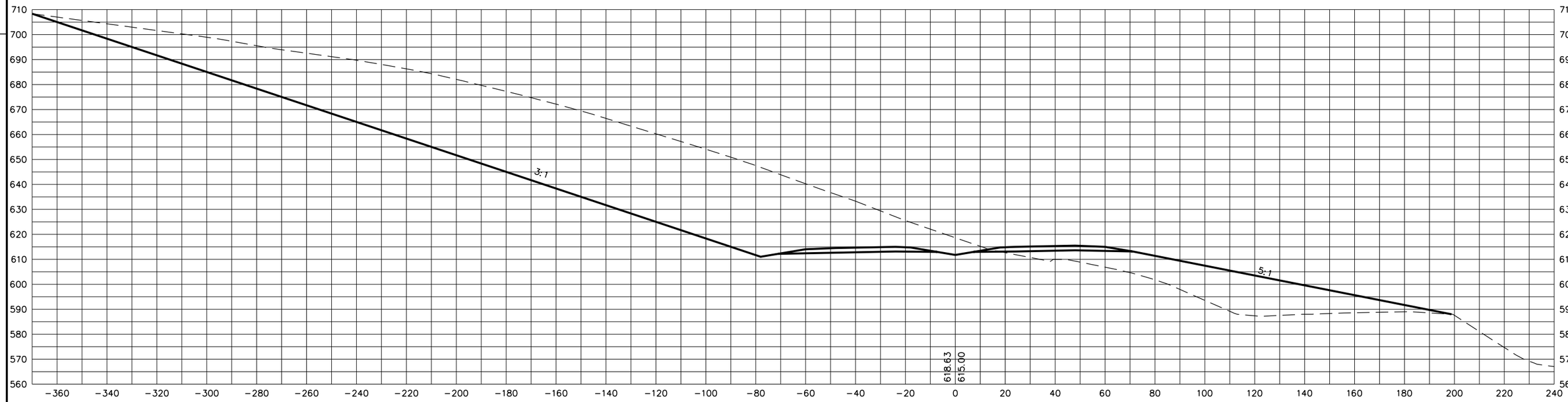
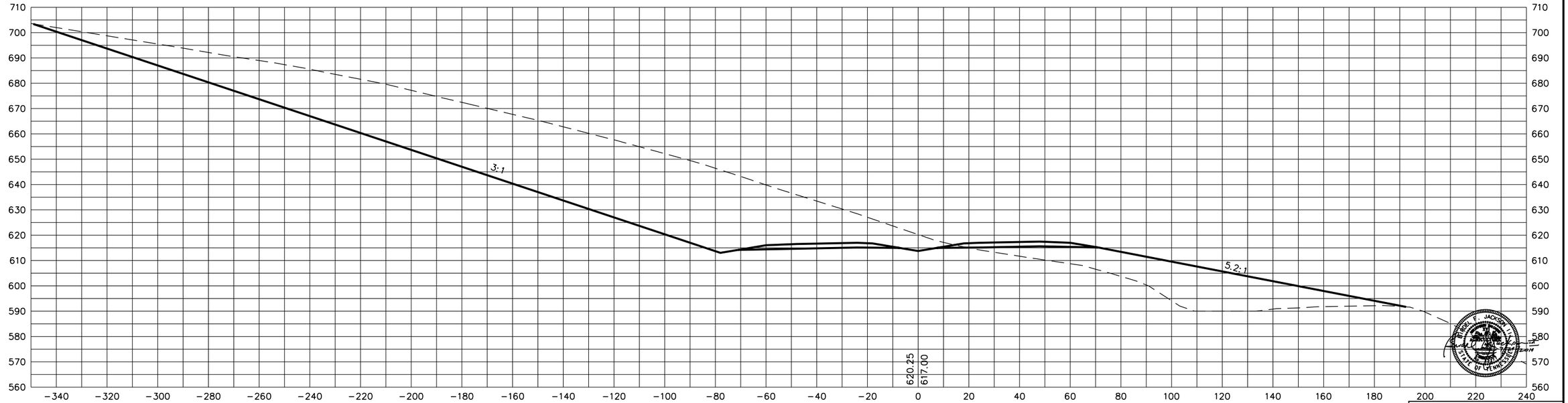
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	439
CONST	2014	36001-3290-14	

687+50



687+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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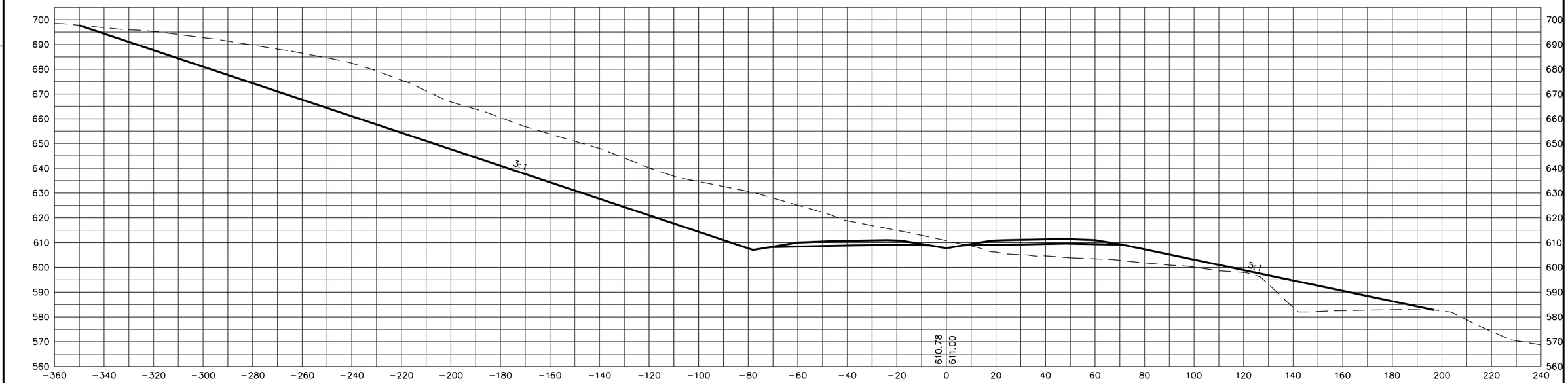
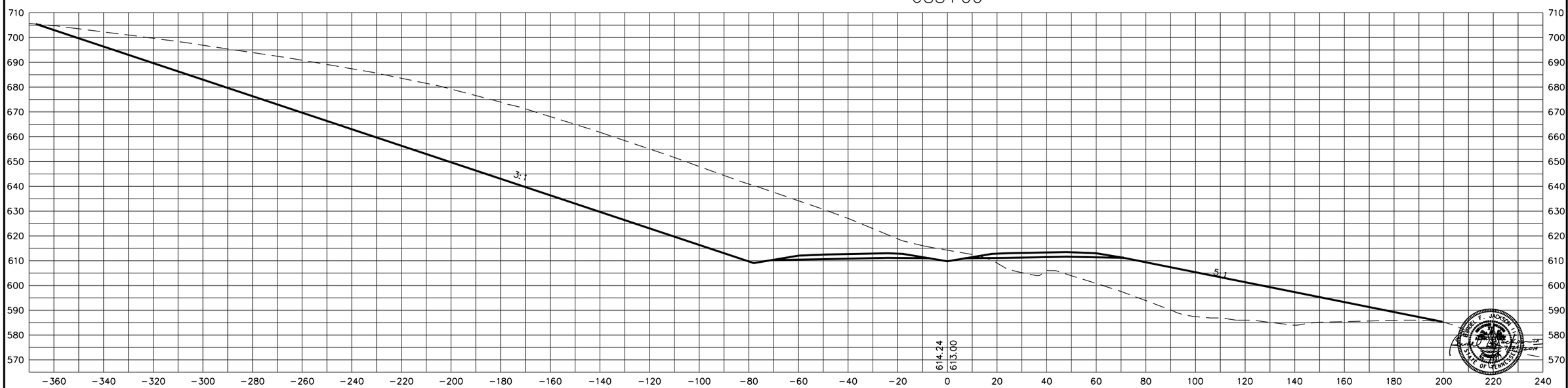
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	440
CONST	2014	36001-3290-14	

688+50



688+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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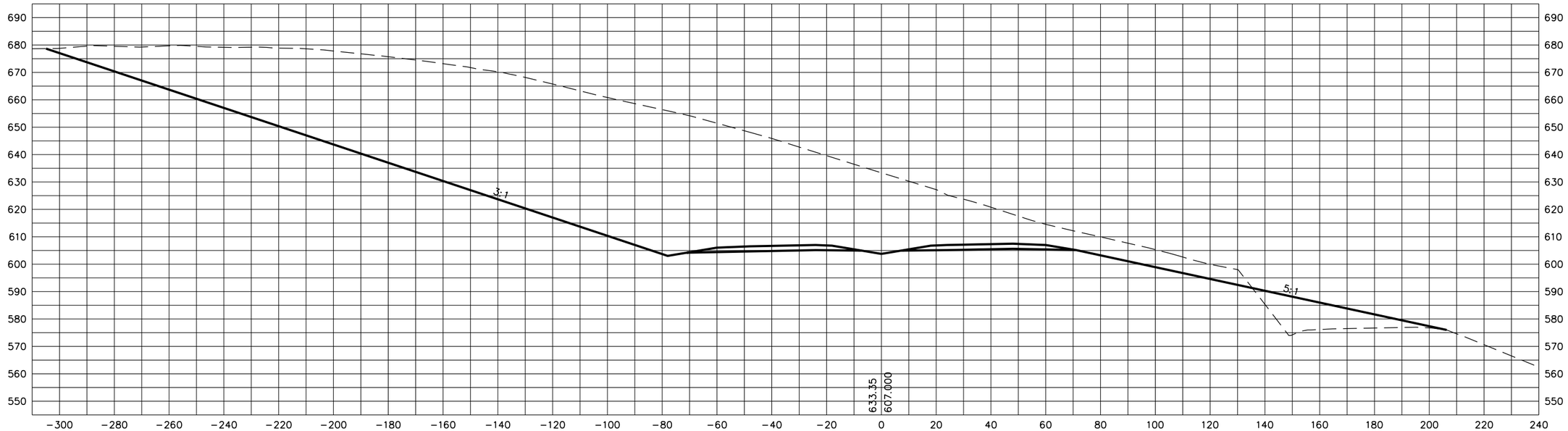
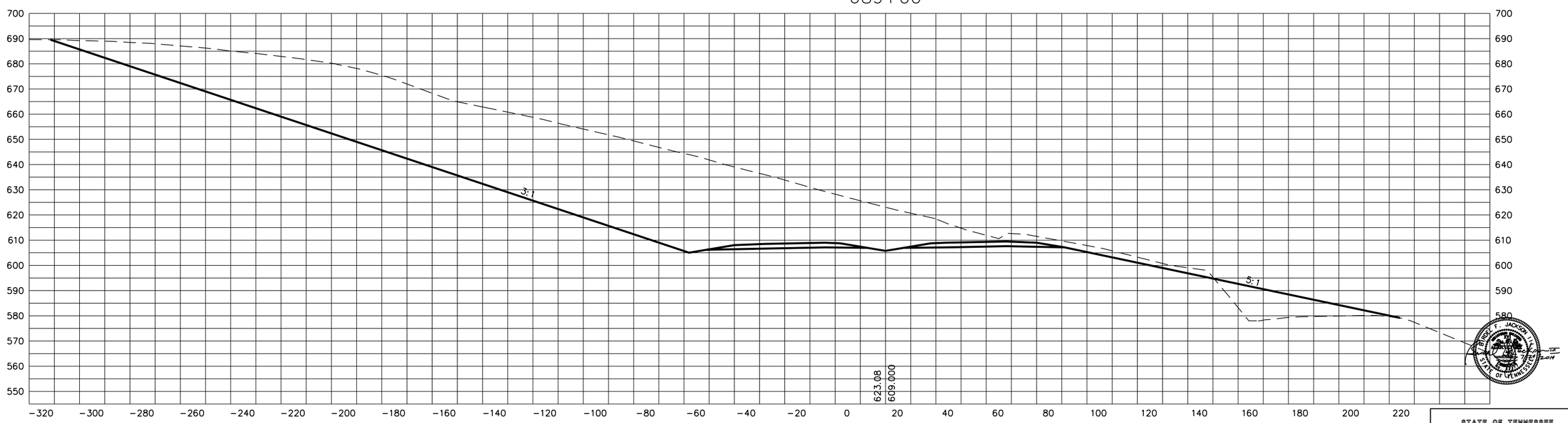
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	441
CONST	2014	36001-3290-14	

689+50



689+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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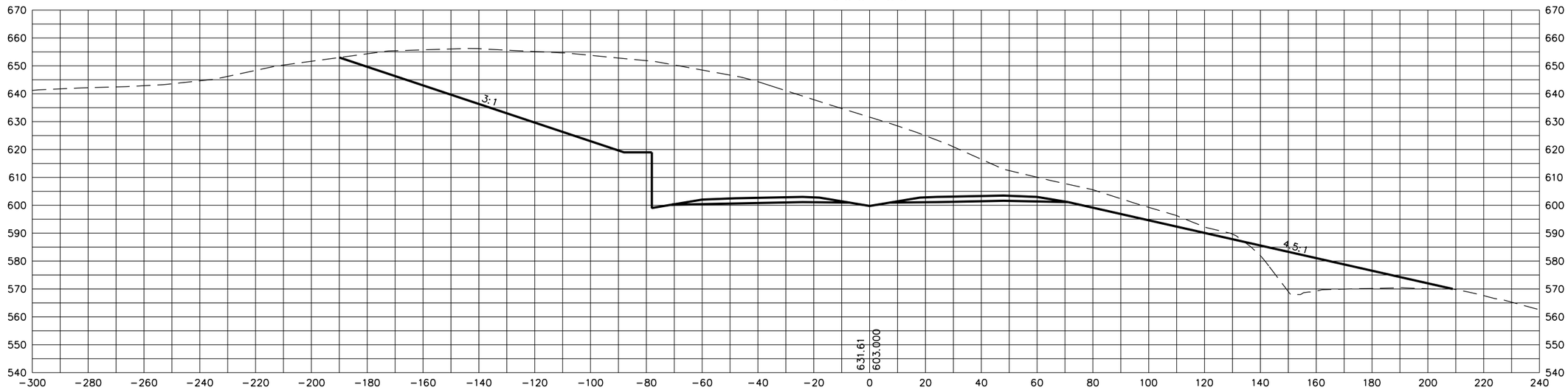
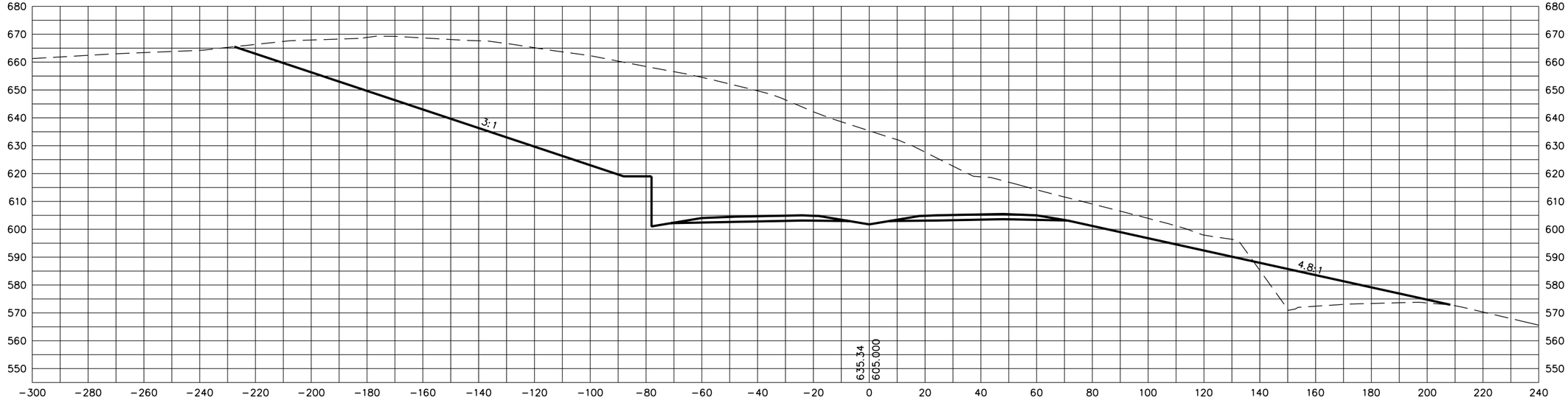
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	442
CONST	2014	36001-3290-14	

690+50



690+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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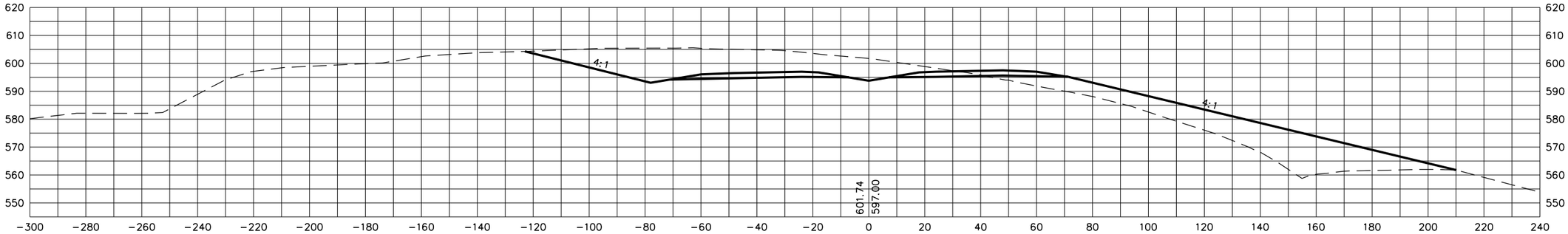
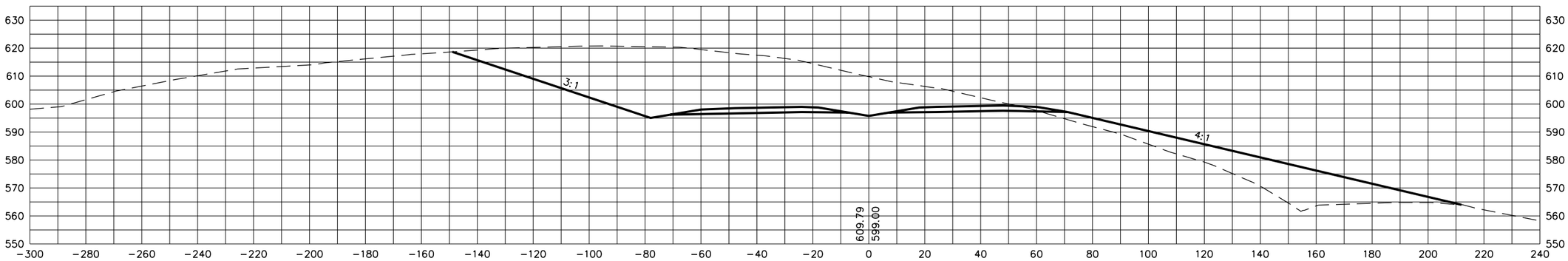
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	443
CONST	2014	36001-3290-14	

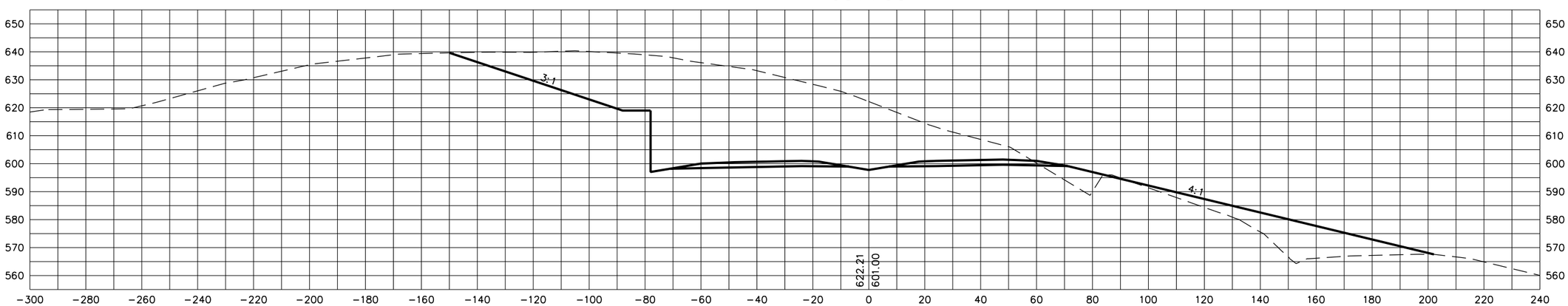
692+00



691+50



691+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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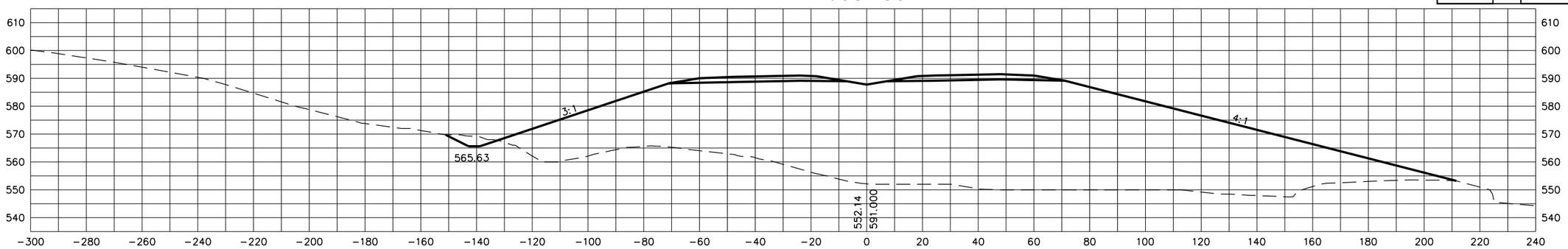
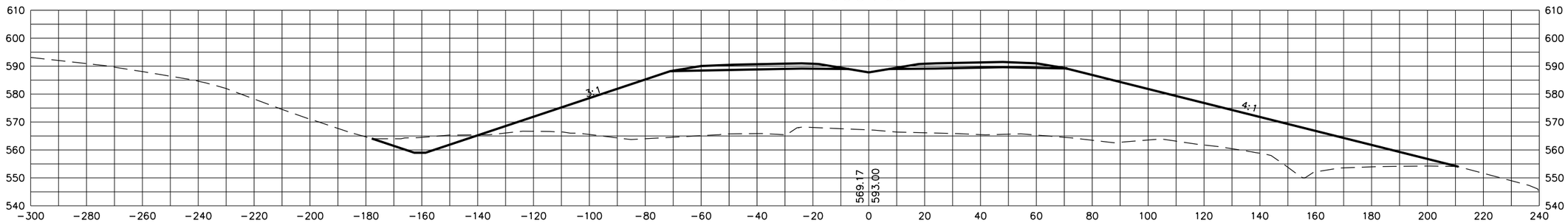
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	444
CONST	2014	36001-3290-14	

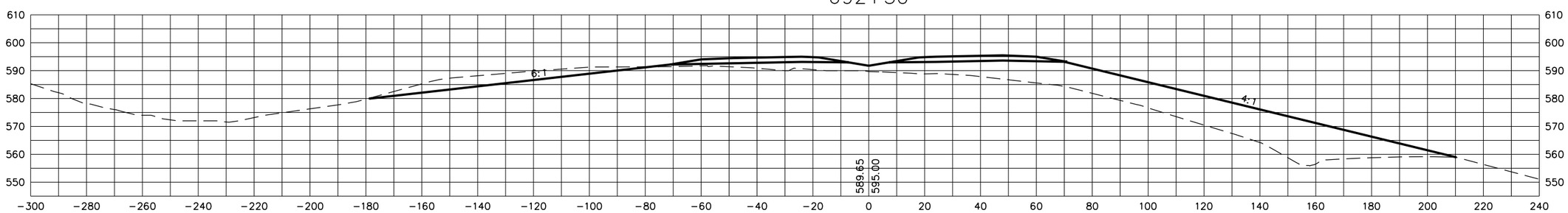
693+50



693+00



692+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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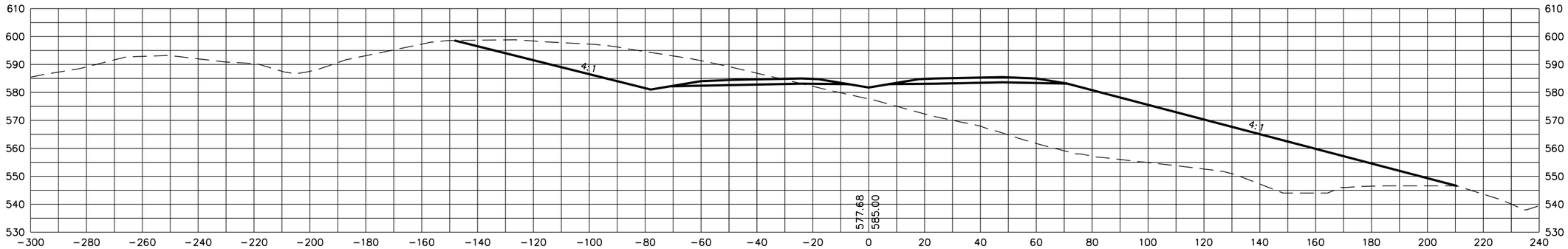
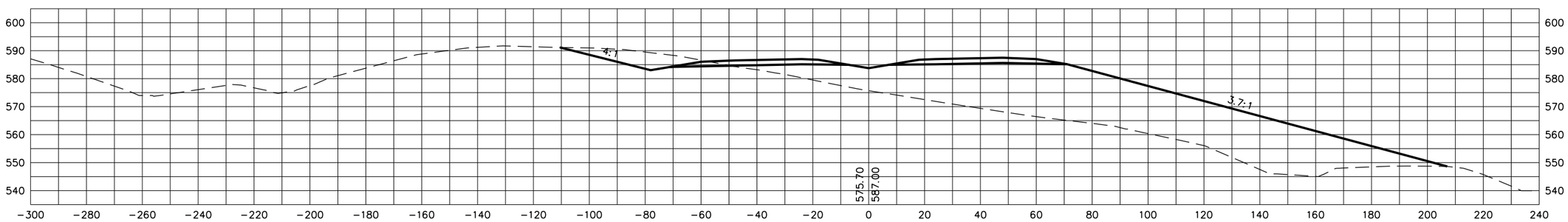
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	445
CONST	2014	36001-3290-14	

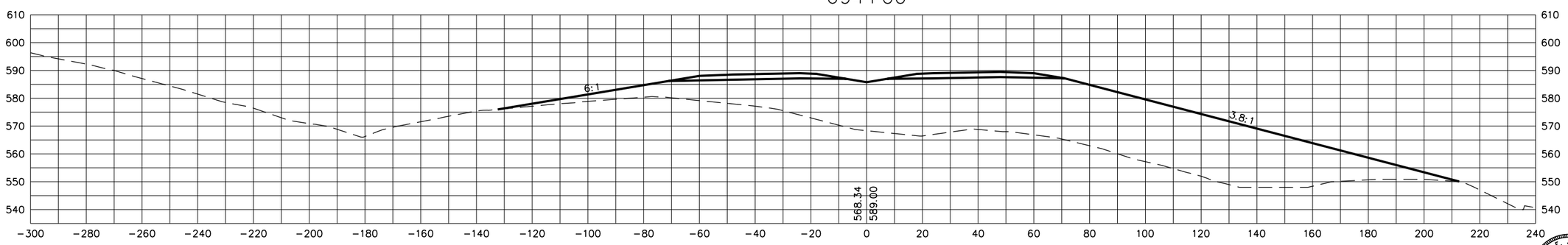
695+00



694+50



694+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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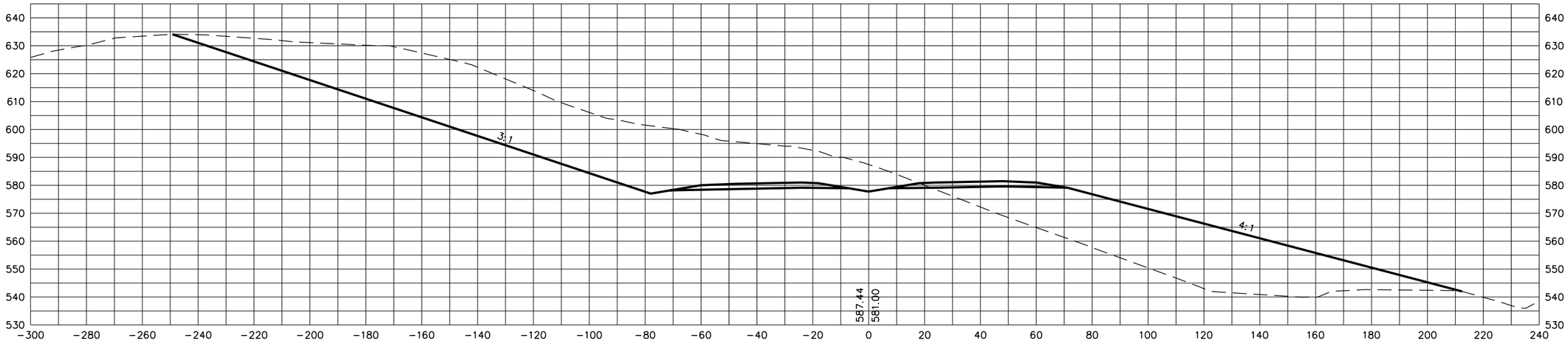
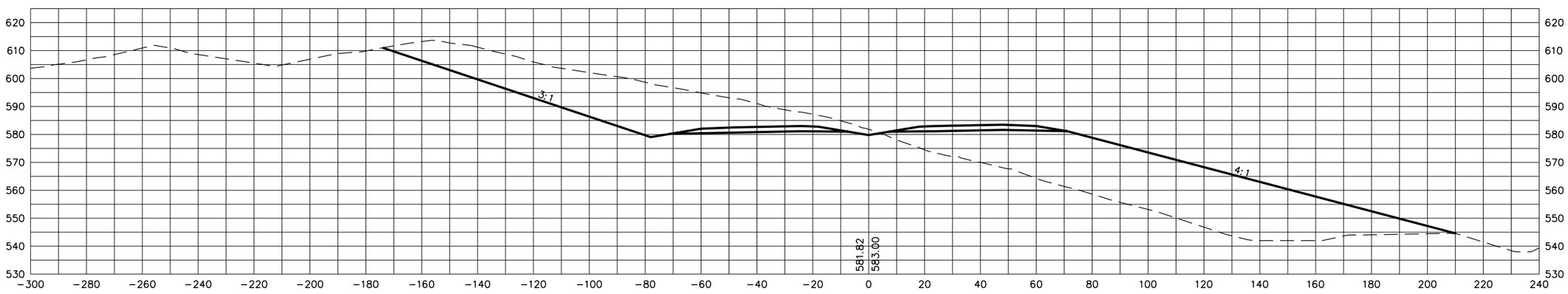
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	446
CONST	2014	36001-3290-14	

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

696+00



695+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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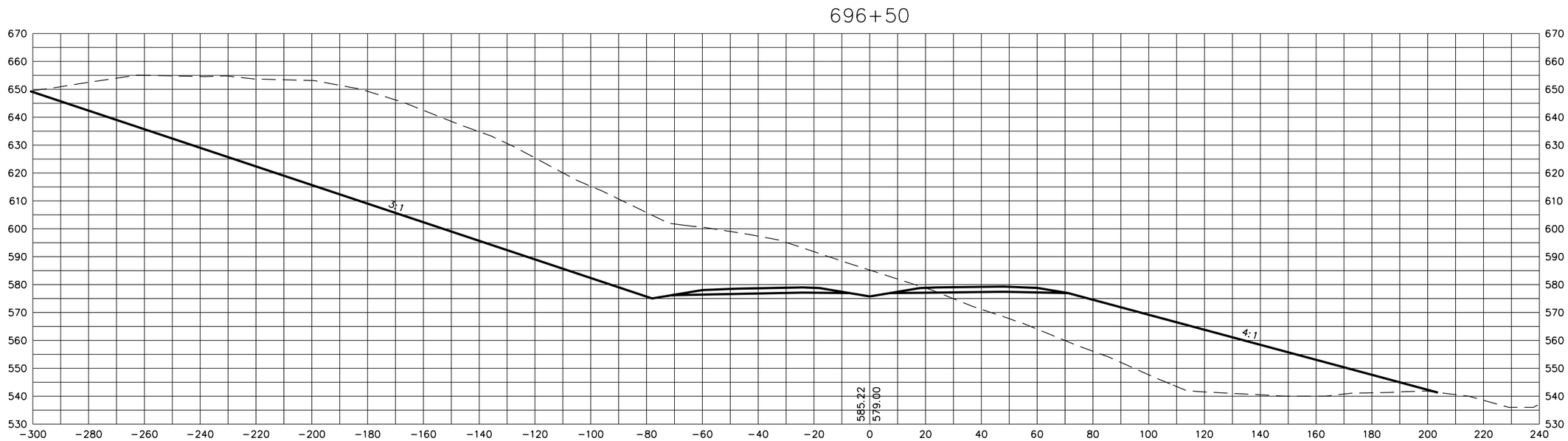
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	447
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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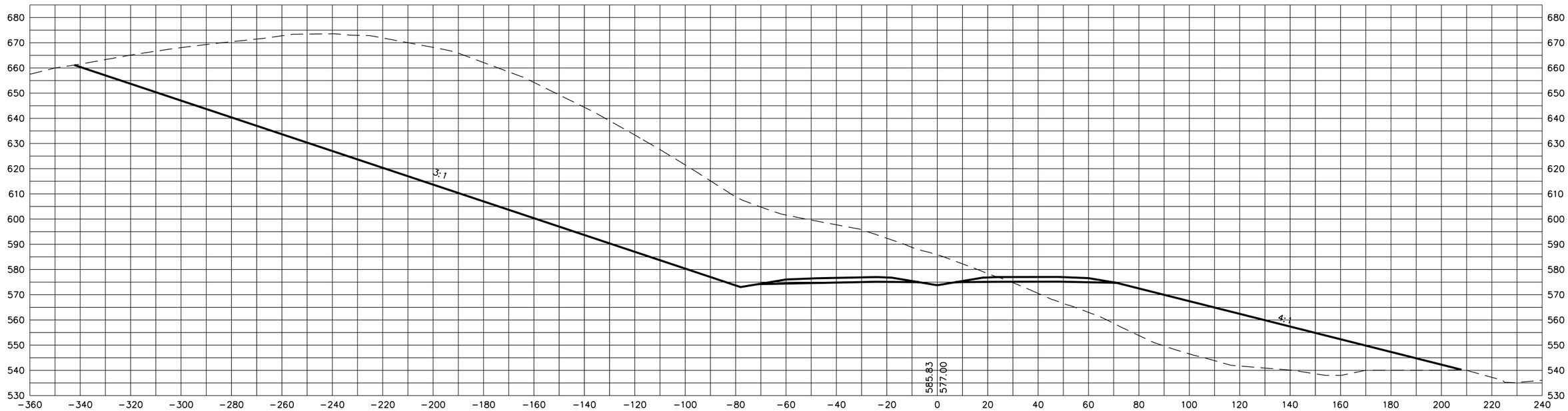
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	448
CONST	2014	36001-3290-14	

697+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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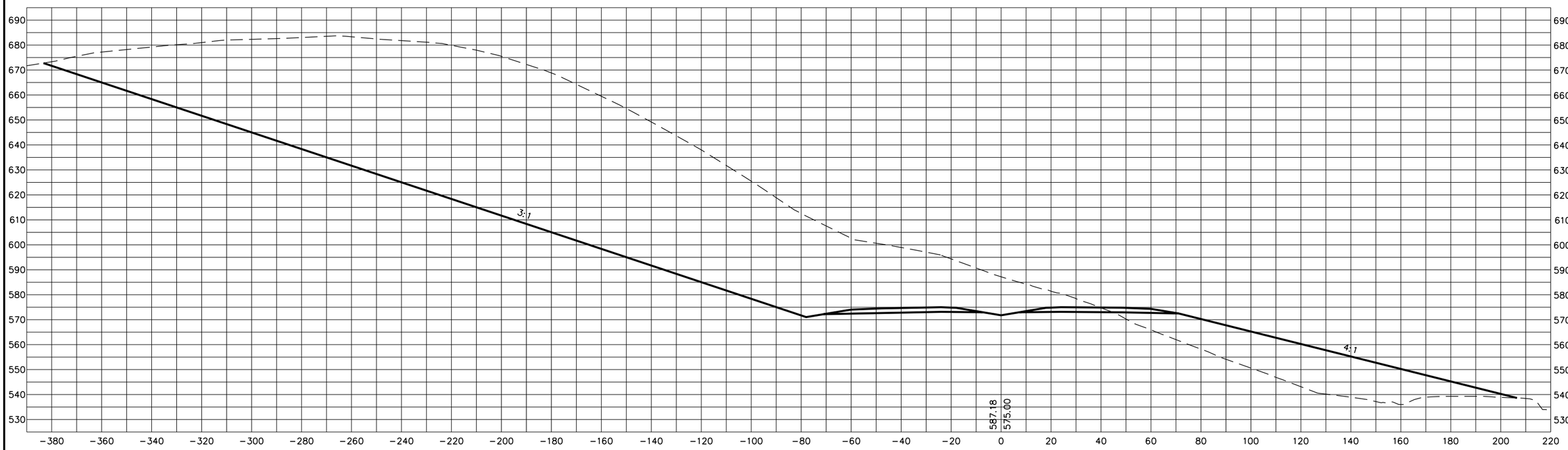
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	449
CONST	2014	36001-3290-14	

697+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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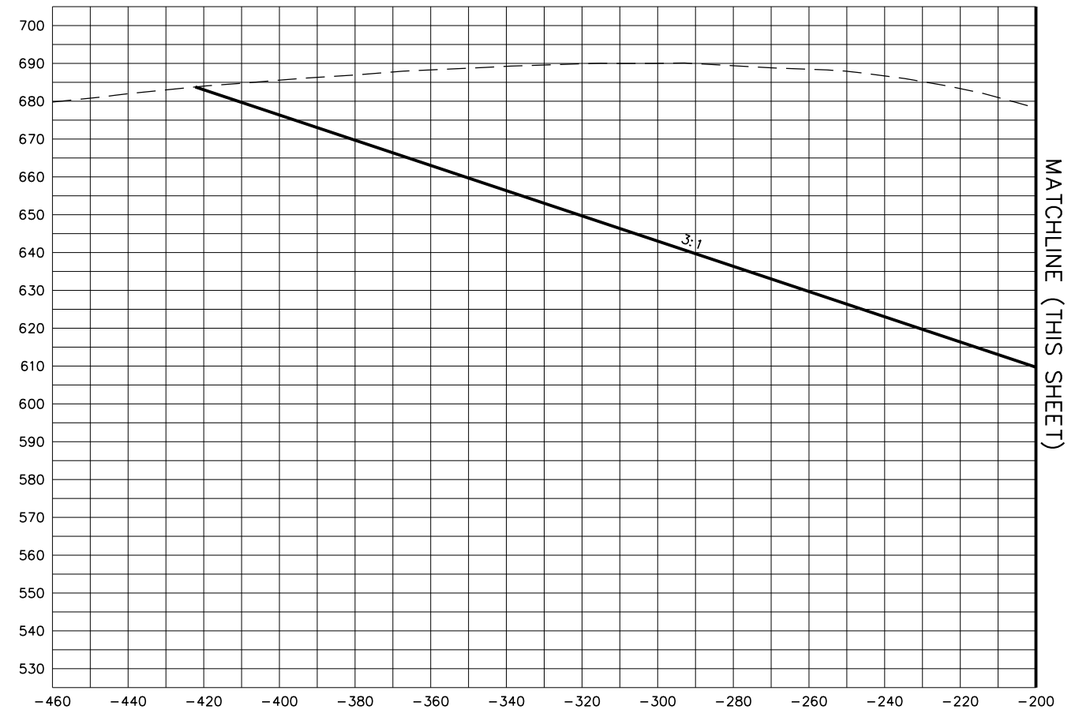
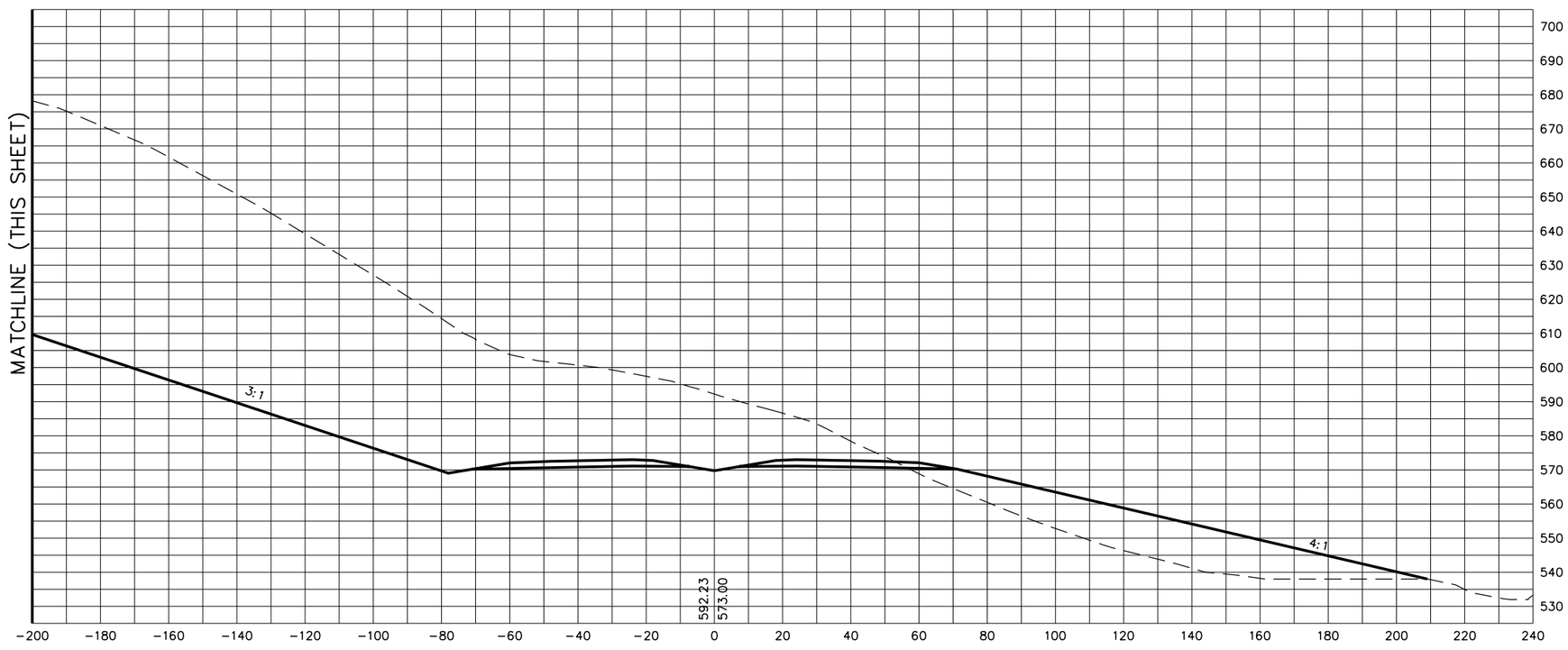
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	450
CONST	2014	36001-3290-14	

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



698+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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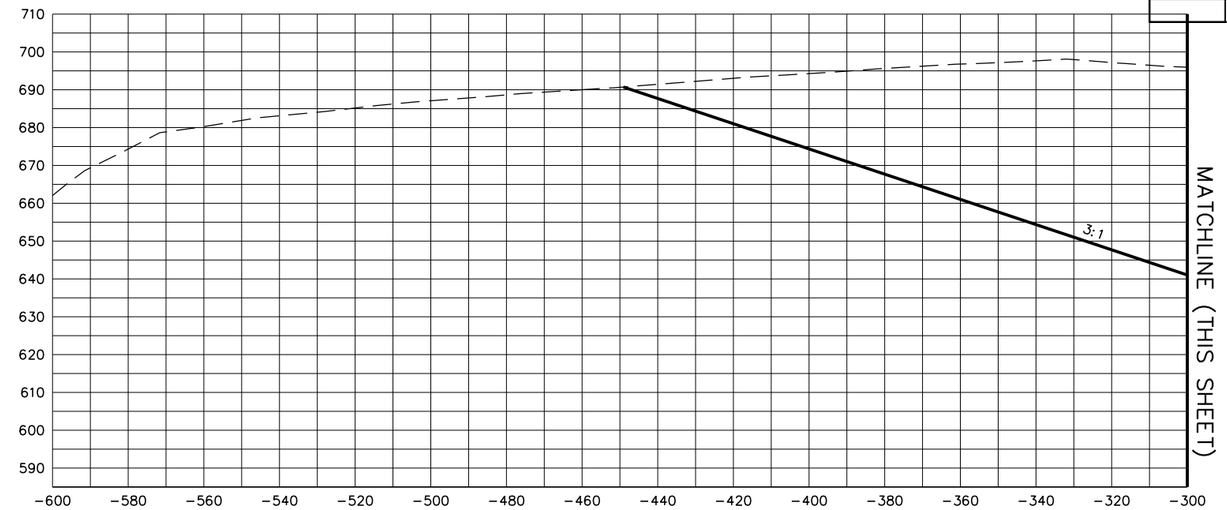
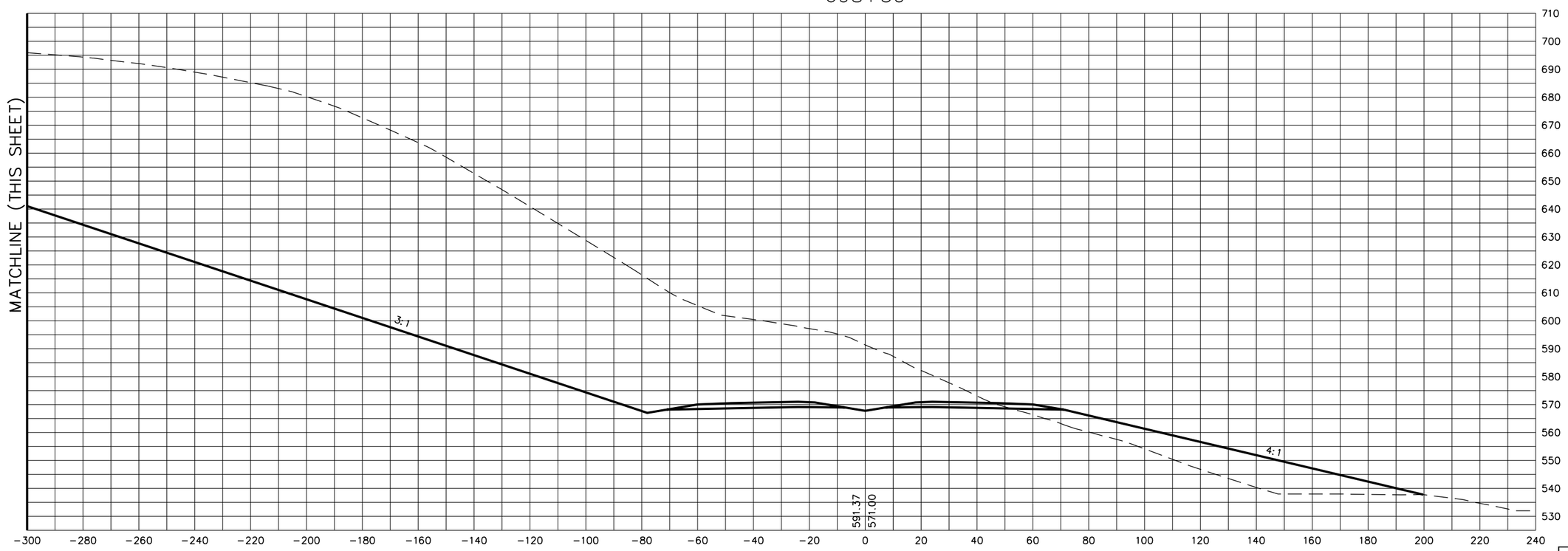
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	451
CONST	2014	36001-3290-14	

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



698+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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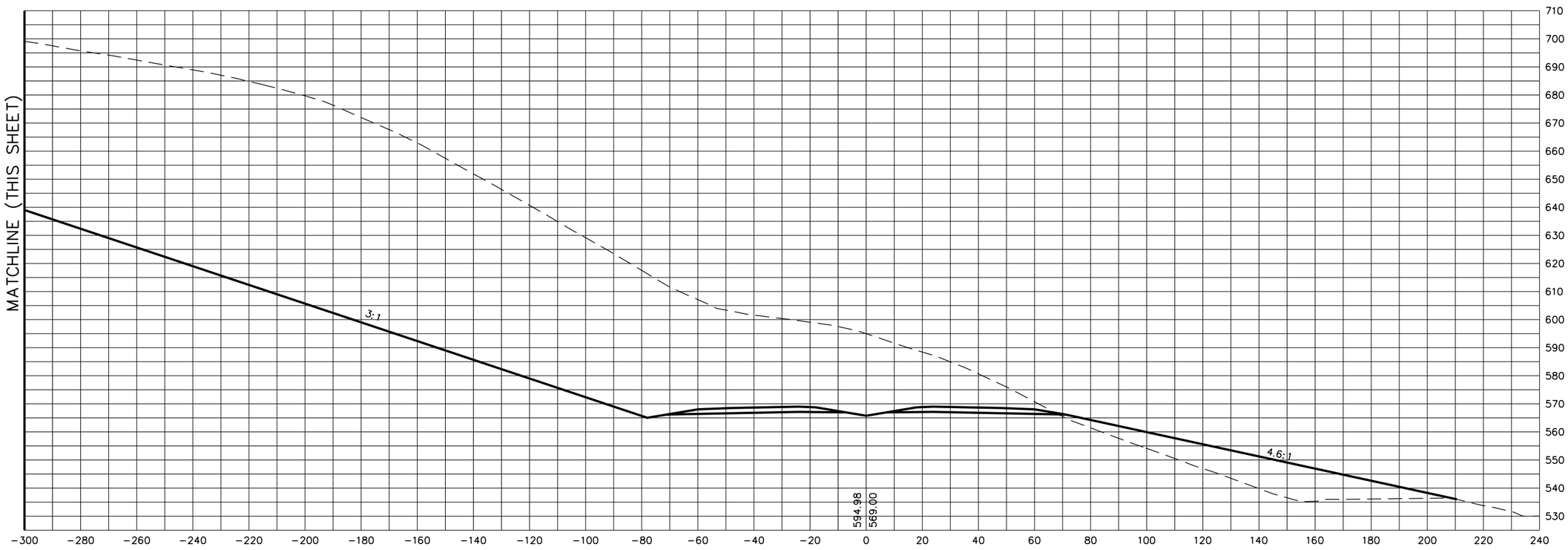
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	452
CONST	2014	36001-3290-14	

699+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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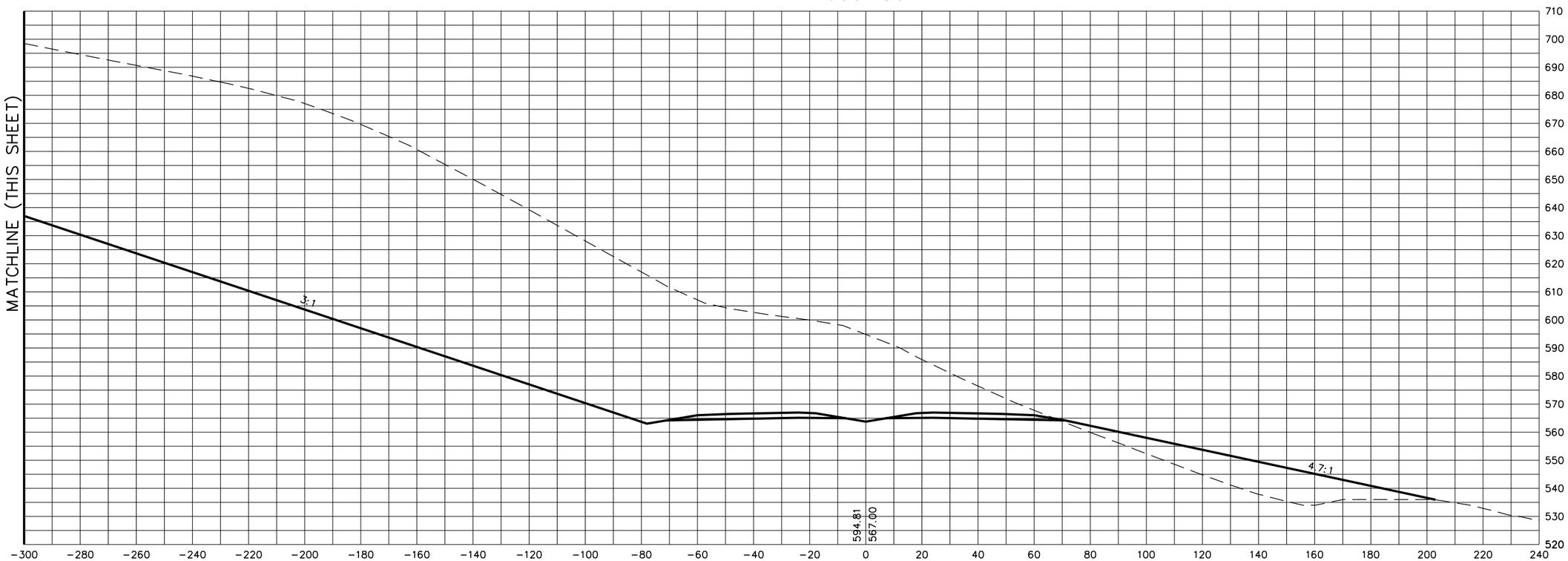
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	453
CONST	2014	36001-3290-14	

699+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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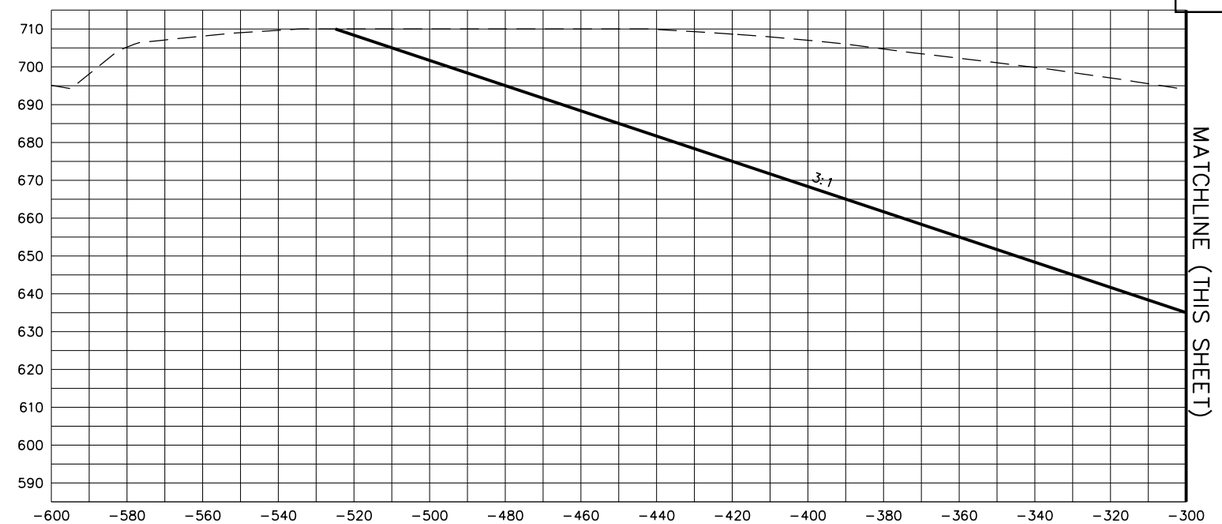
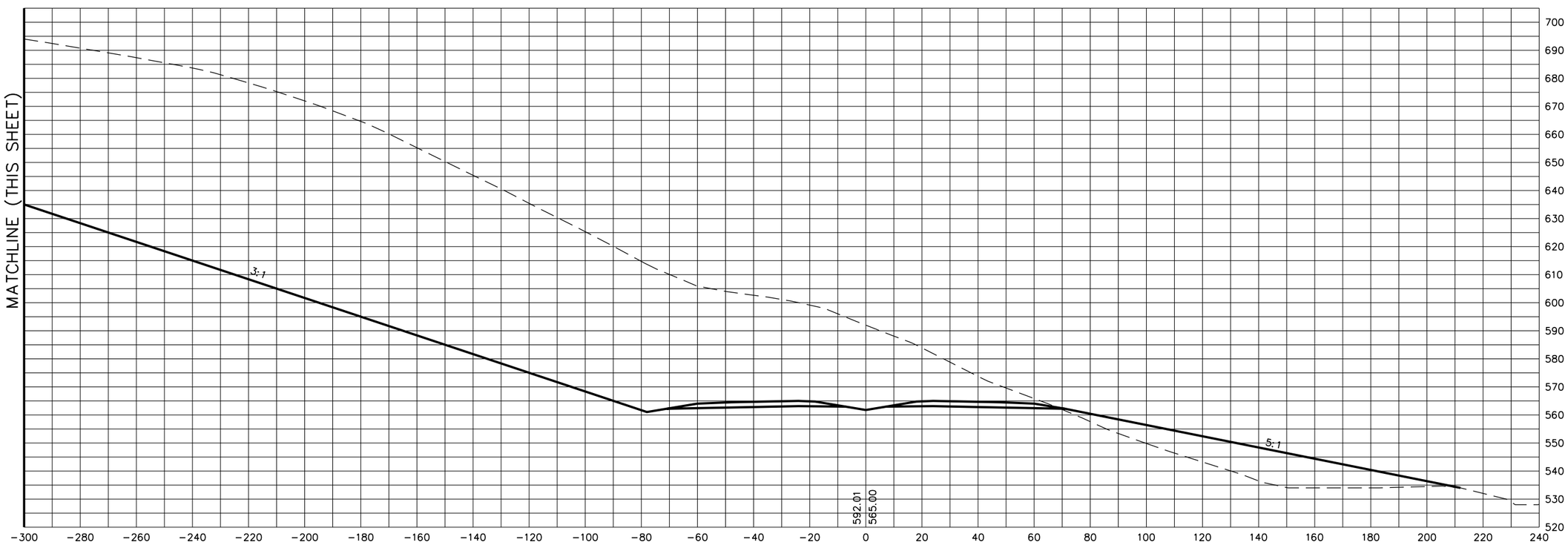
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	454
CONST	2014	36001-3290-14	



700+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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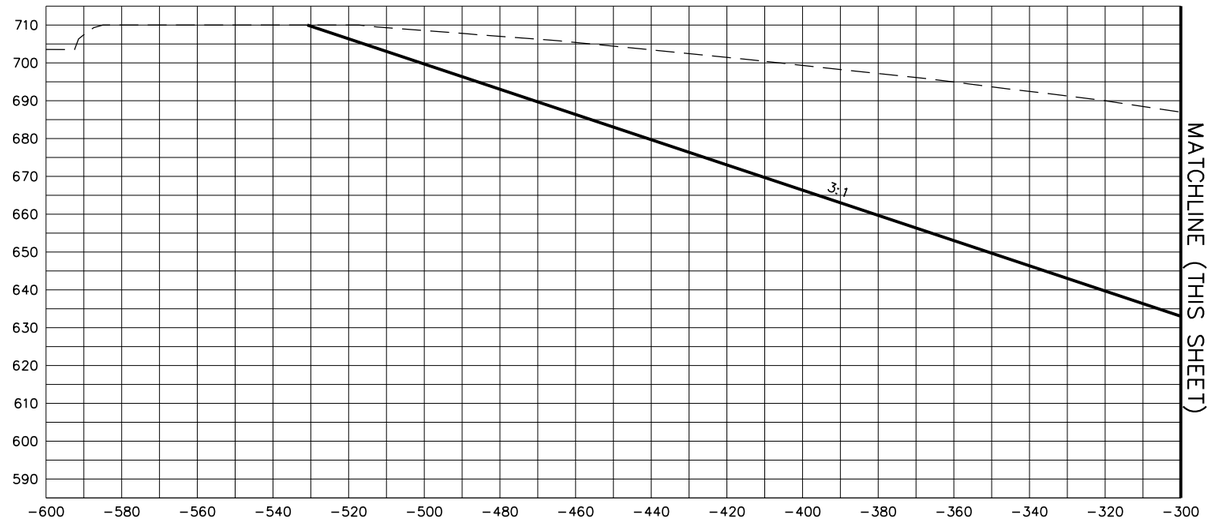
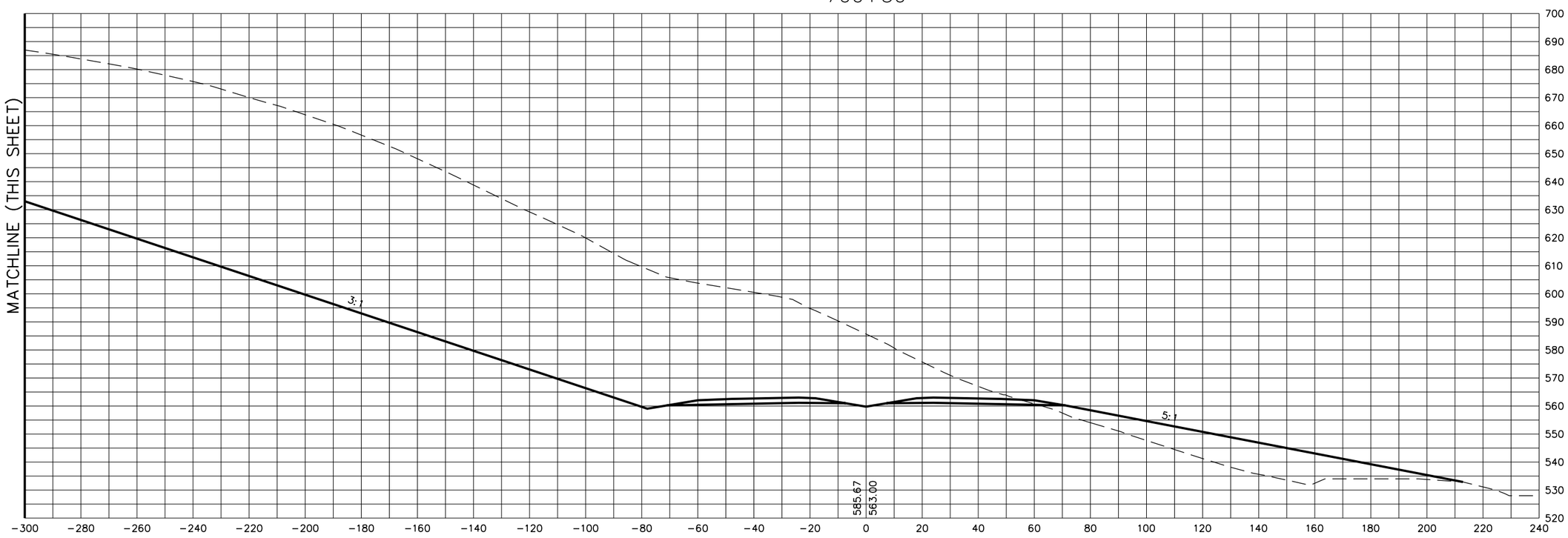
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	455
CONST	2014	36001-3290-14	

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



700+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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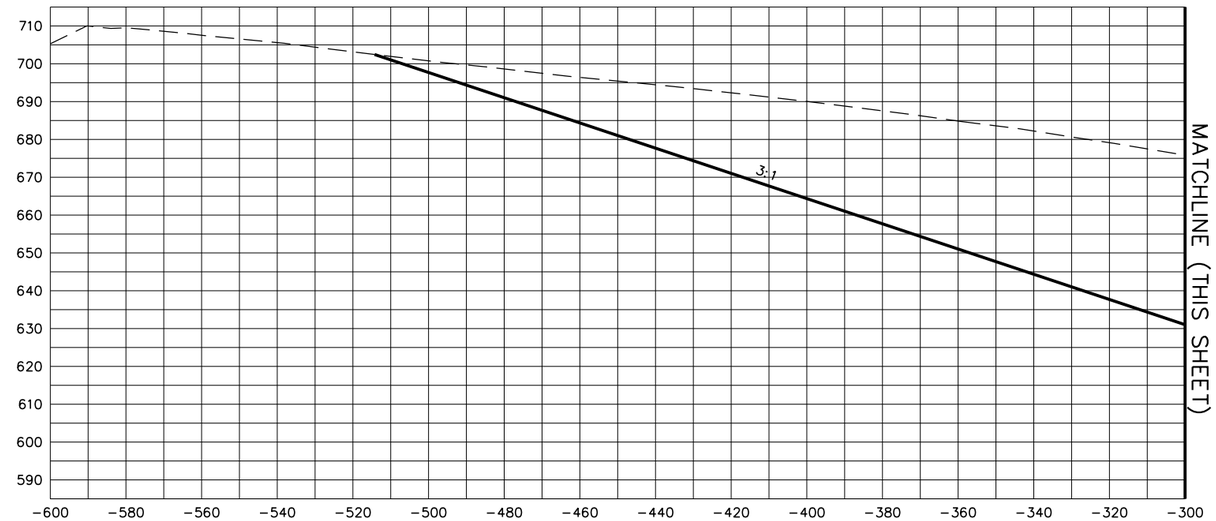
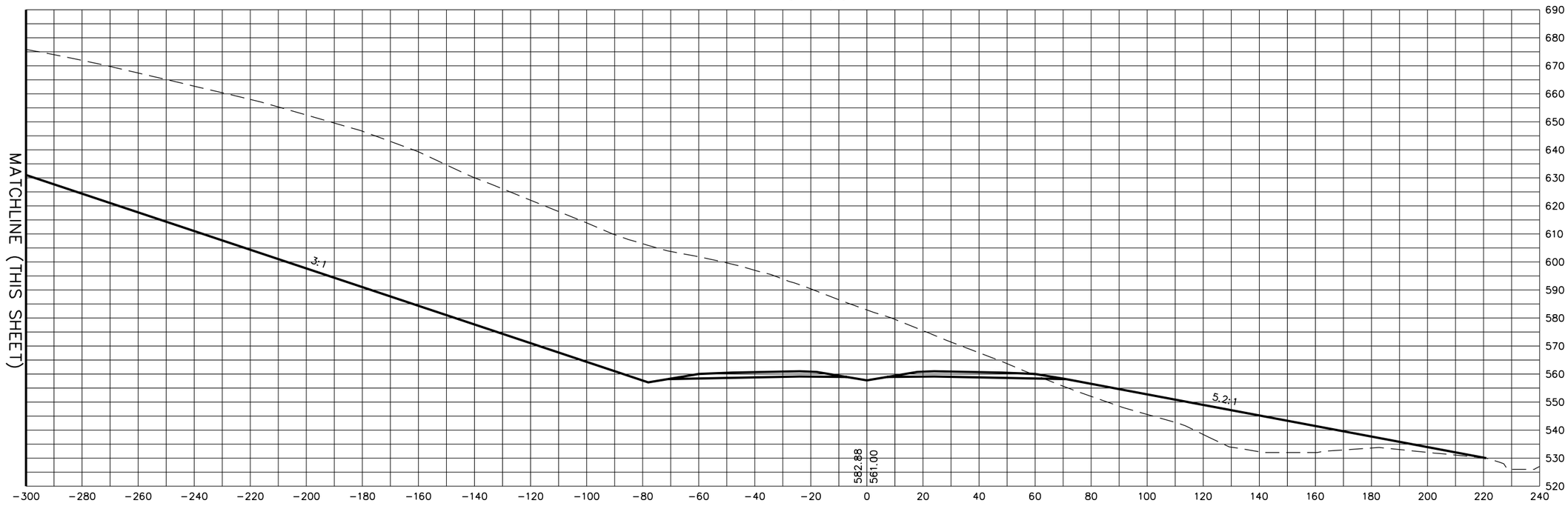
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	456
CONST	2014	36001-3290-14	



701+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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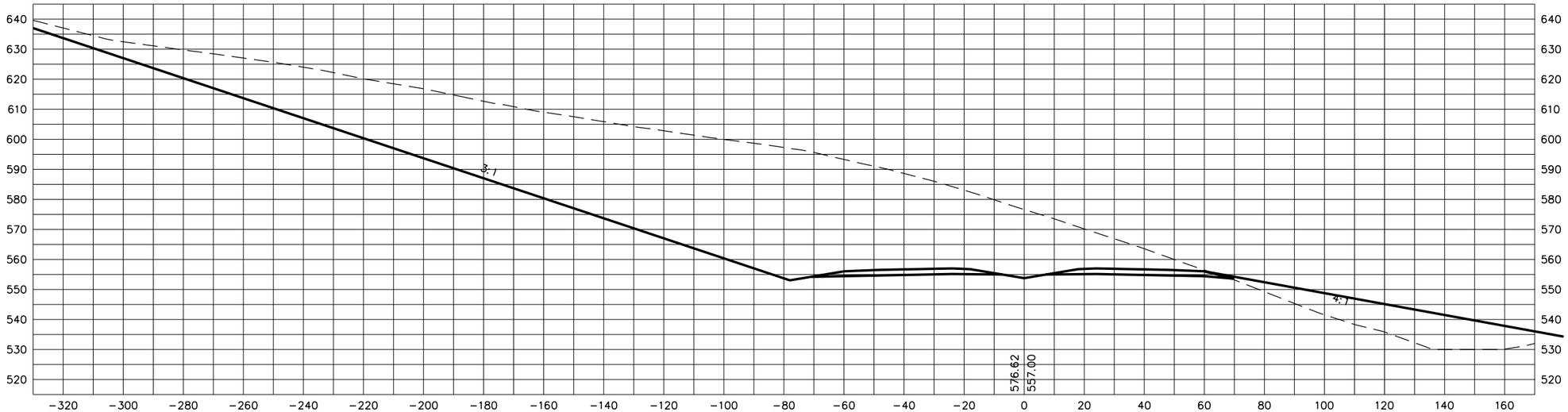
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	457
CONST	2014	36001-3290-14	

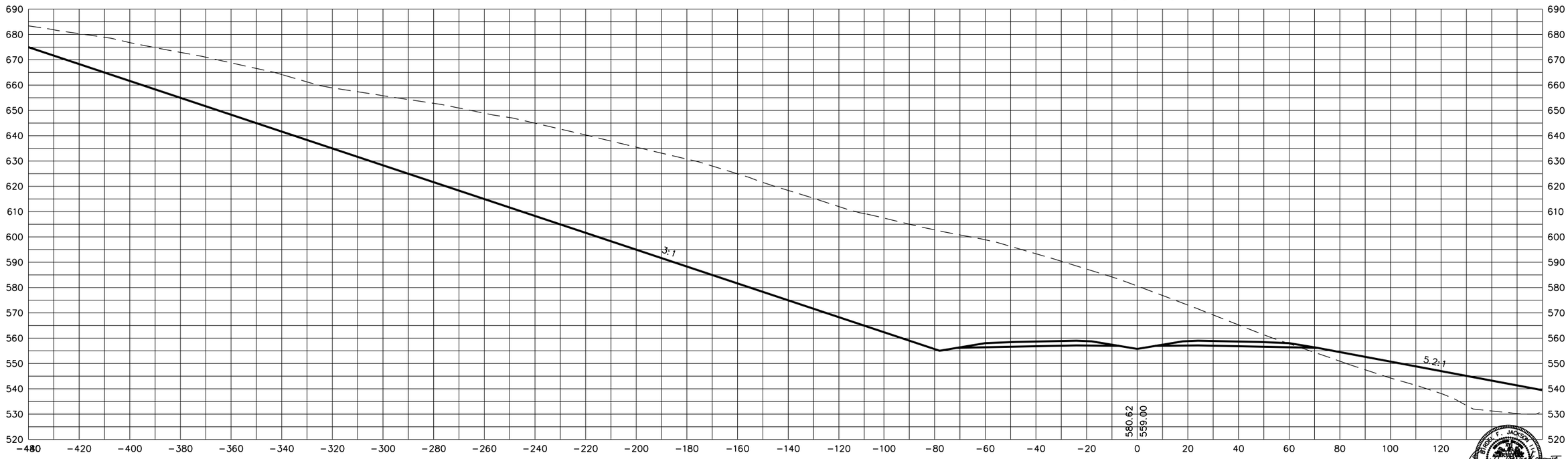
5-7-12

REVISED CROSS SECTION
AT STA. 702+00

702+00



701+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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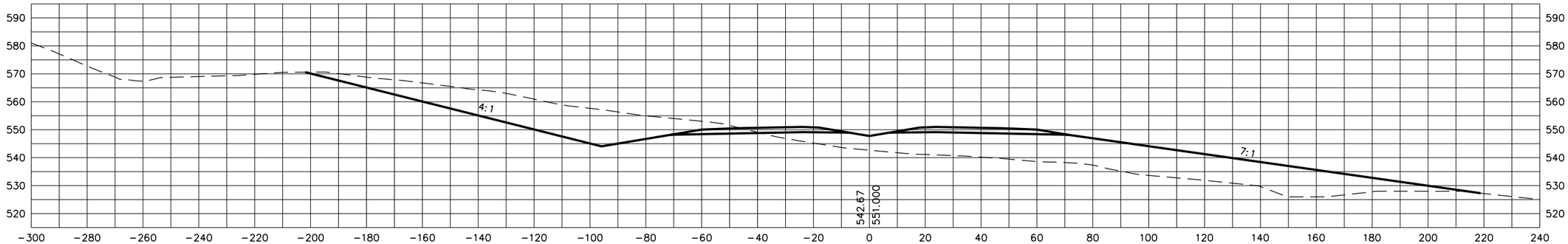
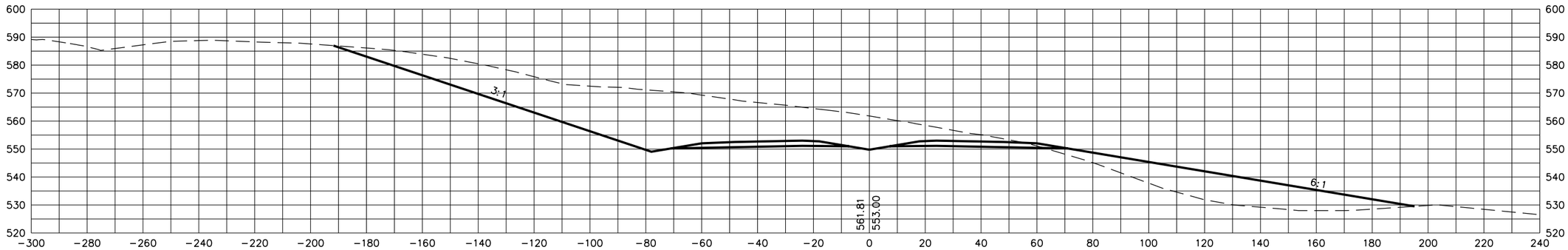
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	458
CONST	2014	36001-3290-14	

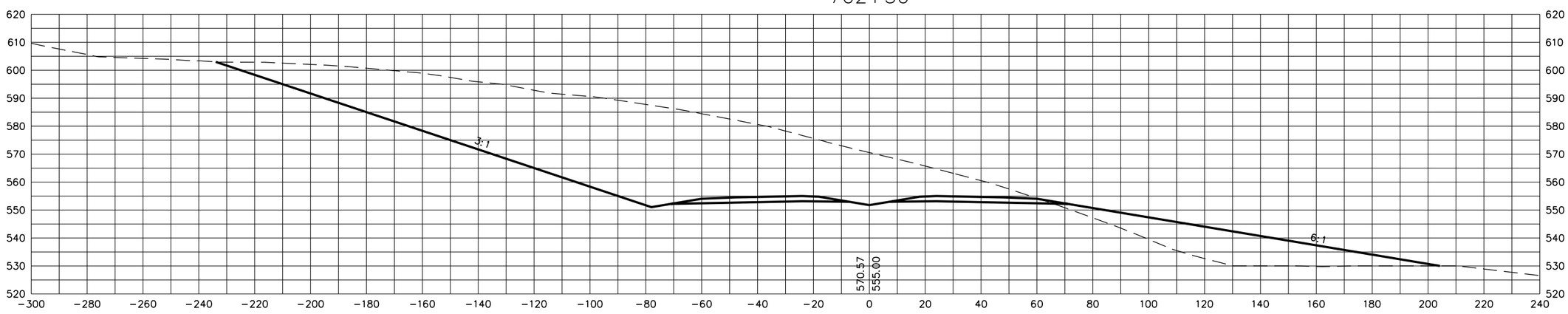
703+50



703+00



702+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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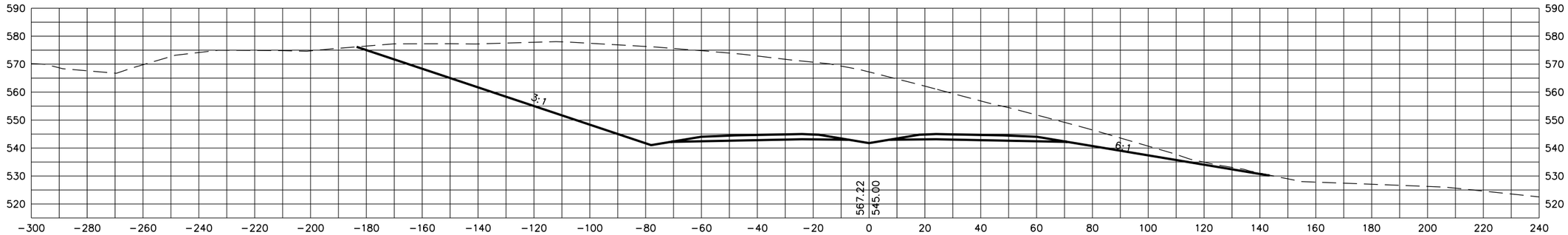
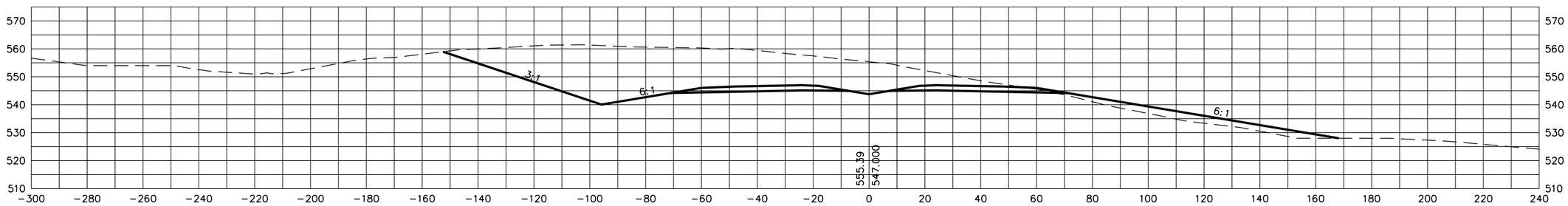
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	459
CONST	2014	36001-3290-14	

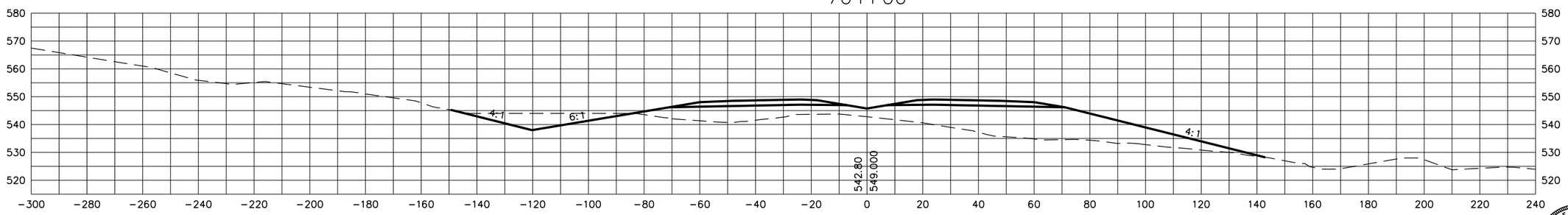
705+00



704+50



704+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

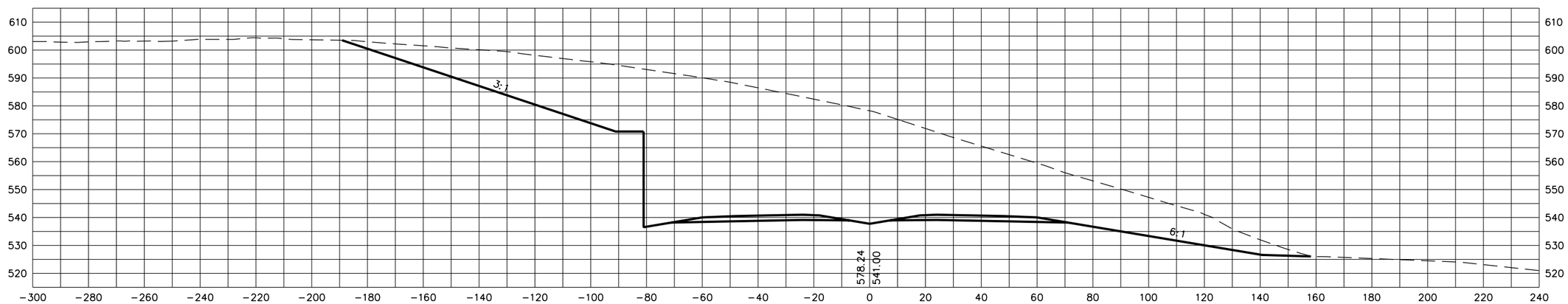
SCALE: 1"=20' H, 20' V

8/20/2014
C:\BEYONDSITES ENGINEERING\2011\11005BEJ-Parker1099\DESIGN\main_xsxns_SR15.dgn

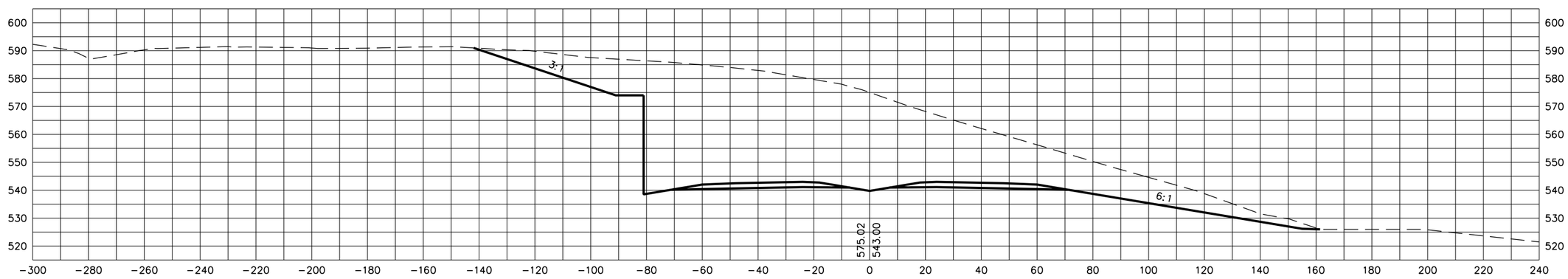
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	460
CONST	2014	36001-3290-14	

706+00



705+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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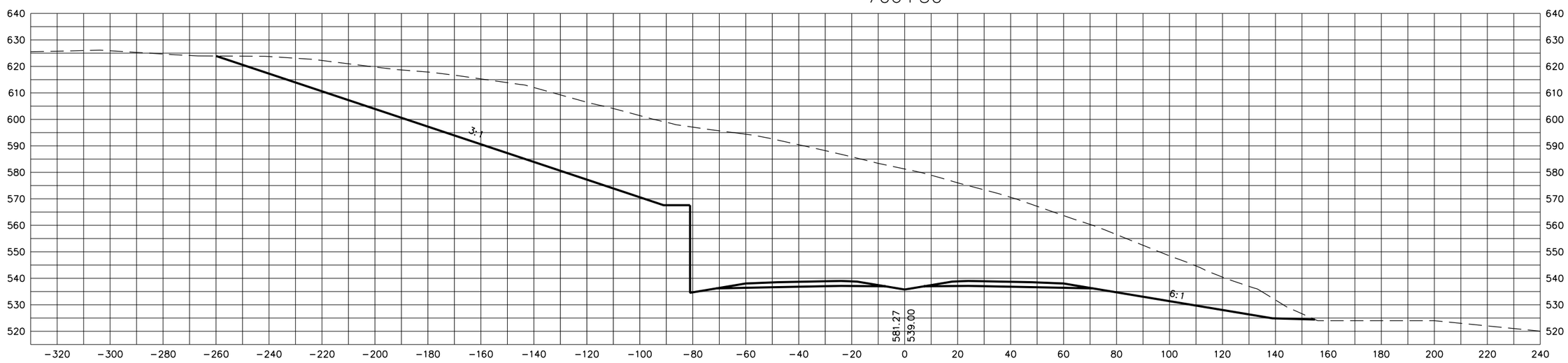
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	461
CONST	2014	36001-3290-14	

706+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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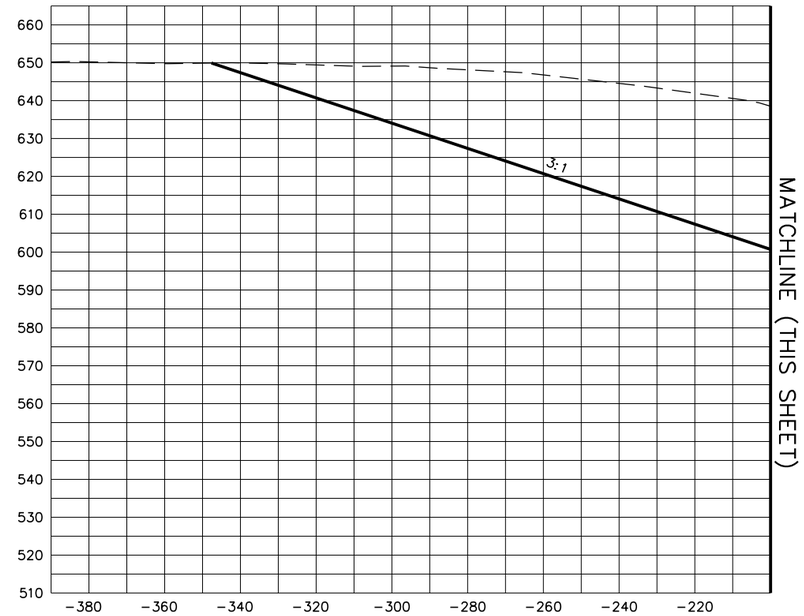
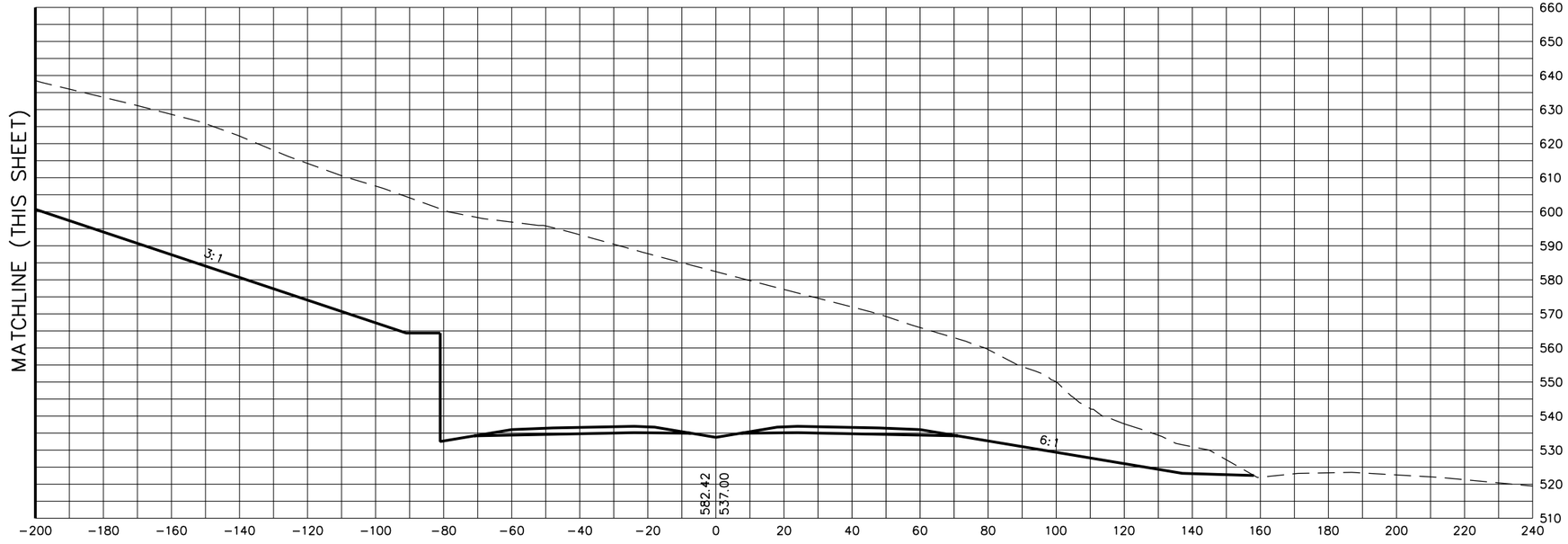
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	462
CONST	2014	36001-3290-14	



707+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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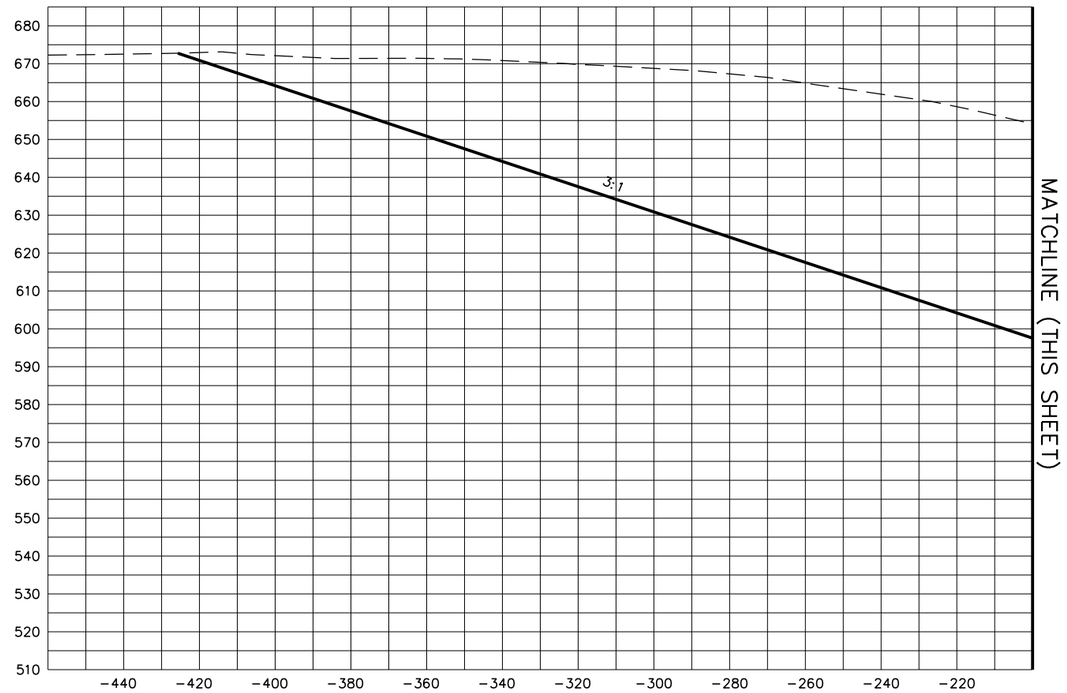
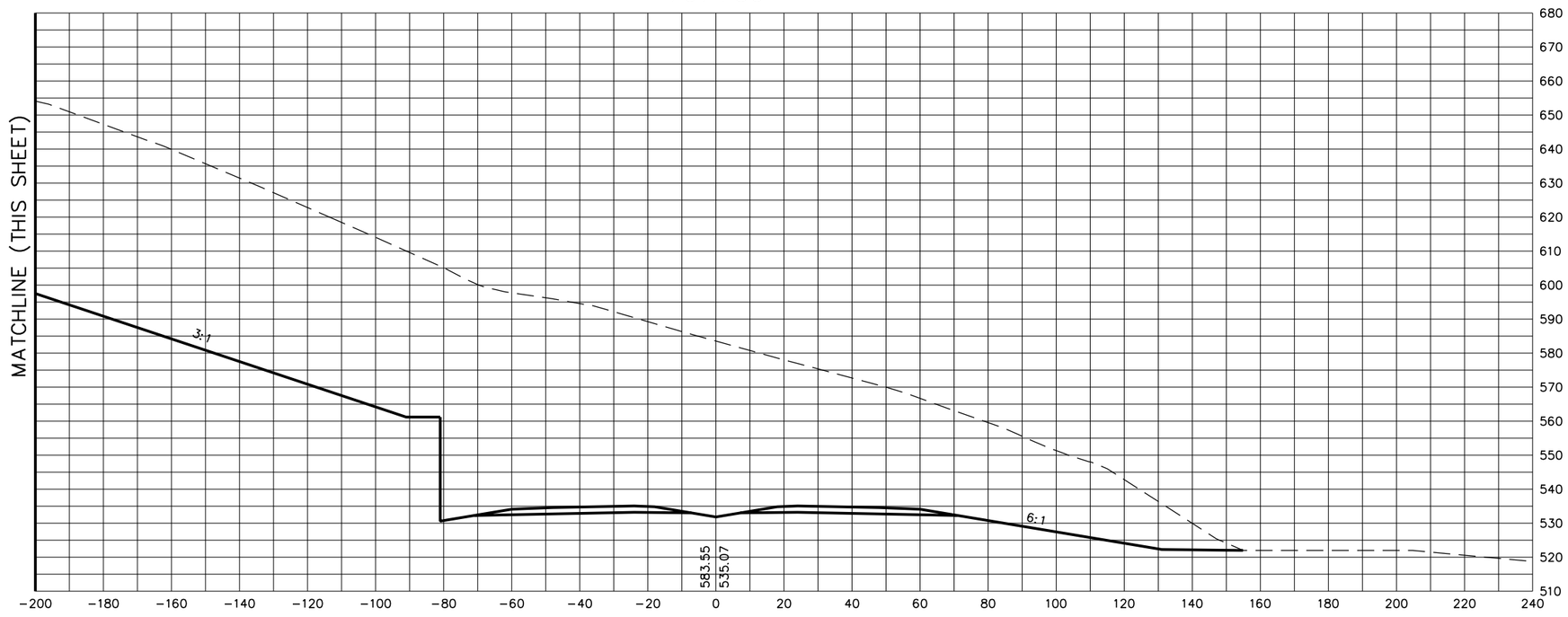
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	463
CONST	2014	36001-3290-14	

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



707+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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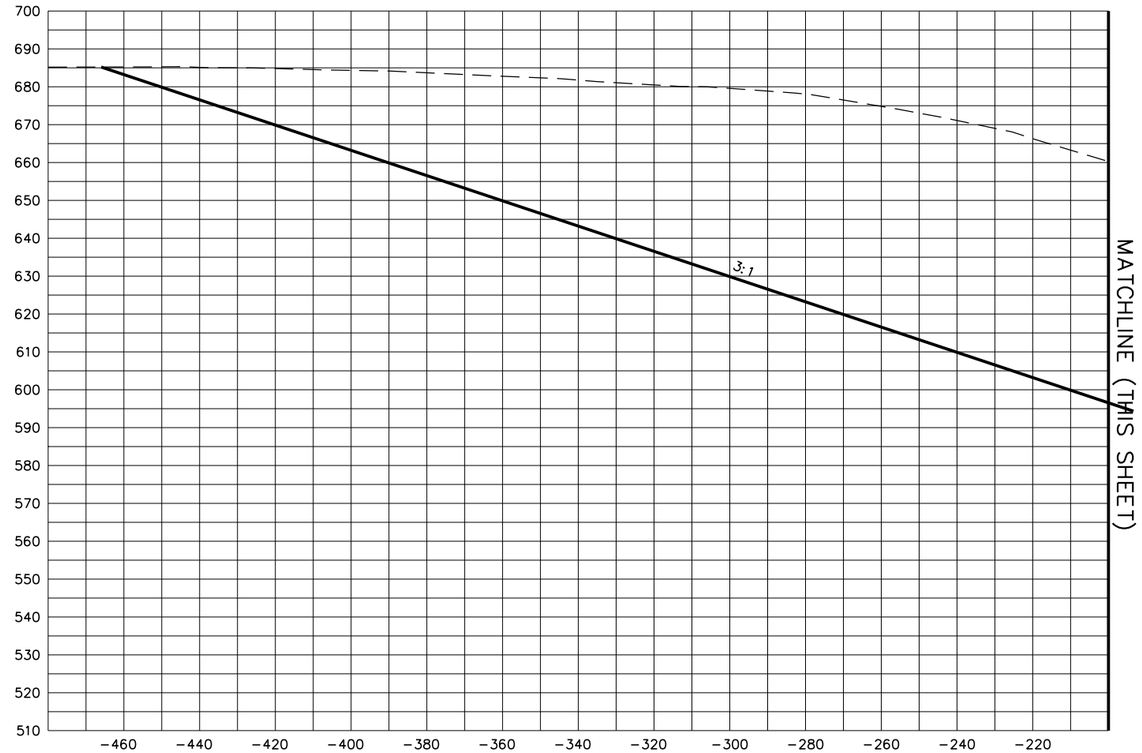
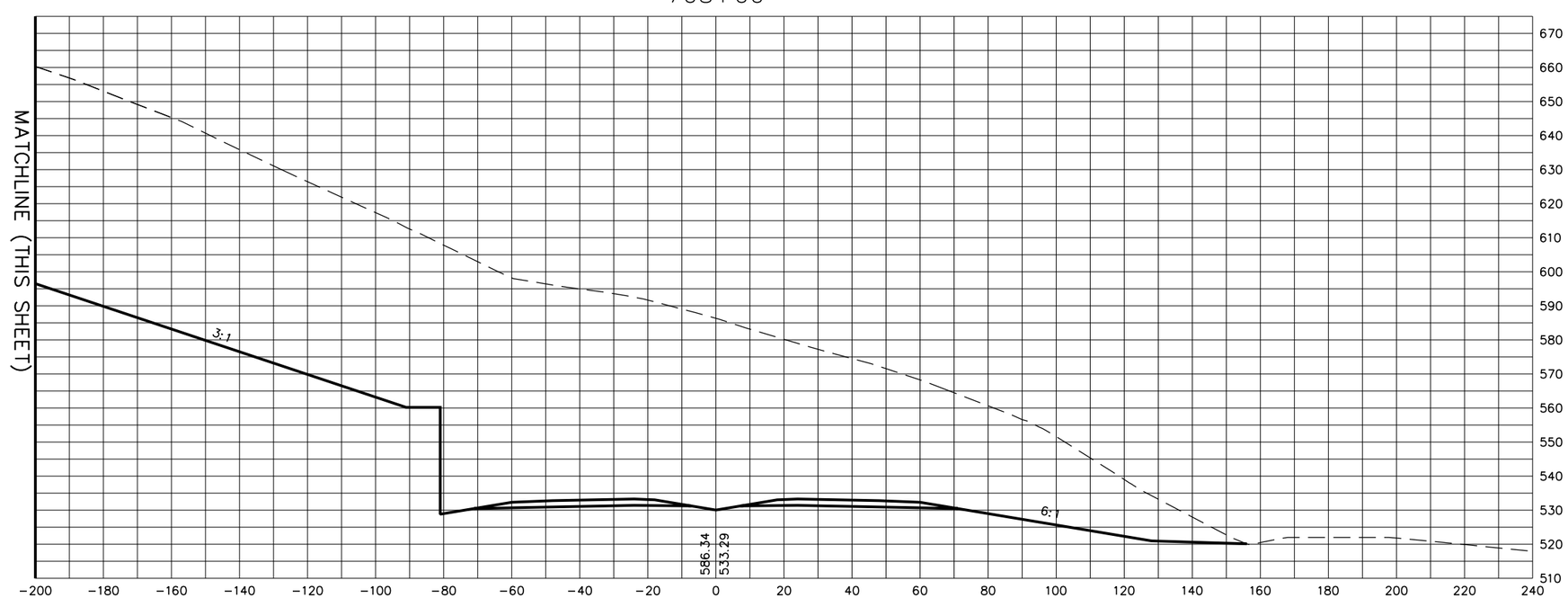
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	464
CONST	2014	36001-3290-14	



708+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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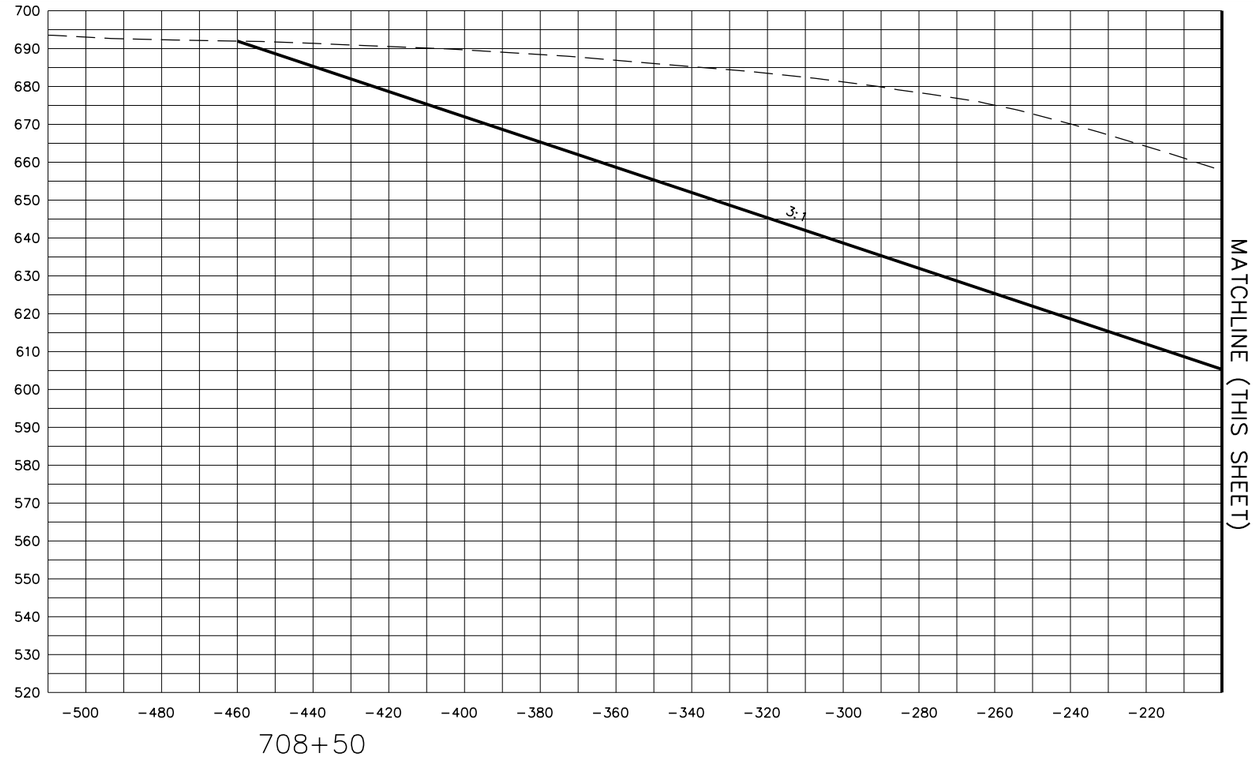
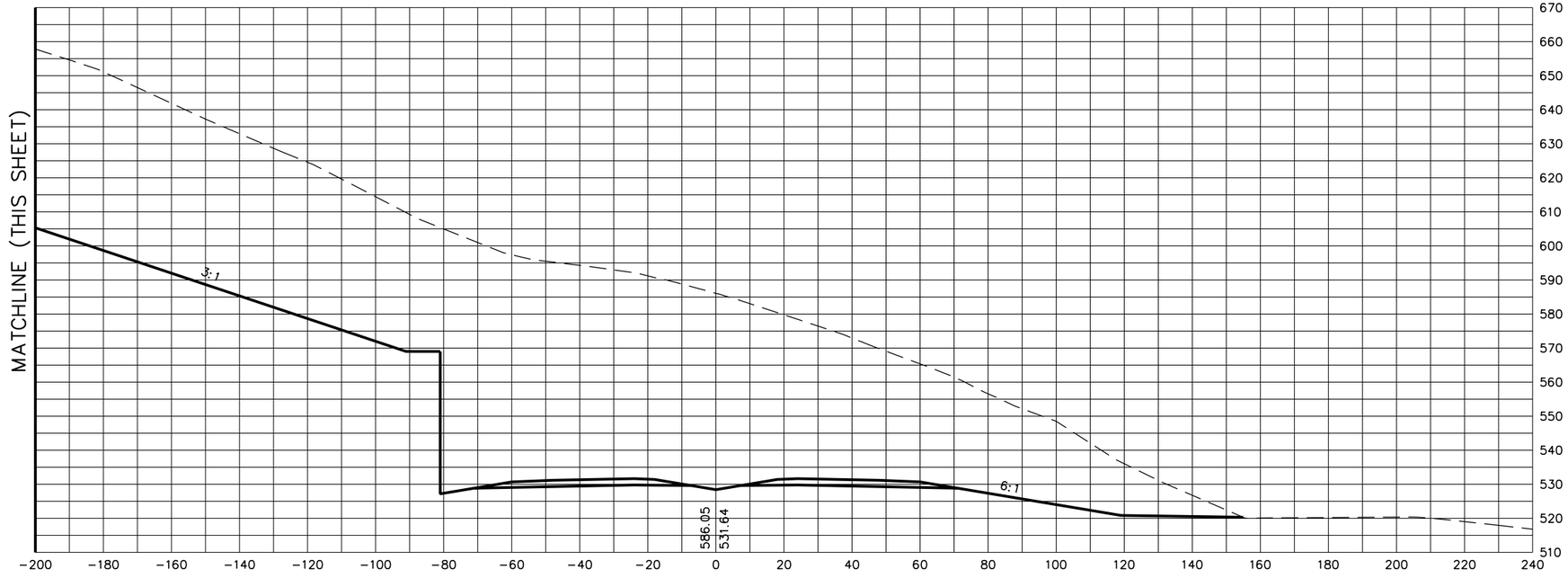
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	465
CONST	2014	36001-3290-14	





STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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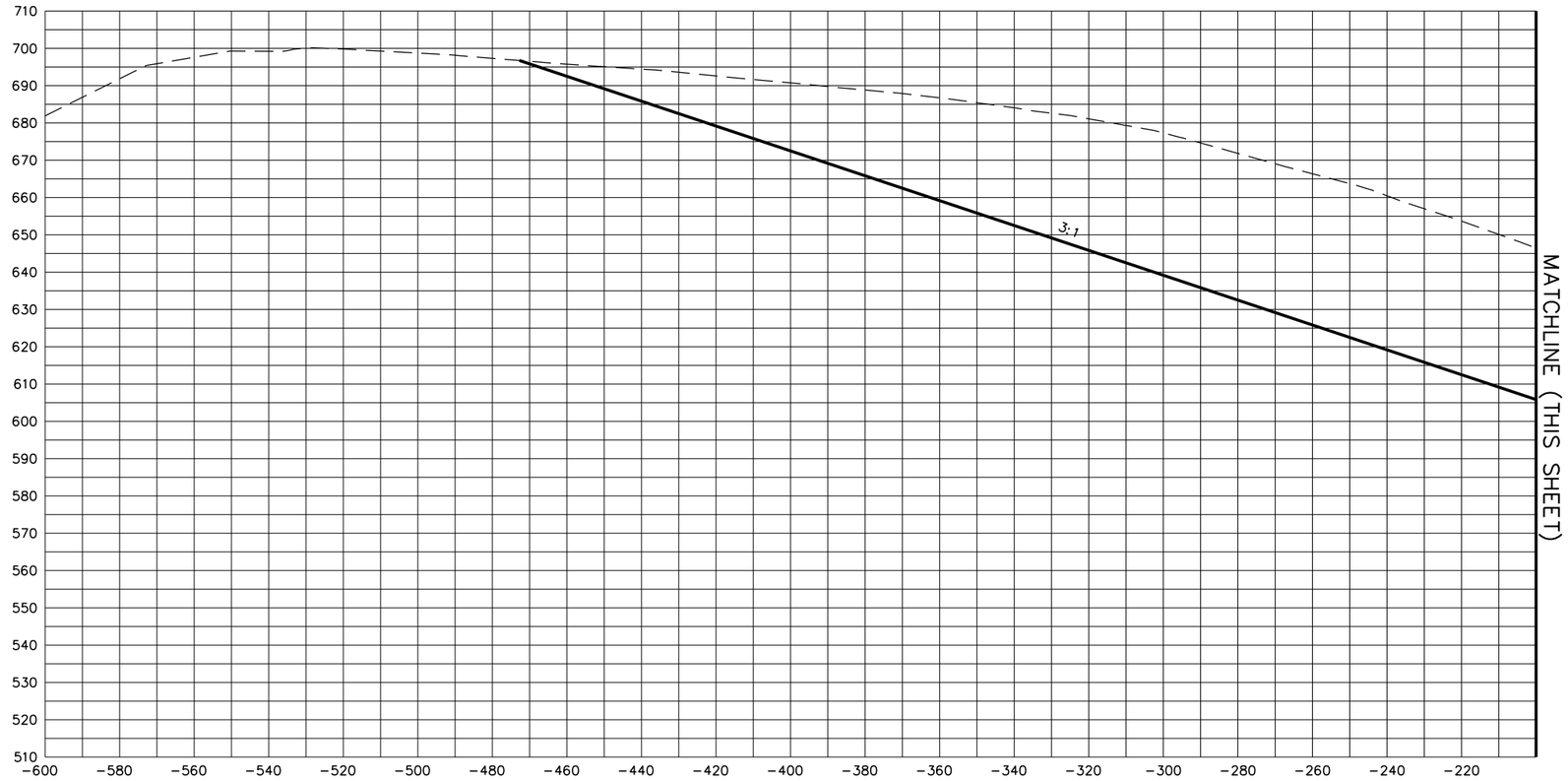
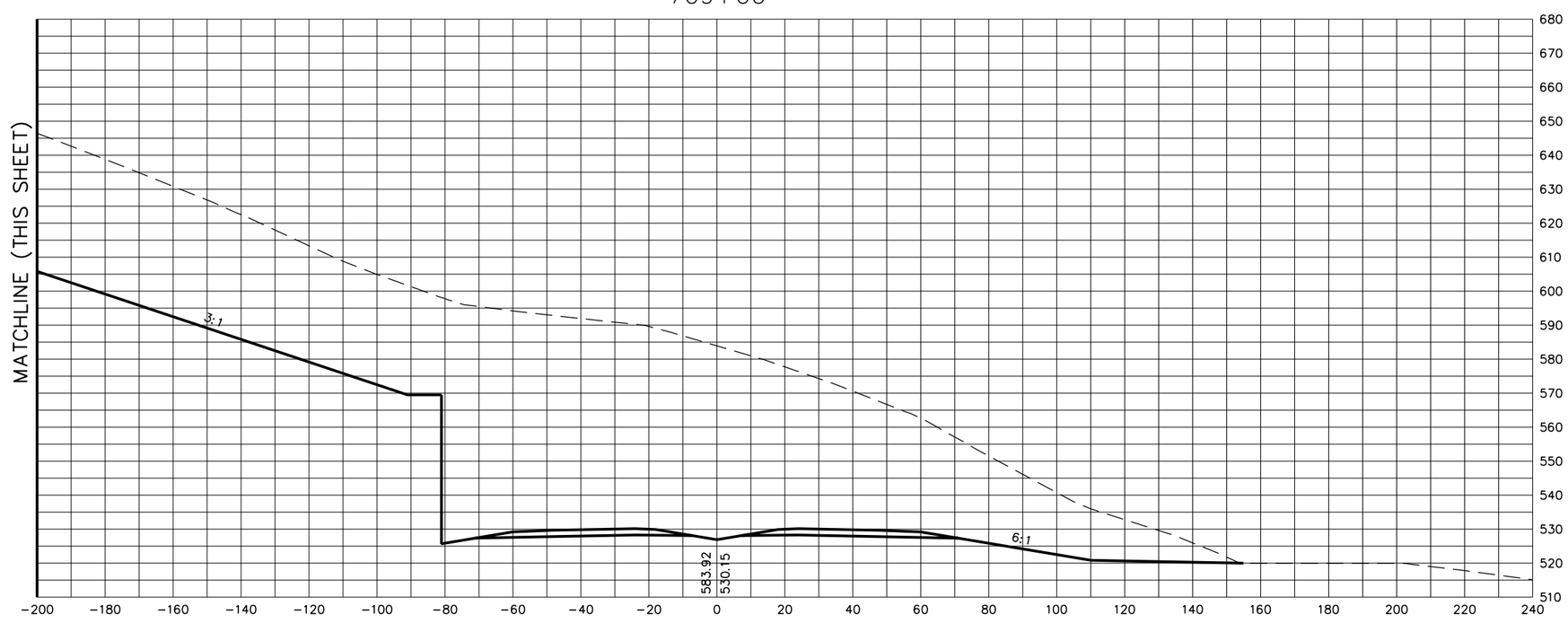
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	466
CONST	2014	36001-3290-14	



709+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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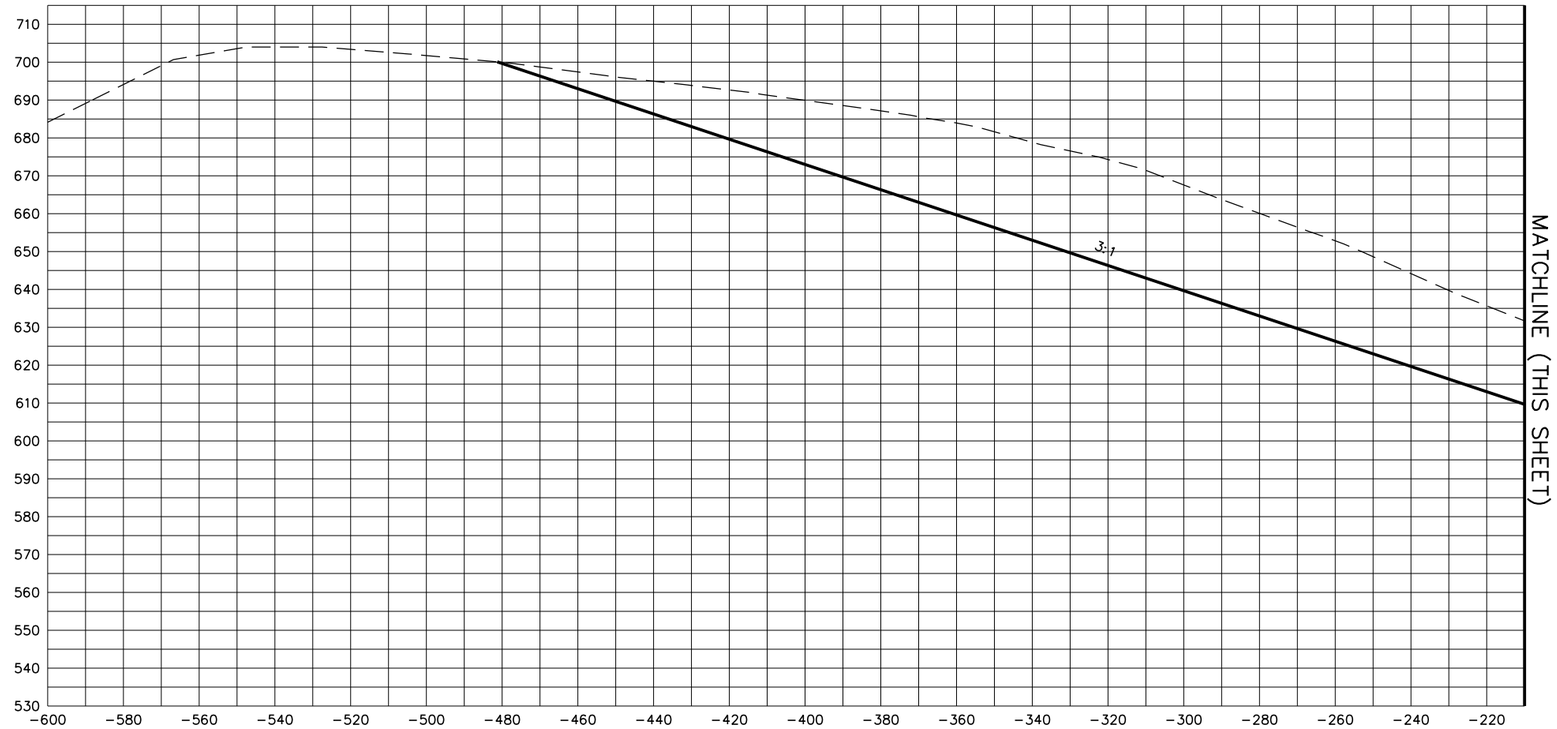
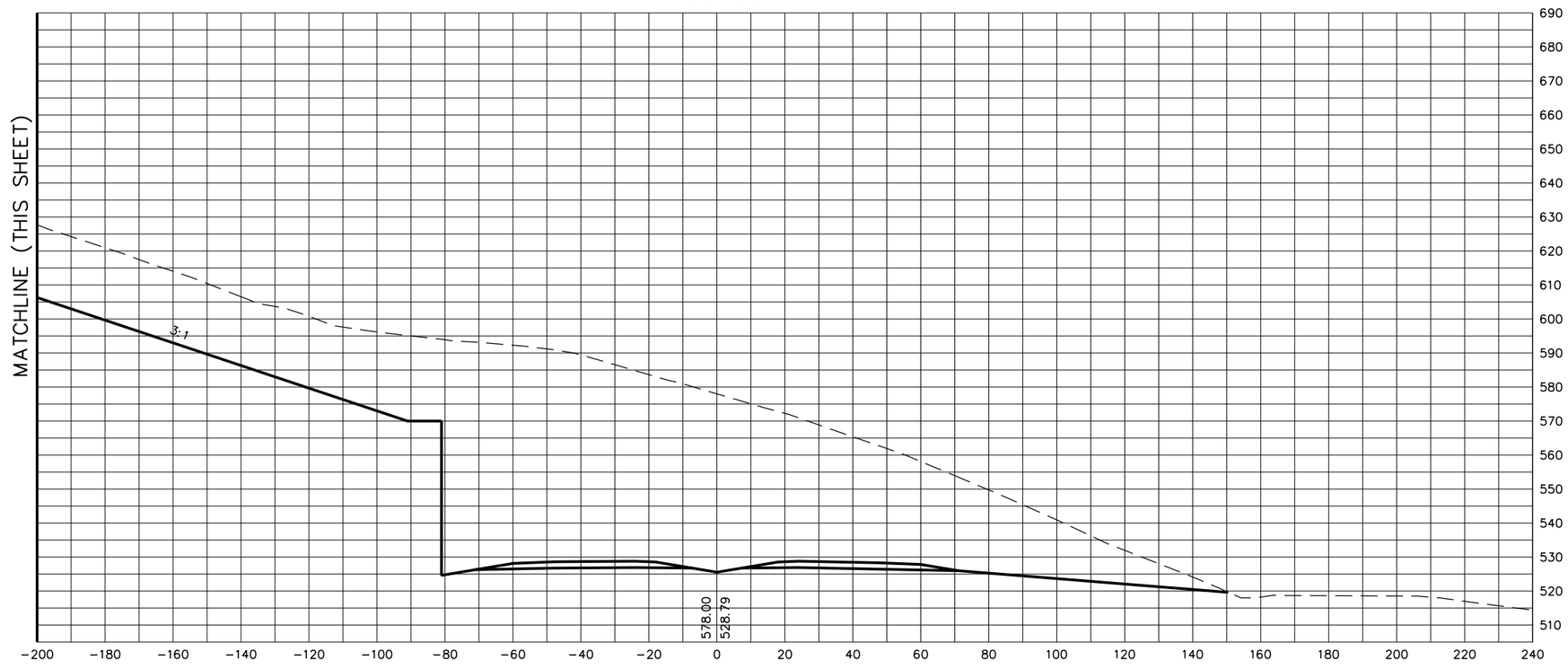
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	467
CONST	2014	36001-3290-14	



709+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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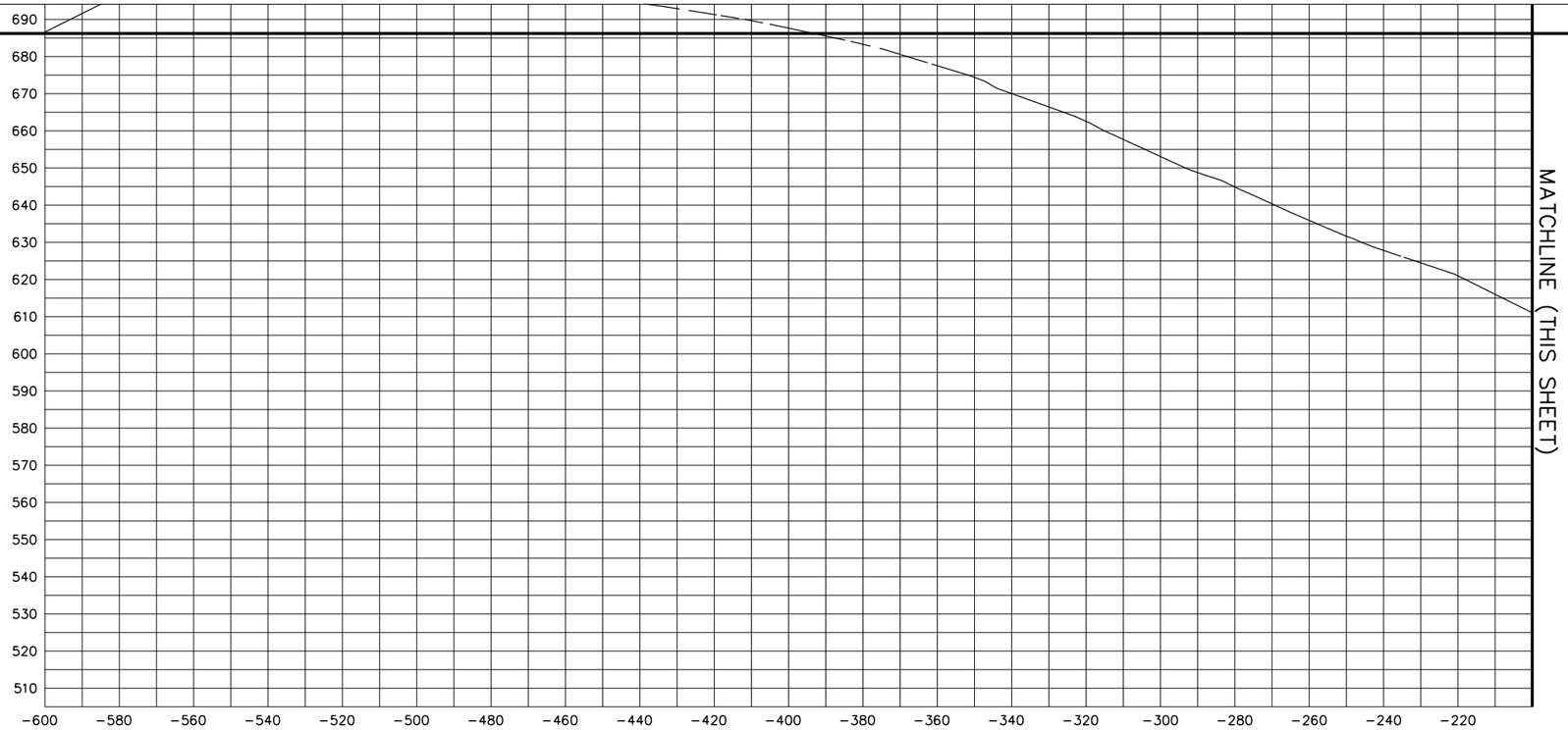
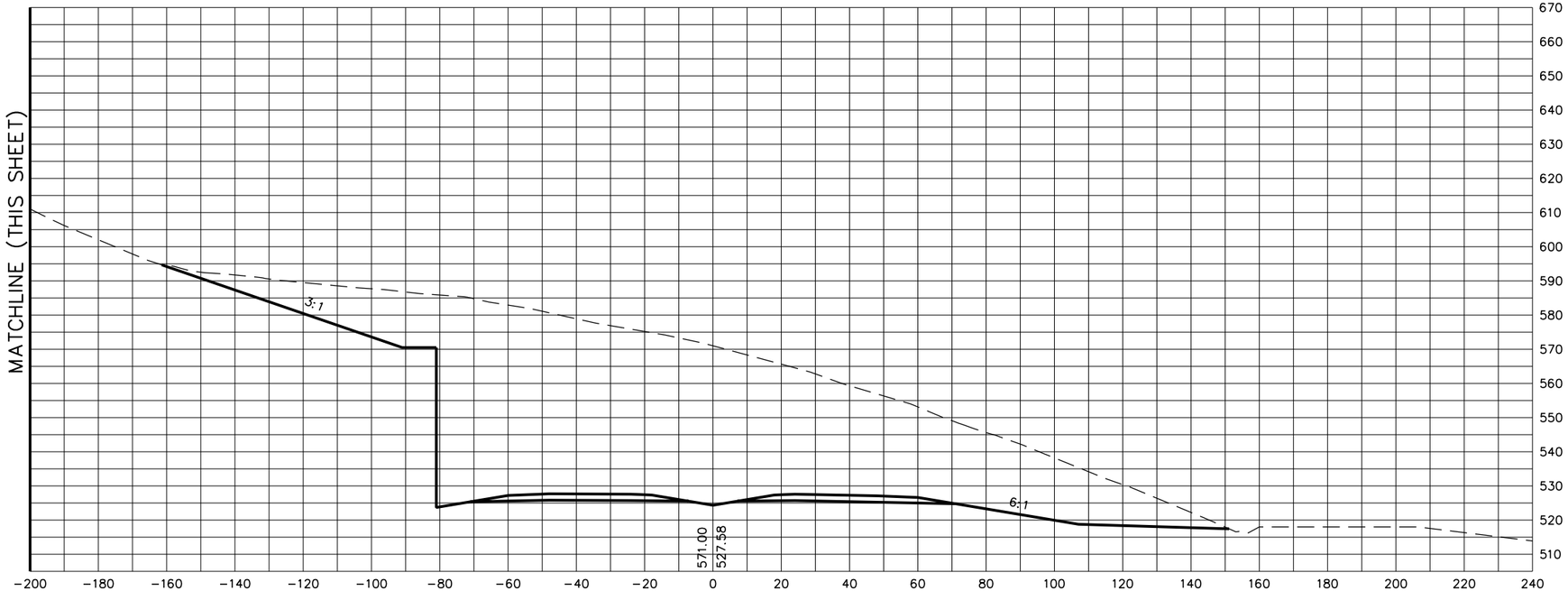
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	468
CONST	2014	36001-3290-14	



710+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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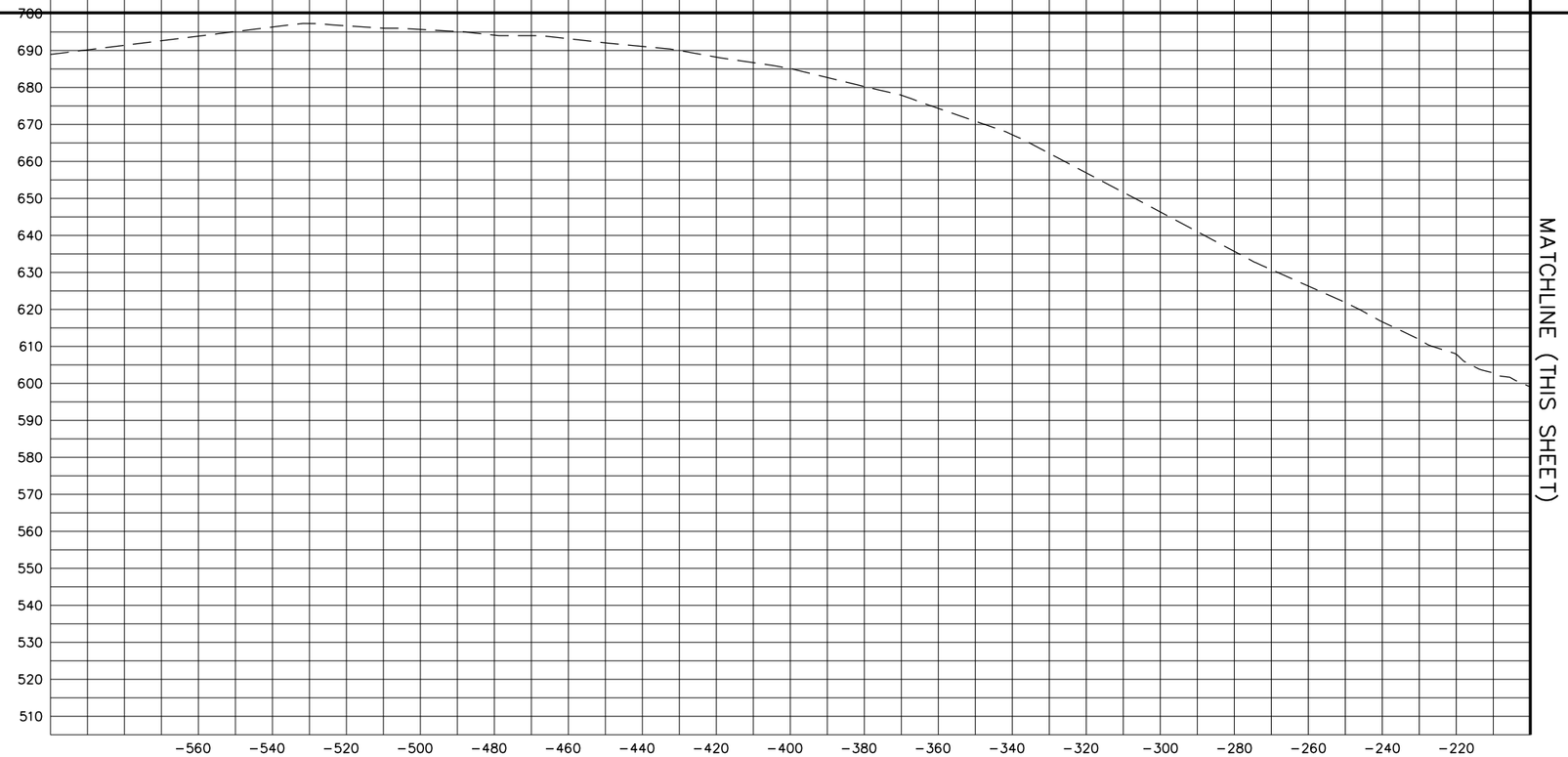
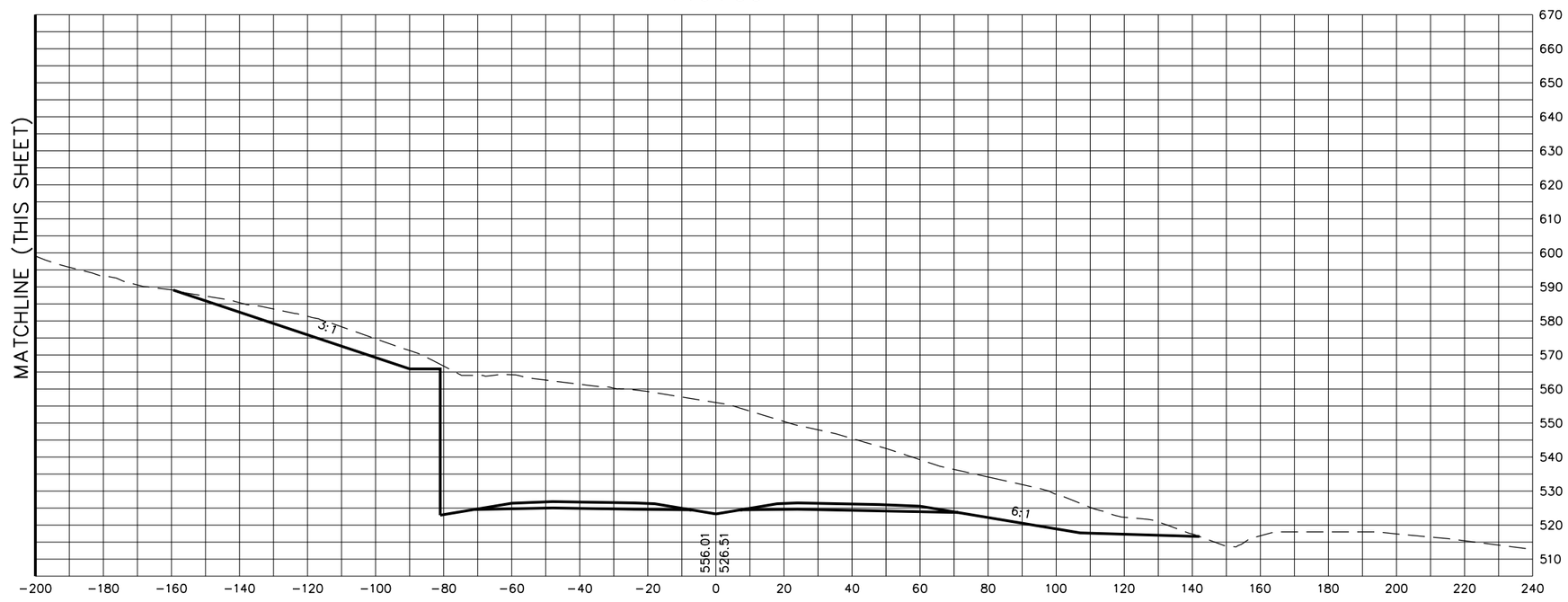
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	469
CONST	2014	36001-3290-14	



710+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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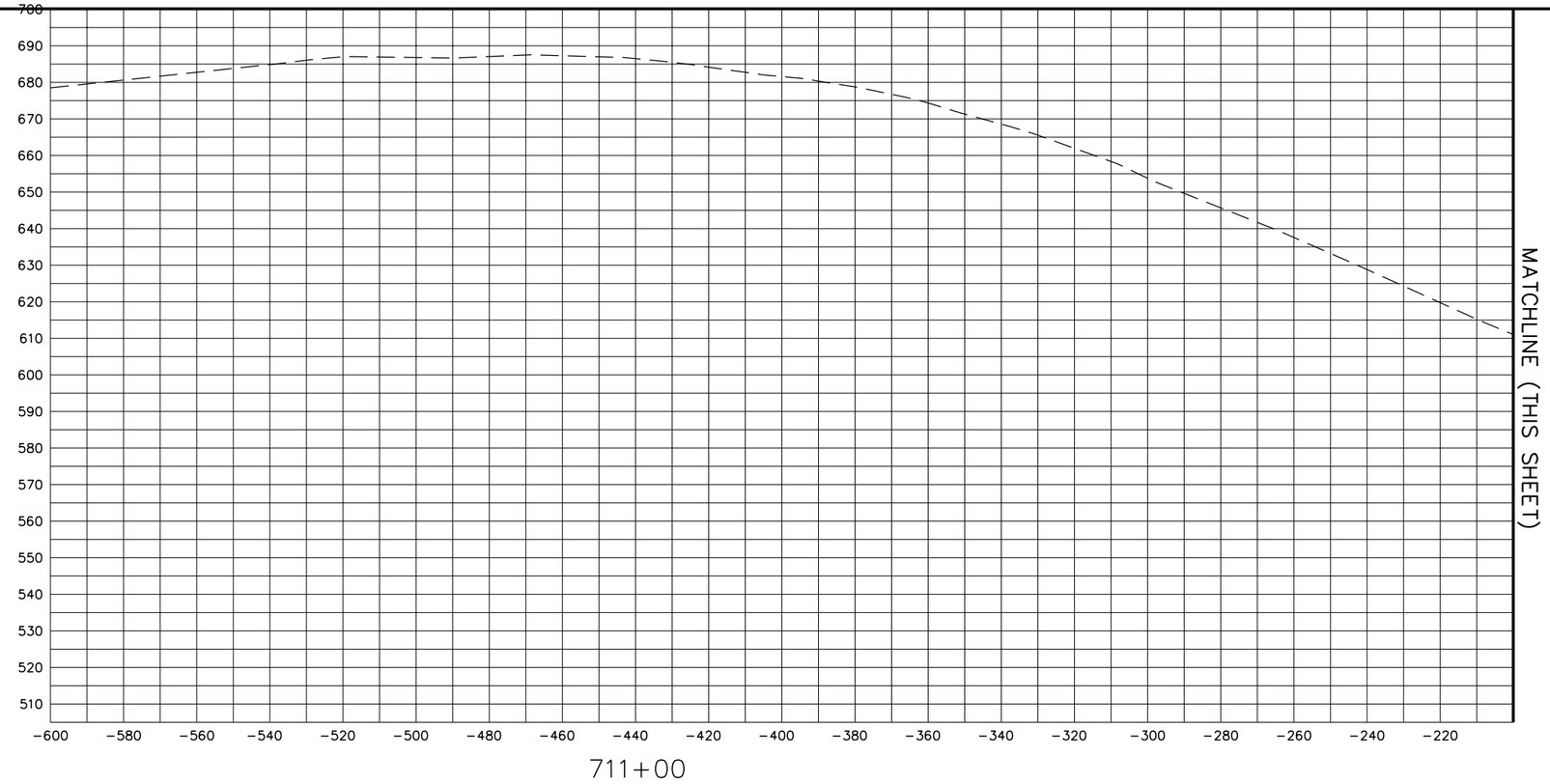
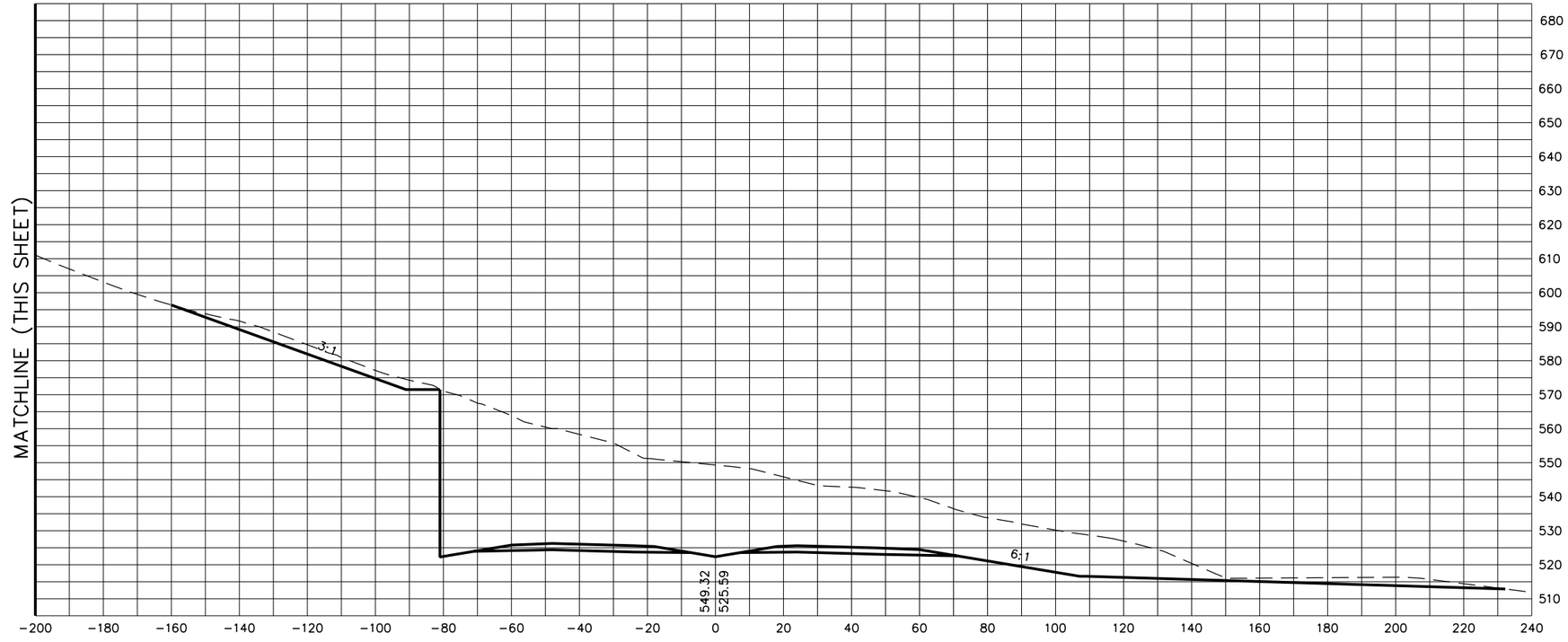
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	470
CONST	2014	36001-3290-14	





STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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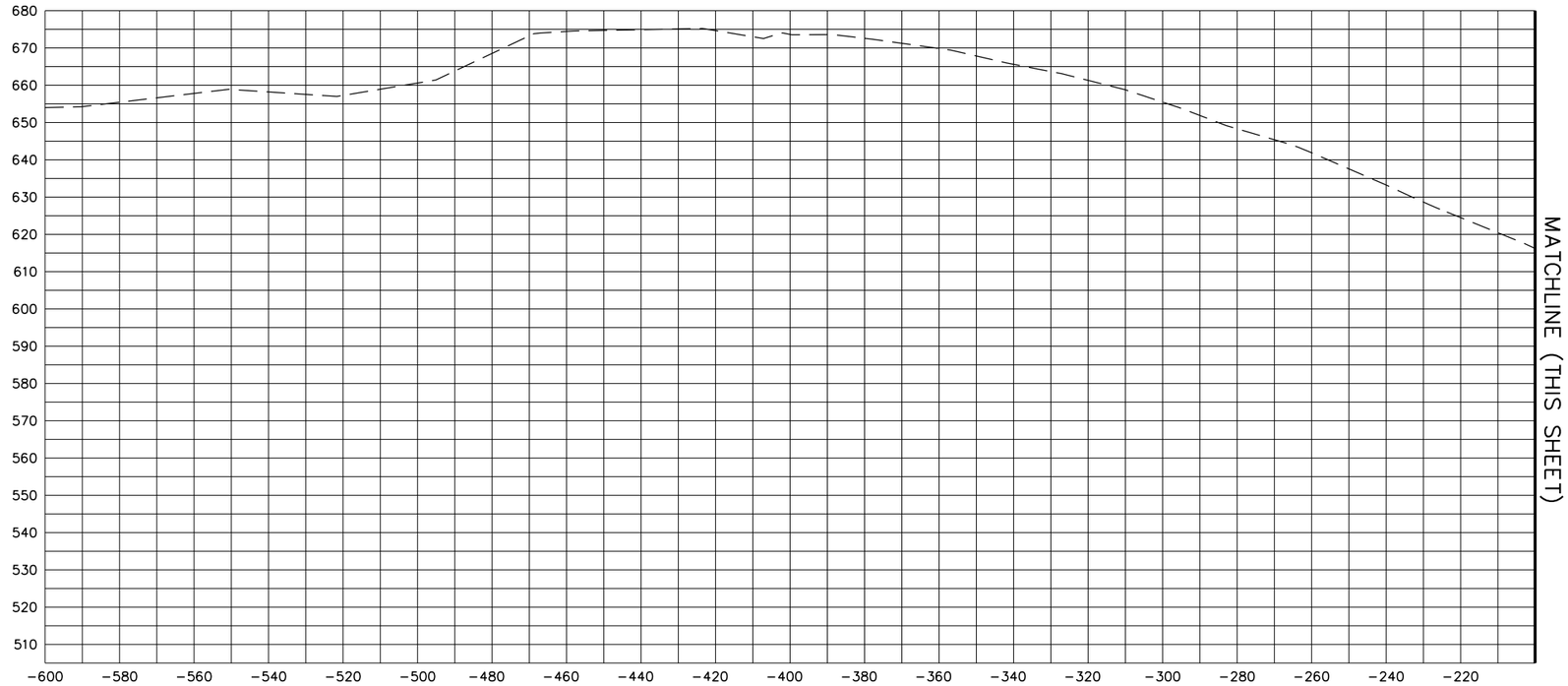
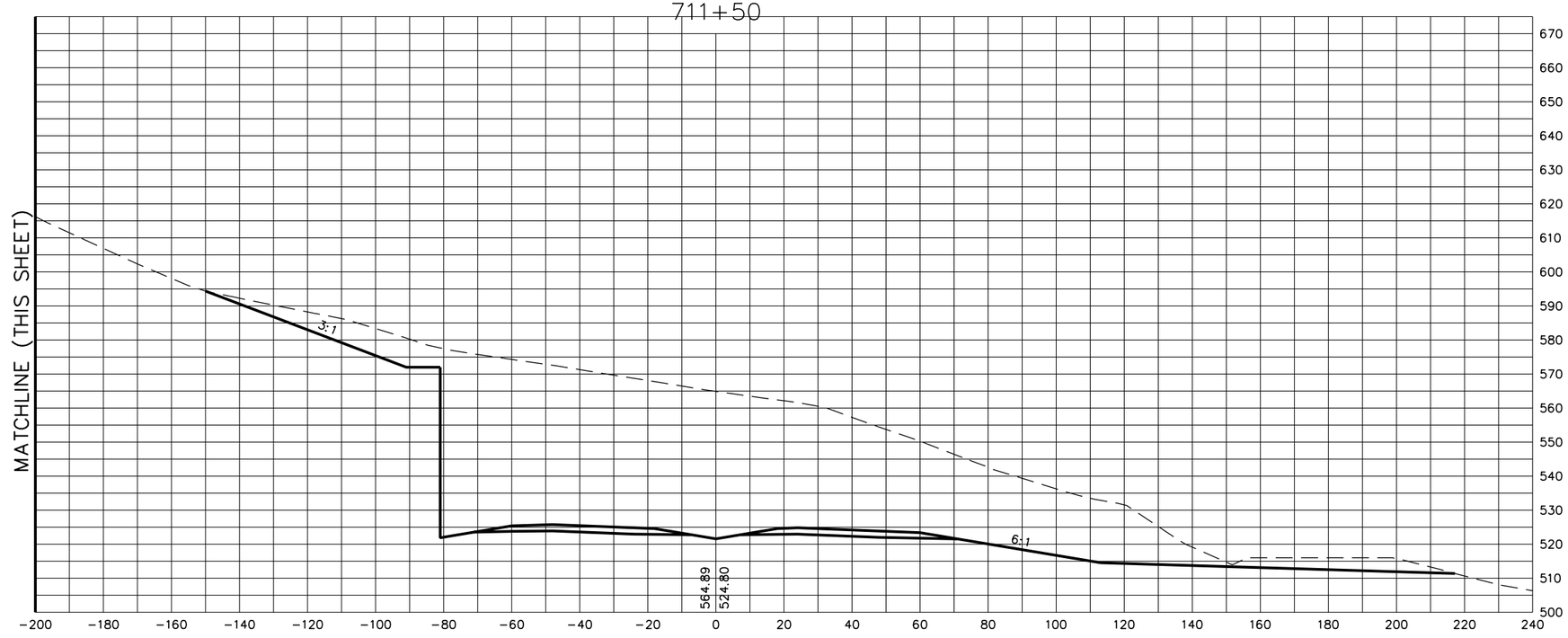
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	471
CONST	2014	36001-3290-14	





STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

3/20/2014
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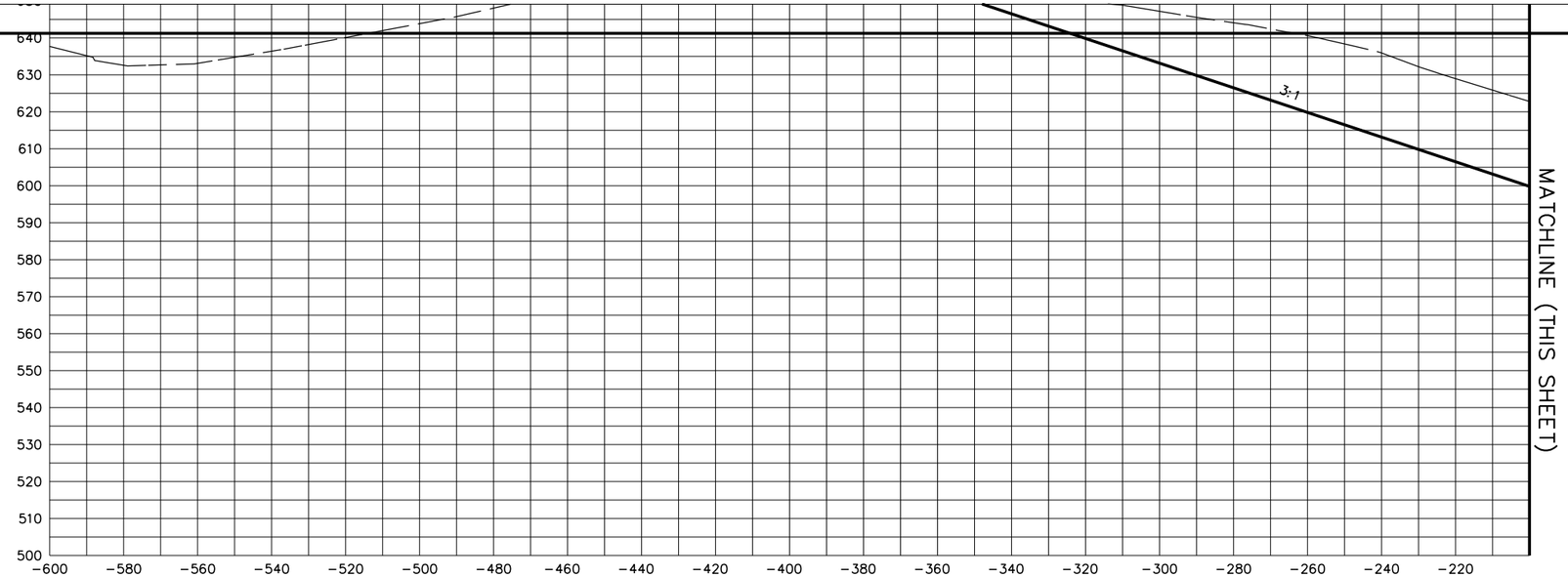
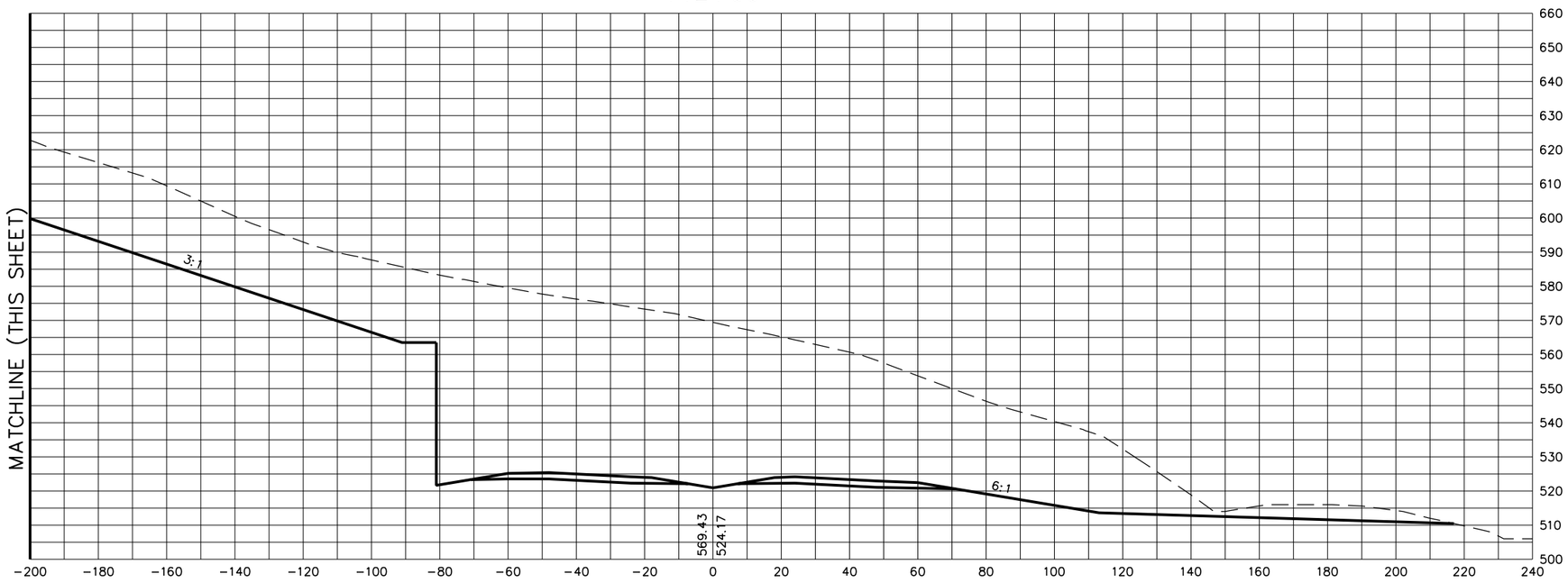
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	472
CONST	2014	36001-3290-14	



712+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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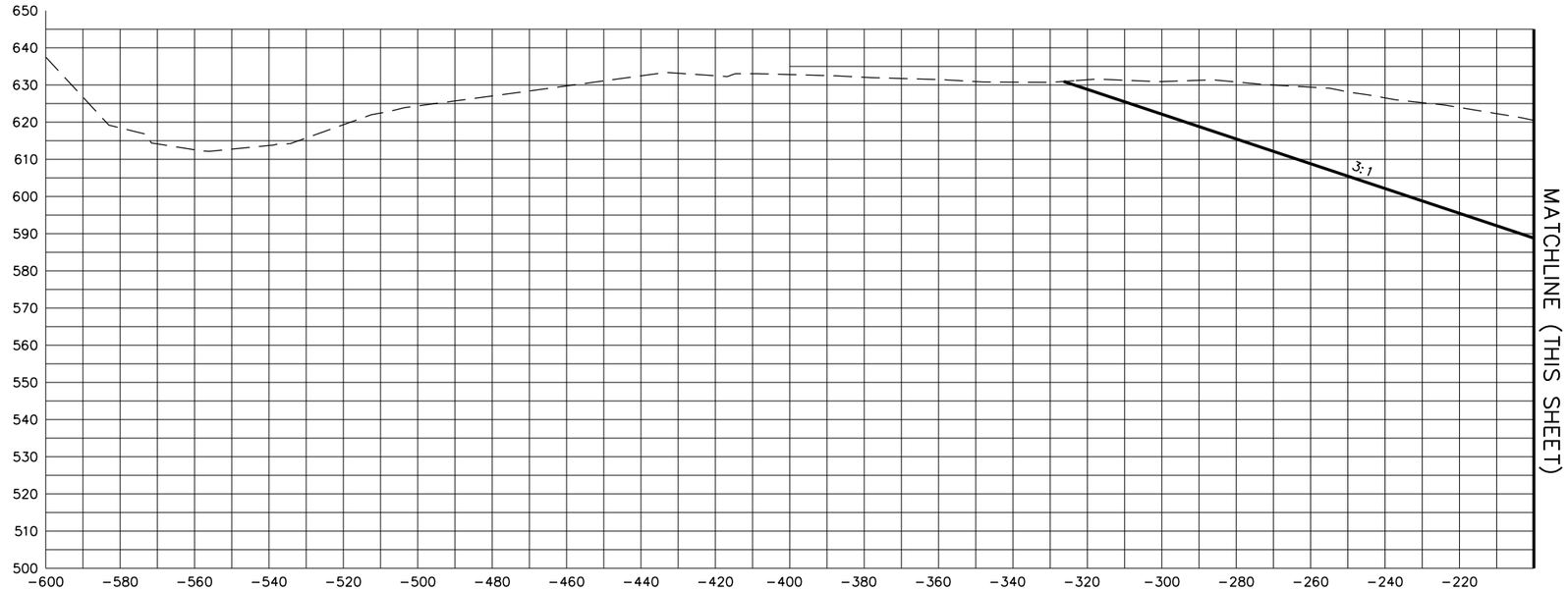
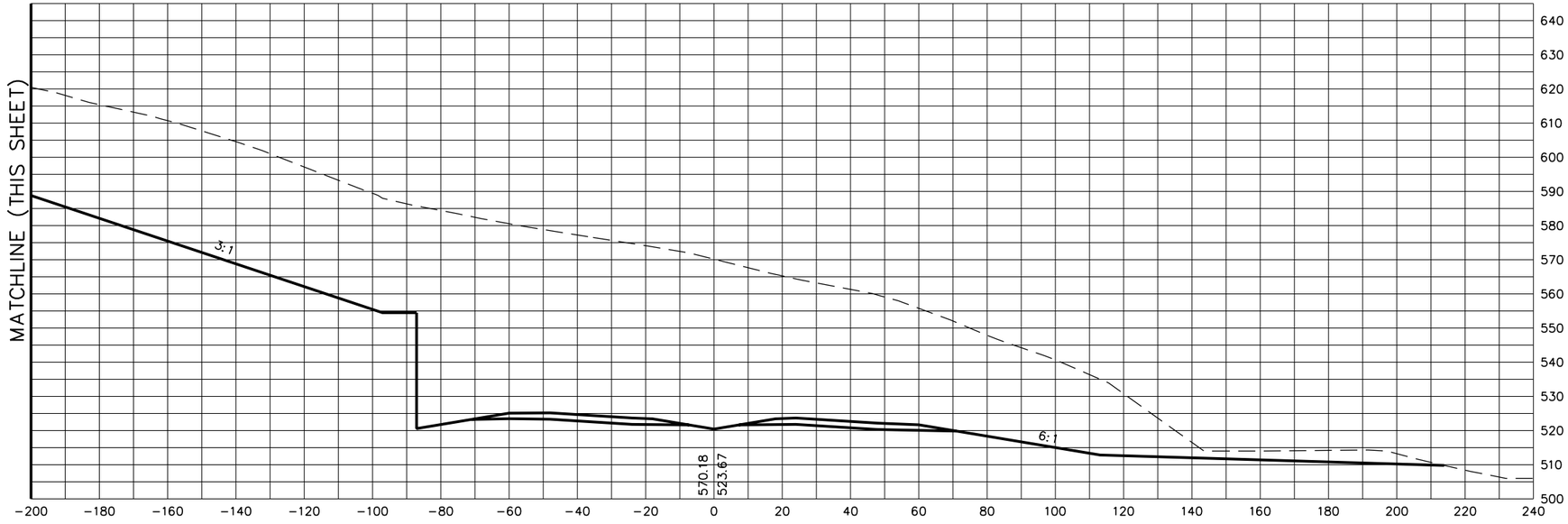
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	473
CONST	2014	36001-3290-14	



712+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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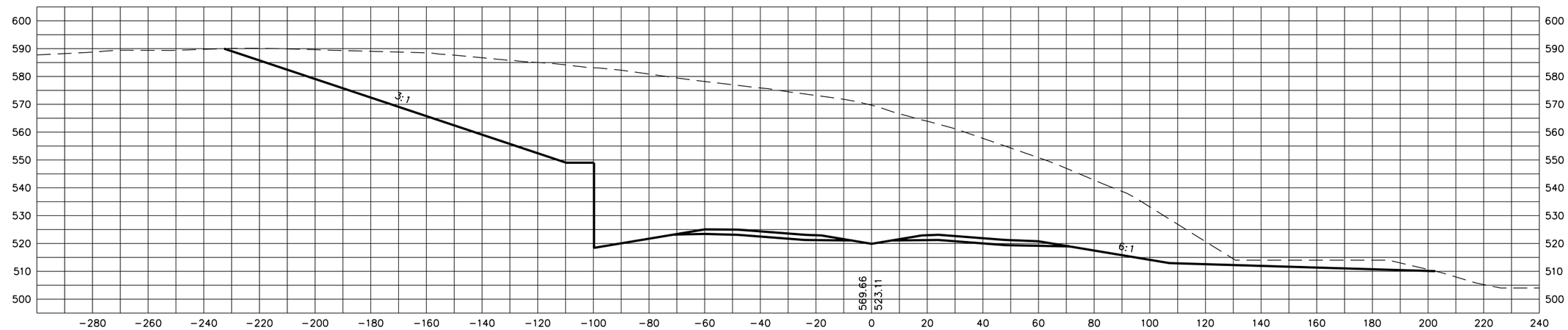
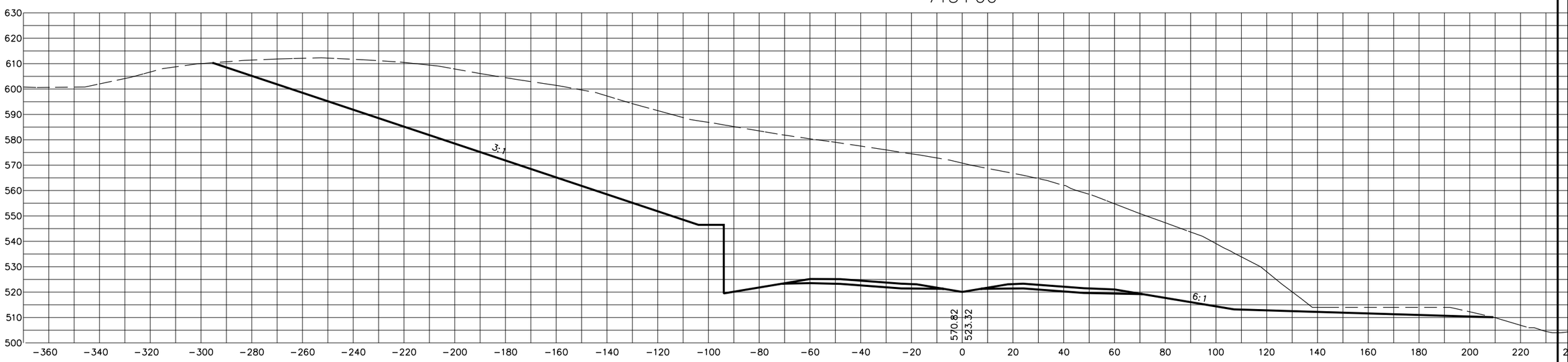
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	474
CONST	2014	36001-3290-14	

713+50



713+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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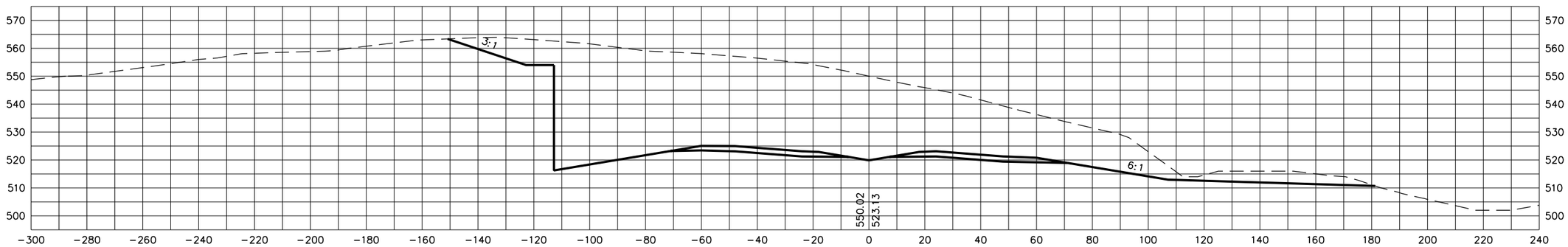
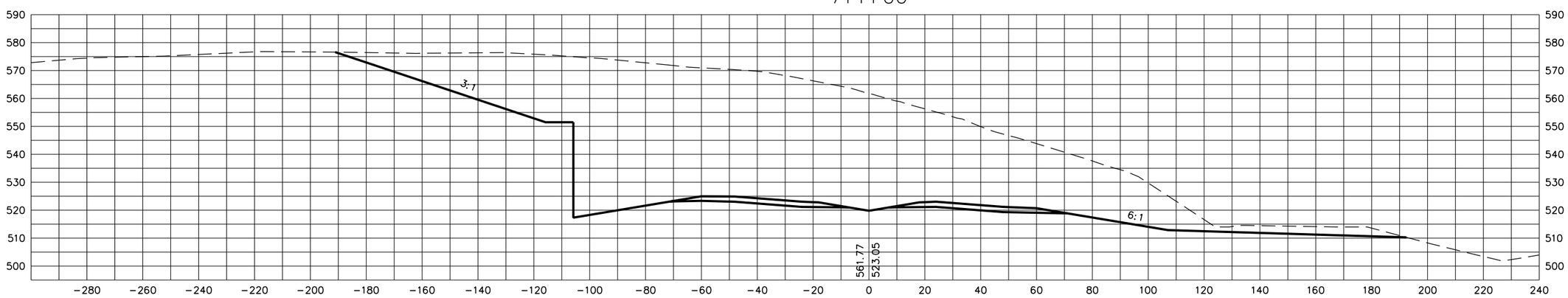
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	475
CONST	2014	36001-3290-14	

714+50



714+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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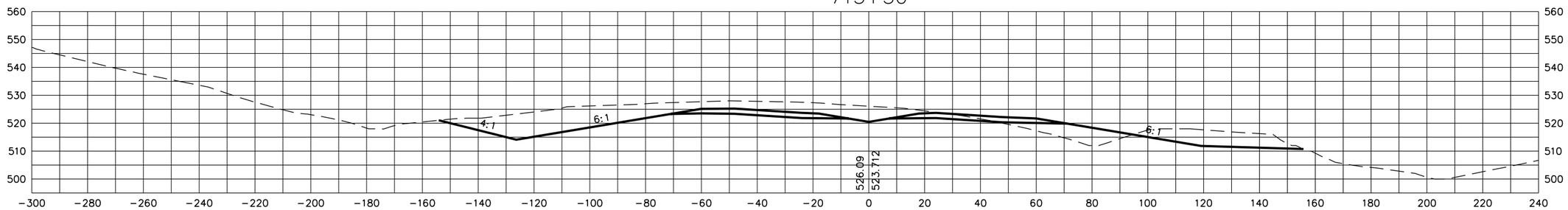
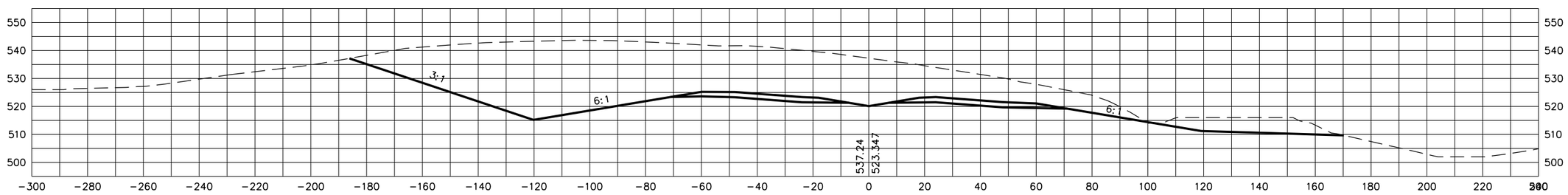
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	476
CONST	2014	36001-3290-14	

715+50



715+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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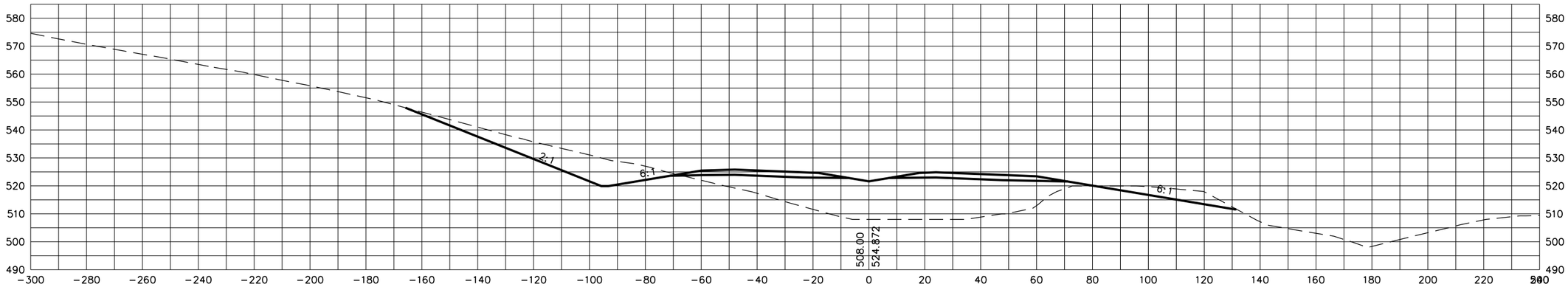
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	477
CONST	2014	36001-3290-14	

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

716+50



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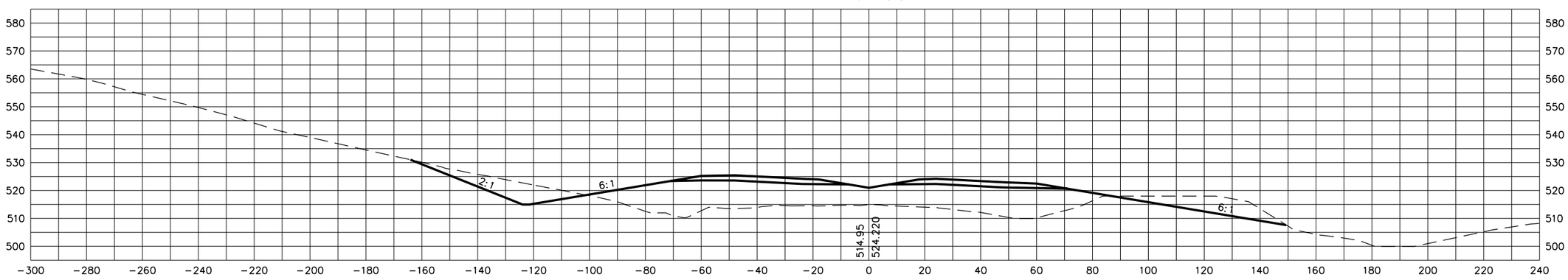

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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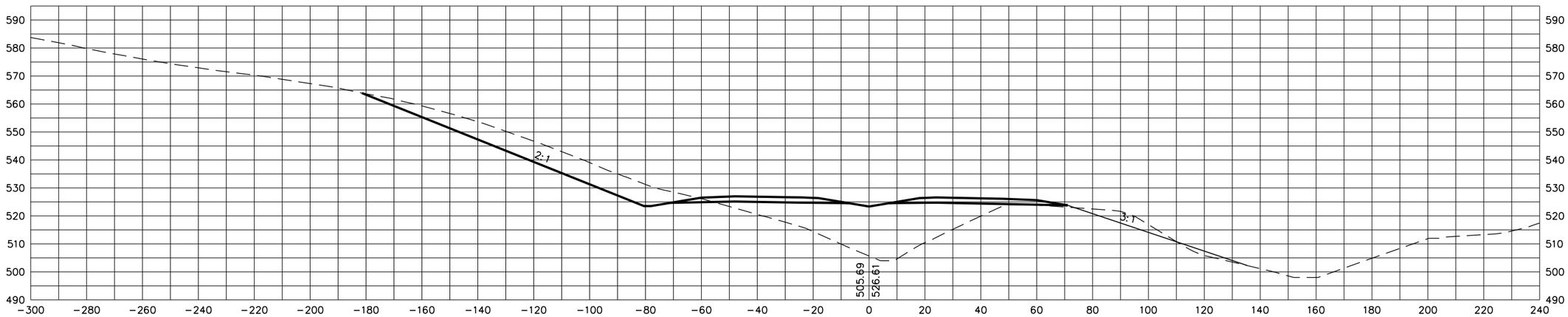
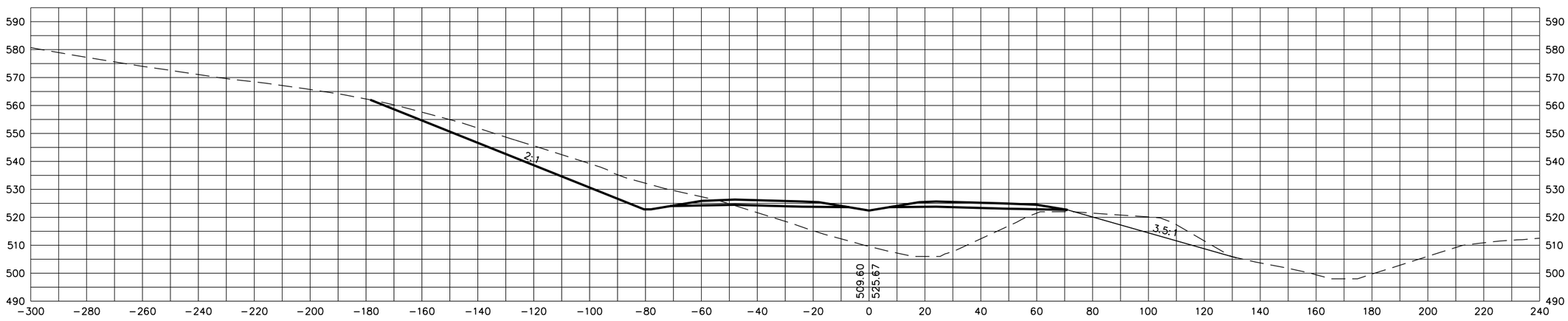
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	478
CONST	2014	36001-3290-14	

717+50



717+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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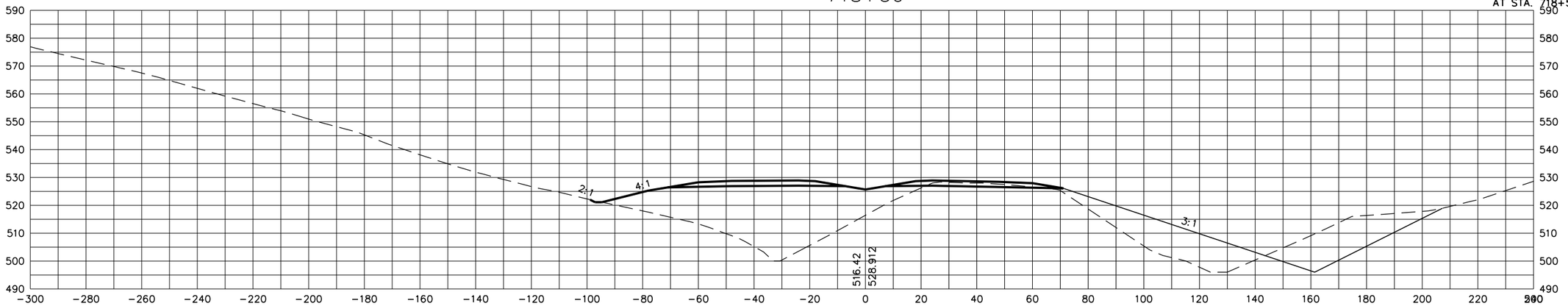
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	479
CONST	2014	36001-3290-14	

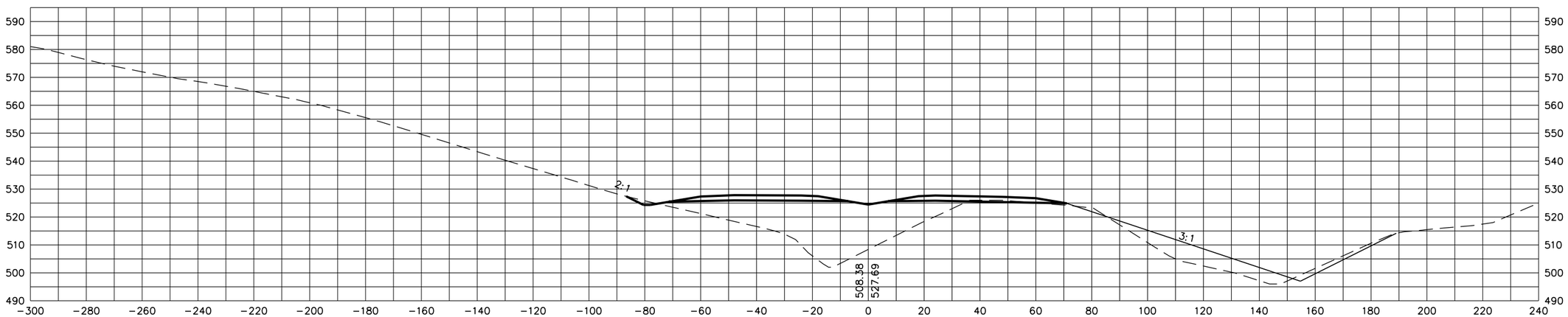
9-4-12

REVISED CROSS SECTION
AT STA. 718+50

718+50



718+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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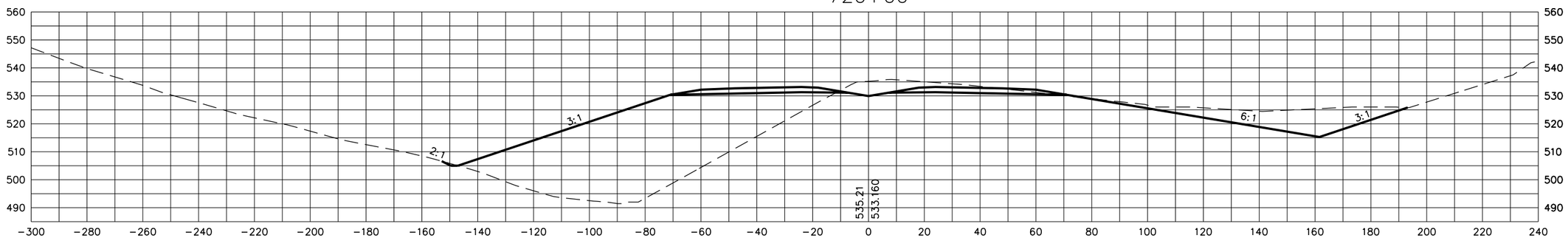
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	480
CONST	2014	36001-3290-14	

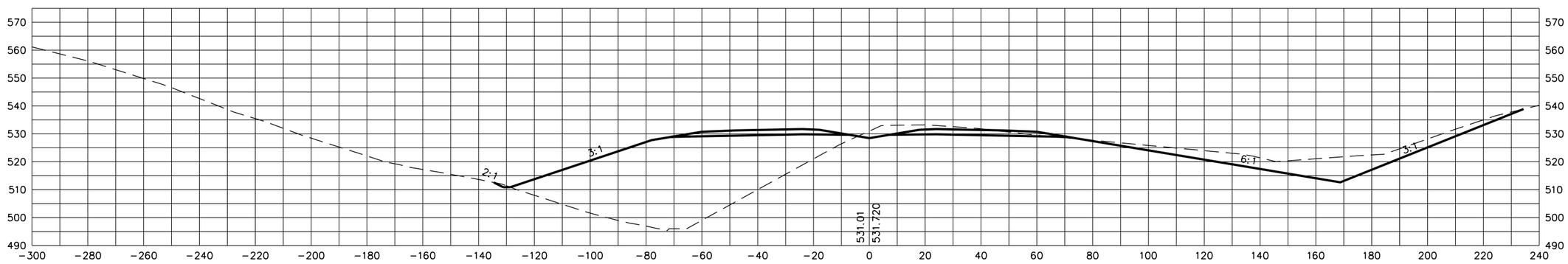
9-4-12

REVISED CROSS SECTIONS AT STA. 719+00, 719+50 AND 720+00

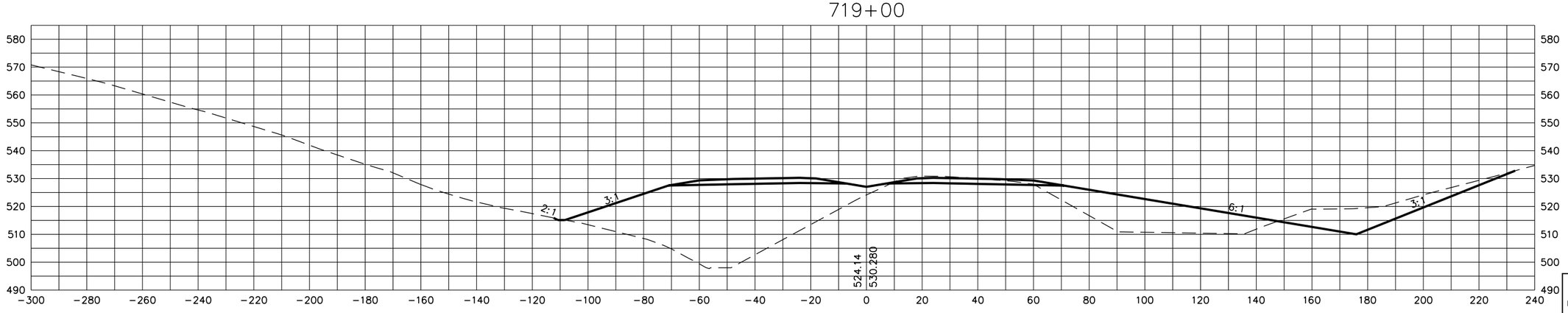
720+00



719+50



719+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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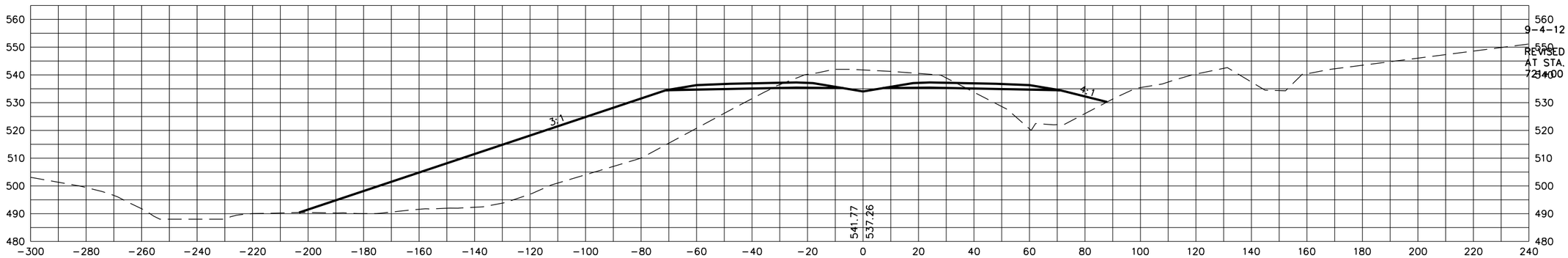
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	481
CONST	2014	36001-3290-14	

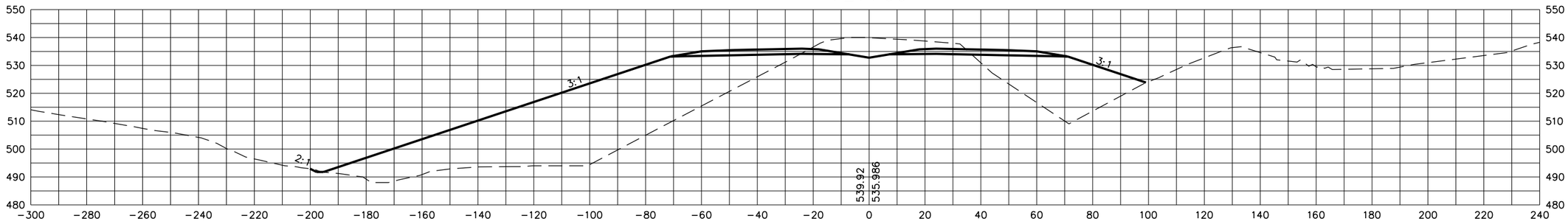
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

721+50

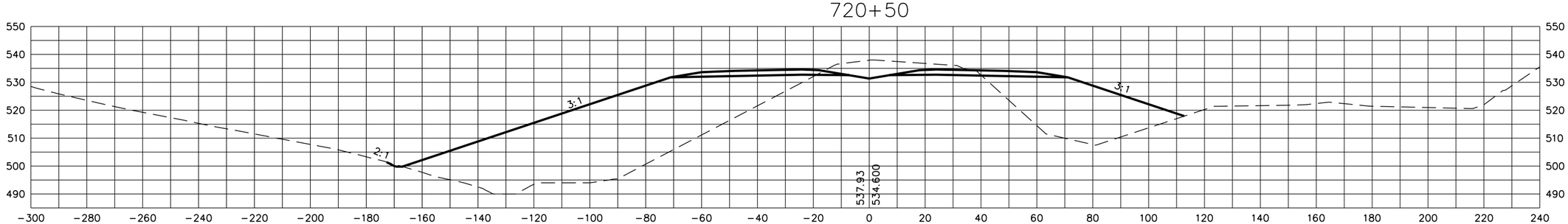


9-4-12
REVISED CROSS SECTIONS AT STA. 720+50 AND 721+00

721+00



720+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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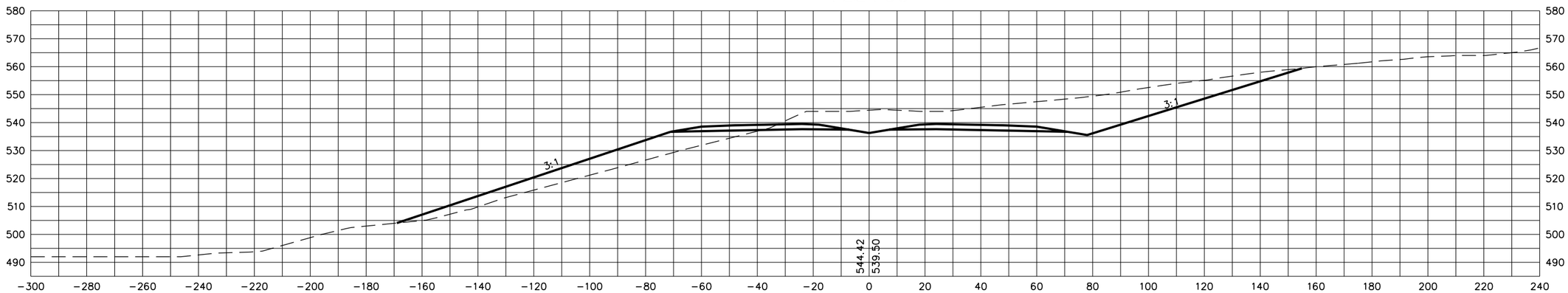
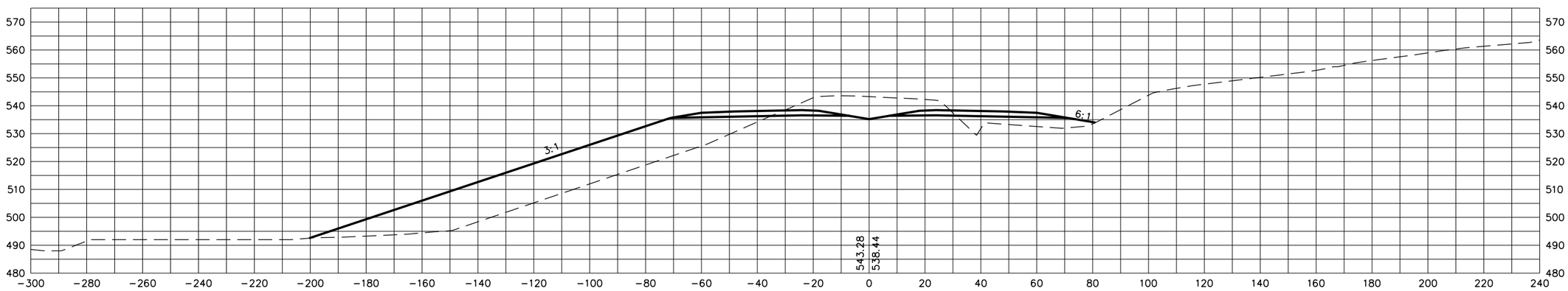
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	482
CONST	2014	36001-3290-14	

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

722+50



722+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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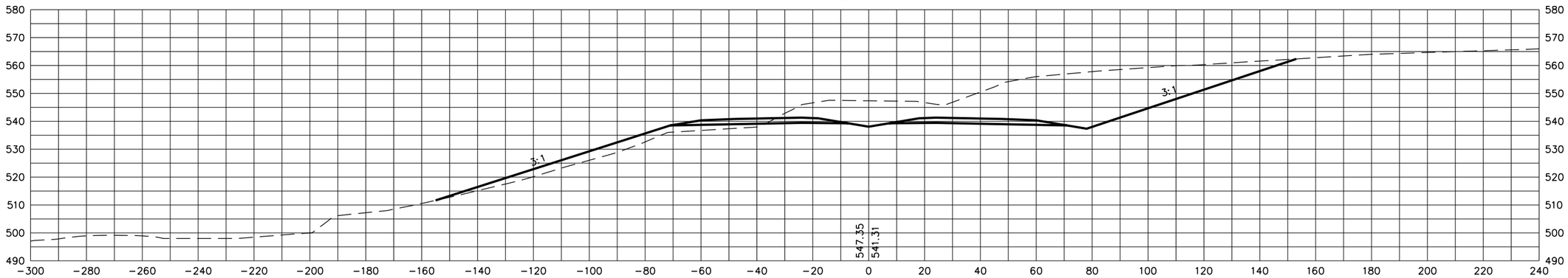
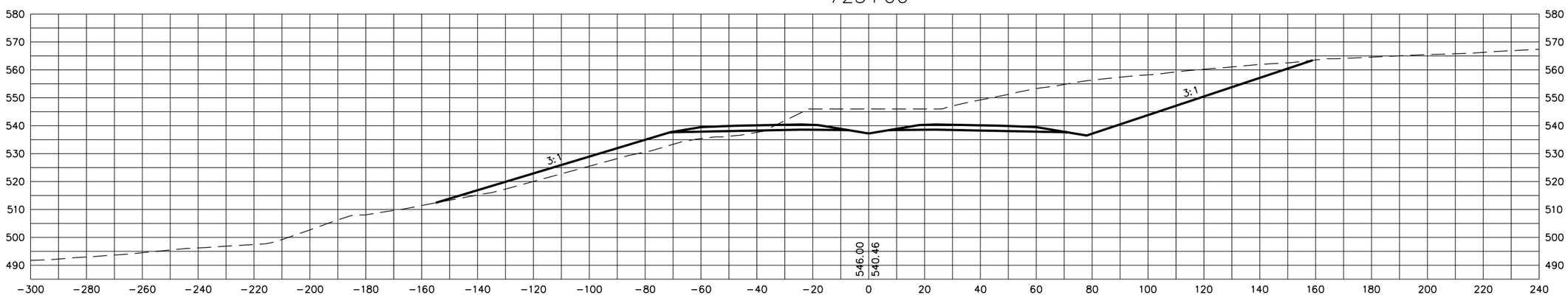
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	483
CONST	2014	36001-3290-14	

723+50



723+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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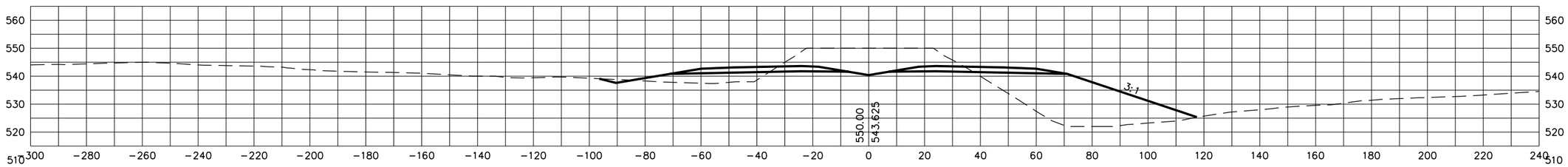
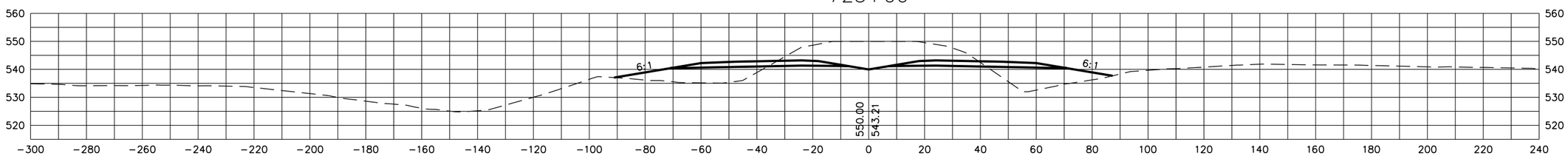
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	484
CONST	2014	36001-3290-14	

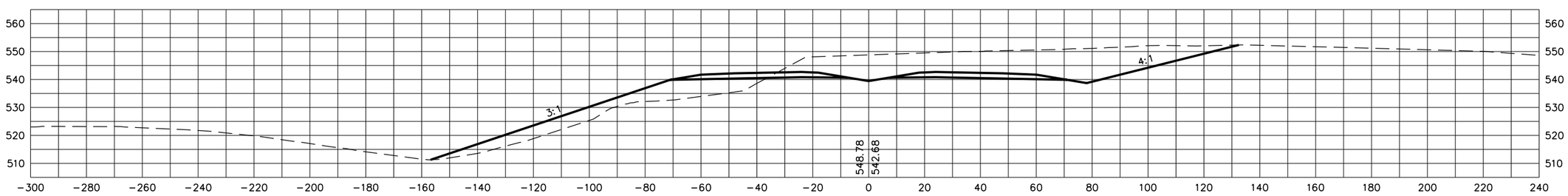
725+50



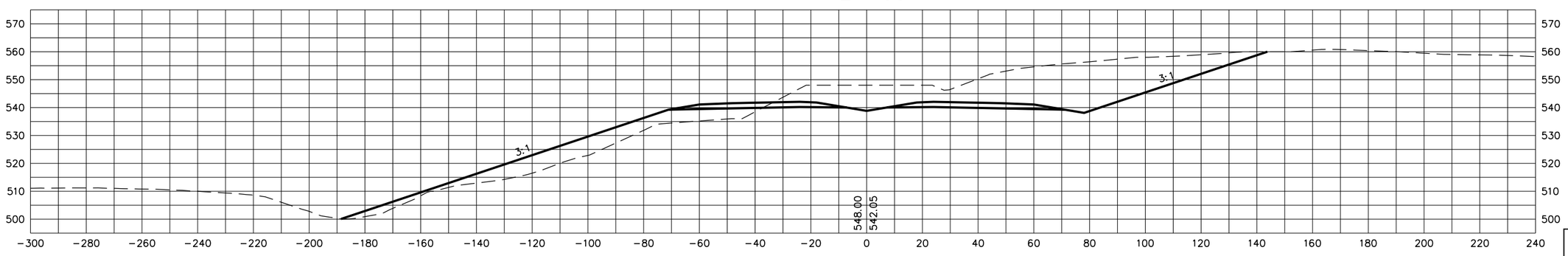
725+00



724+50



724+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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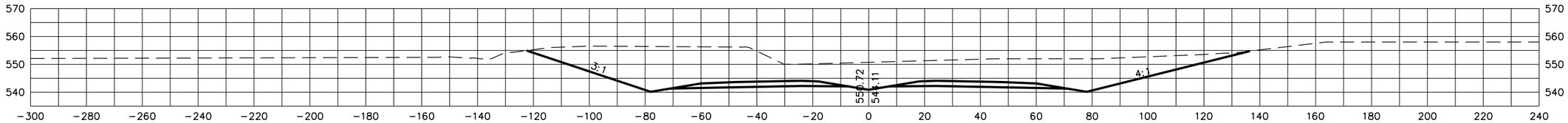
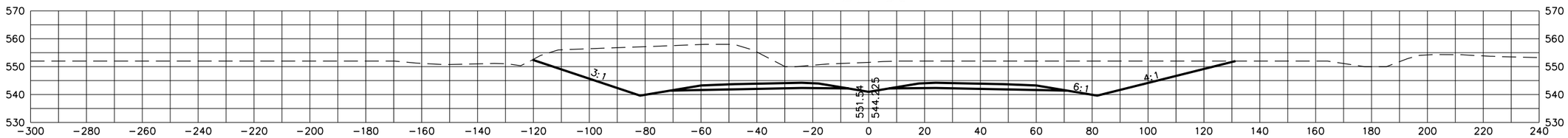
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	485
CONST	2014	36001-3290-14	

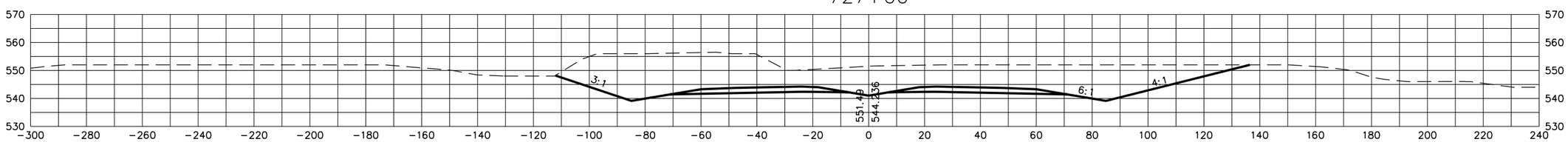
728+00



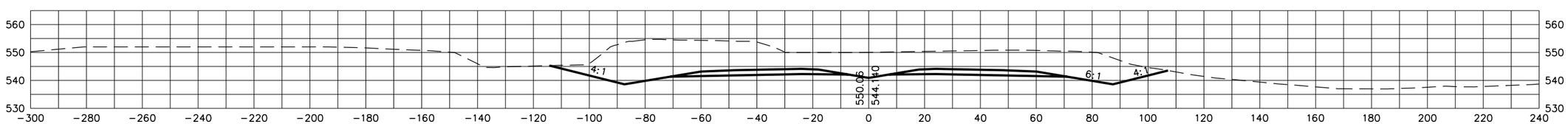
727+50



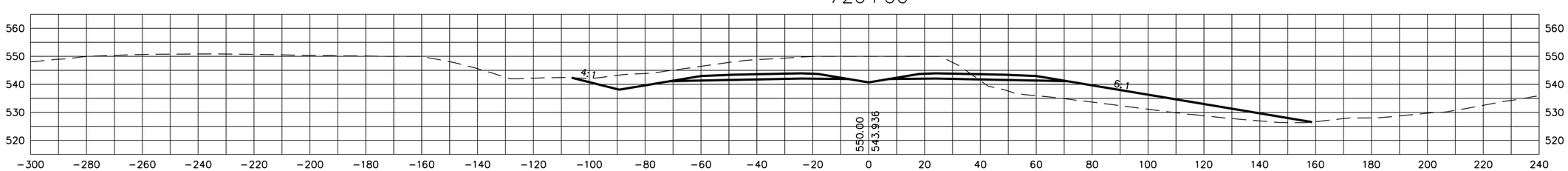
727+00



726+50



726+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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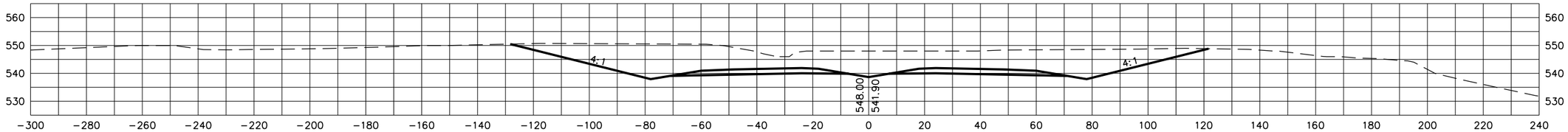
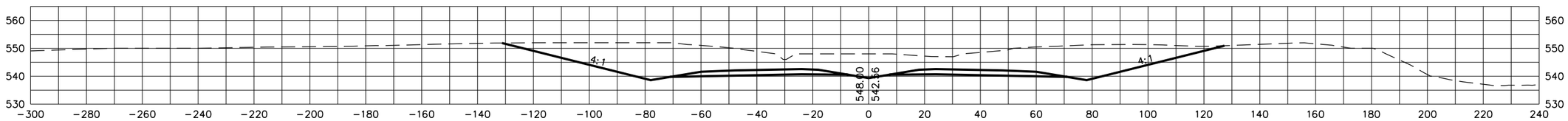
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	486
CONST	2014	36001-3290-14	

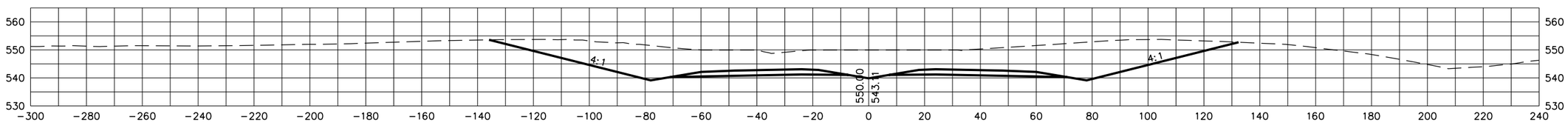
730+50



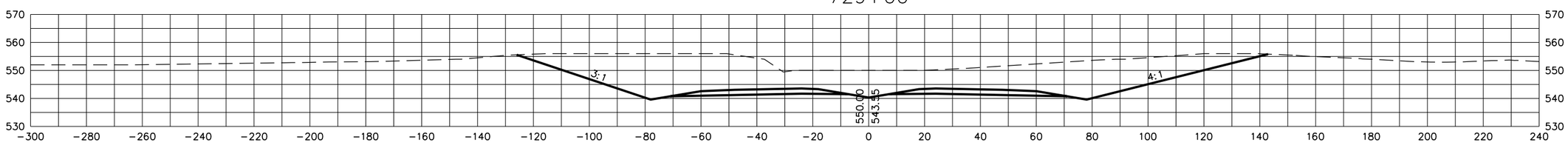
730+00



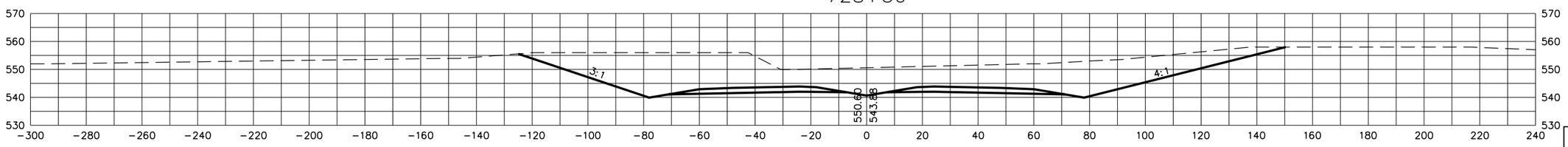
729+50



729+00



728+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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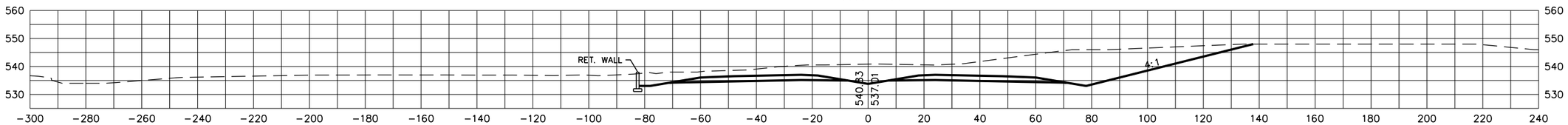
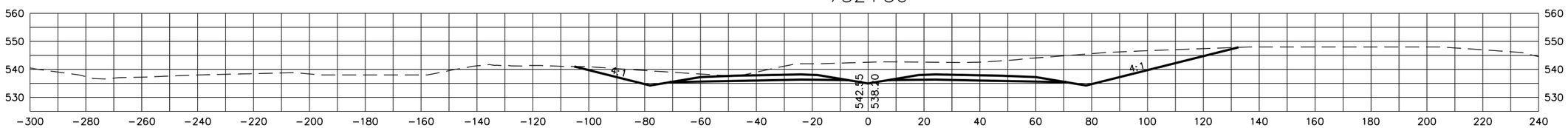
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	487
CONST	2014	36001-3290-14	

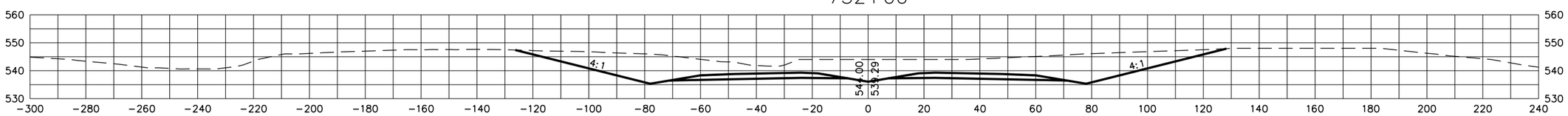
733+00



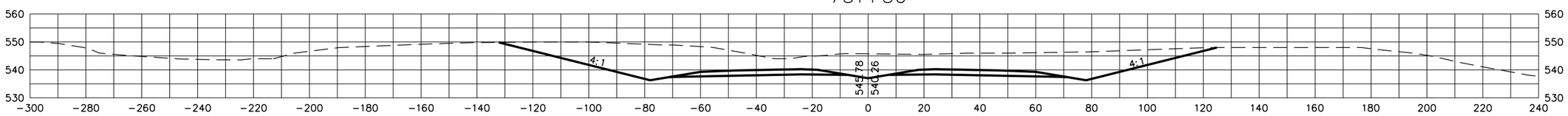
732+50



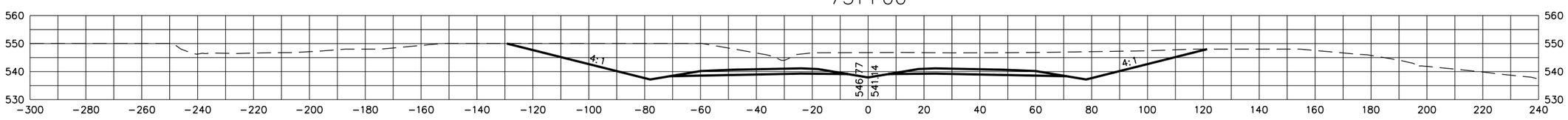
732+00



731+50



731+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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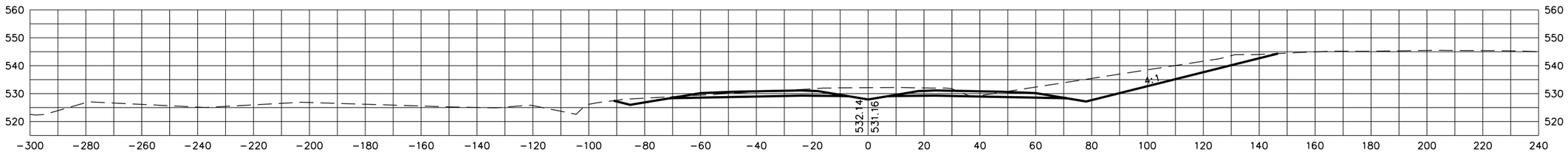
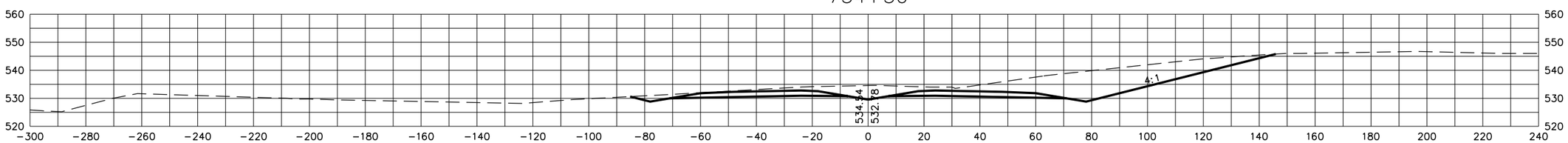
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	488
CONST	2014	36001-3290-14	

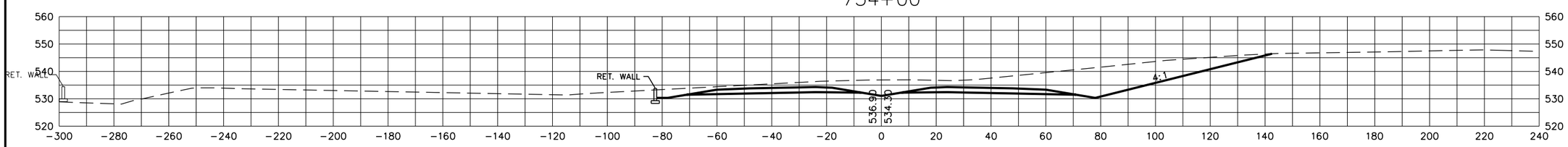
735+00



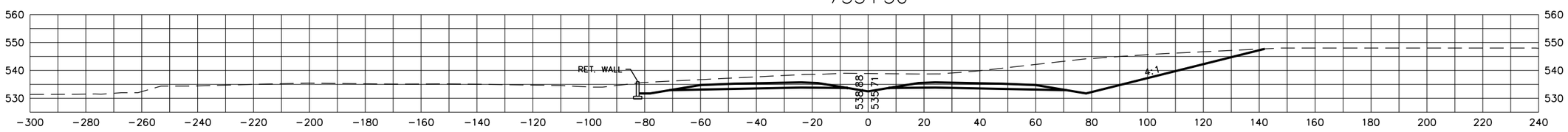
734+50



734+00



733+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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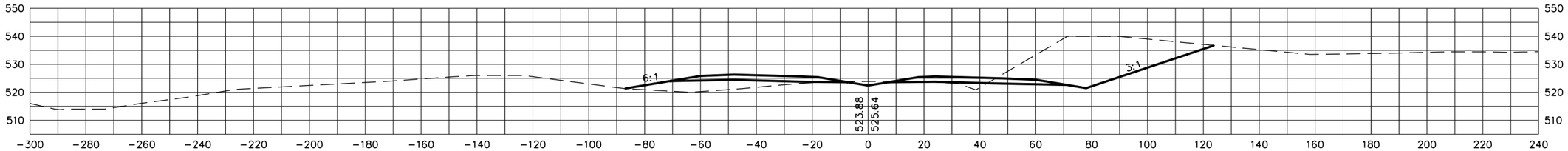
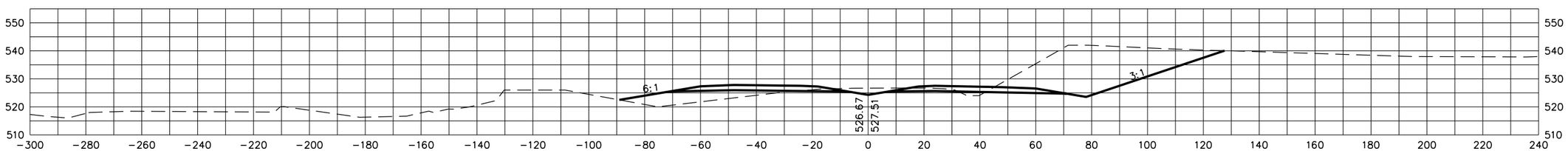
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	489
CONST	2014	36001-3290-14	

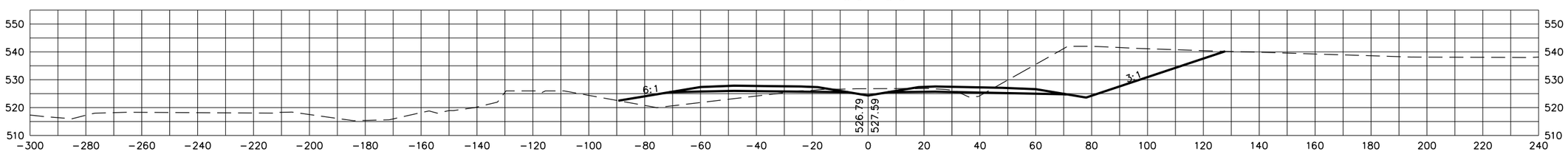
736+50



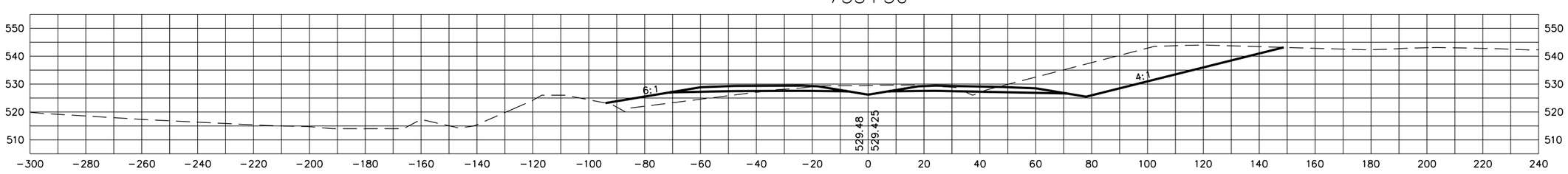
736+01.98



736+00



735+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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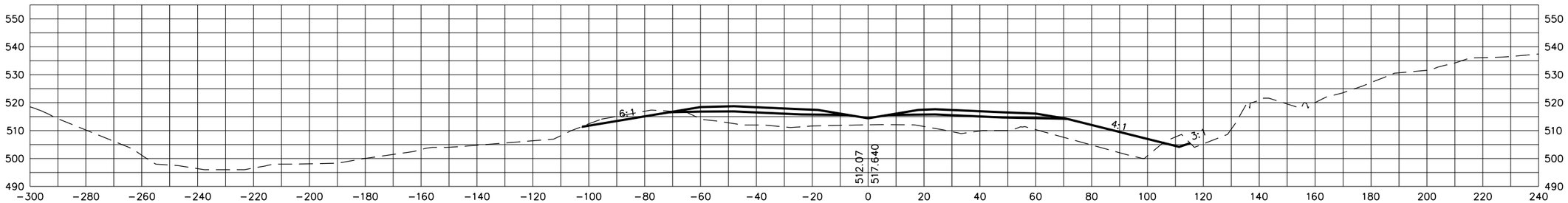
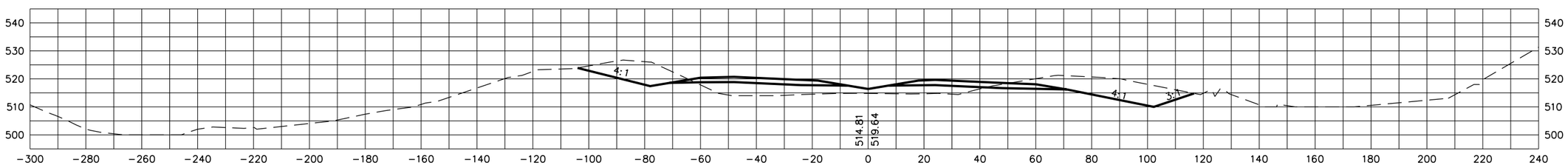
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	490
CONST	2014	36001-3290-14	

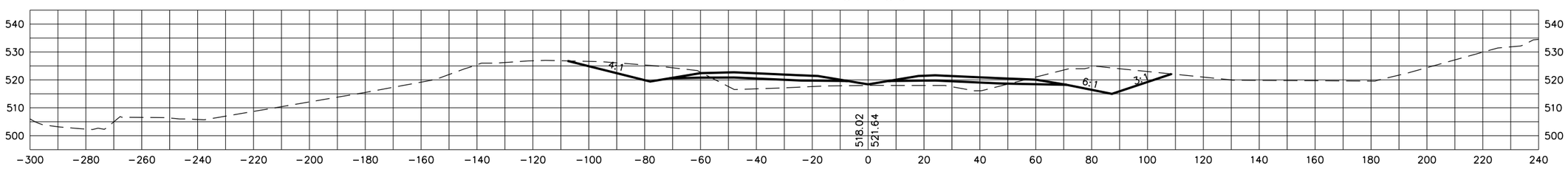
738+50



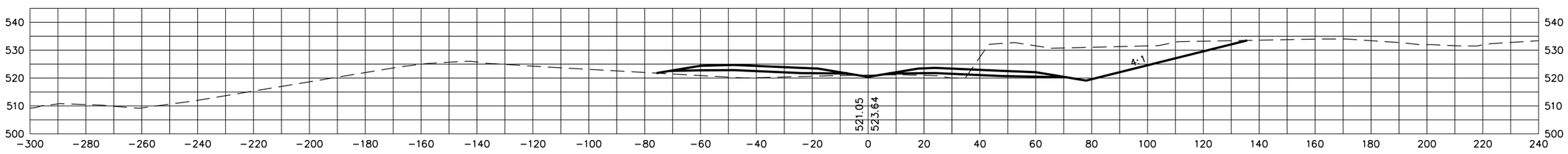
738+00



737+50



737+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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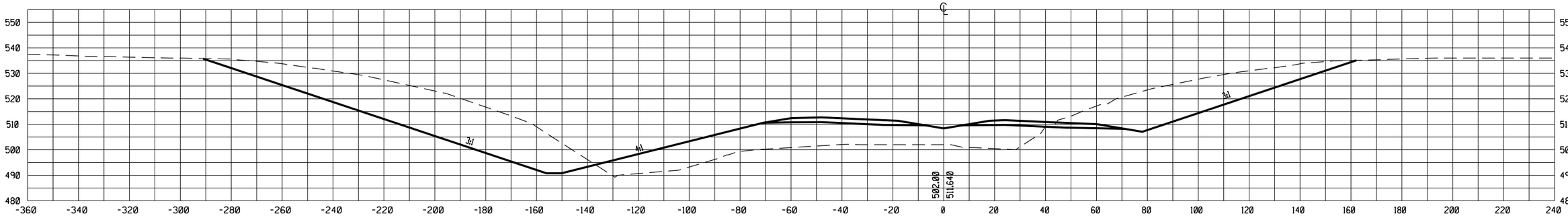
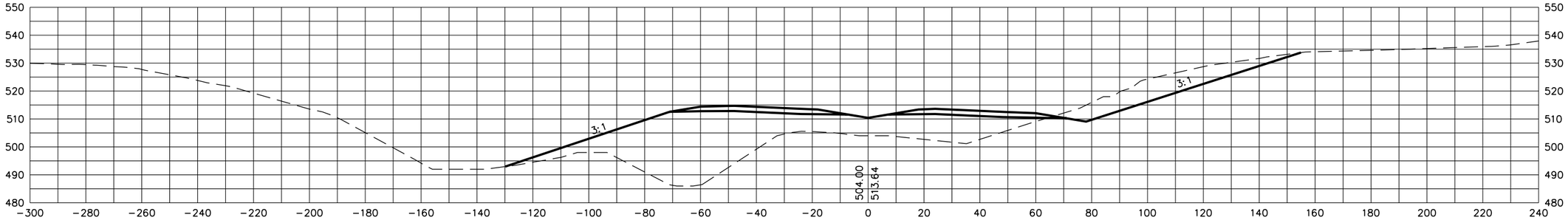
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	491
CONST	2014	36001-3290-14	

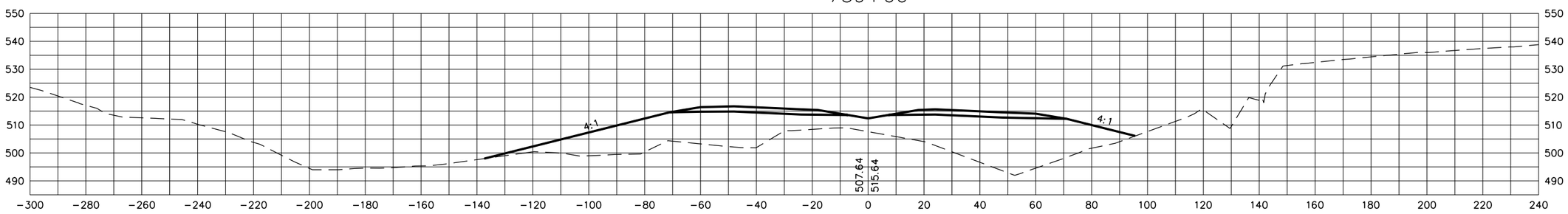
740+00



739+50



739+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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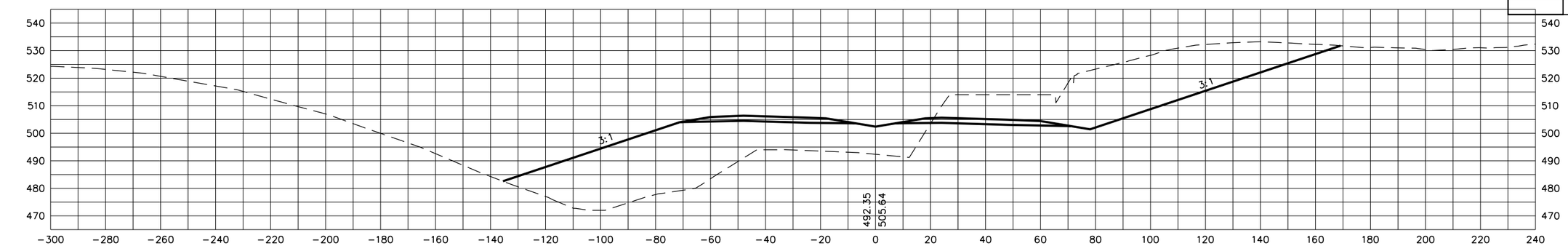
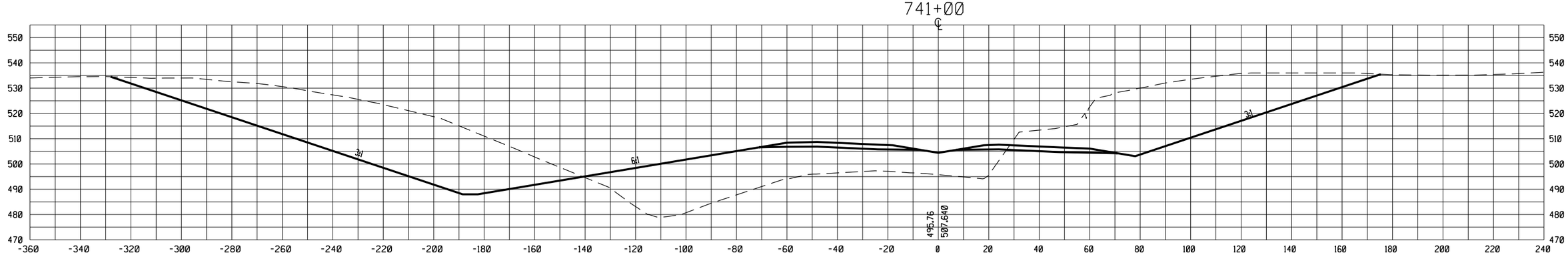
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	492
CONST	2014	36001-3290-14	

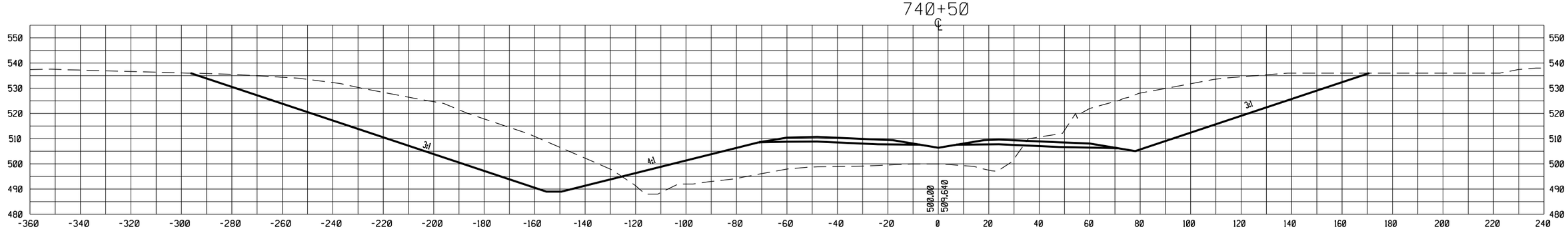
741+50



741+00



740+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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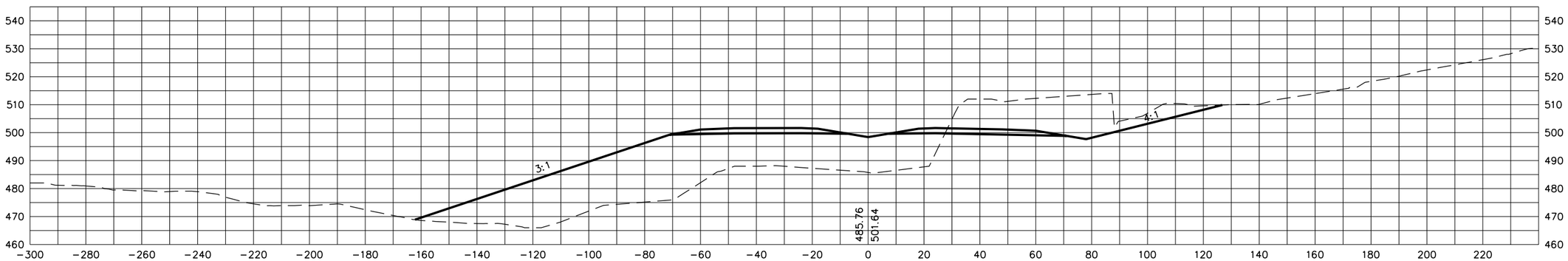
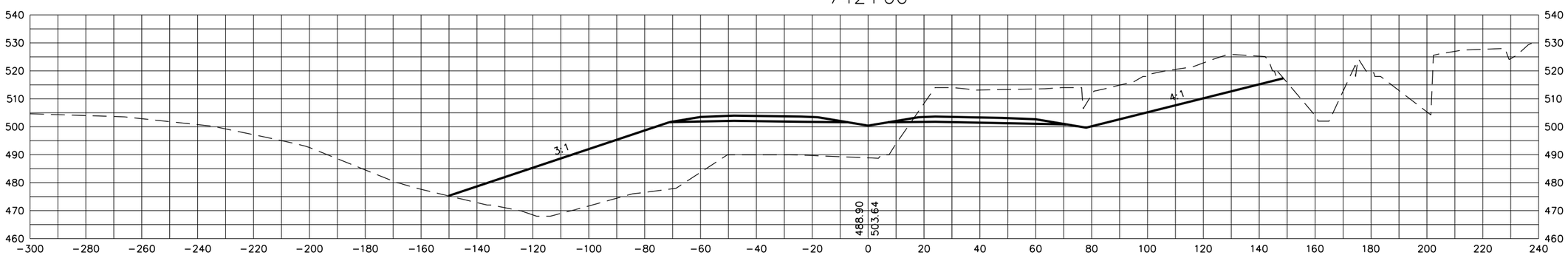
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	493
CONST	2014	36001-3290-14	

742+50



742+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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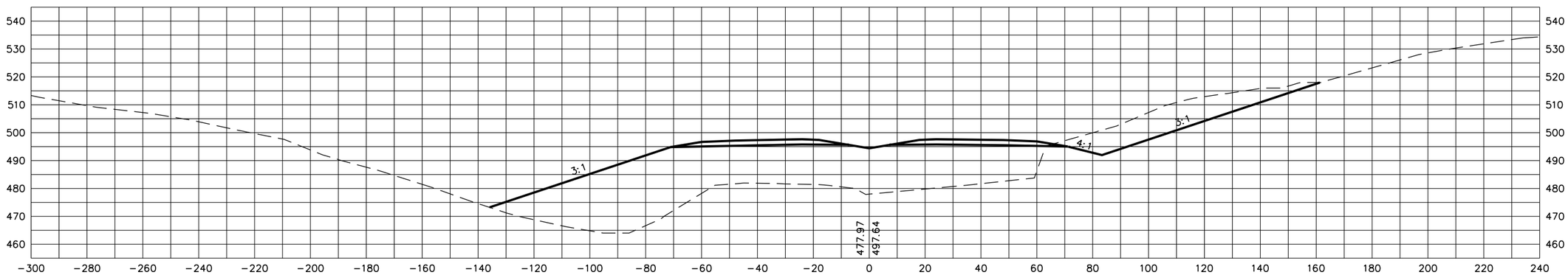
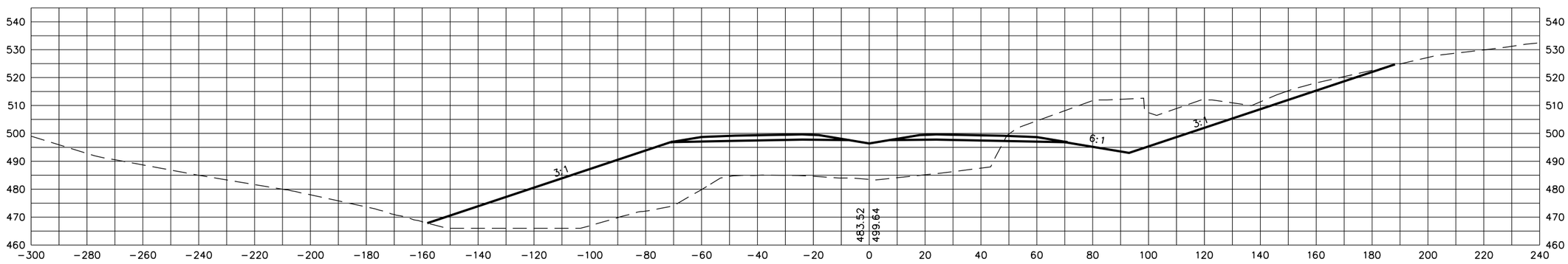
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	494
CONST	2014	36001-3290-14	

743+50



743+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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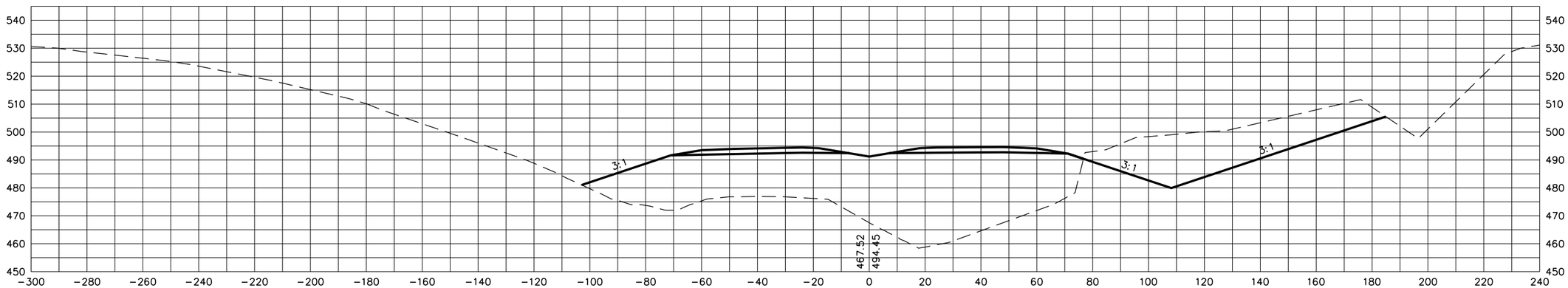
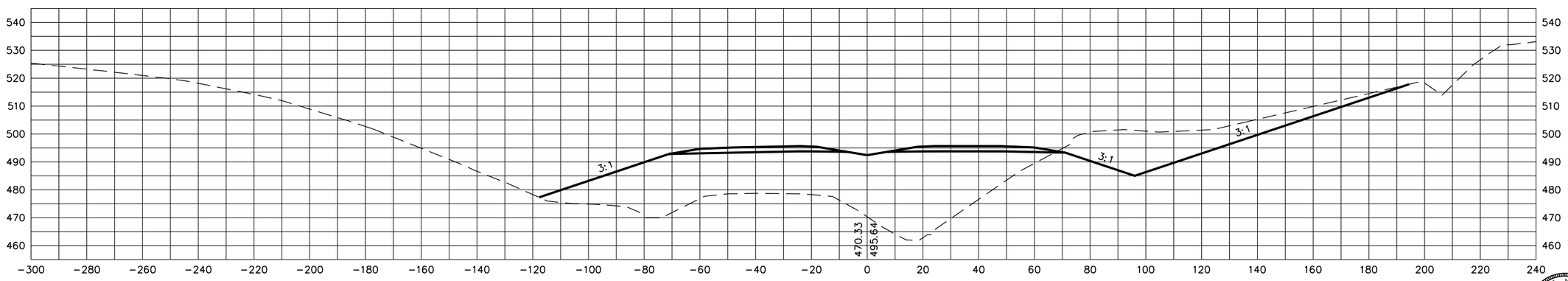
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

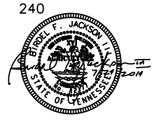
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	495
CONST	2014	36001-3290-14	

744+29.63



744+00





STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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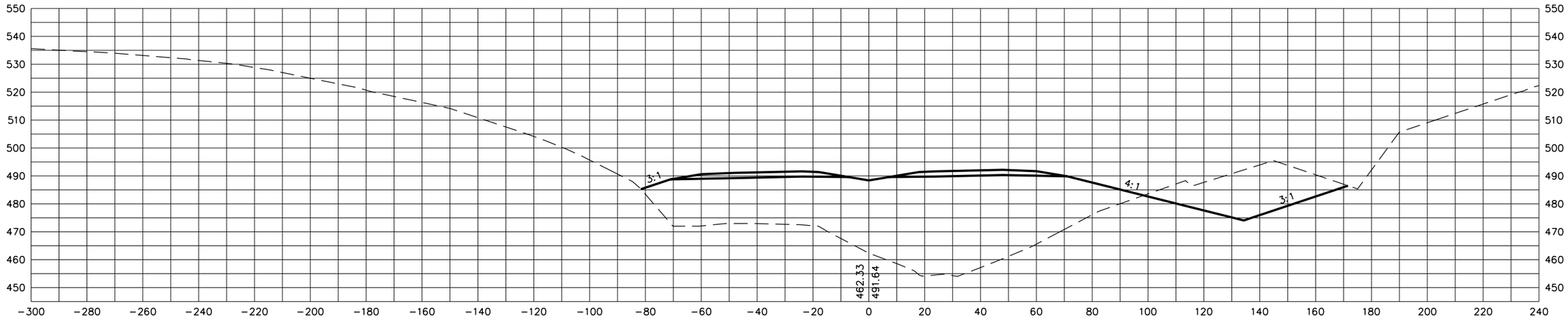
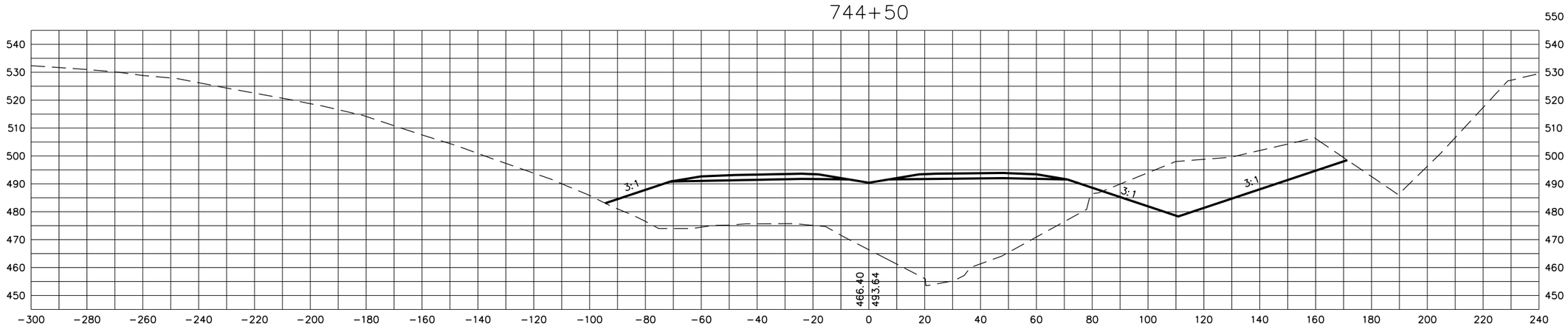
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	496
CONST	2014	36001-3290-14	

745+00



744+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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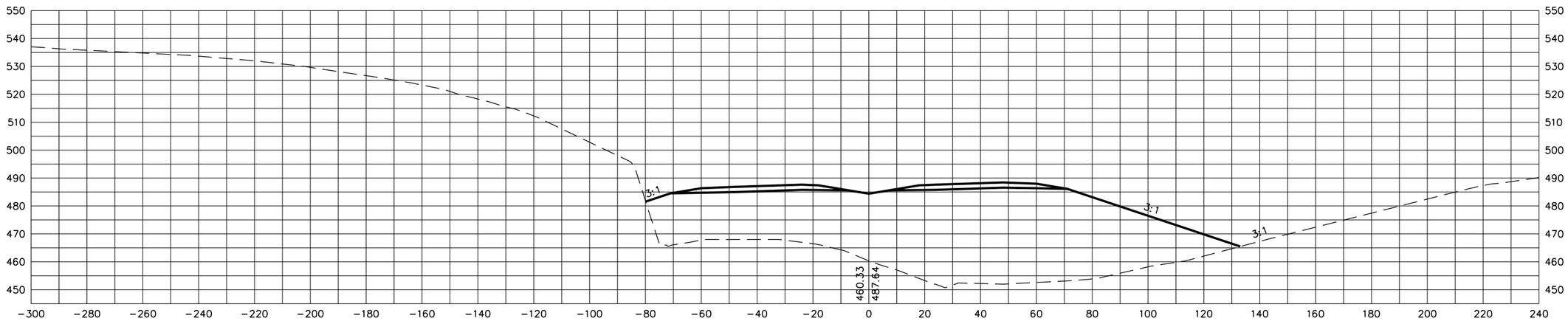
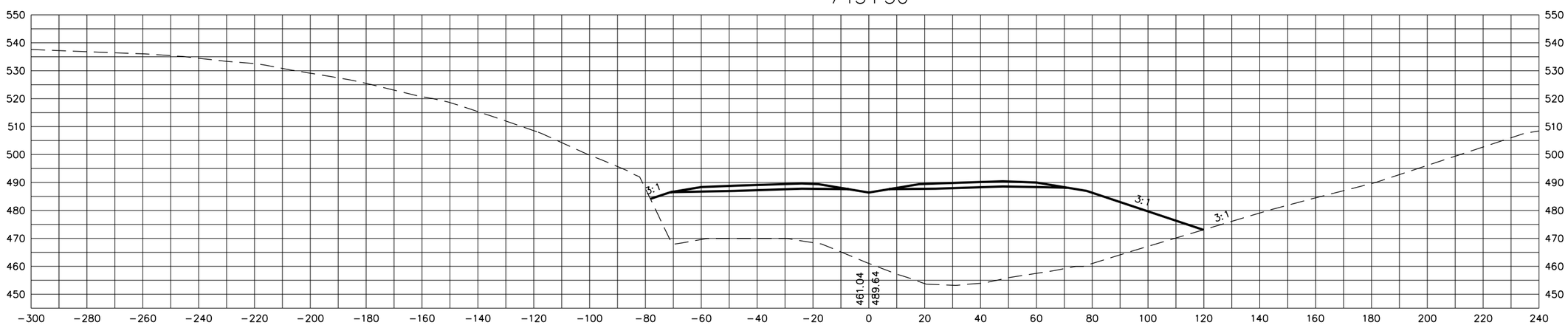
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	497
CONST	2014	36001-3290-14	

746+00



745+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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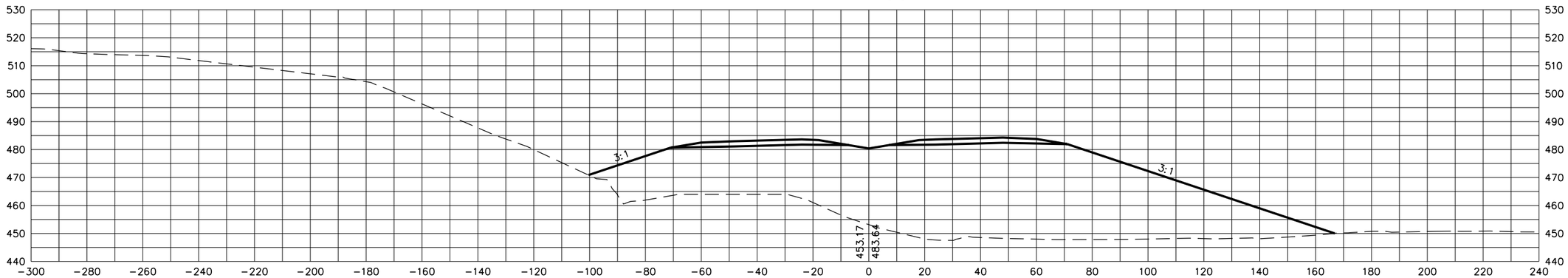
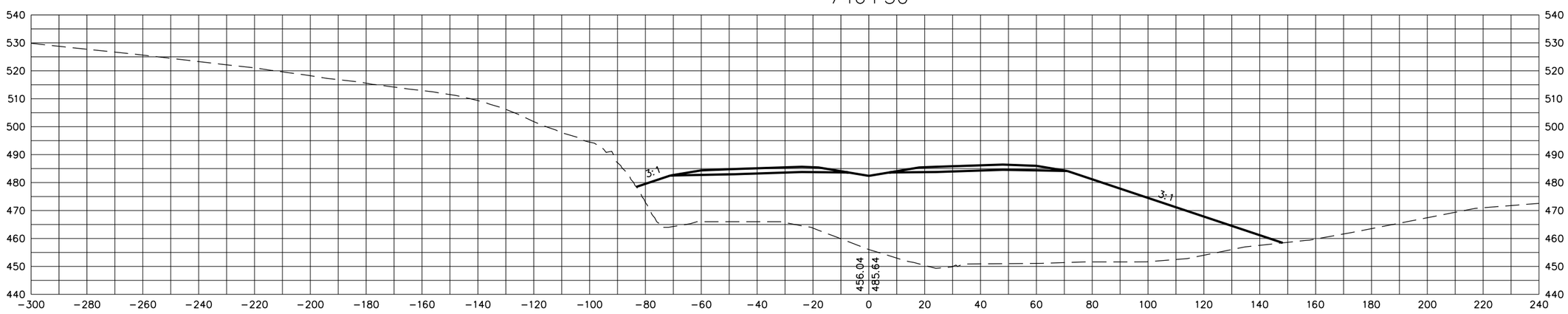
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	498
CONST	2014	36001-3290-14	

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

747+00



746+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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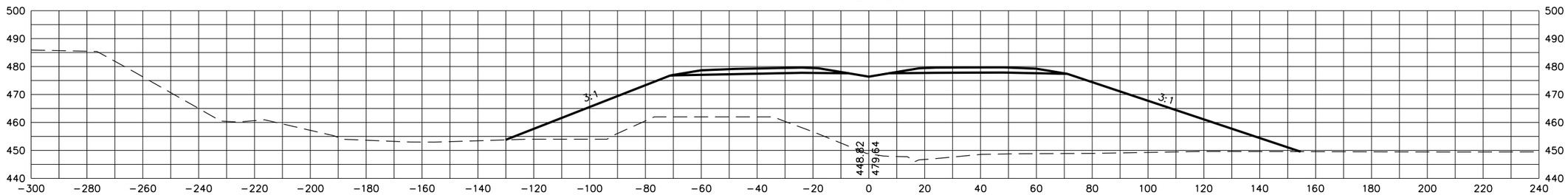
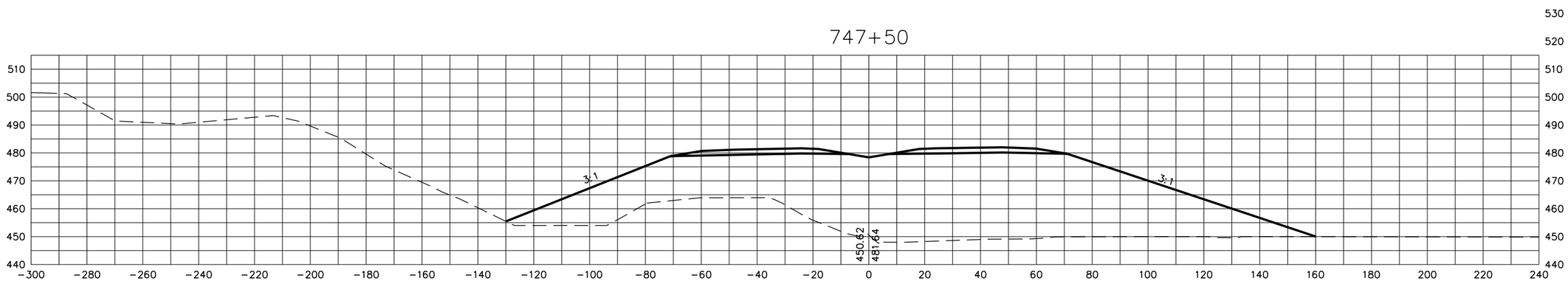
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	499
CONST	2014	36001-3290-14	

748+00



747+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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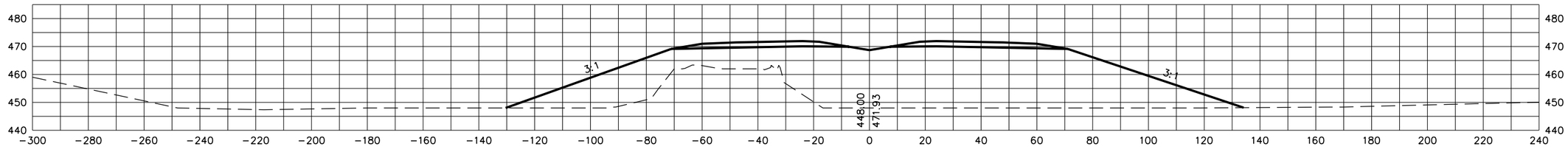
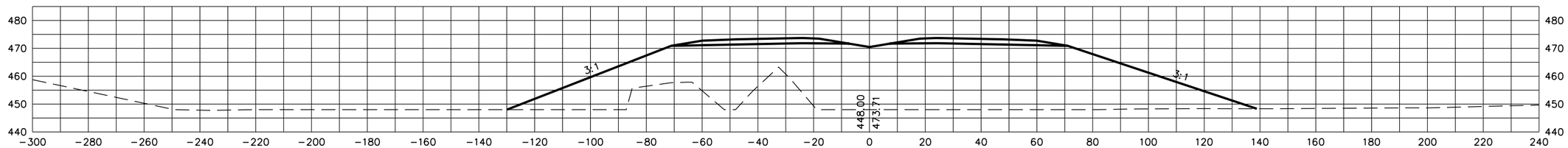
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	500
CONST	2014	36001-3290-14	

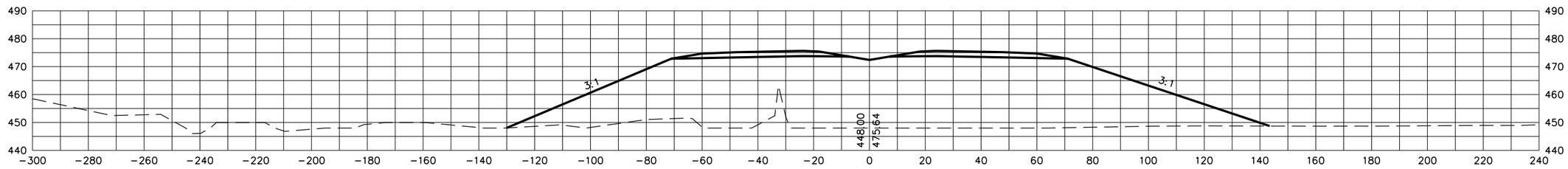
750+00



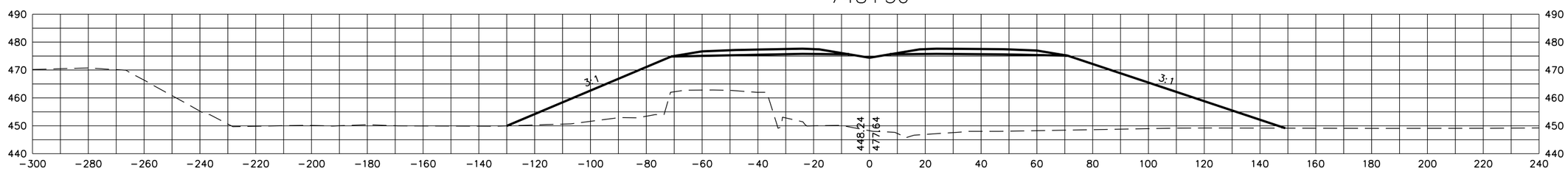
749+50



749+00



748+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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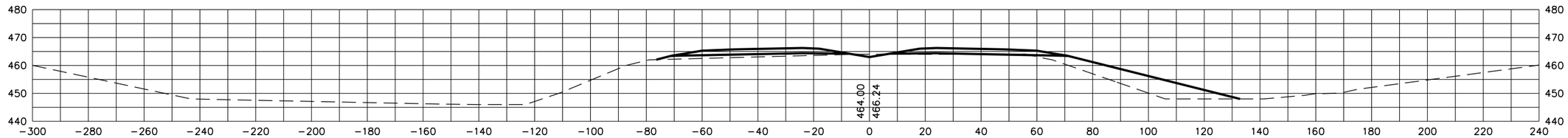
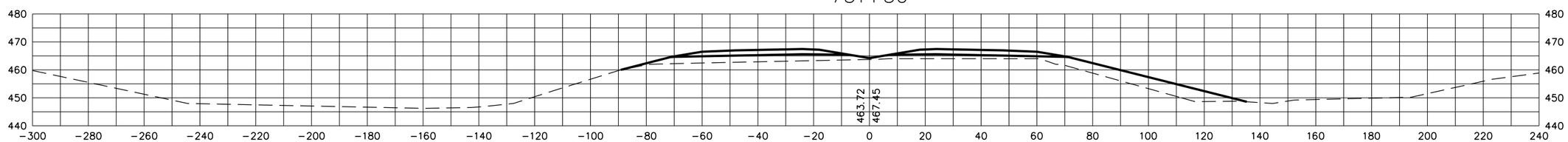
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	501
CONST	2014	36001-3290-14	

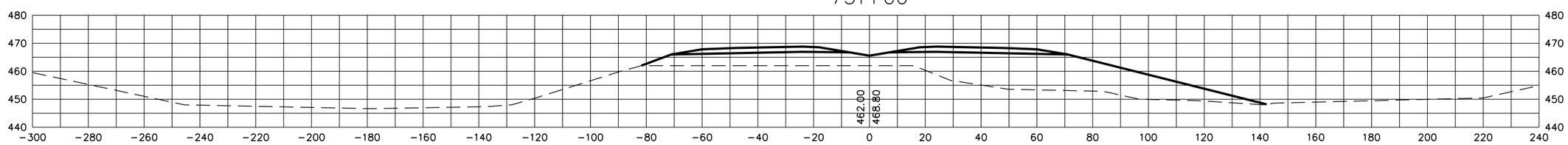
752+00



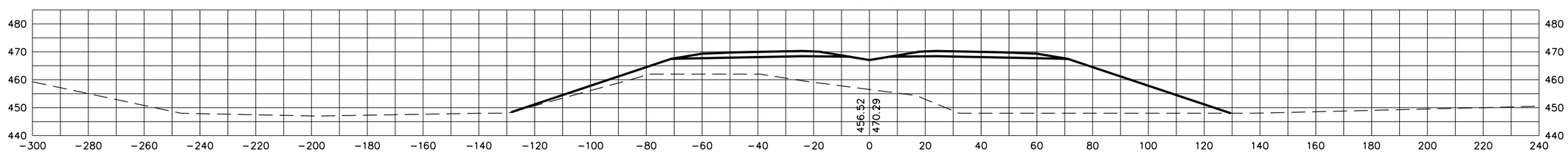
751+50



751+00



750+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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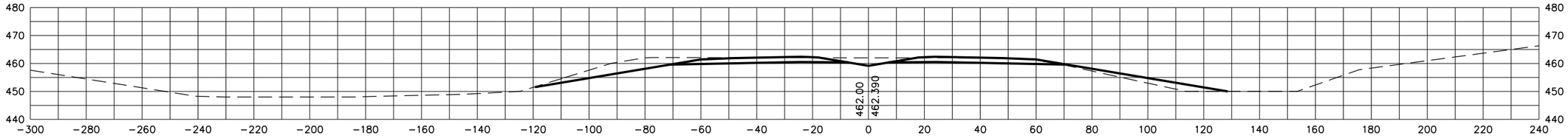
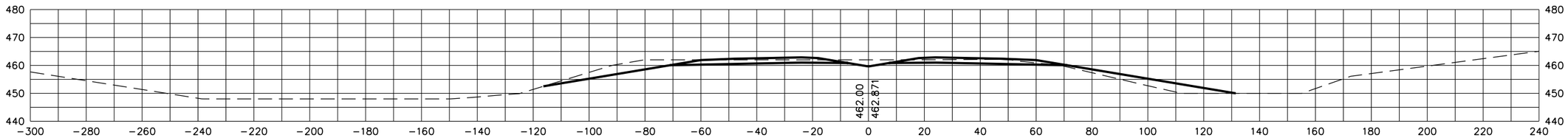
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	502
CONST	2014	36001-3290-14	

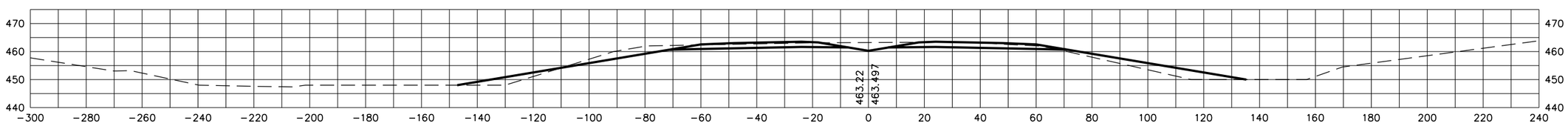
754+50



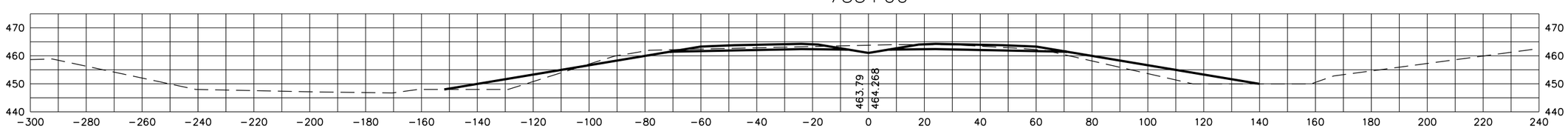
754+00



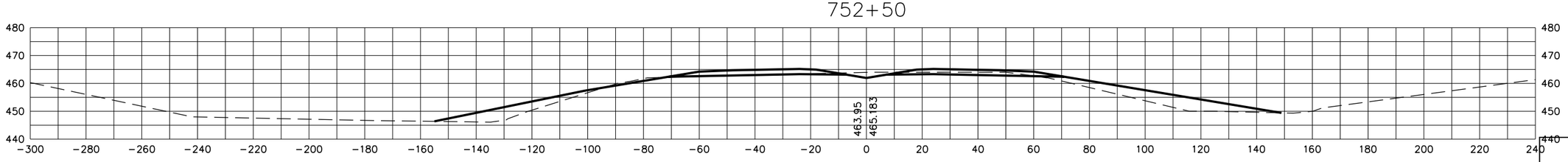
753+50



753+00



752+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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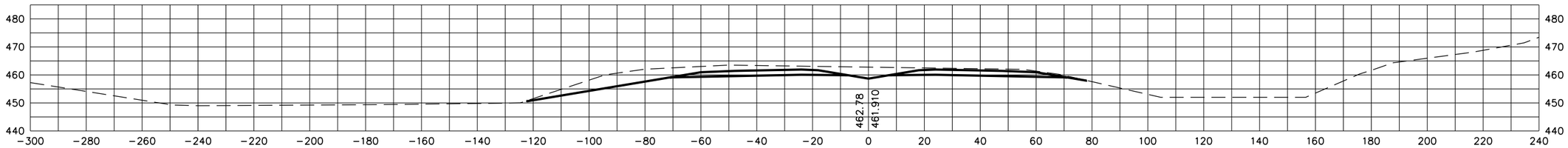
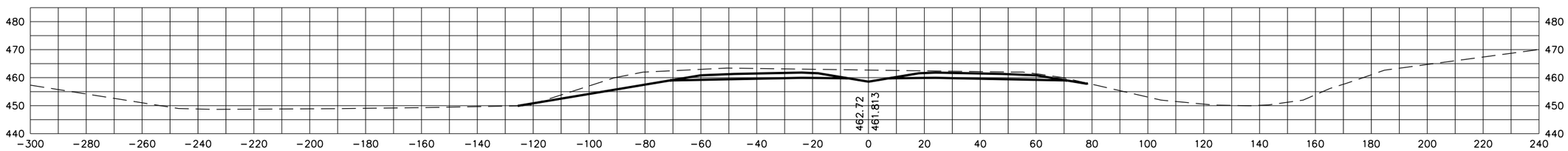
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	503
CONST	2014	36001-3290-14	

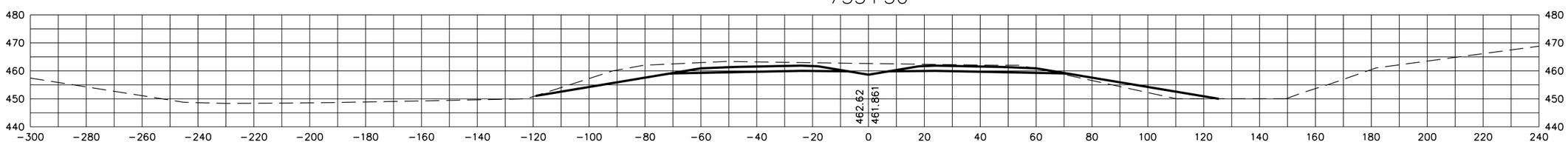
756+50



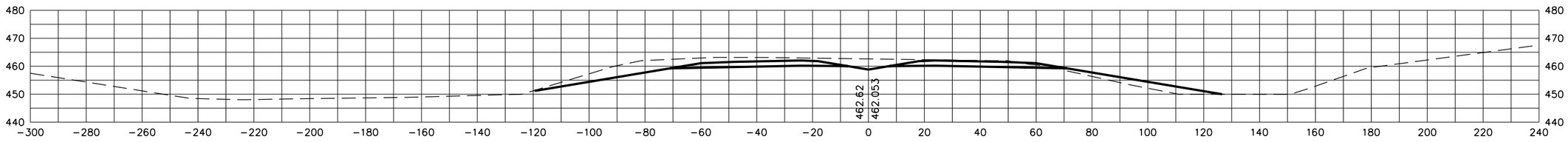
756+00



755+50



755+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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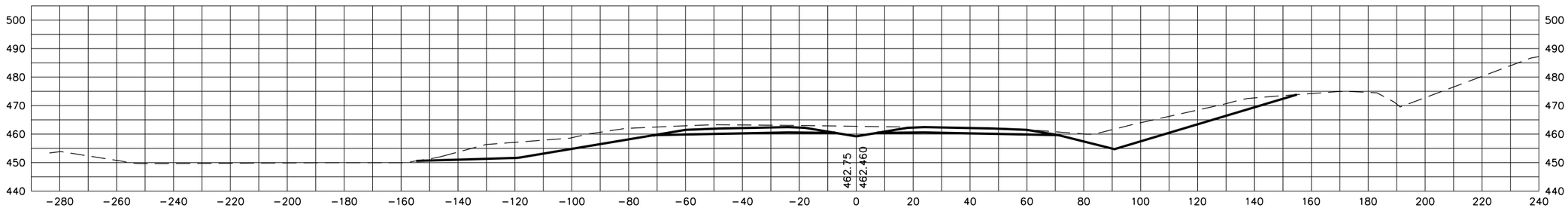
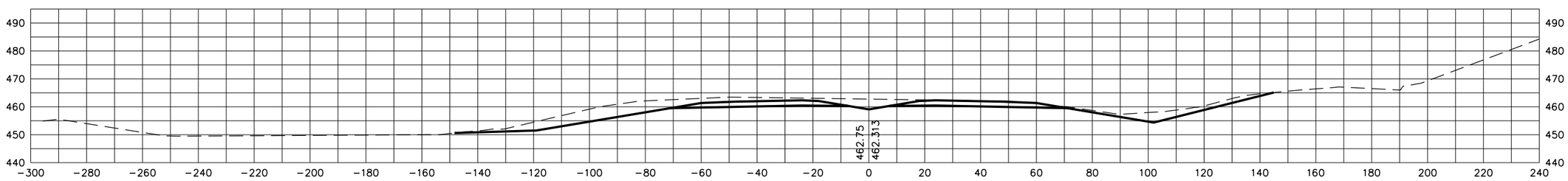
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	504
CONST	2014	36001-3290-14	

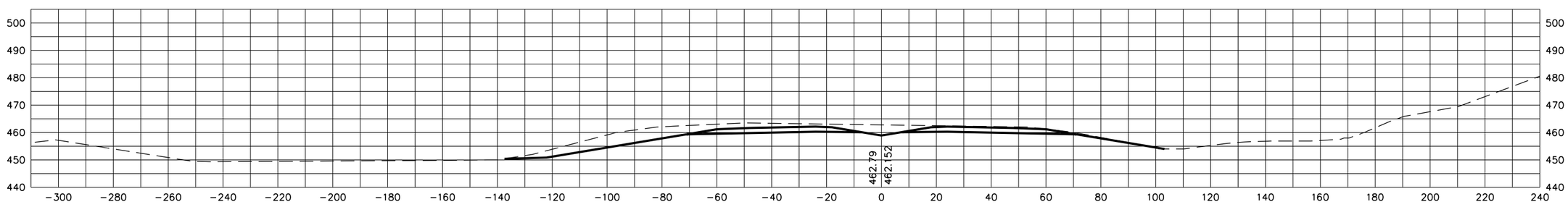
757+50



757+25.64



757+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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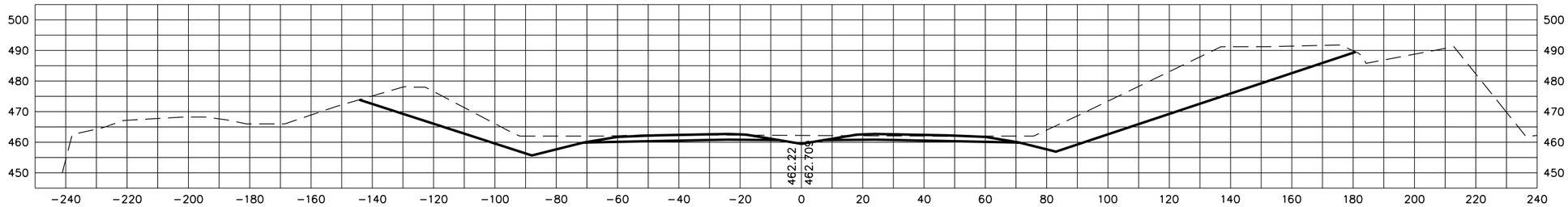
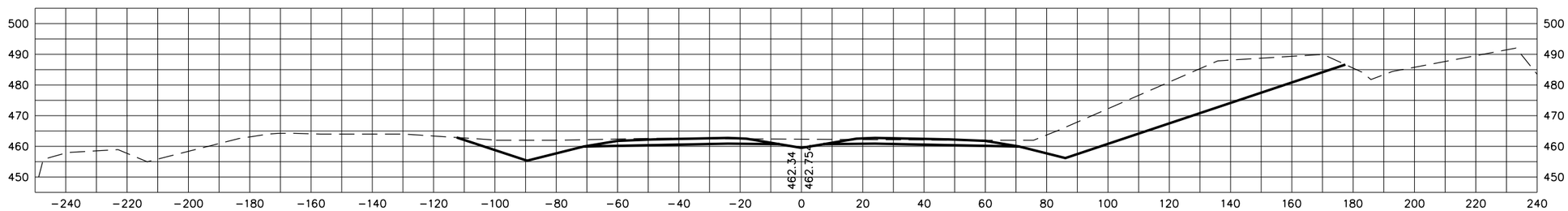
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	
CONST	2014	36001-3290-14	505

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

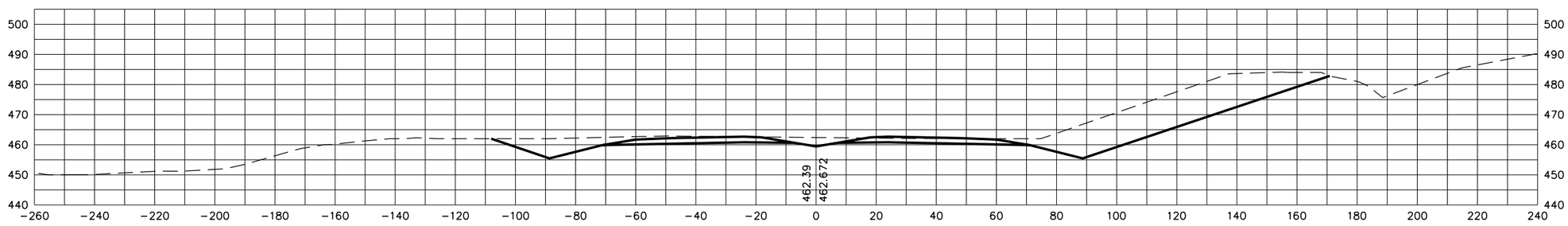
759+00



758+50



758+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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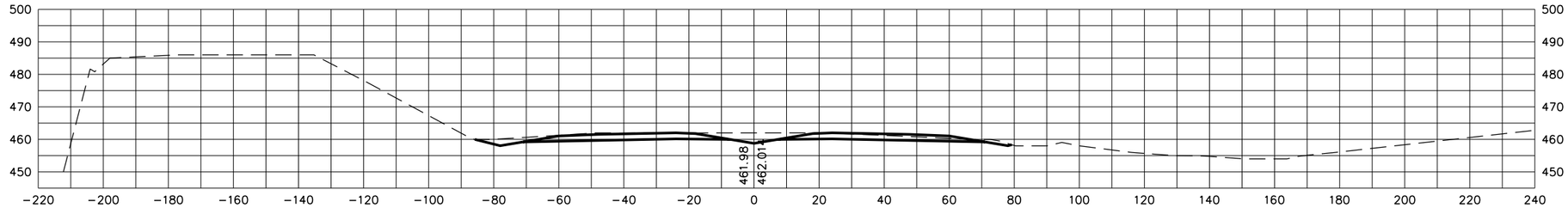
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	506
CONST	2014	36001-3290-14	

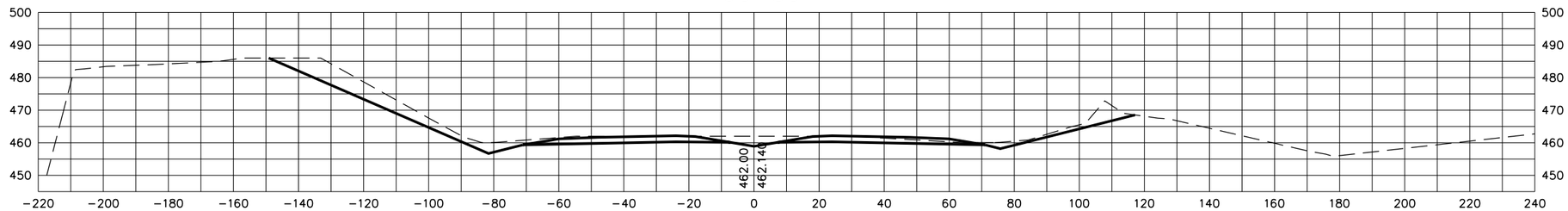
REV. 5-14-13

CHANGED SLOPE LIMIT
FROM STA. 759+50 LT
TO STA. 760+50 LT

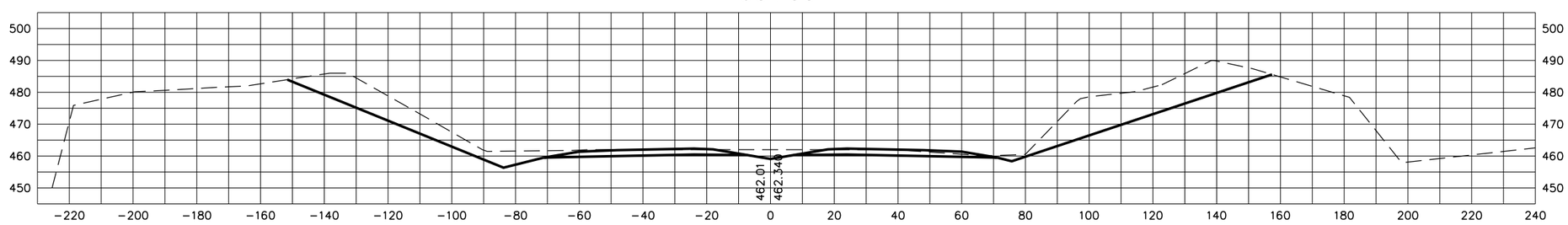
760+81.42



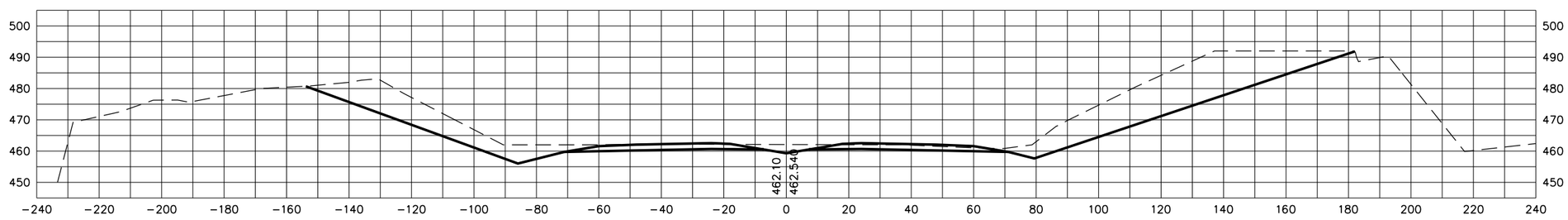
760+50



760+00



759+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

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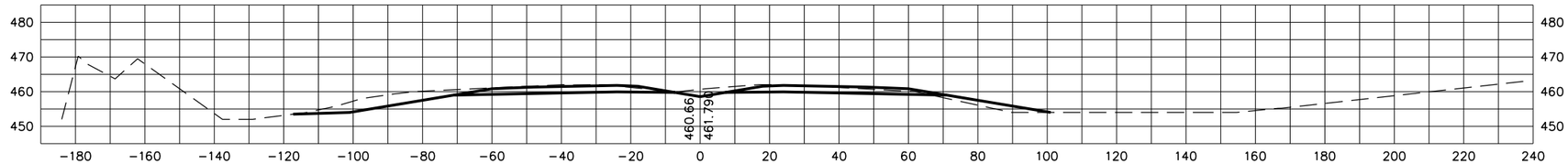
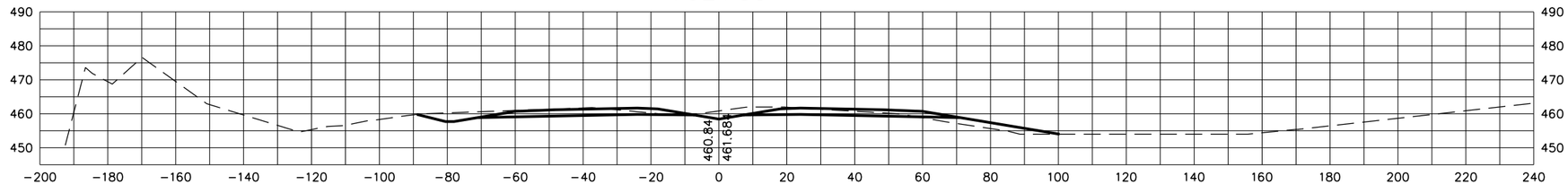
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	507
CONST	2014	36001-3290-14	

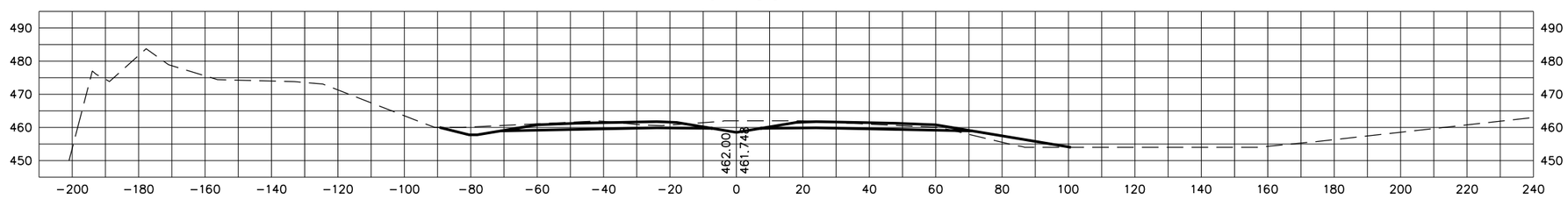
762+50



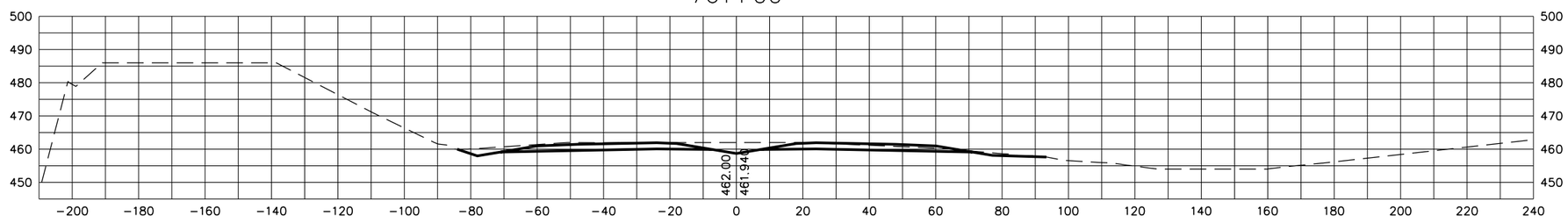
762+00



761+50



761+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15(U.S. HWY 64)
CROSS SECTIONS

SCALE: 1"=20' H, 20' V

8/20/2014
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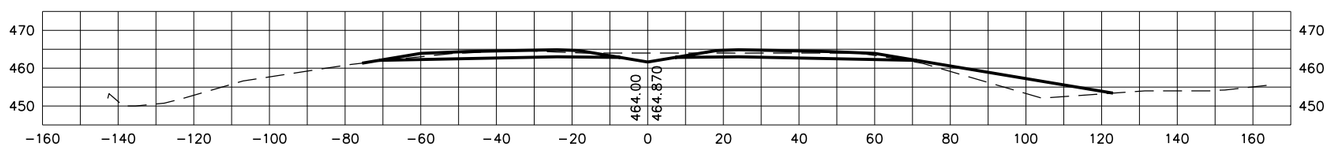
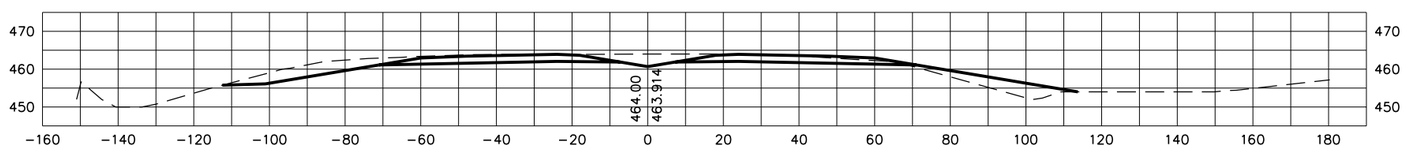
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	508
CONST	2014	36001-3290-14	

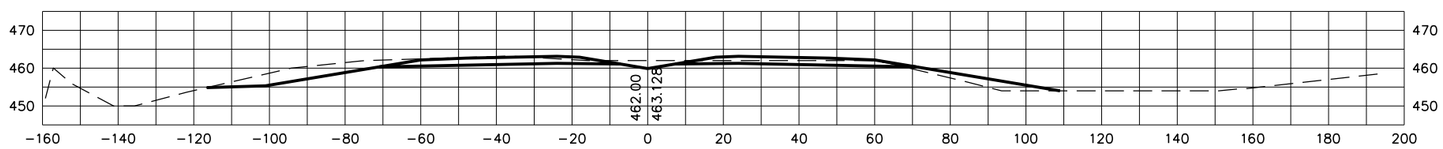
765+00



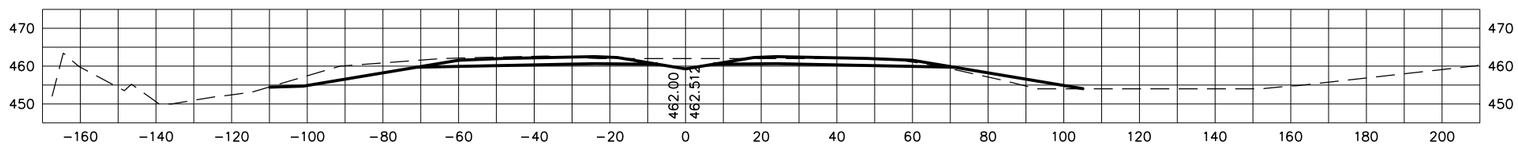
764+50



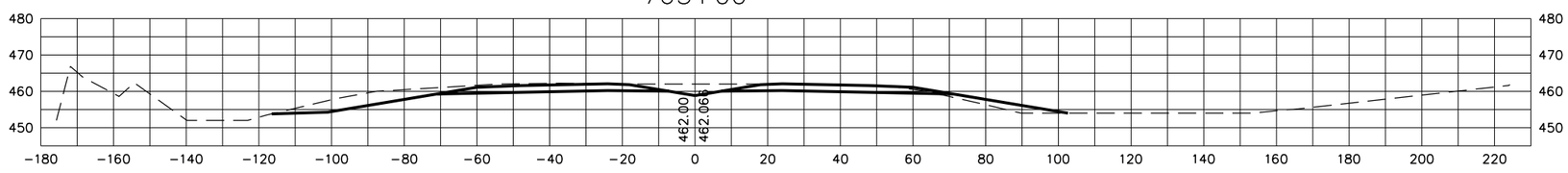
764+00



763+50



763+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

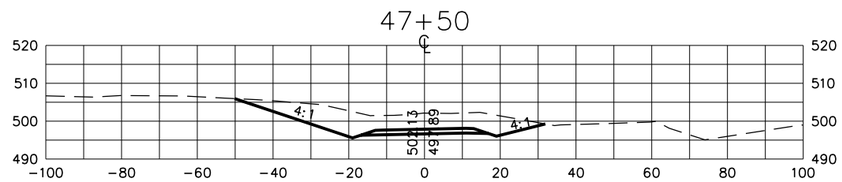
S.R. 15(U.S. HWY 64)
CROSS SECTIONS

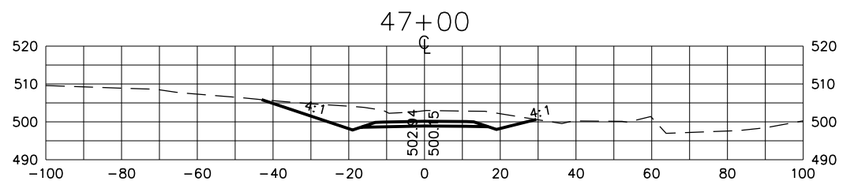
SCALE: 1"=20' H, 20' V

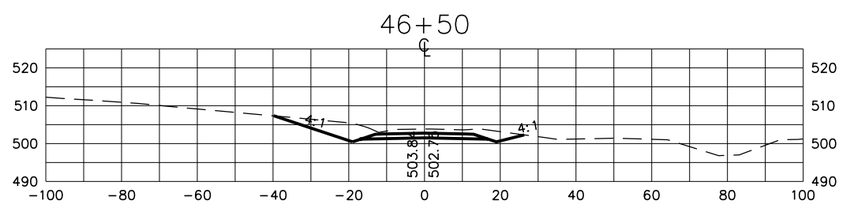
8/20/2014
C:\BEYONDSITES ENGINEERING\2011\11005BEJ-Parker1099\DESIGN\main_xsxns_SR15.dgn

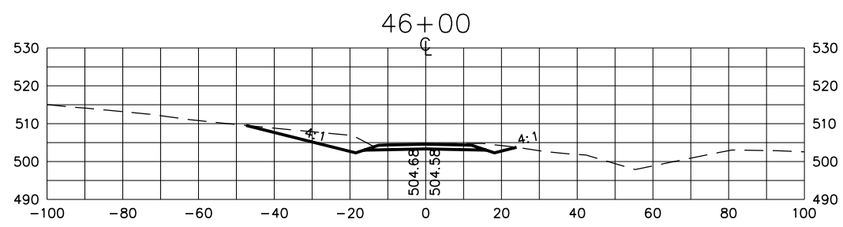
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	509
CONST	2014	36001-3290-14	

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









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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

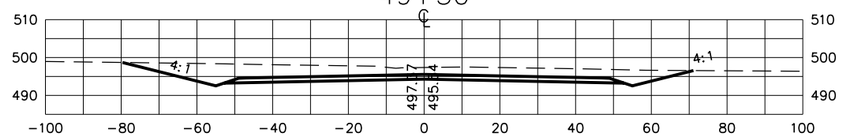
STANFILL ROAD

SCALE: 1" = 20'H, 20'V

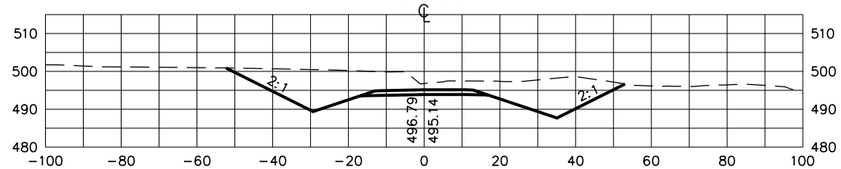
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	510
CONST	2014	36001-3290-14	

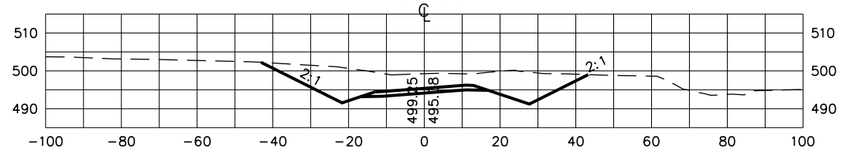
49+50



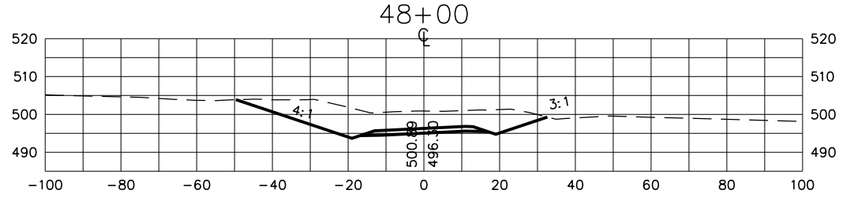
49+00



48+50



48+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

STANFILL ROAD

SCALE: 1" = 20'H, 20'V

8/20/2014
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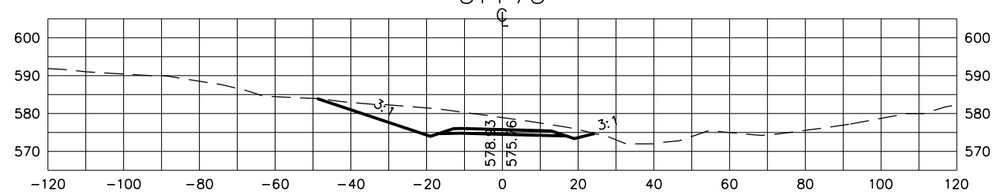
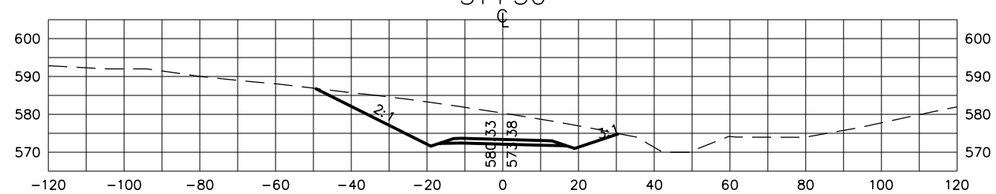
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	511
CONST	2014	36001-3290-14	

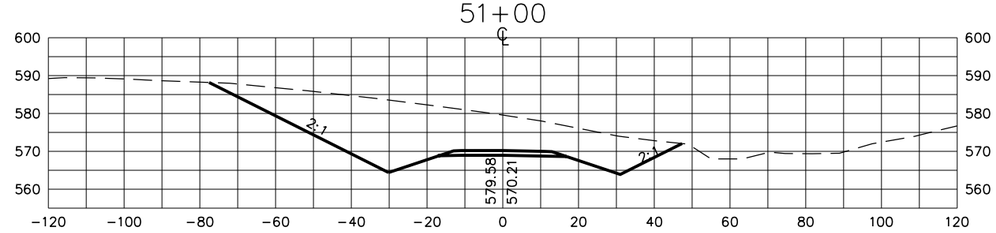
51+75



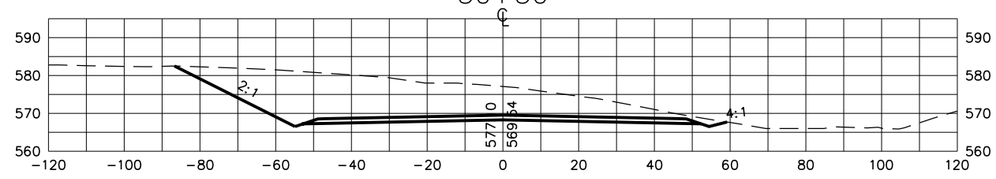
51+50



51+00



50+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

HIDDEN CAVE ROAD

SCALE: 1" = 20'H, 20'V

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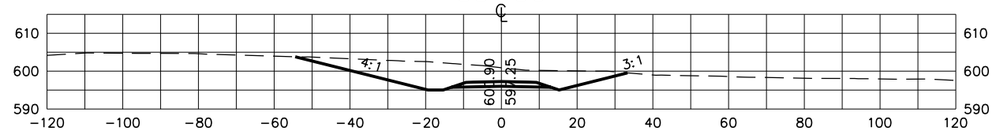
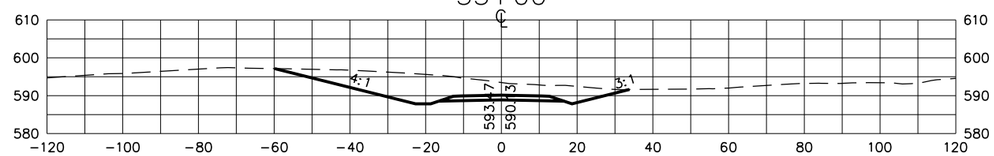
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	512
CONST	2014	36001-3290-14	

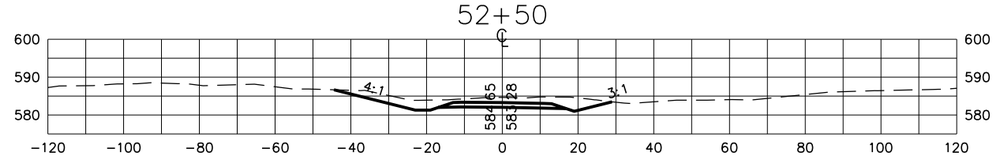
53+50



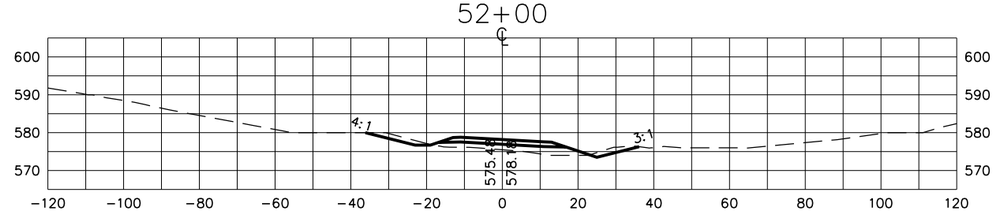
53+00



52+50



52+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

HIDDEN CAVE ROAD

SCALE: 1" = 20'H, 20'V

8/20/2014
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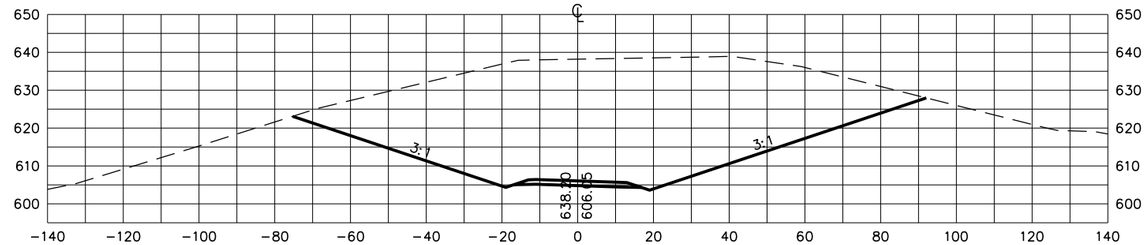
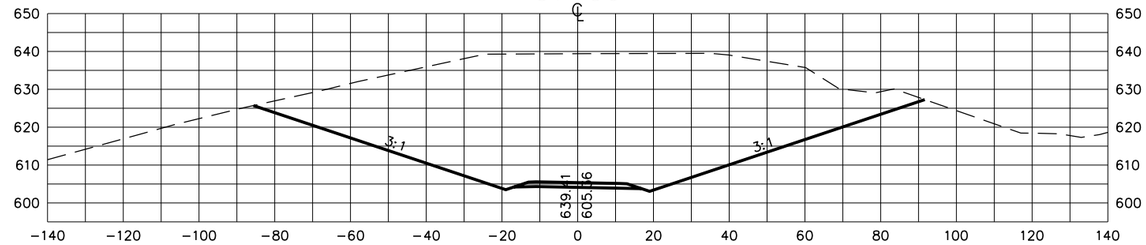
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	513
CONST	2014	36001-3290-14	

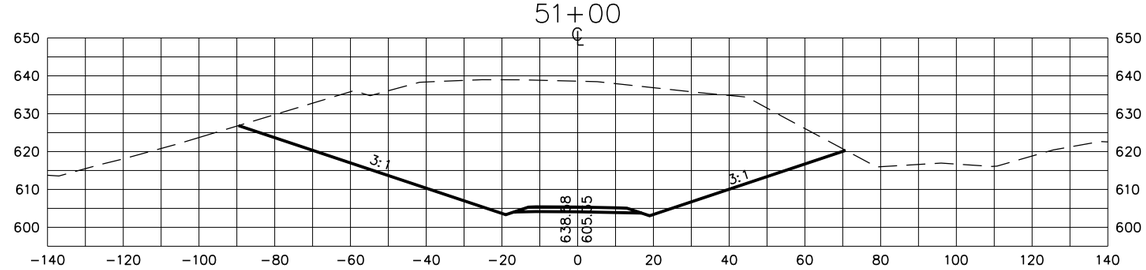
52+00



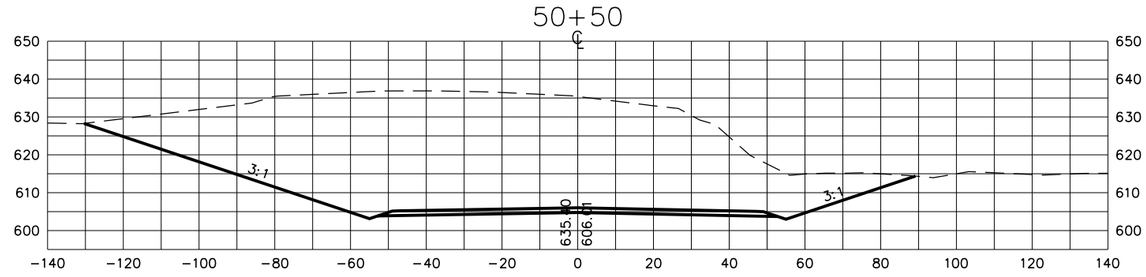
51+50



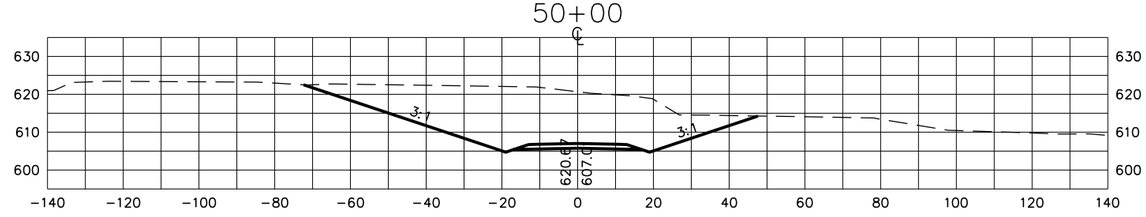
51+00



50+50



50+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

LONESOME PINE ROAD

SCALE: 1" = 20'H, 20'V

8/20/2014
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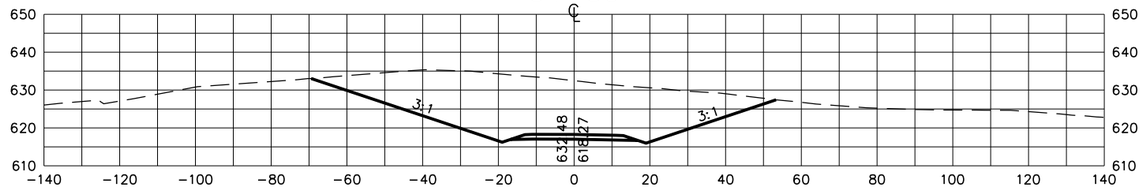
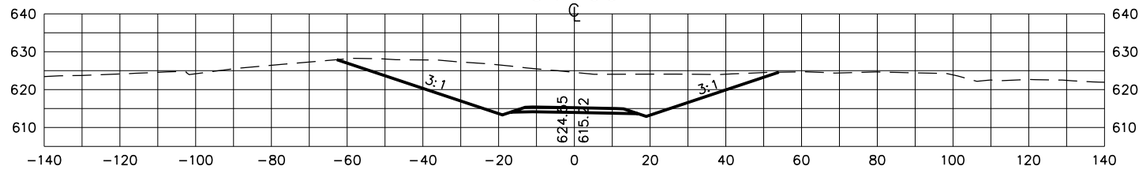
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	514
CONST	2014	36001-3290-14	

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

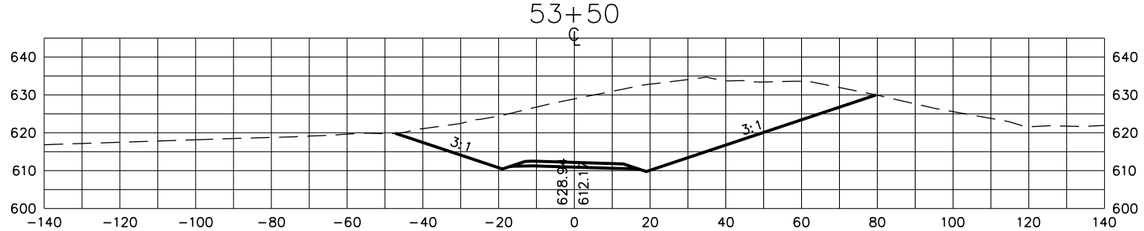
54+50



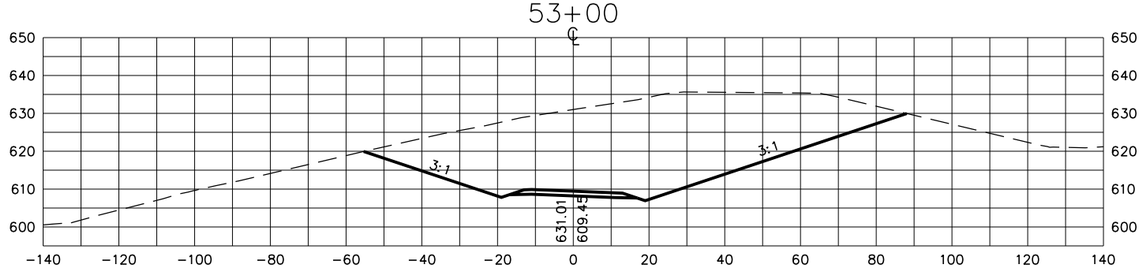
54+00



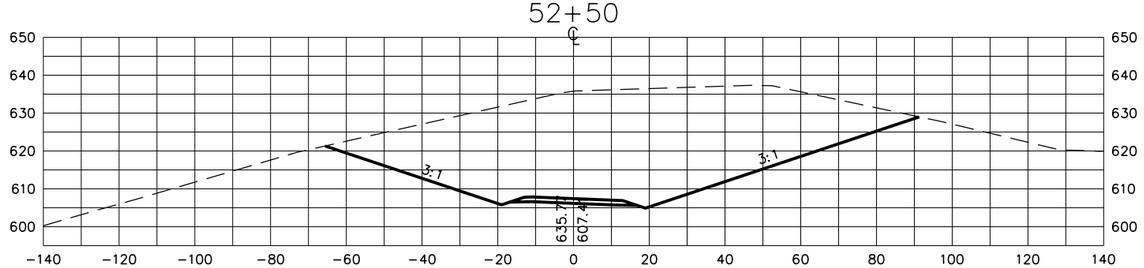
53+50



53+00



52+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

LONESOME PINE ROAD

SCALE: 1" = 20'H, 20'V

3/20/2014
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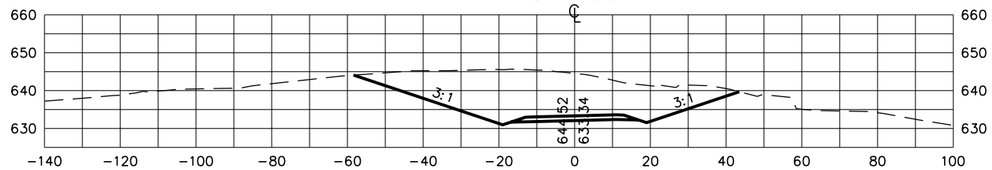
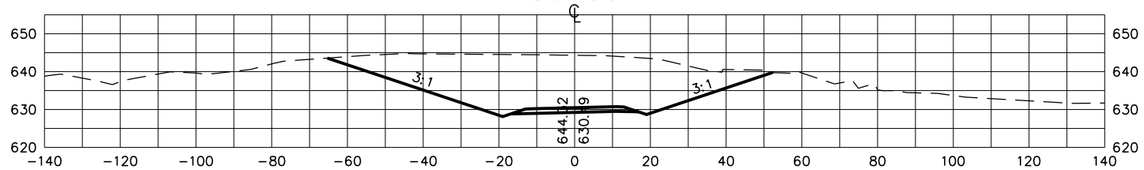
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	515
CONST	2014	36001-3290-14	

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

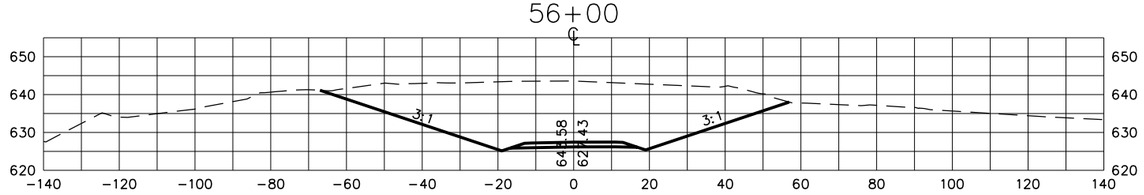
57+00



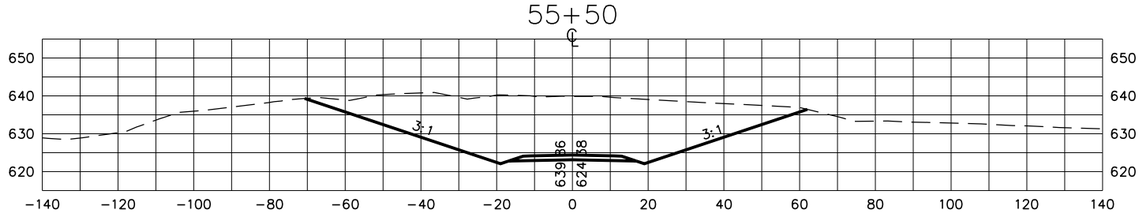
56+50



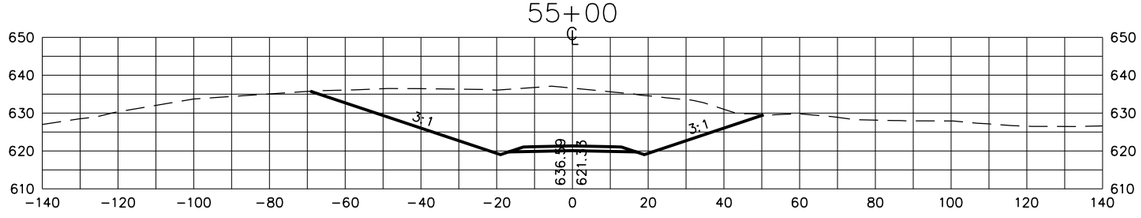
56+00



55+50



55+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

LONESOME PINE ROAD

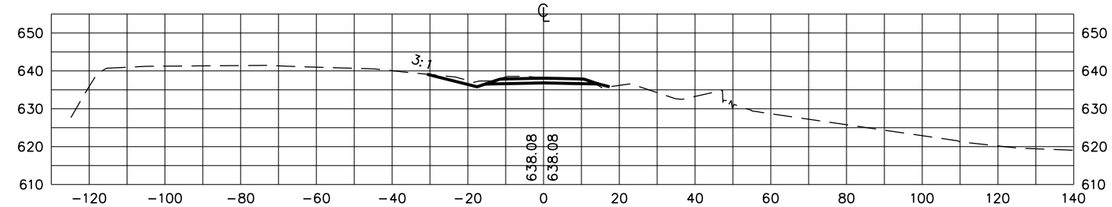
SCALE: 1" = 20'H, 20'V

3/20/2014
C:\BEYONDSITES ENGINEERING\2011\1005BEJ-Parker1099\DESIGN\siderood_xsxns.dgn

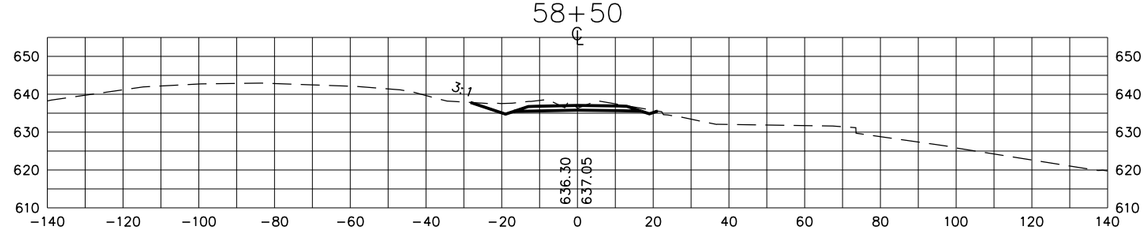
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	516
CONST	2014	36001-3290-14	

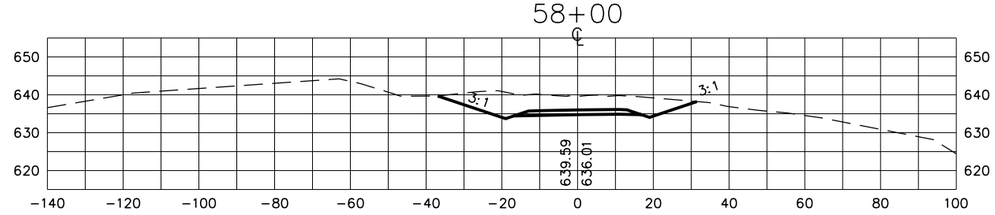
59+00



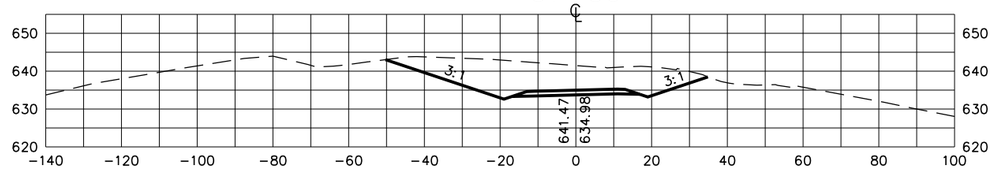
58+50



58+00



57+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

LONESOME PINE ROAD

SCALE: 1" = 20'H, 20'V

3/20/2014
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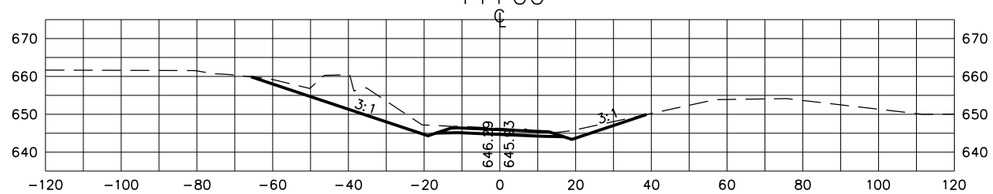
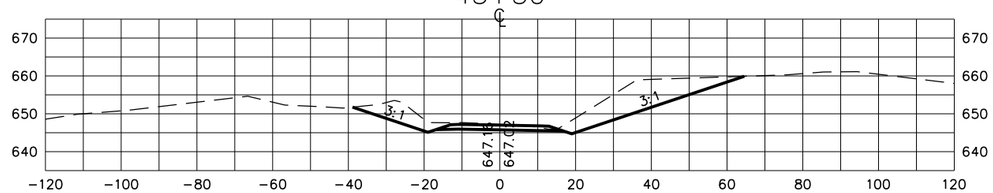
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	517
CONST	2014	36001-3290-14	

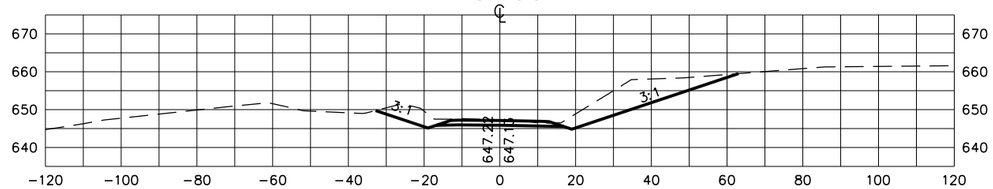
44+00



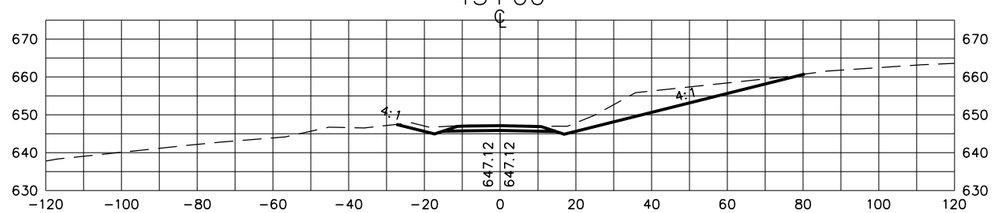
43+50



43+35



43+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

SMITH FORK ROAD

SCALE: 1" = 20'H, 20'V

8/20/2014
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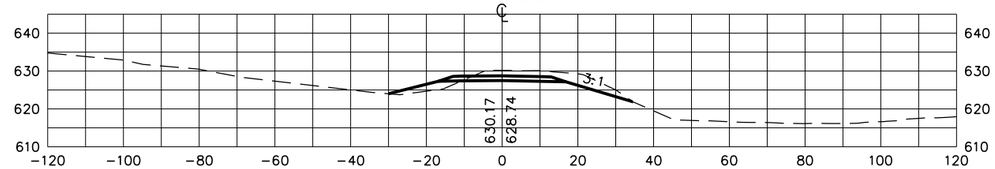
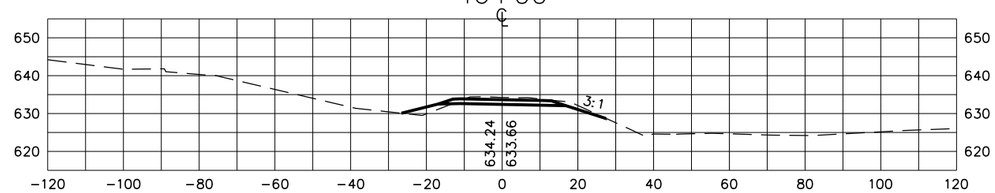
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	518
CONST	2014	36001-3290-14	

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

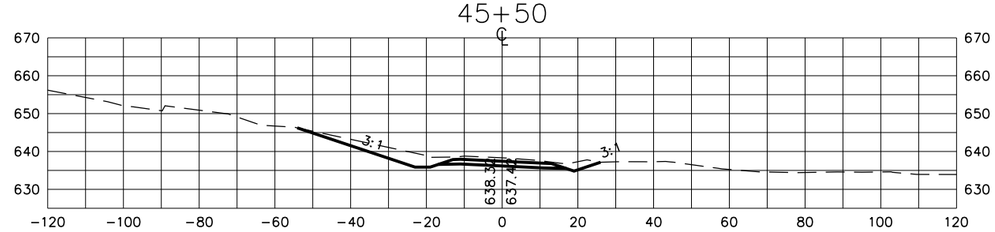
46+50



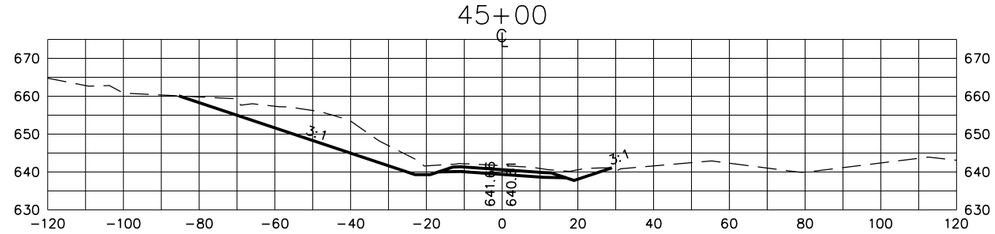
46+00



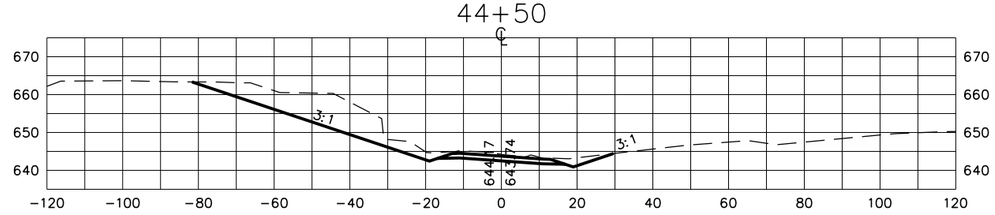
45+50



45+00



44+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

SMITH FORK ROAD

SCALE: 1" = 20'H, 20'V

8/20/2014
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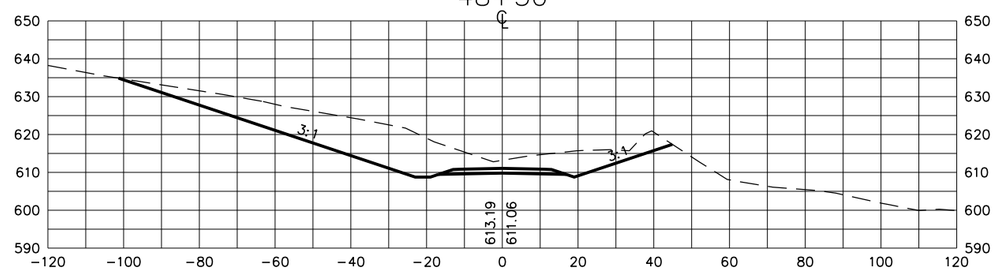
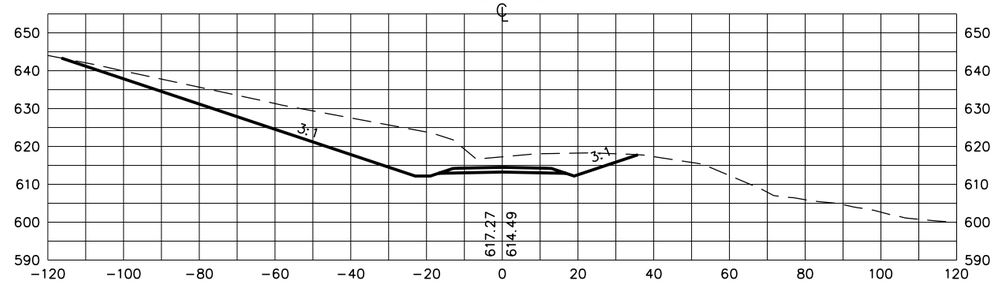
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	519
CONST	2014	36001-3290-14	

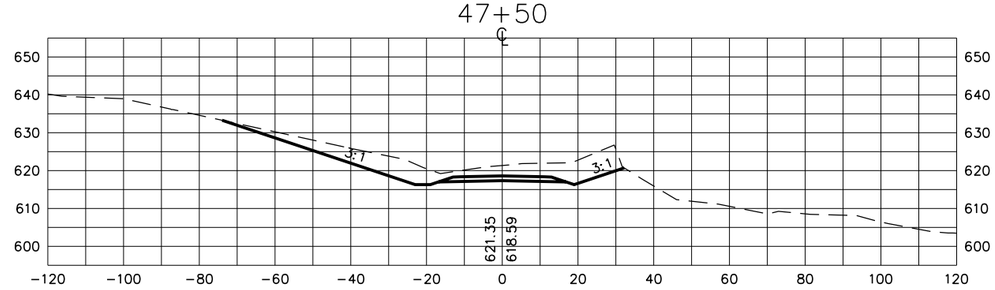
48+50



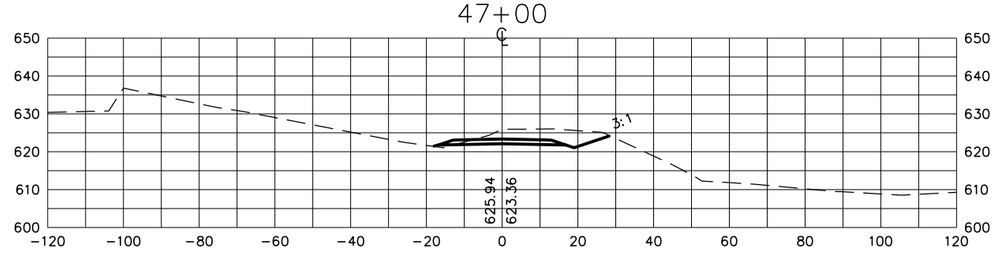
48+00



47+50



47+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

SMITH FORK ROAD

SCALE: 1" = 20'H, 20'V

8/20/2014
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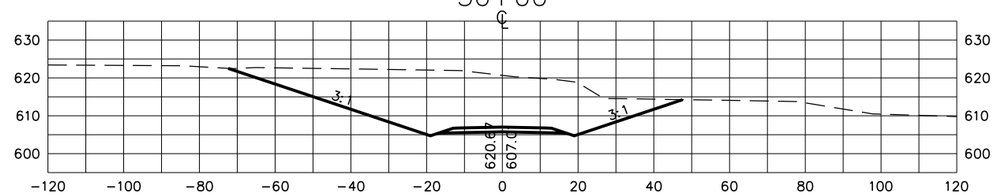
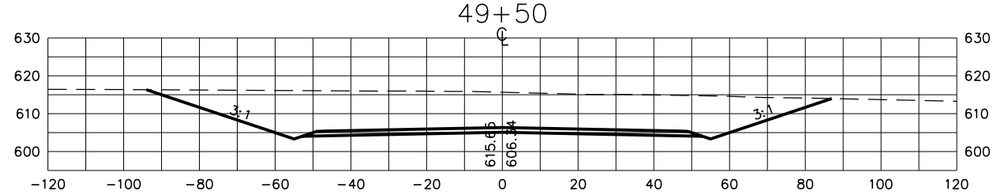
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	520
CONST	2014	36001-3290-14	

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

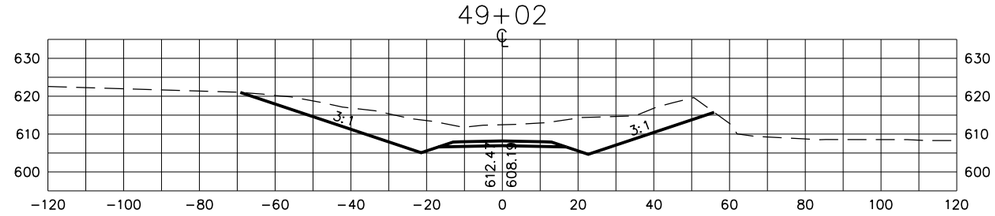
50+00



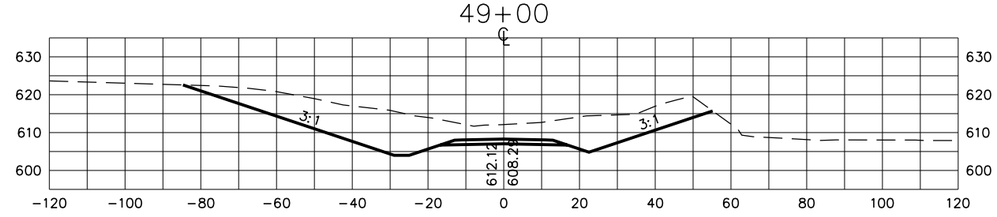
49+50



49+02



49+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

SMITH FORK ROAD

SCALE: 1" = 20'H, 20'V

8/20/2014
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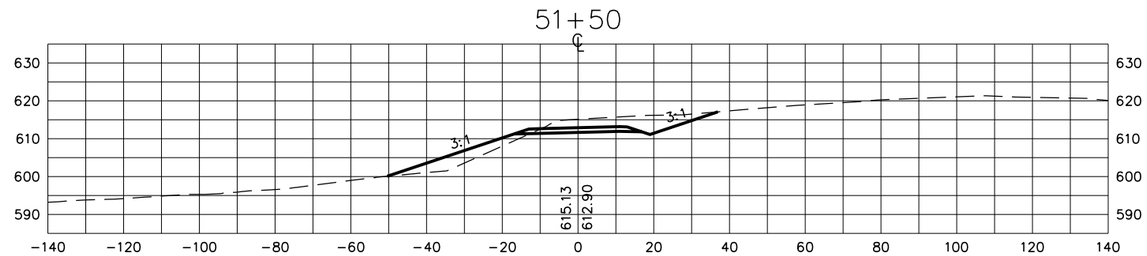
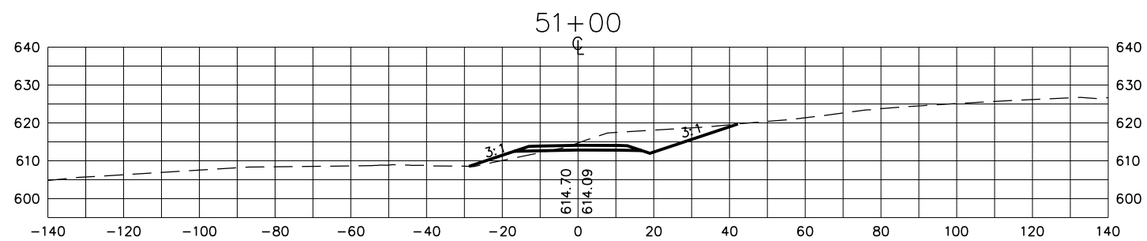
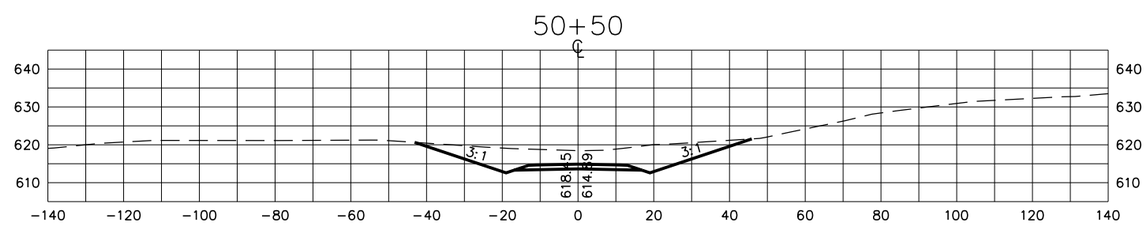
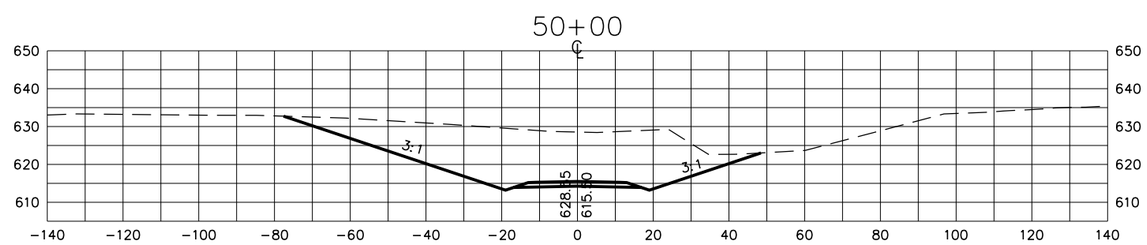
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	521
CONST	2014	36001-3290-14	

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









STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

SHADY GROVE ROAD WEST

SCALE: 1" = 20'H, 20'V

8/20/2014
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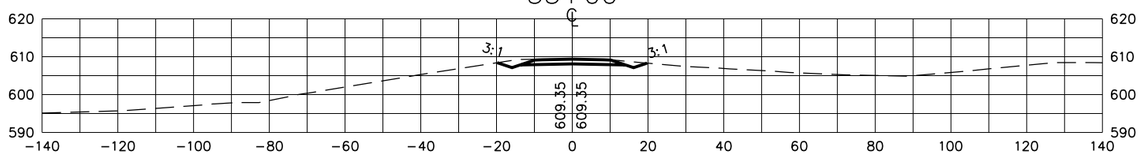
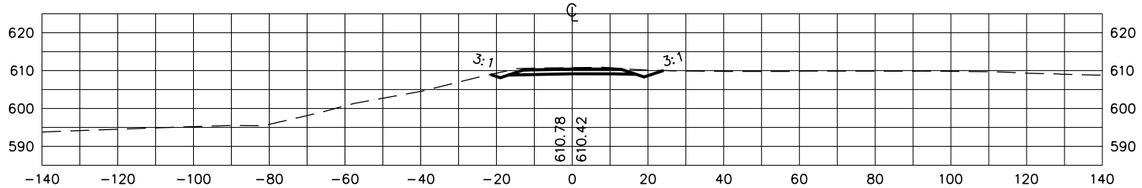
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	522
CONST	2014	36001-3290-14	

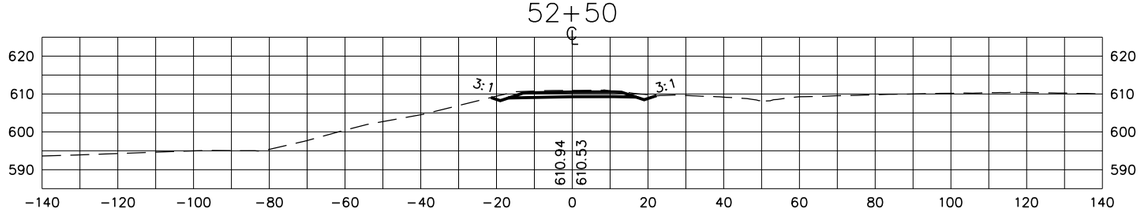
53+00



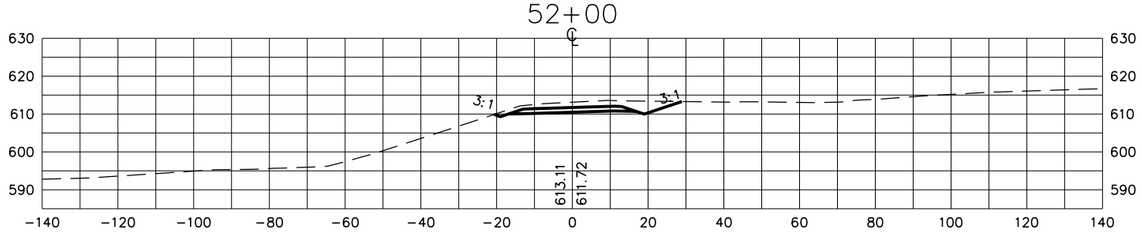
52+55



52+50



52+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

SHADY GROVE ROAD WEST

SCALE: 1" = 20'H, 20'V

8/20/2014
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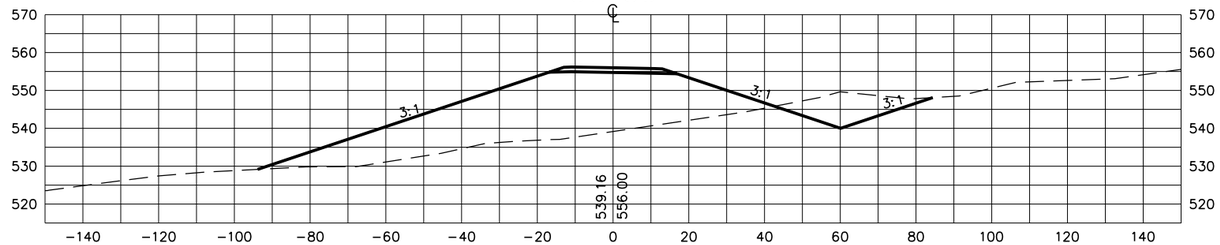
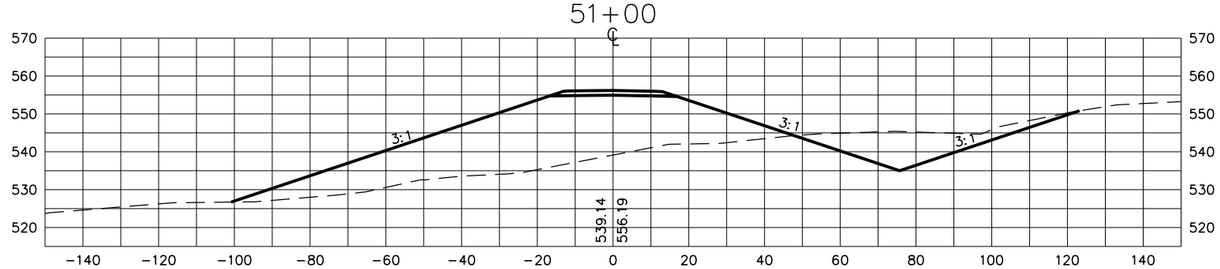
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	523
CONST	2014	36001-3290-14	

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

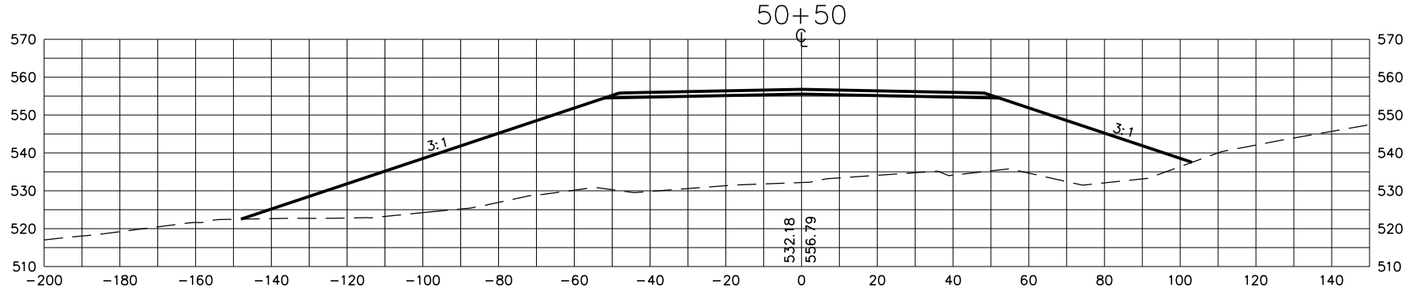
51+50



51+00



50+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

SHADY GROVE ROAD EAST

SCALE: 1" = 20'H, 20'V

8/20/2014
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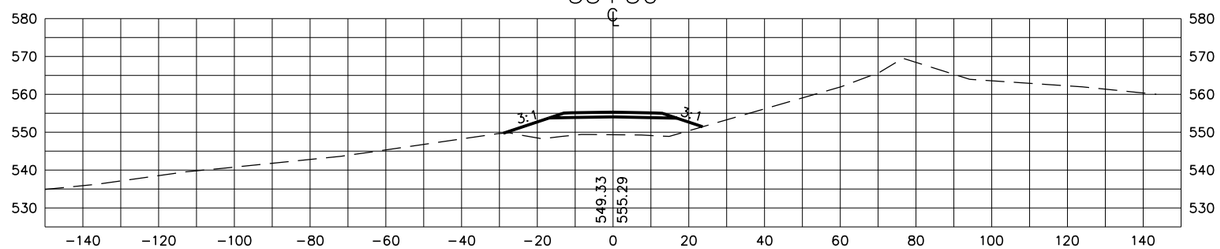
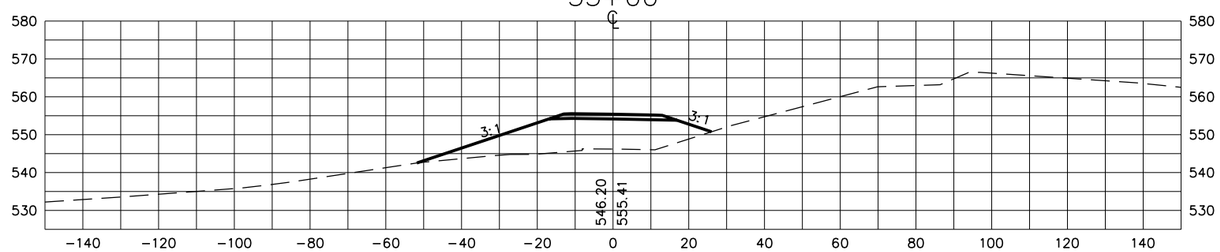
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	524
CONST	2014	36001-3290-14	

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

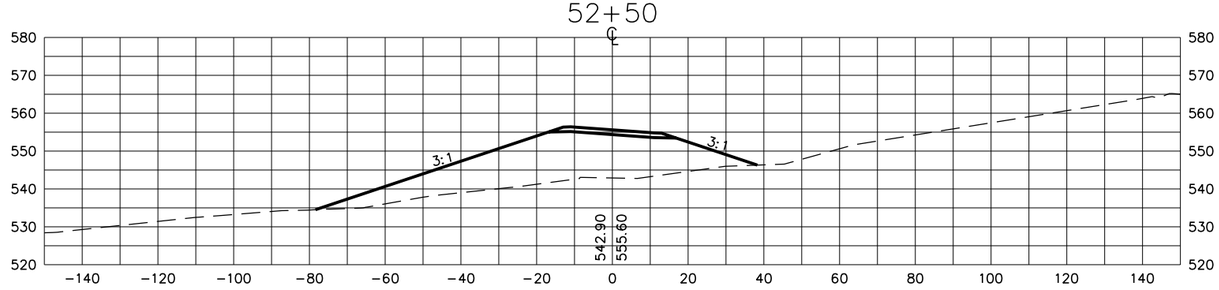
53+50



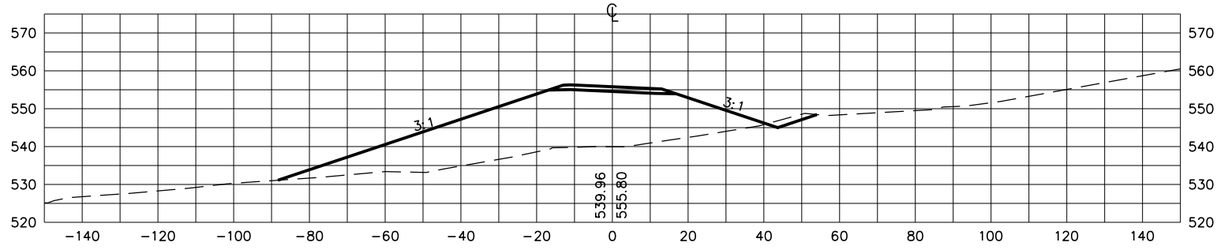
53+00



52+50



52+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

SHADY GROVE ROAD EAST

SCALE: 1" = 20'H, 20'V

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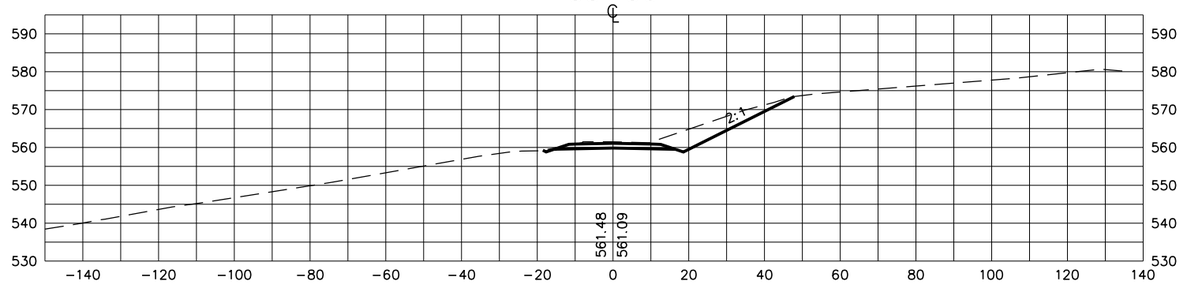
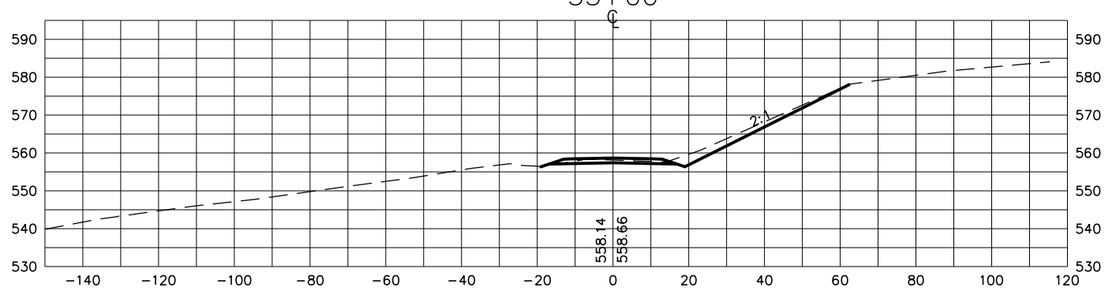
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	525
CONST	2014	36001-3290-14	

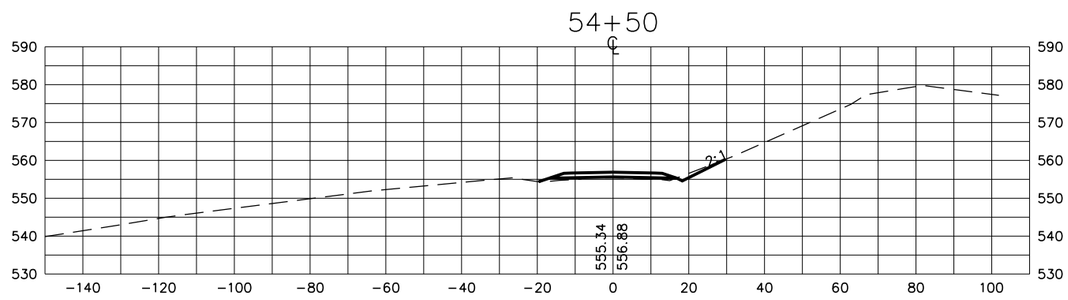
55+50



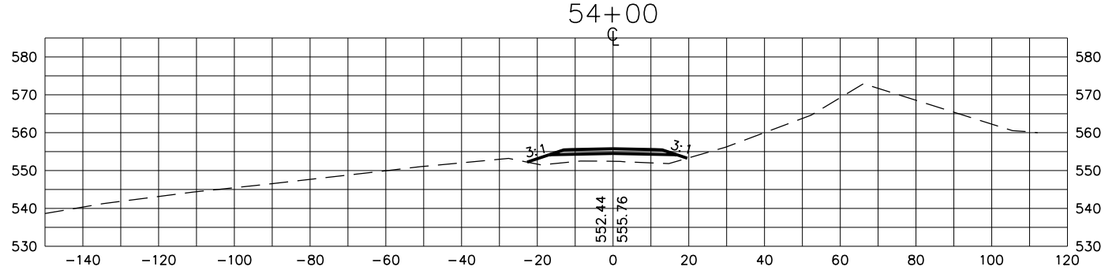
55+00



54+50



54+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

SHADY GROVE ROAD EAST

SCALE: 1" = 20'H, 20'V

3/20/2014
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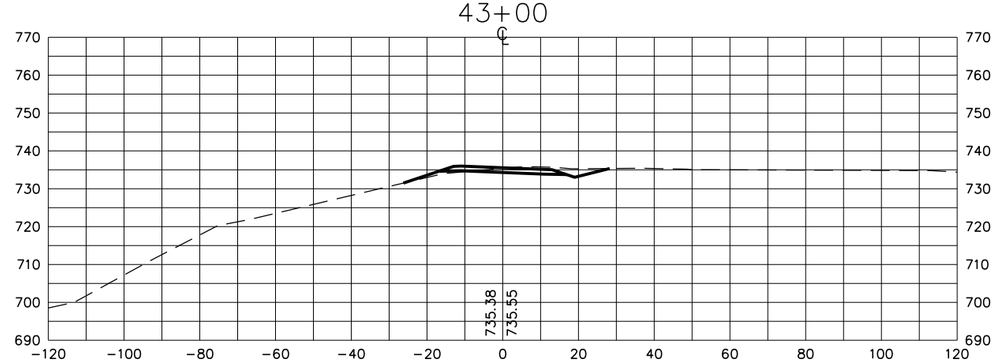
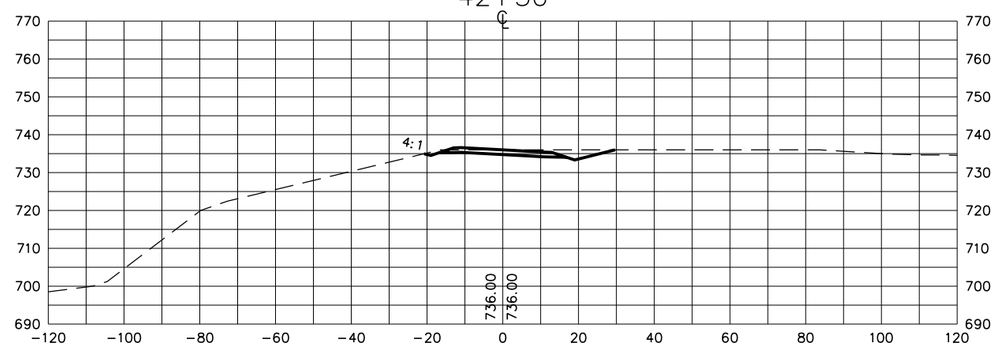
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	526
CONST	2014	36001-3290-14	

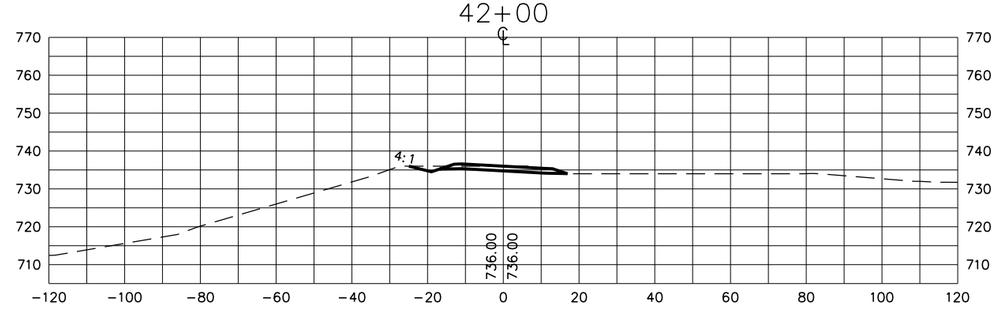
43+00



42+50



42+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

CERRO GORDO ROAD

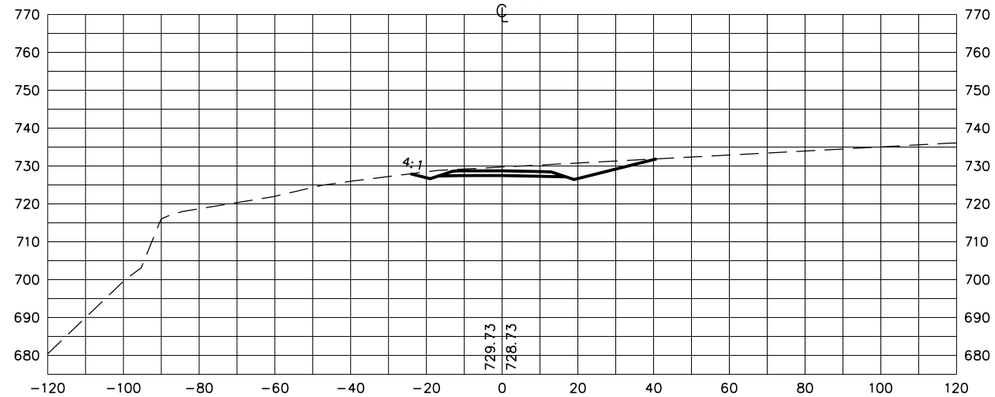
SCALE: 1" = 20'H, 20'V

8/20/2014
C:\BEYONDSITES ENGINEERING\2011\11005BEJ-Parker1099\DESIGN\sideroad_xsxns.dgn

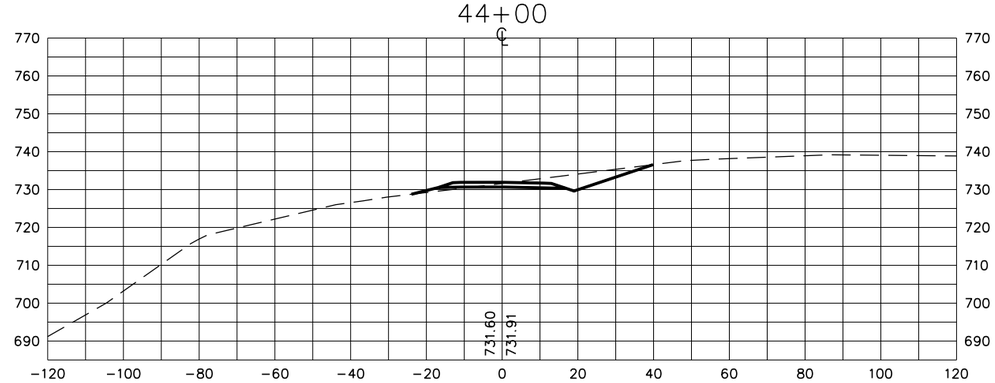
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	527
CONST	2014	36001-3290-14	

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

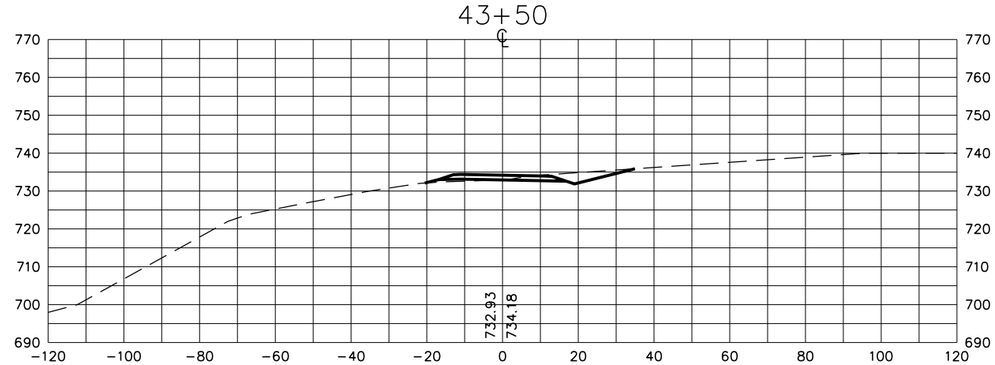
44+50



44+00



43+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

CERRO GORDO ROAD

SCALE: 1" = 20'H, 20'V

8/20/2014
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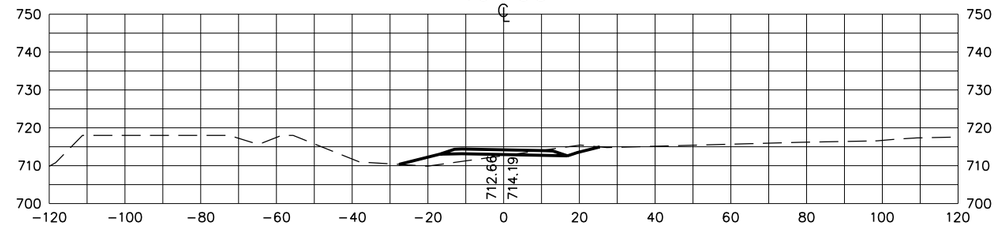
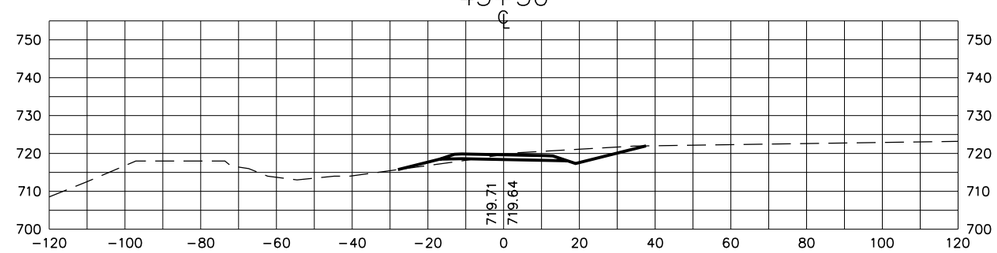
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	528
CONST	2014	36001-3290-14	

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

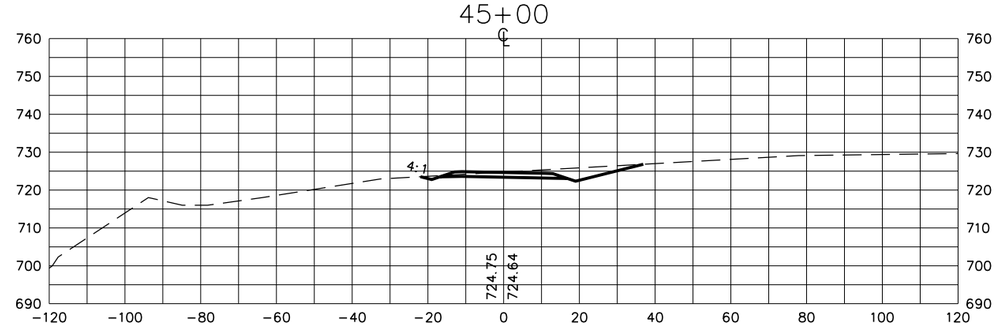
46+00



45+50



45+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

CERRO GORDO ROAD

SCALE: 1" = 20'H, 20'V

8/20/2014
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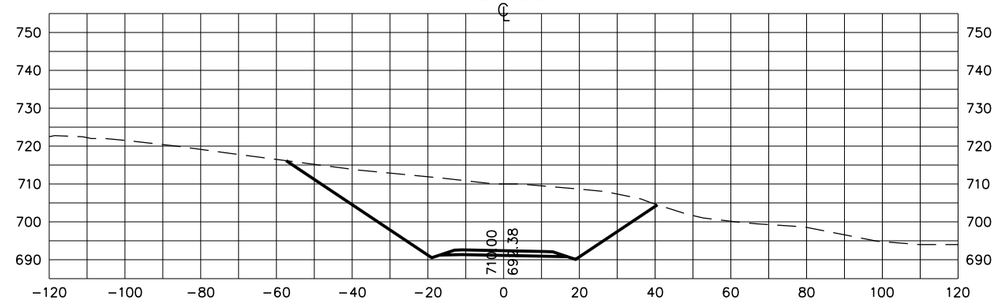
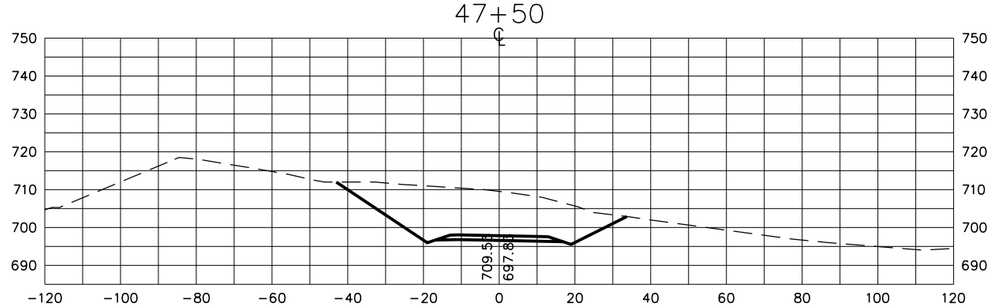
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	529
CONST	2014	36001-3290-14	

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

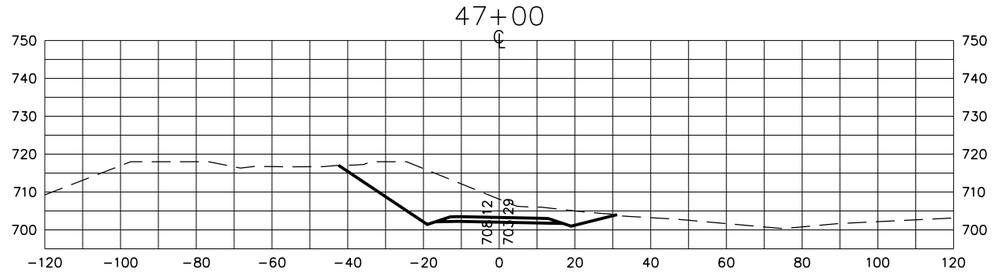
48+00



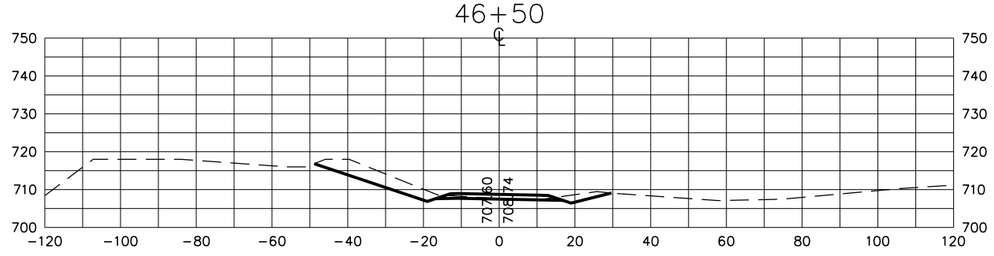
47+50



47+00



46+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

CERRO GORDO ROAD

SCALE: 1" = 20'H, 20'V

8/20/2014
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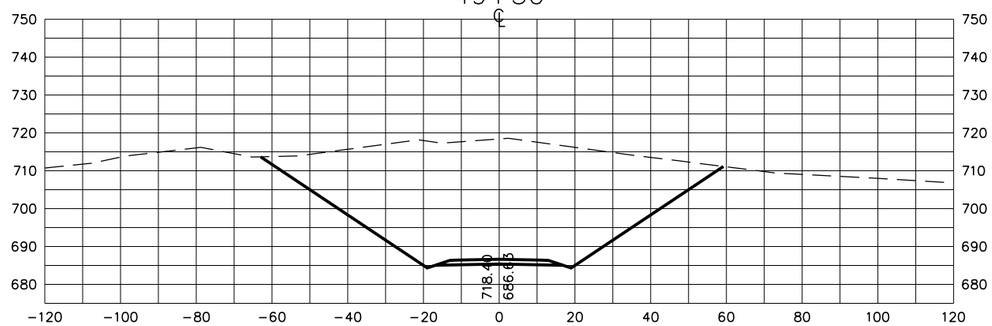
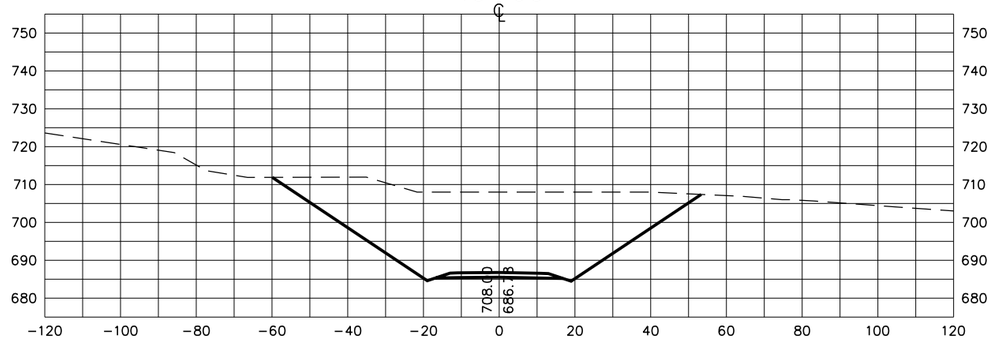
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	530
CONST	2014	36001-3290-14	

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

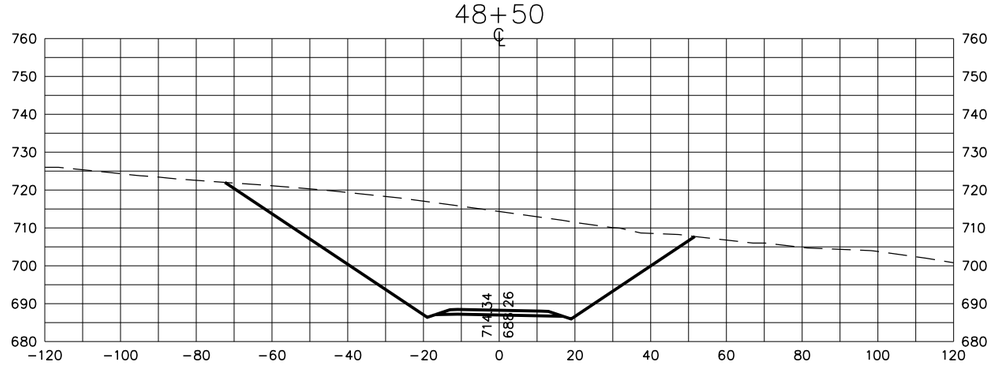
49+50



49+00



48+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

CERRO GORDO ROAD

SCALE: 1" = 20'H, 20'V

8/20/2014
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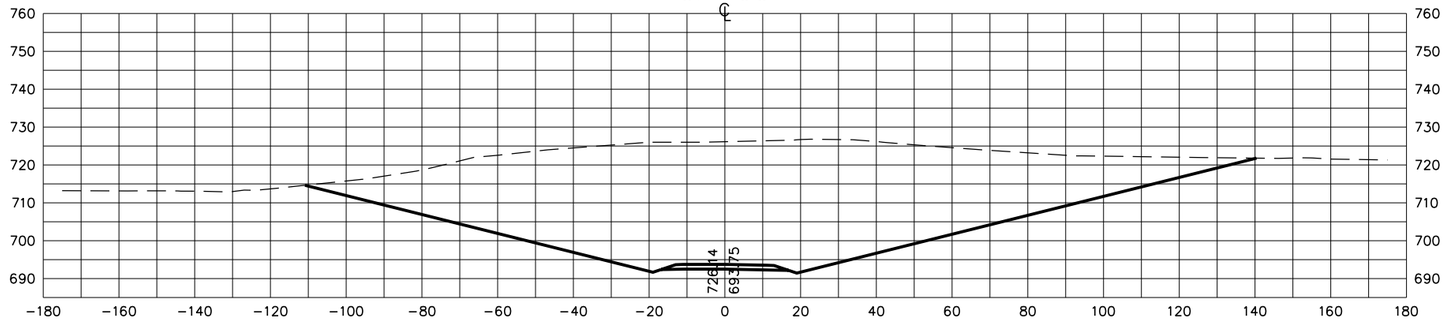
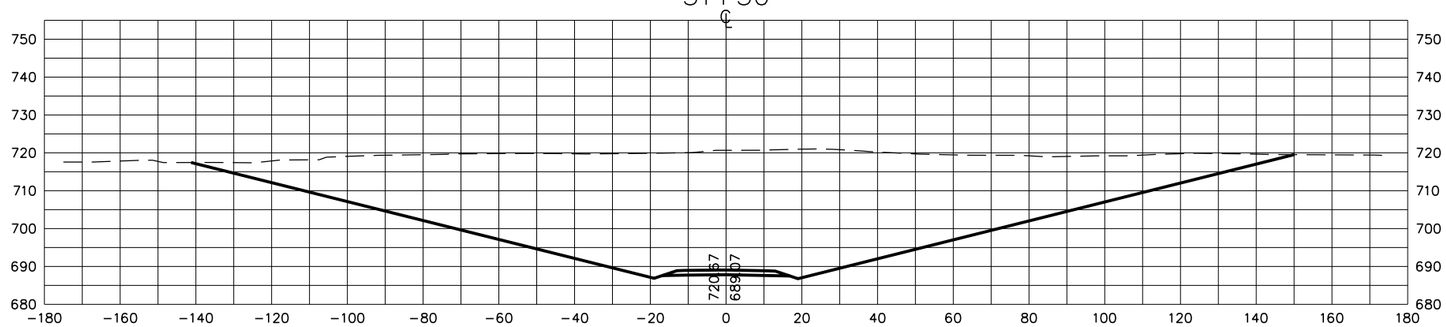
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	531
CONST	2014	36001-3290-14	

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

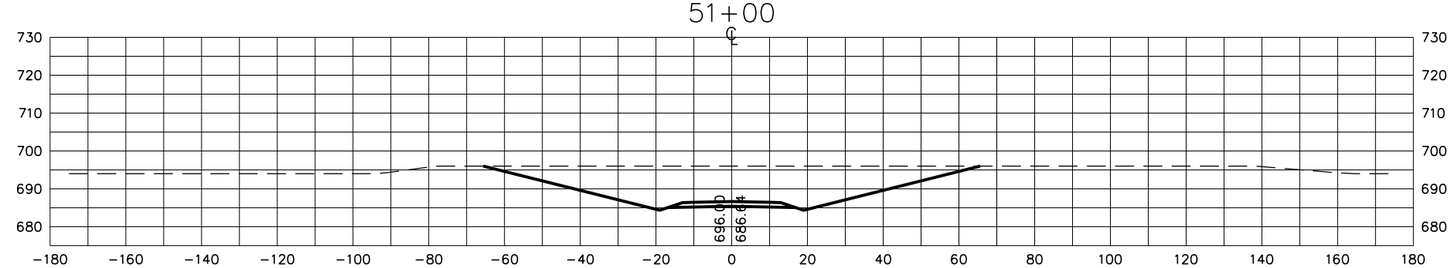
52+00 ℄



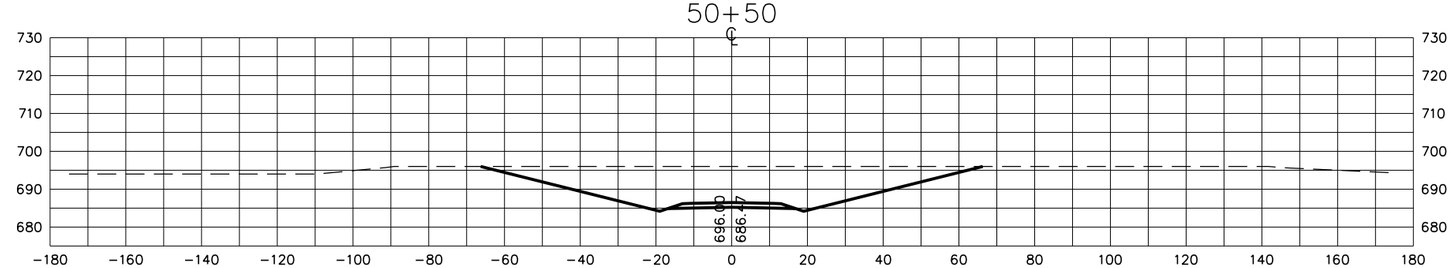
51+50 ℄



51+00 ℄



50+50 ℄



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

COY HILL ROAD

SCALE: 1" = 20'H, 20'V

3/20/2014
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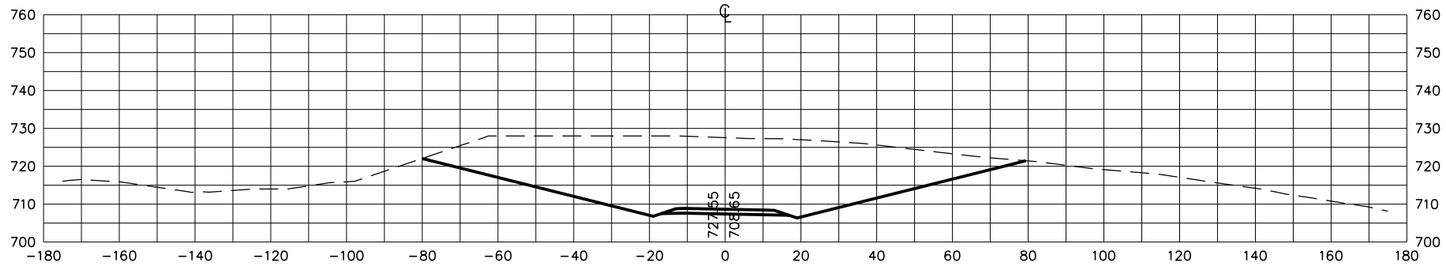
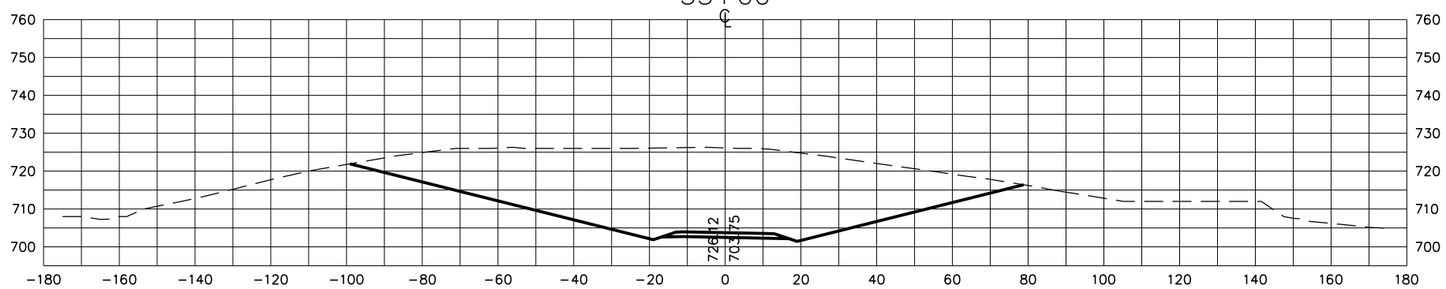
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	532
CONST	2014	36001-3290-14	

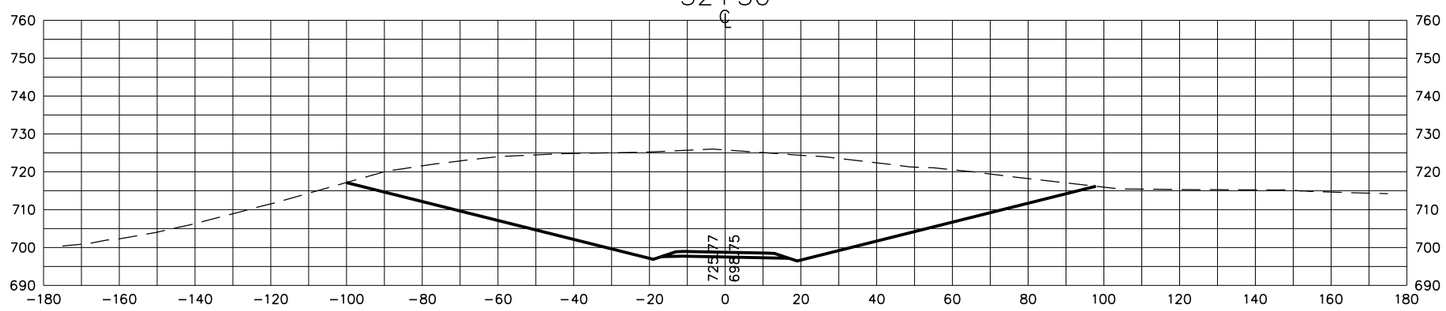
53+50



53+00



52+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

COY HILL ROAD

SCALE: 1" = 20'H, 20'V

3/20/2014
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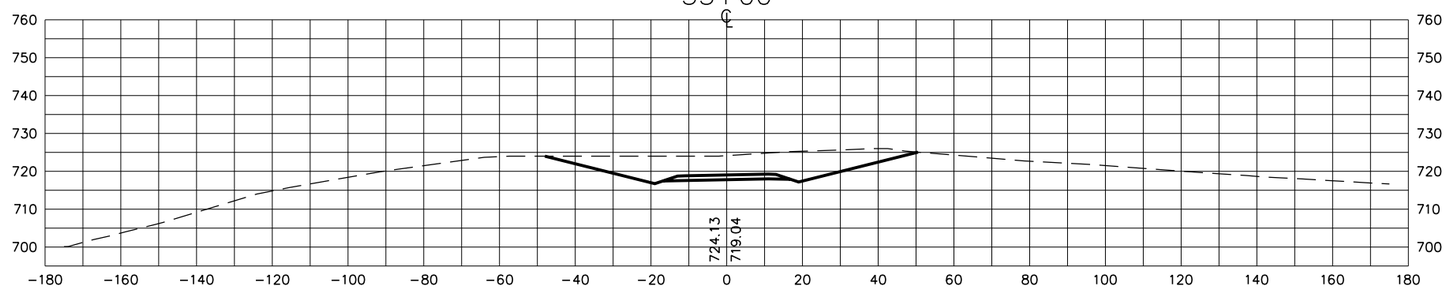
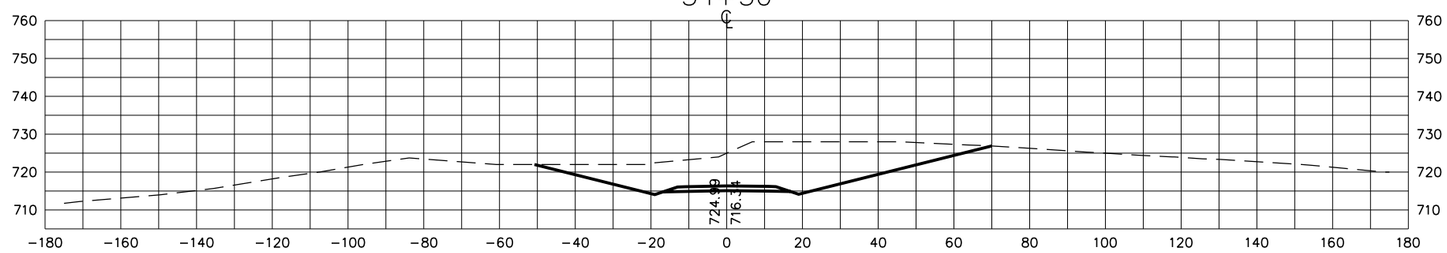
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	533
CONST	2014	36001-3290-14	

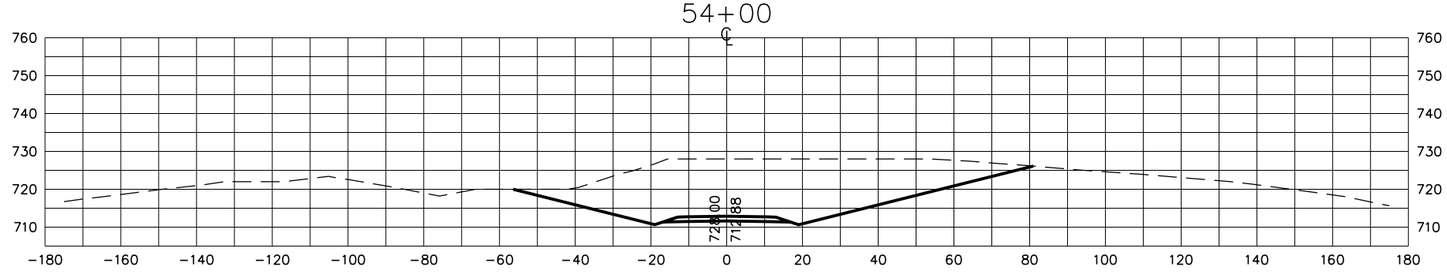
55+00



54+50



54+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

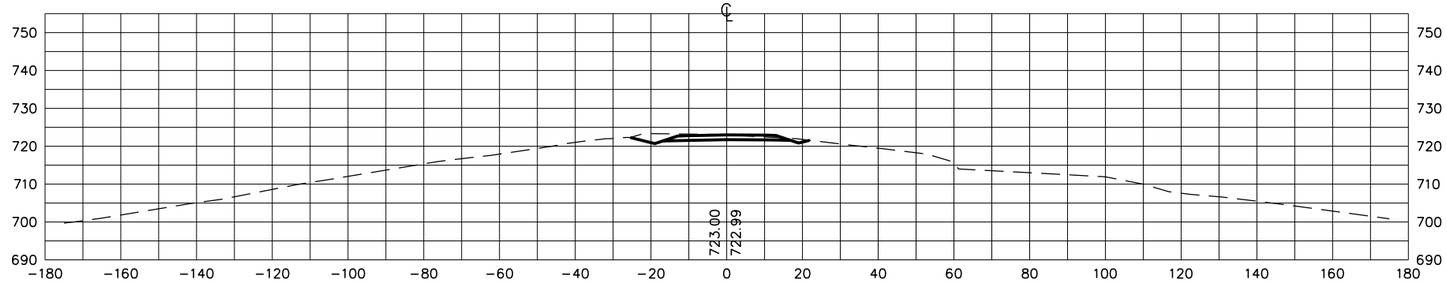
COY HILL ROAD

3/20/2014
C:\BEYONDSITES ENGINEERING\2011\1005BEJ-Parker1099\DESIGN\siderood_xsxns.dgn

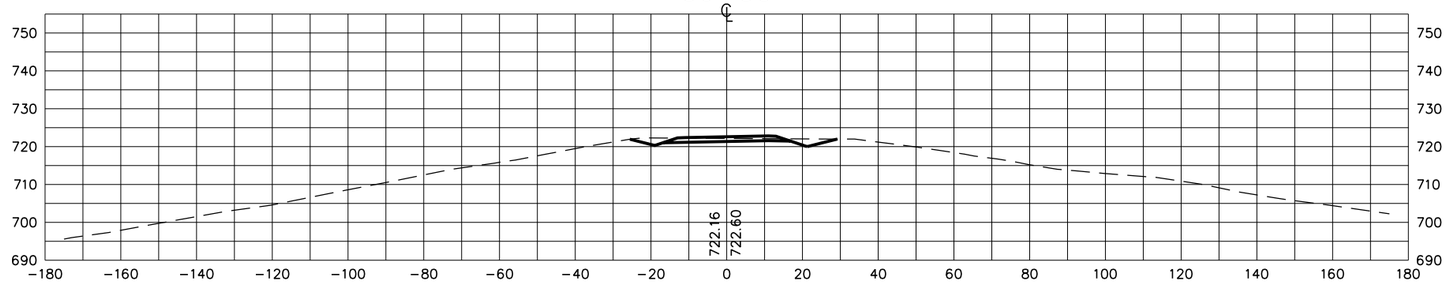
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	534
CONST	2014	36001-3290-14	

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

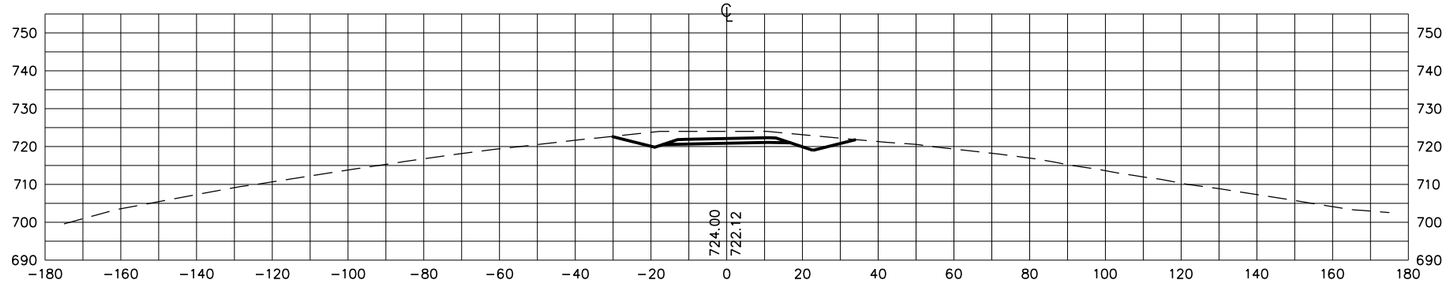
57+00



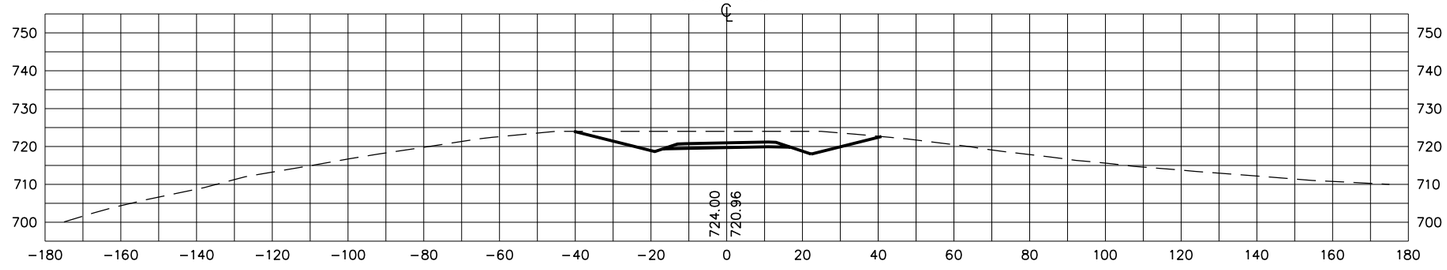
56+50



56+00



55+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

COY HILL ROAD

SCALE: 1" = 20'H, 20'V

8/20/2014
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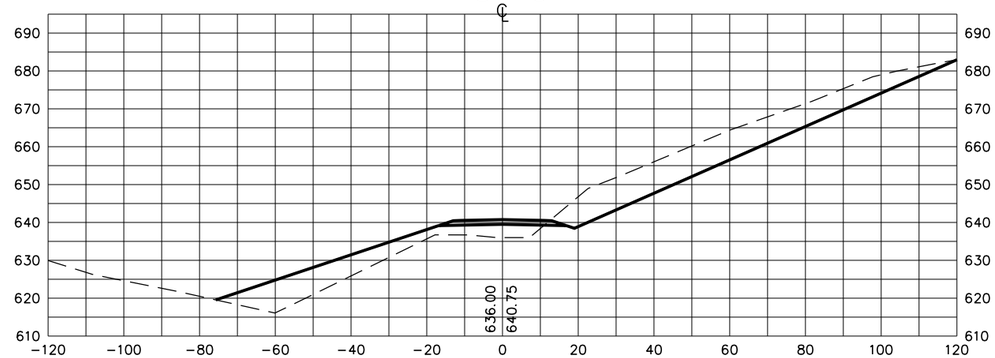
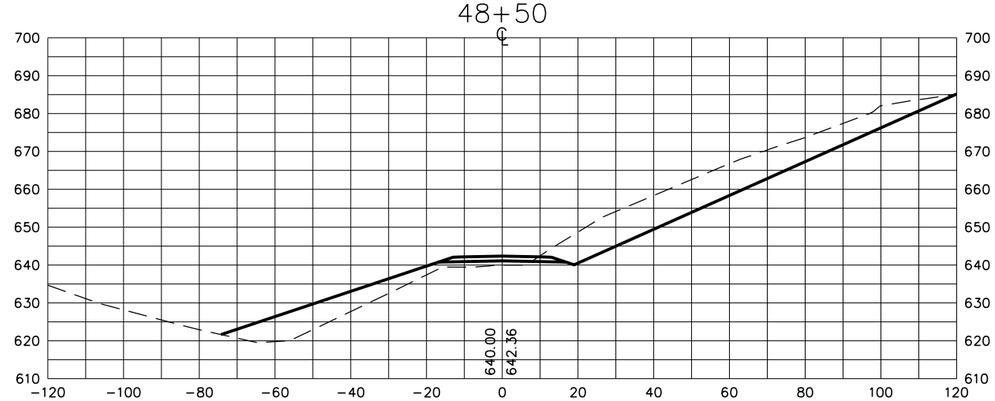
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	535
CONST	2014	36001-3290-14	

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

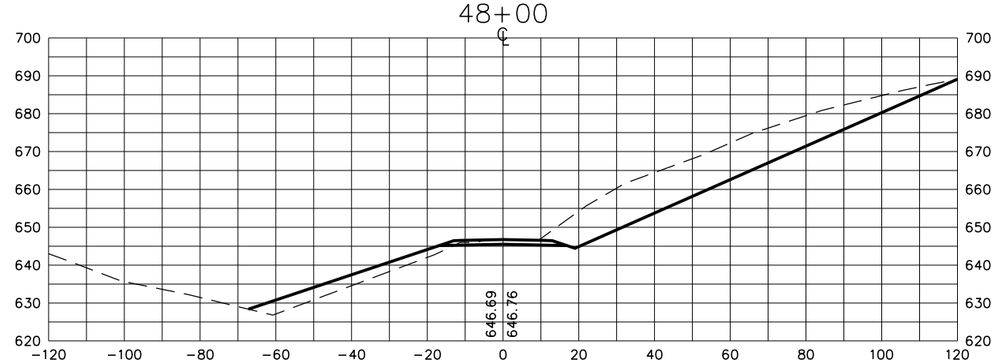
48+75
℄



48+50
℄



48+00
℄



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

MYSTIC SPRINGS ROAD

SCALE: 1" = 20'H, 20'V

3/20/2014
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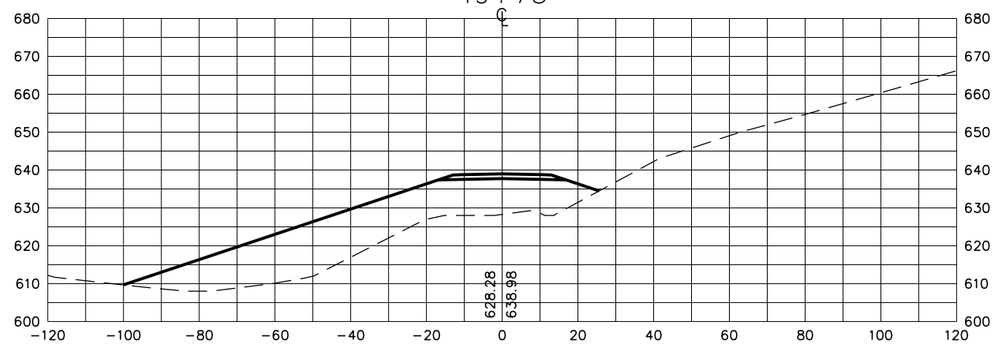
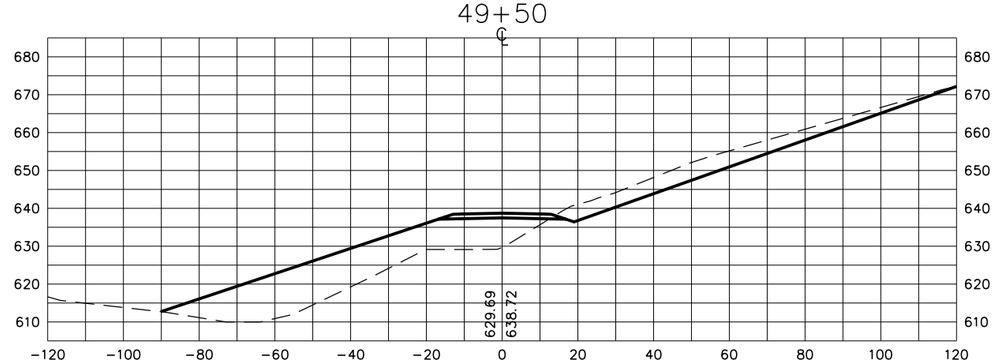
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	536
CONST	2014	36001-3290-14	

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

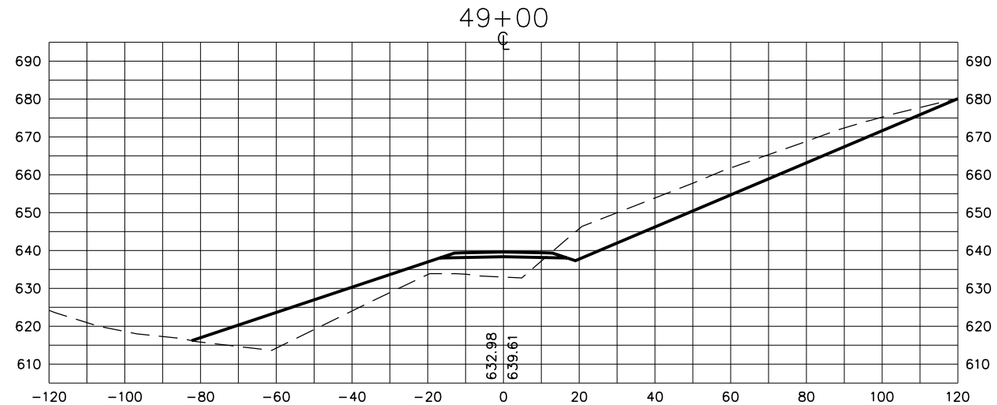
49+75



49+50



49+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

MYSTIC SPRINGS ROAD

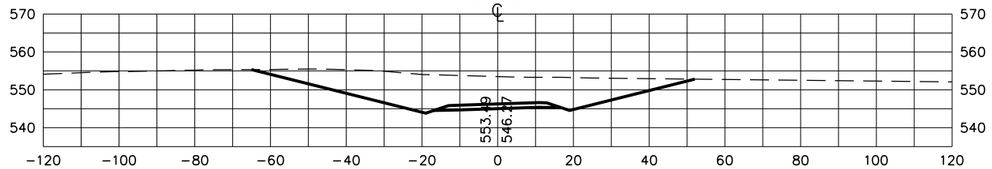
SCALE: 1" = 20'H, 20'V

3/20/2014
C:\BEYONDSITES ENGINEERING\20II\II005BEJ-Parker1099\DESIGN\slderoad_xsxns.dgn

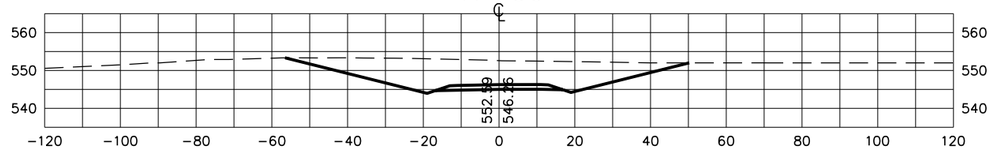
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	537
CONST	2014	36001-3290-14	

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

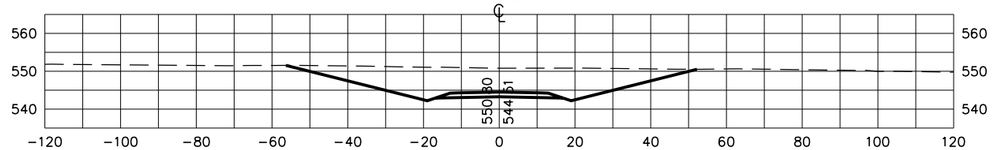
48+00



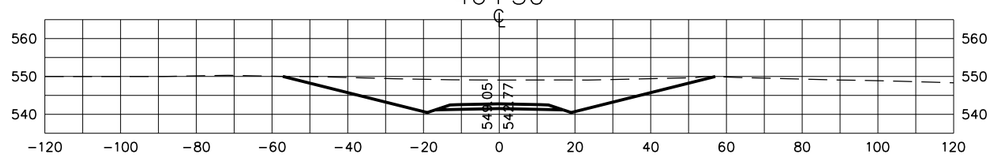
47+50



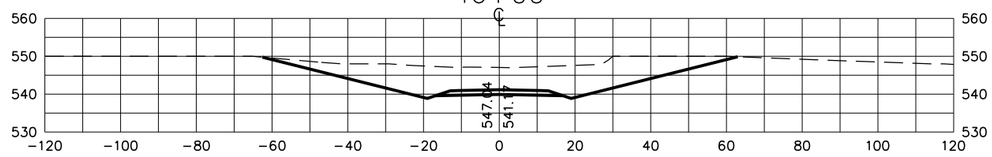
47+00



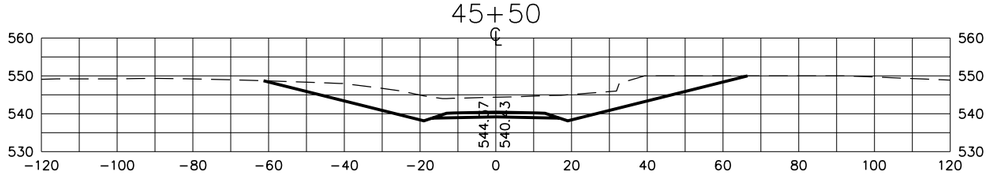
46+50



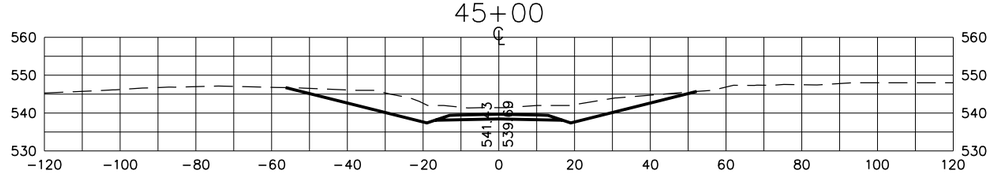
46+00



45+50



45+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

BAPTIST LOOP ROAD

SCALE: 1" = 20'H, 20'V

8/20/2014
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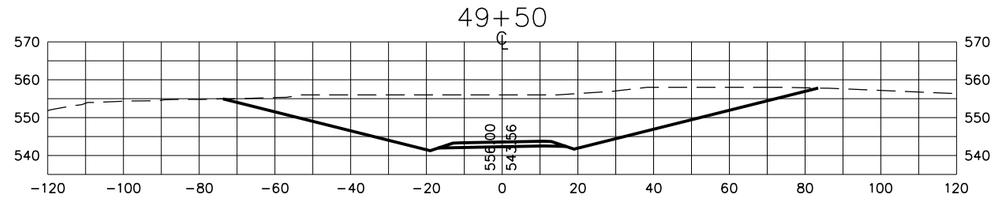
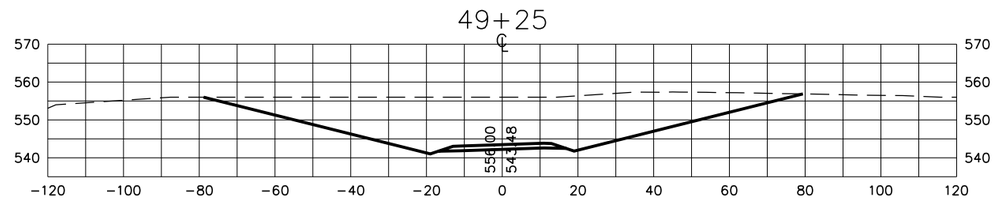
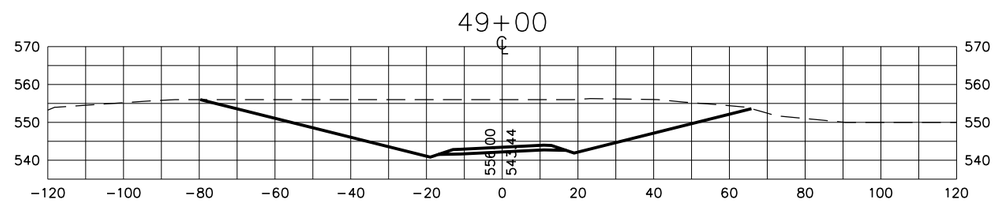
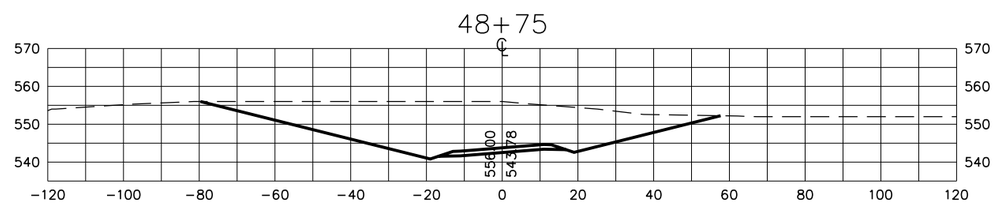
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	538
CONST	2014	36001-3290-14	

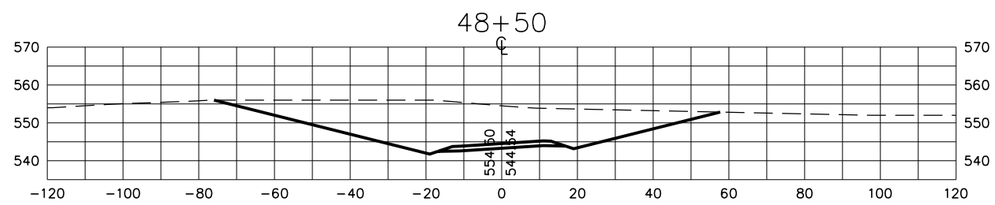
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

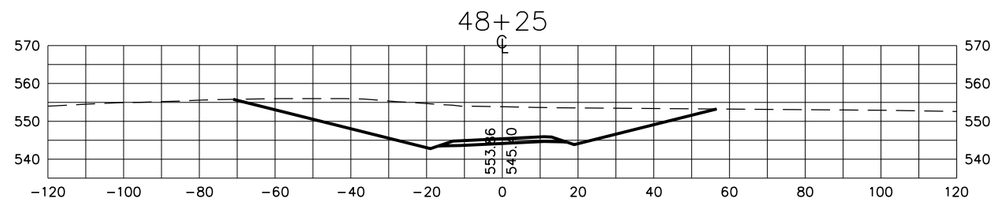












STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

BAPTIST LOOP ROAD

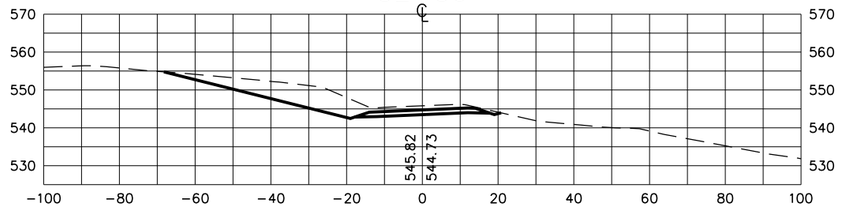
SCALE: 1" = 20'H, 20'V

8/20/2014
C:\BEYONDSITES ENGINEERING\2011\11005BEJ-Parker1099\DESIGN\sideroad_xsxns.dgn

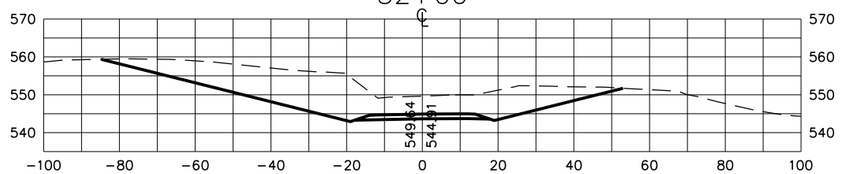
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	539
CONST	2014	36001-3290-14	

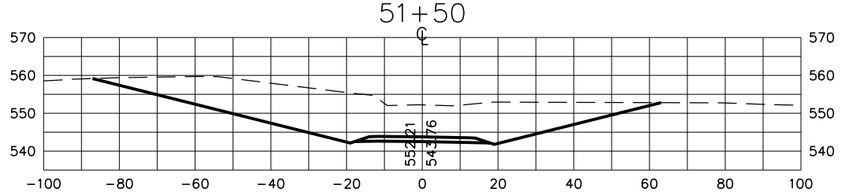
52+50



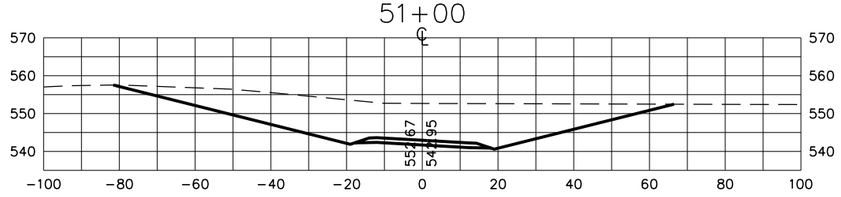
52+00



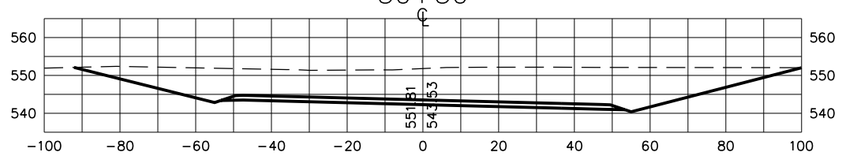
51+50



51+00



50+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

JOWERS ROAD

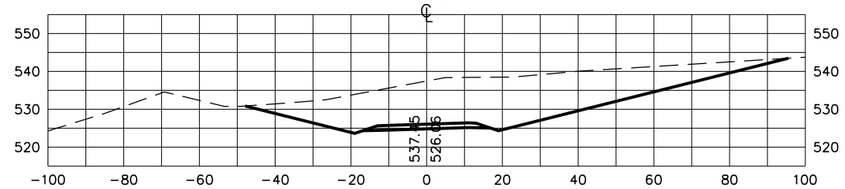
SCALE: 1" = 20'H, 20'V

3/20/2014
C:\BEYONDSITES ENGINEERING\2011\11005BEJ-Parker1099\DESIGN\sideroad_xsxns.dgn

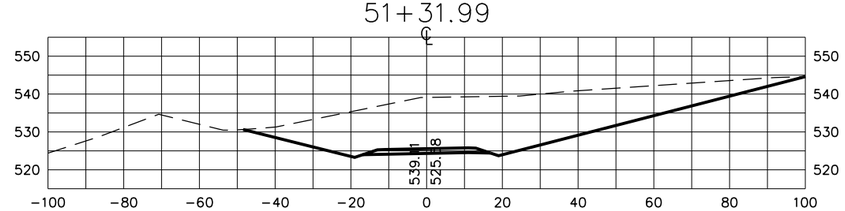
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	540
CONST	2014	36001-3290-14	

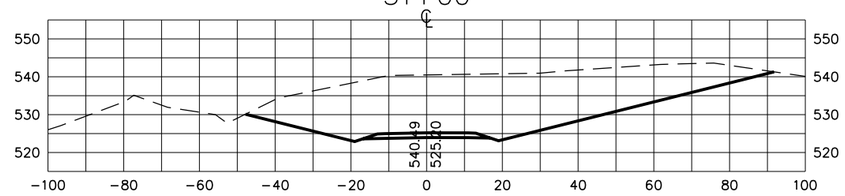
51+50



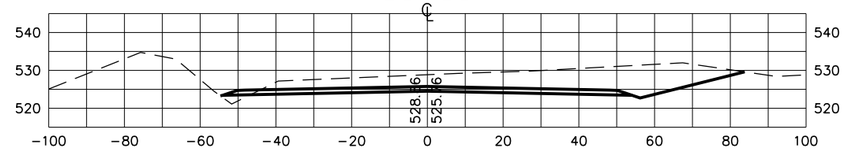
51+31.99



51+00



50+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

OLD SCHOOL HOUSE ROAD

SCALE: 1" = 20'H, 20'V

3/20/2014
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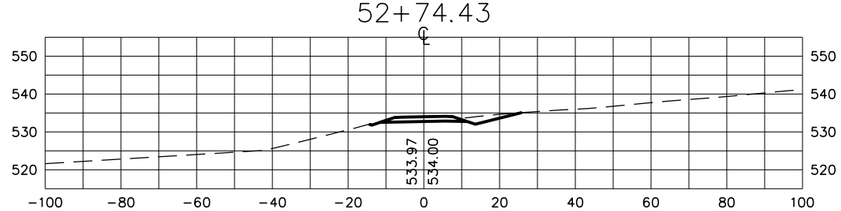
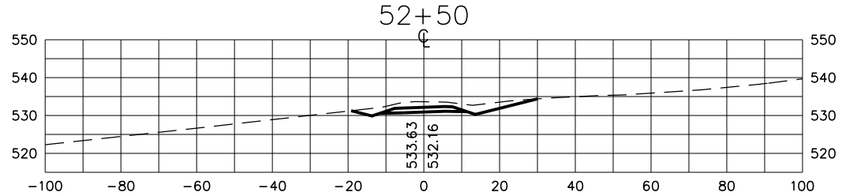
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	541
CONST	2014	36001-3290-14	

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

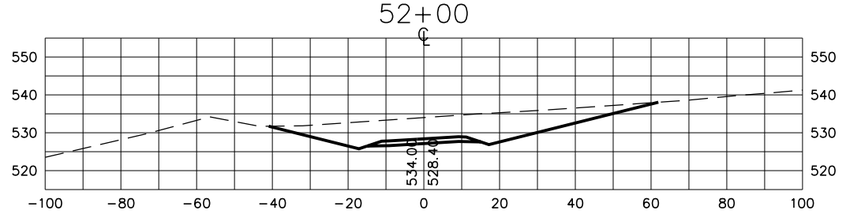
52+74.43



52+50



52+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

OLD SCHOOL HOUSE ROAD

SCALE: 1" = 20'H, 20'V

8/20/2014
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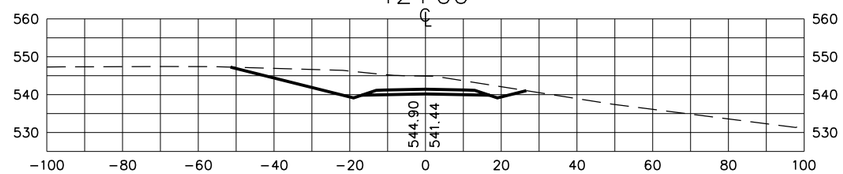
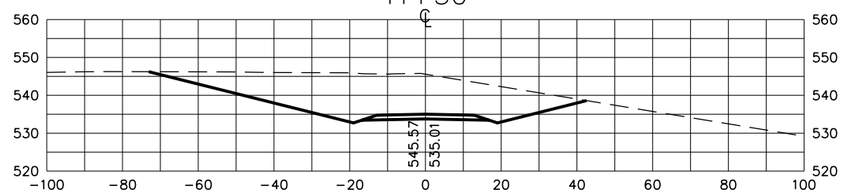
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	542
CONST	2014	36001-3290-14	

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

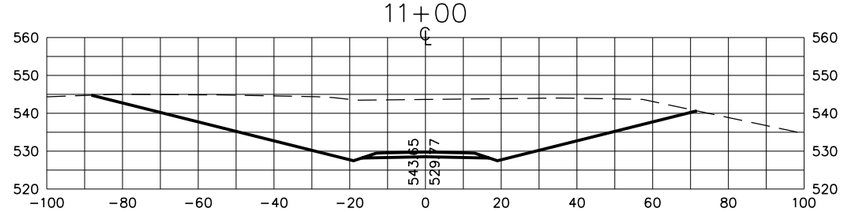
12+00



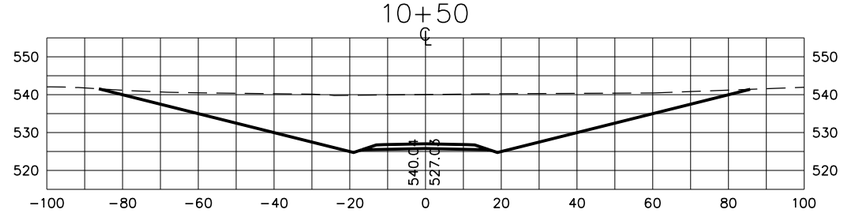
11+50



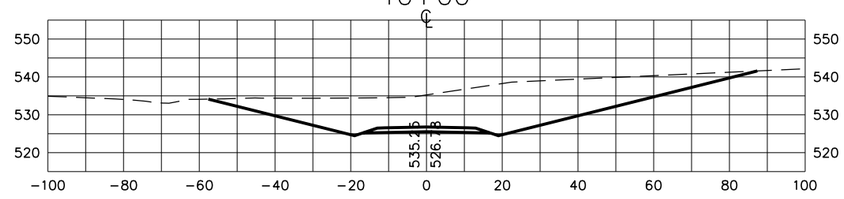
11+00



10+50



10+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

SCHOOL HOUSE ACCESS ROAD

SCALE: 1" = 20'H, 20'V

8/20/2014
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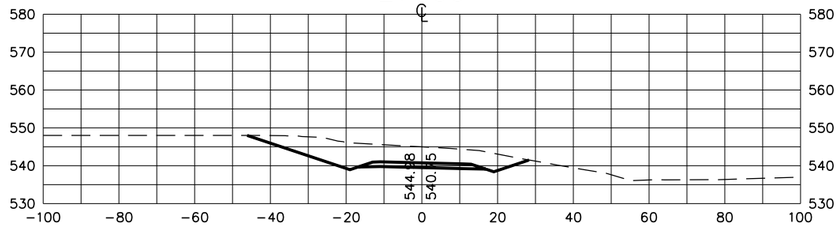
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	543
CONST	2014	36001-3290-14	

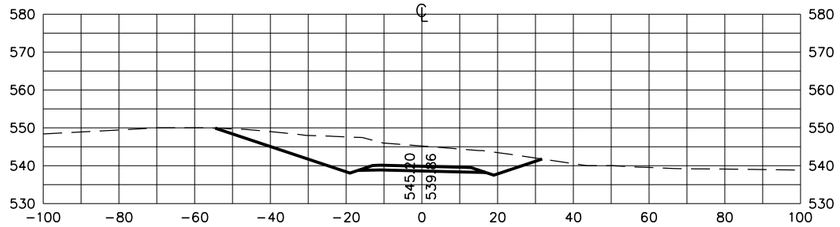
REV. 5-31-11

ADDED SHEET

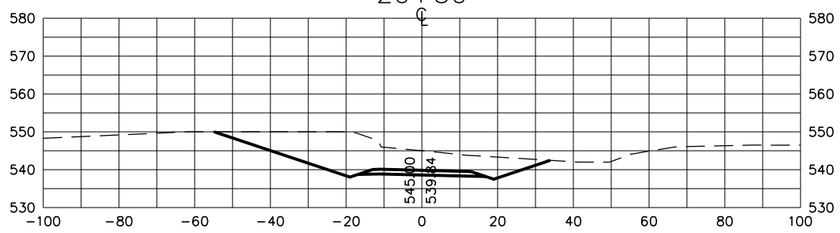
21+50



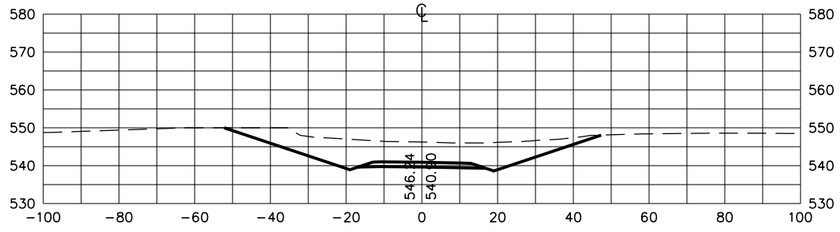
21+00



20+50



20+00



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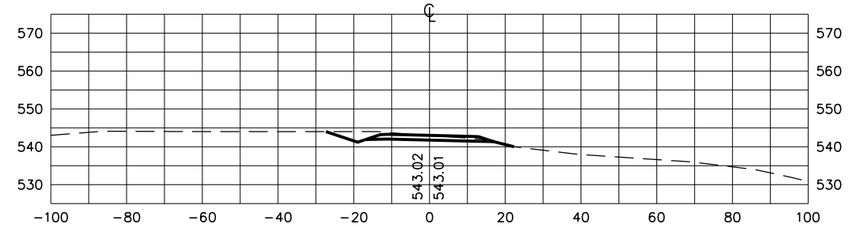
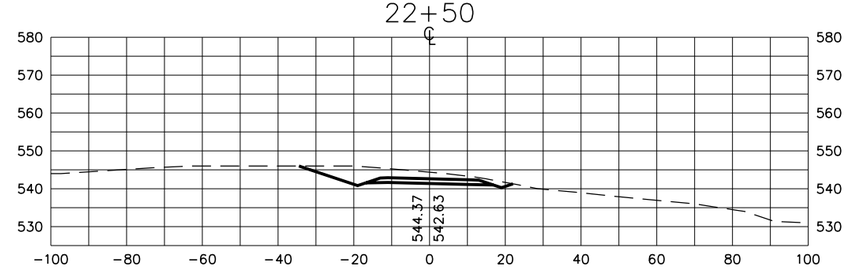
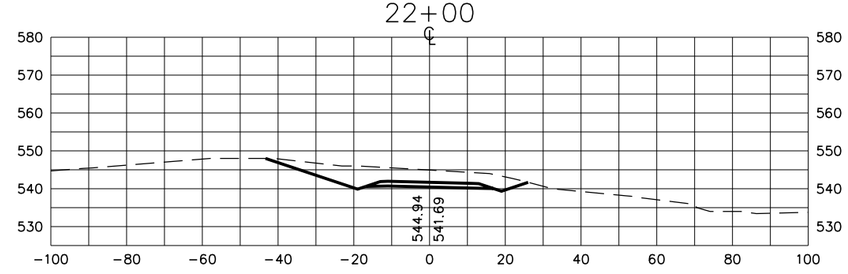


22+50



22+00



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

LOW WATER BRIDGE ROAD

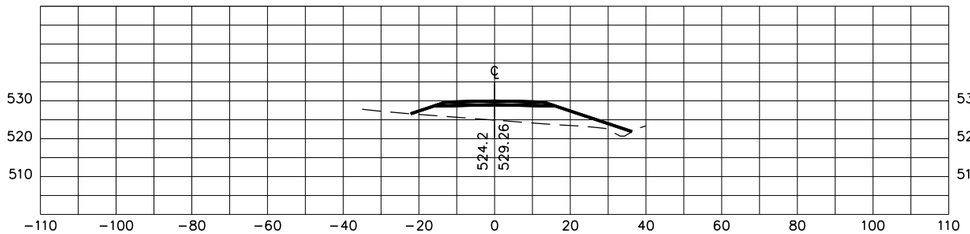
SCALE: 1" = 20'H, 20'V

8/20/2014
C:\BEYONDSITES ENGINEERING\2011\1005BEJ-Parker1099\DESIGN\sideroad_xsxns.dgn

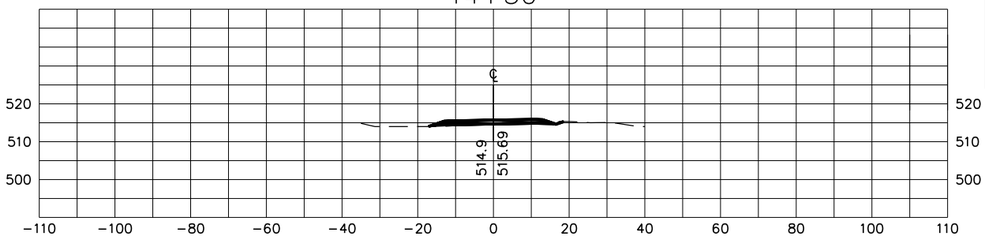
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	544
CONST	2014	36001-3290-14	

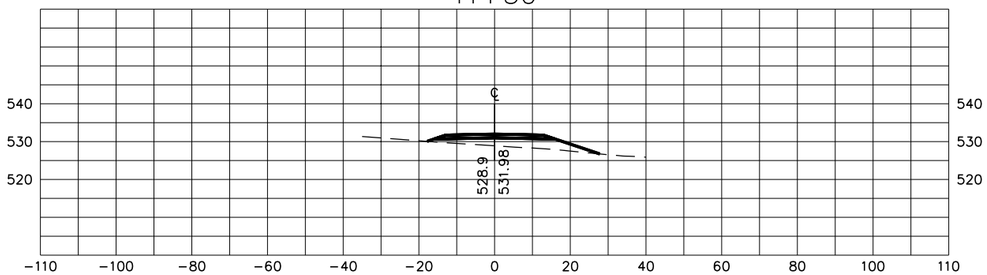
12+00



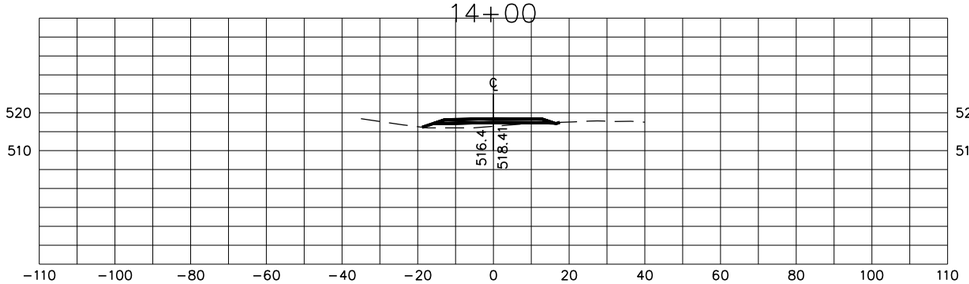
14+50



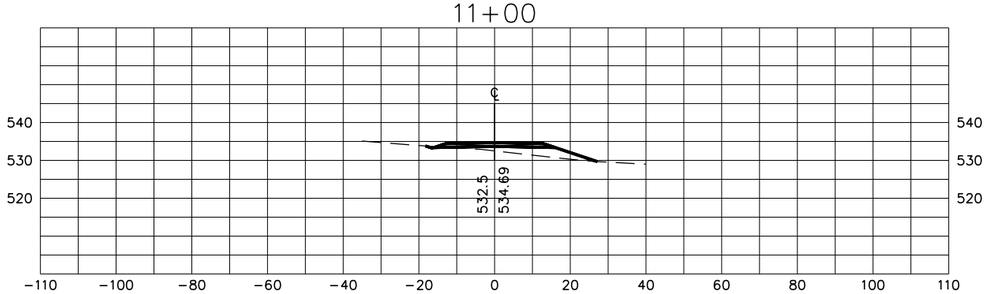
11+50



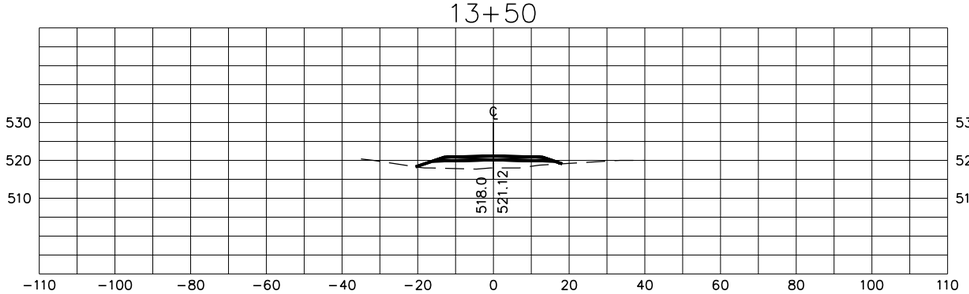
14+00



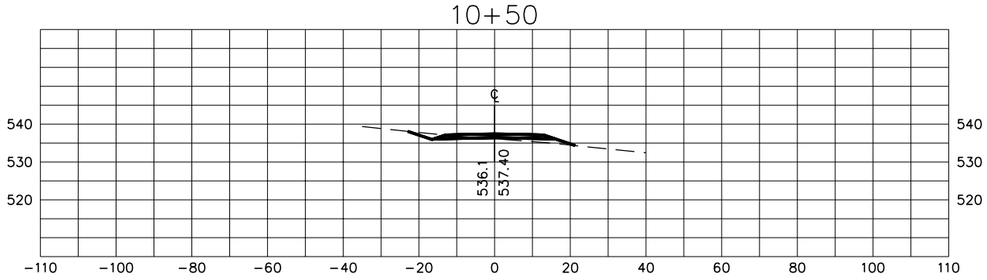
11+00



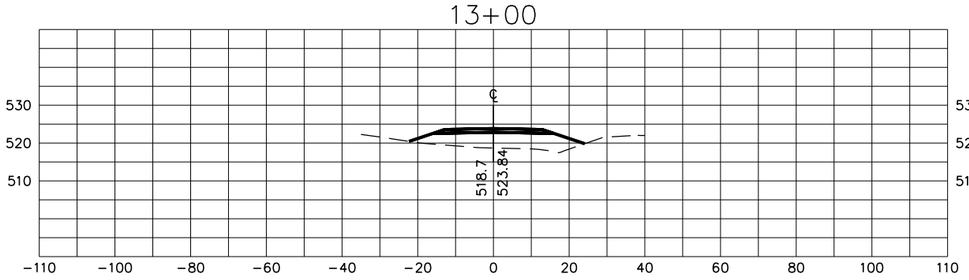
13+50



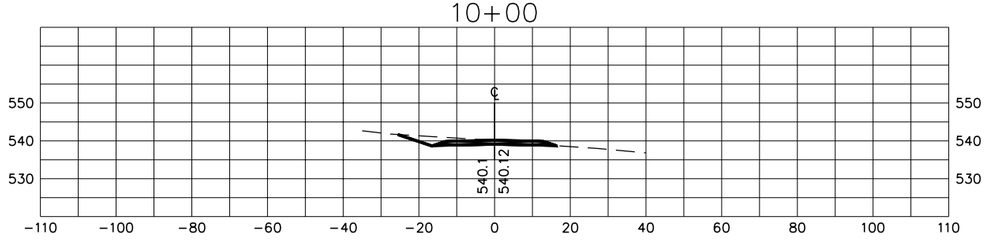
10+50



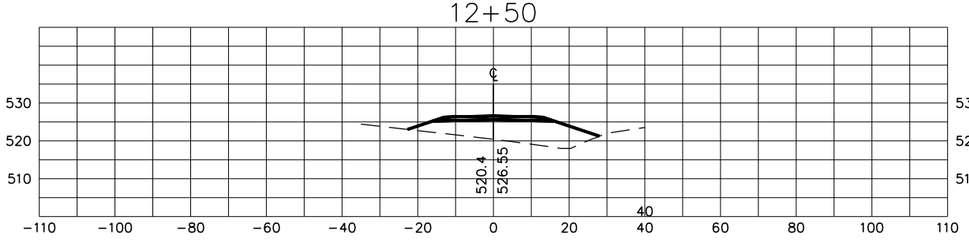
13+00



10+00



12+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

DETOUR ROAD

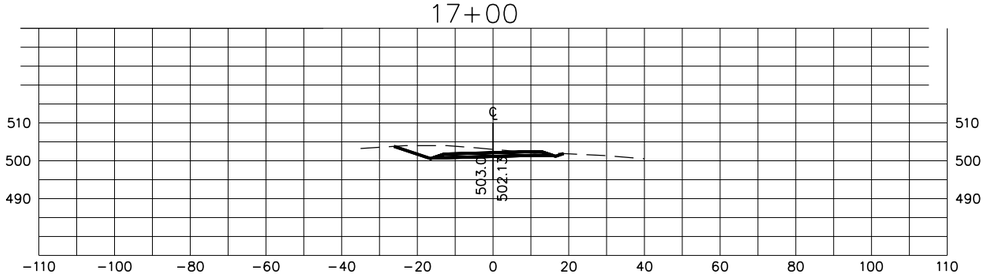
SCALE: 1" = 20'H, 20'V

8/20/2014
C:\BEYONDSITES ENGINEERING\2011\1005BEJ-Parker1099\DESIGN\detour road_xsxns.dgn

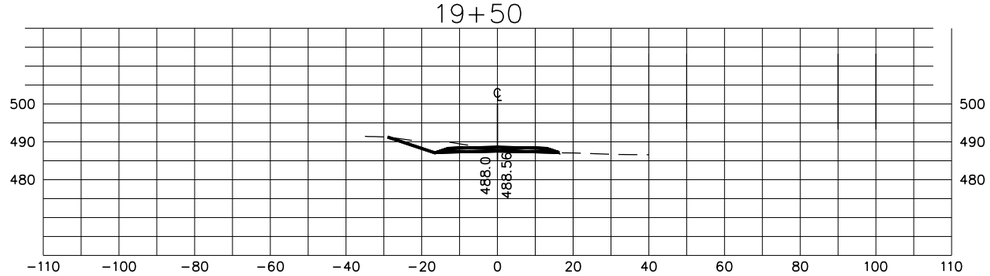
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	545
CONST	2014	36001-3290-14	

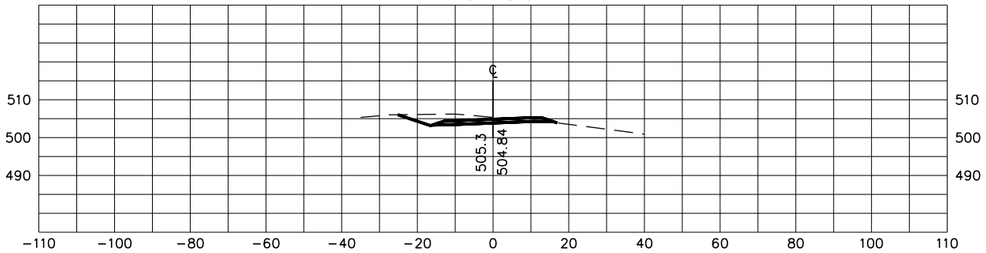
17+00



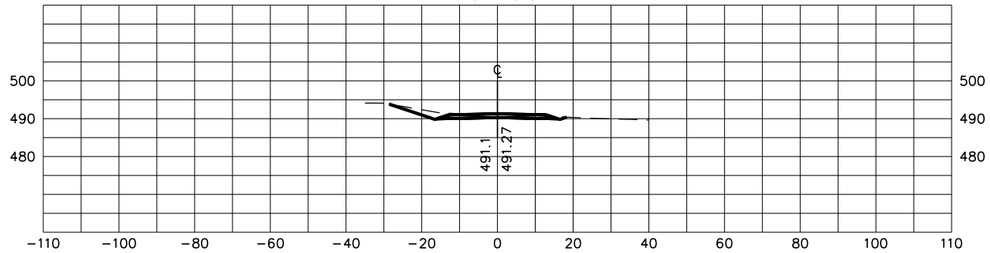
19+50



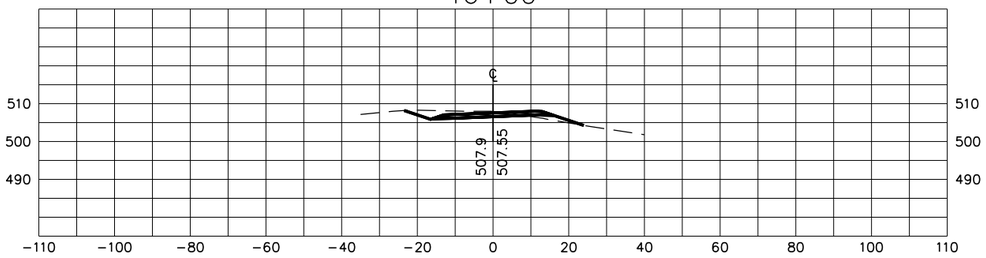
16+50



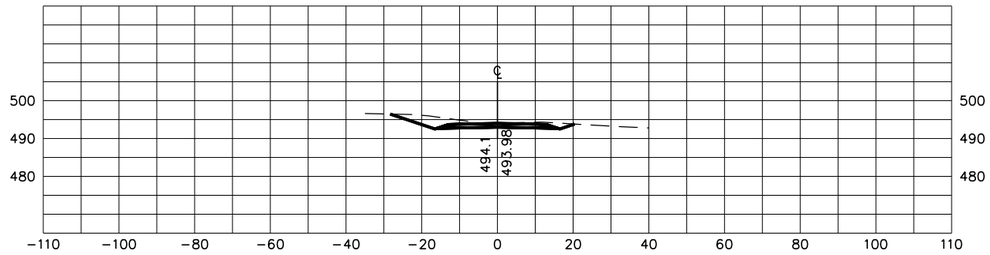
19+00



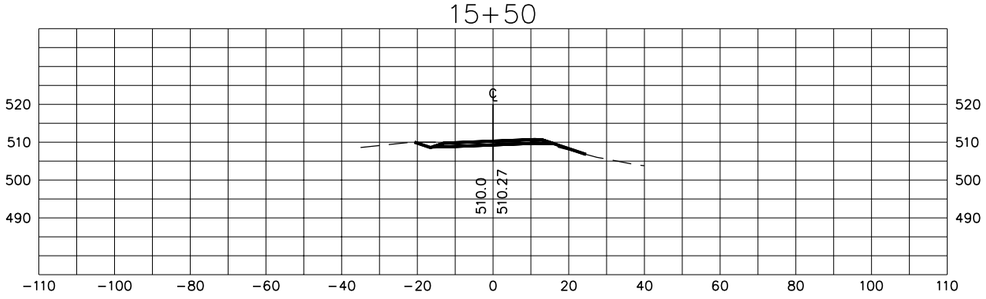
16+00



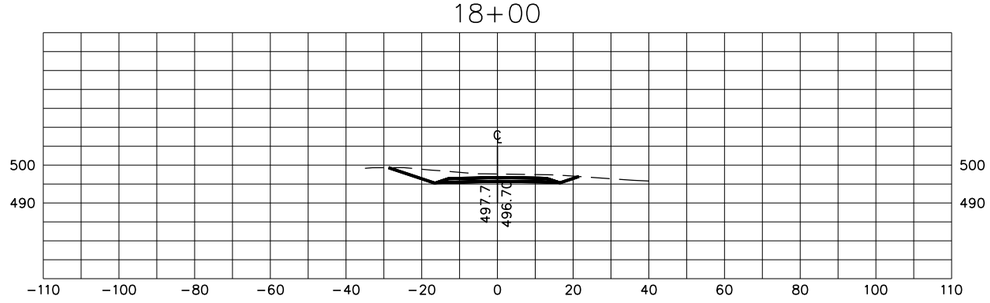
18+50



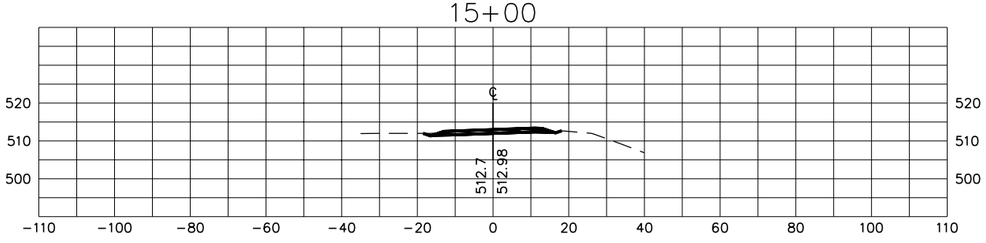
15+50



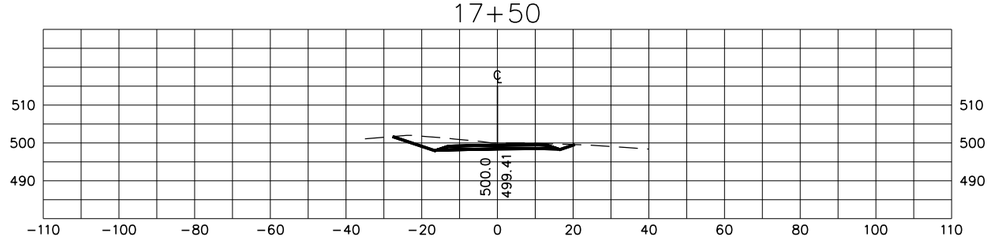
18+00



15+00



17+50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

DETOUR ROAD

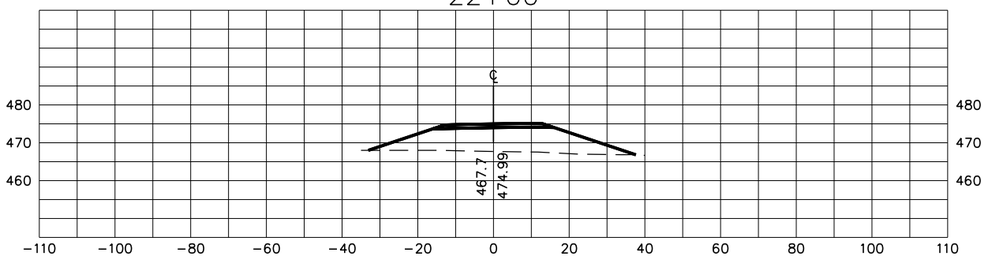
SCALE: 1" = 20'H, 20'V

8/20/2014
C:\BEYONDSITES ENGINEERING\2011\11005BEJ-Parker1099\DESIGN\detour road_xsxns.dgn

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	546
CONST	2014	36001-3290-14	

22+00



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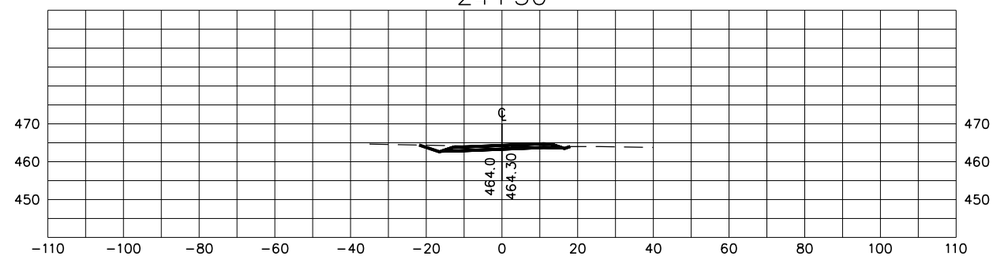

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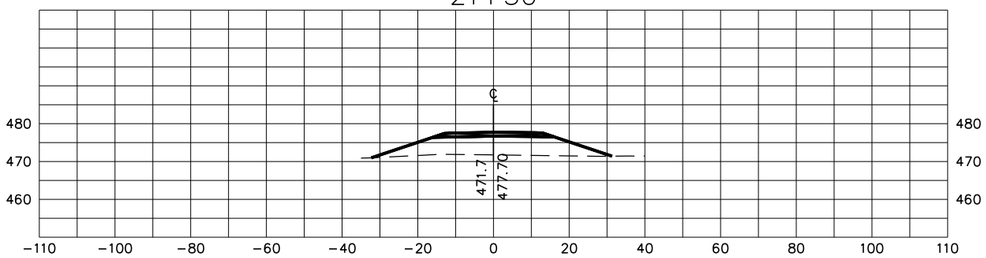

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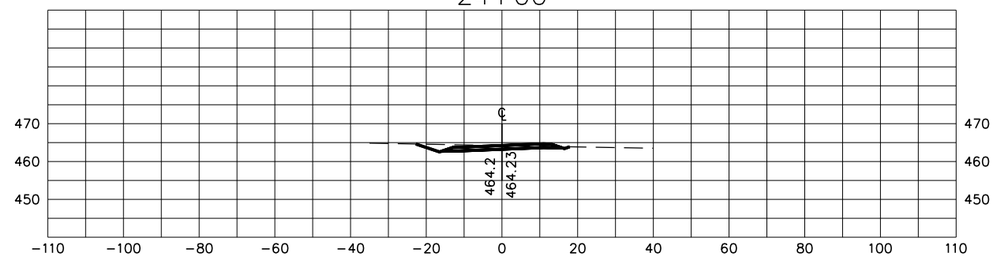

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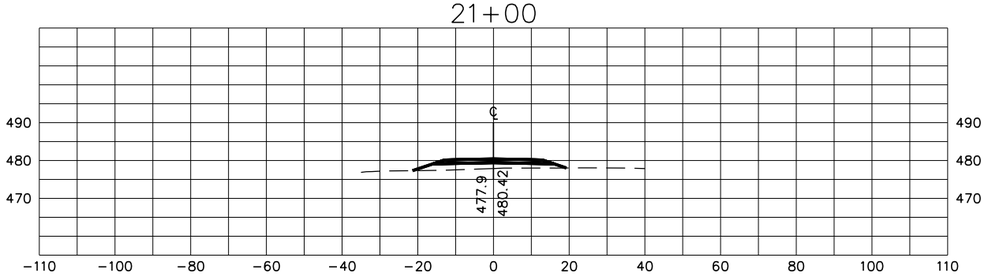

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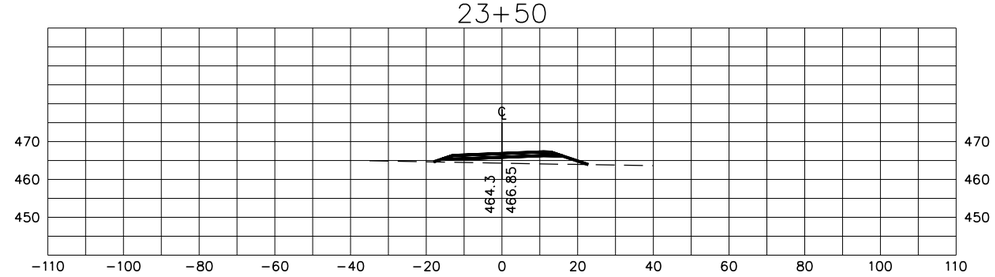

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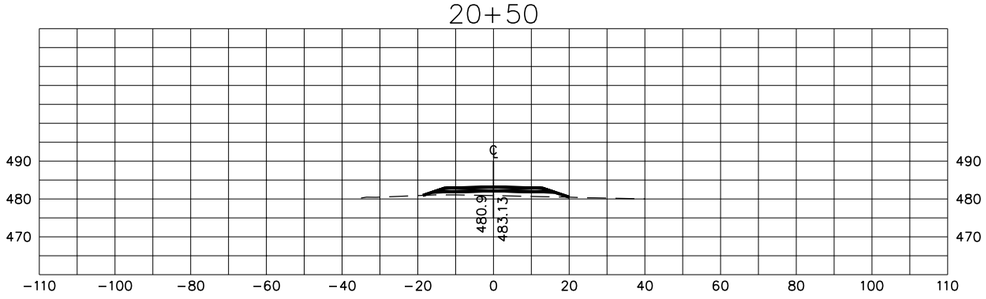

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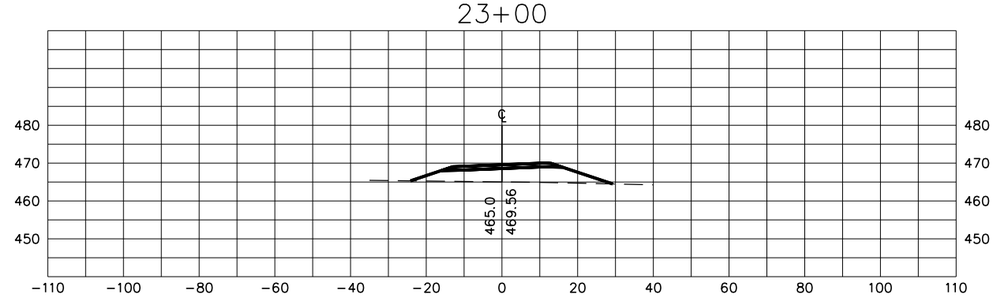

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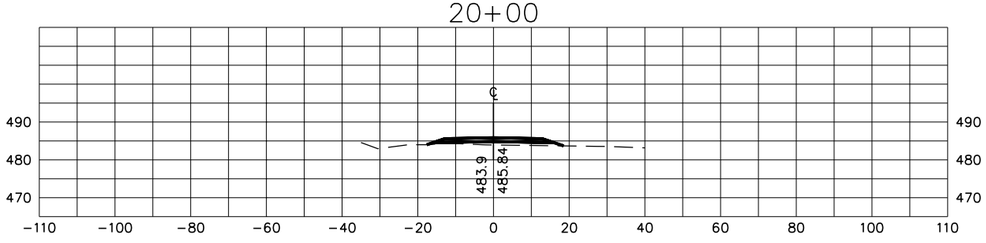

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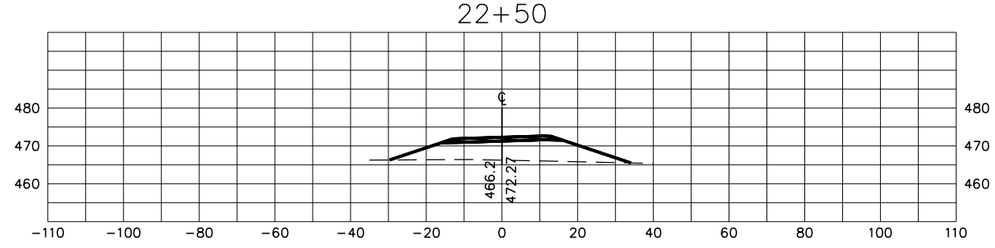

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

DETOUR ROAD

SCALE: 1" = 20'H, 20'V

8/20/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
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CONST	2014	36001-3290-14	

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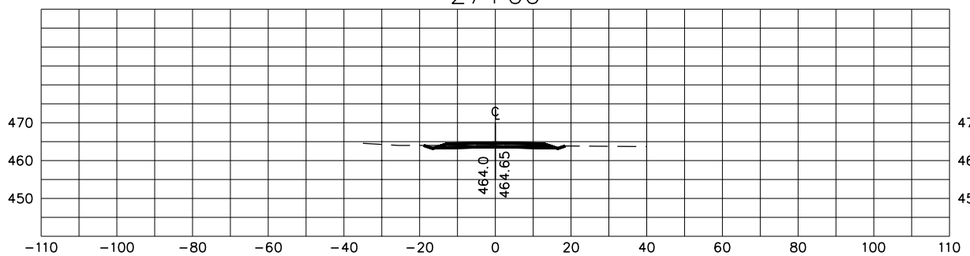

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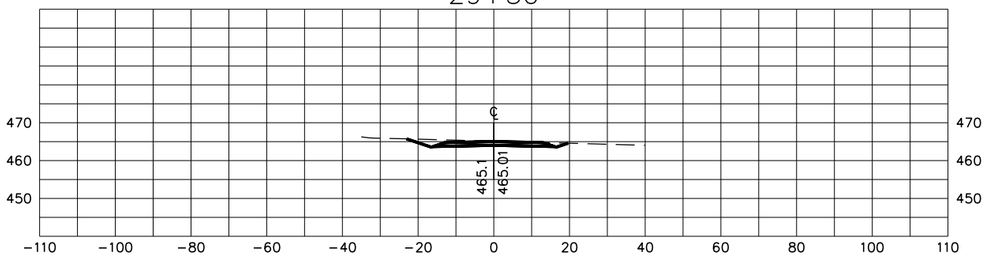

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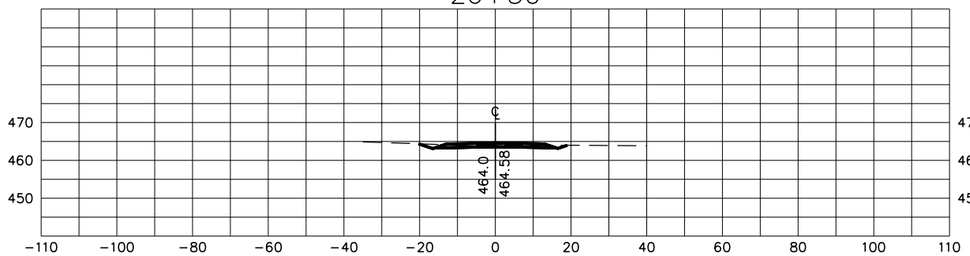

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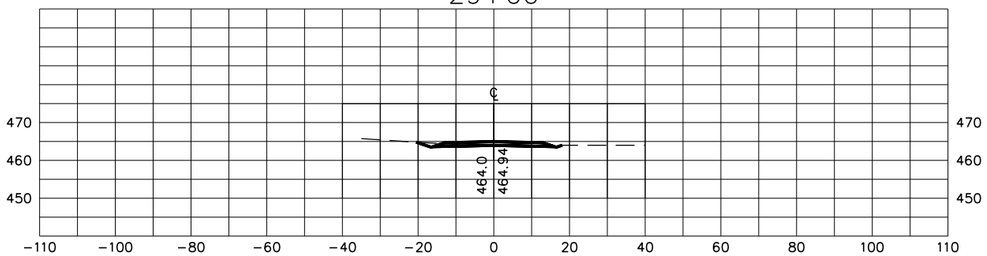

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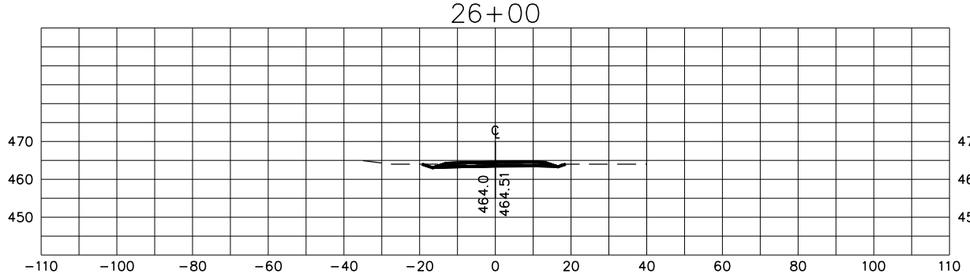

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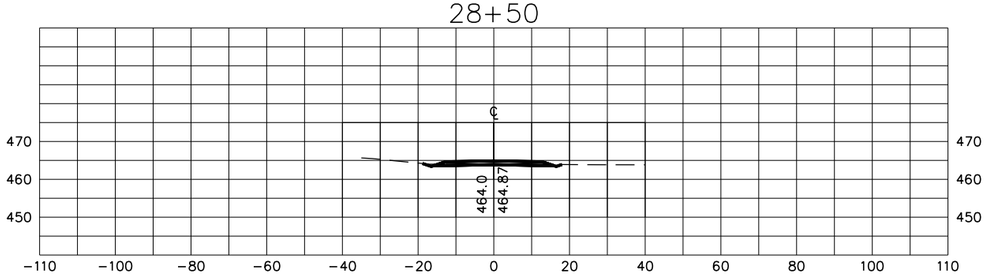

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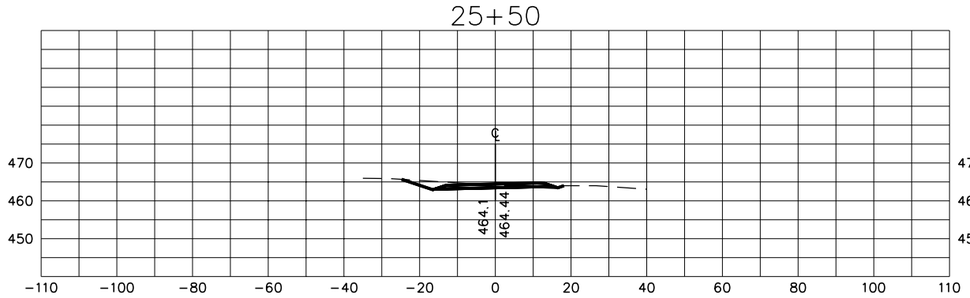

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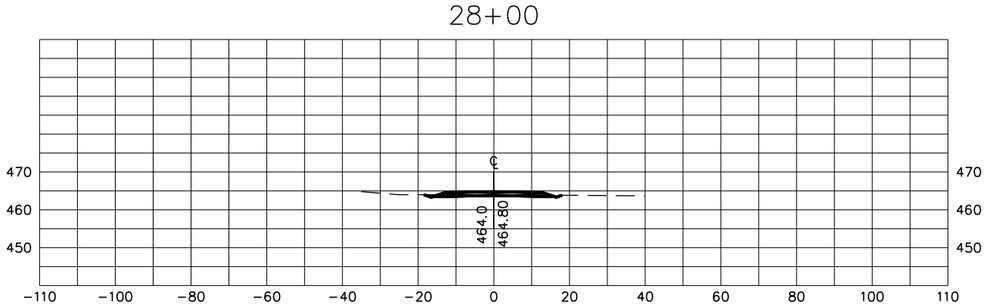

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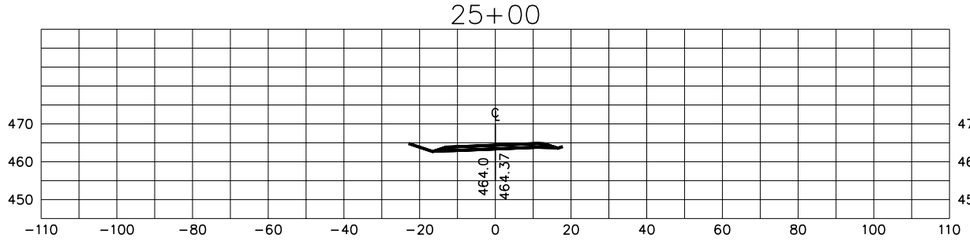

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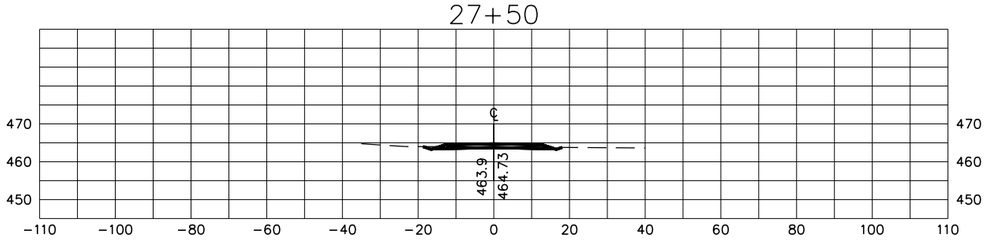

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

DETOUR ROAD

SCALE: 1" = 20'H, 20'V

3/20/2014
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
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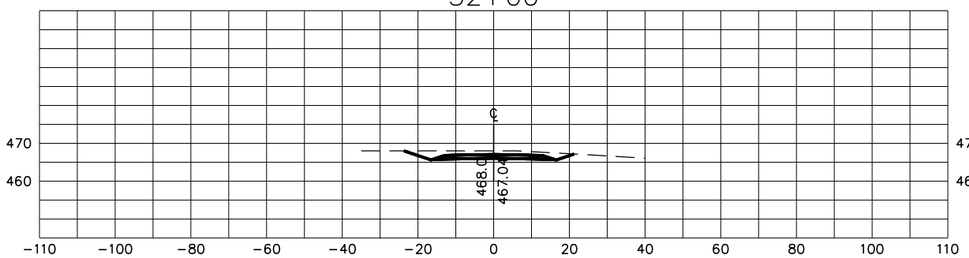
CONST	2014	36001-3290-14	

32+00



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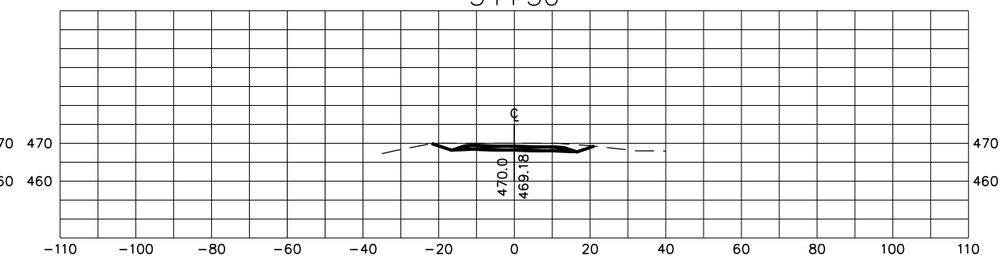

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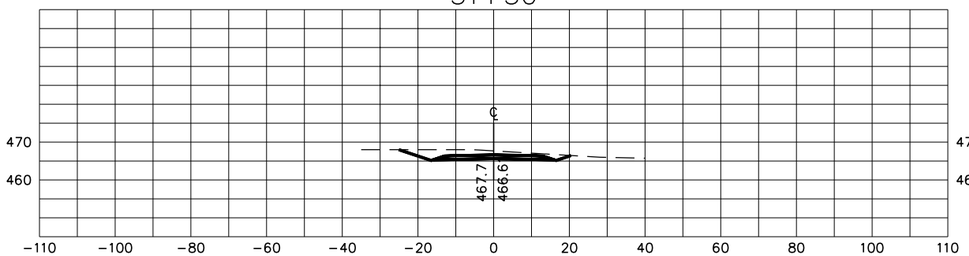

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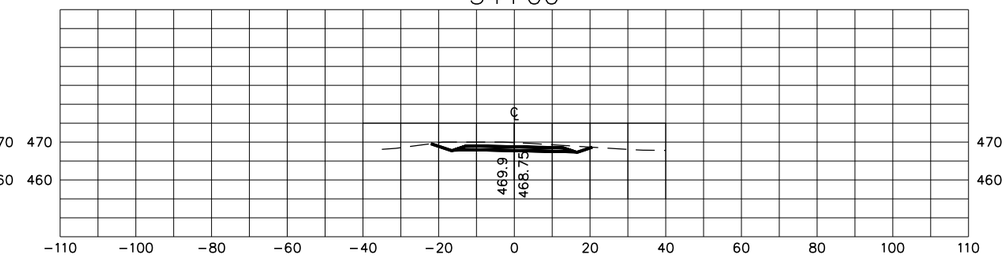

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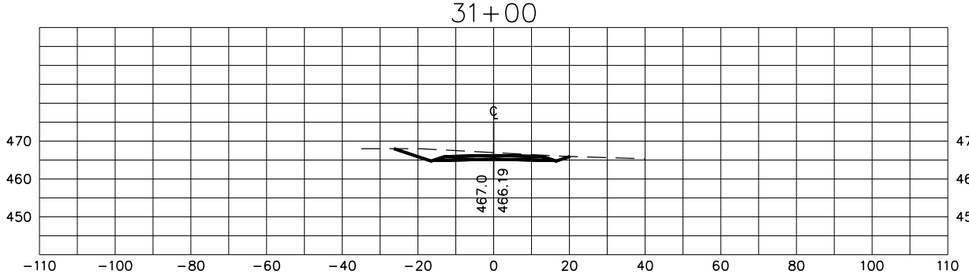

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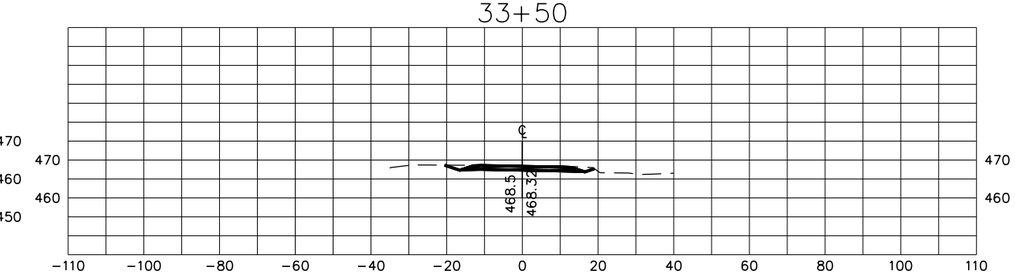

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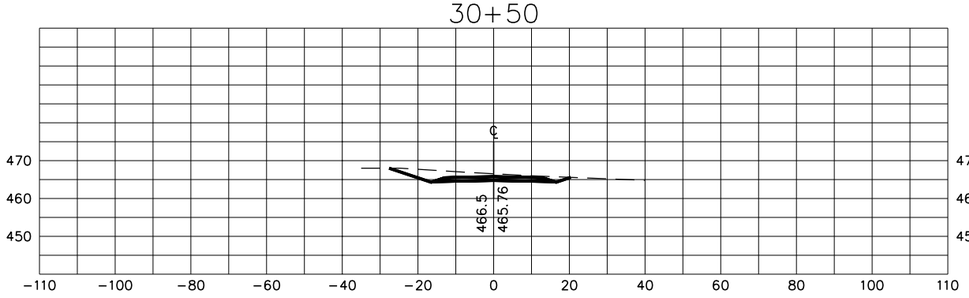

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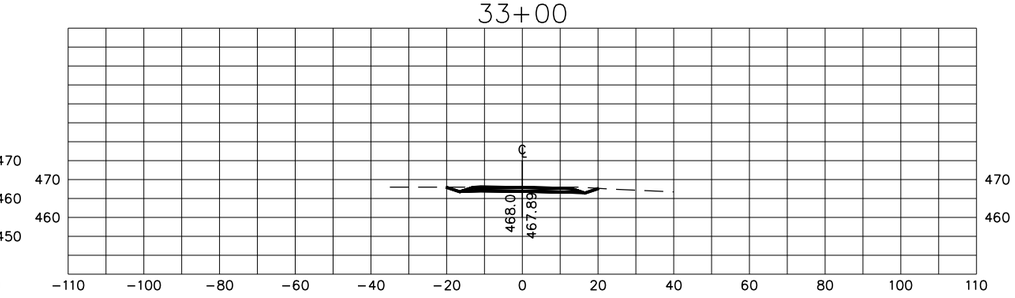

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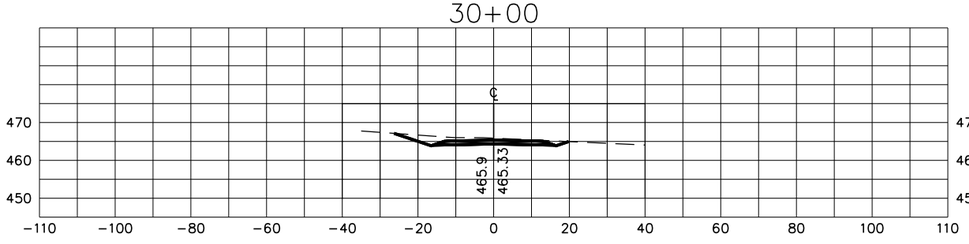

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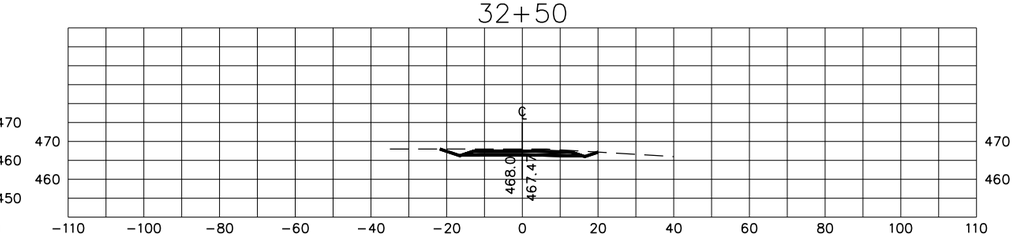

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
CROSS SECTIONS

DETOUR ROAD

SCALE: 1" = 20'H, 20'V

3/20/2014
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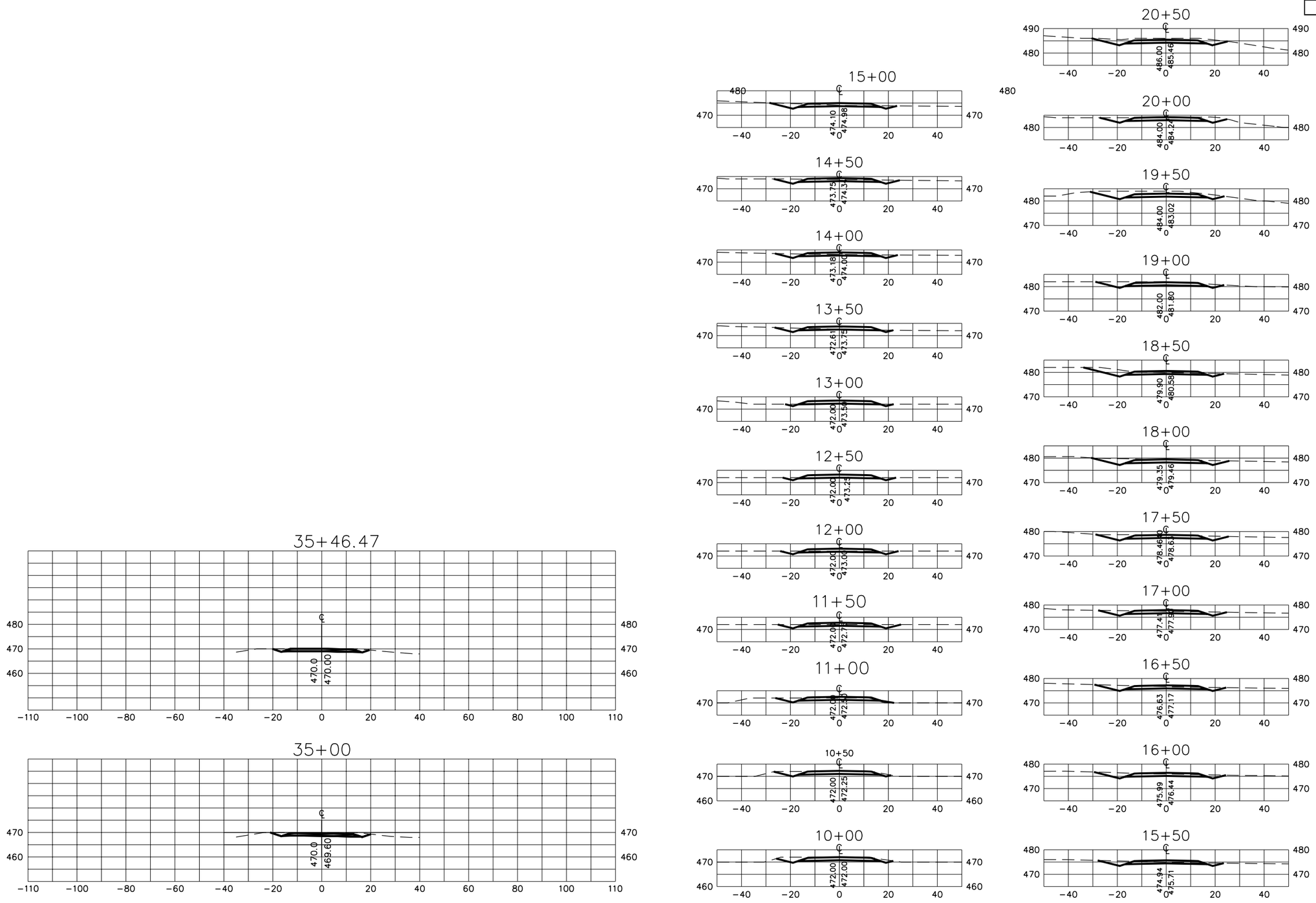
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	NHE-15(108)	549
CONST	2014	36001-3290-14	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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CROSS SECTIONS

DETOUR ROAD

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2013	36001-3290-14	NS-1

REV. 08/25/14 REVISED ESTIMATE QUANTITIES TABLE.

TENNESSEE D.O.T.
DESIGN DIVISION
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ESTIMATE QUANTITIES FOR BIGBEE BRANCH STREAM RELOCATION

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	DETAIL	
203–01.79	BACKFILL	C.Y.	25		
209–03.66	PLACING NATIVE STONE IN NEW CHANNEL	S.Y.	140		①
209–03.57	STREAM MITIGATION – (LOG VANE AND ROOT WAD)	L.F.	60		
209–03.55	STREAM MITIGATION – (LOG RIFFLE)	EACH	5		
209–03.43	STREAM MITIGATION – VEGETATED RIP–RAP (CLASS A–1 AND B RIP–RAP)	C.Y.	140		②
209–03.62	STREAM MITIGATION – ROOT WAD	EACH	6		
209–65.01	TEMPORARY STREAM DIVERSION (PUMP AROUND)	L.S.	1		③
209–65.02	TEMPORARY STREAM DIVERSION (GRAVITY FLOW)	L.S.	1		③
801–01.34	GRASS SEED MIX (RPNZN/FLPL)	UNIT	20		
802–02.30	CUTTINGS: SALIX NIGRA (BLACK WILLOW, 18IN–24IN)	EACH	120		
802–02.32	CUTTINGS: CORNUS AMOMUM (SILKY DOGWOOD, 18IN–24IN)	EACH	120		
802–02.33	CUTTINGS: SAMBUCUS CANADENSIS (ELDERBERRY, 18IN–24IN)	EACH	120		
802–11.07	BETULA NIGRA (RIVER BIRCH 2–5FT CNTNR GRWN)	EACH	16		
802–11.18	LIQUIDAMBER STYRACIFLUA (SWEETGUM 2–5FT CNTNR GRWN)	EACH	16		
802–11.26	PLATANUS OCCIDENTALIS (SYCAMORE 2–5FT CNTNR GRWN)	EACH	19		
802–11.33	QUERCUS MICHAUXII (SWMP CHSTNT OAK 2–5FT CNTNR GRWN)	EACH	19		
802–11.35	QUERCUS NIGRA (WATER OAK 2–5FT CNTNR GRWN)	EACH	19		
802–11.38	QUERCUS PHELLOS (WILLOW OAK 2–5FT CNTNR GRWN)	EACH	19		
805–12.08	700 GRAM COIR FIBER EROSION CONTROL BLANKET	S.Y.	1170		④
802–13.01	ALNUS SERRULATA (HAZEL ALDER 2–5FT CNTNT GRWN)	EACH	60		
802–13.04	CORNUS AMOMUM (SILKY DOGWOOD 2–5FT CNTNR GRWN)	EACH	46		
802–13.07	ILEX OPACA (AMERICAN HOLLY 2–5FT CNTNR GRWN)	EACH	20		
802–13.15	PHYSOCARPUS OPULIFOLIUS (NINEBARK 2–5 FT C.G.)	EACH	20		
805–01.65	TEMPORARY MULCH	UNIT	15		④

(All items above bracketed to note ⑤.)

① THIS ITEM INCLUDES PLACING AND SPREADING THE HARVESTED NATIVE STONE IN THE RIFFLE SECTIONS OF THE NEW CHANNEL.

② VEGETATED RIPRAP WILL HAVE A 50/50 MIX. OF CLASS A–1 & B RIPRAP. INSTALL AS DIRECTED BY THE ENGINEER.

③ CONTRACTOR MAY CHOOSE WHICH ONE OF THESE DIVERSIONS TO USE.

④ STRAW MULCH SHALL BE PLACED BEFORE BLANKET IS INSTALLED AT A RATE OF 50lbs/unit (0.05lb/ft²). ITEM 805–01.65 HAS 5 UNITS WITHIN THE LISTED QUANTITY OF 15 SPECIFICALLY FOR THIS PURPOSE.

⑤ ALL QUANTITIES TO BE USED AS DIRECTED BY THE ENGINEER.

ESTIMATE QUANTITIES FOR BIGBEE BRANCH STREAM RELOCATION

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	DETAIL	
201–01	CLEARING AND GRUBBING	L.S.	1		
203–01	ROAD & DRAINAGE EXCAVATION (NATURAL STREAM MITIGATION)	C.Y.	630		⑥
209–08.08	ENHANCED ROCK CHECK DAM	EACH	2		
709–05.05	MACHINED RIP–RAP (CLASS A–3)	TON	45		
740–10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	80		

(All items above bracketed to note ⑦.)

⑥ THIS ITEM INCLUDES 100 CY OF HARVESTED, NATIVE STONE FROM EXISTING CHANNEL THAT WILL BE IMPACTED BY FILL. THIS NATIVE STONE QUANTITY SHALL BE USED AS DIRECTED BY THE ENGINEER AND IS BASED ON THE ASSUMPTION OF 263 FEET OF IMPACTED, EXISTING STREAM TEN FEET WIDE AND ONE FOOT DEEP.

⑦ ALL QUANTITIES TO BE USED AS DIRECTED BY THE ENGINEER AND INCLUDED IN THE ROADWAY ITEMS ON SHEET 2A.

STANDARD DRAWINGS (TDOT)

DWG NO.	DESCRIPTION
	DRAINAGE–NATURAL STREAM DESIGN
D–NSD–10	LARGE WOODY DEBRIS
D–NSD–11	VEGETATED RIPRAP AND GABIONS

DWG NO.	REV.	DESCRIPTION
		EROSION PREVENTION AND SEDIMENT CONTROL
EC–STR–2	08–01–2012	SEDIMENT FILTER BAGS
EC–STR–6A	08–01–2012	ENHANCED ROCK CHECK DAM
EC–STR–25	08–01–2012	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
EC–STR–32	08–01–2012	TEMPORARY DIVERSION CULVERT
EC–STR–34	08–01–2012	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION

NOTES

1. CONTRACTOR SHALL SUBMIT DOCUMENTATION OF THE FOLLOWING MINIMUM QUALIFICATIONS AND EXPERIENCE PRIOR TO STREAM CONSTRUCTION: (A) A MINIMUM OF TWO WEEKS OF NATURAL CHANNEL DESIGN COURSES COVERING PRINCIPLES OF FLUVIAL GEOMORPHOLOGY, (B) SUCCESSFUL COMPLETION OF AT LEAST 2000 LINEAR FEET OF STREAM RESTORATION CONSTRUCTION IN THE LAST FIVE YEARS CONSISTING OF EXCAVATION OF A NEW STREAM CHANNEL AND/OR FLOODPLAIN OR STABILIZATION OF AN EXISTING CHANNEL USING IN–STREAM NATURAL CHANNEL STABILIZATION STRUCTURES SUCH AS CROSS–VANES, J–HOOKS, LOG AND/OR ROCK VANES, ROOT WADS, BOULDER SILLS AND BIO–ENGINEERING TECHNIQUES, (C) EXPERIENCE WORKING WITH PLANT MATERIALS AND TRANSPLANTED VEGETATION SUCH AS NATIVE SEED MIX, BARE ROOT SEEDLINGS, LIVE STAKES, CONTAINER TREES AND BALLED AND BURLAP TREES, AND (D) TENNESSEE EROSION PREVENTION AND SEDIMENT CONTROL TRAINING, LEVEL I AND LEVEL II.
2. CONTRACTOR SHALL HAVE AN OPERATOR ON SITE WITH AT LEAST 2 YEARS OF EXPERIENCE CONSTRUCTING STREAMS AND IN–STREAM STRUCTURES BASED ON NATURAL CHANNEL DESIGN PRINCIPLES.
3. IF BEDROCK IS ENCOUNTERED DURING STREAM CONSTRUCTION. CONTACT THE T.D.O.T. ENVIRONMENTAL DIVISION IMMEDIATELY. THE PROPOSED DESIGN ASSUMES BEDROCK WILL NOT BE ENCOUNTERED.

CONSTRUCTION SUPERVISION

4. CONSTRUCTION OVERSIGHT WILL BE PERFORMED BY AN INDIVIDUAL EXPERIENCED IN NATURAL CHANNEL DESIGN IN ORDER TO ENSURE THAT THE CONTRACTOR BUILDS THE PROJECT IN ACCORDANCE WITH THE PLANS.

AS–BUILT DRAWINGS

5. DURING CONSTRUCTION, THE CONTRACTOR AND THE ENGINEER SHALL WORK TOGETHER TO MAINTAIN A SET OF PRINTS SHOWING ANY CHANGES OR CORRECTIONS IN RED. THESE PRINTS SHALL BE SUBMITTED TO THE ENGINEER AT THE COMPLETION OF THE WORK.
6. THE AS–BUILT SURVEY WILL BE PERFORMED BY THE CONTRACTOR AND SHALL INCLUDE DELIVERY OF AS–BUILT DRAWINGS. THE CONTRACTOR IS REQUIRED TO PROVIDE AS–BUILT SURVEYING AND WILL BID ON THIS ITEM.

ENVIRONMENTAL–ECOLOGY

1. THE FOLLOWING IS THE RECOMMENDED CONSTRUCTION SEQUENCE:
   a. FLAG EDGE OF THE NEW CHANNEL TOP BANK PRIOR TO CLEARING. DO NOT CLEAR LARGE TREES IN POSITION TO SHADE THE NEW CHANNEL. LEAVE AS MANY TREES AND SHRUBS AS POSSIBLE AS A STREAM BUFFER.
   b. EXCAVATE CHANNEL "IN THE DRY" LEAVING AREAS OF UNDISTURBED EARTH AT BOTH ENDS.
   c. SHAPE CHANNEL TO SPECIFICATIONS SHOWN. REMOVE LOOSE SOILS AND DEBRIS.
   d. IF SUFFICIENT NATIVE STONE (AS APPROVED BY ENGINEER) IS NOT ENCOUNTERED WITHIN THE NEW CHANNEL EXCAVATION, THEN EXCAVATE NATIVE STONE FROM BIGBEE CREEK THAT WILL BE IMPACTED BY BRIDGE CONSTRUCTION IN AND PLACE. BETWEEN IN CHANNEL TO MIMIC THE EXISTING STREAM.
   e. PLACE TOPSOIL, SEED & EROSION CONTROL BLANKET AS SPECIFIED.
   f. REMOVE DIVERSIONS, BANKS AND BOTTOM ELEVATION OF THE OLD CHANNEL SHOULD TRANSITION SMOOTHLY INTO THE NEW CHANNEL. THE ELEVATIONS OF THE NEW CHANNEL BOTTOM AT EACH END OF THE RELOCATION SEQUENCE SHOULD MATCH THE ELEVATIONS OF THE EXISTING CHANNEL, AND A STEADY PERCENT SLOPE SHOULD BE MAINTAINED THROUGHOUT THE RELOCATED CHANNEL CENTERLINE OR AS SPECIFIED.
   g. INSTALL TREES ACCORDING TO STREAM RELOCATION PLANTING DETAIL ON SHEET NS–8.
3. STABILIZE THE BANKS OF THE NEW CHANNEL WITH SEED AND COIR EROSION CONTROL BLANKET BEFORE ANTICIPATED RAINFALL.
4. THE NEW CHANNEL SHALL BE EXCAVATED AND STABILIZED DURING A LOW–WATER PERIOD. LIVE STAKES, BIOENGINEERING MEASURES, SEEDING, AND SOD SHALL BE INSTALLED IMMEDIATELY FOLLOWING CHANNEL COMPLETION. TREES SHALL BE INSTALLED IN THE FIRST PLANTING SEASON FOLLOWING CHANNEL EXCAVATION. WATER SHALL BE DIVERTED INTO THE NEW CHANNEL ONLY AFTER IT IS COMPLETELY STABILIZED, AND ONLY DURING A LOW–WATER PERIOD. STABILIZED MEANS THAT ALL SPECIFIED ROCK AND EROSION CONTROL BLANKET OR FLEXIBLE CHANNEL LINER IS IN PLACE, AND SEEDING AND SOD ARE IN PLACE AND ESTABLISHED.
5. REQUESTS BY ANY AGENCY THAT WOULD REQUIRE THE MODIFICATION OF CHANNELS, DITCHES, ELEVATIONS, RIP–RAP OR ANY OTHER STREAM MITIGATION ITEMS ASSOCIATED WITH THE CHANNEL RELOCATIONS SHALL BE REFERRED TO THE PROJECT ENGINEER.
6. FLOW DIVERSION CAN BE ACCOMPLISHED USING PUMPS OR BY GRAVITY FLOW. A "PUMP AROUND TYPICAL" DETAIL IS LOCATED ON SHEET NS–8. EC–STR–32 IS ALSO REFERENCED AS A GRAVITY FLOW OPTION.

SPECIAL NOTES

1. THIS IS A STREAM RELOCATION PROJECT THAT IS TO BE DONE IN ACCORDANCE WITH 404/401 WATER QUALITY CERTIFICATION.
2. ALL DISTURBED AREAS SHALL BE PROPERLY STABILIZED AS SOON AS PRACTICABLE WITH SEED/STRAW MULCH OR HYDROSEED UNLESS OTHERWISE NOTED IN THE PLANS OR BY THE ENGINEER.

TREES

1. NO SUBSTITUTIONS OF TREE SPECIES OR SIZES SHALL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE ENGINEER/LANDSCAPE ARCHITECT. CONCERNING STREAM MITIGATION, TREES SHALL BE OF THE VARIETY REQUESTED, BARE ROOT (ROOTS MUST BE KEPT MOIST AT ALL TIMES), AND FIRST QUALITY. ANY FOUND TO BE INCORRECT SPECIES, OR IMPROPERLY PLANTED, AT ANY TIME PRIOR TO TERMINATION OF THE CONTRACT SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. STAKES AND WIRES SHALL BE REMOVED IMMEDIATELY PRIOR TO CONTRACT TERMINATION, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER.

   SHRUB SPECIES SHOULD BE 1–GALLON CONTAINER GROWN OR BALL AND BURLAP STOCK. SHRUBS SHOULD BE PLACED ON 10–FOOT CENTERS.

   LIVE STAKE ELDERBERRY AND SILKY DOGWOODS WILL ALSO BE USED ALONG THE STREAMBANK. CONSTRUCTION SPECIFICATIONS FOR LIVE STAKES

1. HARVESTING:

   A. LIVE STAKES MAY CONSIST OF A COMBINATION OF BLACK WILLOW, SILKY DOGWOOD AND ELDERBERRY

   B. STAKES SHOULD BE HARVESTED AND PLANTED WHEN THE WILLOWS OR OTHER CHOSEN SPECIES ARE DORMANT. THIS PERIOD IS GENERALLY FROM LATE FALL TO EARLY SPRING, OR BEFORE THE BUDS START TO BREAK.

   C. WHEN HARVESTING CUTTINGS, SELECT HEALTHY, LIVE WOOD THAT IS REASONABLY STRAIGHT.

   D. USE LIVE WOOD AT LEAST 1 YEAR OLD OR OLDER. THE BEST WOOD IS 2 TO 5 YEARS OLD WITH SMOOTH BARK THAT IS NOT DEEPLY FURROWED.

   E. MAKE CLEAN CUTS WITH UNSPLIT ENDS. TRIM BRANCHES FROM CUTTING AS CLOSE AS POSSIBLE. CUT THE BUTT END OF THE CUTTING AT AN ANGLE (~45 DEGREES) AND THE TOP END SQUARE.

   F. THE TOP (SQUARE CUT END) SHOULD BE PAINTED AND SEALED BY DIPPING THE TOP 1–INCH TO 2–INCHES INTO A 50–50 MIX OF LIGHT COLORED LATEX PAINT AND WATER. THIS REDUCES THE POSSIBILITY OF DESICCATION AND DISEASE CAUSING MORTALITY AND MAKES THEM MORE VISIBLE FOR SUBSEQUENT PLANTING EVALUATIONS. ASSURE THE STAKES ARE PLANTED WITH THE TOP UP.

   G. CUTTINGS SHOULD GENERALLY BE BETWEEN 0.75–INCHES TO 2–INCHES IN DIAMETER BUT CAN BE LARGER DEPENDING ON THE SPECIES. HIGHEST SURVIVAL RATES ARE OBTAINED FROM USING CUTTINGS 2–INCHES TO 3–INCHES IN DIAMETER. LARGER DIAMETER CUTTINGS ARE NEEDED FOR PLANTING INTO ROCK RIPRAP.

   H. CUTTINGS OF SMALL DIAMETER (UP TO 1.5–INCHES) SHOULD BE 18 INCHES LONG MINIMUM. THICKER CUTTINGS SHOULD BE LONGER.

   I. STAKES SHOULD BE CUT SO A TERMINAL BUD SCAR IS WITHIN 1–INCH TO 4–INCHES OF THE TOP. AT LEAST TWO BUDS AND/OR BUD SCARS SHOULD BE ABOVE THE GROUND AFTER PLANTING.

2. INSTALLATION:

   A. STAKES MUST BE PLANTED WITH BUTT–ENDS INTO THE GROUND. LEAF BUD SCARS OR EMERGING BUDS SHOULD ALWAYS POINT UP.

   B. STAKES MUST NOT BE ALLOWED TO DRY OUT. THE CUTTINGS NOT PLANTED THE DAY THEY ARE HARVESTED SHOULD BE SOAKED IN WATER FOR A MINIMUM OF 24 HOURS AS SOAKING SIGNIFICANTLY INCREASES THE SURVIVAL RATE OF THE CUTTINGS.

   C. PLANT STAKES 5 FEET APART AND ALTERNATE SPECIES.

   D. SET THE STAKE AS DEEP AS POSSIBLE INTO THE SOIL, PREFERABLY WITH 80 PERCENT OF ITS LENGTH BURIED BUT NO LESS THAN ONE–HALF OF THE TOTAL LENGTH BURIED.

   E. TAMP THE SOIL AROUND THE CUTTING.

USE AN IRON STAKE OR BAR TO MAKE A PILOT HOLE IN FIRM SOIL OR BETWEEN RIPRAP. DRIVE LIVE STAKES INTO THE SOIL WITH A RUBBER MALLET OR DEAD–BLOW HAMMER.

1.1.1 MULCHING OF SEEDED AREAS

ALL SEEDED AREAS ARE TO BE COVERED BY STRAW MULCH. HYDROSEEDING IN WHICH SEED, TACKIFIER, AND MULCH IS IN THE MIX MAY BE USED IN LIEU OF STRAW MULCH.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

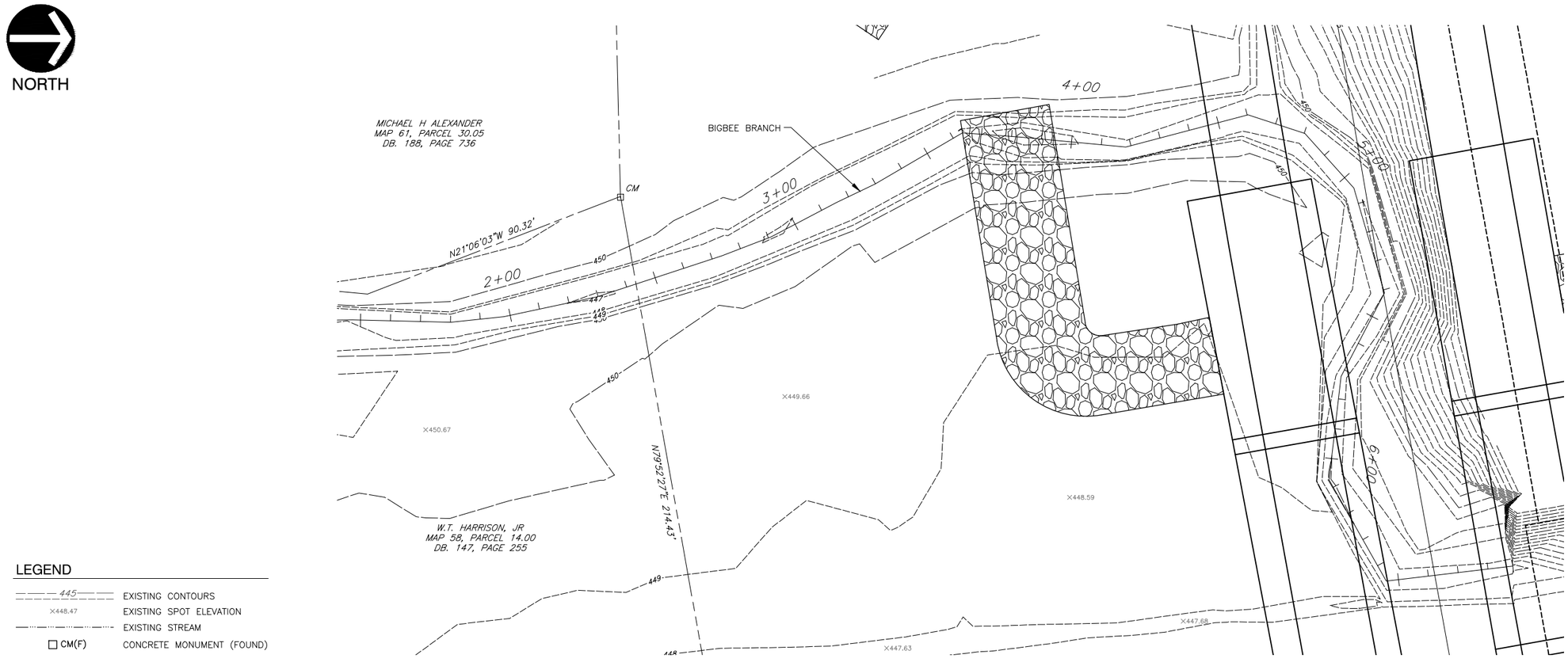
S.R. 15
(U.S. HWY 64)

BIGBEE BRANCH
STREAM RELOCATION
QUANTITIES, NOTES, INDEX
AND STANDARD DRAWINGS

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$

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

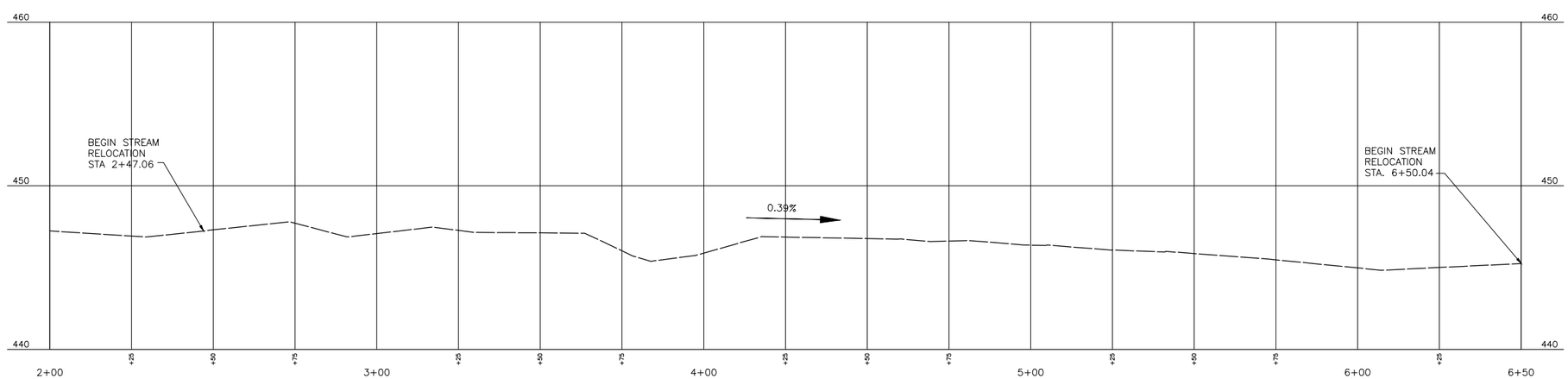
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	36001-3290-14	NS-2



LEGEND

445	EXISTING CONTOURS
×448.47	EXISTING SPOT ELEVATION
	EXISTING STREAM
☐ CM(F)	CONCRETE MONUMENT (FOUND)

SCALE IN FEET
0 20' 40'



COORDINATES ARE NAD/83 (1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000060 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STEVEN E. CASEY
REGISTERED ENGINEER
No. 107419
STATE OF TENNESSEE
6/9/14

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
(U.S. HWY 64)
BIGBEE BRANCH
STREAM RELOCATION
EXISTING PLAN
& PROFILE
SCALE: 1"=20'

$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	36001-3290-14	NS-3

NOTE:
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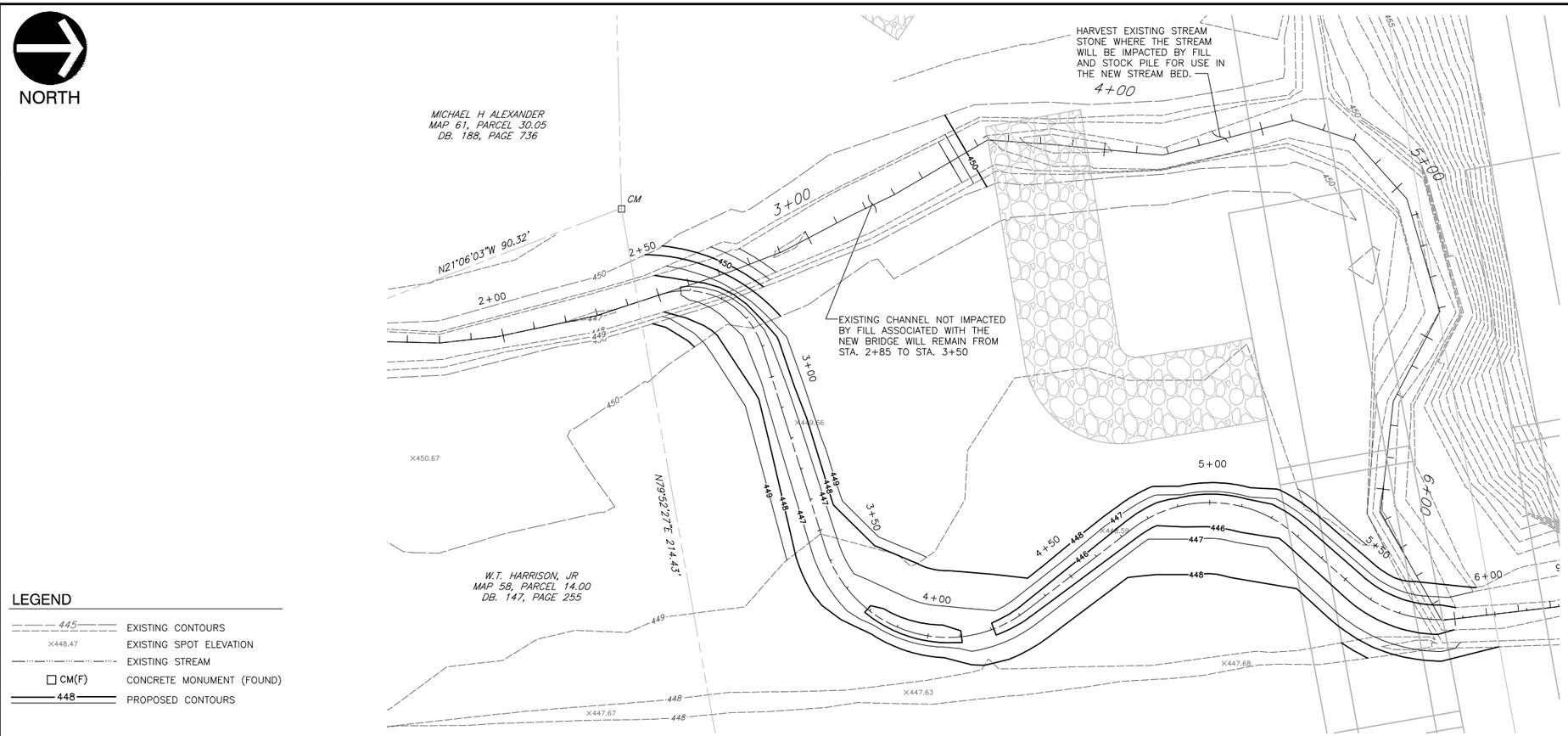
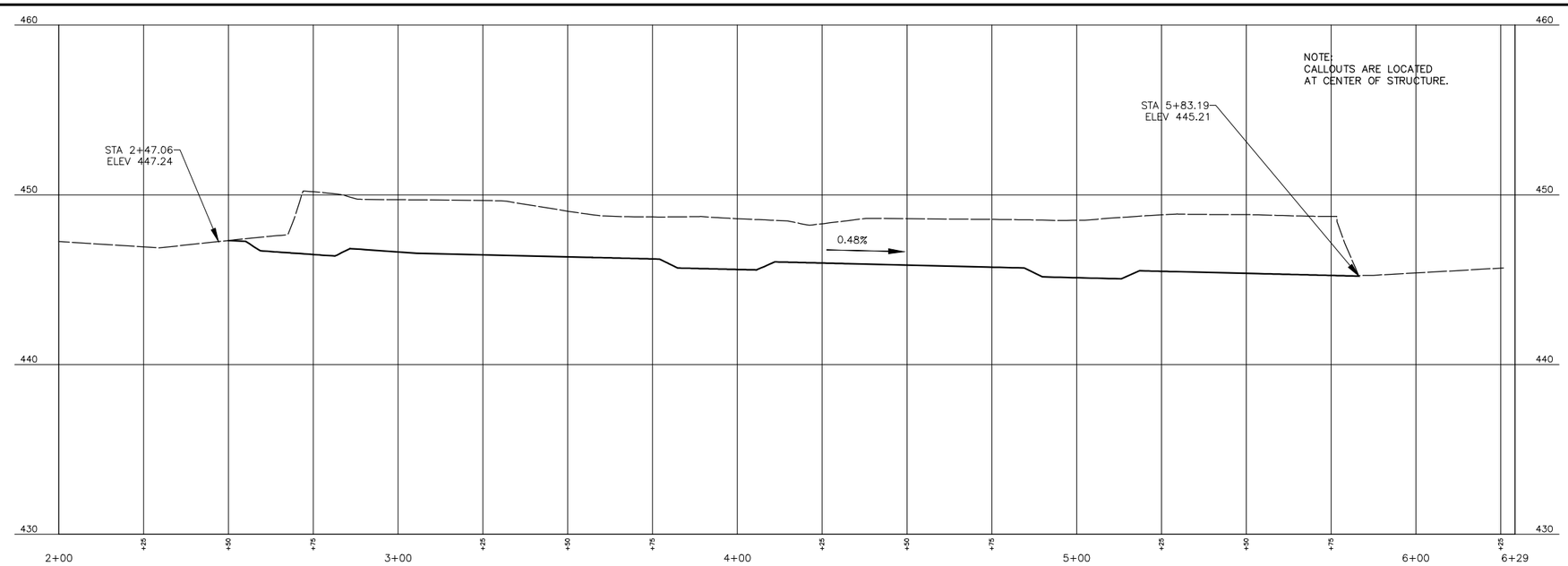


LEGEND

445	EXISTING CONTOURS
×448.47	EXISTING SPOT ELEVATION
	EXISTING STREAM
CM(F)	CONCRETE MONUMENT (FOUND)
448	PROPOSED CONTOURS



Proposed Channel Geomorphology	
Parameter	Proposed Geomorphology
Meander Wavelength	~ 173 ft
Belt width	~ 80.3 ft
Radius of Curvature	~ 40 ft
Sinuosity	~ 1.24
Pool Average Dbkf	1.2–1.5 ft
Pool Average Wbkf	14–16 ft
Pool Average Abkf	19–21 ft²
Riffle Average Dbkf	0.9–1.2 ft
Riffle Average Wbkf	11–13 ft
Riffle Average Abkf	12–14 ft²

RELOCATED STREAM LENGTH = 336.8'

EXISTING STREAM IMPACTED BY BRIDGE CONSTRUCTION = 399.4'

EXISTING STREAM TO BE LEFT AS ISOLATED WATER POOL = 65.0'

PROPOSED BIGBEE BRANCH PROFILE

SCALE H:1"=20'; V:1"=4'

COORDINATES ARE NAD/83 (1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000060 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
(U.S. HWY 64)
BIGBEE BRANCH
STREAM RELOCATION
PROPOSED PLAN
& PROFILE
SCALE: 1"=20'

$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	36001-3290-14	NS-4

NOTE:
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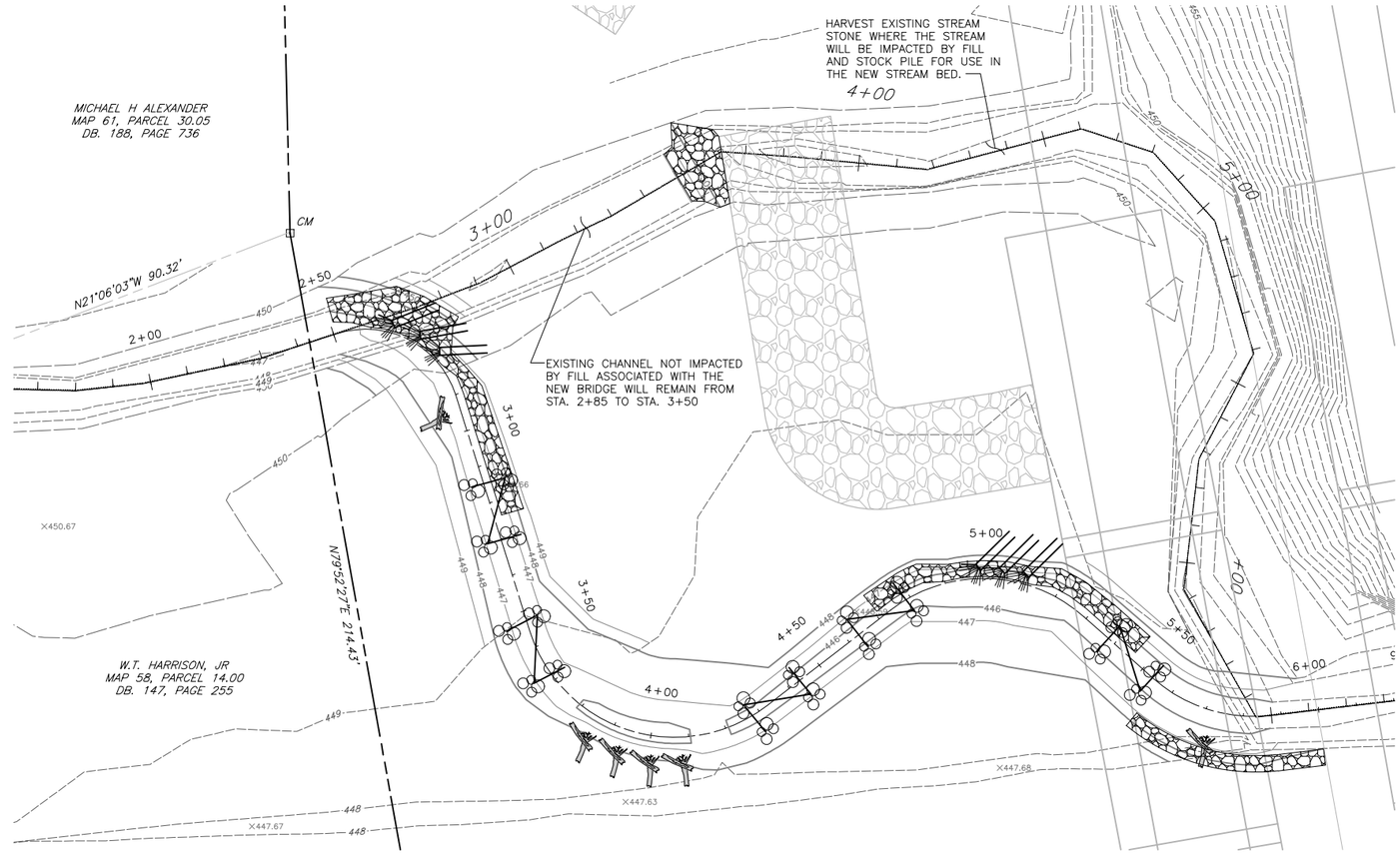
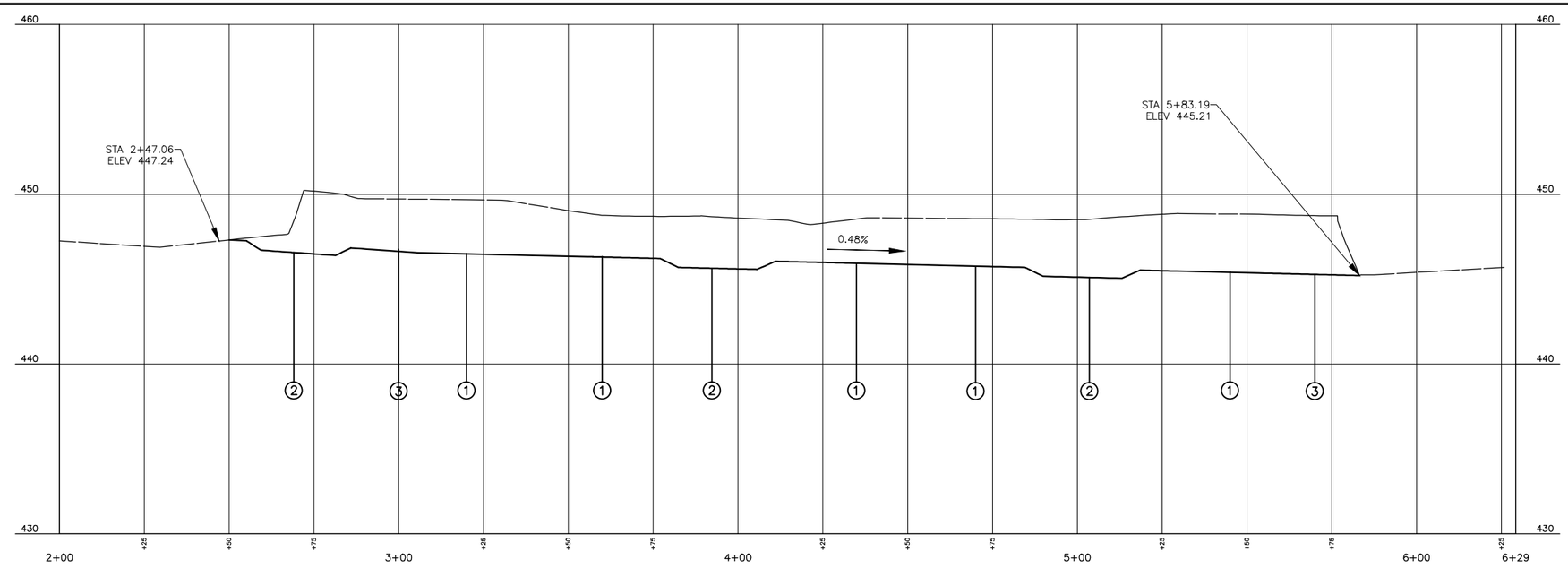


LEGEND

- 445 — EXISTING CONTOURS
- ×448.47 — EXISTING SPOT ELEVATION
- EXISTING STREAM
- CM(F) — CONCRETE MONUMENT (FOUND)
- EXISTING R.O.W.
- 448 — PROPOSED CONTOURS
- LOG RIFFLE (D-NSD-6)
- ROOT WAD (D-NSD-10)
- VEGETATED RIPRAP (D-NSD-11)
- LOG VANE AND ROOT WAD

SPECIAL NOTE:
1. STREAM STRUCTURES TO BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE STANDARD DRAWINGS OR AS DIRECTED BY THE ENGINEER.
2. SEE STREAM RELOCATION PLANTING DETAIL ON SHEET NS-8 FOR TREE/SHRUB PLANTING INFORMATION

SCALE IN FEET
0 20' 40'



INSTREAM STRUCTURE LEGEND:
1. LOG RIFFLE
2. ROOT WAD (D-NSD-10)
3. LOG VANE & ROOT WAD

Proposed Channel Geomorphology	
Parameter	Proposed Geomorphology
Meander Wavelength	~ 173 ft
Belt width	~ 80.3 ft
Radius of Curvature	~ 40 ft
Sinuosity	~ 1.24
Pool Average Dbkf	1.2–1.5 ft
Pool Average Wbkf	14–16 ft
Pool Average Abkf	19–21 ft²
Riffle Average Dbkf	0.9–1.2 ft
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RELOCATED STREAM LENGTH = 336.8'

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EXISTING STREAM TO BE LEFT AS ISOLATED WATER POOL = 65.0'

PROPOSED BIGBEE BRANCH PROFILE
SCALE H:1"=20'; V:1"=4'

STEVEN E. CASEY
XVI
AGRICULTURE
No. 107419
STATE OF TENNESSEE
8/9/17

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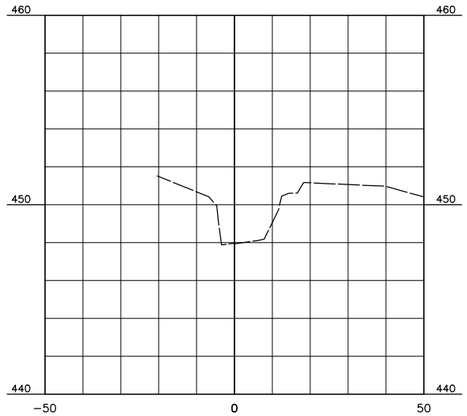
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
(U.S. HWY 64)
BIGBEE BRANCH
STREAM RELOCATION
PROPOSED PLAN &
PROFILE WITH STRUCTURE
SCALE: 1"=20'

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	36001-3290-14	NS-5



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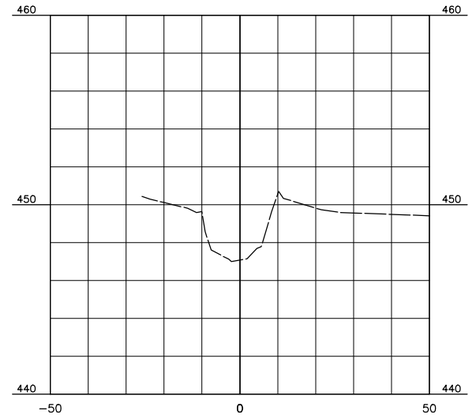

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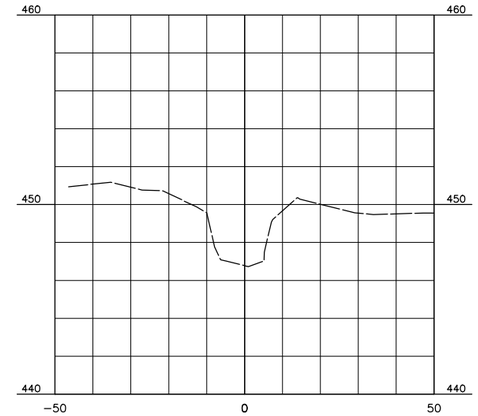

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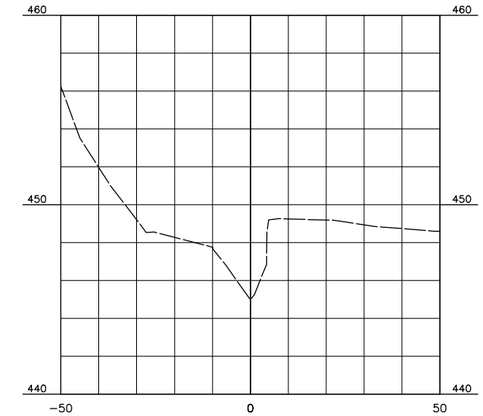

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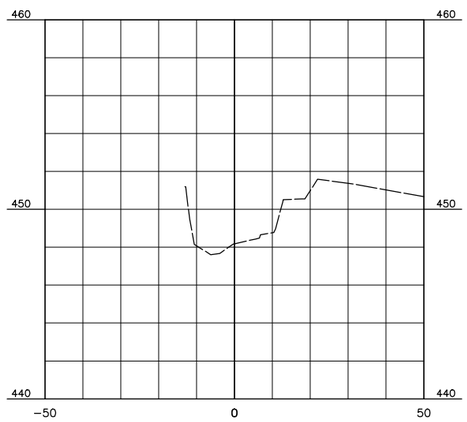

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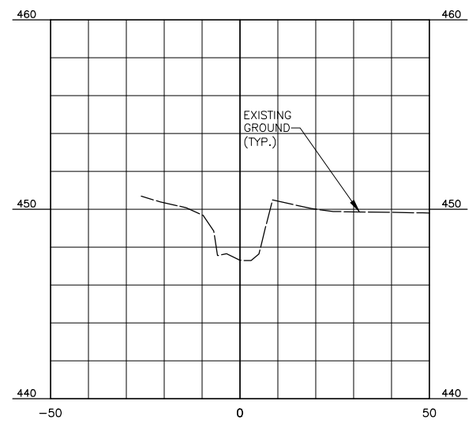

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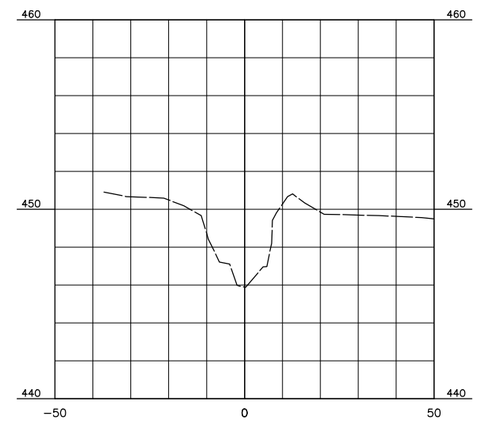

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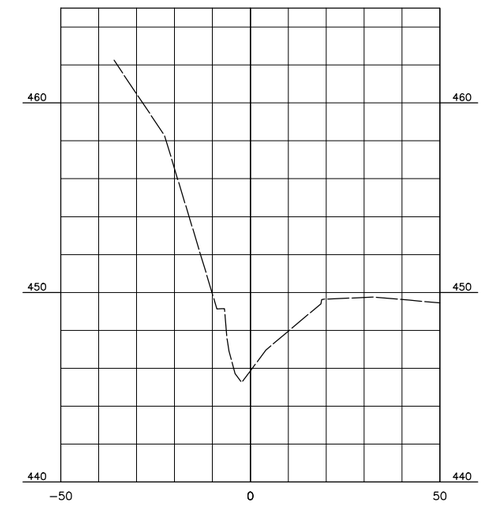

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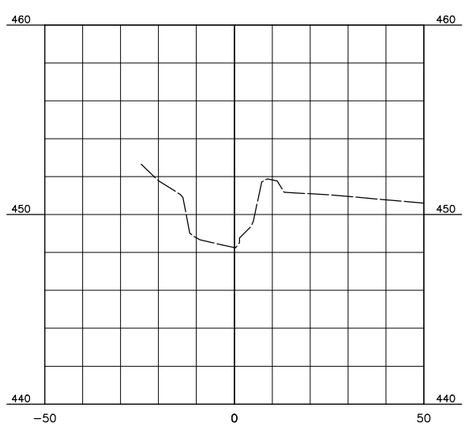

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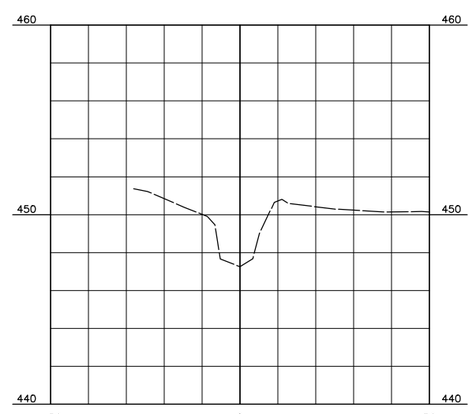

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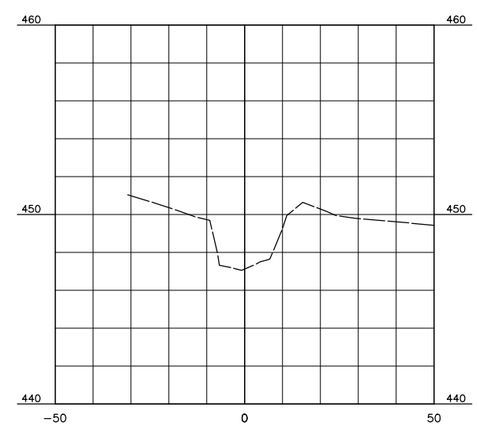

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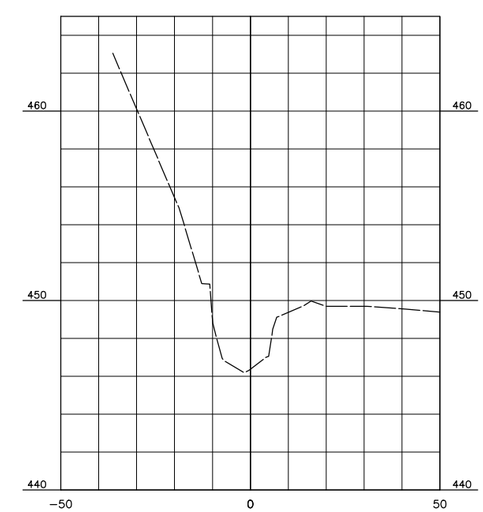

STA 5+00

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
(U.S. HWY 64)
BIGBEE BRANCH
STREAM RELOCATION
EXISTING
CROSS-SECTIONS

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	36001-3290-14	NS-6

NOTE:
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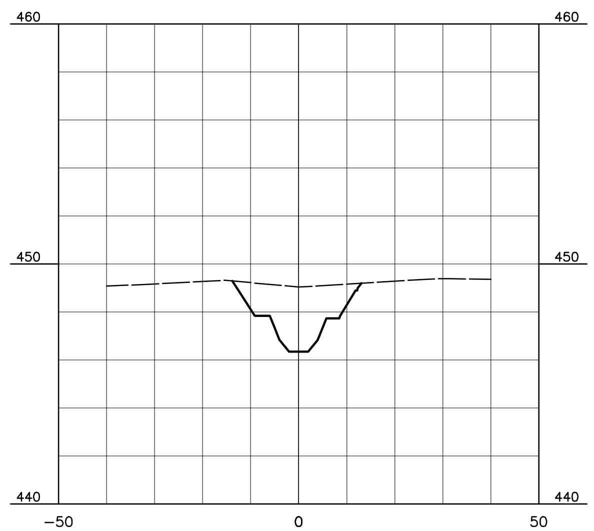

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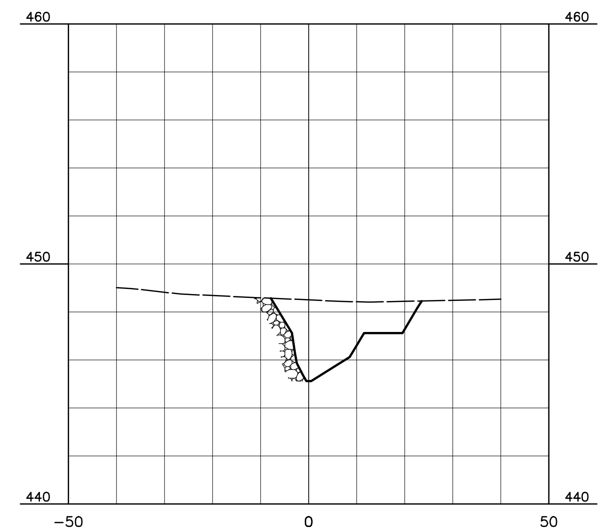

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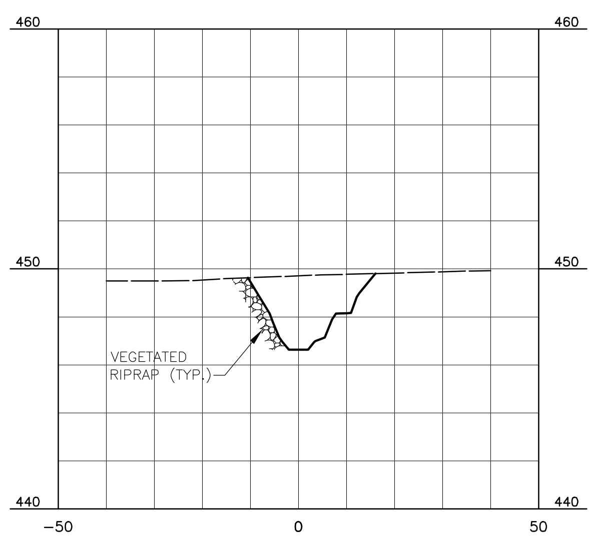

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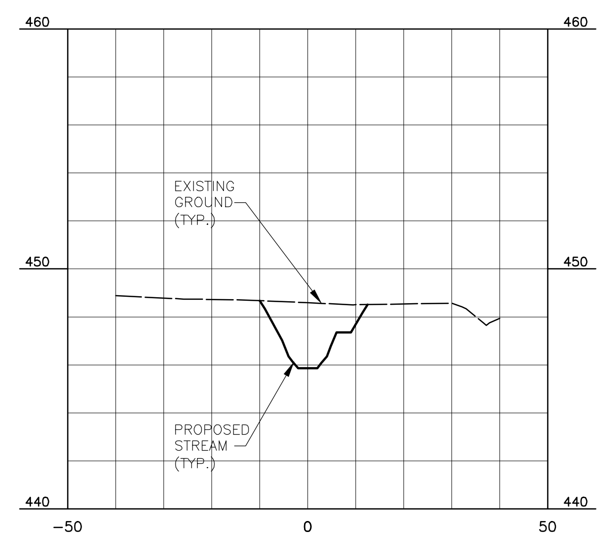

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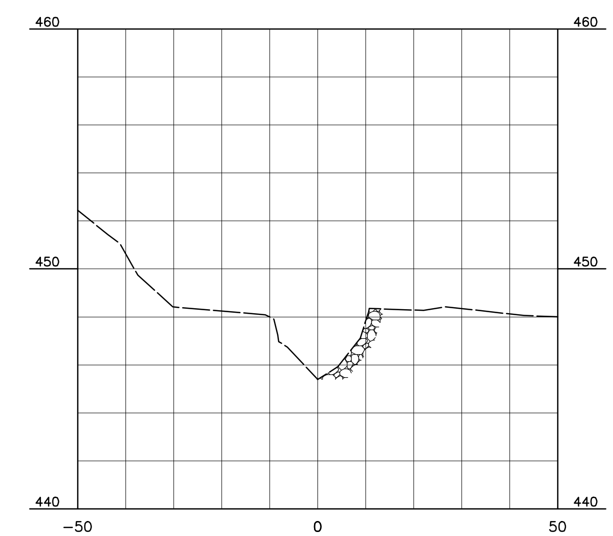

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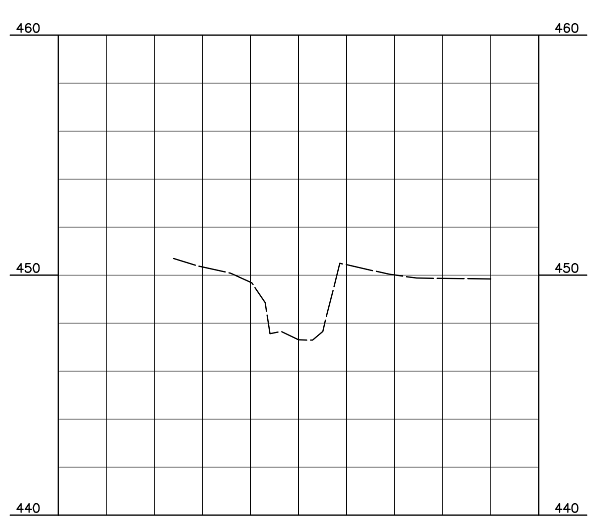

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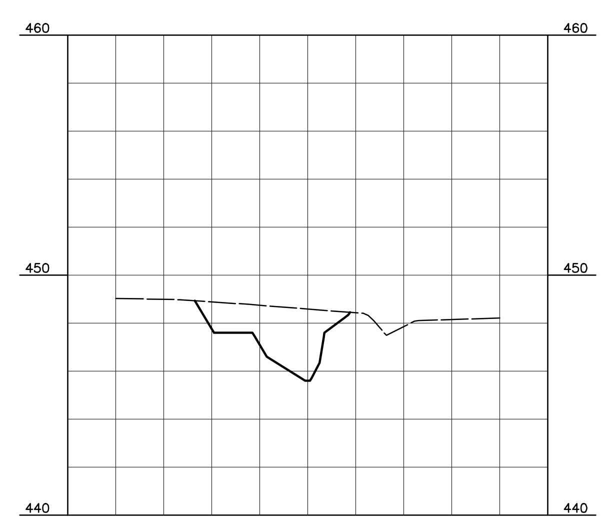

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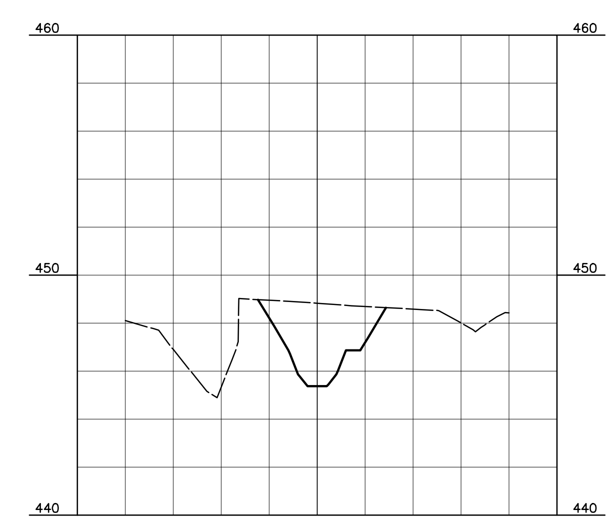

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
(U.S. HWY 64)
BIGBEE BRANCH
STREAM RELOCATION
PROPOSED
CROSS–SECTIONS

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	36001-3290-14	NS-7

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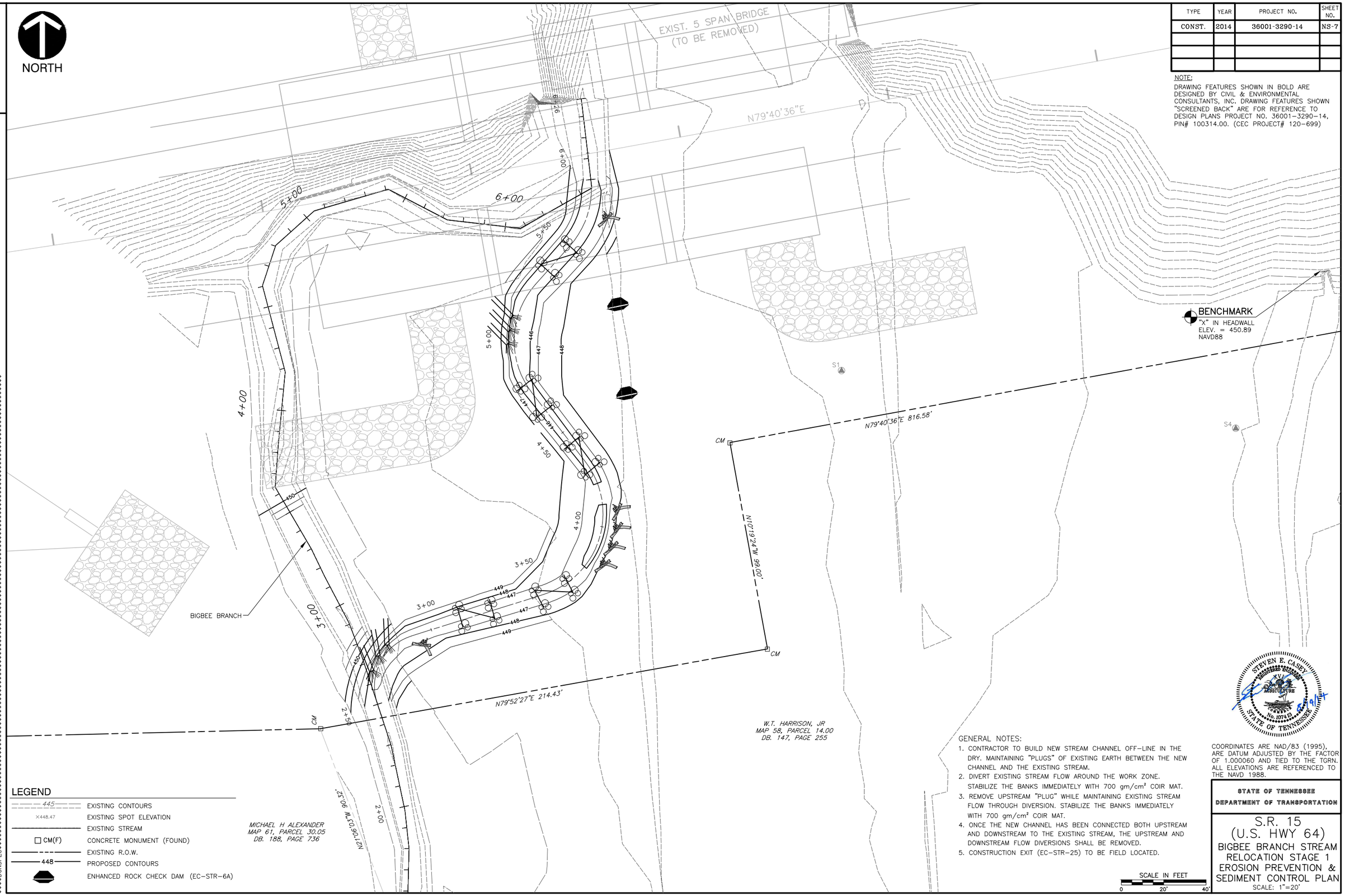

GENERAL NOTES:

1. CONTRACTOR TO BUILD NEW STREAM CHANNEL OFF-LINE IN THE DRY. MAINTAINING "PLUGS" OF EXISTING EARTH BETWEEN THE NEW CHANNEL AND THE EXISTING STREAM.
2. DIVERT EXISTING STREAM FLOW AROUND THE WORK ZONE. STABILIZE THE BANKS IMMEDIATELY WITH 700 gm/cm² COIR MAT.
3. REMOVE UPSTREAM "PLUG" WHILE MAINTAINING EXISTING STREAM FLOW THROUGH DIVERSION. STABILIZE THE BANKS IMMEDIATELY WITH 700 gm/cm² COIR MAT.
4. ONCE THE NEW CHANNEL HAS BEEN CONNECTED BOTH UPSTREAM AND DOWNSTREAM TO THE EXISTING STREAM, THE UPSTREAM AND DOWNSTREAM FLOW DIVERSIONS SHALL BE REMOVED.
5. CONSTRUCTION EXIT (EC-STR-25) TO BE FIELD LOCATED.

STEVEN E. CASEY
REGISTERED ENGINEER
No. 107413
STATE OF TENNESSEE
5/9/14

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
(U.S. HWY 64)
BIGBEE BRANCH STREAM RELOCATION STAGE 1
EROSION PREVENTION & SEDIMENT CONTROL PLAN
SCALE: 1"=20'

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$$$

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	36001-3290-14	NS-7A

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STEVEN E. CASEY REGISTERED ENGINEER XVI AGRICULTURE COMMERCE No. 107413 STATE OF TENNESSEE
8/19/14

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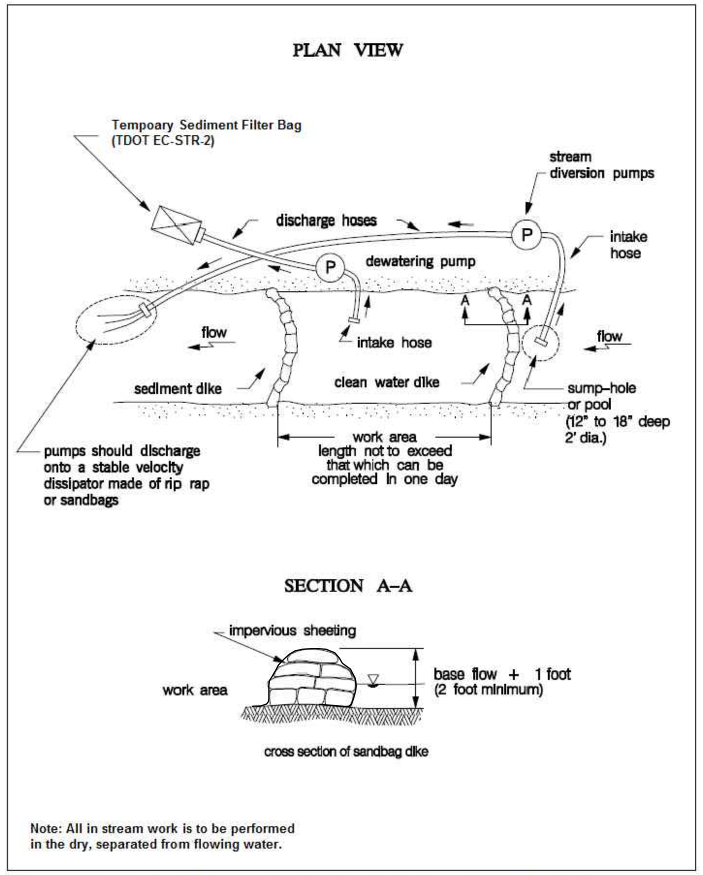
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
(U.S. HWY 64)
BIGBEE BRANCH STREAM RELOCATION STAGE 2
EROSION PREVENTION & SEDIMENT CONTROL PLAN
SCALE: 1"=20'

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	36001-3290-14	NS-8



Source: Maryland's Waterway Construction Guidelines, November 2000

PUMP AROUND TYPICAL

N.T.S.

PUMP-AROUND DIVERSION

Temporary measure for dewatering in-channel construction sites

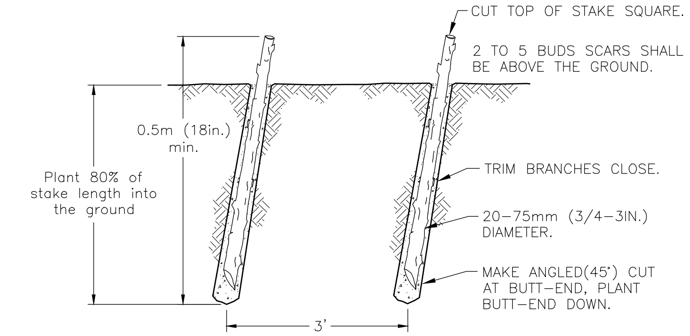
DESCRIPTION

The work should consist of installing a temporary pump and supporting measures to divert flow around in-stream construction sites.

IMPLEMENTATION SEQUENCE

Sediment control measures, pump-around practices, and associated channel and bank construction should be completed in the following sequence

1. Construction activities including the installation of erosion and sediment control measures should not begin until all necessary easements and/or right-of-ways have been acquired. All existing utilities should be marked in the field prior to construction. The contractor is responsible for any damage to existing utilities that may result from construction and should repair the damage at his/her own expense to the city's, county's or utility company's satisfaction.
2. The contractor should stake out all limits of disturbance prior to the pre-construction meeting so they may be reviewed. The participants will also designate the contractor's staging areas and flag all trees within the limit of disturbance which will be removed for construction access. Trees should not be removed within the limit of disturbance without approval from the Engineer or their Designated Representative.
3. Construction should not begin until all sediment and erosion control measures have been installed and approved by the engineer and the sediment control inspector. The contractor should stay within the limits of the disturbance as shown on the plans and minimize disturbance within the work area whenever possible.
4. Upon installation of all sediment control measures and approval by the sediment control inspector, the contractor should begin work at the upstream section and proceed downstream beginning with the establishment of stabilized construction entrances. In some cases, work may begin downstream, if appropriate. The contractor should only begin work in an area which can be completed by the end of the day including grading adjacent to the channel. At the end of each work day, the work area must be stabilized and the pump around removed from the channel. Work should not be conducted in the channel during rain events.
5. Sandbag dikes should be situated at the upstream and downstream ends of the work area as shown on the plans, and stream flow should be pumped around the work area. The pump should discharge onto a stable velocity dissipater made of riprap or sandbags.
6. Water from the work area should be pumped to a sediment filtering measure such as a dewatering basin, sediment bag, or other approved source. The measure should be located such that the water drains back into the channel below the downstream sandbag dike.
7. Traversing a channel reach with equipment within the work area where no work is proposed should be avoided. If equipment has to traverse such a reach for access to another area, then timber mats or similar measures should be used to minimize disturbance to the channel. Temporary stream crossings should be used only when necessary and only where noted on the plans or specified.
8. All stream restoration measures should be installed as indicated by the plans and all banks graded in accordance with the grading plans and typical cross-sections. All grading must be stabilized at the end of each day with seed and mulch or seed and matting as specified on the plans.
9. After an area is completed and stabilized, the clean water dike should be removed. After the first sediment flush, a new clean water dike should be established upstream from the old sediment dike. Finally, upon establishment of a new sediment dike upstream the old one, the old sediment dike should be removed.
10. A pump around must be installed on any tributary or storm drain outfall which contributes baseflow to the work area. This should be accomplished by locating a sandbag dike at the downstream end of the tributary or storm drain outfall and pumping the stream flow around the work area. This water should discharge onto the same velocity dissipater used for the main stem pump around.
11. The contractor is responsible for providing access to and maintaining all erosion and sediment control devices until the sediment control inspector approves their removal.
12. After construction, all disturbed areas should be regraded and revegetated as per the project specifications.

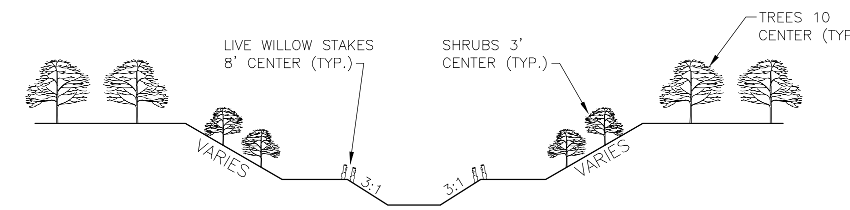


DETAIL:
LIVE STOUT STAKES SHOULD BE LONG ENOUGH TO REACH BELOW THE GROUNDWATER TABLE. (GENERALLY, A LENGTH OF 2 TO 3 FEET) ADDITIONALLY, THE STAKES SHOULD HAVE A DIAMETER IN THE RANGE OF 0.75 TO 3.0 INCHES.

NOTES:
1. HARVEST AND PLANT STAKES DURING THE DORMANT SEASON.
2. USE HEALTHY, STRAIGHT AND LIVE WOOD AT LEAST 1 YEAR OLD.
3. MAKE CLEAN CUTS AND DO NOT DAMAGE STAKES OR SPLIT ENDS DURING INSTALLATION: USE AN IRON BAR AND PILOT HOLE IN FIRM SOILS.
4. SOAK CUTTINGS FOR AT LEAST 24 HOURS PRIOR TO INSTALLATION. SOAK FOR 5-7 DAYS FOR BEST RESULTS.
5. TAMP THE SOIL AROUND THE STAKE.

LIVE STAKES

N.T.S.



TYPICAL SECTION

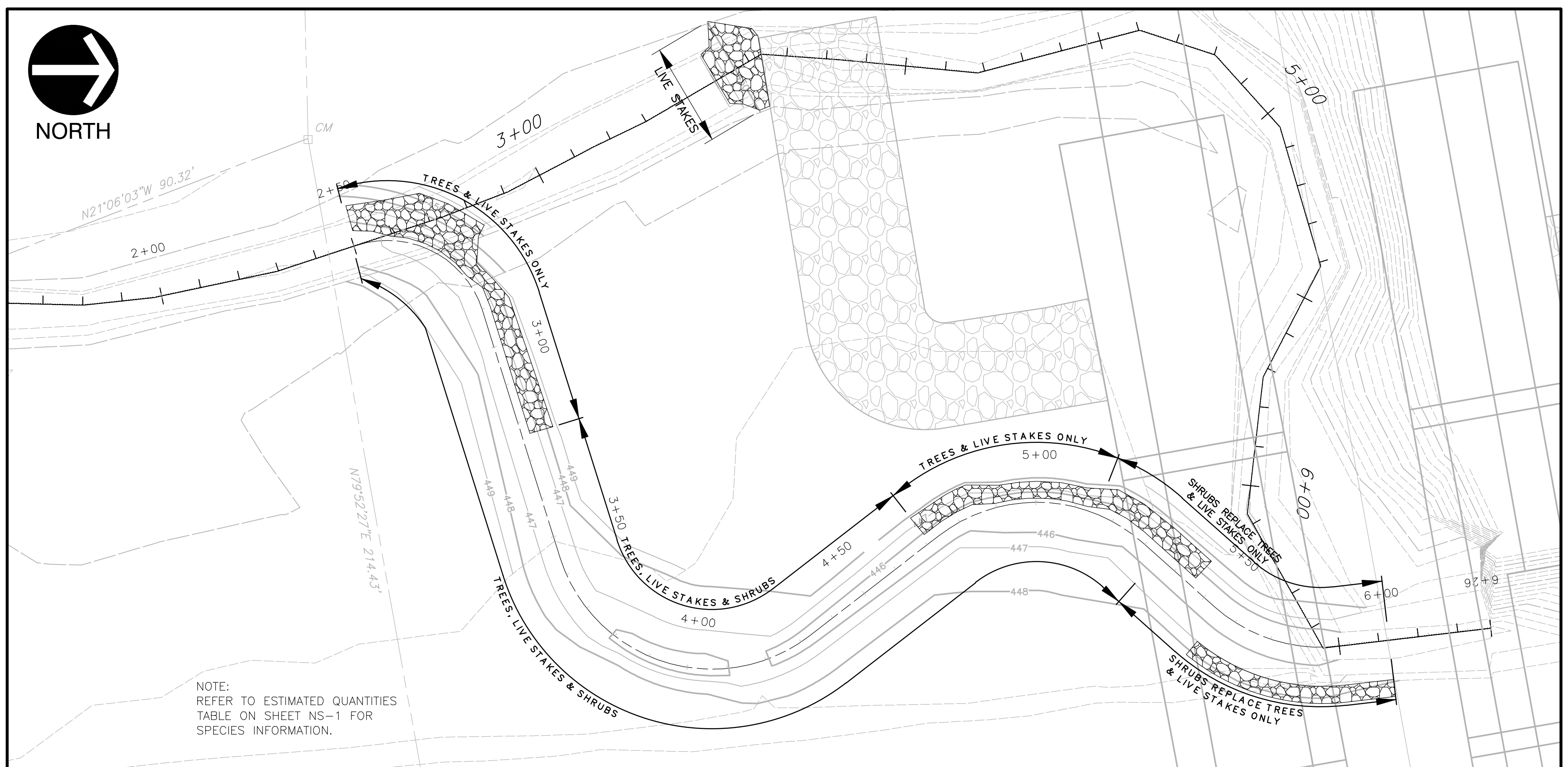
N.T.S.

PROTECTED AREA
NO TREE CLEARING OR CUTTING OR MOWING ALLOWED
CONTACT TDOT ENVIRONMENT DIVISION (615) 741-3655

NOTES:
1. THE PROTECTED AREA SIGN SHALL BE WHITE WITH BLACK LETTERING.
2. LINES 1, 2, 3 & 4 SHALL BE 2 INCHES IN HEIGHT. LINES 5 & 6 SHALL BE 1 INCH IN HEIGHT.
3. PROTECTED AREA SIGN SHALL BE PAID FOR UNDER ITEM NO. 713-16.20, PROTECTED AREA SIGN, PER EACH, AS SHOWN IN DETAIL ON THIS SHEET. PAYMENT SHOULD INCLUDE ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO CONSTRUCT AS SHOWN IN DETAIL.
4. LOCATION AND NUMBER OF SIGNS TO BE DETERMINED IN THE FIELD OR AS DIRECTED BY THE ENGINEER.

PROTECTED AREA SIGN

N.T.S.



NOTE:
REFER TO ESTIMATED QUANTITIES TABLE ON SHEET NS-1 FOR SPECIES INFORMATION.

STREAM RELOCATION PLANTING DETAIL

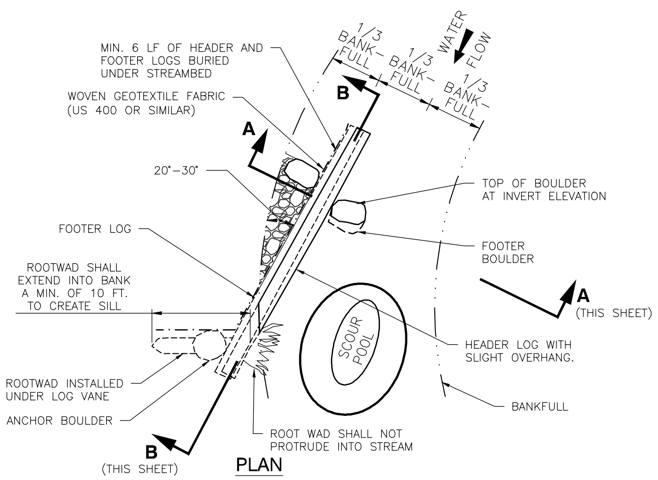
N.T.S.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
(U.S. HWY 64)

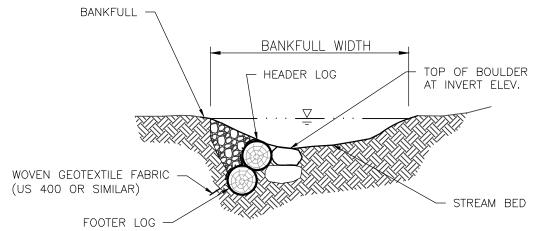
BIGBEE BRANCH
STREAM RELOCATION
DETAILS

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	36001-3290-14	NS-9

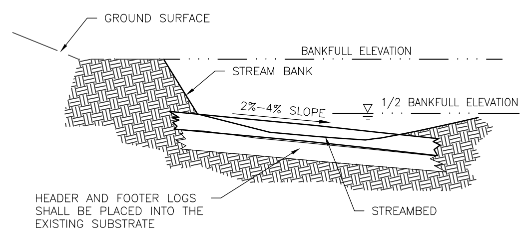


PLAN

MIN. LOG DIAMETER (IN.)	TOTAL EXPOSED LOG LENGTH (FT.)	MIN. BOULDER DIAMETER (FT.)	WBKF (FT.)
12	9.5	3.0	13.5



SECTION A-A



SECTION B-B

NOTES:

1. A HYDRAULIC EXCAVATOR, WITH A HYDRAULIC THUMB, SHALL BE USED TO PLACE BOULDERS AND LOGS.
2. LOGS SHALL BE RELATIVELY STRAIGHT, HARDWOOD, AND RECENTLY HARVESTED AND EXTENDED INTO THE BANK 6-FT. ON EACH SIDE.
3. LOG VANE SHALL EXTEND FROM THE BOTTOM OF THE BED ELEVATION TO THE HEAD OF THE VANE AT A MIN. DEPTH OF 1/2 BANKFULL ELEVATION. THE LOG VANE ARM HAS A SLOPE OF 2%-4%. HEADER AND FOOTER LOGS SHALL BE TIED SECURELY INTO THE BANK IN SUCH A WAY THAT ELIMINATES THE POSSIBILITY OF STREAM FLOW DIVERTING AROUND THEM.
4. WOVEN GEOTEXTILE FABRIC (US 400 OR SIMILAR) SHALL BE INSTALLED ON THE UPSTREAM SIDE OF THE STRUCTURE 1/4 DIAMETER LENGTH FROM THE TOP OF THE LOG. THE NAILS SHALL BE NO GREATER THAN 12 INCHES ON CENTER. THE WOVEN GEOTEXTILE FABRIC SHALL BE BURIED IN THE BOTTOM OF THE CHANNEL AND SHALL BE PLACED THE ENTIRE LENGTH OF STRUCTURE.
5. BOULDERS SHALL BE PLACED ON TOP OF HEADER LOG FOR ANCHORING. 1/3 OF THE WAY ACROSS THE CHANNEL FROM THE OUTSIDE BANK, THE HEADER ROCK SHALL BE PLACED AT THE CHANNEL INVERT ELEVATION. HEADER BOULDERS TO BE PLACED 0.25-FT. TO 0.50-FT. APART.
6. ROOT WAD SHALL BE PLACED BENEATH THE HEADER LOG AND PLACED SO THAT IT LOCKS THE HEADER LOG INTO THE BANK.
7. BACKFILL STRUCTURE WITH EXCAVATED ON-SITE STREAM ALLUVIUM (IF AVAILABLE), OTHERWISE USE A WELL GRADED MIX OF R-3, R-4, AND #57 STONE. A MIXTURE OF ALLUVIUM AND WELL GRADED MIX MAY ALSO BE USED FOR BACKFILL.
8. SOIL SHALL BE COMPACTED WELL AROUND BURIED PORTIONS OF LOG WHILE CREATING A SMALL POCKET BETWEEN THE HEADER LOG AND THE OUTSIDE BANK.
9. ALL MATERIALS ARE TO BE APPROVED BY ENGINEER OR ENGINEER'S ON-SITE CONSTRUCTION OBSERVER.
10. ITEMS IN THIS DETAIL ARE A GRAPHICAL ILLUSTRATION AND DO NOT SPECIFY THE ACTUAL QUANTITY OF MATERIALS (I.E. LOGS, BOULDERS, STONE, ETC.) TO BE USED FOR CONSTRUCTION.

LOG VANE AND ROOT WAD

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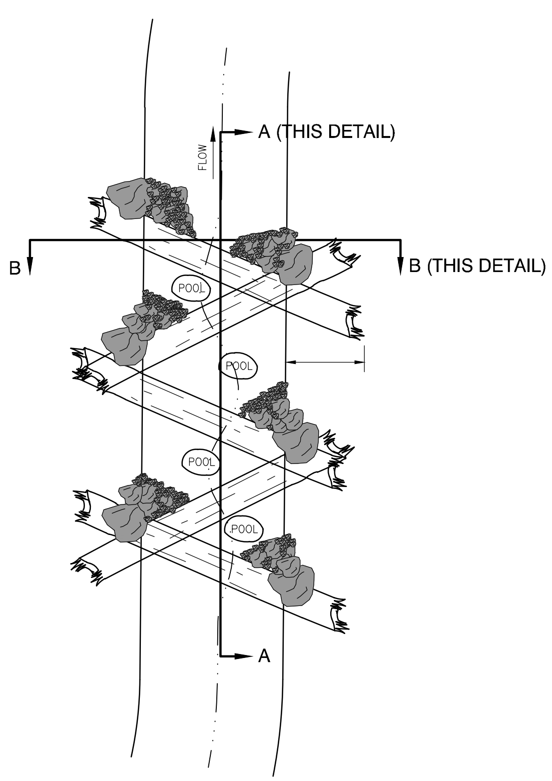
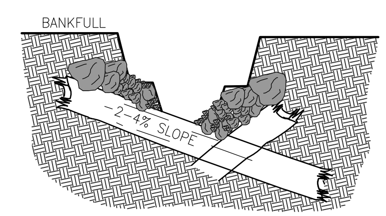
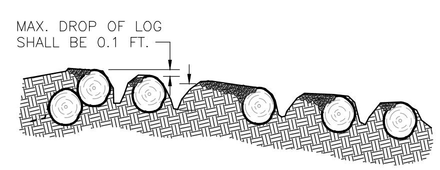




SECTION B-B

MIN. LOG DIA. (IN.)
12



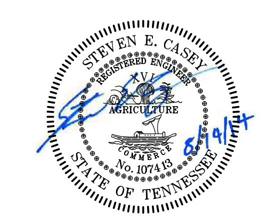
SECTION A-A

NOTES:

1. PLACE FABRIC ON THE UPSTREAM SIDE OF THE MOST UPSTREAM LOG SILL IN THE CONSTRUCTED RIFFLE.
2. BOULDERS SHALL BE USED TO ANCHOR LOGS UNLESS DIRECTED BY ON-SITE CONSTRUCTION MANAGER.
3. LOGS SILLS SHALL OVERLAP AND ANCHOR THE LOG SILL DIRECTLY UPSTREAM.
4. THE LOG SILLS SHALL ALL BE DESIGNED TO BE SUBMERGED OR COVERED AT LOW FLOWS.
5. THE MAX DROP FROM ONE MINI-VANE TO THE NEXT SHALL BE NO GREATER THAN 0.1 FT. THE TOTAL AMOUNT OF DROP OVER ALL MINI-VANES SHALL NOT EXCEED THE AMOUNT OF DROP IN THE RIFFLE SLOPE.
6. A MIXTURE OF SELECT MATERIAL AND CLASS A1 & B STONE WILL BE USED IN THE RIFFLES TO CHINK GAPS IN THE ANCHOR BOULDERS AS DIRECTED BY THE ENGINEER.
7. 700g COIR FIBER ECB MATTING SHALL BE USED IN LOW FLOW CHANNEL. THE MATTING SHALL BE INSTALLED ABOVE THE INNER-BERM STAGE. SEE TYPICAL CROSS-SECTION DATA FOR INNER-BERM INFORMATION.
8. ALL LOGS SHALL BE RELATIVELY STRAIGHT.
9. ALL MATERIALS ARE TO BE APPROVED BY ENGINEER OR ENGINEER'S ONSITE CONSTRUCTION MANAGER.

LOG RIFFLE

N.T.S.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

S.R. 15
(U.S. HWY 64)

BIGBEE BRANCH
STREAM RELOCATION
DETAILS

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