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SEE SHEET 1A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

ROBERTSON COUNTY

STATE ROUTE 65

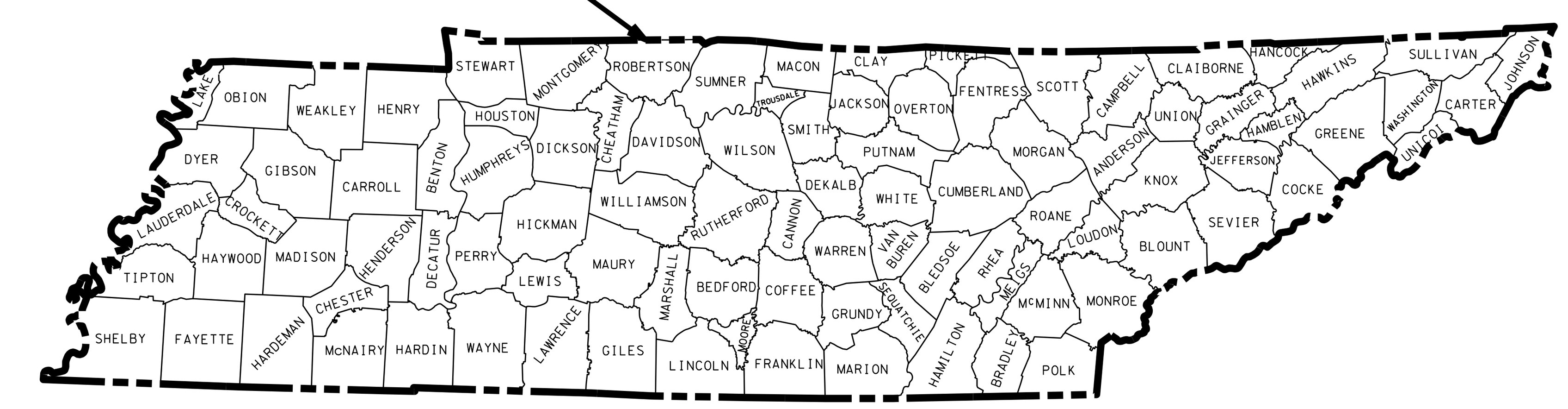
FROM SPRINGFIELD CITY LIMITS, NEAR WALLING ROAD
TO SR-11 (MEMORIAL BLVD. - US-41)

CONSTRUCTION

STATE HIGHWAY NO. 65   F.A.H.S. NO. 431

TENN.	YEAR	SHEET NO.
	2015	1
FED. AID PROJ. NO.	STP/NH/DEMO-65(8)	
STATE PROJ. NO.	74010-3233-14	

PROJECT LOCATION



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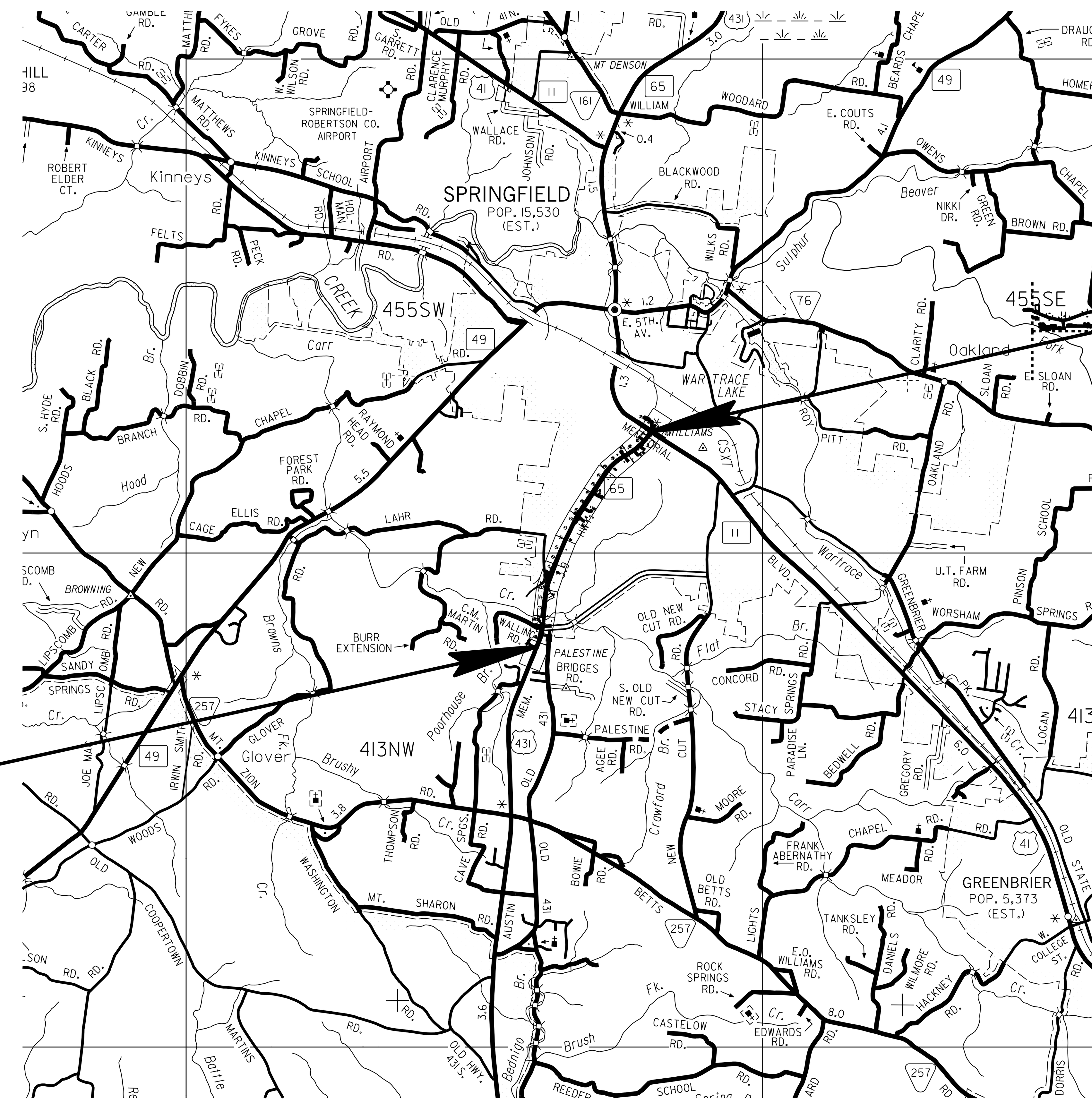

SCALE: 1"= 5280'

0 1MI 2MI 3MI

74010-3233-14
BEGIN PROJ. NO. STP/NH/DEMO-65(8) CONST.
STA. 31+00.00
N 776845.2401
E1705581.1635

74010-3233-14
END PROJ. NO. STP/NH/DEMO-65(8) CONST.
STA. 152+95.97
N 787287.4843
E 1711096.0223

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

ROADWAY LENGTH 2.273 MILES
BRIDGE LENGTH 0.036 MILES
PROJECT LENGTH 2.309 MILES

C.E. MANAGER 1 ROBERT BRAUN, P.E.

DESIGNER MONICA CROMER CHECKED BY WAYNE HALL/KHUZAIMA MAHDI, P.E.

P.E. NO. 74010-1228-14 (DESIGN)

PIN NO. 102239.00

UNOFFICIAL SET

NOT FOR BIDDING

NO EXCLUSIONS

NO EQUATIONS

TRAFFIC DATA	
ADT (2015)	16910
ADT (2035)	21980
DHV (2035)	2232
D	55 - 45
T (ADT)	7 %
T (DHV)	5 %
V	45 MPH

SURVEY DATE: AUGUST 2004
SURVEY UPDATE: AUGUST 2014

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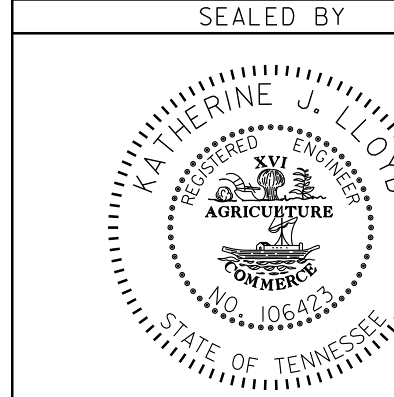

APPROVED: Paul D. Degges
PAUL D. DEGGES, CHIEF ENGINEER

DATE:

APPROVED:
JOHN SCHROER, COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR   DATE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	1A

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SHEET NAME	SHEET NO.
THERE WERE NO "O" SHEETS USED IN THIS SET OF PLANS.	

STANDARD ROADWAY DRAWINGS

DWG. NO	REV.	DESCRIPTION
ROADWAY DESIGN STANDARDS		
RD-A-1	12-18-99	STANDARD ABBREVIATIONS
RD-L-1	10-26-94	STANDARD LEGEND
RD-L-2	09-05-01	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-3	04-15-04	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-4	04-15-04	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-5	05-01-08	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	03-30-10	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-7	05-24-12	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-UD-3	09-05-96	UNDERDRAIN DETAILS
RD01-S-11	04-04-03	DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD01-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD01-SD-1		INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES
RD01-SD-2		INTERSECTION SIGHT DISTANCE LANDSCAPE AND OBSTRUCTION
RD01-SD-4		INTERSECTION SIGHT DISTANCE 5-LANE AND 4-LANE UNDIVIDED ROADWAYS
RD01-SE-2	10-15-02	URBAN SUPERELEVATION DETAILS
RD01-TS-1	10-15-02	DESIGN STANDARDS FOR LOCAL ROADS AND STREETS
RD01-TS-2	10-15-02	DESIGN STANDARDS FOR COLLECTOR ROADS AND STREETS
RD01-TS-3C	10-15-02	DESIGN STANDARDS 4 AND 6 LANE ARTERIAL HIGHWAYS WITH FLUSH MEDIANS
RD01-TS-6	07-31-13	TYPICAL CURB AND GUTTER SECTIONS WITH SHOULDER
RD01-TS-7	10-15-02	DESIGN STANDARDS 2-LANE HIGHWAY WITH CONTINUOUS 2-WAY LEFT-TURN LANE
RD01-TS-7A	10-15-02	DESIGN STANDARDS 2-LANE CURB & GUTTER WITH CONTINUOUS 2-WAY LEFT-TURN LANE
DRAINAGE - CULVERTS AND ENDWALL		
D-PB-1	01-02-13	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PB-2	01-29-14	STANDARD DETAILS FOR FLEXIBLE PIPE INSTALLATION
D-PB-3		INDUCED TRENCH SOIL EMBANKMENT FOR PIPE CULVERT INSTALLATION
D-PE-4	01-15-13	STRAIGHT CONCRETE ENDWALL
D-PE-18A	01-06-15	18" CONCRETE ENDWALL CROSS DRAIN
D-PE-18B		18" CONCRETE ENDWALL CROSS DRAIN
D-PE-24A	01-06-15	24" CONCRETE ENDWALL CROSS DRAIN
D-PE-24B		24" CONCRRETE ENDWALL CROSS DRAIN
D-PE-30A	01-06-15	30" CONCRRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE

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INDEX AND STANDARD DRAWINGS

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D-PE-30B		30" CONCRRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-36A	06-14-13	36" CONCRRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-36B		36" CONCRRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-48A	06-14-13	48" CONCRRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-48B		48" CONCRRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-99	11-01-13	PIPE GRATE & SKEWED CONNECTION DETAILS FOR "U" ENDWALLSCONCRRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PG-3	04-15-97	FERROUS AND ALUMINUM CORRUGATED METAL PIPE
D-PS-1	03-15-76	STRUTTING DETAILS FOR CORR. METAL & STRUCTURAL PLATE ROUND PIPE
D-SEW-1A	06-14-13	SIDE DRAIN CONCRETE ENDWALL WITH STEEL PIPE GRATE

DRAINAGE-CATCH BASINS AND MANHOLES

D-CB-25S	03-11-14	STANDARD RECTANGULAR CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25SB	03-11-14	STANDARD 4' X 4' SQUARE CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-26S	03-11-14	STANDARD RECTANGULAR CONCRETE NO. 26 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-27S	03-11-14	STANDARD RECTANGULAR CONCRETE NO. 27 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-42S	08-01-12	STANDARD 32" X 32" SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-42SB	03-11-14	STANDARD 4' X 4' SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-99	05-20-14	MISCELLANEOUS DETAILS FOR RECTANGULAR STRUCTURES
D-CB-99R	03-11-14	MISCELLANEOUS DETAILS FOR ROUND STRUCTURES
D-CB-99RA	03-19-14	BILL OF STEEL FOR ROUND CATCH BASIN LIDS
D-CB-99RB		ROUND JUNCTION BOX AND SPRING DRAIN BOX
D-CBB-12B	05-27-01	TYPE "B" CAST IRON FRAME, GRATE & 6" MOUNTABLE INLET DETAILS FOR NOS. 25, 26 & 27 TYPE CATCH BASINS
D-CBB-42	05-27-01	CAST IRON GRATE DETAILS FOR NOS. 42, 43 & 44 TYPE CATCH BASINS
D-JBS-2	08-01-12	STANDARD 4' X 4' SQUARE CONCRETE NO. 2 JUNCTION BOX
D-RF-1		STANDARD PRECAST RISER

ROADWAY AND PAVEMENT APPURTENANCES

RP-D-15	07-15-08	DETAILS OF STANDARD CONCRETE DRIVEWAYS
RP-D-16	07-15-08	DETAILS OF LOWERED STANDARD CONCRETE DRIVEWAYS
RP-H-3	01-30-15	CURB RAMP AND TRUNCATED DOME SURFACE DETAIL
RP-H-4	01-30-15	PERPENDICULAR CURB RAMP
RP-H-5	01-30-15	PARALLEL CURB RAMP
RP-H-7	01-30-15	PERPENDICULAR CURB RAMP IN CURVE
RP-H-8	06-04-13	PERPENDICULAR CURB RAMP TYPE 2
RP-H-9	01-30-15	PARALLEL CURB RAMP IN CURVE
RP-I-5	12-18-96	EXAMPLES OF STREET AND ALLEY INTERSECTIONS
RP-MC-2	02-28-02	STANDARD 6" SLOPING (MOUNTABLE) CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS
RP-R-1	05-27-01	STANDARD RAMPS TO SIDE ROADS
RP-S-7	06-04-13	DETAILS FOR STANDARD CONCRETE SIDEWALKS

SAFETY APPURTENANCES AND FENCE

S-F-1	05-24-12	HIGH VISIBILITY FENCE
S-CZ-1		CLEAR ZONE CRITERIA
S-GR31-1	12-01-14	W-BEAM GUARDRAIL
S-GRC-1		GUARDRAIL CONNECTION TO BRIDGE ENDS OR BARRIER WALL
S-GRT-2	11-03-14	TYPE 38 GUARDRAIL TERMINAL
S-GRT-2P		EARTH PAD FOR TYPE 38 TERMINAL
S-GRT-4	11-06-14	TYPE 13 GUARDRAIL TERMINAL (TRAILING END)
S-GRA-3		GUARDRAIL ANCHOR FOR TYPE 21, 13, AND IN-LINE TERMINALS
S-PL-1	02-02-15	SAFETY PLAN AT ROADSIDE HAZARDS
S-PL-2		SAFETY PLAN AT SIDE ROADS OR PRIVATE DRIVES
S-PL-3		SAFETY PLAN: MINIMUM INSTALLATION AT BRIDGE ENDS
S-PL-6	12-01-14	SAFETY PLAN: SAFETY HARDWARE PLACEMENT
S-RP-2	01-19-99	STANDARD CONCRETE RIGHT-OF-WAY MARKERS

TRAFFIC CONTROL APPURTENANCES

T-FAB-1	05-27-97	FLASHING YELLOW ARROW BOARD
T-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 FOUNDATION DETAILS
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	07-24-14	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	07-24-14	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	07-24-14	MARKING STANDARDS FOR TRAFFIC ISLANDS, MEDIANS & PAVED SHOULDERS ON CONVENTIONAL ROADS
T-M-4	07-24-14	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-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-M-15A	11-01-11	ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR NON-ACCESS CONTROLLED ROUTES
T-PBR-1	06-30-09	INTERCONNECTED PORTABLE BARRIER RAIL
T-PBR-2	11-01-11	DETAIL FOR VERTICAL PANELS AND FLEXIBLE DELINEATORS
T-S-10	04-04-12	STANDARD MOUNTING DETAILS FLAT SHEET SIGNS ALUMINUM-STEEL DESIGN
T-S-16	12-01-14	GROUND MOUNTED ROADSIDE SIGN AND DETAILS
T-S-17	12-01-14	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 STEEL SIGN SUPPORTS
T-S-20	11-01-11	SIGN DETAILS
T-S-23A	07-19-13	MULTI-DIRECTIONAL SLIP BASE BREAKAWAY SQUARE TUBE SIGN SUPPORT
T-SG-2	07-29-04	LOOP LEAD-INS, CONDUIT AND PULL BOXES
T-SG-3	11-11-04	STANDARD NOTES AND DETAILS OF INDUCTIVE LOOPS
T-SG-5	12-04-13	CONTROLLER CABINET DETAILS
T-SG-7	11-01-11	SIGNAL HEAD ASSEMBLIES AND PEDESTRIAN PUSH BUTTON SIGNS
T-SG-7A	11-01-11	TYPICAL SIGNAL HEAD PLACEMENT
T-SG-9	12-04-13	DETAILS OF CANTILEVER SIGNAL SUPPORT
T-SG-9A	05-01-14	MISCELLANEOUS SIGNAL DETAILS
T-SG-10	06-11-14	MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILS
T-SG-11	07-08-14	MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTION
T-SG-12	11-01-11	TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS
T-SG-13	06-01-09	FLASHING BEACON DETAIL
T-WZ-18	03-13-09	SHOULDER CLOSURE DETAIL FOR FREEWAYS AND DIVIDED HIGHWAYS
T-WZ-21	03-15-11	LANE CLOSURE WITH LEFT HAND MERGE AND LANE SHIFT
T-WZ-31	09-01-05	TRAFFIC CONTROL 2-LANE, 2-WAY DIVERSION (GREATER THAN 40 MPH)
T-WZ-36	04-02-12	LANE CLOSURE ON LOW-VOLUME 2-LANE HIGHWAY
T-WZ-40	04-02-12	RIGHT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-41	04-02-12	LEFT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-42	04-02-12	CENTER LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-55	06-30-14	SIDEWALK TRAFFIC CONTROL

EROSION PREVENTION AND SEDIMENT CONTROL

EC-STR-2	08-01-12	SEDIMENT FILTER BAG
EC-STR-3B	08-01-12	SILT FENCE
EC-STR-3C	08-01-12	SILT FENCE WITH WIRE BACKING
EC-STR-3E	04-01-08	SILT FENCE FABRIC JOINING DETAILS
EC-STR-6	08-01-12	ROCK CHECK DAM
EC-STR-6A	08-01-12	ENHANCED ROCK CHECK DAM
EC-STR-11	08-01-12	CULVERT PROCTECTION TYPE 1
EC-STR-11A	08-01-12	CULVERT PROCTECTION TYPE 2
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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	1A1

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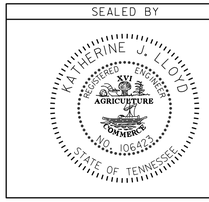

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EC-STR-34	08-01-12	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION
EC-STR-37	06-10-14	SEDIMENT TUBE
EC-STR-39	08-01-12	CURB INLET PROTECTION TYPE 1 & 2
EC-STR-41		CATCH BASIN FILTER ASSEMBLY (TYPE 1)
EC-STR-41A		CATCH BASIN FILTER ASSEMBLY (TYPE 1) SLIPCOVER DETAILS
EC-STR-42		CATCH BASIN FILTER ASSEMBLY (TYPE 2)
EC-STR-42A		CATCH BASIN FILTER ASSEMBLY (TYPE 2) SLIPCOVER DETAILS
EC-STR-46		CATCH BASIN FILTER ASSEMBLY (TYPE 6)
EC-STR-46A		CATCH BASIN FILTER ASSEMBLY (TYPE 6) SLIPCOVER DETAILS
EC-STR-47		CATCH BASIN FILTER ASSEMBLY (TYPE 7)
EC-STR-47A		CATCH BASIN FILTER ASSEMBLY (TYPE 7) SLIPCOVER DETAILS
EC-STR-48		CATCH BASIN FILTER ASSEMBLY (TYPE 8)
EC-STR-48A		CATCH BASIN FILTER ASSEMBLY (TYPE 8) SLIPCOVER DETAILS
EL-W-2	05-27-01	STANDARD GRAVITY-TYPE RETAINING WALLS

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	1A2

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	1B

PROJECT COMMITMENTS

COMMITMENT ID	SOURCE DIVISON	DESCRIPTION	STA. / LOCATION
EDHZ001	Environmental Division, Hazardous Materials	An Asbestos Containing Material (ACM) Survey was conducted on Br # 74SR0650003, SR-65 Bridge over Carr Creek, LM 5.46 (74-65-5.46). No ACM was detected. No special accommodations for demolition and waste disposal are anticipated for this bridge 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.	Bridge over Carr Creek, LM 5.46

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PROJECT COMMITMENTS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	2A

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	201-01	CLEARING AND GRUBBING	LS	1
1	202-02.01	REMOVAL OF PIPE (18" SIZE ,STA.138+16.96)	L.F.	209
	202-08.10	REMOVAL OF CURB (PVT DR, SIDE ROADS)	L.F.	3776
	202-08.15	REMOVAL OF CURB AND GUTTER (PVT DR, SIDE ROADS, SR 11)	L.F.	3342
2	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	63088
	203-02.02	BORROW EXCAVATION (GRADED SOLID ROCK)	C.Y.	3000
	203-03	BORROW EXCAVATION (UNCLASSIFIED)	C.Y.	55062
3	203-06	WATER	M.G.	9126
	209-02.07	18" TEMPORARY SLOPE DRAIN	L.F.	1168
4	209-05	SEDIMENT REMOVAL	C.Y.	2388
	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	13150
5	209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	30500
	209-08.07	ROCK CHECK DAM	EACH	72
	209-08.08	ENHANCED ROCK CHECK DAM	EACH	18
6	209-09.03	SEDIMENT FILTER BAG (15' X 15')	EACH	2
	209-09.41	CURB INLET PROTECTION (TYPE 2)	EACH	104
	209-40.30	CATCH BASIN PROTECTION (TYPE A)	EACH	4
	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	116
	209-40.41	CATCH BASIN FILTER ASSEMBLY(TYPE 1)	EACH	15
	209-40.42	CATCH BASIN FILTER ASSEMBLY(TYPE 2)	EACH	12
	209-40.46	CATCH BASIN FILTER ASSEMBLY(TYPE 6)	EACH	89
	209-40.47	CATCH BASIN FILTER ASSEMBLY(TYPE 7)	EACH	2
	209-40.48	CATCH BASIN FILTER ASSEMBLY(TYPE 8)	EACH	2
7	303-01.03	GRANULAR BACKFILL (RETAINING WALLS)	TON	19
8	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	86562
4	303-10.01	MINERAL AGGREGATE (SIZE 57)(EROSION CONTROL)	TON	216
7	303-10.03	MINERAL AGGREGATE (SIZE 68)	TON	28
	307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	829
	307-01.02	ASPHALT CEMENT (PG64-22) (BPMB-HM) GRADING A-S	TON	6
	307-01.03	AGGREGATE (BPMB-HM) GRADING A-S MIX	TON	132
	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	1319
	307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	22406
	307-02.02	ASPHALT CEMENT (PG70-22)(BPMB-HM) GRADING A-S	TON	477
	307-02.03	AGGREGATE (BPMB-HM) GRADING A-S MIX	TON	13261
	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	12253
	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	191
	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	731
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	114
	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER	TON	185
	411-01.10	ACS MIX(PG64-22) GRADING D	TON	791
	411-02.10	ACS MIX(PG70-22) GRADING D	TON	7184
	411-12.02	SCORING SHOULDERS (NON-CONTINUOUS) (16IN WIDTH)	L.M.	5
9	415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	9817
7	604-01.01	CLASS A CONCRETE (ROADWAY)	C.Y.	26
10	604-10.67	CONCRETE REPAIRS (SR 11 EXISTING SIDEWALK)	L.F.	200

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	607-03.30	18" PIPE CULVERT	L.F.	14045
	607-05.30	24" PIPE CULVERT	L.F.	3202
	607-06.30	30" PIPE CULVERT	L.F.	50
	607-07.30	36" PIPE CULVERT	L.F.	3145
	607-09.30	48" PIPE CULVERT	L.F.	20
	607-37.30	12" CORRUGATED METAL PIPE CULVERT (HOGAN DR.)	L.F.	10
	607-39.02	18" PIPE CULVERT (SIDE DRAIN)	L.F.	443
	611-02.11	JUNCTION BOX, TYPE 2	EACH	11
	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	3
	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB.	90
	611-07.54	18IN ENDWALL (CROSS DRAIN) 3:1	EACH	1
	611-07.56	18IN ENDWALL (CROSS DRAIN) 6:1	EACH	1
	611-07.57	24IN ENDWALL (CROSS DRAIN) 3:1	EACH	2
	611-07.59	24IN ENDWALL (CROSS DRAIN) 6:1	EACH	2
	611-07.62	30IN ENDWALL (CROSS DRAIN) 6:1	EACH	1
	611-07.63	36IN ENDWALL (CROSS DRAIN) 3:1	EACH	1
	611-07.70	48IN ENDWALL (CROSS DRAIN) 4:1	EACH	1
11	611-25.01	CATCH BASINS, TYPE 25, 0' - 4' DEPTH	EACH	2
	611-25.02	CATCH BASINS, TYPE 25, > 4' - 8' DEPTH	EACH	76
	611-25.03	CATCH BASINS, TYPE 25, > 8' - 12' DEPTH	EACH	13
	611-25.04	CATCH BASINS, TYPE 25, > 12' - 16' DEPTH	EACH	7
	611-25.05	CATCH BASINS, TYPE 25, > 16' - 20' DEPTH	EACH	1
	611-26.02	CATCH BASINS, TYPE 26, > 4' - 8' DEPTH	EACH	1
	611-26.03	CATCH BASINS, TYPE 26, > 8' - 12' DEPTH	EACH	1
	611-27.02	CATCH BASINS, TYPE 27, > 4' - 8' DEPTH	EACH	2
	611-42.02	CATCH BASINS, TYPE 42, > 4' - 8' DEPTH	EACH	15
	611-42.05	CATCH BASINS, TYPE 42, > 16' - 20' DEPTH	EACH	1
	701-01.01	CONCRETE SIDEWALK (4 ")	S.F.	105482
	701-02.03	CONCRETE CURB RAMP	S.F.	3372
	702-01	CONCRETE CURB (SIDE ROADS & PVT. DR.)	C.Y.	167
	702-03	CONCRETE COMBINED CURB & GUTTER (RP-MC-2 TYPE 6-33)	C.Y.	1910
	705-01.01	GUARDRAIL AT BRIDGE ENDS	L.F.	108
	705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	3846
	705-04.03	GUARDRAIL TERMINAL (TYPE 13)	EACH	1
	705-04.05	GUARDRAIL TERMINAL (TYPE-IN-LINE)	EACH	2
	705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	13
	705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	3
	706-01	GUARDRAIL REMOVED	L.F.	3116
12	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	1030
	708-02.01	MARKERS (CONCRETE R.O.W. POSTS)	EACH	11
13	709-05.05	MACHINED RIP-RAP (CLASS A-3)(EROSION CONTROL)	TON	102
4	709-05.06	MACHINED RIP-RAP (CLASS A-1)(EROSION CONTROL)	TON	740
14	709-05.08	MACHINED RIP-RAP (CLASS B)	TON	20
15	709-05.09	MACHINED RIP-RAP (CLASS C)	TON	20
	710-02	AGGREGATE UNDERDRAINS (WITH PIPE)	L.F.	9364
	710-04	FILTER CLOTH UNDERDRAIN (WITH PIPE)	L.F.	8669

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ESTIMATED ROADWAY QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	2A1

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	712-01	TRAFFIC CONTROL	LS	1
12	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	1000
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	400
12	712-04.50	PORTABLE BARRIER RAIL DELINEATOR	EACH	10
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	200
	712-05.03	WARNING LIGHTS (TYPE C)	EACH	50
	712-06	SIGNS (CONSTRUCTION)	S.F.	522
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	190
12	712-08.03	ARROW BOARD (TYPE C)	EACH	3
	713-01.10	SIGNING	LS	1
	713-11.01	"U" SECTION STEEL POSTS	LB.	1213
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	1967
	713-11.21	P POST SLIP BASE	EACH	6
	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	385
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	333
16	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	4
	716-01.05	TEMPORARY RAISED PAVEMENT MARKER	EACH	170
	716-01.21	SNWPLWBLE PVMT MRKRS (BI-DIR)(1 COLOR)	EACH	310
	716-01.22	SNWPLWBLE PVMT MRKRS (MONO-DIR)(1 COLOR)	EACH	350
	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	902
	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	64
	716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	1730
	716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	13
	716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	8
	716-04.11	PLASTIC PAVEMENT MARKING (BICYCLE SYMBOL W/RIDER)	EACH	22
	716-04.13	PLASTIC PAVEMENT MARKING(BIKELANE ARROW)	EACH	22
17	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	16
18	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	15
	717-01	MOBILIZATION	LS	1
4	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	1357
	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	3800
12	740-11.02	TEMPORARY SEDIMENT TUBE 12IN (EROSION CONTROL)	L.F.	500
4	740-11.04	TEMPORARY SEDIMENT TUBE 20IN (EROSION CONTROL)	L.F.	5467
	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	2282
19	801-02.08	TEMPORARY SEEDING (WITHOUT MULCH)	UNIT	50
20	801-03	WATER (SEEDING & SODDING)	M.G.	1507
12	801-06.01	COMPOSTED MULCH (TYPE A)	UNIT	25
	803-01	SODDING (NEW SOD)	S.Y.	126786
21	805-12.01	EROSION CONTROL BLANKET (TYPE I)	S.Y.	5556
22	806-02.03	PROJECT MOWING	CYCL	6

1. SR 65 - 18" PIPE AT STA. 138+16.96, NICKLAUS DR. - 12" PIPE AT STA. 20+42.02, EAST 22ND ST. - 18" PIPE AT STA. 40+43.22.
2. 2855 TON TO BE USED ON EROSION CONTROL MEASURES. SEE SHEET 31B FOR DETAILS.
3. QUANTITY TAKES INTO ACCOUNT DUST CONTROL & MULTIPLIED BY A FACTOR OF 6. 1260 MG TO BE USED ON EMBANKMENT.
4. TO BE USED ON EROSION CONTROL MEASURES. SEE SHEET 31B FOR DETAILS.
5. QUANTITY TAKES INTO ACCOUNT THE LIFE SPAN OF THE SILT FENCE & MULTIPLIED BY A FACTOR OF 2.
6. SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.
7. TO BE USED FOR PROPOSED CONCRETE GRAVITY RETAINING WALL.
8. 2000 TON TO BE USED FOR MAINTENANCE PURPOSES.
9. TO BE USED FOR MEMORIAL BLVD. (SR-11). SEE SHEET 2H FOR LIMITS.
   TO BE USED ON PARK PLAZA DR. FROM STA. 8+30 TO STA. 9+00.
   TO BE USED ON BATSON PARKWAY FROM STA. 51+00 TO STA. 51+50.
   TO BE USED ON MEADOWBROOK DRIVE FROM STA. 60+00 TO STA. 60+86.01.
   A DEPTH OF 1.25" TO BE USED.
10. PRICE TO INCLUDE REMOVAL OF EXISTING CONCRETE AND REPLACE IN KIND. AREAS TO BE REPAIRED TO BE DETERMINED BY THE ENGINEER.
11. REFER TO STD. DWGS. D-CBB-12B FOR CAST IRON GRATE DETAILS.
12. TO BE USED WHERE AND AS DIRECTED BY THE ENGINEER, UNLESS SHOWN ON PLANS.
13. TO BE USED ON TEMPORARY CONSTRUCTION EXIT.
14. 8 TON TO BE USED AS OUTLET PROTECTION AT STA 107+41.11. THE REMAINDER TO BE USED WHERE AND AS DIRECTED BY THE ENGINEER.
15. 15 TON TO BE USED AS OUTLET PROTECTION AT STA 113+15.37. THE REMAINDER TO BE USED WHERE AND AS DIRECTED BY THE ENGINEER.
16. REMOVE SIGN & SUPPORT (NO FOOTINGS ON THESE SIGNS) ON APPROXIMATELY 45 SIGNS WITHIN THE GRADING LIMITS OR AS DIRECTED BY THE ENGINEER.
17. USED FOR TEMPORARY STRIPING.
18. THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
19. TO BE USED WITH ITEM NO. 805-12.01.
20. INCLUDES 10 THOUSAND GALLONS FOR EROSION PREVENTION AND SEDIMENT CONTROL.
21. TO BE USED IF SOD IS NOT AVAILABLE WHEN SLOPE IS FINISHED. ESPECIALLY IN SENSITIVE AREAS.
22. ITEM INCLUDES LITTER AND TRASH REMOVAL. THIS WORK WILL NOT BE MEASURED AND PAID FOR DIRECTLY BUT WILL BE INCLUDED IN THE COST OF ITEM NO.806-20.03, PROJECT MOWING, CYCL.

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DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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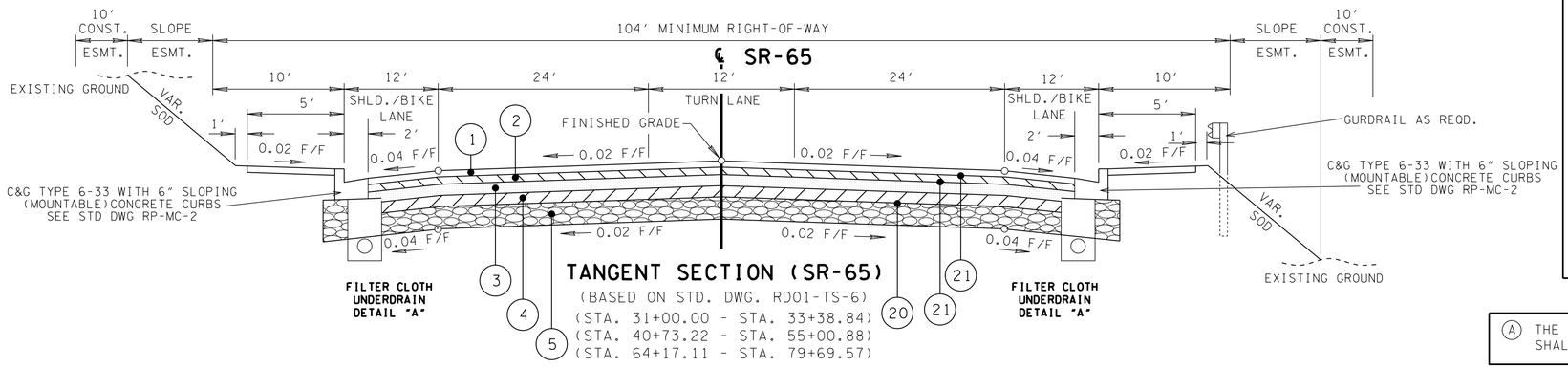
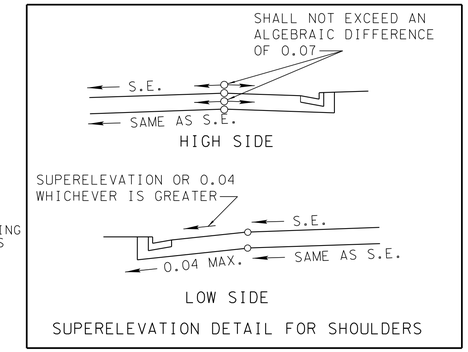
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	STP/NH/DEMO-65(8)	2
CONST	2015	STP/NH/DEMO-65(8)	2D

NOTE: SEE PROPOSED LAYOUT SHEETS FOR CURB & GUTTER LIMITS.

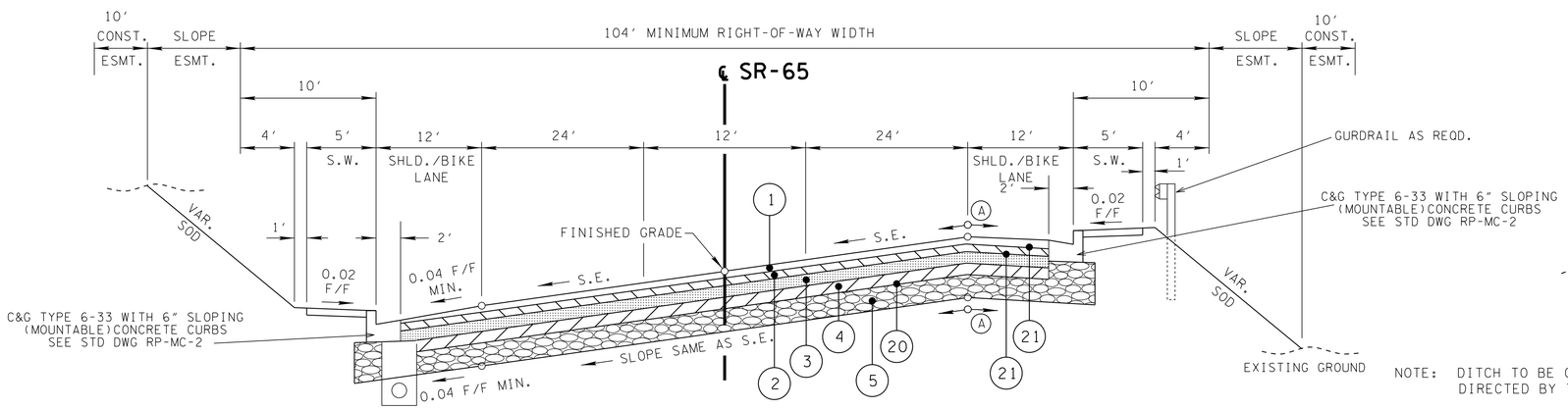


TANGENT SECTION (SR-65)
(BASED ON STD. DWG. RD01-TS-6)
(STA. 31+00.00 - STA. 33+38.84)
(STA. 40+73.22 - STA. 55+00.88)
(STA. 64+17.11 - STA. 79+69.57)
**FOR STA. 31+00 TO STA. 40+00
USE TYPICAL RD01-TS-3C WITH 5-12' LANES



SUPERELEVATION DETAIL FOR SHOULDERS

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

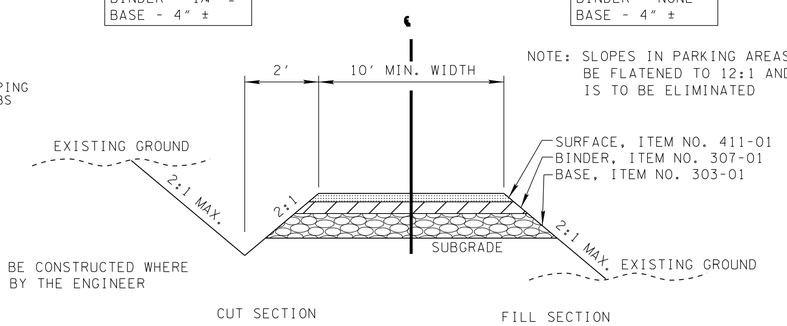


SUPERELEVATED SECTION (SR-65)
(BASED ON STD. DWG. RD01-TS-6)
(STA. 33+38.84 - STA. 40+73.22)
(STA. 55+00.88 - STA. 64+17.11)
(STA. 79+69.57 - STA. 87+00.00)

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

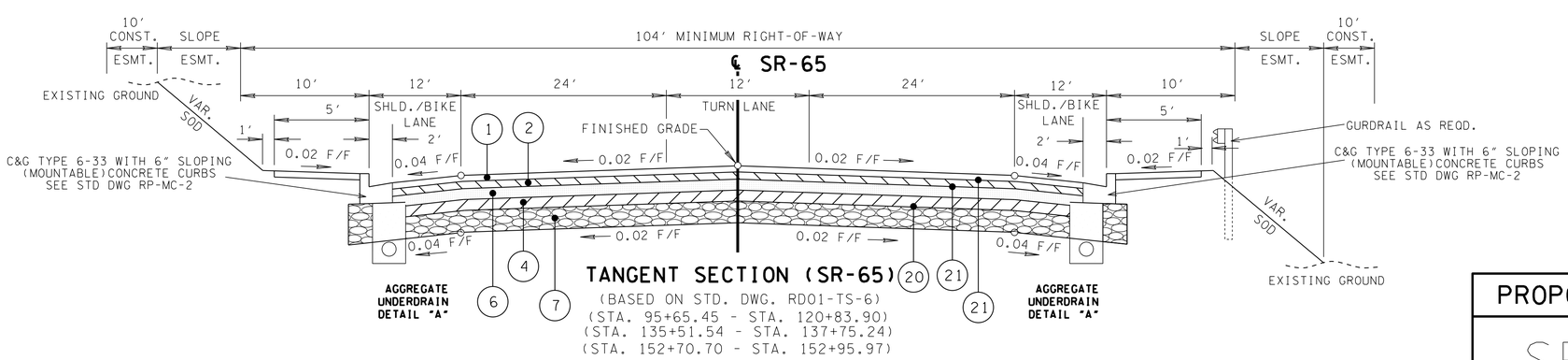
FIELD OR RESIDENTIAL
SURFACE - 1½" ±
BINDER - NONE
BASE - 4" ±

NOTE: SLOPES IN PARKING AREAS SHALL BE FLATENED TO 12:1 AND DITCH IS TO BE ELIMINATED



NOTE: DITCH TO BE CONSTRUCTED WHERE DIRECTED BY THE ENGINEER

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



TANGENT SECTION (SR-65)
(BASED ON STD. DWG. RD01-TS-6)
(STA. 95+65.45 - STA. 120+83.90)
(STA. 135+51.54 - STA. 137+75.24)
(STA. 152+70.70 - STA. 152+95.97)

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PROPOSED PAVEMENT SCHEDULE
SEE SHEET 2H

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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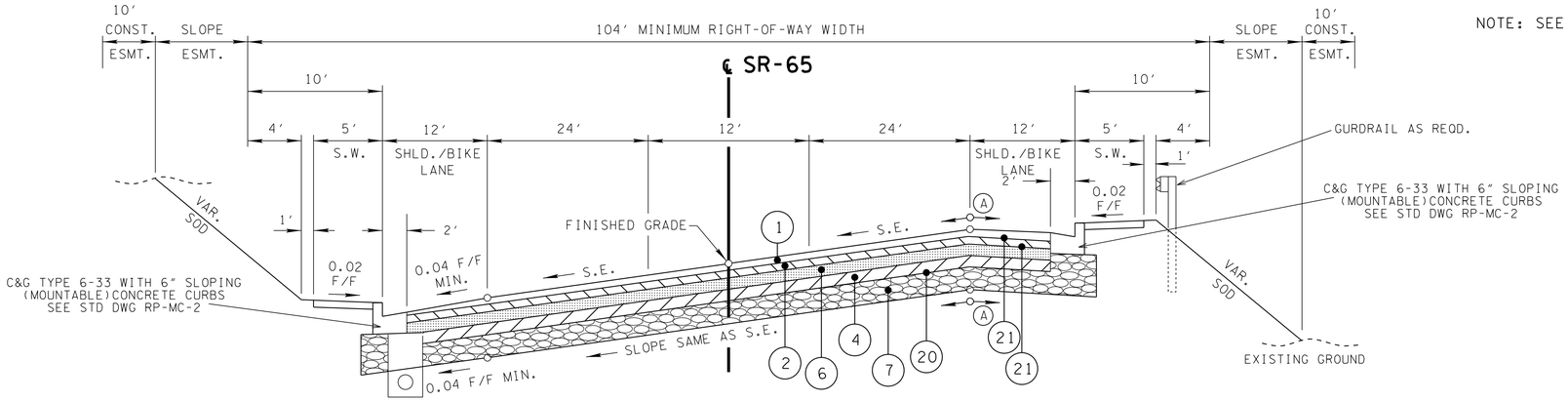
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	STP/NH/DEMO-65(8)	2A
CONST	2015	STP/NH/DEMO-65(8)	2E

NOTE: SEE PROPOSED LAYOUT SHEETS FOR CURB & GUTTER LIMITS.

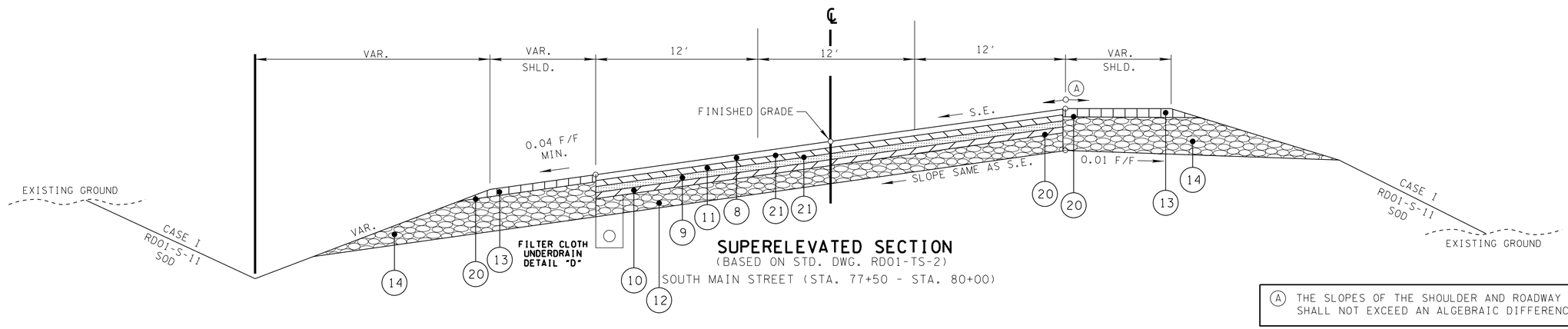


AGGREGATE UNDERDRAIN DETAIL "A"

SUPERELEVATED SECTION (SR-65)

(BASED ON STD. DWG. RD01-TS-6)
(STA. 87+00.00 - STA. 95+65.45)
(STA. 120+83.90 - STA. 135+51.54)
(STA. 137+75.24 - STA. 152+70.70)

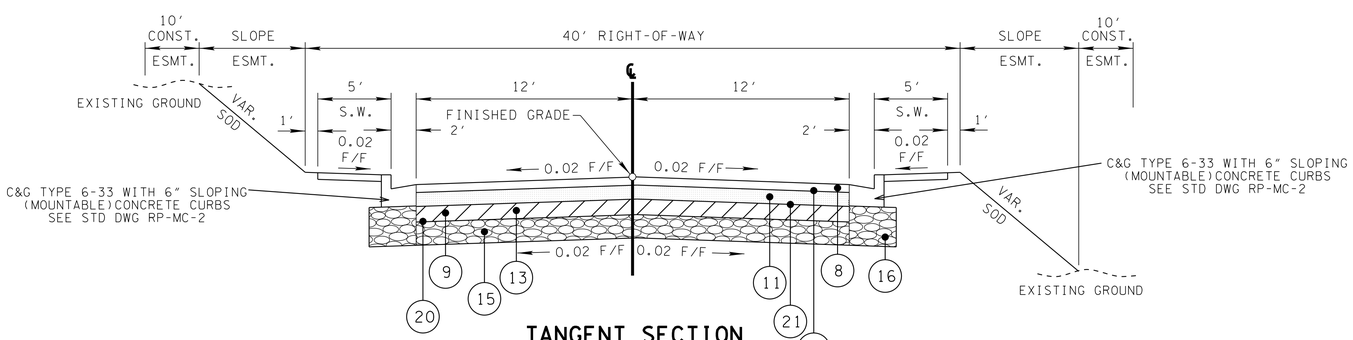
(A) THE SLOPES OF THE SHOULDER AND ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 0.07.



SUPERELEVATED SECTION

(BASED ON STD. DWG. RD01-TS-2)
SOUTH MAIN STREET (STA. 77+50 - STA. 80+00)

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



TANGENT SECTION

(BASED ON STD. DWG. RD01-TS-6)
ANNEX DRIVE (STA. 58+50 - STA. 60+00)

PROPOSED PAVEMENT SCHEDULE
SEE SHEET 2H

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TYPICAL SECTIONS

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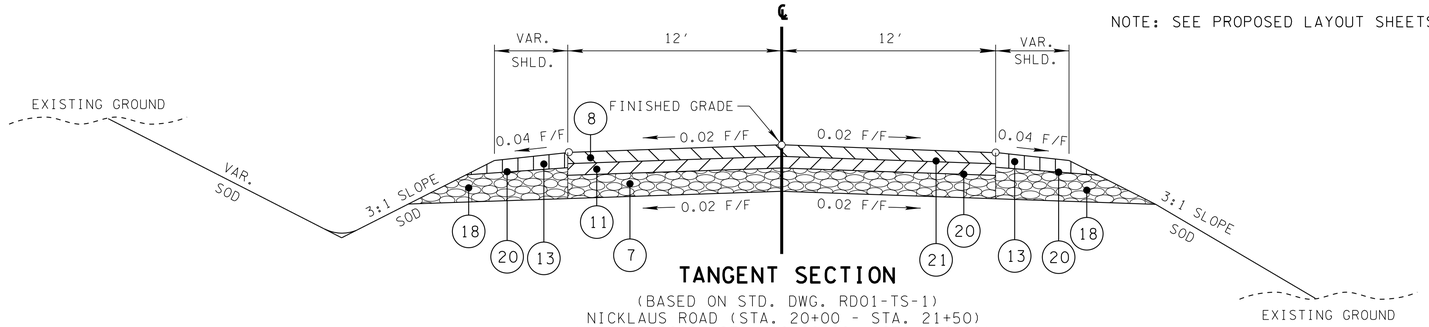
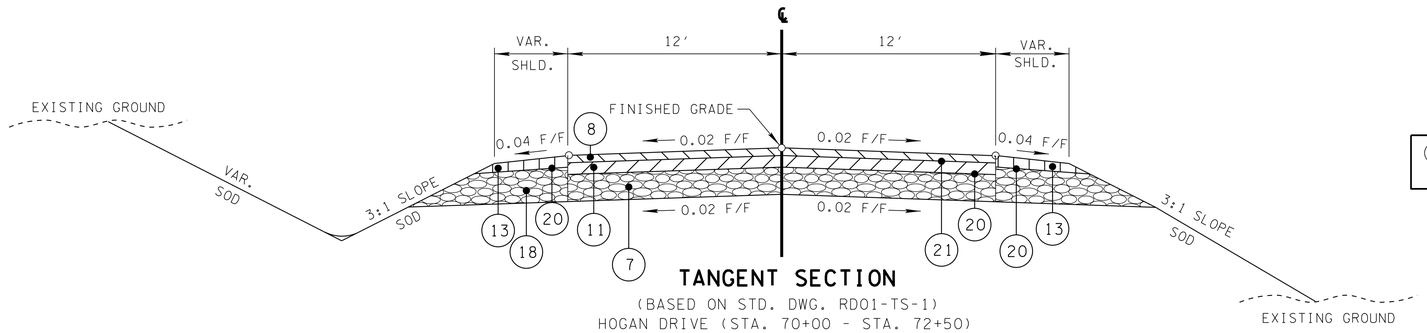
DESIGN DIVISION
FILE NO.

NOTE: SEE PROPOSED LAYOUT SHEETS FOR CURB & GUTTER LIMITS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	STP/NH/DEMO-65(8)	2B
CONST	2015	STP/NH/DEMO-65(8)	2F

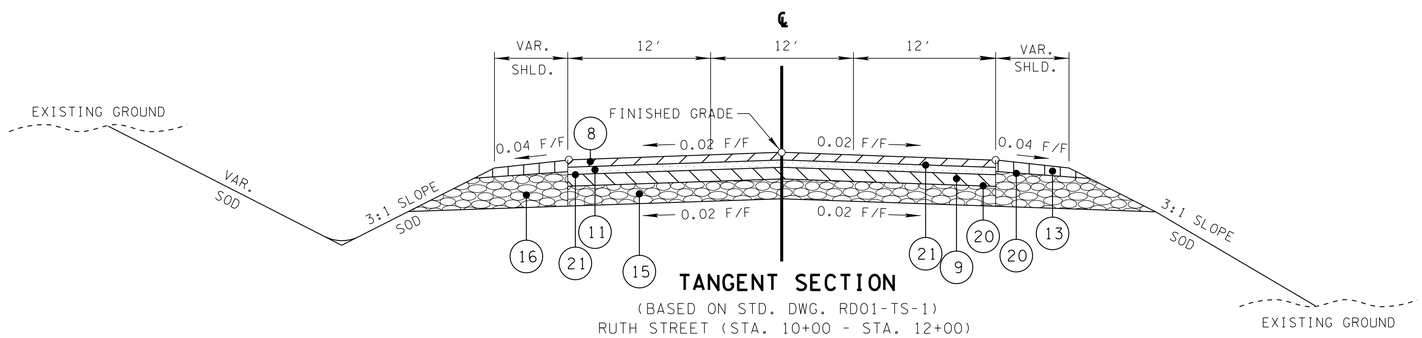


TANGENT SECTION
(BASED ON STD. DWG. RD01-TS-1)
NICKLAUS ROAD (STA. 20+00 - STA. 21+50)
WALLING ROAD (STA. 10+00.00 - STA. 14+00)

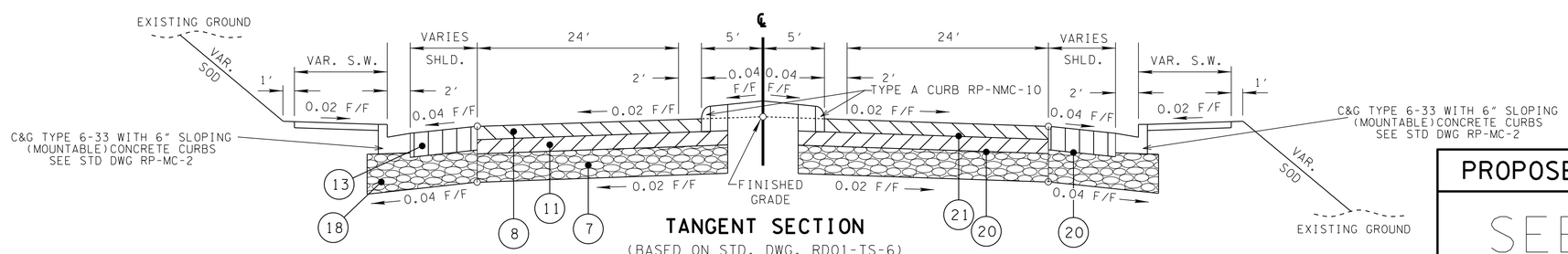


TANGENT SECTION
(BASED ON STD. DWG. RD01-TS-1)
HOGAN DRIVE (STA. 70+00 - STA. 72+50)

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



TANGENT SECTION
(BASED ON STD. DWG. RD01-TS-1)
RUTH STREET (STA. 10+00 - STA. 12+00)



TANGENT SECTION
(BASED ON STD. DWG. RD01-TS-6)
BATSON PARKWAY (STA. 50+00 - STA. 51+50)
* ELIMINATE SHOULDER DESIGN FOR CURB & GUTTER SECTION

PROPOSED PAVEMENT SCHEDULE
SEE SHEET 2H

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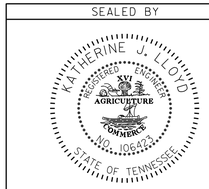

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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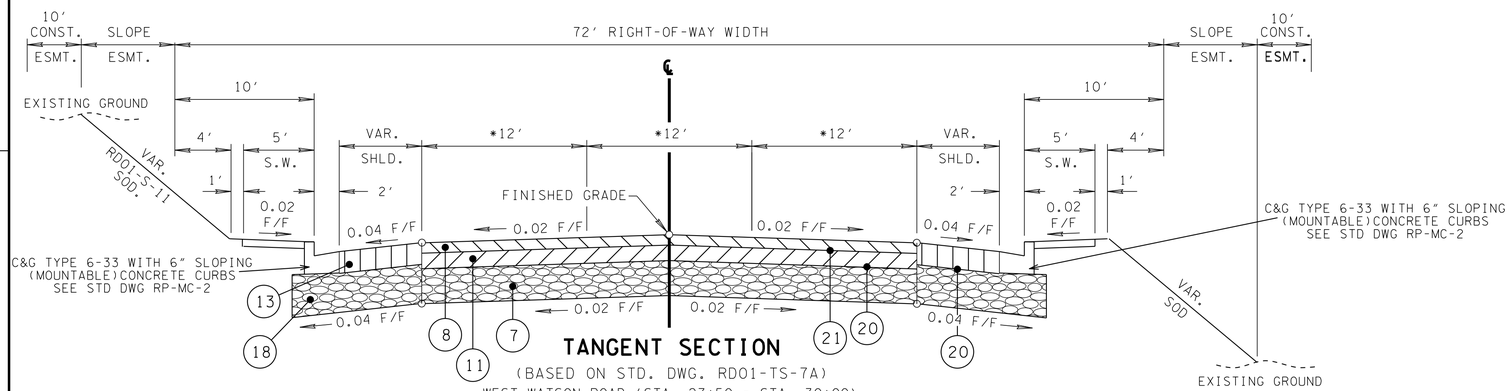
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

NOTE: SEE PROPOSED LAYOUT SHEETS FOR CURB & GUTTER LIMITS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	2G



TANGENT SECTION

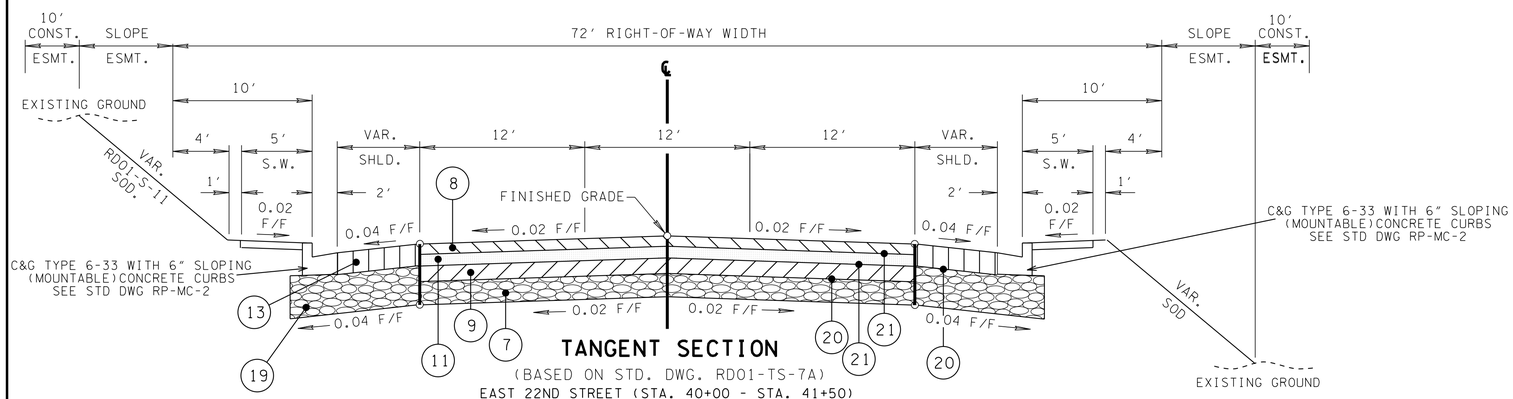
(BASED ON STD. DWG. RD01-TS-7A)

WEST WATSON ROAD (STA. 27+50 - STA. 30+00)

EAST WATSON ROAD (STA. 30+00 - STA. 31+50)

* PARK PLAZA DRIVE- 11' LANES (STA. 7+00 - STA. 9+00)

NOTE: ELIMINATE SHOULDER DESIGN FOR CURB & GUTTER SECTION.



TANGENT SECTION

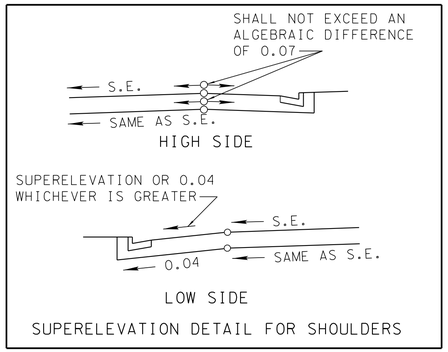
(BASED ON STD. DWG. RD01-TS-7A)

EAST 22ND STREET (STA. 40+00 - STA. 41+50)

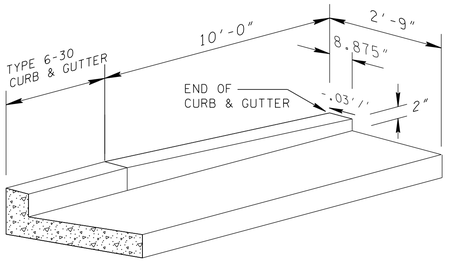
WEST 22ND STREET (STA. 38+75 - STA. 40+00)

WAL-MART ENTRANCE

* ELIMINATE SHOULDER DESIGN FOR CURB & GUTTER SECTION.



SUPERELEVATION DETAIL FOR SHOULDERS



TYPE 6-33 CURB & GUTTER TRANSITION DETAIL

THIS DETAIL SHALL APPLY TO THE LAST 10' OF ALL ENDING SECTIONS OF TYPE 6-33 CURB & GUTTER

SEALED BY

PROPOSED PAVEMENT SCHEDULE
SEE SHEET 2H

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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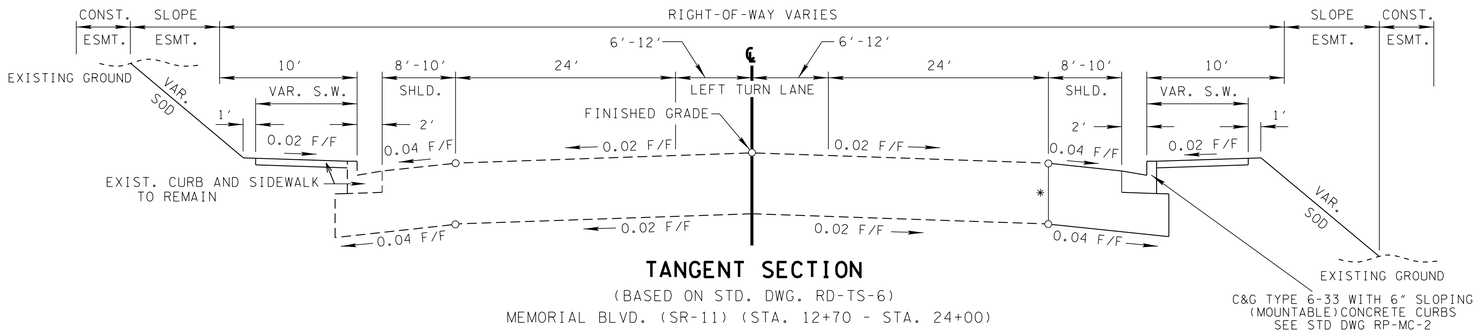
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

NOTE: SEE PROPOSED LAYOUT SHEETS FOR CURB & GUTTER LIMITS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2009	STP/NH/DEMO-65(8)	2C
CONST	2015	STP/NH/DEMO-65(8)	2H

REV. 04/06/11: ADDED DETAIL FOR MOUNTABLE CURB ON MEMORIAL BLVD.

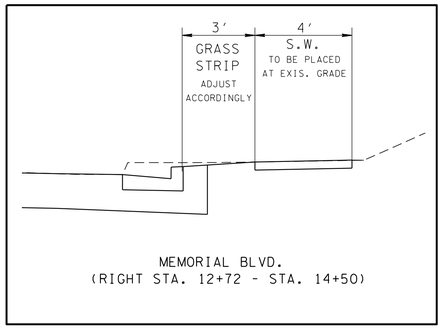
REV. 03/08/12: REVISED DETAIL FOR MEMORIAL BLVD STA 12+72 TO STA 14+50.



TANGENT SECTION

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

MEMORIAL BLVD. (SR-11) (STA. 12+70 - STA. 24+00)



MEMORIAL BLVD.
(RIGHT STA. 12+72 - STA. 14+50)

* END EXISTING EOP/BEGIN FULL DEPTH PVMNT
MATCH SR-65 PAVEMENT SCHEDULE W/
AGGREGATE UNDERDRAIN (SHEET 2D)

PROPOSED PAVEMENT SCHEDULE

(1) ACS MIX @ 1.25" (APPROX. 132.5 +/- LB/SY) 411-02.10 GRADING D (PG70-22)	(8) ACS MIX @ 1.25" THICK (APPROX 132.5 +/- LB/SY) 411-01.10 GRADING D (PG64-22)	(15) MINERAL AGGREGATE @ 6.00" THICK 303-01 TYPE A BASE, GRADING D
(2) ASPHALT CONC. MIX @ 2.00"(APPROX 226 +/- LB/SY) 307-02.08 GRADING B-M2 (PG70-22) (BPMB-HM)	(9) ASPH CONC MIX @ 3.00" THICK(APPROX 345 +/- LB/SY) 307-01.01 GRADING A (PG64-22) (BPMB-HM)	(16) MINERAL AGGREGATE @ 10.75" THICK 303-01 TYPE A BASE, GRADING D
(3) ASPHALT CONC. MIX @ 4.00"(APPROX 460 +/- LB/SY) 307-02.01 GRADING A (PG70-22) (BPMB-HM)	(10) ASPH CEMENT @ 3.00" THICK (APPROX 270 +/- LB/SY) 307-01.02 GRADING A-S (PG64-22) (BPMB-HM) 307-01.03 AGGREGATE (PG64-22) (BPMB-HM)	(18) MINERAL AGGREGATE @ 11.75" THICK 303-01 TYPE A BASE, GRADING D
(4) ASPHALT CEMENT @ 3.00"(APPROX 270 +/- LB/SY) 307-02.02 GRADING A-S (PG70-22) (BPMB-HM) 307-02.03 AGGREGATE (PG70-22) (BPMB-HM)	(11) ASPH CONC. MIX @ 2.00" THICK(APPROX 226 +/- LB/SY 307-01.08 GRADING B-M2 (PG64-22) (BPMB-HM)	(19) MINERAL AGGREGATE @ 14.75" THICK 303-01 TYPE A BASE, GRADING D
(5) MINERAL AGGREGATE @ 16.00" THICK 303-01 TYPE A BASE, GRADING D	(12) MINERAL AGGREGATE @ 14.00" THICK 303-01 TYPE A BASE, GRADING D	(20) PRIME COAT 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) (0.30-0.35 GAL/SY) 402-02 AGGREGATE FOR COVER MATERIAL (PC) (8-12 LB/SY)
(6) ASPHALT CONC. MIX @ 3.25"(APPROX 373.75 +/- LB/SY 307-02.01 GRADING A (PG70-22) (BPMB-HM)	(13) ACS MIX @1.50" (APPROX 154.5 +/- LB/SY) 411-01.07 GRADING E SHOULDER (PG64-22)	(21) TACK COAT 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (0.07 GAL/SY)
(7) MINERAL AGGREGATE @ 10.00" THICK 303-01 TYPE A BASE, GRADING D	(14) MINERAL AGGREGATE @ 21.75" THICK 303-01 TYPE A BASE, GRADING D	

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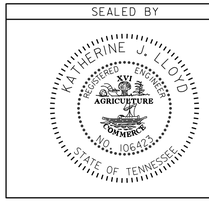

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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GENERAL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	2I

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 801-01.07.

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

GUARDRAIL

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

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

DRAINAGE

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

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

(3) 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).

(4) 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.

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

UTILITIES

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

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

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

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

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

MISCELLANEOUS

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

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

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

RIGHT - OF – WAY

SEE SHEET 3B.

PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKING ON INTERMEDIATE LAYERS

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

FINAL PAVEMENT MARKING IF 6" ENHANCED FLATLINE THERMOPLASTIC IS USED

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

DETOURS, LANE SHIFTS AND MEDIAN CROSS-OVERS

(1) THE PAVEMENT MARKING ON THE LANE SHIFT FOR CENTERLINE AND EDGELINES WILL BE INSTALLED AND MAINTAINED TO THE SAME STANDARDS AS FOR PERMANENT MARKINGS ON THE MAIN ROADWAY. THESE MARKINGS SHALL BE IN PLACE PRIOR TO ALLOWING TRAFFIC ONTO THE PAVEMENT. THESE PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.20 LIN. MI.

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

PAVEMENT

PAVING

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

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

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

GRADED SOLID ROCK

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

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

SIGNING

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

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

(3) THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL FLAT SHEET SIGNS SHALL BE APPLIED BY SILK SCREENING PROCESS, EXCEPT THAT CUT-OUT DIRECT APPLIED COPY SHALL BE USED ON ALL FLAT SHEET SIGNS WITH A GREEN BACKGROUND, OR BROWN BACKGROUND.

(4) THE LENGTHS OF ALL SIGN SUPPORTS SHOWN ON THE SIGN SCHEDULE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THE

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GENERAL NOTES

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CONTRACTOR SHALL VERIFY ALL SUPPORT LENGTHS AT THE SITE PRIOR TO ERECTION.

SIGNALIZATION

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

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

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

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

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

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

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

(8) LOOP REPLACEMENT SHALL BE IN ACCORDANCE WITH SECTION 730 OF THE STANDARD SPECIFICATIONS.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

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

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

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

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

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

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

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

LIGHTING

(1) INSTALLATION AND MATERIALS SHALL COMPLY WITH SECTIONS 714 AND 917 OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED MARCH 1, 2006 AND WITH THE LATEST REVISIONS TO THE NATIONAL ELECTRIC CODE, NFPA 70.

(2) ALL WIRING SHALL BE CONCEALED UNDERGROUND IN 2-INCH SCHEDULE 40 PVC RIGID CONDUIT.

(3) THE GROUND WIRE SHALL BE RUN INSIDE CONDUIT WITHIN STRUCTURES, SHALL BE COLORED GREEN AND HAVE THW INSULATION.

(4) EXISTING FOUNDATIONS TO BE REMOVED A MINIMUM OF SIX INCHES BELOW GRADE.

(5) ALL INCIDENTAL EQUIPMENT AND MATERIAL REQUIRED FOR THE SUCCESSFUL EXECUTION OF THIS WORK SHALL BE FURNISHED IN 714 ITEMS WHETHER SPECIFICALLY NOTED OR NOT.

(6) LIGHT STANDARDS SHALL BE ROUND TAPERED POLES. LENGTH SHALL BE DETERMINED BY REQUIRED MOUNTING HEIGHT.

(7) STANDARDS SHALL BE DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS.

(8) STANDARDS SHALL BE DESIGNED FOR 80-MPH WIND PRESSURE AND SHALL SUPPORT A 62-POUND LUMINAIRE ON A 15-FOOT ARM.

(9) ALL NEW ROADWAY LIGHT STANDARDS SHALL BE MOUNTED ON BASES WITH ACCESS DOOR. TRANSFORMER BASES SHALL MEET AASHTO SPECIFICATIONS AND HAVE FHWA APPROVAL. STANDARDS SHALL BE ALUMINUM WITH TRANSFORMER BASES.

(10) BRACKET ARMS SHALL BE ROUND TAPERED TRUSS TYPE WITH STRAP MOUNTING AND LENGTHS AS SCHEDULED.

(11) BRACKET ARM UPSWEEP SHALL BE THE SAME FOR ALL LIGHT STANDARDS OF THE SAME TYPE.

EROSION PREVENTION AND SEDIMENT CONTROL

DISTURBED AREA

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

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

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

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

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

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

SEDIMENT CONTROL

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

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

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

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

(11) FOR AN OUTFALL IN A DRAINAGE AREA OF 10 ACRES OR MORE, A TEMPORARY (OR PERMANENT) SEDIMENT BASIN OR EQUIVALENT CONTROL MEASURES THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A MINIMUM 2-YEAR/ 24-HOUR STORM EVENT, SHALL BE PROVIDED UNTIL FINAL STABILIZATION OF THE SITE. THE ENVIRONMENTAL

AND ROADWAY DESIGN DIVISIONS MAY BE CONTACTED TO REVIEW AND CONCUR WITH ANY REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE OUTFALL PROCEEDS.

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

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

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

STREAM/WETLAND

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

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

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

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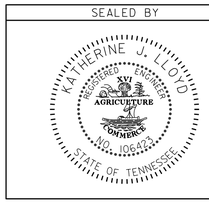

STATE OF TENNESSEE
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GENERAL NOTES

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

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

(20) STREAM BEDS SHALL NOT BE USED AS TRANSPORTATION ROUTES FOR CONSTRUCTION EQUIPMENT. TEMPORARY CROSSINGS MUST BE LIMITED TO ONE POINT PER STREAM AND EPSC MEASURES MUST BE USED WHERE THE STREAM BANKS ARE DISTURBED. WHERE THE STREAMBED IS NOT COMPOSED OF BEDROCK, A PAD OF CLEAN ROCK MUST BE USED AT THE CROSSING POINT AND CULVERTED TO PREVENT THE IMPOUNDMENT OF WATER FLOW. CLEAN ROCK IS ROCK OF VARIOUS TYPE AND SIZE, DEPENDING UPON APPLICATION, WHICH CONTAINS NO FINES, SOILS, OR OTHER WASTES OR CONTAMINANTS. OTHER MATERIALS USED FOR ALL TEMPORARY FILLS MUST BE COMPLETELY REMOVED IN THEIR ENTIRETY AFTER THE WORK IS COMPLETED AND THE AFFECTED AREAS RETURNED TO THEIR PREEXISTING ELEVATION. ALL TEMPORARY CROSSINGS MUST BE CONSTRUCTED IN ACCORDANCE WITH STD. DWG. EC-STR-25 UNLESS SPECIFICALLY ADDRESSED IN THE EPSC PLANS. ALTERNATIVELY, PLACING A TEMPORARY BRIDGE (BAILEY BRIDGE OR EQUIVALENT, TIMBERS, ETC.) FROM TOP OF BANK TO TOP OF BANK OR THE APPROPRIATE USE OF BARGES AT THE CROSSING TO AVOID DISTURBANCE OF THE STREAMBED IS AN ACCEPTABLE OPTION.

SPECIES

(21) 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

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

(23) 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.

(24) 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.

(25) 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.

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

(27) 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.

(28) 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.

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

MATERIALS

(30) 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

(31) 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.

(32) 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, ROOADWAY 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.

(33) 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.

(34) 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.

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

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

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

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

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

LITTER, DEBRIS, WASTE, PETROLEUM

(40) 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.

(41) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO ENSURE THAT PETROLEUM PRODUCTS OR OTHER CHEMICAL POLLUTANTS ARE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. ALL EQUIPMENT REFUELING, SERVICING, AND STAGING AREAS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS, RULES, REGULATIONS, AND ORDINANCES, INCLUDING THOSE OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). APPROPRIATE CONTAINMENT MEASURES FOR THESE AREAS SHALL BE USED. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.

SPECIAL NOTES

GRADING

(1) THE GRADING TABULATIONS AND RESULTING EARTHWORK ASSOCIATED BID QUANTITIES WERE PREPARED UTILIZING AVAILABLE GEOTECHNICAL INFORMATION AND/OR REPORTS PREPARED FOR THIS PROJECT. THIS INFORMATION IS PROVIDED FOR GENERAL INFORMATION AND ESTIMATION GUIDANCE ONLY.

(2) BORING DEPICTIONS SHOWN ON THE FOUNDATION DATA SHEETS, SOILS SHEETS, PLANS, AND CROSS-SECTIONS INDICATE SOIL AND ROCK CONDITIONS AT THE SPECIFIC BORING LOCATIONS. ANY SOIL PROFILE AND/OR ROCK LINE IS INTERPRETIVE BASED ON THE JUDGMENT OF THE GEOTECHNICAL ENGINEER/GEOLOGIST. THE TRANSITION BETWEEN BORINGS AND LAYERS MAY VARY SIGNIFICANTLY DEPENDING ON THE GEOLOGIC FORMATIONS ENCOUNTERED.

(3) TO ASSIST IN BID PREPARATION FOR EARTHWORK AND FOUNDATION CONSTRUCTION, DETAIL ROCK AND SOIL DESCRIPTION AND ON SOME PROJECTS, ROCK CORE SAMPLES ARE AVAILABLE FOR INSPECTION AT THE MATERIALS AND TESTS HEADQUARTERS AT 6601 CENTENNIAL BOULEVARD, NASHVILLE, TN OR AT THE TDOT REGION 1 BUILDING IN KNOXVILLE, TN.

(4) THE CONTRACTOR SHALL UTILIZE ALL INFORMATION PROVIDED IN THE PLANS, CROSS-SECTIONS AND CONTRACT DOCUMENTS INCLUDING ANY SPECIAL PROVISIONS AS WELL AS UTILIZING HIS PAST EXPERIENCE WITH PROJECTS OF SIMILAR NATURE, SCOPE AND LOCATION IN PREPARATION OF HIS BID FOR EARTHWORK ITEMS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE AND PROVIDE EQUIPMENT AND MEANS NECESSARY TO CONDUCT THE EXCAVATION ACTIVITIES IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.

(5) EARTHWORK IS PAID FOR UNDER ITEM 203-01, ROAD AND DRAINAGE EXCAVATION (UNCLASSIFIED). NO ADDITIONAL PAYMENT WILL BE MADE FOR EARTHWORK QUANTITIES BASED SOLELY ON A CLAIM THAT THE

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GENERAL NOTES

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.

DEMOLITION, REPAIR, OR REHABILITATION OF BRIDGES

(1) THE CONTRACTOR SHALL VERIFY THAT AN ASBESTOS SURVEY HAS BEEN COMPLETED PRIOR TO ANY DEMOLITION, REPAIR OR REHABILITATIONS ACTIVITIES (NOT INCLUDING ASPHALT MILLING OR OVERLAY).

(2) ASBESTOS-CONTAINING MATERIALS (ACM) ABATEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE COMPLETED PRIOR TO ANY DEMOLITION, REPAIR OR REHABILITATION OF SPECIAL PROVISION REGARDING REMOVAL OF ASBESTOS-CONTAINING MATERIALS. STATE OF TENNESSEE ASBESTROS ACCREDITATION REQUIREMENTS (TCA 1200-01-20) MANDATE THAT ACM ABATEMENT WORK BE PERFORMED BY AN ACCREDITED FIRM (CONTRACTOR) USING ACCREDITED ABATEMENT WORKERS AND SUPERVISORS.

(3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A NOTICE TO THE TDEC, DIVISION OF AIR POLLUTION CONTROL TEN (10) DAYS IN ADVANCE OF ANY ACM ABATEMENT, DEMOLITION, OR MAJOR REPAIR INVOLVING THE REMOVAL/REPLACEMENT OF A STRUCTURAL COMPONENT.

RETAINING WALLS

(1) THE (RIGHT-OF-WAY/EASEMENT) BETWEEN STATION 142+50 TO STATION 143+20 SHALL REMAIN CLEAR FOR THE CONSTRUCTION OF THE RETAINING WALL. NO UTILITY LINES MAY BE PLACED HERE WITHOUT APPROVAL FROM STRUCTURES DIVISION.

(2) THE OPTIONS FOR RETAINING WALL TYPES SHALL BE LIMITED TO THE APPROVED ALTERNATIVES AS SPECIFIED ON THE RETAINING WALL SHEET(S).

(3) VALUE ENGINEERING CHANGE PROPOSALS WILL NOT BE ACCEPTED FOR RETAINING WALLS.

(4) ALL COST OF BUILDING, INSTALLING AND BACKFILLING THE RETAINING WALL SHALL BE INCLUDED IN THE COST OF THE RETAINING WALL.

SIGNALIZATION

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

EROSION PREVENTION AND SEDIMENT CONTROL

NPDES

(1) REFER TO THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN, SHEET 31, FOR NOTES REGARDING SEASONAL WORK LIMITATION OR LIMITATION ON THE TOTAL AREA OF EXPOSED SOIL.

ENVIRONMENTAL

(1) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION COMPREHENSIVE INSPECTION OFFICE SHALL BE INVITED TO ALL PRE-CONSTRUCTION MEETINGS.

ECOLOGY

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

PROJECT COMMITMENTS

(1) SEE PROJECT COMMITMENTS, SHEET 1B, FOR DETAILS RELATING TO SPECIAL ENVIRONMENTAL COMMITMENTS REQUIRED BY THIS PROJECT.

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GENERAL NOTES
AND
SPECIAL NOTES

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PAVEMENT QUANTITIES

LOCATION	PAY ITEMS														
	303-01 (TON)	307-01.01 (TON)	307-01.02 (TON)	307-01.03 (TON)	307-01.08 (TON)	307-02.01 (TON)	307-02.02 (TON)	307-02.03 (TON)	307-02.08 (TON)	411-01.07 (TON)	411-01.10 (TON)	411-02.10 (TON)	402-01 (TON)	402-02 (TON)	403-01 (TON)
SR 65	44912.0					11449.0	219.0	5602.0	5626.0			3299.0	76.0	299.0	46.0
SR 65	33063.0					10957.0	258.0	7659.0	6627.0			3885.0	89.0	352.0	54.0
RUTH ST.	358.0	137.0			90.0					13.0	56.0		2.0	6.0	1.0
ANNEX DR.	179.0	82.0			53.0					4.0	33.0		1.0	3.0	1.0
W. 22ND AVE.	710.0	127.0			85.0					6.0	50.0		1.0	5.0	1.0
E. 22ND AVE.	849.0	146.0			98.0					12.0	58.0		2.0	6.0	1.0
WALMART ENT.	1066.0	164.0			108.0					21.0	66.0		2.0	7.0	1.0
S. MAIN ST.	1098.0	173.0	6.0	132.0	112.0					21.0	68.0		3.0	10.0	2.0
HOGAN DR.	728.0				96.0					30.0	56.0		2.0	8.0	1.0
W. WATSON RD.	915.0				137.0					28.0	81.0		3.0	10.0	1.0
BATSON PKWY	770.0				155.0						92.0		2.0	1.0	1.0
E. WATSON RD.	691.0				110.0					13.0	67.0		2.0	6.0	1.0
WALLING RD.	439.0				135.0					24.0	81.0		3.0	9.0	1.0
NICKLAUS DR.	432.0				68.0					13.0	41.0		2.0	5.0	1.0
PARK PLAZA DR.	352.0				72.0						42.0		1.0	4.0	1.0
TOTALS	**86562.0**	**829.0**	**6.0**	**132.0**	**1319.0**	**22406.0**	**477.0**	**13261.0**	**12253.0**	**185.0**	**791.0**	**7184.0**	**191.0**	**731.0**	**114.0**

SEE NOTE 9 ON SHEET 2A1 FOR DETAILS ON COLD PLANE & OVERLAY LIMITS.

SIDE DRAIN TABULATION

STATION	LOCATION LT	LOCATION RT	DESCRIPTION	RCP CLASS III OR CMP 16 GA. OR HDPE OR PVC OR SRTRP (L.F.) FILL HEIGHT < OR = 10 FT. 18"
53+72.72	X		PVT. DR.	20
55+92.45	X		PVT. DR.	34
71+69.62	X		PVT. DR.	36
75+08.66	X		PVT. DR.	36
85+00.00	X		PVT. DR.	50
87+65.90	X		PVT. DR.	67
89+60.34	X		PVT. DR.	62
109+15.00		X	PVT. DR.	25
114+04.55	X		PVT. DR.	62
145+86.38	X		PVT. DR.	51
TOTALS				**443**

R.O.W. MARKERS

SHEET NO.	QUANTITIES "A"	"B"	"C"	TOTALS
13A	2	3		**5**
14A	6			**6**
TOTALS	**8**	**3**	**0**	**11**

PROPOSED GUARDRAIL

SHEET NO.	LOCATION	SIDE LT	SIDE RT	STATION FROM	STATION TO	GUARDRAIL BRIDGE ENDS 705-01.01 (L.F.)	SINGLE TYPE 2 705-02.02 (L.F.)	TYPE 13 705-04.03 (EACH)	TYPE IN-LINE 705-04.05 (EACH)	TYPE 38 705-04.07 (EACH)	REMARKS
5A	SR 65/BATSON		X	32+93.59 (SR 65)	50+81.73 (BATSON)		789.32	1		1	
5A	SR 65/BRIDGE	X		42+93.19	BRIDGE	26.9	46.875			1	
5A	SR 65/BRIDGE		X	43+14.89	BRIDGE	26.9	46.875			1	
5A/6A	SR 65/BRIDGE	X		BRIDGE	53+30.43	26.9	690.63			1	
6A	SR 65/BRIDGE		X	BRIDGE	50+00.97	26.9	338.55			1	
7A	SR65/S. MAIN ST.	X		62+48.78 (SR 65)	78+61.79 (S. MAIN)		415.62		1	1	
7A	SR 65		X	62+00.00	69+23.23		625.01			2	
7A	SR 65/S. MAIN ST.	X		78+86.99 (S. MAIN)	69+48.95 (SR 65)		253.85		1	1	
10A	SR 65	X		105+53.99	109+45.68		300			2	
10A	SR 65		X	104+47.97	108+83.28		338.55			2	
TOTALS						**107.6**	**3845.28**	**1**	**2**	**13**	

CROSS DRAIN ENDWALLS

LOCATION	ENDWALL STATION	OFFSET (FT.)	STRUCTURE TYPE	STANDARD DRAWING	SKEW	18 IN. ENDWALL 3:1 611-07.54 (EA.)	18 IN. ENDWALL 6:1 611-07.56 (EA.)	24 IN. ENDWALL 3:1 611-07.57 (EA.)	24 IN. ENDWALL 6:1 611-07.59 (EA.)	30 IN. ENDWALL 6:1 611-07.62 (EA.)	36 IN. ENDWALL 3:1 611-07.63 (EA.)	48 IN. ENDWALL 4:1 611-07.70 (EA.)
WALLING RD.	13+32.70	-41.33	U	D-PE-24(A&B)	77_15_09				1			
SR-65	43+24.16	-69.39	U	D-PE-18(A&B)	78_28_01	1						
SR-65	43+58.17	71.45	U	D-PE-24(A&B)	73_03_31			1				
SR-65	45+87.91	-90.31	U	D-PE-24(A&B)	93_40_59			1				
SR-65	46+05.35	68.84	U	D-PE-36(A&B)	81_09_40						1	
SR 65	63+66.88	102.23	U	D-PE-48(A&B)	65							1
SR-65	107+40.53	66.70	U	D-PE-24(A&B)	90				1			
SR 65	107+41.62	-69.93	*ST	D-PE-4	90							
SR-65	112+77.46	-65.24	U	D-PE-30(A&B)	60					1		
SR-65	113+51.29	61.80	U	D-PE-18(A&B)	60		1					
TOTALS						**1**	**1**	**2**	**2**	**1**	**1**	**1**

*QUANTITY CALCULATED USING ITEM NOS. 611-07.01 & 611-07.02

ESTIMATED GRADING QUANTITIES

STATION TO STATION	ROAD & DRAINAGE EXC. (UNCL.) COMMON - C.Y.	ROAD & DRAINAGE EXC. (UNCL.) S. ROCK - C.Y.	* BORROW EXCAVATION UNCL. - C.Y.	* BORROW EXCAVATION GRADED S. ROCK - C.Y.	CHANNEL EXC. C.Y.	* EXCESS EXC. WASTE C.Y.	EMB. C.Y.
SR 65	32180		46430	3000			60469
MEMORIAL	1485					1454	24
WALLING	469					315	119
BATSON	231					438	7
SOUTH MAIN	498		1841				1799
WEST WATSON	1628					1580	37
EAST WATSON	1248					1203	35
HOGAN	344					294	39
NICKLAUS	322					203	92
WEST 22ND	301					290	9
EAST 22ND	319					266	41
RUTH	43		225				206
PARK	61		145				158
ANNEX	308					307	1
DRIVEWAYS	20796		6421				20936
TOTALS	**60233**	**0**	**55062**	**3000**	**0**	**6350**	**83972**

*30% SHRINKAGE FACTOR USED

CROSS DRAIN TABULATION

STATION	RCP CLASS III OR CMP 10 GA. OR HDPE OR PVC (L.F.) FILL HEIGHT < OR = 16 FT. 12"	18"	24"	30"	48"	SKEW	END TREATMENT INLET TYPE	INLET DRAWING NO.	OUTLET TYPE	OUTLET DRAWING NO.
63+66.88 SR-65 RT.					20	65	U	D-PE-48 (A&B)		
* 107+41.11 SR-65 (RT & LT)			22	25		90	U	D-PE-24(A&B)	ST	D-PE-4
* 113+15.37 SR-65 (RT & LT)		21		25		60	U	D-PE-18(A&B)	U	D-PE-30(A&B)
13+32.70 WALLING RD.			38			77_15_09			U	D-PE-24(A&B)
72+25.77 HOGAN DR.	10					72_47_10	N/A		N/A	
TOTALS	**10**	**21**	**60**	**50**	**20**					

*THESE PIPES ARE A PART OF THE DRAINAGE SYSTEM, THEREFORE THE QUANTITIES ARE INCLUDED ON SHEET 2Q.

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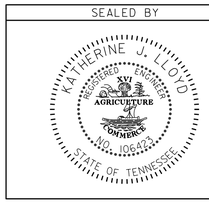

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	2N

REV. 05/19/15: UPDATED GRATE ELEV. & DEPTH'S OF CB-1, 41, 122, 126, 127.

CATCH BASINS AND JUNCTION BOXES

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSION	DEPTH (FT.)	STANDARD DRAWINGS	TYPE 2 J.B. 611-02.11 EA.	TYPE 25 C.B. 611-25.01 0' - 4'	TYPE 25 C.B. 611-25.02 4' - 8'	TYPE 25 C.B. 611-25.03 8' - 12'	TYPE 25 C.B. 611-25.04 12' - 16'	TYPE 25 C.B. 611-25.05 16' - 20'	TYPE 26 C.B. 611-26.02 4' - 8'	TYPE 26 C.B. 611-26.03 8' - 12'	TYPE 27 C.B. 611-27.02 4' - 8'	TYPE 42 C.B. 611-42.02 4' - 8'	TYPE 42 C.B. 611-42.05 16' - 20'	REMARKS
5A	SR65	41+84.06	-42	CB-103	595.54	#25	4X3	6.33	D-CB-25S			1									
5A	SR65	42+12.90	42	CB-116	595.20	#25	4X3	7.64	D-CB-25S			1									
5A	SR65	43+19.07	-42	CB-3	593.08	#25	4X3	4.70	D-CB-25S			1									
5A	SR65	43+49.94	42	CB-4	592.77	#25	4X3	8.81	D-CB-25S				1								
5A	SR65	45+90.86	-42	CB-5	593.92	#25	4X3	5.05	D-CB-25S			1									
5A	WALLI_RD	13+17.00	-22.4	CB-1	595.91	#25	4X3	3.88	D-CB-25S		1										
6A	SR65	46+09.12	42	CB-6	594.27	#25	4X4	12.27	D-CB-25SB					1							
6A	SR65	47+86.34	-42	CB-7	599.54	#25	4X3	4.75	D-CB-25S			1									
6A	SR65	49+58.06	42	CB-8	605.86	#25	4X4	8.86	D-CB-25SB				1								
6A	SR65	50+48.07	-42	CB-9	609.18	#25	4X3	4.75	D-CB-25S			1									
6A	SR65	51+84.68	42	CB-10	614.22	#25	4X4	12.22	D-CB-25SB					1							
6A	SR65	54+00.37	-42	CB-11	622.14	#25	4X3	5.05	D-CB-25S			1									
6A	SR65	54+26.39	42	CB-142	623.06	#25	4X4	11.06	D-CB-25SB				1								
6A	SR65	56+67.12	42	CB-12	630.07	#25	4X4	6.30	D-CB-25SB			1									
6A	SR65	57+03.07	-42	CB-13	633.01	#25	4X3	5.05	D-CB-25S			1									
7A	SR65	60+01.12	-42	CB-14	638.64	#25	4X3	4.25	D-CB-25S			1									
7A	SR65	60+50.38	42	CB-15	637.38	#25	4X4	6.30	D-CB-25SB			1									
7A	SR65	62+56.29	-42	CB-16	642.92	#25	4X3	4.25	D-CB-25S			1									
7A	SR65	63+86.78	42	CB-19	643.33	#25	4X4	6.30	D-CB-25SB			1									
7A	SR65	65+98.97	-42	CB-104	648.16	#25	4X3	4.42	D-CB-25S			1									
7A	SR65	67+07.20	42	CB-20	650.73	#25	4X4	6.30	D-CB-25SB			1									
7A	SR65	67+33.77	-42	CB-21	651.13	#25	4X3	4.42	D-CB-25S			1									
7A	SR65	69+34.58	-42	CB-22	659.56	#25	4X3	4.42	D-CB-25S			1									
7A	SR65	70+58.50	42	CB-23	664.31	#25	4X4	6.30	D-CB-25SB			1									
7A	SR65	71+89.61	-42	CB-24	669.84	#25	4X3	4.42	D-CB-25S			1									
8A	SR65	74+10.86	42	CB-25	679.18	#25	4X4	6.30	D-CB-25SB			1									
8A	SR65	75+36.09	-42	CB-26	684.94	#25	4X3	4.42	D-CB-25S			1									
8A	SR65	77+62.48	42	CB-27	693.25	#25	4X4	5.75	D-CB-25SB			1									
8A	SR65	78+49.82	-42	CB-28	696.76	#25	4X3	7.43	D-CB-25S			1									
8A	SR65	78+50.04	-70.19	CB-120	693.87	#42	32"X32"	4.25	D-CB-42S										1		
8A	SR65	78+85.25	42	JB-9	697.45	JB#2	4X4	4.44	D-JBS-2	1											
8A	SR65	78+85.38	58.05	CB-121	697.63	#42	32"X32"	4.25	D-CB-42S										1		
8A	SR65	81+15.08	42	CB-29	704.25	#25	4X3	4.42	D-CB-25S			1									
8A	SR65	82+46.69	-42	CB-30	708.76	#25	4X3	4.42	D-CB-25S			1									
8A	SR65	84+69.09	42	CB-31	712.01	#25	4X3	4.42	D-CB-25S			1									
9A	SR65	85+80.18	-42	CB-32	714.96	#25	4X3	4.42	D-CB-25S			1									
9A	SR65	88+01.87	-42	CB-33	717.54	#25	4X3	4.25	D-CB-25S			1									
9A	SR65	88+22.82	42	CB-34	716.46	#25	4X3	4.25	D-CB-25S			1									
9A	SR65	93+52.37	-42	CB-37	718.23	#25	4X3	4.28	D-CB-25S			1									
9A	SR65	95+32.30	42	CB-38	715.49	#25	4X3	5.38	D-CB-25S			1									
9A	SR65	96+84.64	-42	JB-8	713.55	JB#2	4X4	7.89	D-JBS-2	1											
9A	SR65	96+85.00	-71.06	CB-122	710.31	#42	32"X32"	4.31	D-CB-42S										1		
9A	SR65	97+13.14	42	CB-40	711.89	#25	4X3	5.70	D-CB-25S			1									
9A	SR65	97+20.21	-42	CB-39	713.01	#25	4X3	10.12	D-CB-25S			1									
9A	SR65	97+37.31	95.88	CB-123	710.88	#42	32"X32"	4.25	D-CB-42S										1		
9A	WATSON_W	29+29.50	29.72	CB-41	711.49	#25	4X3	5.49	D-CB-25S		1										
10A	SR65	98+65.40	42	CB-43	710.49	#25	4X3	8.71	D-CB-25S			1									
10A	SR65	98+78.96	-42	CB-105	710.42	#25	4X3	8.47	D-CB-25S			1									
10A	SR65	100+94.58	-66.52	CB-126	706.72	#42	32"X32"	4.25	D-CB-42S										1		
10A	SR65	100+95.10	-42	JB-7	706.47	JB#2	4X4	5.96	D-JBS-2	1											
10A	SR65	101+81.95	-42	CB-44	704.87	#25	4X3	5.75	D-CB-25S			1									
10A	SR65	101+99.75	42	CB-45	704.38	#25	4X3	8.80	D-CB-25S			1									
10A	SR65	102+89.69	119.88	CB-127	698.06	#42	32"X32"	4.31	D-CB-42S										1		
10A	SR65	103+24.10	42	CB-46	702.70	#25	4X3	9.72	D-CB-25S				1								
10A	SR65	104+19.71	42	CB-49	700.77	#25	4X3	8.42	D-CB-25S			1									
10A	SR65	105+73.89	-42	CB-53	699.74	#25	4X3	4.75	D-CB-25S			1									
10A	SR65	105+74.01	42	CB-50	699.65	#25	4X3	8.22	D-CB-25S			1									
10A	SR65	106+26.36	42	CB-51	699.57	#27	8X4	8.54	D-CB-27S									1			
10A	SR65	106+26.36	-42	CB-54	699.65	#27	8X4	5.07	D-CB-27S									1			
10A	SR65	106+78.86	42	CB-52	699.65	#25	4X3	9.02	D-CB-25S				1								
10A	SR65	106+79.00	-42	CB-55	699.72	#25	4X3	5.54	D-CB-25S			1									
10A	SR65	107+41.33	42	CB-112	699.94	#25	4X3	15.64	D-CB-25S					1							
10A	SR65	107+41.81	-42	CB-111	700.00	#25	4X3	16.50	D-CB-25S						1						
10A	SR65	108+90.57	42	CB-56	701.52	#25	4X3	4.42	D-CB-25S			1									
10A	SR65	110+67.93	-42	CB-57	705.03	#25	4X3	4.42	D-CB-25S			1									

*SEE SHEET 2P FOR REMAINING CATCH BASINS AND MANHOLES.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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CATCH BASINS AND JUNCTION BOXES

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSION	DEPTH (FT.)	STANDARD DRAWINGS	TYPE 2 J.B. 611-02.11 EA.	TYPE 25 C.B. 611-25.01 0' - 4'	TYPE 25 C.B. 611-25.02 4' - 8'	TYPE 25 C.B. 611-25.03 8' - 12'	TYPE 25 C.B. 611-25.04 12' - 16'	TYPE 25 C.B. 611-25.05 16' - 20'	TYPE 26 C.B. 611-26.02 4' - 8'	TYPE 26 C.B. 611-26.03 8' - 12'	TYPE 27 C.B. 611-27.02 4' - 8'	TYPE 42 C.B. 611-42.02 4' - 8'	TYPE 42 C.B. 611-42.05 16' - 20'	REMARKS
10A	SR65	110+73.71	42	CB-58	705.17	#25	4X3	4.42	D-CB-25S			1									
10A	HOGAN	70+73.22	22.27	CB-47	701.45	#25	4X3	5.45	D-CB-25S			1									
10A	HOGAN	70+80.27	-22.17	CB-48	701.23	#25	4X3	7.84	D-CB-25S			1									
10A	WATSON_W	29+18.55	-30	CB-42	711.58	#25	4X3	5.38	D-CB-25S			1									
11A	SR65	112+02.66	42	CB-60	708.99	#25	4X3	4.25	D-CB-25S			1									
11A	SR65	112+23.37	-42	CB-61	709.53	#25	4X3	4.25	D-CB-25S			1									
11A	SR65	112+91.18	-42	CB-109	711.71	#25	4X3	10.71	D-CB-25S				1								
11A	SR65	113+39.43	42	CB-110	713.74	#25	4X3	9.74	D-CB-25S				1								
11A	SR65	115+58.05	42	CB-62	720.76	#25	4X3	7.76	D-CB-25S			1									
11A	SR65	116+52.31	-42	CB-63	723.30	#25	4X3	4.42	D-CB-25S			1									
11A	SR65	119+04.41	-42	CB-117	731.18	#25	4X3	4.42	D-CB-25S			1									
11A	SR65	119+27.29	42	CB-64	732.31	#25	4X3	8.31	D-CB-25S				1								
11A	SR65	119+99.78	42	JB-5	734.28	JB#2	4X4	6.31	D-JBS-2	1											
11A	SR65	119+99.96	65.54	CB-129	734.49	#42	32"X32"	4.25	D-CB-42S										1		
11A	SR65	121+76.70	-42	CB-66	738.78	#25	4X3	4.42	D-CB-25S			1									
11A	SR65	122+21.42	42	CB-67	738.98	#25	4X3	9.71	D-CB-25S				1								
11A	SR65	123+62.37	-42	CB-68	743.12	#25	4X3	4.42	D-CB-25S			1									
11A	NICKLAUS	20+78.37	24	CB-59	706.00	#25	4X3	4.25	D-CB-25S			1									
12C	SR65	124+67.06	-42	CB-107	744.73	#25	4X3	4.42	D-CB-25S			1									
12C	SR65	124+68.95	42	CB-108	743.03	#25	4X3	12.39	D-CB-25S					1							
12C	SR65	125+79.11	42	CB-69	744.41	#25	4X3	13.08	D-CB-25S					1							
12C	SR65	128+23.26	-42	CB-70	748.08	#25	4X3	5.70	D-CB-25S			1									
12C	SR65	129+30.00	77.12	CB-130	738.75	#42	32"X32"	4.25	D-CB-42S										1		
12C	SR65	129+30.58	42	JB-12	747.01	JB#2	4X4	13.80	D-JBS-2	1											
12C	SR65	129+67.64	42	CB-71	747.23	#25	4X3	13.36	D-CB-25S					1							
12C	SR65	130+50.37	70.45	CB-144	740.87	#42	32"X32"	4.25	D-CB-42S										1		
12C	SR65	130+50.44	42	JB-10	747.73	JB#2	4X4	13.29	D-JBS-2	1											
12C	SR65	130+63.48	-42	CB-72	749.52	#25	4X3	5.76	D-CB-25S			1									
12C	SR65	132+57.26	42	CB-73	748.96	#25	4X3	11.49	D-CB-25S				1								
12C	SR65	132+78.95	42	JB-4	749.09	JB#2	4X4	11.37	D-JBS-2	1											
12C	SR65	132+79.78	62.41	CB-131	749.14	#42	32"X32"	5.58	D-CB-42S										1		
12C	SR65	134+19.81	-42	CB-75	751.49	#25	4X3	5.78	D-CB-25S			1									
12C	SR65	134+32.86	42	CB-74	750.22	#25	4X3	11.71	D-CB-25S				1								
12C	SR65	135+70.90	-42	CB-78	751.04	#25	4X3	4.42	D-CB-25S			1									
12C	SR65	135+75.49	42	CB-79	751.07	#25	4X3	11.71	D-CB-25S				1								
12C	SR65	136+29.40	42	JB-11	751.39	JB#2	4X4	11.61	D-JBS-2	1											
12C	SR65	136+29.40	53.11	CB-145	750.83	#42	32"X32"	4.31	D-CB-42S										1		
12C	22ND_E	40+91.35	-29.94	CB-77	749.49	#25	4X3	5.38	D-CB-25S			1									
12C	22ND_E	40+91.55	29.88	CB-76	749.49	#25	4X3	5.49	D-CB-25S			1									
13C	SR65	138+17.86	42	CB-80	752.87	#25	4X3	11.82	D-CB-25S				1								
13C	SR65	139+40.92	-42	CB-81	753.08	#25	4X3	4.25	D-CB-25S			1									
13C	SR65	139+91.42	42	CB-82	755.39	#25	4X3	13.32	D-CB-25S					1							
13C	SR65	140+14.97	145.87	CB-134	747.01	#42	32"X32"	4.25	D-CB-42S										1		
13C	SR65	141+25.89	42	CB-83	755.58	#25	4X3	4.25	D-CB-25S			1									
13C	SR65	146+45.64	-42	CB-89	750.60	#25	4X3	9.29	D-CB-25S			1									
13C	SR65	146+85.00	-95.96	CB-143	748.21	#42	32"X32"	6.21	D-CB-42S										1		
13C	SR65	147+78.60	-42	CB-106	748.72	#25	4X3	8.21	D-CB-25S			1									
13C	SR65	148+10.27	60.41	CB-136	751.16	#42	32"X32"	5.92	D-CB-42S										1		
13C	SR65	148+10.44	42	JB-3	749.86	JB#2	4X4	4.91	D-JBS-2	1											
13C	SR65	148+66.87	42	CB-92	749.13	#25	4X3	4.62	D-CB-25S			1									
13C	SR65	149+54.50	-42	CB-93	746.24	#25	4X3	6.75	D-CB-25S			1									
13C	ANNEX	59+21.71	24.39	CB-90	749.32	#25	4X3	7.57	D-CB-25S			1									
13C	ANNEX	59+25.53	-24	CB-91	749.30	#25	4X3	5.80	D-CB-25S			1									
14C	SR65	150+56.23	42	JB-2	746.44	JB#2	4X4	4.44	D-JBS-2	1											
14C	SR65	150+56.27	56.31	CB-137	748.93	#42	32"X32"	5.51	D-CB-42S										1		
14C	SR65	151+65.67	42	CB-94	744.32	#25	4X3	5.99	D-CB-25S			1									
14C	SR65	151+68.12	-42	CB-95	743.42	#25	4X3	8.00	D-CB-25S			1									
14C	MEMORIAL	14+59.02	41.89	CB-98	740.62	#25	4X3	4.42	D-CB-25S			1									
14C	MEMORIAL	15+71.29	47	CB-96	740.27	#25	4X3	4.78	D-CB-25S			1									
14C	MEMORIAL	16+46.29	49.71	CB-97	740.44	#26	8X3	8.44	D-CB-26S								1				
14C	MEMORIAL	16+46.59	94.83	CB-141	741.96	#42	4X4	17.96	D-CB-42SB											1	
14C	MEMORIAL	19+93.20	50	CB-99	747.03	#26	8X3	6.97	D-CB-26S							1					
14C	MEMORIAL	21+35.50	46	CB-146	748.27	#25	4X3	7.36	D-CB-25S			1									
14C	MEMORIAL	22+88.14	39.9	CB-100	749.80	#25	4X3	4.25	D-CB-25S			1									
TOTALS										**11**	**2**	**76**	**13**	**7**	**1**	**1**	**1**	**2**	**15**	**1**	

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	2P

REV. 05/19/15: UPDATED GRATE ELEV. & DEPTH'S OF CB-1, 41, 122, 126, 127.

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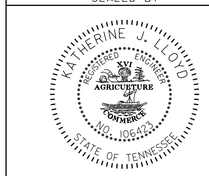

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	20

STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	RCP CLASS III 607-03.30 18" (L.F.)	607-05.30 24" (L.F.)	607-06.30 30" (L.F.)	607-07.30 36" (L.F.)
5A	CB-1	592.03	CB-103	591.29	0.50	61			
5A	CB-103	589.21	CB-3	588.56	0.50	131			
5A	CB-116	587.56	CB-4	586.90	0.50	133			
5A	CB-3	588.39	EW-2	585.77	10.31	25			
5A	CB-4	583.96	EW-3	580.85	11.00		28		
5A	CB-5	588.87	EW-5	588.64	0.50		46		
5A/6A	CB-7	594.79	CB-5	589.04	3.09		191		
6A	CB-9	604.43	CB-7	594.96	3.74		258		
6A	CB-8	597.00	CB-6	588.00	2.59				347
6A	CB-10	602.00	CB-8	599.00	1.34				225
6A	CB-11	617.09	CB-9	604.60	3.63		348		
6A	CB-12	623.77	CB-142	617.01	2.85				238
6A	CB-13	627.96	CB-11	617.26	3.62		300		
6A	CB-6	582.00	EW-4	581.00	4.08				25
6A	CB-142	612.00	CB-10	607.00	2.10				238
6A/7A	CB-14	634.39	CB-13	628.46	1.99	298			
6A/7A	CB-15	631.08	CB-12	624.02	1.88				375
7A	CB-16	638.67	CB-14	634.56	1.68	255			
7A	CB-19	637.03	CB-15	631.33	1.73				330
7A	CB-22	655.14	CB-21	646.88	4.20	197			
7A	CB-23	658.01	CB-20	644.68	3.82				349
7A	CB-24	665.42	CB-22	655.31	4.03	251			
7A	CB-104	643.74	CB-16	638.84	1.49	340			
7A	CB-20	644.43	CB-19	637.28	2.24				318
7A	CB-21	646.71	CB-104	643.91	2.14	131			
7A/8A	CB-25	672.88	CB-23	658.26	4.17				350
7A/8A	CB-26	680.52	CB-24	665.59	4.36	342			
8A	CB-27	687.50	CB-25	673.13	4.11				350
8A	CB-28	689.33	CB-26	680.69	2.79	310			
8A	CB-30	704.34	CB-28	692.51	3.00	394			
8A	CB-31	707.59	CB-29	700.00	2.18	348			
8A	CB-29	699.83	JB-9	693.22	2.93	225			
8A	JB-9	693.01	CB-27	689.00	3.32	121			
8A	CB-121	693.38	JB-9	693.22	1.21	13			
8A	CB-120	689.62	CB-28	689.50	0.50	24			
8A/9A	CB-32	710.54	CB-30	704.51	1.82	332			
8A/9A	CB-34	712.21	CB-31	707.76	1.28	347			
9A	CB-33	713.29	CB-32	710.71	1.17	219			
9A	CB-37	713.95	JB-8	708.70	1.42	329			
9A	CB-38	710.11	CB-40	706.51	2.04	177			
9A	CB-41	706.00	CB-39	703.06	0.50	66			
9A	JB-8	705.66	CB-39	705.50	0.50	32			
9A	CB-122	706.00	JB-8	705.87	0.50	26			
9A	CB-123	706.63	CB-40	706.35	0.50	56			
9A/10A	CB-39	702.89	CB-105	702.12	0.50	155			
9A/10A	CB-40	706.18	CB-43	705.11	0.50	148			
10A	CB-43	701.78	CB-45	698.75	1.56	330			
10A	CB-42	706.20	CB-105	705.04	4.24	51			
10A	CB-105	701.95	JB-7	700.51	1.62	212			
10A	CB-47	696.00	CB-45	695.75	2.00	51			
10A	CB-48	693.39	CB-46	693.15	0.50	48			
10A	CB-44	699.12	CB-53	695.49	1.28	388			
10A	CB-46	692.98	CB-49	692.52	0.50	92			
10A	CB-49	692.35	CB-50	691.60	0.50	150			

STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	RCP CLASS III 607-03.30 18" (L.F.)	607-05.30 24" (L.F.)	607-06.30 30" (L.F.)	607-07.30 36" (L.F.)
10A	CB-50	691.43	CB-51	691.20	0.50	46			
10A	CB-53	694.99	CB-54	694.76	0.50		46		
10A	CB-51	691.03	CB-52	690.79	0.50	47			
10A	CB-54	694.59	CB-55	694.35	0.50		47		
10A	CB-58	700.75	CB-56	697.27	1.94	179			
10A	CB-52	690.62	CB-112	690.33	0.50	58			
10A	CB-55	694.18	CB-111	693.89	0.50		59		
10A	CB-111	688.02	EW-22	688.06	1.96			25	
10A	CB-56	697.10	CB-112	695.69	0.97	145			
10A	CB-57	700.61	CB-111	695.75	1.51	322			
10A	JB-7	700.34	CB-44	700.10	0.59	83			
10A	CB-126	702.47	JB-7	702.24	0.50	21			
10A	CB-127	693.75	CB-48	693.56	0.50	37			
10A	EW-9	687.84	CB-112	687.88	0.90		22		
10A	CB-45	695.58	CB-46	694.98	0.50	120			
10A	CB-112	687.88	CB-111	688.02	0.50			83 *	
10A/11A	CB-61	705.28	CB-57	700.78	2.97	151			
10A/11A	CB-60	704.74	CB-58	700.92	3.05	125			
10A/11A	CB-59	701.75	CB-58	700.92	1.57	53			
11A	CB-117	726.76	CB-63	719.05	3.11	248			
11A	CB-64	724.00	CB-62	714.87	2.50		365		
11A	CB-68	738.70	CB-66	734.53	2.26	184			
11A	EW-21	707.45	CB-110	706.89	0.50	21			
11A	CB-110	706.89	CB-109	704.62	0.50			96 *	
11A	CB-109	704.62	EW-20	703.71	3.00			25	
11A	JB-5	727.98	CB-64	727.39	0.88		68		
11A	CB-129	730.24	JB-5	730.05	0.91	20			
11A	CB-67	729.27	JB-5	728.19	0.50		217		
11A	CB-66	734.36	CB-117	726.93	2.77	269			
11A	CB-63	718.88	CB-109	707.46	3.20	357			
11A	CB-62	713.00	CB-110	708.71	2.00		215		
11A/12C	CB-108	730.64	CB-67	729.44	0.50		240		
11A/12C	CB-107	740.31	CB-68	738.87	1.41	102			
12C	CB-71	733.88	JB-12	733.72	0.50	33			
12C	CB-72	743.76	CB-70	742.56	0.50	240			
12C	CB-73	737.47	JB-10	736.47	0.50	200			
12C	CB-75	745.71	CB-72	743.93	0.50	357			
12C	CB-76	744.00	CB-74	743.69	0.50	62			
12C	CB-74	738.51	JB-4	737.77	0.50	148			
12C	CB-77	744.11	CB-79	743.82	0.50	59			
12C	CB-69	731.33	CB-108	730.81	0.50		105		
12C	CB-70	742.39	CB-107	740.48	0.53	357			
12C	CB-79	739.36	CB-74	738.67	0.50	138			
12C	CB-78	746.62	CB-75	745.88	0.50	148			
12C	JB-12	733.22	CB-69	731.50	0.50		342		
12C	CB-130	734.50	JB-12	734.34	0.50	32			
12C	JB-4	737.72	CB-73	737.64	0.50	17			
12C	CB-131	743.56	JB-4	743.47	0.50	17			
12C	CB-144	736.62	JB-10	734.61	8.00	25			
12C	JB-10	734.44	CB-71	734.05	0.50	78			
12C	JB-11	739.78	CB-79	739.53	0.50	50			
12C	CB-145	746.52	JB-11	746.48	0.50	8			
12C/13C	CB-80	741.05	JB-11	740.12	0.50	184			
12C/13C	CB-81	748.83	CB-78	746.79	0.56	365			
13C	CB-82	742.07	CB-80	741.22	0.50	171			

STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	RCP CLASS III 607-03.30 18" (L.F.)	607-05.30 24" (L.F.)	607-06.30 30" (L.F.)	607-07.30 36" (L.F.)
13C	CB-90	741.75	CB-89	741.48	0.50	53			
13C	CB-91	743.50	CB-106	743.26	3.81	48			
13C	CB-106	740.51	CB-93	739.66	1.37	169			
13C	CB-89	741.31	CB-106	740.67	0.61	127			
13C	CB-83	751.33	CB-82	750.66	0.50	132			
13C	JB-3	744.95	CB-92	744.68	0.50	53			
13C	CB-136	745.24	JB-3	745.16	0.50	15			
13C	CB-134	742.76	CB-82	742.24	0.50	103			
13C	CB-143	742.00	CB-90	741.92	0.50	17			
13C/14C	CB-92	744.51	JB-2	742.21	1.23	188			
13C/14C	CB-93	739.49	CB-95	737.50	1.28	207			
14C	CB-99	740.06	CB-94	738.94	0.50	184			
14C	CB-100	745.55	CB-146	741.09	3.00	149			
14C	CB-95	735.42	CB-97	734.50	1.24		183		
14C	CB-98	736.20	CB-96	735.66	0.50	108			
14C	CB-96	735.49	CB-97	735.06	0.50	69			
14C	CB-94	738.33	CB-95	737.92	0.50	83			
14C	JB-2	742.00	CB-94	738.50	1.80	107			
14C	CB-137	743.42	JB-2	742.21	11.00	11			
14C	CB-97	732.00	CB-141	731.00	2.46		41		
14C	CB-141	724.00	JB-1	723.00	2.39		42		
14C	CB-146	740.92	CB-99	740.23	0.50	136			
TOTALS						**14045**	**3164**	**50**	**3145**

*EXISTING CROSS DRAINS TO REMAIN IN PLACE. QUANTITIES HAVE BEEN REMOVED FROM TOTAL.

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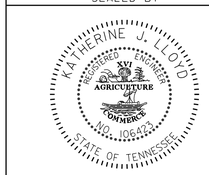

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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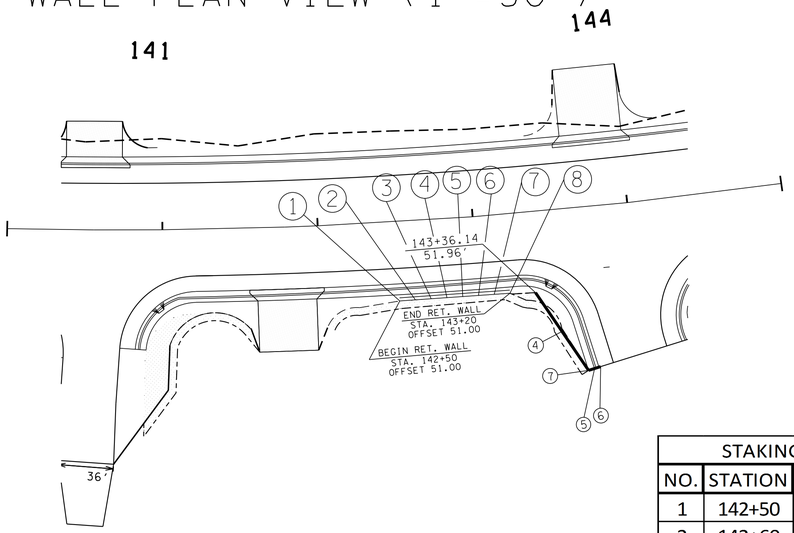
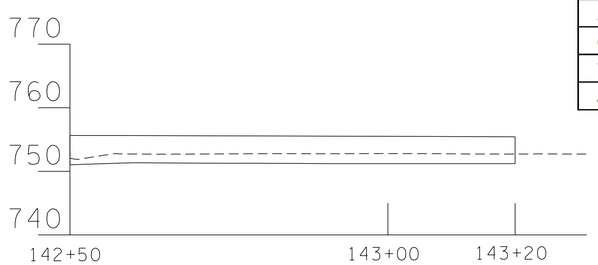
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	2R

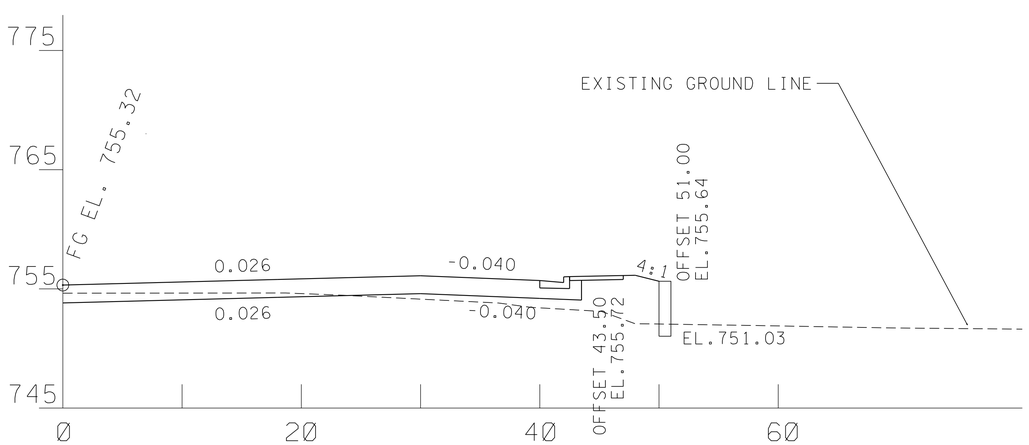
WALL PLAN VIEW (1"=50')



STAKING POINTS FOR DRILLING (WALL NO. 1)					
NO.	STATION	OFFSET	N	E	ELEVATION
1	142+50	51.00	786459.02	1710449.38	751.622
2	142+60	51.00	786465.51	1710457.20	752.524
3	142+70	51.00	786472.03	1710465.01	752.778
4	142+80	51.00	786478.57	1710472.79	752.790
5	142+90	51.00	786485.13	1710480.56	752.578
6	143+00	51.00	786491.72	1710488.30	752.407
7	143+10	51.00	786498.34	1710496.02	752.461
8	143+20	51.00	786504.98	1710503.72	752.417



WALL ELEVATION VIEW



TYPICAL SECTION STA. 142+50

INSTALL PER STANDARD DRAWING EL-W-2, GRAVITY-TYPE RETAINING WALLS

ESTIMATED QUANTITIES FOR GRAVITY-TYPE RETAINING WALLS

ITEM NO.	604-01.01	303-01.03	303-10.03
DESCRIPTION	CLASS A CONCRETE C.Y	GRANULAR BACKFILL TON	MINERAL AGGREGATE TON
QUANTITY	26	19	28

NOTE REGARDING CONSTRUCTION SLOPES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING THE EXCAVATION IN ACCORDANCE WITH OSHA AND OTHER APPLICABLE STATE AND LOCAL REGULATIONS REGARDING CONSTRUCTION SLOPES AND TRENCHES. IN ADDITION TO FOLLOWING APPLICABLE REGULATORY REQUIREMENTS, AS A MINIMUM REQUIREMENT, ALL TEMPORARY CONSTRUCTION SLOPES SHALL BE PLACED AT A MAXIMUM OF A 1:1 SLOPE IN SOIL AND SHALL NOT BE LEFT OPEN WITHOUT SHORING FOR ANY LONGER THAN ABSOLUTELY NECESSARY. THE CONTRACTOR BUILDING THE WALL SHALL ENSURE THAT THESE TEMPORARY BACK SLOPES ARE NOT AND DO NOT BECOME UNSTABLE. IF SLOPE IS UNSTABLE, BECOMES UNSTABLE, IS CUT STEEPER THAN A 1:1 SLOPE OR IS UNACCEPTABLE FOR ANOTHER REASON, THEN TEMPORARY SHORING SHALL BE USED. ANY UNUSUAL SOIL CONDITIONS OTHER THAN THOSE ASSUMED SHOULD BE REPORTED TO THE PROJECT ENGINEER.

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RETAINING WALL
CONCEPTUAL DRAWING
STATE ROUTE 65
ROBERTSON COUNTY

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP/NH/DEMO-65(8)	2RI

REV. 02/02/15: UPDATED SHEET FROM ASD TO LRFD

RETAINING WALL DESIGN NOTES

UNLESS SPECIFICALLY STATED OTHERWISE IN THE CONTRACT PLANS, THE BIDDING FOR, THE DESIGN OF AND THE CONSTRUCTION OF RETAINING WALLS SHOWN IN THE PLANS SHALL BE GOVERNED BY THE TENNESSEE DEPARTMENT OF TRANSPORTATION SPECIAL PROVISION 624 REGARDING RETAINING WALLS. THIS SPECIAL PROVISION SHALL BE CONSIDERED AS ONE OF THOSE DOCUMENTS WHICH THE BIDDER/CONTRACTOR HAS EXAMINED AND MADE HIMSELF FAMILIAR WITH AS DESCRIBED IN SECTION 102.04 – EXAMINATION OF THE SITE, THE WORK, THE PLANS, AND THE SPECIFICATIONS IN THE TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

EXCAVATION FOR THE WALL AND/OR ITS FOOTING SHALL NOT BE ACCOMPLISHED UNTIL THE CONTRACTOR HAS SUBMITTED WALL DESIGNS AND CALCULATIONS AND HAS BEEN ISSUED AN APPROVED SET OF WALL PLANS AND HAS LABOR AND MATERIAL RESOURCES AVAILABLE TO BEGIN AND CONTINUE WALL CONSTRUCTION IMMEDIATELY AFTER EXCAVATION.

THIS WALL SHALL BE DESIGNED IN ACCORDANCE WITH LRFD DESIGN PROCEDURES AND REQUIREMENTS AS DESCRIBED IN 1) AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2012 AND INTERIMS AND 2) PUBLICATION FHWA-NHI-10-024/FHWA GEC 011, DESIGN AND CONSTRUCTION OF MECHANICALLY STABILIZED EARTH WALLS AND REINFORCED SOIL SLOPES, NOVEMBER 2009 FOR MSE WALLS.

FOR PROPRIETARY WALL SYSTEMS THAT HAVE BEEN APPROVED AS SHOWN IN SPECIAL PROVISION 624, THE WALL DESIGNER SHALL BE RESPONSIBLE FOR PROVIDING WALL DESIGNS INCORPORATING MATERIALS AND COMPONENTS (I.E. REINFORCEMENT CONNECTION DEVICES, SPECIFIC MANUFACTURER AND PROPERTIES OF GEOGRID) AS WAS ORIGINALLY SUBMITTED AND APPROVED BY TDOT, IF A MATERIAL AND/OR COMPONENT OF THE WALL SYSTEM HAVE BEEN MODIFIED FROM THE ORIGINALLY APPROVED SYSTEM, A WALL DESIGN AND SET OF PLANS AND CALCULATIONS FOR THIS WALL SYSTEM CANNOT BE SUBMITTED FOR REVIEW AND APPROVAL UNTIL THE WALL SYSTEM DESIGNER WHO ORIGINALLY SUBMITTED THE WALL SYSTEM FOR APPROVAL BY TDOT SUBMITS A REQUEST FOR RE-APPROVAL UTILIZING THE MODIFIED ELEMENTS OF THE WALL. THIS SUBMITTAL DOES NOT GUARANTEE APPROVAL OF THE MODIFIED SYSTEM. IF THIS RE-APPROVAL PROCESS DOES NOT MEET THE CONTRACTOR'S SCHEDULE OR IF THE MODIFIED SYSTEM IS NOT APPROVED, THE CONTRACTOR/WALL DESIGNER SHALL PROVIDE A WALL DESIGN FOR ONE OF THE APPROVED SYSTEMS AT NO CHANGE IN CONTRACT PRICE FOR THE RETAINING WALL AND NO CHANGE IN PROJECT SCHEDULE REQUIREMENTS WILL BE ALLOWED.

THE WALL DESIGNER SHALL PROVIDE RETAINING WALL PLANS, DETAILS AND CALCULATIONS AS REQUIRED BY SPECIAL PROVISION 624 AND AS REQUIRED HEREIN.

- THE WALL DESIGNER SHALL UTILIZE THE GEOTECHNICAL PARAMETERS AND RESISTANCE FACTORS AS PROVIDED FOR EACH PROJECT RETAINING WALL ON THE WALL CONCEPT SHEET AND RELATED RETAINING WALL SHEETS TO PREPARE AND SUBMIT DESIGN CALCULATIONS. LOAD FACTORS AND OTHER PERTINENT DESIGN REQUIREMENTS PROVIDED IN AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2012 AND INTERIMS SHALL BE USED FOR NON-MSE WALLS AND PUBLICATION FHWA-NHI-10-024/FHWA GEC 011, DESIGN AND CONSTRUCTION OF MECHANICALLY STABILIZED EARTH WALLS AND REINFORCED SOIL SLOPES, NOVEMBER 2009 FOR MSE WALLS.

- CALCULATIONS FOR BOTH INTERNAL AND EXTERNAL STABILITY (SLIDING, ECCENTRICITY, AND BEARING CAPACITY-GLOBAL STABILITY AND SETTLEMENT BEING THE EXCEPTIONS) SHALL BE PROVIDED FOR EACH CRITICAL WALL SECTION WHICH DEMONSTRATES THE REQUIRED CAPACITY TO DEMAND RATIO OF 1.0 IS MET UTILIZING THE DESIGN PARAMETERS PROVIDED. FOR MSE WALLS, THE WALL DESIGNER MUST ADJUST THE REINFORCEMENT LENGTHS BEYOND THOSE MINIMUM REQUIRED LENGTHS, IF REQUIRED, TO MEET BOTH INTERNAL AND EXTERNAL REQUIREMENTS. THE WALL DESIGNER/CONTRACTOR PLANS MUST INCLUDE ANY FOUNDATION IMPROVEMENTS AS REQUIRED HEREIN ON THE WALL DESIGNER/CONTRACTOR'S WALL ELEVATION VIEWS AND ANY CROSS-SECTIONAL DETAIL DRAWINGS.

- UNLESS OTHERWISE STATED, THE WALL DESIGNER CAN ASSUME THAT MINIMUM GLOBAL STABILITY AND SETTLEMENT CRITERIA IS ACHIEVED WITH A WALL DESIGN MEETING OTHER MINIMUM EXTERNAL STABILITY REQUIREMENTS AND ASSUMING WALL FOUNDATION CONDITIONS ARE MET. WHILE THE WALL DESIGNER'S DESIGN MUST DEMONSTRATE COMPLIANCE WITH EXTERNAL STABILITY REQUIREMENTS AS DISCUSSED ABOVE, THE WALL DESIGNER MAY PROVIDE CERTIFICATION (BY SIGNING AND STAMPING BY PROFESSIONAL ENGINEER REGISTERED IN STATE OF TENNESSEE) OF THE WALLS PLANS AND CALCULATIONS "FOR INTERNAL STABILITY ONLY".

- LOAD COMBINATIONS STRENGTH I, EXTREME EVENT I, AND EXTREME EVENT II AS GIVEN IN TABLE 4-1 OF PUBLICATION FHWA-NHI-10-024/FHWA GEC 011, DESIGN AND CONSTRUCTION OF MECHANICALLY STABILIZED EARTH WALLS AND REINFORCED SOIL SLOPES, NOVEMBER 2009 FOR MSE WALLS SHALL BE EVALUATED FOR MSE WALLS. LOAD COMBINATIONS FOR OTHER WALL TYPES SHALL BE AS GIVEN IN AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2012 AND INTERIMS

NOTE REGARDING CONSTRUCTION SLOPES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING THE EXCAVATION IN ACCORDANCE WITH OSHA AND OTHER APPLICABLE STATE AND LOCAL REGULATIONS REGARDING CONSTRUCTION SLOPES AND TRENCHES. IN ADDITION TO FOLLOWING APPLICABLE REGULATORY REQUIREMENTS, AS A MINIMUM REQUIREMENT, ALL TEMPORARY CONSTRUCTION SLOPES SHALL BE PLACED AT A MAXIMUM OF A 1:1 SLOPE IN SOIL AND SHALL NOT BE LEFT OPEN WITHOUT SHORING FOR ANY LONGER THAN ABSOLUTELY NECESSARY. THE CONTRACTOR BUILDING THE WALL SHALL ENSURE THAT THESE TEMPORARY BACK SLOPES ARE NOT AND DO NOT BECOME UNSTABLE. IF SLOPE IS UNSTABLE, BECOMES UNSTABLE, IS CUT STEEPER THAN A 1:1 SLOPE OR IS UNACCEPTABLE FOR ANOTHER REASON, THEN TEMPORARY SHORING SHALL BE USED. ANY UNUSUAL SOIL CONDITIONS OTHER THAN THOSE ASSUMED SHOULD BE REPORTED TO THE PROJECT ENGINEER.

ACCEPTABLE WALL TYPES

THE RETAINING WALL SHALL BE ONE OF THE WALL TYPES LISTED BELOW. FOR RETAINING WALL SYSTEMS LISTED AS BIN WALL, CRIB WALL, MSE (EITHER SEGMENTAL PANEL OR MODULAR BLOCK) AND GROUND ANCHOR WALL, THE SPECIFIC WALL SYSTEM SUPPLIER/INSTALLER SHALL BE ONE OF THOSE LISTED AS PRE-APPROVED IN THE SPECIAL PROVISION 624.

CONCRETE GRAVITY WALL
CAST-IN-PLACE CONCRETE CANTILEVER WALL

TABLE 1-DESIGN REQUIREMENTS AND PARAMETERS

DESCRIPTION	VALUE-MSE WALLS	VALUE-OTHER WALLS	NOTE *
DESIGN LIFE		75 YEARS	
SEISMIC ACCELERATION COEFFICIENT (As)		✳	
EFFECTIVE (DRAINED) FRICTION ANGLE			
RETAINED BACKFILL-UNCLASSIFIED SITE OR BORROW SOIL		27°	
RETAINED BACKFILL-SELECT BACKFILL		34° TO MAX 40°	1
REINFORCED BACKFILL		NOT APPLICABLE	1
UNIT WEIGHT			
UNCLASSIFIED SITE OR BORROW SOIL		115 POUNDS PER CUBIC FOOT	
SELECT BACKFILL MATERIAL		VARIES	1A
MINIMUM LENGTH OF SOIL REINFORCEMENT, B		NOT APPLICABLE	2,2A
LIMITING ECCENTRICITY		B/3 (SOIL), 9B/20 (ROCK)	
COEFFICIENT OF SLIDING FRICTION		SEE TABLE 2 OR 3	3
NOMINAL BEARING CAPACITY		SEE TABLE 2 OR 3	3
RESISTANCE FACTORS			
SLIDING-STATIC		1.0	4
SLIDING-COMBINED STATIC+EARTHQUAKE		0.9	4
BEARING-STATIC		0.55	5
BEARING-COMBINED STATIC+EARTHQUAKE		0.8	
PULLOUT RESISTANCE			
STATIC		NOT APPLICABLE	6
COMBINED STATIC/EARTHQUAKE		NOT APPLICABLE	6
TENSILE RESISTANCE OF METALLIC REINFORCEMENTS AND CONNECTORS		NOT APPLICABLE	
STATIC		NOT APPLICABLE	
-STRIP REINFORCEMENT			7
-GRID REINFORCEMENT			7,8
COMBINED STATIC/EARTHQUAKE			
-STRIP REINFORCEMENT			7
-GRID REINFORCEMENT		NOT APPLICABLE	7,8
TENSILE RESISTANCE OF GEOSYNTHETIC REINFORCEMENTS AND CONNECTORS		NOT APPLICABLE	
STATIC		NOT APPLICABLE	
COMBINED STATIC/EARTHQUAKE		NOT APPLICABLE	
*REFER TO TABLE 1.1 FOR NOTES.			

TABLE 1.1
NOTES FOR TABLE 1

NO.	NOTE
1	A MINIMUM FRICTION ANGLE OF 34 DEGREES CAN BE ASSUMED FOR MATERIAL MEETING SPECIFICATIONS IN SECTION F, PART1, AND ITEM E OF TENNESSEE DEPARTMENT OF TRANSPORTATION SPECIAL PROVISION 624 REGARDING RETAINING WALLS. A HIGHER FRICTION ANGLE CAN BE UTILIZED IF THE CONTRACTOR SUBMITS INDEPENDENT TESTING AND IT IS VERIFIED BY TDOT. HOWEVER, IN NO CASE SHALL THE FRICTION ANGLE FOR ANALYSIS EXCEED 40-DEGREES.
1A	SELECT BACKFILL UNIT WEIGHT TO BE DETERMINED BY CONTRACTOR/DESIGNER DEPENDING ON ACTUAL BACKFILL MATERIAL USED. SELECT BACKFILL IS DEFINED AS MATERIAL MEETING SPECIFICATIONS IN SECTION F, PART 1, AND ITEM E OF TENNESSEE DEPARTMENT OF TRANSPORTATION SPECIAL PROVISION 624 REGARDING RETAINING WALLS. IN ORDER TO UTILIZE ϕ FOR SELECT BACKFILL DESIGN, SELECT BACKFILL MUST BE PLACED FOR A MINIMUM ZONE FORMED BY A 1:1 SLOPE FROM 2 FEET BEHIND THE BOTTOM OF BACK OF WALL FOOTING OR REINFORCED SOIL ZONE FOR MSE WALLS UP TO FINISHED GRADE.
2	H IS DESIGN HEIGHT OF THE WALL AND IS DEFINED AS THE DIFFERENCE IN ELEVATION BETWEEN THE FINISHED GRADE AT THE TOP OF THE WALL AND THE TOP OF LEVELING PAD OR BOTTOM OF FOOTING FOR NON-MSE WALLS. THE TOP OF THE LEVELING PAD SHALL ALWAYS BE BELOW THE MINIMUM EMBEDMENT REFERENCE LINE AS INDICATED ON THE PLANS FOR THAT LOCATION. THE LENGTH OF THE SOIL REINFORCEMENT, B, IS MEASURED FROM THE BACKFACE OF THE WALL FACING UNIT. IN CASE OF GRID TYPE REINFORCEMENTS THE LENGTH OF THE SOIL REINFORCEMENT IS MEASURED FROM THE BACKFACE OF THE WALL FACING UNIT TO THE LAST FULL TRANSVERSE MEMBER. FOR MODULAR BLOCKFACING UNITS, THE TOTAL LENGTH OF THE REINFORCEMENT, Br AS MEASURED FROM THE FRONT FACE OF THE WALLIS THE LENGTH B AS DEFINED ABOVE PLUS THE WIDTH OF THE MODULAR BLOCK UNIT (THE HORIZONTAL DIMENSION OF THE BLOCK UNIT MEASURED PERPENDICULAR TO THE WALL FACE).
2A	WALL DESIGNER MUST ADJUST THE REINFORCEMENT LENGTHS BEYOND THOSE MINIMUM REQUIRED LENGTHS, IF REQUIRED, TO MEET BOTH INTERNAL AND EXTERNAL STABILITY REQUIREMENTS. MINIMUM REINFORCEMENT LENGTHS MAY BE REQUIRED FOR GLOBAL STABILITY. THIS REQUIREMENT WILL BE SHOWN IN THE PLANS.
3	THESE VALUES WILL BE PROVIDED IN TABLES 2 AND/OR 3
4	PASSIVE RESISTANCE SHALL NOT BE CONSIDERED IN EVALUATION OF SLIDING RESISTANCE.
5	FOR ALL LIMIT STATES, THE DESIGN LOADING FOR THE MSE RETAINING WALL SYSTEM SHALL NOT EXCEED THE FACTORED GENERAL AND LOCAL BEARING RESISTANCE SPECIFIED IN TABLES 2 OR 3.
6	LIVE LOAD DUE TO VEHICULAR TRAFFIC SHALL BE INCLUDED IN THE COMPUTATUONS TO DETERMINE THE MAXIMUM TENSILE FORCES IN REINFORCEMENT LAYERS, BUT SHALL BE NEGLECTED IN THE COMPUTATIONS FOR PULLOUT RESISTANCE.
7	APPLY TO GROSS CROSS-SECTION LESS SACRIFICIAL AREA. FOR SECTIONS WITH HOLES, REDUCE GROSS AREA IN ACCORDANCE WITH ARTICLE 6.8.3 OF AASHTO (2012) AND APPLY TO NET SECTION LESS SACRIFICIAL AREA.
8	APPLIES TO GRID REINFORCEMENTS CONNECTED TO A RIGID FACING ELEMENT, E.G., A CONCRETE PANEL OR BLOCK. FOR GRID REINFORCEMENTS CONNECTED TO A FLEXIBLE FACING MAT OR WHICH ARE CONTINUOUS WITH THE FACING MAT, USE THE RESISTANCE FACTOR FOR STRIP REINFORCEMENTS.

✳ ✳ WALL DESIGN IS TO INCLUDE EXTREME EVENT I STATE LOADS. THE TDOT STRUCTURES DIVISION WILL PROVIDE GROUND MOTION VALUES FOR THE SITE. THIS BOX IS TO BE REMOVED AFTER STRUCTURES DIVISION HAS INSERTED THIS (As) VALUE.

TABLE 3-FOUNDATION PARAMETERS AND REQUIREMENTS FOR OTHER GRAVITY OR SEMI-GRAVITY WALLS

STATION LIMITS	FOUNDATION BEARING CONDITION REQUIREMENT	NOMINAL BEARING PRESSURE (psf)	COEFFICIENT OF SLIDING FRICTION
142+50 TO 143+20	ON SOIL	6,000	0.37

OTHER DESIGN REQUIREMENTS

THE WALL SHALL HAVE A DRAINAGE GUTTER AT THE TOP DESIGNED TO CARRY SURFACE RUNOFF TO EITHER OR BOTH ENDS OF WALLS. DETAILS OF THIS DRAINAGE FEATURE SHALL BE PROVIDED IN WALL DESIGNER/CONTRACTOR'S WALL DESIGN PLANS. IF A CONCRETE CANTILEVER WALL IS USED, THE WALL DESIGNER MUST PROVIDE FOR A DRAINAGE LAYER BEHIND THE WALL STEM WITH ADEQUATE DRAINAGE PROVIDED VIA WEEP HOLES.

IF CAST-IN-PLACE CONCRETE CANTILEVER WALL IS USE, BASE MUST BE EQUAL TO OR GREATER THAN THE HEIGHT OF THE WALL.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL DESIGN NOTES AND REQUIREMENTS RETAINING WALL STATE ROUTE 65

STA.142+50 TO STA.143+20
ROBERTSON COUNTY

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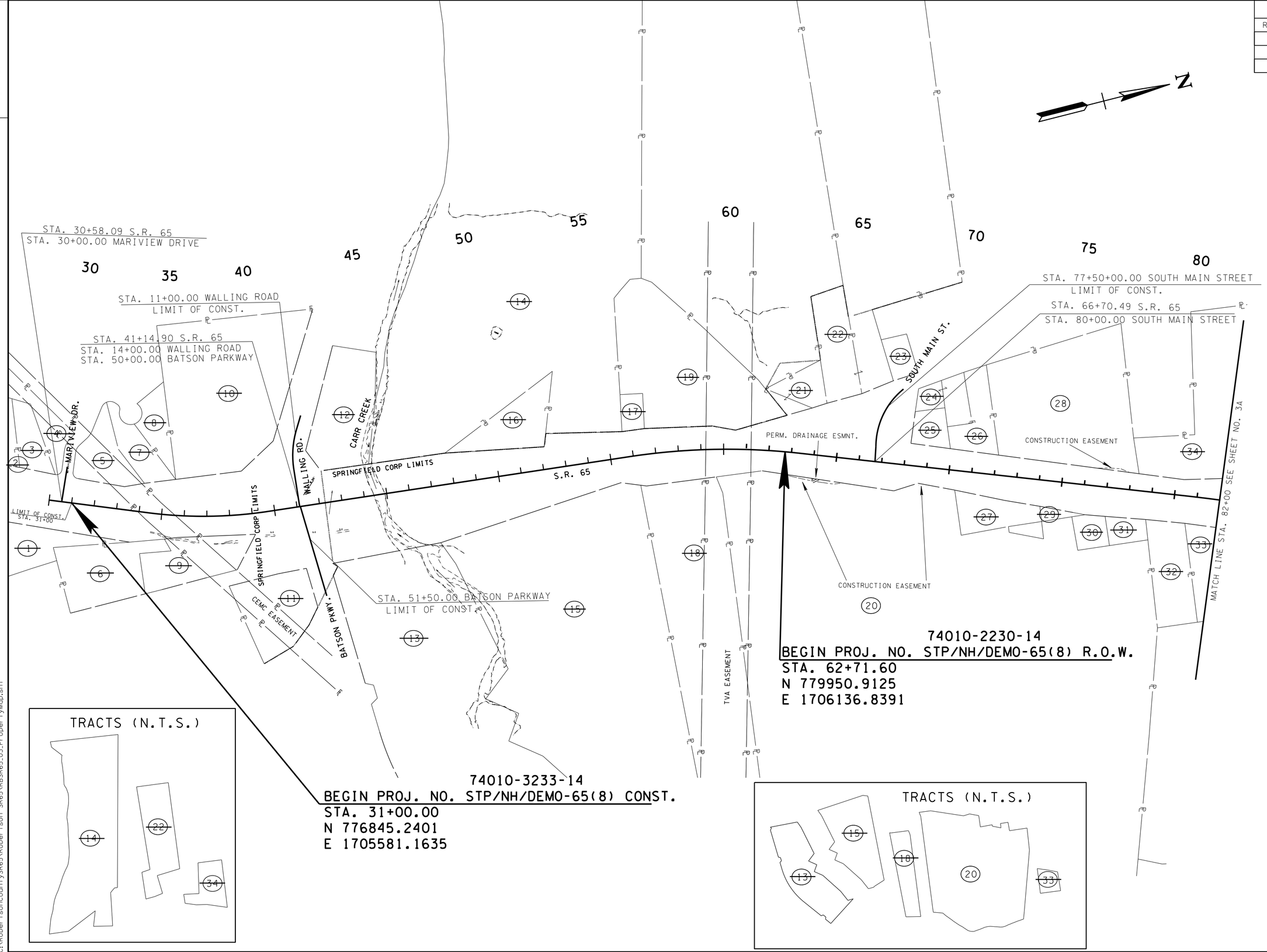
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	3
CONST	2015	STP/NH/DEMO-65(8)	3



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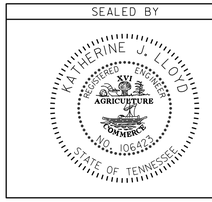

COORDINATES ARE NAD/B31(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 30+00 TO STA. 82+00

SCALE: 1"=200'

19-MAY-2015 09:45
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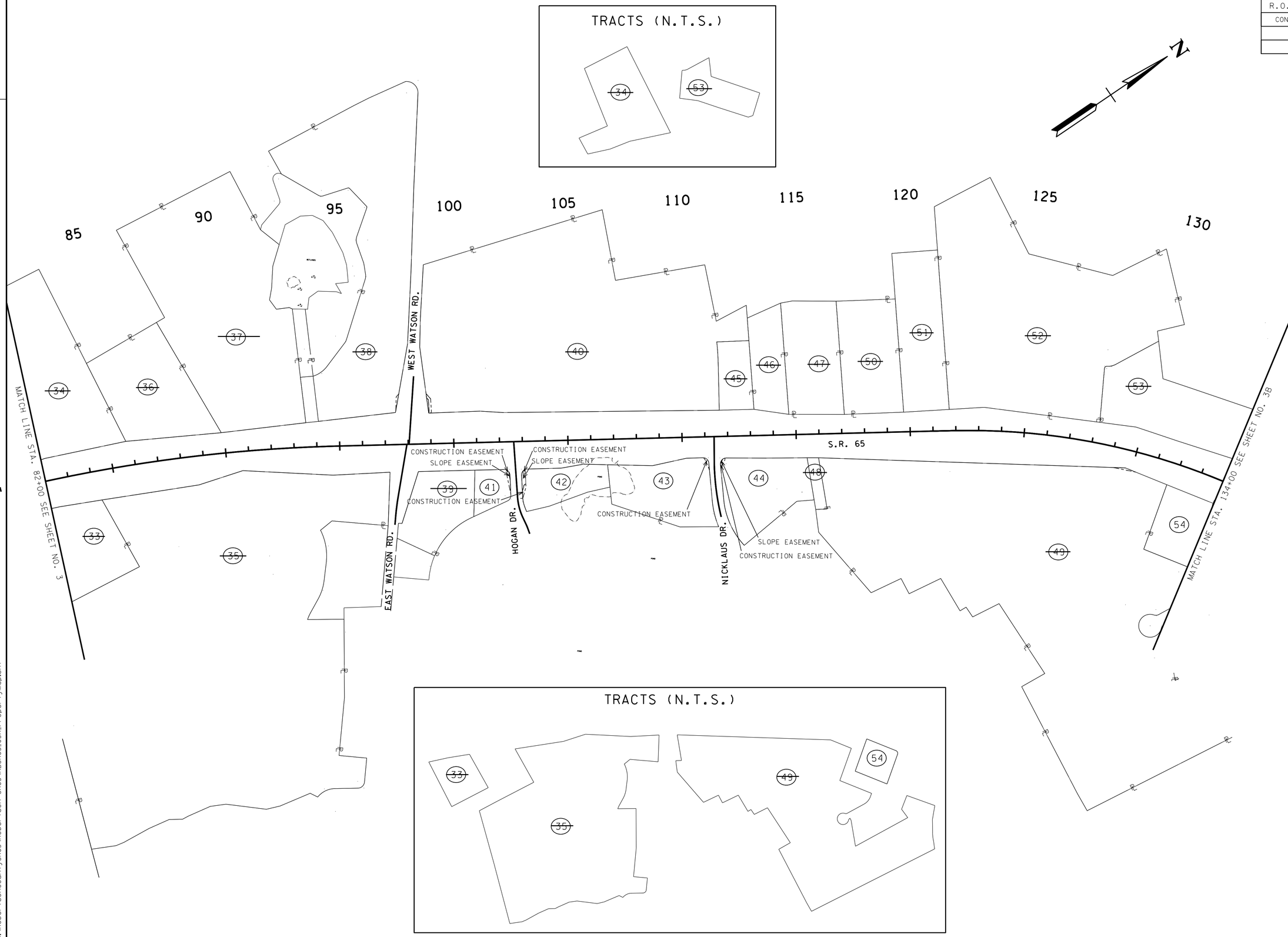
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	3A
CONST	2015	STP/NH/DEMO-65(8)	3A



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 82+00 TO STA. 134+00

SCALE: 1"=200'

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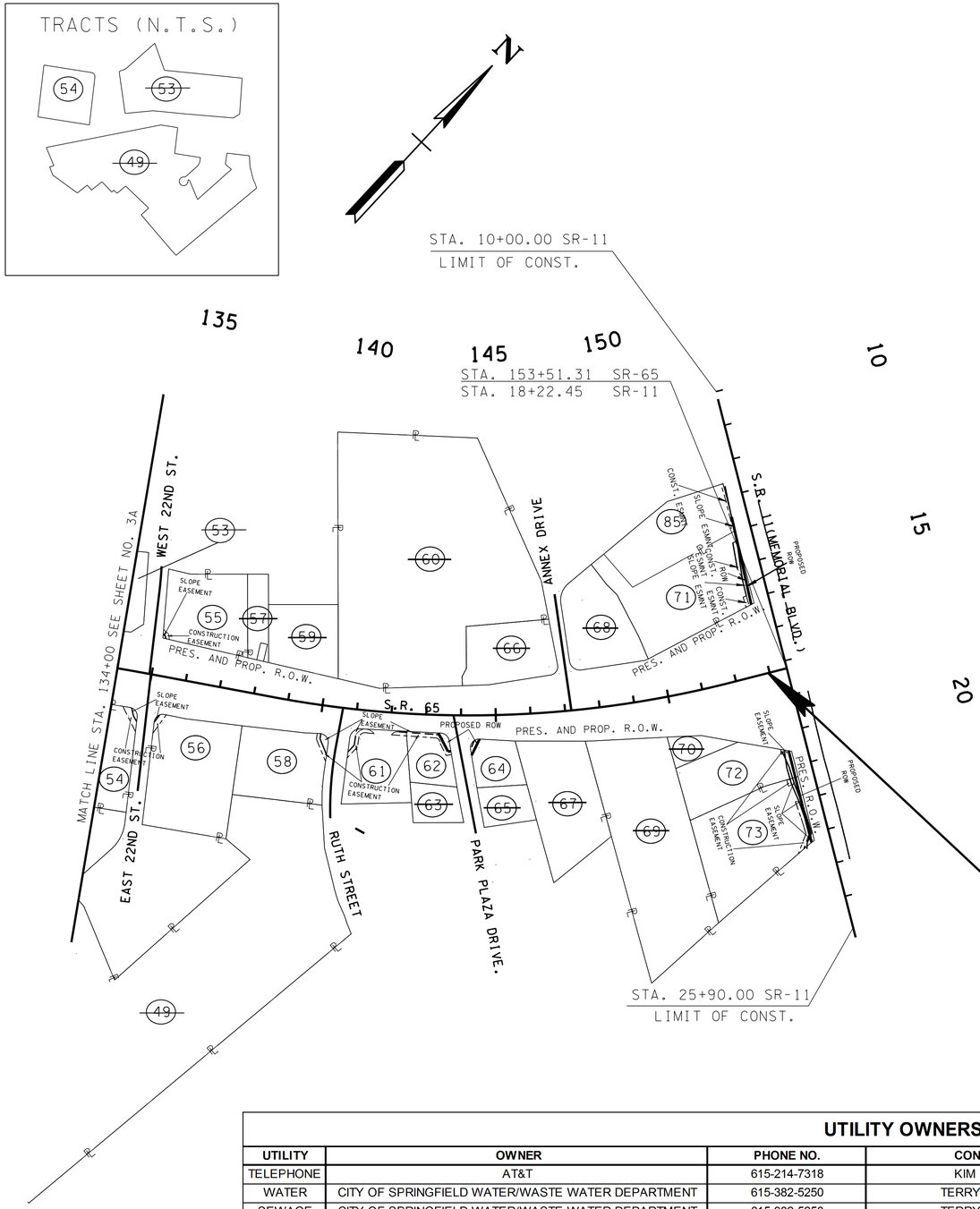
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	3B
CONST	2015	STP/NH/DEMO-65(8)	3B

REV. 06/09/10: ADDED TRACT 85 AND PROPERTY LINE BETWEEN TRACTS 71 & 85.

REV. 10/13//10: REVISED CONST. ESMNT. ON TRACTS 85 & 71.

REV. 03/08//12: REVISED ROW, SLOPE, & CONST. ESMNT. ON TRACTS 85 & 71.



RIGHT - OF - WAY NOTES

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

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

(3) 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.

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

(5) 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.

(6) 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.

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

(8) 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.

(9) 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.

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

74010-3233-14
74010-2230-14
END PROJ. NO. STP/NH/DEMO-65(8) R.O.W. & CONST.
STA. 152+95.97
N 787287.4843
E 1711096.0223

UTILITY OWNERS

UTILITY	OWNER	PHONE NO.	CONTACT	ADDRESS	CITY	STATE	ZIP CODE
TELEPHONE	AT&T	615-214-7318	KIM BEAN	333 COMMERCE ST, RM 23C-142	NASHVILLE	TN	37201
WATER	CITY OF SPRINGFIELD WATER/WASTE WATER DEPARTMENT	615-382-5250	TERRY BEERS	924 CENTRAL AVENUE	SPRINGFIELD	TN	37172
SEWAGE	CITY OF SPRINGFIELD WATER/WASTE WATER DEPARTMENT	615-382-5250	TERRY BEERS	924 CENTRAL AVENUE	SPRINGFIELD	TN	37172
GAS	CITY OF SPRINGFIELD GAS	615-382-1621	GREG RIDDLE	1311 R.W. GORDON	SPRINGFIELD	TN	37172
ELECTRIC	CUMBERLAND ELECTRIC MEMBERSHIP CORP.	931-645-2481 EXT.1137	MARK COOK	1940 MADISON STREET	CLARKSVILLE	TN	37043
ELECTRIC	CITY OF SPRINGFIELD ELECTRIC	615-384-6770	ROLAND STREETER	718 CENTRAL AVENUE	SPRINGFIELD	TN	37172
ELECTRIC	TENNESSEE VALLEY AUTHORITY	423-751-7673	RANDAL PETTY	1101 MARKET ST MR3F-C	CHATTANOOGA	TN	37402
CABLE	COMCAST	615-244-7462 EXT.1115141	LARRY K. WINBURN	2501 MCGAVOCK PIKE, SUITE 1200	NASHVILLE	TN	37124
FIBER OPTIC	LEVEL III COMMUNICATIONS, INC.	720-888-7280	TIM BOYKIN	1025 ELDORADO BLVD	BROOMFIELD	CO	80021

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 134+00 TO END PROJ.

SCALE: 1"=200'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	3C
CONST	2015	STP/NH/DEMO-65(8)	3C

REV. 09/04/09:UPDATED PROPERTY OWNERS & COUNTY RECORDS ON TRACTS 20, 28, 41, 42.
REV. 10/26/09:UPDATED PROPERTY OWNERS & COUNTY RECORDS ON TRACTS 20 & 41.
REV. 01/15/15:UPDATED PROPERTY OWNER ON TRACT 34.

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 BK.	DEED DOCUMENT PAGE	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM DRAINAGE	SLOPE	CONST.
1	NANCY DORRIS & STEPHEN JOHNSON	104	43.19	860	762		8.500	8.500					8.500			
2	JAMES R. CARR & WIFE TINA M. CARR	104	43	504	203	0.926		0.926				0.926				
3	RALPH W. LUNN, III & WIFE, PAMELA A. LUNN	104	43.09	681	897	0.813		0.813				0.813				
4	JOHN W. SPAHR & WIFE, KARLA SPAHR	104	43.10	330	802	1.366		1.366				1.366				
5	JOSEPH W. OSBORNE	104	43.11	352	941	1.272		1.272				1.272				
6	GEORGE HUTCHERSON & WIFE, MARY C. HUT	104	44	150	28		2.351	2.351					2.351			
7	ELSIE W. LANE	104	43.12	897	556	0.921		0.921				0.921				
8	JUDY K. GANT	104	43.13	296	42	0.820		0.820				0.820				
9	STEVEN A. HUTCHERSON & WIFE, CONNIE D.	104	44.01	503	633		6.044	6.044					6.044			
10	THOMAS L. ALDSTADT & WIFE, BETTI A. ALDS	104	16.06	360	203	8.354		8.354				8.354				
11	JOSEPH EDEN & WIFE, MARY K. EDEN	104	45	131	433		0.996	0.996					0.996			
12	THOMAS L. ALDSTADT & WIFE BETTI A. ALDS	104	16.05	360	203	2.945		2.945				2.945				
13	BILLY BATSON & WIFE, JEAN BATSON	104	15.02	798	741		24.207	24.207					24.207			
14	JACKIE B. SNEED	104	2	177	67	72.706		72.706				72.706				
15	THOMAS E. AUSTIN & WIFE, SUSIE C. AUSTIN	104	7	118	235		24.835	24.835					24.835			
16	STEPHEN R. EDEN & WIFE, ROSEMARY EDEN	104	6.01	206	46	1.659		1.659				1.659				
17	DANNY R. BLEVINS & WIFE KIMBERLY L.	104	6	671	48	0.364		0.364				0.364				
18	SUSIE C. AUSTIN	104	8.02	277	924		10.656	10.656					10.656			
19	DAVID NESBITTE FUQUA & WIFE, ALICE	104	6.03	277	83	4.885		4.885				4.885				
		104	5	743	799	1.878		1.878				1.878				
20	NORTHCREST MEDICAL CENTER	102	34.00	1253	518		73.754	73.754					73.754	435		2066 ①
21	PHILLIP WAYNE BENTON & WIFE, RUBY J.	104	4.03	216	311	0.911		0.911				0.911				
		104	4.05	266	70	0.185		0.185				0.185				
22	PAULA BENTON HUDDLESTON	104	4.04	350	706	1.630		1.630				1.630				
		104	2.03	329	449	20.080		20.080				20.080				
23	MARGARET L. HENDERSON & CAROLYN	104	2.01	355	305	0.484		0.484				0.484				
24	RAYMOND E. MAYO & WIFE, DEBRA E. MAYO	104	9	533	517	0.294		0.294				0.294				
		104	10	527	459	0.530		0.530				0.530				
25	JOHN M. JACKSON, JR., EDWIN C.	104	13	687	59	0.559		0.559				0.559				
26	BELTON P. FORD & JAMES P. FORD	104	11	326	677	1.147		1.147				1.147				
27	JOHN L. GIBSON	104	11.01	545	422		0.773	0.773					0.773			
		104	12.01	545	422		0.315	0.315					0.315			
28	ROBMONT, LLC	102	25.00	999	772	7.428		7.428				7.428				894 ①
29	JOHN M. JACKSON, JR., EDWIN C.	104	12.02	300	309		0.150	0.150					0.150			
30	HENRY J. FORD & WIFE, CAROL SUE FORD	104	13.01	146	16		0.475	0.475					0.475			
31	GREG LAMMERT & JUNE BALDINI	104	13.02	902	221		0.439	0.439					0.439			
32	NORTHCREST MEDICAL CENTER	93	37.05	662	820		2.200	2.200					2.200			
		93	37.04	513	205		1.300	1.300					1.300			
33	SOUTH CENTRAL CONFERENCE OF SEVENTH	93	37.02	307	717		3.165	3.165					3.165			
34	LANGSTON & BLACKWELL PROPERTIES	93	37	109	413	9.228		9.228				9.228				
35	NORTHCREST MEDICAL CENTER	93	37.01	513	205		1.370	1.370					1.370			
		93	36.01	513	205		34.990	34.990					34.990			
36	SKYVIEW TERRACE APARTMENTS, LTD	93	35.02	277	704	4.003		4.003				4.003				
37	YOUNG MEN'S CHRISTIAN ASSOCIATION OF	93	35.04	335	576	12.554		12.554				12.554				
38	AMSOUTH BANK, TRUSTEE	93	35	744	860	9.200		9.200				9.200				
39	JOE H. MOORE AND JOE H. MOORE, JR.	93L/C	50	293	848		0.896	0.896					0.896			
		93L/C	51	293	848		1.102	1.102					1.102			
40	WAL-MART REAL ESTATE BUSINESS TRUST	93	19.34	702	793	21.295		21.295				21.295				
41	S&D ENTERPRISES, INC. OF TN	91J/B	54	351	934		0.601	0.601					0.601		72	723 ①
42	JAMES F. WHITE	91J/B	53	601	679		1.256	1.256					1.256		830	780 ①

① FOR CONSTRUCTION OF SLOPES

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY ACQUISITION TABLE

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	3D
CONST	2015	STP/NH/DEMO-65(8)	3D

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 BK.	DEED DOCUMENT PAGE	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM DRAINAGE	SLOPE	CONST.
43	BILL & WANDA G. CHOATE	91J/B	1, 2	1011	500		2.550	2.550					2.550			352 ①
44	JOHN F. STANCIL & YULLIE STANCIL	91J/C	3, 4, 5, 6	571	291		2.450	2.450					2.450		46	366 ①
45	AMELIA S. MOORE	93E/F	13.00	293	844	1.000		1.000				1.000				
46	BACK PORCH, INC.	93E/F	12	332	324	1.537		1.537				1.537				
47	DANIEL L. SUITER & WIFE, TERESA A. SUITER	93E/F	11	320	927	2.771		2.771				2.771				
48	KEVIN S. DEMERS	93L/C	1.03	519	375		0.260	0.260					0.260			
49	JOE H. MOORE AND JOE H. MOORE, JR.	93	19.22	293	848		37.544	37.544					37.544			
50	ALDI (INDIANA) L.P.	93E/F	10	778	824	2.962		2.962				2.962				
51	AMELIA S. MOORE	93E/F	9	293	844	3.214		3.214				3.214				
52	LOWE'S HOME CENTERS INC.	93E/F	8	811	518	15.806		15.806				15.806				
53	JOE H. MOORE AND JOE H. MOORE, JR.	93E/F	7	293	848	1.840		1.840				1.840				
		93E/F	6	293	848	0.660		0.660				0.660				
		93E/F	5	684	644	0.660		0.660				0.660				
		93E/F	4	711	818	0.990		0.990				0.990				
54	FARMERS & MERCHANTS BANK	91F/A	2	599	845		2.064	2.064					2.064		297	1067①
55	G.S. MOORE & SON	91G/C	16	951	361	1.167		1.167				1.167			74	262 ①
56	JAMES H. & JUDY L. BENSON	91F/A	4	968	150		1.850	1.850					1.850		69	730 ①
57	JOE H. MOORE AND JOE H. MOORE, JR.	93D/R	14.01	293	848	0.341		0.341				0.341				
58	PERKINS INVESTMENT GROUP, LP	91F/A	5	927	295		1.169	1.169					1.169		774	751 ①
59	LEVITT QUACH & WIFE, SHANNON QUACH	93D/R	12	323	235	0.876		0.876				0.876				
60	SOUTHERN PROPERTIES	93D/R	7	911	268	7.921		7.921				7.921				
61	COOPER,MCAFEE,RAYNOR,SOLOMON,YOUNG, SPRINGFIELD, TN REALTY, A JOINT VENTURE	91F/A	6	351	934		0.877	0.877					0.877		1132	862 ①
62	STEPHEN G. SCHOEMER	91F/A	19	324	625		0.434	0.434		850 S.F.	850 S.F.		0.414		63	701 ①
63	MOHAMMAD A. NAGVI AND WIFE, ZAIBI A.	94H/I	8.08	907	43		0.350	0.350					0.350			
64	JOSEPH O. LANDRUM	91F/A	18	318	269		0.422	0.422		532 S.F.	532 S.F.		0.410			
65	ROBERT G. FERLAND & WIFE, JOANN A.	94H/I	8.02	355	851		0.373	0.373					0.373			
66	SECURITY FEDERAL SAVINGS AND LOAN	93D/R	8	279	476	0.983		0.983				0.983				
67	SRINGFIELD ELECTRICAL & PLUMBING	94H/I	5	284	127		1.585	1.585					1.585			
68	G.S. MOORE & SONS	93D/R	5	664	695	1.109		1.109				1.109				
69	THE MOST REVEREND WILLIAM L. ADRIAN,	94H/I	4	126	517		3.500	3.500					3.500			
70	LUCILLE P. BAGGETT AND HUSBAND, HAROLD	94H/I	1	98	77		0.235	0.235					0.235			
71	UNCLE NORTY ENTERPRISES NO. 1	91B/F, 91C	47, 48	664	680	1.860		1.860	1292 S.F.		1292 S.F.	1.830			936	1288①
72	STEPHEN J ROBERSON	91F/A	15	1498	764		1.033	1.033		805 S.F.	805 S.F.		1.015		849	922 ①
73	U.S. BANK NATIONAL ASSOCIATION	91F/A	14	864	391		1.915	1.915		2157 S.F.	2157 S.F.		1.865		280	1367①
74	CENTRE STAGE STATION L.L.C.	91C/G	47.00	1015	386	18.590		18.590				18.590				
75	SPRINGFIELD BONANZA PROPERTIES, L.P.	91C/G	17.00	306	741	0.971		0.971				0.971				
76	LARRY R. BLACKMORE AND SANDRA	91C/G	16.00	1051	311	0.590		0.590				0.590				
77	SALVATORE J. BONACCORSO AND ANNE G.	91C/G	13.00	1013	354	1.960		1.960				1.960				
78	THE CITY OF SPRINGFIELD	91C/E	53.01	122	503	0.120		0.120				0.120				
79	JOHN RILEY MOORE AND JIMMIE M. MOORE,	91F/E	53.00	635	639	0.777		0.777				0.777				
80	CLYDE C. HEAD AND ELAINE W. HEAD	91F/E	54.00	630	718	0.372		0.372				0.372				
81	JAMES A. PALMER	91F/E	55.00	278	627	0.310		0.310				0.310				
82	CONRAD WAYNE TRAUGHBER	91F/E	56.00	998	221	0.326		0.326				0.326				
83	RODNEY J. WATCHER	91C/E	58.00	273	317	0.286		0.286				0.286				
84	THE GEORGE A. PRICE FAMILY PARTNERSHIP,	91C/E	41.00	334	131	0.304		0.304				0.304				
85	UNCLE NORTY ENTERPRISES NO. 1	91B/F, 91C	47, 48	664	680	1.265		1.265				1.265			35	668 ①

① FOR CONSTRUCTION OF SLOPES

DISTURBED AREA	
IN BETWEEN SLOPE LINES	44.480 (ACRES)
CONSTRUCTION EASEMENT (OUTSIDE SLOPE LINES)	0.317 (ACRES)
TOTAL DISTURBED AREA	44.797 (ACRES)

REV. 09/04/09: UPDATED PROPERTY OWNERS & COUNTY RECORDS ON TRACTS 43, 44, 54, 55, 56, 58, 61, 62, 64, 71, 72, 73.
REV. 10/26/09: UPDATED PROPERTY OWNER & COUNTY RECORDS ON TRACT 61.
REV. 06/09/10: ADDED PROPERTY OWNER & COUNTY RECORDS ON TRACT 85. UPDATED ROW & EASEMENTS ON TRACT 71.
REV. 11/16/10: DELETED CONST. ESMNT. ON TRACT 85. REVISED SLOPE ESMNT. ON TRACT 85. REVISED SLOPE & CONST. ESMNTS ON TRACTS 61, 62, 71 & 72
REV. 04/06/11: REVISED ROW, SLOPE,AND CONST. ESMNT. ON TRACTS 71, 72, 73, & 85.
REV. 04/21/11: REVISED ROW ESMNT. ON TRACT 71 & 72.
REV. 04/21/11: REVISED ROW, SLOPE, & CONST.ESMNT. ON TRACT 71 & 85.
REV. 10/15/12: REVISED SLOPE & CONST. ESMNT. ON TRACT 62.
REV. 02/15/13: REVISED BOOK & PAGE ON TRACT 61.
REV. 07/23/13: REVISED NAME, BOOK, & PAGE ON TRACT 72.
REV. 09/10/13: REVISED NAME TRACT 61.
REV. 09/16/13: REVISED DEED BOOK & PAGE ON TRACT 61.

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DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY ACQUISITION TABLE

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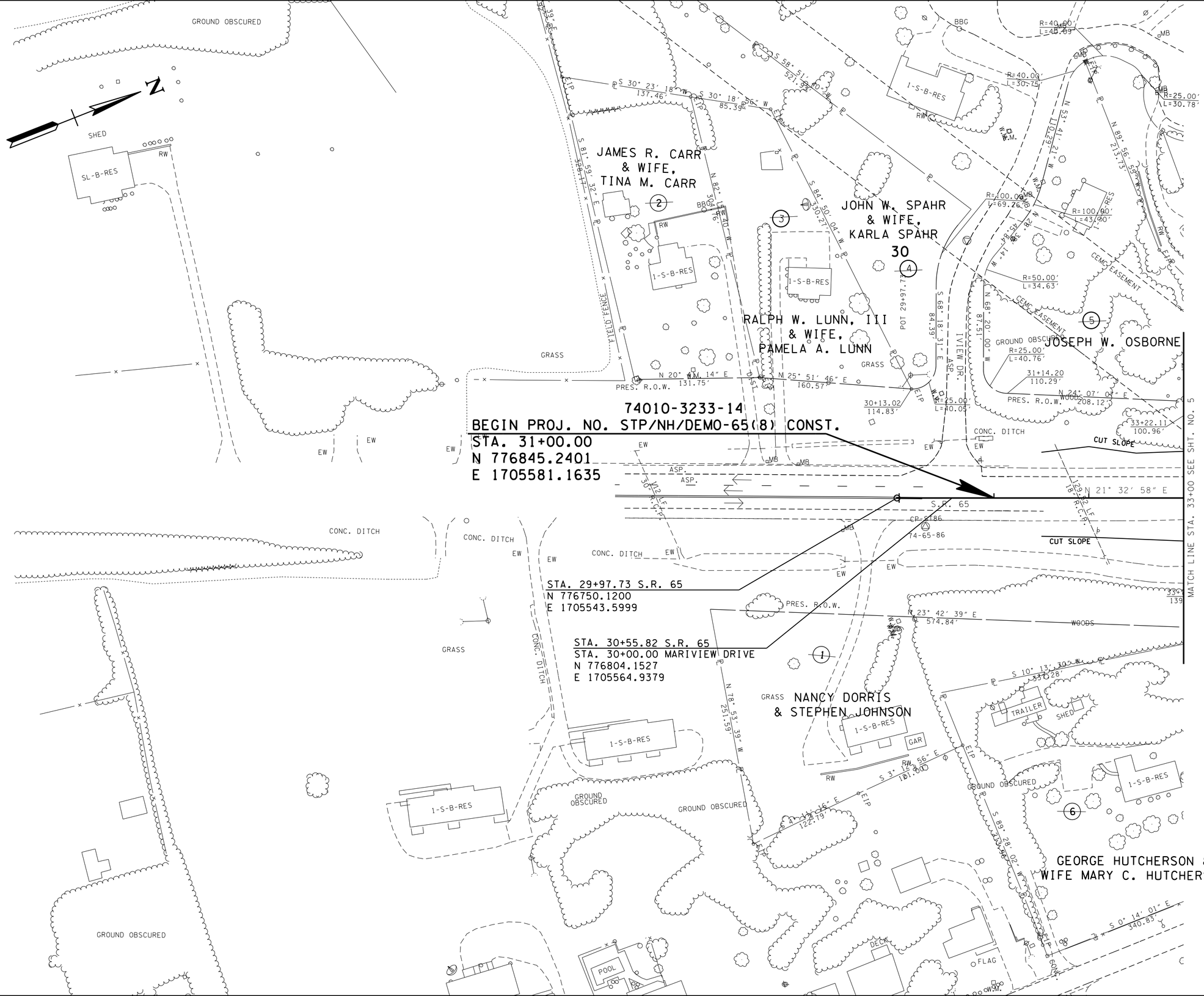
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	4
CONST	2015	STP/NH/DEMO-65(8)	4



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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 30+00 TO STA. 33+00

SCALE: 1"= 50'

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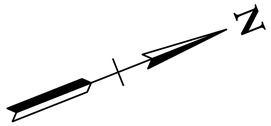
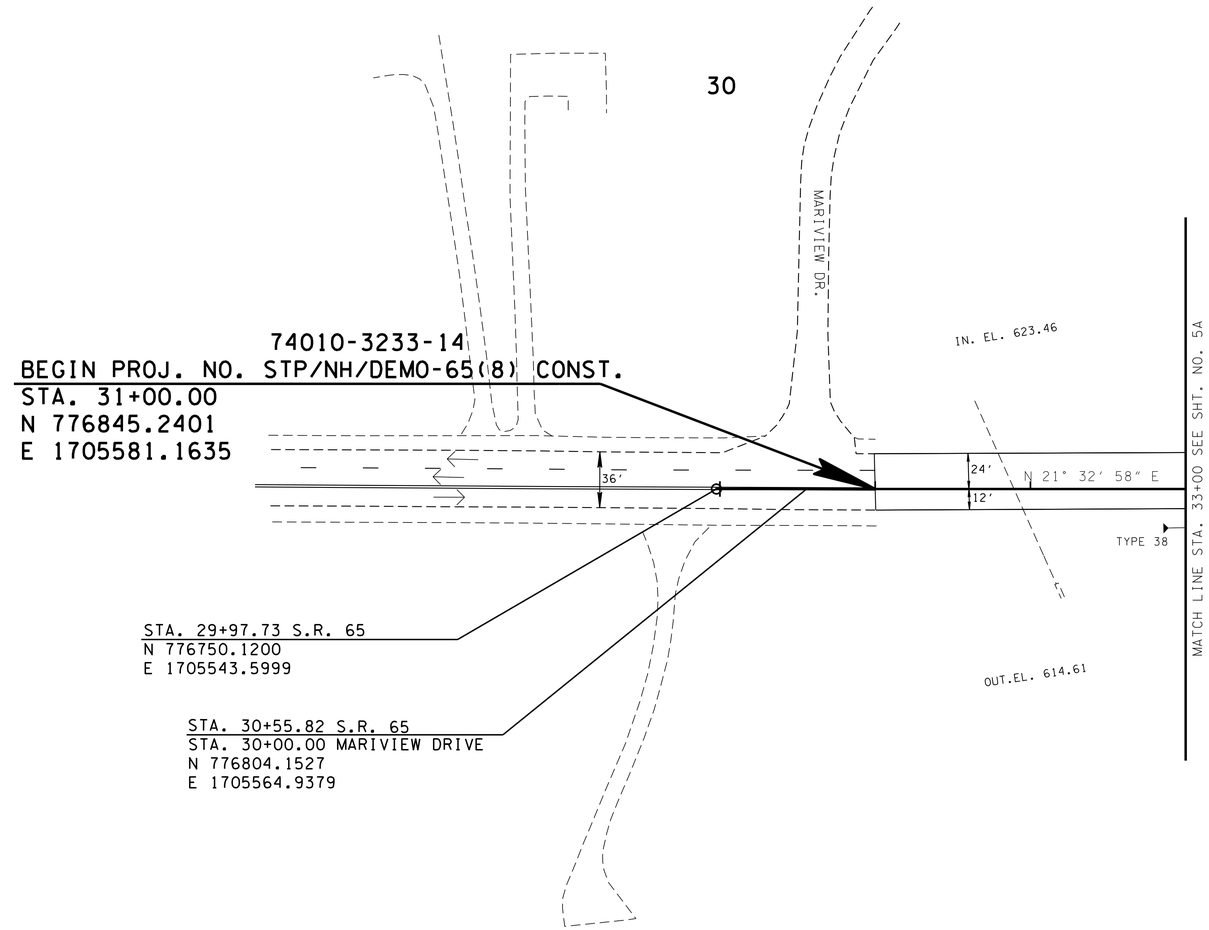
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	4A
CONST	2015	STP/NH/DEMO-65(8)	4A

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





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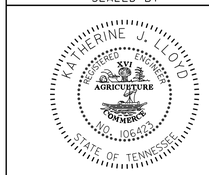

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 30+00 TO STA. 33+00

SCALE: 1"= 50'

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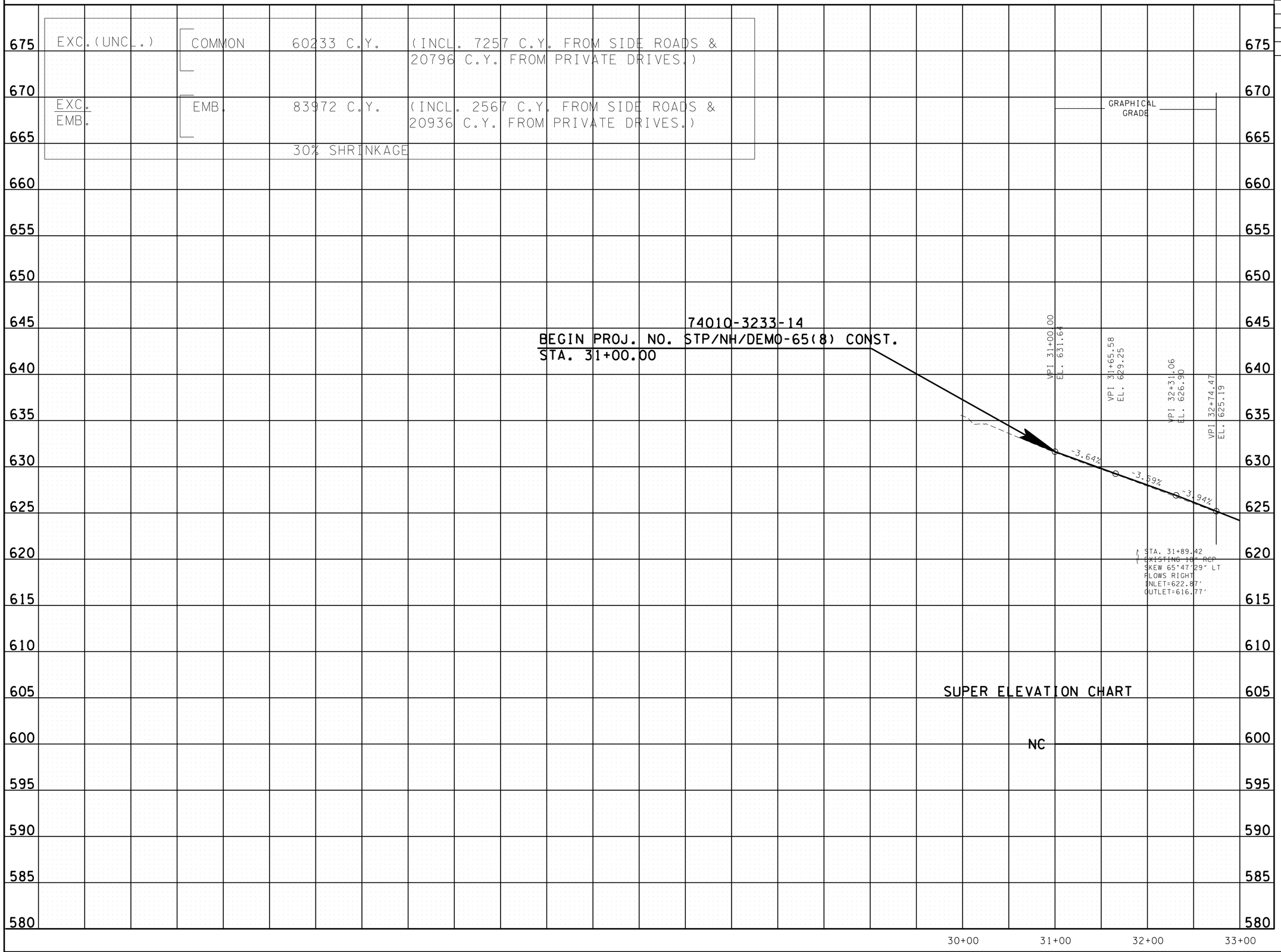
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	4B
CONST	2015	STP/NH/DEMO-65(8)	4B



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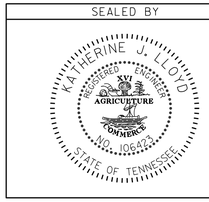

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 30+00 TO STA. 33+00

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

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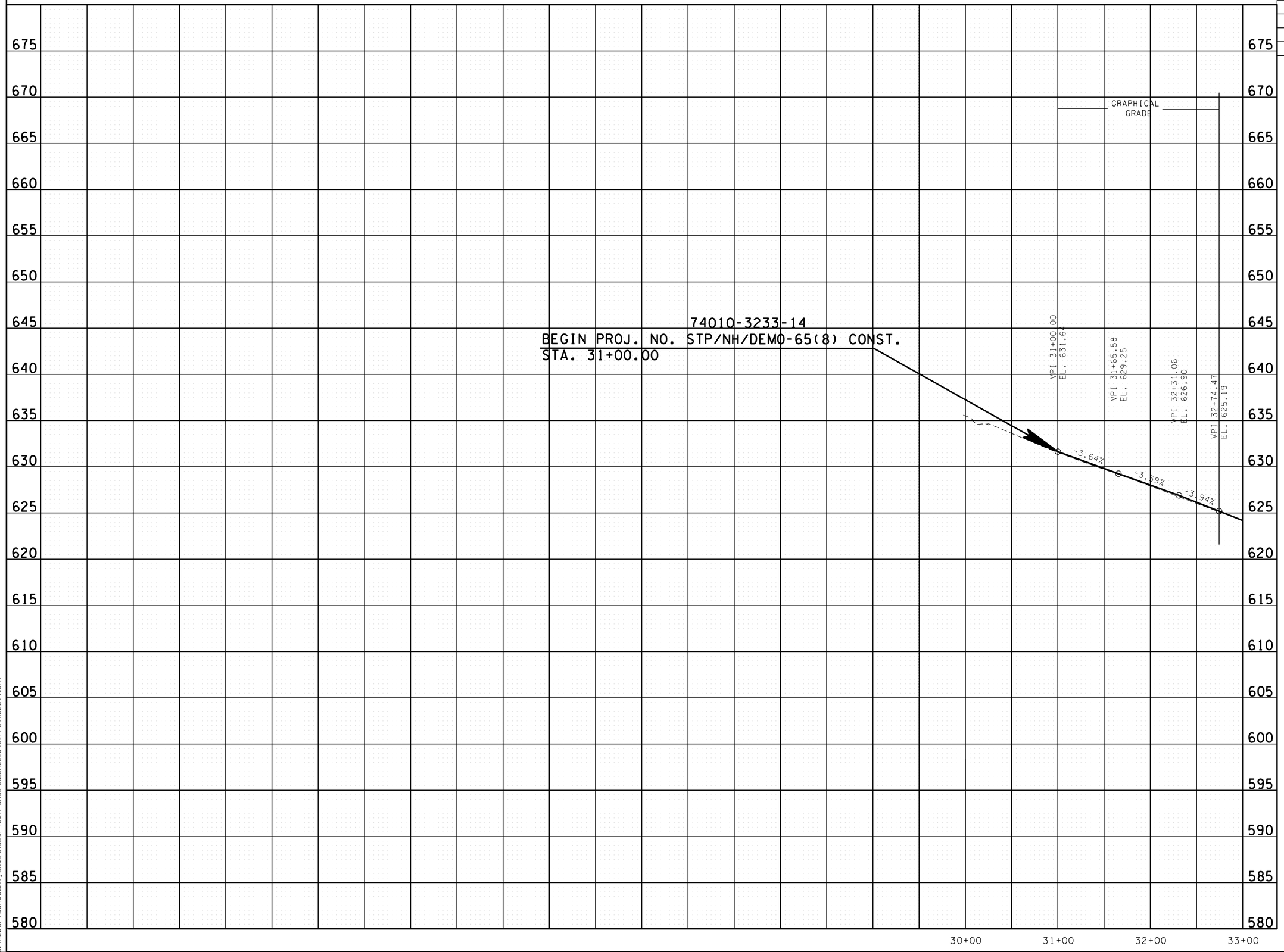
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	4C



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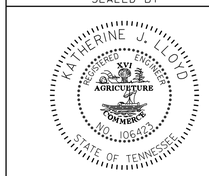

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE LEFT

STA. 30+00 TO STA. 33+00

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

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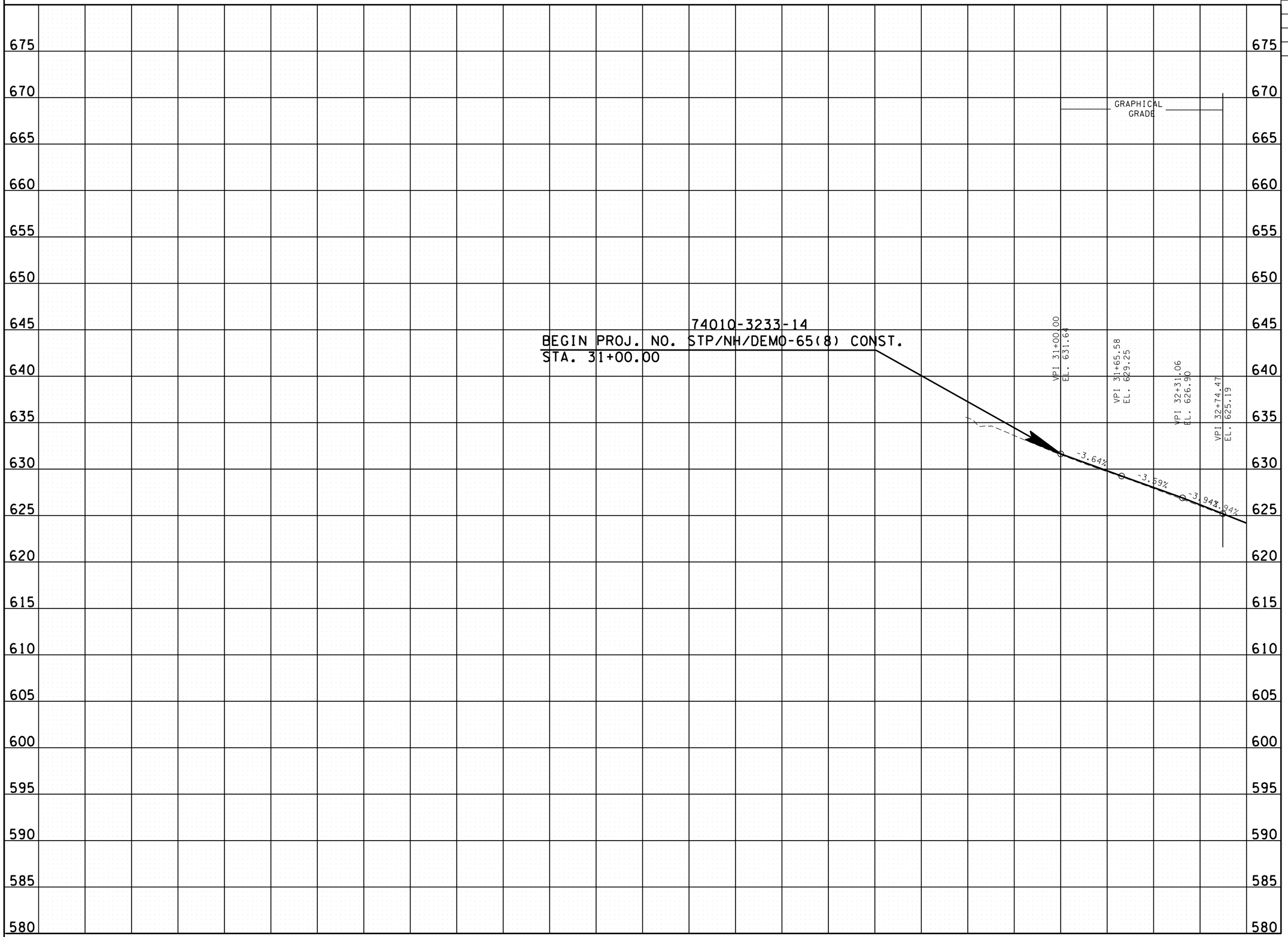
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	4D



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE RIGHT

STA. 30+00 TO STA. 33+00

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

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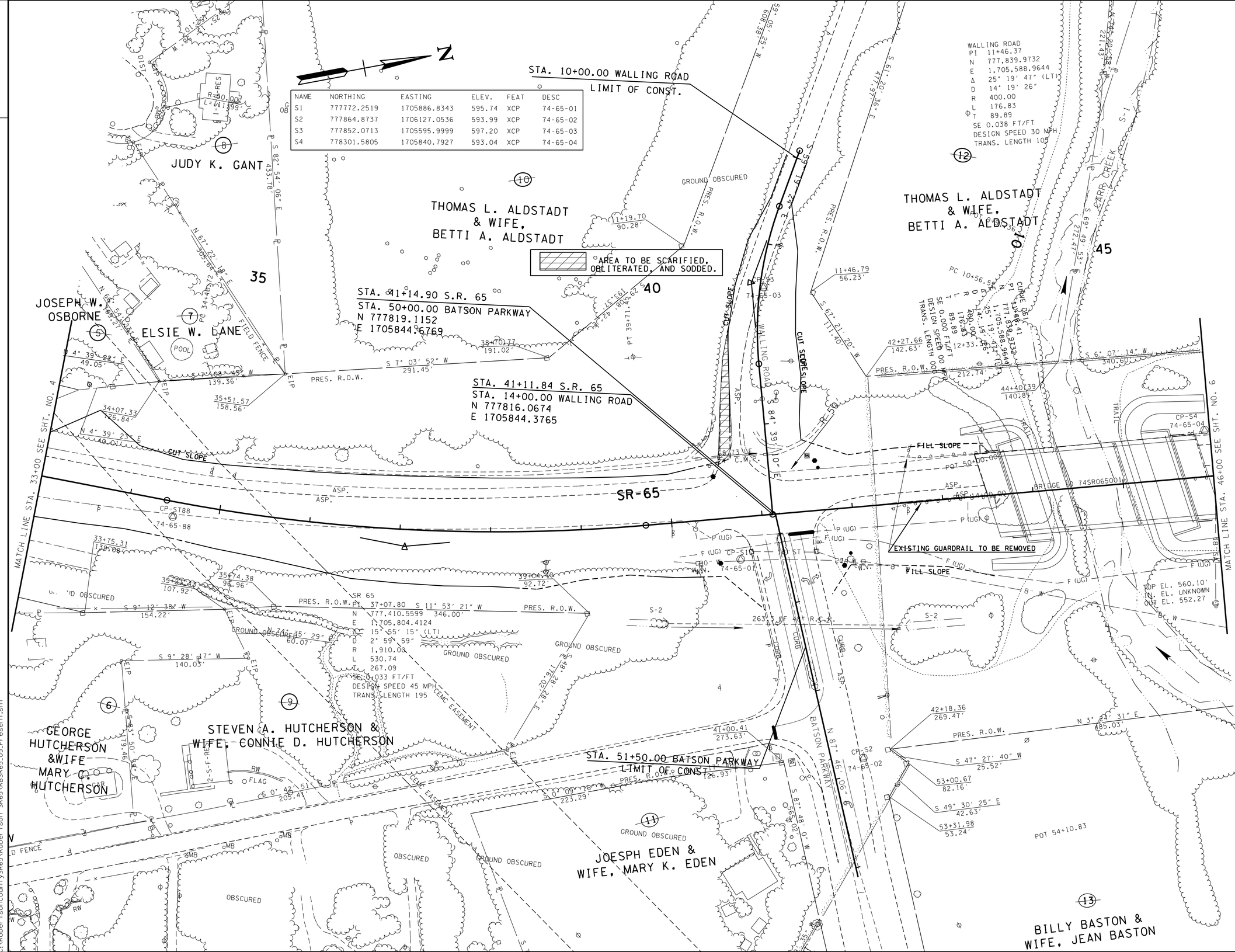
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	5
CONST	2015	STP/NH/DEMO-65(8)	5

REV. 01/15/15: ADDED A SIGNAL AT WALLING /BATSON INTERSECTION.



NAME	NORTHING	EASTING	ELEV.	FEAT	DESC
S1	777772.2519	1705886.8343	595.74	XCP	74-65-01
S2	777864.8737	1706127.0536	593.99	XCP	74-65-02
S3	777852.0713	1705595.9999	597.20	XCP	74-65-03
S4	778301.5805	1705840.7927	593.04	XCP	74-65-04

WALLING ROAD
PI 11+46.37
N 777,839.9732
E 1,705,588.9644
Δ 25° 19' 47" (LT)
D 14° 19' 26"
R 400.00
L 176.83
T 89.89
SE 0.038 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 105

SR 65
PI 37+07.80 S 11° 53' 21" W 346.00'
N 777,410.5599
E 1,705,804.4124
Δ 15° 55' 15" (LT)
D 2° 59' 59"
R 1,910.00
L 530.74
T 267.09
SE 0.033 FT/FT
DESIGN SPEED 45 MPH
TRANS. LENGTH 195

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 33+00 TO STA. 46+00

SCALE: 1"= 50'

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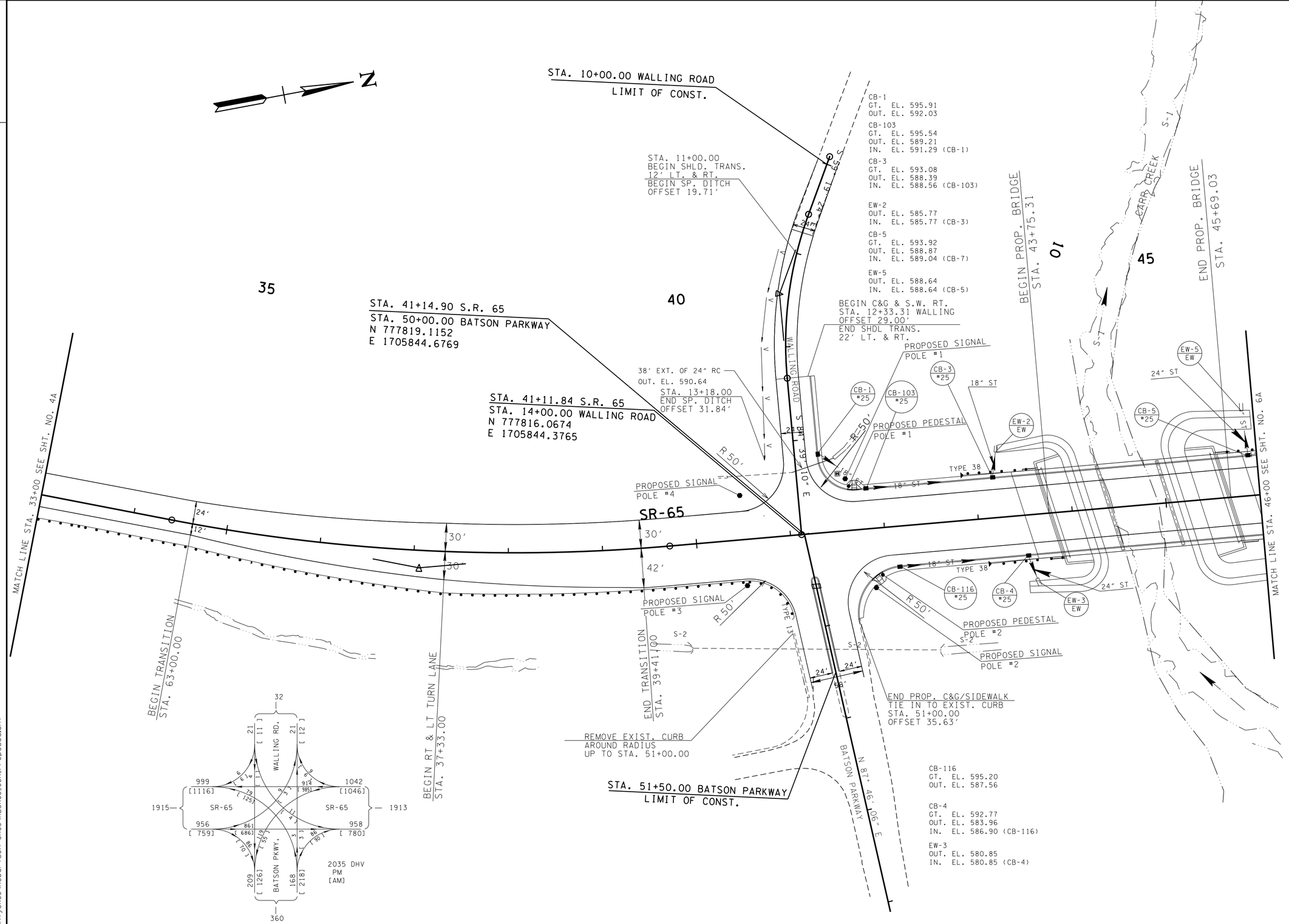
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	5A
CONST	2015	STP/DEMO-65(80)	5A

REV. 01/15/15: ADDED A SIGNAL AT WALLING /BATSON INTERSECTION & NOW 5 LANES (NO CURB & GUTTER) PLUS RIGHT TURN LANE INTO BATSON BEFORE THE INTERSECTION.

REV. 05/19/15: UPDATED GRATE/INLET/OUTLET ELEVATIONS.



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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 33+00 TO STA. 46+00

SCALE: 1"= 50'

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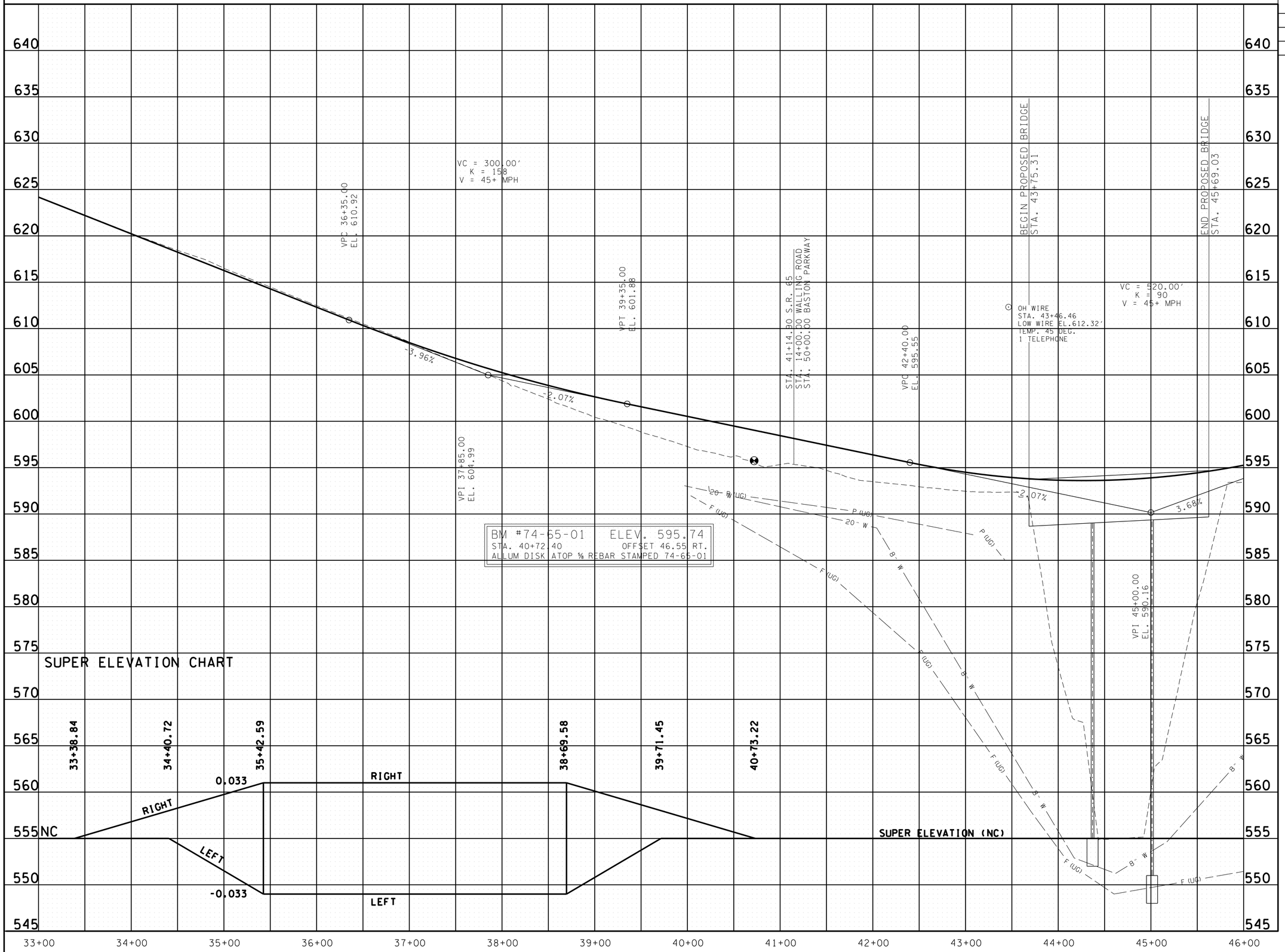
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	5B
CONST	2015	STP/NH/DEMO-65(8)	5B



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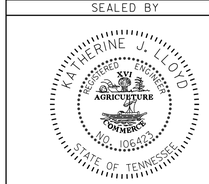

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 33+00 TO STA. 46+00

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

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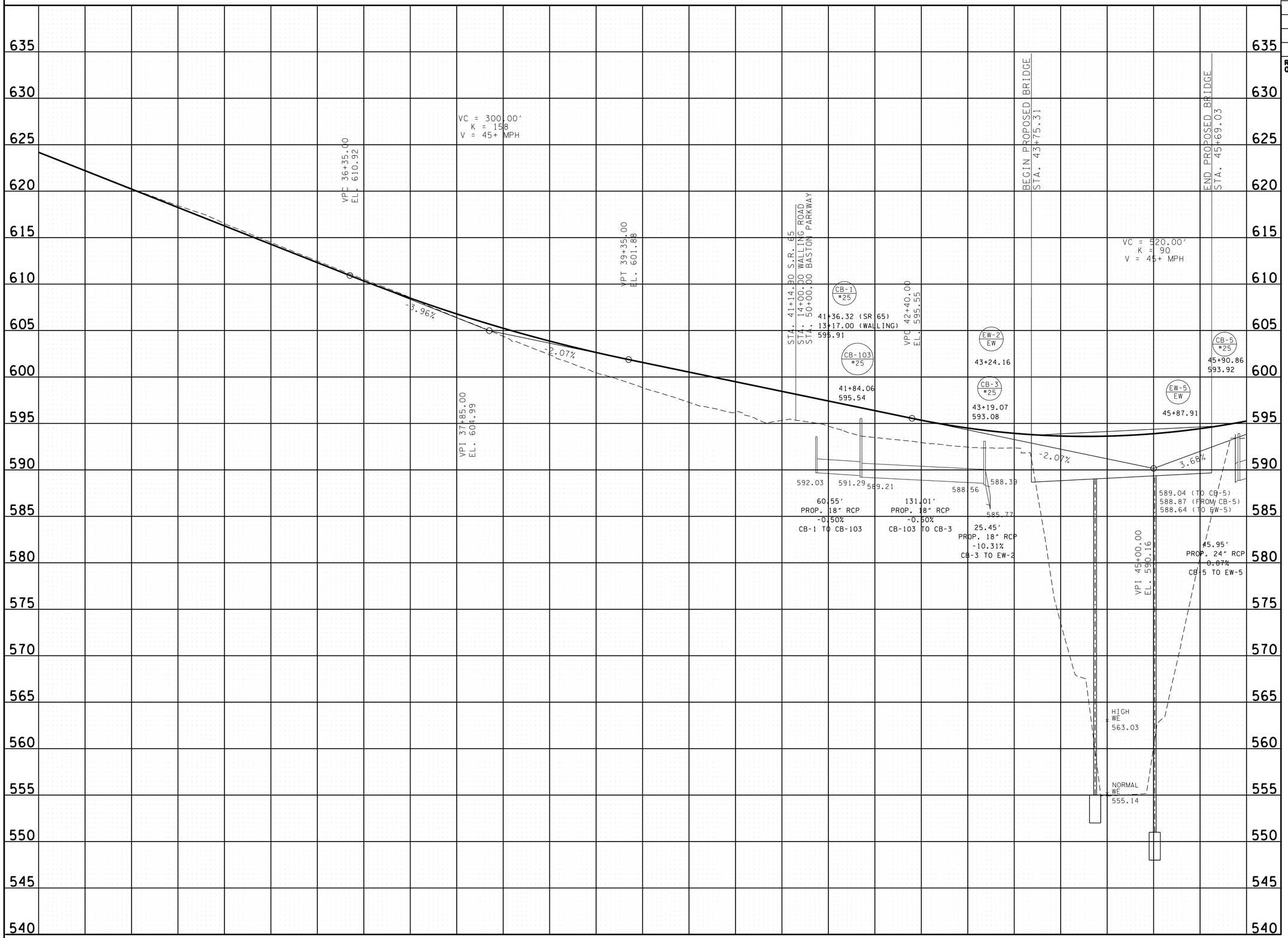
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	5C

REV. 05/19/15: UPDATED GRATE/INLET/ OUTLET ELEVATIONS.



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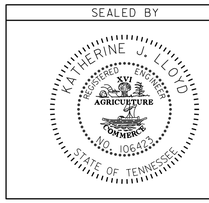

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE LEFT

STA. 33+00 TO STA. 46+00

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

9-MAY-2015 09:48
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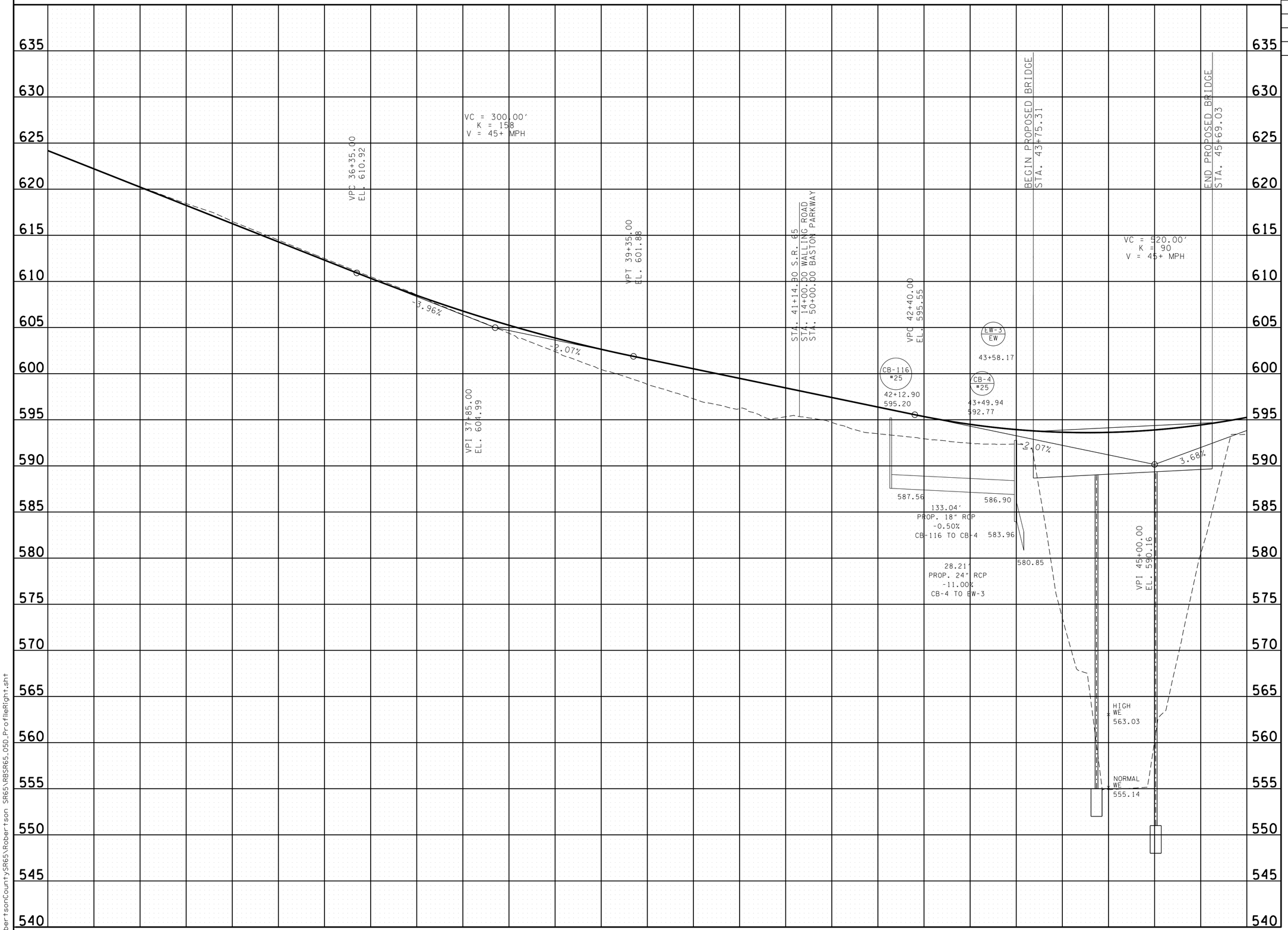
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	5D



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE RIGHT

STA. 33+00 TO STA. 46+00

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

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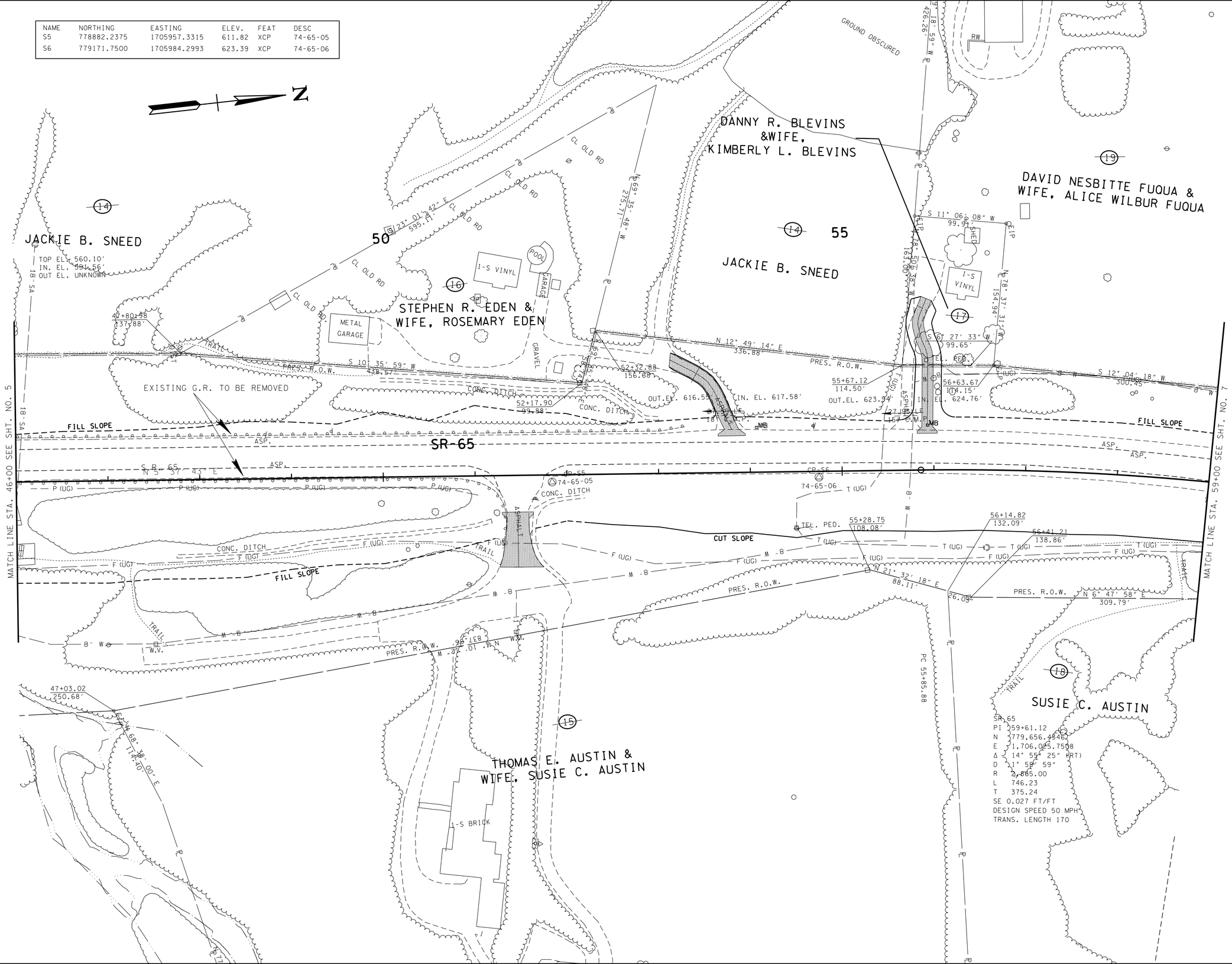
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

NAME	NORTHING	EASTING	ELEV.	FEAT	DESC
S5	778882.2375	1705957.3315	611.82	XCP	74-65-05
S6	779171.7500	1705984.2993	623.39	XCP	74-65-06

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	6
CONST	2015	STP/NH/DEMO-65(8)	6



SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 46+00 TO STA. 59+00

SCALE: 1"= 50'

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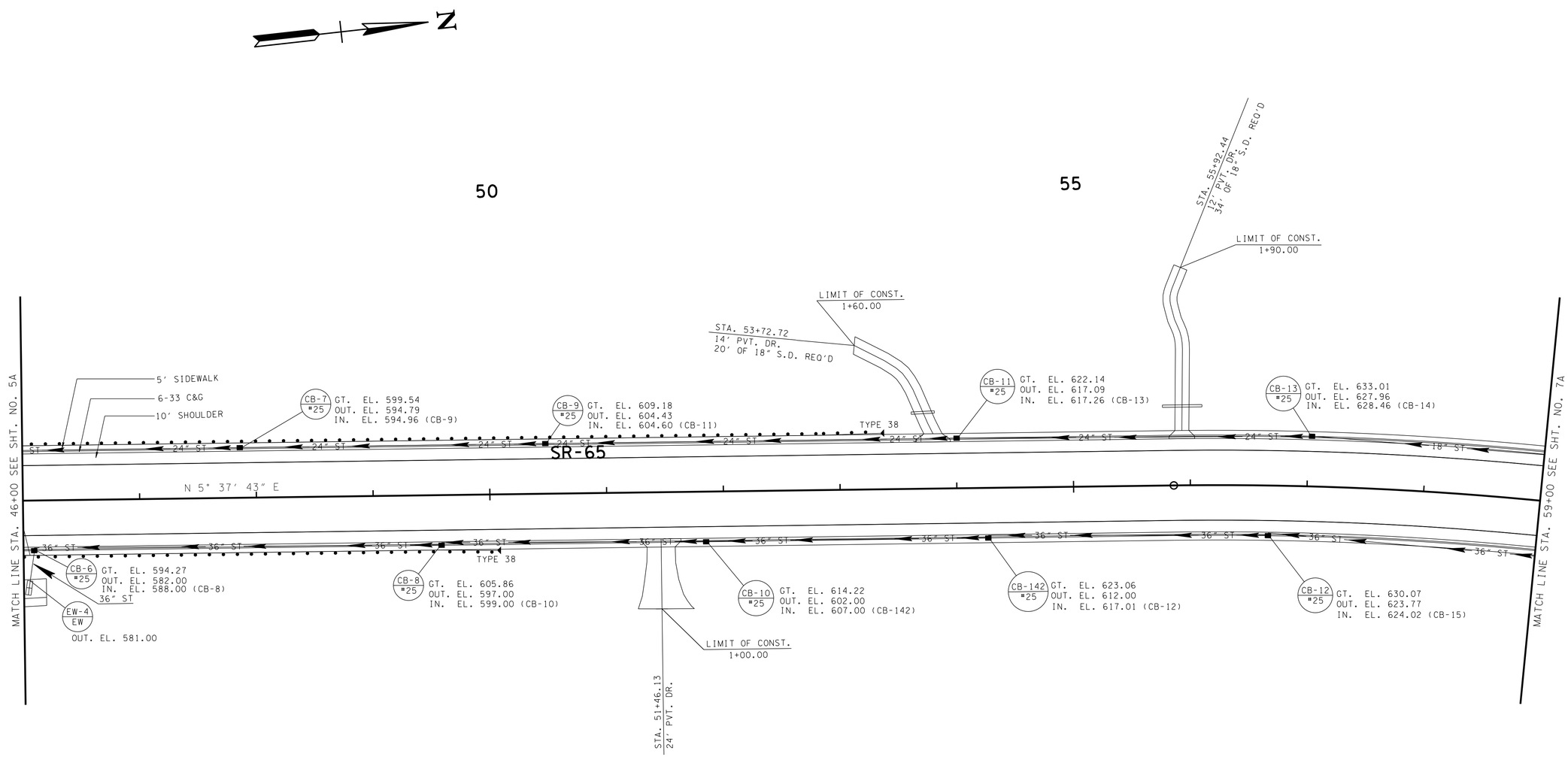
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	6A
CONST	2015	STP/NH/DEMO-65(8)	6A



SEALED BY

COORDINATES ARE NAD/B31(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 46+00 TO STA. 59+00

SCALE: 1"= 50'

19-MAY-2015 09:48
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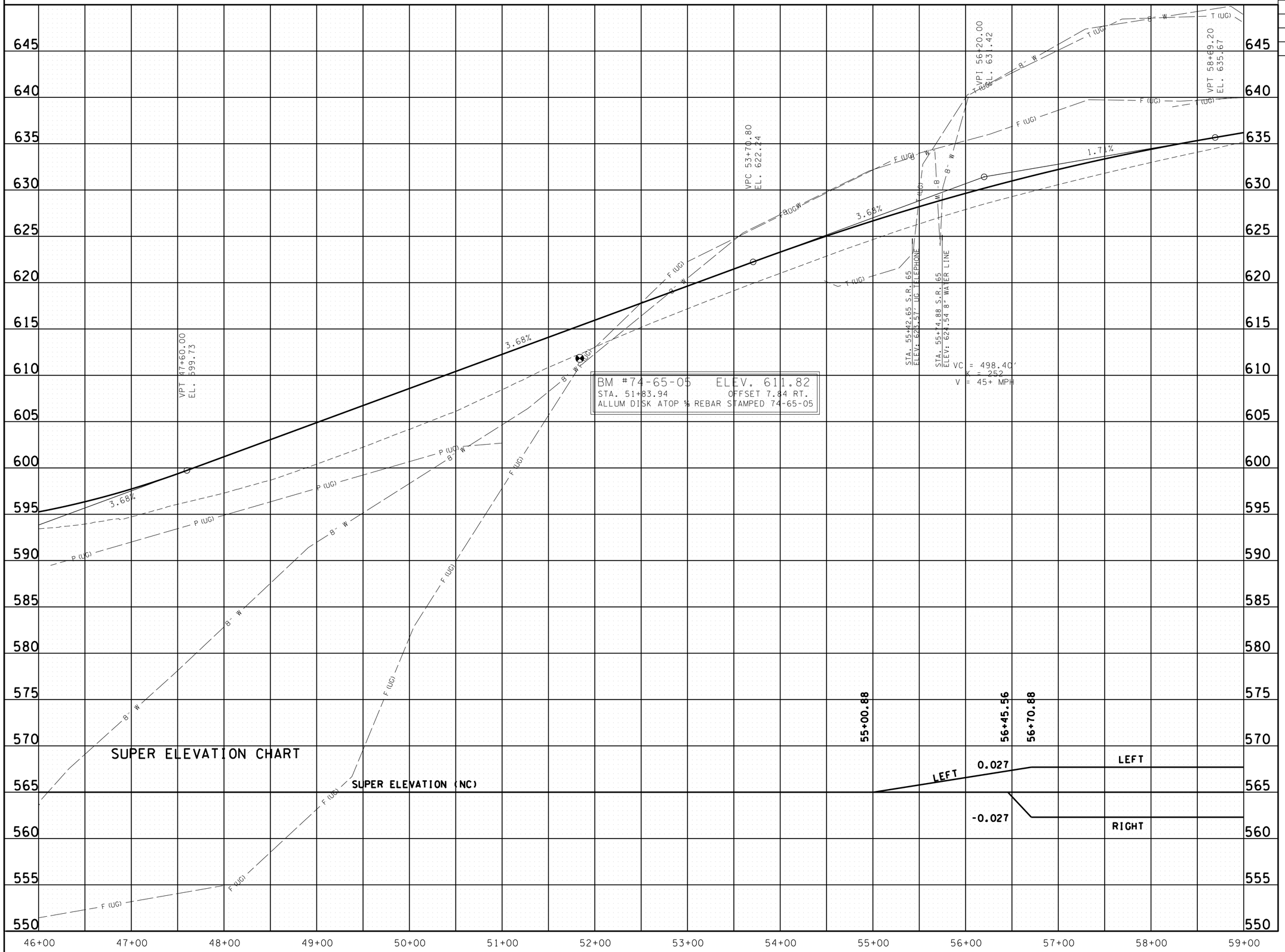
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	6B
CONST	2015	STP/NH/DEMO-65(8)	6B



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 46+00 TO STA. 59+00

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

09-MAY-2015 09:48
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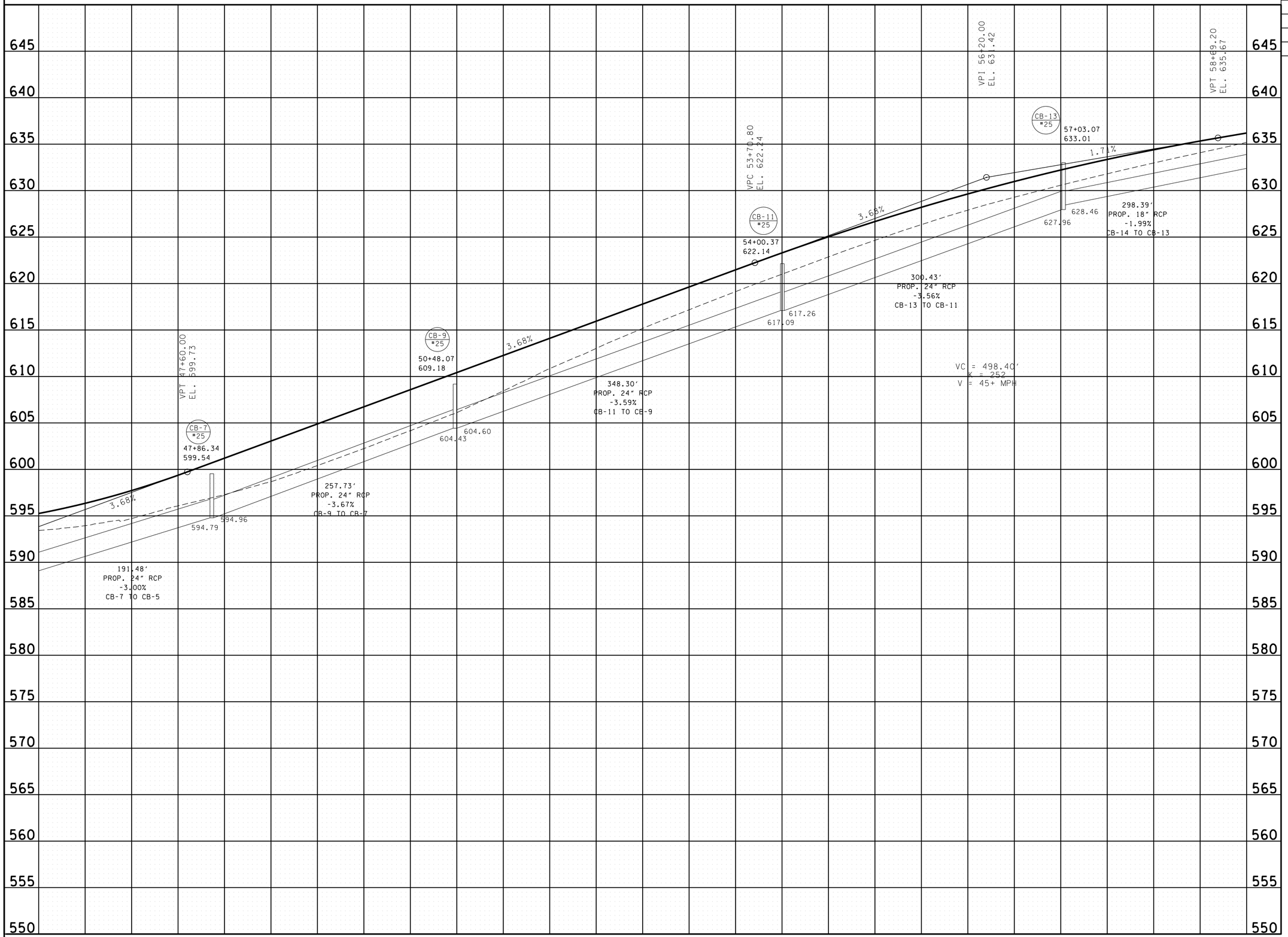
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	6C



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE LEFT

STA. 46+00 TO STA. 59+00

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

9-MAY-2015 09:48
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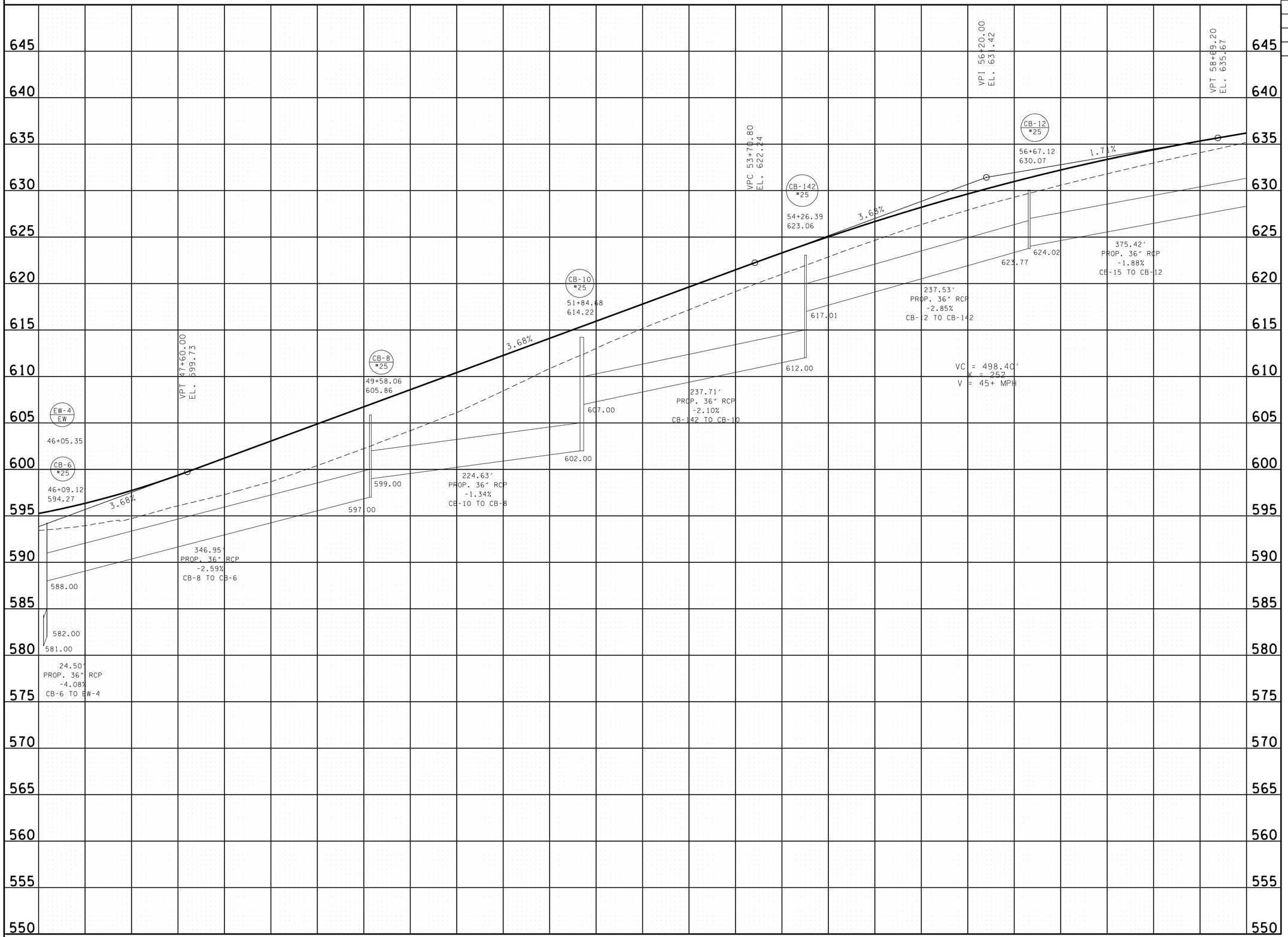
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	6D



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE RIGHT

STA. 46+00 TO STA. 59+00

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

9-MAY-2015 09:48
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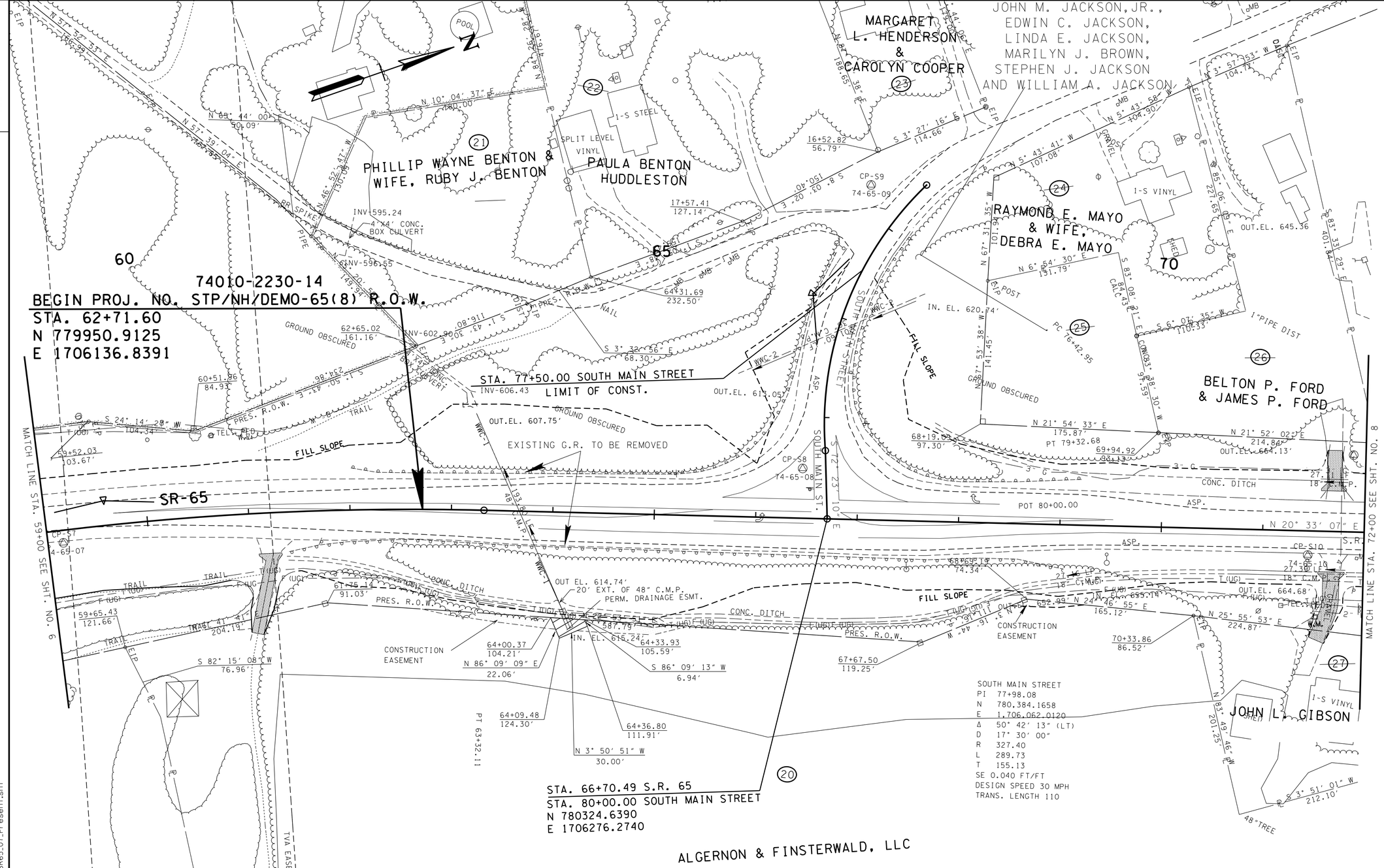
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	7
CONST	2015	STP/NH/DEMO-65(8)	7

REV. 09/04/09: UPDATED PROPERTY OWNER ON TRACT 20.
REV. 10/26/09: UPDATED PROPERTY OWNER ON TRACT 20.



SOUTH MAIN STREET
PI 77+98.08
N 780,384.1658
E 1,706,062.0120
Δ 50° 42′ 13″ (LT)
D 17° 30′ 00″
R 327.40
L 289.73
T 155.13
SE 0.040 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 110

NAME	NORTHING	EASTING	ELEV.	FEAT	DESC
S7	779605.5563	1706052.1489	634.57	XCP	74-65-07
S8	780318.1273	1706221.4714	648.60	XCP	74-65-08
S9	780473.4387	1705979.3318	636.23	XCP	74-65-09
S10	780760.4841	1706465.2527	667.45	XCP	74-65-10

SEALED BY

KATHERINE J. LLOYD
REGISTERED ENGINEER
AGRICULTURE & COMMERCE
NO. 106423
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 59+00 TO STA. 72+00

SCALE: 1"= 50'

9-MAY-2015 09:48
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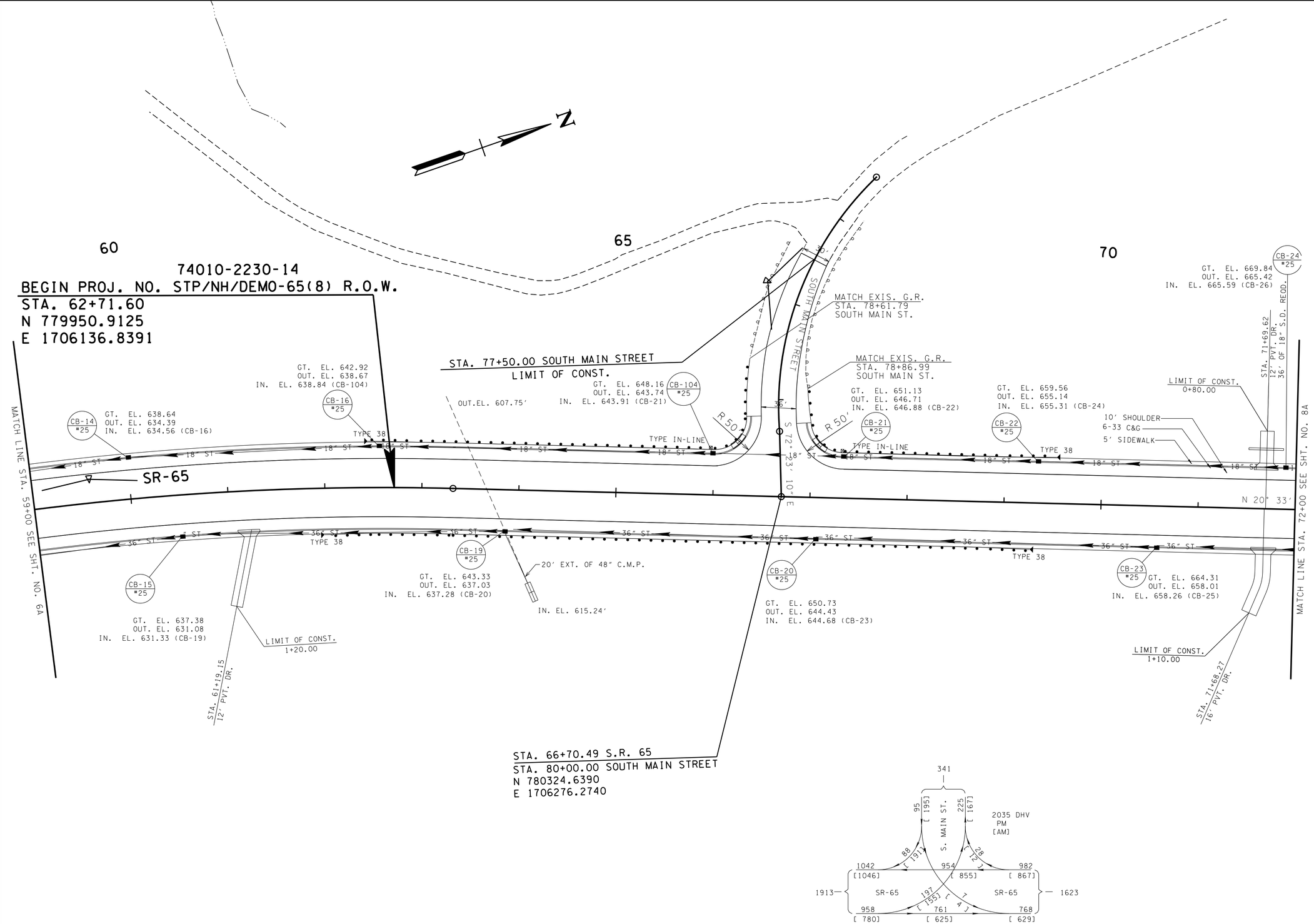
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	7A
CONST	2015	STP/NH/DEMO-65(8)	7A

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



SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 59+00 TO STA. 72+00

SCALE: 1"= 50'

19-MAY-2015 09:48
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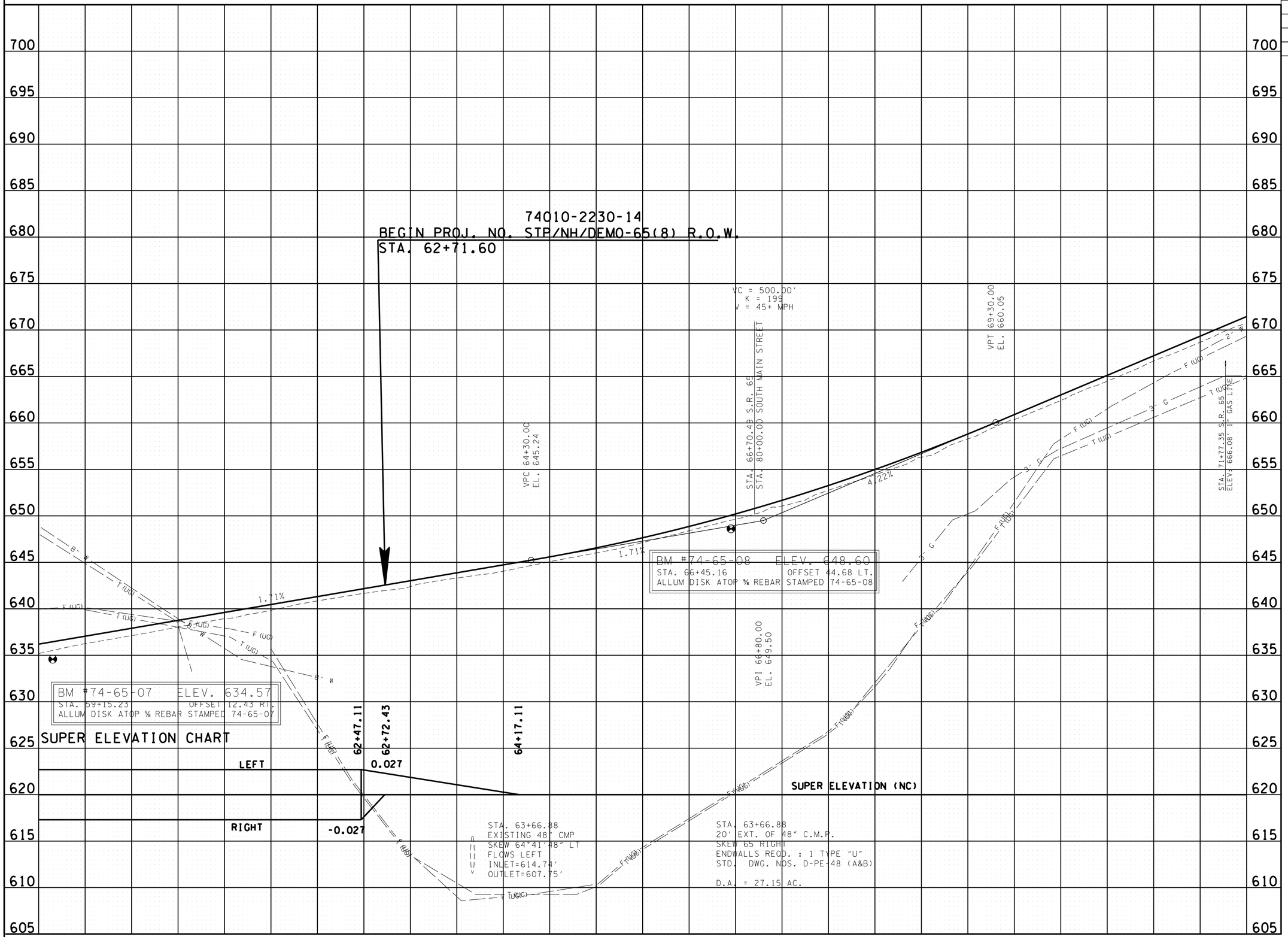
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	7B
CONST	2015	STP/NH/DEMO-65(8)	7B



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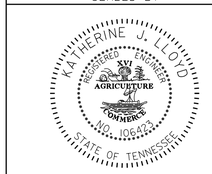

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 59+00 TO STA. 72+00

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

9-MAY-2015 09:48
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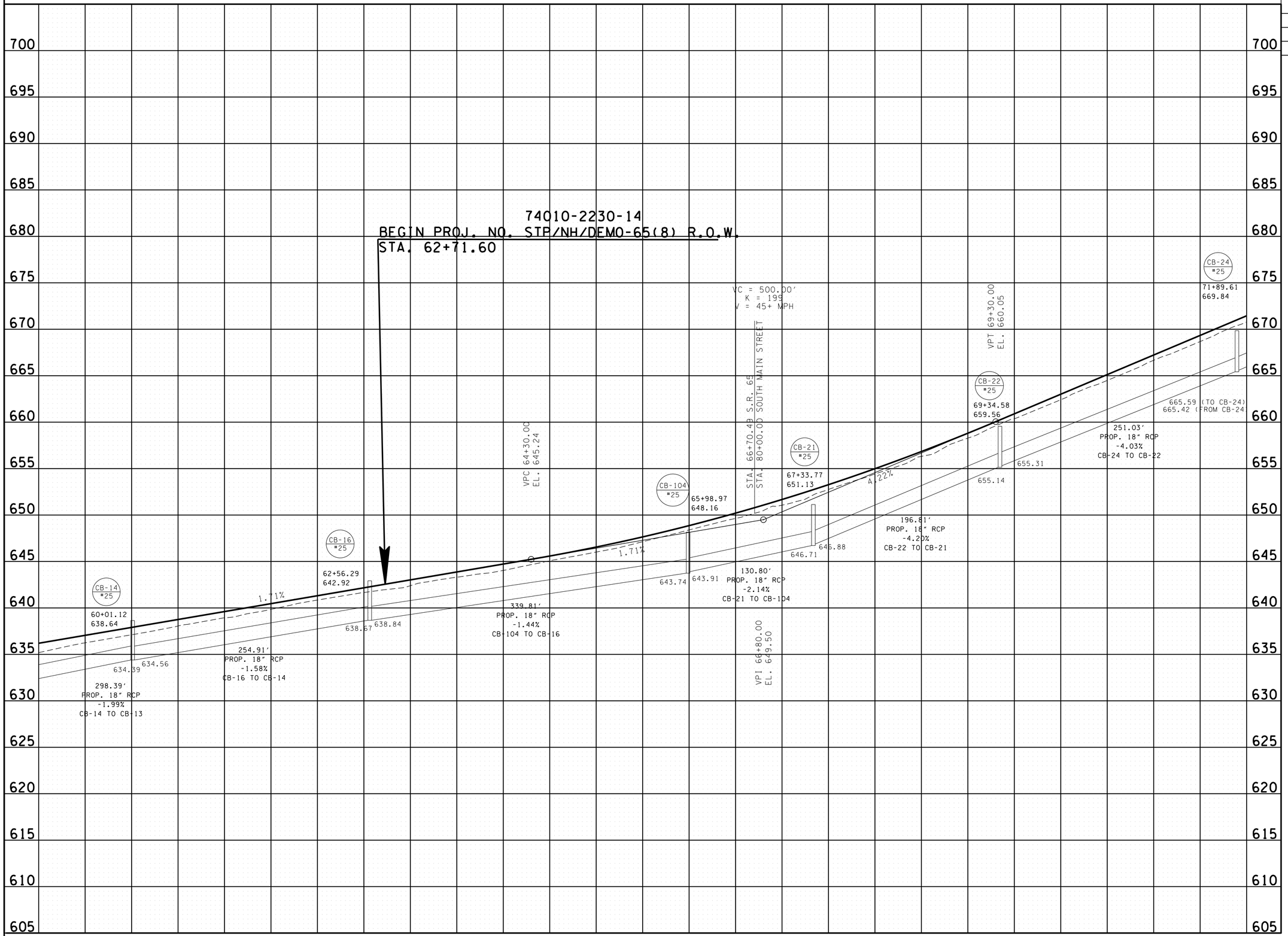
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	7C



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE LEFT

STA. 59+00 TO STA. 72+00

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

9-MAY-2015 09:48
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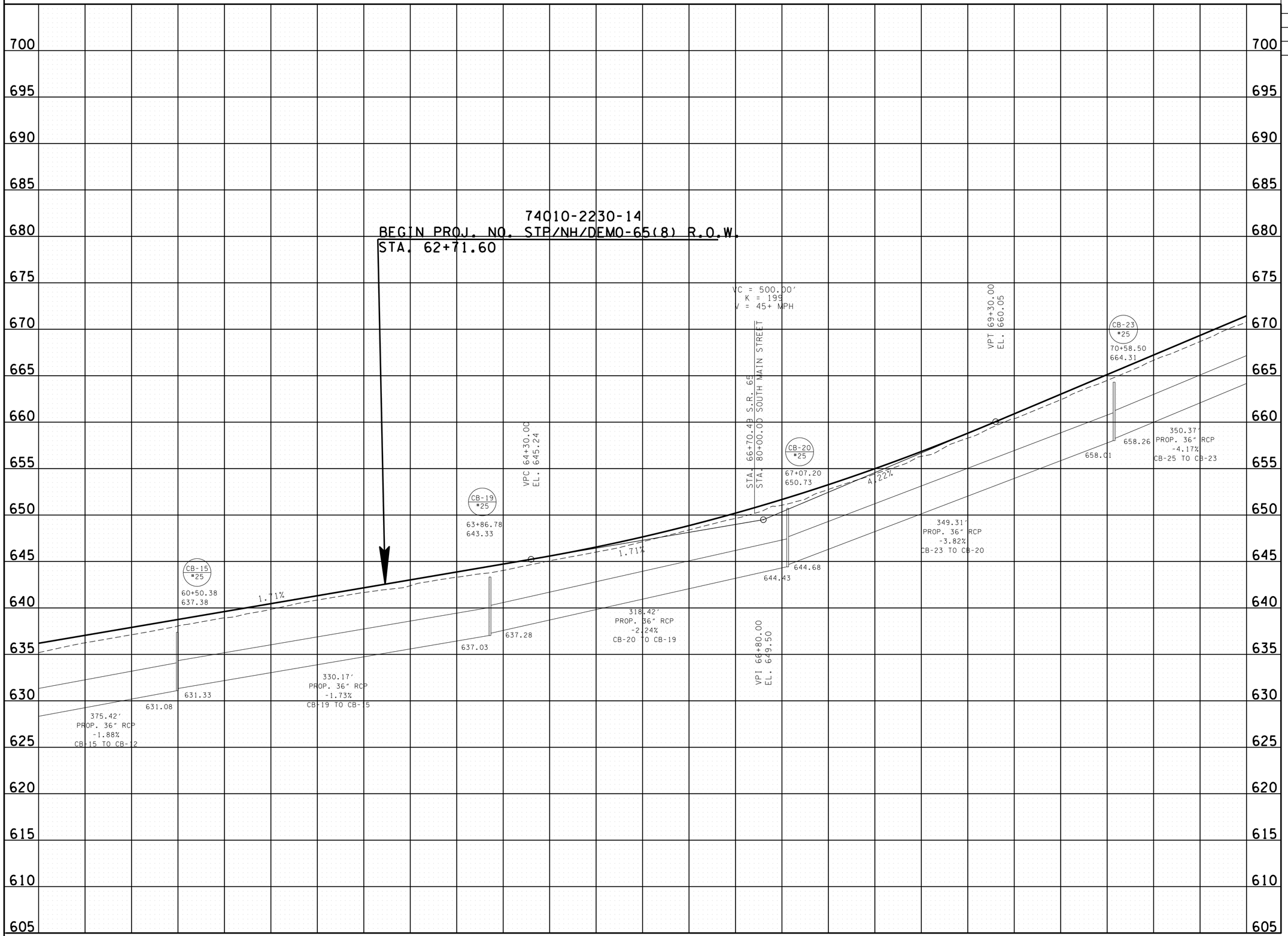
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	7D



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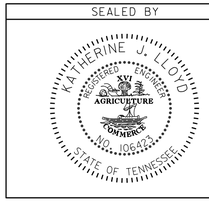

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE RIGHT

STA. 59+00 TO STA. 72+00

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

9-MAY-2015 09:48
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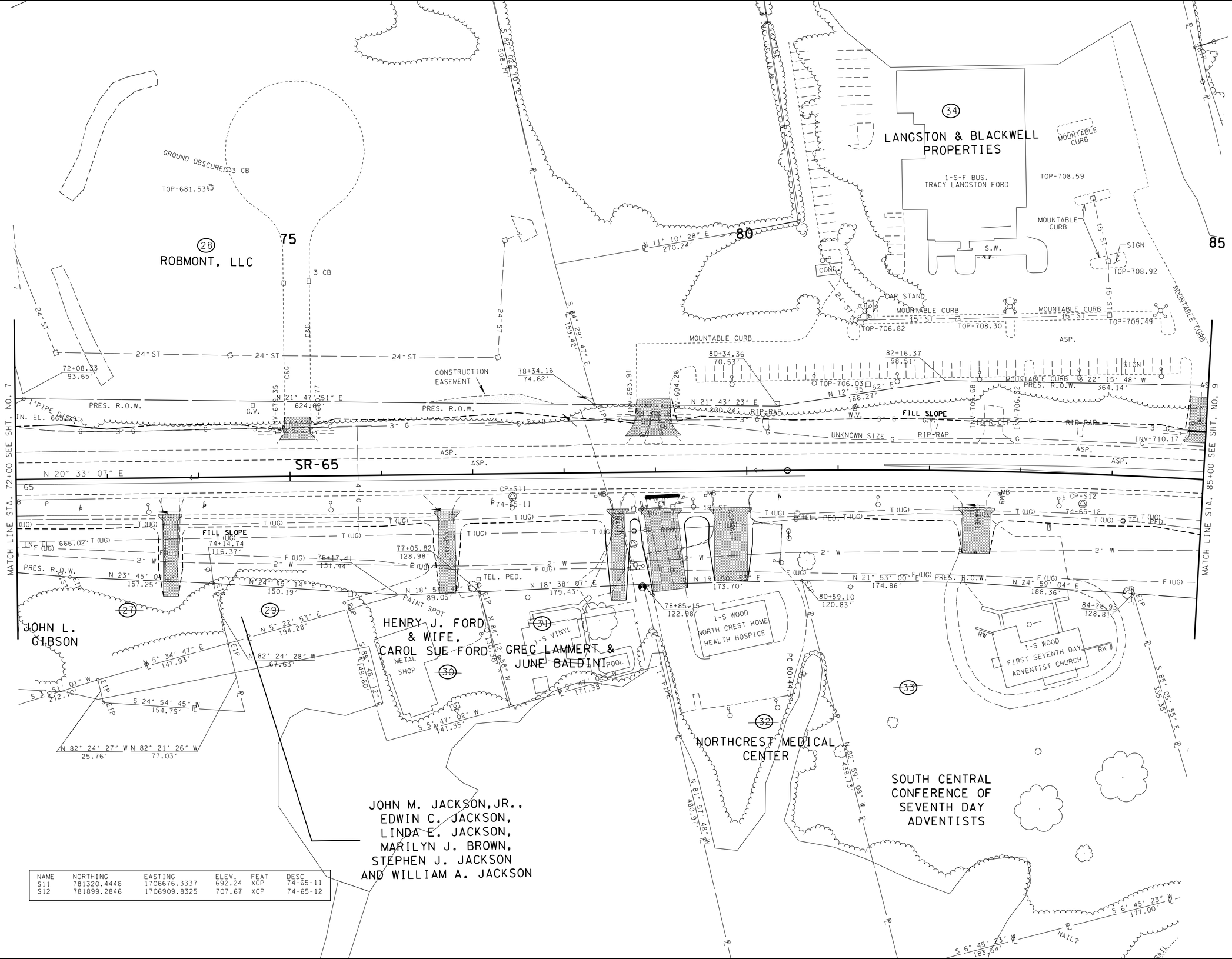
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	8
CONST	2015	STP/NH/DEMO-65(8)	8

REV. 09/04/09: UPDATED PROPERTY OWNER & REMOVED LINE ON TRACT 28
REV. 01/15/15: ADDED DRIVEWAY TO TRACT 28. DELETED PROPOSED DRIVEWAY ON TRACT 34 AT STA. 82+68.19 & ADDED DRIVEWAYS AT STA. 79+00.00 & STA. 85+00.00



NAME	NORTHING	EASTING	ELEV.	FEAT	DESC
S11	781320.4446	1706676.3337	692.24	XCP	74-65-11
S12	781899.2846	1706909.8325	707.67	XCP	74-65-12

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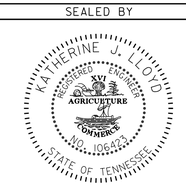

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 72+00 TO STA. 85+00

SCALE: 1"= 50'

9-MAY-2015 09:48
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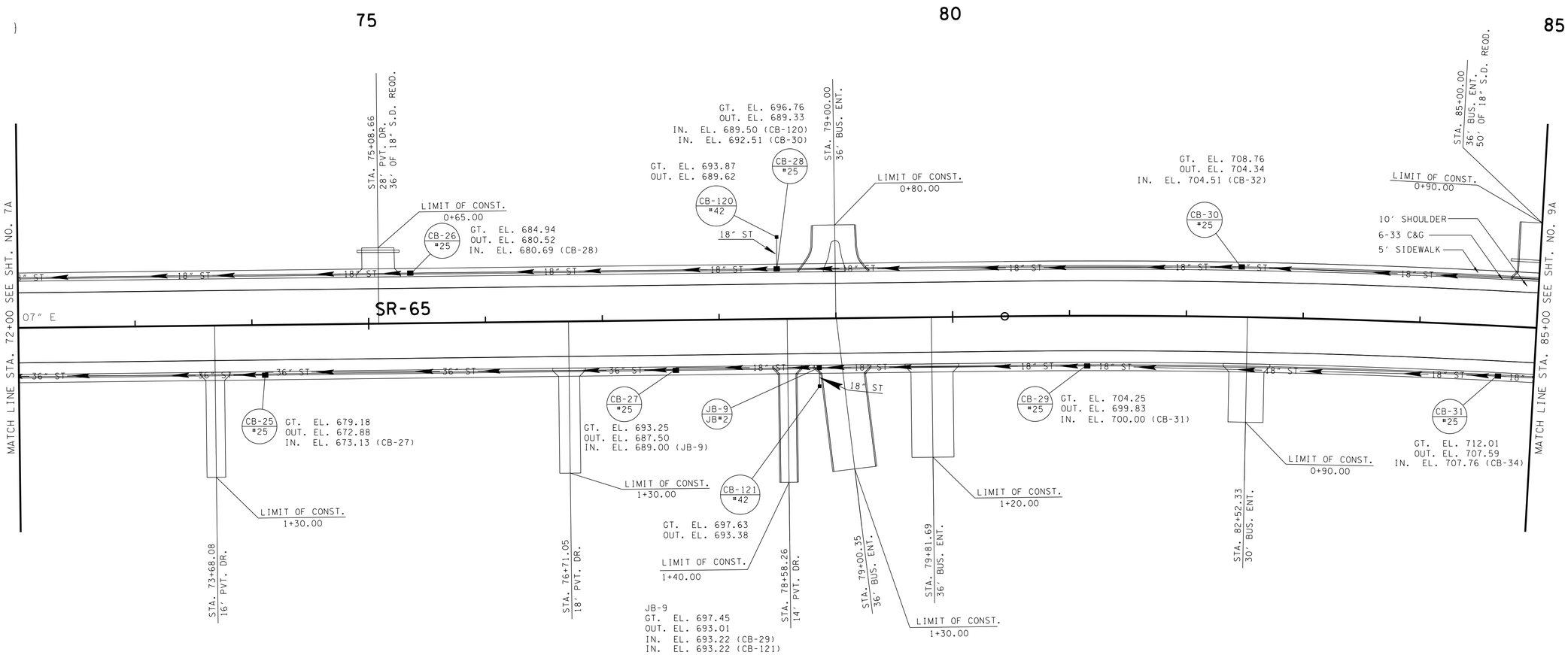
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	8A
CONST	2015	STP/NH/DEMO-65(8)	8A

REV. 01/15/15: ADDED DRIVEWAY AT STA. 75+08.66. DELETED DRIVEWAY AT STA. 82+68.19 & ADDED DRIVEWAYS AT STA. 79+00.00 & STA. 85+00.00.



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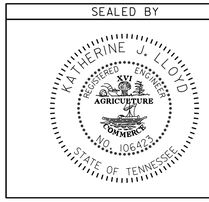

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 72+00 TO STA. 85+00

SCALE: 1"= 50'

19-MAY-2015 09:49
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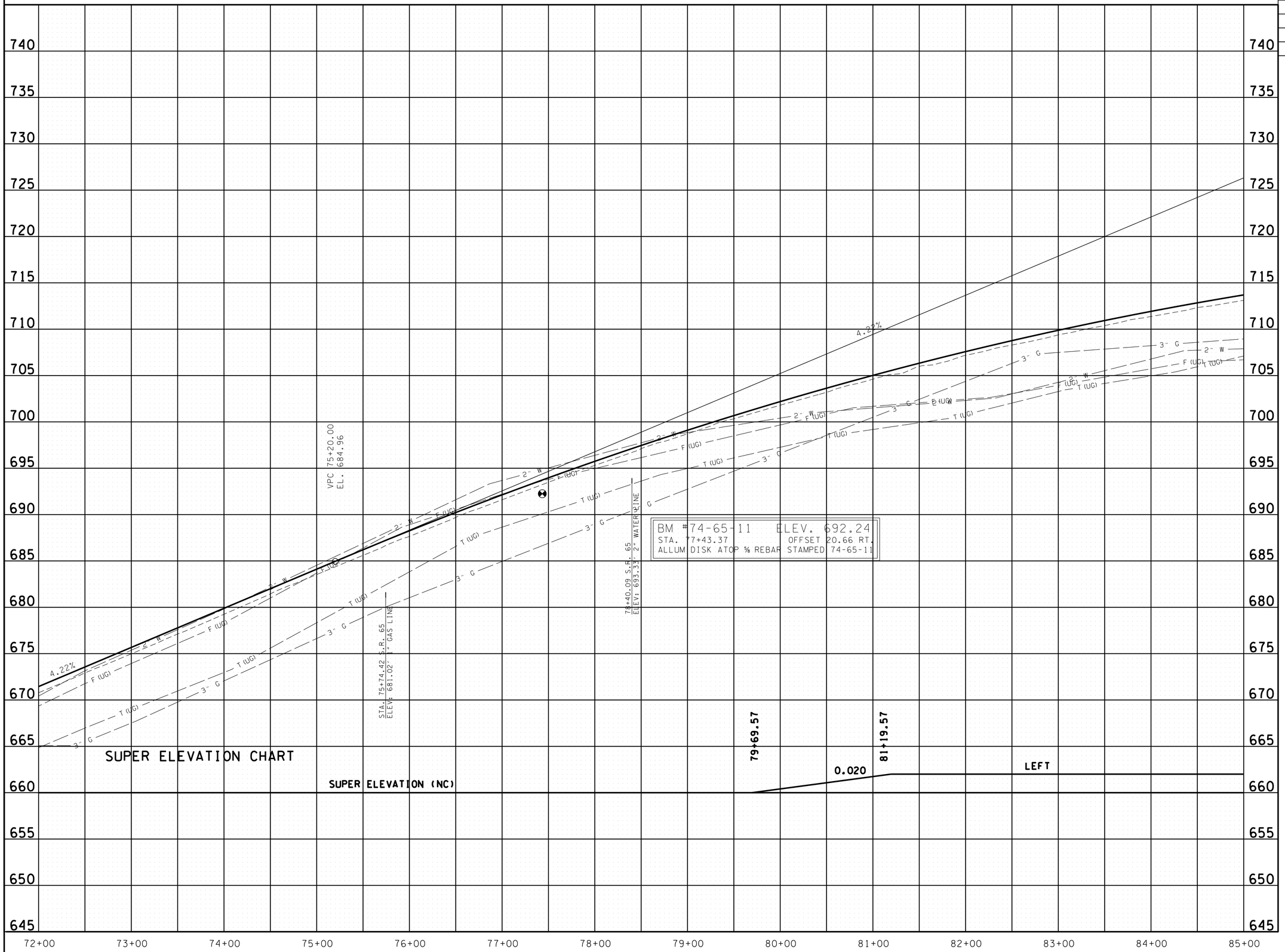
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	8B
CONST	2015	STP/NH/DEMO-65(8)	8B



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 72+00 TO STA. 85+00

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

9-MAY-2015 09:49
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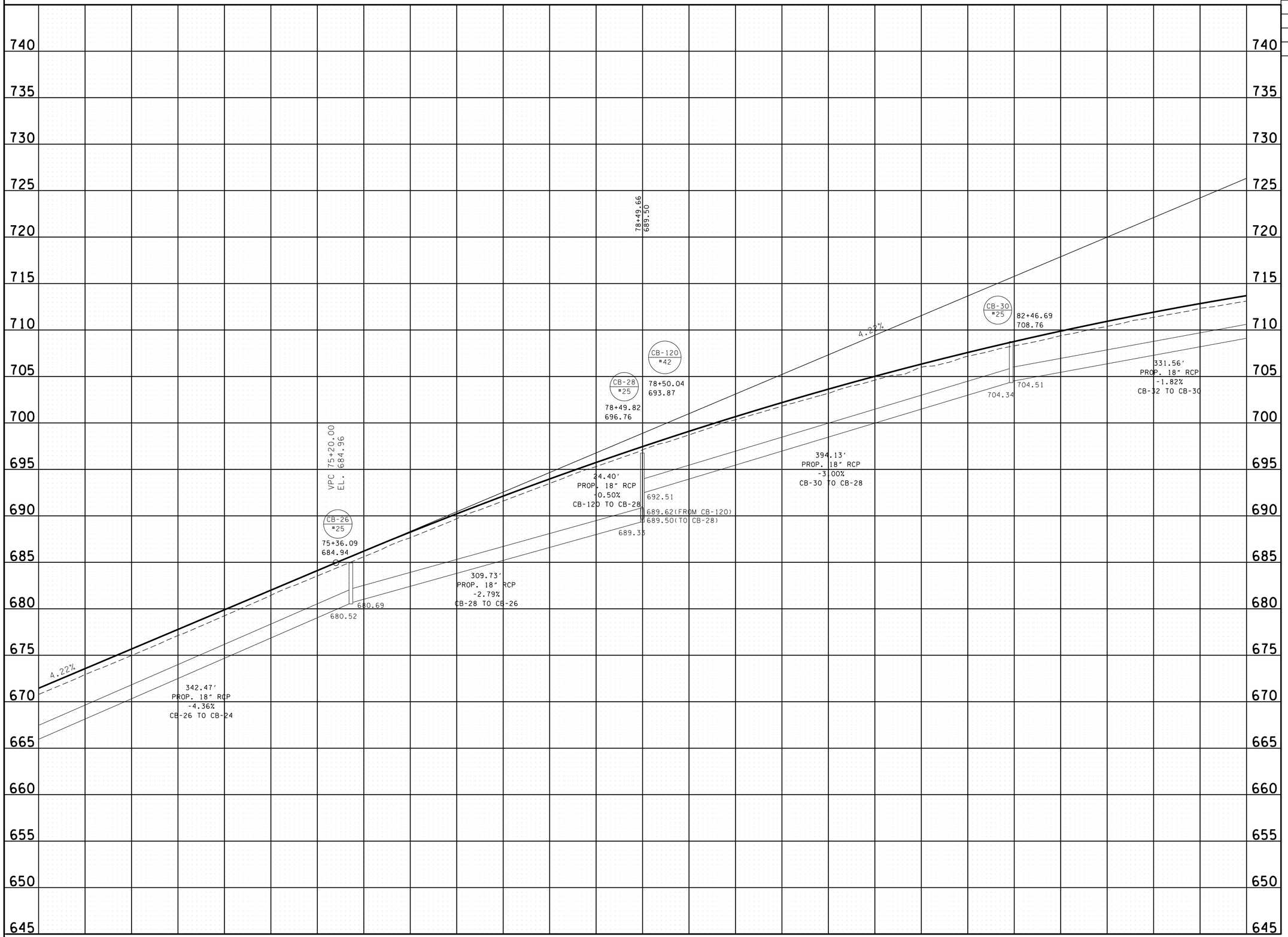
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	8C



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE LEFT

STA. 72+00 TO STA. 85+00

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

29-MAY-2015 09:49
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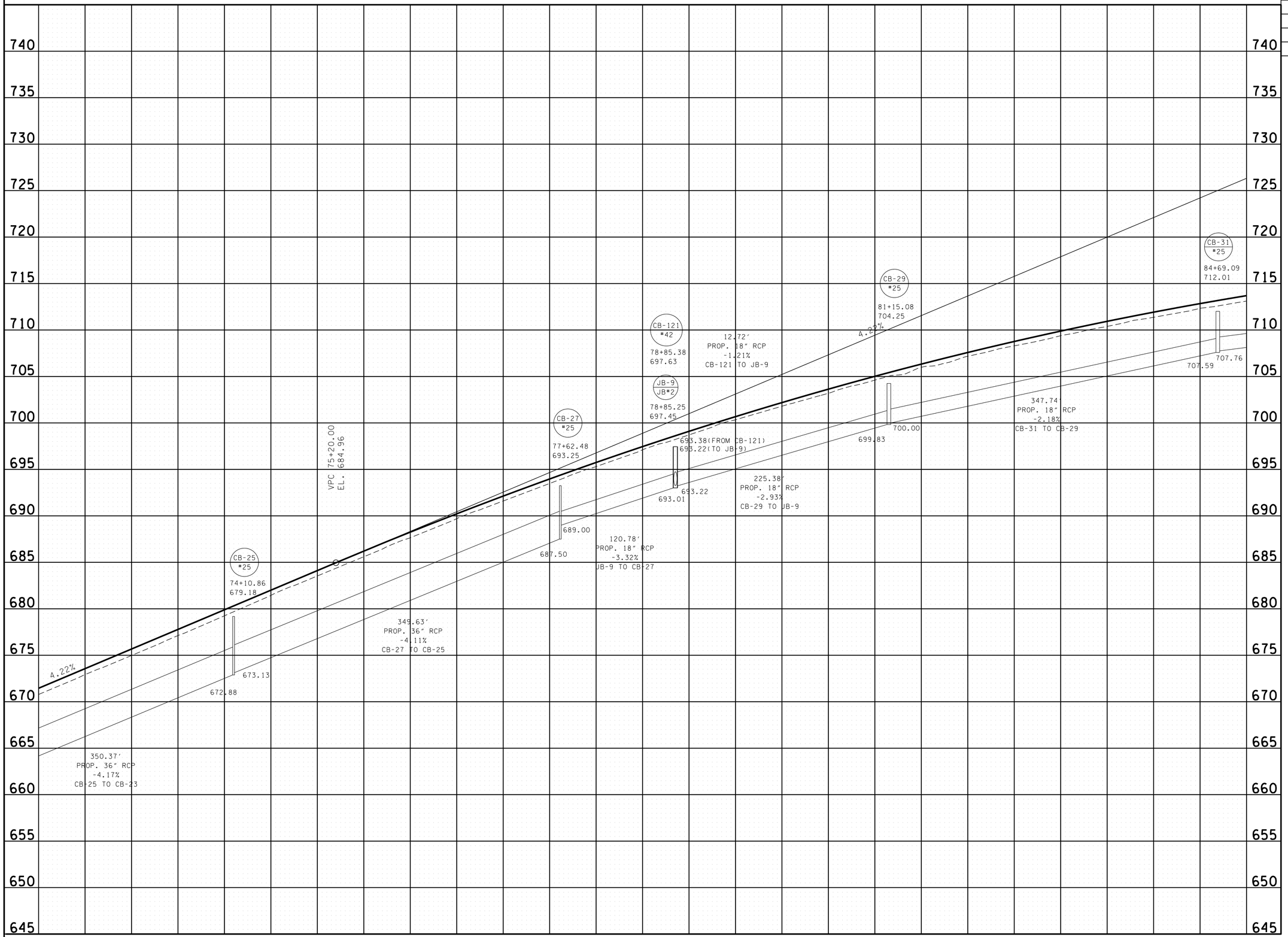
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	8D



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE RIGHT

STA. 72+00 TO STA. 85+00

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

9-MAY-2015 09:49
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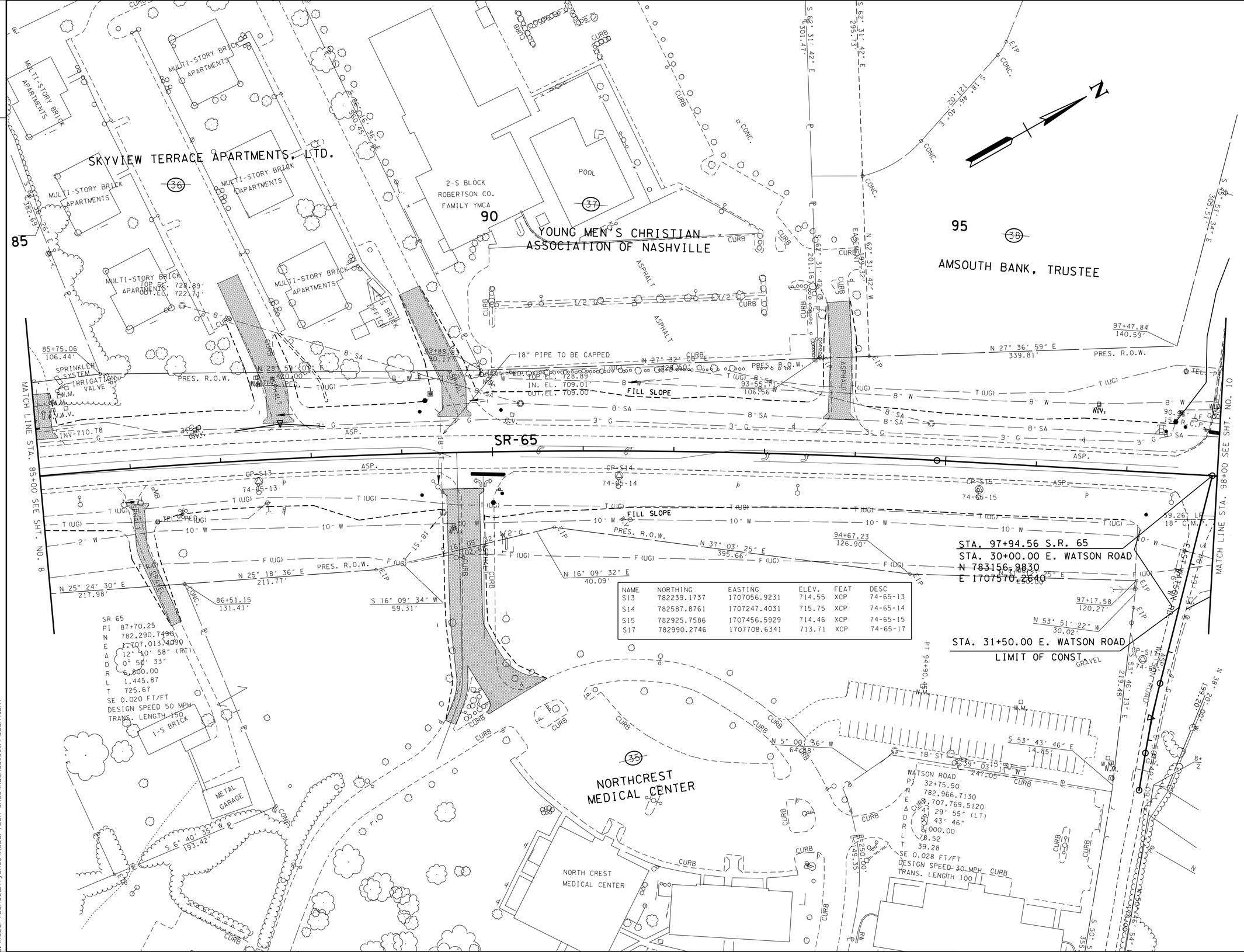
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	9
CONST	2015	STP/NH/DEMO-65(8)	9

REV. 01/15/15: ADDED SIGNAL & SHIFTED DRIVEWAY ON TRACT 35 AT STA. 89+60.43.



NAME	NORTHING	EASTING	ELEV.	FEAT	DESC
S13	782239.1737	1707056.9231	714.55	XCP	74-65-13
S14	782587.8761	1707247.4031	715.75	XCP	74-65-14
S15	782925.7586	1707456.5929	714.46	XCP	74-65-15
S17	782990.2746	1707708.6341	713.71	XCP	74-65-17

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KATHERINE J. LLOYD
REGISTERED ENGINEER
XVI
AGRICULTURE
COMMERCE
NO. 106423
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 85+00 TO STA. 98+00

SCALE: 1"= 50'

9-MAY-2015 09:49
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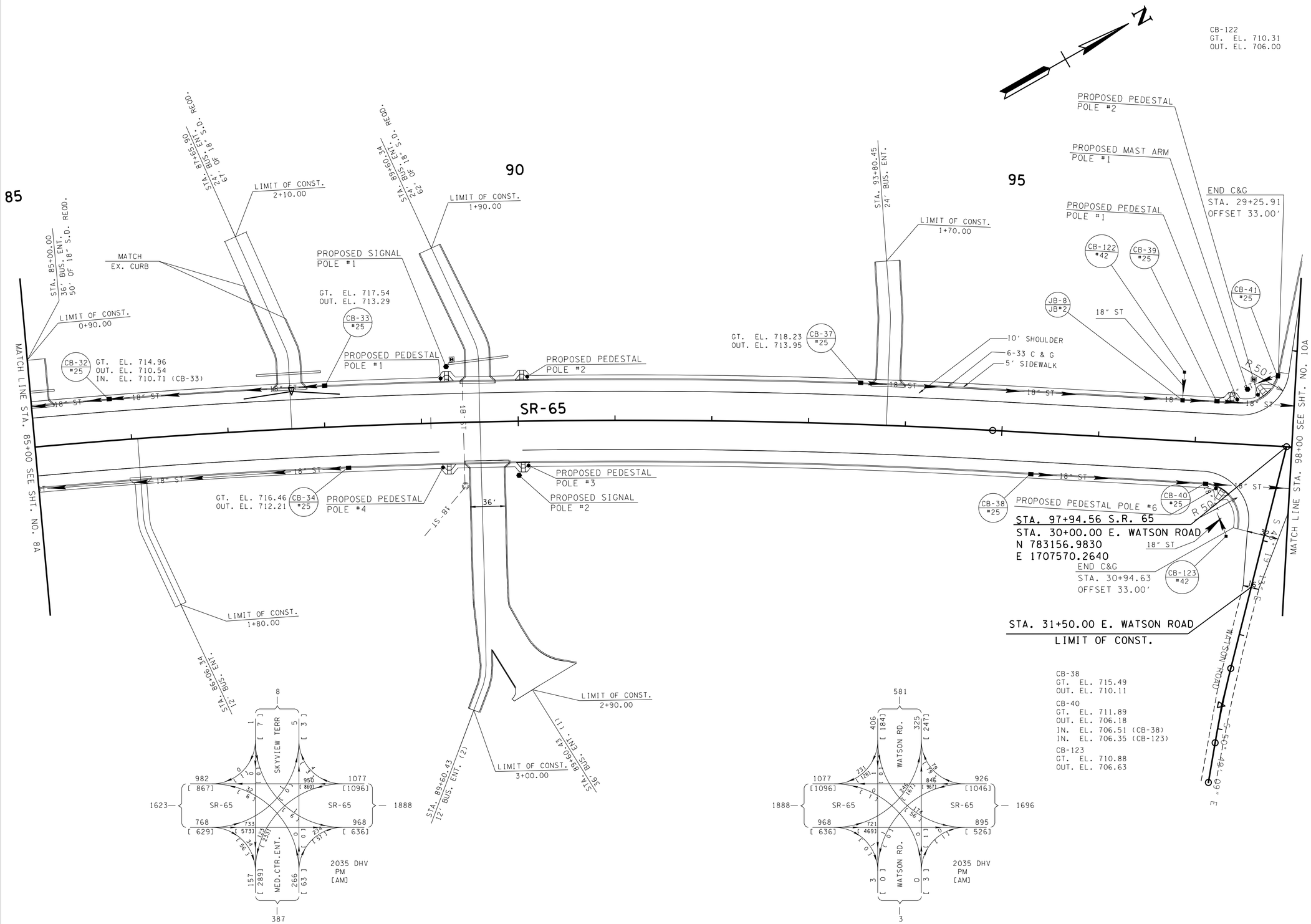
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	9A
CONST	2015	STP/NH/DEMO-65(8)	9A

REV. 01/15/15: SHIFTED DRIVEWAY & ADDED SIGNAL AT STA. 89+60.43.
REV. 05/19/15: UPDATED GRATE/INLET/ OUTLET ELEVATIONS.



SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 85+00 TO STA. 98+00

SCALE: 1"= 50'

19-MAY-2015 09:49
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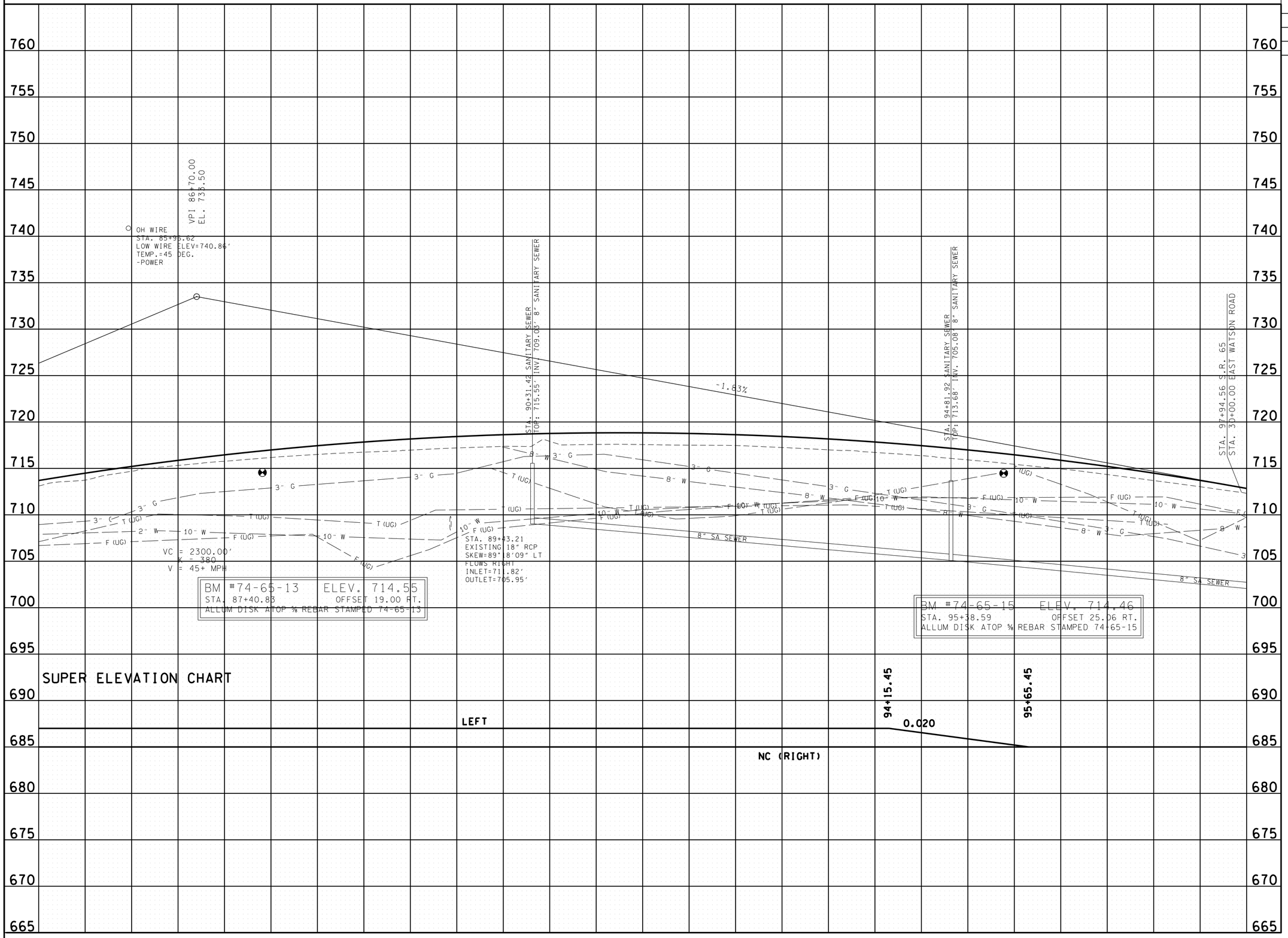
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	9B
CONST	2015	STP/NH/DEMO-65(8)	9B



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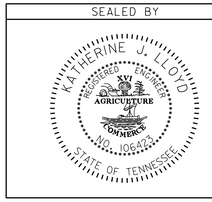

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 85+00 TO STA. 98+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

9-MAY-2015 09:49
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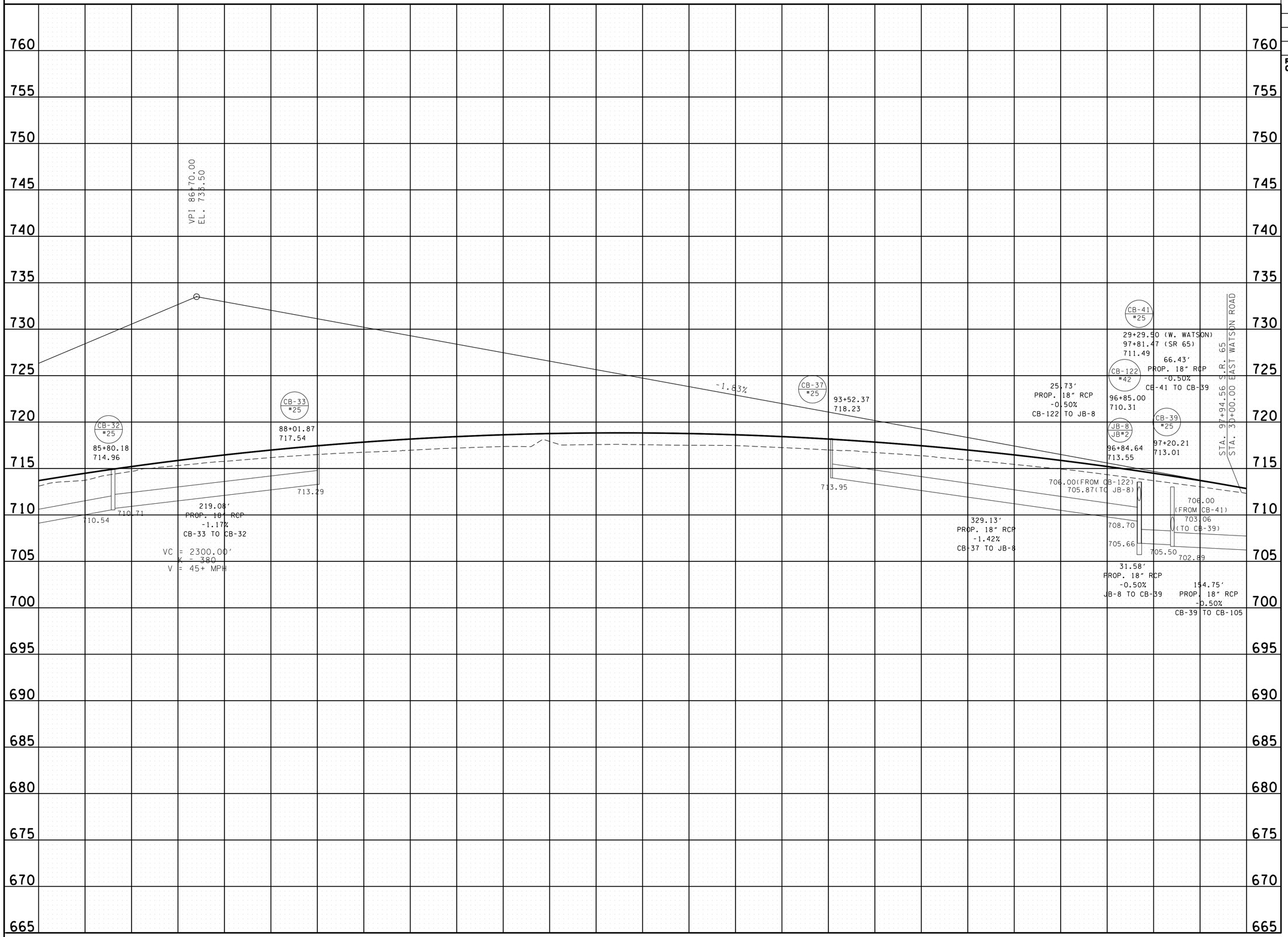
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	9C

REV. 05/19/15: UPDATED GRATE/INLET/ OUTLET ELEVATIONS.



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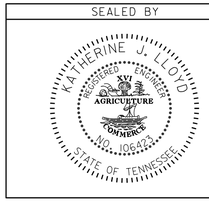

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE LEFT

STA. 85+00 TO STA. 98+00

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

9-MAY-2015 09:49
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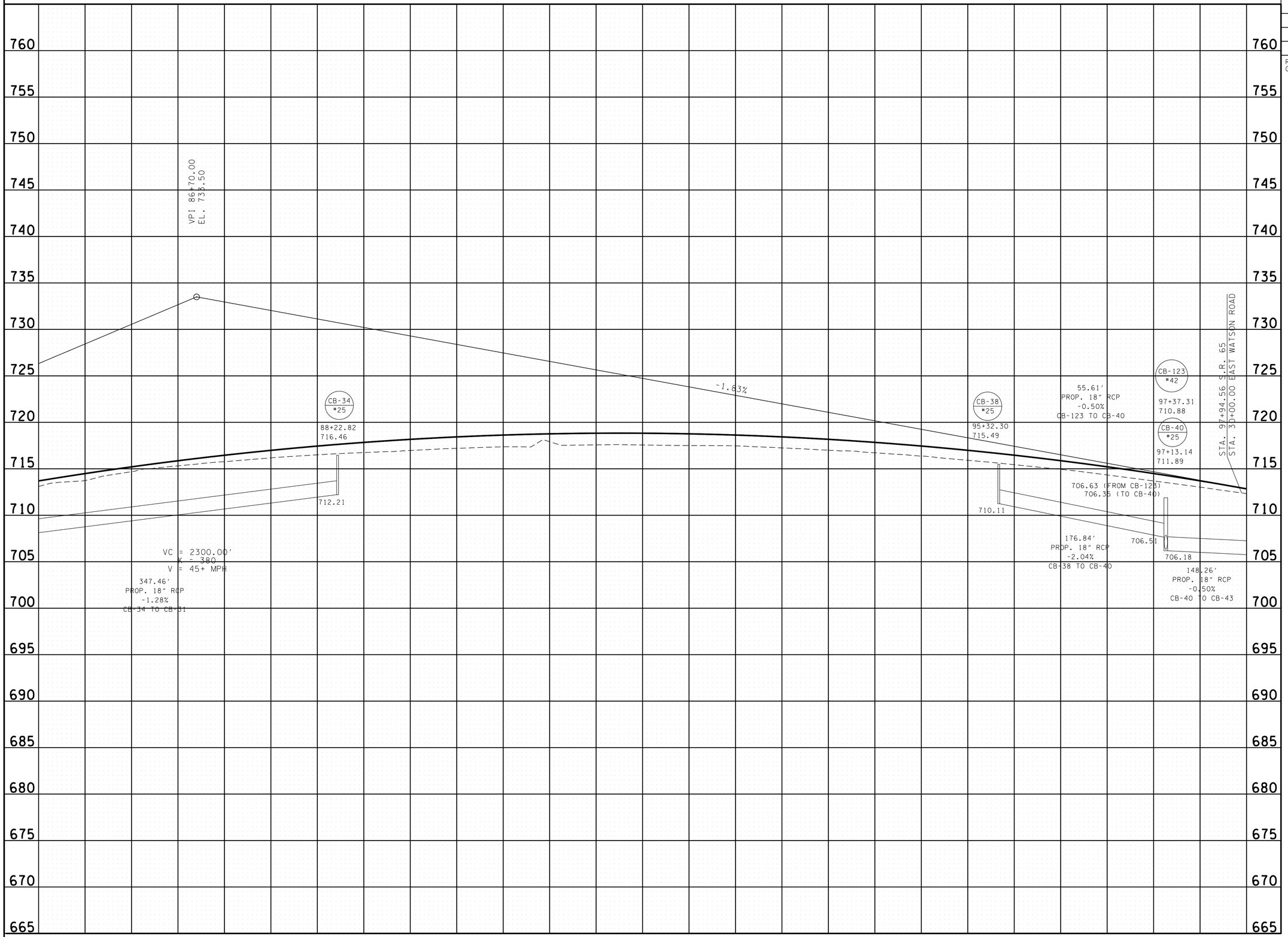
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	9D

REV. 05/19/15: UPDATED GRATE/INLET/ OUTLET ELEVATIONS.



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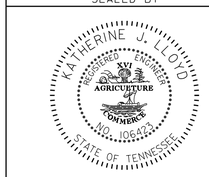

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE RIGHT

STA. 85+00 TO STA. 98+00

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

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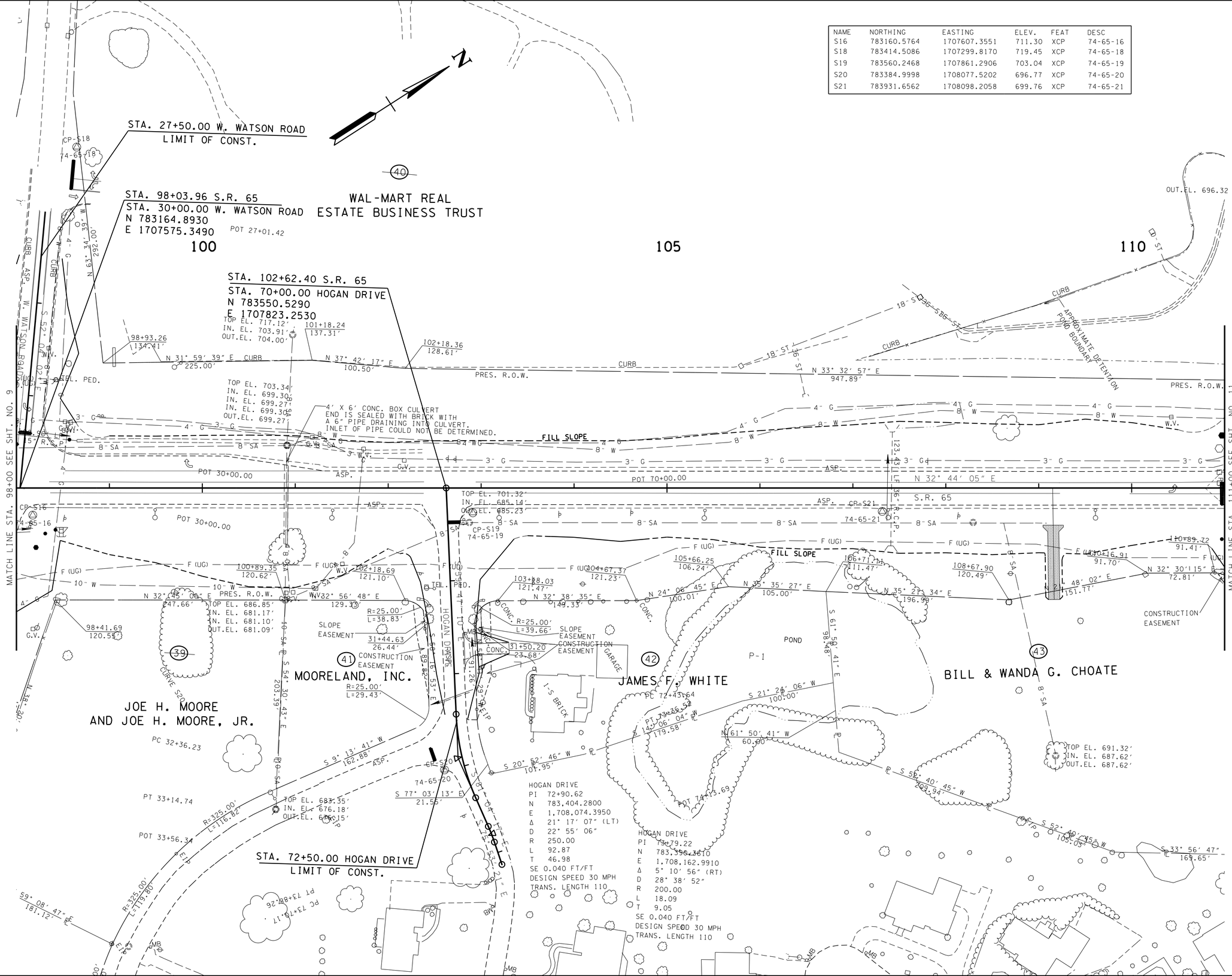
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	10
CONST	2015	STP/NH/DEMO-65(8)	10

REV. 09/04/09: UPDATED PROPERTY OWNER ON TRACT 43.
REV. 10/26/09: UPDATED PROPERTY OWNER ON TRACT 41.
REV. 09/29/10: ADDED DRIVEWAY ON TRACT 43.

NAME	NORTHING	EASTING	ELEV.	FEAT	DESC
S16	783160.5764	1707607.3551	711.30	XCP	74-65-16
S18	783414.5086	1707299.8170	719.45	XCP	74-65-18
S19	783560.2468	1707861.2906	703.04	XCP	74-65-19
S20	783384.9998	1708077.5202	696.77	XCP	74-65-20
S21	783931.6562	1708098.2058	699.76	XCP	74-65-21



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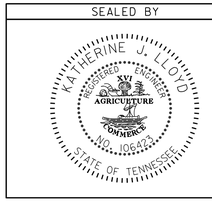

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 98+00 TO STA. 111+00

SCALE: 1"= 50'

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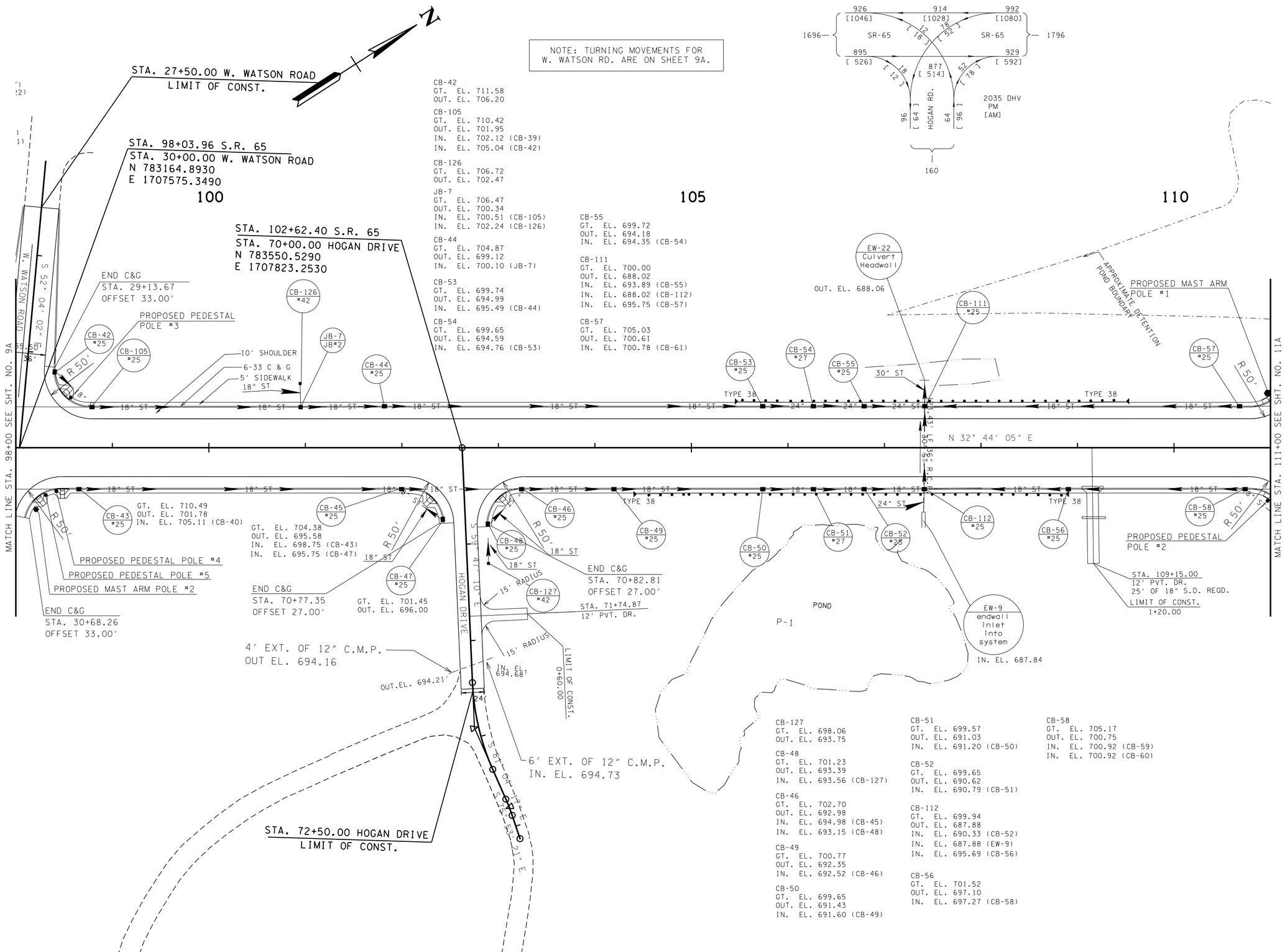
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	10A
CONST	2015	STP/NH/DEMO-65(8)	10A

REV. 09/29/10: ADDED DRIVEWAY ON TRACT 43.
REV. 05/19/15: UPDATED GRATE/INLET/ OUTLET ELEVATIONS.



NOTE: TURNING MOVEMENTS FOR W. WATSON RD. ARE ON SHEET 9A.

CB-42
GT. EL. 711.58
OUT. EL. 706.20

CB-105
GT. EL. 710.42
OUT. EL. 701.95
IN. EL. 702.12 (CB-39)
IN. EL. 705.04 (CB-42)

CB-126
GT. EL. 706.72
OUT. EL. 702.47

JB-7
GT. EL. 706.47
OUT. EL. 700.34
IN. EL. 700.51 (CB-105)
IN. EL. 702.24 (CB-126)

CB-44
GT. EL. 704.87
OUT. EL. 699.12
IN. EL. 700.10 (JB-7)

CB-53
GT. EL. 699.74
OUT. EL. 694.99
IN. EL. 695.49 (CB-44)

CB-54
GT. EL. 699.65
OUT. EL. 694.59
IN. EL. 694.76 (CB-53)

CB-55
GT. EL. 699.72
OUT. EL. 694.18
IN. EL. 694.35 (CB-54)

CB-111
GT. EL. 700.00
OUT. EL. 688.02
IN. EL. 693.89 (CB-55)
IN. EL. 688.02 (CB-112)
IN. EL. 695.75 (CB-57)

CB-57
GT. EL. 705.03
OUT. EL. 700.61
IN. EL. 700.78 (CB-61)

CB-127
GT. EL. 698.06
OUT. EL. 693.75

CB-48
GT. EL. 701.23
OUT. EL. 693.39
IN. EL. 693.56 (CB-127)

CB-46
GT. EL. 702.70
OUT. EL. 692.98
IN. EL. 694.98 (CB-45)
IN. EL. 693.15 (CB-48)

CB-49
GT. EL. 700.77
OUT. EL. 692.35
IN. EL. 692.52 (CB-46)

CB-50
GT. EL. 699.65
OUT. EL. 691.43
IN. EL. 691.60 (CB-49)

CB-51
GT. EL. 699.57
OUT. EL. 691.03
IN. EL. 691.20 (CB-50)

CB-52
GT. EL. 699.65
OUT. EL. 690.62
IN. EL. 690.79 (CB-51)

CB-112
GT. EL. 699.94
OUT. EL. 687.88
IN. EL. 690.33 (CB-52)
IN. EL. 687.88 (EW-9)
IN. EL. 695.69 (CB-56)

CB-56
GT. EL. 701.52
OUT. EL. 697.10
IN. EL. 697.27 (CB-58)

CB-58
GT. EL. 705.17
OUT. EL. 700.75
IN. EL. 700.92 (CB-59)
IN. EL. 700.92 (CB-60)

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 98+00 TO STA. 111+00

SCALE: 1"= 50'

09-MAY-2015 09:49
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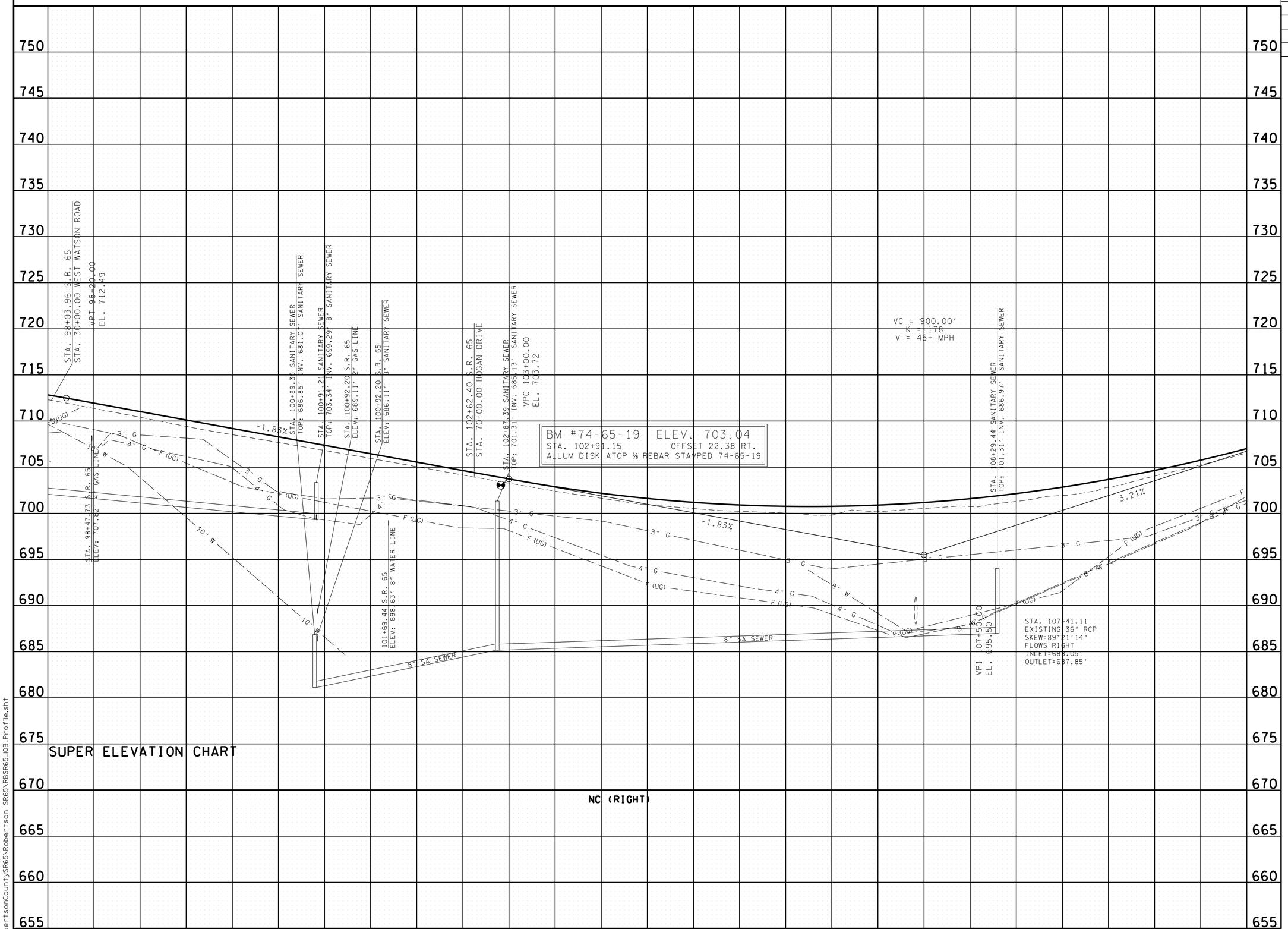
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	10B
CONST	2015	STP/NH/DEMO-65(8)	10B



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 98+00 TO STA. 111+00

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

09-MAY-2015 09:49
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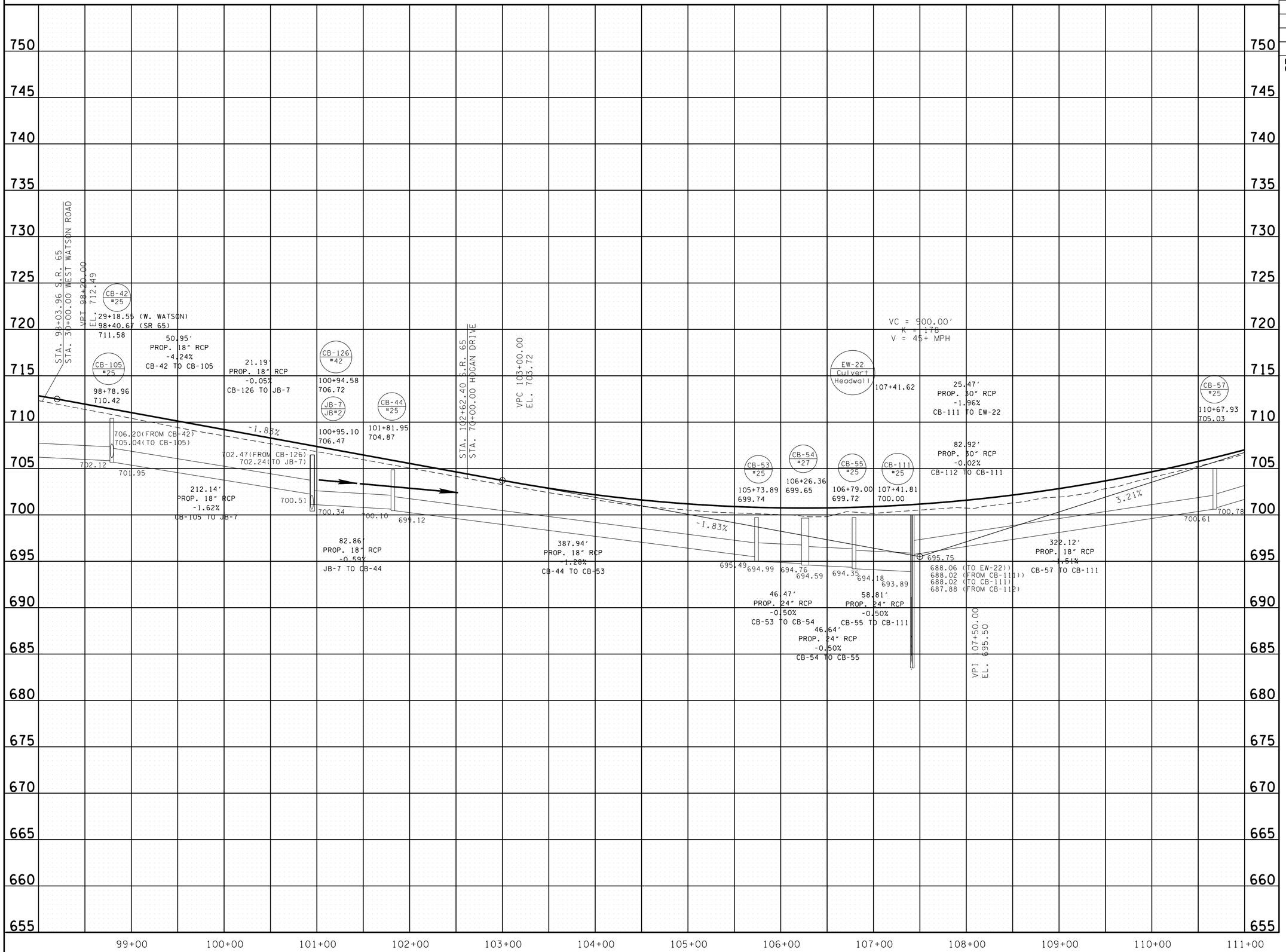
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	10C

REV. 05/19/15: UPDATED GRATE/INLET/ OUTLET ELEVATIONS.



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE LEFT

STA. 98+00 TO STA. 111+00

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

19-MAY-2015 09:49
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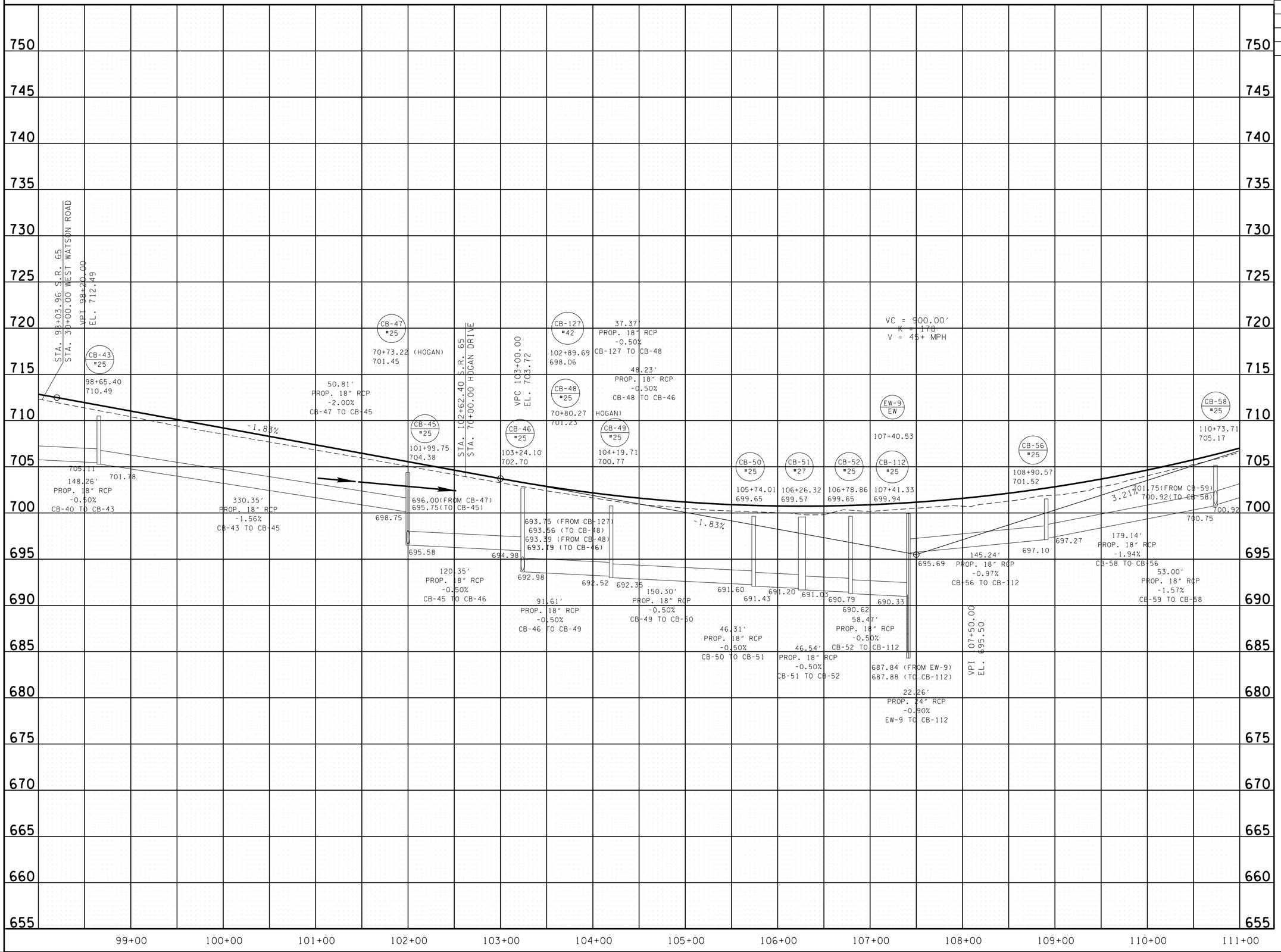
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	10D



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE RIGHT

STA. 98+00 TO STA. 111+00

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

9-MAY-2015 09:49
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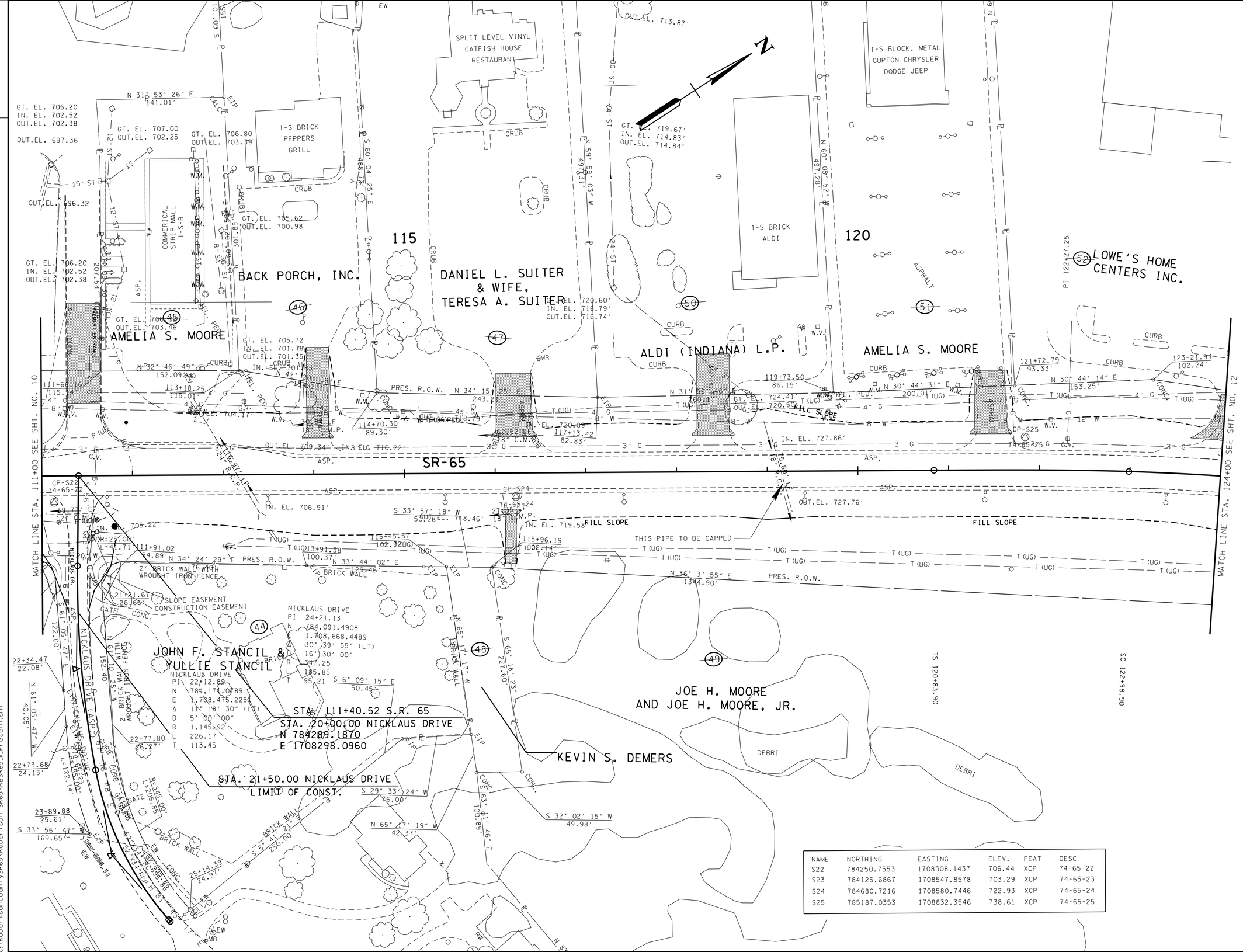
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	11
CONST	2015	STP/NH/DEMO-65(8)	11

REV. 10/26/09: ADDED BRICK WALL & WROUGHT IRON FENCE TO TRACT 44.
REV. 08/10/10: EXTENDED PROPOSED ALIGNMENT FOR NICKLAUS DRIVE & ADDED PRIVATE DRIVE TO TRACT 44.



NAME	NORTHING	EASTING	ELEV.	FEAT	DESC
S22	784250.7553	1708308.1437	706.44	XCP	74-65-22
S23	784125.6867	1708547.8578	703.29	XCP	74-65-23
S24	784680.7216	1708580.7446	722.93	XCP	74-65-24
S25	785187.0353	1708832.3546	738.61	XCP	74-65-25

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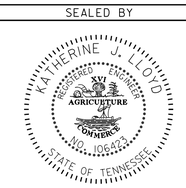

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 111+00 TO STA. 124+00

SCALE: 1"= 50'

19-MAY-2015 09:49
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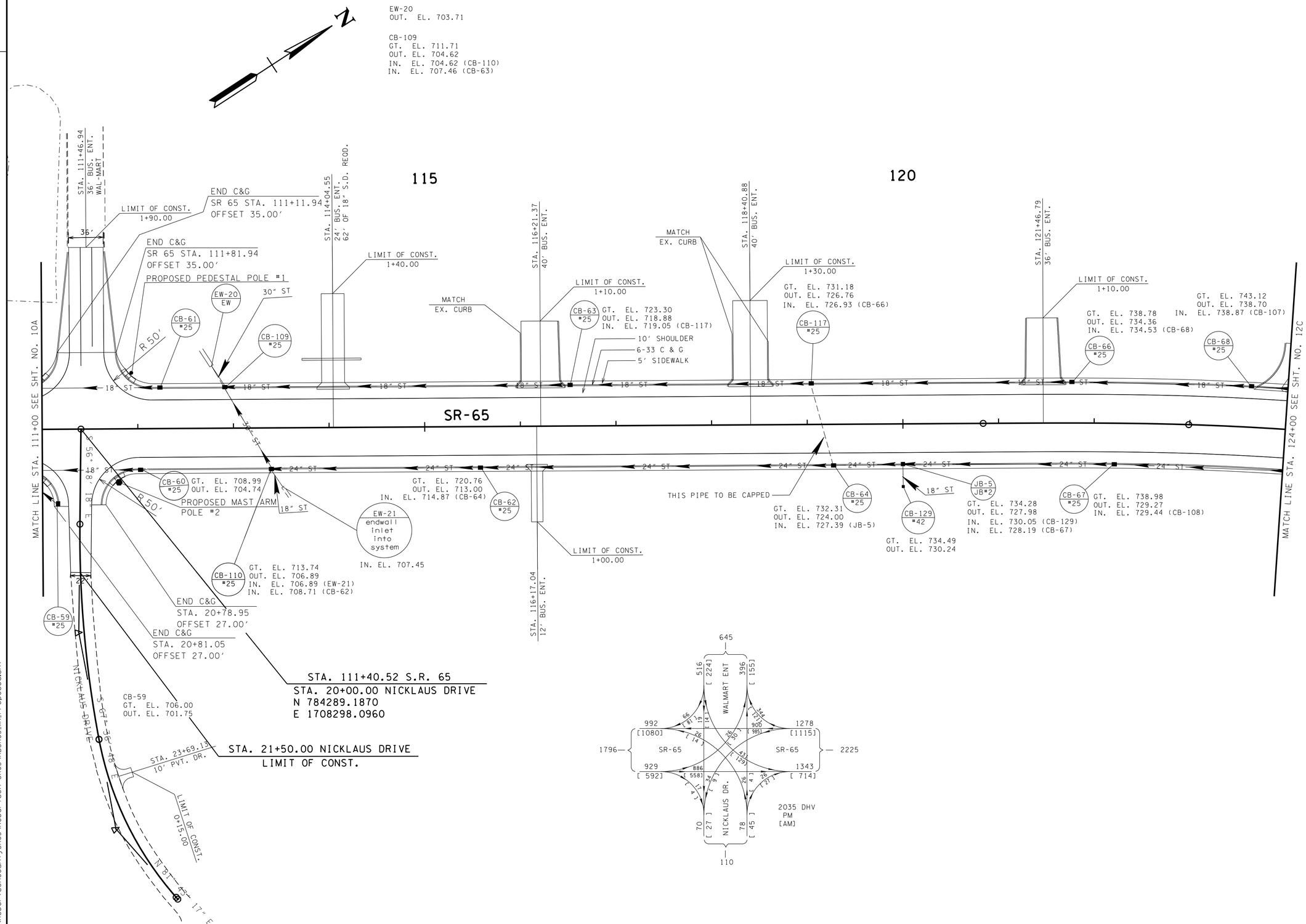
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	11A
CONST	2015	STP/NH/DEMO-65(8)	11A

REV. 08/10/10: EXTENDED ALIGNMENT FOR NICKLAUS DRIVE & ADDED DRIVEWAY TO TRACT 44.



SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 111+00 TO STA. 124+00

SCALE: 1"= 50'

29-MAY-2015 09:49
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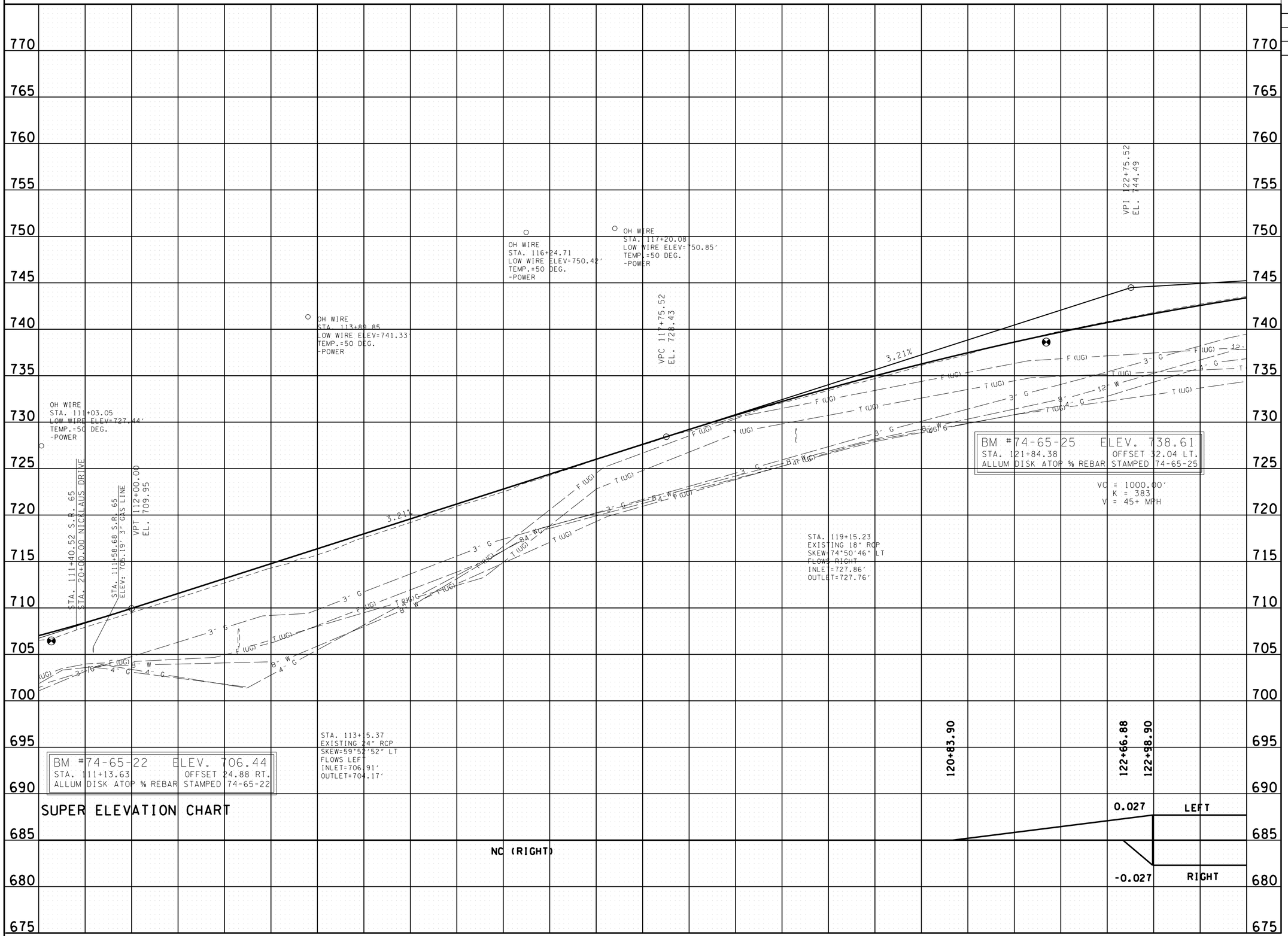
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	11B
CONST	2015	STP/NH/DEMO-65(8)	11B



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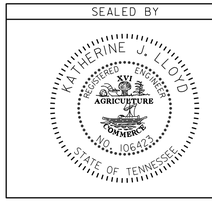

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 111+00 TO STA. 124+00

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

9-MAY-2015 09:49
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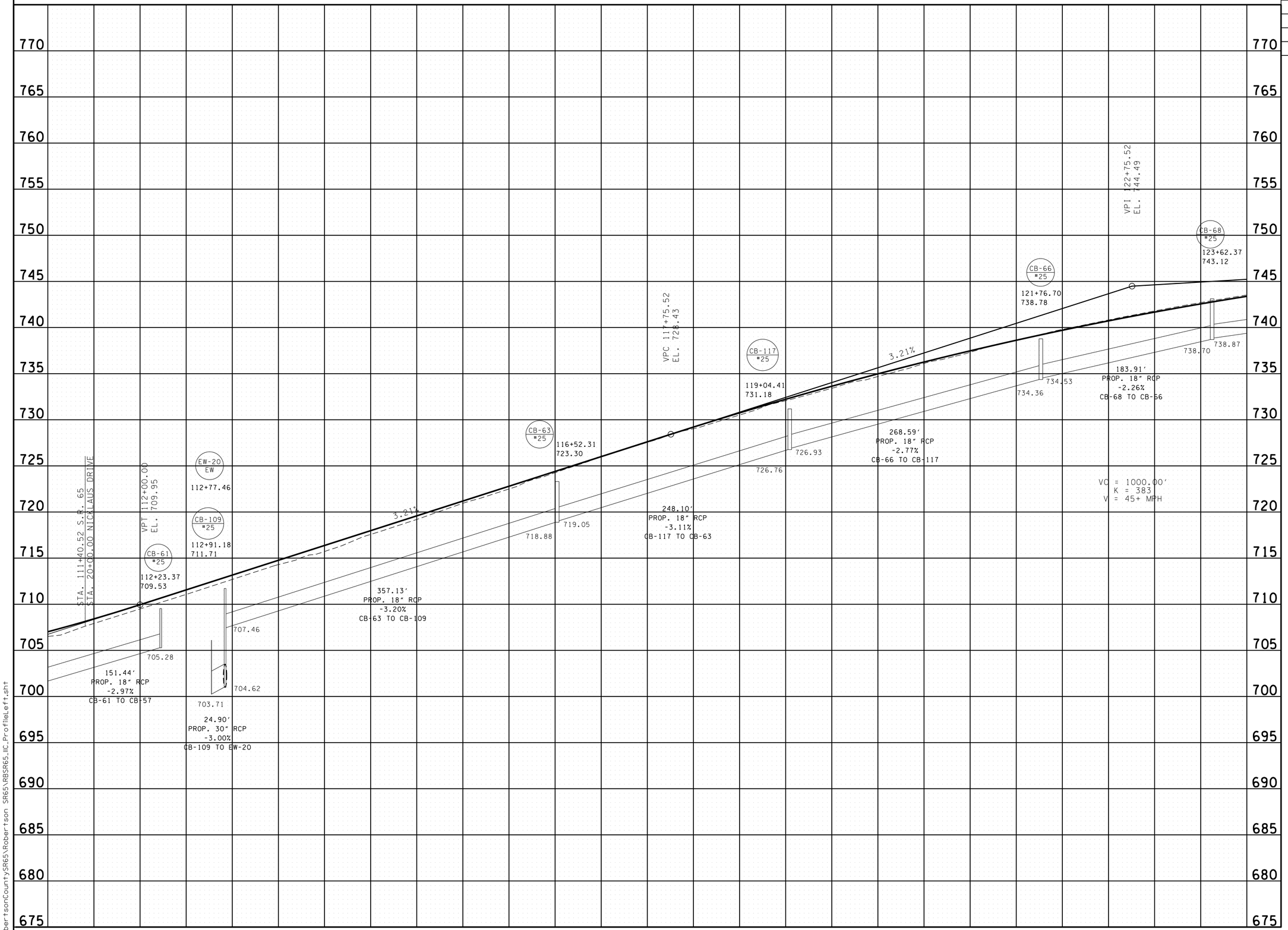
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	11C



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE LEFT

STA. 111+00 TO STA. 124+00

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

9-MAY-2015 09:49
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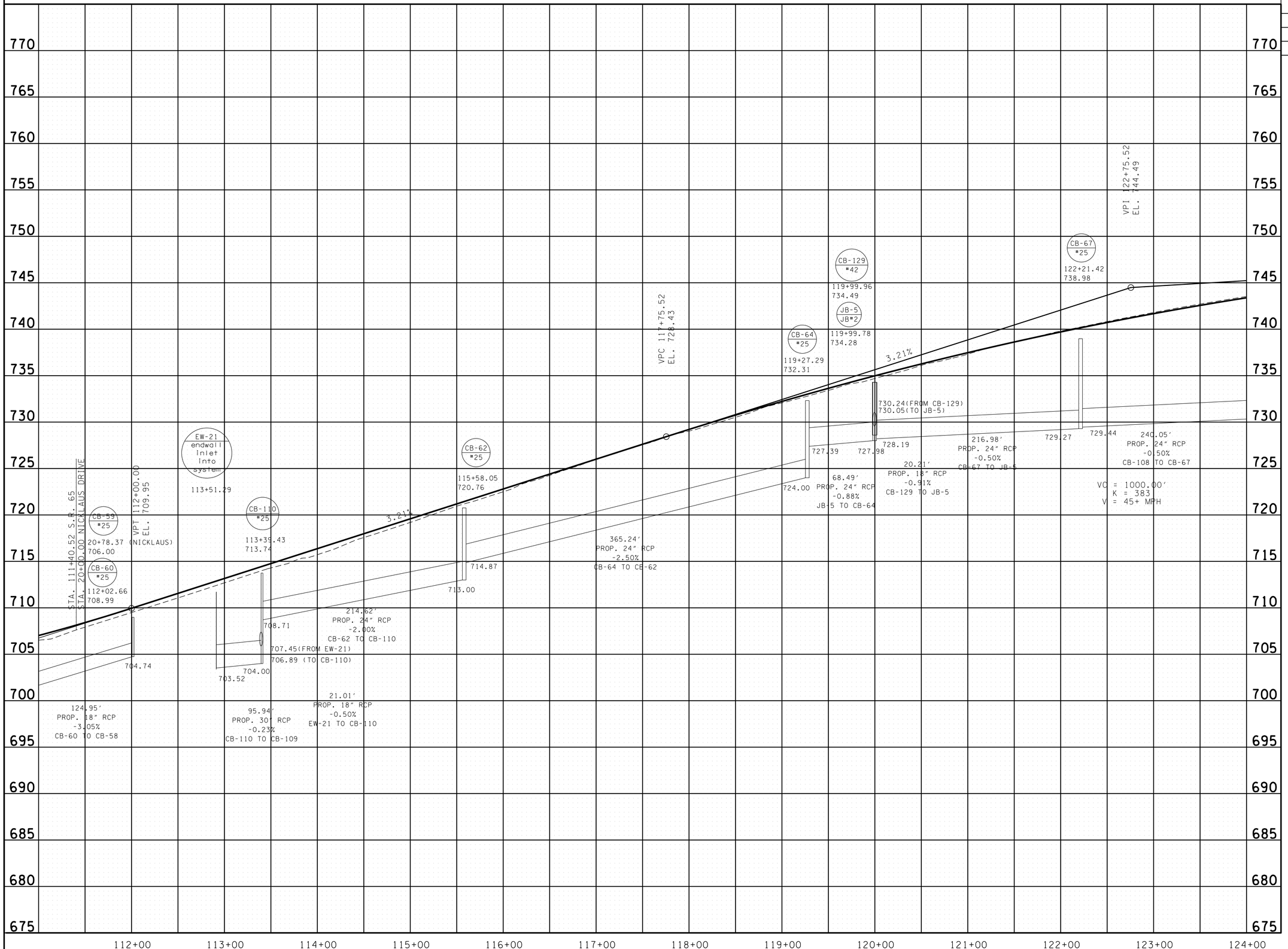
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	11D



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE RIGHT

STA. 111+00 TO STA. 124+00

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

09-MAY-2015 09:49
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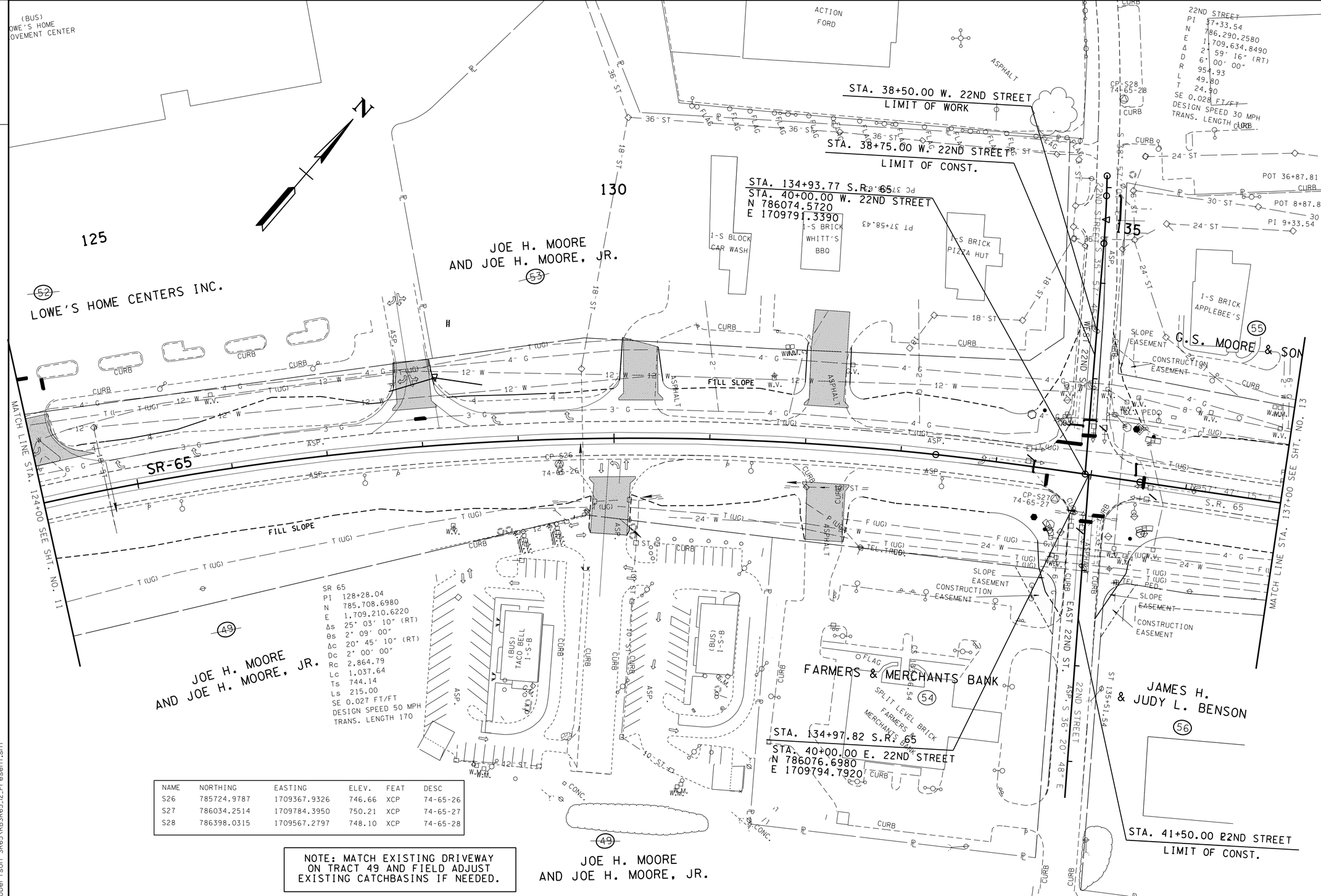
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	12
CONST	2015	STP/NH/DEMO-65(8)	12

REV. 09/04/09: UPDATED PROPERTY OWNERS ON TRACTS 55 & 56.
REV. 08/10/10: ADDED NOTICE TO CONTRACTOR NOTE.
REV. 09/29/10: ADDED NOTICE TO CONTRACTOR NOTE.
REV. 01/15/15: UPDATED PROPOSED SIGNAL POLE LOCATIONS.



NAME	NORTHING	EASTING	ELEV.	FEAT	DESC
S26	785724.9787	1709367.9326	746.66	XCP	74-65-26
S27	786034.2514	1709784.3950	750.21	XCP	74-65-27
S28	786398.0315	1709567.2797	748.10	XCP	74-65-28

NOTE: MATCH EXISTING DRIVEWAY ON TRACT 49 AND FIELD ADJUST EXISTING CATCHBASINS IF NEEDED.

NOTICE TO CONTRACTOR: DO NOT DAMAGE APPLEBEES EXISTING SIGN AND/OR FOOTING ON SW CORNER OF TRACT 55 (THE CORNER OF SR65 & WEST 22ND STREET).

NOTICE TO CONTRACTOR: DO NOT DAMAGE FARMERS & MERCHANTS EXISTING BANK SIGN AND/OR FOOTING ON TRACT 54 AT THE CORNER OF SR65 & EAST 22ND STREET.

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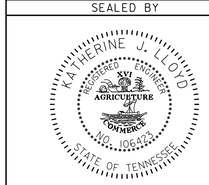

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 124+00 TO STA. 137+00

SCALE: 1"= 50'

29-MAY-2015 09:49
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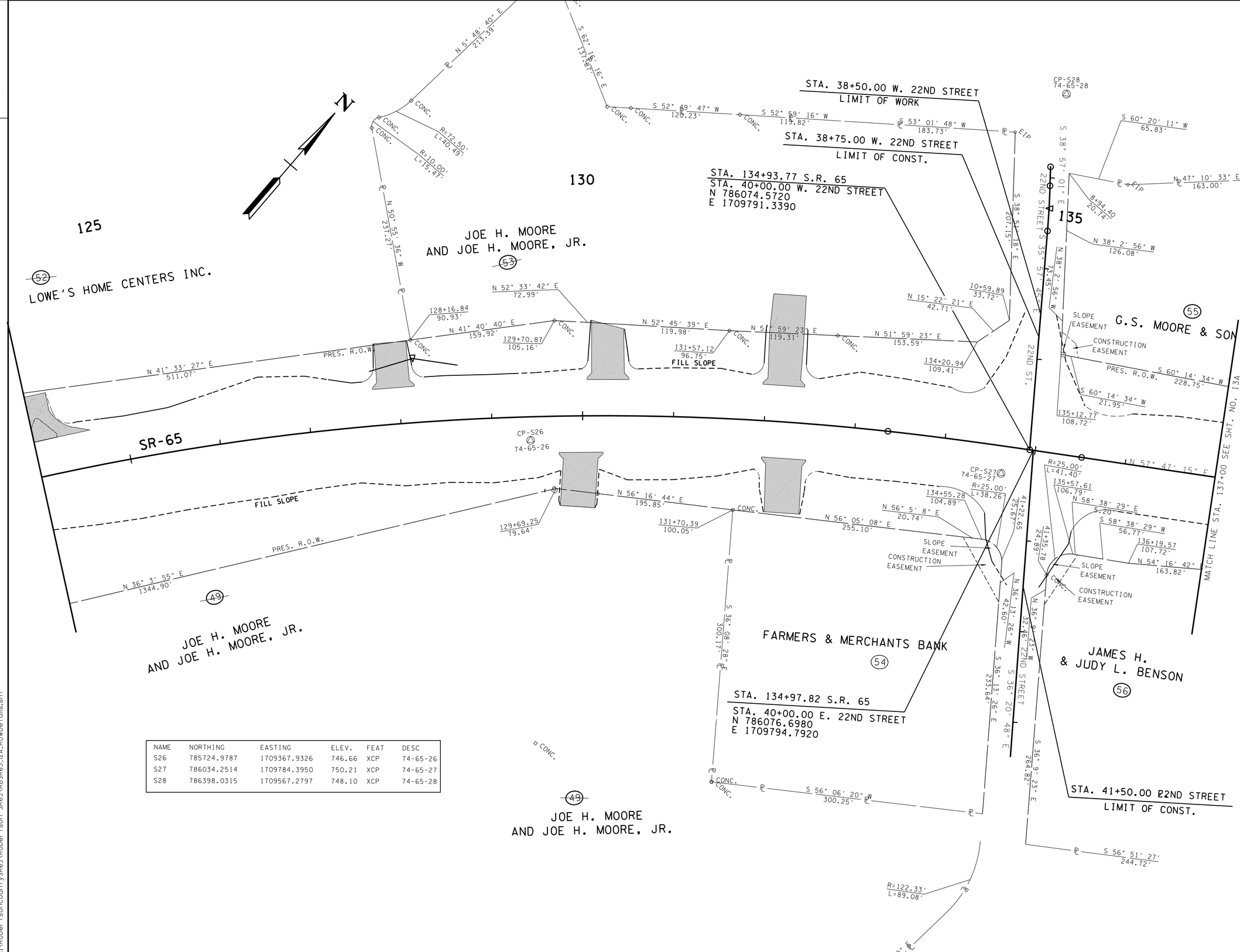
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	12A
CONST	2015	STO/DEMO-65(8)	12A

REV. 09/04/09: UPDATED PROPERTY OWNERS ON TRACTS 55 & 56.



NAME	NORTHING	EASTING	ELEV.	FEAT	DESC
S26	785724.9787	1709367.9326	746.66	XCP	74-65-26
S27	786034.2514	1709784.3950	750.21	XCP	74-65-27
S28	786398.0315	1709567.2797	748.10	XCP	74-65-28

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KATHERINE J. LLOYD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 106422
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

R.O.W. DETAILS

STA. 124+00 TO STA. 137+00

SCALE: 1"= 50'

09-MAY-2015 09:49
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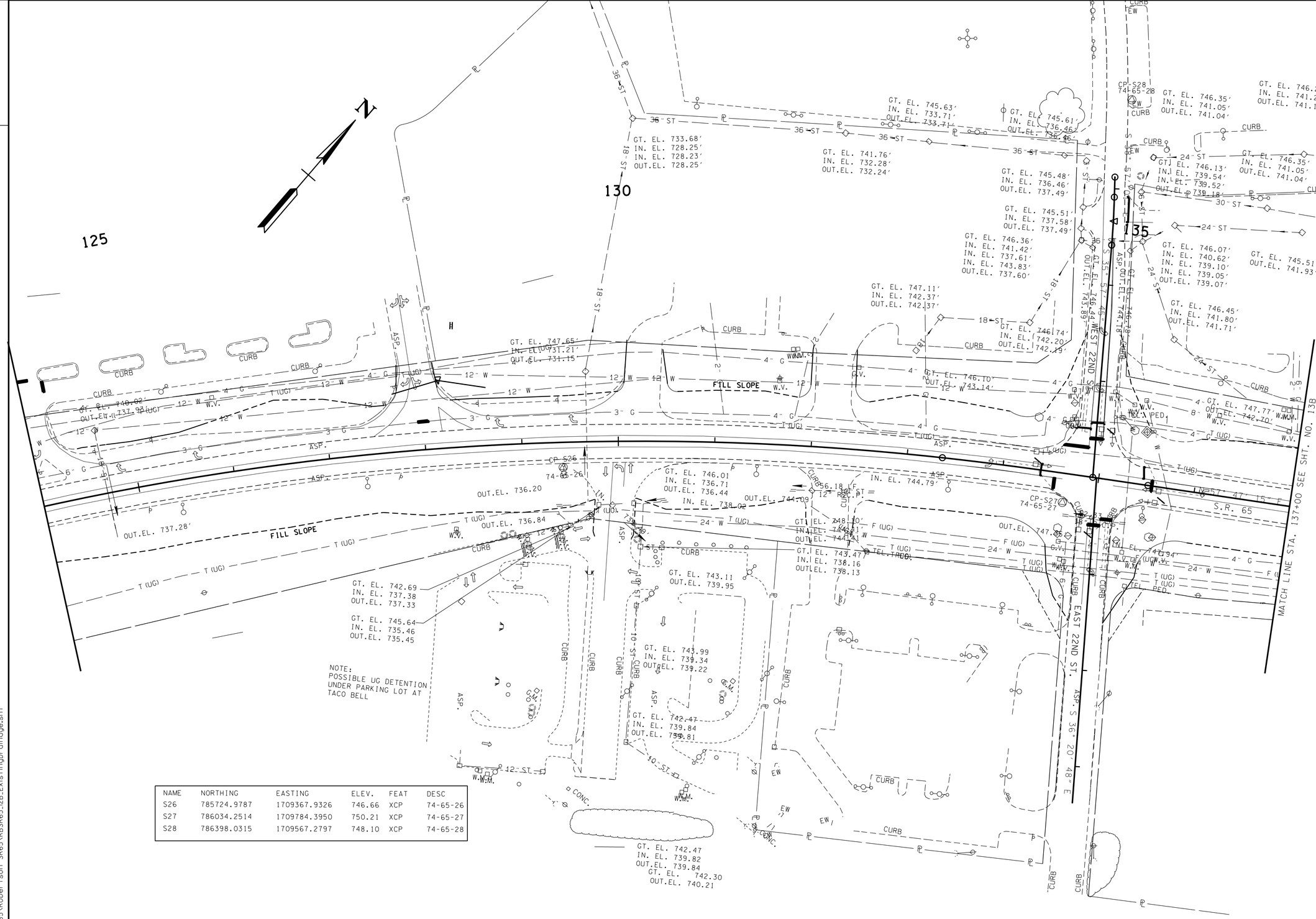
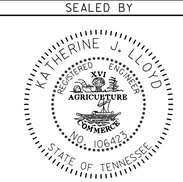
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	12B
CONST	2015	STP/NH/DEMO-65(8)	12B



NAME	NORTHING	EASTING	ELEV.	FEAT	DESC
S26	785724.9787	1709367.9326	746.66	XCP	74-65-26
S27	786034.2514	1709784.3950	750.21	XCP	74-65-27
S28	786398.0315	1709567.2797	748.10	XCP	74-65-28

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EXISTING DRAINAGE

STA. 124+00 TO STA. 137+00

SCALE: 1"= 50'

19-MAY-2015 09:49
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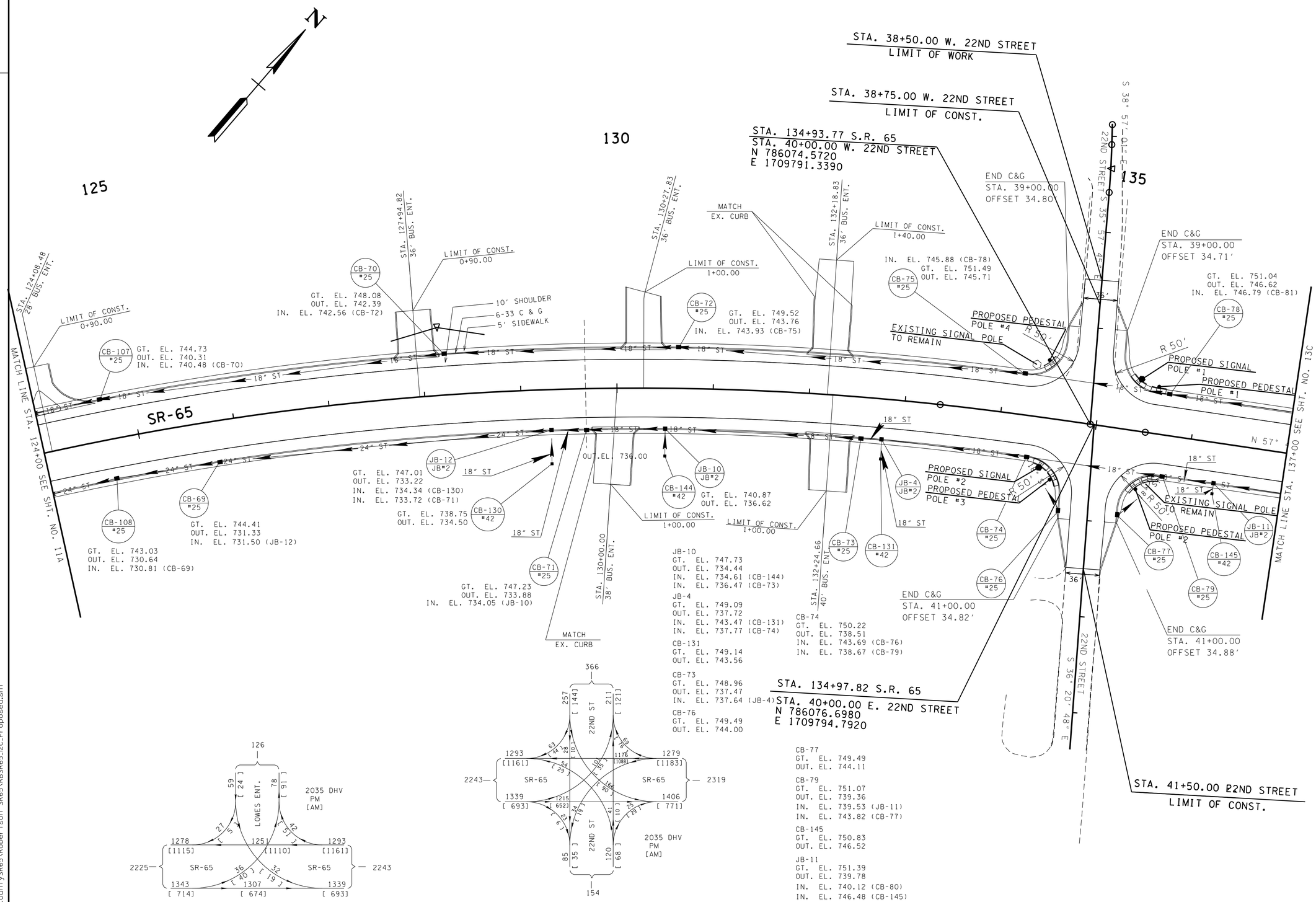
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	12C
CONST	2015	STP/NH/DEMO-65(8)	12C

REV. 01/15/15: UPDATED PROPOSED SIGNAL POLE LOCATIONS.



SEALED BY

KATHERINE J. LLOYD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 106423
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 124+00 TO STA. 137+00

SCALE: 1"= 50'

09-MAY-2015 09:49
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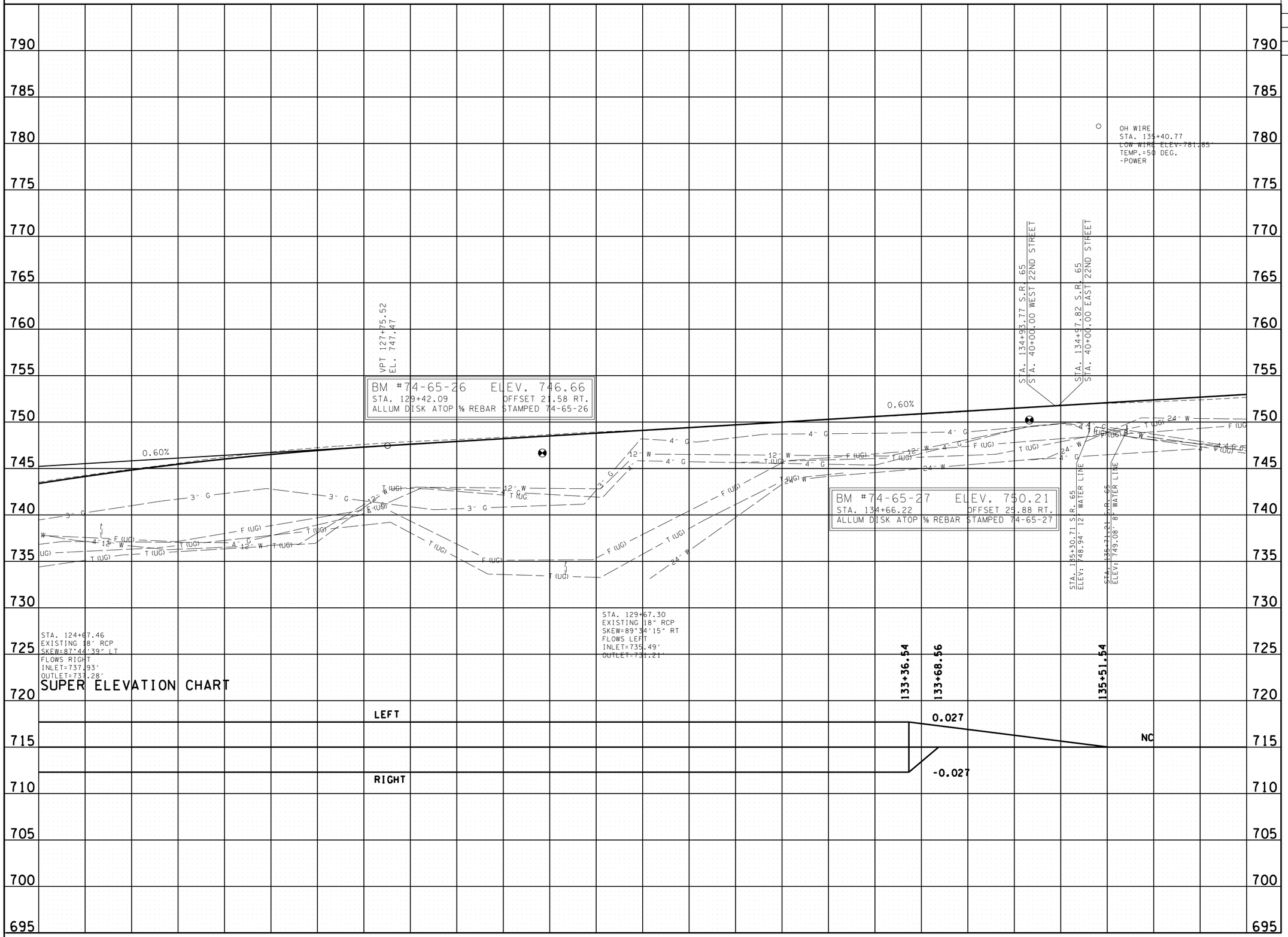
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	12B
CONST	2015	STP/NH/DEMO-65(8)	12D



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 124+00 TO STA. 137+00

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

9-MAY-2015 09:49
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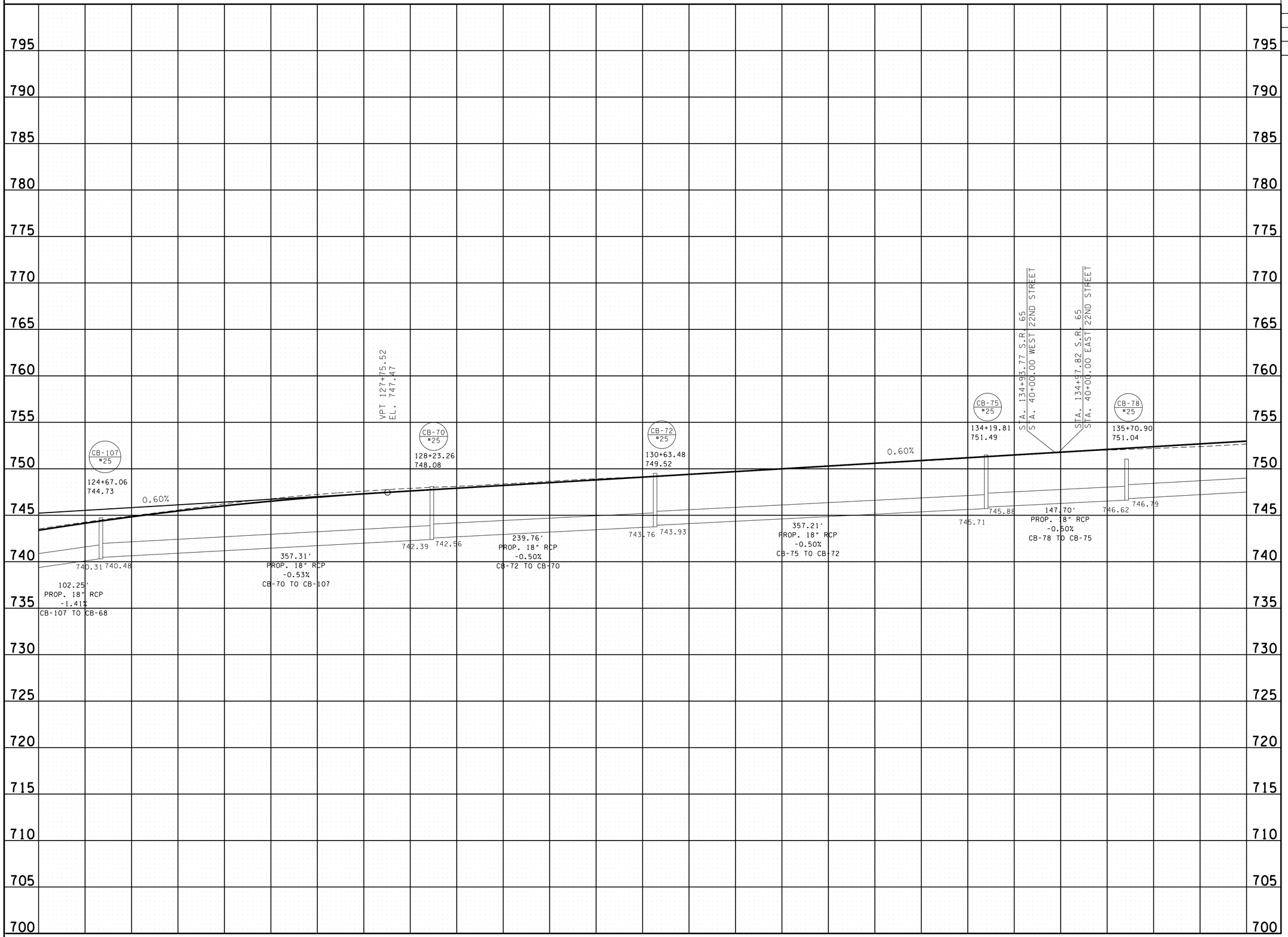
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	12E



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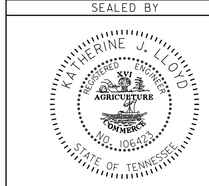

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE LEFT

STA. 124+00 TO STA. 137+00

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

29-MAY-2015 09:49
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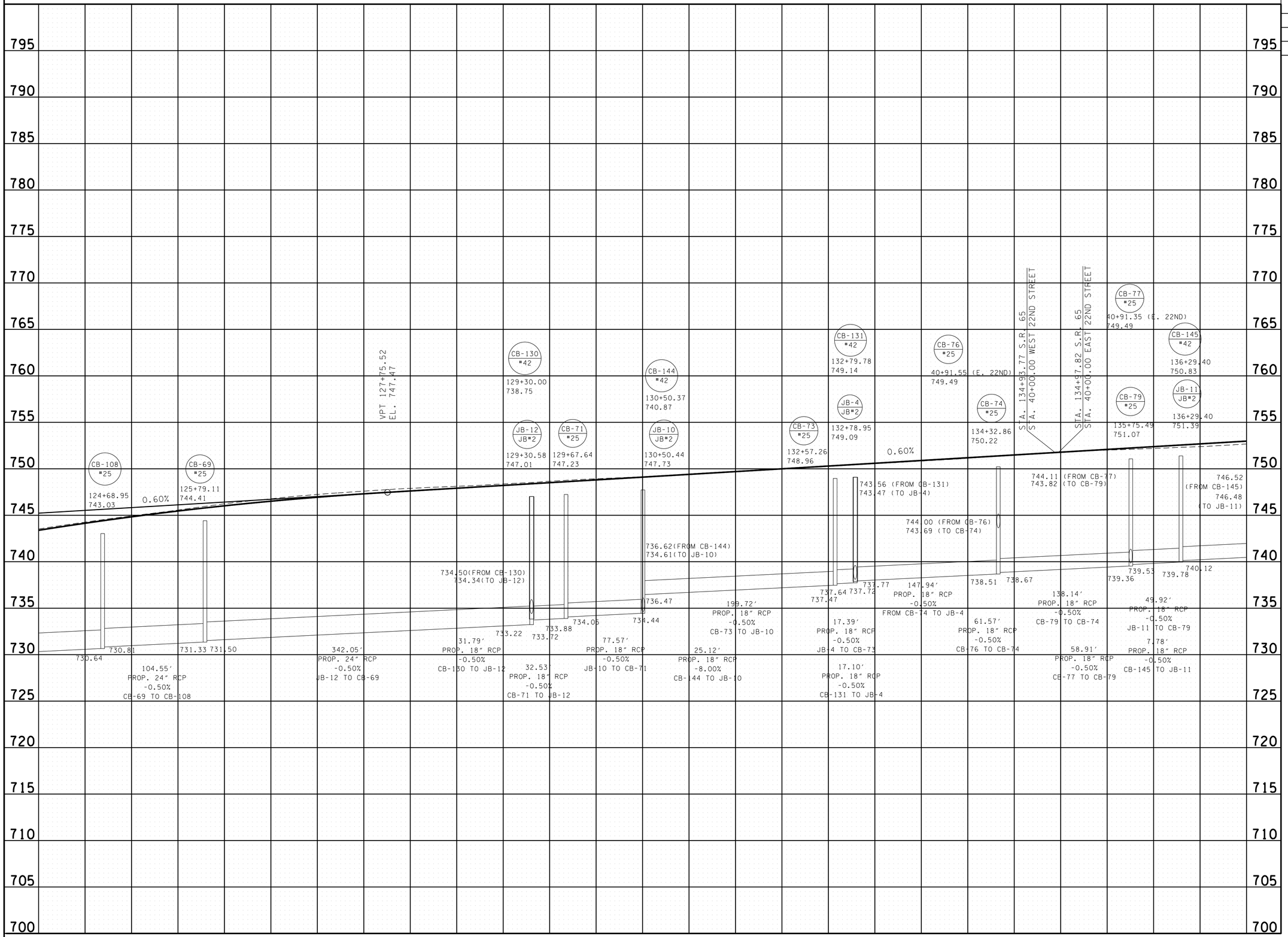
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	12F



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE RIGHT

STA. 124+00 TO STA. 137+00

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

09-MAY-2015 09:49
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	13
CONST	2015	STP/NH/DEMO-65(8)	13

REV. 09/04/09: UPDATED PROPERTY OWNER ON TRACT 58.

REV. 10/26/09: ADDED PARKING SPACES TO TRACTS 62, 64 & 71. UPDATED PROPERTY OWNER ON TRACT 61.

REV. 06/09/10: DELETED PROPOSED DRIVEWAY ON TRACT 64.

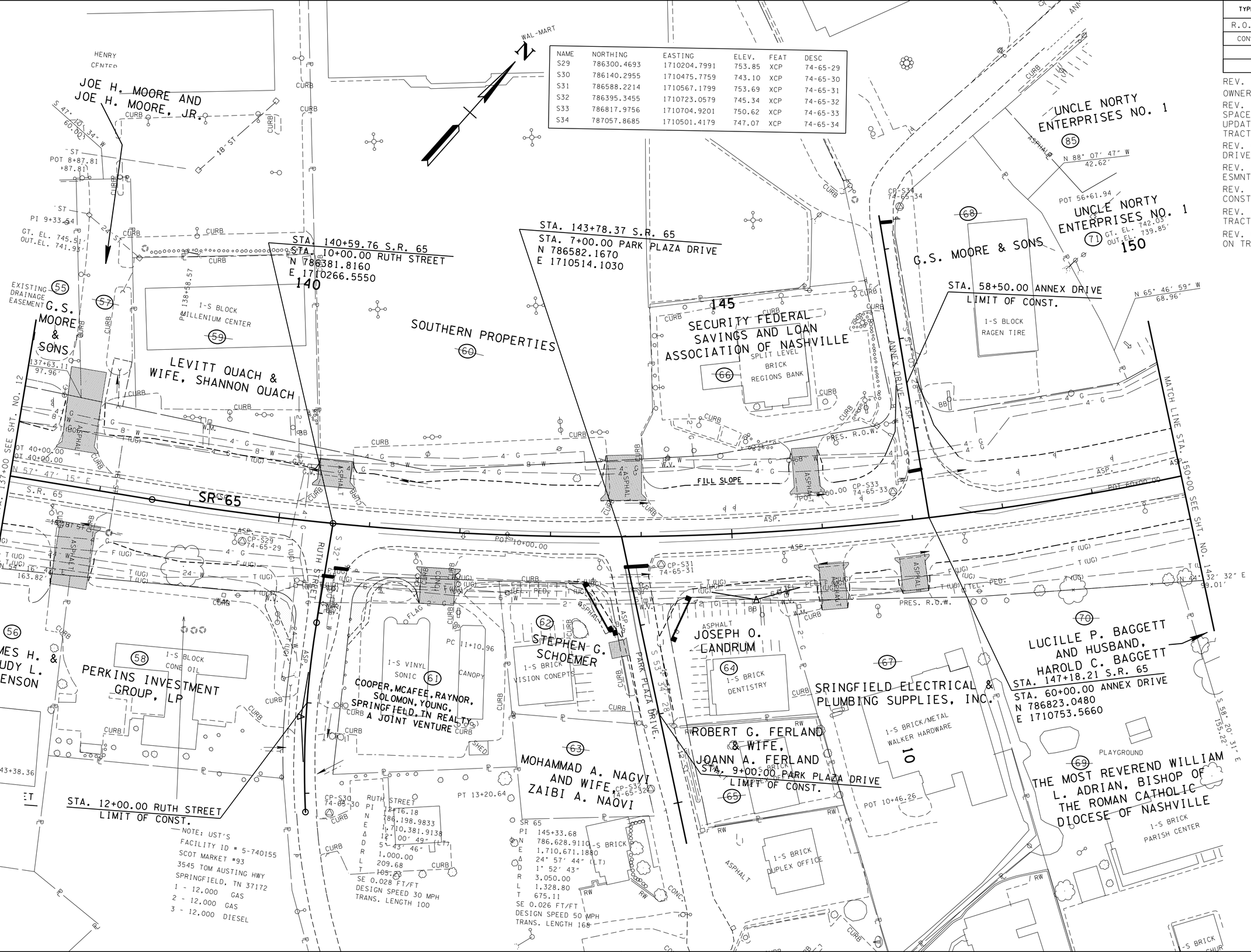
REV. 11/16/10: REVISED CONST. ESMNT. ON TRACTS 61 & 62.

REV. 10/15/12: REVISED SLOPE & CONST. ESMNT. ON TRACT 62.

REV. 09/10/13: REVISED NAME ON TRACT 61.

REV. 05/19/15: ADDED DRIVEWAY ON TRACT 62 ON PARK PLAZA DRIVE.

NAME	NORTHING	EASTING	ELEV.	FEAT	DESC
S29	786300.4693	1710204.7991	753.85	XCP	74-65-29
S30	786140.2955	1710475.7759	743.10	XCP	74-65-30
S31	786588.2214	1710567.1799	753.69	XCP	74-65-31
S32	786395.3455	1710723.0579	745.34	XCP	74-65-32
S33	786817.9756	1710704.9201	750.62	XCP	74-65-33
S34	787057.8685	1710501.4179	747.07	XCP	74-65-34



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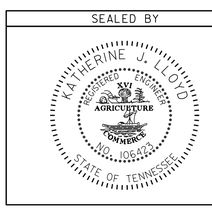

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 137+00 TO STA. 150+00

SCALE: 1"= 50'

19-MAY-2015 09:50
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	13A
CONST	2015	STP/NH/DEMO-65(8)	13A

REV. 09/04/09:UPDATED PROPERTY OWNER ON TRACT 58.

REV. 10/26/09:UPDATED PROPERTY OWNER ON TRACT 61.

REV. 06/09/10: DELETED PROPOSED DRIVEWAY ON TRACT 64.

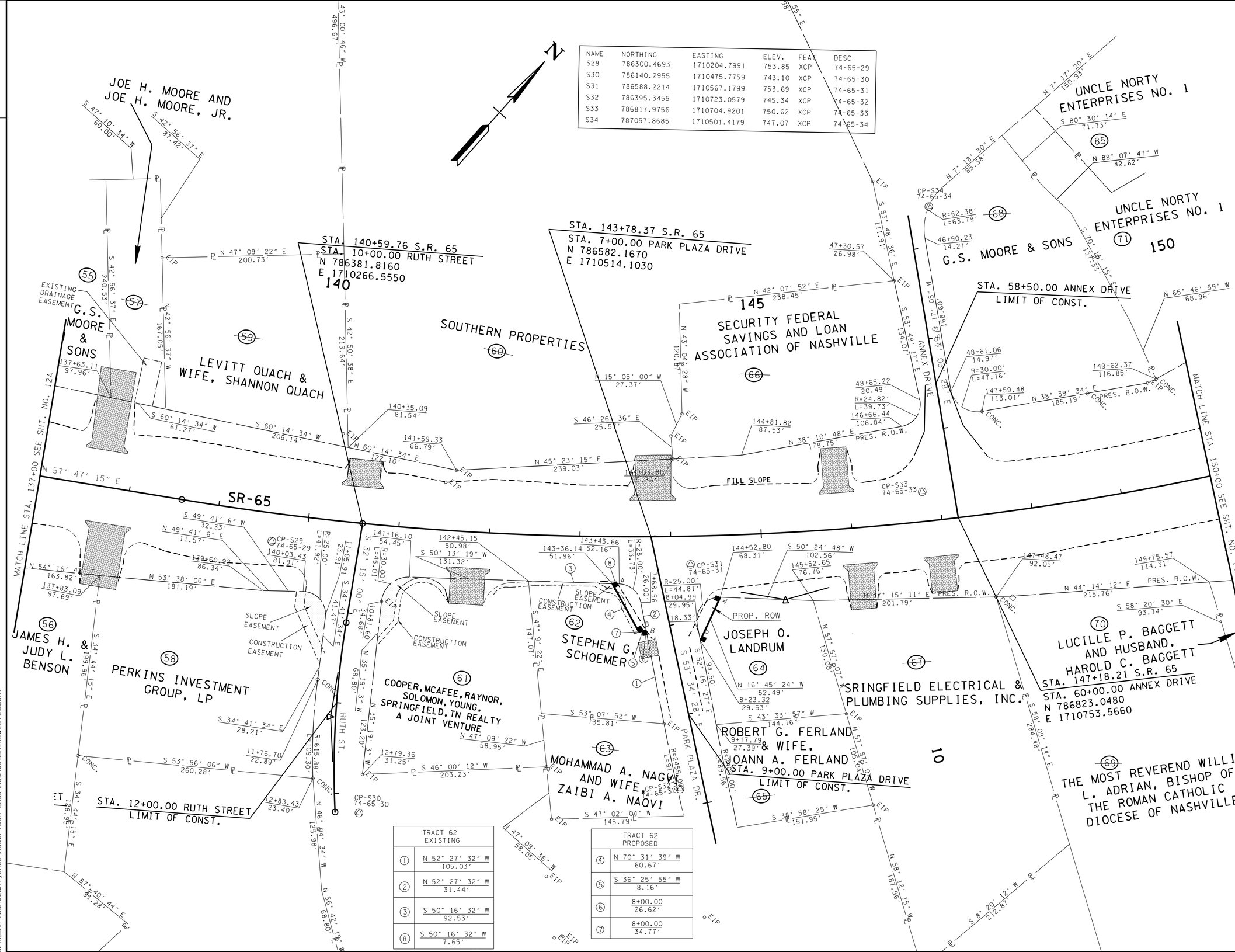
REV. 11/16/10: REVISED CONST. ESMNT. ON TRACTS 61 & 62.

REV. 10/15/12: REVISED SLOPE & CONST. ESMNT. ON TRACT 62.

REV. 09/10/13: REVISED NAME ON TRACT 61.

REV. 05/19/15: ADDED DRIVEWAY ON TRACT 62 ON PARK PLAZA DRIVE.

NAME	NORTHING	EASTING	ELEV.	FEAT	DESC
S29	786300.4693	1710204.7991	753.85	XCP	74-65-29
S30	786140.2955	1710475.7759	743.10	XCP	74-65-30
S31	786588.2214	1710567.1799	753.69	XCP	74-65-31
S32	786395.3455	1710723.0579	745.34	XCP	74-65-32
S33	786817.9756	1710704.9201	750.62	XCP	74-65-33
S34	787057.8685	1710501.4179	747.07	XCP	74-65-34



TRACT 62 EXISTING	
1	N 52° 27' 32" W 105.03'
2	N 52° 27' 32" W 31.44'
3	S 50° 16' 32" W 92.53'
8	S 50° 16' 32" W 7.65'

TRACT 62 PROPOSED	
4	N 70° 31' 39" W 60.67'
5	S 36° 25' 55" W 8.16'
6	8+00.00 26.62'
7	8+00.00 34.77'

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

R.O.W. DETAILS

STA. 137+00 TO STA. 150+00

SCALE: 1"= 50'

19-MAY-2015 09:50
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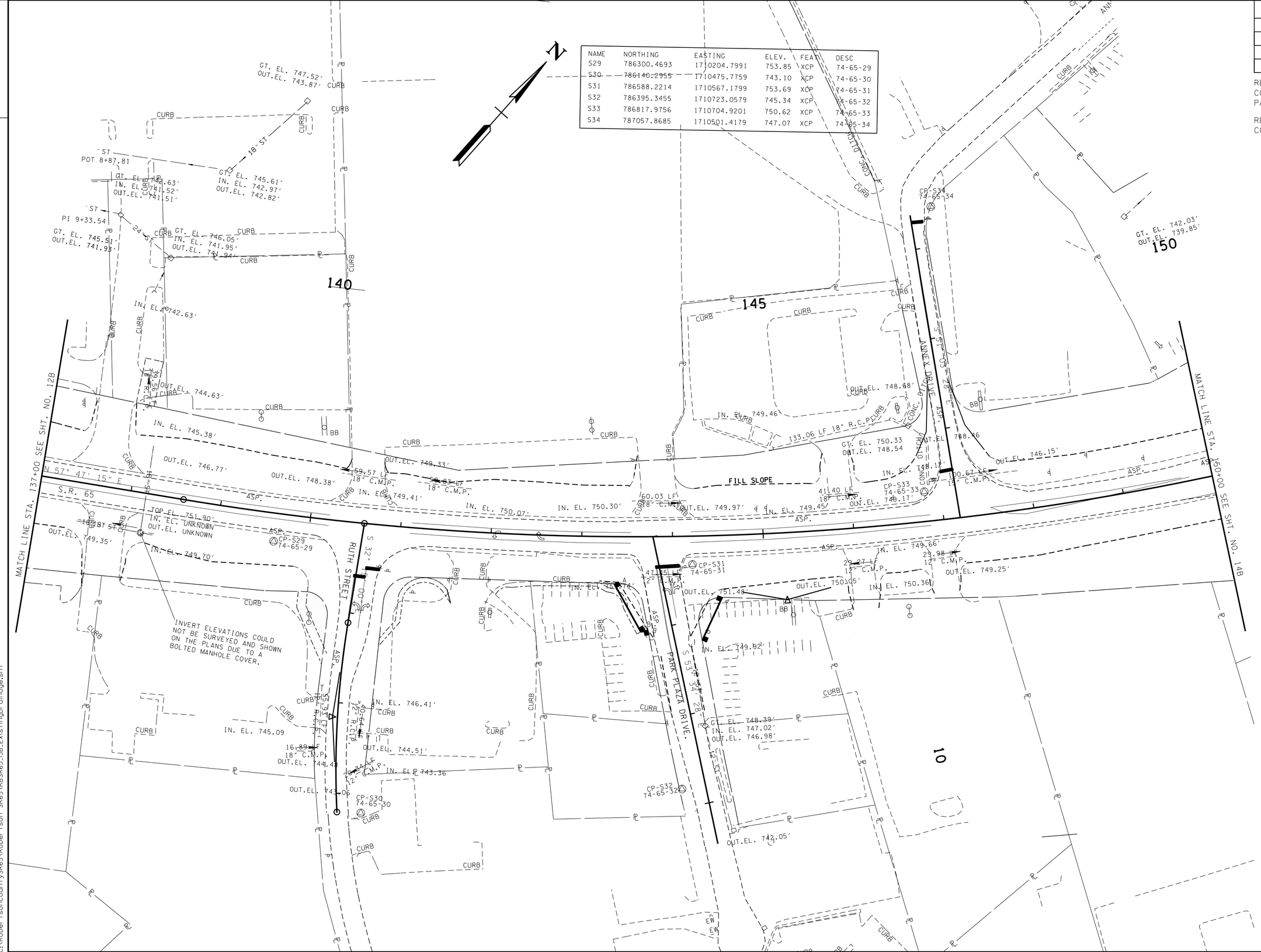
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	13B
CONST	2015	STP/NH/DEMO-65(8)	13B

REV 11/16/10: UPDATED SLOPE & CONST. ESMNT. BETWEEN RUTH ST. & PARK PLAZA DR. (TRACTS 61 & 62)

REV 10/15/12: REVISED SLOPE & CONST. ESMNT. ON TRACT 62.

NAME	NORTHING	EASTING	ELEV.	FEAT	DESC
S29	786300.4693	1710204.7991	753.85	XCP	74-65-29
S30	786140.2955	1710475.7759	743.10	XCP	74-65-30
S31	786588.2214	1710567.1799	753.69	XCP	74-65-31
S32	786395.3455	1710723.0579	745.34	XCP	74-65-32
S33	786817.9756	1710704.9201	750.62	XCP	74-65-33
S34	787057.8685	1710501.4179	747.07	XCP	74-65-34



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EXISTING DRAINAGE

STA. 137+00 TO STA. 150+00

SCALE: 1"= 50'

09-MAY-2015 09:50
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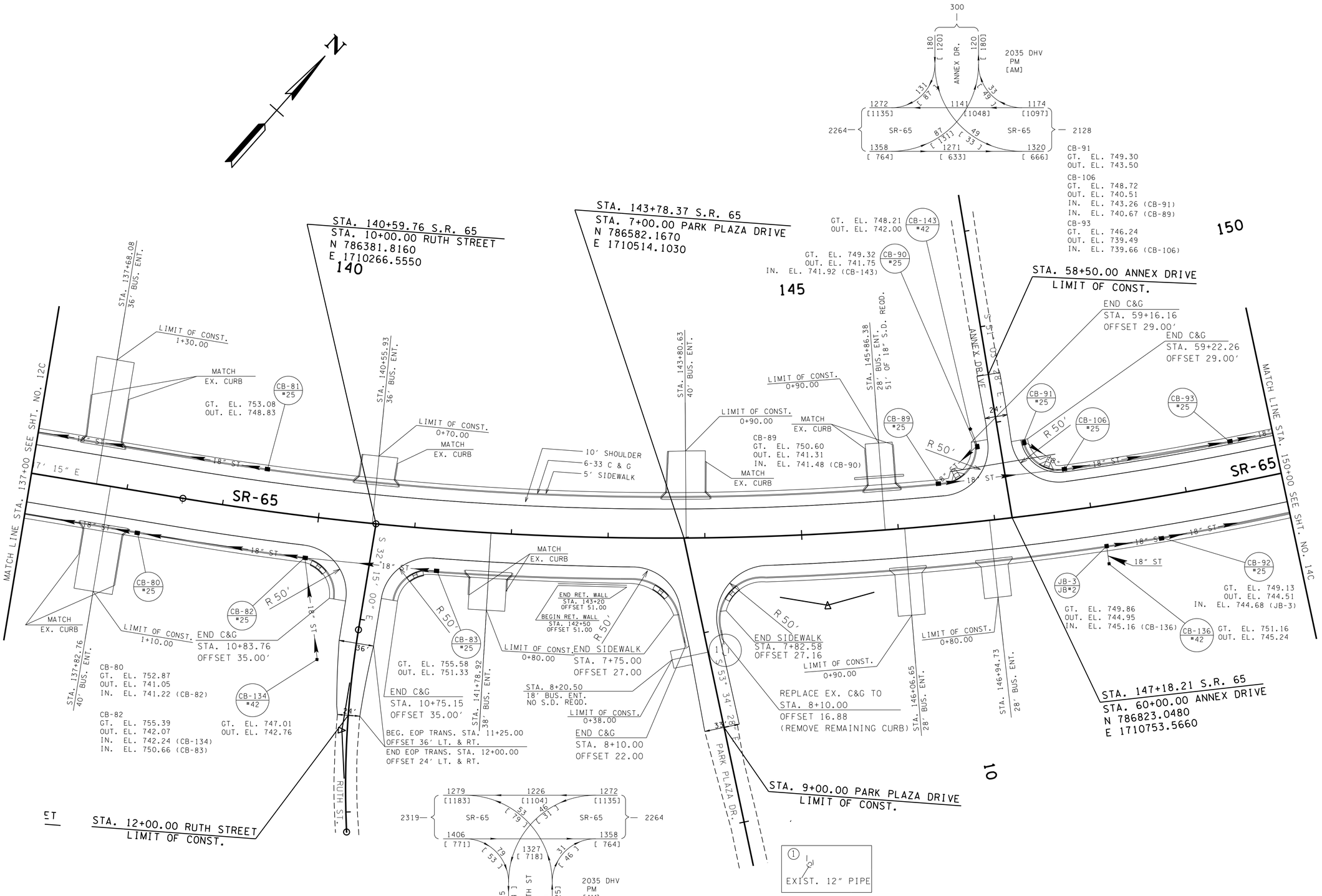
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	13C
CONST	2015	STP/NH/DEMO-65(8)	13C

REV. 06/09/10: DELETED PROPOSED DRIVEWAY ON TRACT 64.

REV. 10/15/12: ADDED RETAINING WALL FROM STA. 142+50 TO STA. 143+20.

REV. 05/19/15: ADDED DRIVEWAY ON TRACT 62 ON PARK PLAZA DRIVE.



ADT FOR PARK PLAZA DR. <1000
THEREFORE NO TURNING MOVEMENTS
WERE GIVEN.

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 137+00 TO STA. 150+00

SCALE: 1"= 50'

19-MAY-2015 09:50
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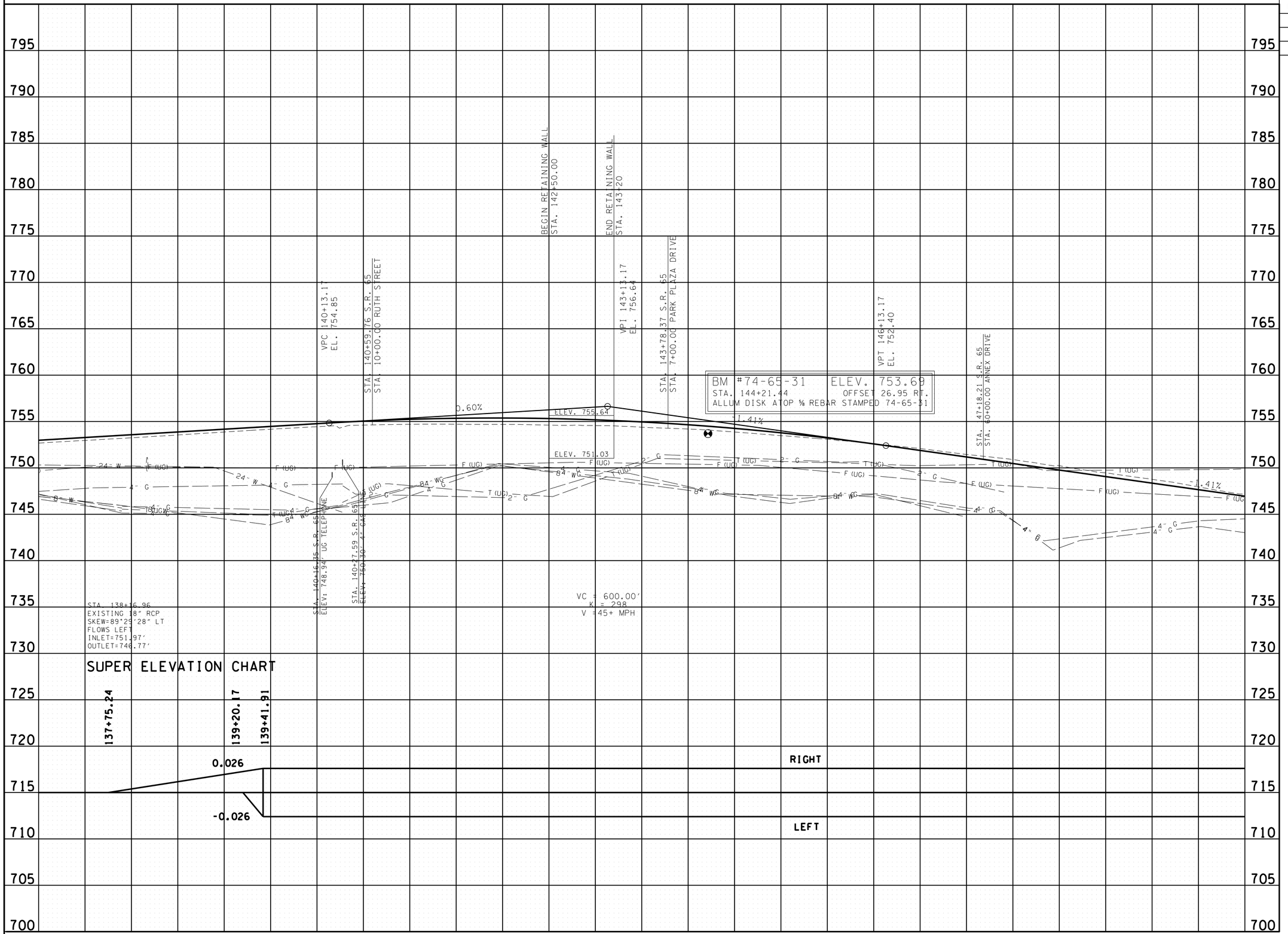
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	13B
CONST	2015	STP/NH/DEMO-65(8)	13D



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 137+00 TO STA. 150+00

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

9-MAY-2015 09:50
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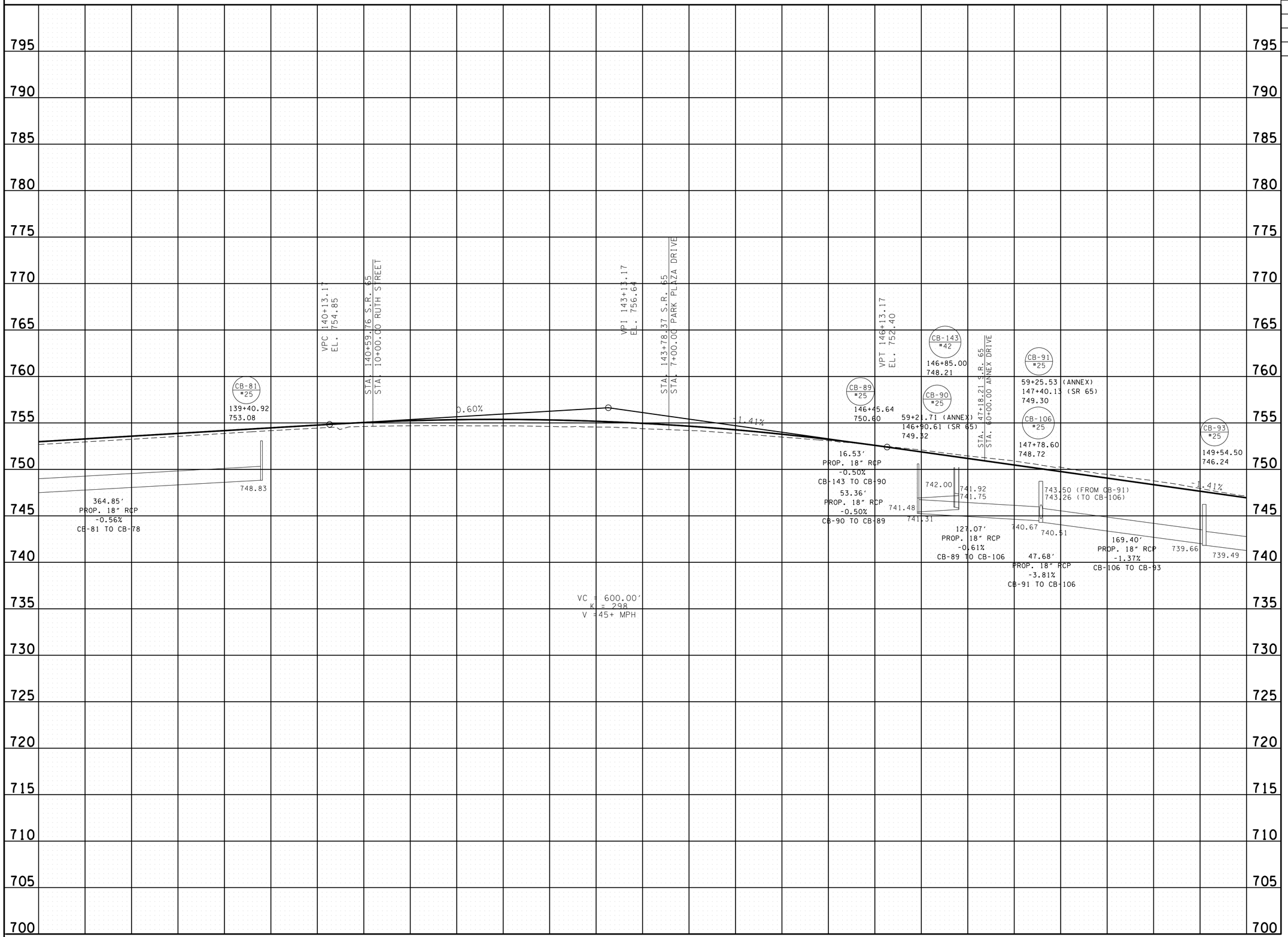
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	13E



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE LEFT

STA. 137+00 TO STA. 150+00

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

9-MAY-2015 09:50
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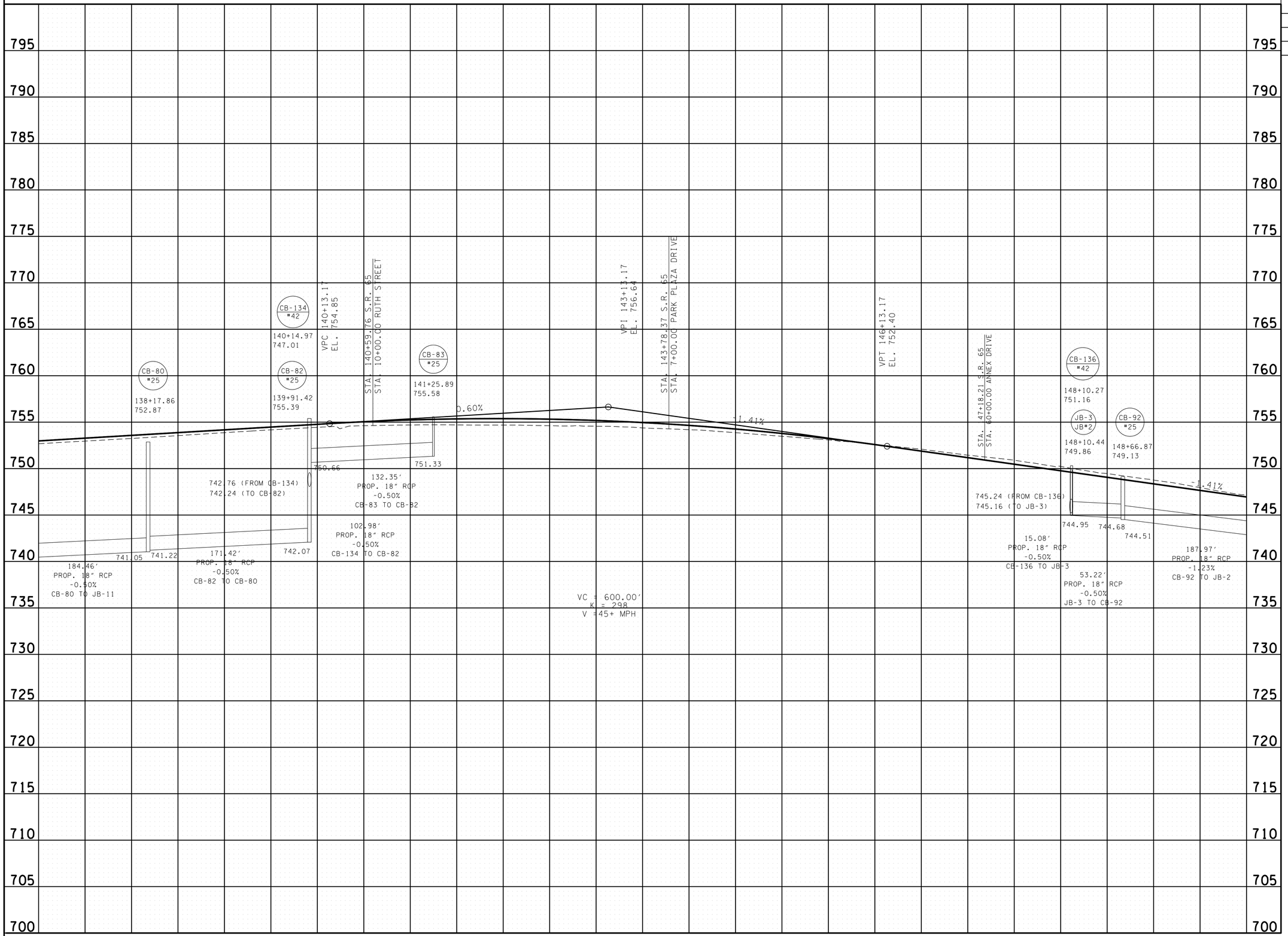
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	13F



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE RIGHT

STA. 137+00 TO STA. 150+00

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

9-MAY-2015 09:50
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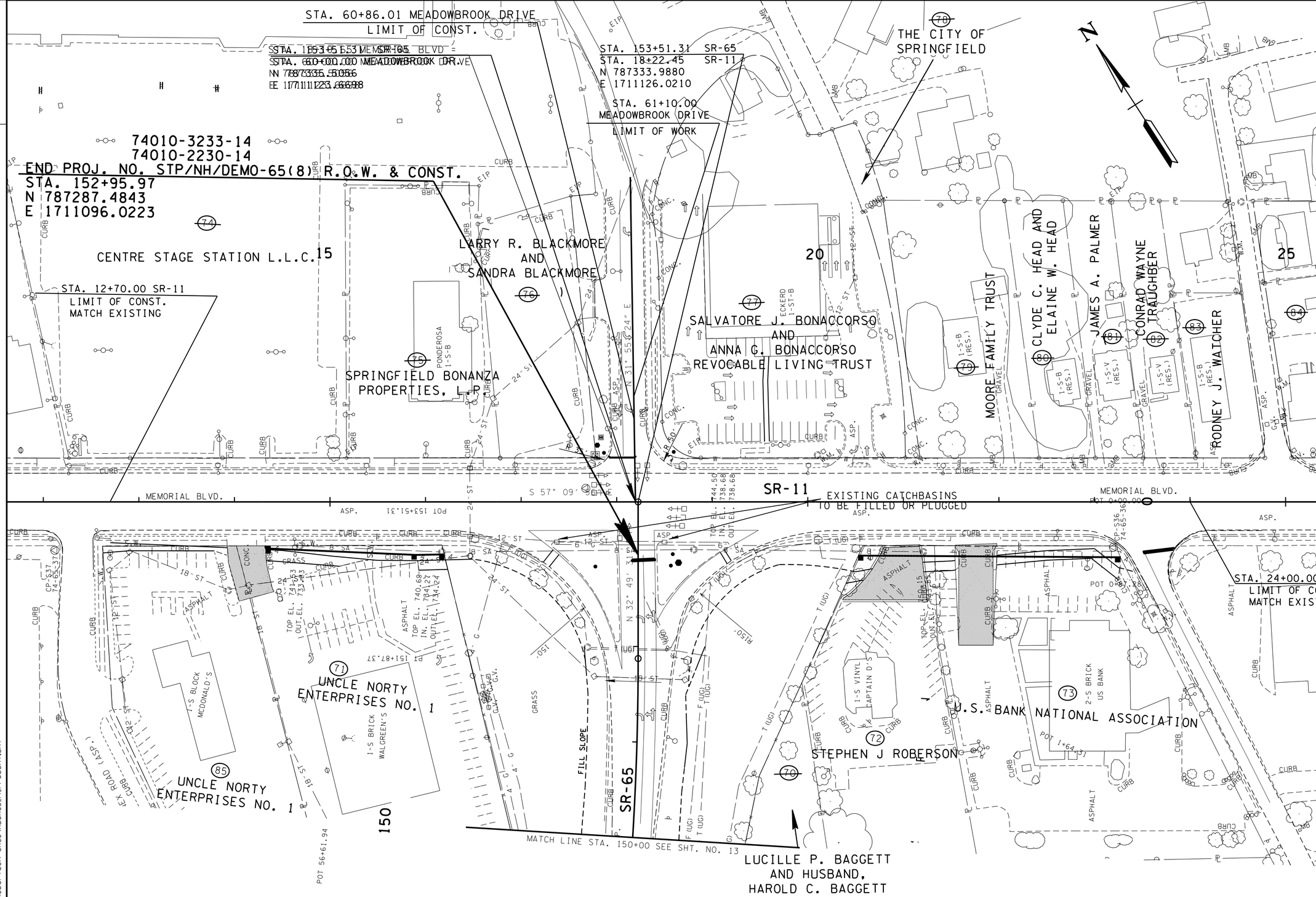
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	14
CONST	2015	STP/NH/DEMO-65(8)	14

REV. 10/26/09: ADDED PARKING SPACES TO TRACTS 73 & 71.
REV. 06/04/10: ADDED PARKING SPACES TO TRACT 72.
REV. 06/09/10: ADDED TRACT 85 & PROPERTY LINE BETWEEN TRACTS 71 & 85. DELETED 2 DRIVEWAYS ON TRACT 71 & SHIFTED REMAININ DRIVEWAY.
REV. 11/16/10: DELETED CONST.ESMNT. & REVISED SLOPE ESMNT.ON TRACT 85. REVISED CONST. ESMNT. ON TRACT 71. REVISED DRIVEWAY, SLOPE & CONST. ESMNT. ON TRACT 72. ADDED 2 NOTICE TO CONTRACTOR NOTES.
REV. 04/06/11: REVISED DRIVEWAYS, ROW, SLOPE, AND CONST. ESMNT. ON TRACTS 71, 72, 73 & 85.
REV. 03/08/12: REVISED ROW, SLOPE, AND CONST. ESMNT. ON TRACTS 71 & 85.
REV. 05/30/12: DELETED CONTRACTOR NOTE ASKING NOT TO REMOVE SIGN.
REV. 09/07/12: ADDED CONTRACTOR NOTE ASKING NOT TO REMOVE SIGN.
REV. 07/23/13: NAME CHANGE ON TRACT 72.
REV. 01/15/15: UPDATED PROPOSED SIGNAL POLE LOCATIONS.



NOTICE TO CONTRACTOR:
DO NOT DISTURB EXISTING SIGN AT THE NW CORNER OF TRACT 72.

NOTICE TO CONTRACTOR:
EXISTING PARKING LOT CURB TO BE USED FROM STA. 15+00.98/OFFSET 69.63 TO STA. 15+92 /OFFSET 61.49 ON TRACT 71.

NAME	NORTHING	EASTING	ELEV.	FEAT	DESC
S35	787401.2654	1711128.0272	742.53	XCP	74-65-35
S36	787024.3475	1711518.1435	750.29	XCP	74-65-36
S37	787622.2945	1710585.6254	738.08	XCP	74-65-37

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA.150+00 TO END OF PROJ.

SCALE: 1"=50'

9-MAY-2015 09:50
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	14A
CONST.	2015	STP/NH/DEMO-65(8)	14A

REV. 06/09/10: ADDED TRACT 85 & PROPERTY LINE BETWEEN TRACTS 71 & 85. DELETED 2 DRIVEWAYS ON TRACT 71 & SHIFTED REMAINING DRIVEWAY.

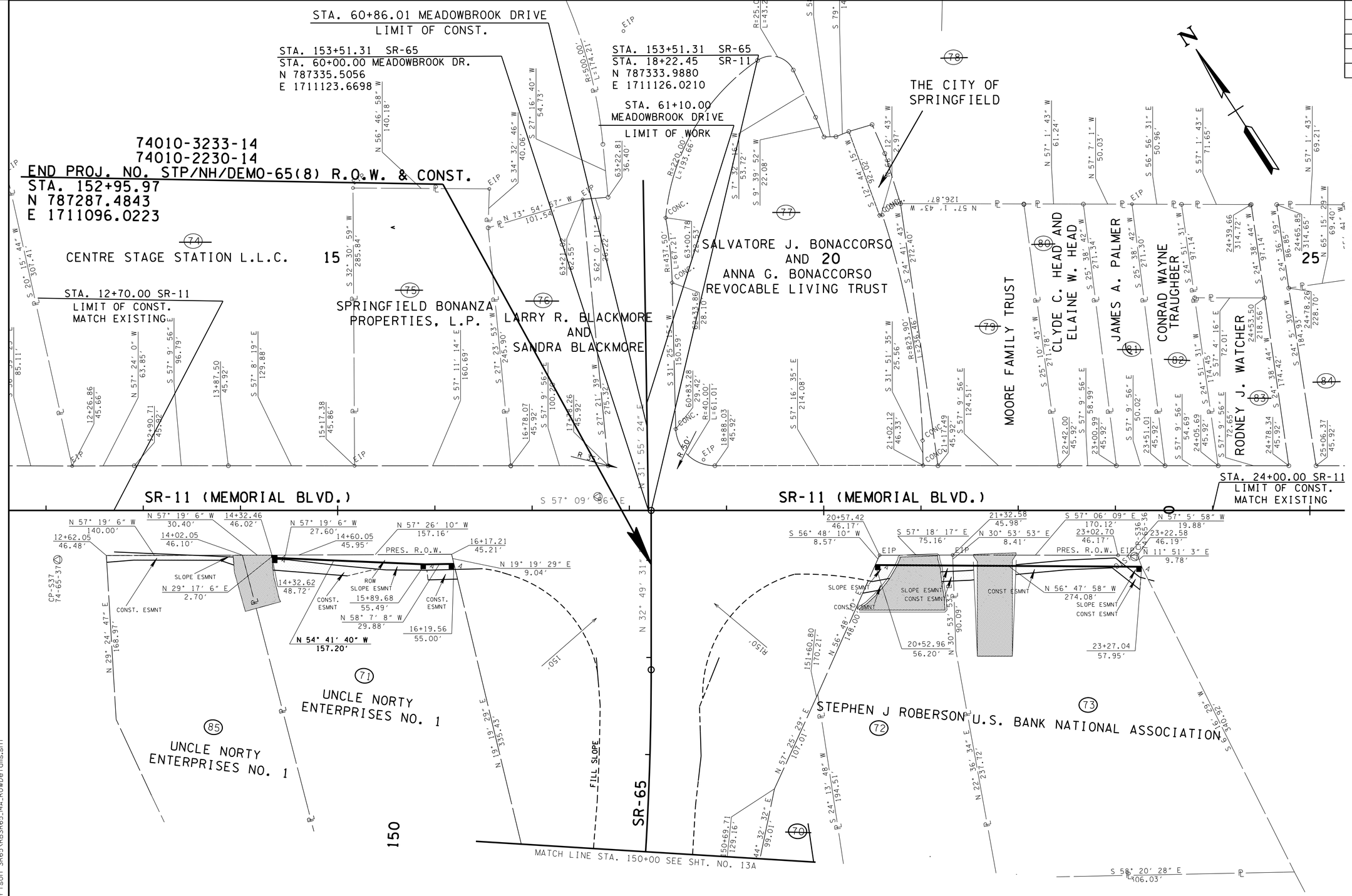
REV. 11/16/10: DELETED CONST. ESMNT. & REVISED SLOPE ESMNT. ON TRACT 85. REVISED CONST. ESMNT. ON TRACT 71. REVISED DRIVEWAY, SLOPE & CONST. ESMNTS. ON TRACT 72.

REV. 04/06/11: REVISED DRIVEWAYS, ROW, SLOPE, AND CONST. ESMNTS. ON TRACTS 71, 72, 73 & 85.

REV. 03/08/12: REVISED ROW, SLOPE, AND CONST. ESMNTS. ON TRACTS 71 & 85.

REV. 07/23/13: NAME CHANGE ON TRACT 72.

REV. 02/03/14: UPDATED DISTANCE ON PROP. ROW ON TRACT 71 BETWEEN STA. 14+32.62 & STA. 15+89.68



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

R.O.W. DETAILS

STA. 150+00 TO END OF PROJ.

SCALE: 1"=50'

9-MAY-2015 09:50
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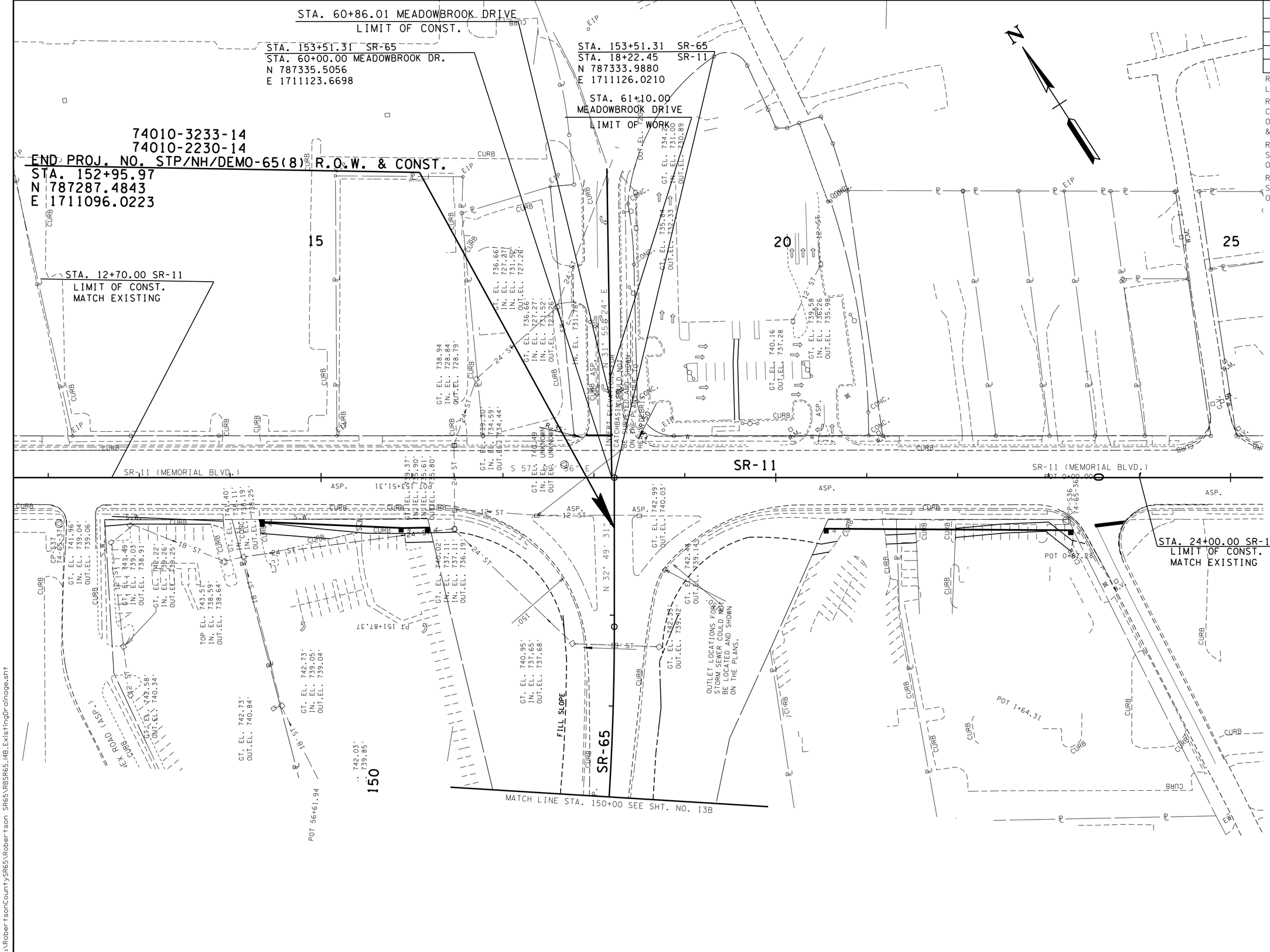
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	14B
CONST.	2015	STP/NH/DEMO-65(8)	14B

REV. 06/09/10: ADDED PROPERTY LINE BETWEEN TRACTS 71 & 85.

REV. 11/16/10: REVISED SLOPE & CONST. ESMNTS. ALONG RIGHT SIDE OF MEMORIAL BLVD. (TRACTS 71, 72 & 85).

REV. 04/06/11: REVISED ROW, SLOPE, AND CONST. ESMNTS, ON TRACTS 71, 72, 73 & 85.

REV. 03/08/12: REVISED ROW, SLOPE, AND CONST. ESMNTS, ON TRACTS 71 & 85.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EXISTING DRAINAGE

STA.150+00 TO END OF PROJ.

SCALE: 1"=50'

09-MAY-2015 09:50
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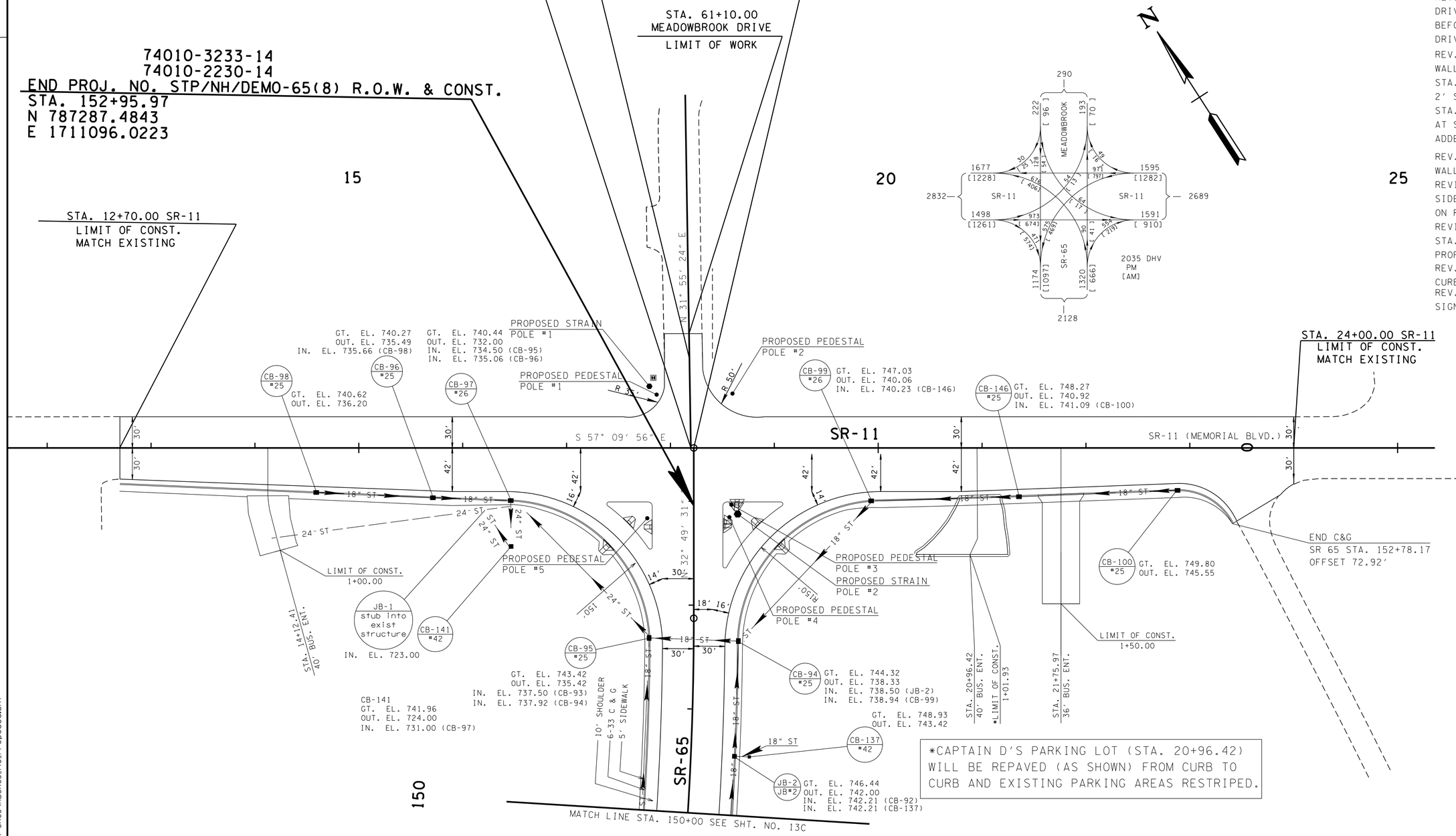
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	14C
CONST	2015	STP/NH/DEMO-65(8)	14C

REV. 06/09/10: DELETED 2 OF THE 3 DRIVEWAYS ON MEMORIAL BLVD RIGHT, BEFORE SR 65 & SHIFTED THE THIRD DRIVEWAY.
REV. 11/16/10: ADDED A RETAINING WALL ON RIGHT AT STA. 13+00 TO STA. 13+75. TRANSITIONING DOWN TO 2' SHLDRS FROM STA. 15+91.39 TO STA. 12+70.00. UPDATED DRIVEWAY AT STA. 20+96.42 (TRACT 72) & ADDED NOTE.
REV. 04/06/11: DELETED RETAINING WALL & ADDED MOUTABLE CURB. REVISED WIDTH OF GRASS STRIP & SIDEWALK FROM STA. 12+70 TO 15+90 ON RIGHT SIDE OF MEMORIAL BLVD. REVISED WIDTH OF SHOULDERS FROM STA. 19+00 TO 24+00. REVISED ALL PROPOSED DRIVEWAYS.
REV. 03/08/12: DELETED MOUTABLE CURB FROM STA 13+40 TO STA 13+92.
REV. 01/15/15: UPDATED PROPOSED SIGNAL POLE LOCATION.



*CAPTAIN D'S PARKING LOT (STA. 20+96.42) WILL BE REPAVED (AS SHOWN) FROM CURB TO CURB AND EXISTING PARKING AREAS RESTRIPED.

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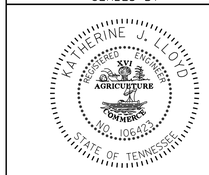

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA.150+00 TO END OF PROJ.

SCALE: 1"=50'

9-MAY-2015 09:50
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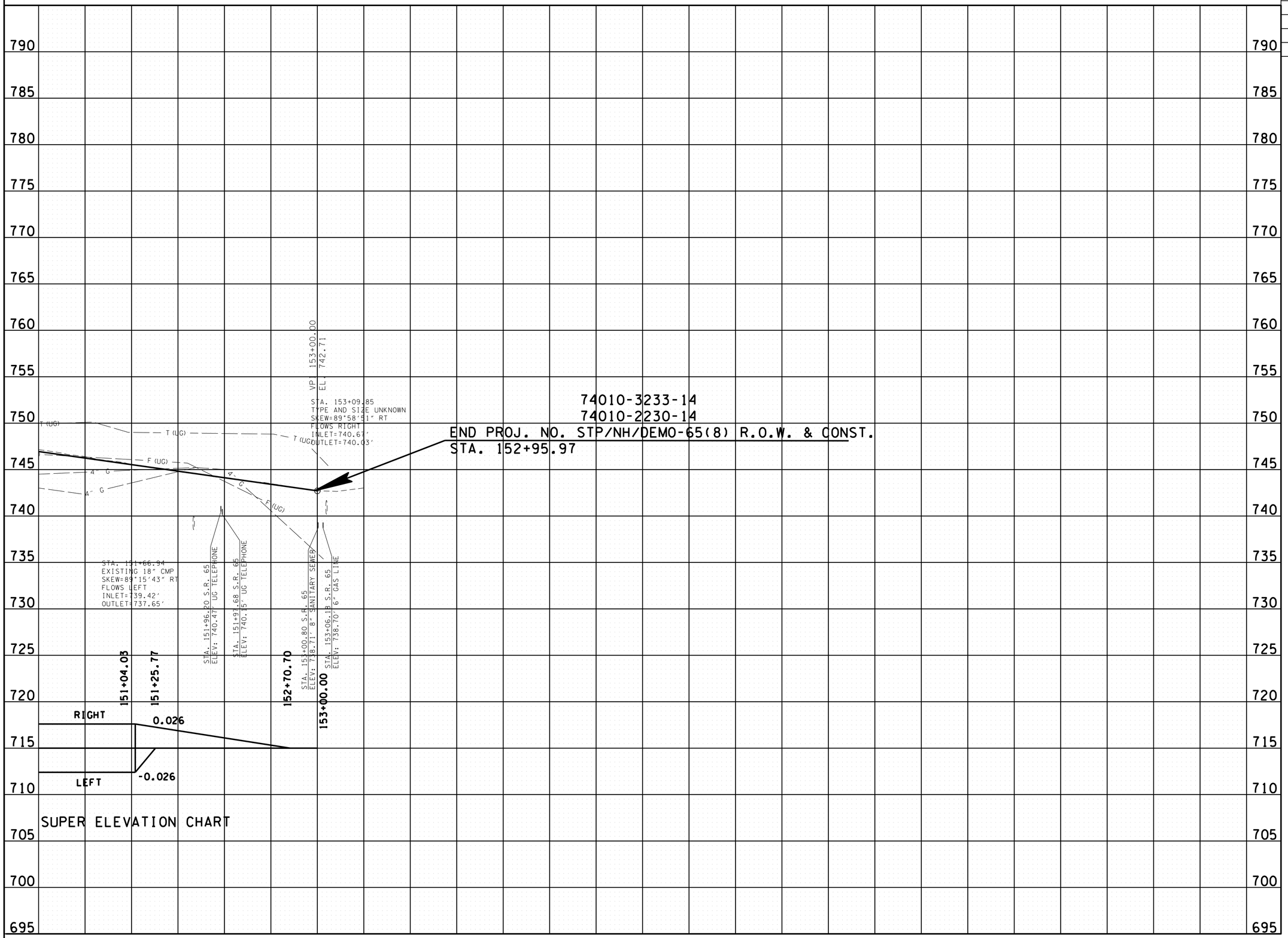
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	14B
CONST	2015	STP/NH/DEMO-65(8)	14D



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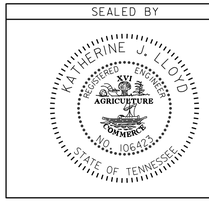

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 150+00 TO STA. 153+00

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

19-MAY-2015 09:50
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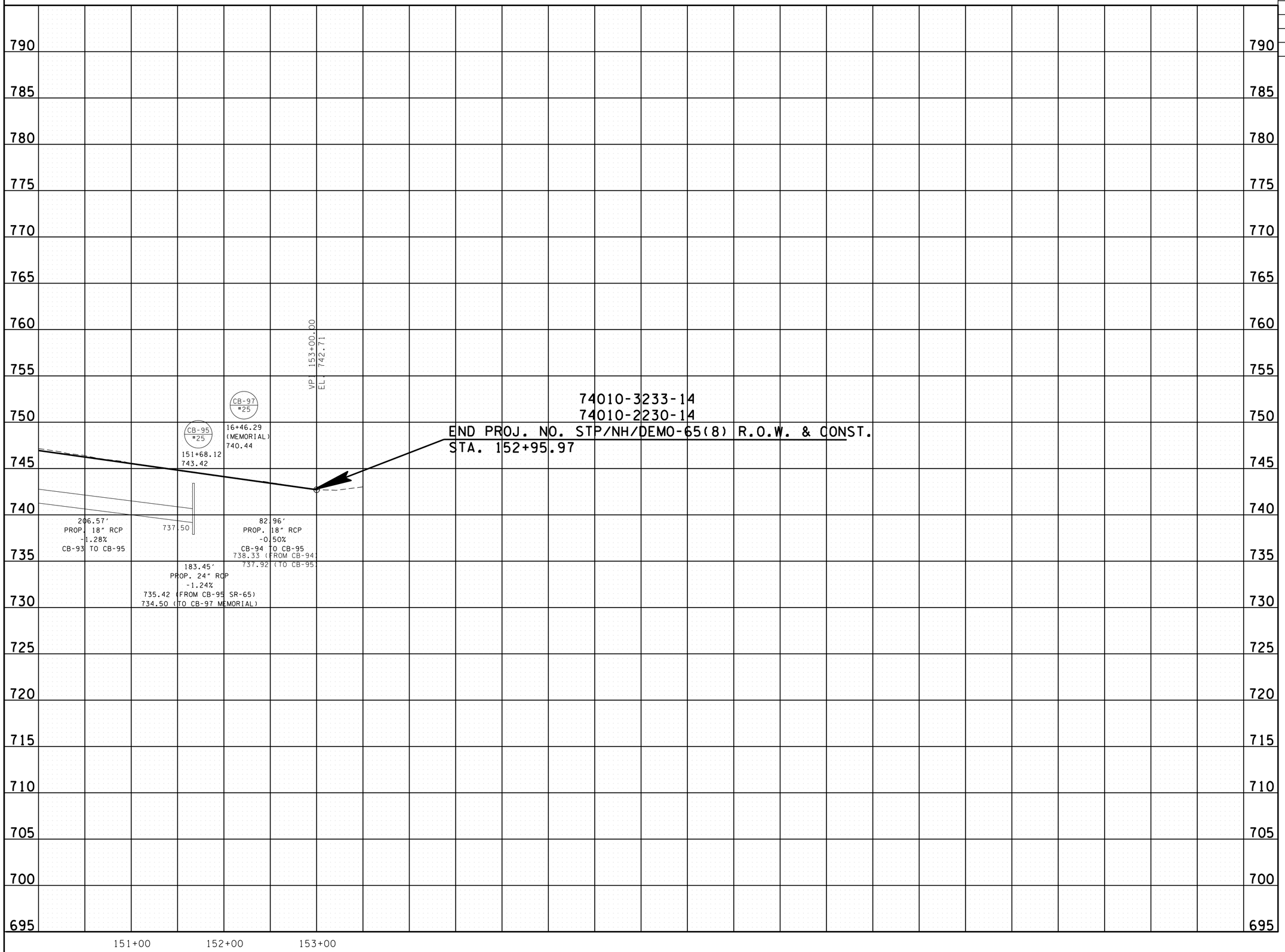
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	14E



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE LEFT

STA. 150+00 TO STA. 153+00

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

9-MAY-2015 09:50
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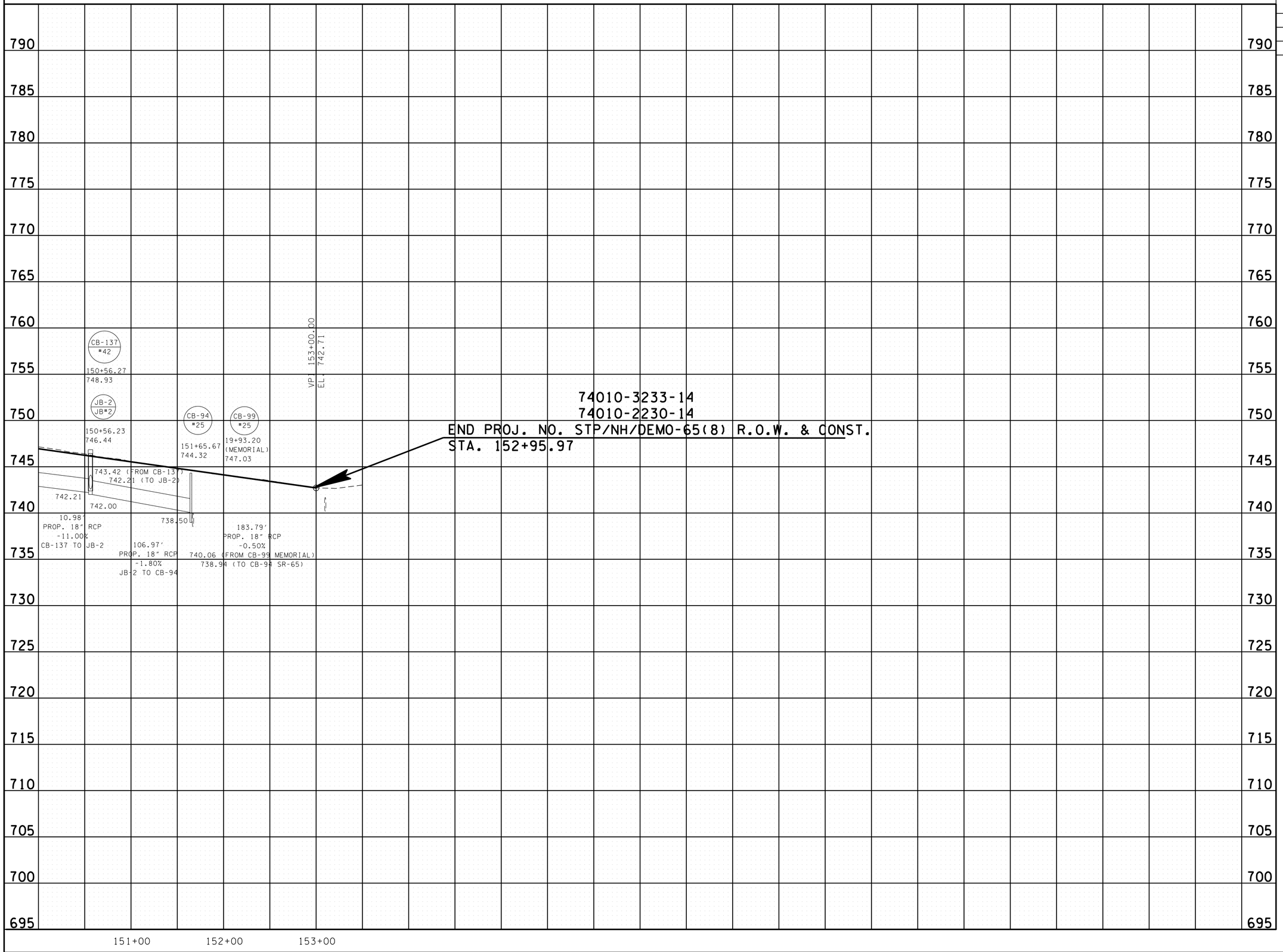
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	14F



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE DRAINAGE RIGHT

STA. 150+00 TO STA. 153+00

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

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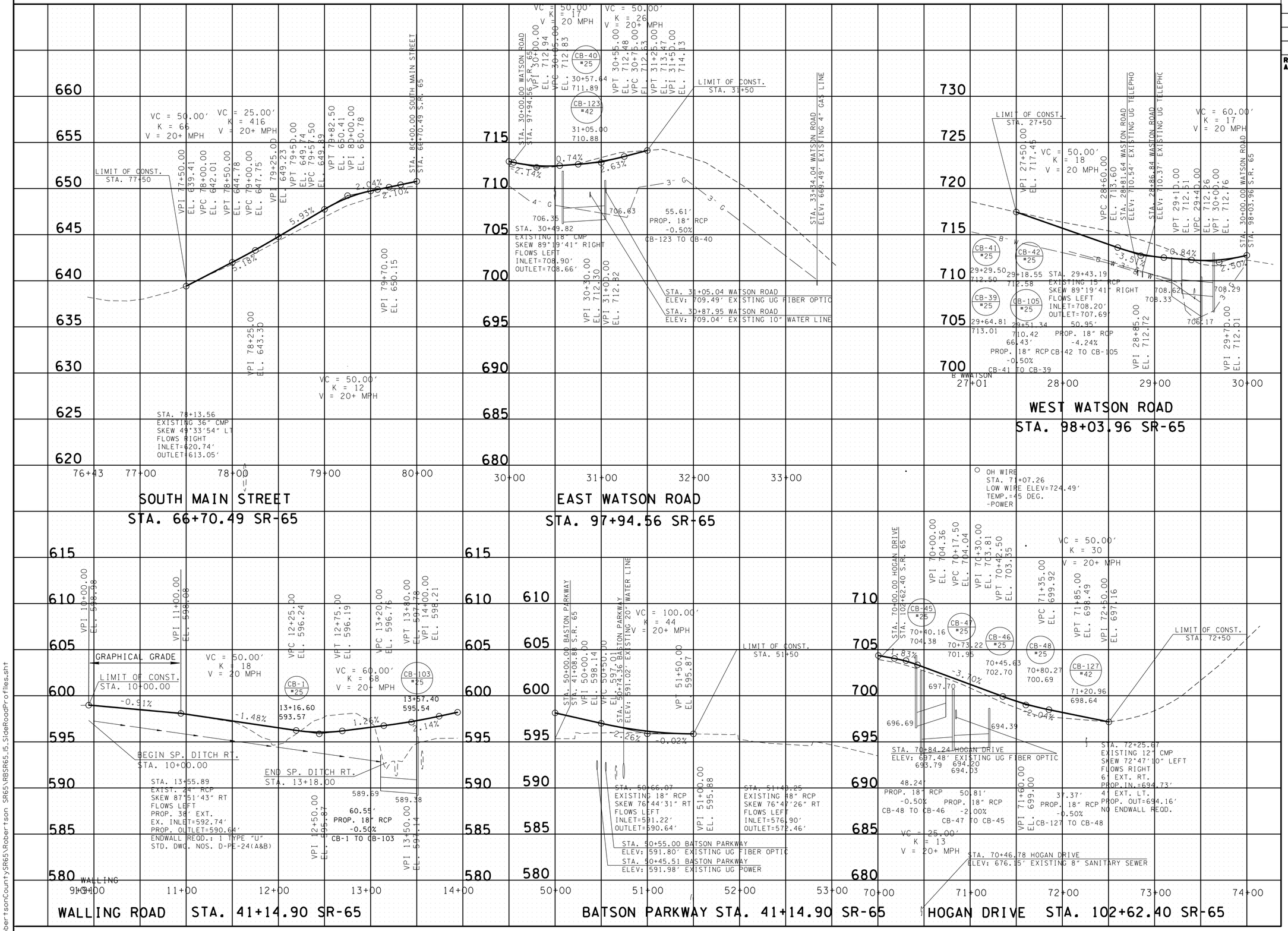
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	15
CONST	2015	STP/NH/DEMO-65(8)	15

REV. 05/19/15: REVISED VERTICAL ALIGNMENTS FOR ALL SIDE ROADS.



SEALED BY

KATHERINE J. LLOYD
REGISTERED ENGINEER
XV
AGRICULTURE
OF
COMMERCE
NO. 106423
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

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

19-MAY-2015 09:50
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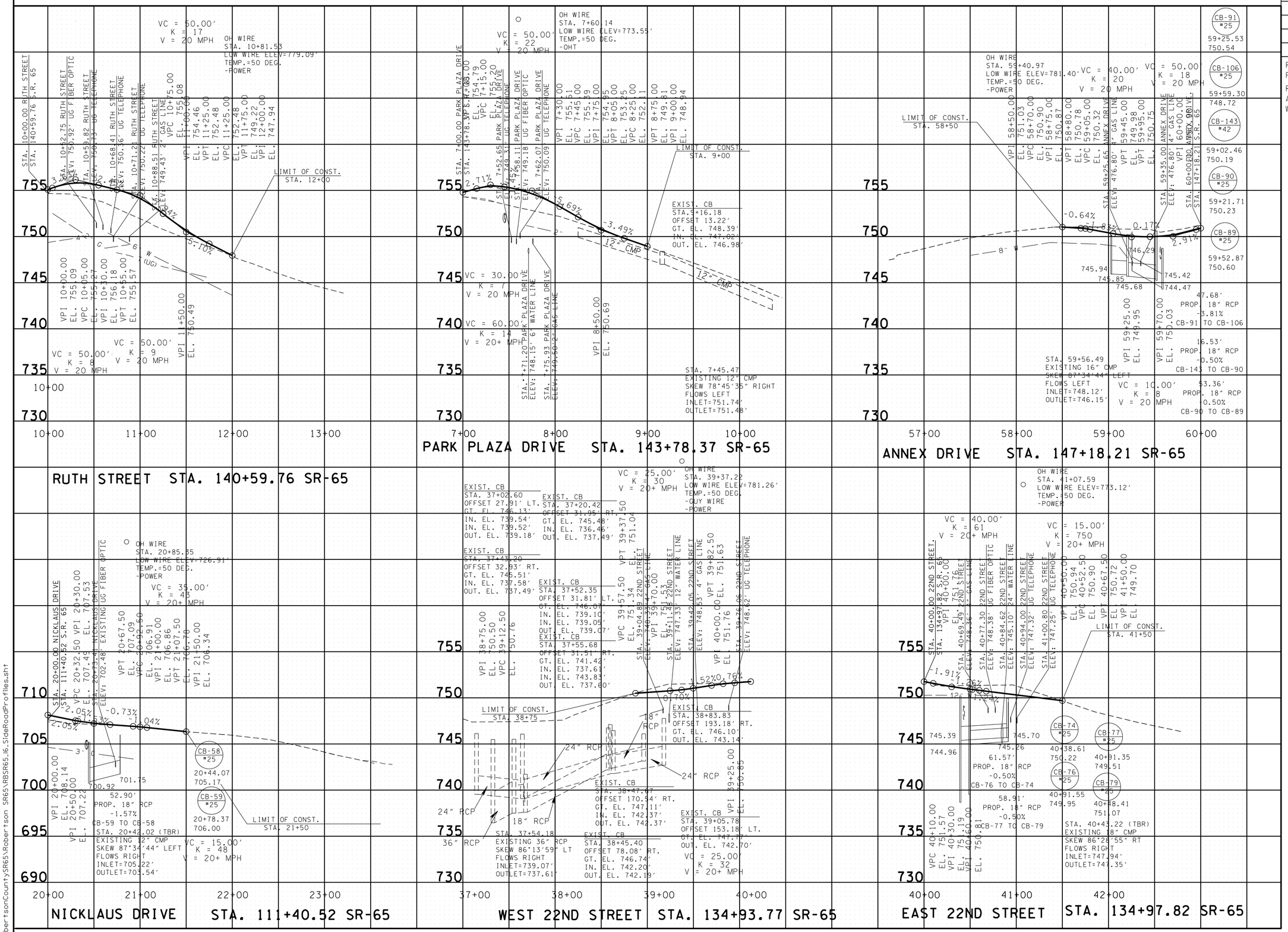
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	16
CONST	2015	STP/NH/DEMO-65(8)	16

REV. 08/10/10: REVISED ALIGNMENT FOR NICKLAUS DRIVE.

REV. 05/19/15: REVISED VERTICAL ALIGNMENT FOR ALL SIDE ROADS WITH EXCEPTION OF NICKLAUS DR.



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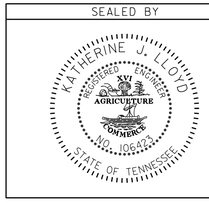

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

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

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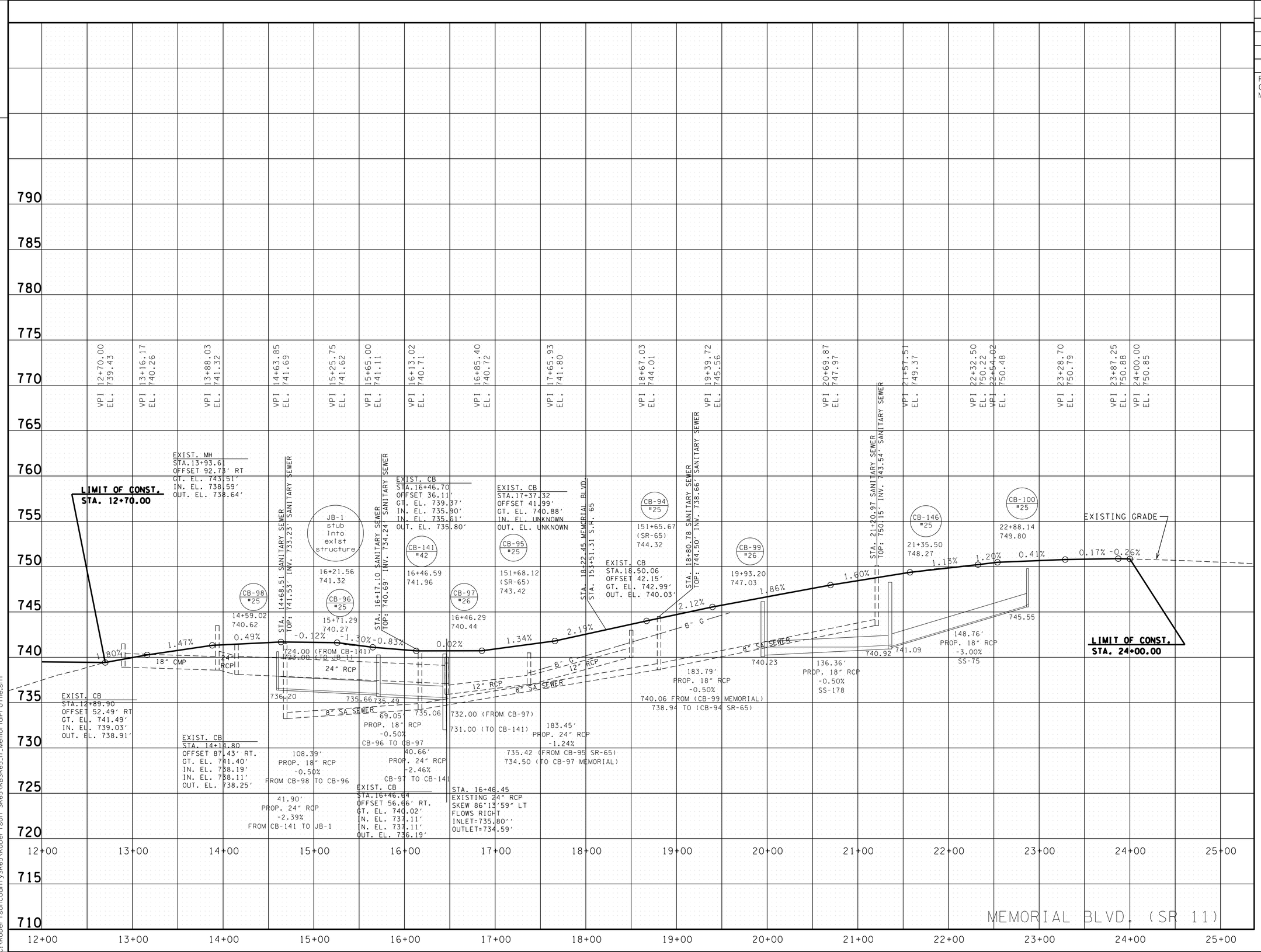
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	17
CONST	2015	STP/NH/DEMO-65(8)	17

REV. 04/06/11: REVISED PROP. GRADE TO A GRAPHICAL GRADE TO MATCH THE EXISTING GRADE.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

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

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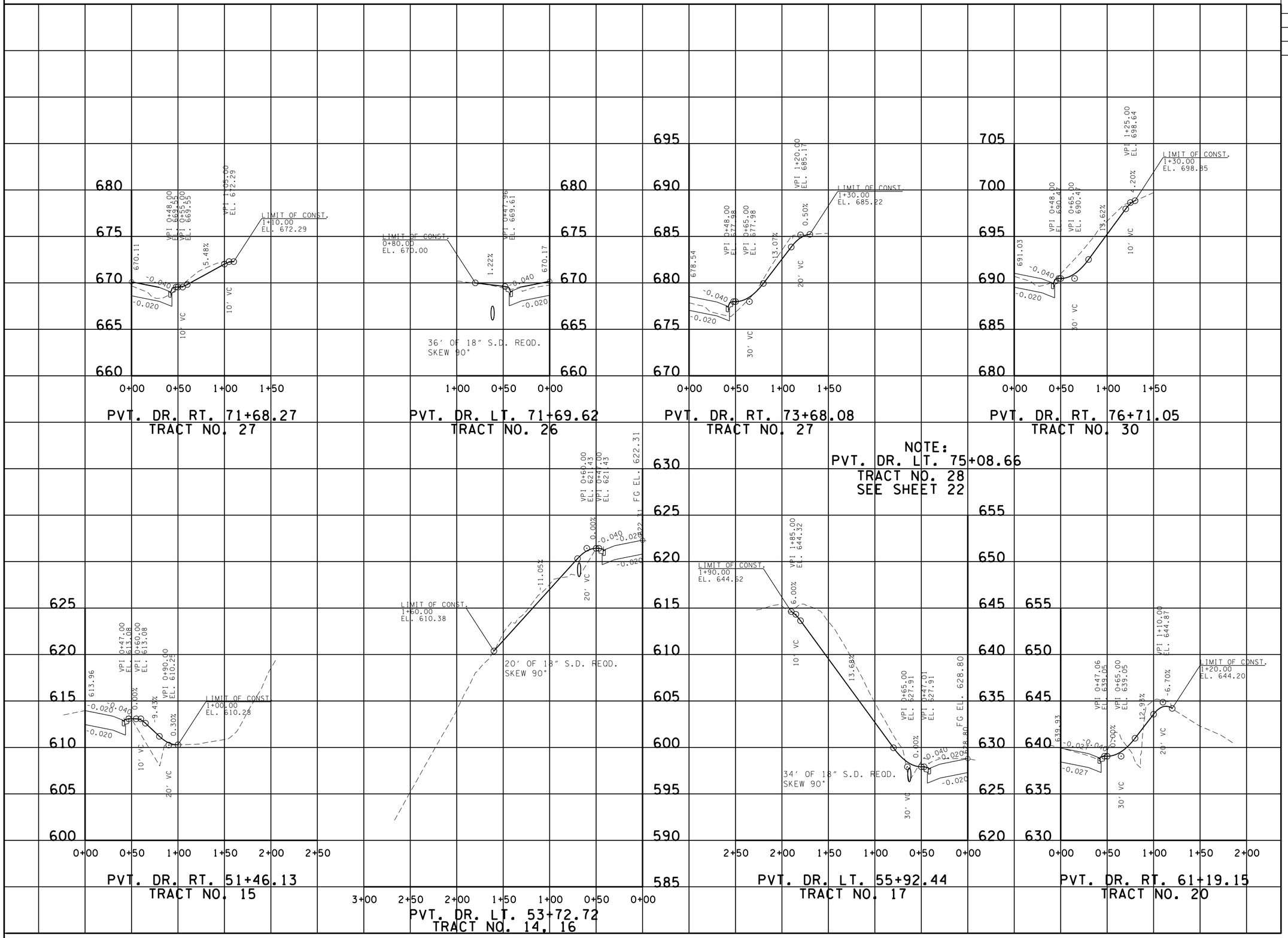
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	18
CONST	2015	STP/NH/DEMO-65(8)	18



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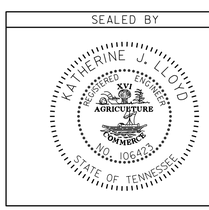

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF PRIVATE DRIVES

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

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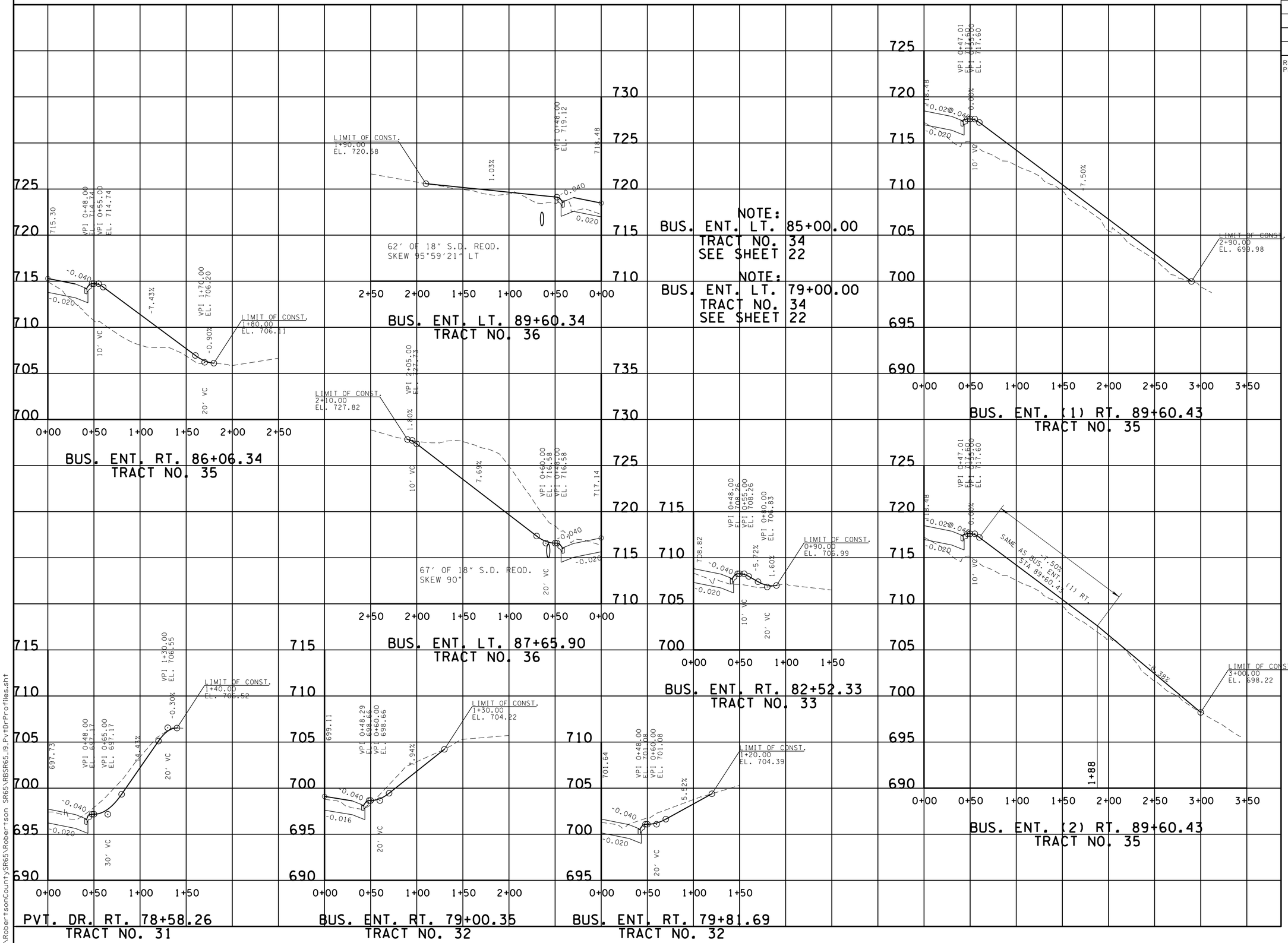
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	19
CONST	2015	STP/NH/DEMO-65(8)	19

REV. 01/15/15: REVISED 2 DRIVEWAY PROFILES ON TRACT 35 AT STA. 89+60.43.



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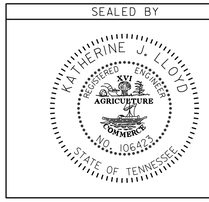

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF PRIVATE DRIVES

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

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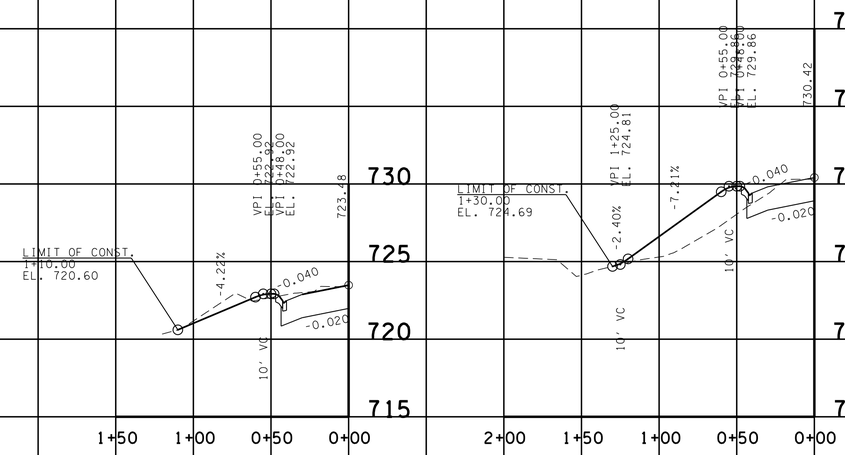
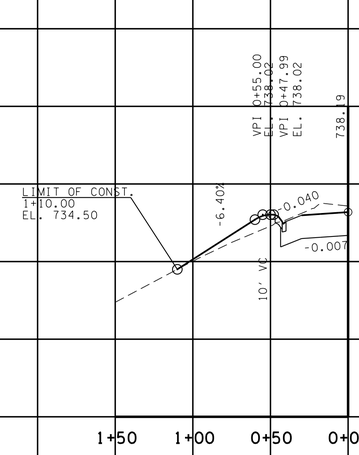
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	20
CONST	2015	STP/NH/DEMO-65(8)	20

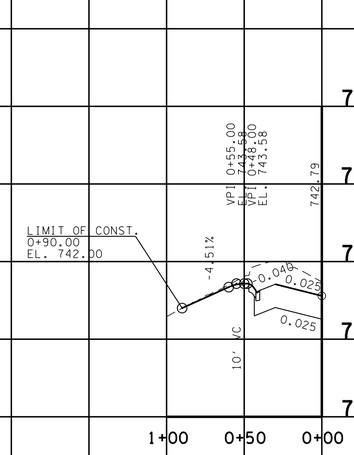


BUS. ENT. LT. 116+21.37
TRACT NO. 47

BUS. ENT. LT. 118+40.88
TRACT NO. 50

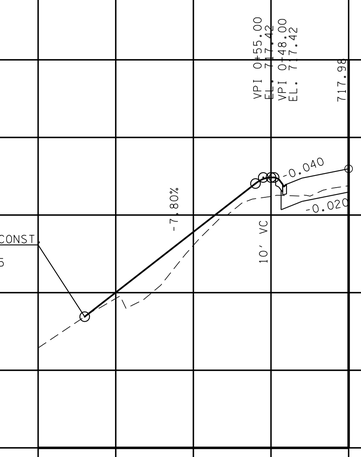


BUS. ENT. LT. 121+46.79
TRACT NO. 51

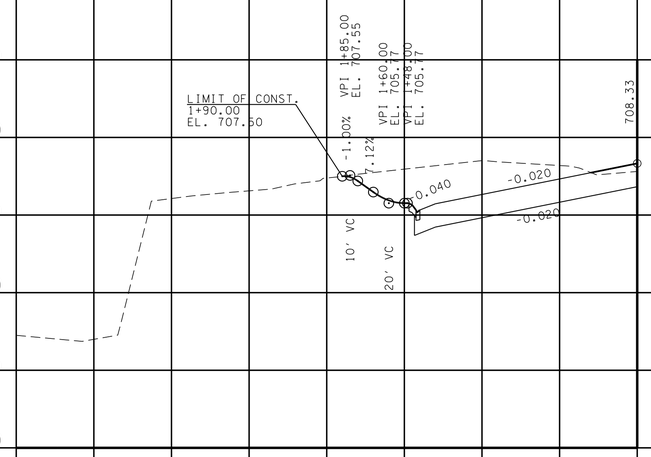


BUS. ENT. LT. 124+08.48
TRACT NO. 52

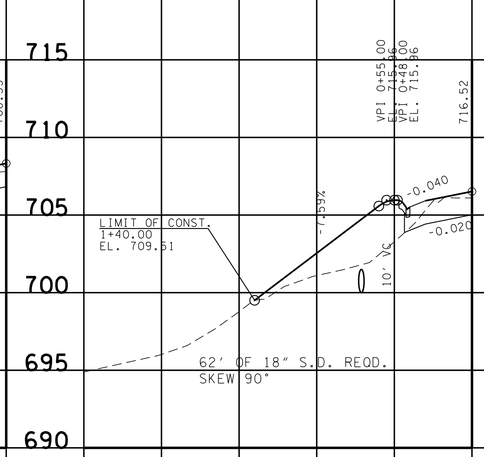
NOTE:
PVT. DR. RT. 109+15.00
TRACT NO. 43
SEE SHEET 22



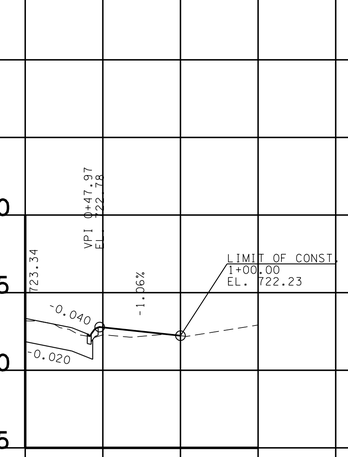
BUS. ENT. LT. 93+80.45
TRACT NO. 38



BUS. ENT. LT. 111+46.94
TRACT NO. 40
(WAL MART)



BUS. ENT. LT. 114+04.55
TRACT NO. 46



BUS. ENT. RT. 116+17.04
TRACT NO. 49

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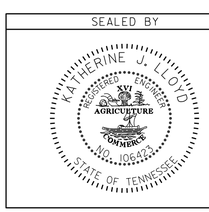

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF PRIVATE DRIVES

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

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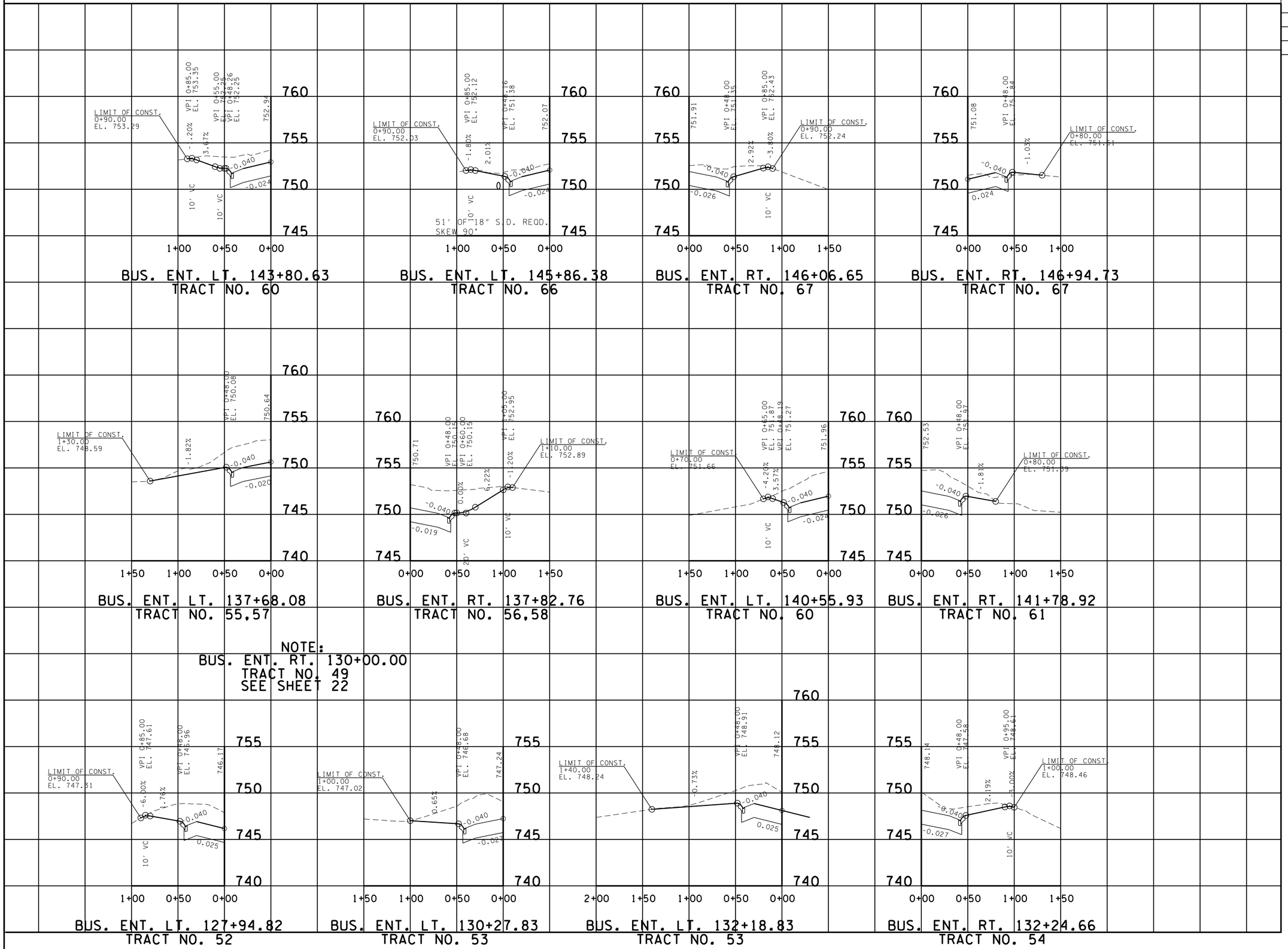
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	21
CONST	2015	STP/NH/DEMO-65(8)	21



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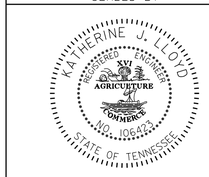

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF PRIVATE DRIVES

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

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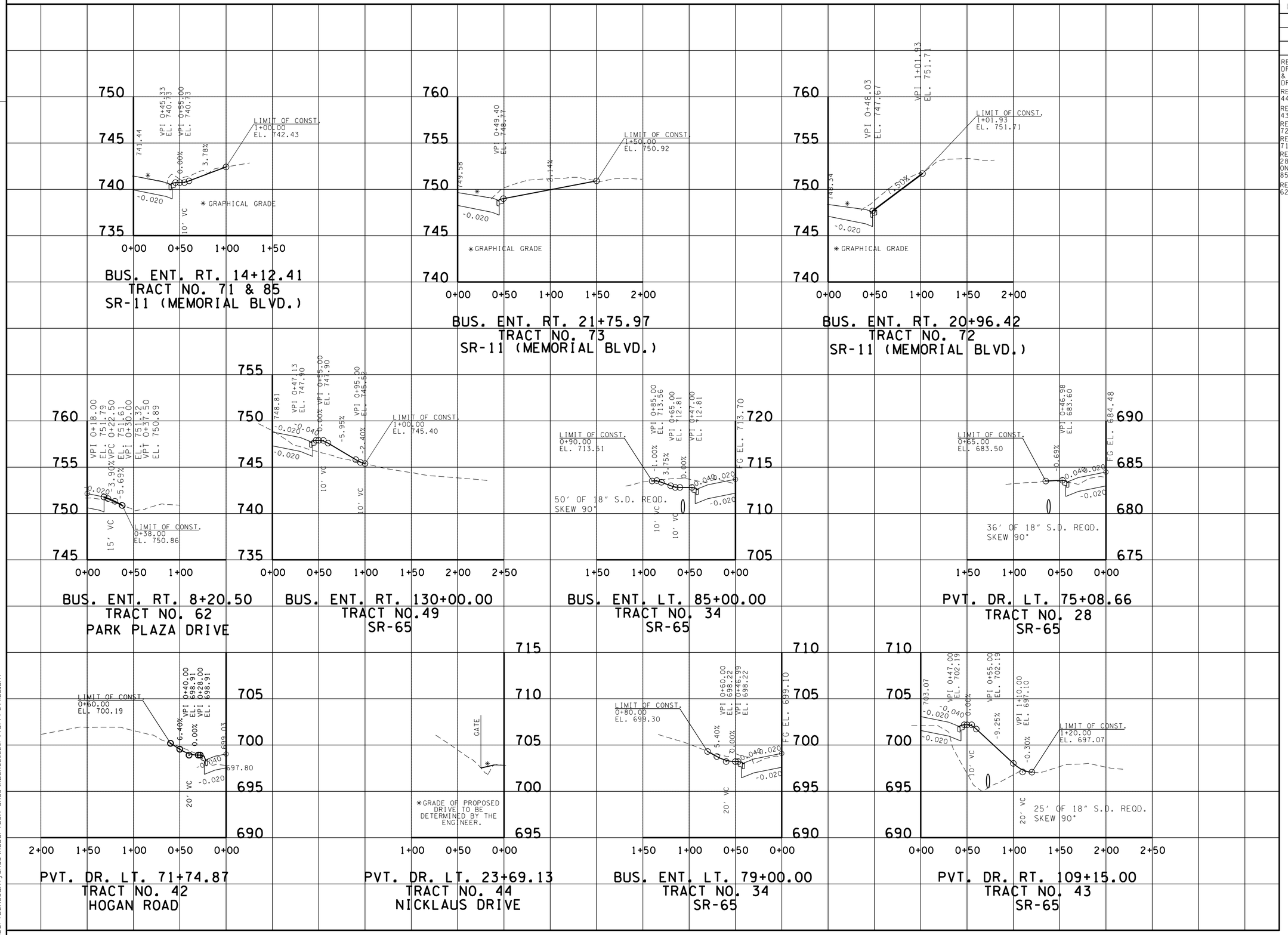
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	22
CONST	2015	STP/NH/DEMO-65(8)	22

REV. 06/09/10: DELETED TRACT 71 DRIVEWAYS, STA. 15+11.73, STA.15+83.56 & STA. 14+02.52. ADDED TRACT 71 DRIVEWAY STA. 14+12.41.
REV. 08/10/10: ADDED DRIVEWAY ON TRACT 44.
REV. 09/29/10: ADDED DRIVEWAY ON TRACT 43.
REV. 11/16/10: REVISED DRIVEWAY ON TRACT 72.
REV. 04/06/11: REVISED DRIVEWAY ON TRACT 71, 72, 73, & 85.
REV. 01/15/15: ADDED DRIVEWAY ON TRACT 28 AT STA.75+08.66. ADDED 2 DRIVEWAYS ON TRACT 34 AT STA. 79+00.00 & STA. 85+00.00.
REV. 05/19/15: ADDED DRIVEWAY ON TRACT 62 ON PARK PLAZA DRIVE.



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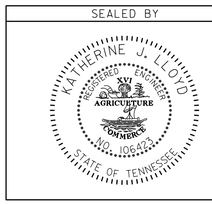

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF PRIVATE DRIVES

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

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	23
CONST	2015	STP/NH/DEMO-65(8)	23

DRAINAGE DATA FOR PIPE
STATION 31+91.64 S.R. 65

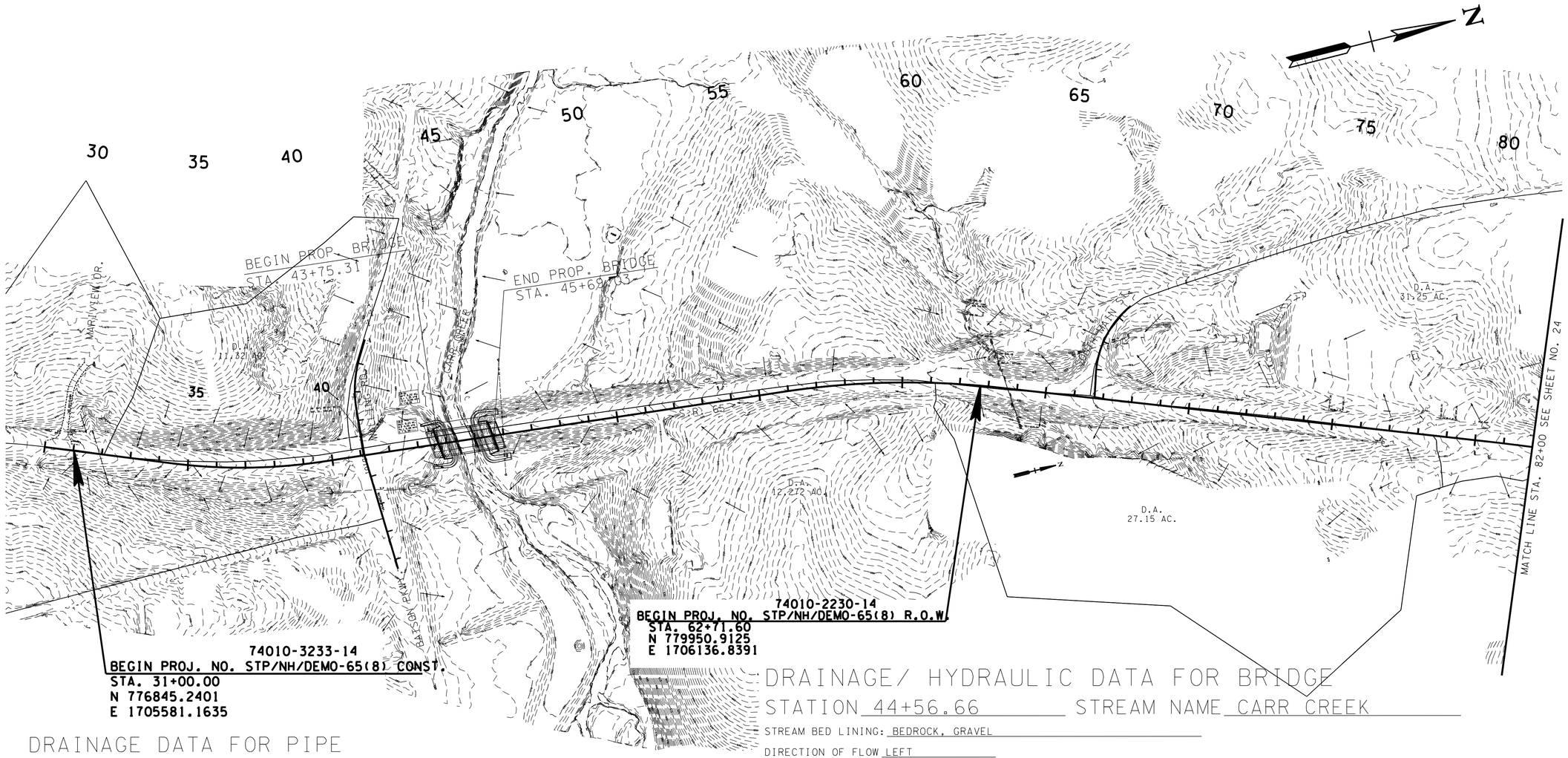
DIRECTION OF FLOW RIGHT
DRAINAGE AREA 22.96 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 18" R.C.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR PIPE
STATION 18+13.56 WALLING RD

DIRECTION OF FLOW LEFT
DRAINAGE AREA 11.32 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 24" R.C.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR PIPE
STATION 18+13.56 S. MAIN ST.

DIRECTION OF FLOW RIGHT
DRAINAGE AREA 31.25 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 36" C.M.P.
EXISTING STRUCTURE CONDITION:
REMARKS:



DRAINAGE DATA FOR PIPE
STATION 51+48.25 BASTON PKWY

DIRECTION OF FLOW LEFT
DRAINAGE AREA 33.15 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 48" R.C.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR PIPE
STATION 63+66.88 S.R. 65

DIRECTION OF FLOW LEFT
DRAINAGE AREA 27.15 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 48" CMP
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE/ HYDRAULIC DATA FOR BRIDGE
STATION 44+56.66 STREAM NAME CARR CREEK

STREAM BED LINING: BEDROCK, GRAVEL
DIRECTION OF FLOW LEFT
DRAINAGE AREA 12272 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: SPAN HEIGHT STRUCTURE SUPERSTRUCTURE
BEGIN STATION-OFFSET 43+42.14 END STATION-OFFSET 45+85.09
LOW BEAM ELEV. 587.97 LOCATION.
INLET INVERT ELEV. OUTLET INVERT.
NORMAL WATER ELEV. 555.14 EXTREME HIGHWATER ELEV. 56303 DATE. 2-27-04
HOW OBTAINED. TOPO & VISUAL OBSERVATION
BACKWATER FROM WHAT STREAM (IF APPLICABLE):
EXISTING STRUCTURE CONDITION: EXCELLENT
SEE STREAM CROSS-SECTIONS FOR VEGETATIVE COVER, SEE PRESENT LAYOUT (LEVEL 40) FOR STREAM ALIGNMENT AND CROSS-SECTION LOCATIONS.
SEE CENTERLINE PROFILE OR FIELD BOOK FOR EXISTING BRIDGE OPENING SKETCHES.
REMARKS:

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 30+00 TO STA. 82+00
SCALE: 1"=200'

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

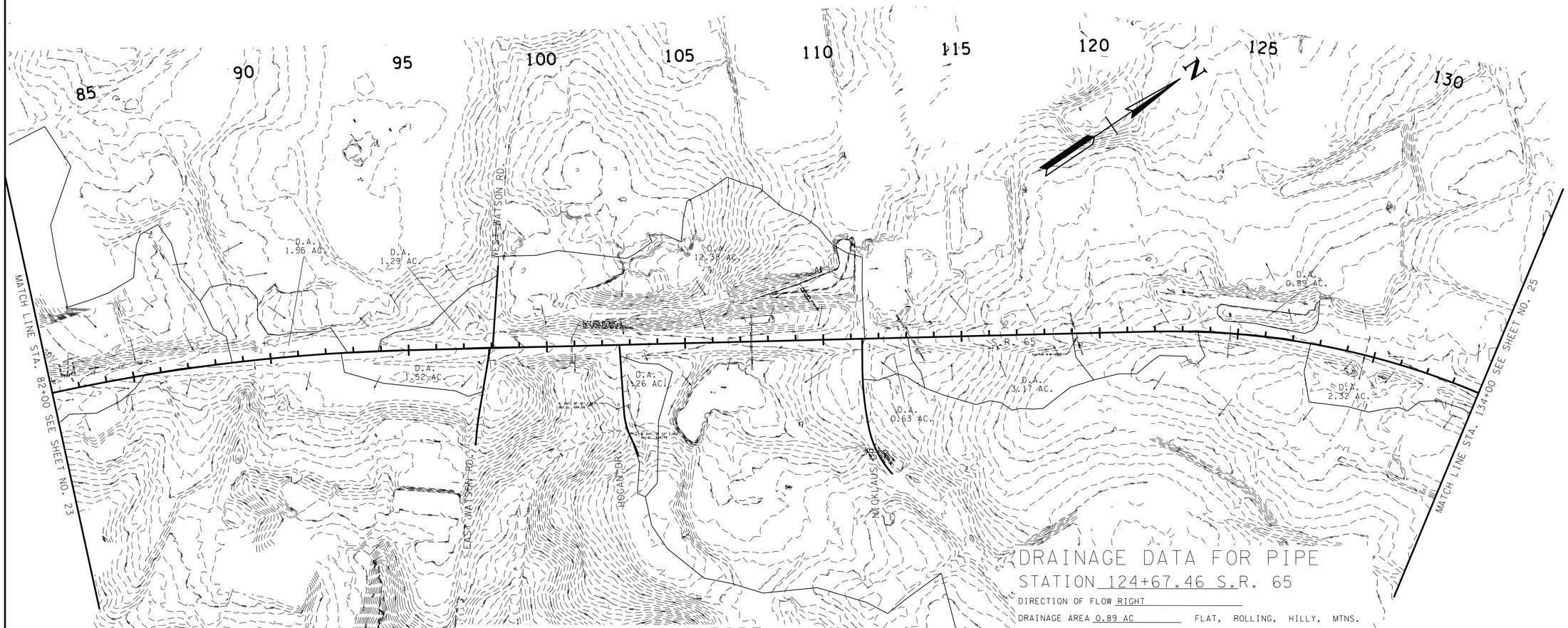
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	24
CONST	2015	STP/NH/DEMO-65(8)	24

DRAINAGE DATA FOR PIPE
STATION 89+43.21 S.R. 65
DIRECTION OF FLOW RIGHT
DRAINAGE AREA 1.55 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 18" R.C.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR PIPE
STATION 29+43.19 WATSON RD
DIRECTION OF FLOW LEFT
DRAINAGE AREA 1.29 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 15" R.C.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR PIPE
STATION 107+41.11 S.R. 65
DIRECTION OF FLOW RIGHT
DRAINAGE AREA 12.38 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 36" C.M.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR PIPE
STATION 20+42.02 NICKLAUS
DIRECTION OF FLOW RIGHT
DRAINAGE AREA 0.63 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 12" C.M.P.
EXISTING STRUCTURE CONDITION:
REMARKS:



DRAINAGE DATA FOR PIPE
STATION 124+67.46 S.R. 65
DIRECTION OF FLOW RIGHT
DRAINAGE AREA 0.89 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 18" R.C.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR PIPE
STATION 30+49.82 WATSON RD
DIRECTION OF FLOW LEFT
DRAINAGE AREA 1.52 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 18" C.M.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR PIPE
STATION 113+15.37 S.R. 65
DIRECTION OF FLOW LEFT
DRAINAGE AREA 3.17 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 24" R.C.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR PIPE
STATION 32+25.67 HOGAN DR
DIRECTION OF FLOW RIGHT
DRAINAGE AREA 1.26 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 12" C.M.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR PIPE
STATION 129+67.30 S.R. 65
DIRECTION OF FLOW LEFT
DRAINAGE AREA 2.32 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 18" R.C.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR PIPE
STATION 119+15.23 S.R. 65
DIRECTION OF FLOW RIGHT
DRAINAGE AREA 1.33 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 18" R.C.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 82+00 TO STA. 134+00
SCALE: 1"=200'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	25
CONST	2015	STP/NH/DEMO-65(8)	25

DRAINAGE DATA FOR PIPE
STATION 9+54.18 22ND STREET

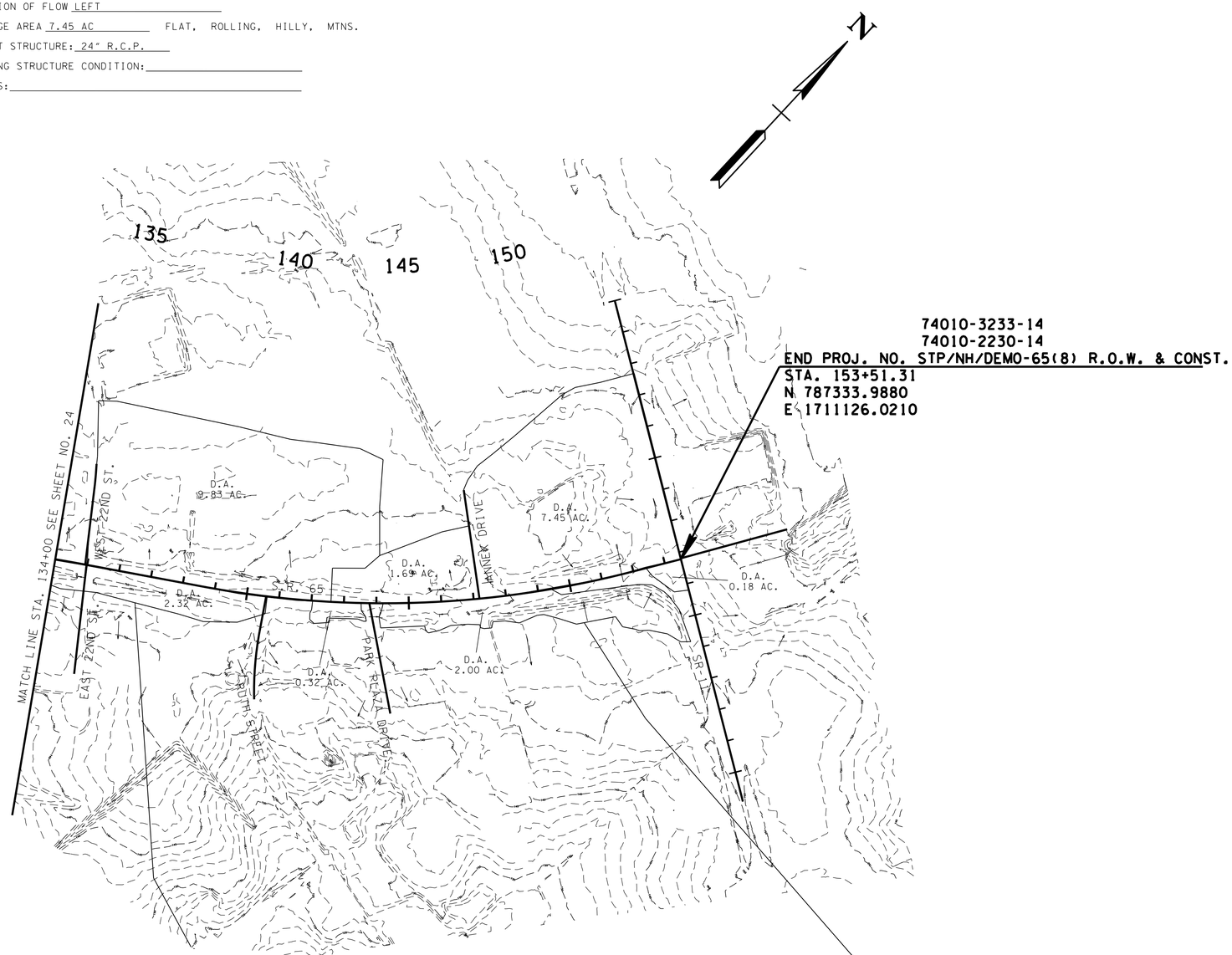
DIRECTION OF FLOW RIGHT
DRAINAGE AREA 9.83 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 36" R.C.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR PIPE
STATION 16+46.45 MEMORIAL

DIRECTION OF FLOW LEFT
DRAINAGE AREA 7.45 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 24" R.C.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR PIPE
STATION 49+56.49 ANNEX DRIVE

DIRECTION OF FLOW RIGHT TO LEFT
DRAINAGE AREA 1.69 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 15" C.M.P.
EXISTING STRUCTURE CONDITION:
REMARKS:



DRAINAGE DATA FOR PIPE
STATION 138+16.96 S.R. 65

DIRECTION OF FLOW LEFT
DRAINAGE AREA 2.32 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 18" R.C.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR PIPE
STATION 7+45.47 PARK PLAZA

DIRECTION OF FLOW RIGHT
DRAINAGE AREA 0.32 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 12" C.M.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR PIPE
STATION 151+66.94 S.R. 65

DIRECTION OF FLOW LEFT
DRAINAGE AREA 2.00 AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 18" R.C.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

DRAINAGE DATA FOR PIPE
STATION 151+66.94 S.R. 65

DIRECTION OF FLOW LEFT
DRAINAGE AREA 0.18AC FLAT, ROLLING, HILLY, MTNS.
PRESENT STRUCTURE: 12" C.M.P.
EXISTING STRUCTURE CONDITION:
REMARKS:

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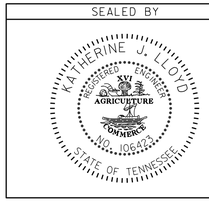

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 134+00 TO END PROJ.
SCALE: 1"=200'

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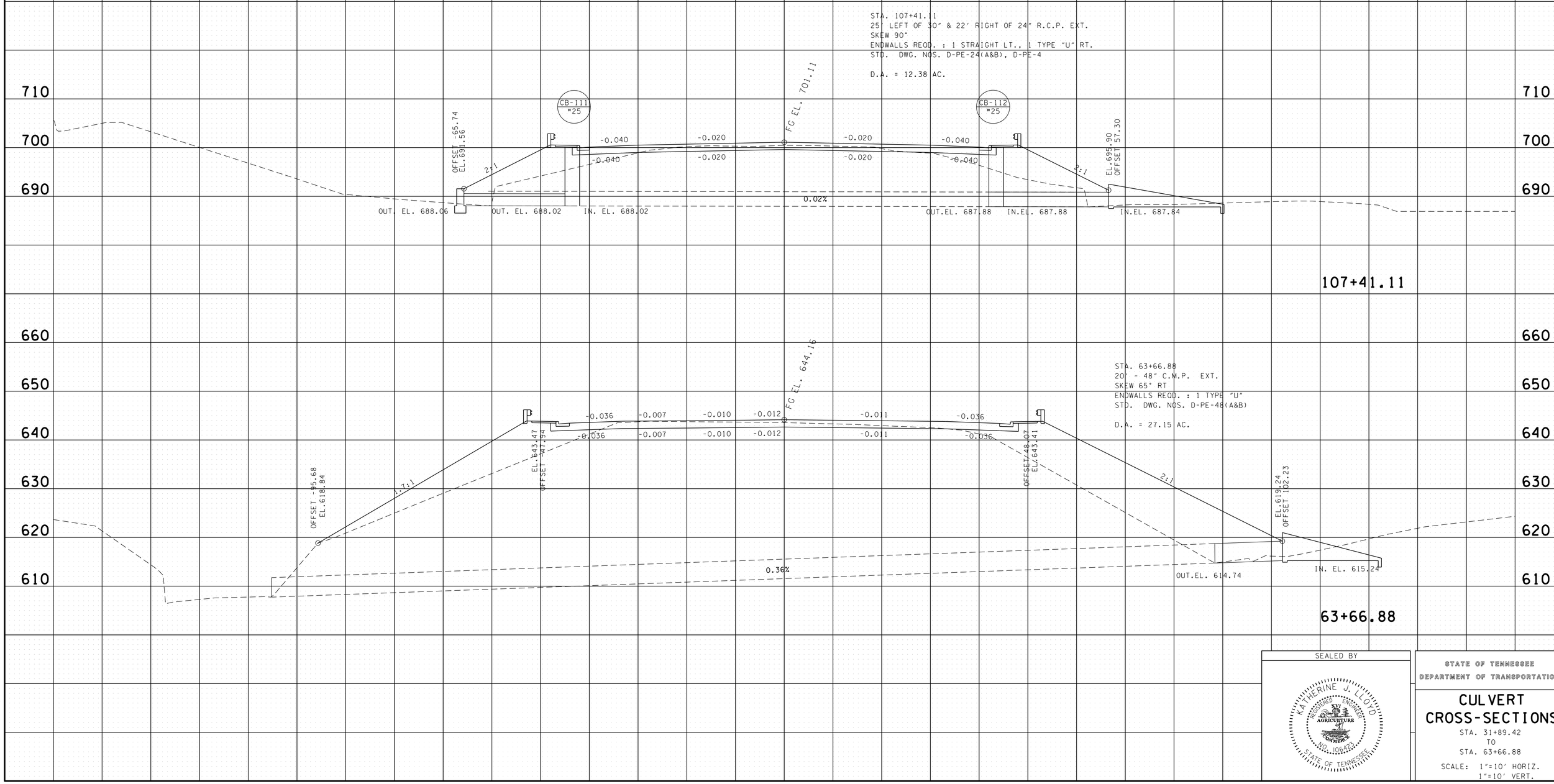
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	26
CONST	2015	STP/NH/DEMO-65(8)	26



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KATHERINE J. LLOYD
REGISTERED ENGINEER
AGRICULTURE & COMMERCE
NO. 106422
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

STA. 31+89.42
TO
STA. 63+66.88

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

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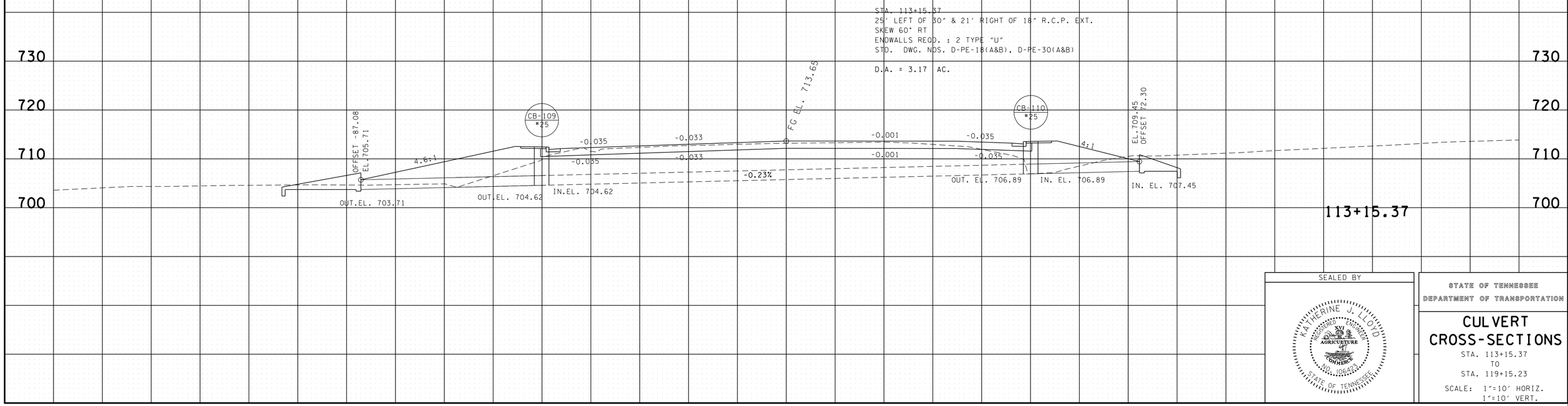
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	28
CONST	2015	STP/NH/DEMO-65(8)	27



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CULVERT CROSS-SECTIONS

STA. 113+15.37
TO
STA. 119+15.23

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

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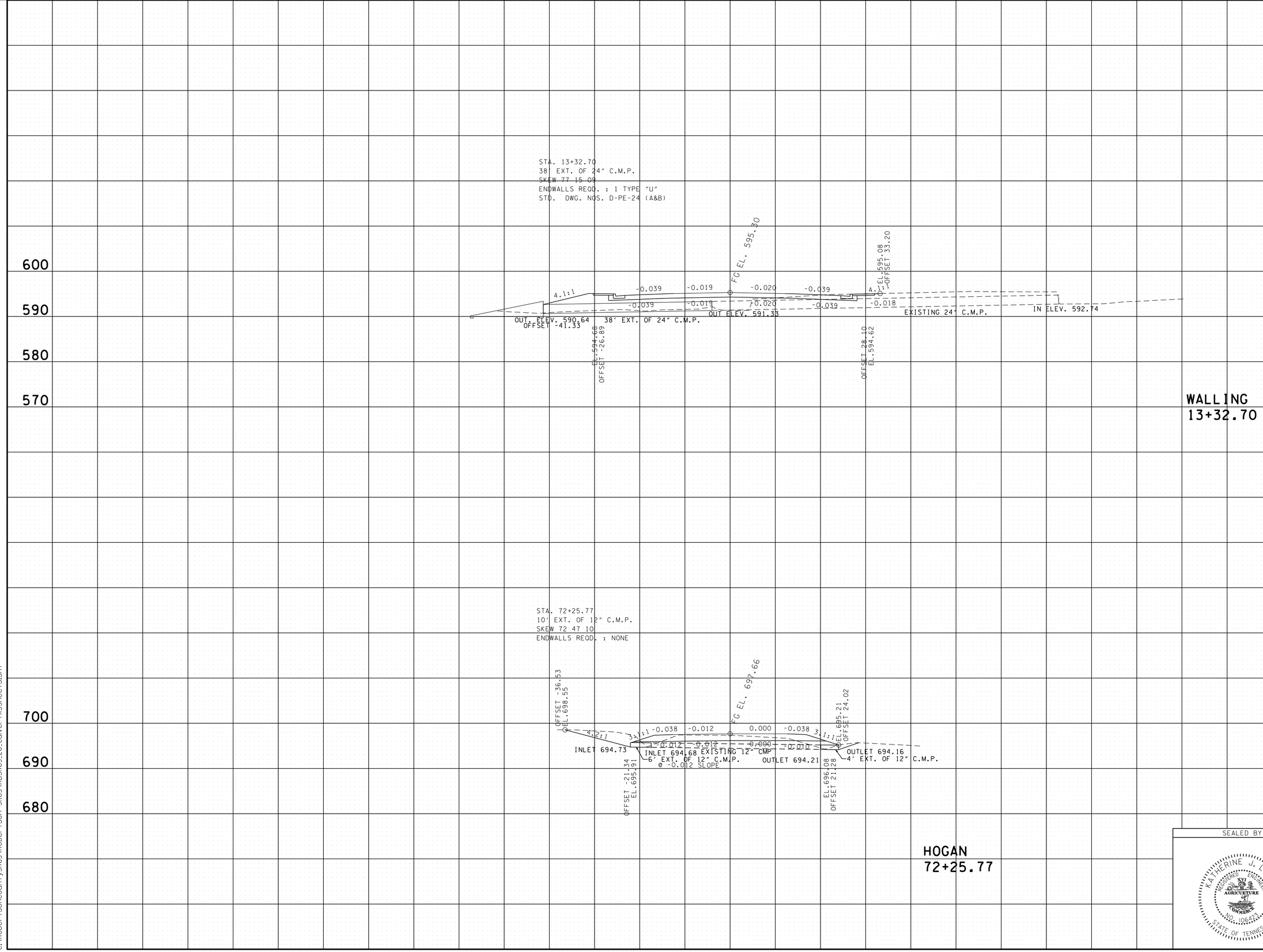
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	29
CONST	2015	STP/NH/DEMO-65(8)	28



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

STA. 124+67.46
TO
STA. 129+67.30

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	31

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

STREAM/WETLAND

(1) ANY WORK WITHIN THE STREAM CHANNEL AREA (E.G., FOR PIER FOOTING, RIP-RAP PLACEMENT, MULTI-BARREL CULVERT/BRIDGE CONSTRUCTION, ETC.) SHALL BE SEPARATED FROM FLOWING WATER OR EXPECTED FLOW PATH AND PERFORMED DURING LOW FLOW CONDITIONS. ALL ITEMS USED WITHIN THE STREAM CHANNEL AREA FOR DIVERSION OF FLOW (OR EXPECTED FLOW), UNLESS SPECIFIED IN THE PLANS, SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE COST OF OTHER ITEMS. THIS NOTE EXCLUDES ANY ITEMS SPECIFIED IN THE PLANS FOR THE TEMPORARY DIVERSION CHANNELS, EC-STR-31 AND TEMPORARY DIVERSION CULVERTS, EC-STR-32 FOR SINGLE BARREL CULVERT CONSTRUCTION.

(2) A 30 FOOT NATURAL RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STREAM SHALL BE PRESERVED, TO THE MAXIMUM EXTENT PRACTICABLE, DURING CONSTRUCTION ACTIVITIES AT THE SITE. BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA. THE 30 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 15 FEET AT ANY MEASURED LOCATION. EVERY ATTEMPT SHALL BE MADE FOR CONSTRUCTION ACTIVITIES NOT TO TAKE PLACE WITHIN THE BUFFER ZONES. BEST MANAGEMENT PRACTICES (BMPS) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN ZONE MAY BE USED. A JUSTIFICATION FOR USE AND DESIGN EQUIVALENCY SHALL BE DOCUMENTED WITHIN THE SWPPP. THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS SHALL REVIEW AND APPROVE THIS REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE SITE PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CONSTRUCTION GENERAL PERMIT. WHERE ISSUED, ARAP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

KNOWN EXCEPTIONAL TENNESSEE WATERS

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

(4) FOR PROJECTS THAT DISCHARGE INTO KNOWN EXCEPTIONAL TENNESSEE WATERS OR WATERS IMPAIRED BY SILTATION, A 60 FOOT NATURAL RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STREAM WITH THIS DESIGNATION SHALL BE PRESERVED, TO THE MAXIMUM EXTENT PRACTICABLE, DURING CONSTRUCTION ACTIVITIES AT THE SITE. BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA. THE 60 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 30 FEET AT ANY MEASURED LOCATION. EVERY ATTEMPT SHALL BE MADE FOR CONSTRUCTION ACTIVITIES NOT TO TAKE PLACE WITHIN THE BUFFER ZONES. BEST MANAGEMENT PRACTICES (BMPS) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN ZONE MAY BE USED. A JUSTIFICATION FOR USE AND DESIGN EQUIVALENCY SHALL BE DOCUMENTED WITHIN THE SWPPP. THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS SHALL REVIEW AND APPROVE THIS REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE SITE PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CONSTRUCTION GENERAL PERMIT. WHERE ISSUED, ARAP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

NPDES

(5) NO WORK SHALL BE STARTED UNTIL THE CONTRACTOR'S PLAN FOR THE STAGING OF THEIR OPERATIONS, INCLUDING THE PLAN FOR STAGING OF TEMPORARY AND PERMANENT EPSC MEASURES, HAS BEEN ACCEPTED BY THE ENGINEER. THE CONTRACTOR'S EPSC PLAN SHALL INCORPORATE AND SUPPLEMENT, AS ACCEPTABLE, THE BASIC EPSC DEVICES ON THE EPSC PLAN CONTAINED IN THE APPROVED SWPPP.

(6) THE EPSC MEASURES AND/OR PLAN SHALL BE MODIFIED AS NECESSARY SO THAT THEY ARE EFFECTIVE AT ALL TIMES THROUGHOUT THE COURSE OF THE PROJECT.

(7) THE ACCEPTED EPSC PLAN SHALL REQUIRE THAT EPSC MEASURES BE IN PLACE BEFORE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING OCCURS, EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES, INCLUDING WITHOUT LIMITATION AS FOLLOWS:

A. INITIAL CLEARING AND GRUBBING SHALL BE LIMITED TO THAT NECESSARY FOR THE INSTALLATION OF APPLICABLE EPSC MEASURES IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

B. NO OTHER CLEARING AND GRUBBING OPERATIONS SHALL BE STARTED BEFORE APPLICABLE EPSC MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

C. NO CULVERT OR BRIDGE CONSTRUCTION SHALL BE STARTED BEFORE APPLICABLE EPSC MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

D. NO GRADING, EXCAVATION, CUTTING, FILLING, OR OTHER EARTHWORK SHALL BE STARTED BEFORE EPSC MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

(8) PERMANENT EPSC MEASURES SHALL BE INITIATED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OF ANY SEQUENCE OR PHASE. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OR WHEN CONSTRUCTION ACTIVITIES ON A PORTION OF THE SITE ARE TEMPORARILY CEASED AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME UNTIL AFTER 14 CALENDAR DAYS. PERMANENT STABILIZATION WITH PERENNIAL VEGETATION OR OTHER PERMANENTLY STABLE NON-ERODING SURFACE SHALL REPLACE ANY TEMPORARY MEASURES AS SOON AS PRACTICABLE. UNPACKED GRAVEL CONTAINING FINES (SILT AND CLAY SIZED PARTICLES) OR CRUSHER-RUN WILL NOT BE CONSIDERED A NON-ERODIBLE SURFACE.

(9) STEEP SLOPES (A NATURAL OR CREATED SLOPE OF 35% GRADE (2.8H:1V) OR GREATER REGARDLESS OF HEIGHT) SHALL BE TEMPORARILY STABILIZED NO LATER THAN 7 CALENDAR DAYS AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED.

(10) FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION SUPPORT ACTIVITIES; TDOT PROJECTS ARE COVERED UNDER THE "WASTE AND BORROW" MANUAL PER THE SSWMP.

(11) EXCEPT AS OTHERWISE SPECIFIED, THERE ARE NO KNOWN SPECIAL ENVIRONMENTAL FACTORS PRESENT ON THIS PROJECT THAT INDICATE A NEED FOR SEASONAL LIMITATIONS ON THE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING OPERATIONS OR ON THE TOTAL AREA OF EXPOSED SOIL.

UTILITY RELOCATION

(12) RAIN WATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND MAINTAINED.

(13) SILT FENCE SHALL BE INSTALLED ON THE DOWNSTREAM SIDE OF STOCKPILED SOIL. TRENCHING ACROSS WET WEATHER CONVEYANCES SHALL BE DONE DURING NO FLOW CONDITIONS AND STABILIZED BY THE END OF THE WORK DAY

(14) UTILITY CROSSINGS FOR PERENNIAL STREAMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH TDOT STANDARDS AND NO WORK SHALL BE CONDUCTED IN FLOWING WATERS. TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) REGULATIONS APPLY TO UTILITIES IN THIS PROJECT IN REGARD TO EROSION PREVENTION AND SEDIMENT CONTROL (EPSC). THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE STORM WATER POLLUTION PREVENTION PLANS (SWPPP).

(15) IT IS THE RESPONSIBILITY OF THE STATE UTILITY CONTRACTOR INSTALLER TO PROTECT FROM EROSION EXPOSED EARTH RESULTING FROM THEIR OPERATIONS AND TO PROVIDE FOR CONTAINMENT OF SEDIMENT THAT MAY RESULT FROM THEIR WORK. PRIOR TO BEGINNING WORK, ADEQUATE MEASURES MUST BE IN PLACE TO TRAP ANY SEDIMENT THAT MAY TRAVEL OFF-SITE IN THE EVENT OF RAIN. DURING THE PROGRESSION OF THEIR WORK, EXPOSED EARTH AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EROSION. AT NO TIME SHALL EXPOSED EARTH RESULTING FROM THEIR OPERATIONS HAVE UNPROTECTED ACCESS TO FLOWING OFF-SITE AND ENTERING WATERS OF THE STATE/U.S.

(16) FOR THE INSTALLATION OF BURIED UTILITIES (PIPES AND CABLES), TRENCHES SHALL BE BACKFILLED DAILY AS CONSTRUCTION PROCEEDS. BACKFILLED TRENCHES SHALL BE SEEDED AND MULCHED OR SODDED DAILY IF POSSIBLE, BUT NO LATER THAN SEVEN DAYS AFTER BEING BACKFILLED. ANY TEMPORARY SPOIL OF EXCAVATED EARTH SHALL BE LOCATED WITHIN TDOT EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES OR RECEIVE SEPARATE EPSC MEASURES. IF TRENCHES ARE NOT BACKFILLED OVERNIGHT, APPROPRIATE EPSC MEASURES WILL BE INSTALLED BY THE STATE UTILITY CONTRACTOR UNTIL SUCH TIME AS THE TRENCH IS BACKFILLED.

(17) IN REGARD TO EROSION PREVENTION AND SEDIMENT CONTROL (EPSC), TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) REGULATIONS APPLY TO THE STATE UTILITY CONTRACTORS IN THIS PROJECT, THEREFORE, THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE STORM WATER POLLUTIONS PREVENTION PLANS (SWPPP). THE STATE CONTRACTOR IS RESPONSIBLE FOR EPSC MEASURES RELATED TO UTILITY CONSTRUCTION INCLUDED IN THE STATE CONTRACT WORK.

(18) TRENCHES FORMED FOR THE INSTALLATION OF BURIED UTILITIES MAY CAUSE STORM WATER RUNOFF TO CONCENTRATE AT THE TRENCH LINE. ADDITIONAL EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES MAY BE REQUIRED TO BE INSTALLED AS APPROVED BY THE TDOT PROJECT ENGINEER.

(19) FOR THE INSTALLATION OF UNDERGROUND UTILITIES OUTSIDE OF THE TDOT RIGHT-OF-WAY, EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) SHALL BE INSTALLED PRIOR TO CLEARING (TRENCHING AND ASSOCIATED BLASTING) IN THOSE AREAS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION AREA. THESE EPSC MEASURES SHALL REMAIN UNTIL THE BACKFILLED TRENCH IS STABILIZED WITH FINAL VEGETATIVE COVER.

(20) THE UTILITY CONTRACTOR SHALL RESTORE ALL AFFECTED WET WEATHER CONVEYANCES TO THE EXISTING TOPOGRAPHIC CONDITIONS (AS APPROVED BY THE TDOT PROJECT ENGINEER).

(21) THE UTILITY CONTRACTOR WILL PROVIDE APPROPRIATE EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES TO REPLACE IN-PLACE EPSC MEASURES REMOVED TO FACILITATE THE INSTALLATION OF UTILITIES. REPLACEMENT OF EPSC MEASURES WILL BE COORDINATED WITH THE TDOT PROJECT ENGINEER BEFORE COMMENCING WORK.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	35
CONST	2015	STP/NH/DEMO-65(8)	31A

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
	ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6A
	ENHANCED ROCK CHECK DAM (CHANNEL)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
A	CATCH BASIN PROTECTION (TYPE A)	EC-STR-19
D	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25 *
	TEMPORARY BERM	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27
	EROSION CONTROL BLANKET	EC-STR-34 *
TUBE TUBE	SEDIMENT TUBE	EC-STR-37 *
2	CURB INLET PROTECTION (TYPE 2)	EC-STR-39
1	CATCH BASIN FILTER ASSEMBLY (TYPE 1)	EC-STR-41
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47
8	CATCH BASIN FILTER ASSEMBLY (TYPE 8)	EC-STR-48
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1

* TO BE USED WHERE AND AS DIRECTED BY THE ENGINEER UNLESS SHOWN ON PLANS.

NOTE:

-THE PERIMETER MEASURES INSTALLED UNDER PHASE 1 ARE TO REMAIN IN PLACE UNTIL THEY ARE REPLACED BY OTHER EPSC MEASURES, OR THEY ARE NO LONGER REQUIRED.

-ALL SILT FENCE & SILT FENCE WITH BACKING TO BE INSTALLED ON CONTOUR OR HAVE J-HOOKS INSTALLED.

PHASING NOTES:

EPSC PHASE 1
-CLEARING & GRUBBING
-TO COINCIDE WITH TRAFFIC CONTROL PHASE 1.

EPSC PHASE 2
-SHOULDER WORK
-TO COINCIDE WITH TRAFFIC CONTROL PHASE 2.

EPSC PHASE 3
-WORK ON RIGHT SIDE OF ROADWAY.
-CB PROTECTION TO BE PLACED DURING CONSTRUCTION OF CB ON RIGHT SIDE.
-CB FILTER ASSEMBLY TO BE PLACED AFTER CONSTRUCTION OF CB ON RIGHT SIDE & BEFORE VEGITATION OR INLET INSTALLATION.
-INLET PROTECTION TO BE PLACED UPON COMPLETION OF CB ON RIGHT SIDE.
-TO COINCIDE WITH TRAFFIC CONTROL PHASE 3.

EPSC PHASE 4
-WORK ON LEFT SIDE OF ROADWAY.
-CB PROTECTION TO BE PLACED DURING CONSTRUCTION OF CB ON LEFT SIDE.
-CB FILTER ASSEMBLY TO BE PLACED AFTER CONSTRUCTION OF CB ON LEFT SIDE & BEFORE VEGETATION OR INLET INSTALLATION.
-INLET PROTECTION TO BE PLACED UPON COMPLETION OF CB ON LEFT SIDE.
-TO COINCIDE WITH TRAFFIC CONTROL PHASE 4.

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DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	31B

EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	2855
	209-02.07	TEMPORARY SLOPE DRAIN (18")	L.F.	1168
2	209-05	SEDIMENT REMOVAL	CY	2388
3	209-08.02	SILT FENCE WITH BACKING	LF	13150
	209-08.03	SILT FENCE WITHOUT BACKING	LF	30500
	209-08.07	ROCK CHECK DAM	EACH	69
	209-08.08	ENHANCED ROCK CHECK DAM	EACH	18
	209-09.03	SEDIMENT FILTER BAG (15" X 15")	EACH	2
4	209-09.41	CURB INLET PROTECTION (TYPE 2)	EACH	104
	209-40.30	CATCH BASIN PROTECTIONS (TYPE A)	EACH	4
	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	116
	209-40.41	CATCH BASIN FILTER ASSEMBLY (TYPE 1)	EACH	15
	209-40.42	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EACH	12
	209-40.46	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EACH	89
	209-40.47	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EACH	2
	209-40.48	CATCH BASIN FILTER ASSEMBLY (TYPE 8)	EACH	2
5	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	216
6	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	1030
7	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	102
8	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	740
9	709-05.08	MACHINED RIP-RAP (CLASS B)	TON	8
10	709-05.09	MACHINED RIP-RAP (CLASS C)	TON	15
11	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	SY	1357
	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	SY	3800
6	740-11.02	TEMPORARY SEDIMENT TUBE 12IN (EROSION CONTROL)	LF	500
12	740-11.04	TEMPORARY SEDIMENT TUBE 20IN (EROSION CONTROL)	LF	5467
	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	2282
13	801-02.08	TEMPORARY SEEDING (WITHOUT MULCH)	UNIT	50
14	801-03	WATER (SEEDING & SODDING)	MG	1507
	803-01	SODDING (NEW SOD)	SY	126786
15	805-12.01	EROSION CONTROL BLANKET (TYPE 1)	SY	5556

1. 58 CY TO BE USED ON TEMPORARY CONSTRUCTION EXIT. 126 CY TO BE USED ON TEMPORARY SLOPE DRAINS. 1276 CY TO BE USED ON CULVERT PROTECTION TYPE 1. 1395 CY TO BE USED ON EARTH BERM.
2. 1380 CY TO BE USED ON ROCK CHECK DAMS. 425 CY TO BE USED ON ENHANCED ROCK CHECK DAMS. 364 CY TO BE USED ON CULVERT PROTECTION TYPE 1. 5 CY TO BE USED ON CULVERT PROTECTION TYPE 2. 110 CY TO BE USED ON CATCH BASIN PROECTION. 104 CY TO BE USED ON CURB INLET PROTECTION.
3. QUANTITIY TAKES INTO ACCOUNT THE LIFE SPAN OF THE SILT FENCE & MULTIPLIED BY A FACTOR OF 2.
4. SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.
5. 87 TON TO BE USED ON TEMPORARY CONSTRUCTION EXIT. 75 TON TO BE USED ON CULVERT PROTECTION TYPE 1. 46 TONS TO BE USED ON SEDIMENT FILTER BAG. 8 TONS TO BE USED ON CULVERT PROTECTION TYPE 2.
6. TO BE USED WHERE AND AS DIRECTED BY THE ENGINEER, UNLESS SHOWN ON THE PLANS.
7. TO BE USED ON TEMPORARY CONSTRUCTION EXIT.
8. 519 TON TO BE USED ON CULVERT PROTECTION TYPE 1. 221 TON TO BE USED ON TEMPORARY SLOPE DRAINS.
9. TO BE USED AS OUTLET PROTECTION AT STA 107+41.11.
10. TO BE USED AS OUTLET PROTECTION AT STA 113+15.37.
11. 172 SY TO BE USED ON TEMPORARY CONSTUCTION EXIT. 1091 SY TO BE USED ON CULVERT PROTECTION TYPE 1. 80 SY TO BE USED ON SEDIMENT FILTER BAG. 14 SY TO BE USED ON CULVERT PROTECTION TYPE 2.
12. 25 LF TO BE USED FOR PERIMETER CONTROL ON CULVERT PROTECTION TYPE 2. 4442 LF TO BE USED FOR TEMPORARY BERM. 1000 LF TO BE USED WHERE AND AS DIRECTED BY THE ENGINEER.
13. TO BE USED WITH ITEM NO. 805-12.01.
14. INCLUDES 10 THOUSAND GALLONS FOR EROSION PREVENTION AND SEDIMENT CONTROL.
15. TO BE USED IF SOD IS NOT AVAILABLE WHEN SLOPE IS FINISHED. ESPECIALLY IN SENSITIVE AREAS.

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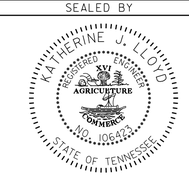

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	36
CONST	2015	STP/NH/DEMO-65(8)	32

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 1

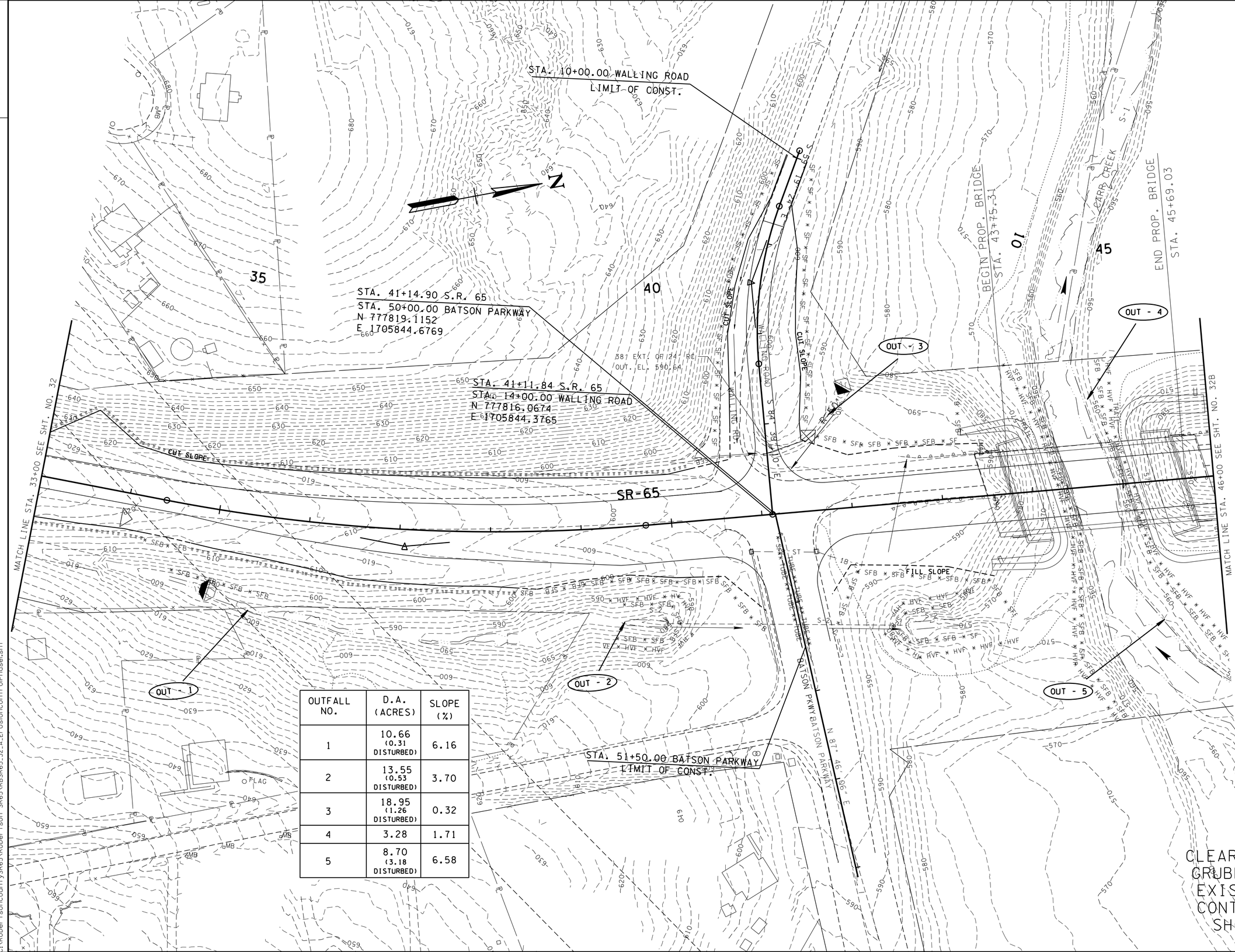
STA. 30+00 TO STA. 33+00
SCALE: 1:50

9-MAY-2015 09:52
c:\RobertsonCountySR65\Robertson SR65\RBSR65_32_ErosionControlPhase1.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	37
CONST	2015	STP/NH/DEMO-65(8)	32A



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
1	10.66 (0.31 DISTURBED)	6.16
2	13.55 (0.53 DISTURBED)	3.70
3	18.95 (1.26 DISTURBED)	0.32
4	3.28	1.71
5	8.70 (3.18 DISTURBED)	6.58

CLEARING & GRUBBING/ EXISTING CONTOURS SHOWN

SEALED BY

KATHERINE J. LLOYD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 106423
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 1

STA. 33+00 TO STA. 46+00

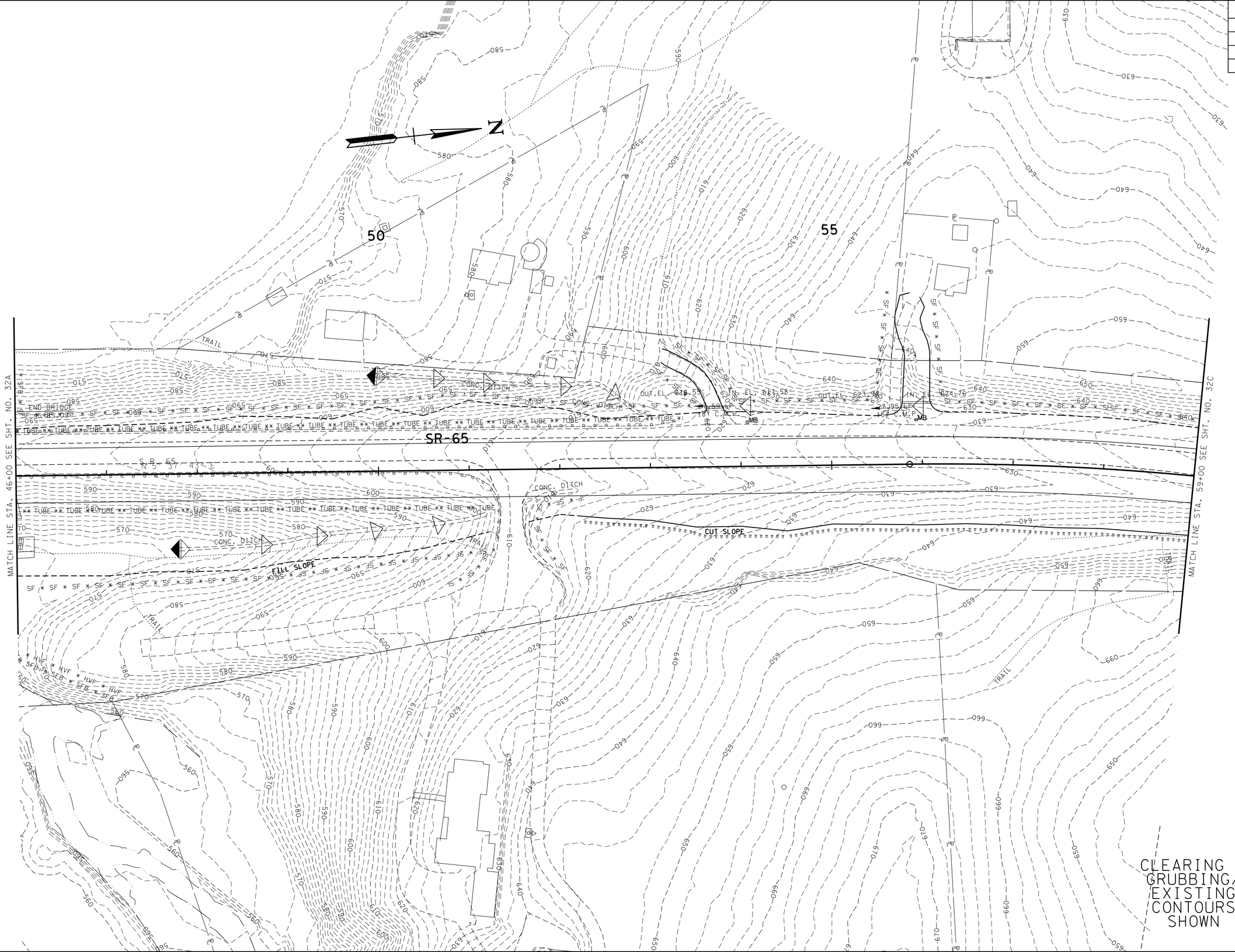
SCALE: 1:50

9-MAY-2015 09:52
C:\RobertsonCountySR65\Robertson SR65\RBSR65_32_A_ErosionControlPhase1.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	38
CONST	2015	STP/NH/DEMO-65(8)	32B



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 1

STA. 46+00 TO STA. 59+00

SCALE: 1:50

9-MAY-2015 09:52
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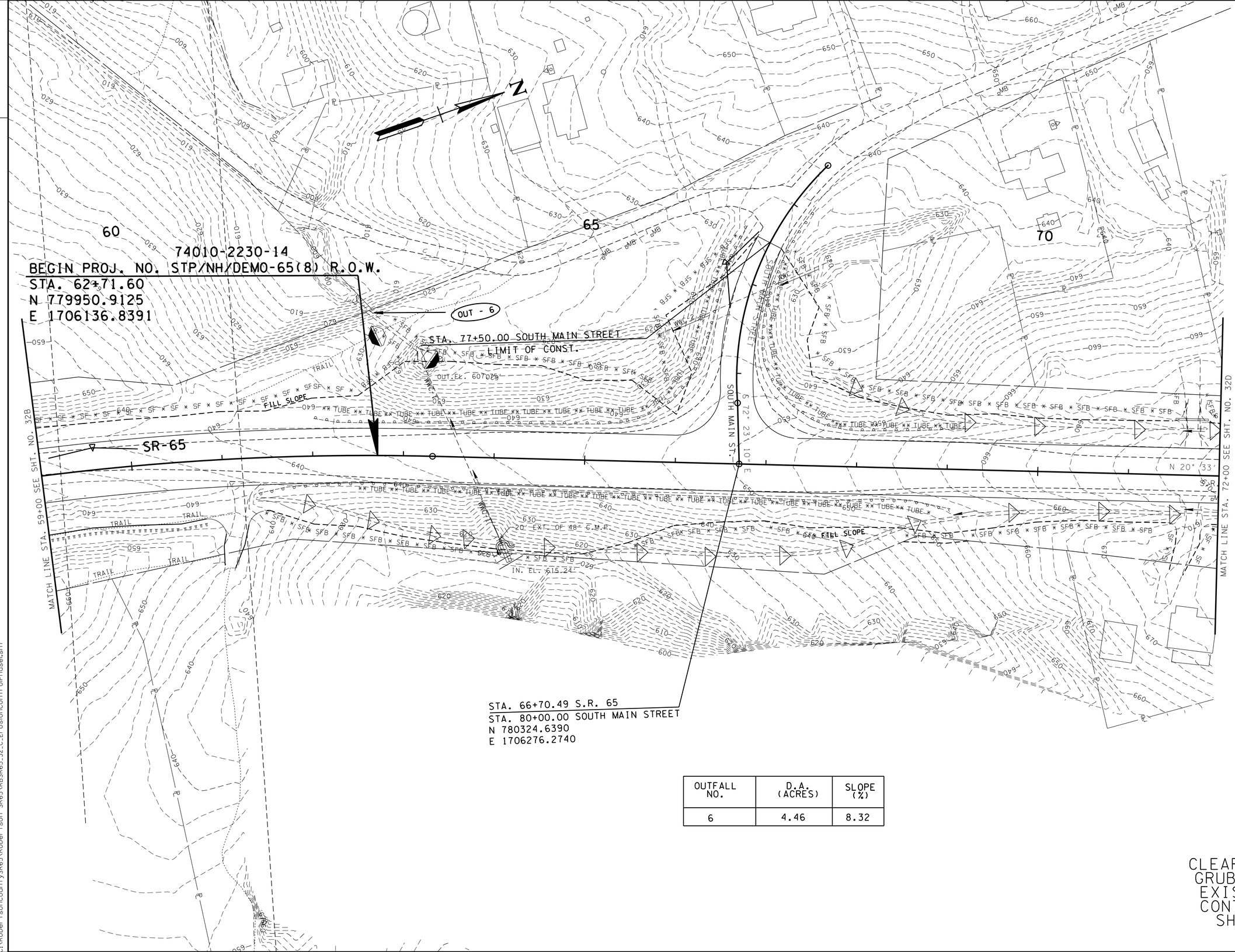
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	39
CONST	2015	STP/NH/DEMO-65(8)	32C



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
6	4.46	8.32

CLEARING & GRUBBING/ EXISTING CONTOURS SHOWN

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 1

STA. 59+00 TO STA. 72+00

SCALE: 1:50

9-MAY-2015 09:52
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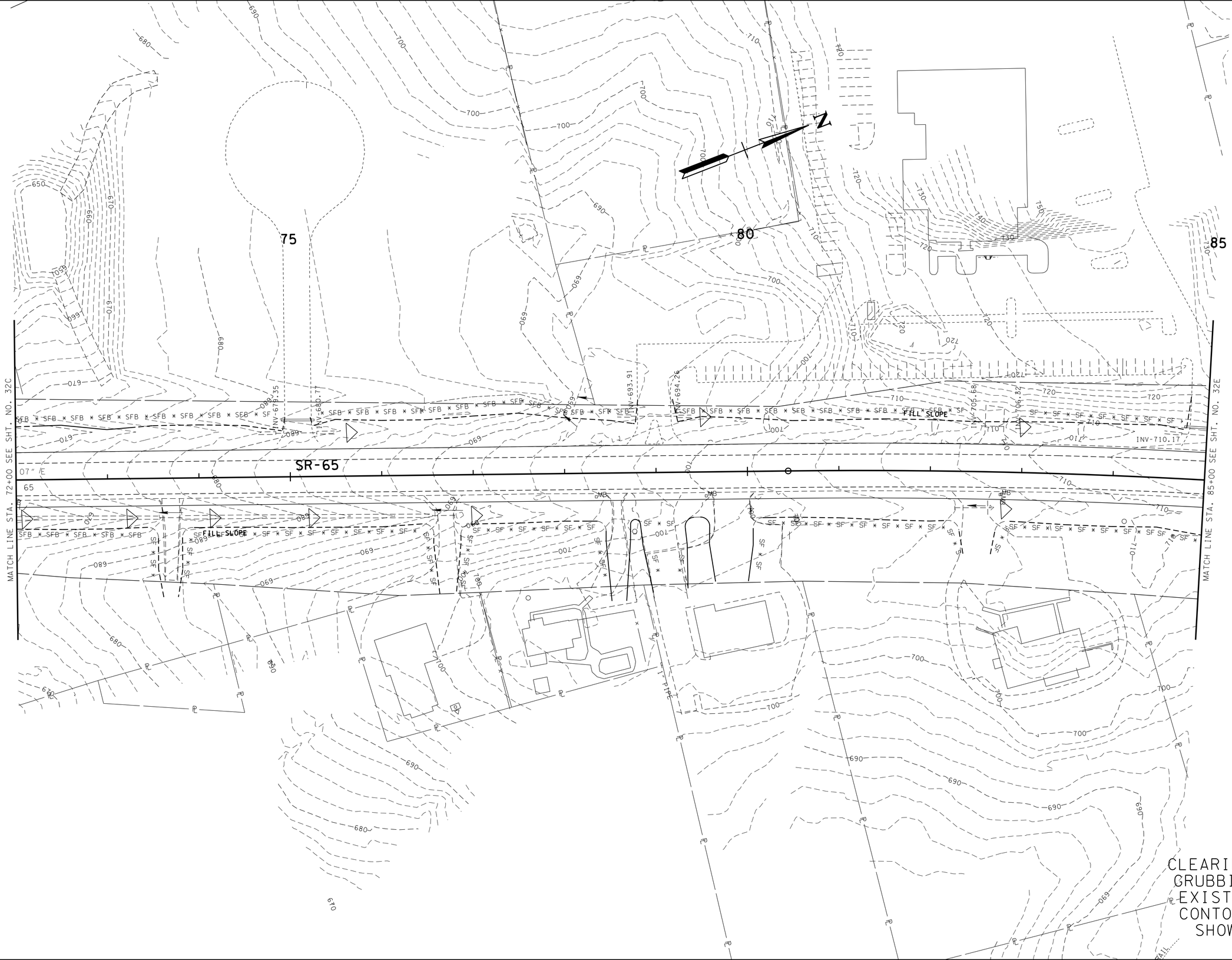
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	40
CONST	2015	STP/NH/DEMO-65(8)	32D



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 1

STA. 72+00 TO STA. 85+00

SCALE: 1:50

9-MAY-2015 09:52
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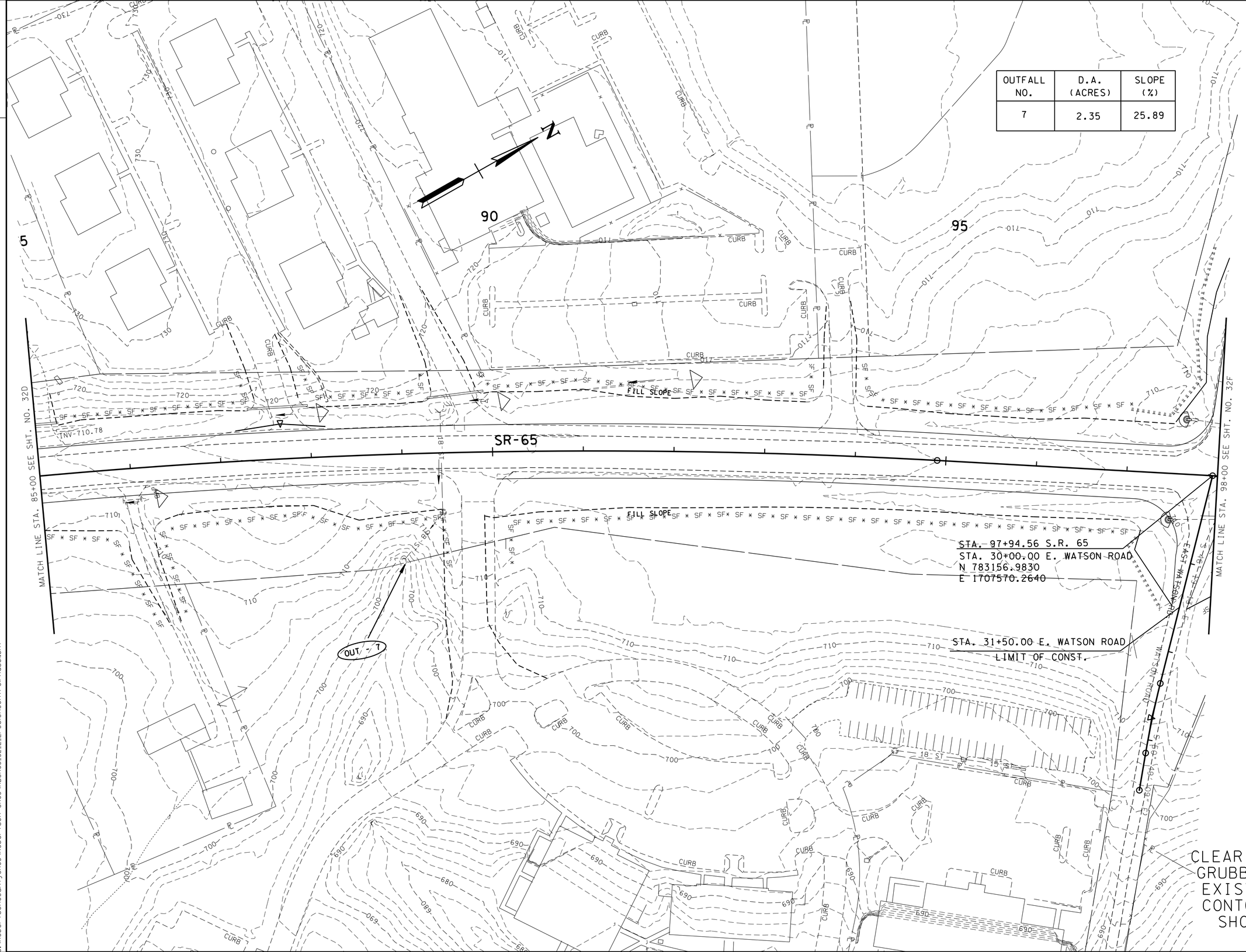
TENNESSEE D.O.T.
DESIGN DIVISION

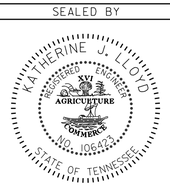
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	41
CONST	2015	STP/NH/DEMO-65(8)	32E

OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
7	2.35	25.89



SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 1

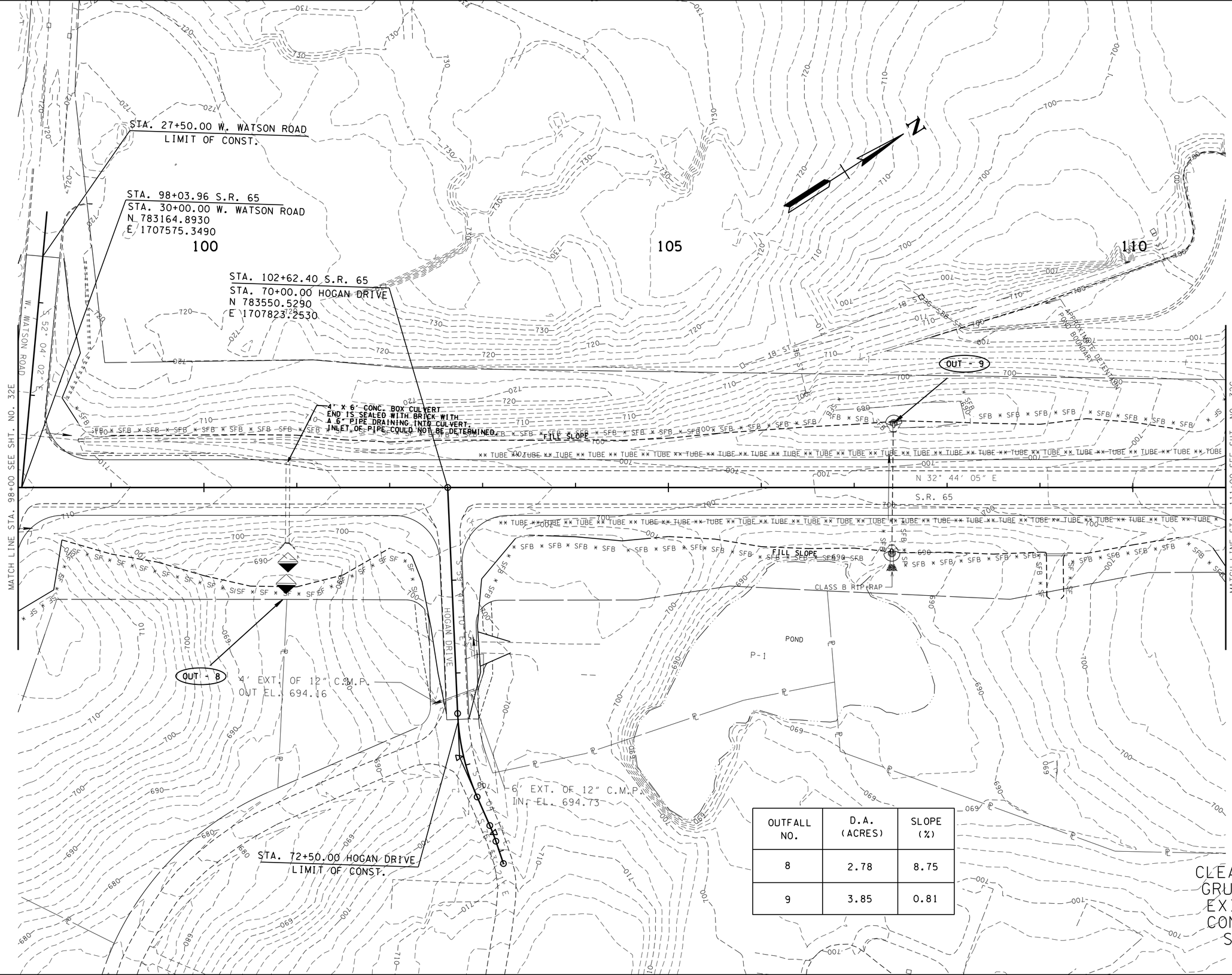
STA. 85+00 TO STA. 98+00

SCALE: 1:50

9-MAY-2015 09:53
C:\RobertsonCountySR65\Robertson SR65\RBSR65_32_E_ErosionControlPhase1.sht

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	42
CONST	2015	STP/NH/DEMO-65(8)	32F



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
8	2.78	8.75
9	3.85	0.81

CLEARING & GRUBBING/ EXISTING CONTOURS SHOWN

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

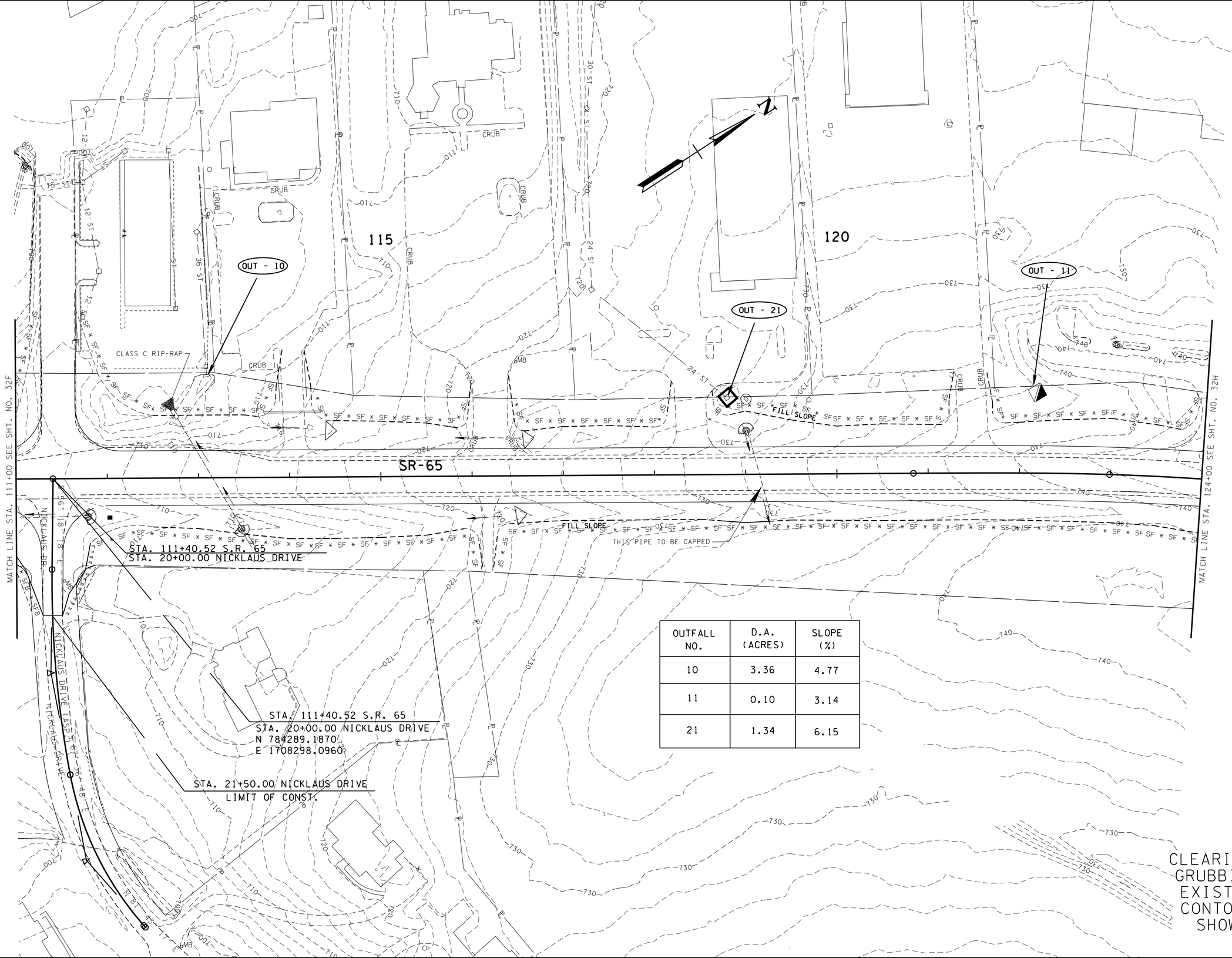
EPSC STAGE 1

STA. 98+00 TO STA.111+00
SCALE: 1:50

9-MAY-2015 09:53
C:\RobertsonCountySR65\Robertson SR65\RBSR65_32_F_ErosionControlPhase1.sht

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

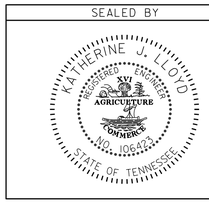
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	43
CONST	2015	STP/NH/DEMO-65(8)	32G



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
10	3.36	4.77
11	0.10	3.14
21	1.34	6.15

CLEARING & GRUBBING/ EXISTING CONTOURS SHOWN

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 1

STA.111+00 TO STA.124+00

SCALE: 1:50

9-MAY-2015 09:53
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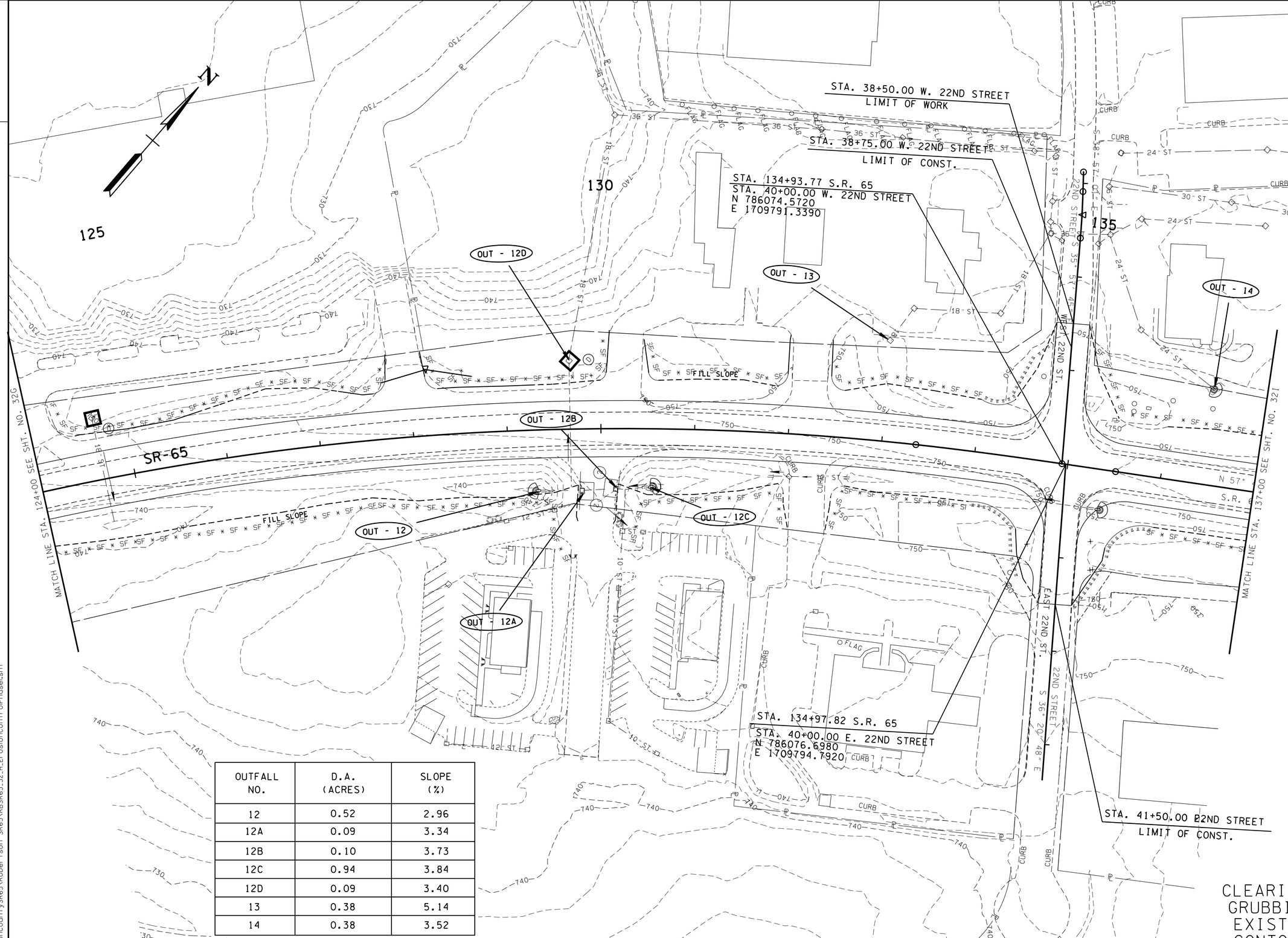
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	44
CONST	2015	STP/NH/DEMO-65(8)	32H



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
12	0.52	2.96
12A	0.09	3.34
12B	0.10	3.73
12C	0.94	3.84
12D	0.09	3.40
13	0.38	5.14
14	0.38	3.52

SEALED BY

CLEARING & GRUBBING/ EXISTING CONTOURS SHOWN

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

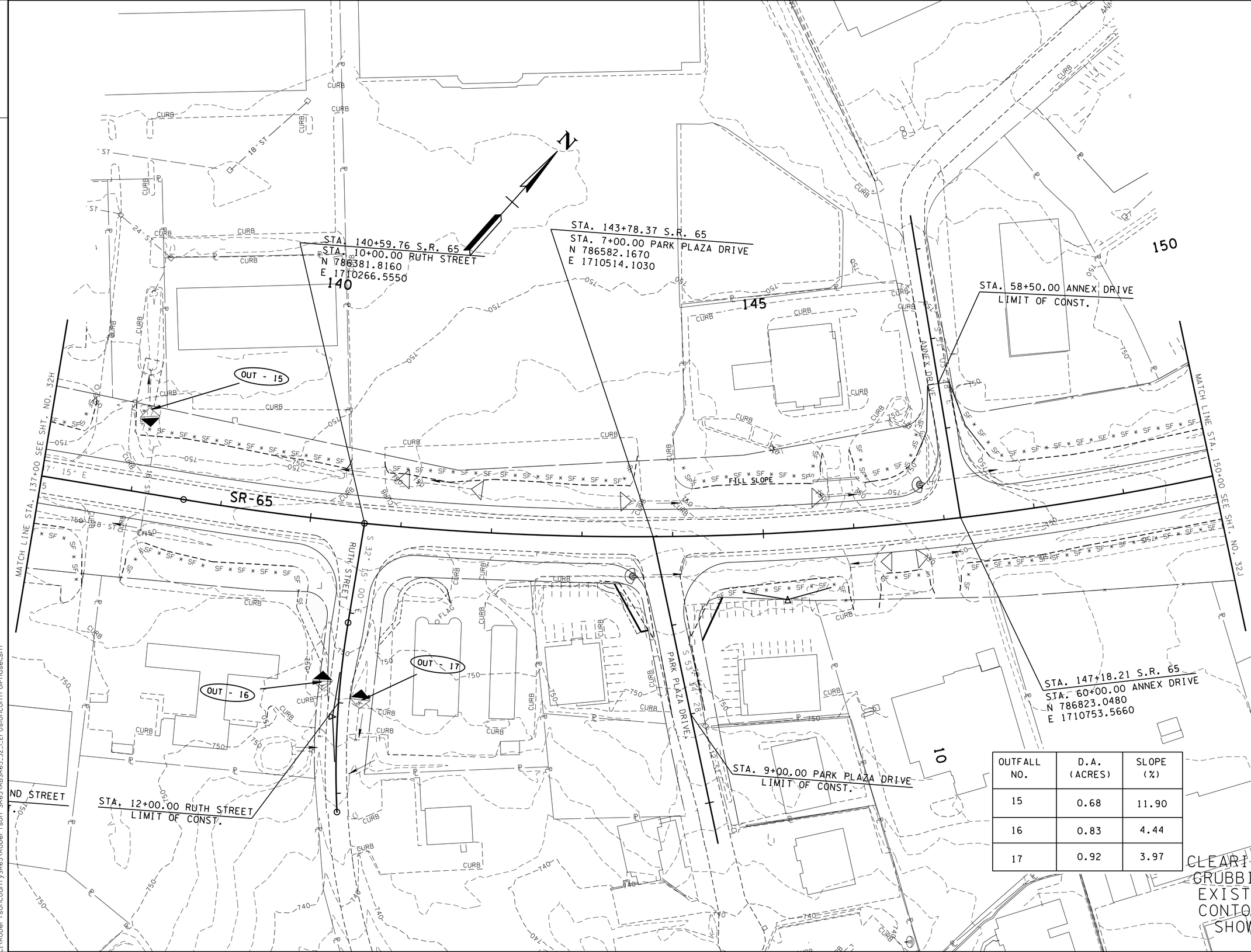
EPSC STAGE 1

STA.124+00 TO STA.137+00
SCALE: 1:50

9-MAY-2015 09:53
C:\RobertsonCountySR65\Robertson SR65\RBSR65_32_H_ErosionControlPhase1.sht

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

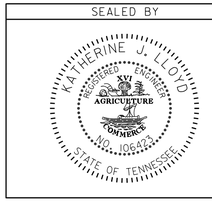
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	45
CONST	2015	STP/NH/DEMO-65(8)	32I



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
15	0.68	11.90
16	0.83	4.44
17	0.92	3.97

CLEARING & GRUBBING/ EXISTING CONTOURS SHOWN

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

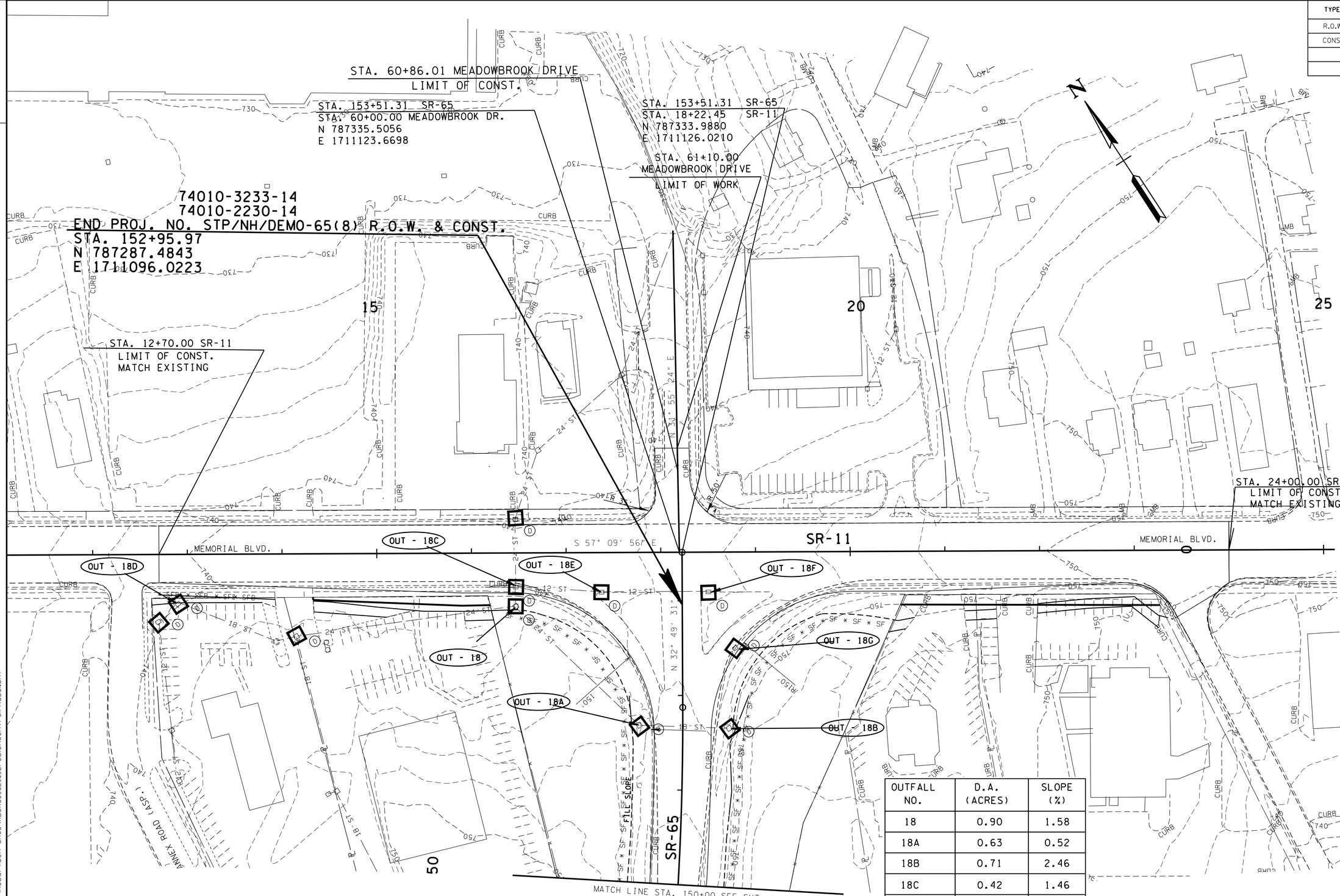
EPSC STAGE 1

STA.137+00 TO STA.150+00
SCALE: 1:50

9-MAY-2015 09:53
C:\RobertsonCountySR65\Robertson SR65\RBSR65_32_I_ErosionControlPhase1.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	46
CONST	2015	STP/NH/DEMO-65(8)	32J

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



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
18	0.90	1.58
18A	0.63	0.52
18B	0.71	2.46
18C	0.42	1.46
18D	0.15	9.58
18E	0.21	1.97
18F	0.08	2.49
18G	0.43	2.80

CLEARING & GRUBBING/ EXISTING CONTOURS SHOWN

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 1

STA.150+00 TO END OF PROJ.

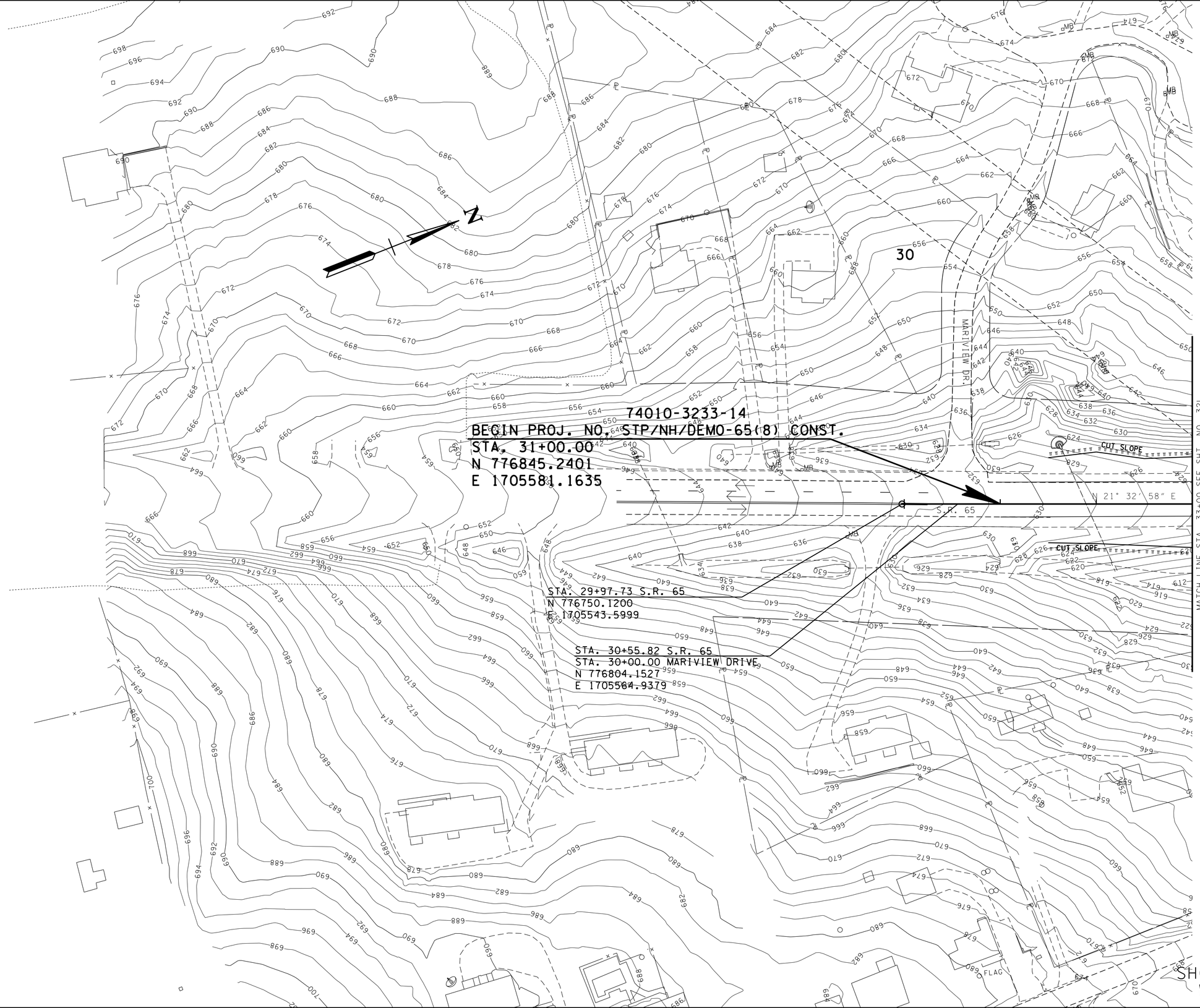
SCALE: 1:50

9-MAY-2015 09:53
C:\RobertsonCountySR65\Robertson SR65\RBSR65_32_J_ErosionControlPhase1.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	36A
CONST	2015	STP/NH/DEMO-65(8)	32K



SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

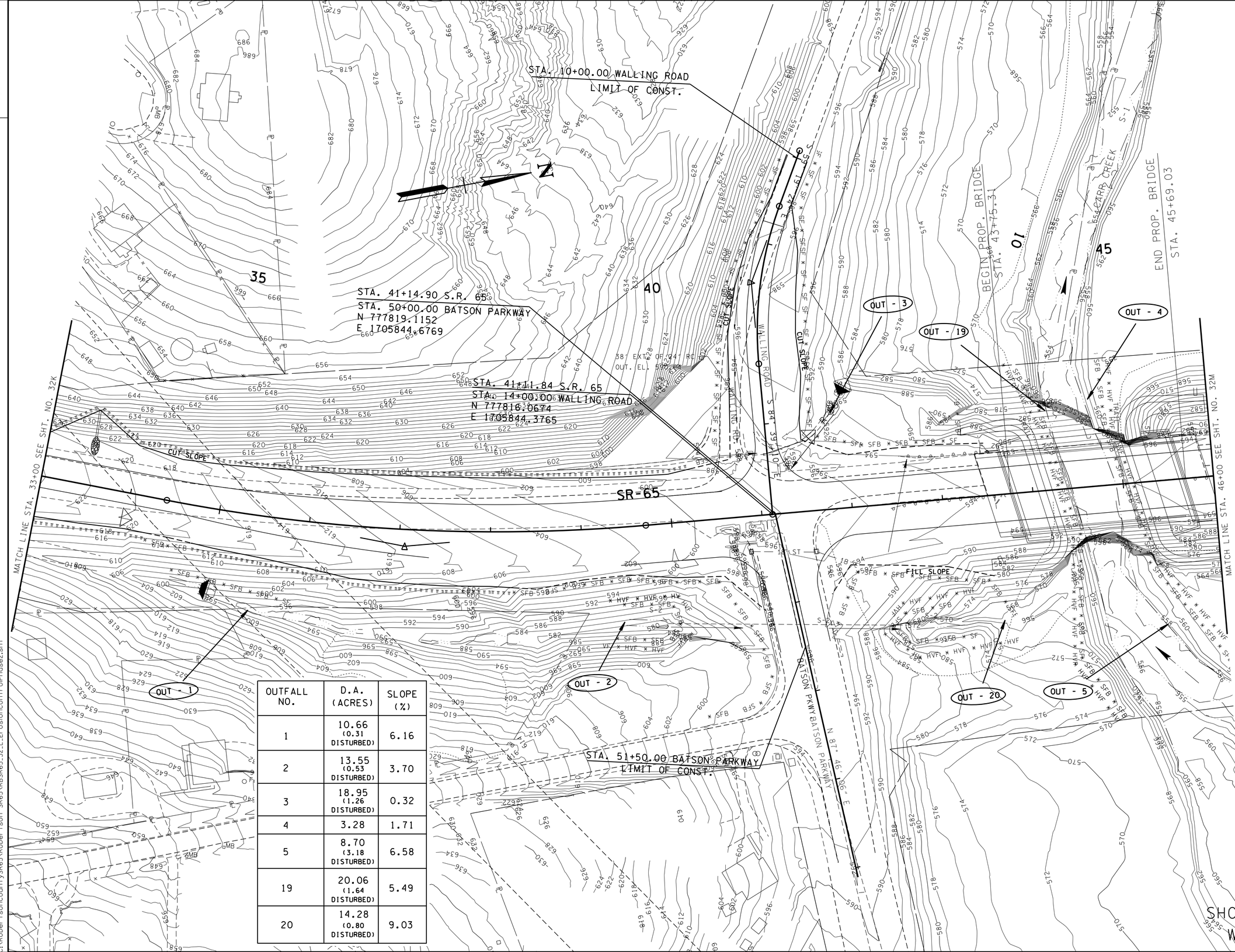
EPSC STAGE 2

STA. 30+00 TO STA. 33+00
SCALE: 1:50

9-MAY-2015 09:53
c:\RobertsonCountySR65\Robertson SR65\RBSR65_32_K_ErosionControlPhase2.sht

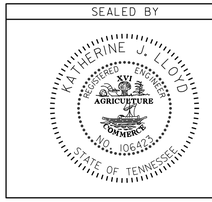
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32L



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
1	10.66 (0.31 DISTURBED)	6.16
2	13.55 (0.53 DISTURBED)	3.70
3	18.95 (1.26 DISTURBED)	0.32
4	3.28	1.71
5	8.70 (3.18 DISTURBED)	6.58
19	20.06 (1.64 DISTURBED)	5.49
20	14.28 (0.80 DISTURBED)	9.03

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 2

STA. 33+00 TO STA. 46+00

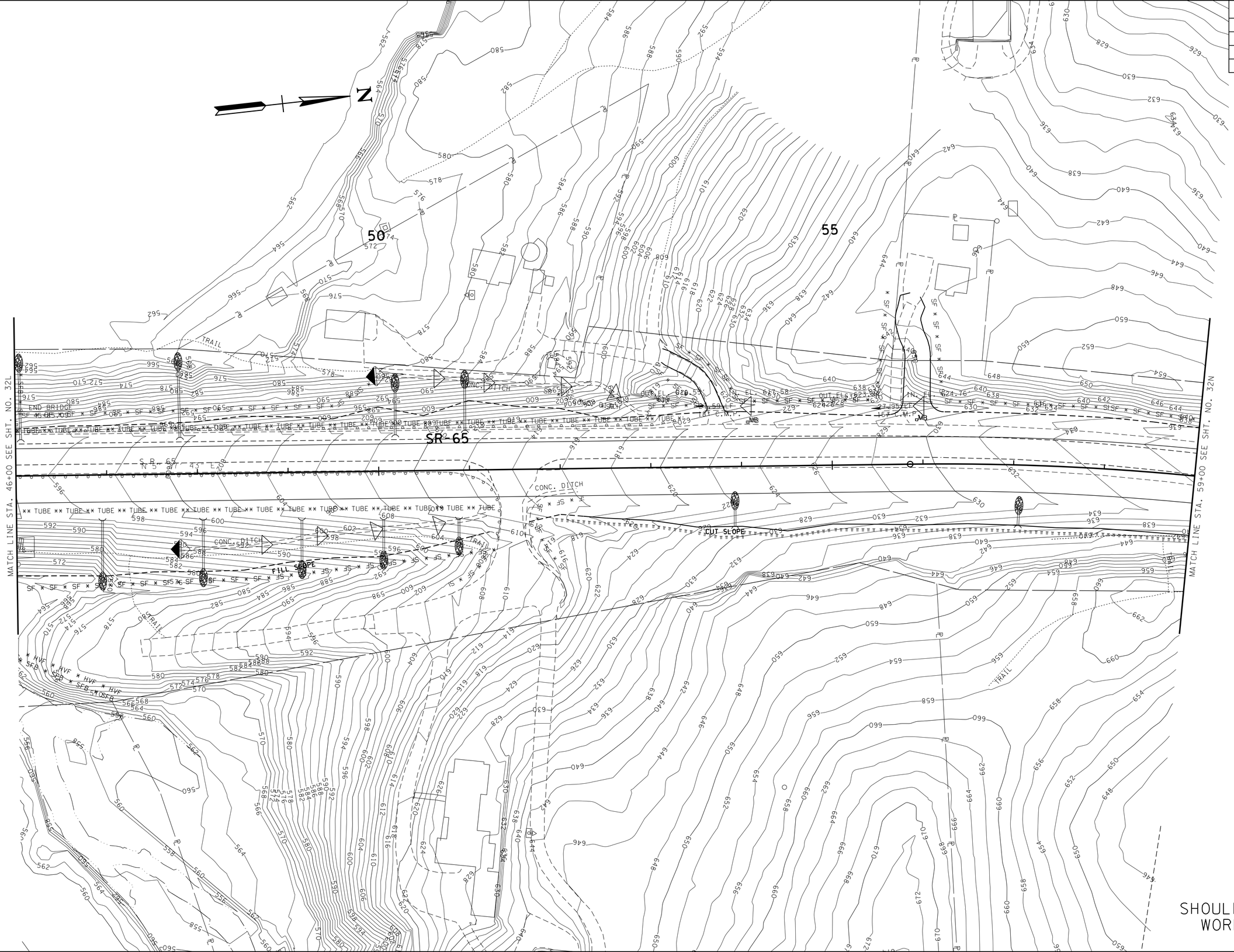
SCALE: 1:50

9-MAY-2015 09:53
C:\RobertsonCountySR65\Robertson SR65\RBSR65_32_L_ErosionControlPhase2.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32M



SHOULDER WORK

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 2

STA. 46+00 TO STA. 59+00

SCALE: 1:50

9-MAY-2015 09:53
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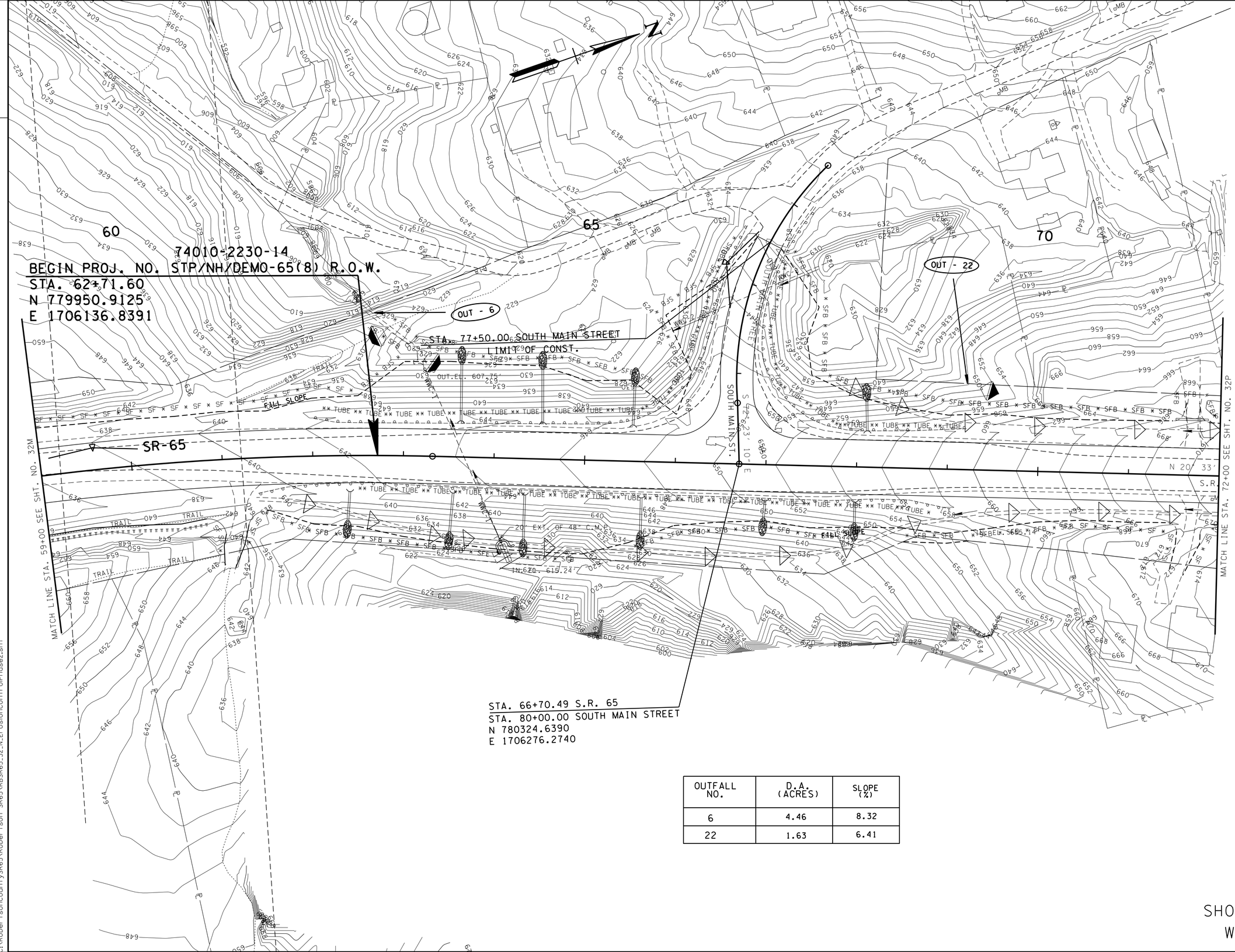
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32N



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
6	4.46	8.32
22	1.63	6.41

SHOULDER WORK

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 2

STA. 59+00 TO STA. 72+00

SCALE: 1:50

9-MAY-2015 09:53
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TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32P

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 2

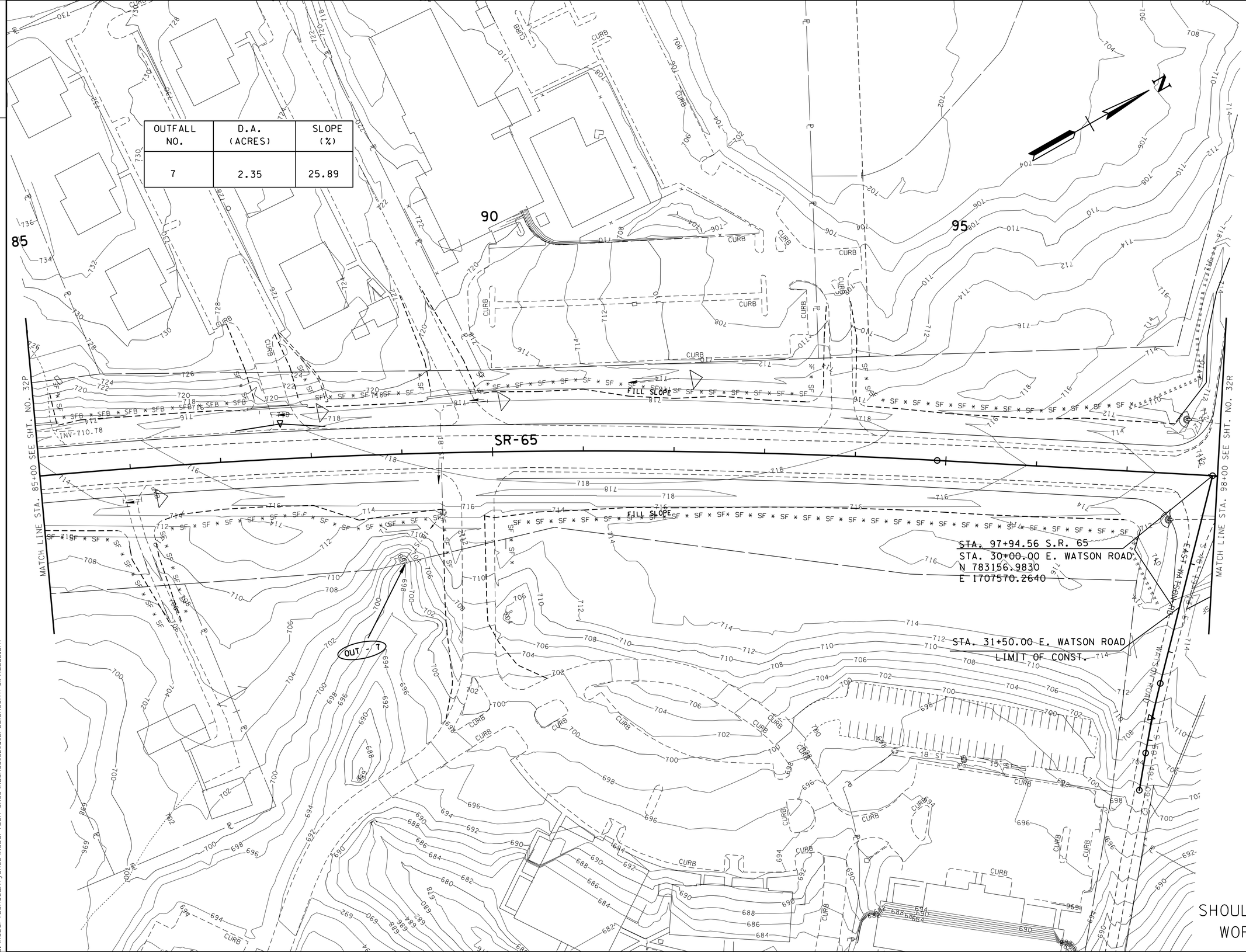
STA. 72+00 TO STA. 85+00
SCALE: 1:50

9-MAY-2015 09:53
C:\RobertsonCountySR65\Robertson SR65\RBSR65_32_P_ErosionControlPhase2.sht

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32Q

OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
7	2.35	25.89



SHOULDER WORK

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

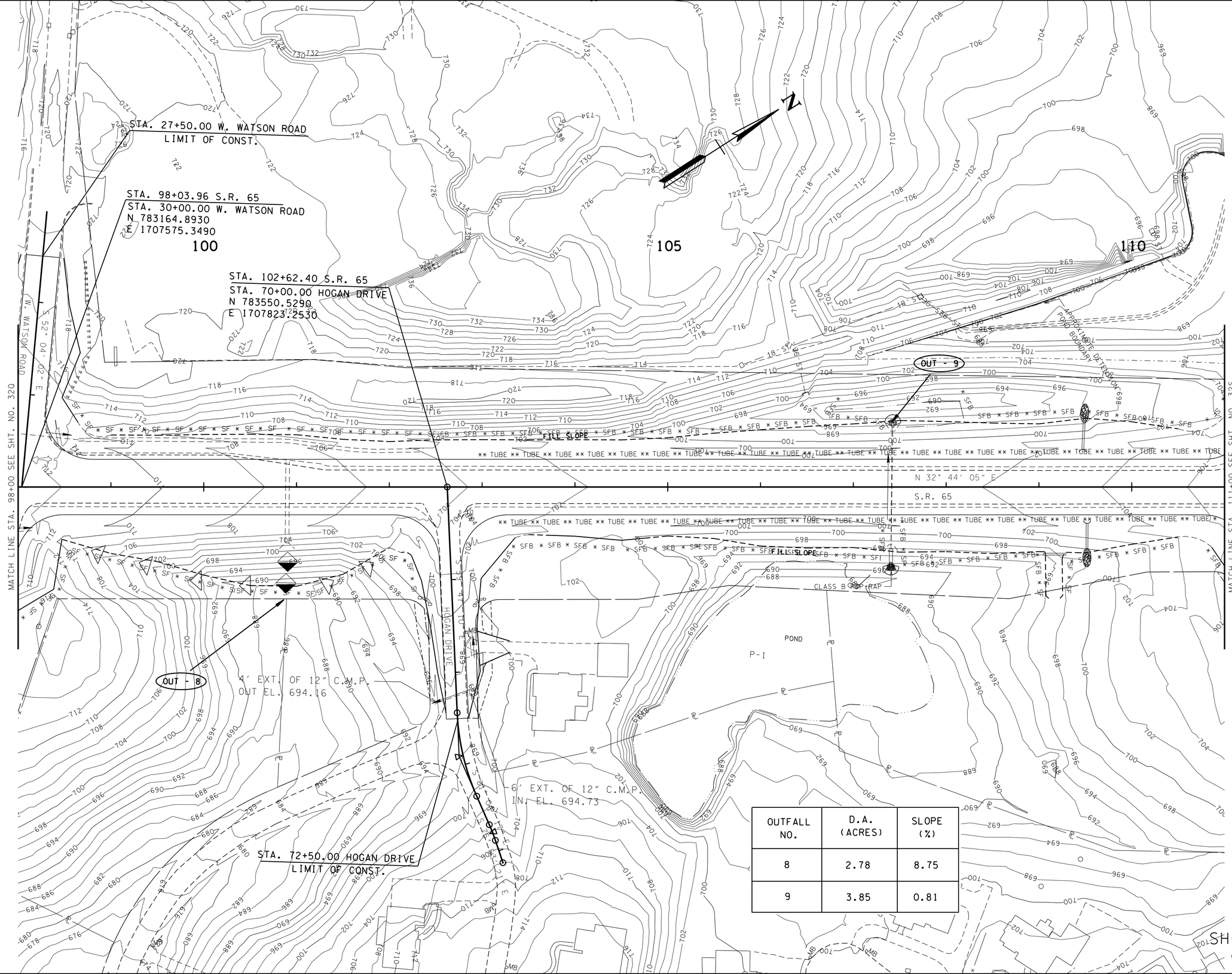
EPSC STAGE 2

STA. 85+00 TO STA. 98+00
SCALE: 1:50

9-MAY-2015 09:53
C:\RobertsonCountySR65\Robertson SR65\RBSR65_32_Q_ErosionControlPhase2.sht

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32R



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
8	2.78	8.75
9	3.85	0.81

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 2

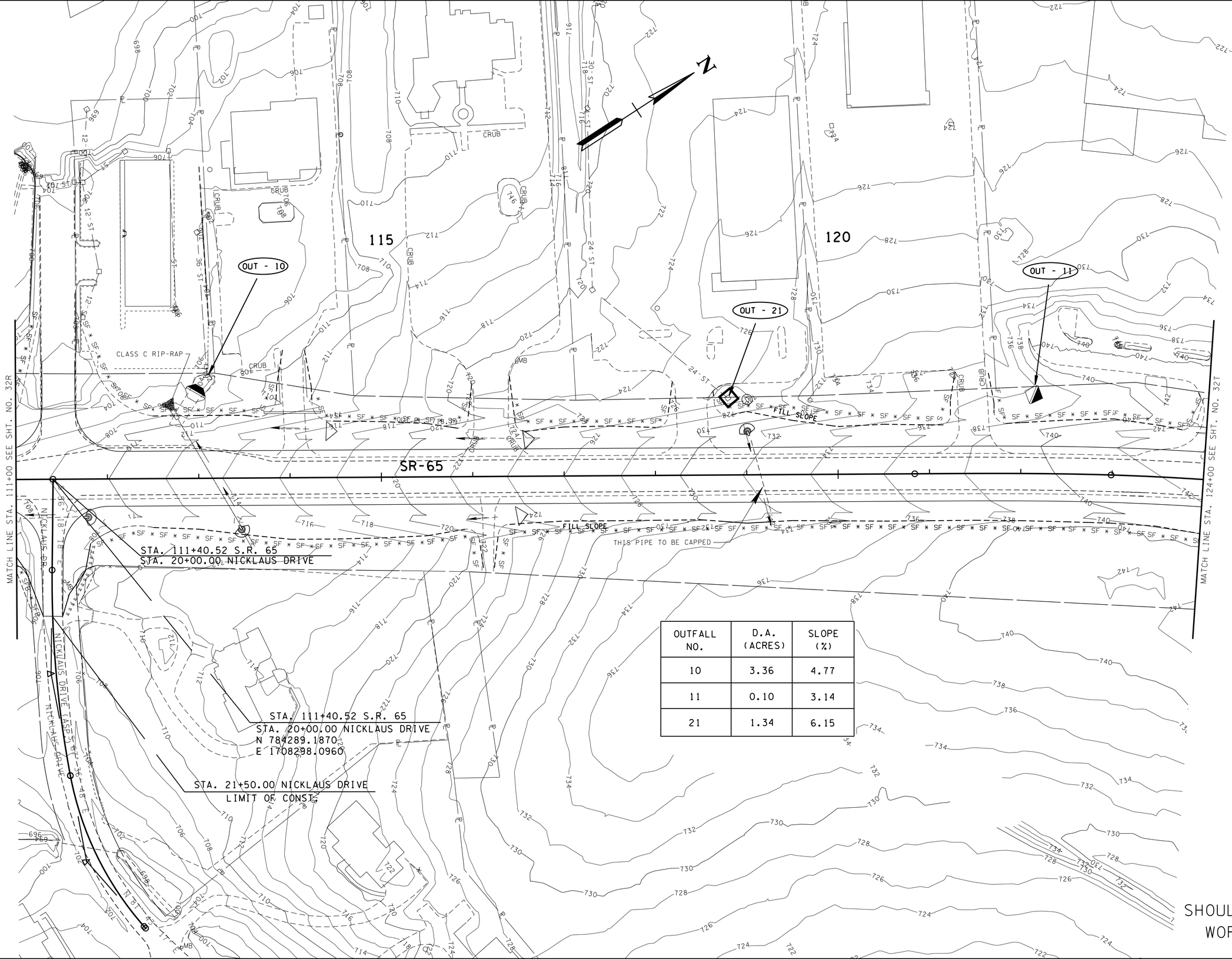
STA. 98+00 TO STA.111+00

SCALE: 1:50

9-MAY-2015 09:53
C:\RobertsonCountySR65\Robertson SR65\RBSR65_32_R_ErosionControlPhase2.sht

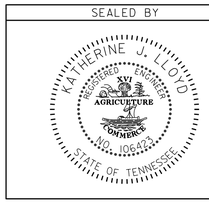
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32S



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
10	3.36	4.77
11	0.10	3.14
21	1.34	6.15

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 2

STA.111+00 TO STA.124+00

SCALE: 1:50

9-MAY-2015 09:53
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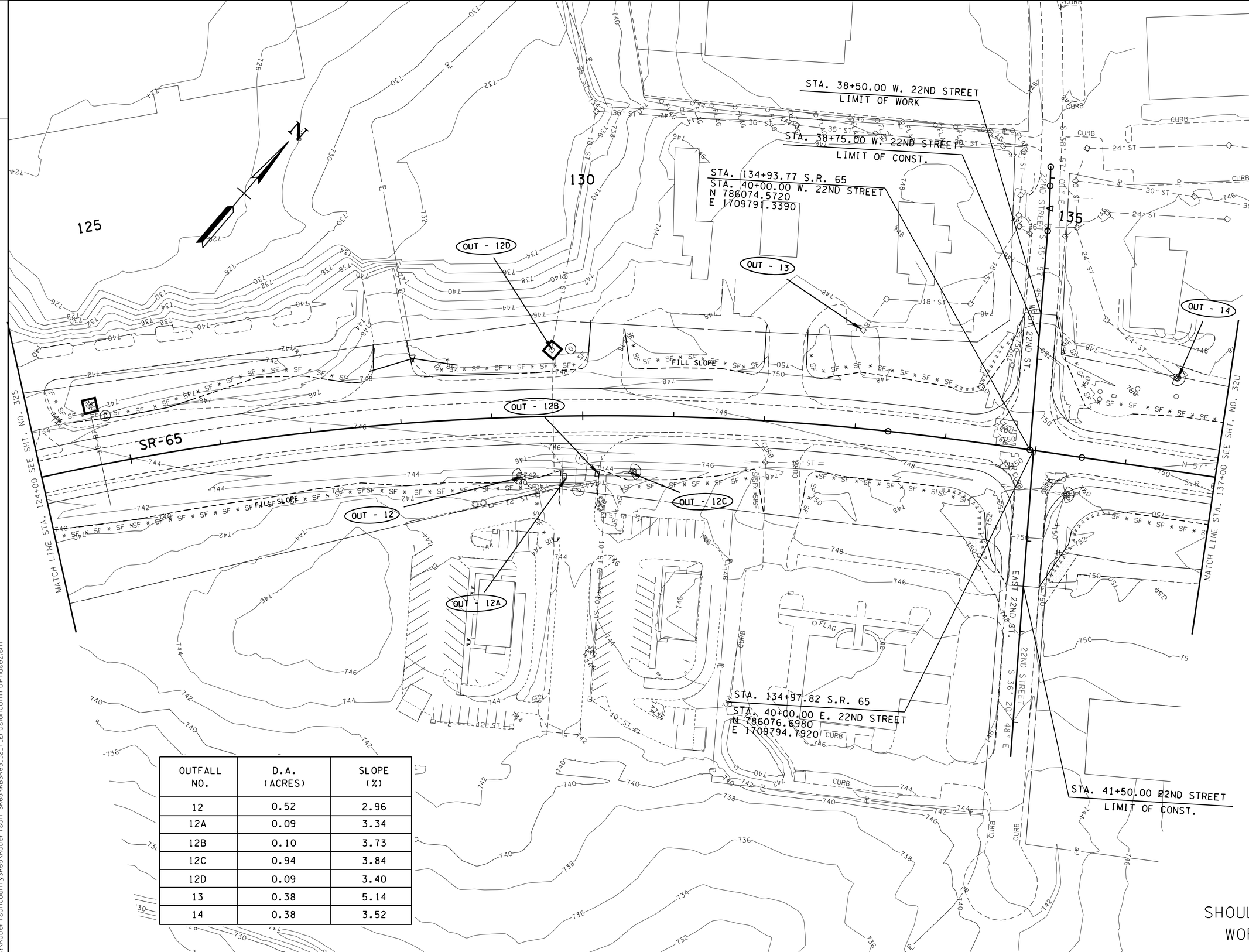
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32T



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
12	0.52	2.96
12A	0.09	3.34
12B	0.10	3.73
12C	0.94	3.84
12D	0.09	3.40
13	0.38	5.14
14	0.38	3.52

SHOULDER WORK

SEALED BY

KATHERINE J. LLOYD
REGISTERED ENGINEER
NO. 106422
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 2

STA.124+00 TO STA.137+00
SCALE: 1:50

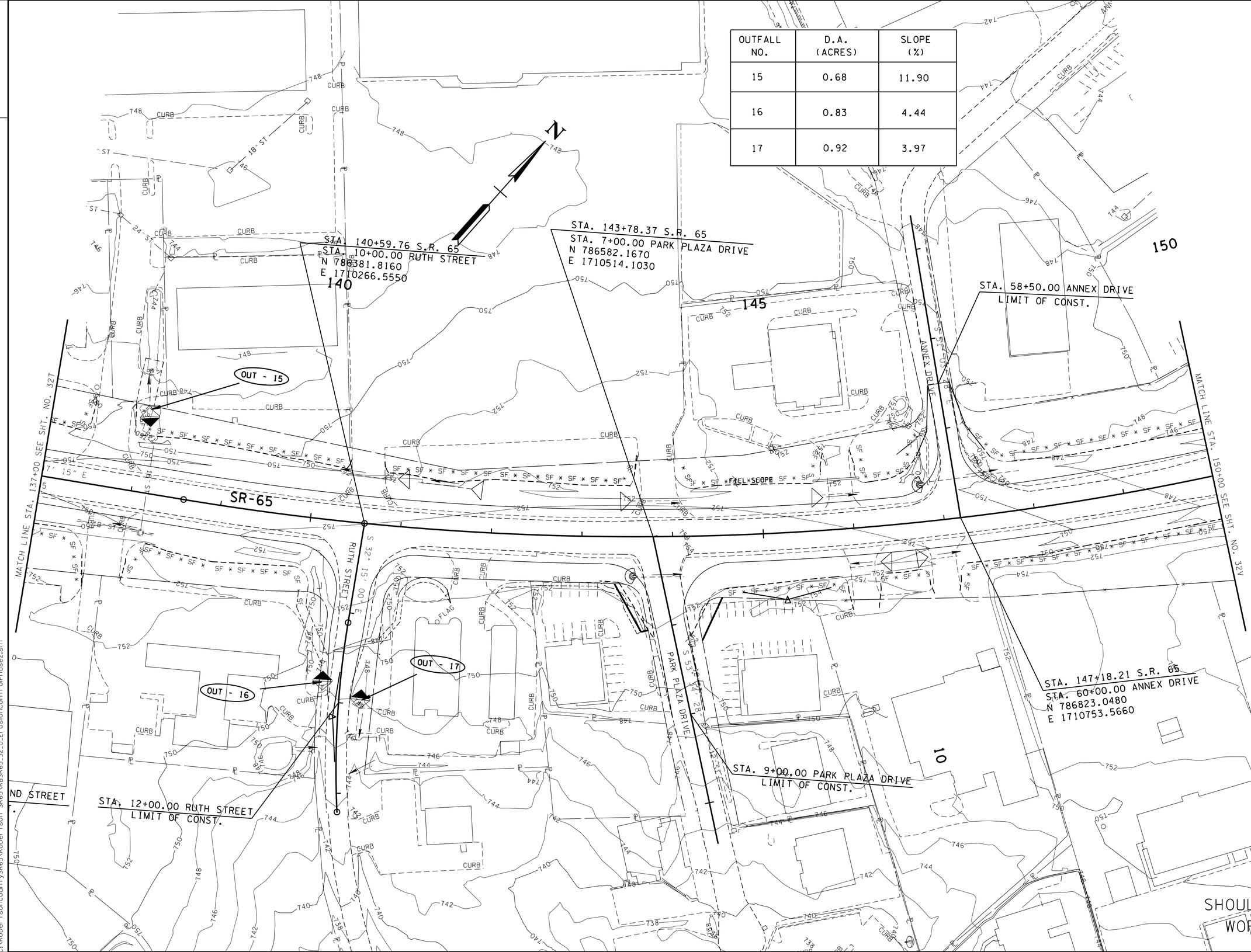
9-MAY-2015 09:53
C:\RobertsonCountySR65\Robertson SR65\RBSR65_32_T_ErosionControlPhase2.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32U

OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
15	0.68	11.90
16	0.83	4.44
17	0.92	3.97



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 2

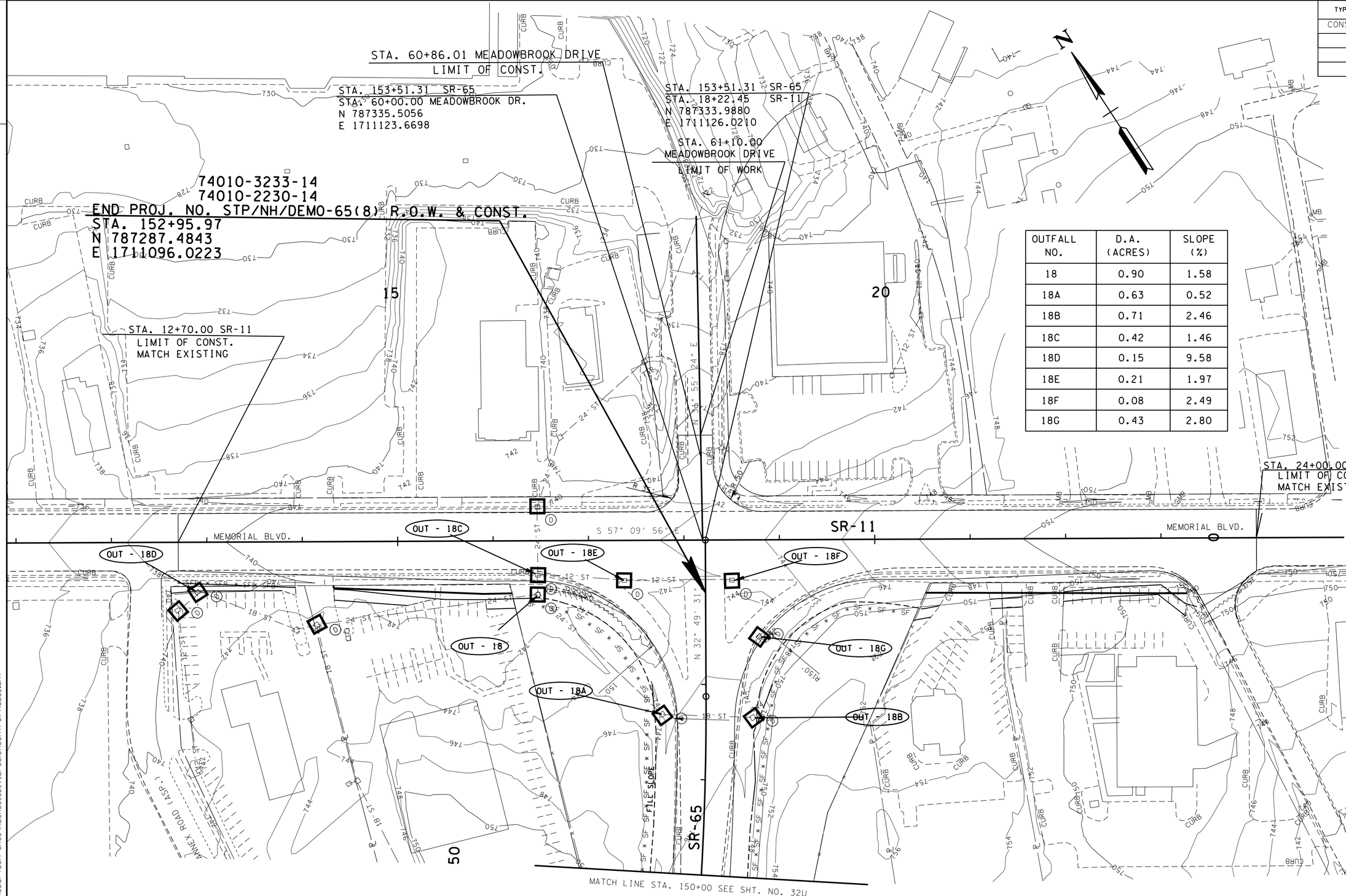
STA.137+00 TO STA.150+00

SCALE: 1:50

29-MAY-2015 09:53
C:\RobertsonCountySR65\Robertson SR65\RBSR65_32.U_ErosionControlPhase2.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8	32V

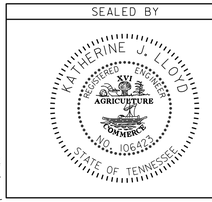
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
18	0.90	1.58
18A	0.63	0.52
18B	0.71	2.46
18C	0.42	1.46
18D	0.15	9.58
18E	0.21	1.97
18F	0.08	2.49
18G	0.43	2.80

SHOULDER WORK

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 2

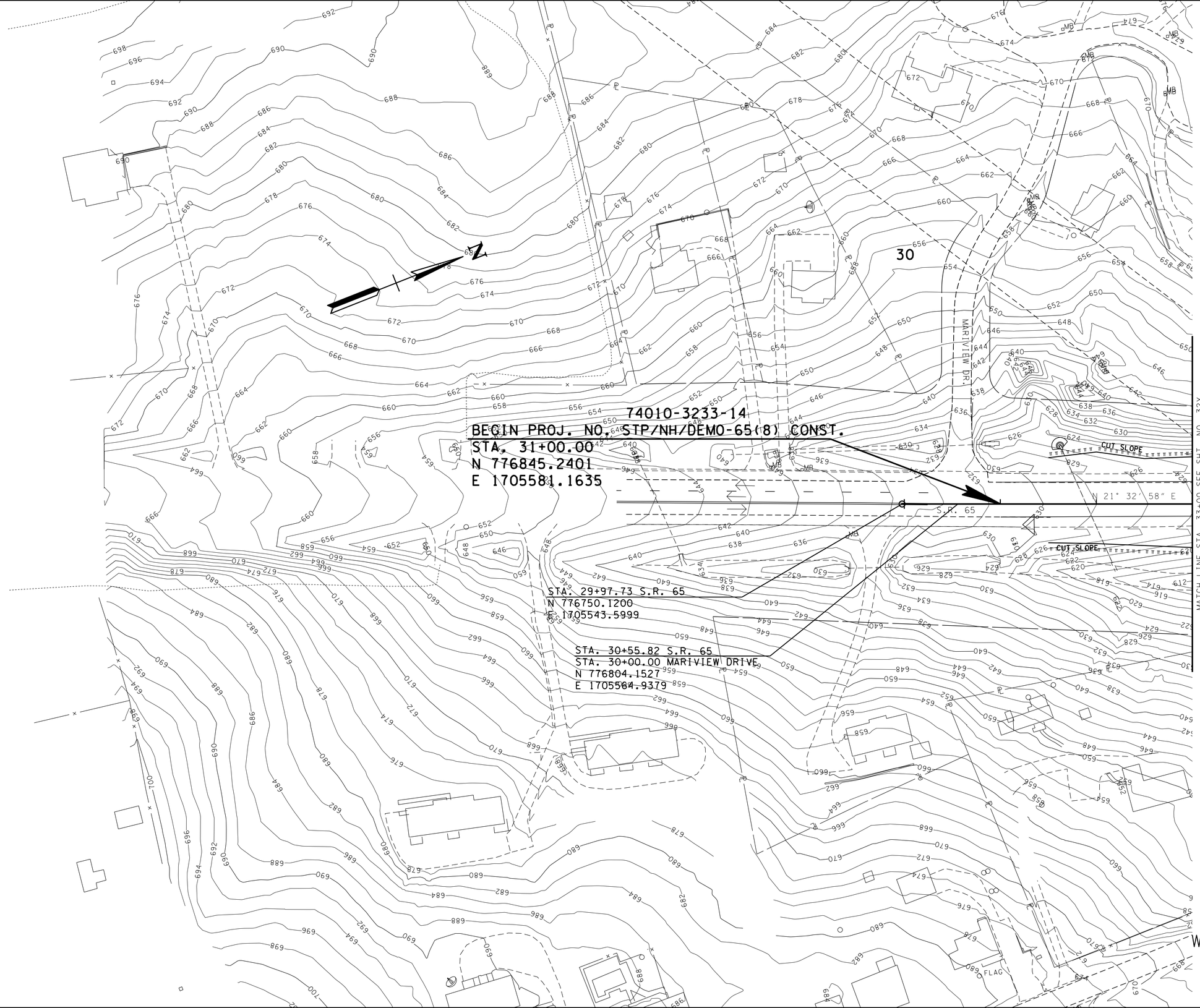
STA.150+00 TO END OF PROJ.

SCALE: 1:50

19-MAY-2015 09:53
C:\RobertsonCountySR65\Robertson SR65\RBSR65_32_V_ErosionControlPhase2.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32W

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



SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

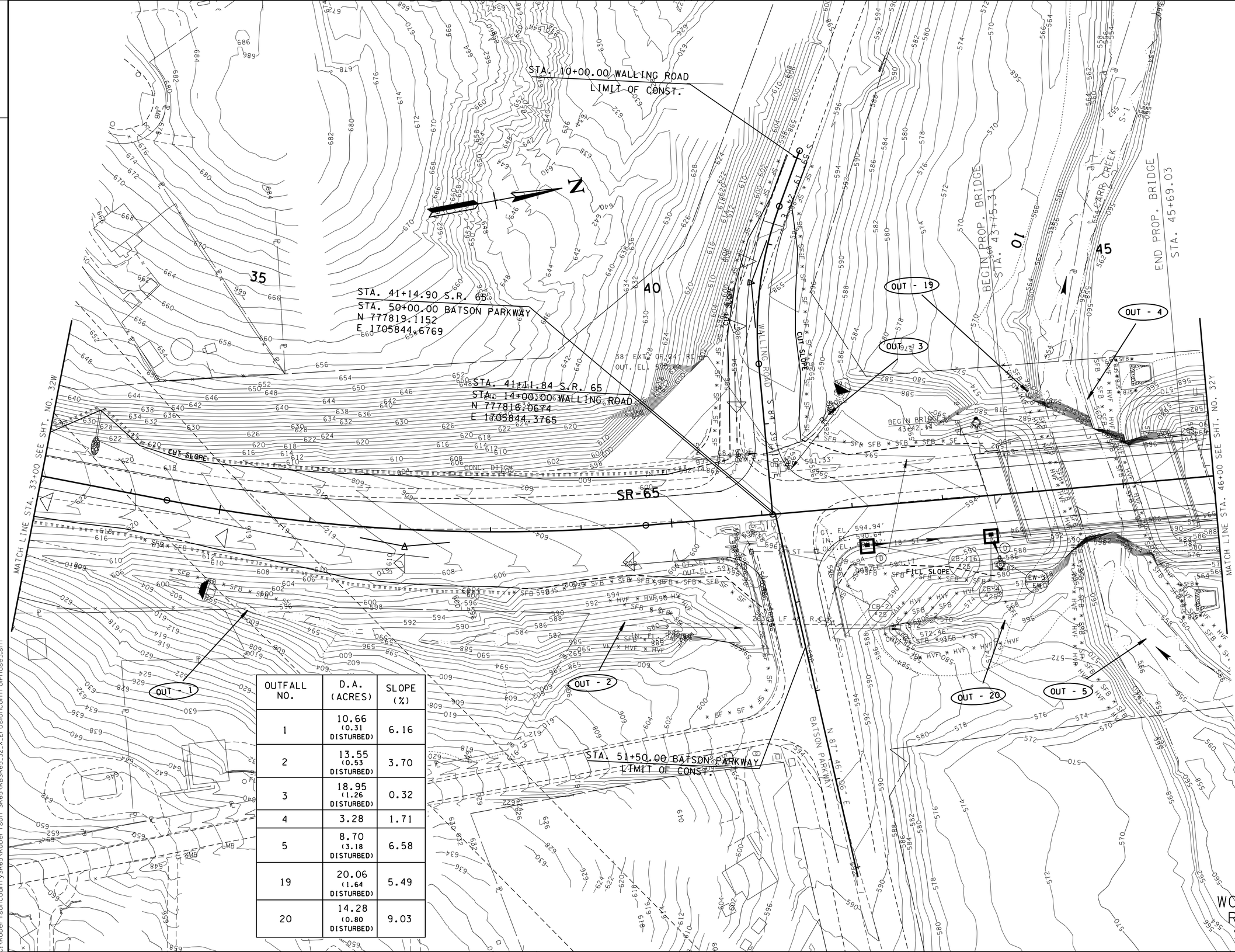
EPSC STAGE 3

STA. 30+00 TO STA. 33+00
SCALE: 1:50

9-MAY-2015 09:53
c:\RobertsonCountySR65\Robertson SR65\RBSR65_32_W_ErosionControlPhase3.sht

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32X



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
1	10.66 (0.31 DISTURBED)	6.16
2	13.55 (0.53 DISTURBED)	3.70
3	18.95 (1.26 DISTURBED)	0.32
4	3.28	1.71
5	8.70 (3.18 DISTURBED)	6.58
19	20.06 (1.64 DISTURBED)	5.49
20	14.28 (0.80 DISTURBED)	9.03

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 3

STA. 33+00 TO STA. 46+00

SCALE: 1:50

9-MAY-2015 09:53
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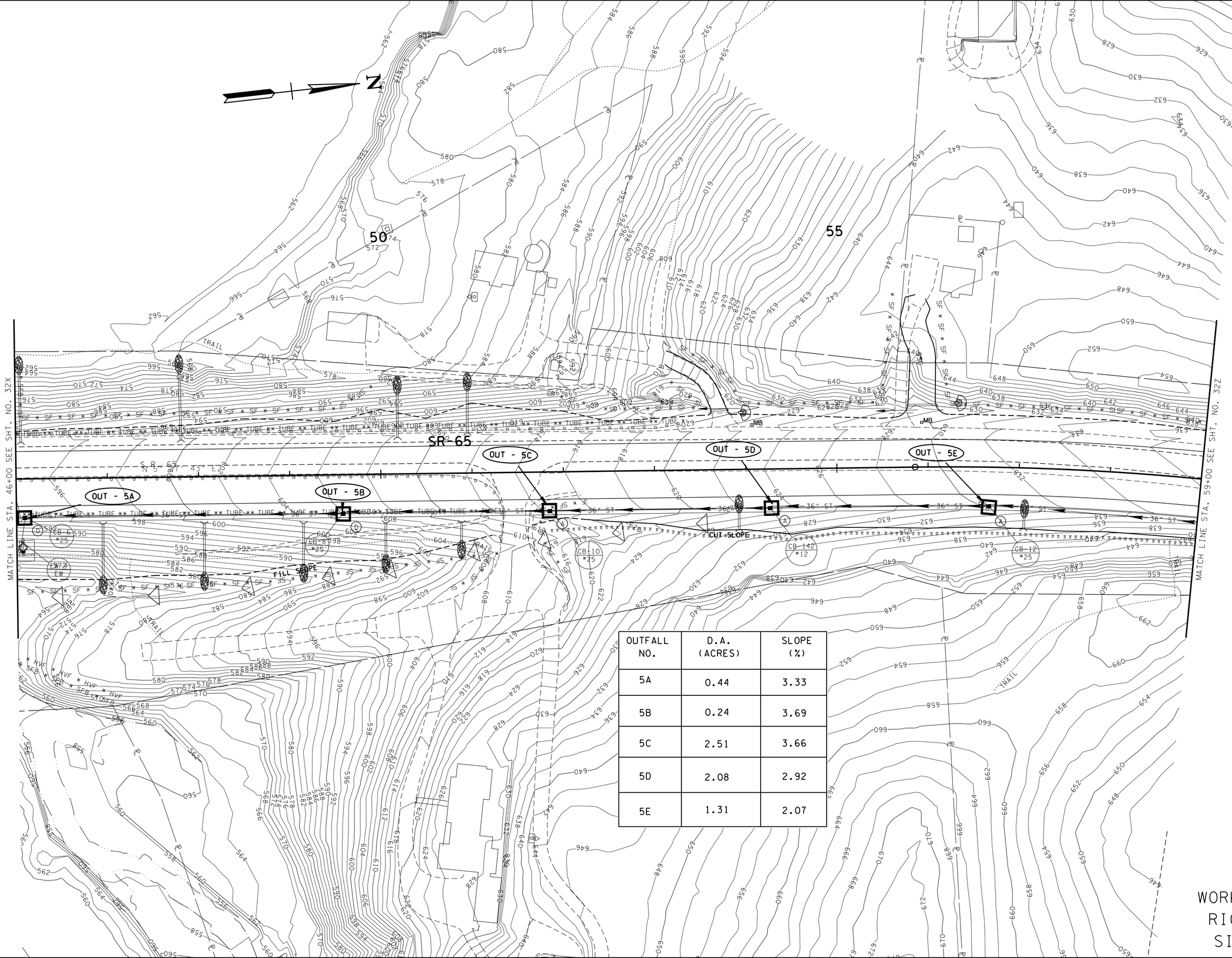
TENNESSEE D.O.T.
DESIGN DIVISION

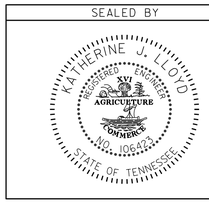
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32Y



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
5A	0.44	3.33
5B	0.24	3.69
5C	2.51	3.66
5D	2.08	2.92
5E	1.31	2.07

SEALED BY



WORK ON RIGHT SIDE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 3

STA. 46+00 TO STA. 59+00

SCALE: 1:50

29-MAY-2015 09:53
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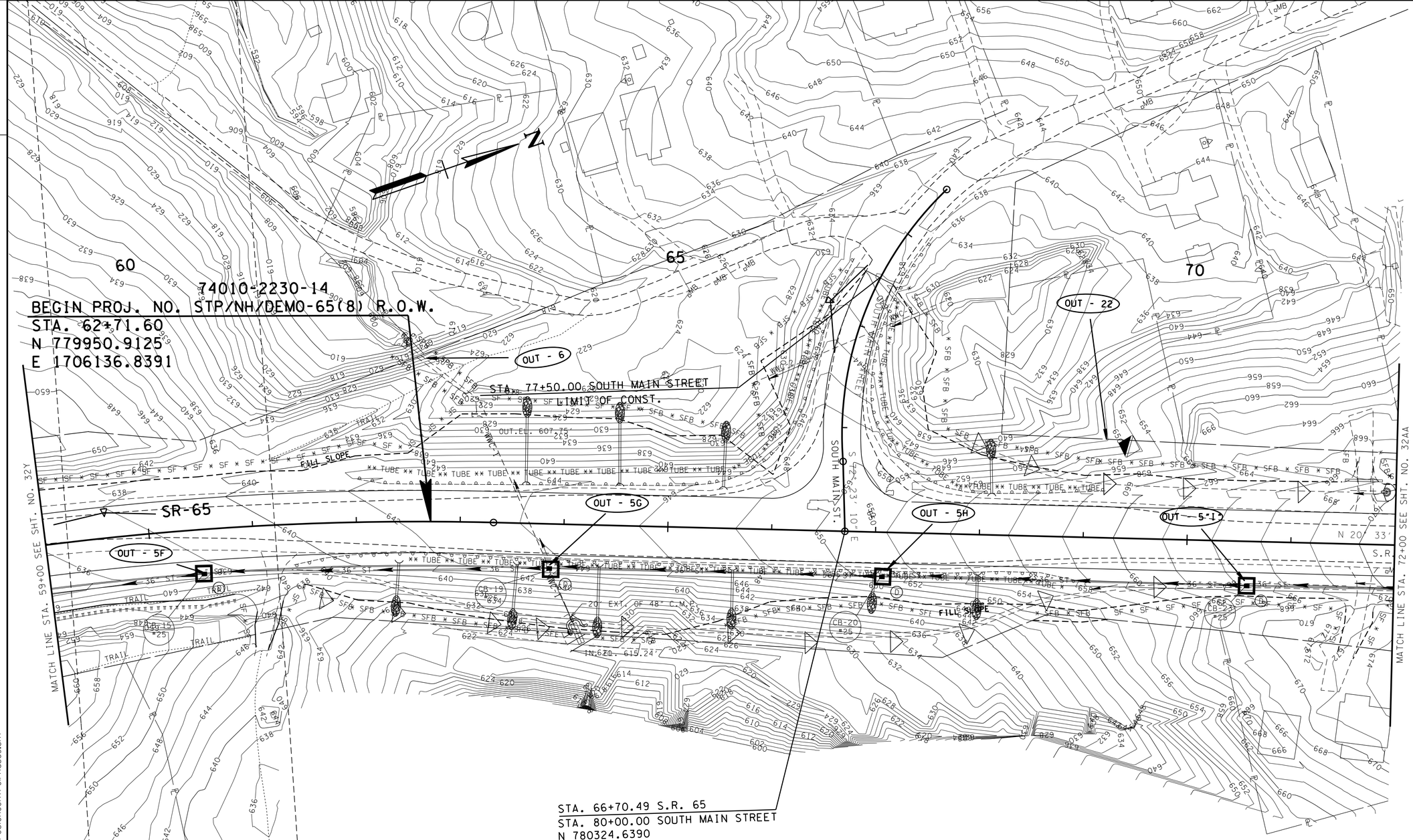
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32Z



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
5F	0.59	1.79
5G	0.39	2.32
5H	0.38	3.87
5"I"	0.39	4.22
6	4.46	8.32
22	1.63	6.41

WORK ON RIGHT SIDE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 3

STA. 59+00 TO STA. 72+00

SCALE: 1:50

9-MAY-2015 09:53
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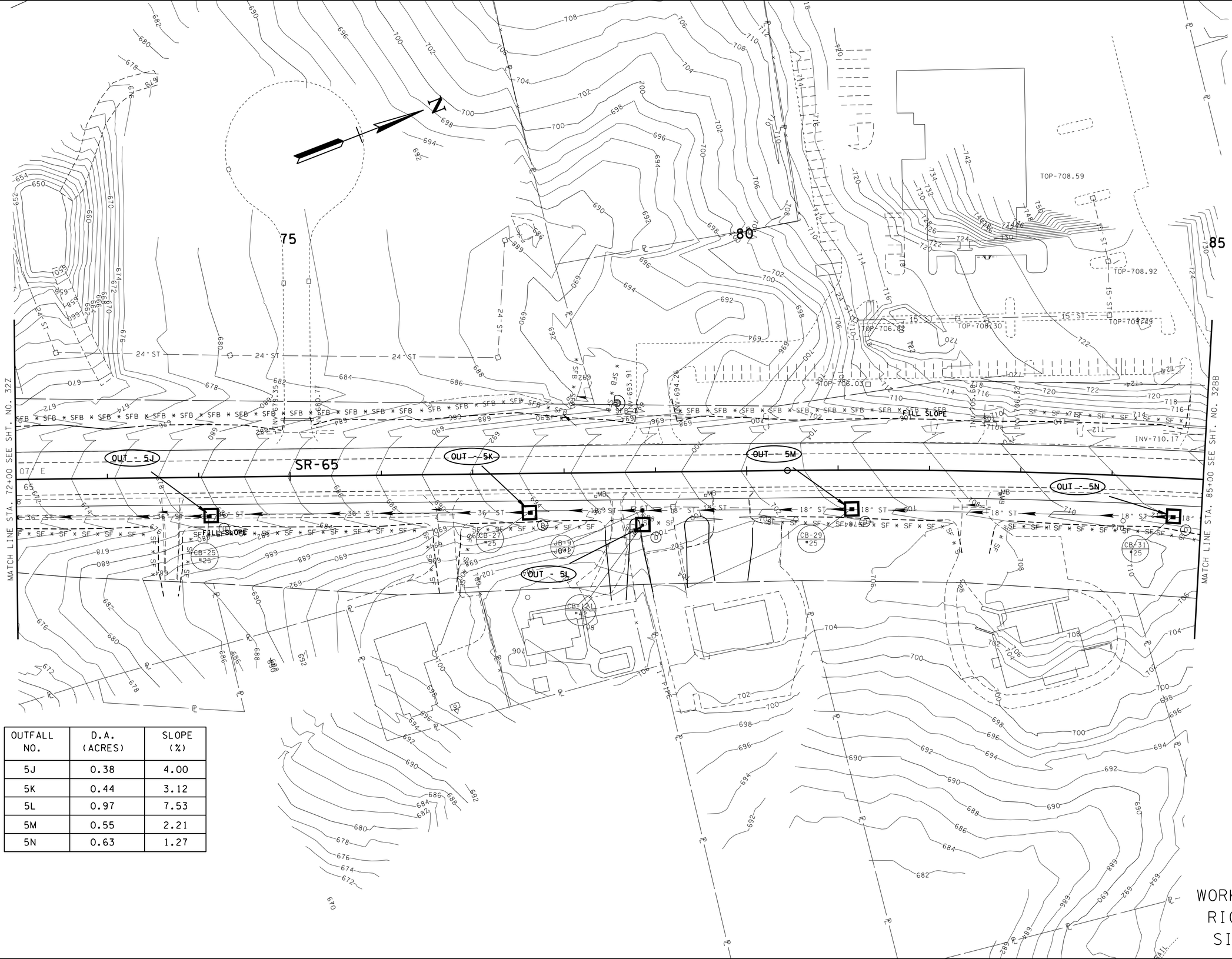
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32AA



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
5J	0.38	4.00
5K	0.44	3.12
5L	0.97	7.53
5M	0.55	2.21
5N	0.63	1.27

WORK ON RIGHT SIDE

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 3

STA. 72+00 TO STA. 85+00
SCALE: 1:50

9-MAY-2015 09:53
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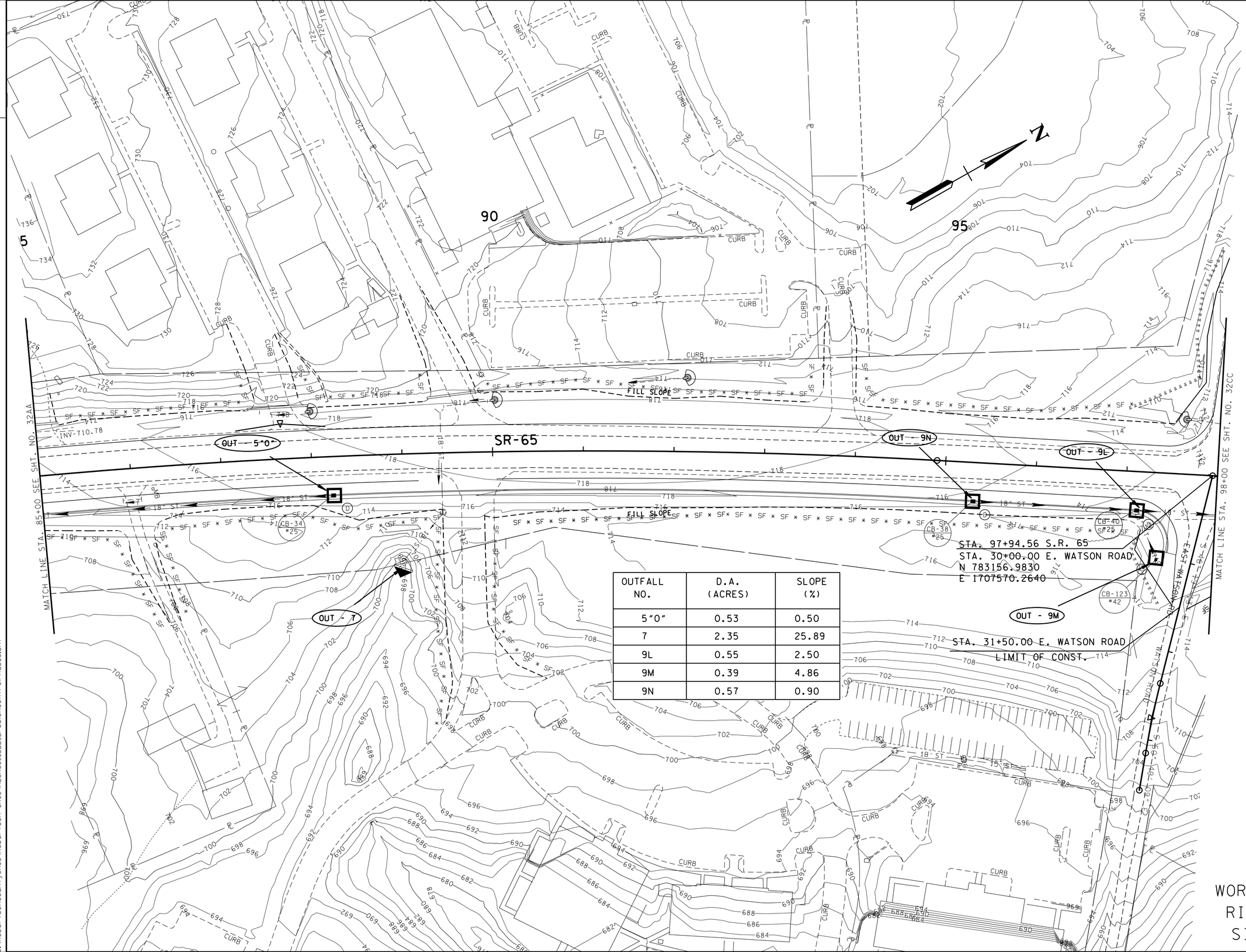
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

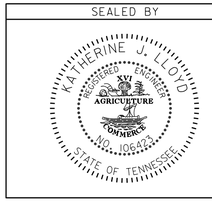
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32BB



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
5"0"	0.53	0.50
7	2.35	25.89
9L	0.55	2.50
9M	0.39	4.86
9N	0.57	0.90

WORK ON RIGHT SIDE

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 3

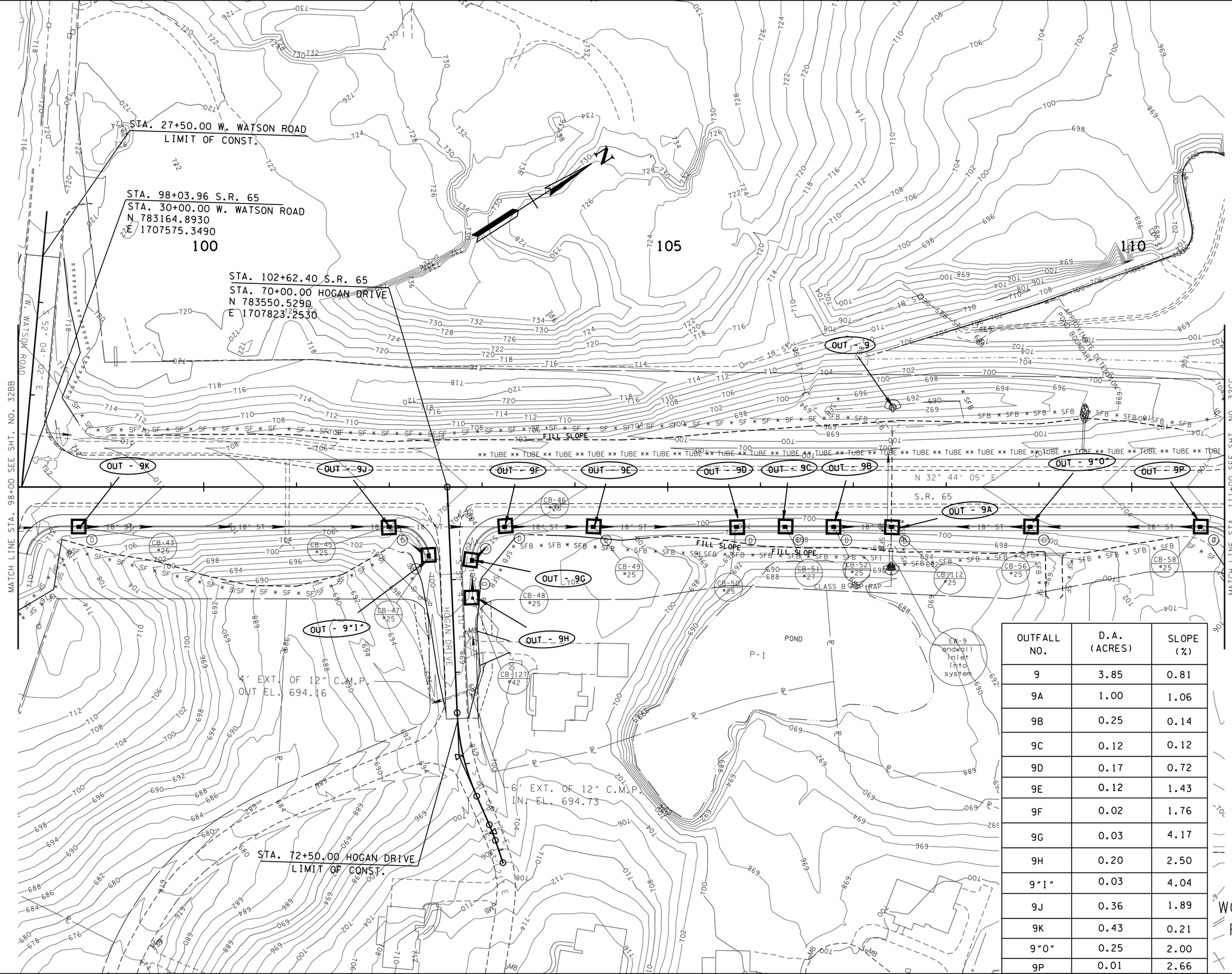
STA. 85+00 TO STA. 98+00

SCALE: 1:50

9-MAY-2015 09:53
C:\RobertsonCountySR65\Robertson SR65\RBSR65_32BB_ErosionControlPhase3.sht

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32CC



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
9	3.85	0.81
9A	1.00	1.06
9B	0.25	0.14
9C	0.12	0.12
9D	0.17	0.72
9E	0.12	1.43
9F	0.02	1.76
9G	0.03	4.17
9H	0.20	2.50
9"I"	0.03	4.04
9J	0.36	1.89
9K	0.43	0.21
9"O"	0.25	2.00
9P	0.01	2.66

WORK ON RIGHT SIDE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 3

STA. 98+00 TO STA.111+00

SCALE: 1:50

9-MAY-2015 09:53
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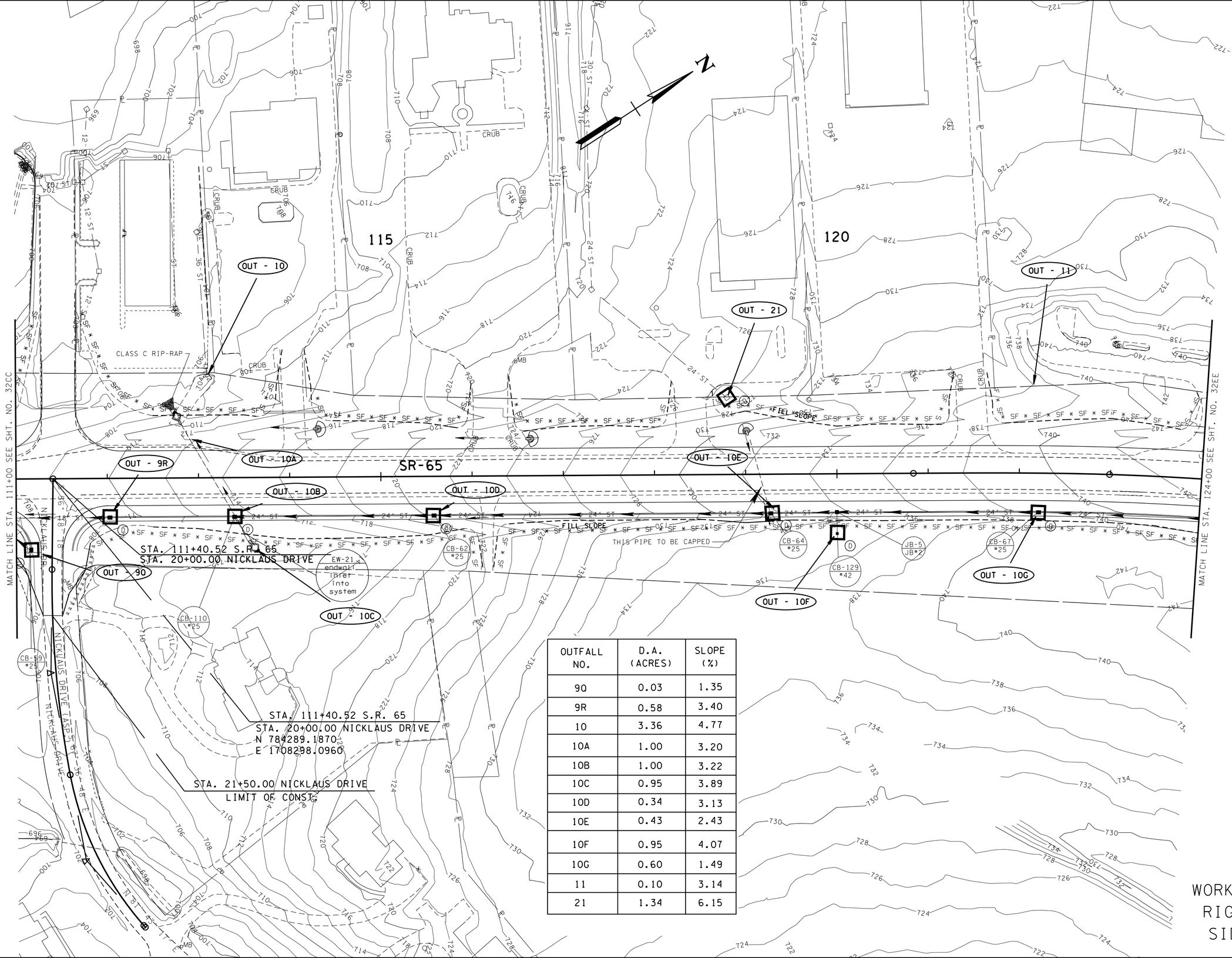
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32DD



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
9Q	0.03	1.35
9R	0.58	3.40
10	3.36	4.77
10A	1.00	3.20
10B	1.00	3.22
10C	0.95	3.89
10D	0.34	3.13
10E	0.43	2.43
10F	0.95	4.07
10G	0.60	1.49
11	0.10	3.14
21	1.34	6.15

WORK ON RIGHT SIDE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 3

STA.111+00 TO STA.124+00

SCALE: 1:50

9-MAY-2015 09:54
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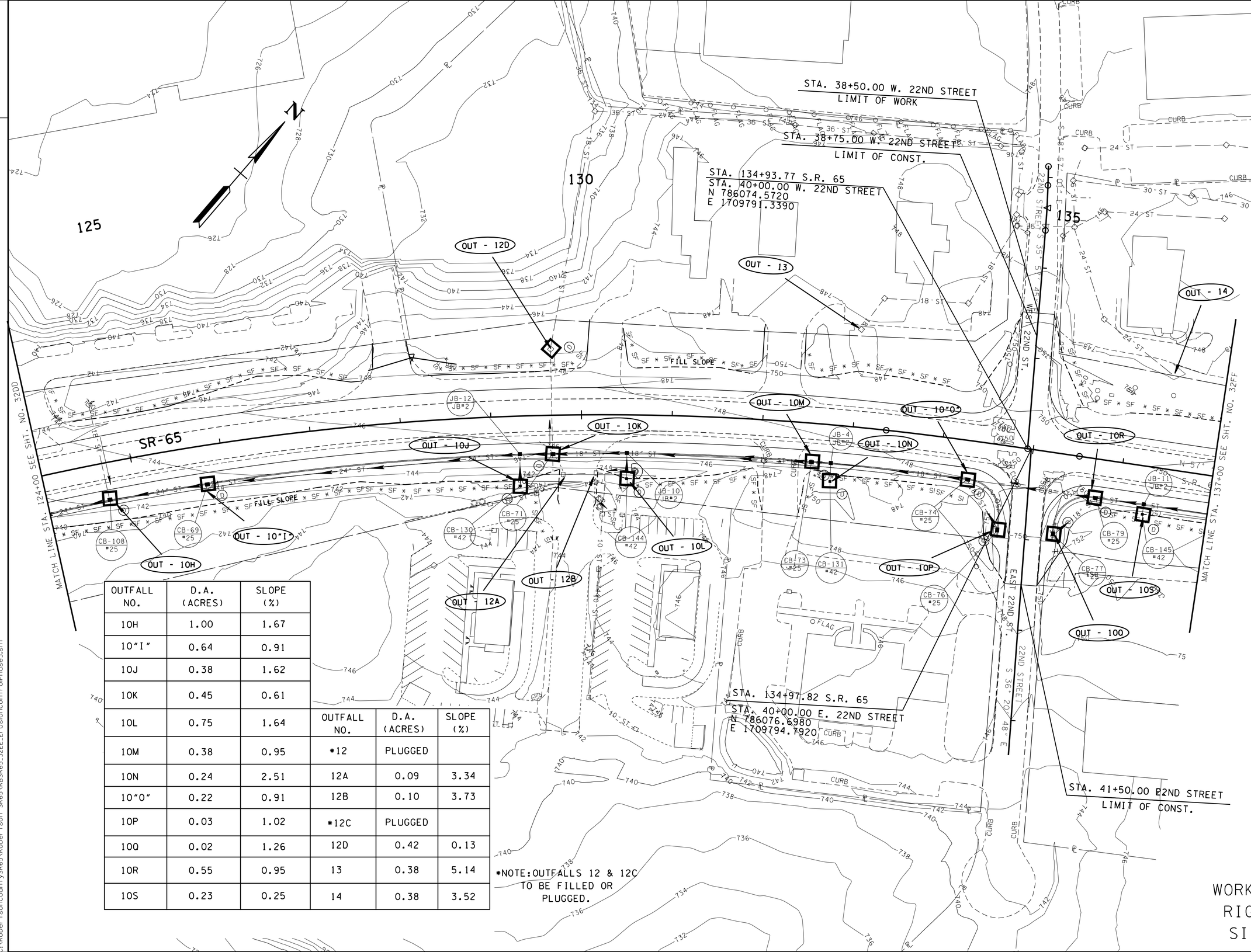
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32EE



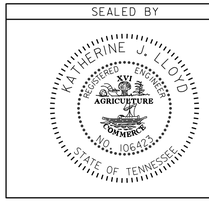
OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
10H	1.00	1.67
10"I"	0.64	0.91
10J	0.38	1.62
10K	0.45	0.61
10L	0.75	1.64
10M	0.38	0.95
10N	0.24	2.51
10"O"	0.22	0.91
10P	0.03	1.02
10Q	0.02	1.26
10R	0.55	0.95
10S	0.23	0.25

OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
*12	PLUGGED	
12A	0.09	3.34
12B	0.10	3.73
*12C	PLUGGED	
12D	0.42	0.13
13	0.38	5.14
14	0.38	3.52

*NOTE: OUTFALLS 12 & 12C TO BE FILLED OR PLUGGED.

WORK ON RIGHT SIDE

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 3

STA.124+00 TO STA.137+00
SCALE: 1:50

9-MAY-2015 09:54
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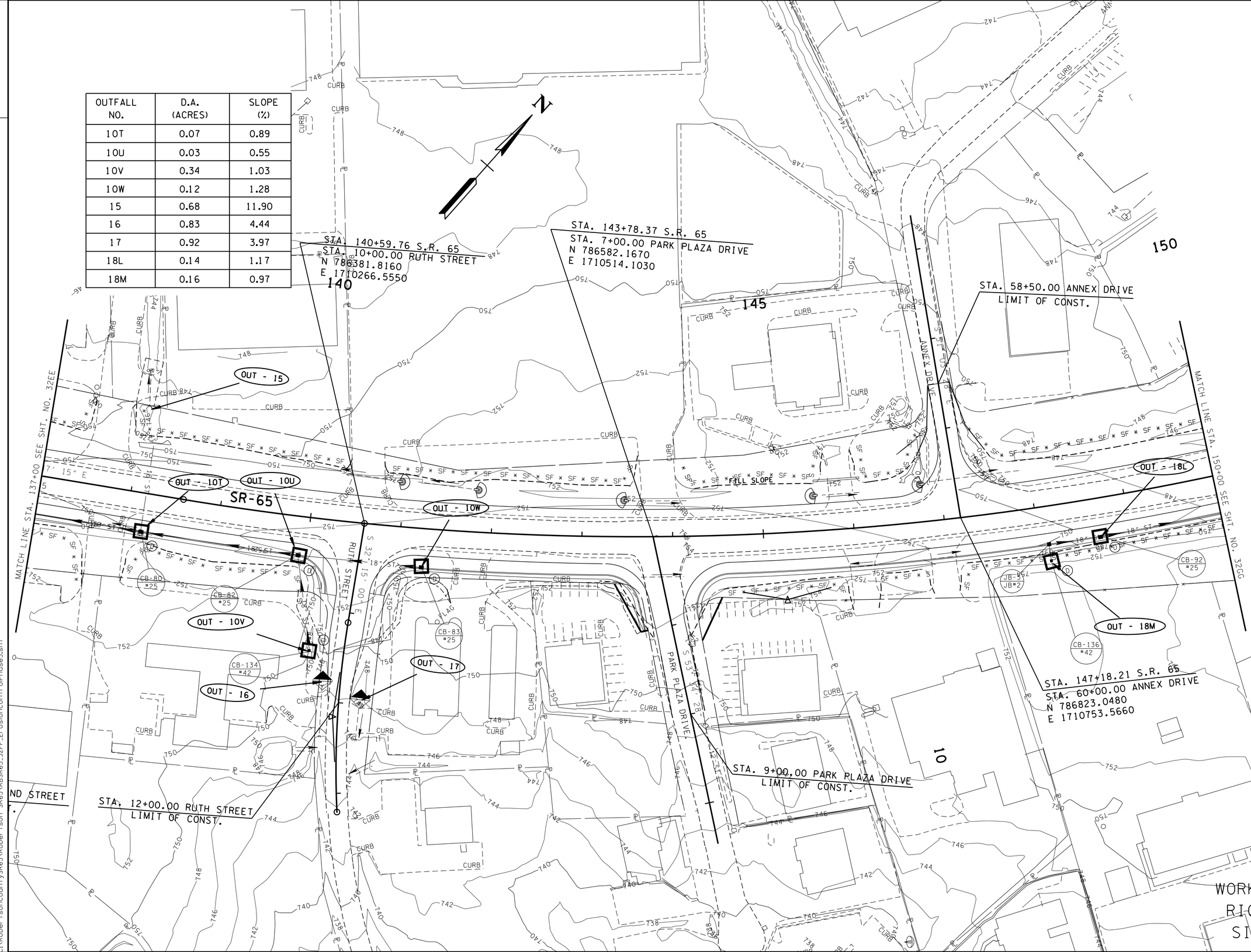
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32FF

OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
10T	0.07	0.89
10U	0.03	0.55
10V	0.34	1.03
10W	0.12	1.28
15	0.68	11.90
16	0.83	4.44
17	0.92	3.97
18L	0.14	1.17
18M	0.16	0.97



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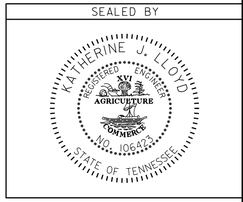


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 3

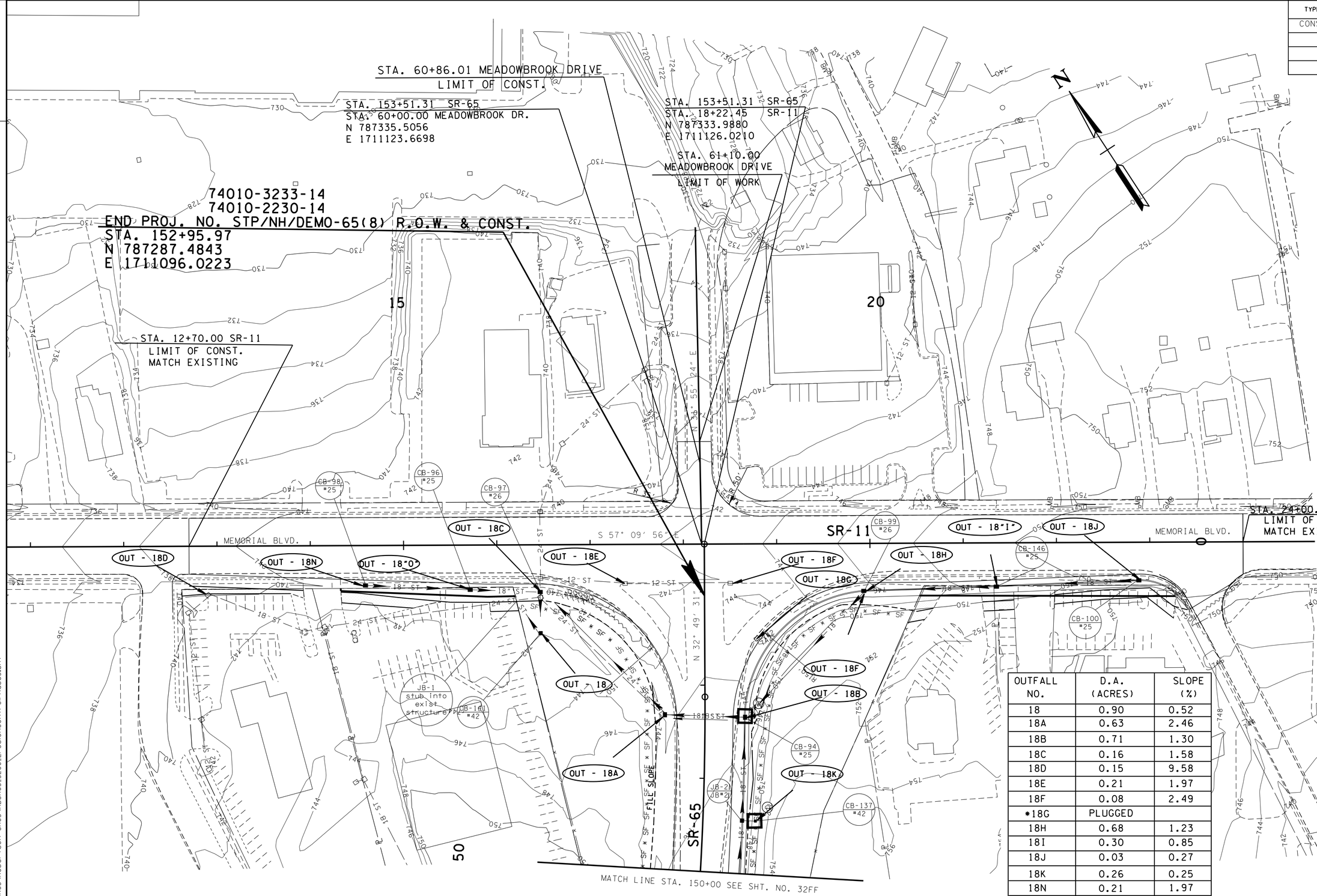
STA.137+00 TO STA.150+00

SCALE: 1:50

9-MAY-2015 09:54
C:\RobertsonCountySR65\Robertson SR65\RBSR65_32FF_ErosionControlPhase3.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32GG

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

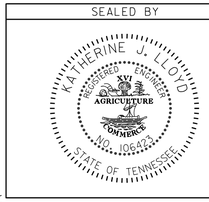


OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
18	0.90	0.52
18A	0.63	2.46
18B	0.71	1.30
18C	0.16	1.58
18D	0.15	9.58
18E	0.21	1.97
18F	0.08	2.49
*18G	PLUGGED	
18H	0.68	1.23
18I	0.30	0.85
18J	0.03	0.27
18K	0.26	0.25
18N	0.21	1.97
18"O"	0.08	2.49

*NOTE: OUTFALL 18G TO BE PLUGGED OR FILLED.

WORK ON RIGHT SIDE

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 3

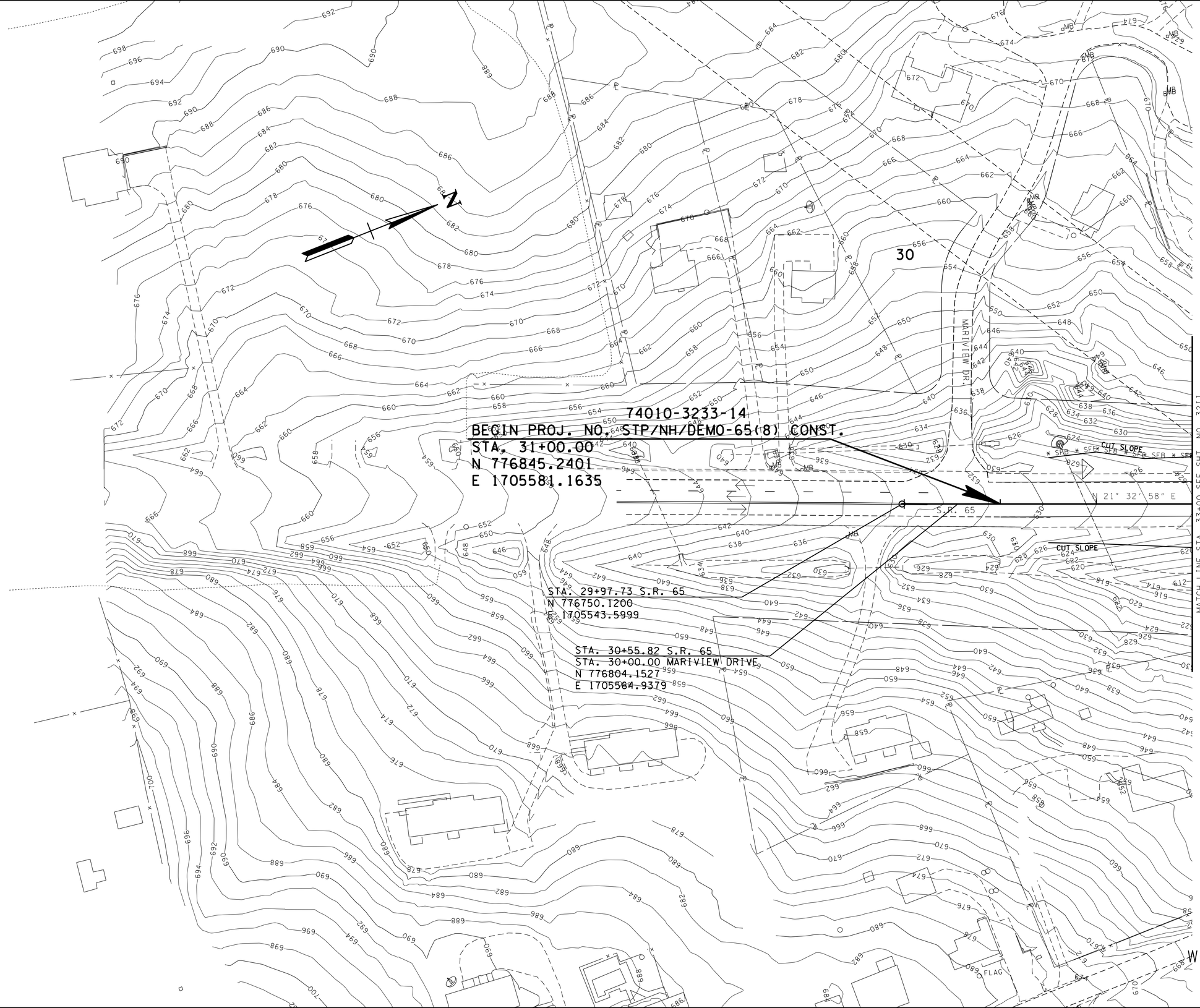
STA.150+00 TO END OF PROJ.

SCALE: 1:50

9-MAY-2015 09:54
C:\RobertsonCountySR65\Robertson SR65\RBSR65_32GG_ErosionControlPhase3.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32HH

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



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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 4

STA. 30+00 TO STA. 33+00
SCALE: 1:50

19-MAY-2015 09:54
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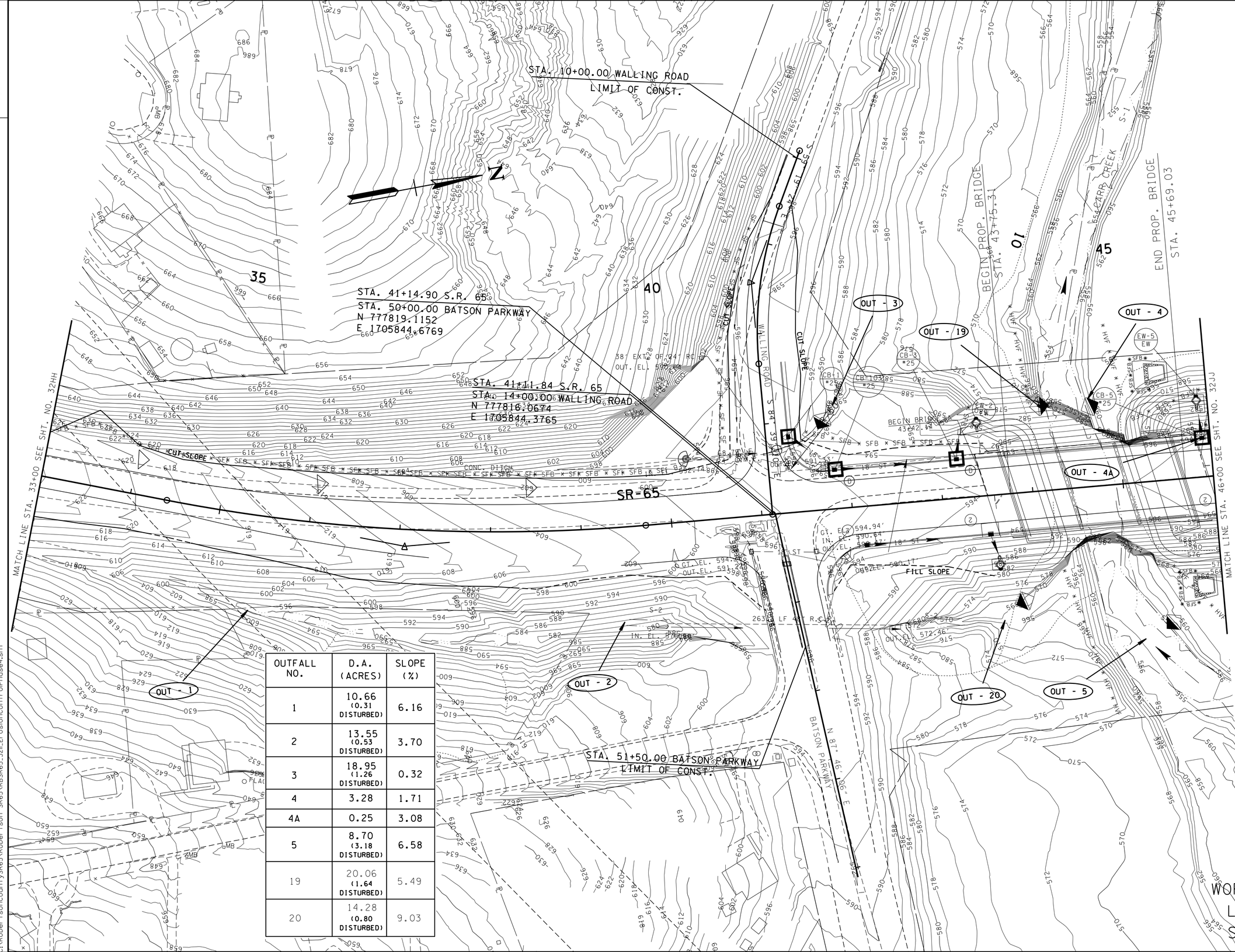
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	321I



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
1	10.66 (0.31 DISTURBED)	6.16
2	13.55 (0.53 DISTURBED)	3.70
3	18.95 (1.26 DISTURBED)	0.32
4	3.28	1.71
4A	0.25	3.08
5	8.70 (3.18 DISTURBED)	6.58
19	20.06 (1.64 DISTURBED)	5.49
20	14.28 (0.80 DISTURBED)	9.03

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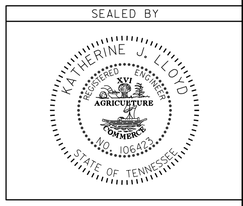


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 4

STA. 33+00 TO STA. 46+00

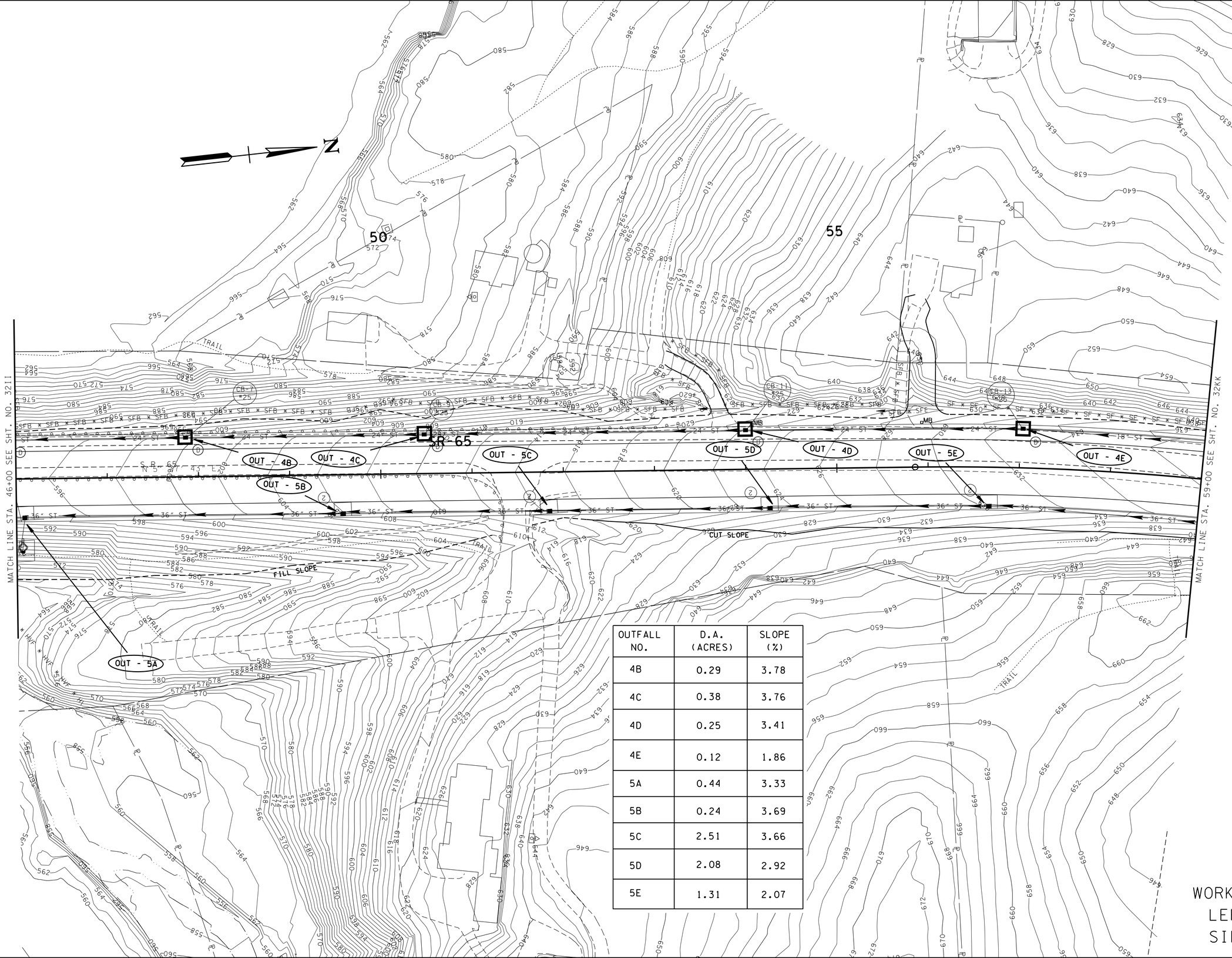
SCALE: 1:50

9-MAY-2015 09:54
C:\RobertsonCountySR65\Robertson SR65\RBSR65_32II_ErosionControlPhase4.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

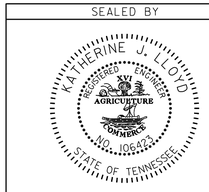
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32JJ



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
4B	0.29	3.78
4C	0.38	3.76
4D	0.25	3.41
4E	0.12	1.86
5A	0.44	3.33
5B	0.24	3.69
5C	2.51	3.66
5D	2.08	2.92
5E	1.31	2.07

WORK ON LEFT SIDE

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 4

STA. 46+00 TO STA. 59+00

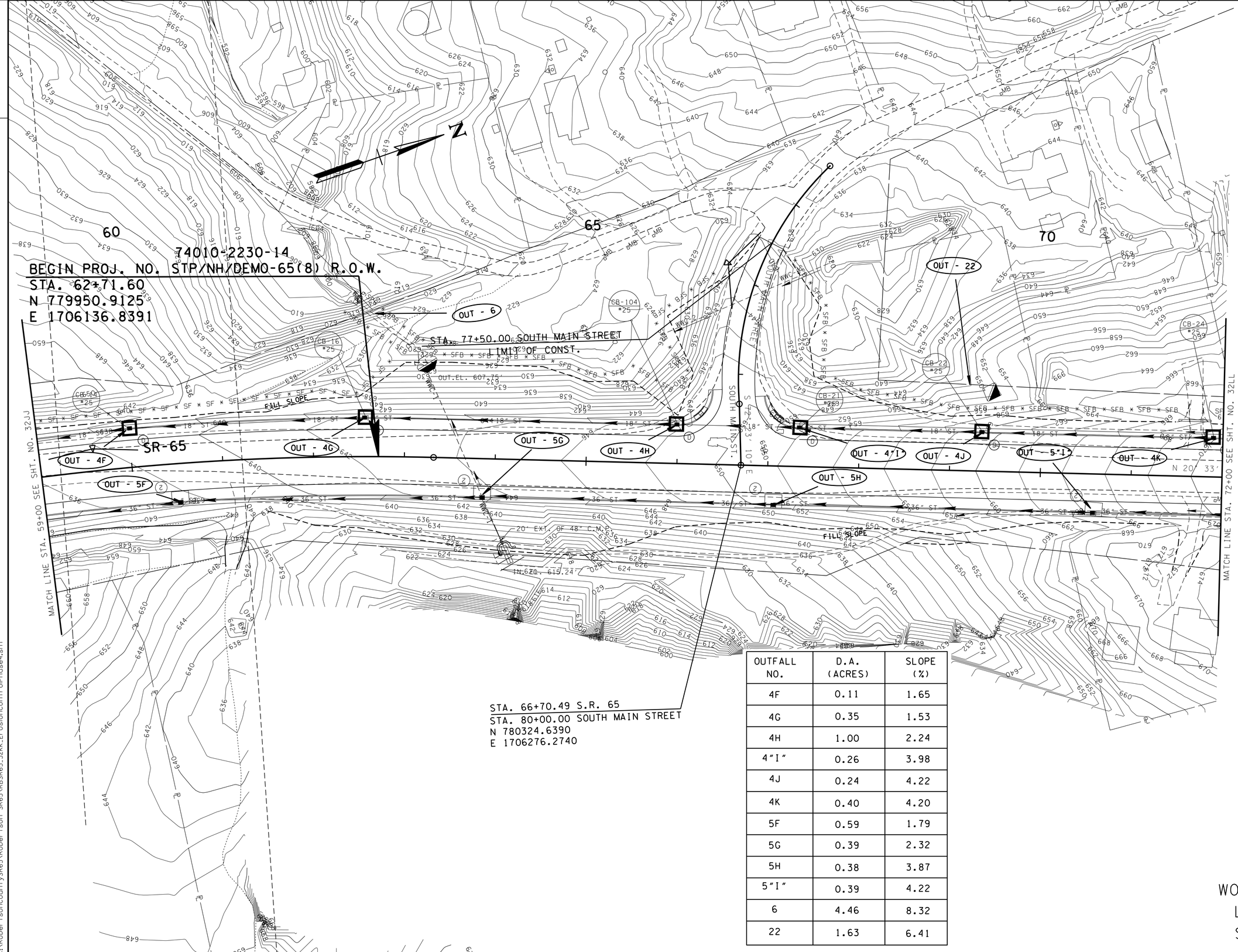
SCALE: 1:50

9-MAY-2015 09:54
c:\RobertsonCountySR65\Robertson SR65\RBSR65.32JJ_ErosionControlPhase4.sht

TENNESSEE D.O.T.
DESIGN DIVISION

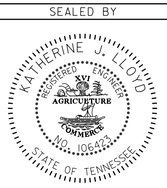
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32KK



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
4F	0.11	1.65
4G	0.35	1.53
4H	1.00	2.24
4"I"	0.26	3.98
4J	0.24	4.22
4K	0.40	4.20
5F	0.59	1.79
5G	0.39	2.32
5H	0.38	3.87
5"I"	0.39	4.22
6	4.46	8.32
22	1.63	6.41

SEALED BY



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 4

STA. 59+00 TO STA. 72+00
SCALE: 1:50

WORK ON LEFT SIDE

9-MAY-2015 09:54
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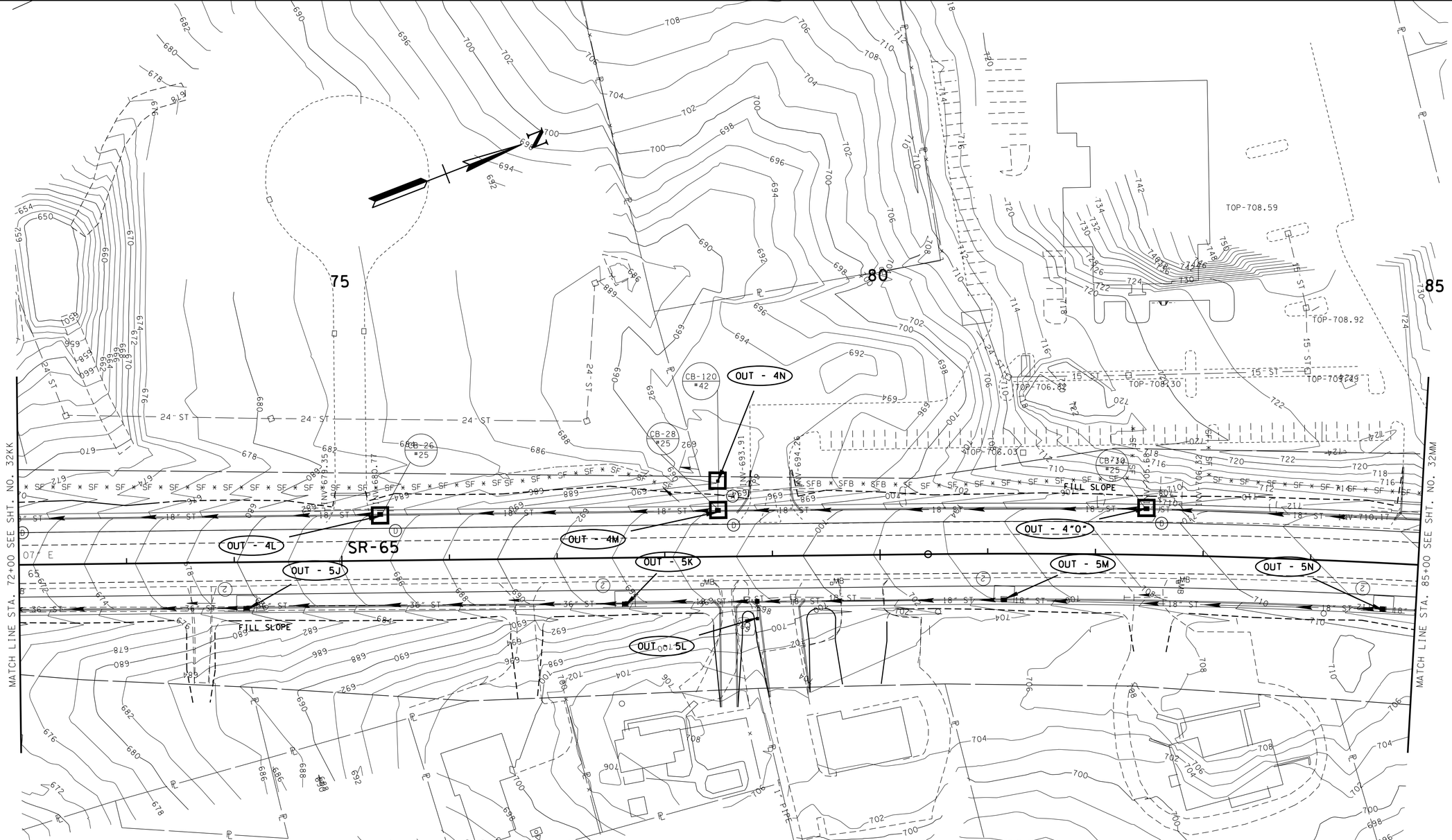
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32LL



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
4L	0.36	3.76
4M	0.27	3.12
4N	1.71	3.67
4"O"	0.13	1.86
5J	0.38	4.00
5K	0.44	3.12
5L	0.97	7.53
5M	0.55	2.21
5N	0.63	1.27

WORK ON LEFT SIDE

SEALED BY

KATHERINE J. LLOYD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 106423
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 4

STA. 72+00 TO STA. 85+00
SCALE: 1:50

9-MAY-2015 09:54
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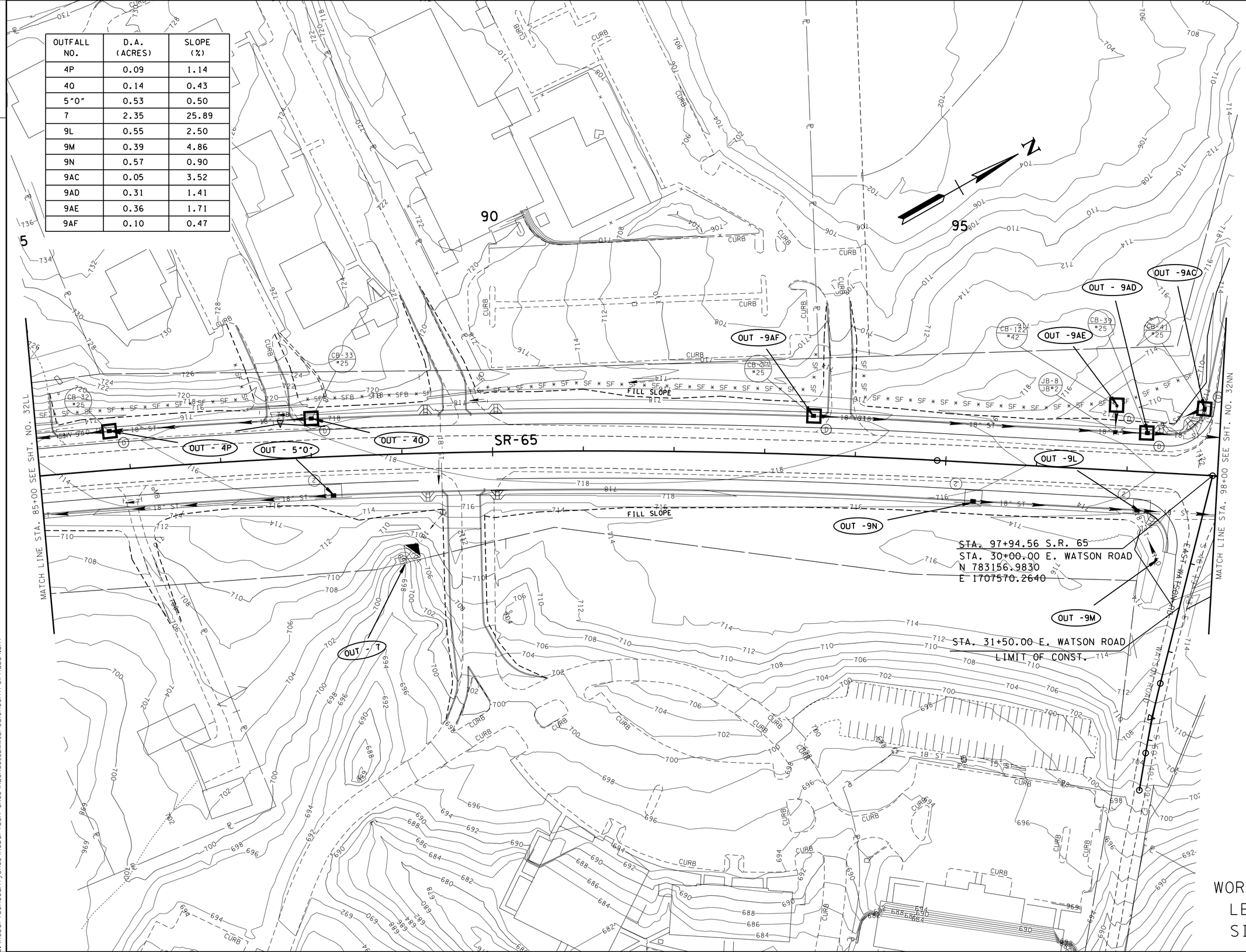
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
4P	0.09	1.14
4Q	0.14	0.43
5"O"	0.53	0.50
7	2.35	25.89
9L	0.55	2.50
9M	0.39	4.86
9N	0.57	0.90
9AC	0.05	3.52
9AD	0.31	1.41
9AE	0.36	1.71
9AF	0.10	0.47

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32MM



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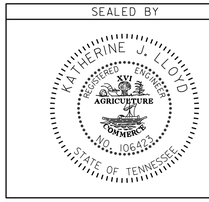

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 4

STA. 85+00 TO STA. 98+00
SCALE: 1:50

9-MAY-2015 09:54
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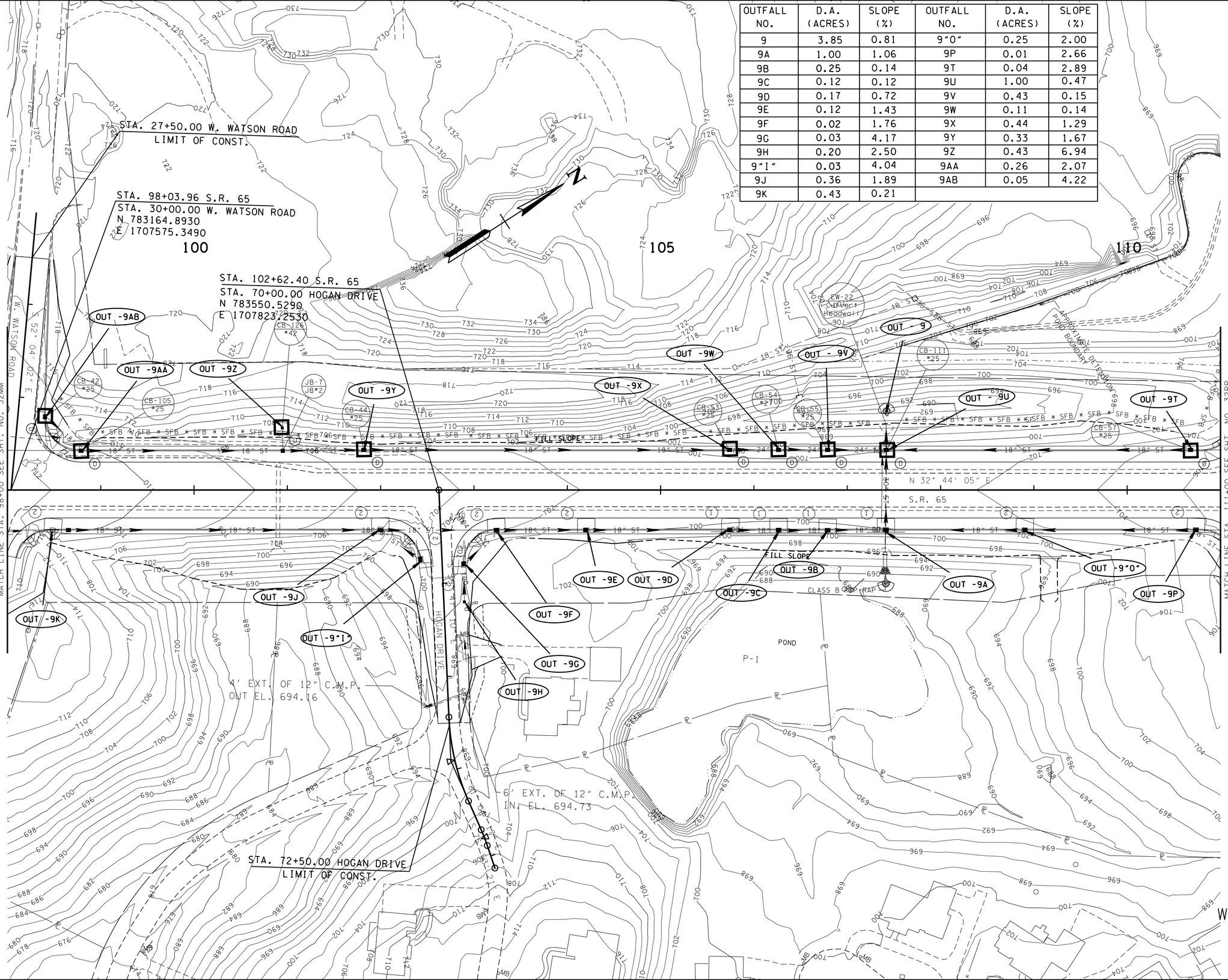
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32NN

OUTFALL NO.	D.A. (ACRES)	SLOPE (%)	OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
9	3.85	0.81	9"O"	0.25	2.00
9A	1.00	1.06	9P	0.01	2.66
9B	0.25	0.14	9T	0.04	2.89
9C	0.12	0.12	9U	1.00	0.47
9D	0.17	0.72	9V	0.43	0.15
9E	0.12	1.43	9W	0.11	0.14
9F	0.02	1.76	9X	0.44	1.29
9G	0.03	4.17	9Y	0.33	1.67
9H	0.20	2.50	9Z	0.43	6.94
9"I"	0.03	4.04	9AA	0.26	2.07
9J	0.36	1.89	9AB	0.05	4.22
9K	0.43	0.21			



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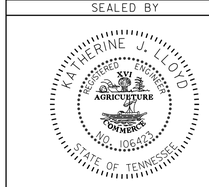

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 4

STA. 98+00 TO STA.111+00

SCALE: 1:50

9-MAY-2015 09:54
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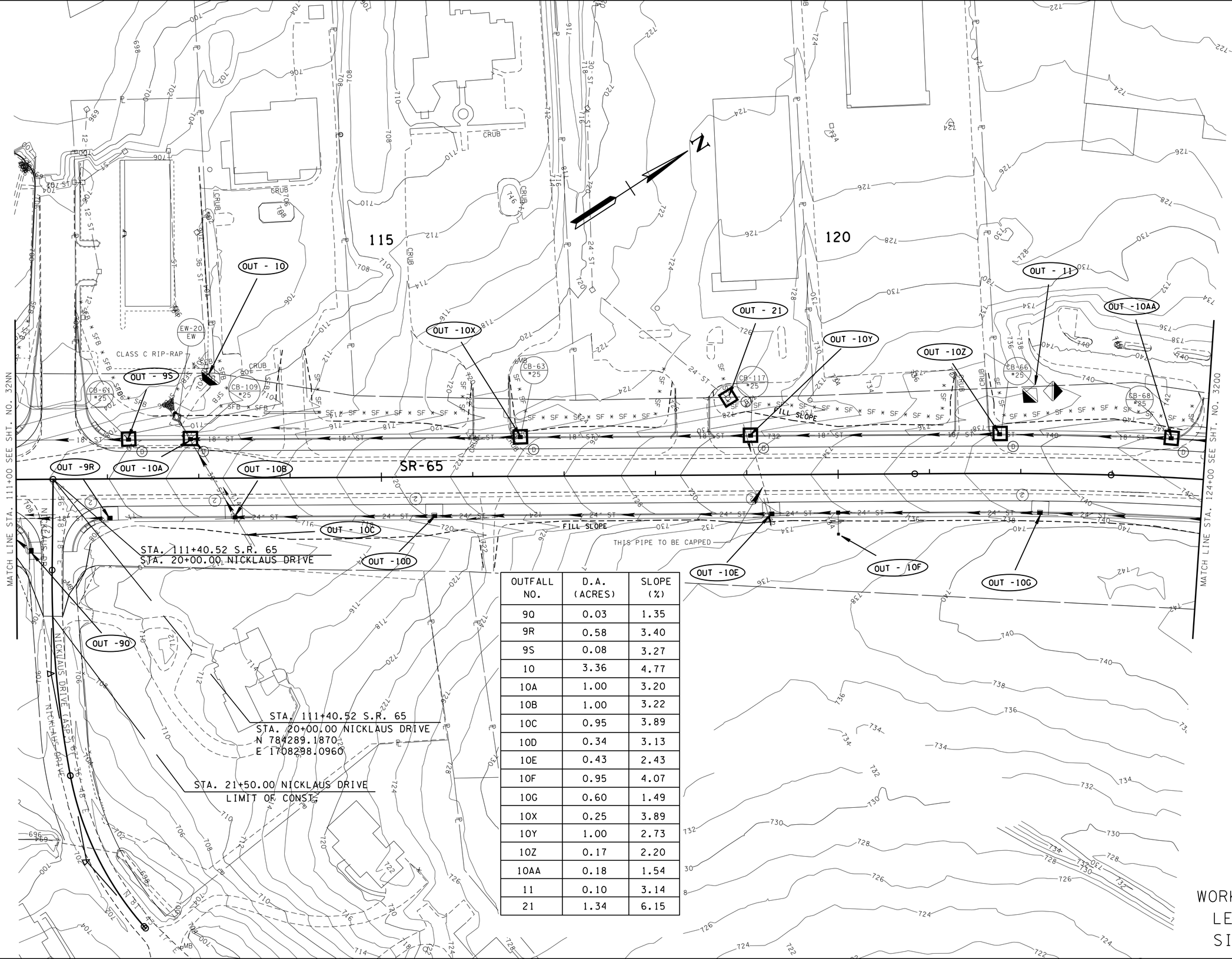
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32PP



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
9Q	0.03	1.35
9R	0.58	3.40
9S	0.08	3.27
10	3.36	4.77
10A	1.00	3.20
10B	1.00	3.22
10C	0.95	3.89
10D	0.34	3.13
10E	0.43	2.43
10F	0.95	4.07
10G	0.60	1.49
10X	0.25	3.89
10Y	1.00	2.73
10Z	0.17	2.20
10AA	0.18	1.54
11	0.10	3.14
21	1.34	6.15

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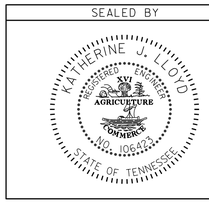
SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 4

STA.111+00 TO STA.124+00

SCALE: 1:50

9-MAY-2015 09:54
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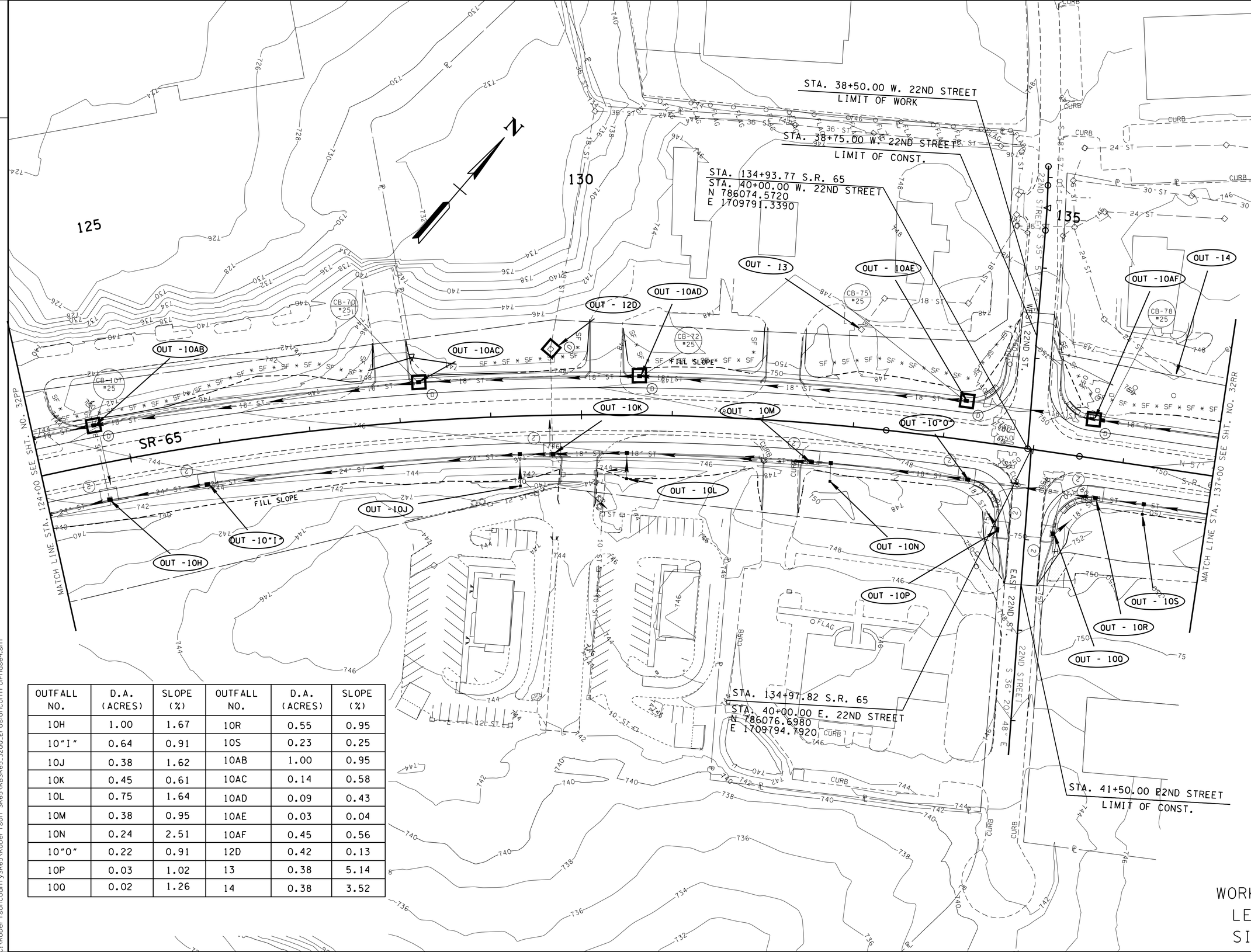
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	3200



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)	OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
10H	1.00	1.67	10R	0.55	0.95
10"I"	0.64	0.91	10S	0.23	0.25
10J	0.38	1.62	10AB	1.00	0.95
10K	0.45	0.61	10AC	0.14	0.58
10L	0.75	1.64	10AD	0.09	0.43
10M	0.38	0.95	10AE	0.03	0.04
10N	0.24	2.51	10AF	0.45	0.56
10"O"	0.22	0.91	12D	0.42	0.13
10P	0.03	1.02	13	0.38	5.14
10Q	0.02	1.26	14	0.38	3.52

WORK ON LEFT SIDE

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DEPARTMENT OF TRANSPORTATION

EPSC STAGE 4

STA.124+00 TO STA.137+00
SCALE: 1:50

9-MAY-2015 09:54
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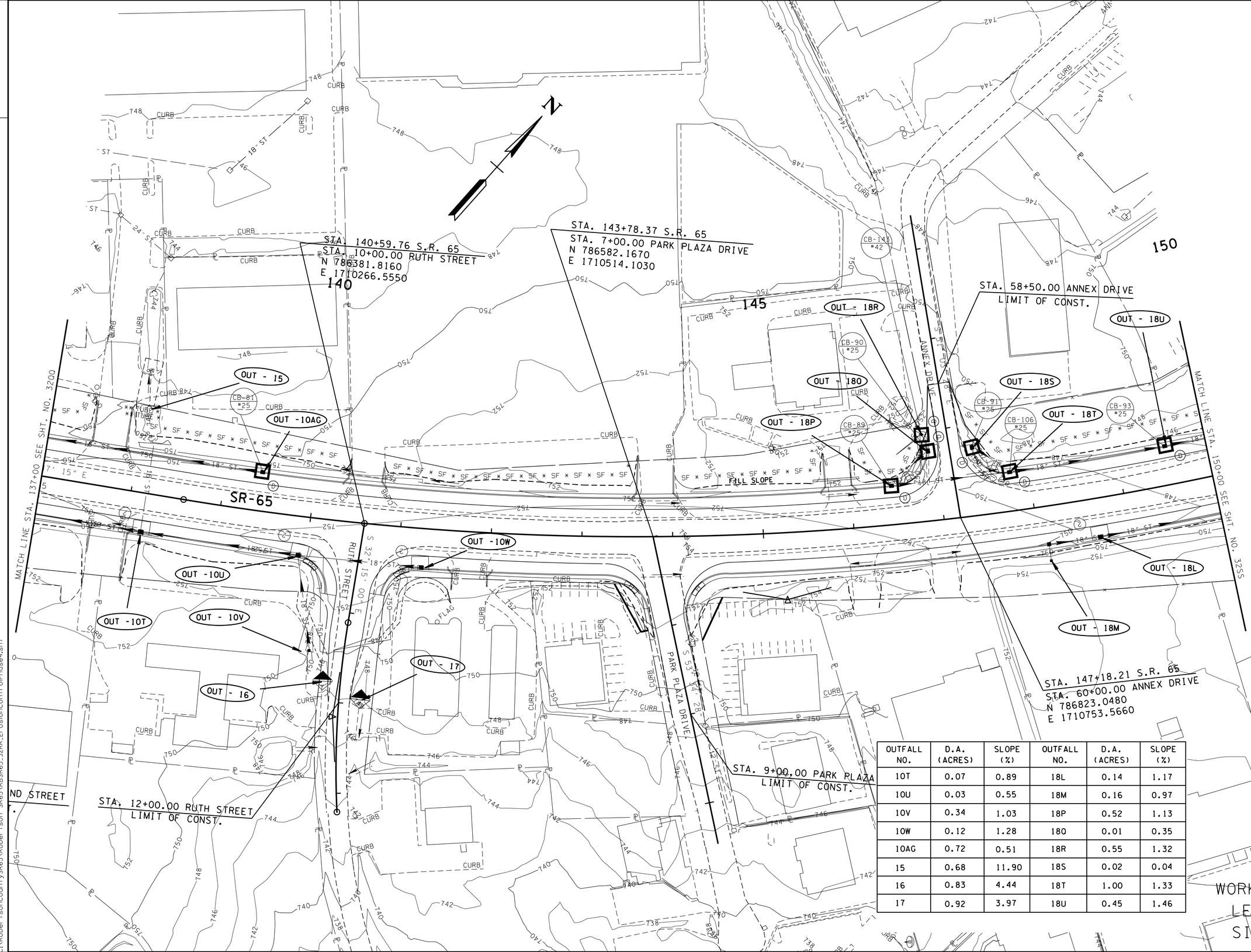
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	32RR



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)	OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
10T	0.07	0.89	18L	0.14	1.17
10U	0.03	0.55	18M	0.16	0.97
10V	0.34	1.03	18P	0.52	1.13
10W	0.12	1.28	18O	0.01	0.35
10AG	0.72	0.51	18R	0.55	1.32
15	0.68	11.90	18S	0.02	0.04
16	0.83	4.44	18T	1.00	1.33
17	0.92	3.97	18U	0.45	1.46

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KATHERINE J. LLOYD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 106423
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 4

STA.137+00 TO STA.150+00

SCALE: 1:50

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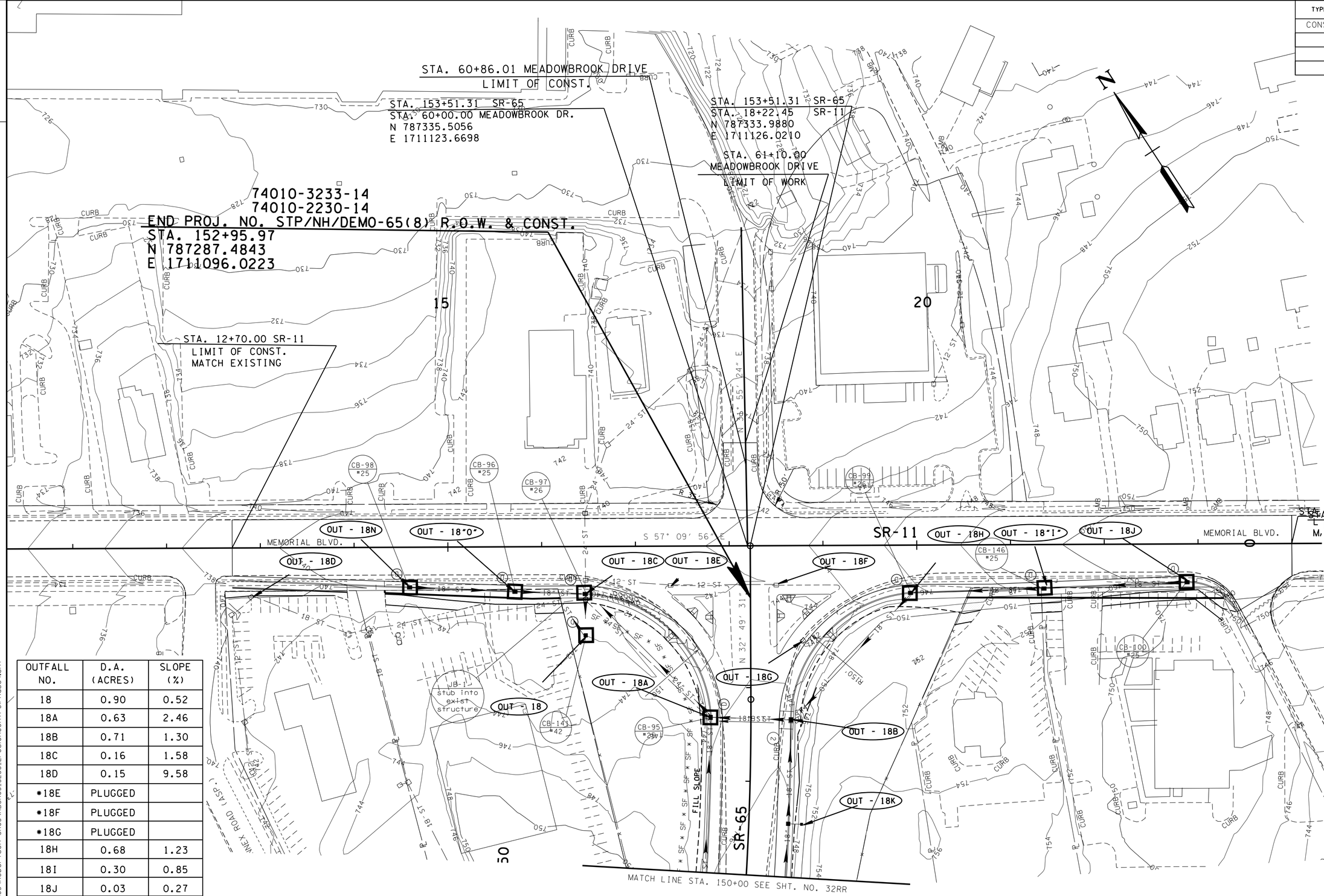
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8	32SS



OUTFALL NO.	D.A. (ACRES)	SLOPE (%)
18	0.90	0.52
18A	0.63	2.46
18B	0.71	1.30
18C	0.16	1.58
18D	0.15	9.58
*18E	PLUGGED	
*18F	PLUGGED	
*18G	PLUGGED	
18H	0.68	1.23
18I	0.30	0.85
18J	0.03	0.27
18K	0.26	0.25
18N	0.21	1.97
18"O"	0.08	2.49

*NOTE: OUTFALL 18E, 18F & 18G TO BE FILLED OR PLUGGED.

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC STAGE 4

STA.150+00 TO END OF PROJ.

SCALE: 1:50

9-MAY-2015 09:54
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	33

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

(1) DIFFERENCE IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES OR TRAFFIC LANE AND SHOULDER WHERE THE TRAFFIC LANE IS BEING USED BY TRAFFIC, CAUSED BY BASE, PAVING OR RESURFACING:

(2) DIFFERENCE IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 0.75 INCH AND NOT EXCEEDING 2 INCHES:

A. WARNING SIGNS, UNEVEN PAVEMENT (W8-11) AND/OR SHOULDER DROP-OFF (W8-9A), SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

B. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY ADDED PAVEMENT SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

C. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY COLD PLANING SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

D. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE TRAFFIC LANE BEING UTILIZED BY TRAFFIC AND SHOULDER THE DIFFERENCE IN ELEVATION SHALL BE ELIMINATED WITHIN 7 WORKDAYS AFTER THE CONDITION IS CREATED.

(3) DIFFERENCE IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 2 INCHES AND NOT EXCEEDING 6 INCHES. TRAFFIC IS NOT TO BE ALLOWED TO TRAVERSE THIS DIFFERENCE IN ELEVATION.

A. SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

1. WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

2. WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES-PER-HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

B. IF THE DIFFERENCE IN ELEVATION IS ELIMINATED OR DECREASED TO 2 INCHES OR LESS BY THE END OF EACH DAY'S WORK, CONES MAY BE USED DURING DAYLIGHT HOURS IN LIEU OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES MENTIONED IN PARAGRAPH A, PROVIDED WARNING SIGNS ARE ERECTED. WARNING SIGNS (UNEVEN PAVEMENT AND/OR LOW SHOULDER) SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

C. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE THRU TRAFFIC LANE AND THE SHOULDER AND THE ELEVATION DIFFERENCE IS LESS THAN 3-1/2 INCHES, THE CONTRACTOR MAY USE WARNING SIGNS AND/OR PROTECTIVE DEVICES AS APPLICABLE AND APPROVED BY THE ENGINEER. SEE PARAGRAPH A REGARDING USE OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES. WARNING SIGNS (UNEVEN PAVEMENT AND/OR LOW SHOULDER) WILL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING TWO MILES IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

(4) DIFFERENCE IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 6 INCHES BUT NOT EXCEEDING 18 INCHES, THE CONTRACTOR, WITH THE ENGINEER'S APPROVAL, MAY UTILIZE ONE OF THE FOLLOWING:

A. THE CONTRACTOR SHALL ACCOMPLISH SEPARATION BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

1. WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

2. WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

IN ORDER TO USE THIS METHOD, THE CONTRACTOR MUST REDUCE THE DIFFERENCE IN ELEVATION TO 6 INCHES OR LESS BY THE END OF THE WORKDAY THAT THE CONDITION IS CREATED.

B. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH A, AND CONSTRUCT A STONE WEDGE WITH A 4:1 SLOPE, OR FLATTER, TO ELIMINATE THE VERTICAL OFFSET IF THE LOWER ELEVATION IS AT OR BELOW SUBGRADE AT THE END OF EACH DAY.

C. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH A, AND IF THE LOWER ELEVATION IS BASE STONE OR ASPHALT PAVEMENT, PLACEMENT OF SUBSEQUENT LAYERS OF PAVEMENT MUST BEGIN THE NEXT WORK DAY AND PROGRESS CONTINUOUSLY UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED OR REDUCED TO SIX INCHES OR LESS.

D. THE CONTRACTOR SHALL PROVIDE SEPARATION BY PORTABLE BARRIER RAIL.

FOR PRECEDING CONDITIONS A, B, AND C, THE CONTRACTOR SHALL USE THE SHOULDER DROP-OFF WARNING SIGN (W8-9A). IT SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN THE SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING ONE MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

(5) DIFFERENCE IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 18 INCHES.

SEPARATION WILL BE PROVIDED BY USE OF PORTABLE BARRIER RAIL.

IN THIS SITUATION, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING ONE MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

(6) DIFFERENCE IN ELEVATION IS WITHIN 30 FEET OF THE NEAREST TRAFFIC LANE BEING USED BY TRAFFIC CAUSED BY GRADING, EXCAVATION FOR UTILITIES, DRAINAGE STRUCTURES, UNDERCUTTING, ETC.

(7) DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN ¾ INCH AND NOT EXCEEDING 2 INCHES.

(8) WARNING SIGNS (UNEVEN PAVEMENT AND/OR LOW SHOULDER) SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

(9) DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 2 INCHES AND NOT EXCEEDING 6 INCHES:

A. SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

1. WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

2. WHERE POSTED SPEEDS ARE LESS THAN 50 MPH THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

(10) DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 6 INCHES:

A. SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

1. WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

2. WHERE POSTED SPEEDS ARE LESS THAN 50 MPH THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

B. ELIMINATE VERTICAL OFFSET BY CONSTRUCTING A STONE WEDGE OR GRADING TO A 4:1 SLOPE, OR FLATTER, OR USE PORTABLE BARRIER RAIL.

THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE WITHIN EIGHT (8) FEET OF A TRAFFIC LANE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE IS ELIMINATED.

(11) DIFFERENCE IN ELEVATION IS FARTHER THAN 8 FEET FROM THE NEAREST TRAFFIC LANE BUT NOT MORE THAN 30 FEET FROM THE NEAREST TRAFFIC LANE: SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

A. WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

B. WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE IS ELIMINATED.

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DEPARTMENT OF TRANSPORTATION

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

09-MAY-2015 09:54
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	33A

TRAFFIC CONTROL PHASING NOTES:

PHASE 1
-PLACEMENT OF ADVANCED WARNING SIGNS. THESE SIGNS ARE TO REMAIN IN PLACE THROUGHOUT EACH PHASE.

PHASE 2
-SHOULDER STABILIZATION IN ORDER TO MOVE TRAFFIC TO LEFT SIDE OF ROADWAY.

PHASE 3
-WORK ON RIGHT SIDE OF PROPOSED ROADWAY. TRAFFIC TO RUN ON LEFT SIDE OF EXISTING ROADWAY.
-SIDE ROADS WITH NEW ALIGNMENT TO BE CONSTRUCTED IN THIS PHASE.
-MAINTAIN SIDE ROAD & DRIVEWAY ACCESS.

PHASE 4
-WORK ON LEFT SIDE OF PROPOSED ROADWAY. TRAFFIC TO RUN ON FINISHED ROADWAY ON RIGHT.
-CONSTRUCT HORIZONTAL TIE-INS BY REDUCING TRAFFIC TO ONE LANE AS SHOWN IN T-WZ-36 AND SCARIFYING AND SEEDING THE PREVIOUS ALIGNMENT.
-MAINTAIN SIDEROAD & DRIVEWAY ACCESS.

TRAFFIC CONTROL LEGEND

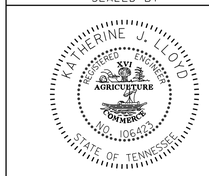
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	TEMPORARY BARRICADE (TYPE III)
A	WARNING LIGHT (TYPE A) (LOW-INTENSITY FLASHING) *
	PORTABLE BARRIER RAIL (WITH * BARRIER RAIL DELINEATORS)
	ARROW BOARD TYPE C
	CHANGEABLE MESSAGE SIGN *

* TO BE USED WHERE & AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	ITEM NO. 712-06 (S.F.)	SIZE	M.U.T.C.D. NO.	REMARKS
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	3				
712-01	TRAFFIC CONTROL	LS	1				
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	1000				
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	400				
712-04.50	PORTABLE BARRIER RAIL DELINEATOR	EACH	10				
712-05.01	WARNING LIGHTS (TYPE A)	EACH	200				
712-05.03	WARNING LIGHTS (TYPE C)	EACH	50				
712-06	SIGNS (CONSTRUCTION)	S.F.					
	SHOULDER WORK		2	18	36" X 36"	W21-5	
	ROAD WORK 1 MILE		1	9	36" X 36"	W20-1	
	ROAD WORK 1/2 MILE		1	9	36" X 36"	W20-1	
	ROAD WORK 1500 FT		1	9	36" X 36"	W20-1	
	ROAD WORK AHEAD		18	162	36" X 36"	W20-1	
	ROAD WORK NEXT 3 MILES		1	4.5	36" X 18"	G20-1	
	END ROAD WORK		19	85.5	36" X 18"	G20-2	
	LANE SHIFT 500 FT		1	9	36" X 36"	W1-4B (MOD.)	
	LANE SHIFT AHEAD		4	36	36" X 36"	W1-4B	
	SHIFT ARROW LEFT-SYMBOL		1	9	36" X 36"	W1-4BL	
	SHIFT ARROW RIGHT-SYMBOL		2	18	36" X 36"	W1-4BR	
	ROAD CLOSED		6	60	48" X 30"	R11-2	
	LANE CLOSED MERGE LEFT-SYMBOL		1	9	36" X 36"	W4-2	
	LANE CLOSED MERGE RIGHT-SYMBOL		1	9	36" X 36"	W4-2	
	35 MPH SPEED ADVISORY PLATE		3	12	24" X 24"	W13-1P	
	FLAGGER-SYMBOL		9	81	36" X 36"	W20-7	
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	190				
712-08.03	ARROW BOARD (TYPE C)	EACH	3				
713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	4				
716-01.05	TEMPORARY RAISED PAVEMENT MARKERS	EACH	170				
716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	16				
TOTAL				**522**			

SEALED BY

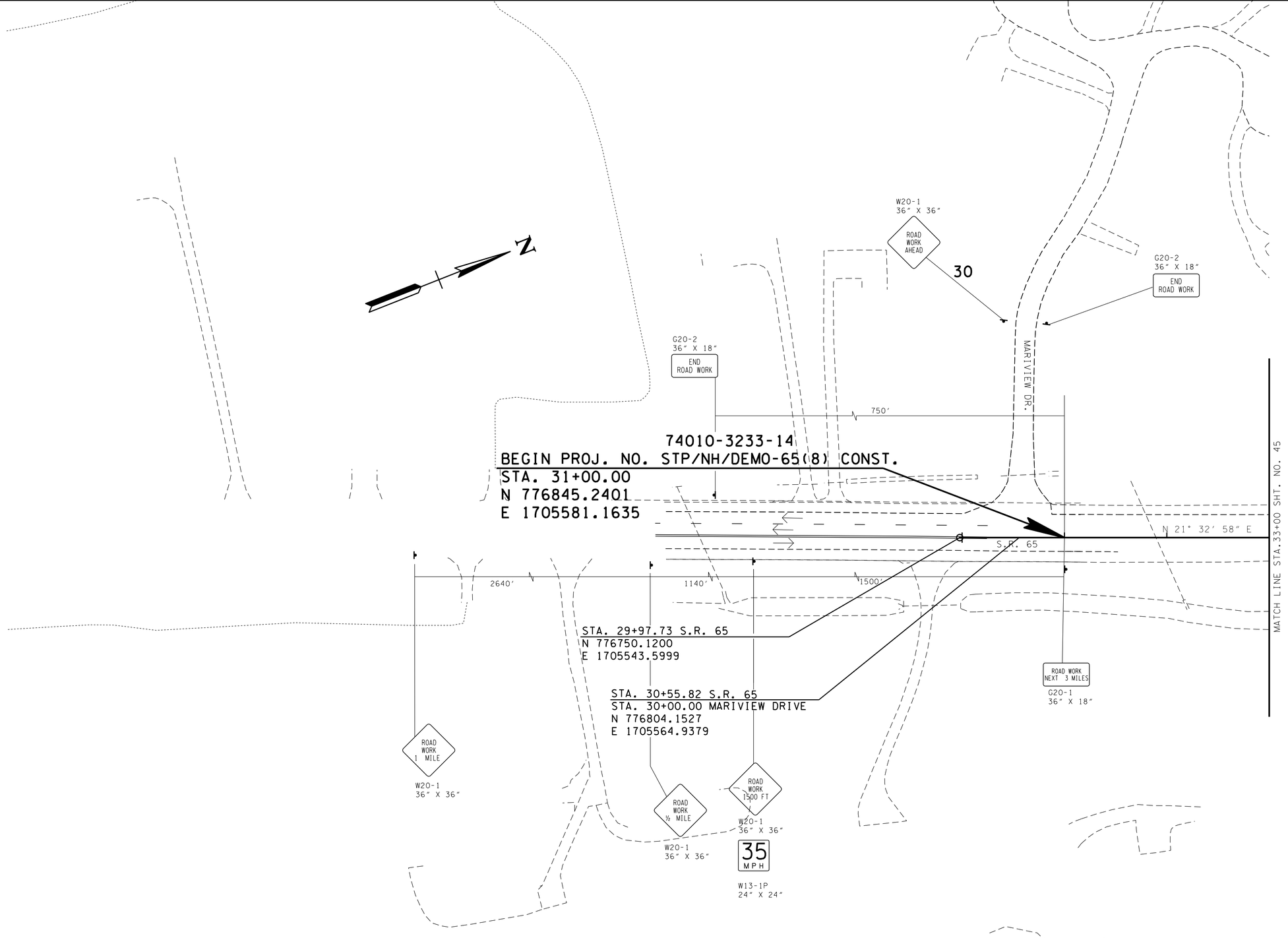


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL NOTES, LEGEND, & QUANTITIES

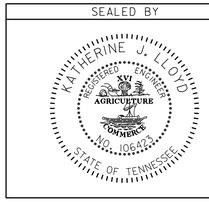
19-MAY-2015 09:55
C:\RobertsonCountySR65\Robertson SR65\RBSR65_33_TrafficControlNotes.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34



NOTE: ALL ADVANCED WARNING SIGNS WILL REMAIN IN PLACE THROUGHOUT EACH TRAFFIC CONTROL PHASE

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

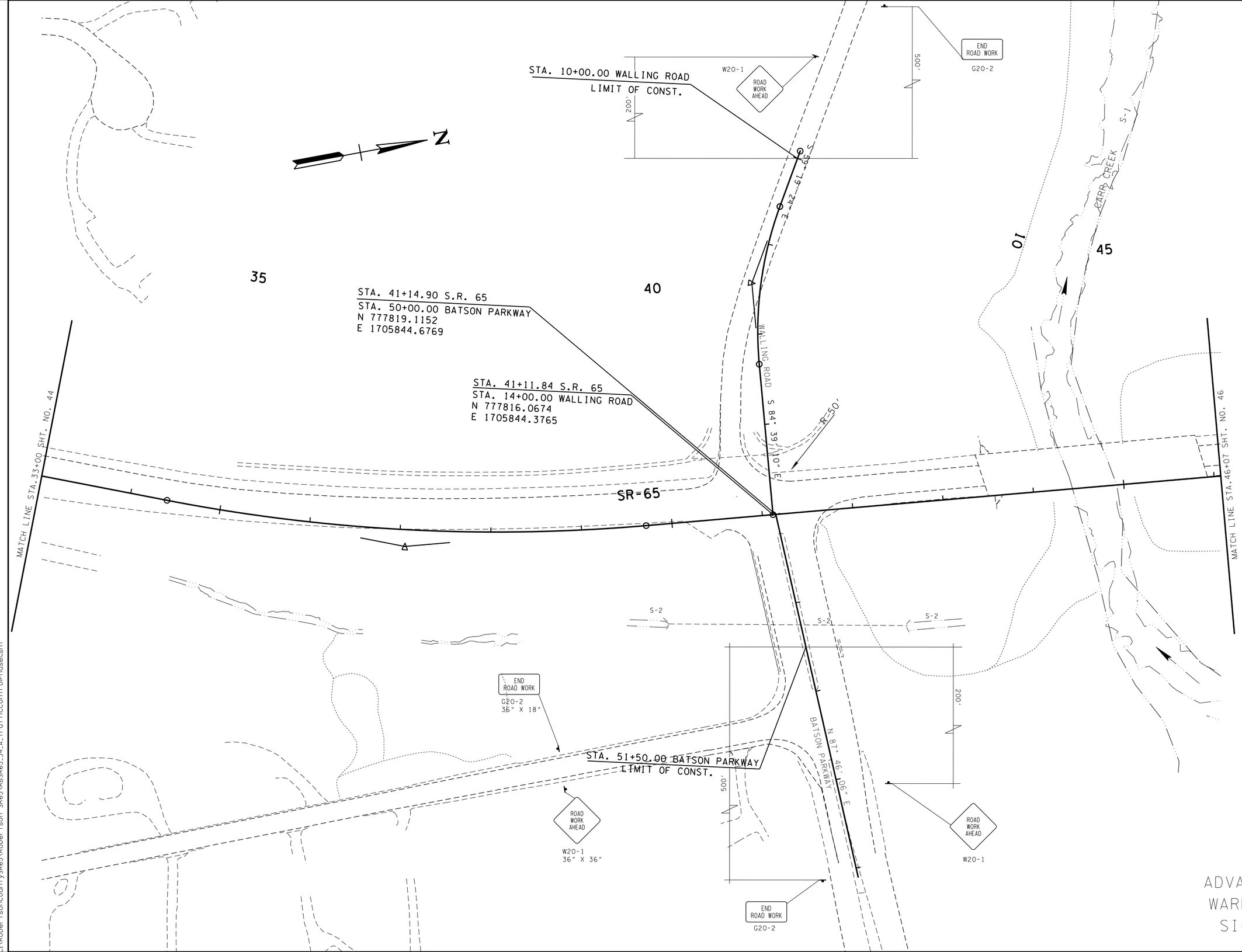
TRAFFIC CONTROL PLAN PHASE 1

STA. 30+00 TO STA. 33+00

SCALE: 1"= 50'

9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34_TrafficControlPhase1.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34A



ADVANCED WARNING SIGNS

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

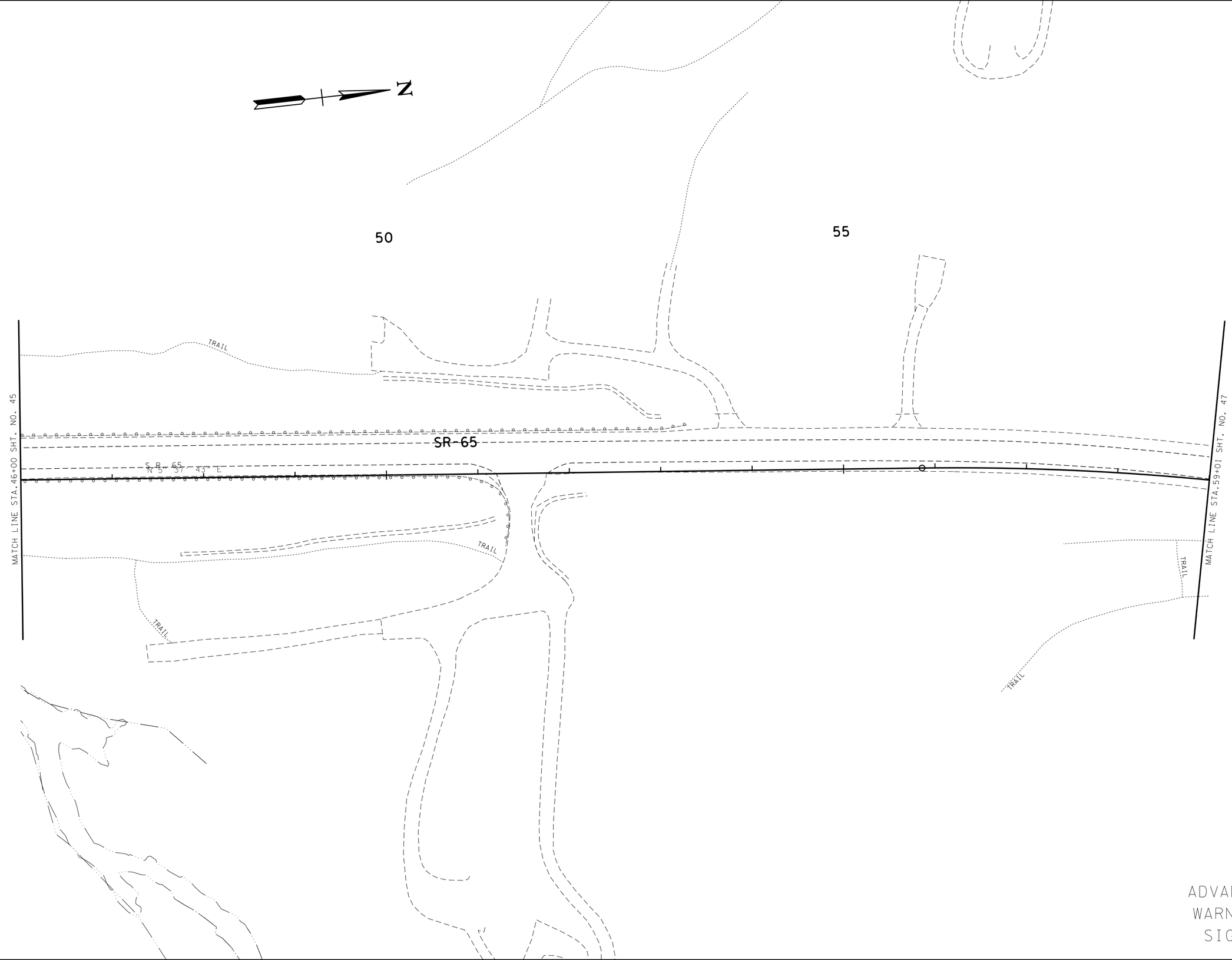
TRAFFIC CONTROL PLAN PHASE 1

STA. 33+00 TO STA. 46+00

SCALE: 1"= 50'

9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34_A_TrafficControlPhase1.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34B



ADVANCED
WARNING
SIGNS

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

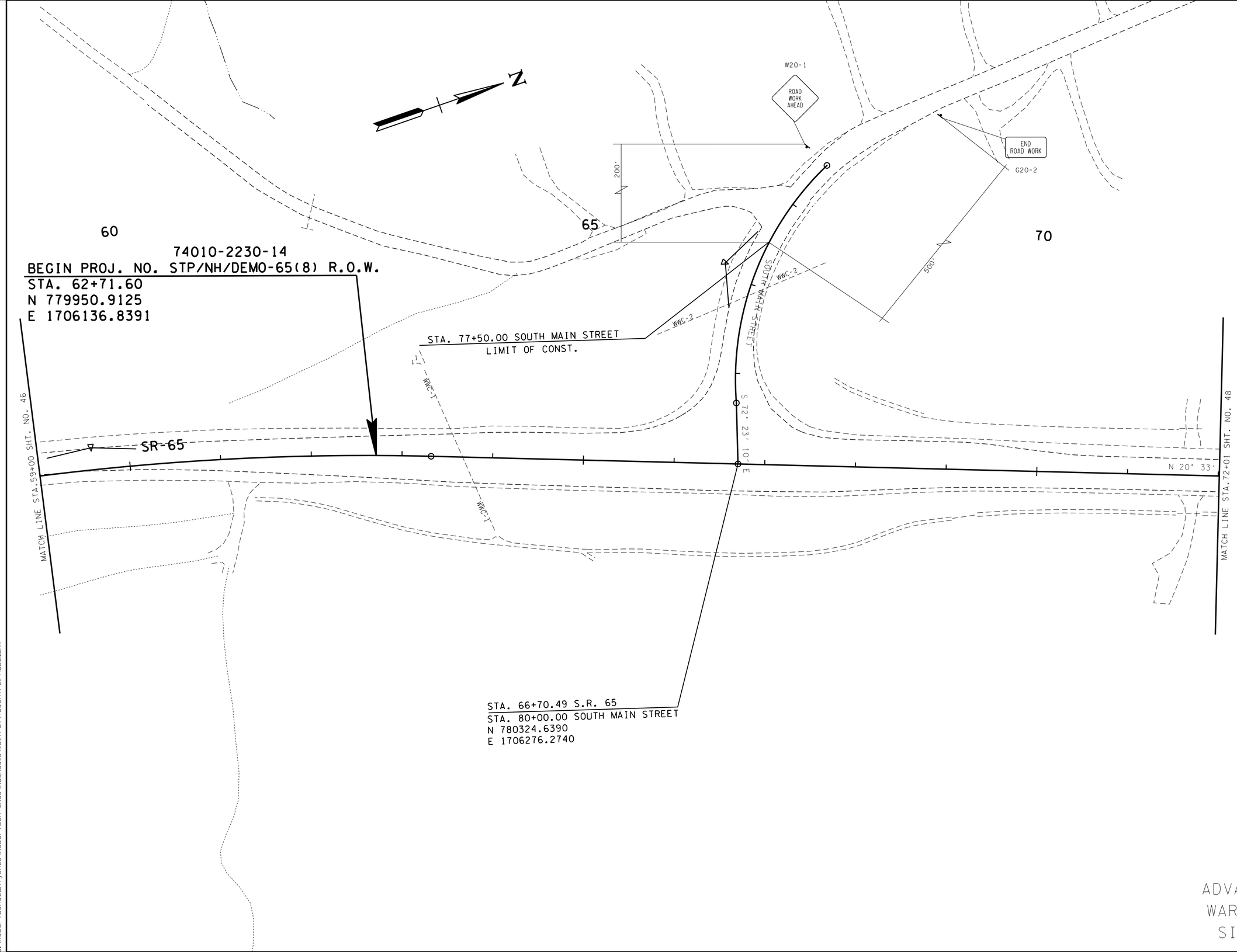
TRAFFIC CONTROL PLAN PHASE 1

STA. 46+00 TO STA. 59+00

SCALE: 1"= 50'

9-MAY-2015 09:56
c:\RobertsonCountySR65\Robertson SR65\RBSR65_34_B_TrafficControlPhase1.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34C



ADVANCED WARNING SIGNS

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

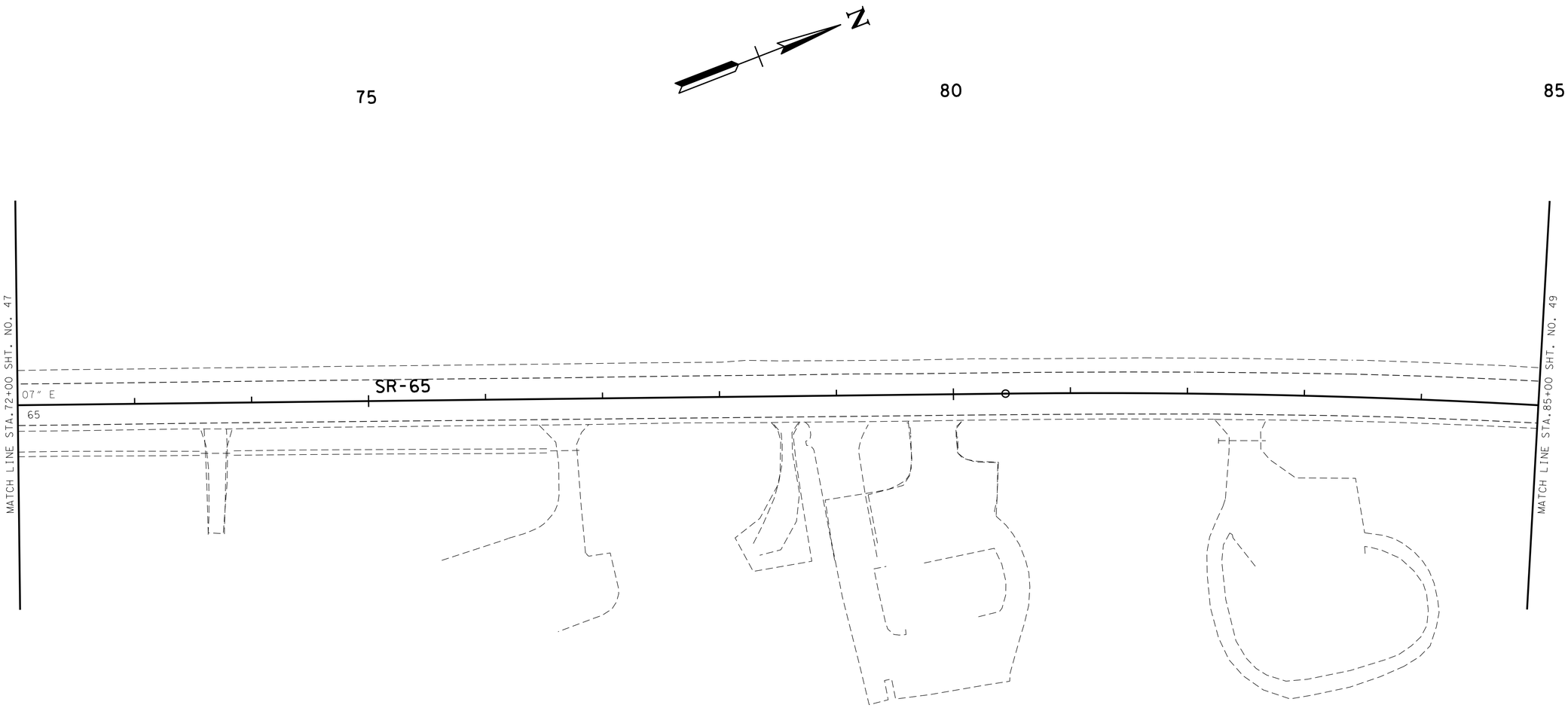
TRAFFIC CONTROL PLAN PHASE 1

STA. 59+00 TO STA. 72+00

SCALE: 1"= 50'

9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34_C_TrafficControlPhase1.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34D



SEALED BY

ADVANCED WARNING SIGNS

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

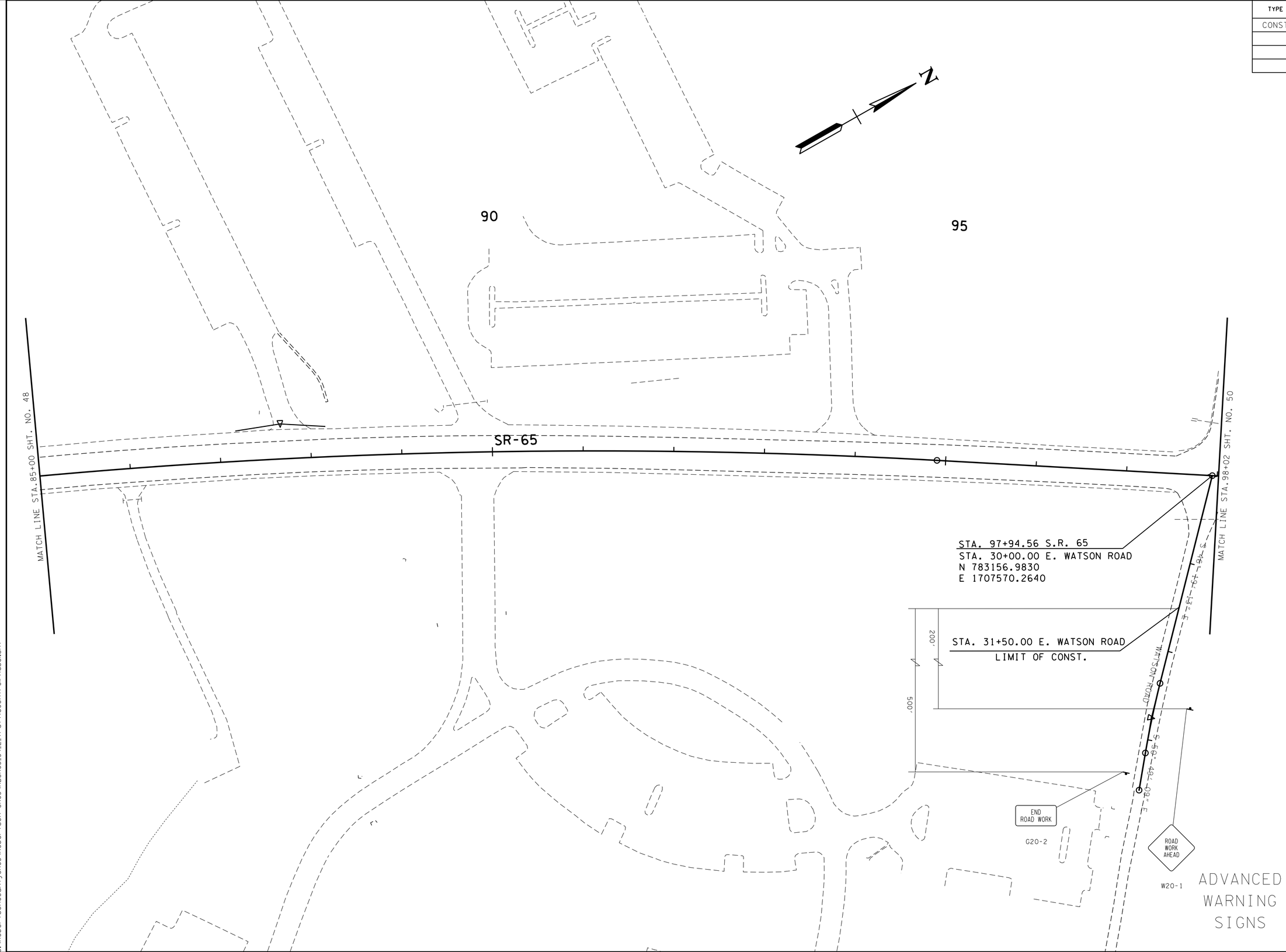
TRAFFIC CONTROL PLAN PHASE 1

STA. 72+00 TO STA. 85+00

SCALE: 1"= 50'

9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34_D_TrafficControlPhase1.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34E



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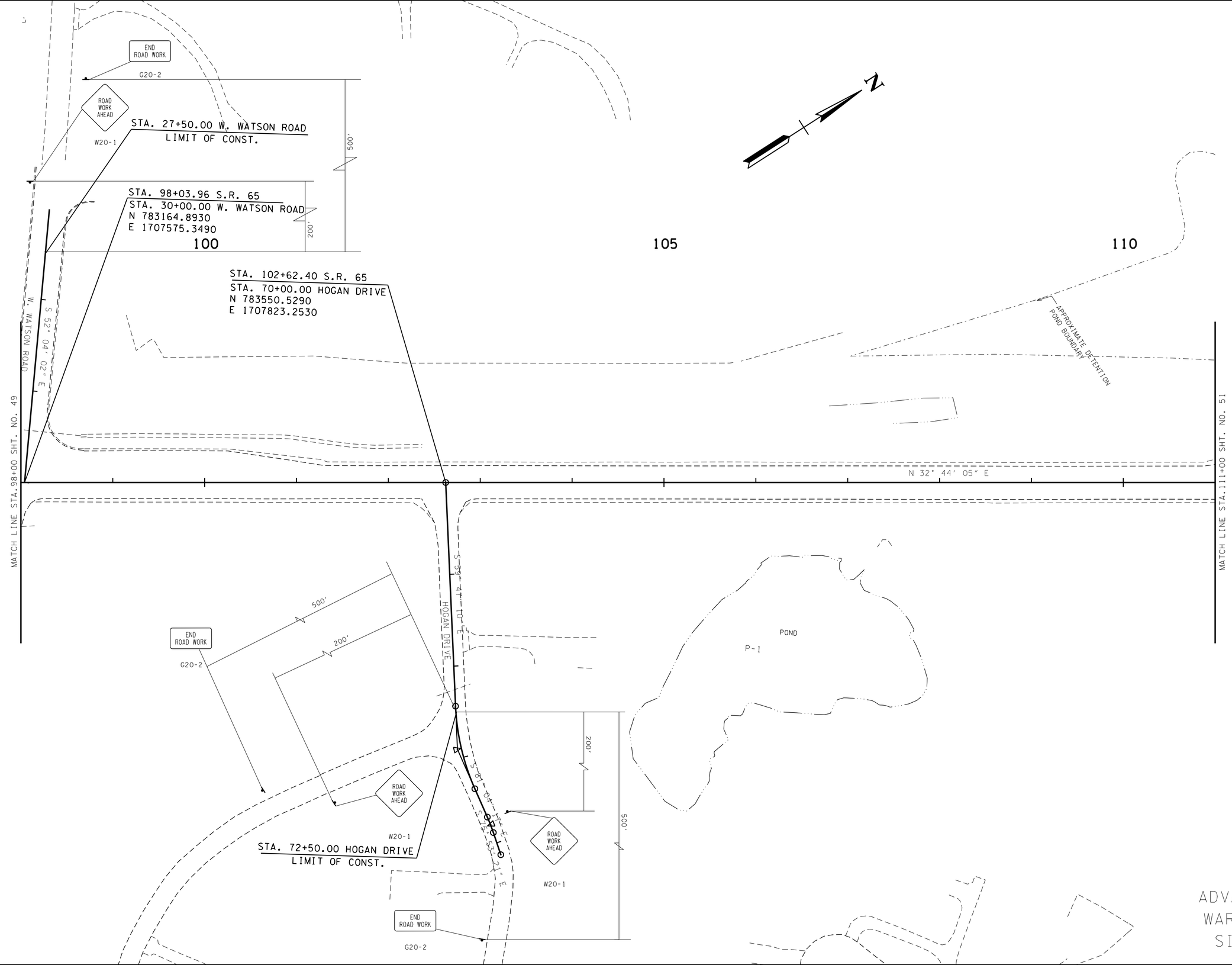
TRAFFIC CONTROL PLAN PHASE 1

STA. 85+00 TO STA. 98+00

SCALE: 1"= 50'

9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34_E_TrafficControlPhase1.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34F



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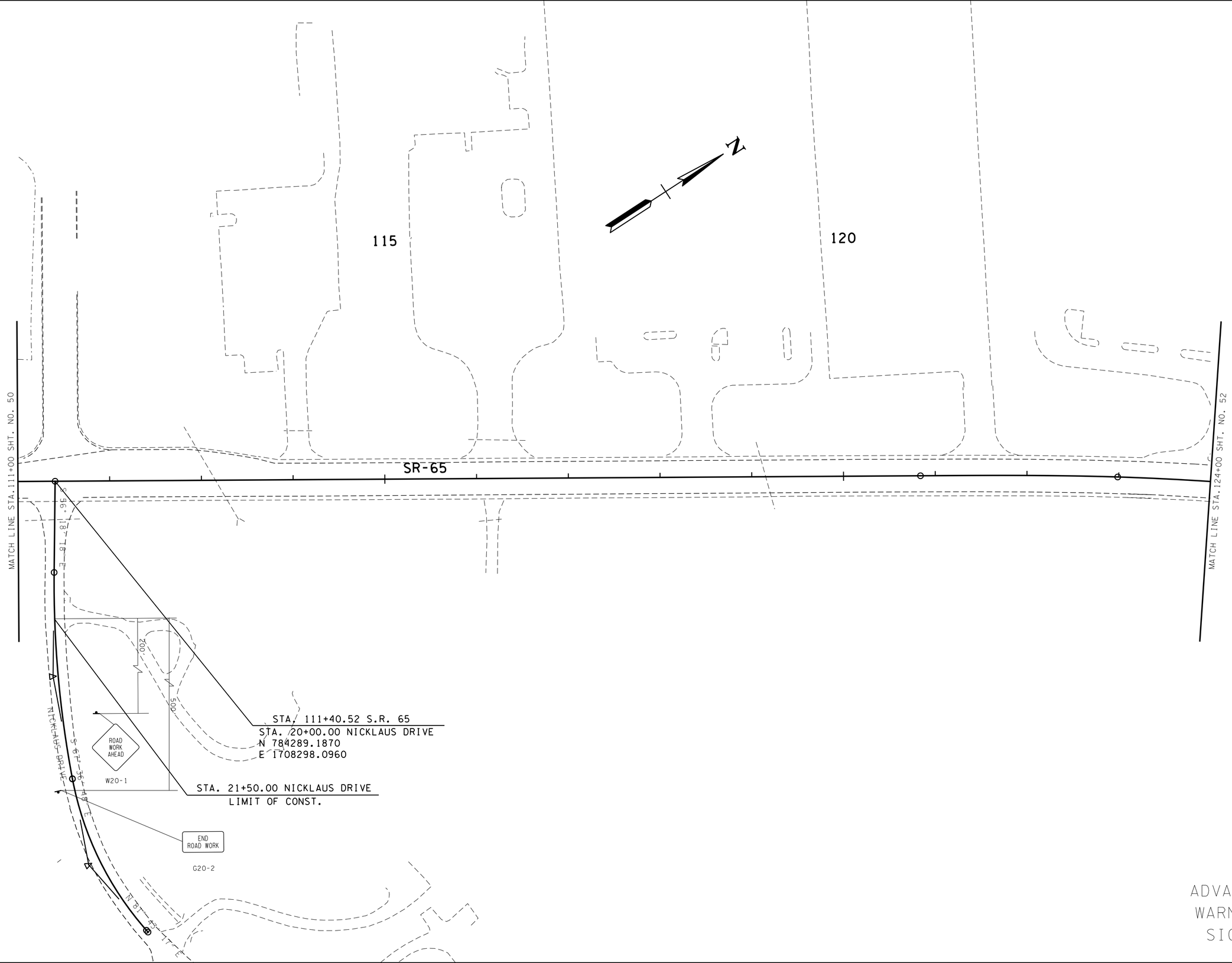
TRAFFIC CONTROL PLAN PHASE 1

STA. 98+00 TO STA. 111+00

SCALE: 1"= 50'

9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34_F_TrafficControlPhase1.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34G



ADVANCED WARNING SIGNS

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

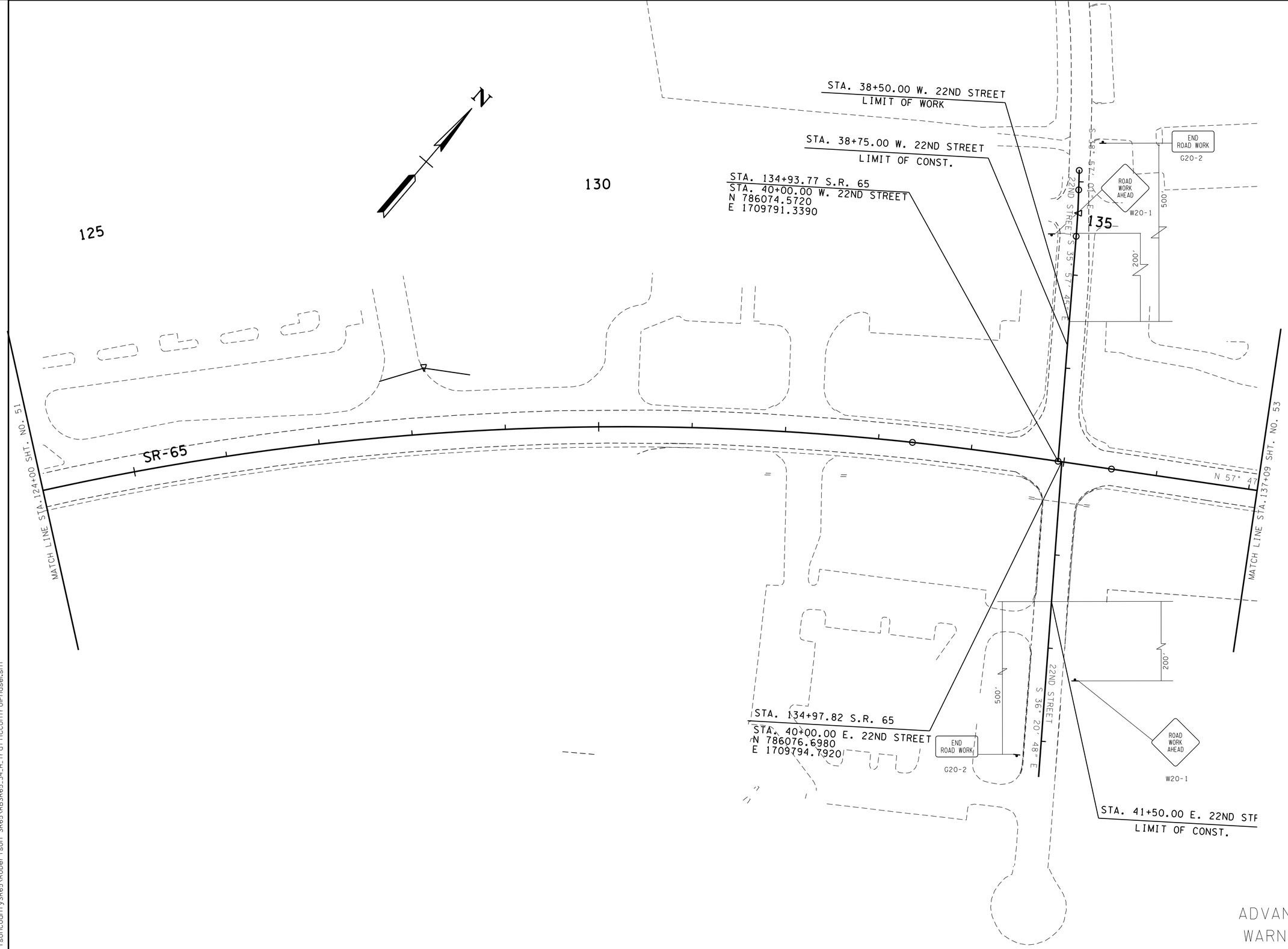
TRAFFIC CONTROL PLAN PHASE 1

STA. 111+00 TO STA. 124+00

SCALE: 1"= 50'

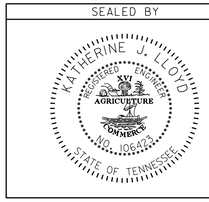
9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65.34.G.TrafficControlPhase1.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34H



ADVANCED WARNING SIGNS

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

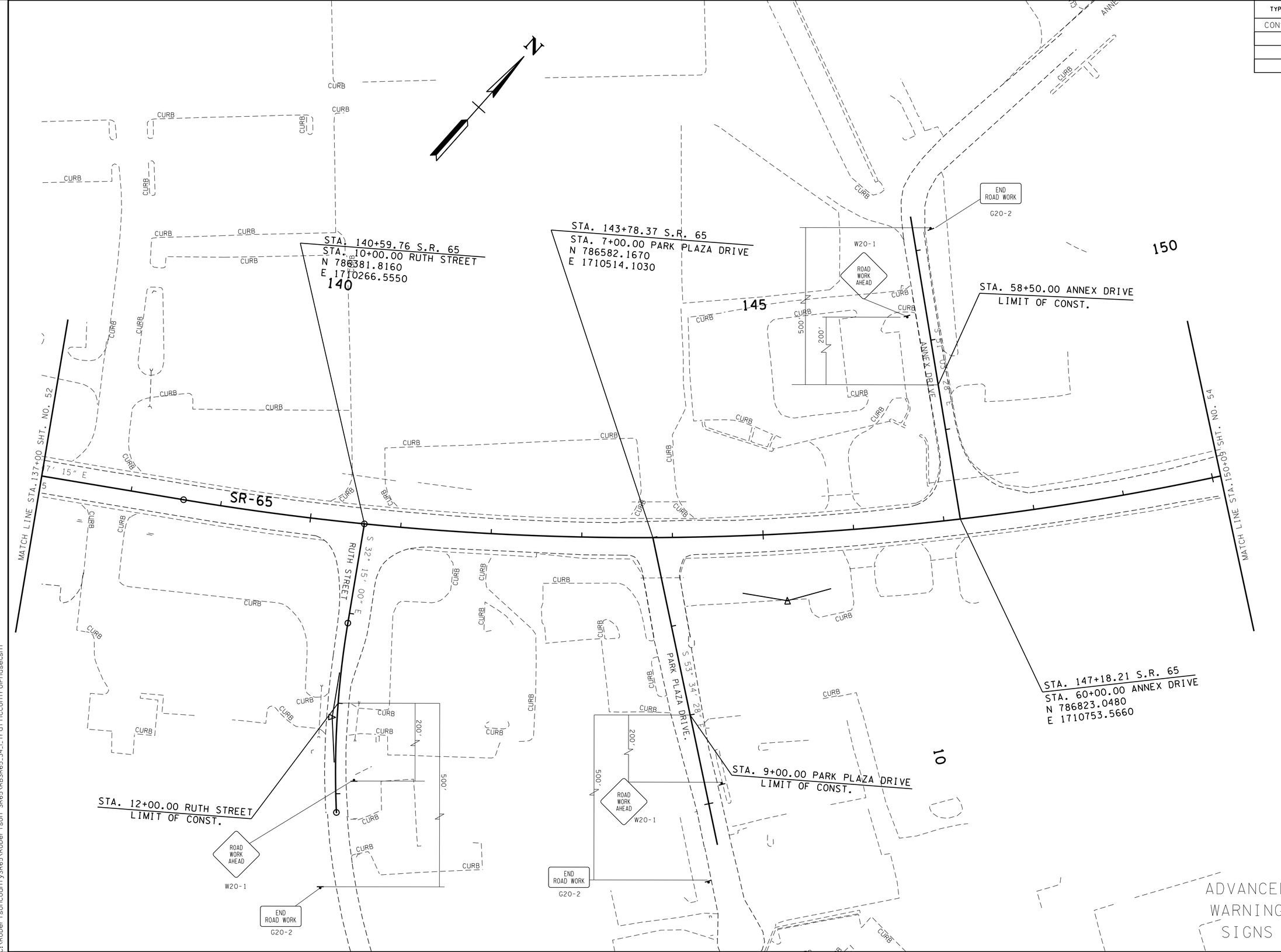
TRAFFIC CONTROL PLAN PHASE 1

STA. 124+00 TO STA. 137+00

SCALE: 1"= 50'

9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34_H_TrafficControlPhase1.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34I



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DEPARTMENT OF TRANSPORTATION

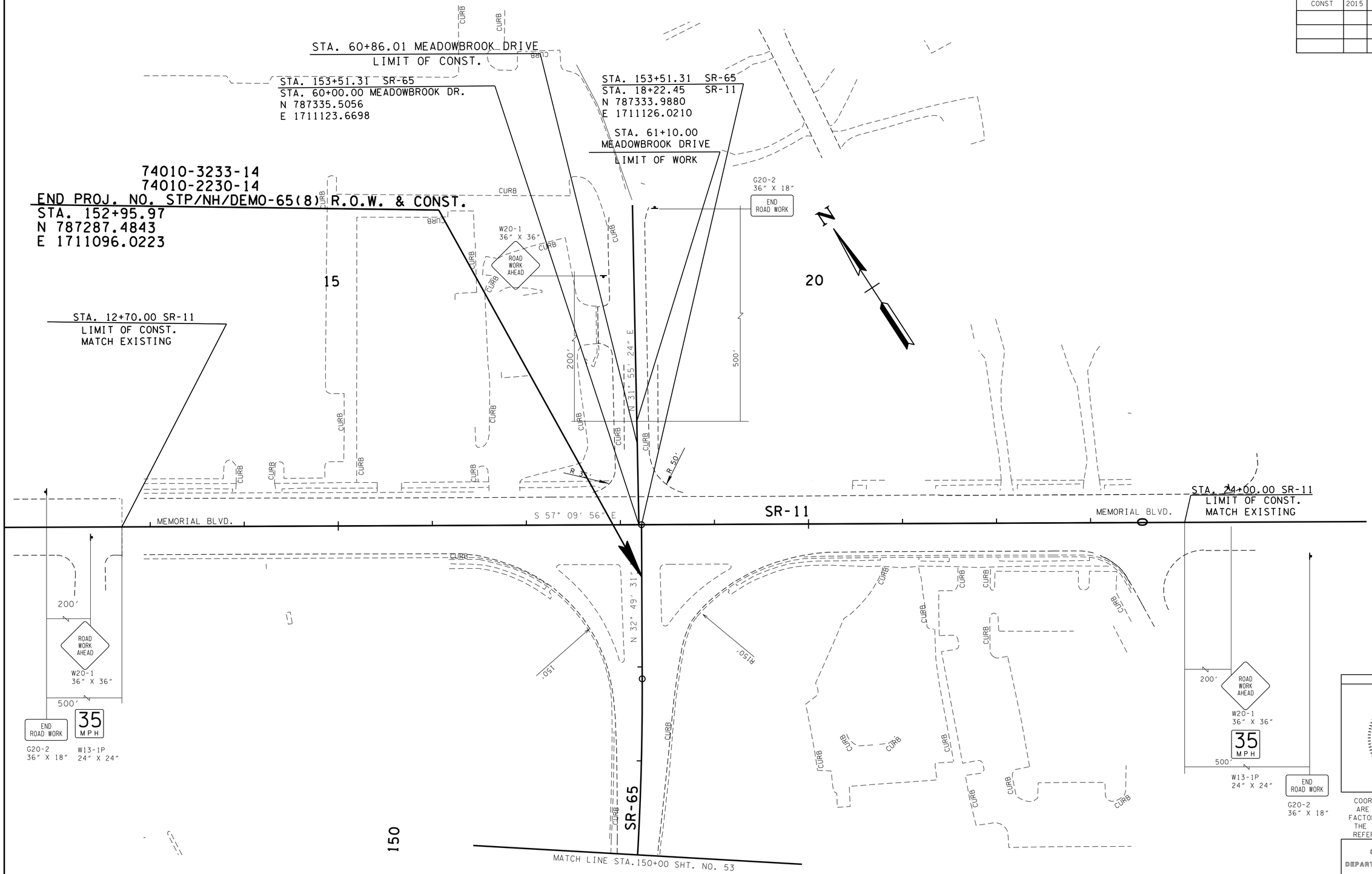
TRAFFIC CONTROL PLAN PHASE 1

STA. 137+00 TO STA. 150+00

SCALE: 1"= 50'

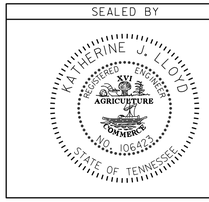
9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34_TrafficControlPhase1.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34J



ADVANCED WARNING SIGNS

SEALED BY



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 1

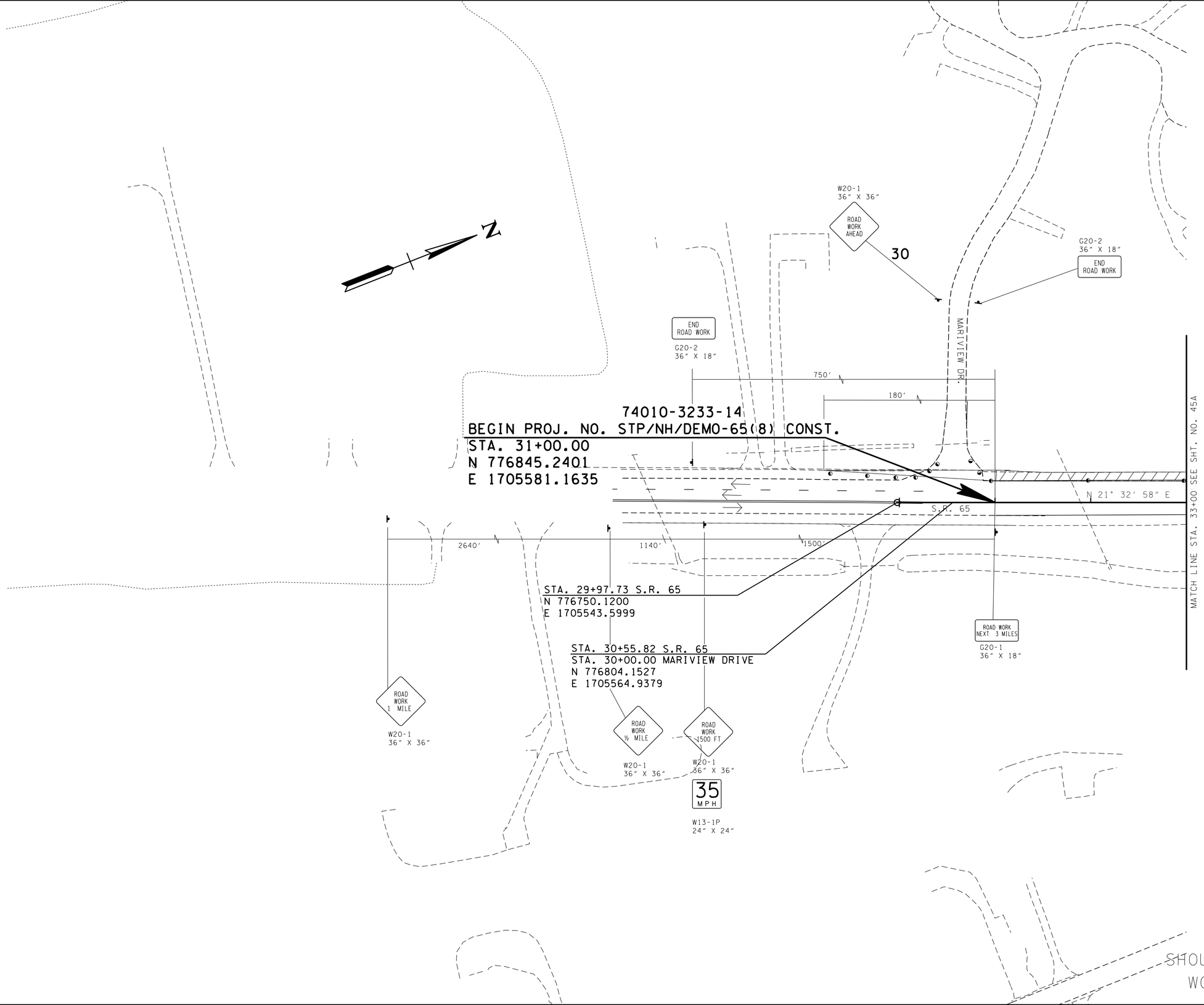
STA. 150+00 TO END OF PROJ.

SCALE: 1"= 50'

9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65.34.J.TrafficControlPhase1.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34K

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



SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2

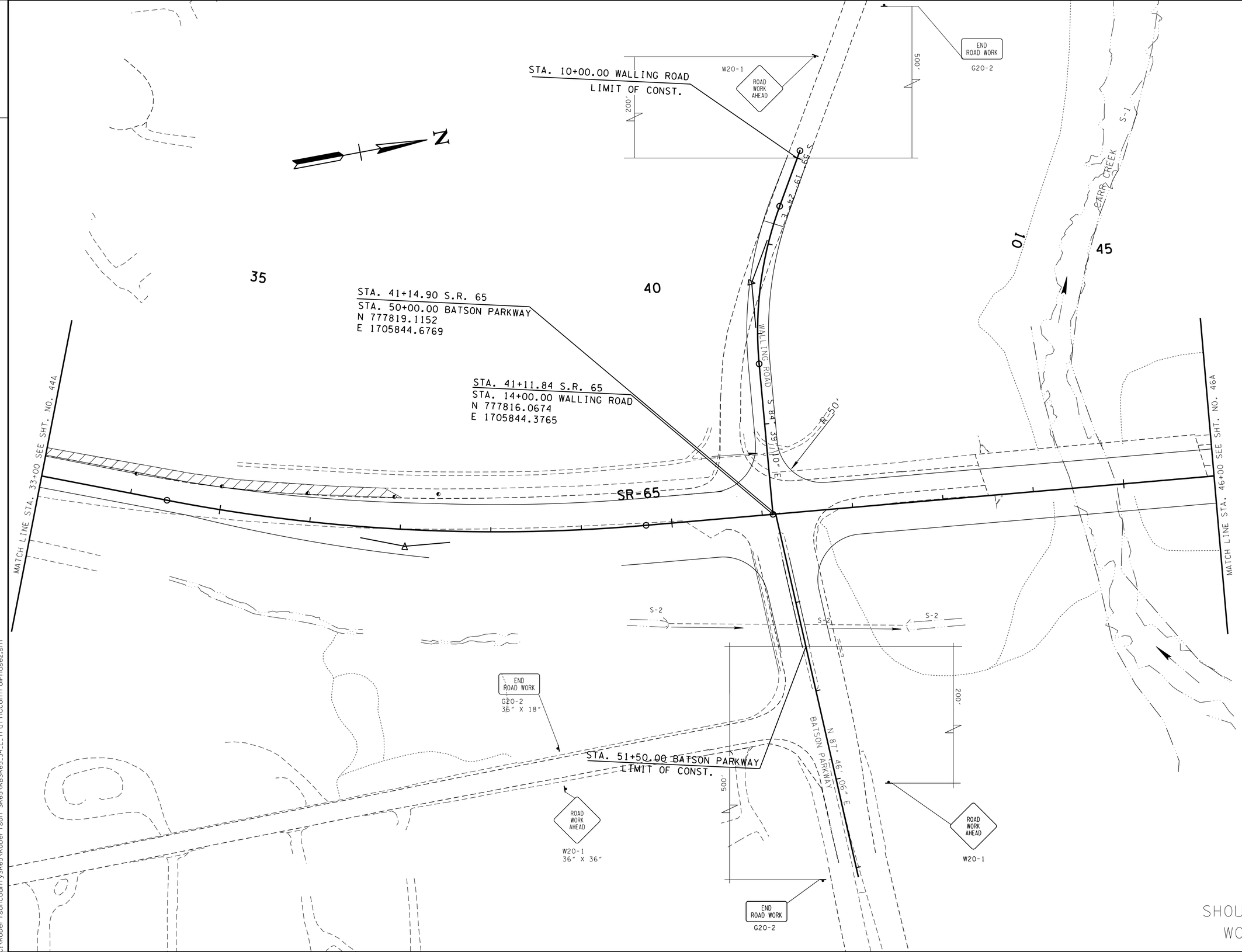
STA. 30+00 TO STA. 33+00

SCALE: 1:50

9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34_K_TrafficControlPhase2.sht

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34L



SHOULDER WORK

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2

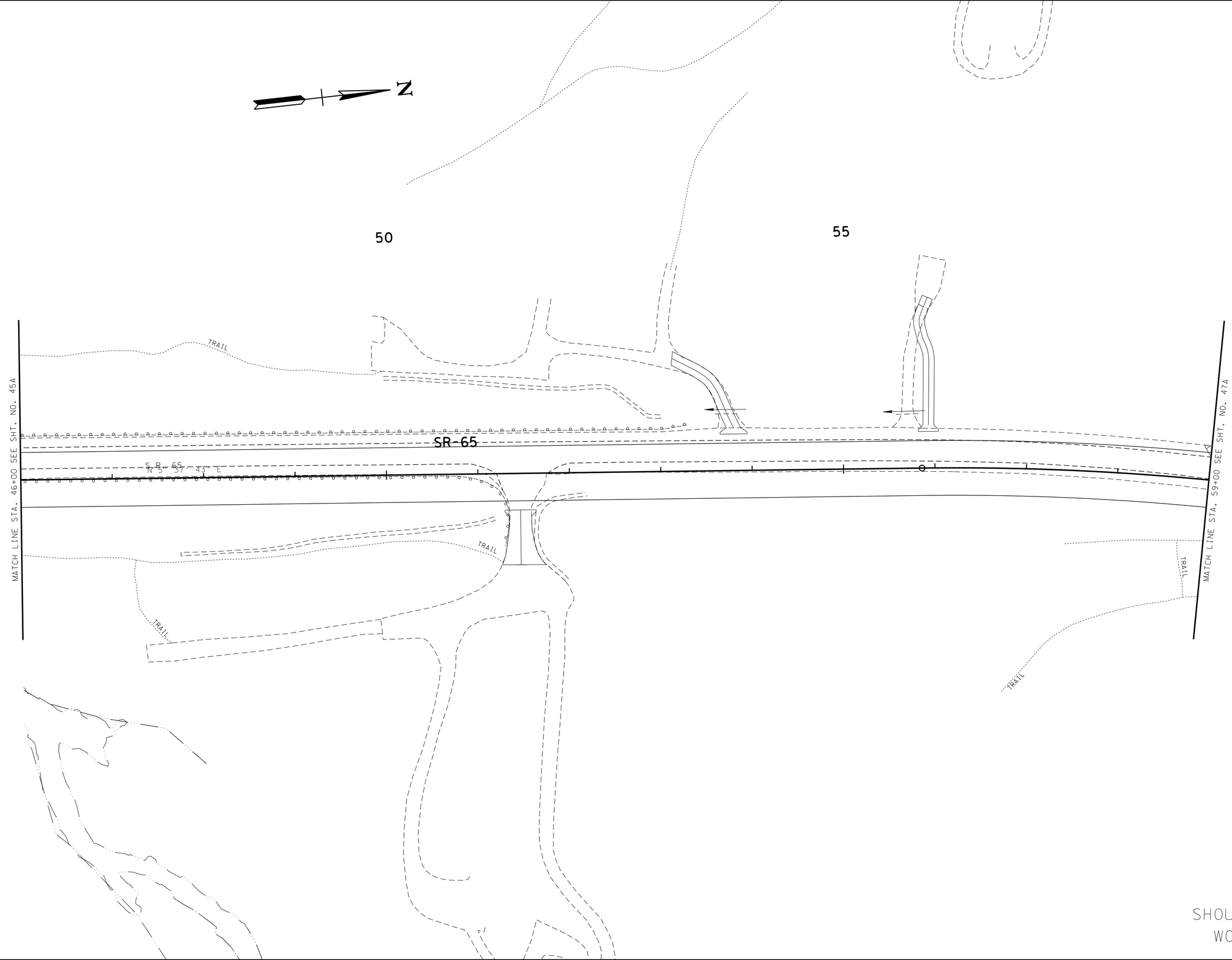
STA. 33+00 TO STA. 46+00

SCALE: 1:50

9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34_L_TrafficControlPhase2.sht

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34M



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TRAFFIC CONTROL PLAN PHASE 2

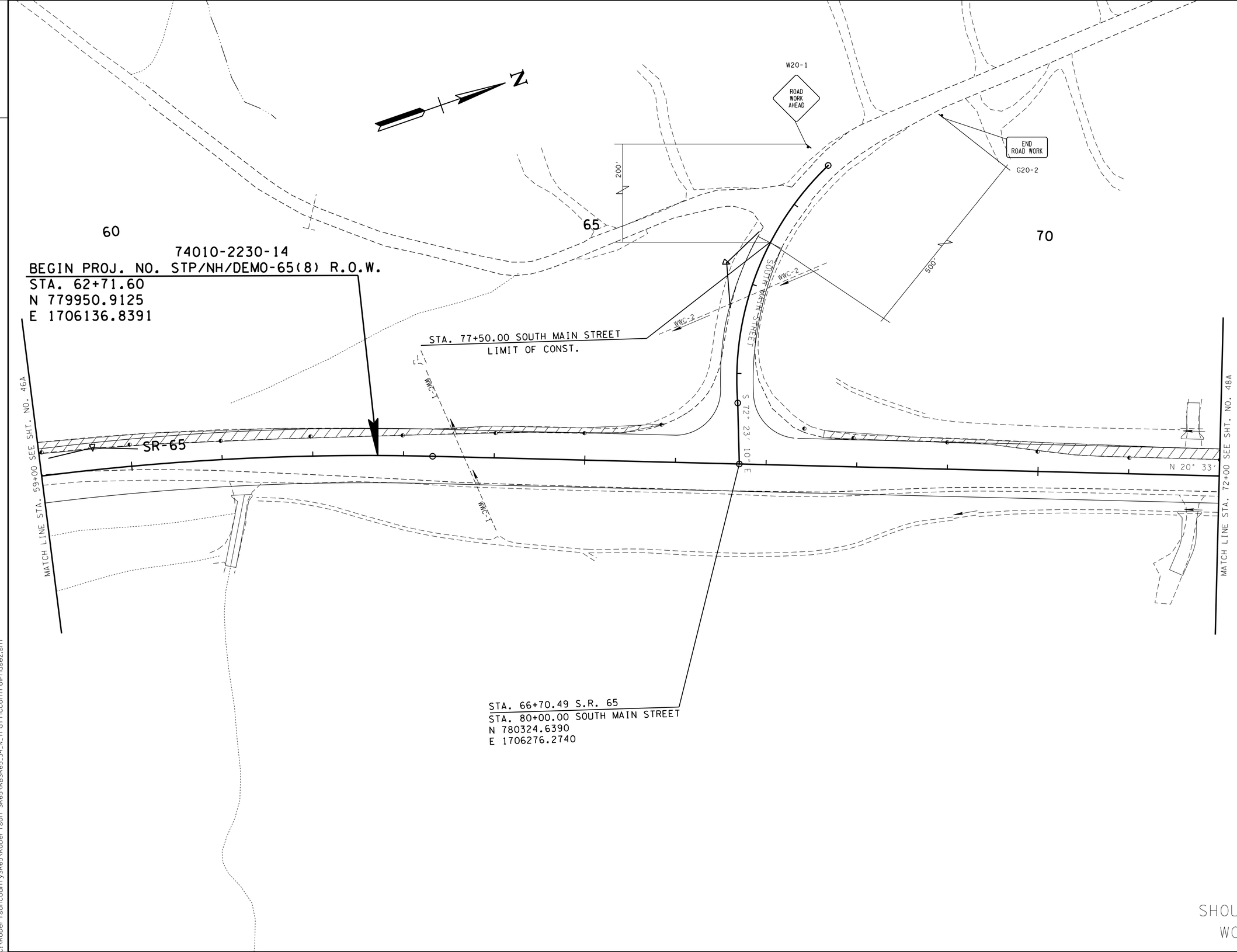
STA. 46+00 TO STA. 59+00

SCALE: 1:50

9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34_M_TrafficControlPhase2.sht

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34N



SHOULDER WORK

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2

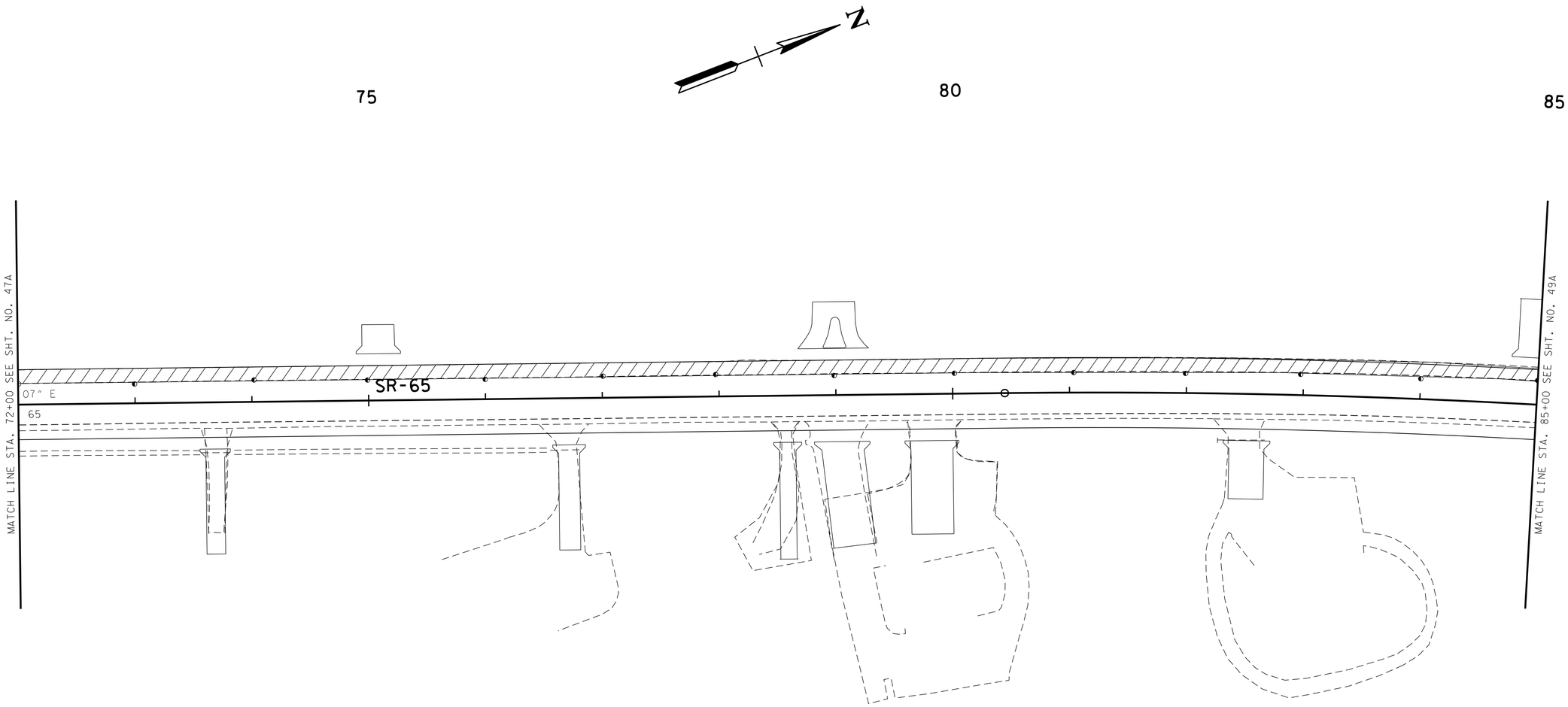
STA. 59+00 TO STA. 72+00

SCALE: 1:50

9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34_N_TrafficControlPhase2.sht

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34P



SHOULDER WORK

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TRAFFIC CONTROL PLAN PHASE 2

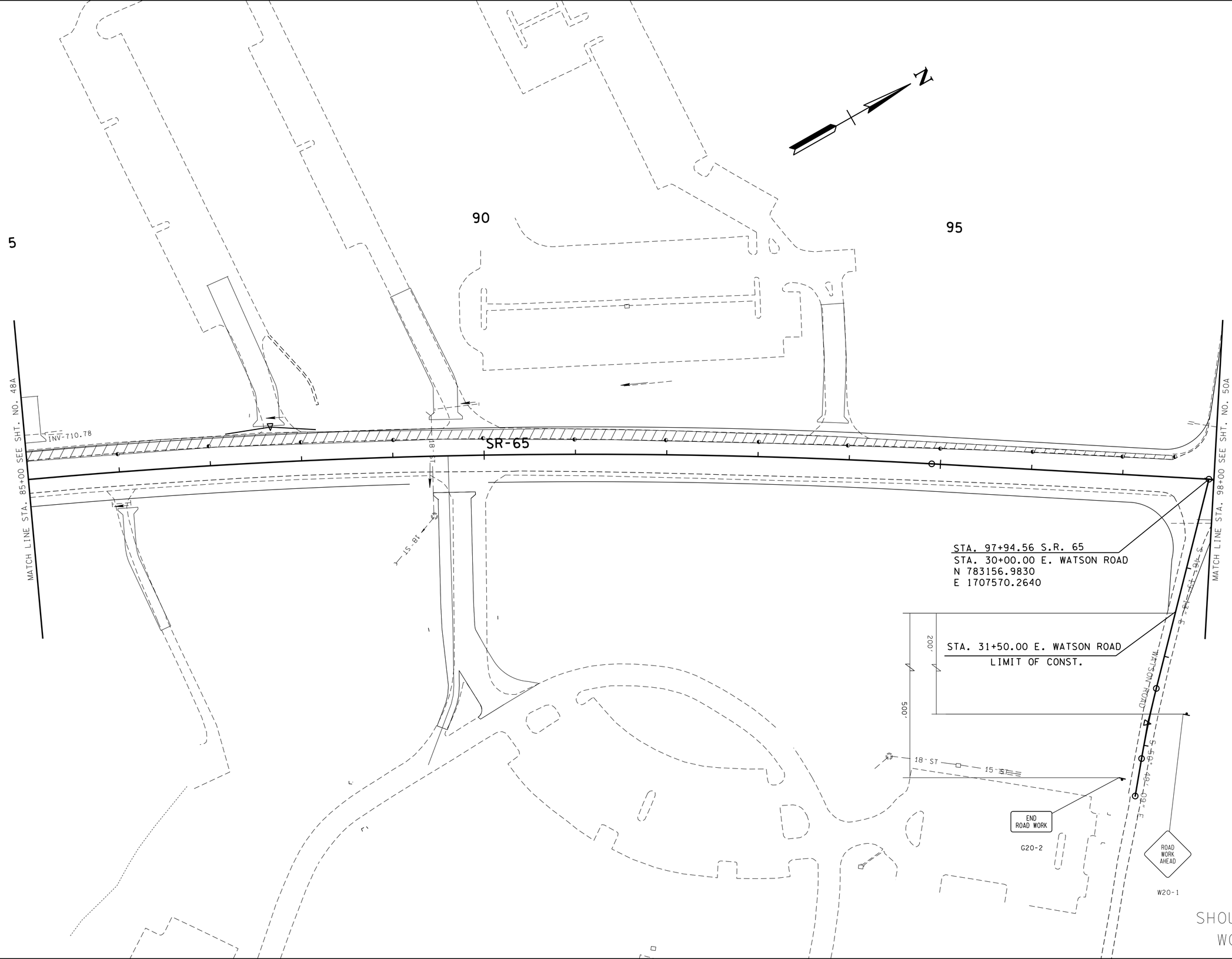
STA. 72+00 TO STA. 85+00

SCALE: 1:50

9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34_P_TrafficControlPhase2.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2104	STP/NH/DEMO-65(8)	34Q

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



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DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2

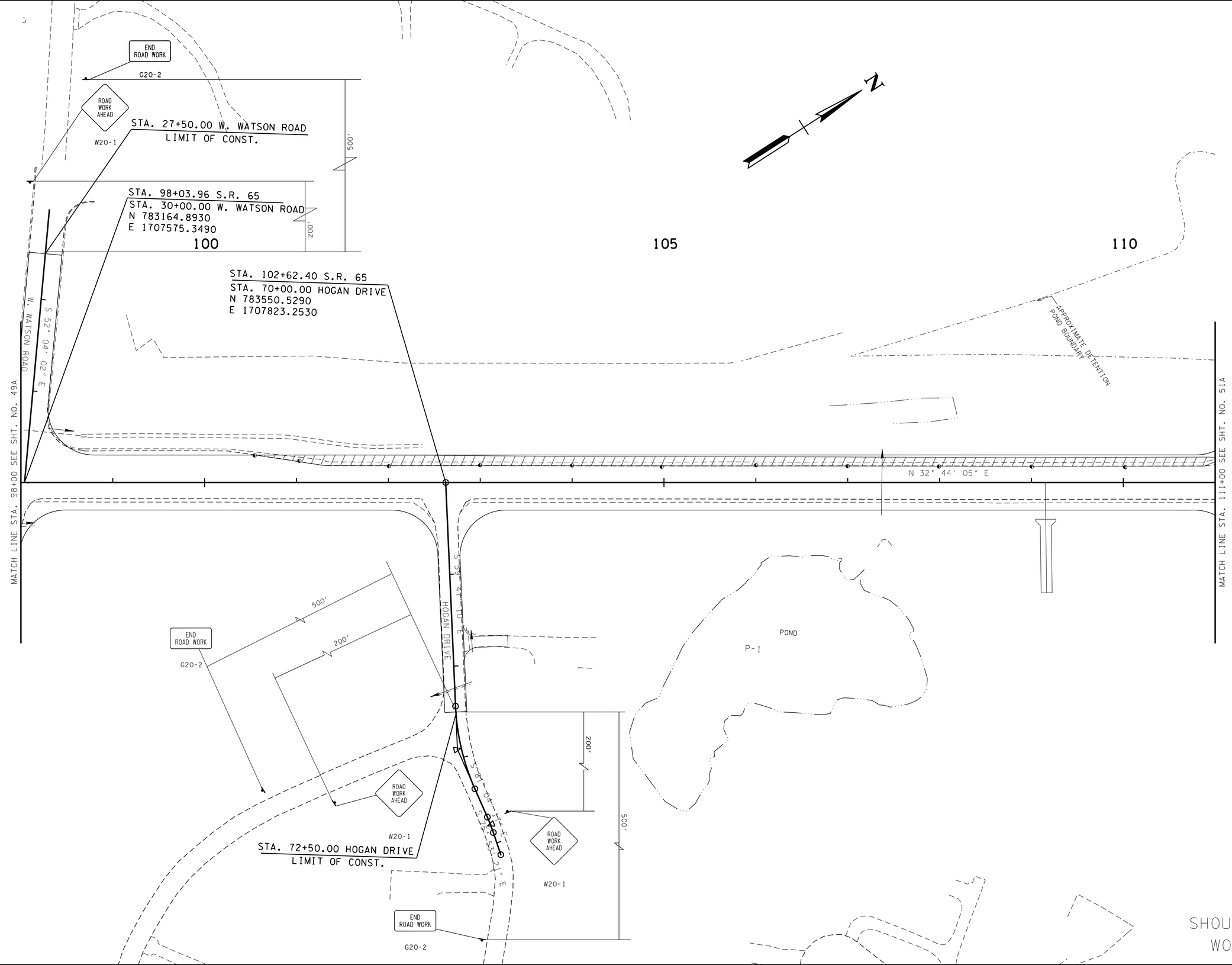
STA. 85+00 TO STA. 98+00

SCALE: 1:50

9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34.0_TrafficControlPhase2.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34R

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



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DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2

STA. 98+00 TO STA.111+00

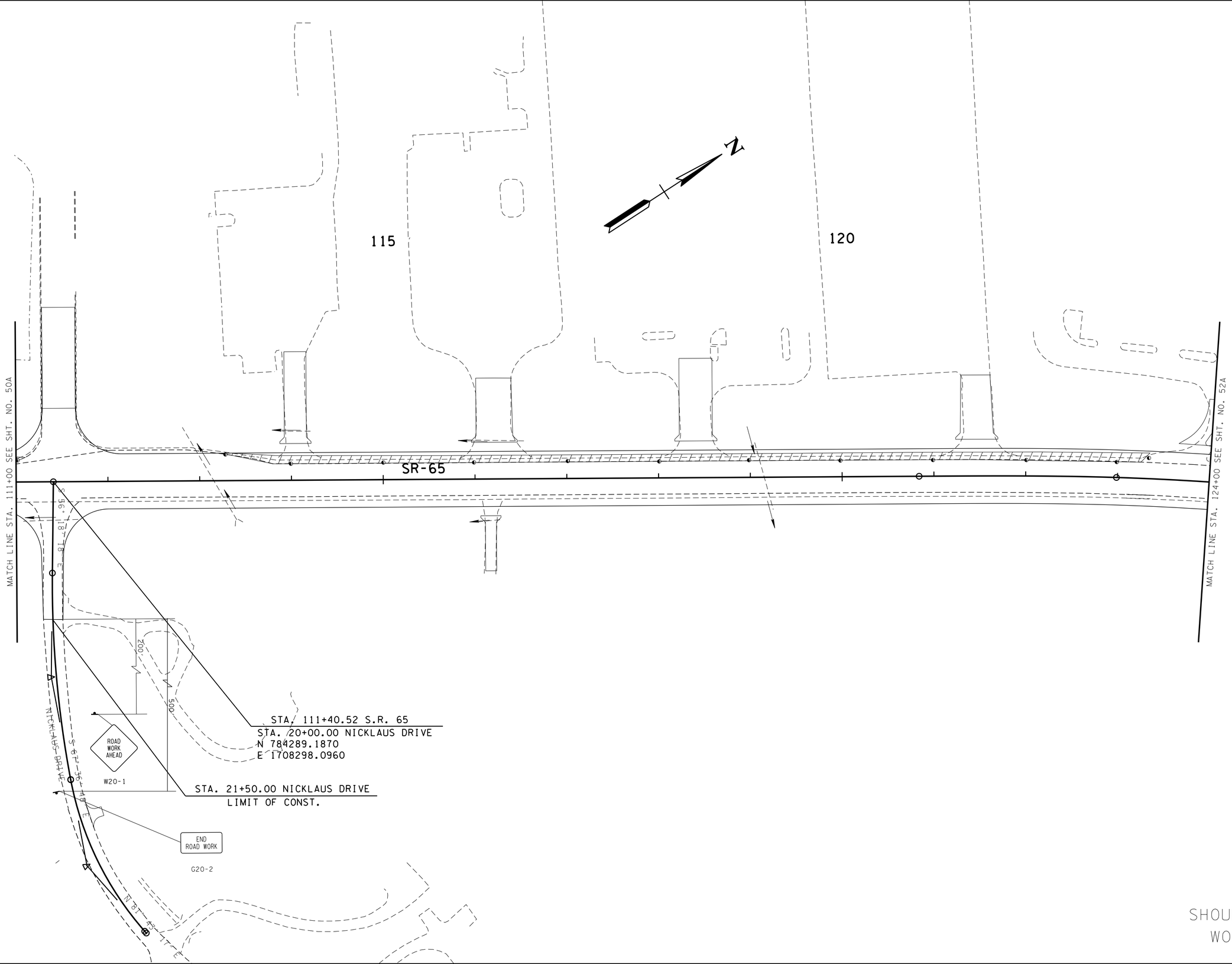
SCALE: 1:50

9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34_R_TrafficControlPhase2.sht

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34S



SHOULDER WORK

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2

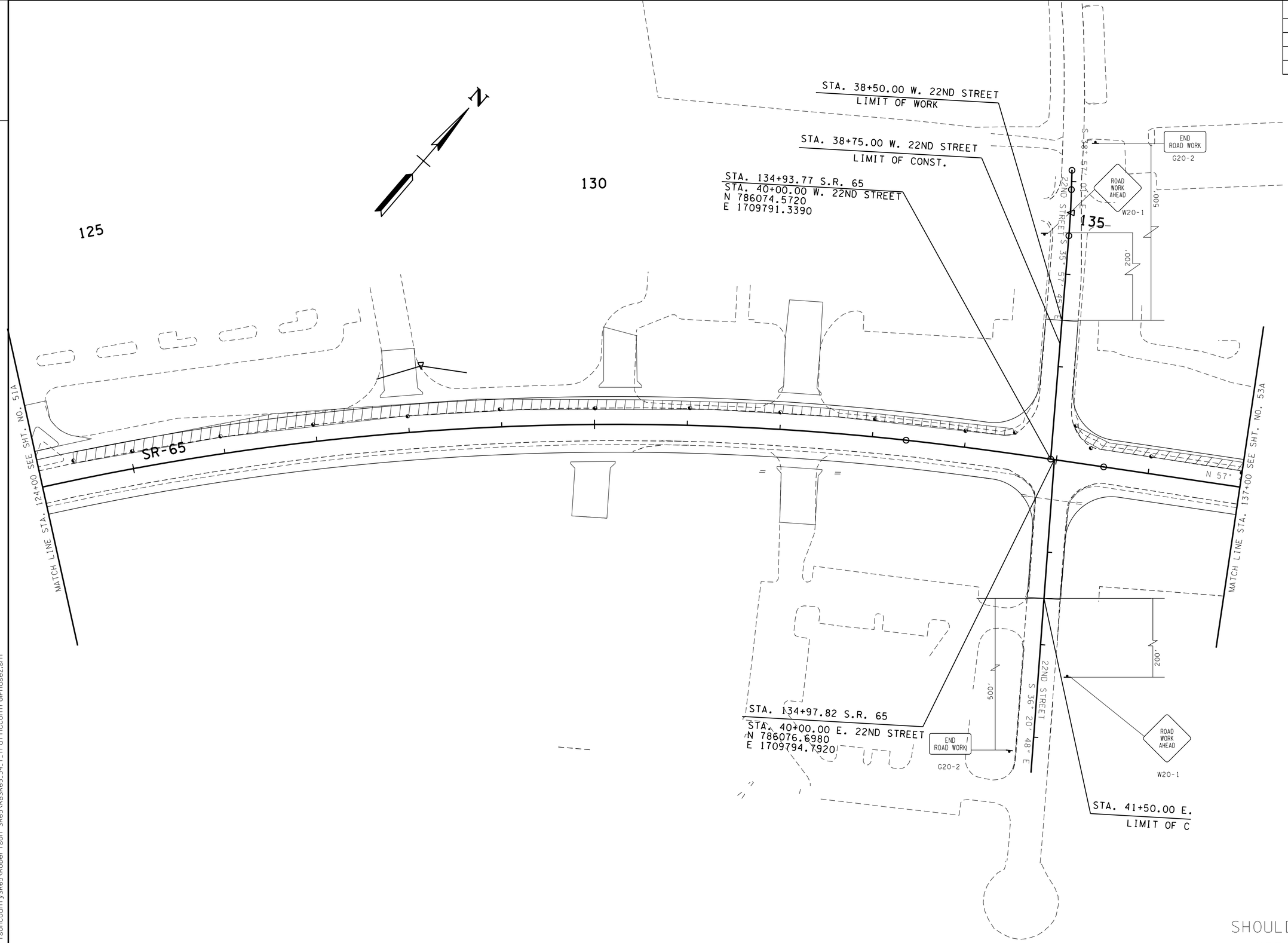
STA.111+00 TO STA.124+00

SCALE: 1:50

9-MAY-2015 09:56
c:\RobertsonCountySR65\Robertson SR65\RBSR65.34.S.TrafficControlPhase2.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34T

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



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DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2

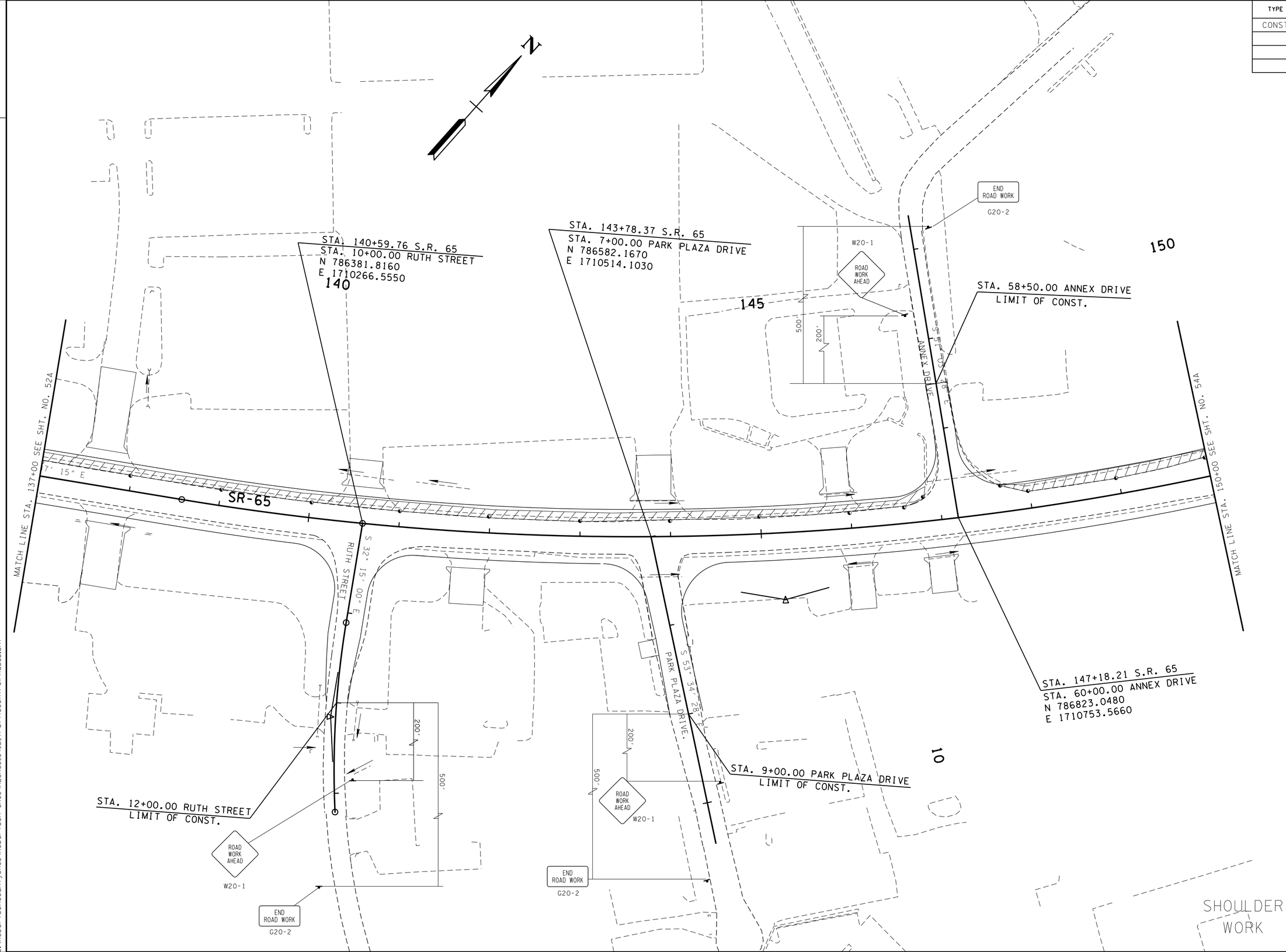
STA.124+00 TO STA.137+00

SCALE: 1:50

9-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34_TrafficControlPhase2.sht

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34U



SEALED BY

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DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2

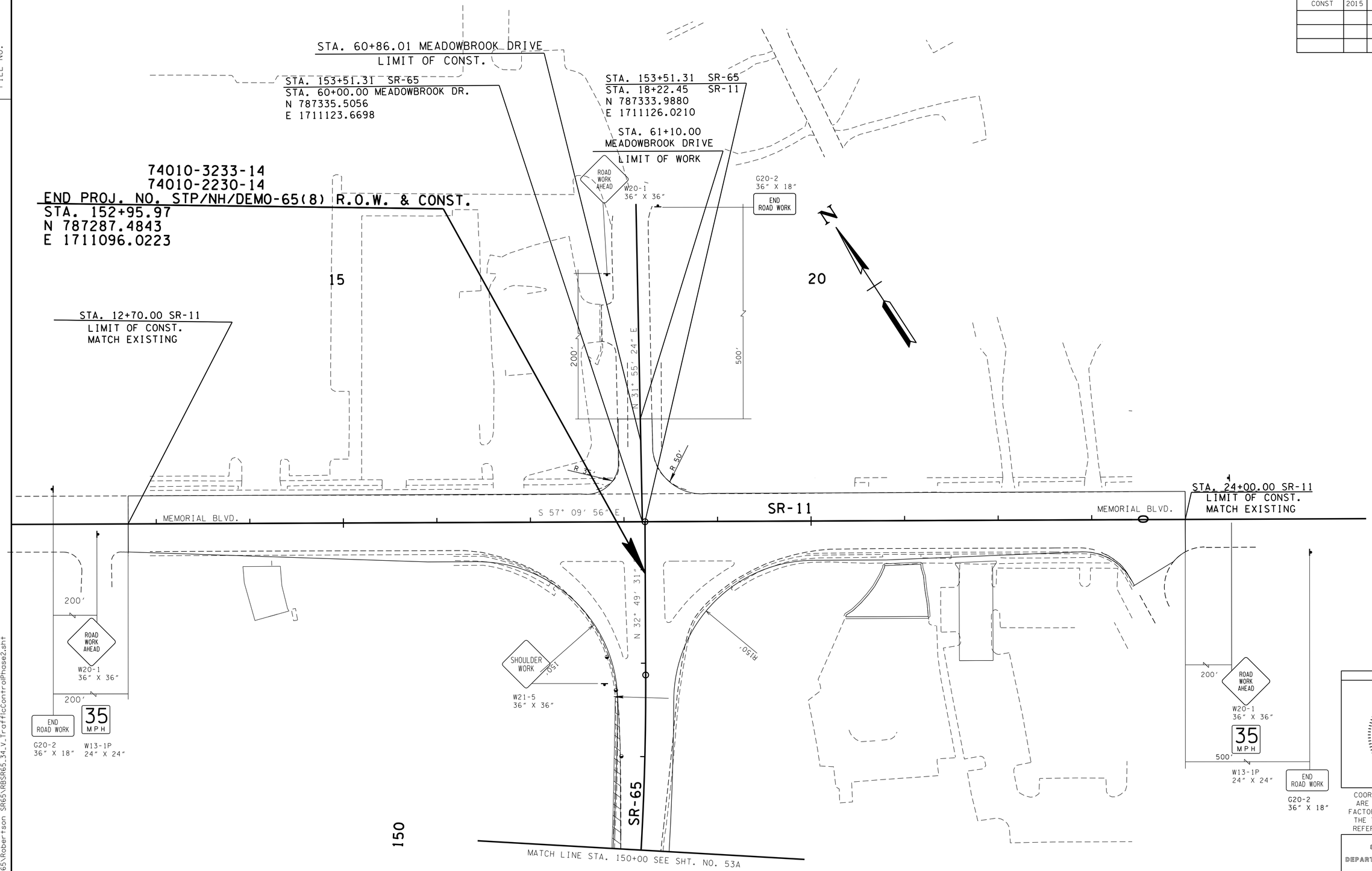
STA.137+00 TO STA.150+00

SCALE: 1:50

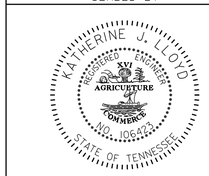
29-MAY-2015 09:56
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34.U_TrafficControlPhase2.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34V

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



SEALED BY



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2

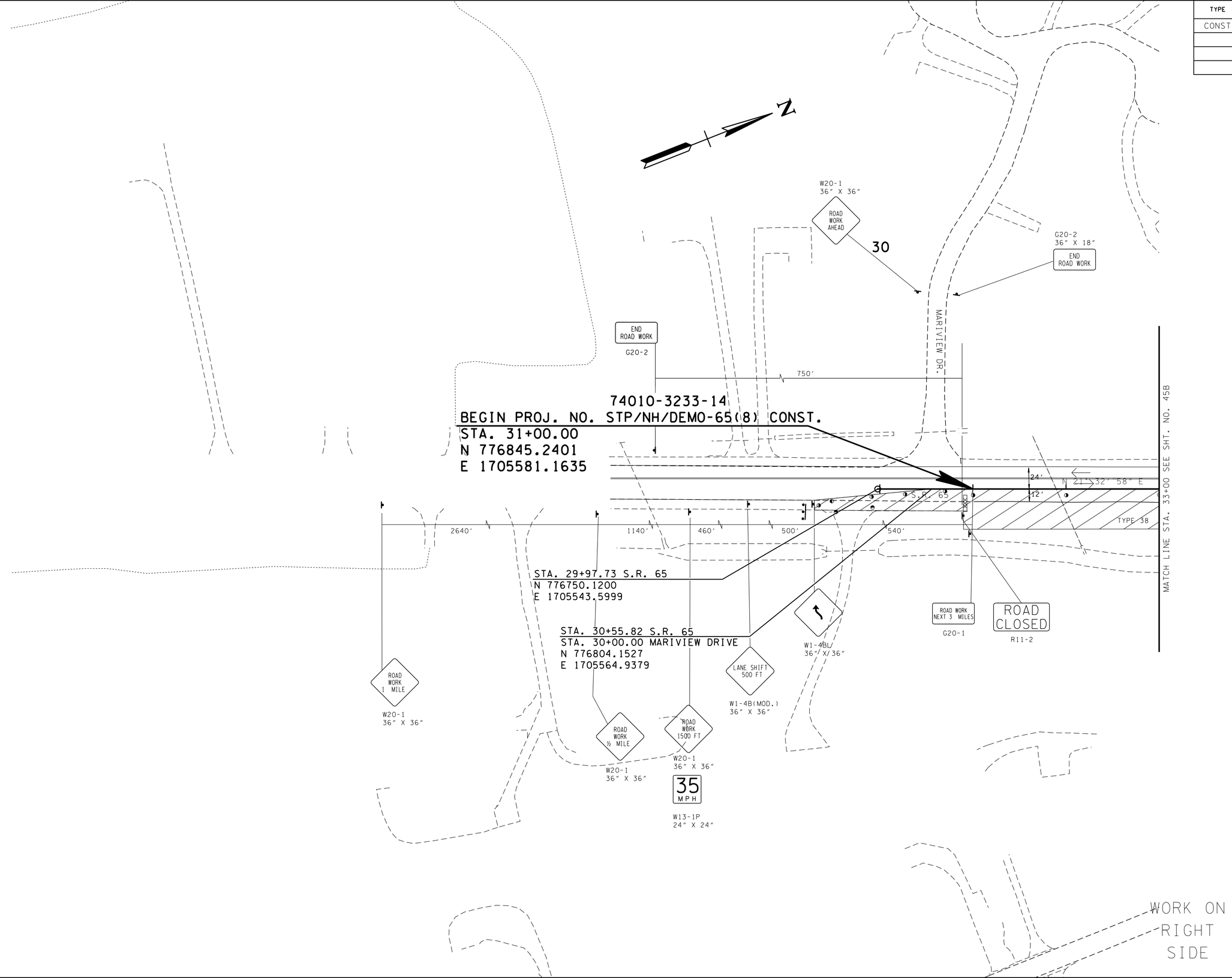
STA. 150+00

SCALE: 1:50

9-MAY-2015 09:57
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34_V_TrafficControlPhase2.sht

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34W



SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 3

STA. 30+00 TO STA. 33+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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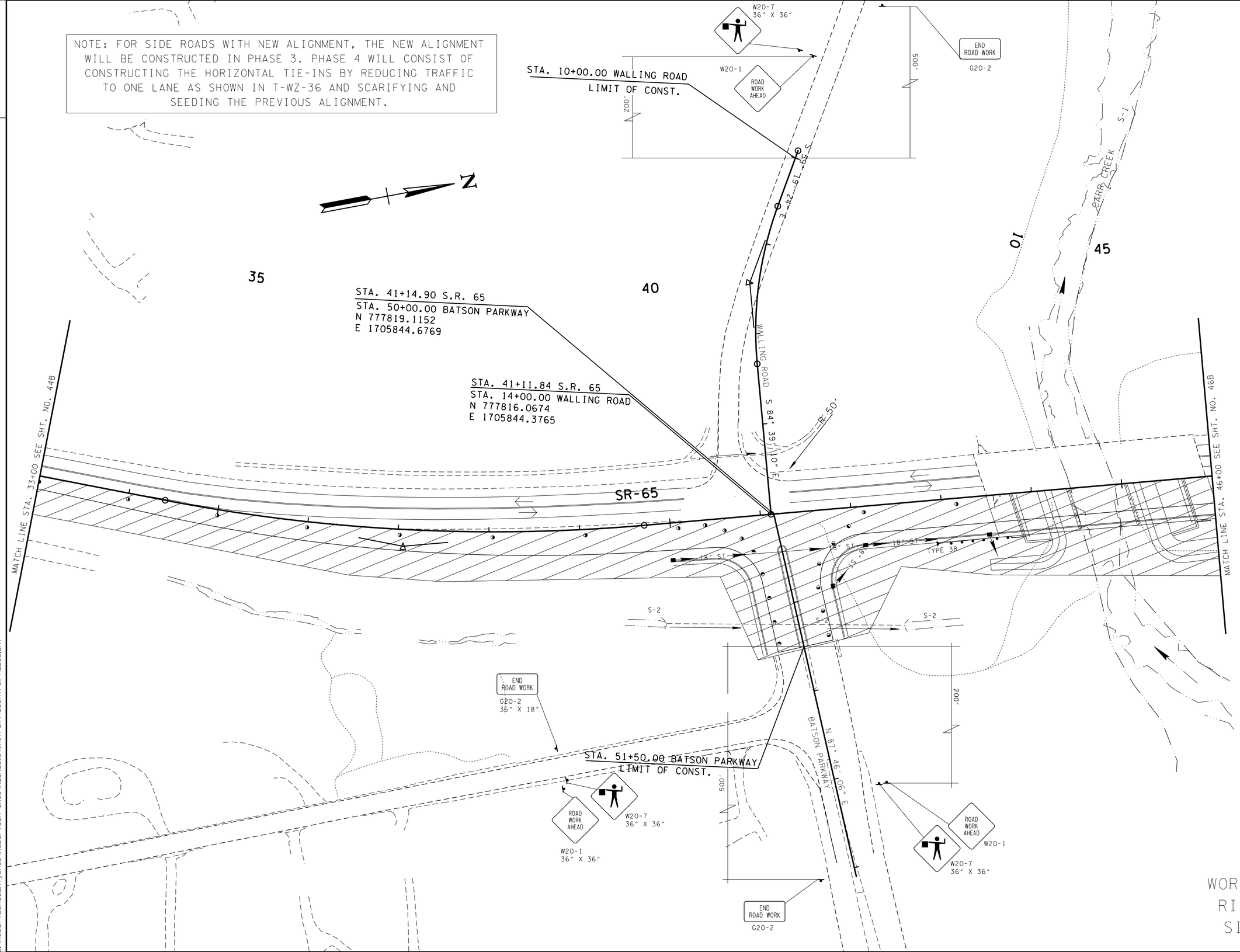
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34X

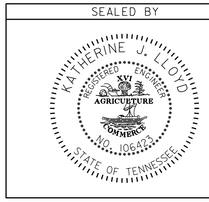
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

NOTE: FOR SIDE ROADS WITH NEW ALIGNMENT, THE NEW ALIGNMENT WILL BE CONSTRUCTED IN PHASE 3. PHASE 4 WILL CONSIST OF CONSTRUCTING THE HORIZONTAL TIE-INS BY REDUCING TRAFFIC TO ONE LANE AS SHOWN IN T-WZ-36 AND SCARIFYING AND SEEDING THE PREVIOUS ALIGNMENT.



WORK ON RIGHT SIDE

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 3

STA. 33+00 TO STA. 46+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34Y

WORK ON RIGHT SIDE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 3

STA. 46+00 TO STA. 59+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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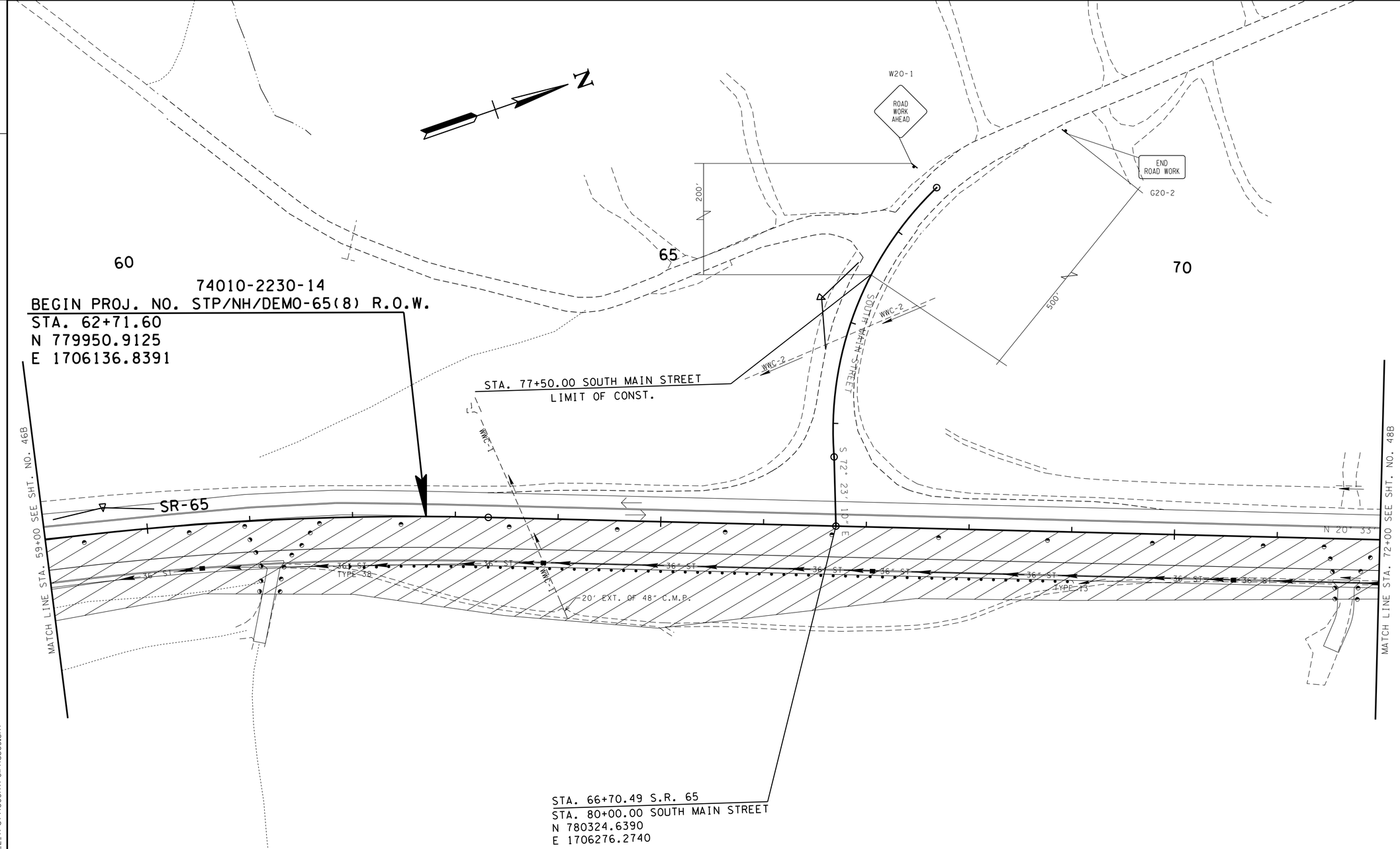
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34Z



NOTE: FOR SIDE ROADS WITH NEW ALIGNMENT, THE NEW ALIGNMENT WILL BE CONSTRUCTED IN PHASE 3. PHASE 4 WILL CONSIST OF CONSTRUCTING THE HORIZONTAL TIE-INS BY REDUCING TRAFFIC TO ONE LANE AS SHOWN IN T-WZ-36 AND SCARIFYING AND SEEDING THE PREVIOUS ALIGNMENT.

WORK ON RIGHT SIDE

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 3

STA. 59+00 TO STA. 72+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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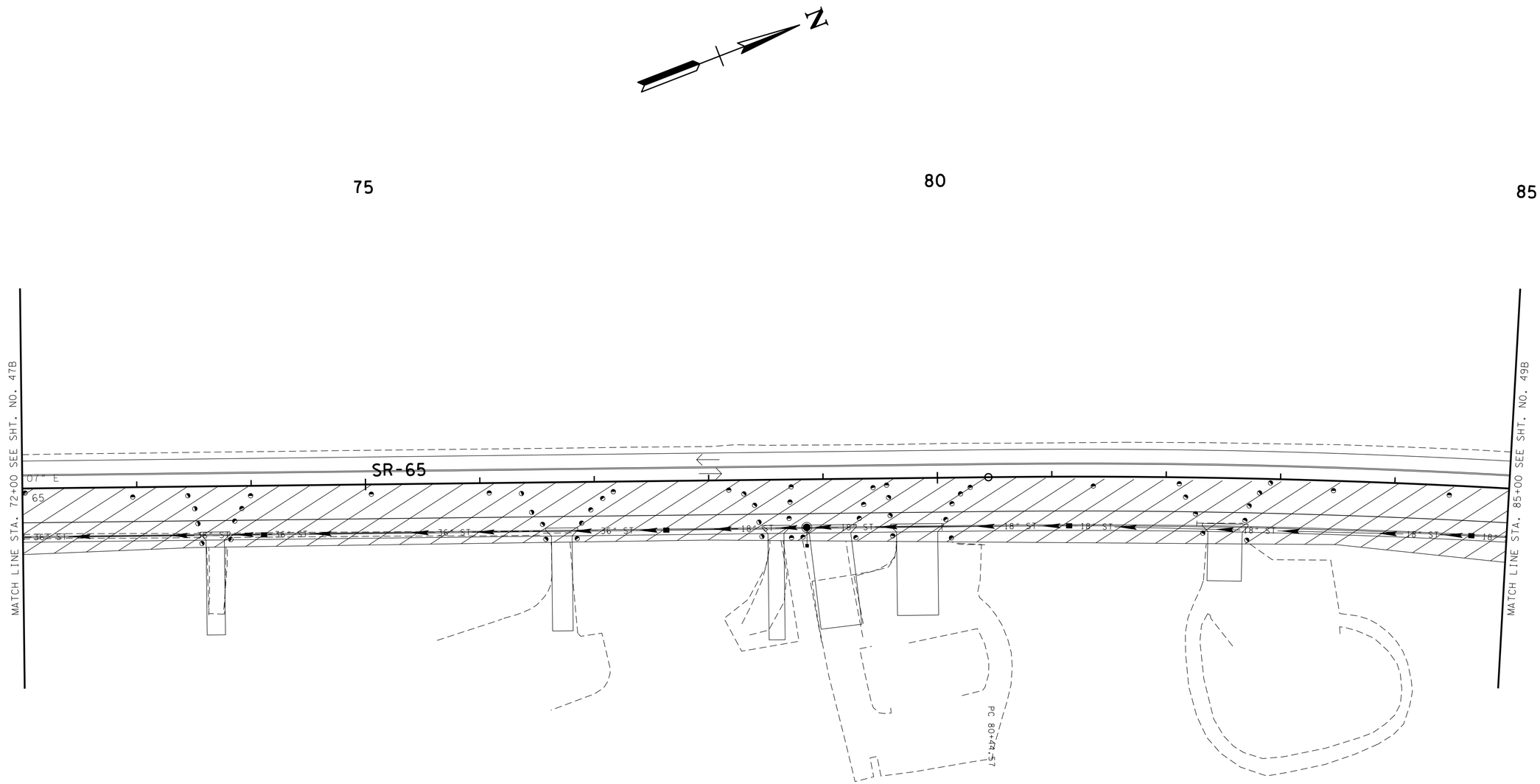
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34AA



WORK ON RIGHT SIDE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 3

STA. 72+00 TO STA. 85+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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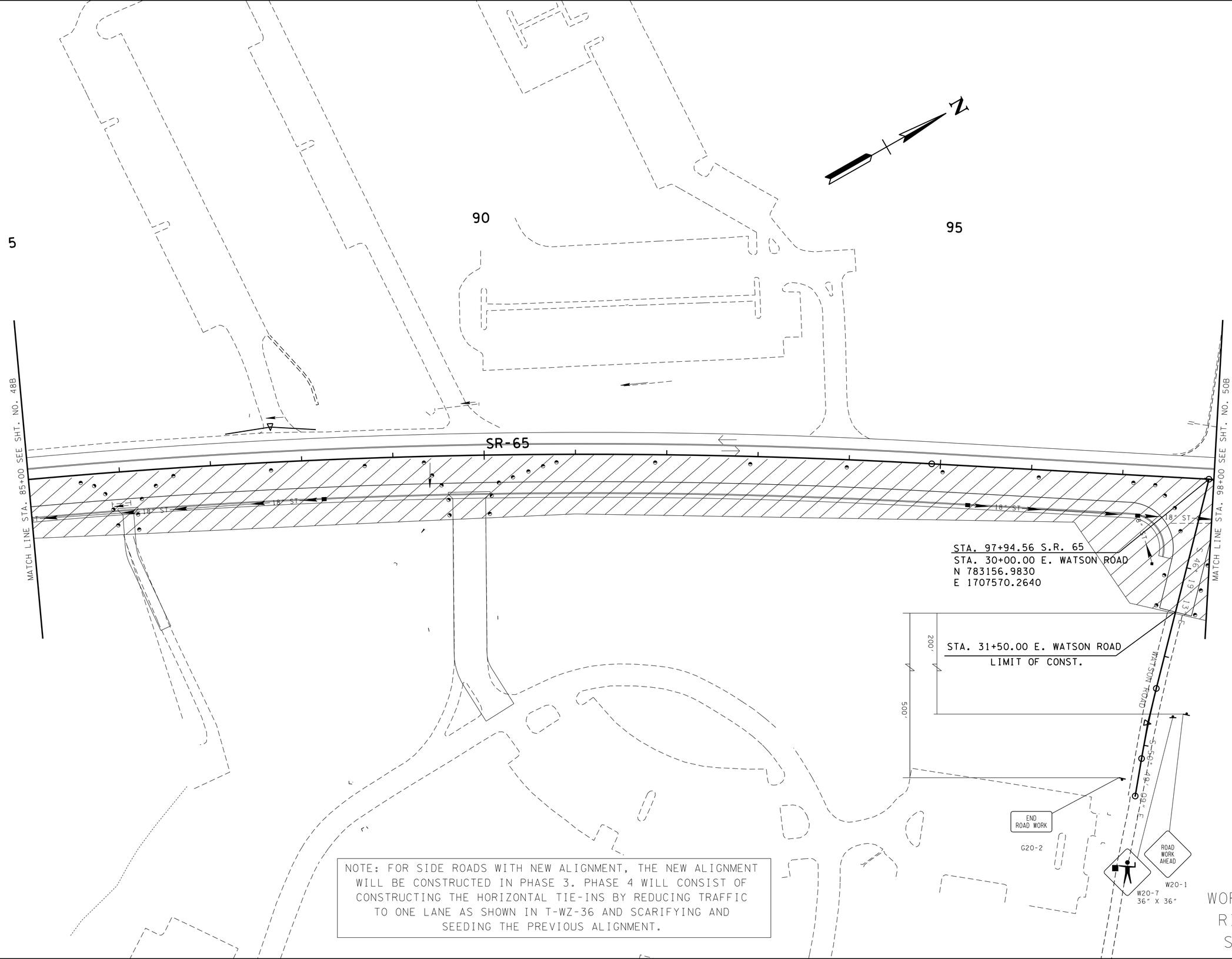
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34BB



NOTE: FOR SIDE ROADS WITH NEW ALIGNMENT, THE NEW ALIGNMENT WILL BE CONSTRUCTED IN PHASE 3. PHASE 4 WILL CONSIST OF CONSTRUCTING THE HORIZONTAL TIE-INS BY REDUCING TRAFFIC TO ONE LANE AS SHOWN IN T-WZ-36 AND SCARIFYING AND SEEDING THE PREVIOUS ALIGNMENT.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 3

STA. 85+00 TO STA. 98+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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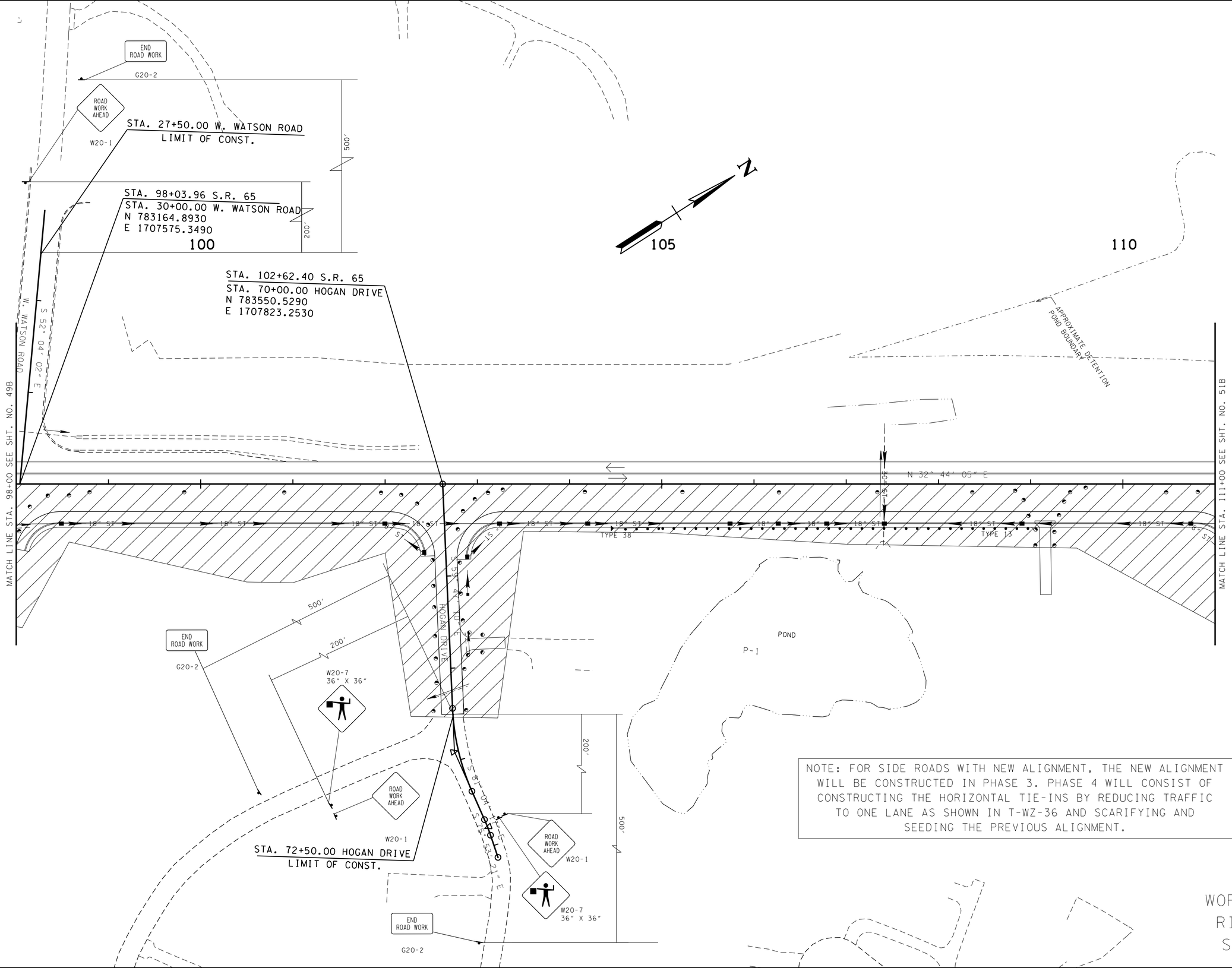
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34CC

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



NOTE: FOR SIDE ROADS WITH NEW ALIGNMENT, THE NEW ALIGNMENT WILL BE CONSTRUCTED IN PHASE 3. PHASE 4 WILL CONSIST OF CONSTRUCTING THE HORIZONTAL TIE-INS BY REDUCING TRAFFIC TO ONE LANE AS SHOWN IN T-WZ-36 AND SCARIFYING AND SEEDING THE PREVIOUS ALIGNMENT.

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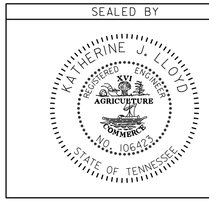
SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 3

STA. 98+00 TO STA. 111+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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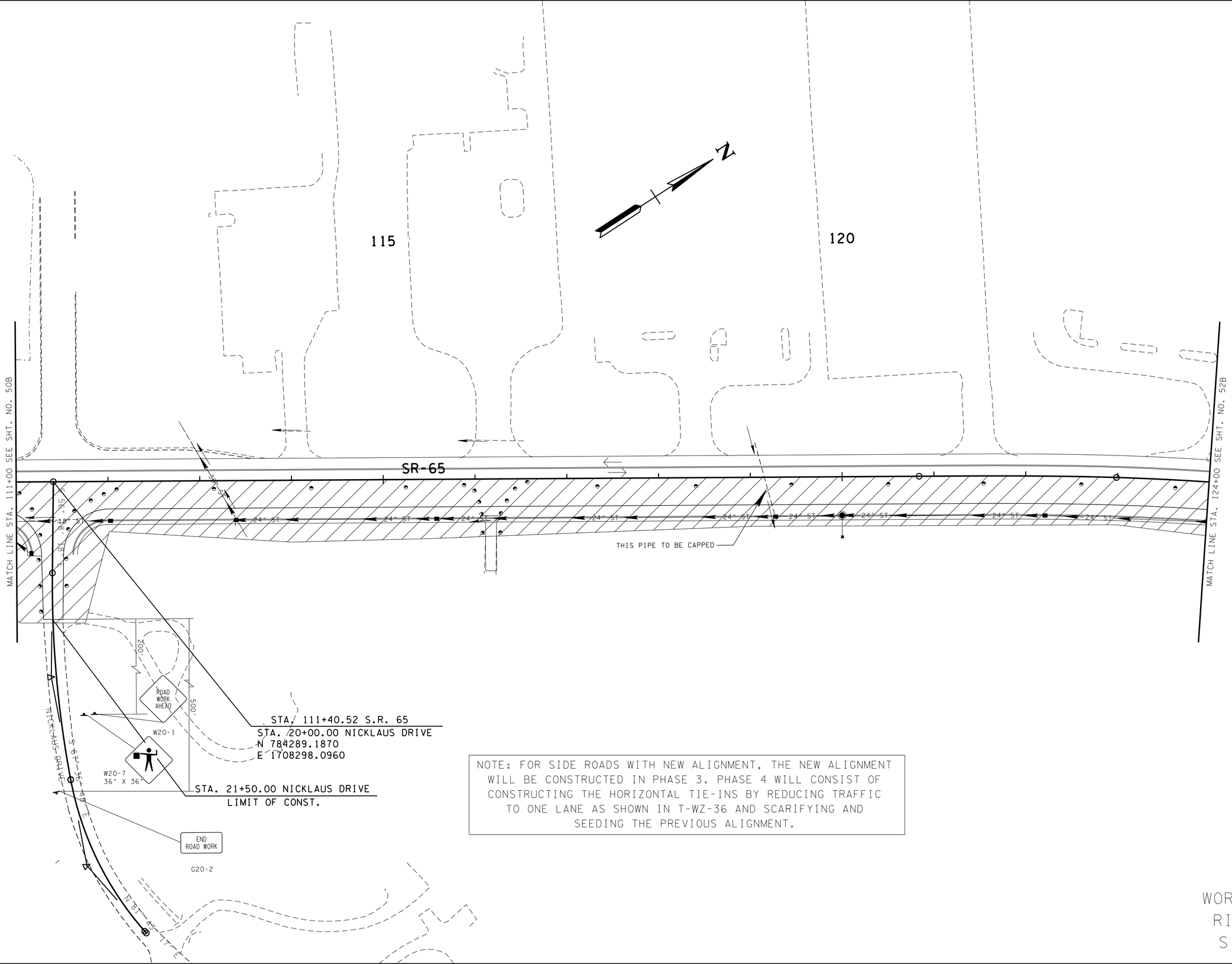
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34DD



NOTE: FOR SIDE ROADS WITH NEW ALIGNMENT, THE NEW ALIGNMENT WILL BE CONSTRUCTED IN PHASE 3. PHASE 4 WILL CONSIST OF CONSTRUCTING THE HORIZONTAL TIE-INS BY REDUCING TRAFFIC TO ONE LANE AS SHOWN IN T-WZ-36 AND SCARIFYING AND SEEDING THE PREVIOUS ALIGNMENT.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 3

STA. 111+00 TO STA. 124+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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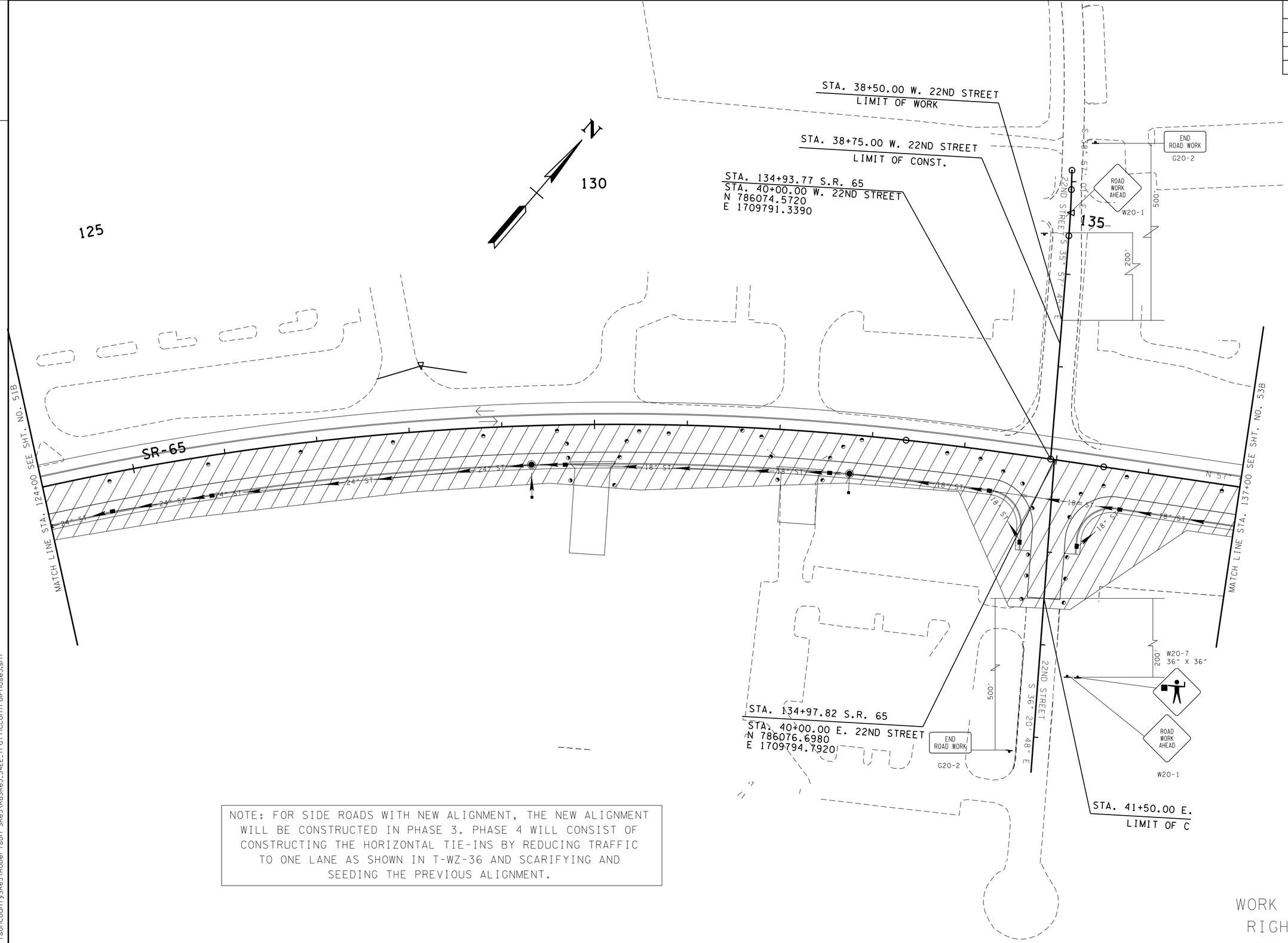
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34EE

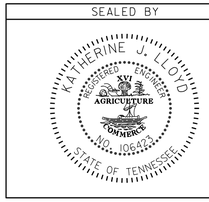
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



NOTE: FOR SIDE ROADS WITH NEW ALIGNMENT, THE NEW ALIGNMENT WILL BE CONSTRUCTED IN PHASE 3. PHASE 4 WILL CONSIST OF CONSTRUCTING THE HORIZONTAL TIE-INS BY REDUCING TRAFFIC TO ONE LANE AS SHOWN IN T-WZ-36 AND SCARIFYING AND SEEDING THE PREVIOUS ALIGNMENT.

WORK ON RIGHT SIDE

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 3

STA. 124+00 TO STA. 137+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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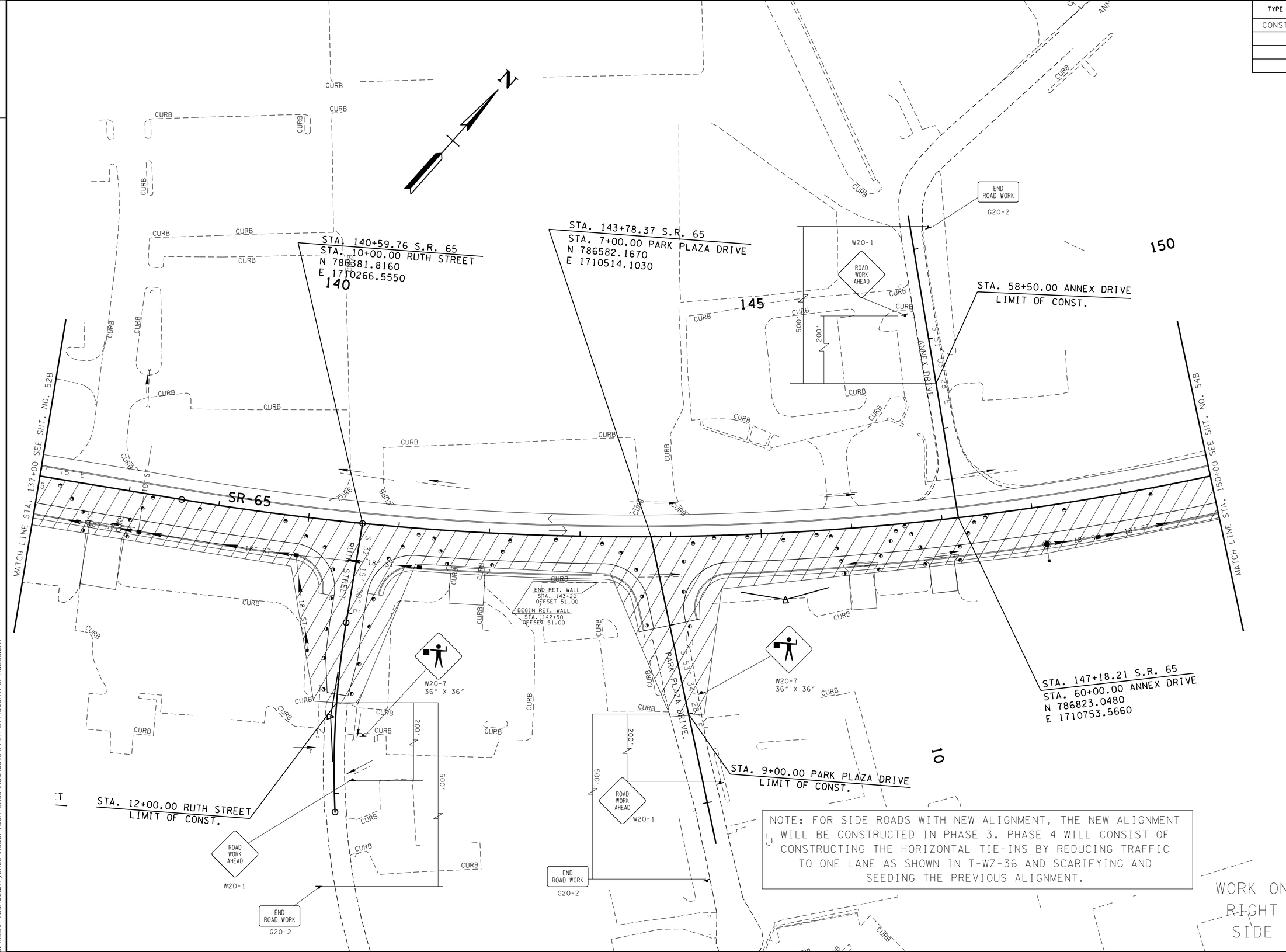
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34FF



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 3

STA. 137+00 TO STA. 150+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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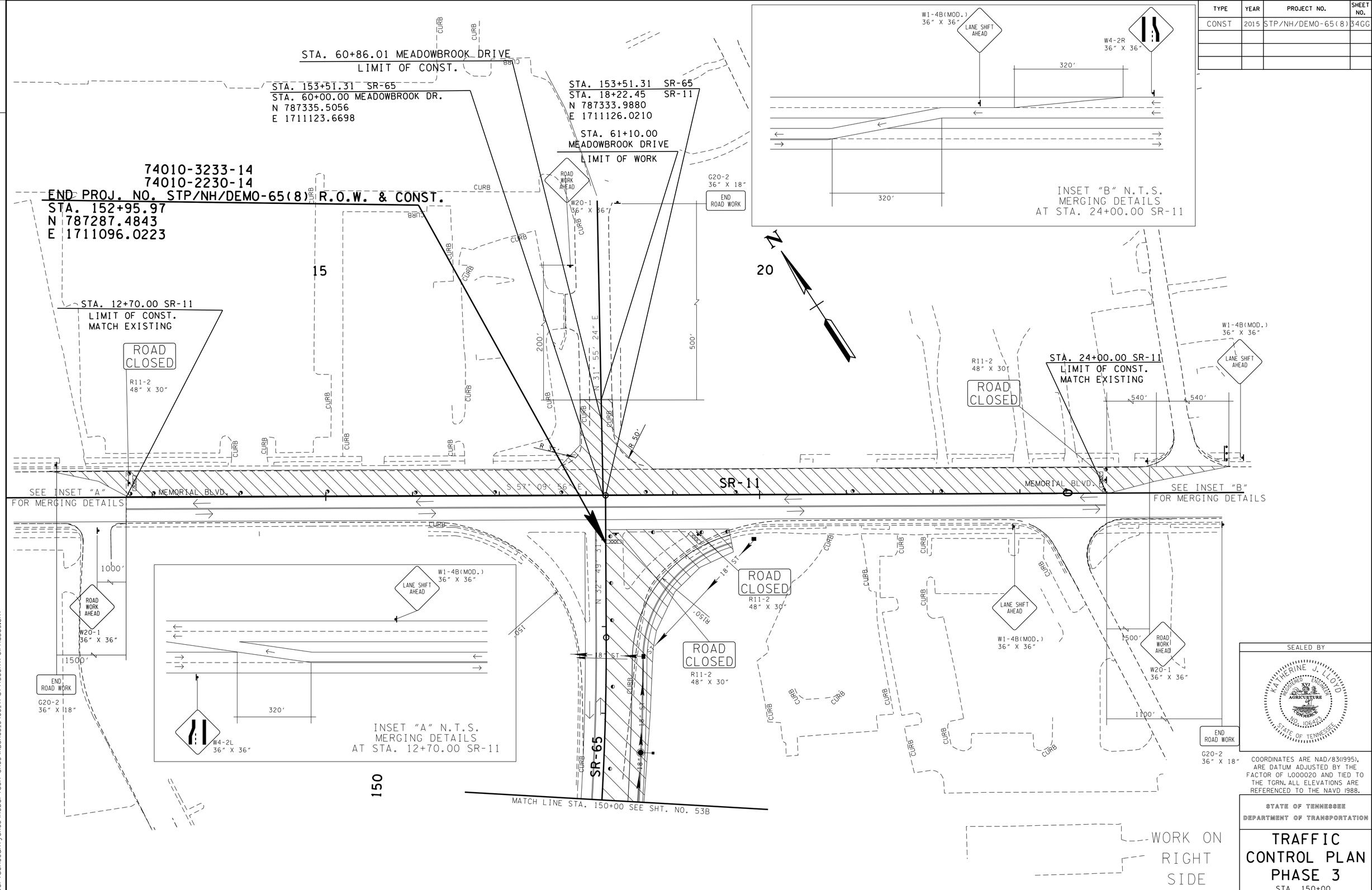
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34GG



SEALED BY

KATHERINE J. LLOYD
REGISTERED ENGINEER
XVI
AGRICULTURE
COMMERCE
NO. 106422
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 3

STA. 150+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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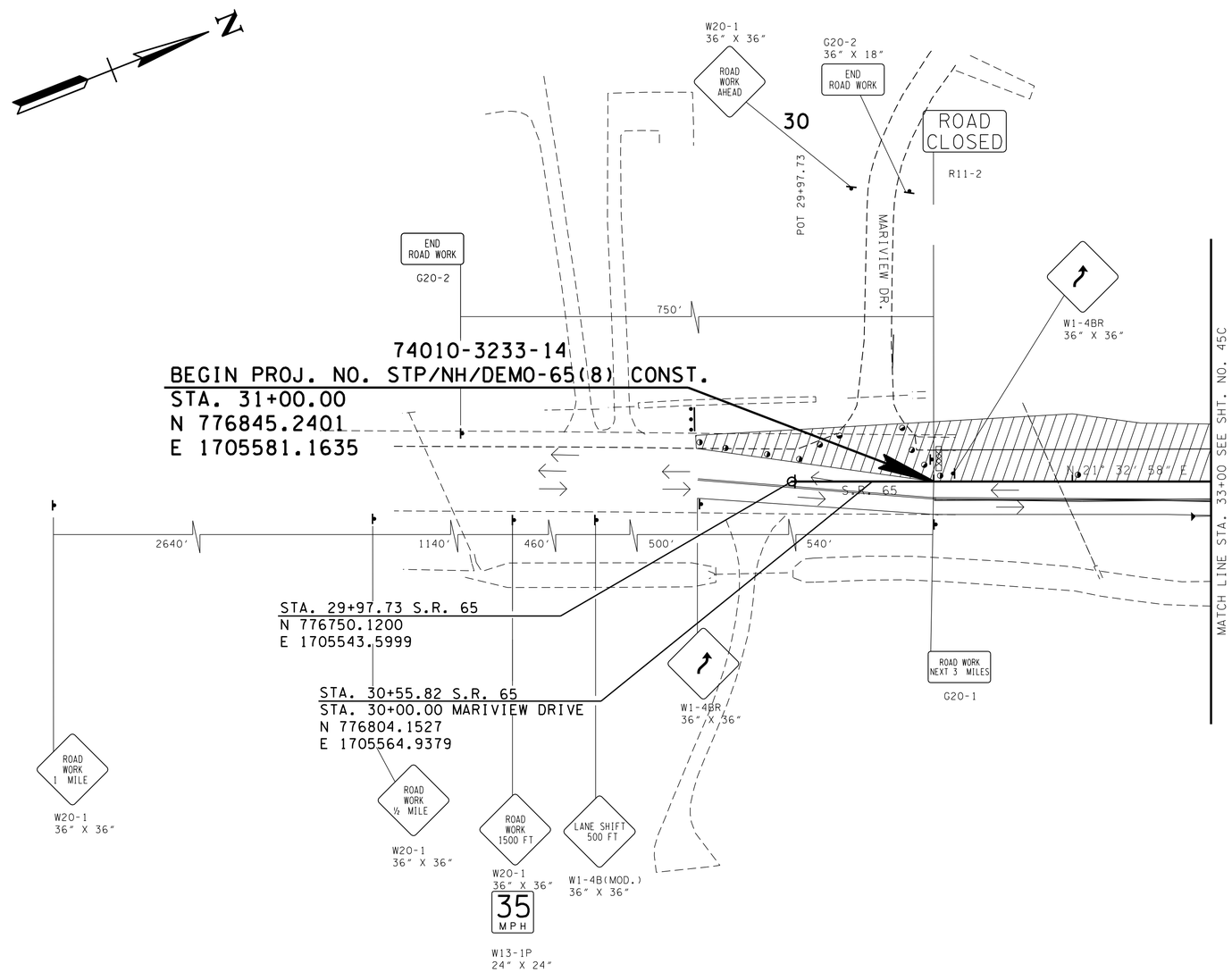
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34HH

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



WORK ON LEFT SIDE

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 4

STA. 30+00 TO STA. 33+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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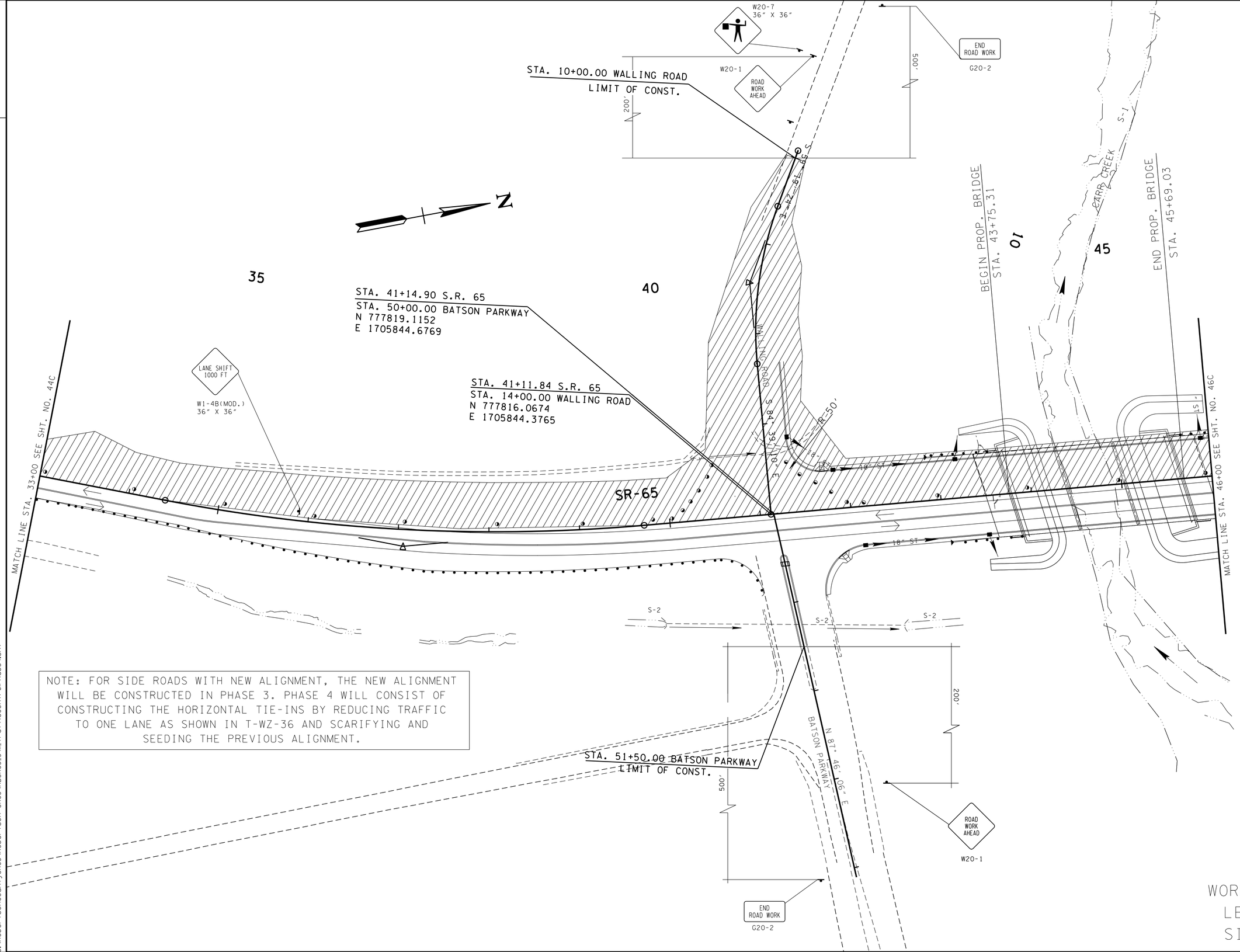
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	341I



NOTE: FOR SIDE ROADS WITH NEW ALIGNMENT, THE NEW ALIGNMENT WILL BE CONSTRUCTED IN PHASE 3. PHASE 4 WILL CONSIST OF CONSTRUCTING THE HORIZONTAL TIE-INS BY REDUCING TRAFFIC TO ONE LANE AS SHOWN IN T-WZ-36 AND SCARIFYING AND SEEDING THE PREVIOUS ALIGNMENT.

WORK ON LEFT SIDE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 4

STA. 33+00 TO STA. 46+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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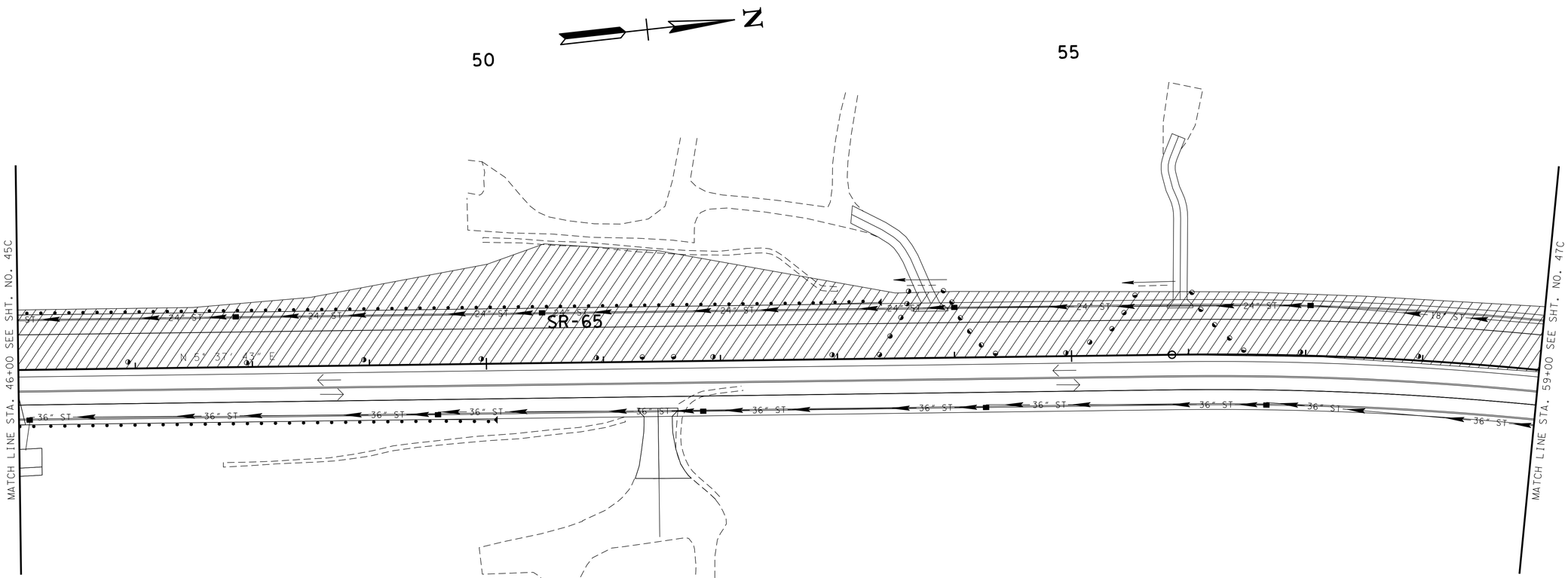
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34JJ



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LEFT
SIDE

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 4

STA. 46+00 TO STA. 59+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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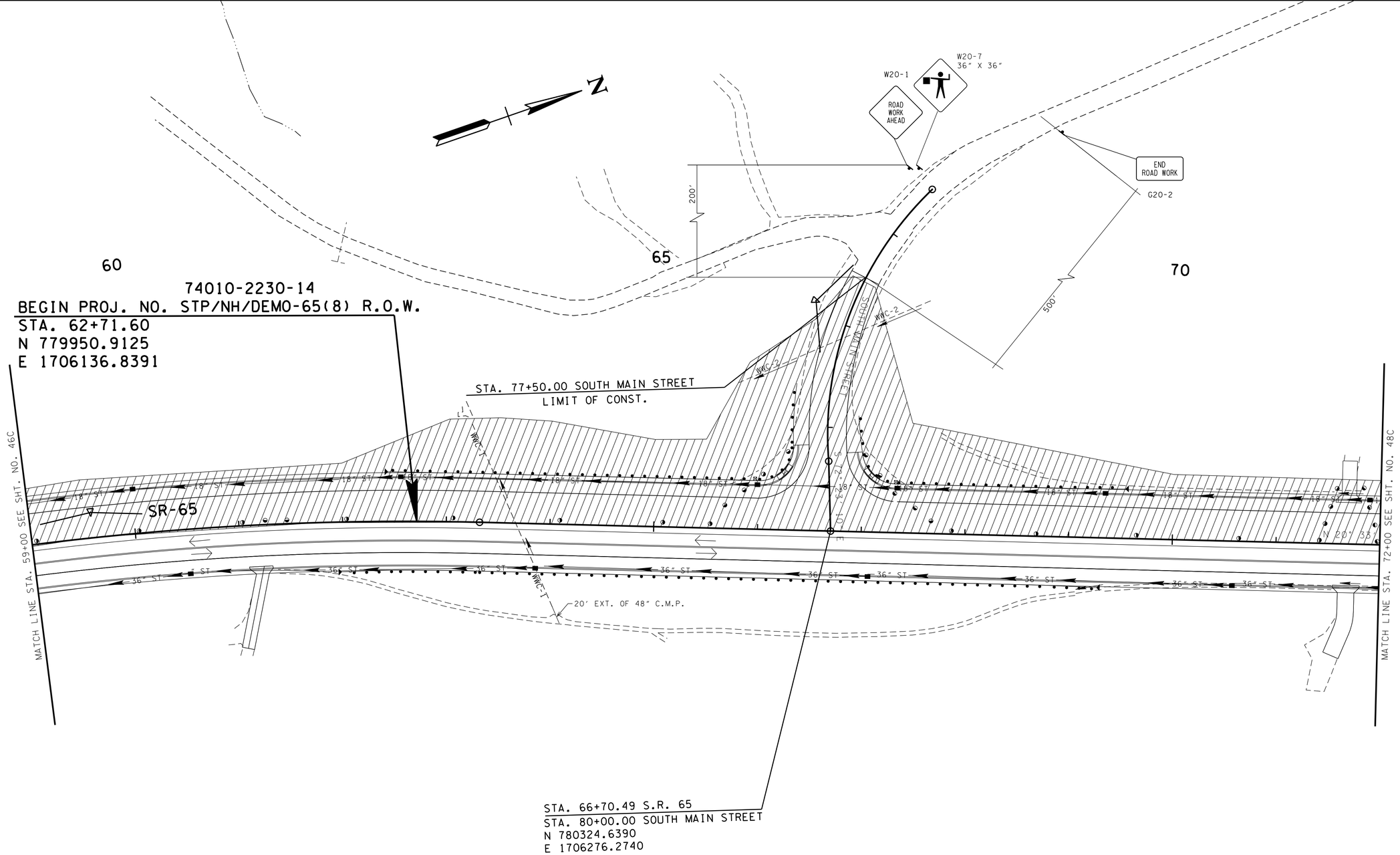
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34KK

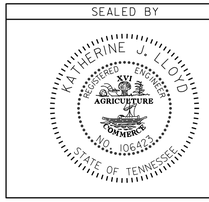
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



NOTE: FOR SIDE ROADS WITH NEW ALIGNMENT, THE NEW ALIGNMENT WILL BE CONSTRUCTED IN PHASE 3. PHASE 4 WILL CONSIST OF CONSTRUCTING THE HORIZONTAL TIE-INS BY REDUCING TRAFFIC TO ONE LANE AS SHOWN IN T-WZ-36 AND SCARIFYING AND SEEDING THE PREVIOUS ALIGNMENT.

WORK ON LEFT SIDE

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 4

STA. 59+00 TO STA. 72+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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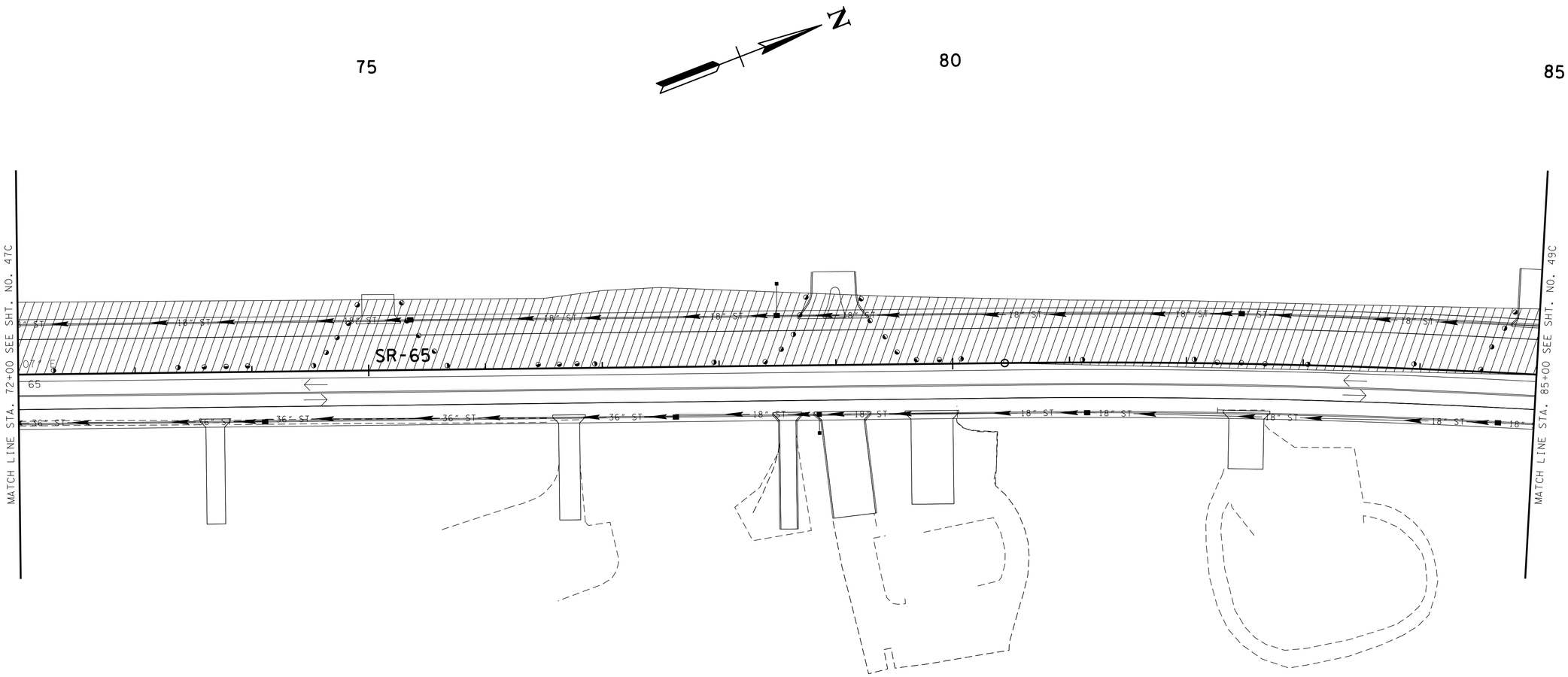
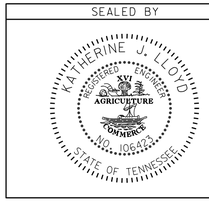
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34LL



WORK ON LEFT SIDE

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 4

STA. 72+00 TO STA. 85+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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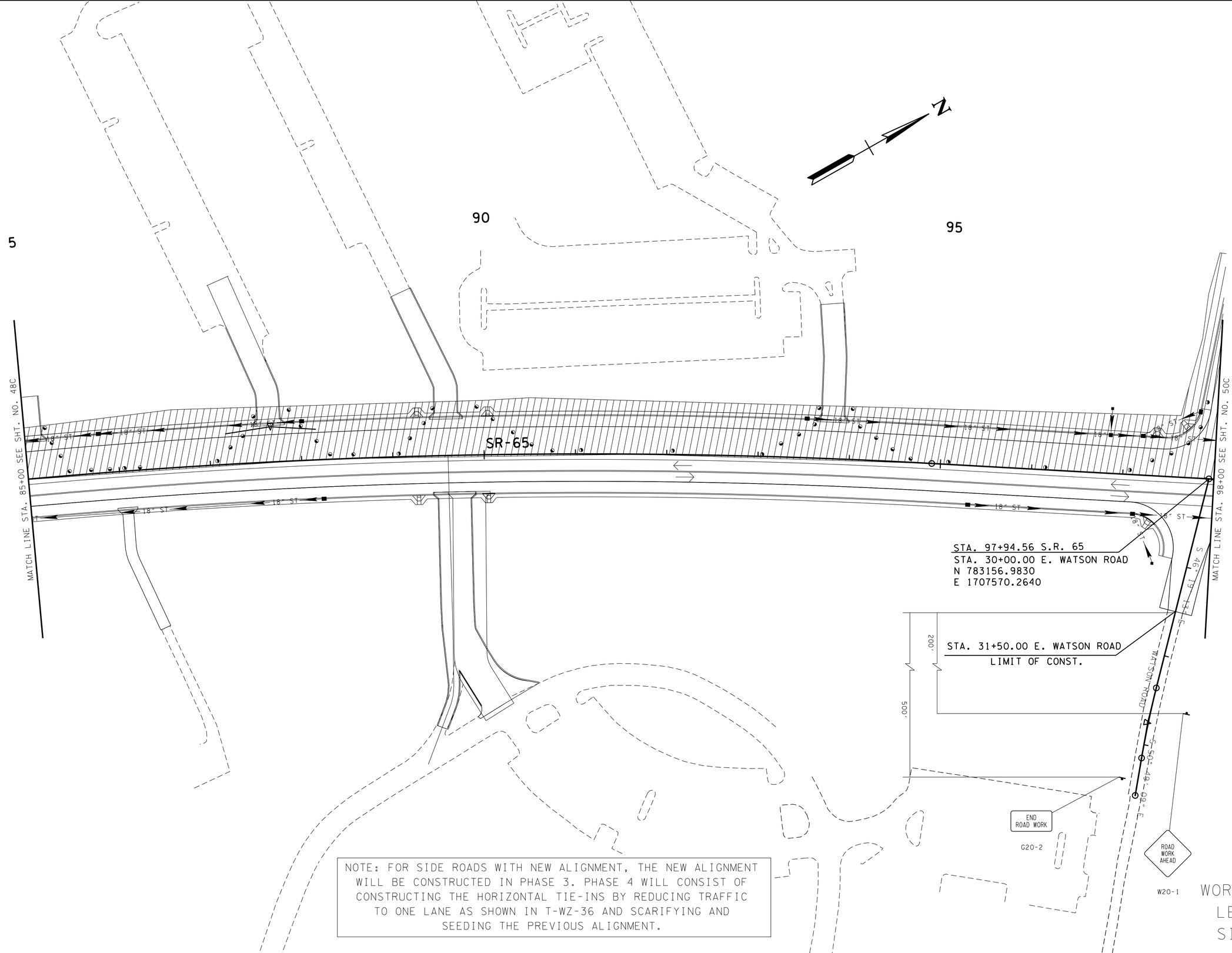
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34MM



NOTE: FOR SIDE ROADS WITH NEW ALIGNMENT, THE NEW ALIGNMENT WILL BE CONSTRUCTED IN PHASE 3. PHASE 4 WILL CONSIST OF CONSTRUCTING THE HORIZONTAL TIE-INS BY REDUCING TRAFFIC TO ONE LANE AS SHOWN IN T-WZ-36 AND SCARIFYING AND SEEDING THE PREVIOUS ALIGNMENT.

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DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 4

STA. 85+00 TO STA. 98+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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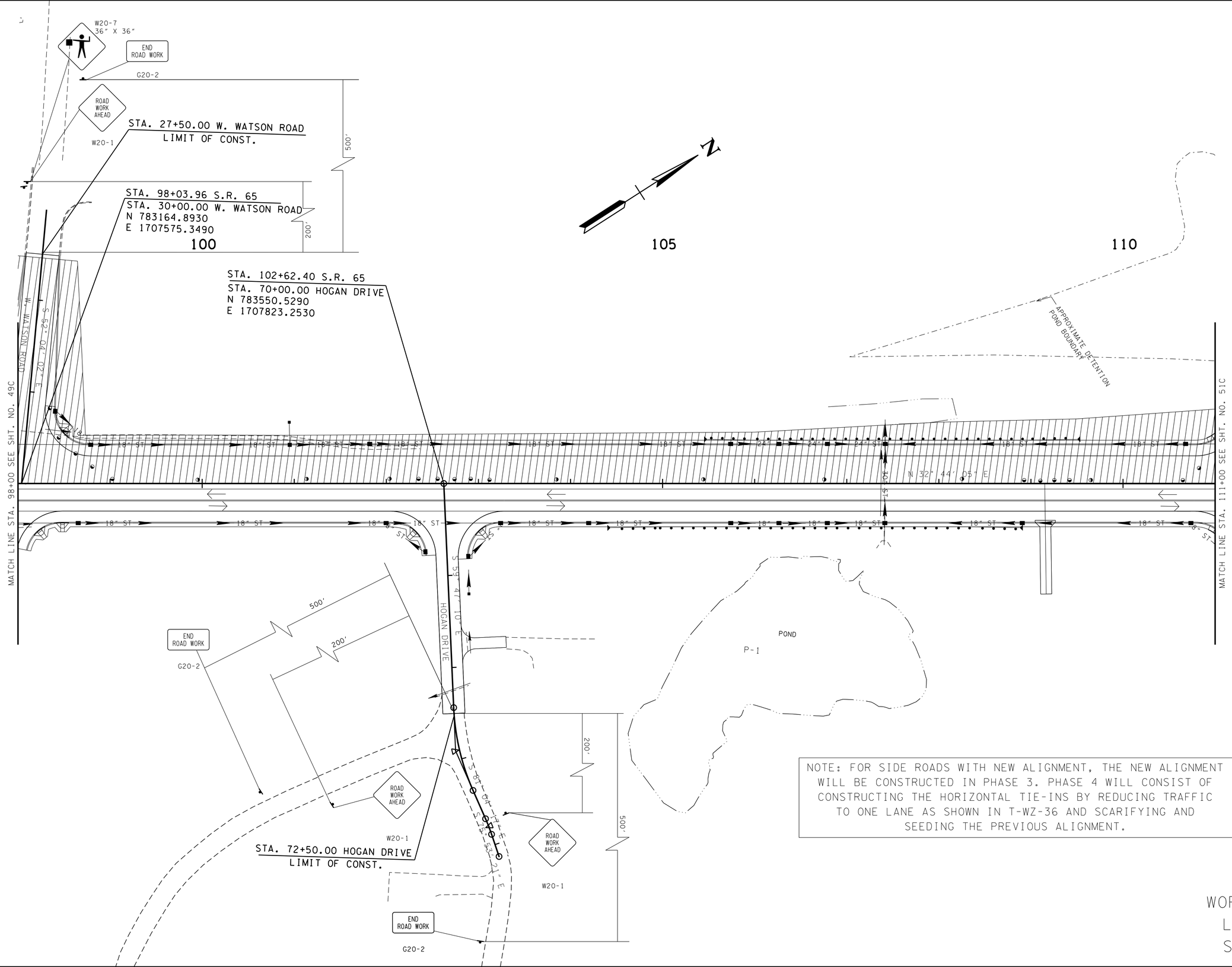
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34NN

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



WORK ON LEFT SIDE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 4

STA. 98+00 TO STA. 111+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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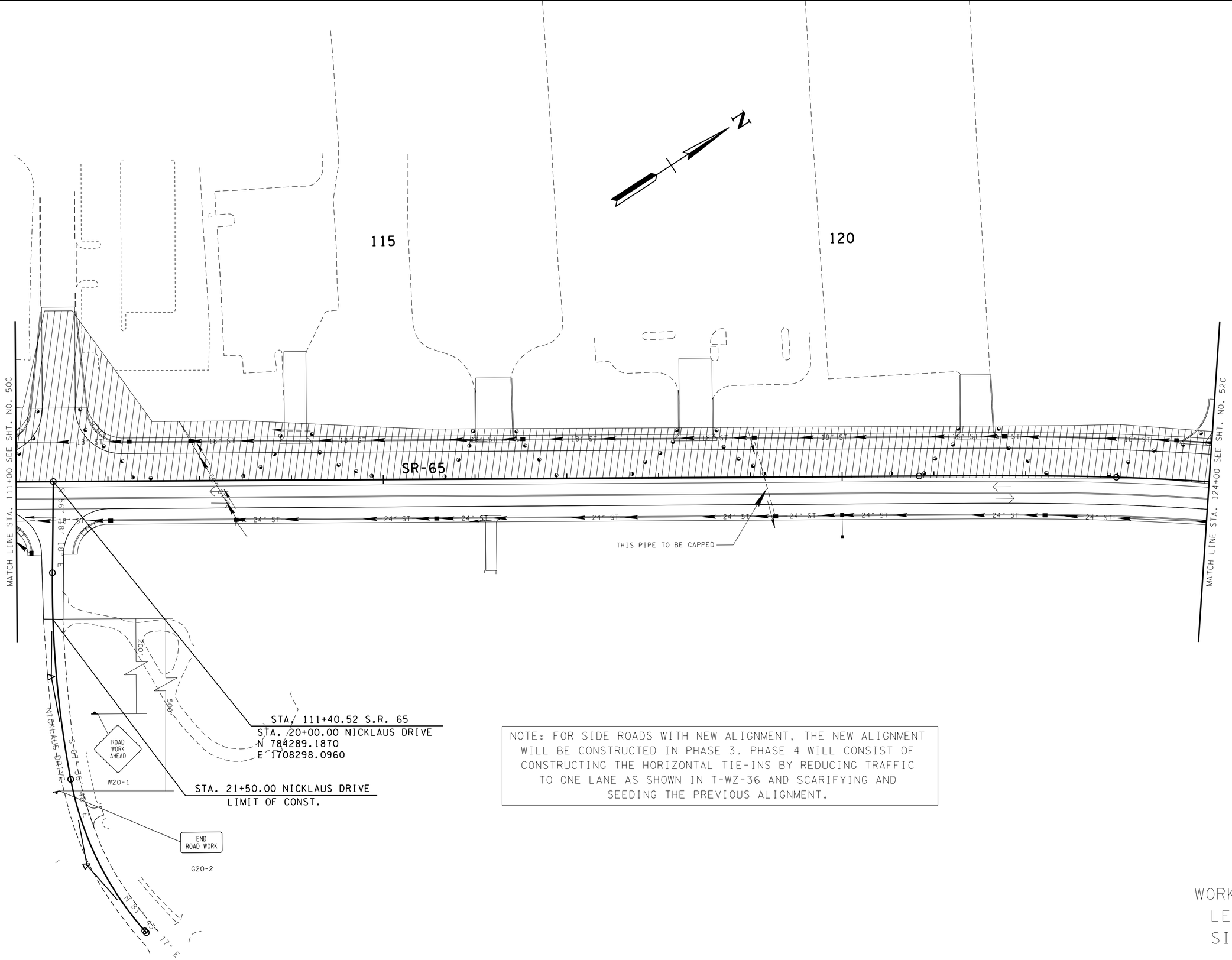
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34PP

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



NOTE: FOR SIDE ROADS WITH NEW ALIGNMENT, THE NEW ALIGNMENT WILL BE CONSTRUCTED IN PHASE 3. PHASE 4 WILL CONSIST OF CONSTRUCTING THE HORIZONTAL TIE-INS BY REDUCING TRAFFIC TO ONE LANE AS SHOWN IN T-WZ-36 AND SCARIFYING AND SEEDING THE PREVIOUS ALIGNMENT.

WORK ON LEFT SIDE

SEALED BY

KATHERINE J. LLOYD
REGISTERED ENGINEER
AGRICULTURE & COMMERCE
NO. 106422
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 4

STA. 111+00 TO STA. 124+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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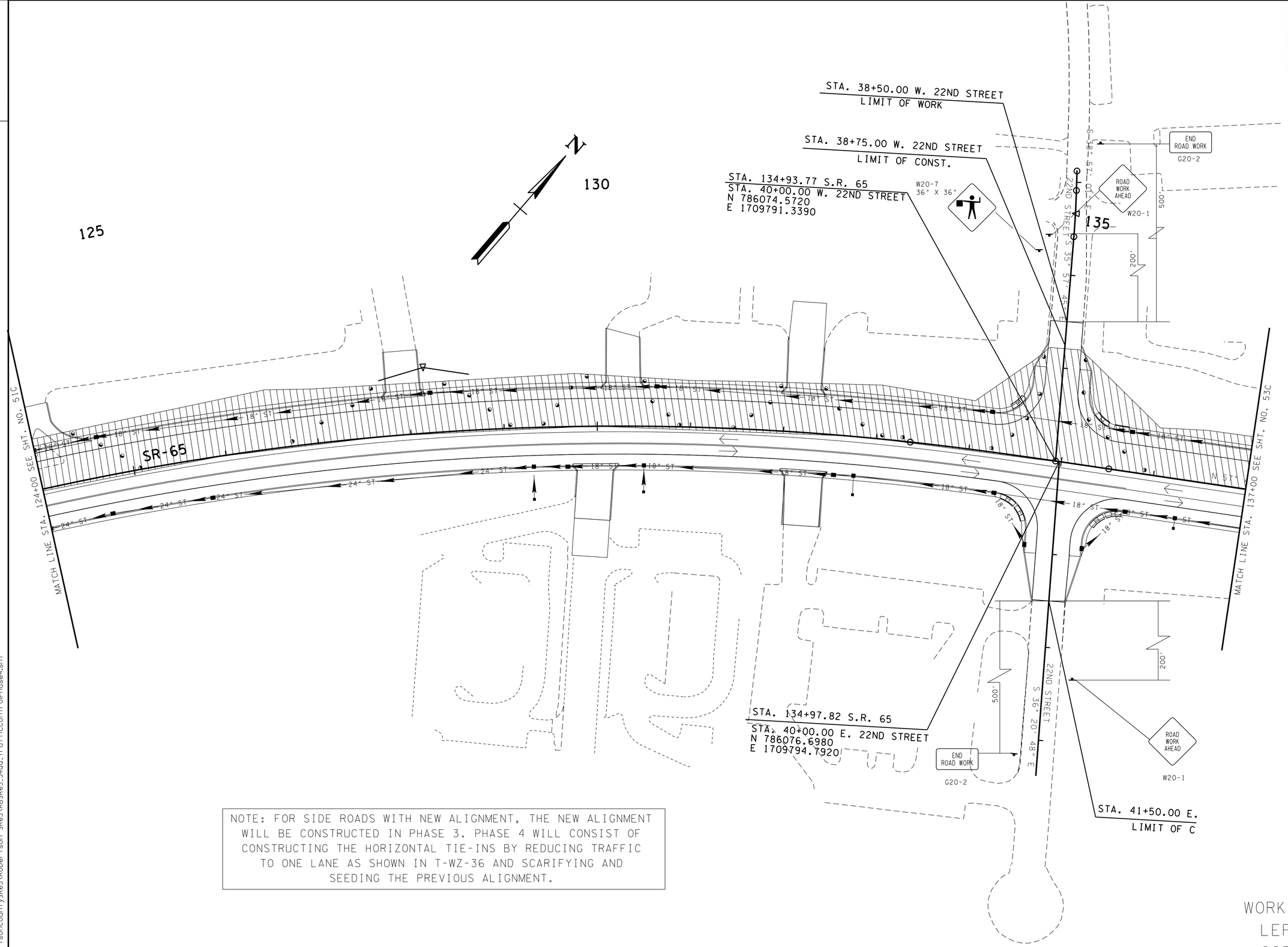
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	3400

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



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WORK ON LEFT SIDE

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 4

STA. 124+00 TO STA. 137+00

SCALE: 1"= 50'

9-MAY-2015 09:57
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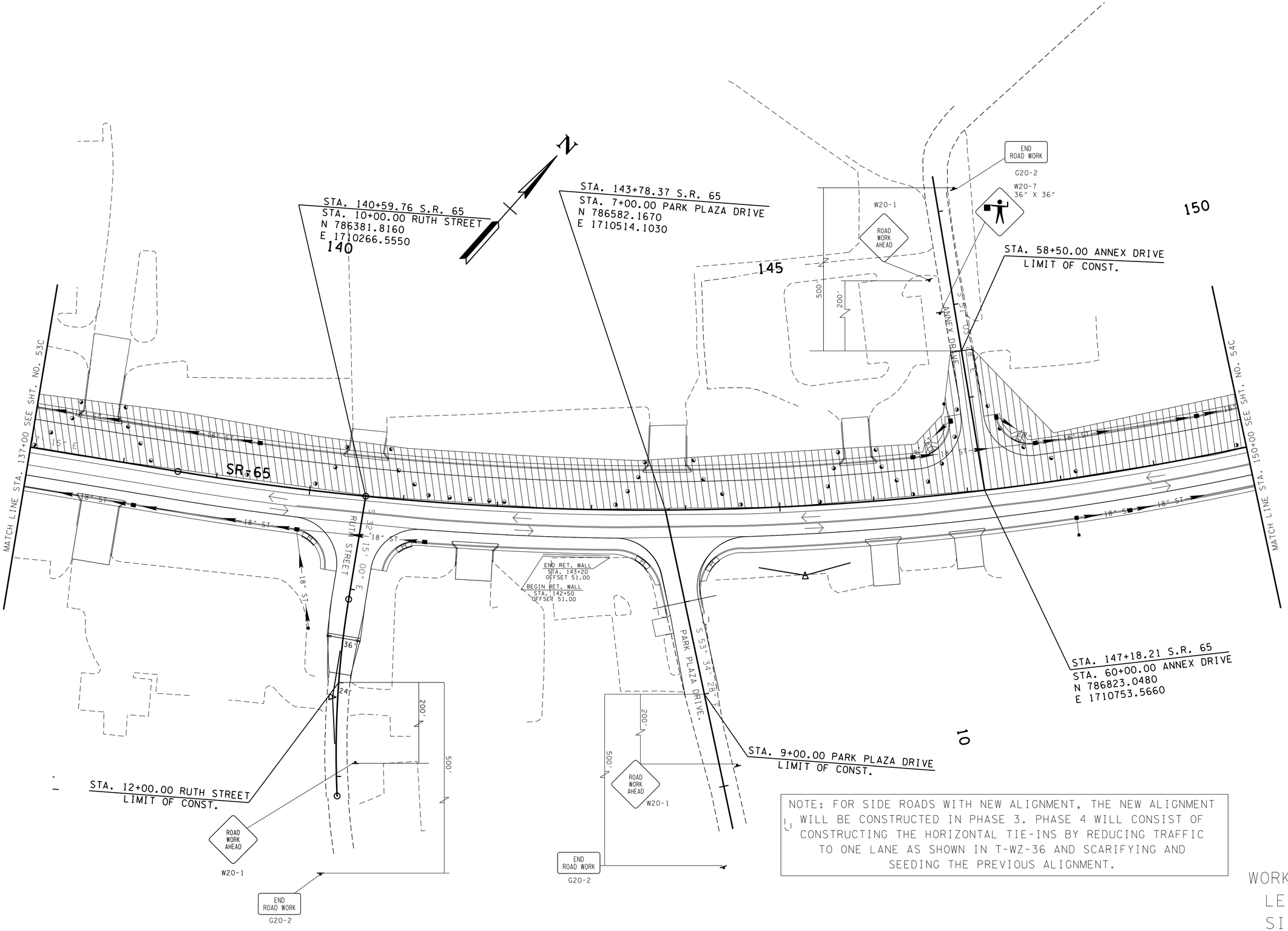
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34RR

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



NOTE: FOR SIDE ROADS WITH NEW ALIGNMENT, THE NEW ALIGNMENT WILL BE CONSTRUCTED IN PHASE 3. PHASE 4 WILL CONSIST OF CONSTRUCTING THE HORIZONTAL TIE-INS BY REDUCING TRAFFIC TO ONE LANE AS SHOWN IN T-WZ-36 AND SCARIFYING AND SEEDING THE PREVIOUS ALIGNMENT.

WORK ON LEFT SIDE

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 4

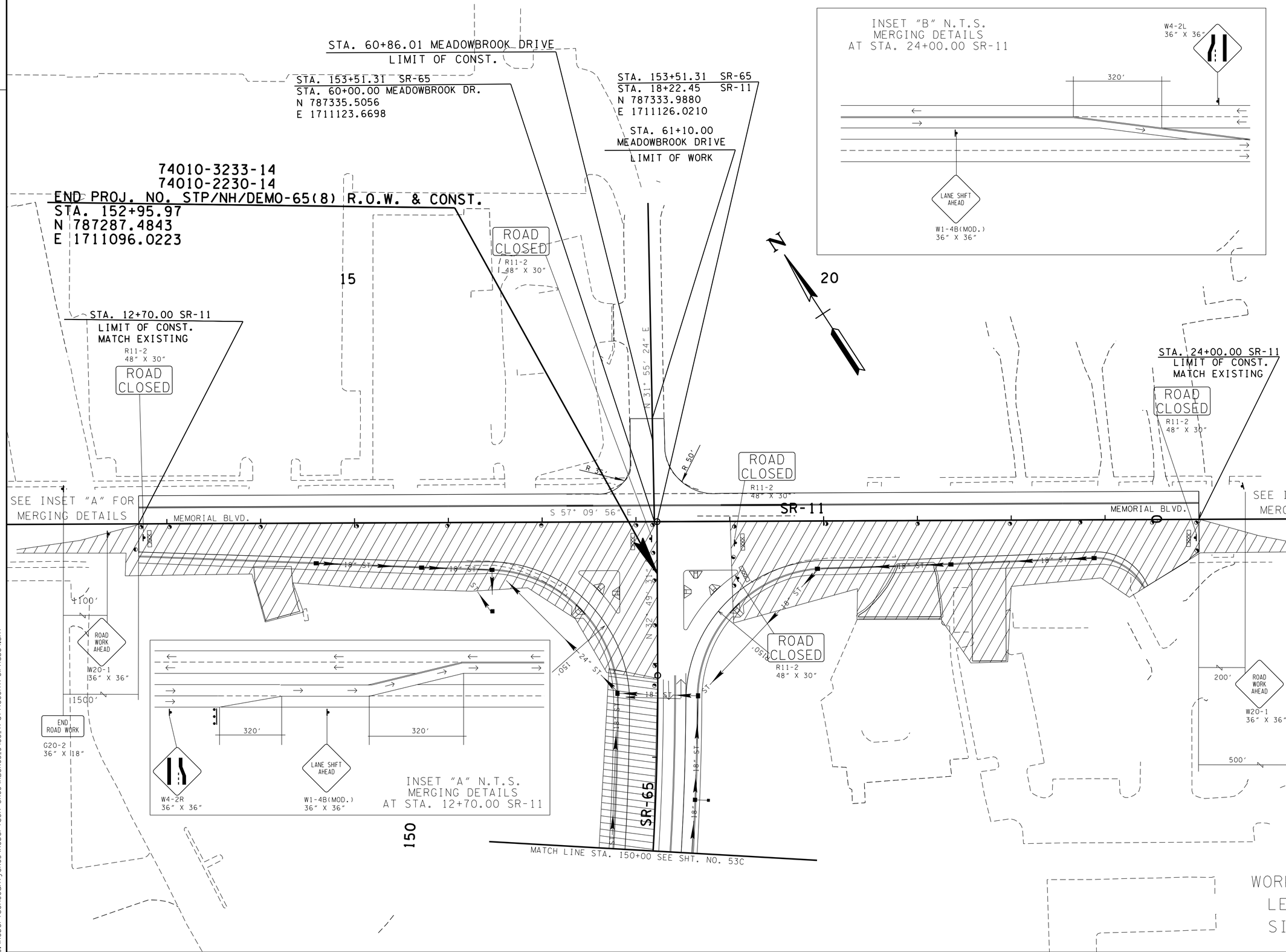
STA. 137+00 TO STA. 150+00

SCALE: 1"= 50'

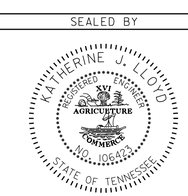
9-MAY-2015 09:57
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34RR_TrafficControlPhase4.sht

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	34SS



SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

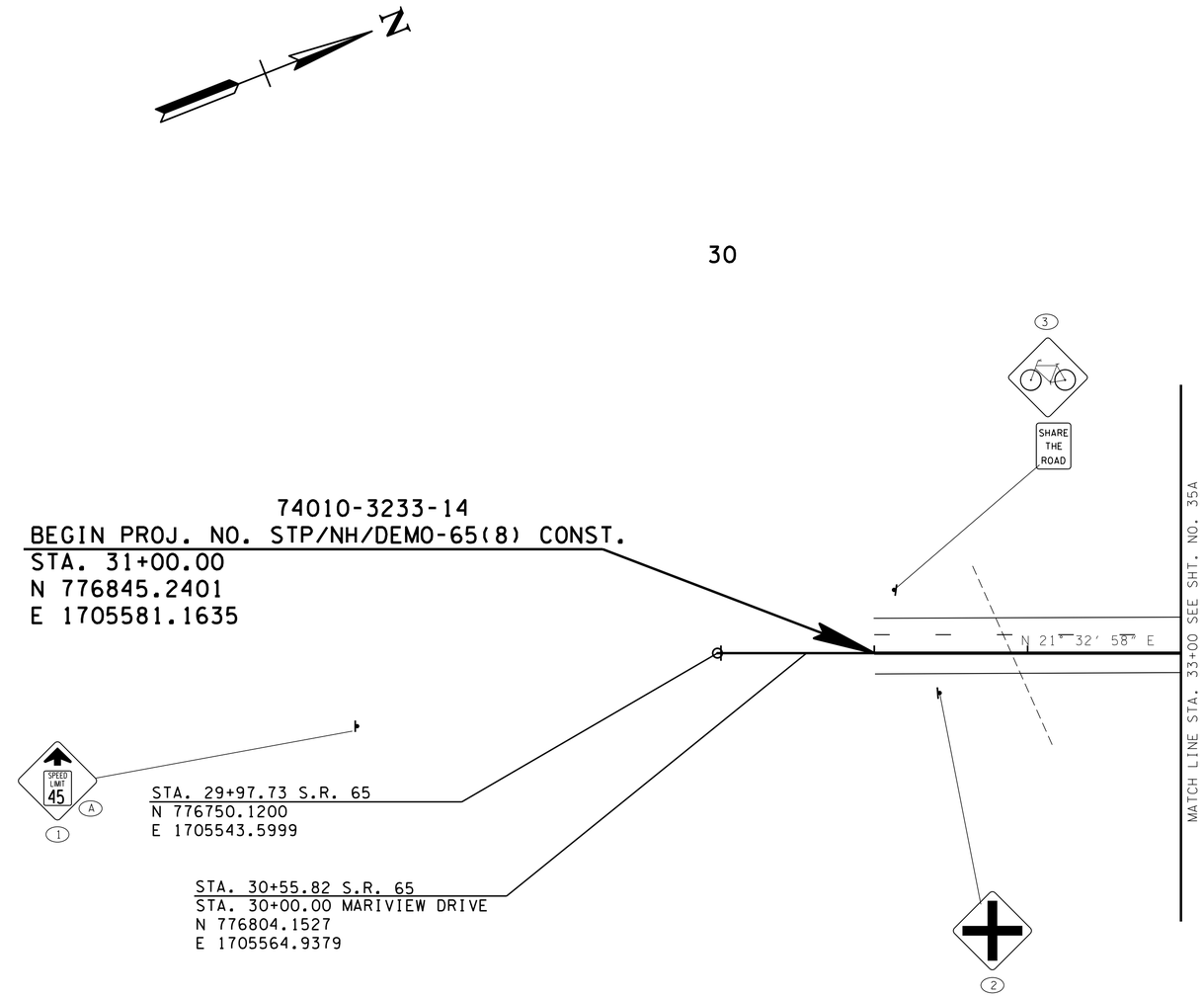
TRAFFIC CONTROL PLAN PHASE 4

STA. 150+00

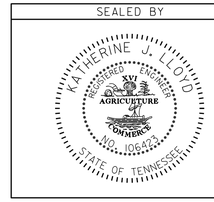
SCALE: 1"= 50'

9-MAY-2015 09:57
C:\RobertsonCountySR65\Robertson SR65\RBSR65_34SS_TrafficControlPhase4.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	35



SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING

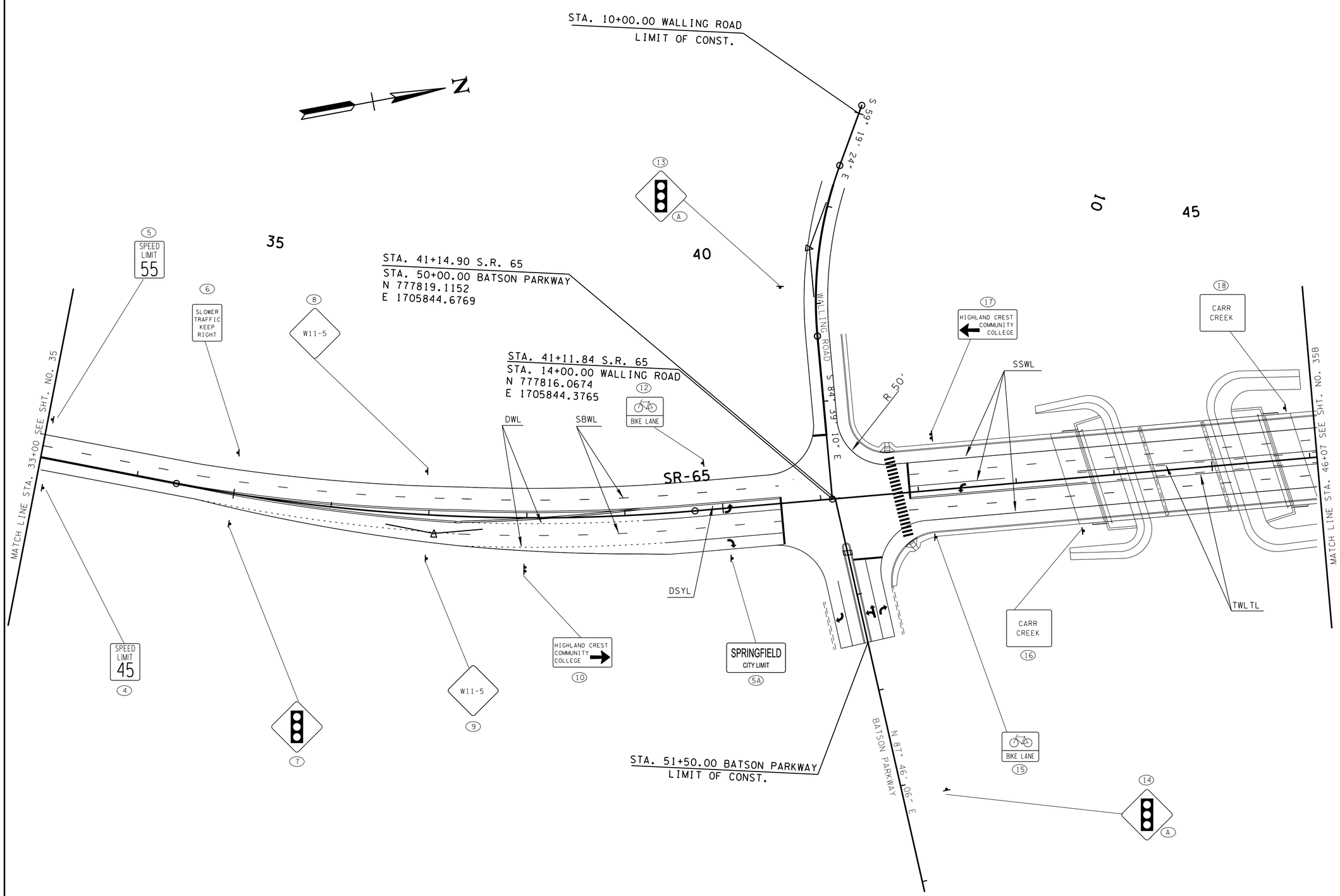
STA. 30+00 TO STA. 33+00

SCALE: 1:50

(A) TO BE LOCATED AS DIRECTED BY THE ENGINEER.

19-MAY-2015 09:57
C:\RobertsonCountySR65\Robertson SR65\RBSR65_35_SignPvmntMkg.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	35A



(A) TO BE LOCATED AS DIRECTED BY THE ENGINEER.

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

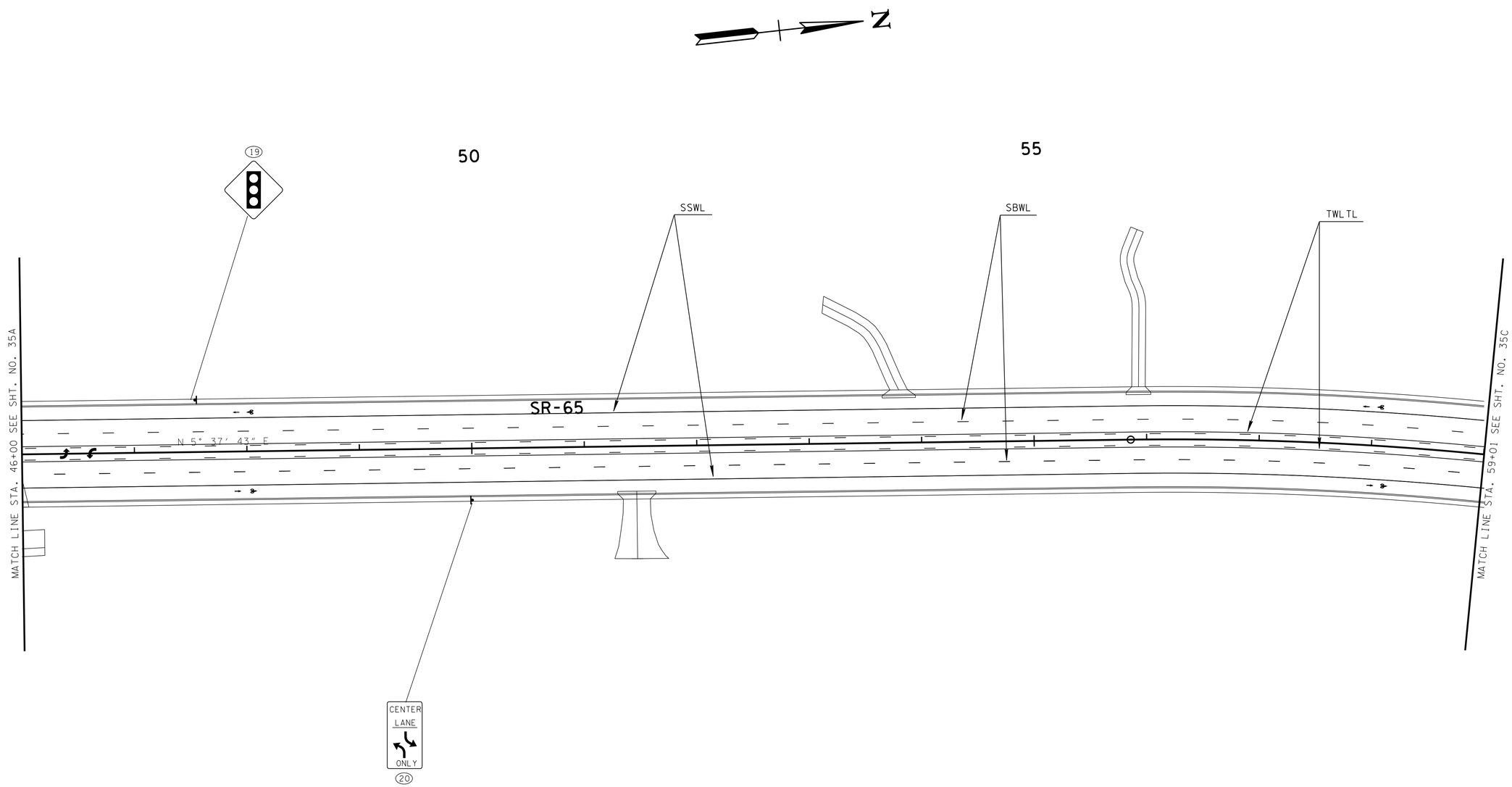
SIGNING AND PAVEMENT MARKING

STA. 33+00 TO STA. 46+07

SCALE: 1:50

9-MAY-2015 09:57
c:\RobertsonCountySR65\Robertson SR65\RBSR65_35A_SignPvmntMkg.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	35B



SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

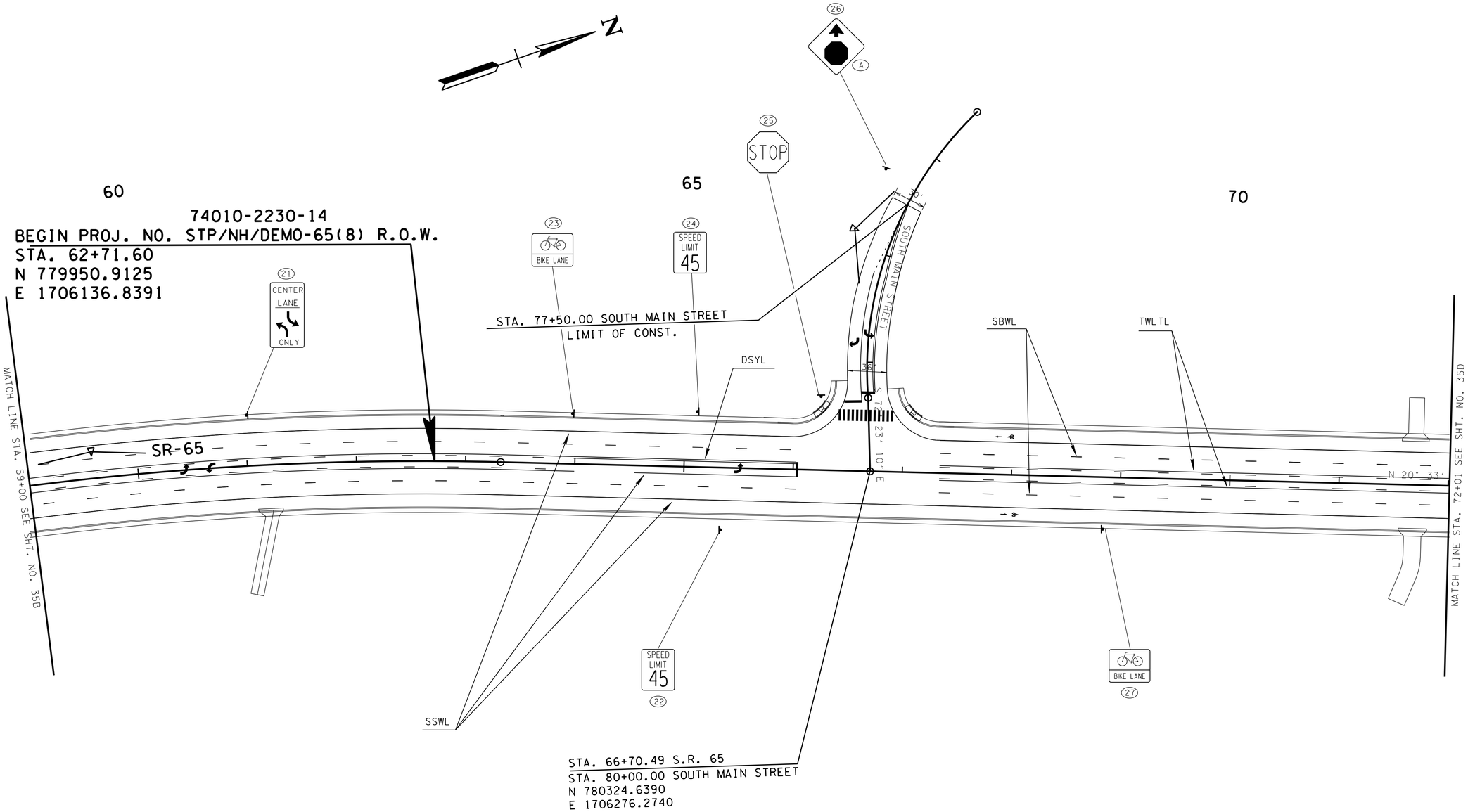
SIGNING AND PAVEMENT MARKING

STA. 46+00 TO STA. 59+01

SCALE: 1:50

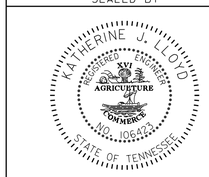
9-MAY-2015 09:57
c:\RobertsonCountySR65\Robertson SR65\RBSR65_35B_SignPvmntMkg.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	35C



(A) TO BE LOCATED AS DIRECTED BY THE ENGINEER.

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

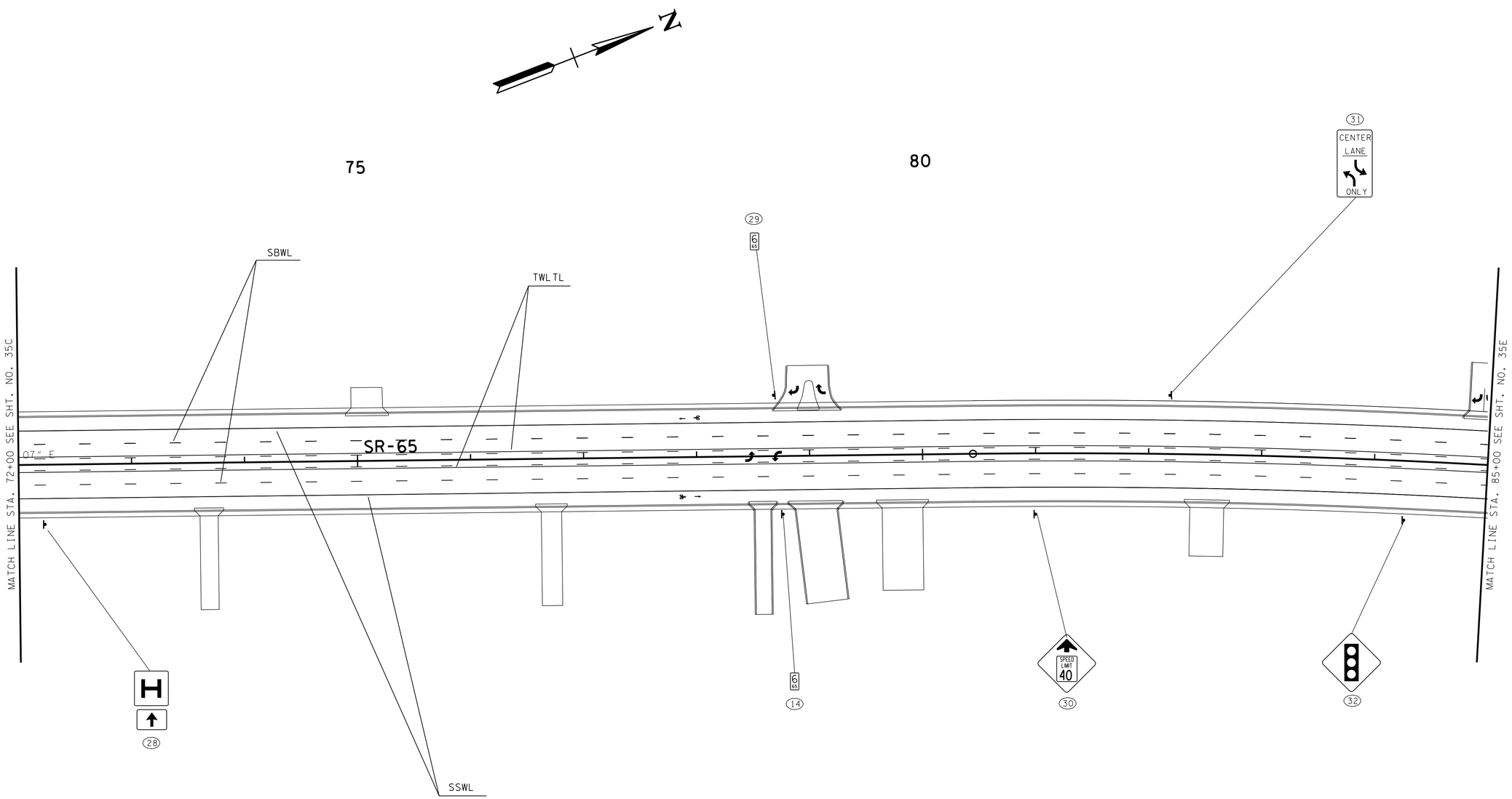
SIGNING AND PAVEMENT MARKING

STA. 59+00 TO STA. 72+01

SCALE: 1:50

9-MAY-2015 09:57
C:\RobertsonCountySR65\Robertson SR65\RBSR65_35C_SignPvmntMkg.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	35D



SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE

DEPARTMENT OF TRANSPORTATION

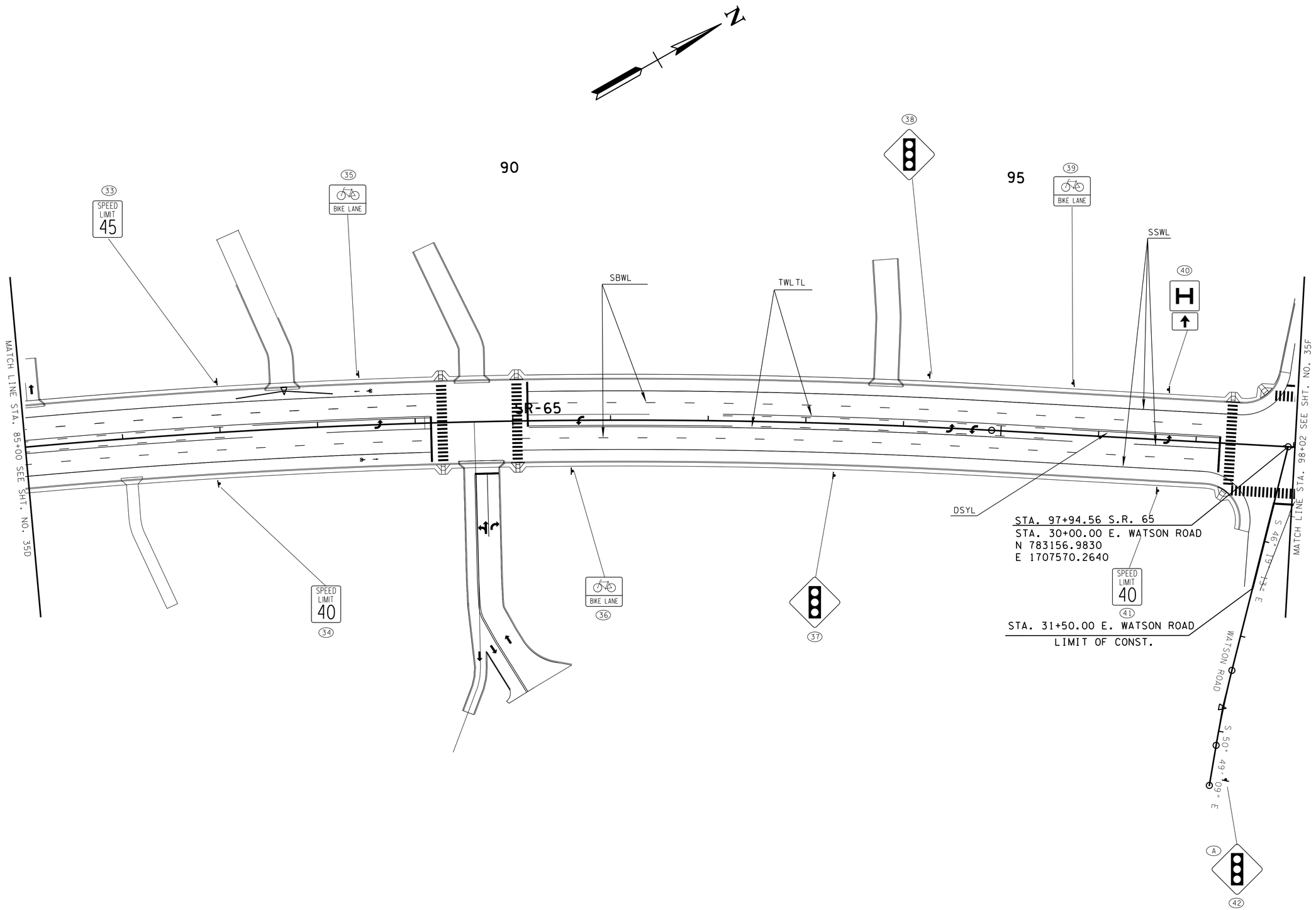
SIGNING AND PAVEMENT MARKING

STA. 72+00 TO STA. 85+00

SCALE: 1:50

9-MAY-2015 09:57
C:\RobertsonCountySR65\Robertson SR65\RBSR65_35D_SignPvmntMkg.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	35E



(A) TO BE LOCATED AS DIRECTED BY THE ENGINEER.

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

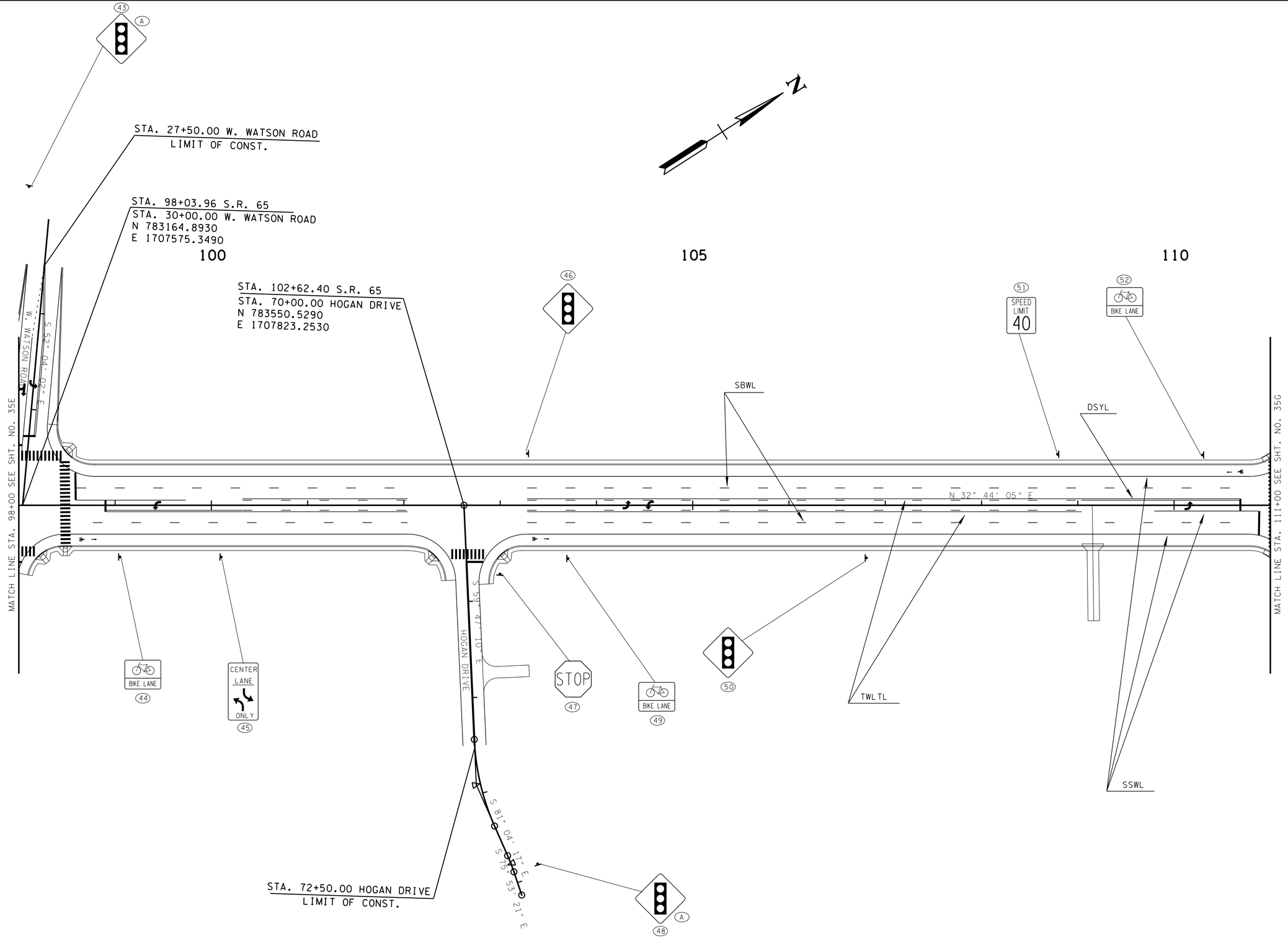
SIGNING AND PAVEMENT MARKING

STA. 85+00 TO STA. 98+02

SCALE: 1:50

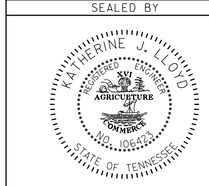
9-MAY-2015 09:57
c:\RobertsonCountySR65\Robertson SR65\RBSR65_35E_SignPvmntMkg.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	35F



(A) TO BE LOCATED AS DIRECTED BY THE ENGINEER.

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

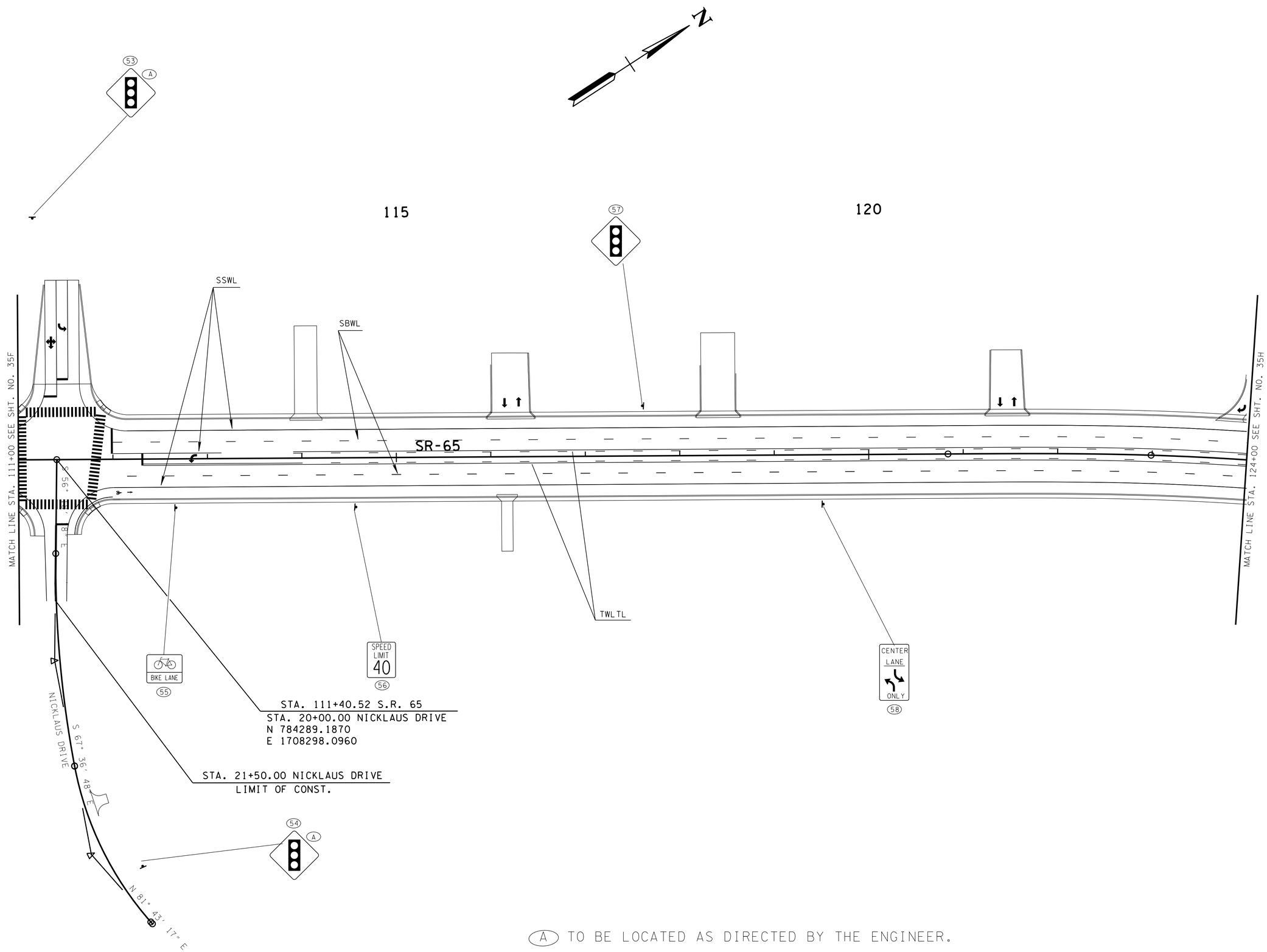
SIGNING AND PAVEMENT MARKING

STA. 98+00 TO STA.111+00

SCALE: 1:50

9-MAY-2015 09:58
C:\RobertsonCountySR65\Robertson SR65\RBSR65_35F_SignPvmntMkg.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	35G



(A) TO BE LOCATED AS DIRECTED BY THE ENGINEER.

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

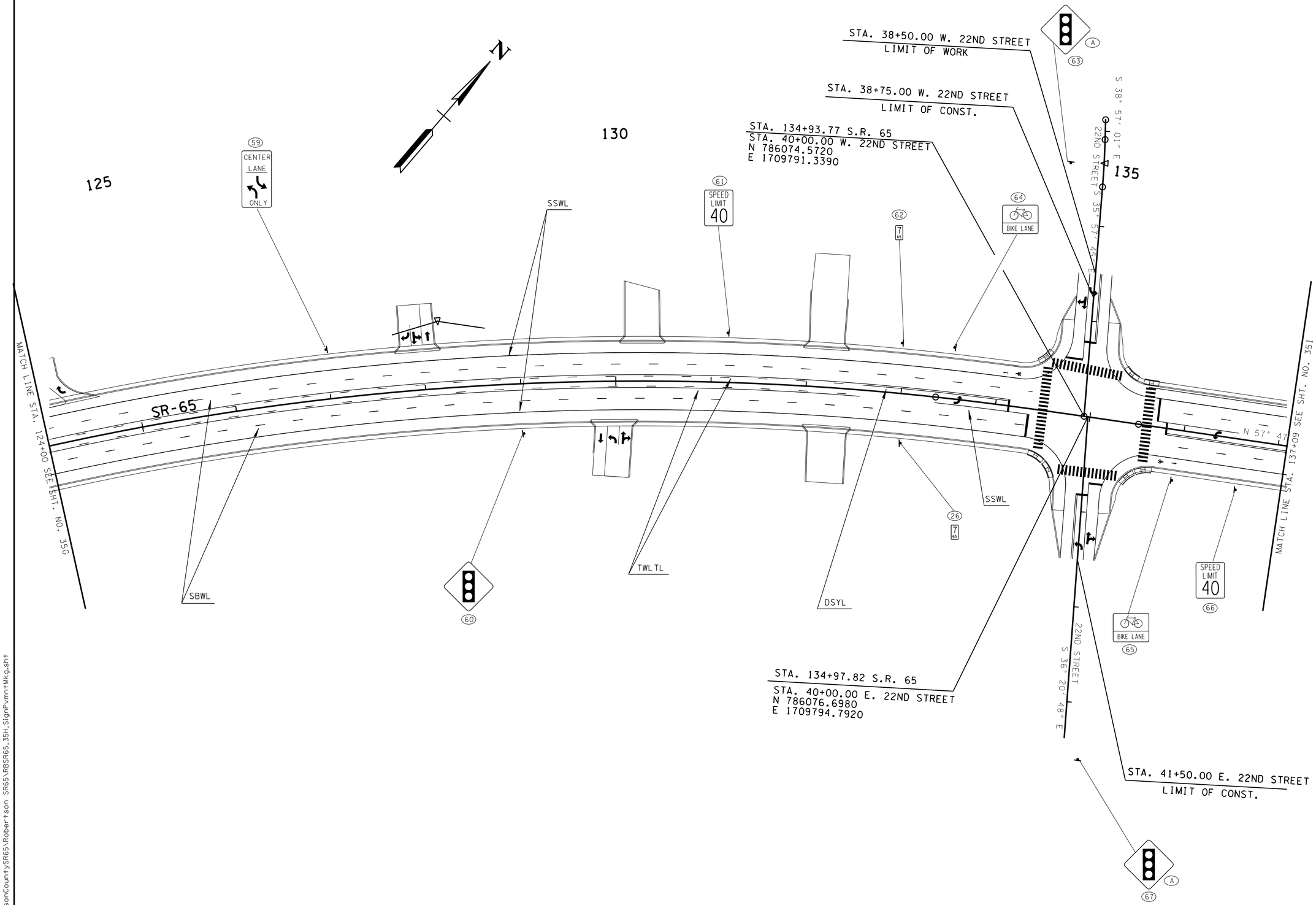
SIGNING AND PAVEMENT MARKING

STA.111+00 TO STA.124+00

SCALE: 1:50

9-MAY-2015 09:58
C:\RobertsonCountySR65\Robertson SR65\RBSR65.35G.SignPvmntMkg.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	35H



(A) TO BE LOCATED AS DIRECTED BY THE ENGINEER.

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

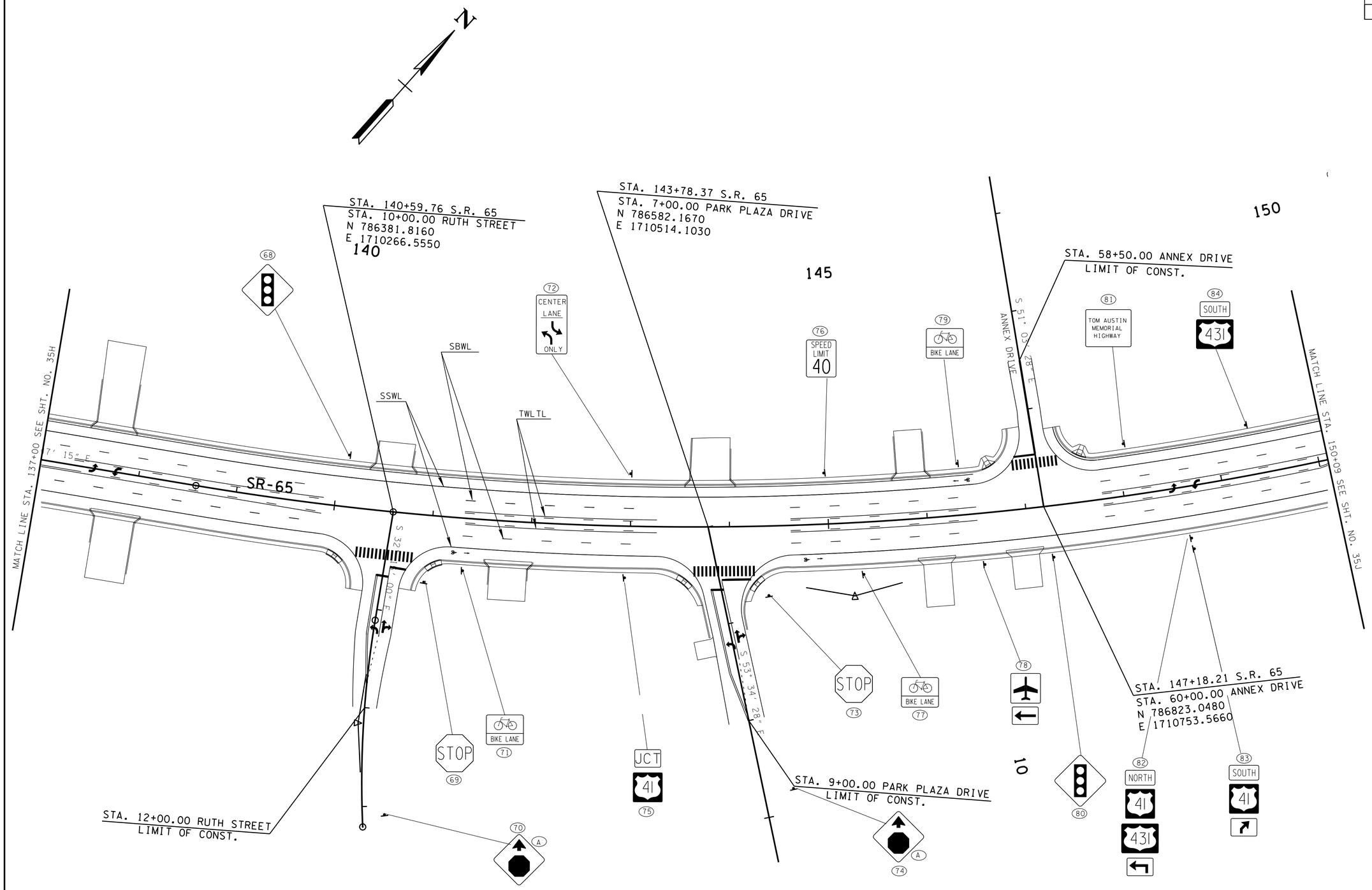
SIGNING AND PAVEMENT MARKING

STA.124+00 TO STA.137+09

SCALE: 1:50

9-MAY-2015 09:58
C:\RobertsonCountySR65\Robertson SR65\RBSR65_35H_SignPvmntMkg.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	35I



(A) TO BE LOCATED AS DIRECTED BY THE ENGINEER.

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

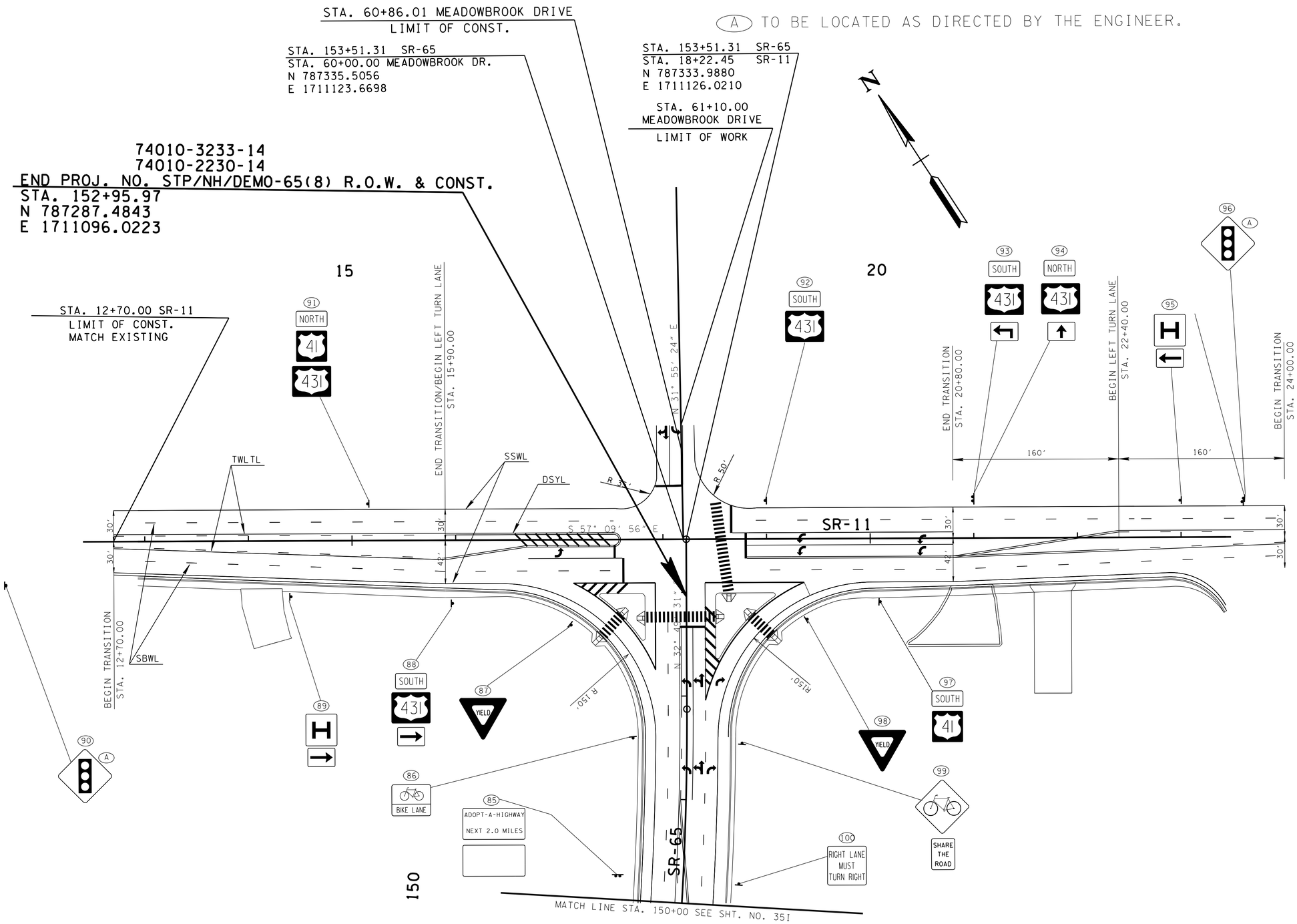
SIGNING AND PAVEMENT MARKING

STA.137+00 TO STA.150+09

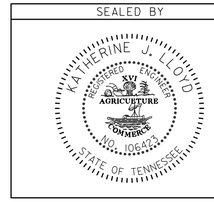
SCALE: 1:50

9-MAY-2015 09:58
C:\RobertsonCountySR65\Robertson SR65\RBSR65_35I_SignPvmntMkg.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	35J



SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000020 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

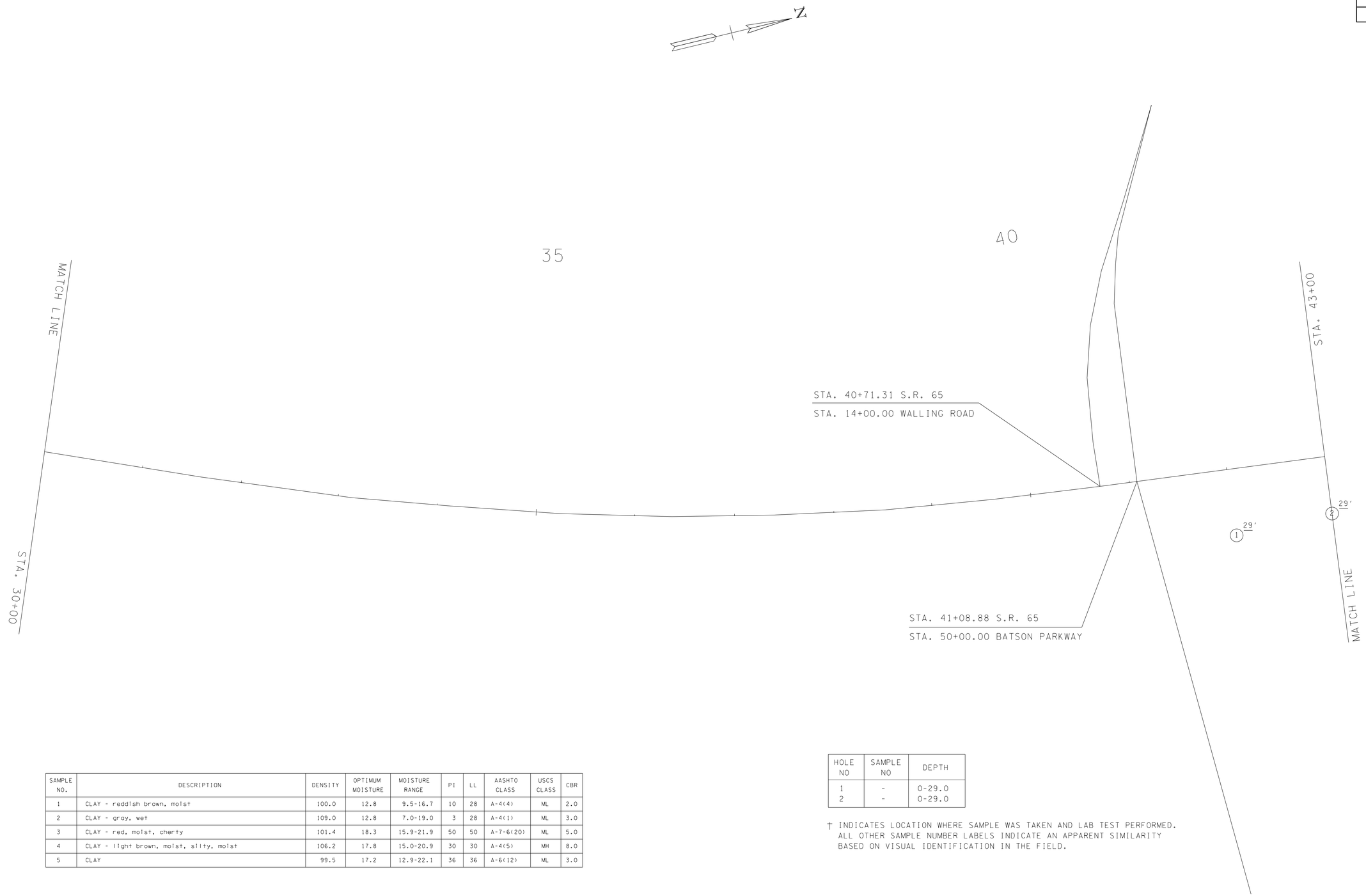
SIGNING AND PAVEMENT

STA.150+00 TO END OF PROJ.

SCALE: 1:50

9-MAY-2015 09:58
C:\RobertsonCountySR65\Robertson SR65\RBSR65_35J_SignPvmntMkg.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	40



SAMPLE NO.	DESCRIPTION	DENSITY	OPTIMUM MOISTURE	MOISTURE RANGE	PI	LL	AASHTO CLASS	USCS CLASS	CBR
1	CLAY - reddish brown, moist	100.0	12.8	9.5-16.7	10	28	A-4(4)	ML	2.0
2	CLAY - gray, wet	109.0	12.8	7.0-19.0	3	28	A-4(1)	ML	3.0
3	CLAY - red, moist, cherty	101.4	18.3	15.9-21.9	50	50	A-7-6(20)	ML	5.0
4	CLAY - light brown, moist, silty, moist	106.2	17.8	15.0-20.9	30	30	A-4(5)	MH	8.0
5	CLAY	99.5	17.2	12.9-22.1	36	36	A-6(12)	ML	3.0

HOLE NO	SAMPLE NO	DEPTH
1	-	0-29.0
2	-	0-29.0

† INDICATES LOCATION WHERE SAMPLE WAS TAKEN AND LAB TEST PERFORMED.
ALL OTHER SAMPLE NUMBER LABELS INDICATE AN APPARENT SIMILARITY
BASED ON VISUAL IDENTIFICATION IN THE FIELD.

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

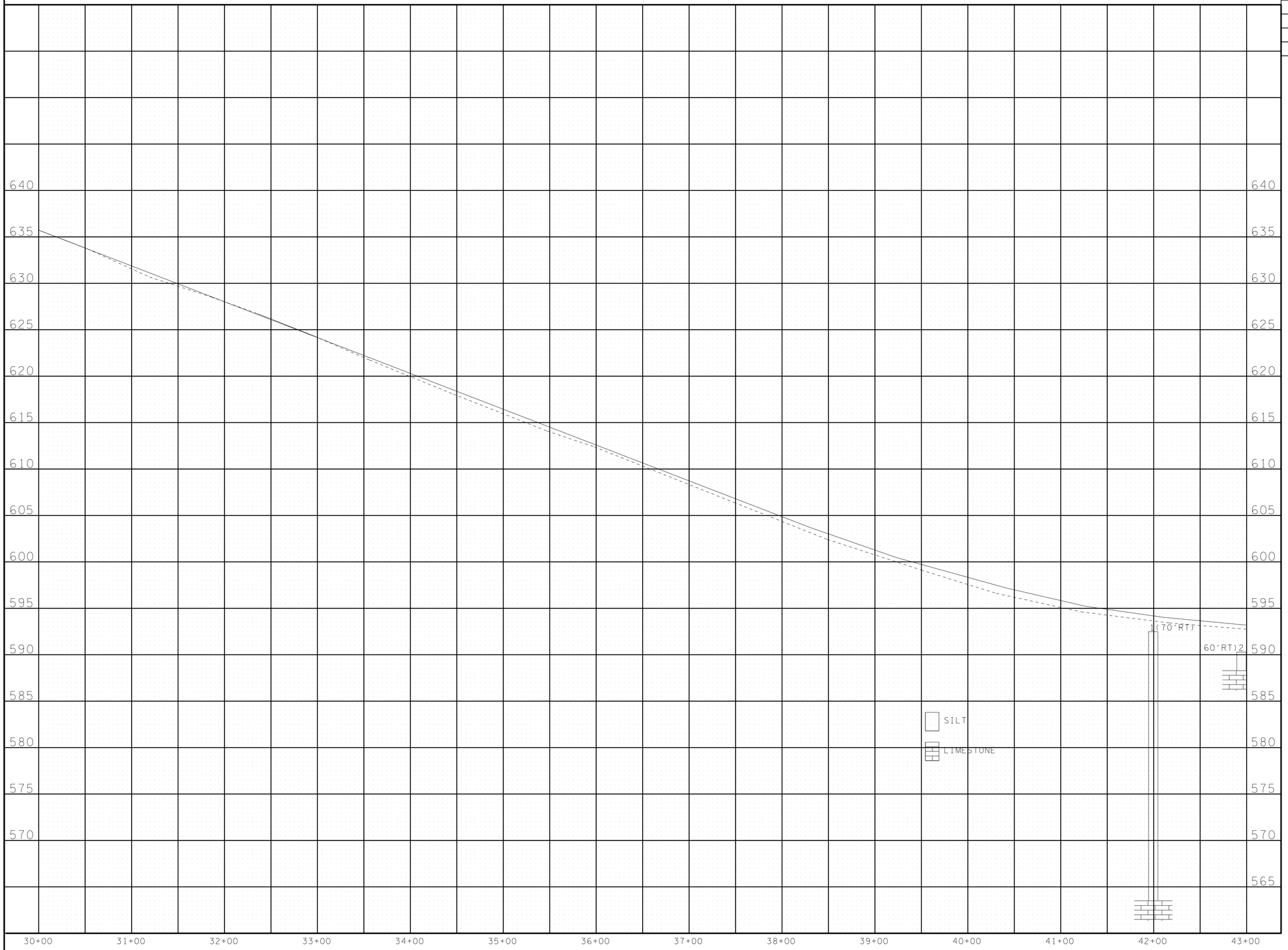
SOILS

STATE ROUTE 65
BEGIN PROJECT
TO
STATION 43+00

ROBERTSON COUNTY

9-MAY-2015 09:58
C:\RobertsonCountySR65\Robertson SR65\RBSR65_40_Soils.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP/NH/DEMO-65(8)	40A



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

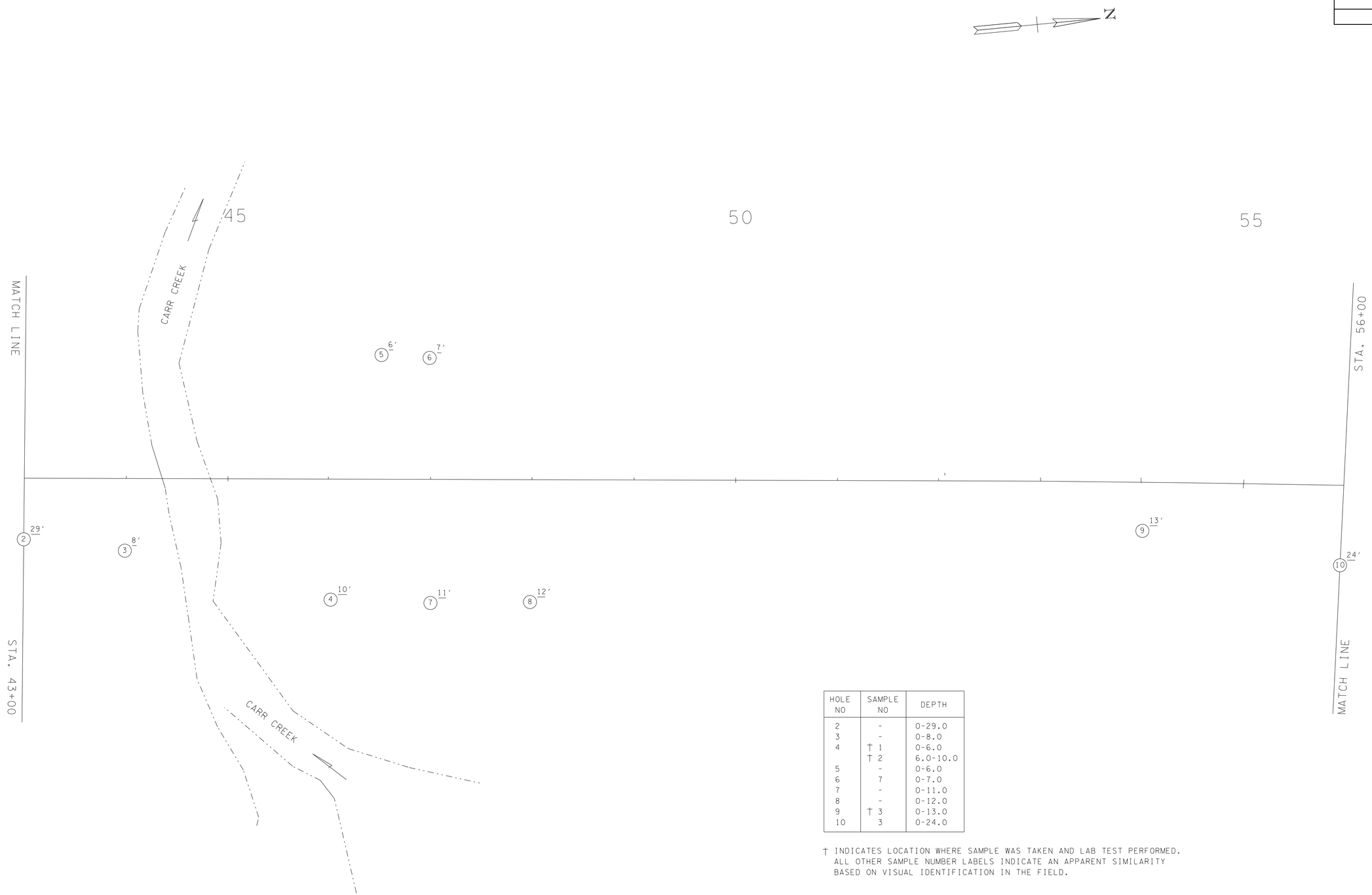
SOILS

STATE ROUTE 65
BEGIN PROJECT
TO
STATION 43+00

ROBERTSON COUNTY

9-MAY-2015 09:58

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	40B



HOLE NO	SAMPLE NO	DEPTH
2	-	0-29.0
3	-	0-8.0
4	† 1	0-6.0
	† 2	6.0-10.0
5	-	0-6.0
6	7	0-7.0
7	-	0-11.0
8	-	0-12.0
9	† 3	0-13.0
10	3	0-24.0

† INDICATES LOCATION WHERE SAMPLE WAS TAKEN AND LAB TEST PERFORMED. ALL OTHER SAMPLE NUMBER LABELS INDICATE AN APPARENT SIMILARITY BASED ON VISUAL IDENTIFICATION IN THE FIELD.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

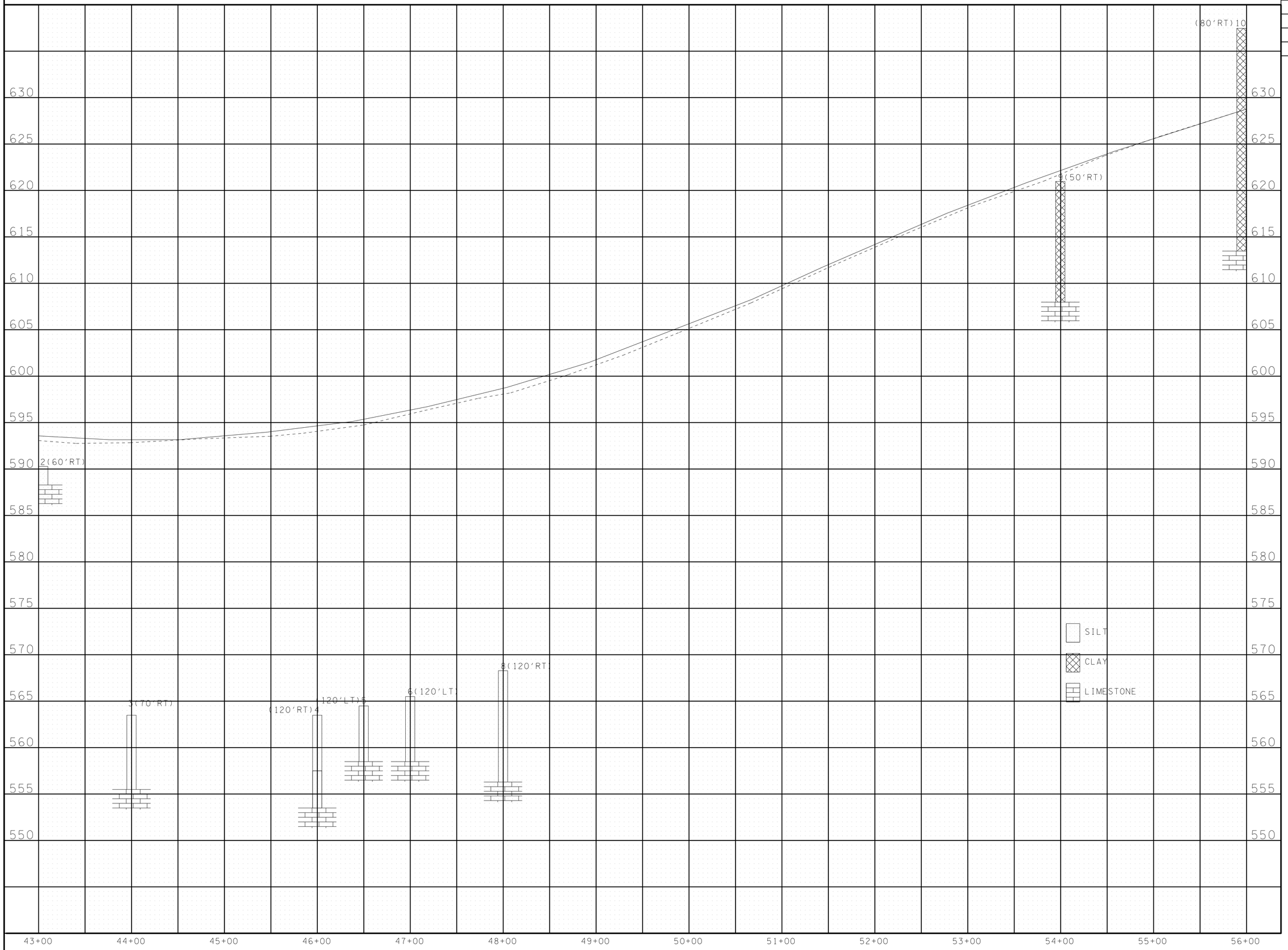
SOILS

STATE ROUTE 65
STATION 43+00
TO
STATION 56+00

ROBERTSON COUNTY

robertson/pin no.02239.00/7404306/user:k.brinkley
9-MAY-2015 09:58
C:\RobertsonCountySR65\Robertson SR65\RBSR65_40B_Soils.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP/NH/DEMO-65(8)	40C



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

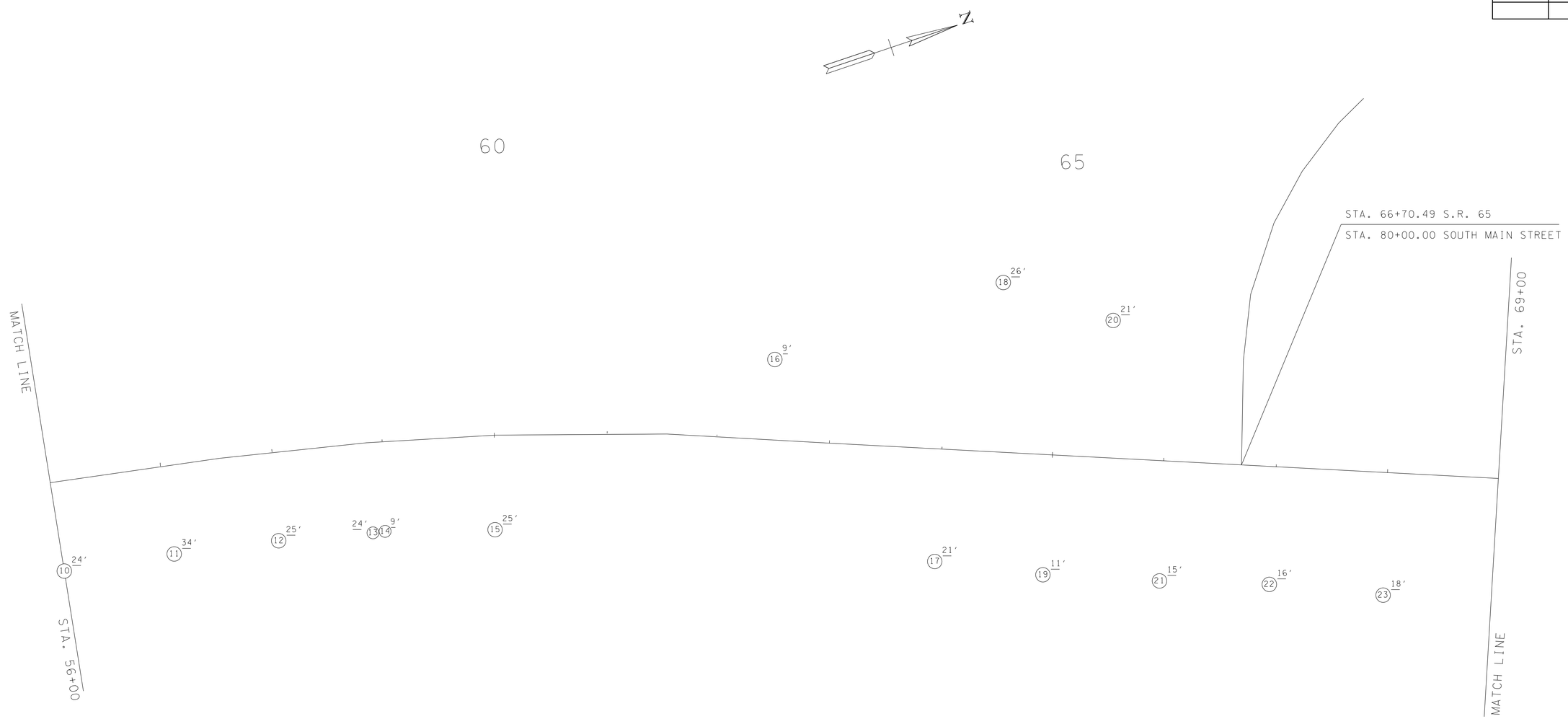
SOILS

STATE ROUTE 65
STATION 43+00
TO
STATION 56+00

ROBERTSON COUNTY

9-MAY-2015 09:58

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	40D



HOLE NO	SAMPLE NO	DEPTH
10	3	0-24.0
11	3	0-34.0
12	-	0-1.0
	3	1.0-25.0
13	3	0-24.0
14	3	0-2.0
	-	2.0-9.0
15	3	0-25.0
16	3	0-9.0
17	4	0-14.0
	-	14.0-21.0
18	3	0-9.0
	† 4	9.0-26.0
19	1	0-11.0
20	3	0-4.0
	4	4.0-21.0
21	4	0-4.0
	3	4.0-13.0
	-	13.0-15.0
22	3	0-14.0
	-	14.0-16.0
23	3	0-18.0

† INDICATES LOCATION WHERE SAMPLE WAS TAKEN AND LAB TEST PERFORMED.
ALL OTHER SAMPLE NUMBER LABELS INDICATE AN APPARENT SIMILARITY
BASED ON VISUAL IDENTIFICATION IN THE FIELD.

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

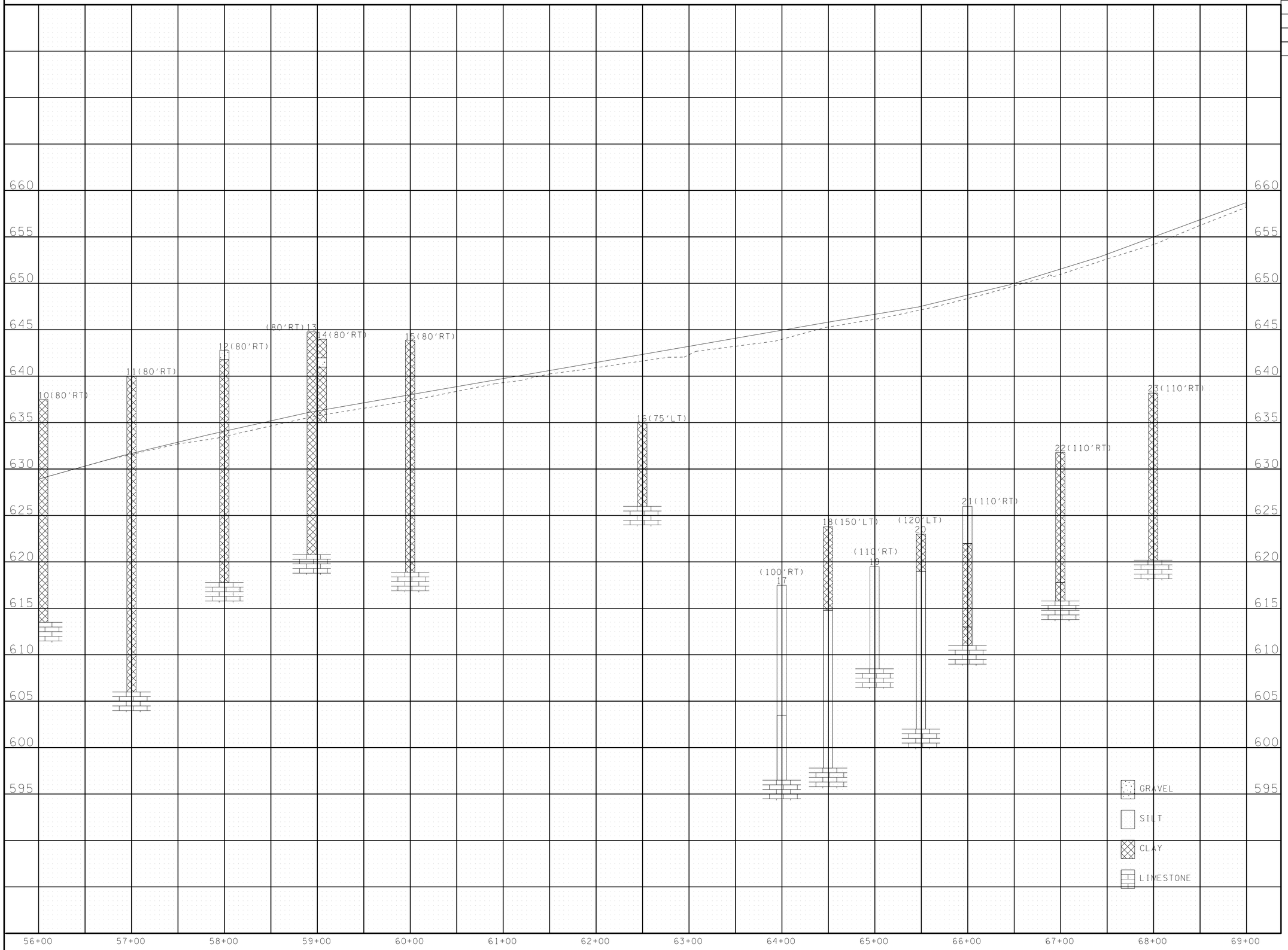
SOILS

STATE ROUTE 65
STATION 56+00
TO
STATION 69+00

ROBERTSON COUNTY

9-MAY-2015 09:58
C:\RobertsonCountySR65\Robertson SR65\RBSR65_40D_Soils.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP/NH/DEMO-65(8)	40E



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

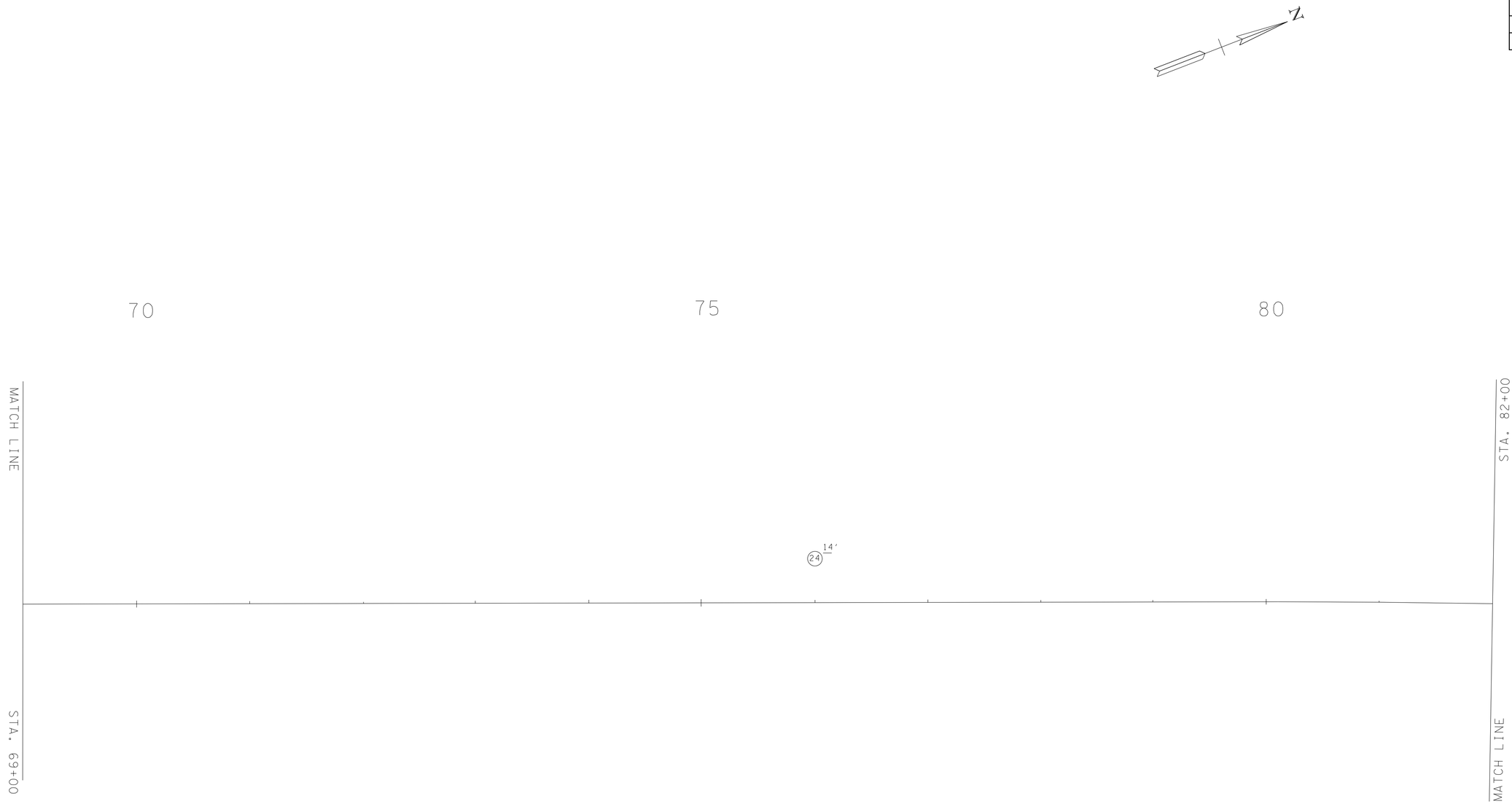
SOILS

STATE ROUTE 65
STATION 56+00
TO
STATION 69+00

ROBERTSON COUNTY

9-MAY-2015 09:58

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	40F



HOLE NO	SAMPLE NO	DEPTH
24	3	0-14.0

† INDICATES LOCATION WHERE SAMPLE WAS TAKEN AND LAB TEST PERFORMED.
ALL OTHER SAMPLE NUMBER LABELS INDICATE AN APPARENT SIMILARITY
BASED ON VISUAL IDENTIFICATION IN THE FIELD.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

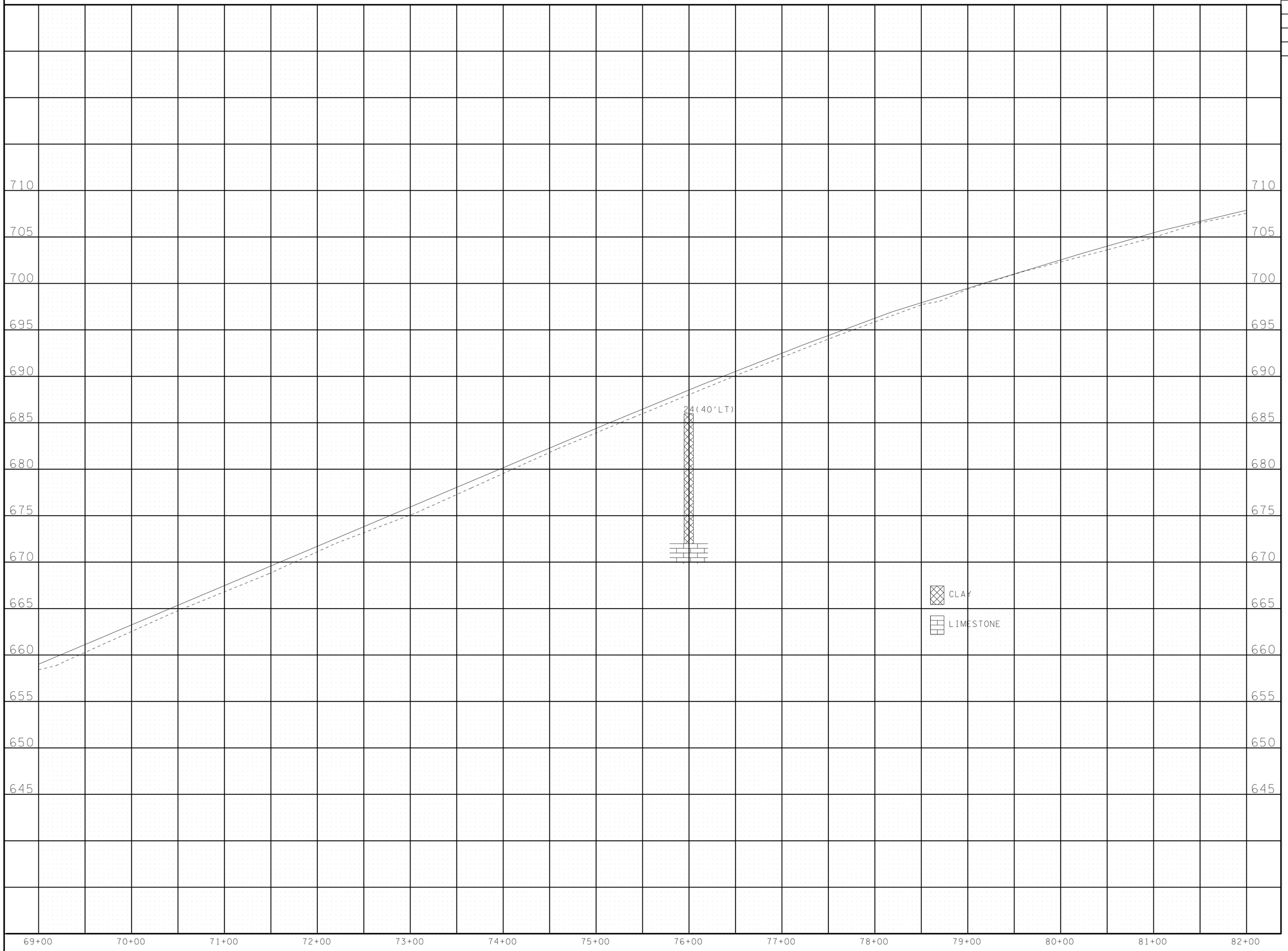
SOILS

STATE ROUTE 65
STATION 69+00
TO
STATION 82+00

ROBERTSON COUNTY

9-MAY-2015 09:58
C:\RobertsonCountySR65\Robertson SR65\RBSR65_40F_Soils.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP/NH/DEMO-65(8)	40G



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

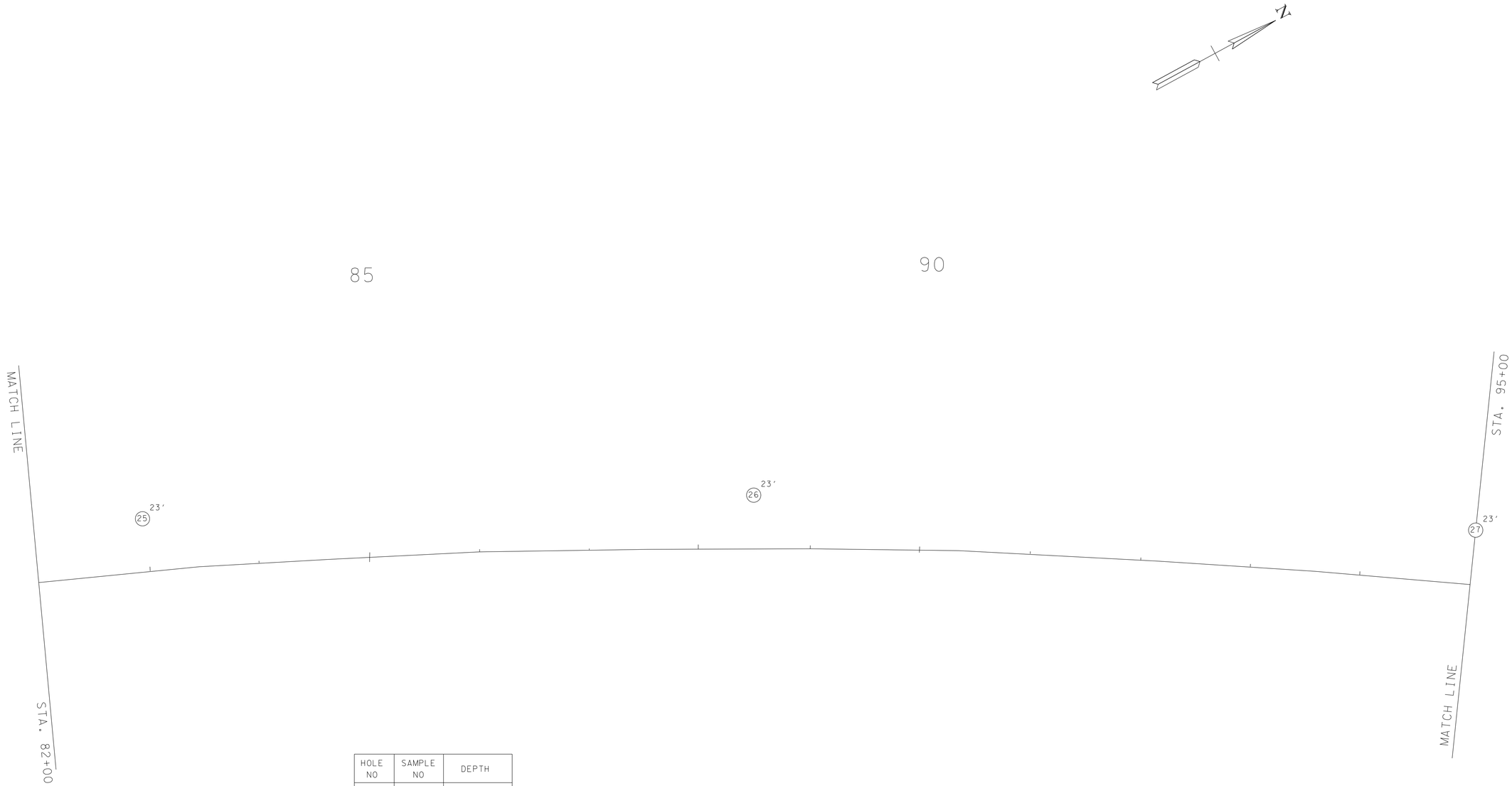
SOILS

STATE ROUTE 65
STATION 69+00
TO
STATION 82+00

ROBERTSON COUNTY

9-MAY-2015 09:58

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	40H



HOLE NO	SAMPLE NO	DEPTH
25	3	0-13.0
	-	13.0-23.0
26	3	0-23.0
27	3	0-23.0

† INDICATES LOCATION WHERE SAMPLE WAS TAKEN AND LAB TEST PERFORMED.
ALL OTHER SAMPLE NUMBER LABELS INDICATE AN APPARENT SIMILARITY
BASED ON VISUAL IDENTIFICATION IN THE FIELD.

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SOILS

STATE ROUTE 65
STATION 82+00
TO
STATION 95+00

ROBERTSON COUNTY

9-MAY-2015 09:58
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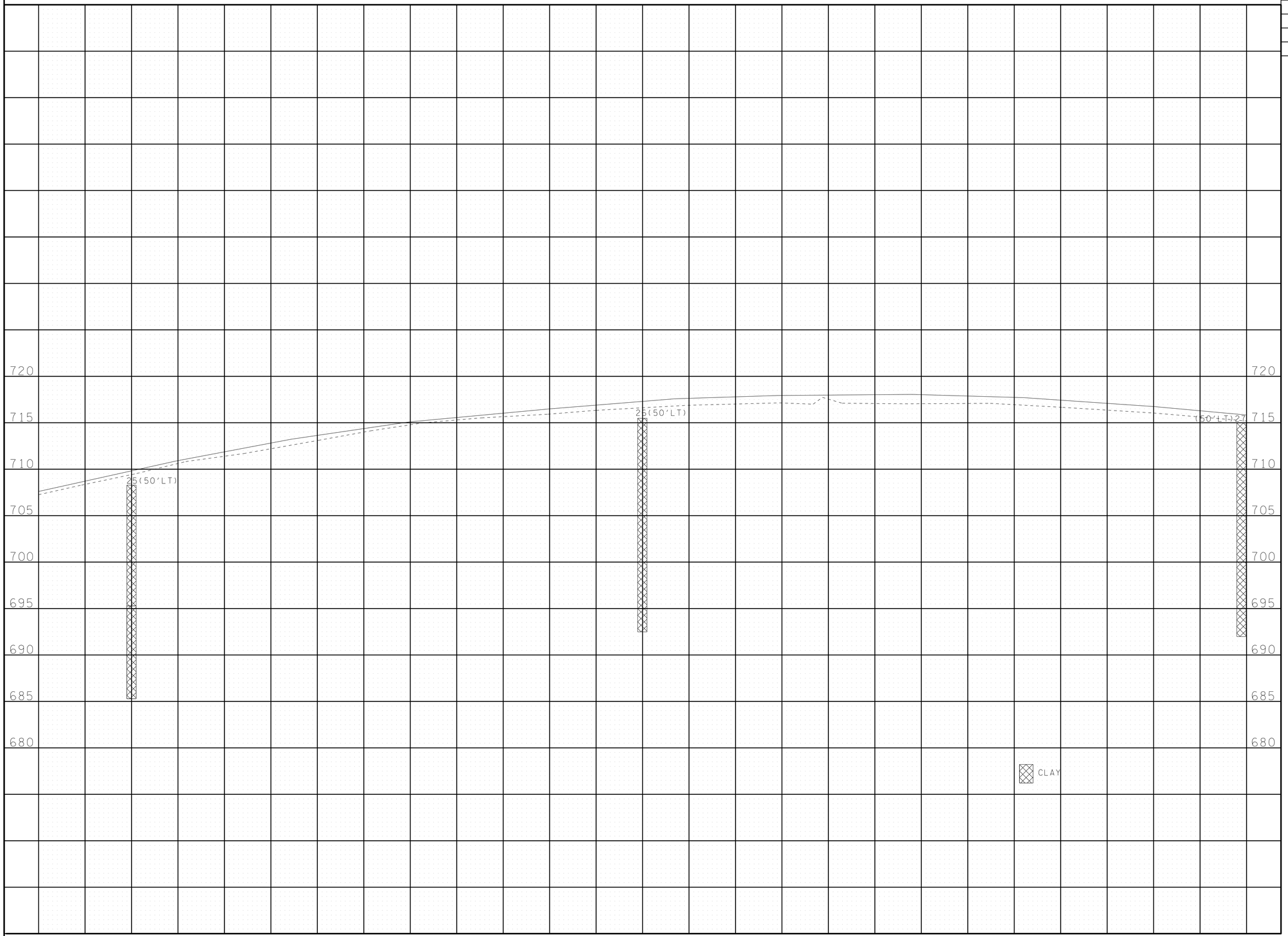
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP/NH/DEMO-65(8)	401



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SOILS

STATE ROUTE 65
STATION 82+00
TO
STATION 95+00

ROBERTSON COUNTY

9-MAY-2015 09:58
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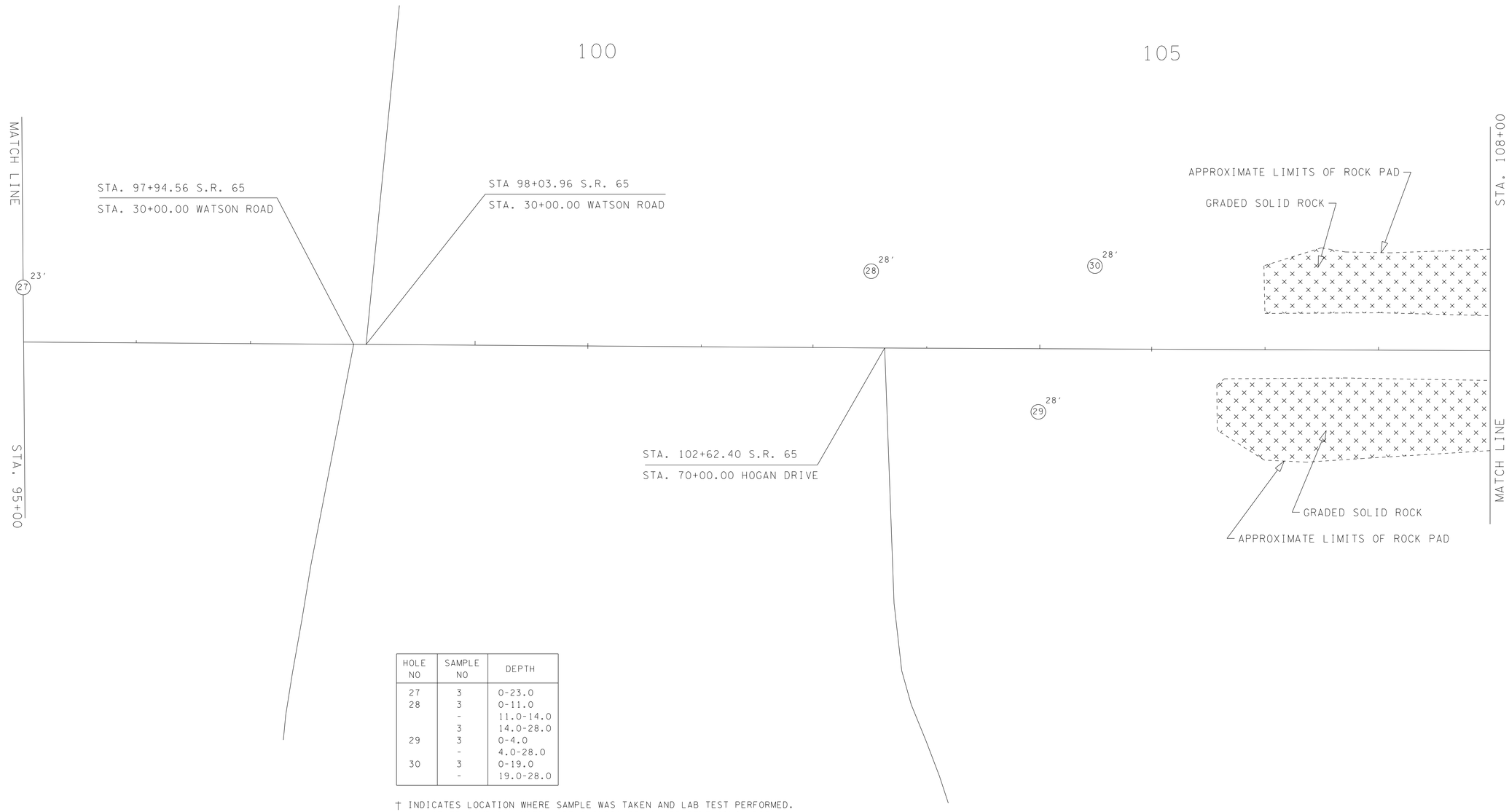
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	40J

GRADED SOLID ROCK

BORROW EXCAVATION (GRADED SOLID ROCK) SHALL CONSIST OF THE REMOVAL AND SATISFACTORY PLACEMENT OF SOUND, NON-DEGRADABLE ROCK WITH A MAXIMUM SIZE OF 3 FEET (1 METER). AT LEAST 50 PERCENT OF THE ROCK SHALL BE UNIFORMLY DISTRIBUTED BETWEEN 1 FOOT (30 CENTIMETERS)AND 3 FEET (1 METER) IN DIAMETER AND NO GREATER THAN 10 PERCENT SHALL BE LESS THAN 2 INCHES (50 MILLIMETERS) IN DIAMETER. THE MATERIAL SHALL BE ROUGHLY EQUI-DIMENSIONAL IN SHAPE. THIN, SLABBY MATERIAL WILL NOT BE ACCEPTED. THE CONTRACTOR SHALL BE REQUIRED TO PROCESS THE MATERIAL WITH AN ACCEPTABLE MECHANICAL SCREENING PROCESS THAT PRODUCES THE REQUIRED GRADATION. WHEN THE MATERIAL IS SUBJECTED TO FIVE ALTERATIONS OF THE SODIUM SULFATE SOUNDNESS TEST (AASHTO T-104), THE WEIGHTED PERCENTAGE OF LOSS SHALL NOT BE MORE THAN 12. THE MATERIAL SHALL BE APPROVED BY THE ENGINEER BEFORE USE.



HOLE NO	SAMPLE NO	DEPTH
27	3	0-23.0
28	3	0-11.0
	-	11.0-14.0
	3	14.0-28.0
29	3	0-4.0
	-	4.0-28.0
30	3	0-19.0
	-	19.0-28.0

† INDICATES LOCATION WHERE SAMPLE WAS TAKEN AND LAB TEST PERFORMED. ALL OTHER SAMPLE NUMBER LABELS INDICATE AN APPARENT SIMILARITY BASED ON VISUAL IDENTIFICATION IN THE FIELD.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SOILS

STATE ROUTE 65
STATION 95+00
TO
STATION 108+00

ROBERTSON COUNTY

9-MAY-2015 09:58
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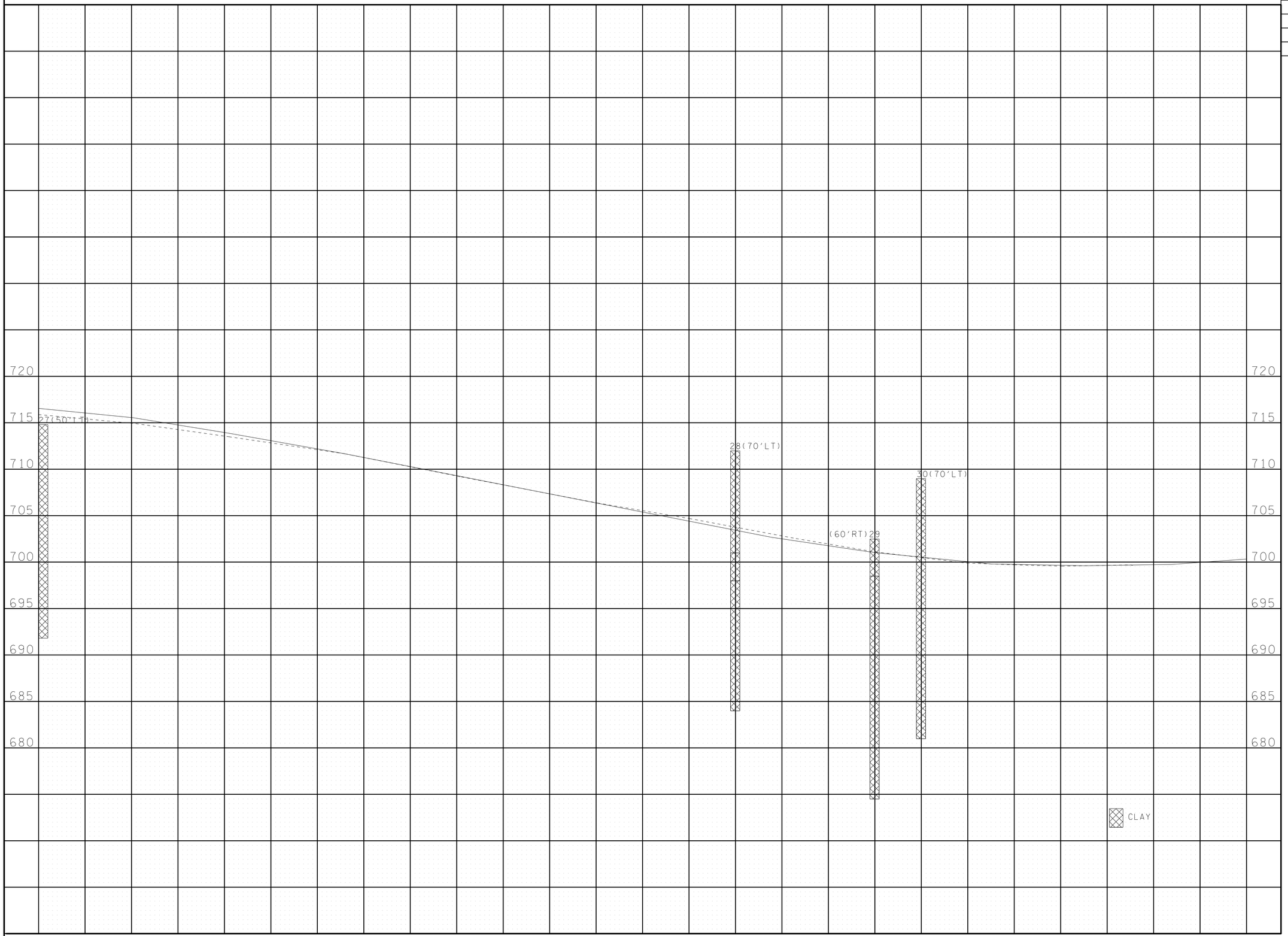
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP/NH/DEMO-65(8)	40K



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DEPARTMENT OF TRANSPORTATION

SOILS

STATE ROUTE 65
STATION 95+00
TO
STATION 108+00

ROBERTSON COUNTY

9-MAY-2015 09:58
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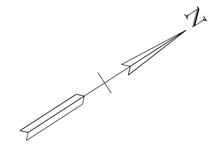
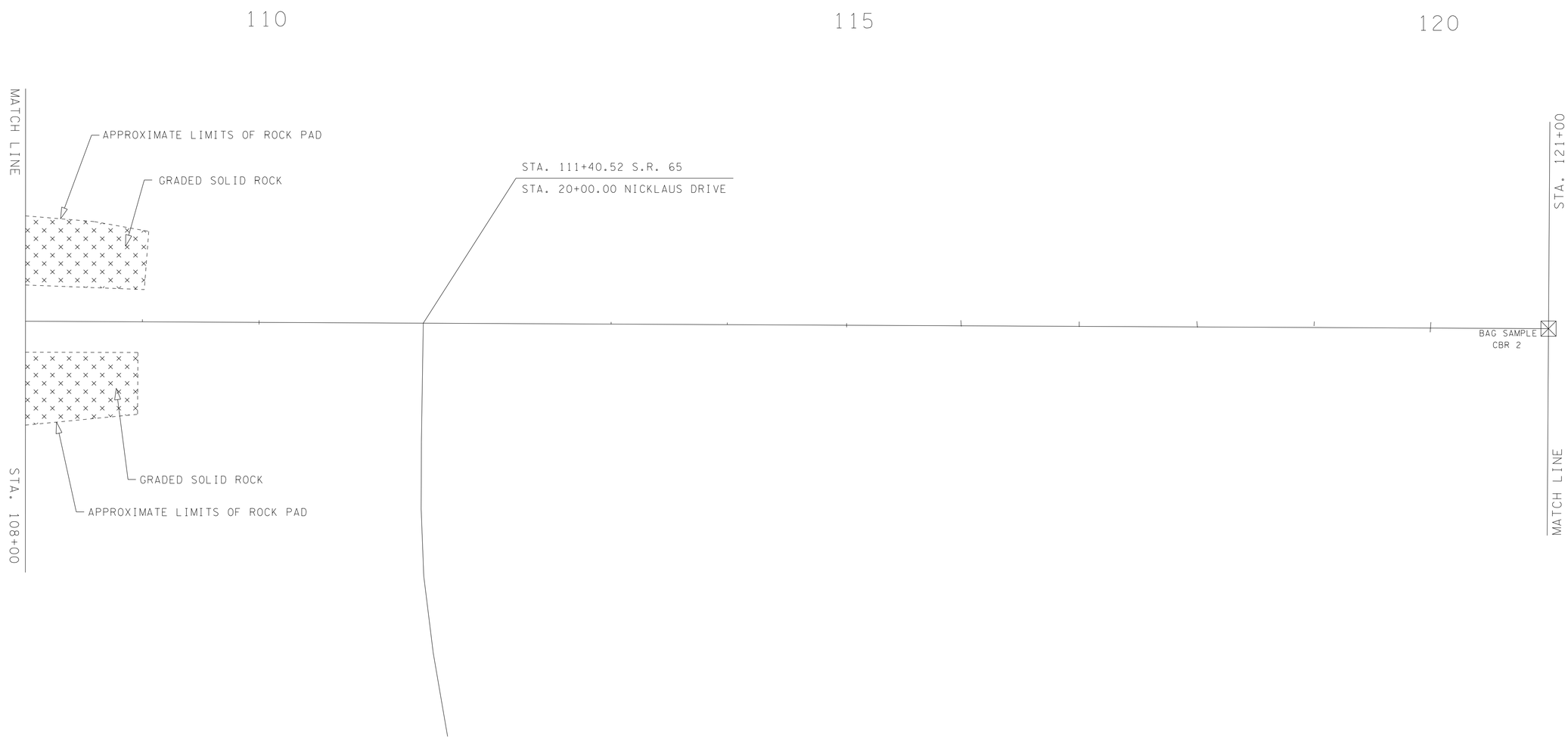
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	40L

GRADED SOLID ROCK

BORROW EXCAVATION (GRADED SOLID ROCK) SHALL CONSIST OF THE REMOVAL AND SATISFACTORY PLACEMENT OF SOUND, NON-DEGRADABLE ROCK WITH A MAXIMUM SIZE OF 3 FEET (1 METER). AT LEAST 50 PERCENT OF THE ROCK SHALL BE UNIFORMLY DISTRIBUTED BETWEEN 1 FOOT (30 CENTIMETERS)AND 3 FEET (1 METER) IN DIAMETER AND NO GREATER THAN 10 PERCENT SHALL BE LESS THAN 2 INCHES (50 MILLIMETERS) IN DIAMETER. THE MATERIAL SHALL BE ROUGHLY EQUI-DIMENSIONAL IN SHAPE. THIN, SLABBY MATERIAL WILL NOT BE ACCEPTED. THE CONTRACTOR SHALL BE REQUIRED TO PROCESS THE MATERIAL WITH AN ACCEPTABLE MECHANICAL SCREENING PROCESS THAT PRODUCES THE REQUIRED GRADATION. WHEN THE MATERIAL IS SUBJECTED TO FIVE ALTERATIONS OF THE SODIUM SULFATE SOUNDNESS TEST (AASHTO T-104), THE WEIGHTED PERCENTAGE OF LOSS SHALL NOT BE MORE THAN 12. THE MATERIAL SHALL BE APPROVED BY THE ENGINEER BEFORE USE.





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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SOILS

STATE ROUTE 65
STATION 108+00
TO
STATION 121+00

ROBERTSON COUNTY

9-MAY-2015 09:58
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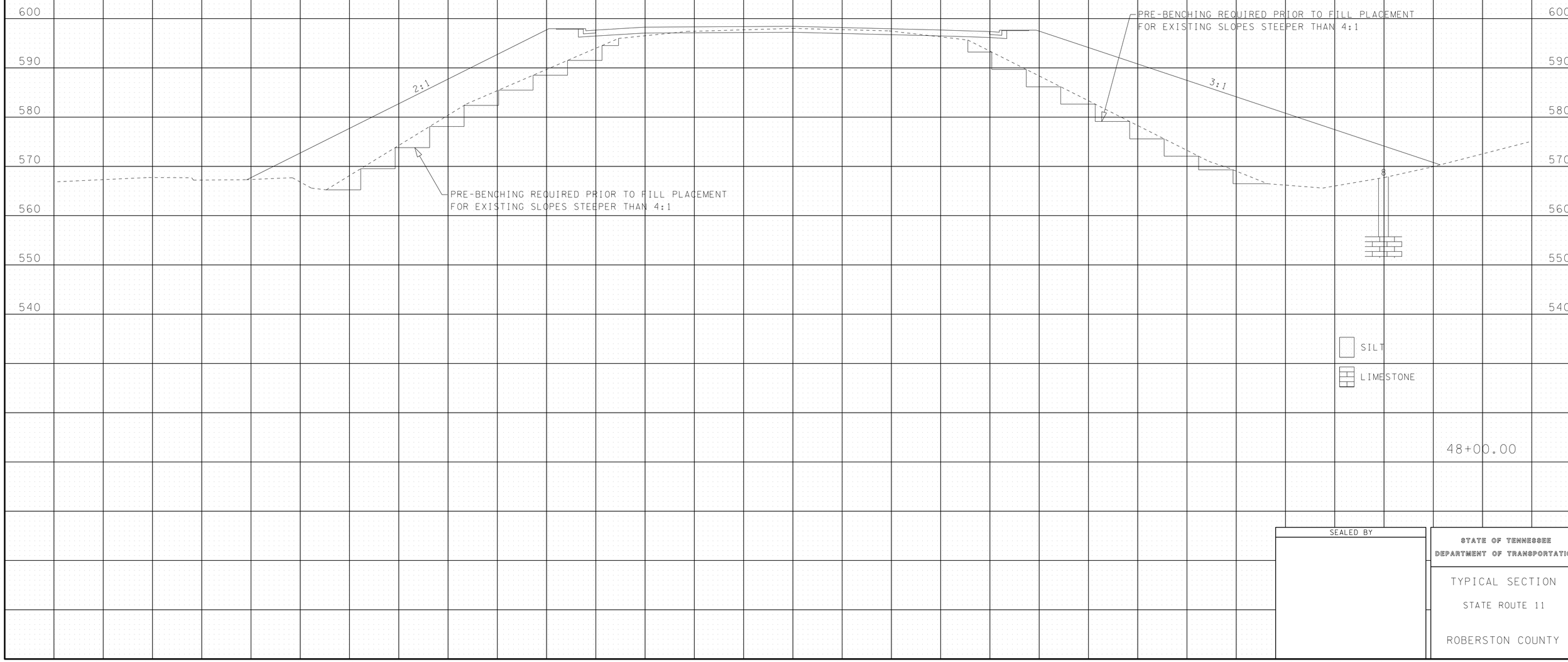
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	40M



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

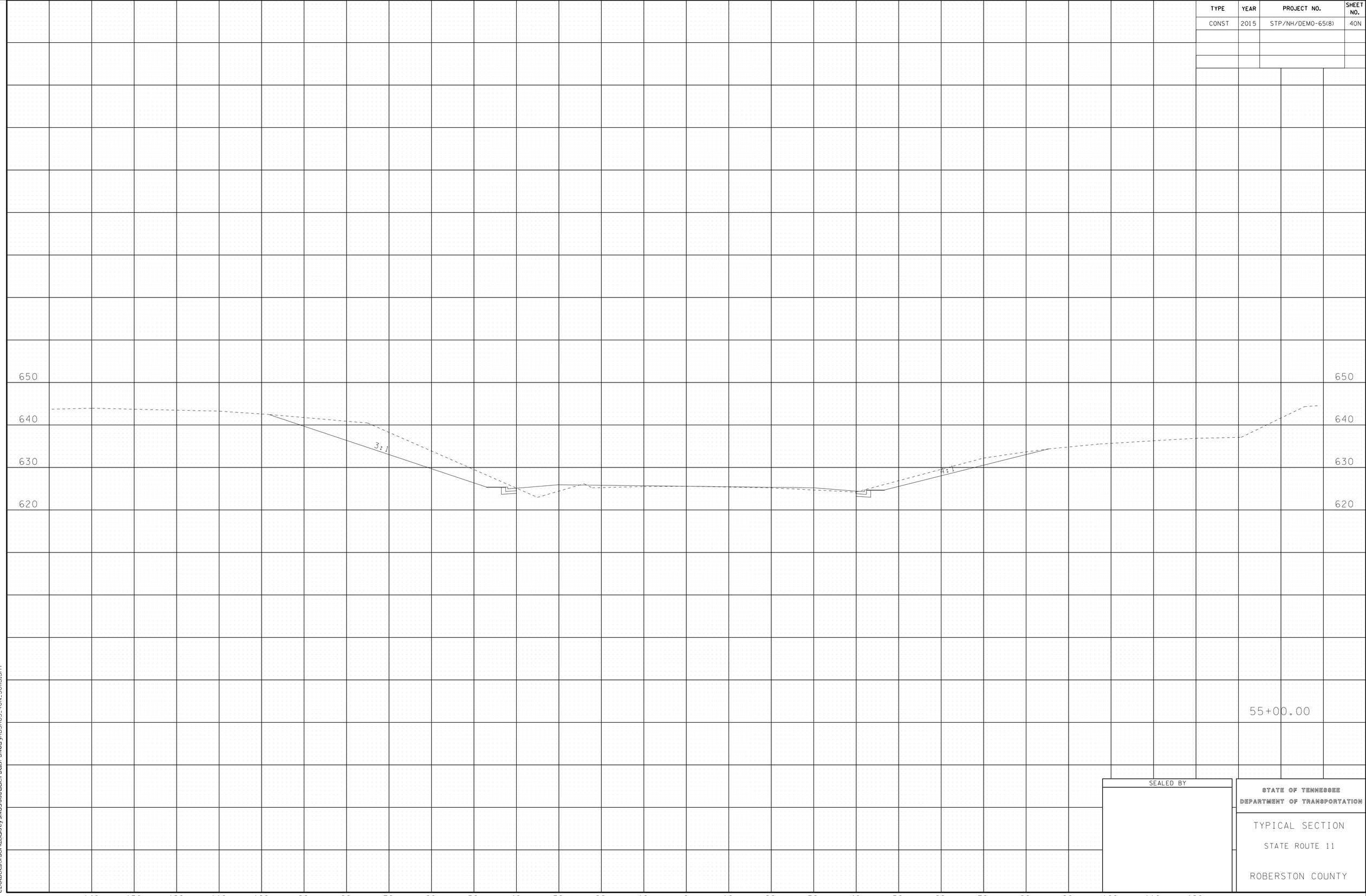
TYPICAL SECTION

STATE ROUTE 11

ROBERSTON COUNTY

19-MAY-2015 09:58
E:\Roberston\Proj\D436fy5R65\Roberston\5R65\RBSR65_40M_Soils.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	40N



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

STATE ROUTE 11

ROBERSTON COUNTY

19-MAY-2015 09:58
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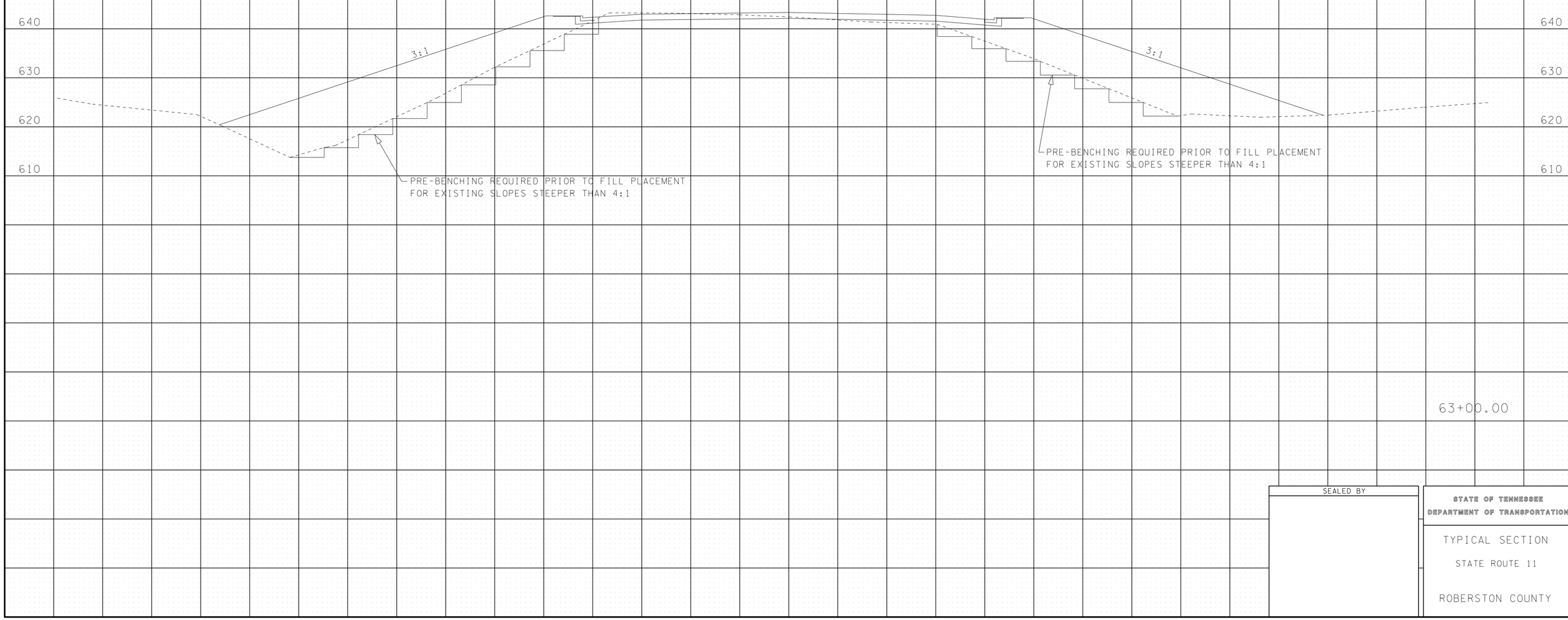
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	40P



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

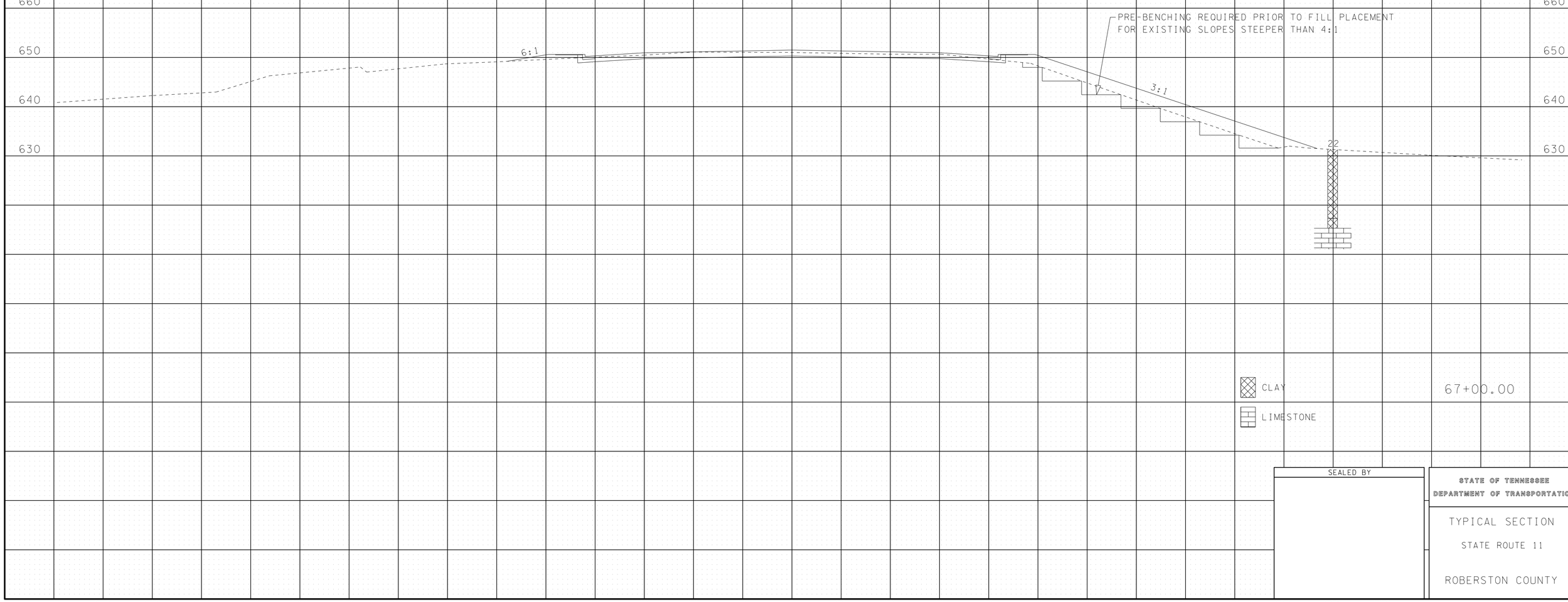
STATE ROUTE 11

ROBERSTON COUNTY

19-MAY-2015 09:58

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	400

NOTE: IN AREAS WHERE SLIVER TYPE FILLS ARE PROPOSED, PRE-BENCHING OF THE EXISTING SLOPE PRIOR TO FILL PLACEMENT IS CRITICAL TO EMBANKMENT STABILITY



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

STATE ROUTE 11

ROBERSTON COUNTY

19-MAY-2015 09:58
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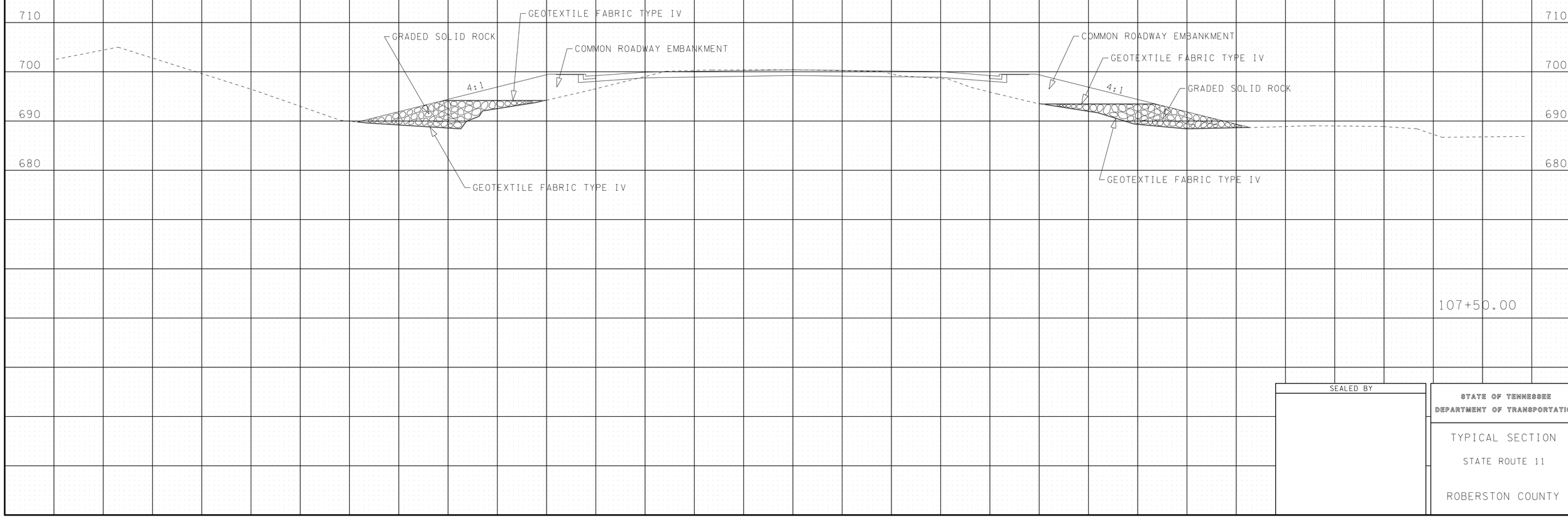
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	40R

GRADED SOLID ROCK

BORROW EXCAVATION (GRADED SOLID ROCK) SHALL CONSIST OF THE REMOVAL AND SATISFACTORY PLACEMENT OF SOUND, NON-DEGRADABLE ROCK WITH A MAXIMUM SIZE OF 3 FEET (1 METER). AT LEAST 50 PERCENT OF THE ROCK SHALL BE UNIFORMLY DISTRIBUTED BETWEEN 1 FOOT (30 CENTIMETERS) AND 3 FEET (1 METER) IN DIAMETER AND NO GREATER THAN 10 PERCENT SHALL BE LESS THAN 2 INCHES (50 MILLIMETERS) IN DIAMETER. THE MATERIAL SHALL BE ROUGHLY EQUI-DIMENSIONAL IN SHAPE. THIN, SLABBY MATERIAL WILL NOT BE ACCEPTED. THE CONTRACTOR SHALL BE REQUIRED TO PROCESS THE MATERIAL WITH AN ACCEPTABLE MECHANICAL SCREENING PROCESS THAT PRODUCES THE REQUIRED GRADATION. WHEN THE MATERIAL IS SUBJECTED TO FIVE ALTERATIONS OF THE SODIUM SULFATE SOUNDNESS TEST (AASHTO T-104), THE WEIGHTED PERCENTAGE OF LOSS SHALL NOT BE MORE THAN 12. THE MATERIAL SHALL BE APPROVED BY THE ENGINEER BEFORE USE.



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

STATE ROUTE 11

ROBERSTON COUNTY

19-MAY-2015 09:58
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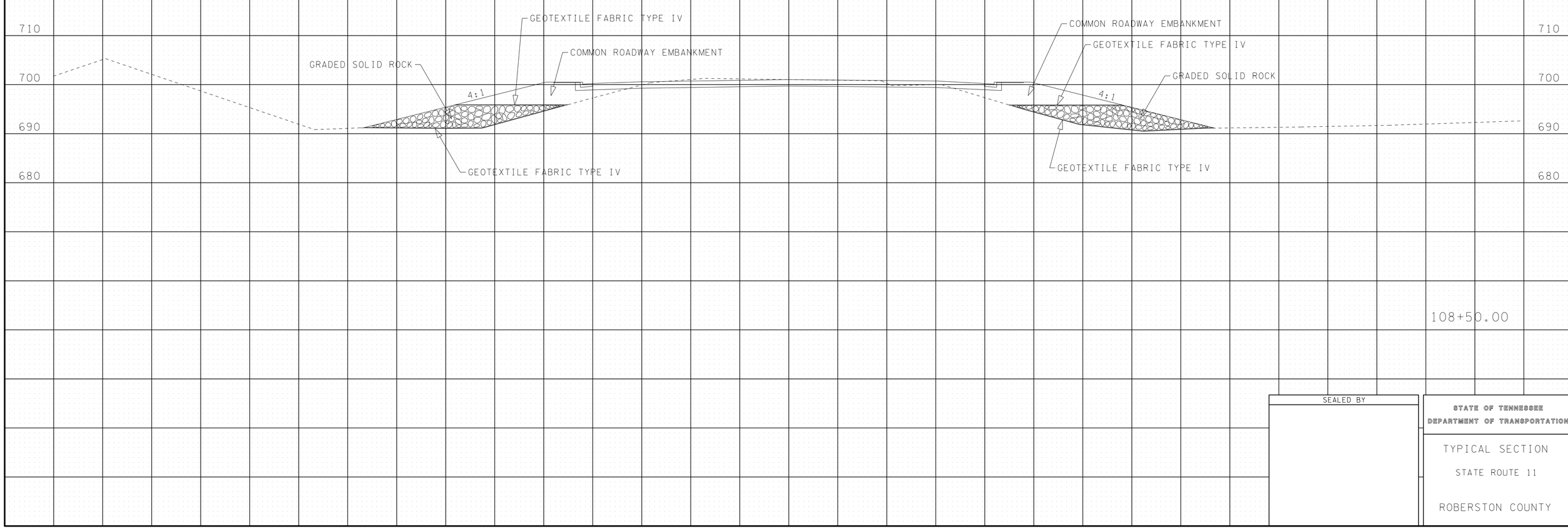
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	40S

GRADED SOLID ROCK

BORROW EXCAVATION (GRADED SOLID ROCK) SHALL CONSIST OF THE REMOVAL AND SATISFACTORY PLACEMENT OF SOUND, NON-DEGRADABLE ROCK WITH A MAXIMUM SIZE OF 3 FEET (1 METER). AT LEAST 50 PERCENT OF THE ROCK SHALL BE UNIFORMLY DISTRIBUTED BETWEEN 1 FOOT (30 CENTIMETERS) AND 3 FEET (1 METER) IN DIAMETER AND NO GREATER THAN 10 PERCENT SHALL BE LESS THAN 2 INCHES (50 MILLIMETERS) IN DIAMETER. THE MATERIAL SHALL BE ROUGHLY EQUI-DIMENSIONAL IN SHAPE. THIN, SLABBY MATERIAL WILL NOT BE ACCEPTED. THE CONTRACTOR SHALL BE REQUIRED TO PROCESS THE MATERIAL WITH AN ACCEPTABLE MECHANICAL SCREENING PROCESS THAT PRODUCES THE REQUIRED GRADATION. WHEN THE MATERIAL IS SUBJECTED TO FIVE ALTERATIONS OF THE SODIUM SULFATE SOUNDNESS TEST (AASHTO T-104), THE WEIGHTED PERCENTAGE OF LOSS SHALL NOT BE MORE THAN 12. THE MATERIAL SHALL BE APPROVED BY THE ENGINEER BEFORE USE.



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

STATE ROUTE 11

ROBERSTON COUNTY

19-MAY-2015 09:58
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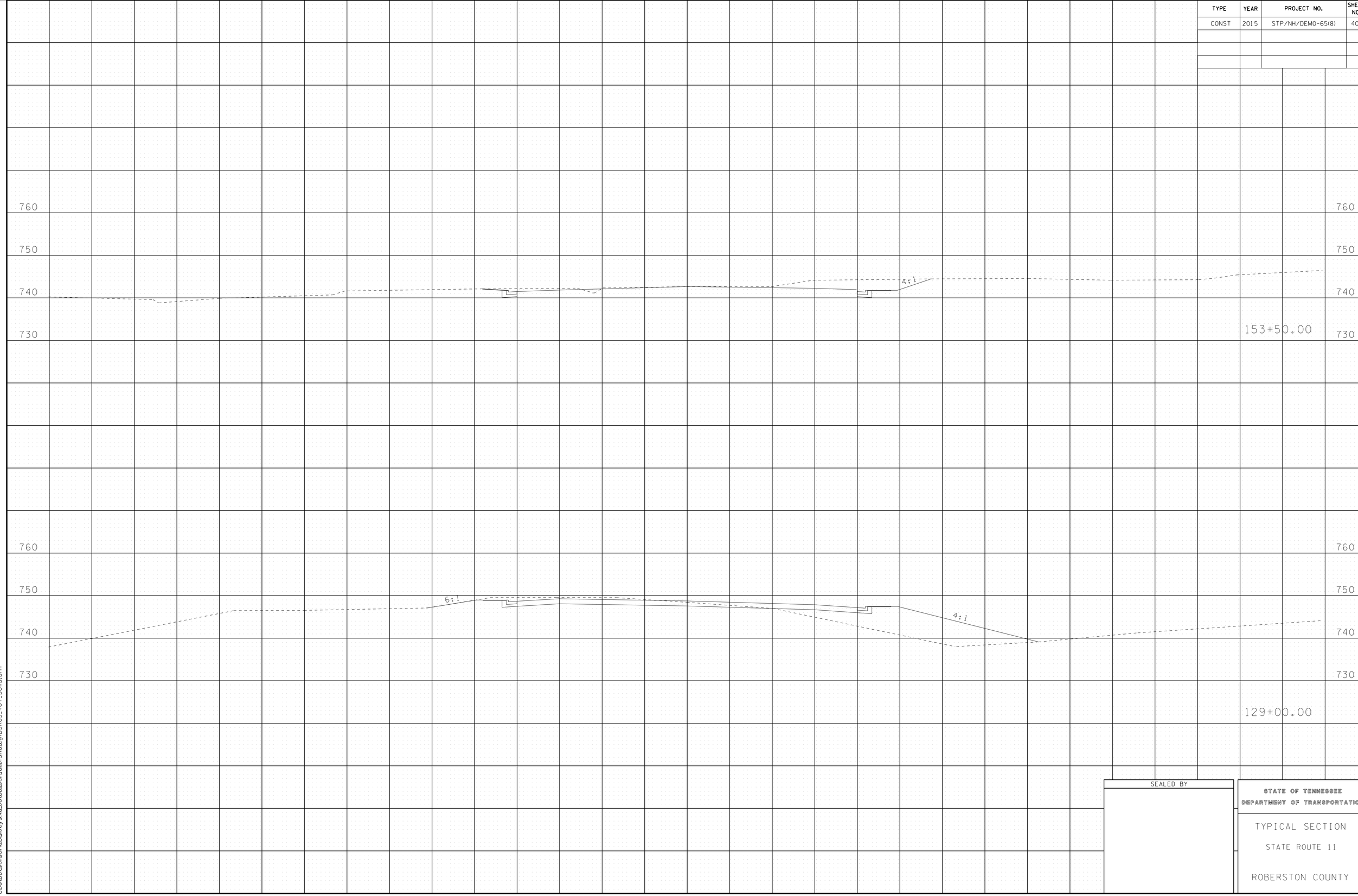
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2015	STP/NH/DEMO-65(8)	40T



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

STATE ROUTE 11

ROBERSTON COUNTY

19-MAY-2015 09:58
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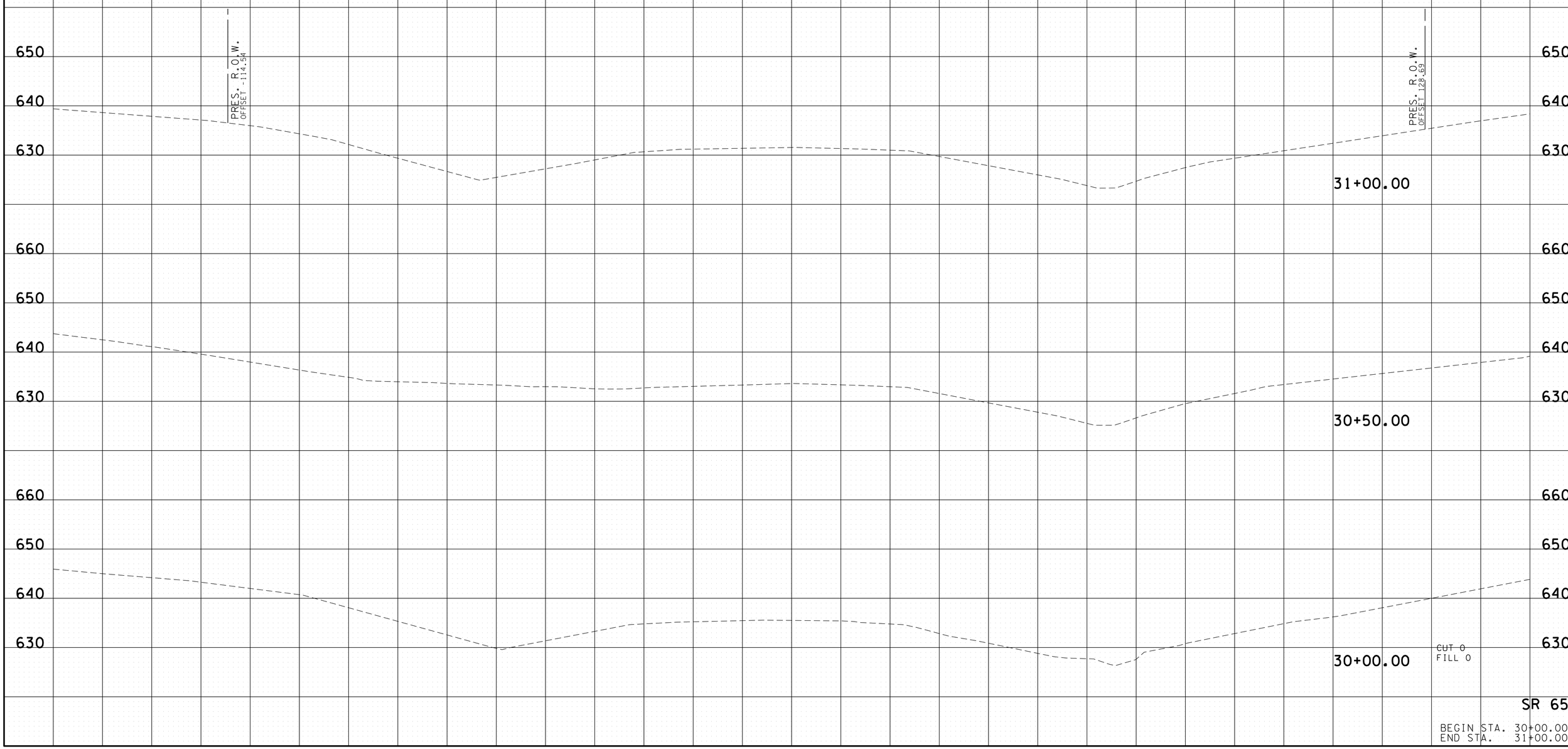
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	48
CONST.	2015	STP/NH/DEMO-65(8)	41

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 30+00.00
END STA. 31+00.00

19-MAY-2015 09:58
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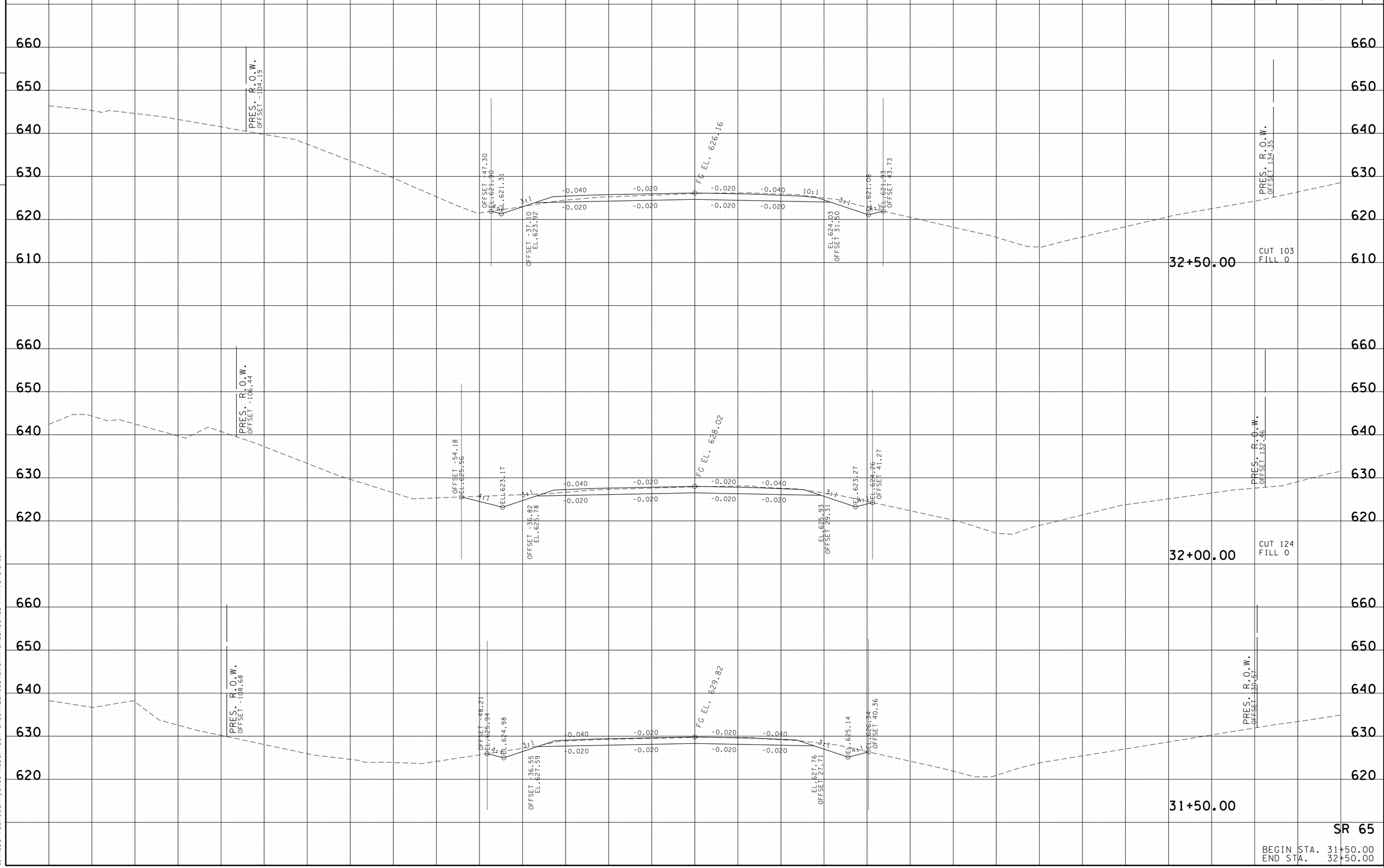
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	49
CONST.	2015	STP/NH/DEMO-65(8)	42

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



SR 65

BEGIN STA. 31+50.00
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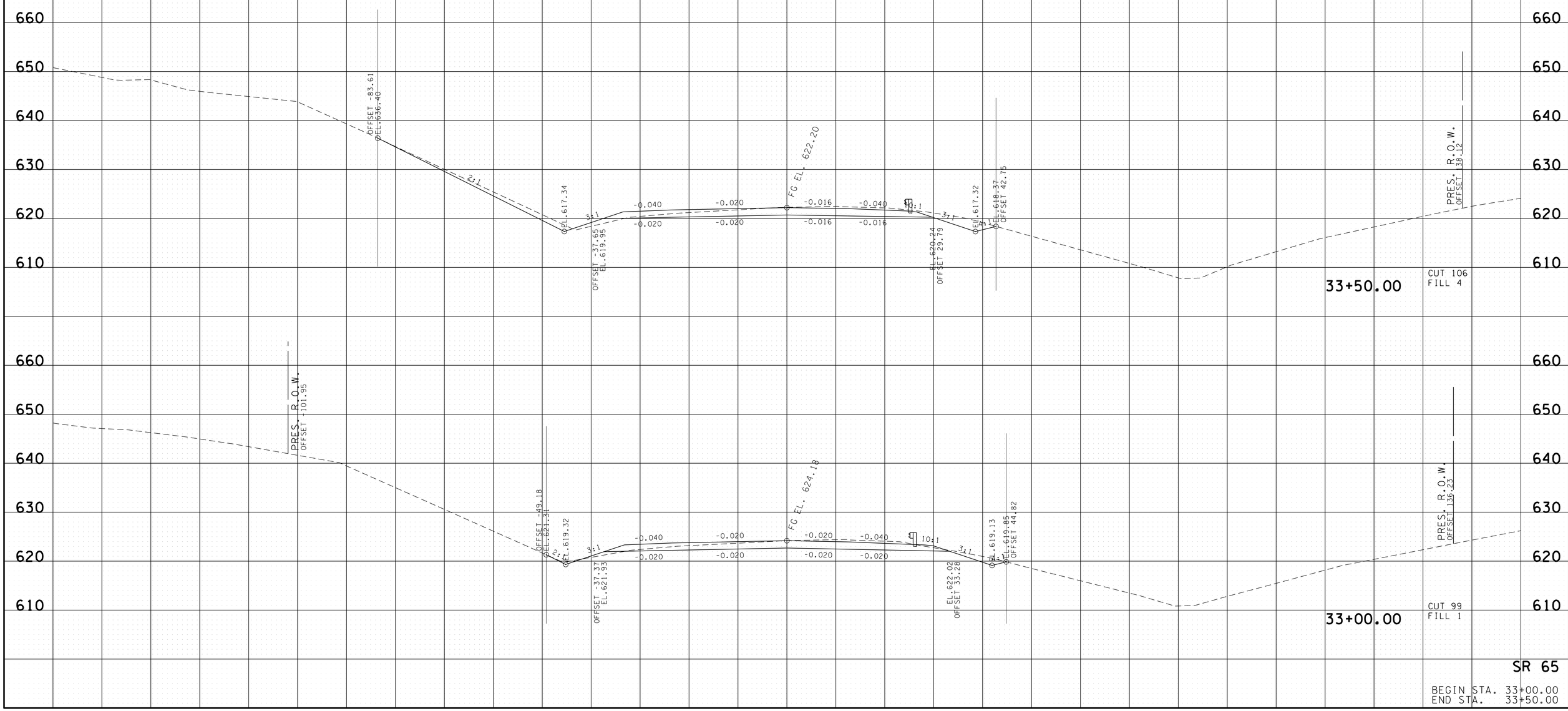
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	50
CONST.	2015	STP/NH/DEMO-65(8)	43

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 65

BEGIN STA. 33+00.00
END STA. 33+50.00

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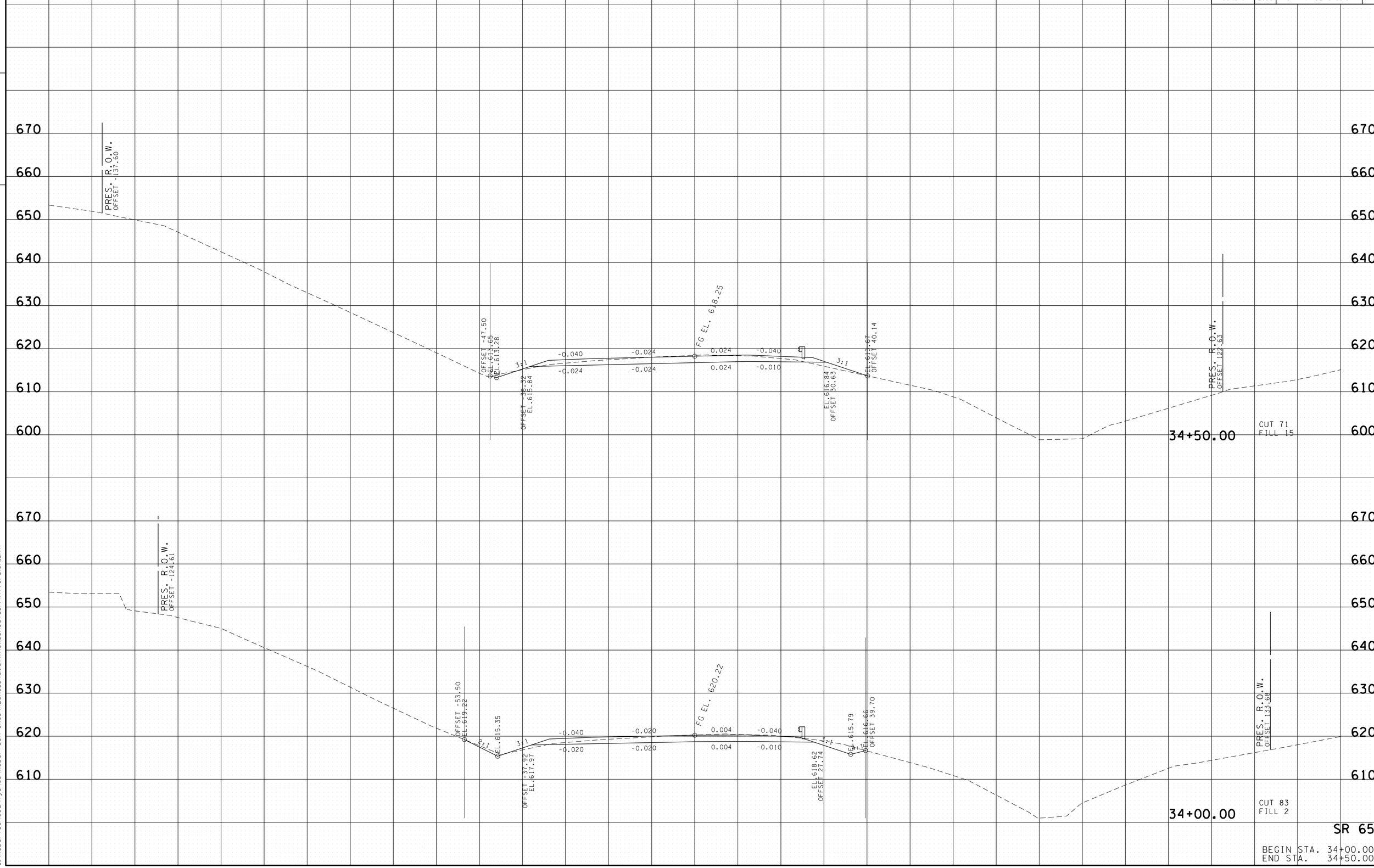
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	51
CONST.	2015	STP/NH/DEMO-65(8)	44

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 34+00.00
END STA. 34+50.00

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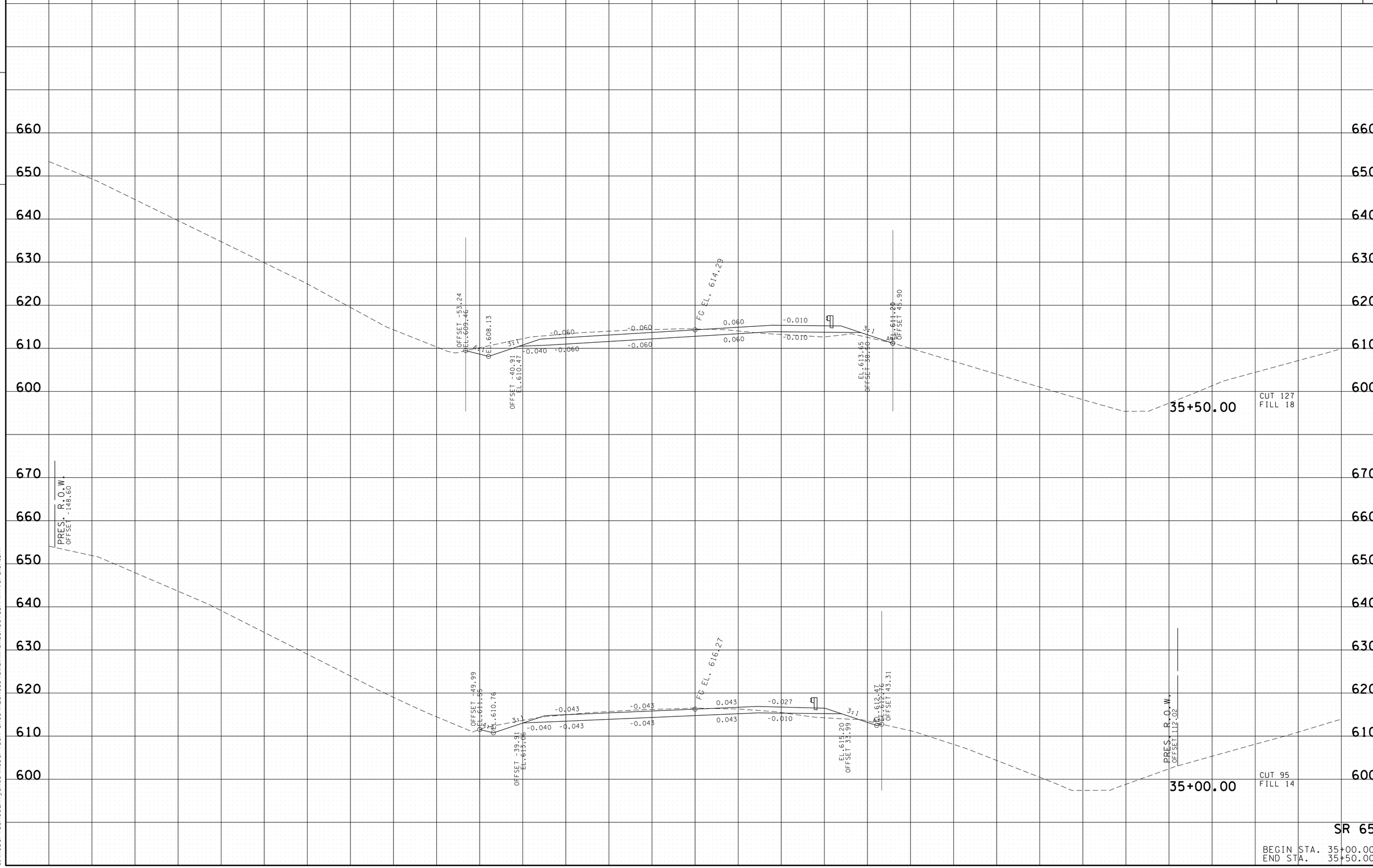
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	52
CONST.	2015	STP/NH/DEMO-65(8)	45

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 35+00.00
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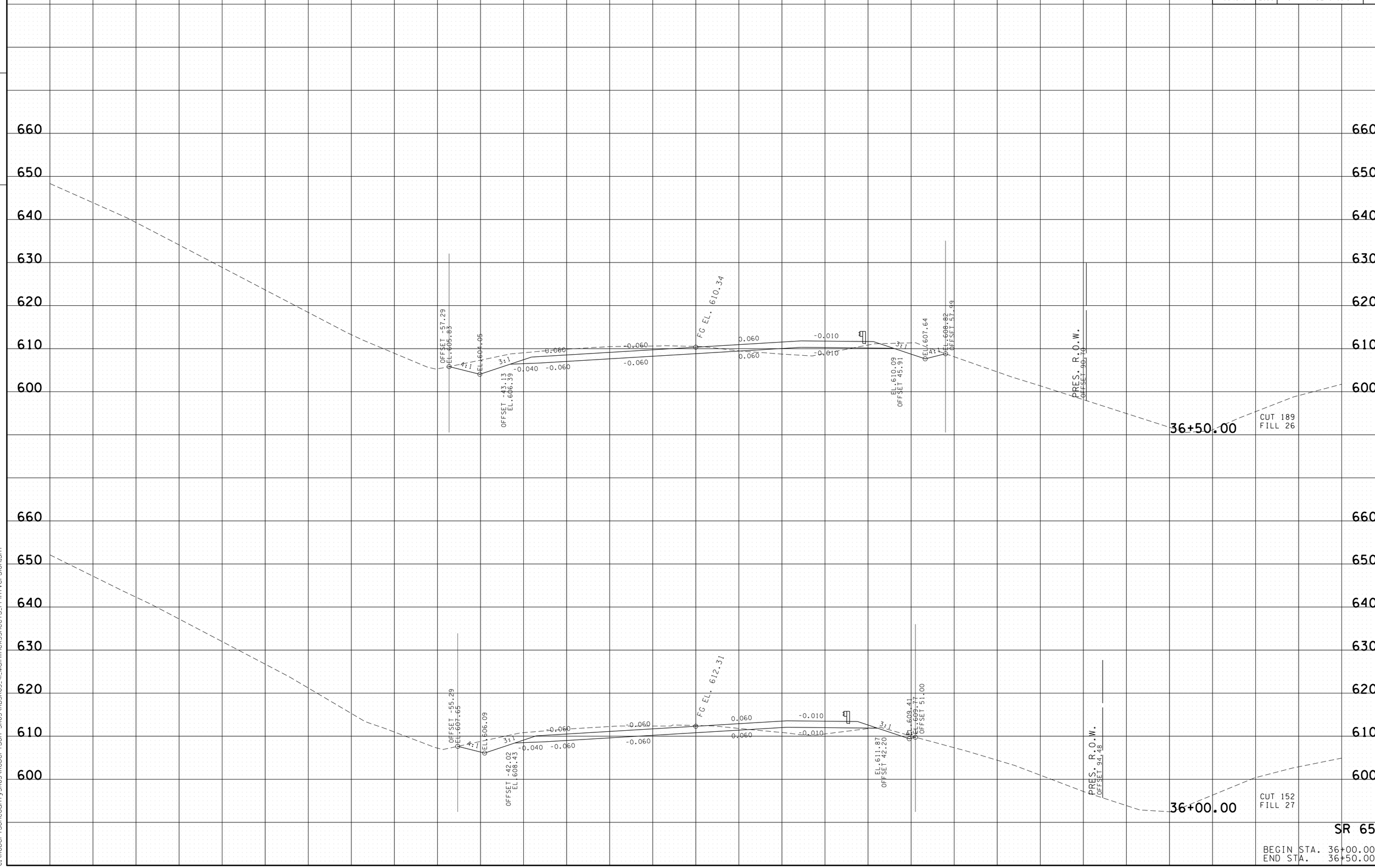
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	53
CONST.	2015	STP/NH/DEMO-65(8)	46

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 36+00.00
END STA. 36+50.00

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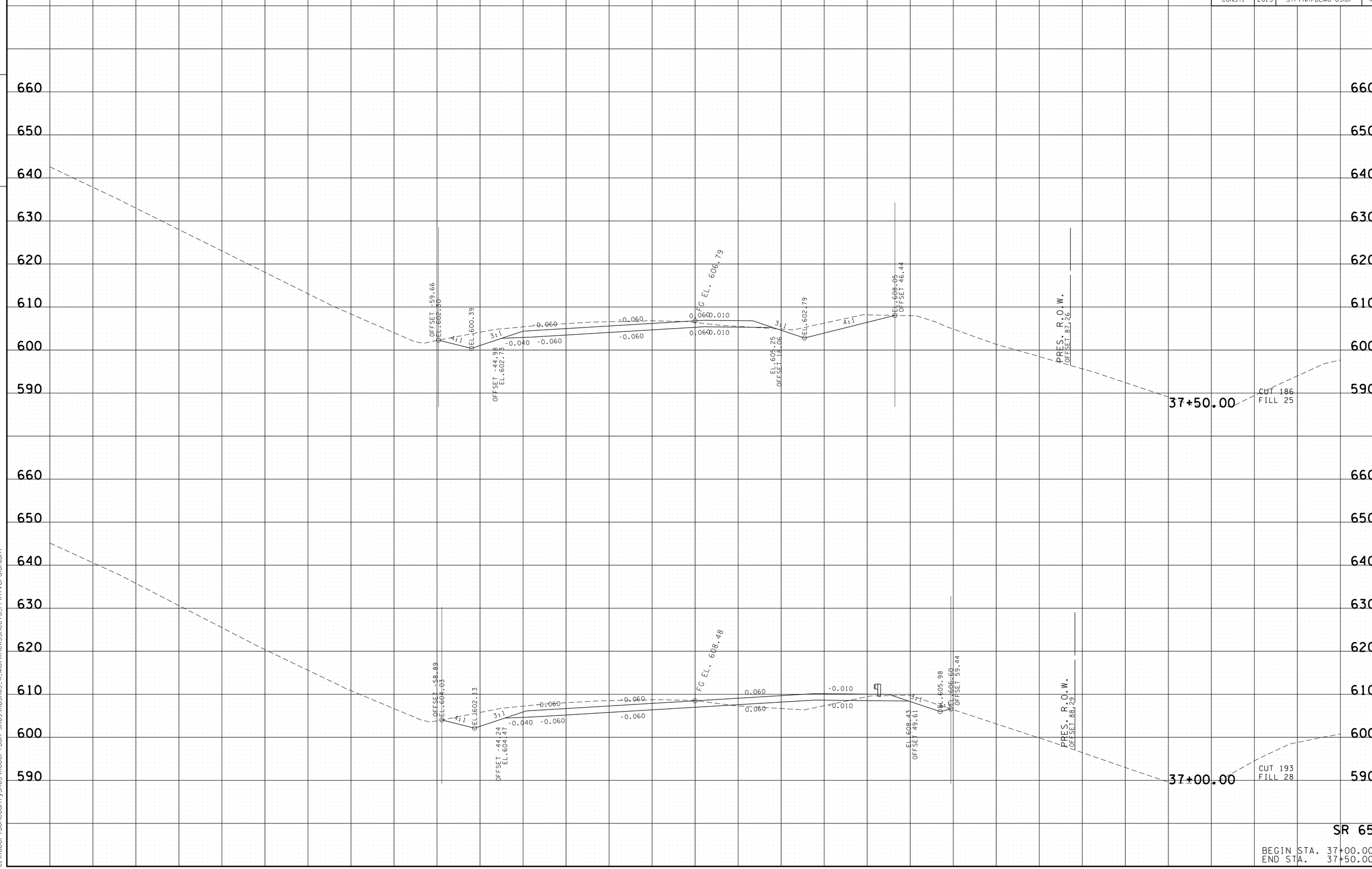
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	54
CONST.	2015	STP/NH/DEMO-65(8)	47

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 37+00.00
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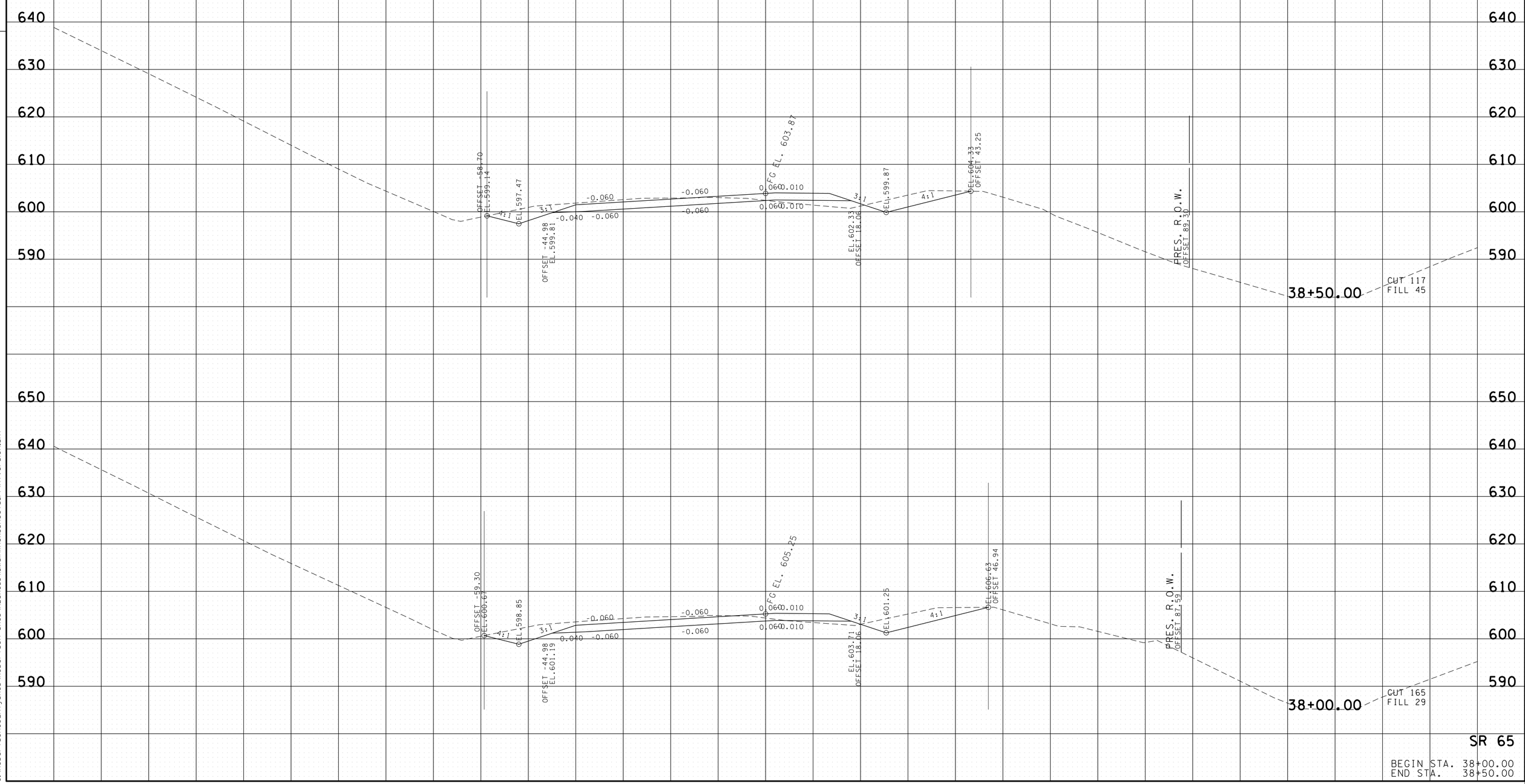
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	55
CONST.	2015	STP/NH/DEMO-65(8)	48

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 65

BEGIN STA. 38+00.00
END STA. 38+50.00

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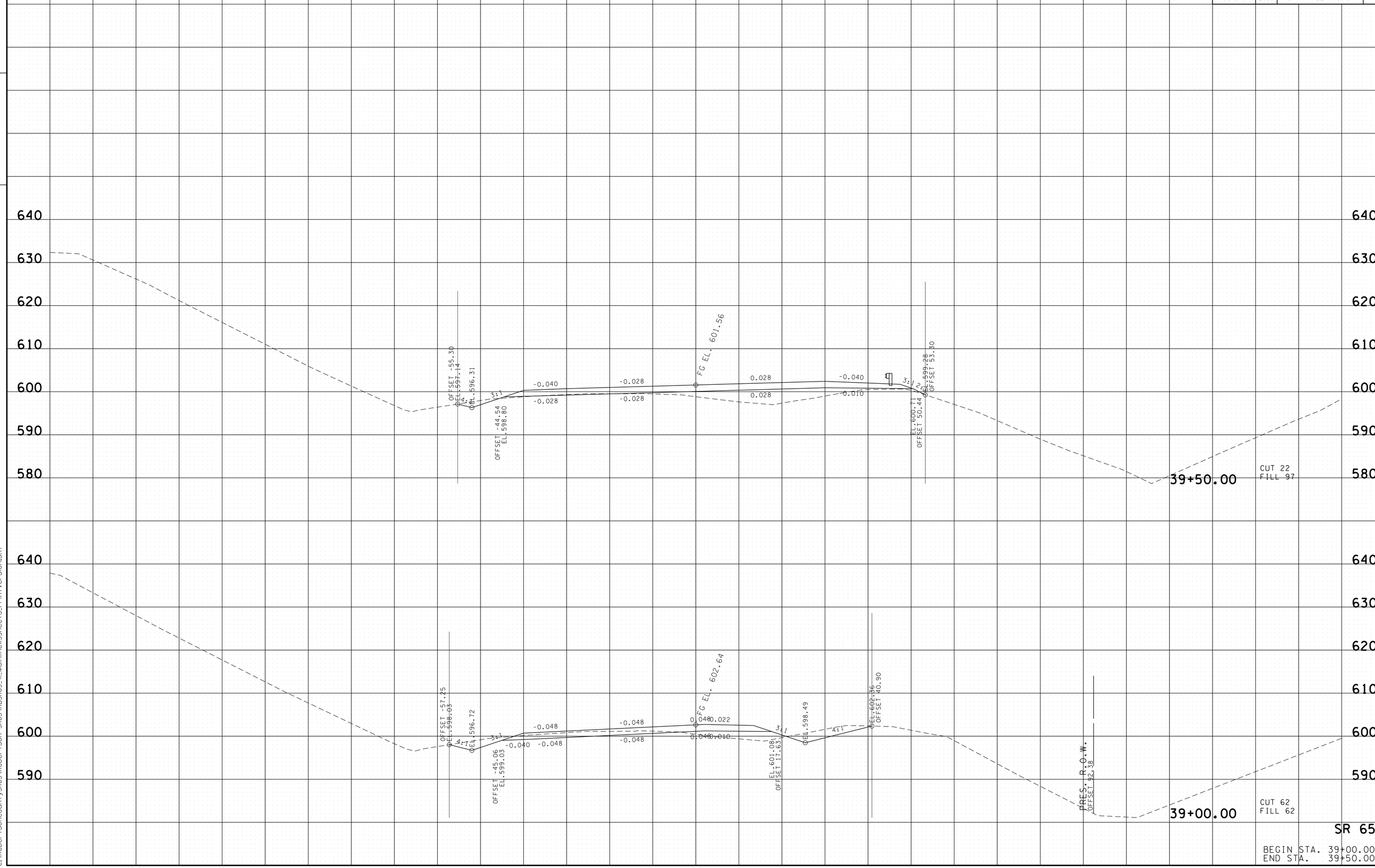
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	56
CONST.	2015	STP/NH/DEMO-65(8)	49

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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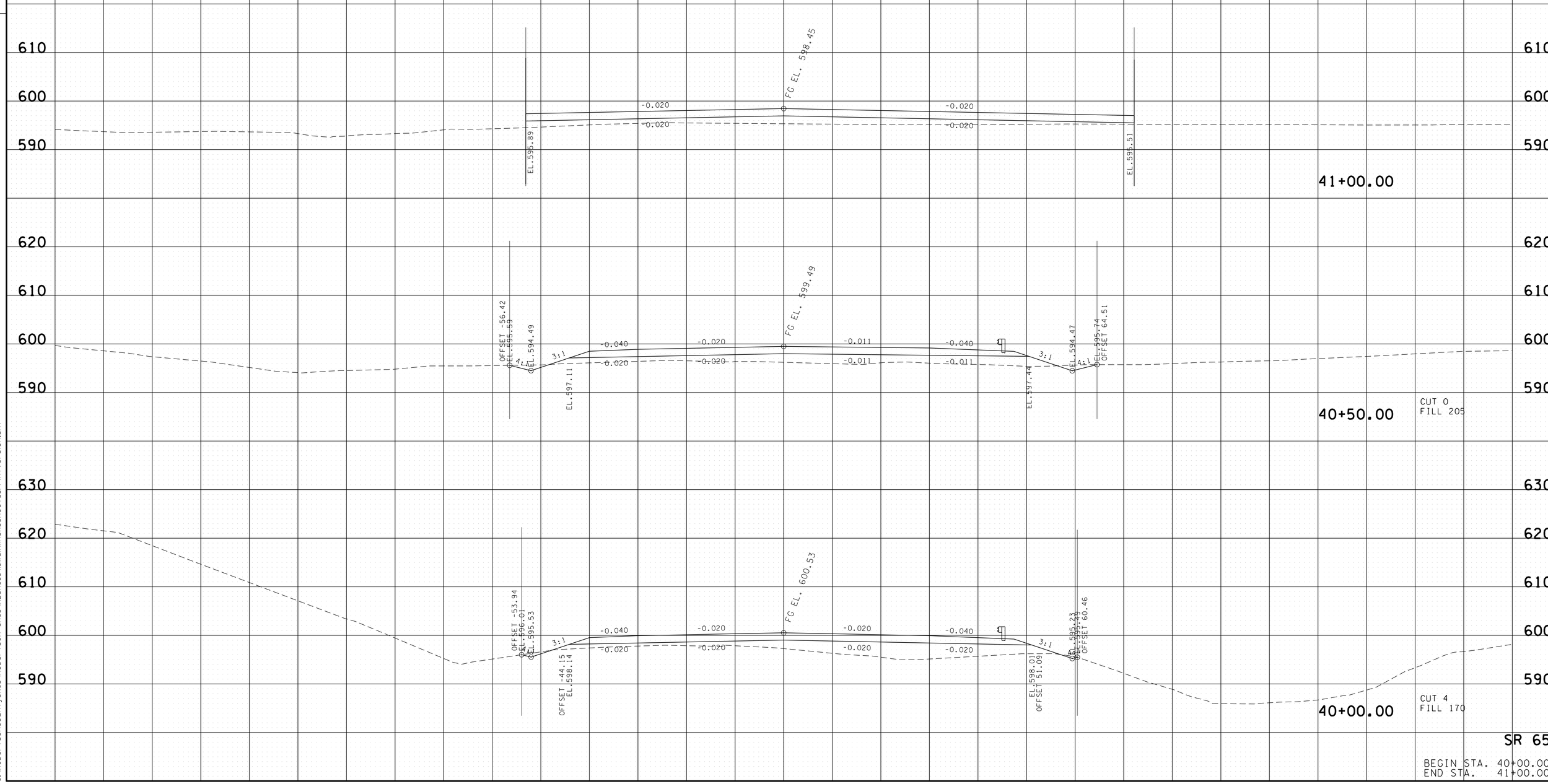
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	57
CONST.	2015	STP/NH/DEMO-65(8)	50

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 40+00.00
END STA. 41+00.00

19-MAY-2015 09:58
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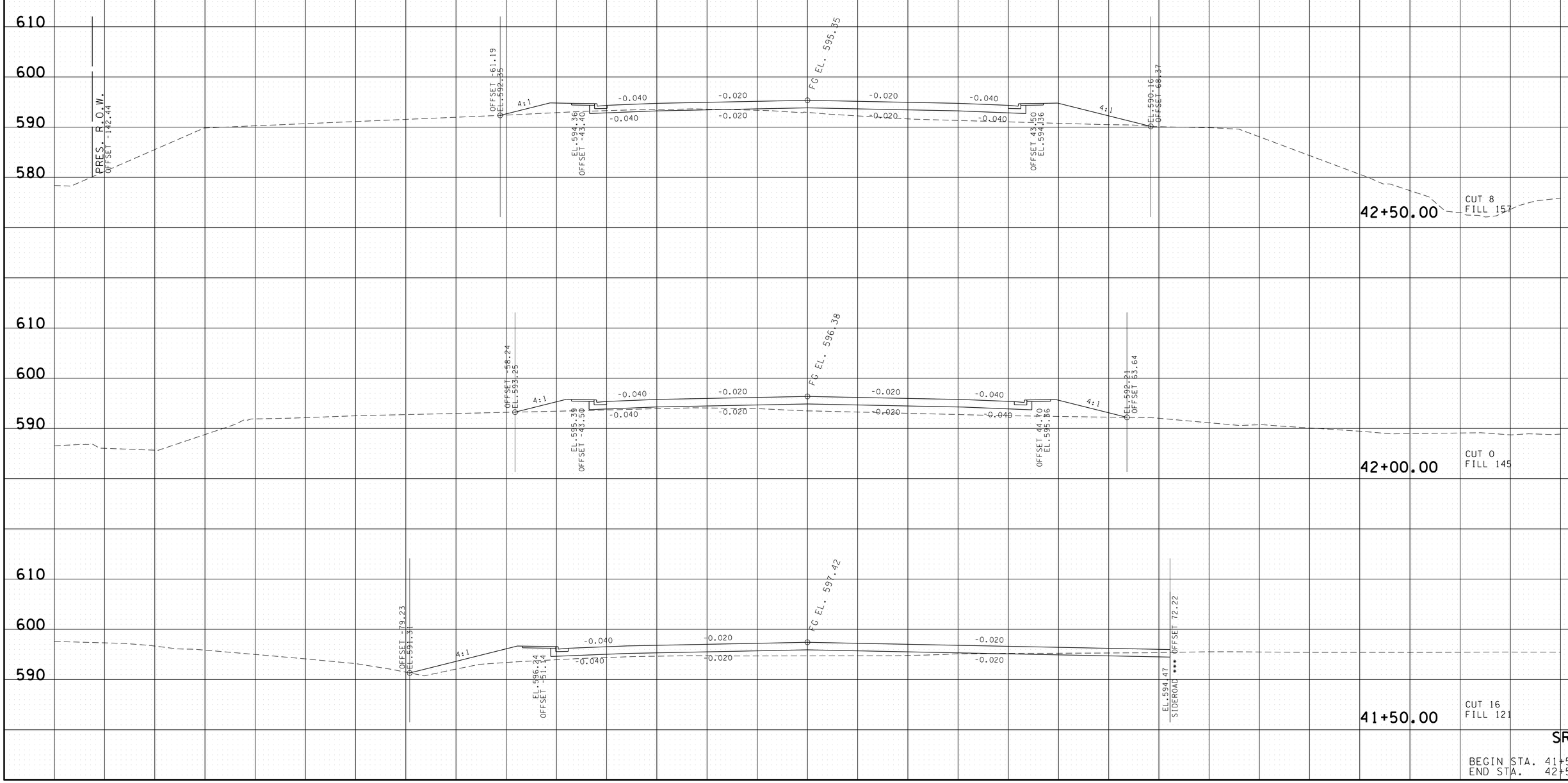
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	58
CONST.	2015	STP/NH/DEMO-65(8)	51

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 41+50.00
END STA. 42+50.00

19-MAY-2015 09:58
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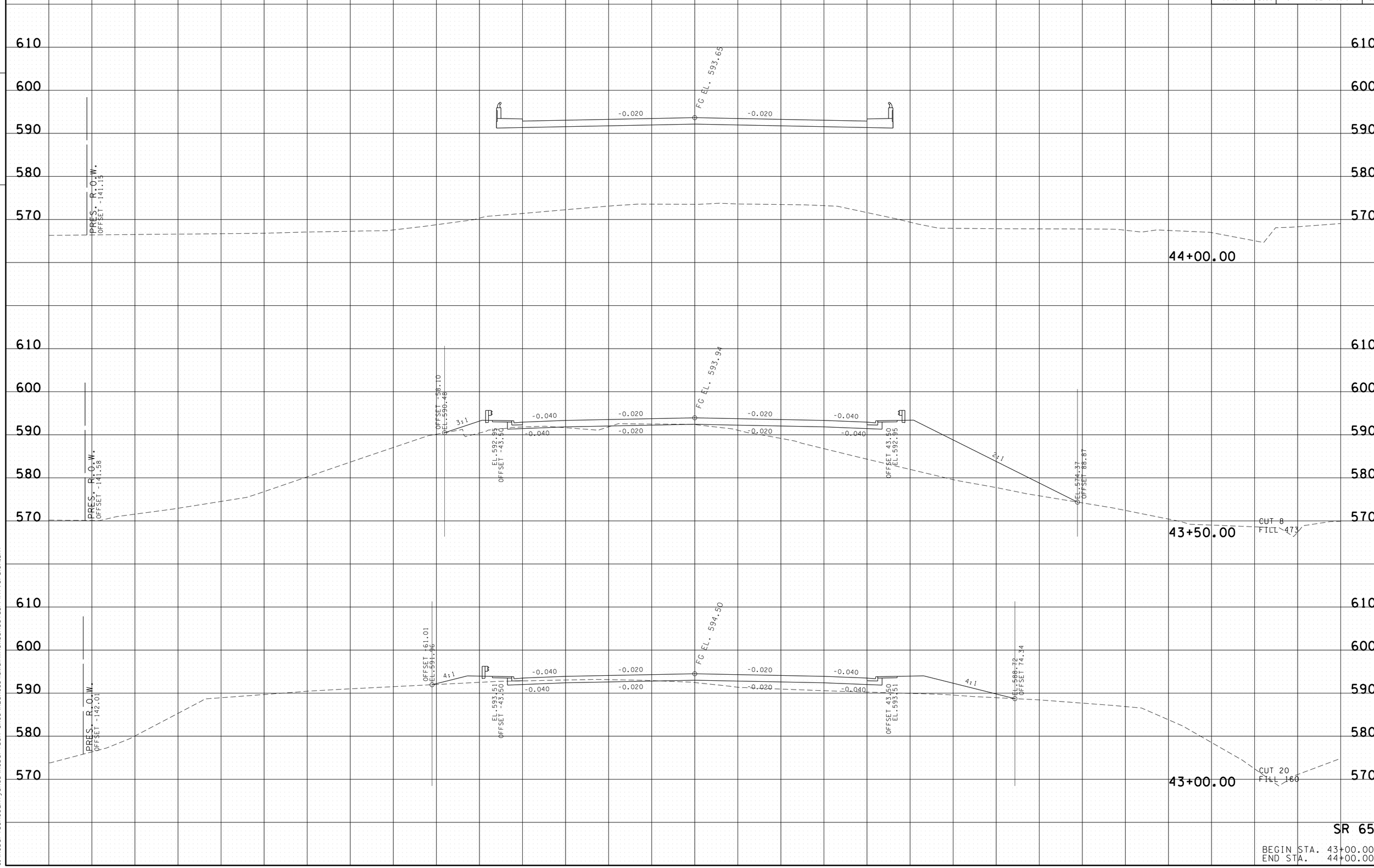
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	59
CONST.	2015	STP/NH/DEMO-65(8)	52

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



SR 65

BEGIN STA. 43+00.00
END STA. 44+00.00

19-MAY-2015 09:58
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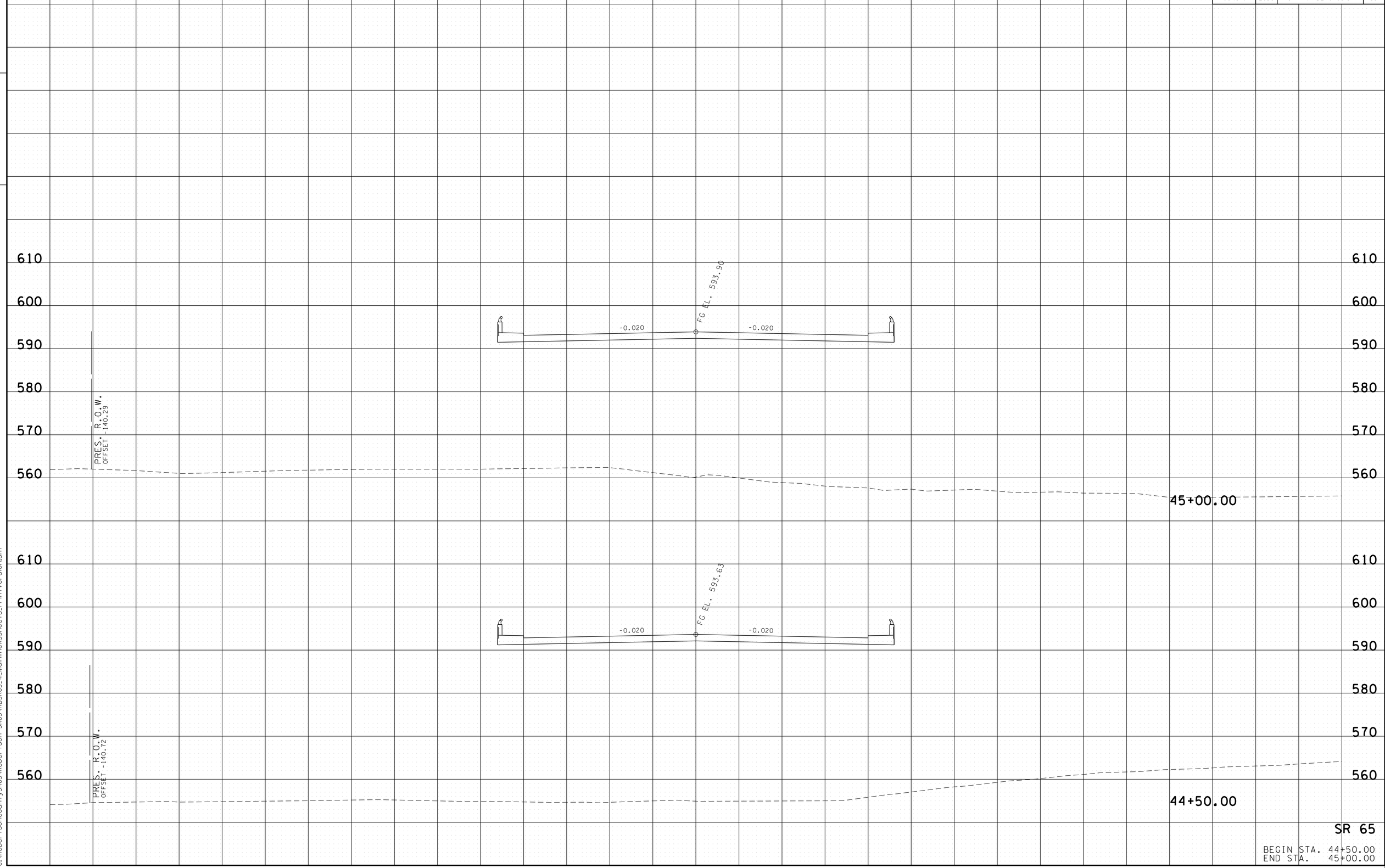
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	60
CONST.	2015	STP/NH/DEMO-65(8)	53

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 44+50.00
END STA. 45+00.00

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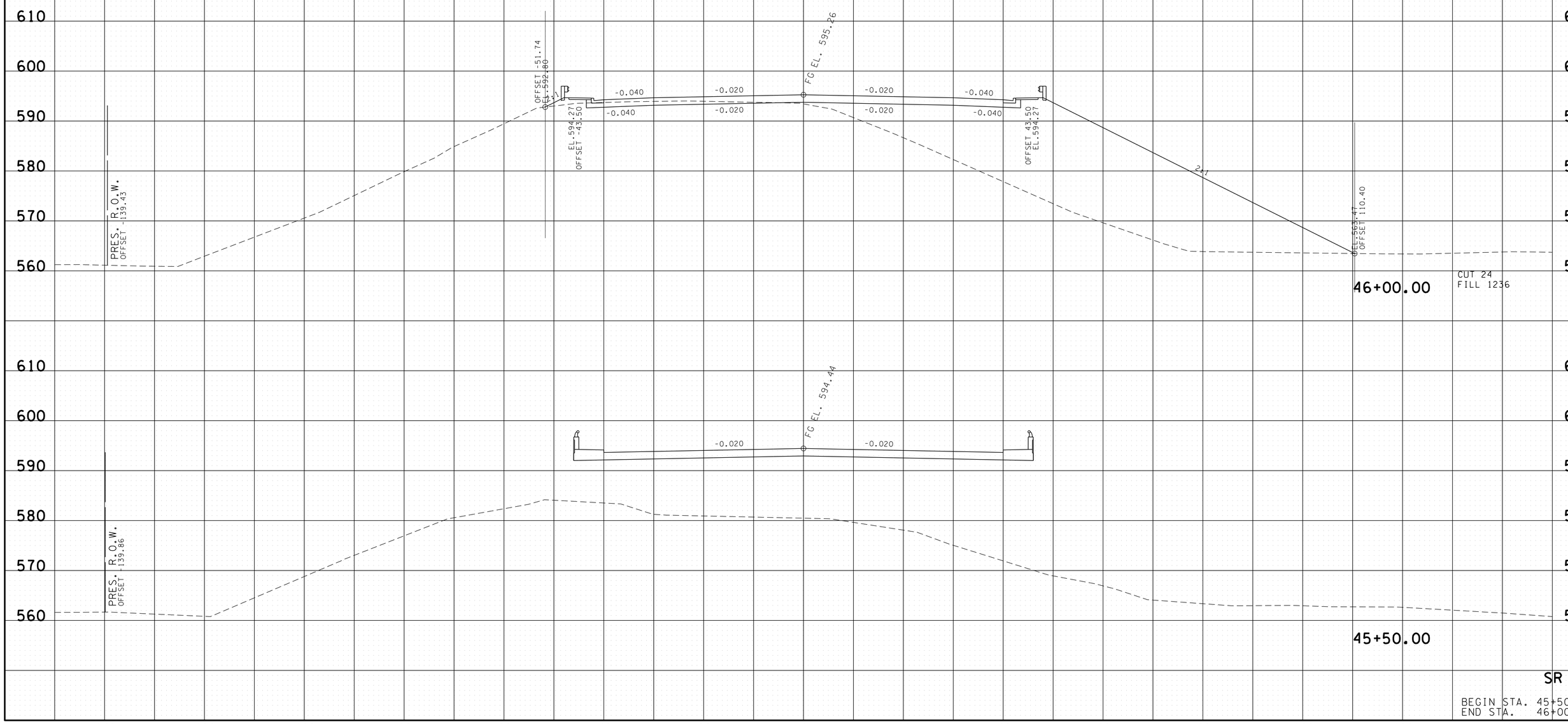
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	61
CONST.	2015	STP/NH/DEMO-65(8)	54

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 45+50.00
END STA. 46+00.00

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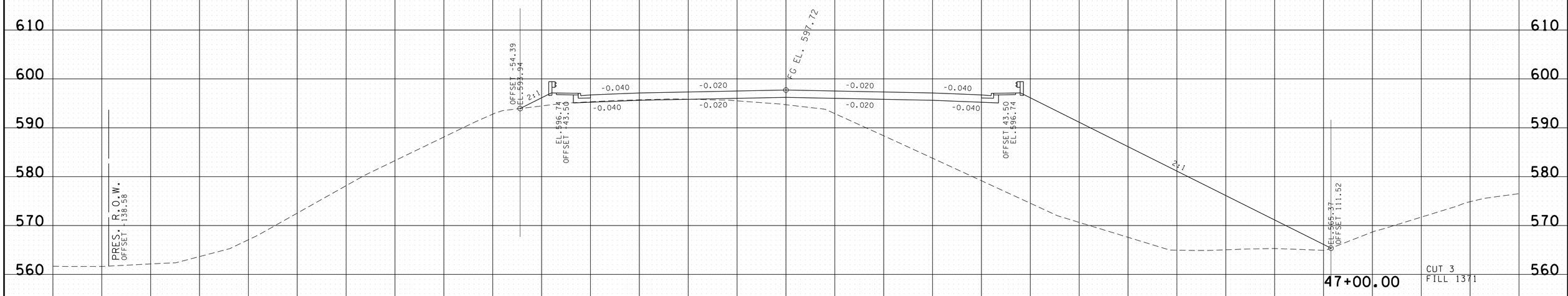
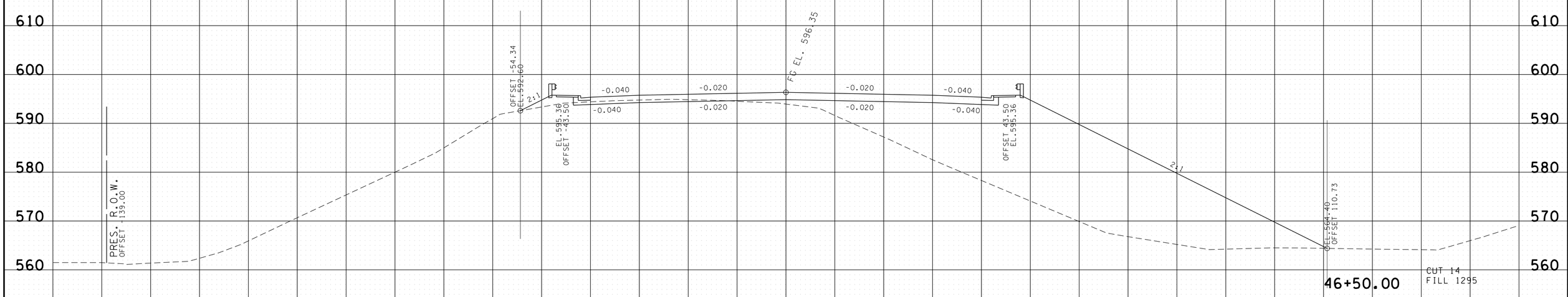
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	62
CONST.	2015	STP/NH/DEMO-65(8)	55

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION





SR 65

BEGIN STA. 46+50.00
END STA. 47+00.00

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

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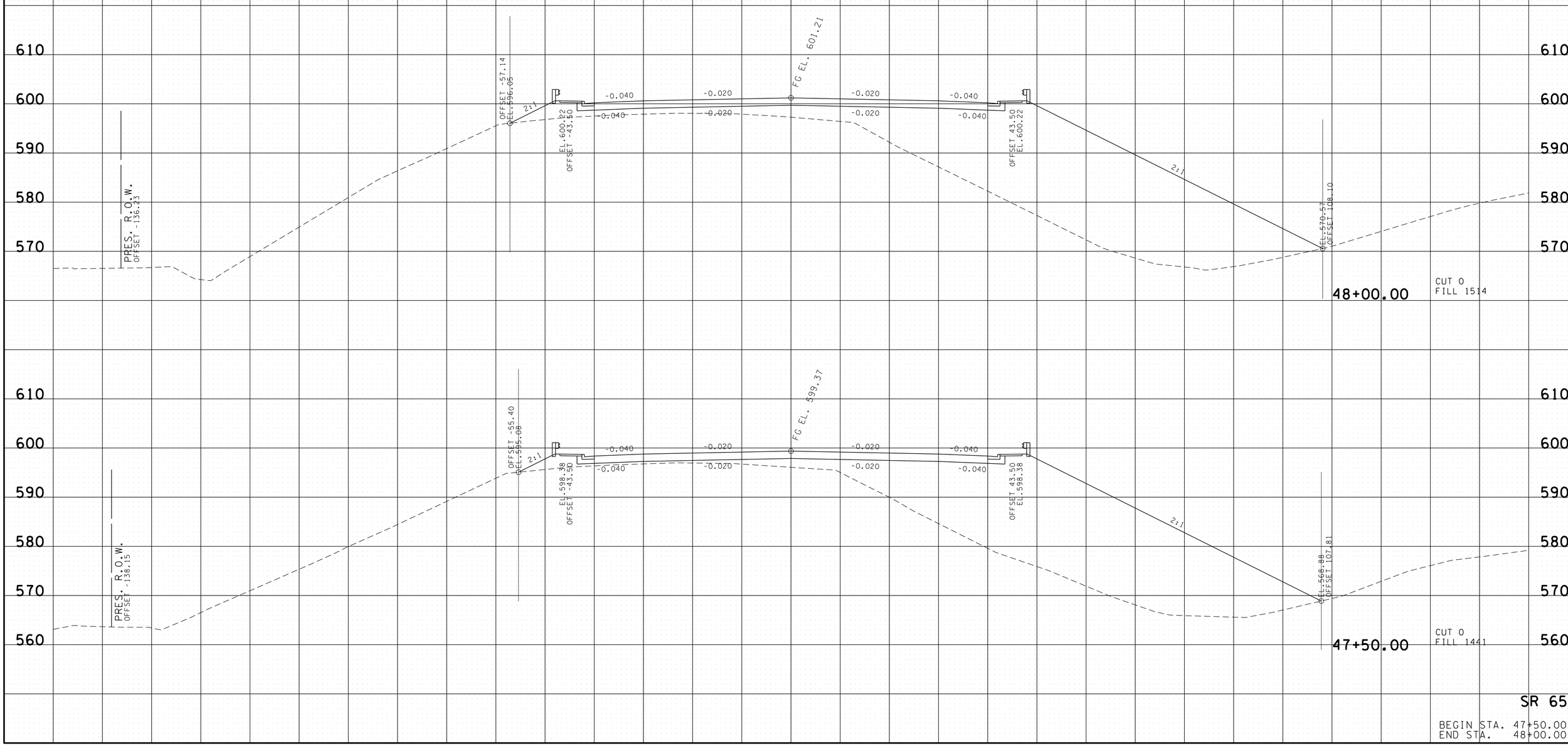
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	63
CONST.	2015	STP/NH/DEMO-65(8)	56

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 47+50.00
END STA. 48+00.00

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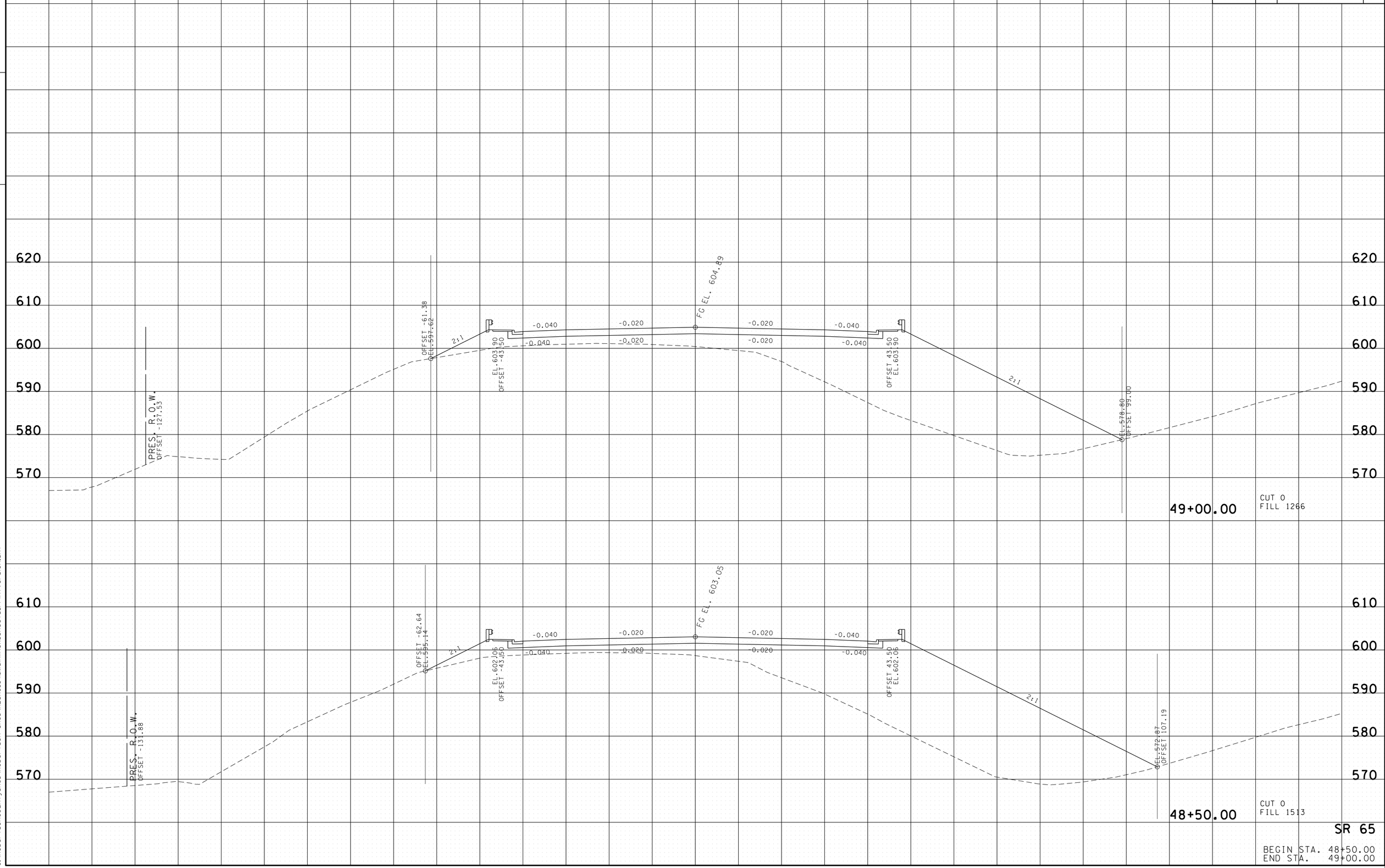
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	64
CONST.	2015	STP/NH/DEMO-65(8)	57

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 48+50.00
END STA. 49+00.00

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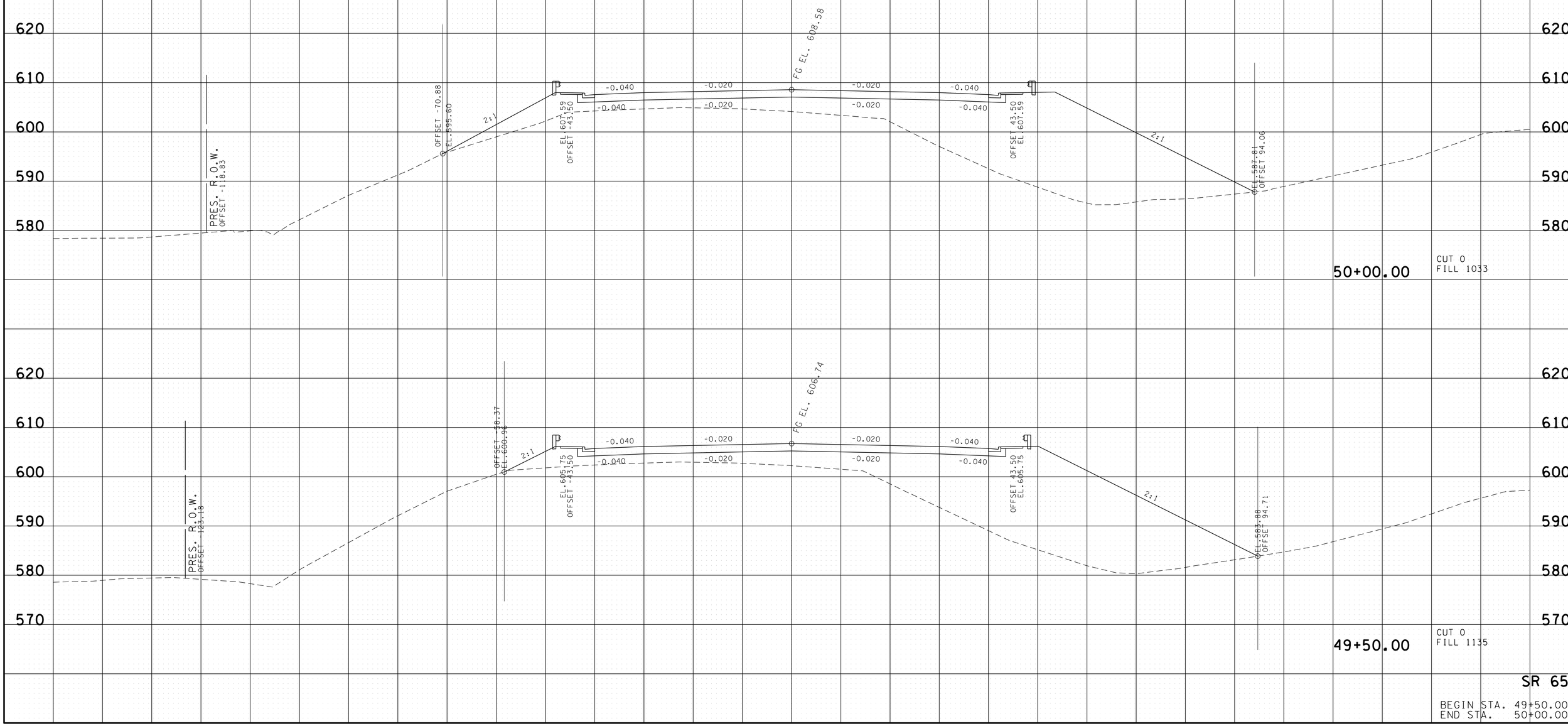
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	65
CONST.	2015	STP/NH/DEMO-65(8)	58

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 49+50.00
END STA. 50+00.00

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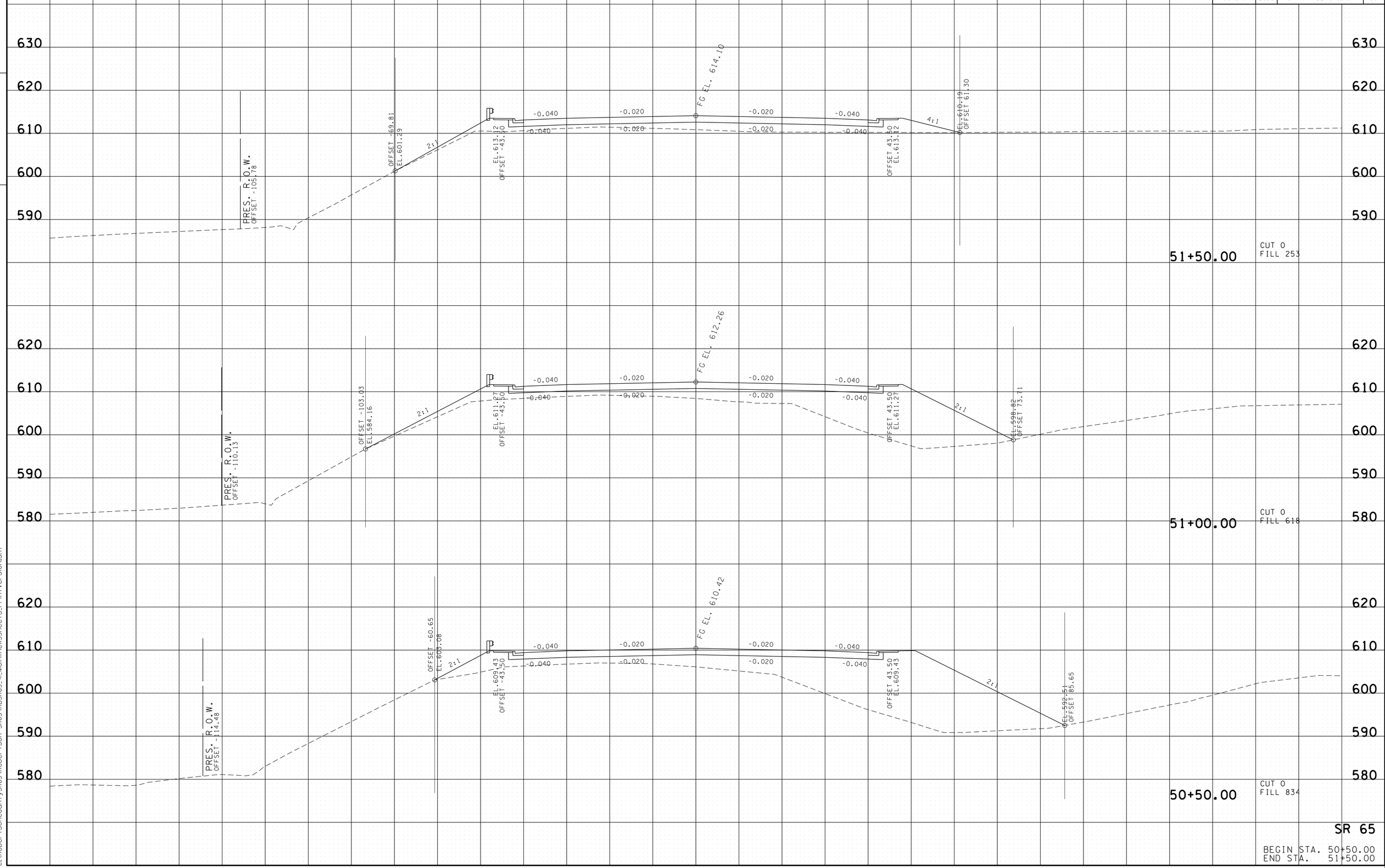
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	66
CONST.	2015	STP/NH/DEMO-65(8)	59

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 50+50.00
END STA. 51+50.00

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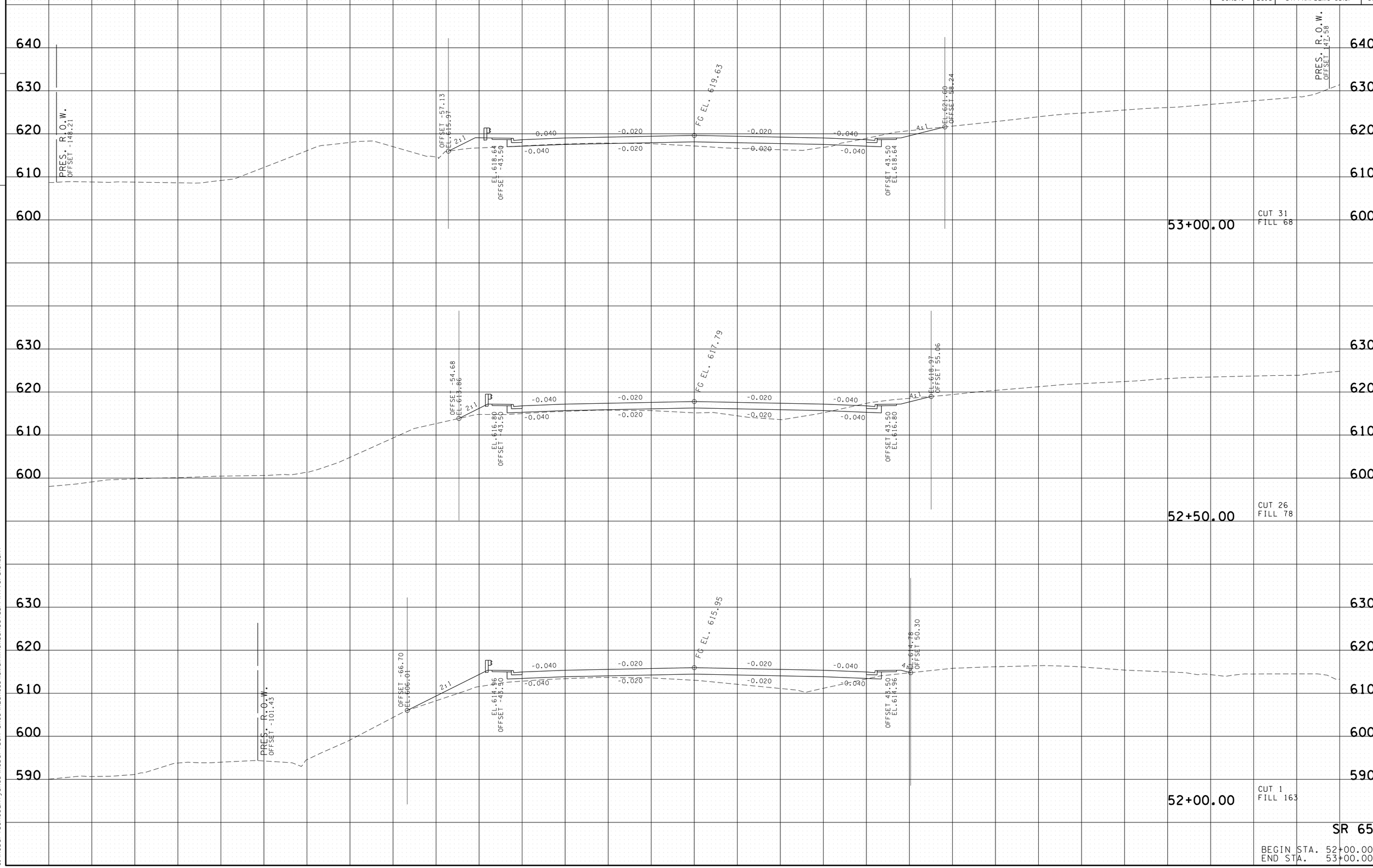
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	67
CONST.	2015	STP/NH/DEMO-65(8)	60



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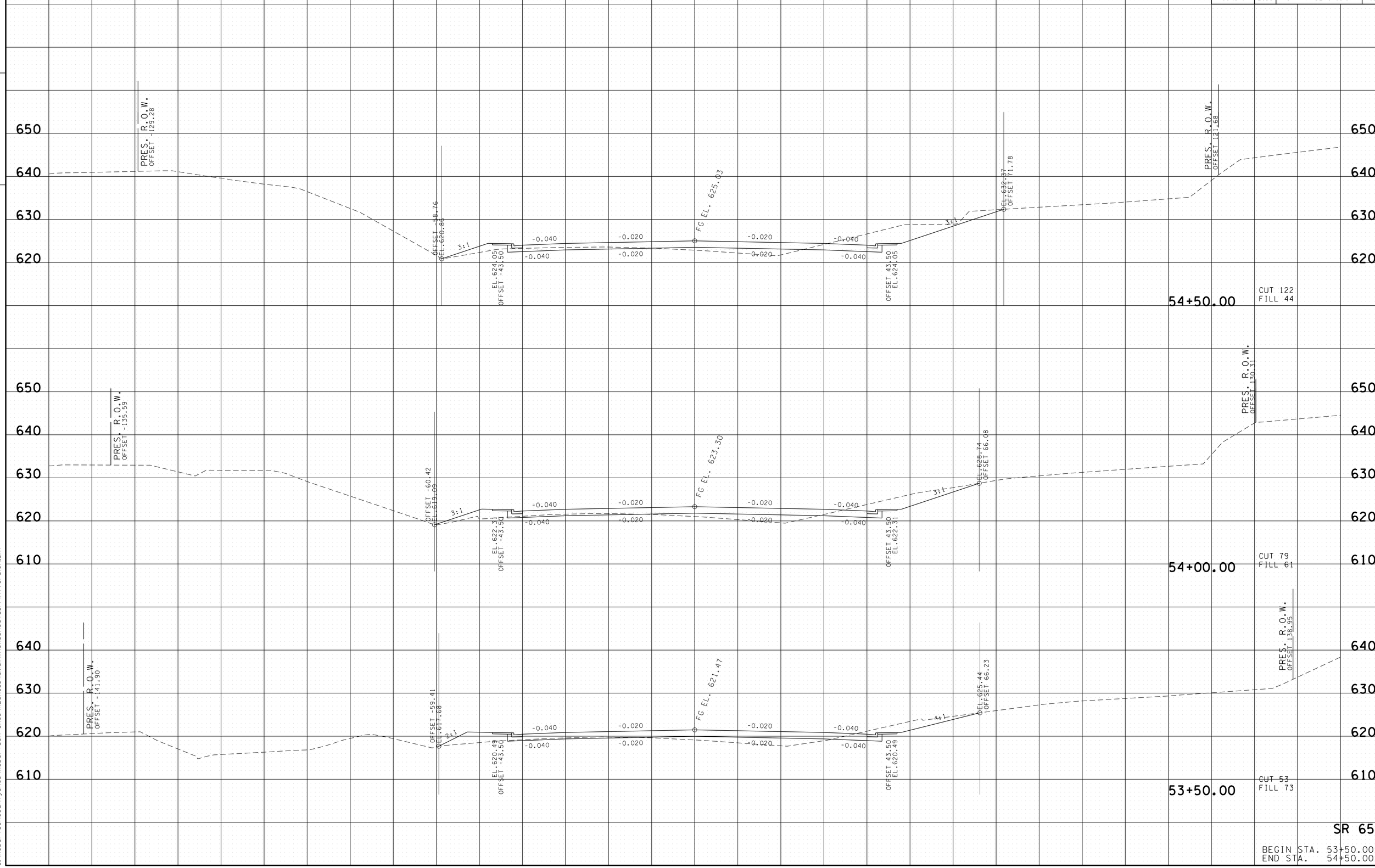
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	68
CONST.	2015	STP/NH/DEMO-65(8)	61

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



SR 65

BEGIN STA. 53+50.00
END STA. 54+50.00

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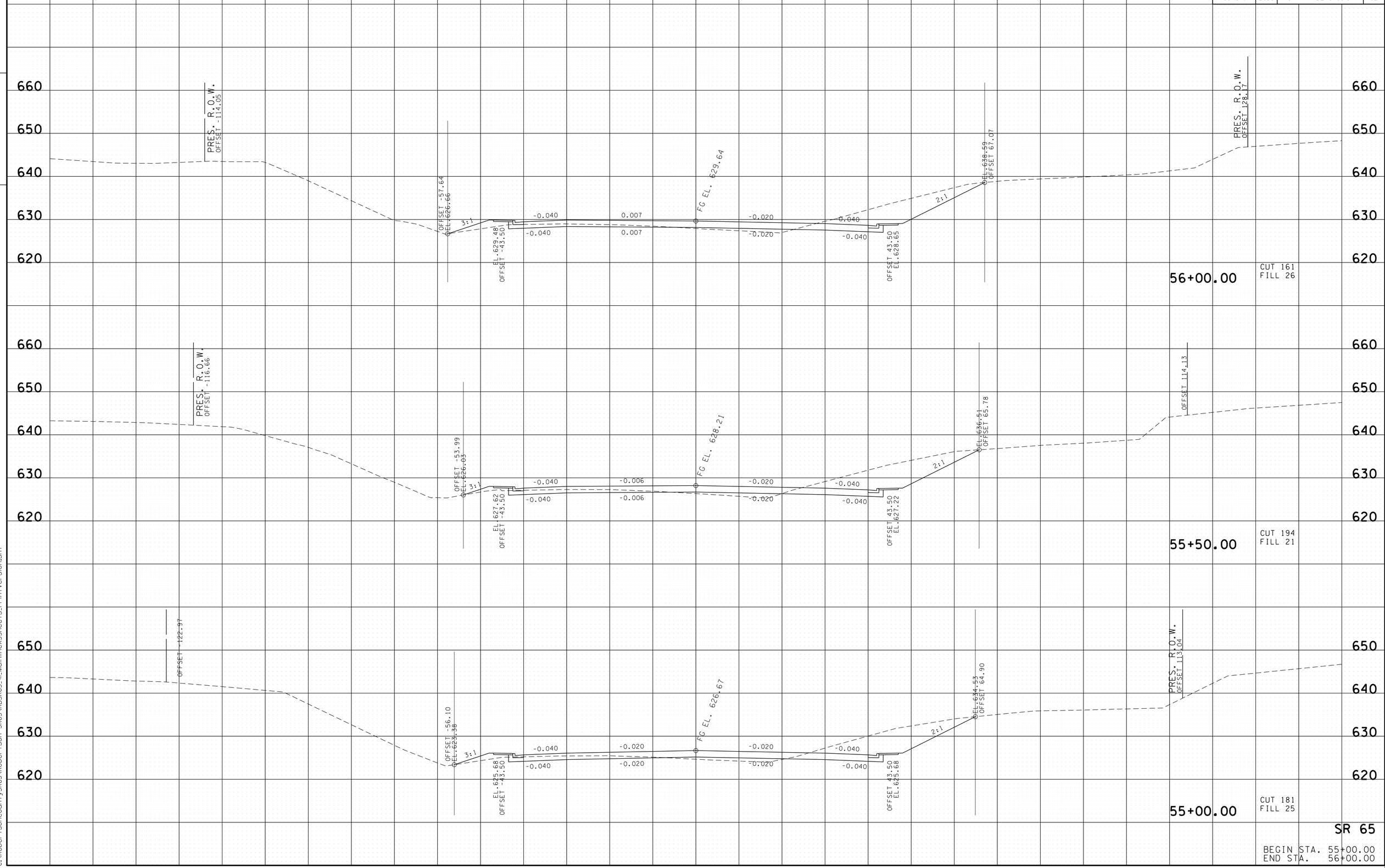
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	69
CONST.	2015	STP/NH/DEMO-65(8)	62

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 55+00.00
END STA. 56+00.00

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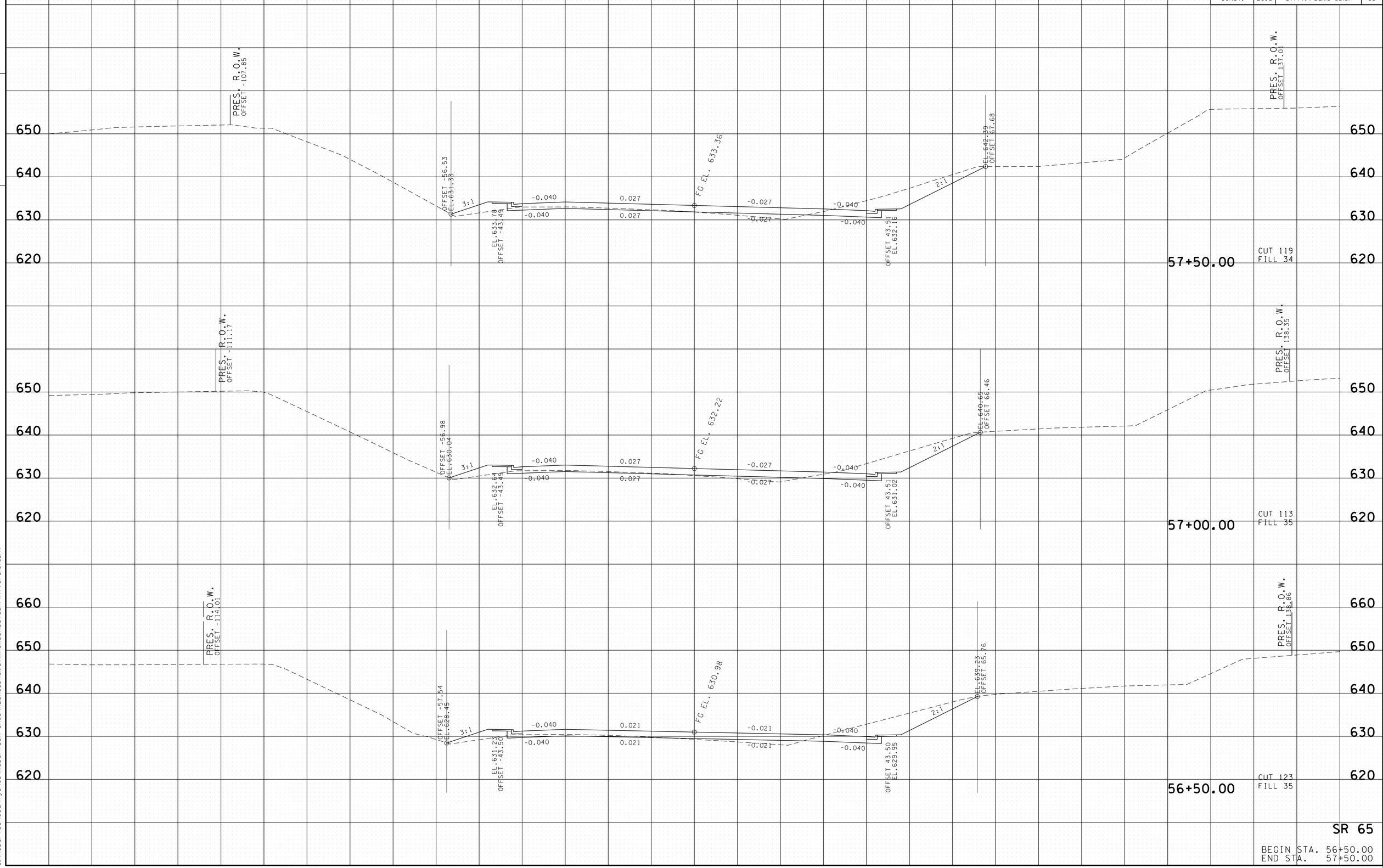
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	70
CONST.	2015	STP/NH/DEMO-65(8)	63

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



SR 65

BEGIN STA. 56+50.00
END STA. 57+50.00

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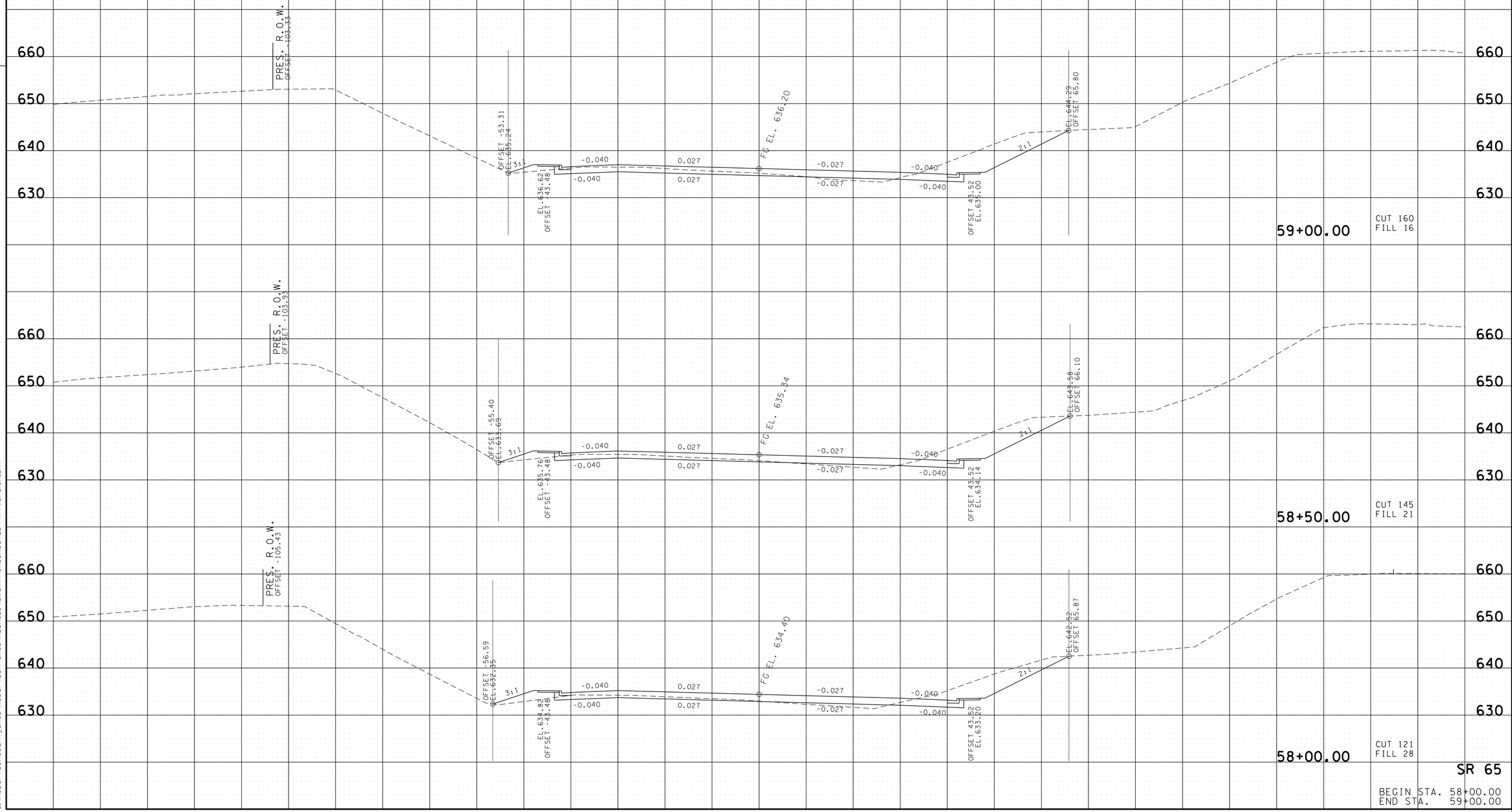
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	71
CONST.	2015	STP/NH/DEMO-65(8)	64

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 65

BEGIN STA. 58+00.00
END STA. 59+00.00

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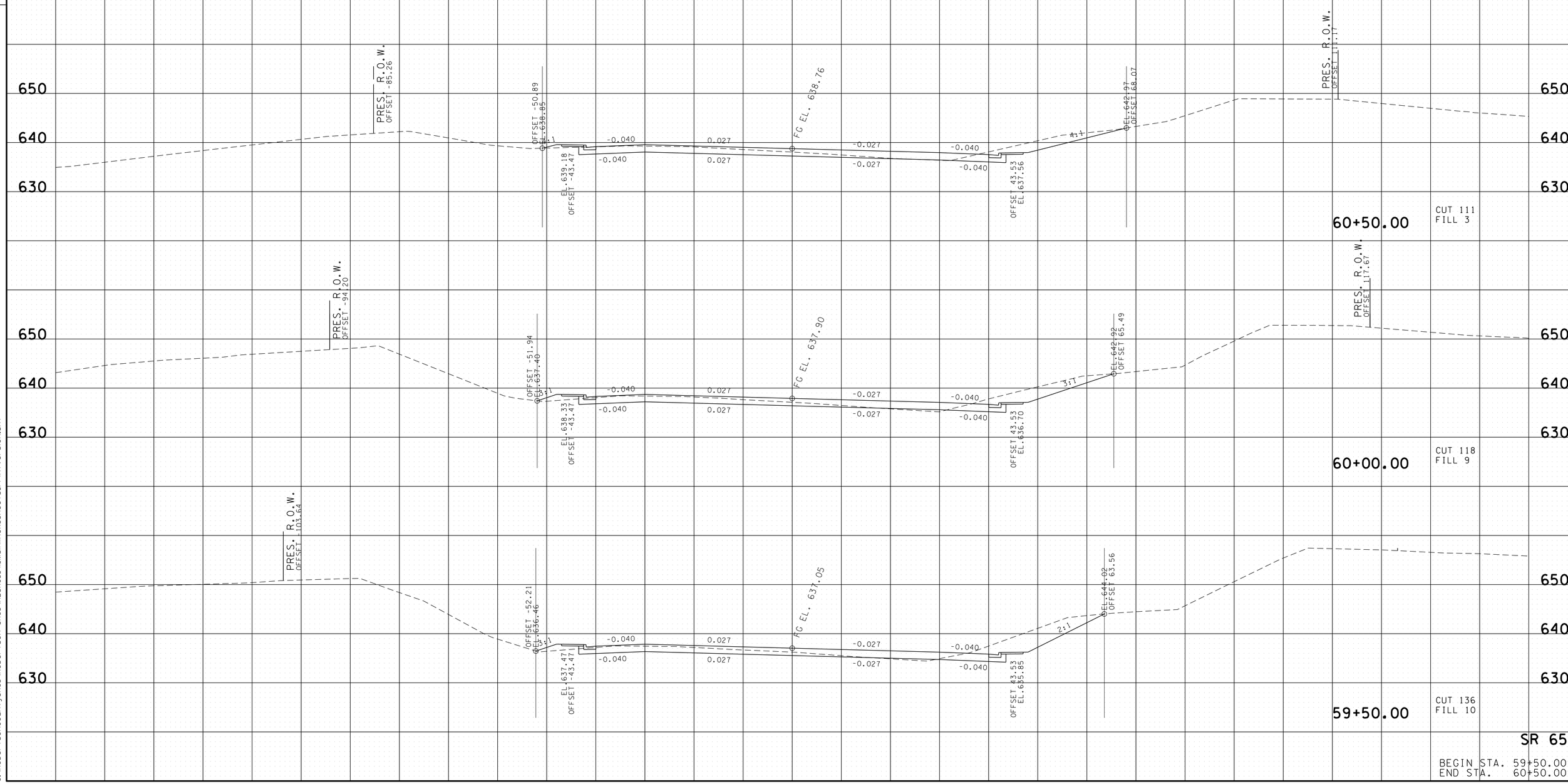
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	72
CONST.	2015	STP/NH/DEMO-65(8)	65

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 65

BEGIN STA. 59+50.00
END STA. 60+50.00

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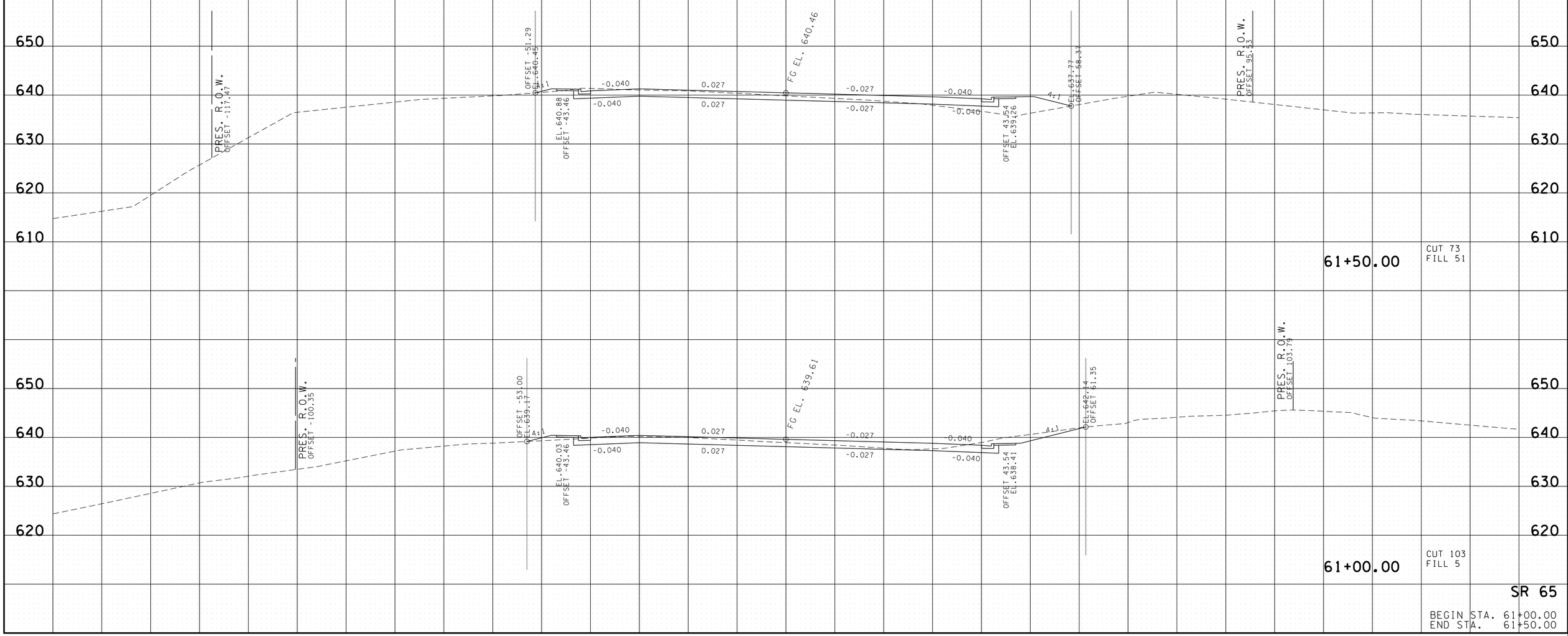
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	73
CONST.	2015	STP/NH/DEMO-65(8)	66

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 61+00.00
END STA. 61+50.00

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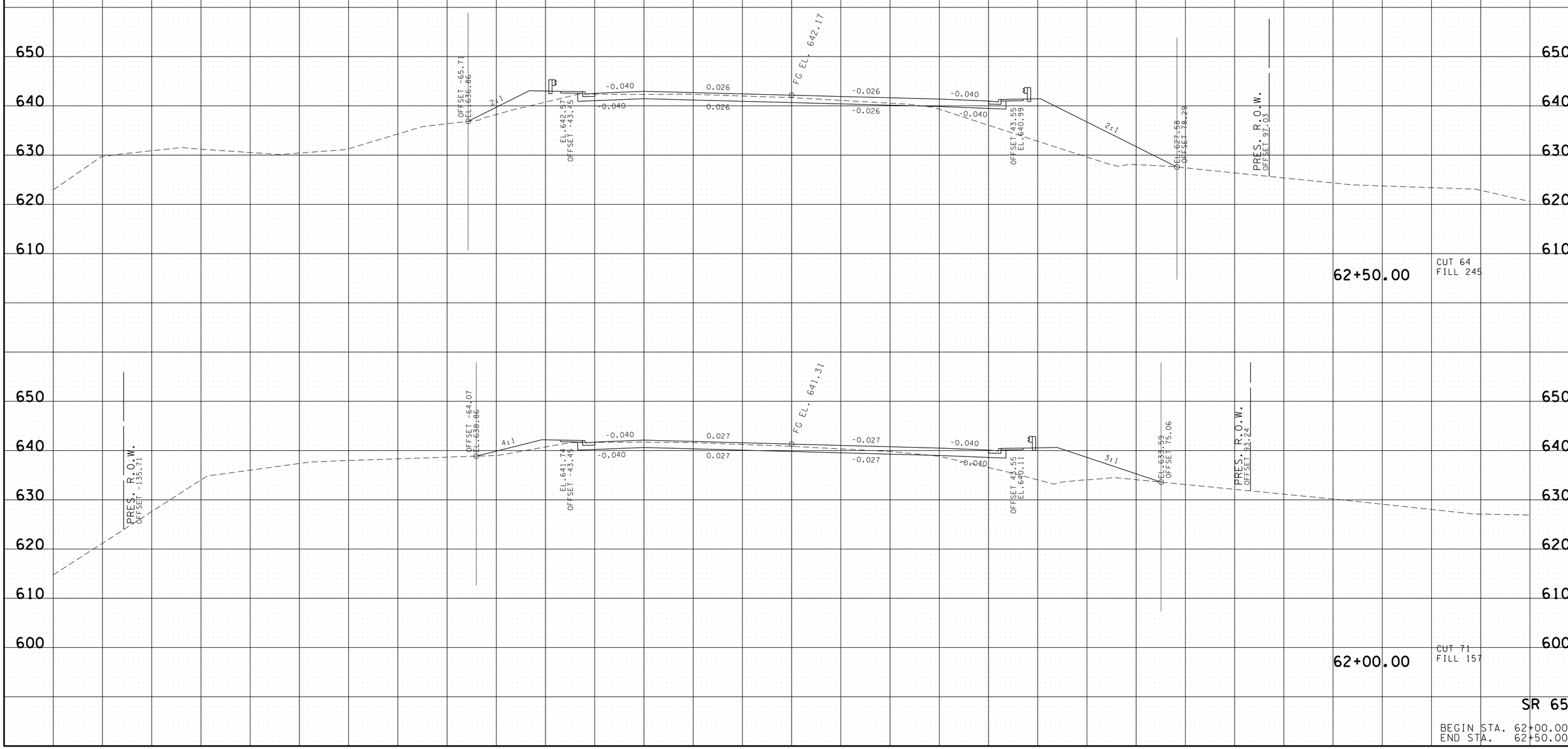
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	74
CONST.	2015	STP/NH/DEMO-65(8)	67

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 62+00.00
END STA. 62+50.00

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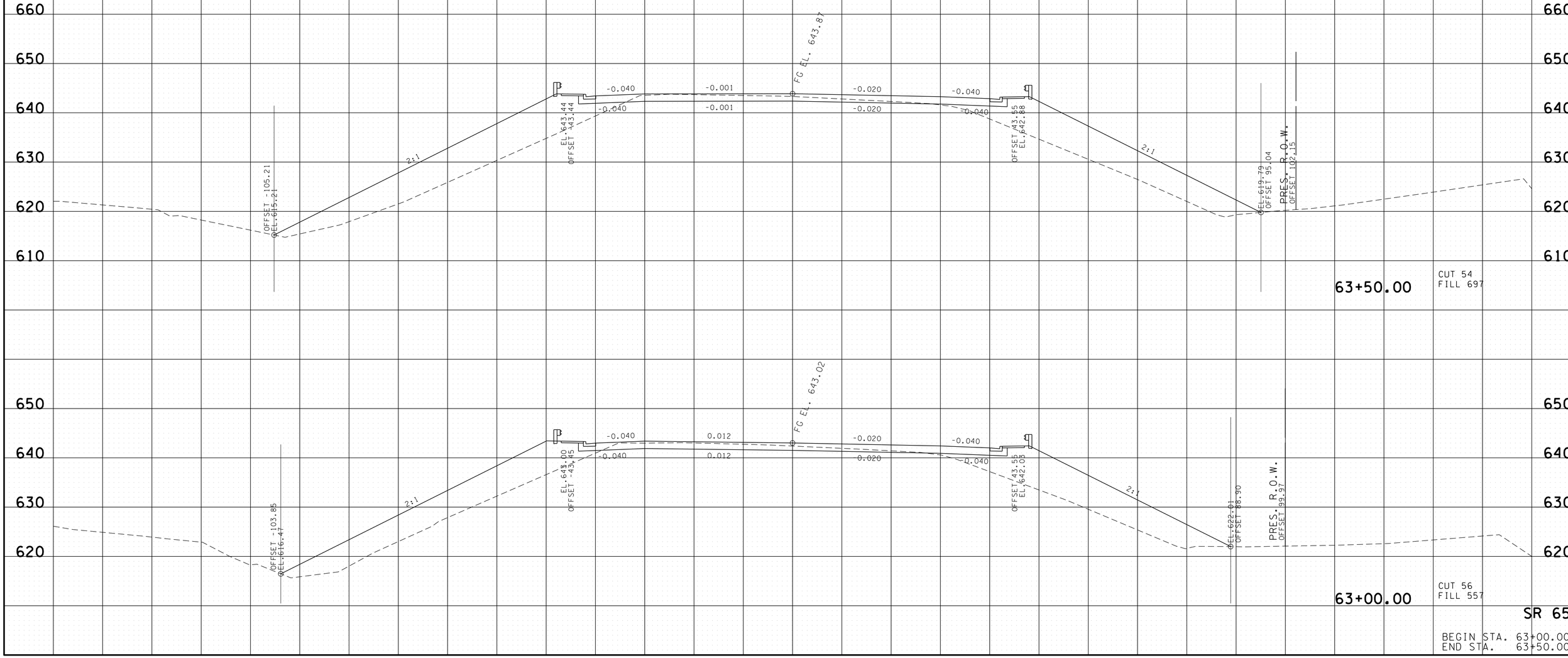
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	75
CONST.	2015	STP/NH/DEMO-65(8)	68

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 63+00.00
END STA. 63+50.00

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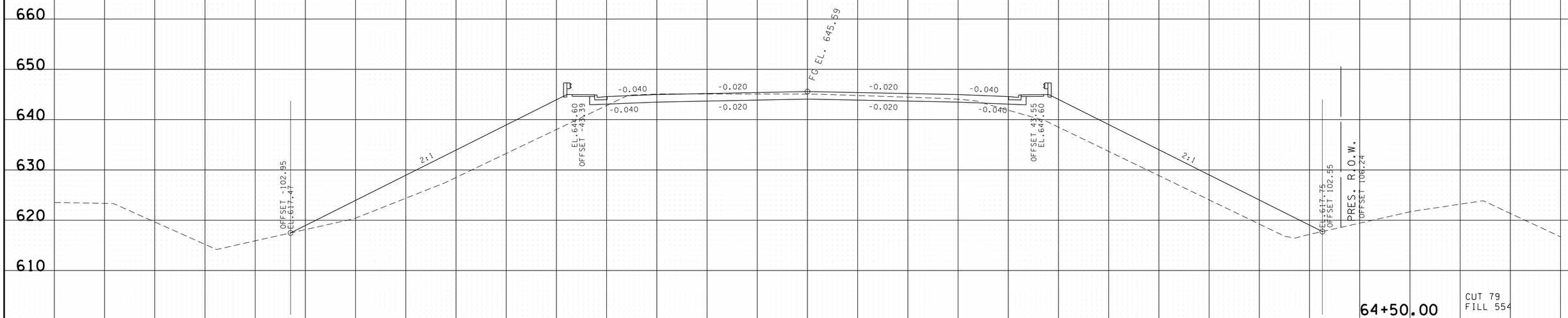
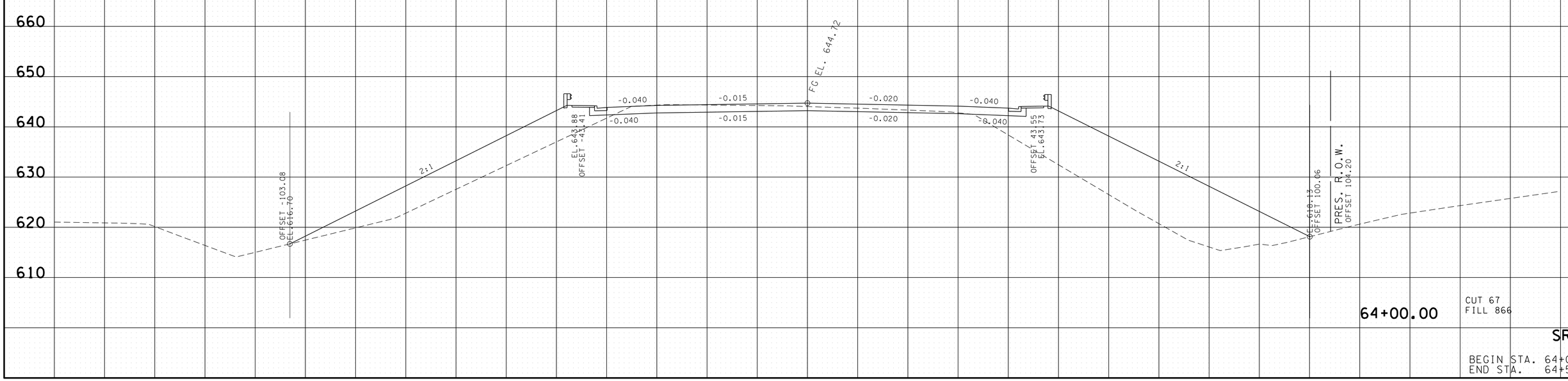
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	76
CONST.	2015	STP/NH/DEMO-65(8)	69

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION





SR 65

BEGIN STA. 64+00.00
END STA. 64+50.00

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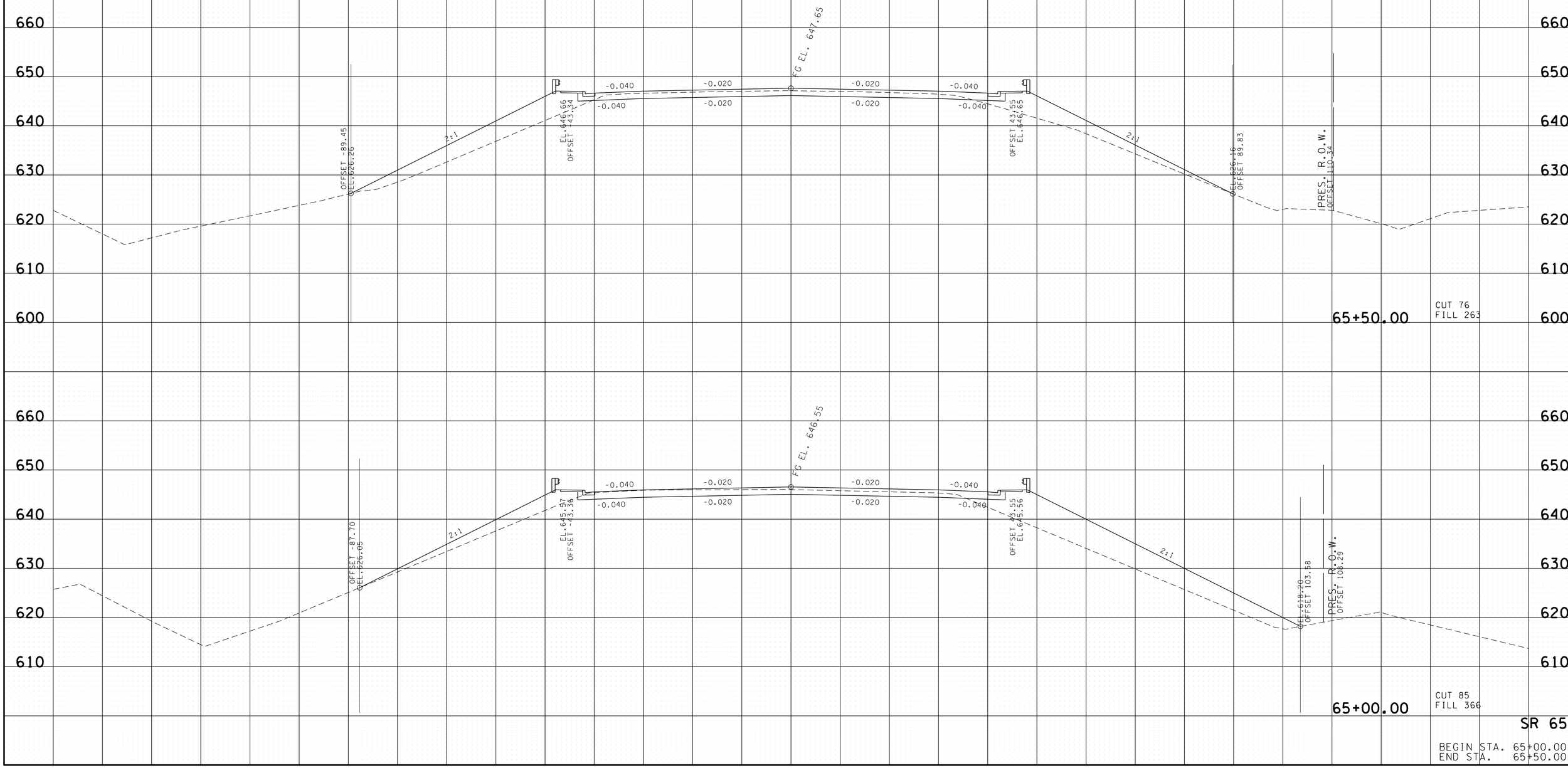
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	77
CONST.	2015	STP/NH/DEMO-65(8)	70

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 65

BEGIN STA. 65+00.00
END STA. 65+50.00

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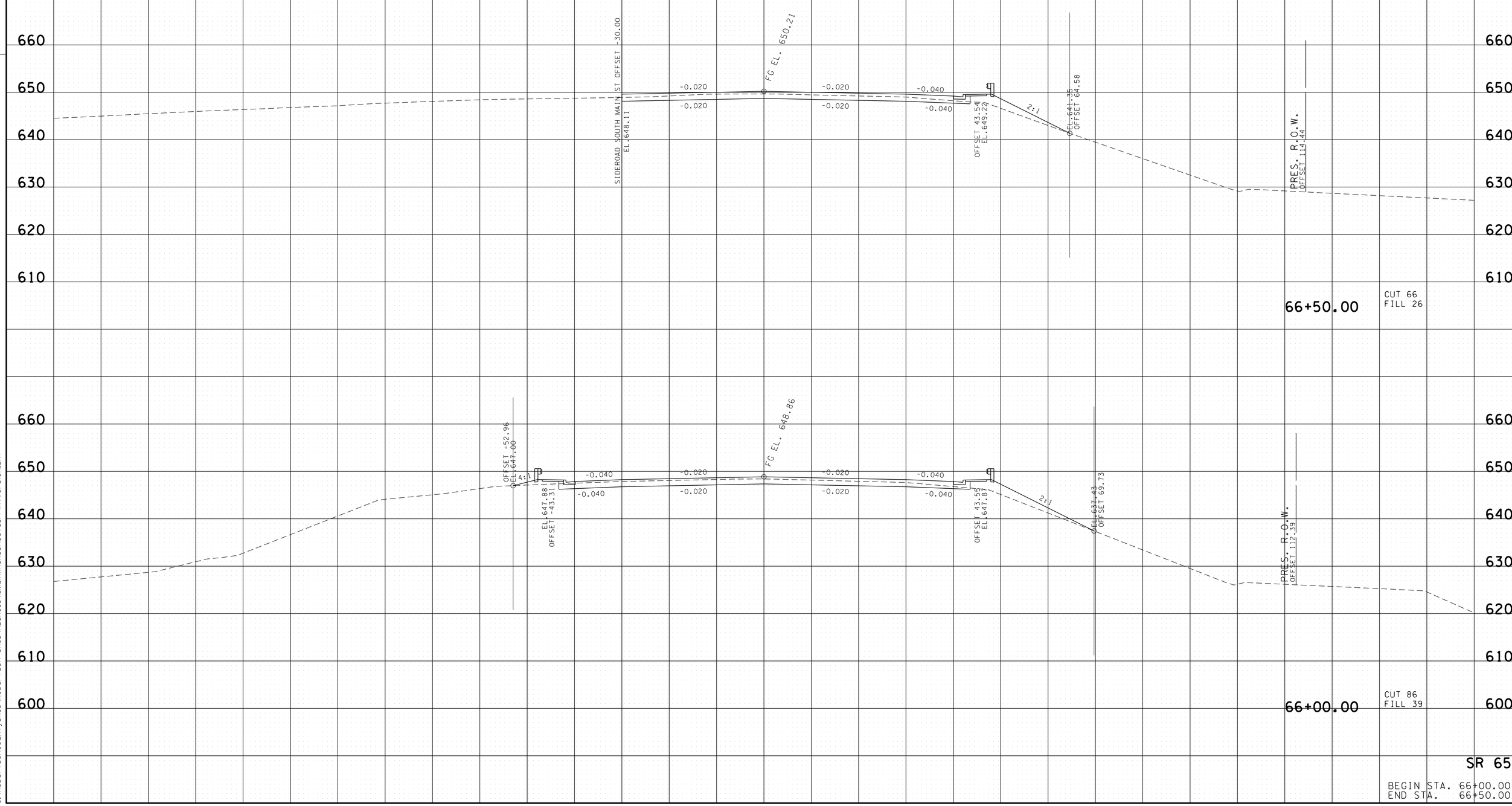
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	78
CONST.	2015	STP/NH/DEMO-65(8)	71

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 66+00.00
END STA. 66+50.00

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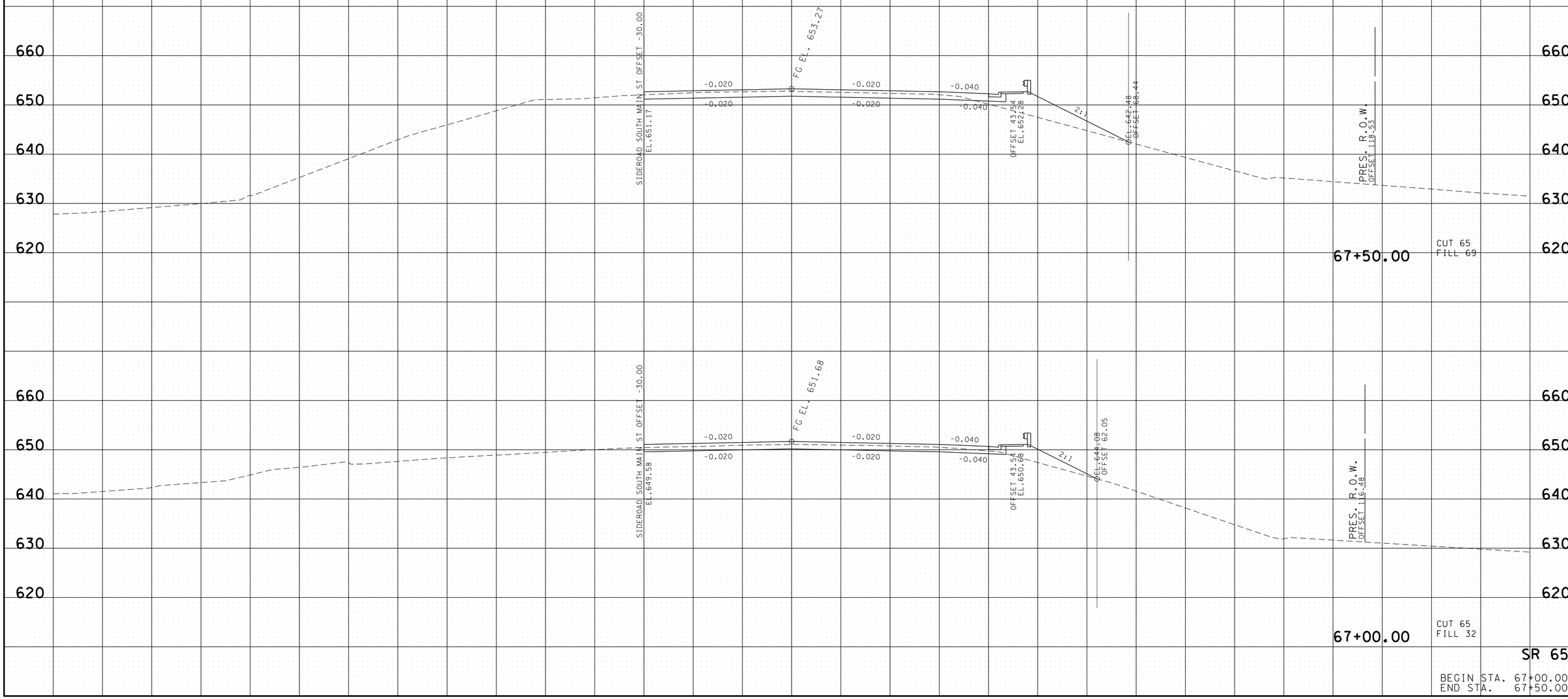
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	79
CONST.	2015	STP/NH/DEMO-65(8)	72

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 67+00.00
END STA. 67+50.00

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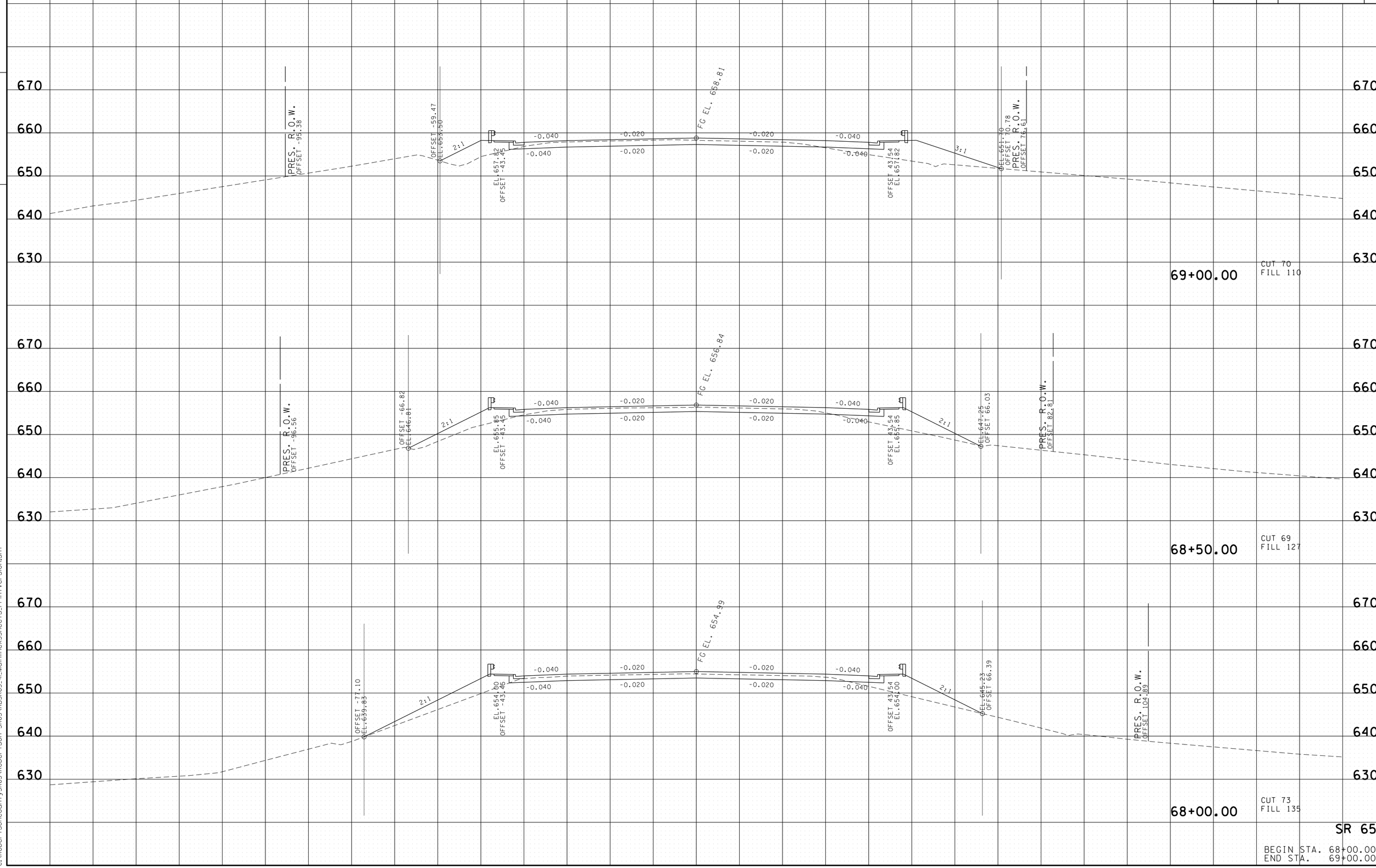
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	80
CONST.	2015	STP/NH/DEMO-65(8)	73

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 68+00.00
END STA. 69+00.00

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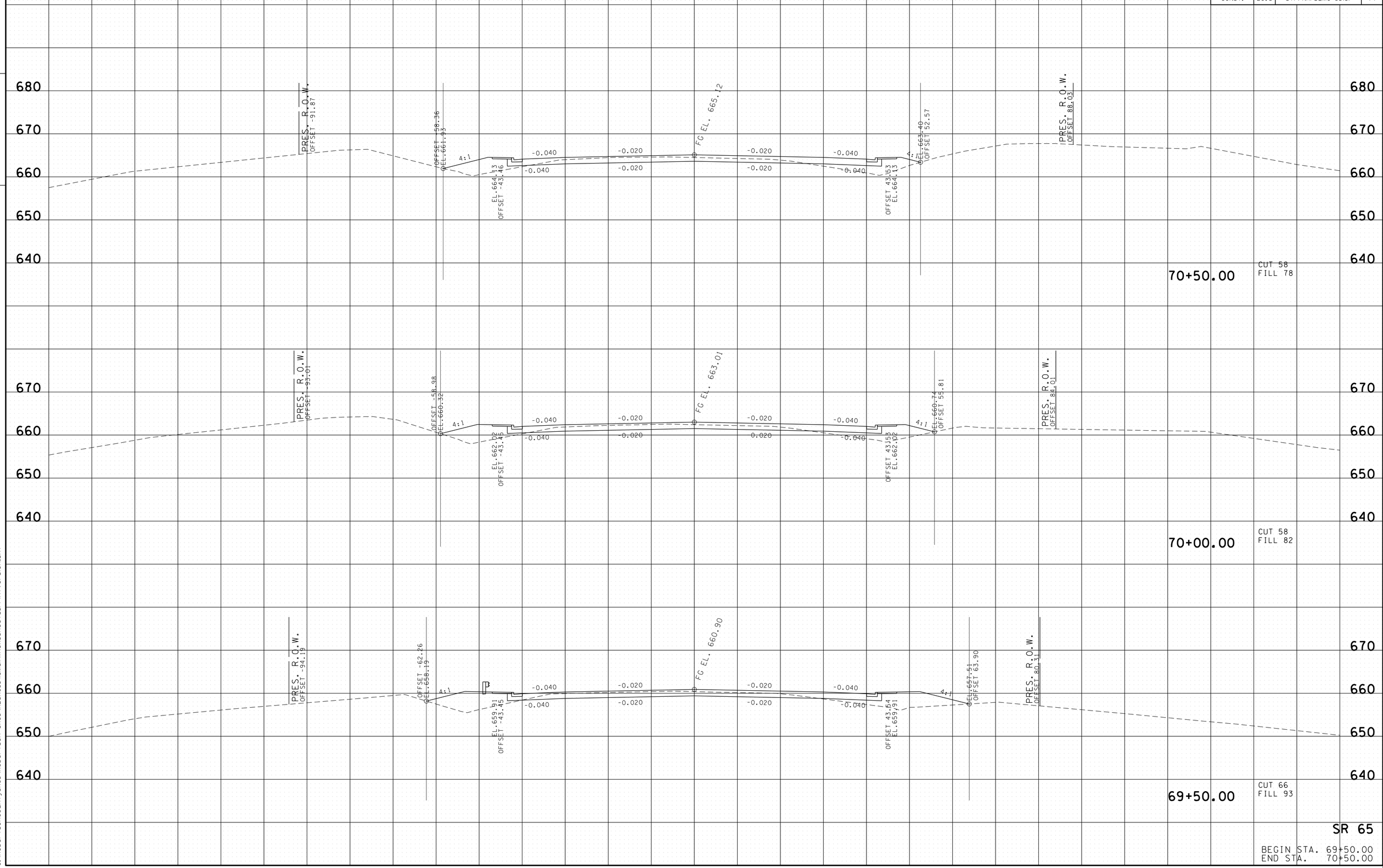
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	81
CONST.	2015	STP/NH/DEMO-65(8)	74

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



SR 65

BEGIN STA. 69+50.00
END STA. 70+50.00

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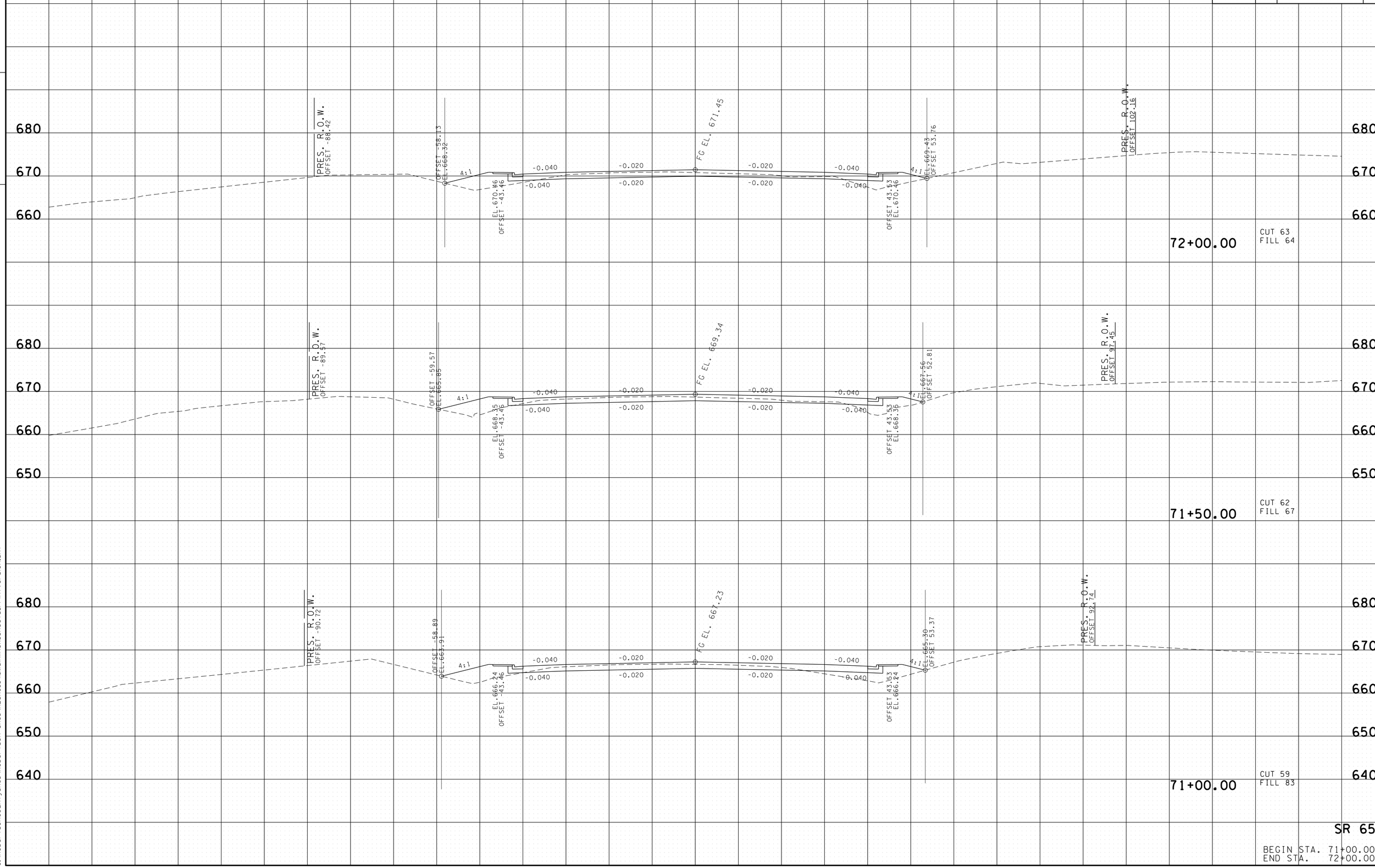
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	82
CONST.	2015	STP/NH/DEMO-65(8)	75

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 71+00.00
END STA. 72+00.00

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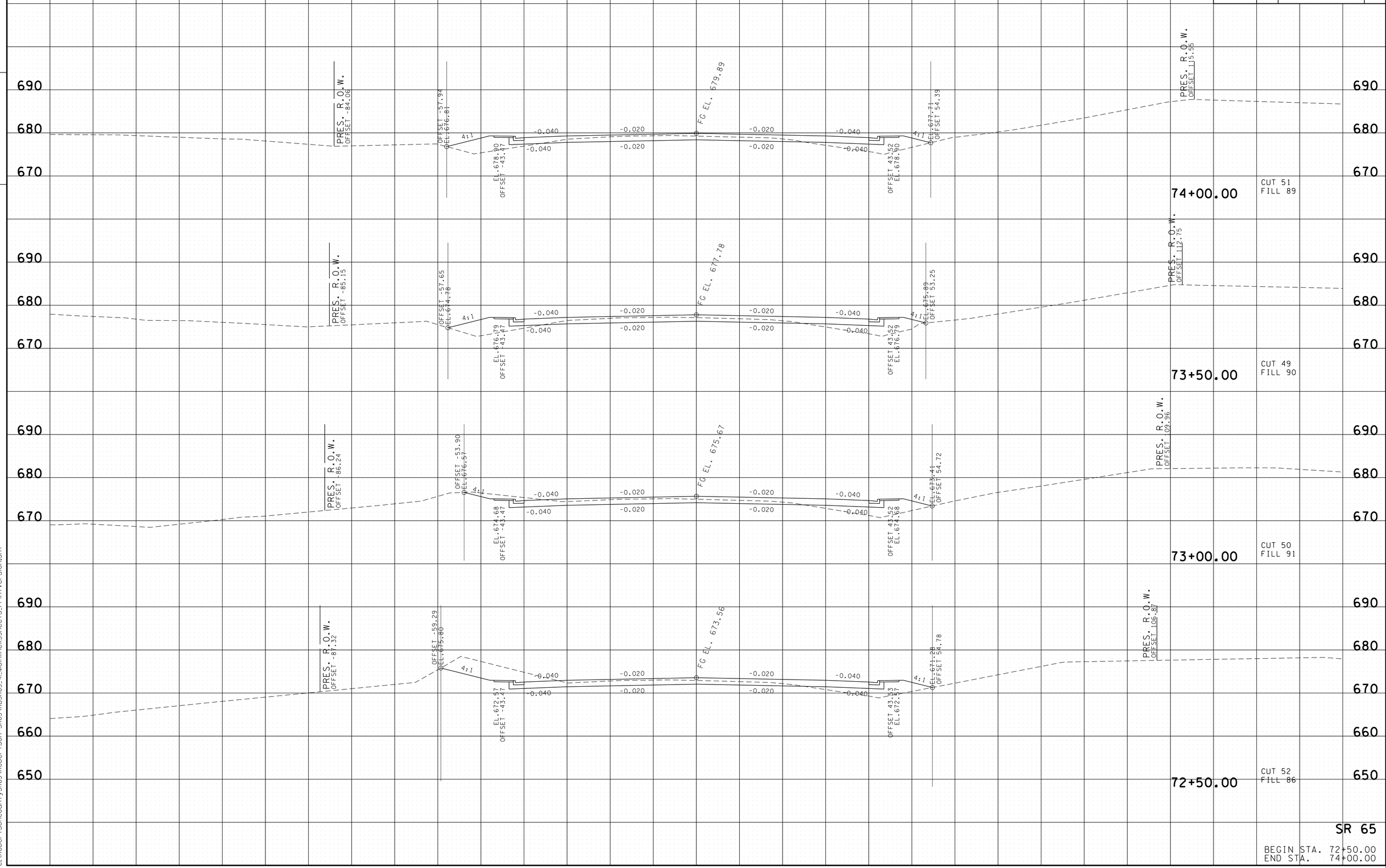
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	83
CONST.	2015	STP/NH/DEMO-65(8)	76

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



SR 65

BEGIN STA. 72+50.00
END STA. 74+00.00

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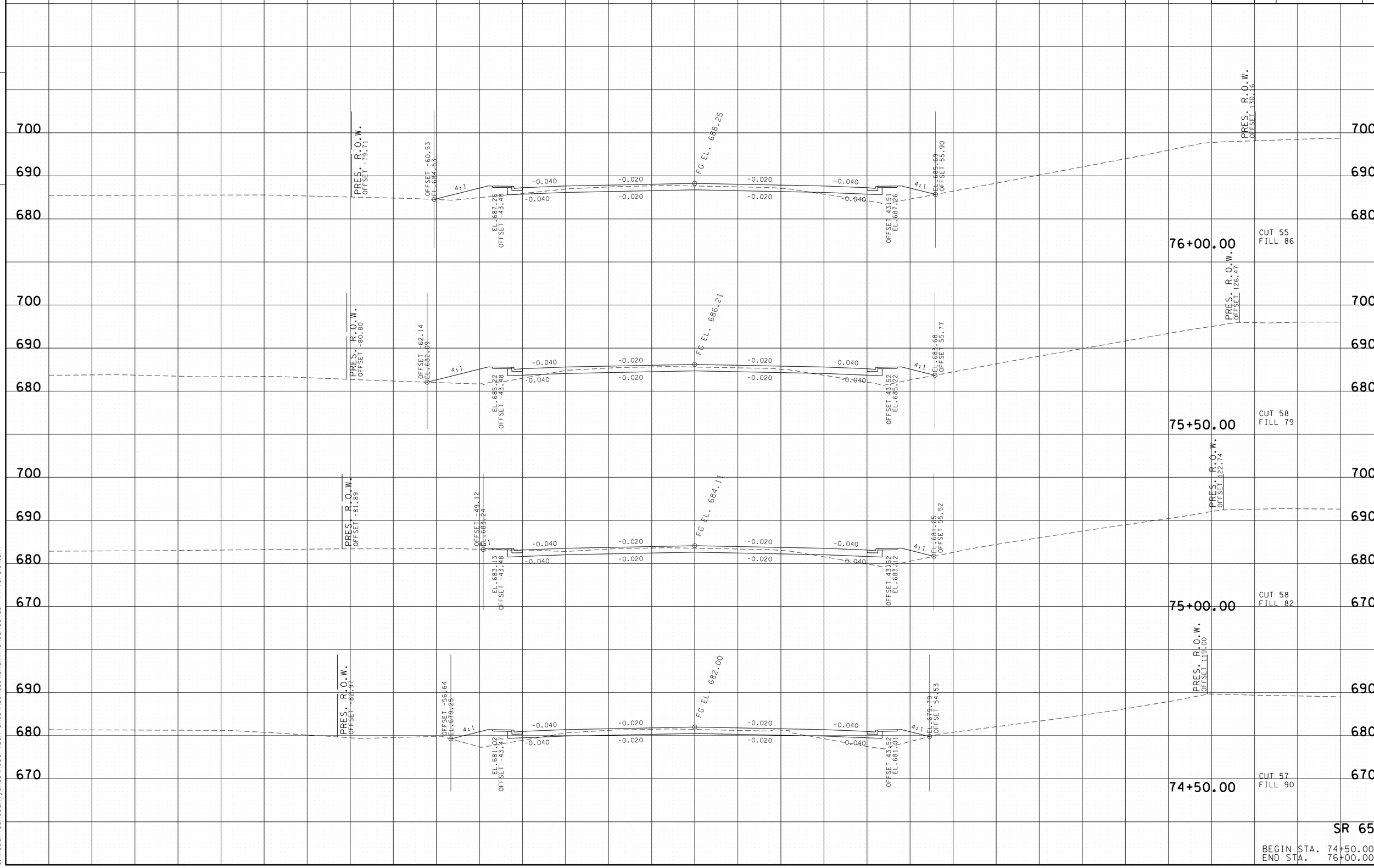
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	84
CONST.	2015	STP/NH/DEMO-65(8)	77

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



SR 65

BEGIN STA. 74+50.00
END STA. 76+00.00

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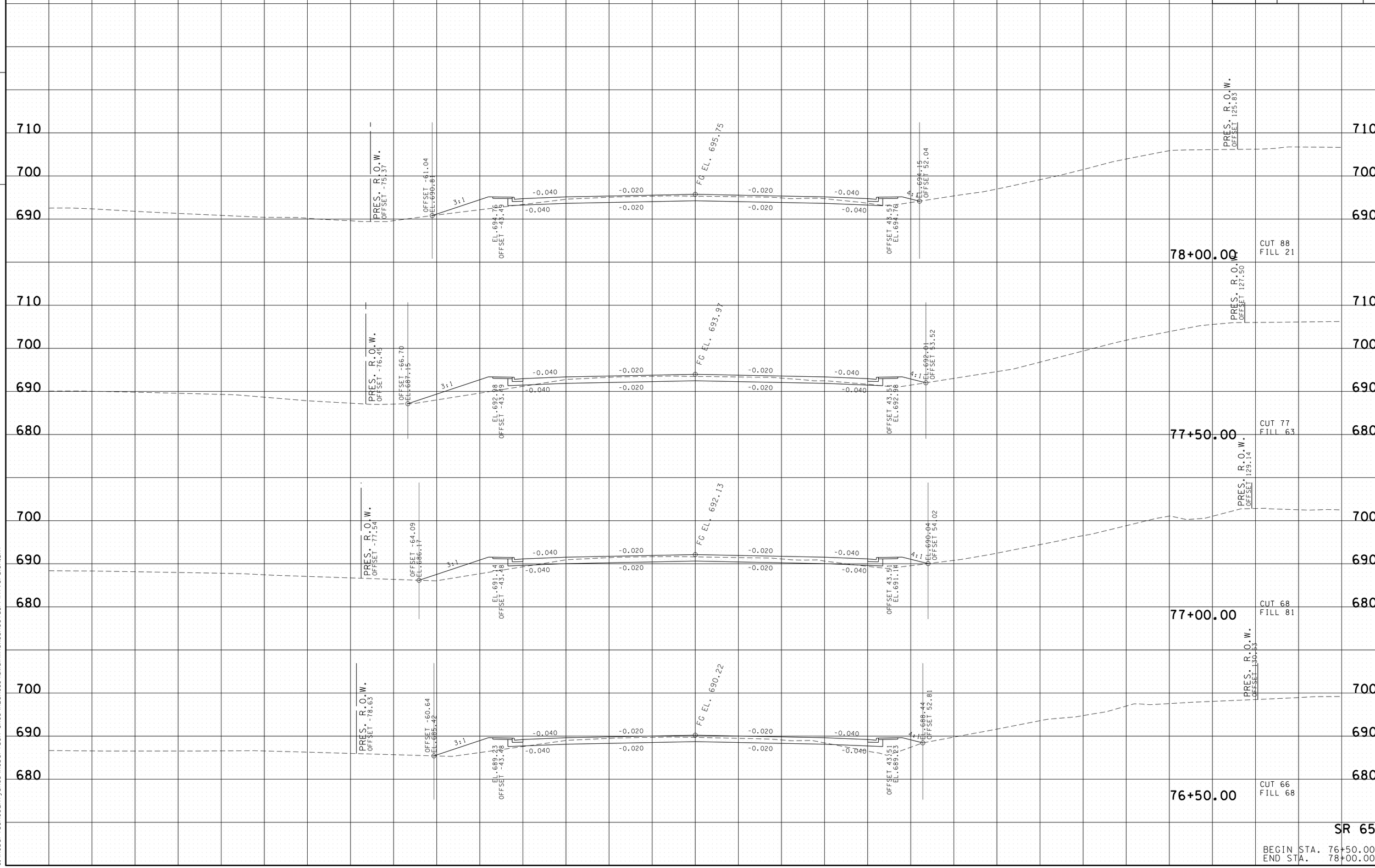
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	85
CONST.	2015	STP/NH/DEMO-65(8)	78

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



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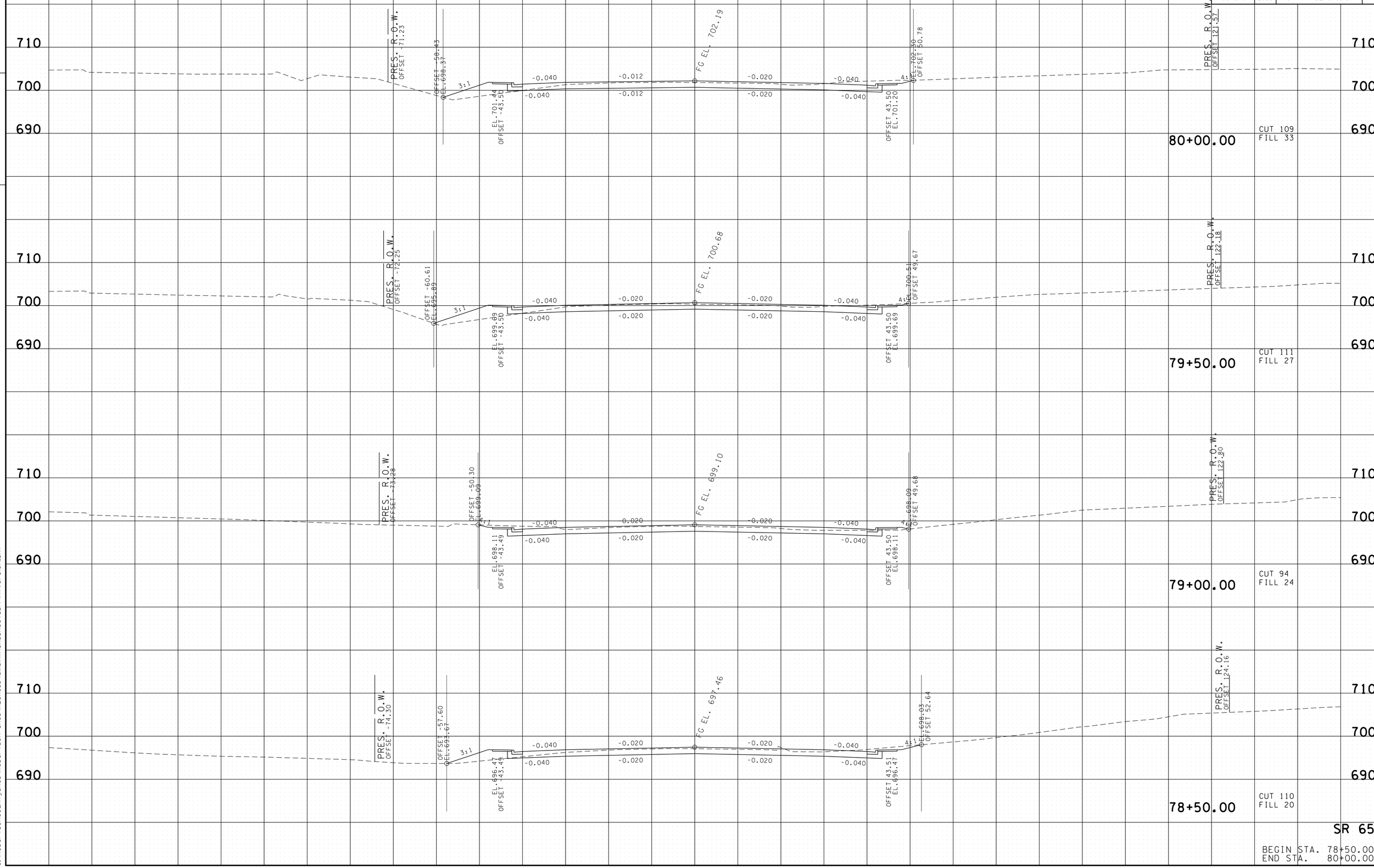
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	86
CONST.	2015	STP/NH/DEMO-65(8)	79

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 65

BEGIN STA. 78+50.00
END STA. 80+00.00

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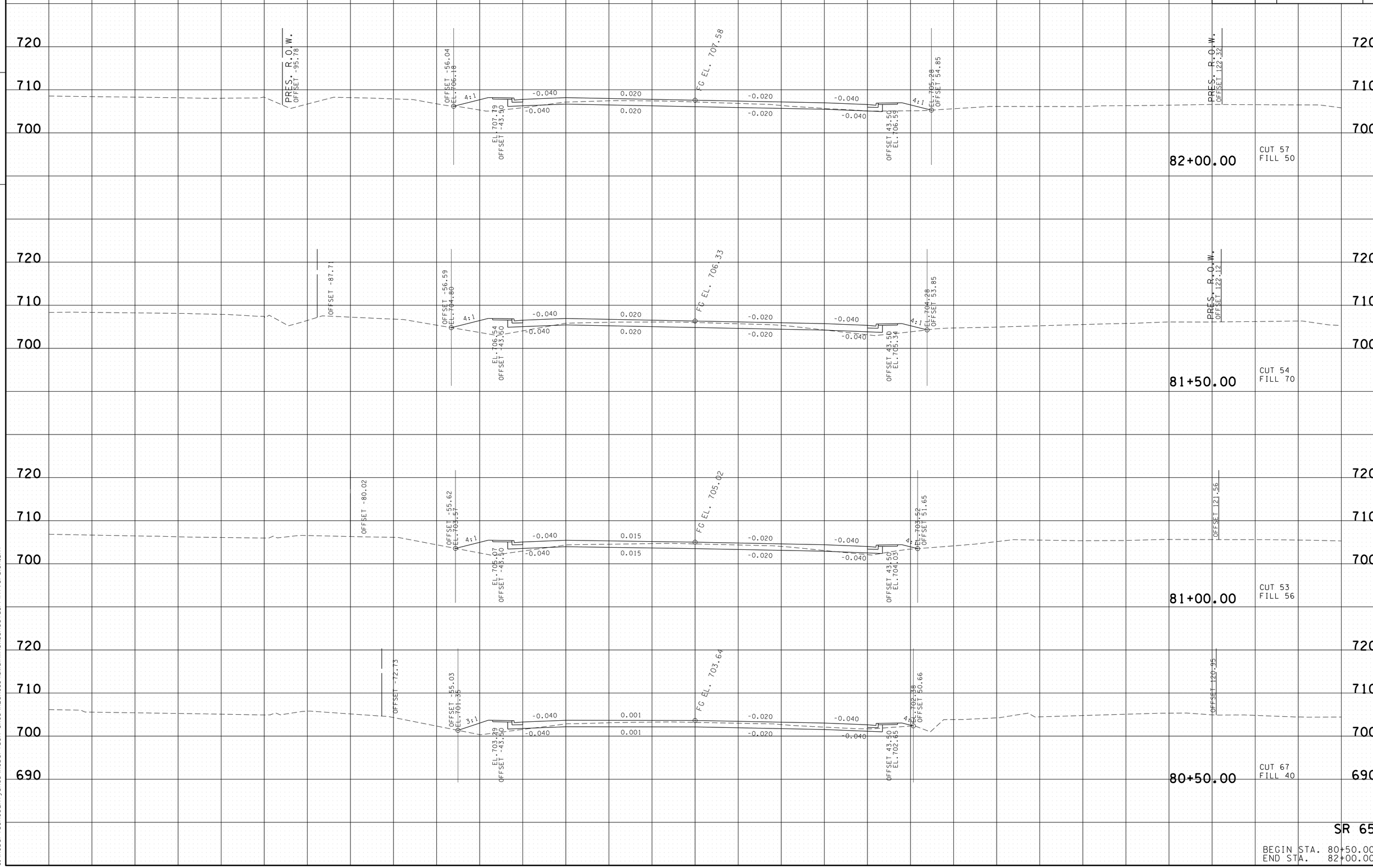
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	87
CONST.	2015	STP/NH/DEMO-65(8)	80

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 80+50.00
END STA. 82+00.00

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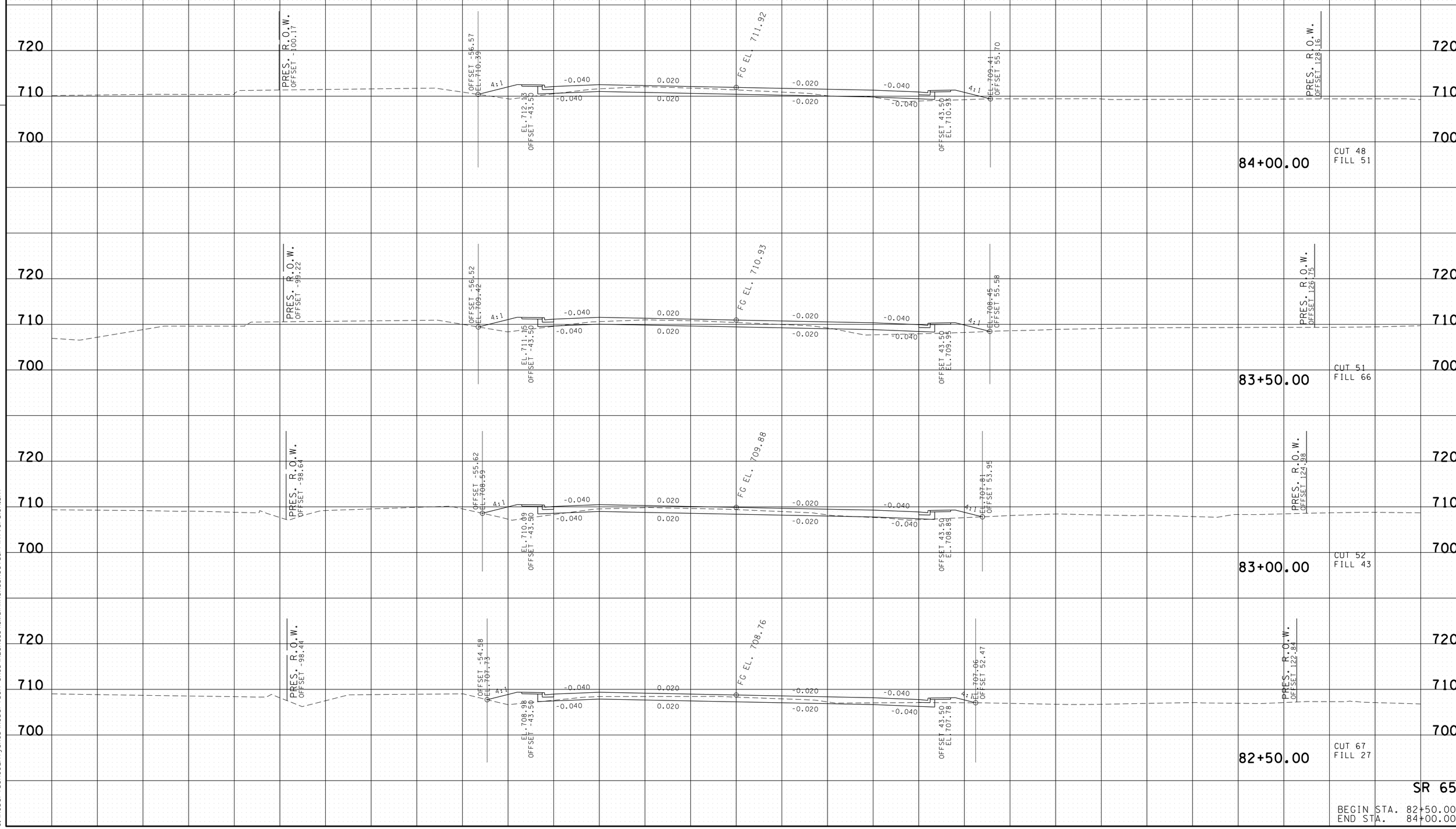
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	88
CONST.	2015	STP/NH/DEMO-65(8)	81

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



SR 65

BEGIN STA. 82+50.00
END STA. 84+00.00

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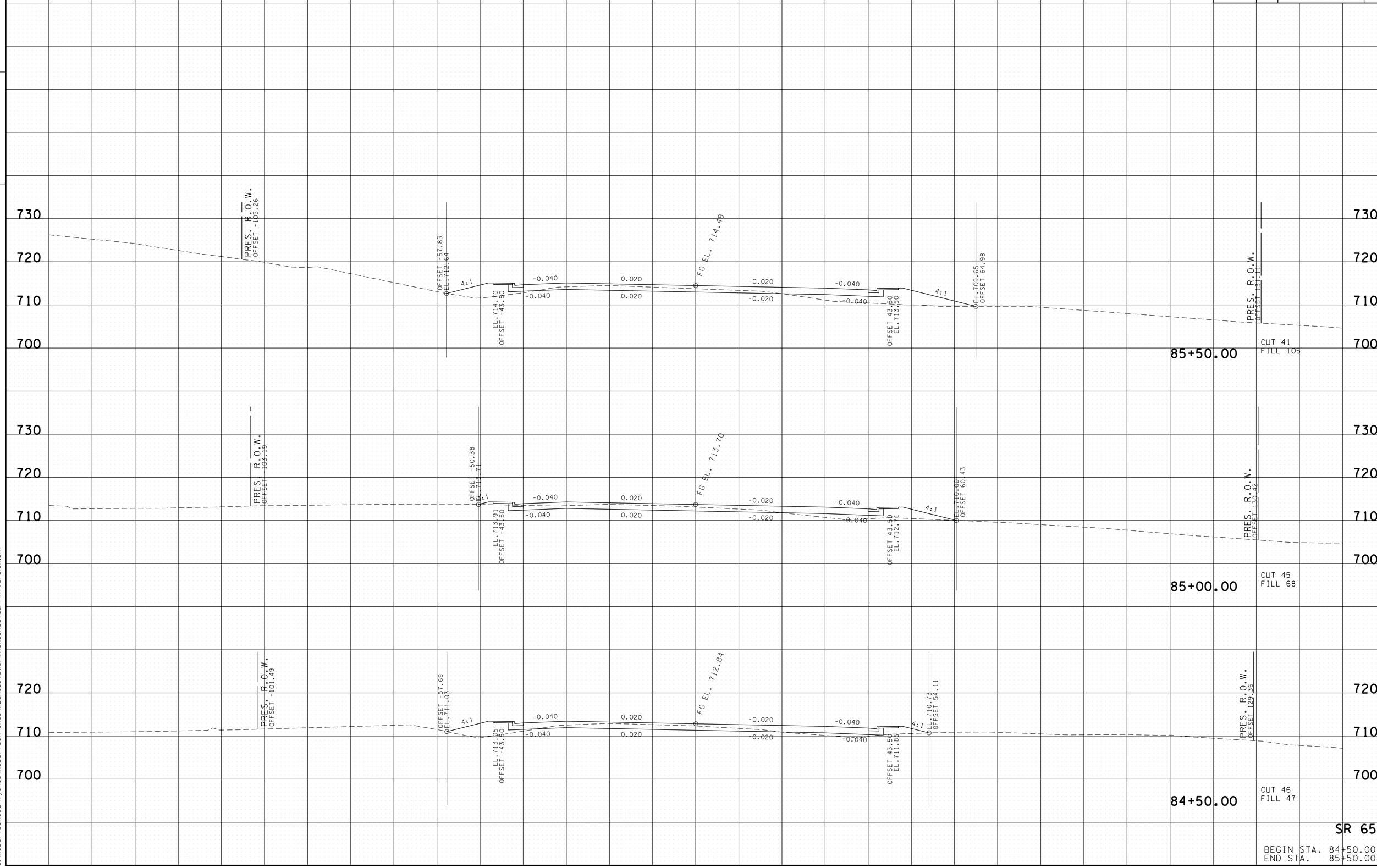
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	89
CONST.	2015	STP/NH/DEMO-65(8)	82

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 84+50.00
END STA. 85+50.00

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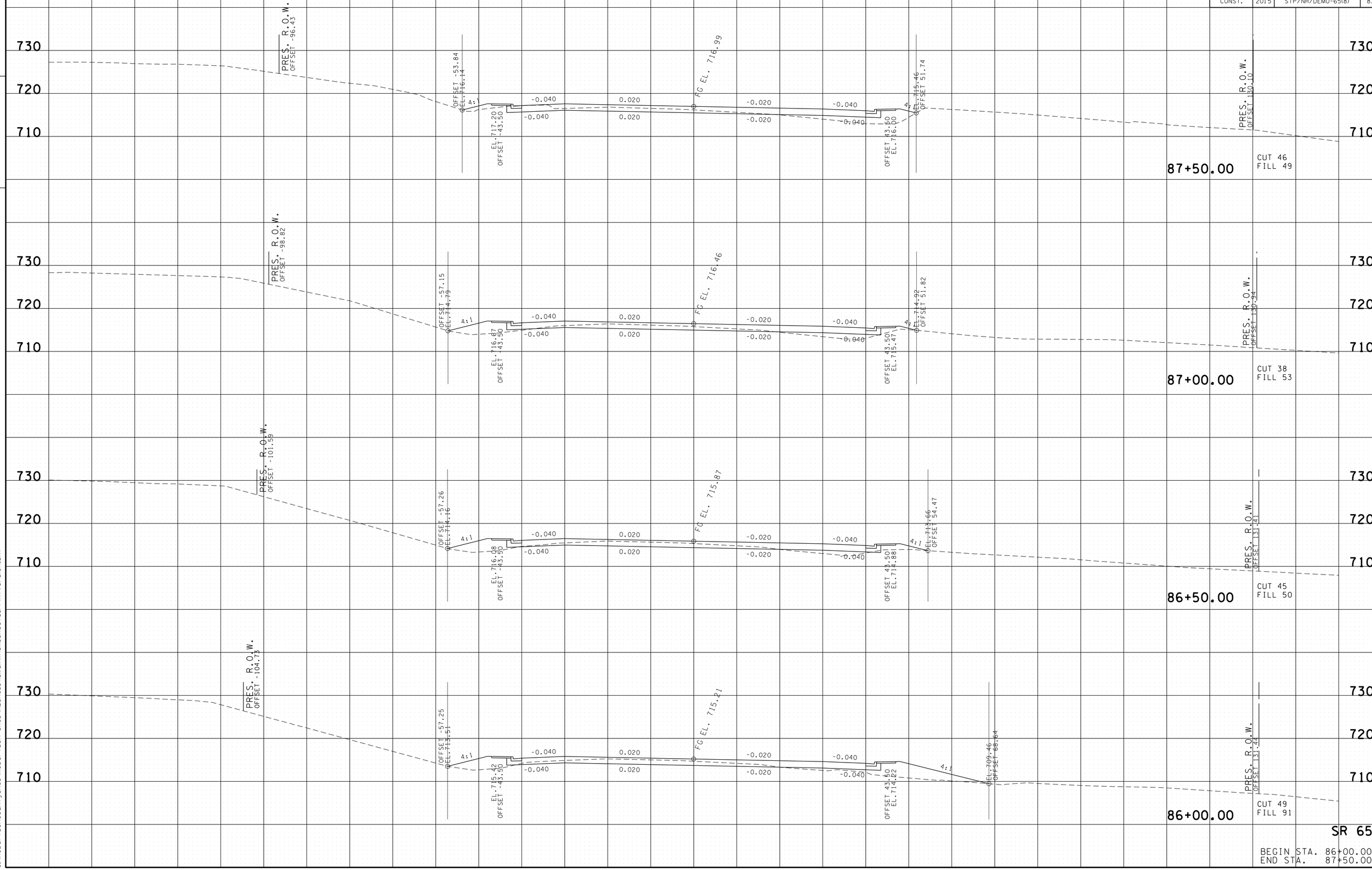
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	90
CONST.	2015	STP/NH/DEMO-65(8)	83

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



SR 65

BEGIN STA. 86+00.00
END STA. 87+50.00

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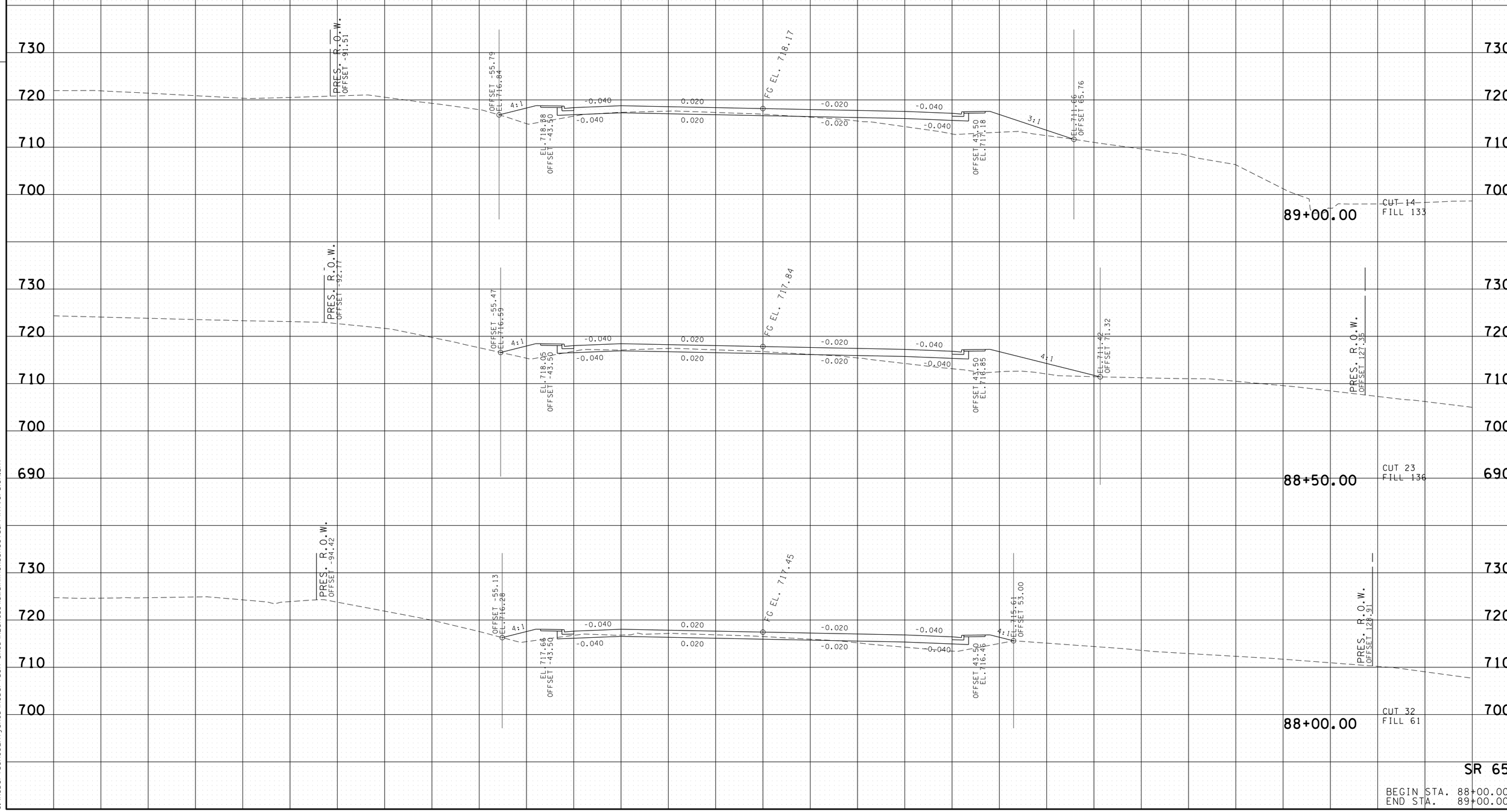
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	91
CONST.	2015	STP/NH/DEMO-65(8)	84

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 88+00.00
END STA. 89+00.00

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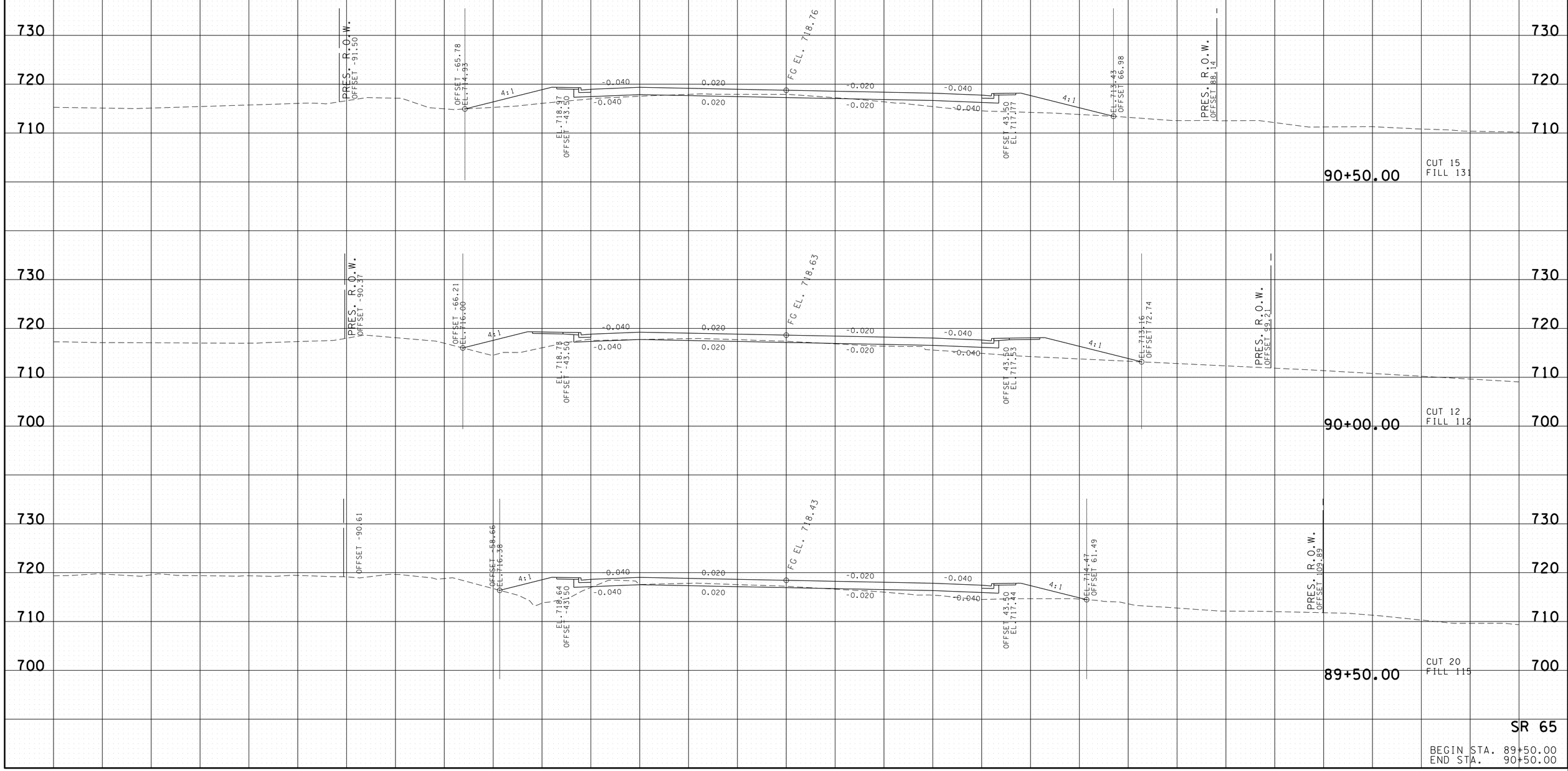
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	92
CONST.	2015	STP/NH/DEMO-65(8)	85

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 89+50.00
END STA. 90+50.00

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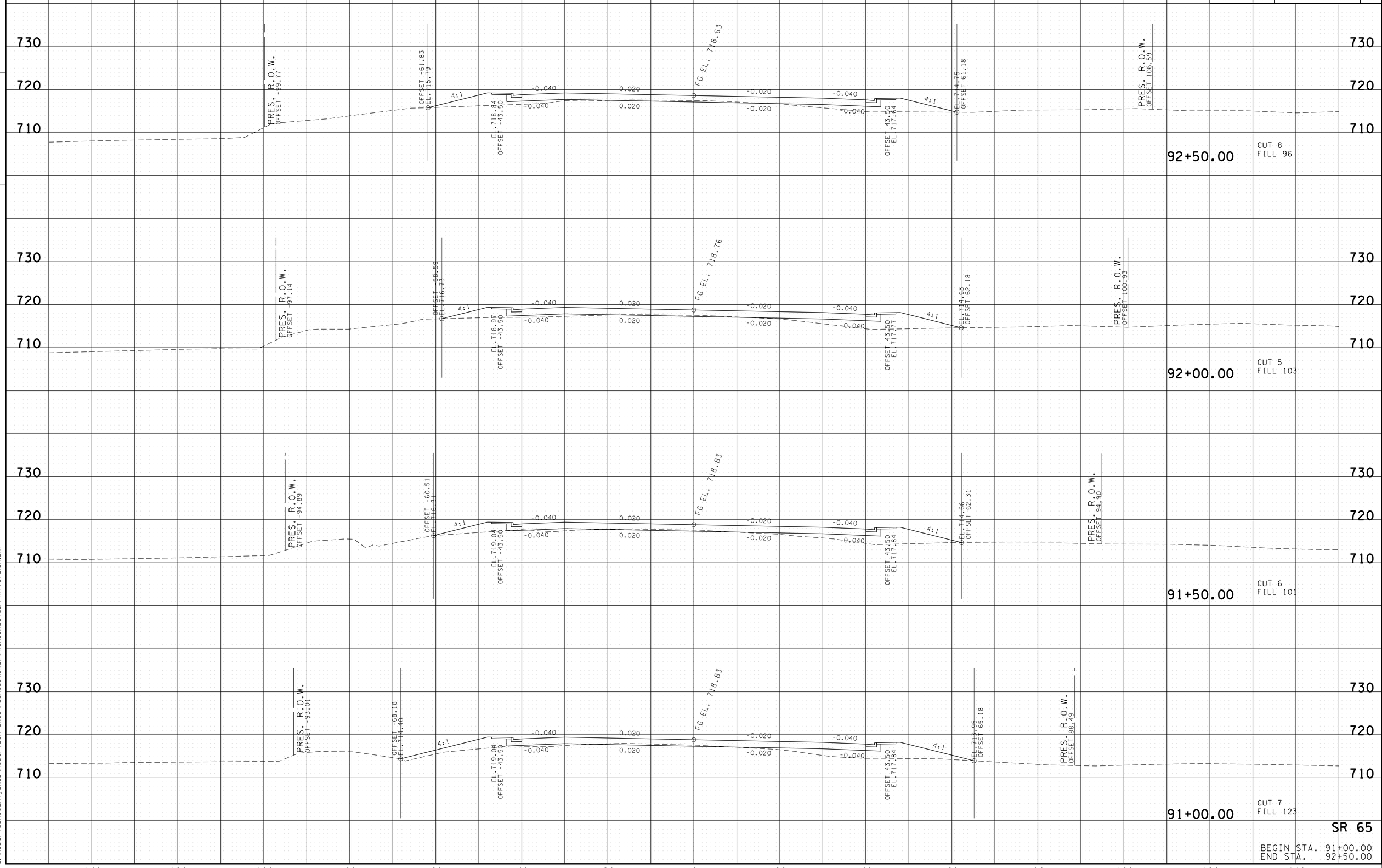
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	93
CONST.	2015	STP/NH/DEMO-65(8)	86

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



SR 65

BEGIN STA. 91+00.00
END STA. 92+50.00

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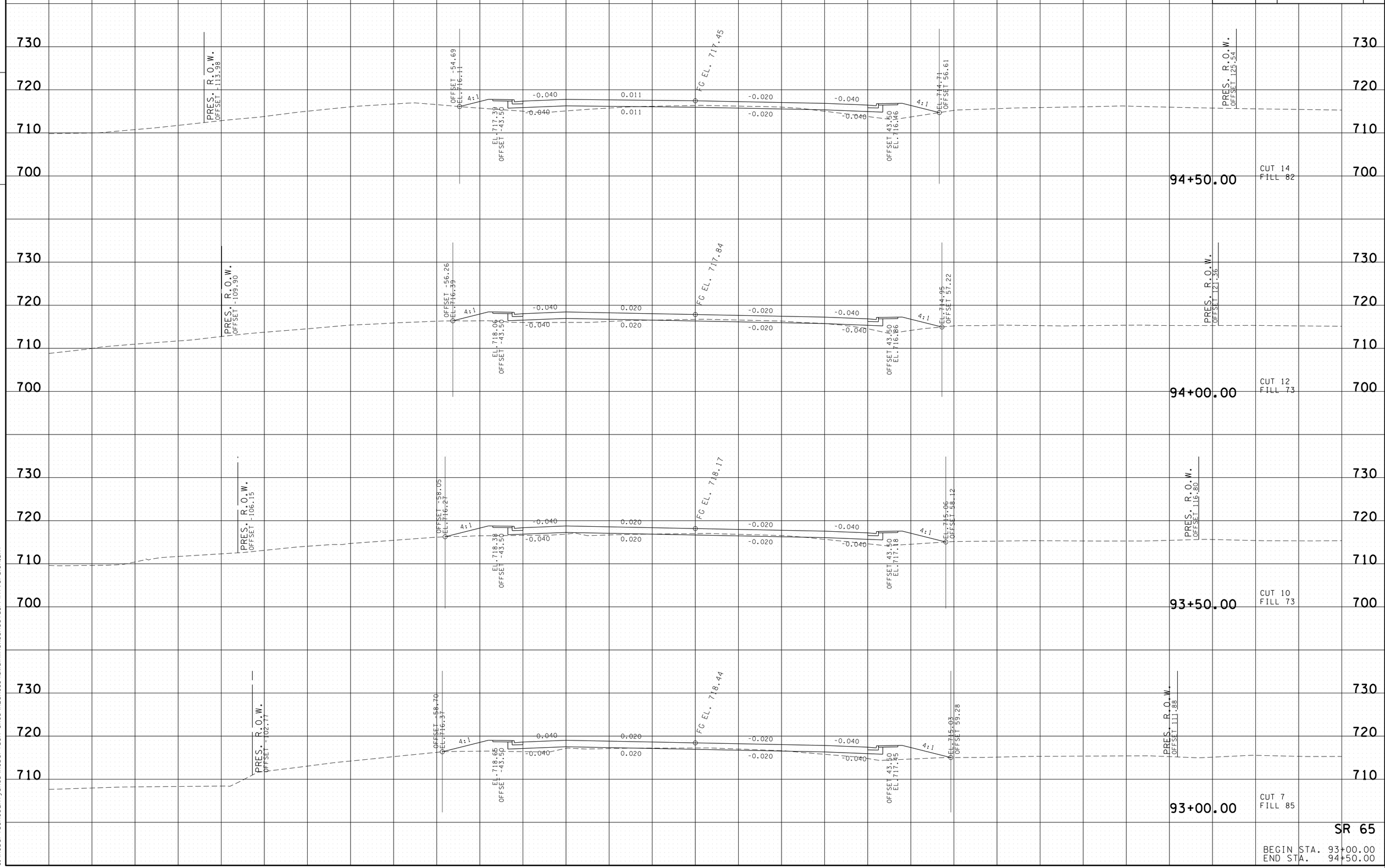
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	94
CONST.	2015	STP/NH/DEMO-65(8)	87

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 93+00.00
END STA. 94+50.00

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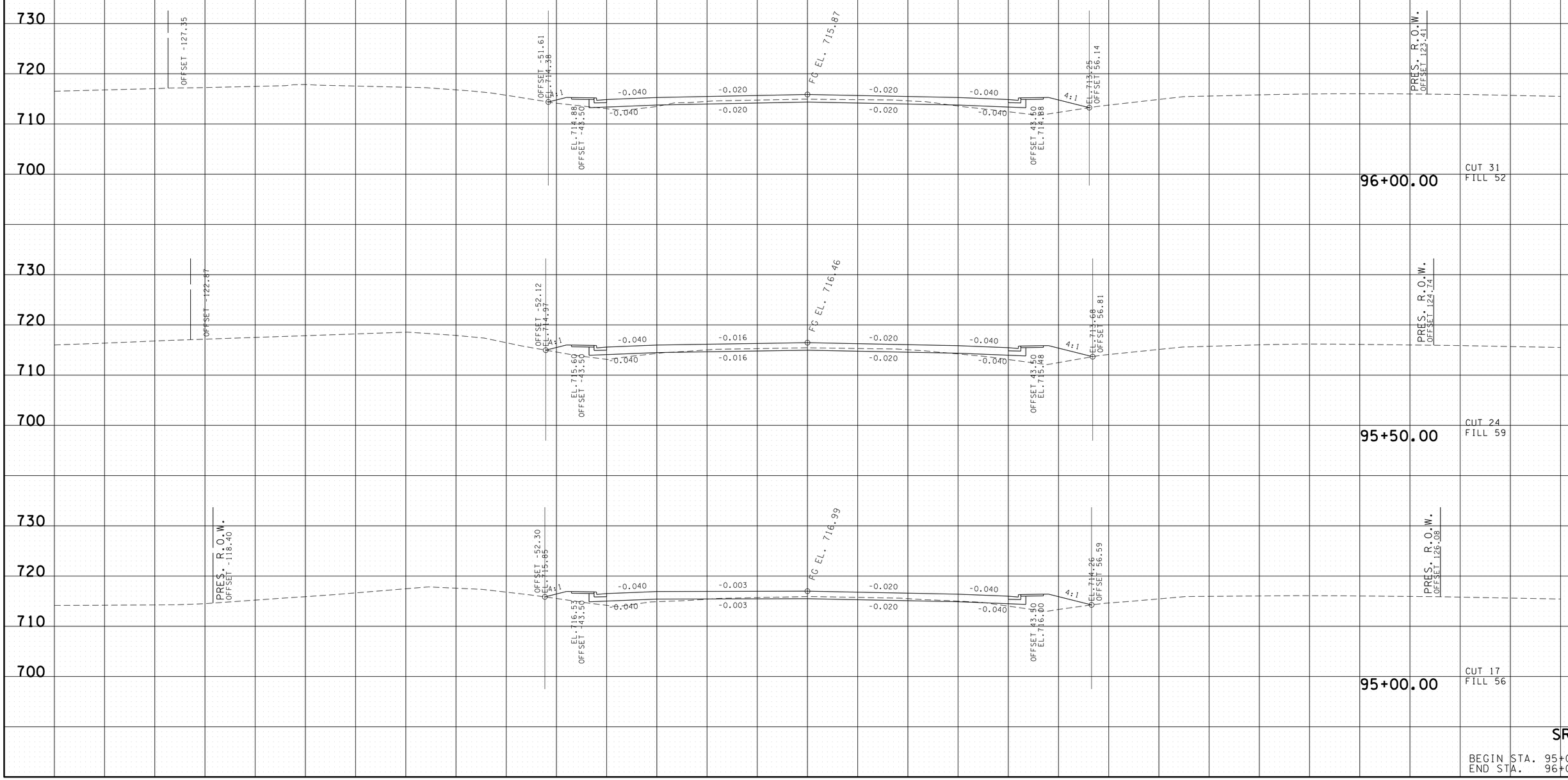
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	95
CONST.	2015	STP/NH/DEMO-65(8)	88

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 65

BEGIN STA. 95+00.00
END STA. 96+00.00

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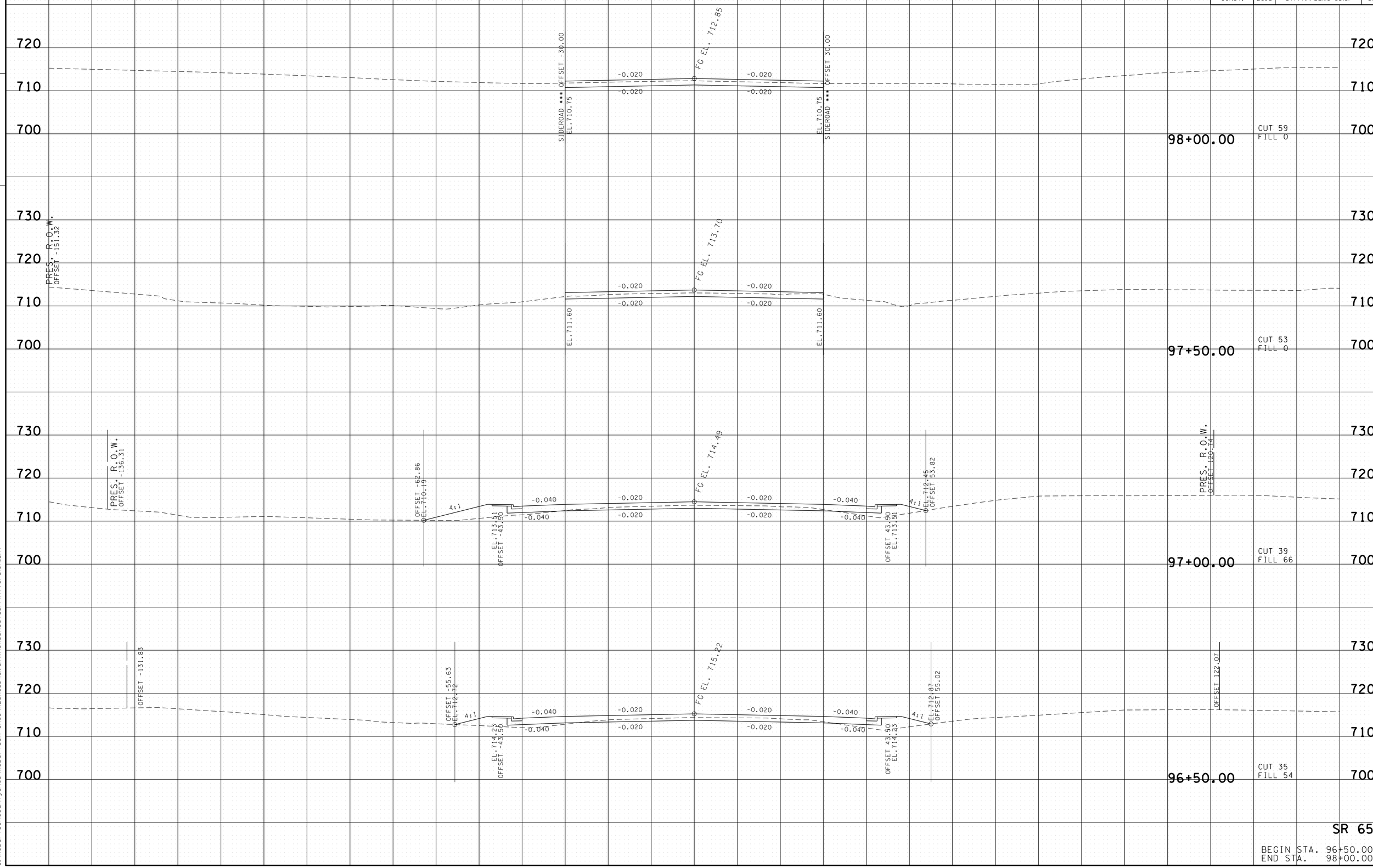
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	96
CONST.	2015	STP/NH/DEMO-65(8)	89

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



SR 65

BEGIN STA. 96+50.00
END STA. 98+00.00

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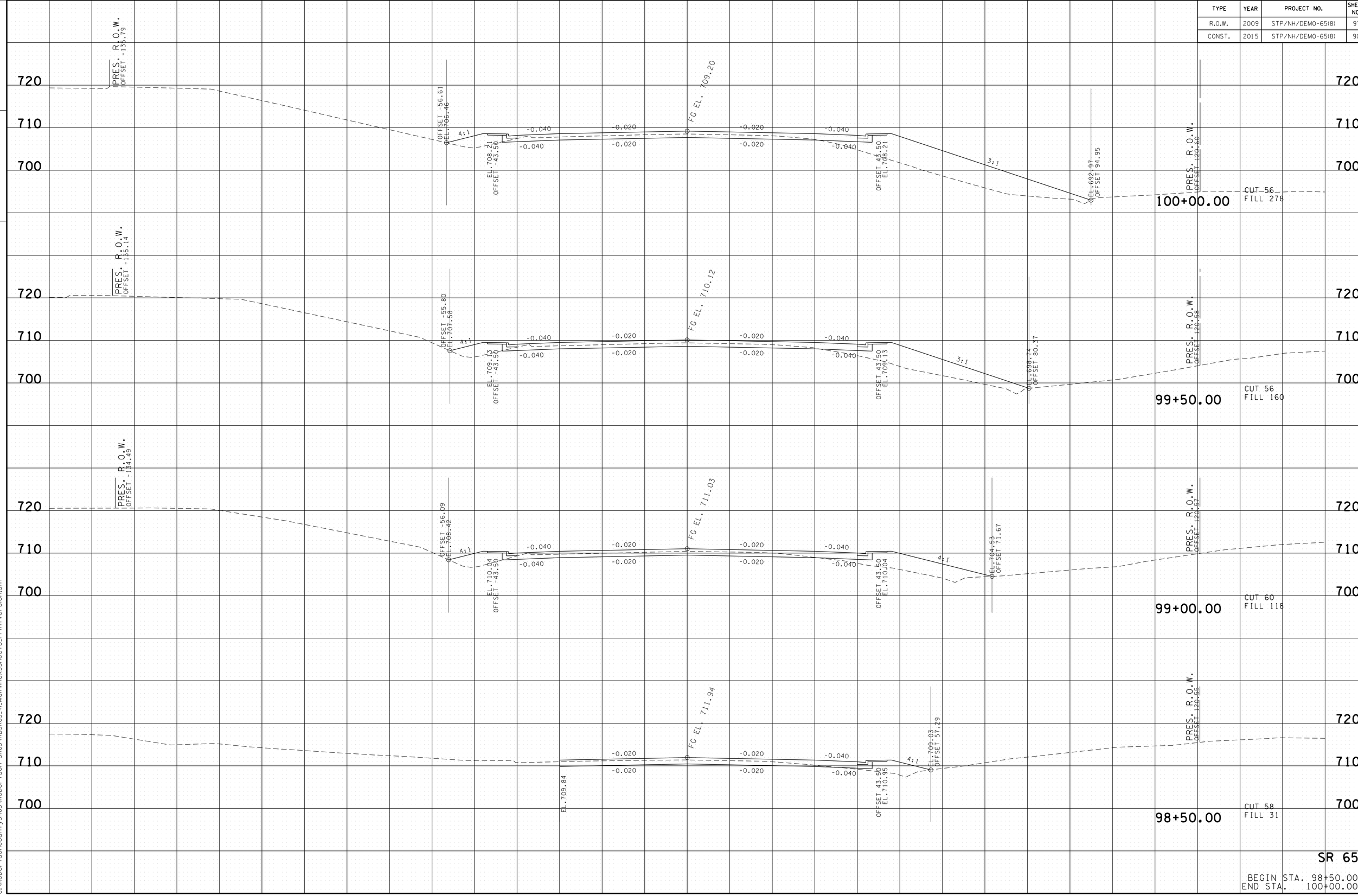
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	97
CONST.	2015	STP/NH/DEMO-65(8)	90

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



SR 65

BEGIN STA. 98+50.00
END STA. 100+00.00

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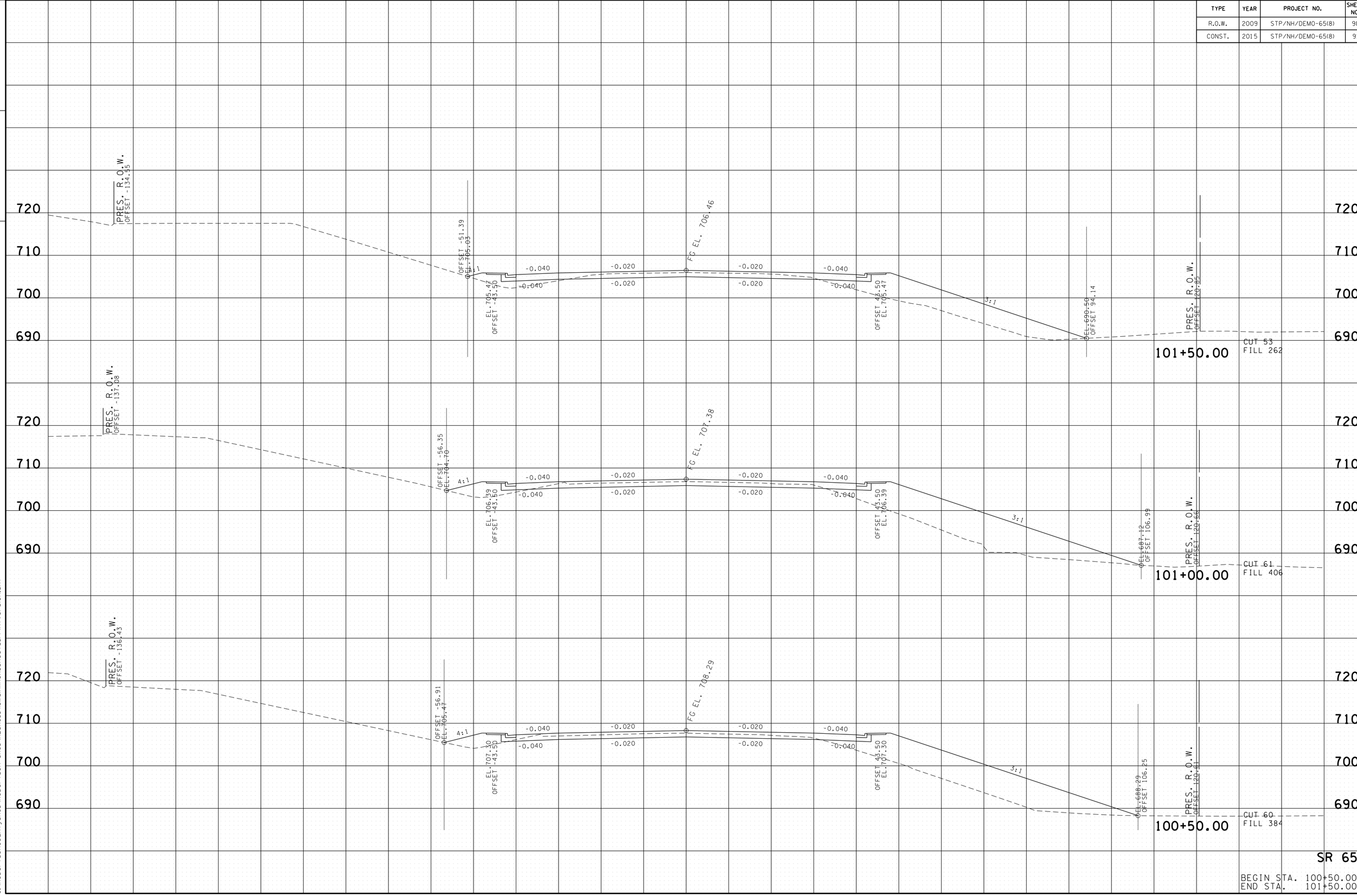
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	98
CONST.	2015	STP/NH/DEMO-65(8)	91

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



SR 65

BEGIN STA. 100+50.00
END STA. 101+50.00

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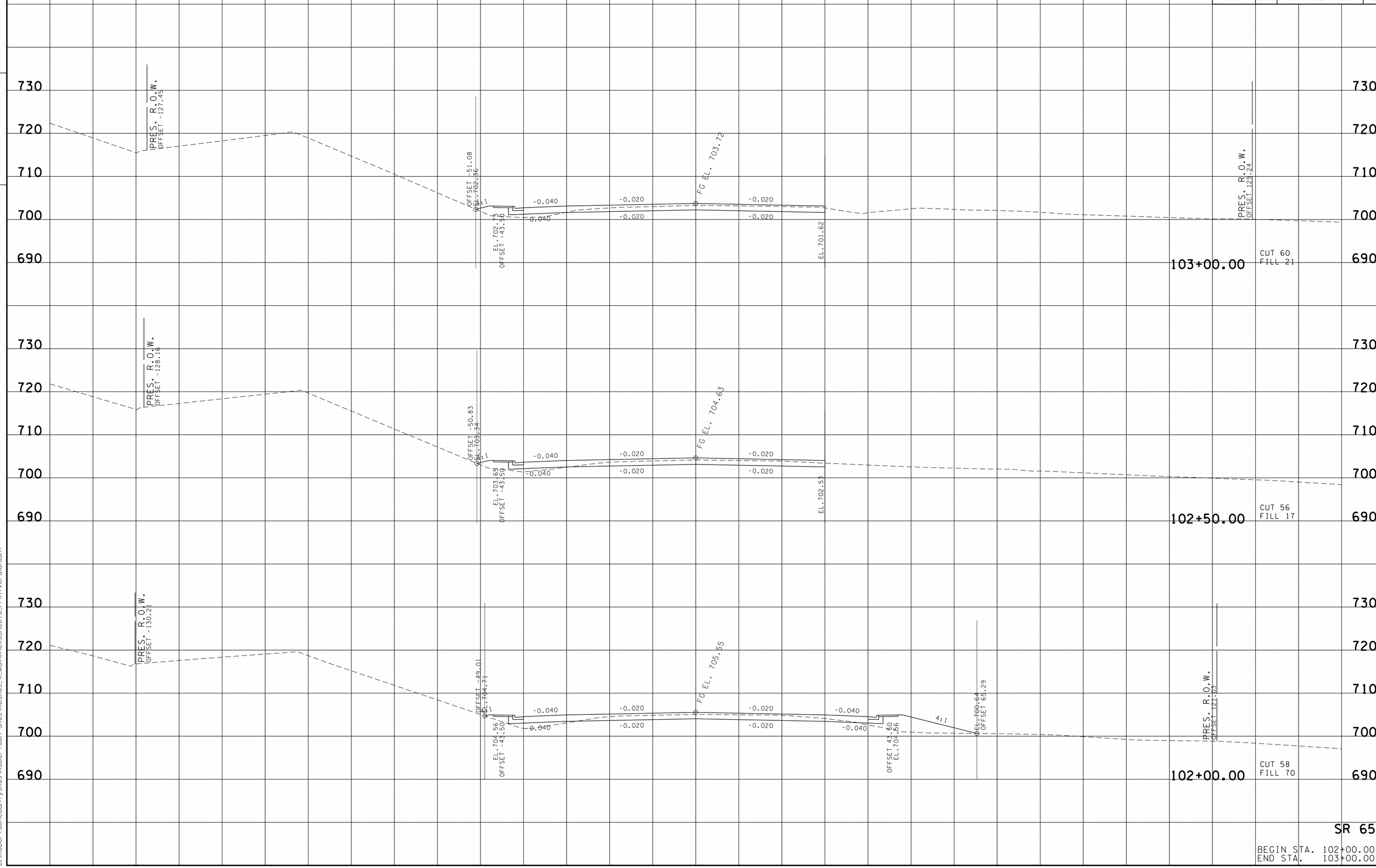
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	99
CONST.	2015	STP/NH/DEMO-65(8)	92

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



SR 65

BEGIN STA. 102+00.00
END STA. 103+00.00

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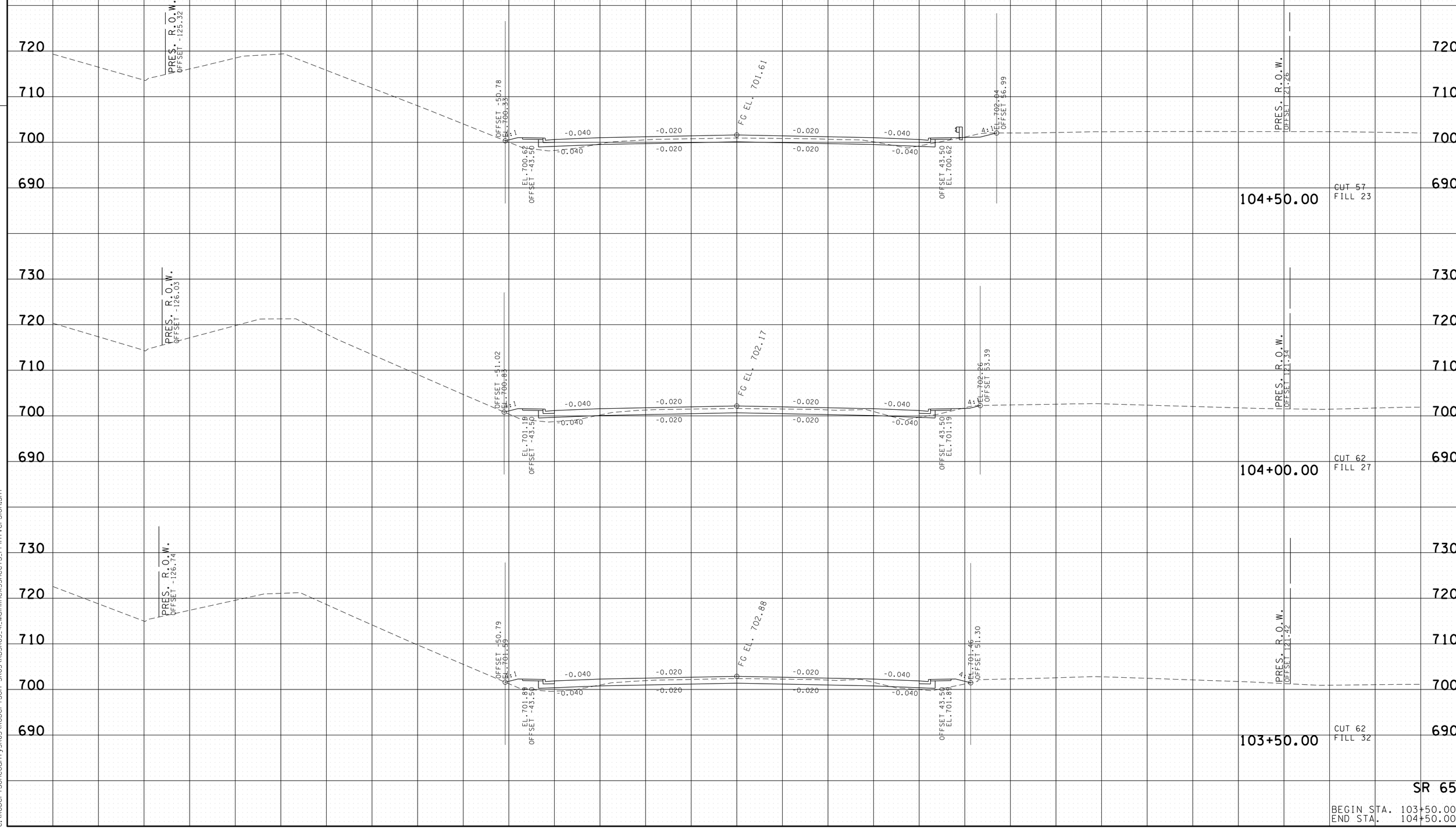
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	100
CONST.	2015	STP/NH/DEMO-65(8)	93

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 103+50.00
END STA. 104+50.00

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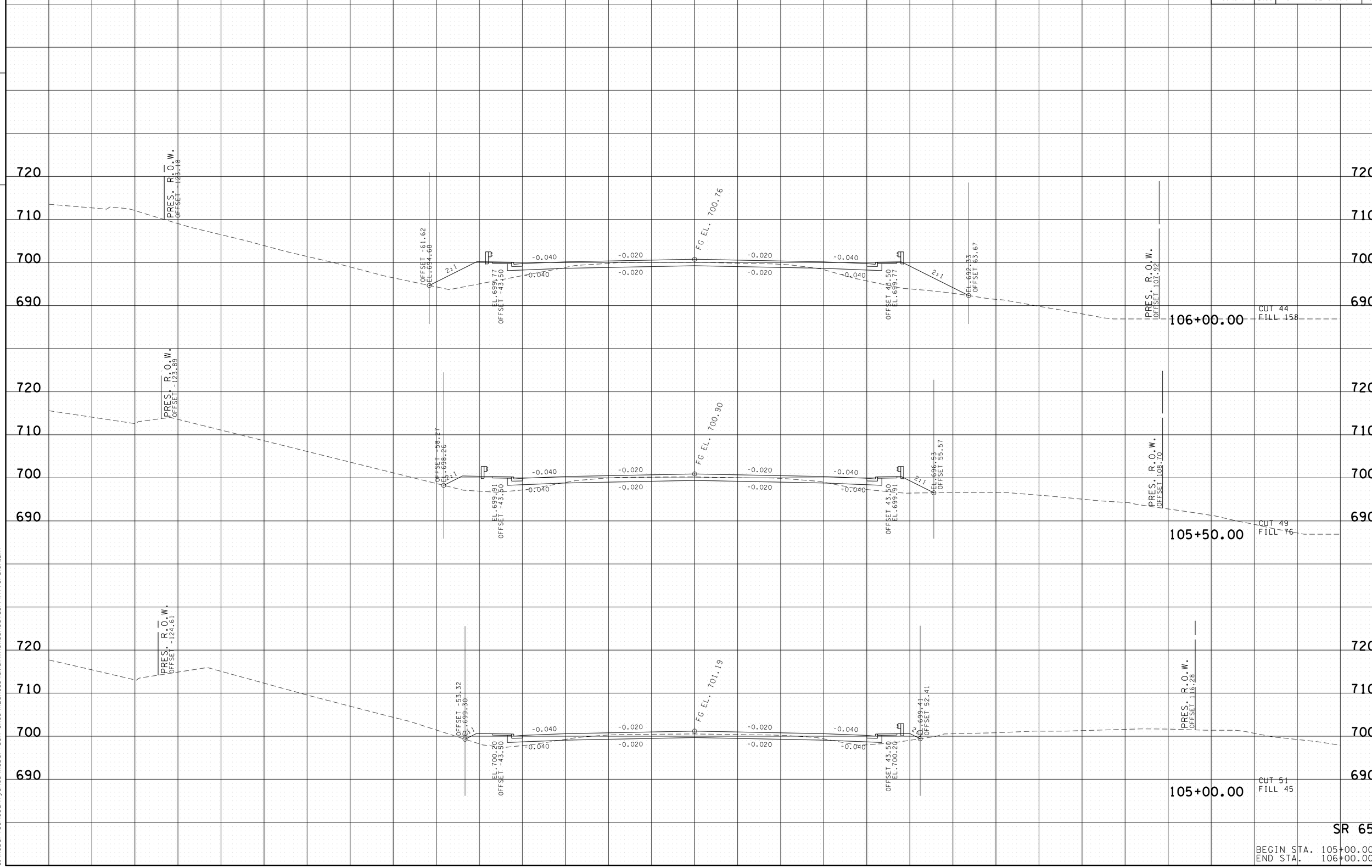
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	101
CONST.	2015	STP/NH/DEMO-65(8)	94

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 105+00.00
END STA. 106+00.00

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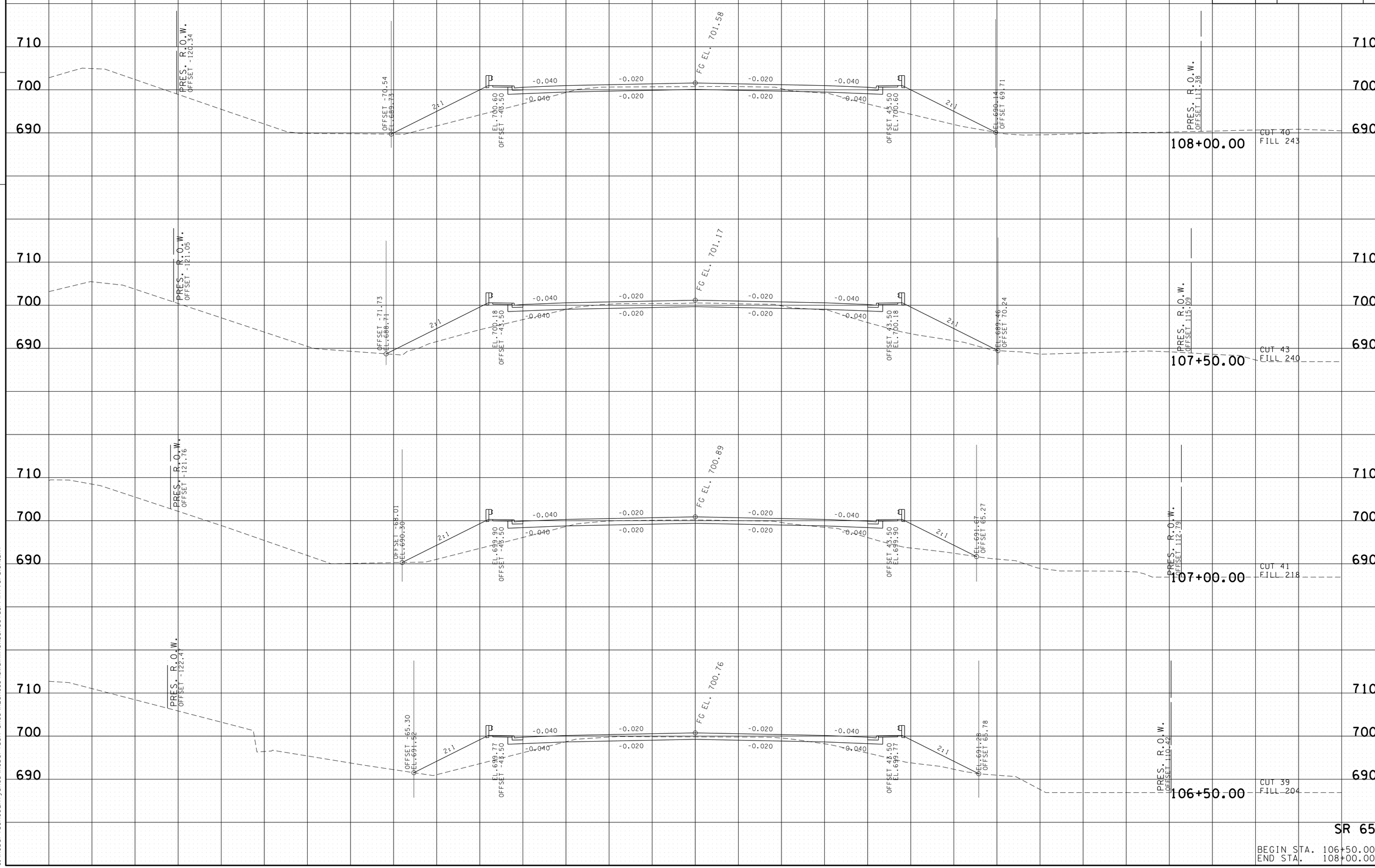
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	102
CONST.	2015	STP/NH/DEMO-65(8)	95

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



SR 65

BEGIN STA. 106+50.00
END STA. 108+00.00

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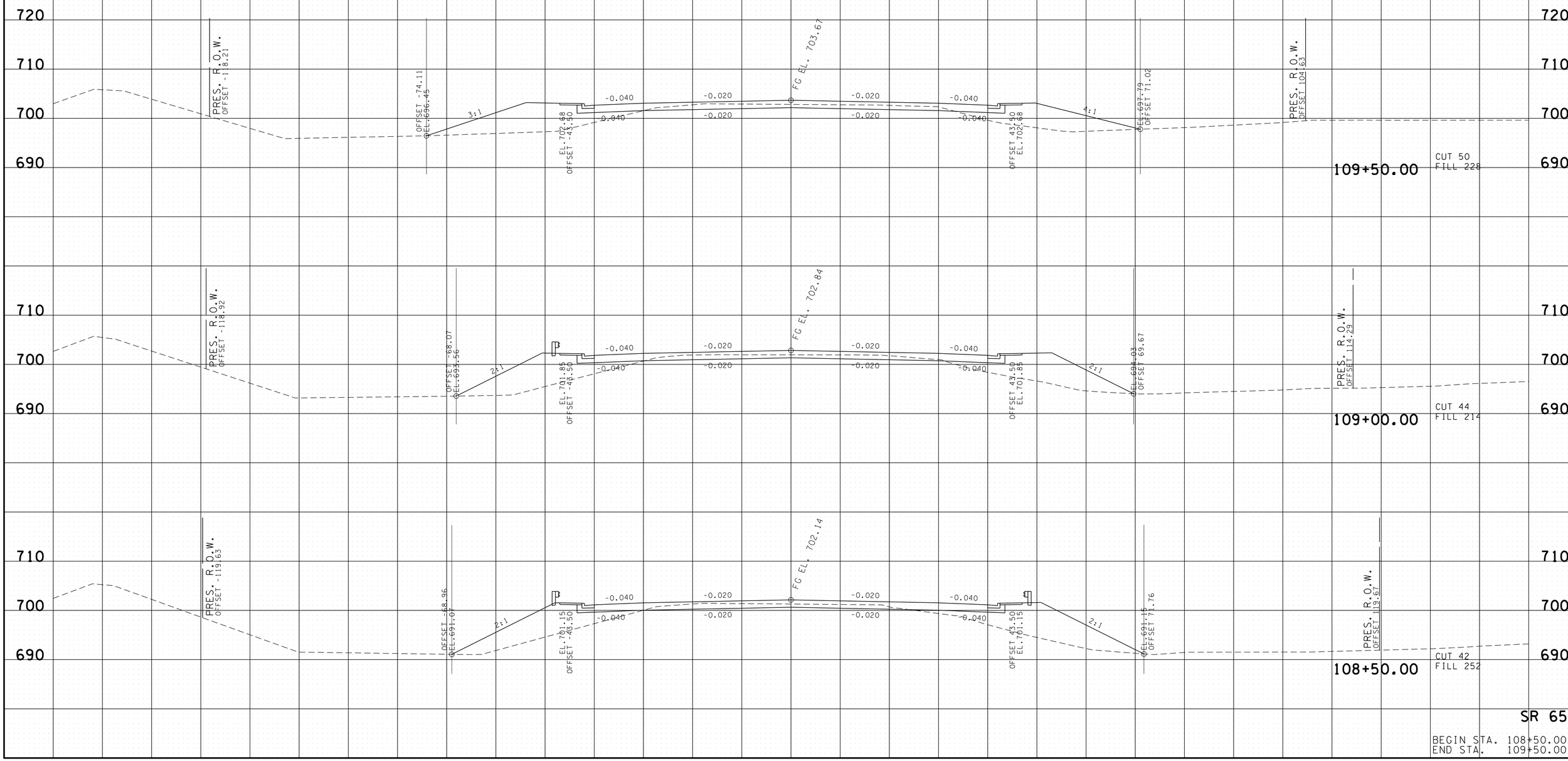
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	103
CONST.	2015	STP/NH/DEMO-65(8)	96

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 108+50.00
END STA. 109+50.00

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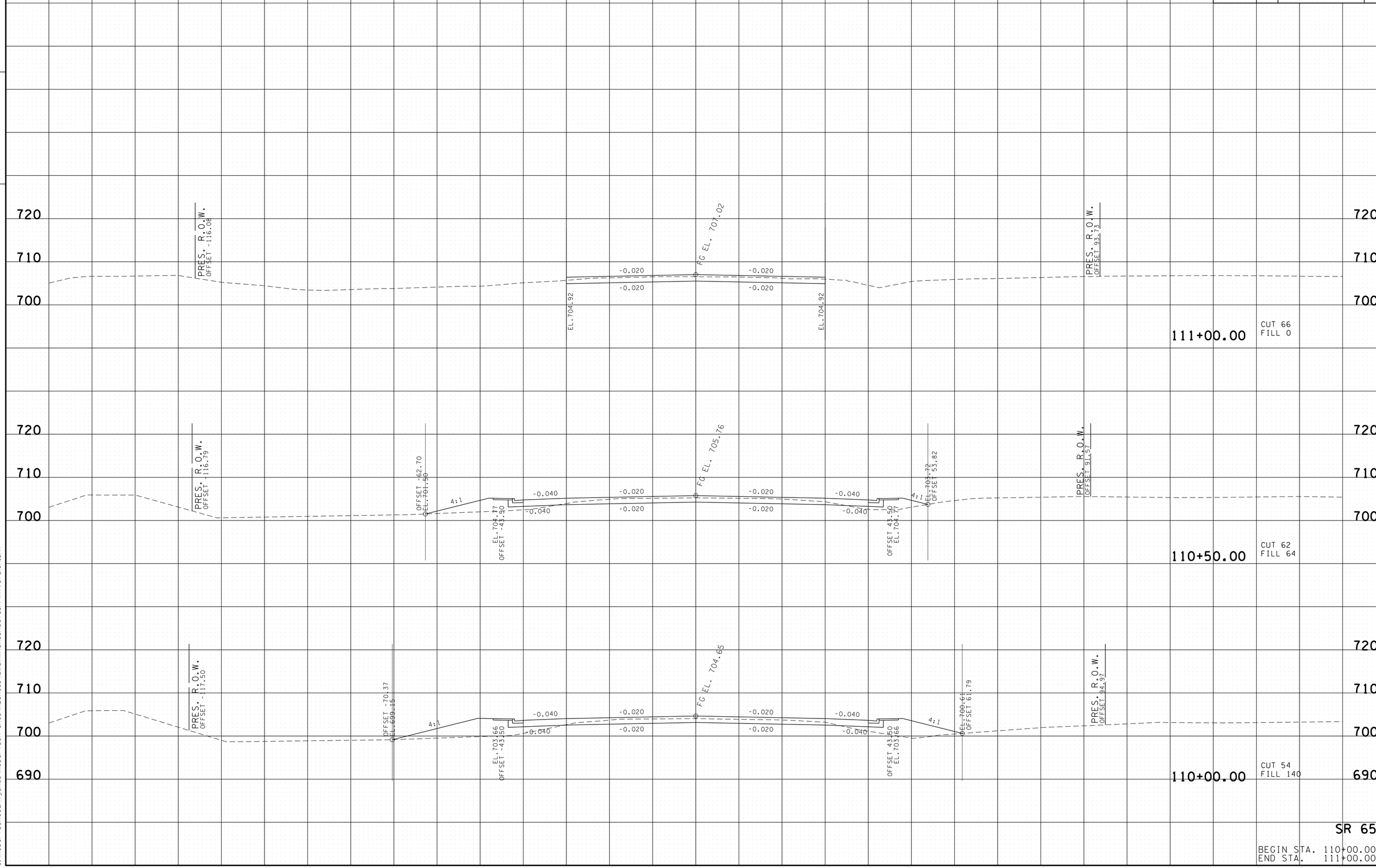
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	104
CONST.	2015	STP/NH/DEMO-65(8)	97

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 110+00.00
END STA. 111+00.00

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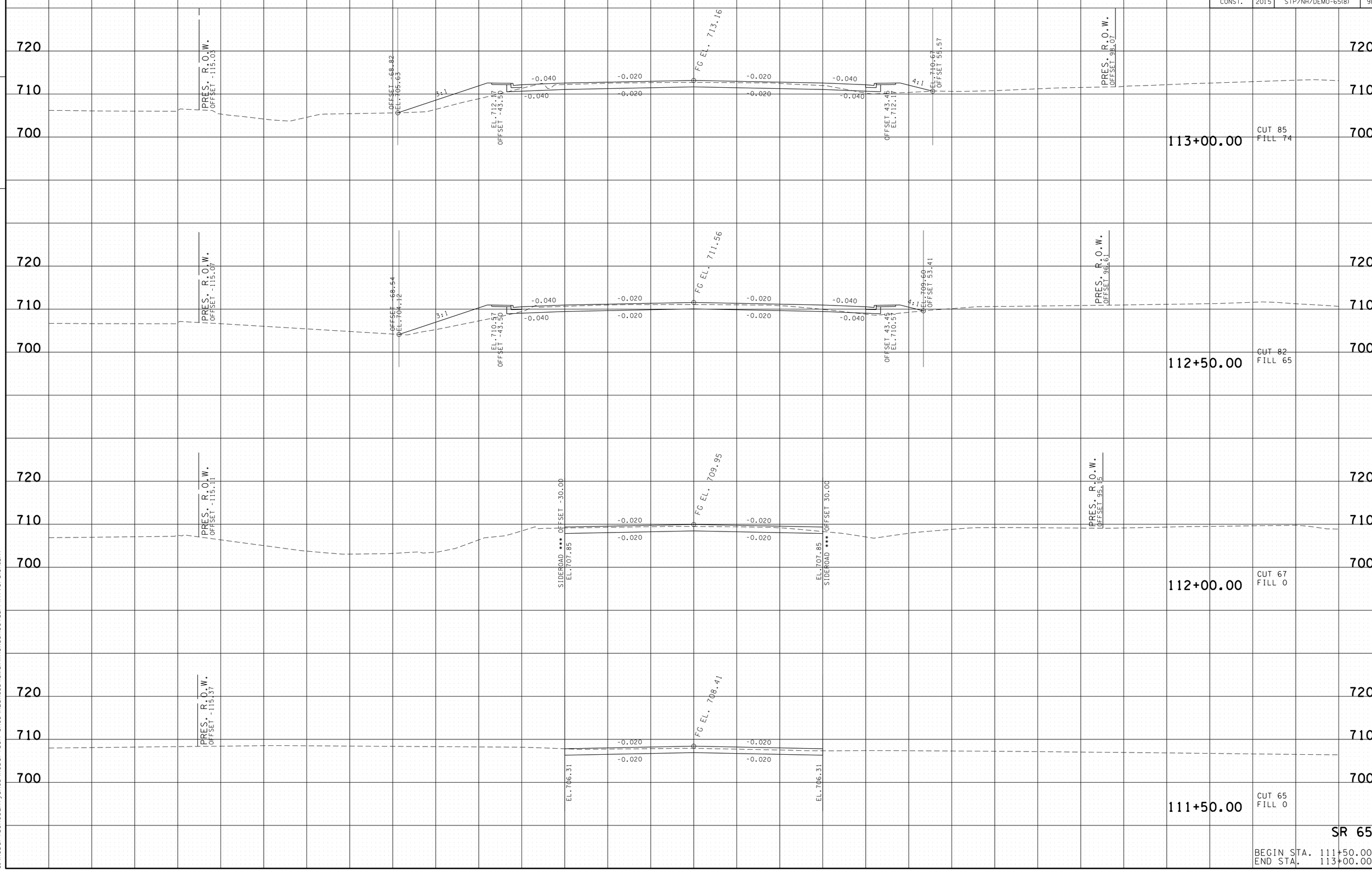
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	105
CONST.	2015	STP/NH/DEMO-65(8)	98

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



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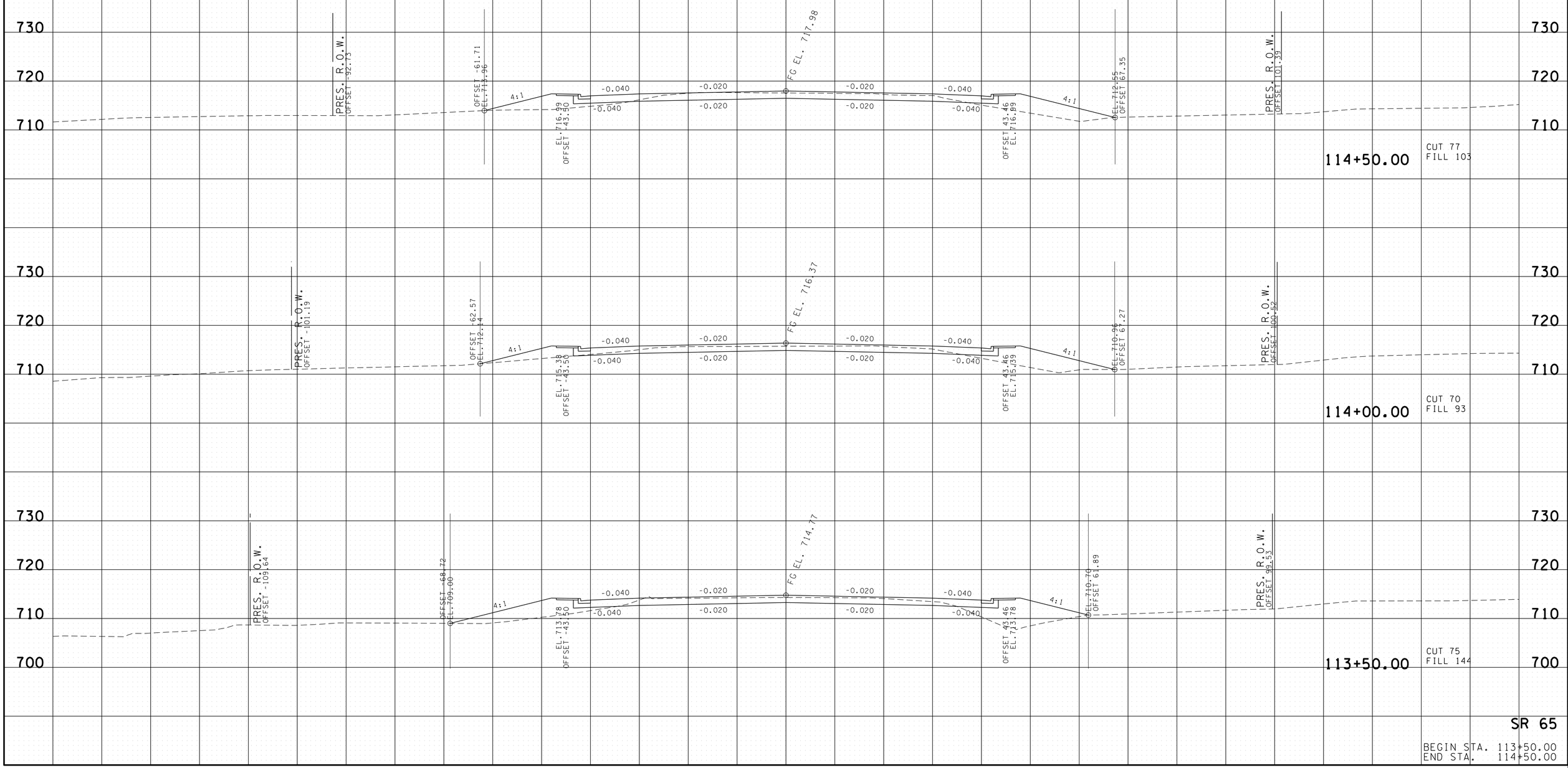
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	106
CONST.	2015	STP/NH/DEMO-65(8)	99

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 113+50.00
END STA. 114+50.00

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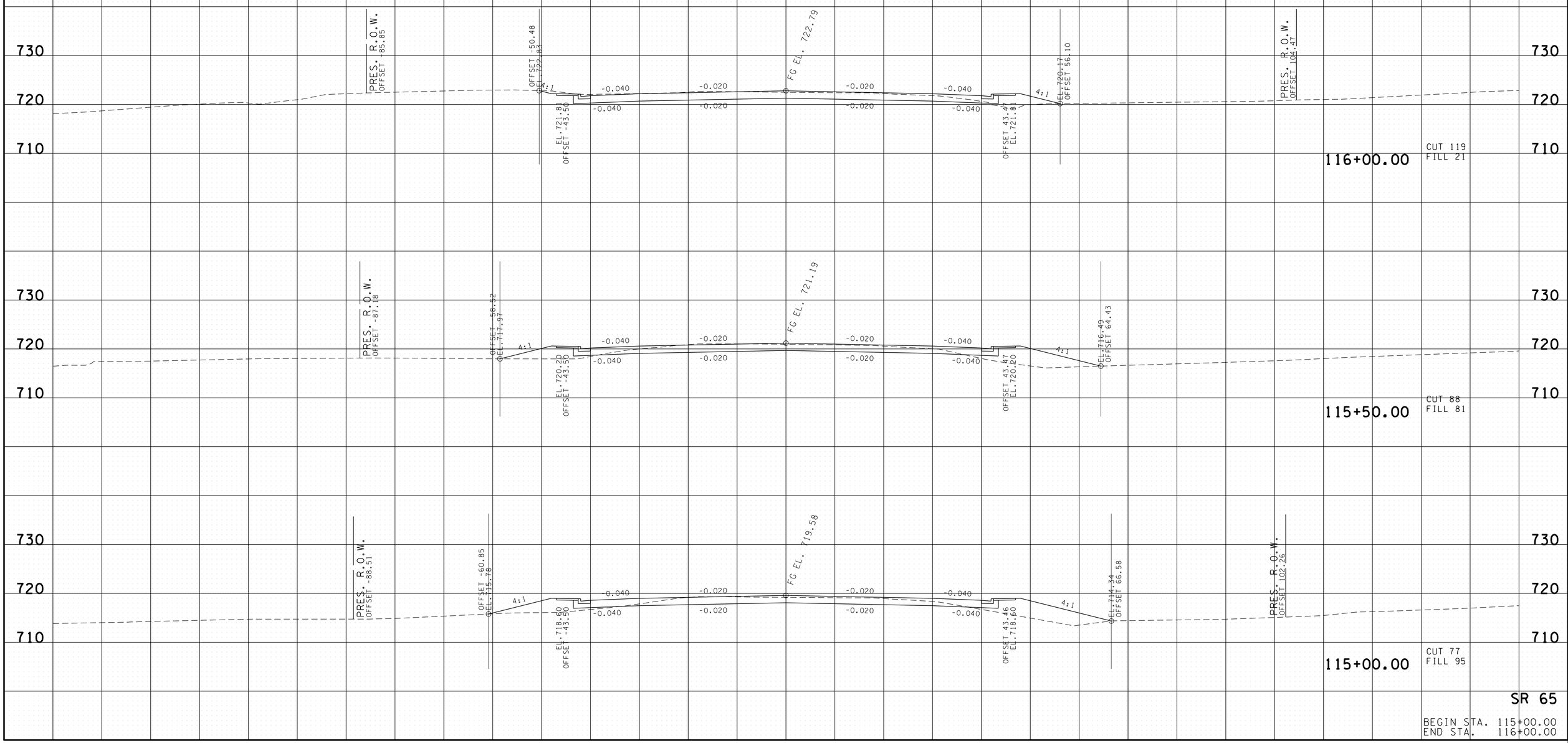
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	107
CONST.	2015	STP/NH/DEMO-65(8)	100

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 115+00.00
END STA. 116+00.00

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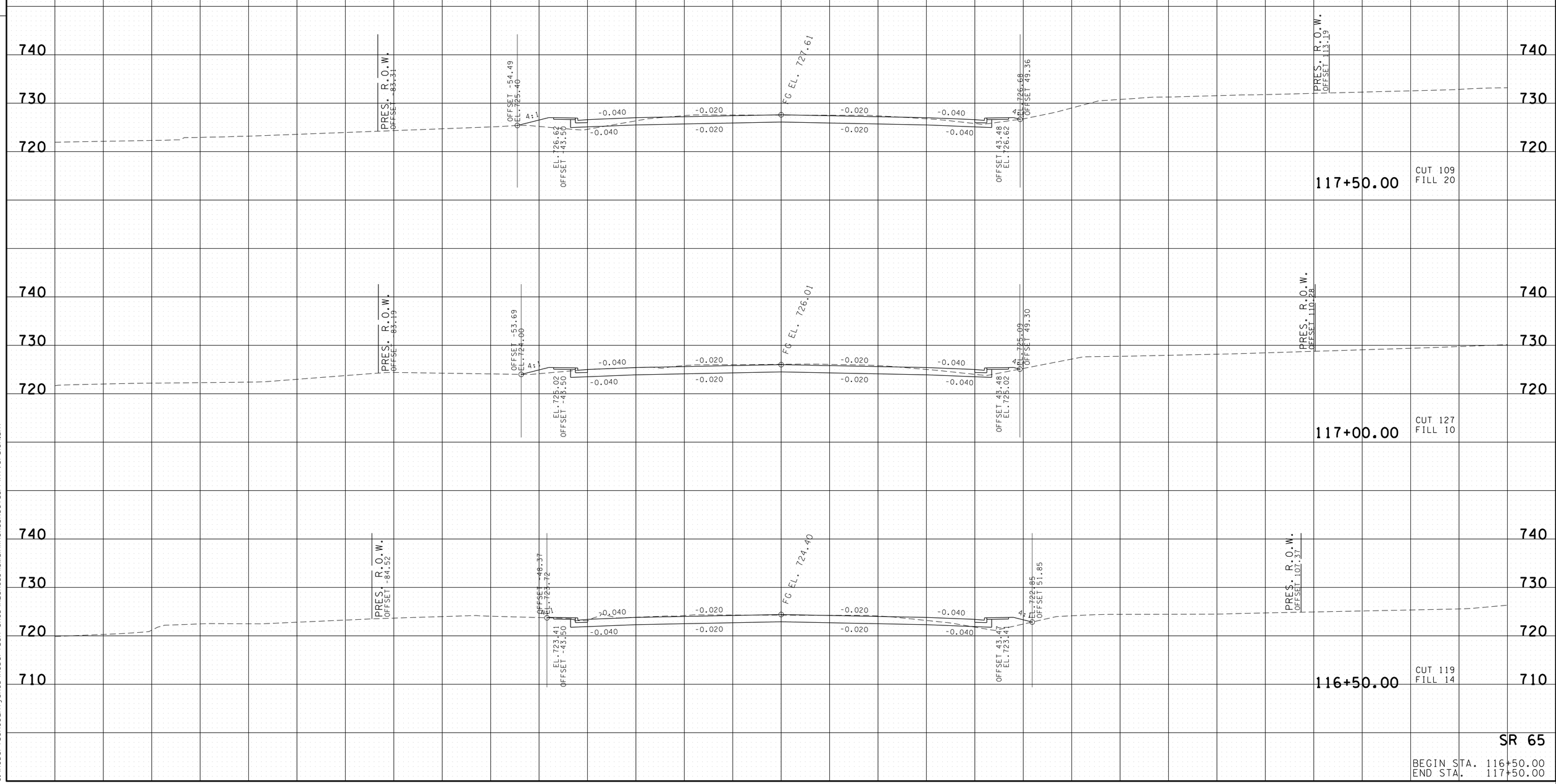
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	108
CONST.	2015	STP/NH/DEMO-65(8)	101

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



SR 65

BEGIN STA. 116+50.00
END STA. 117+50.00

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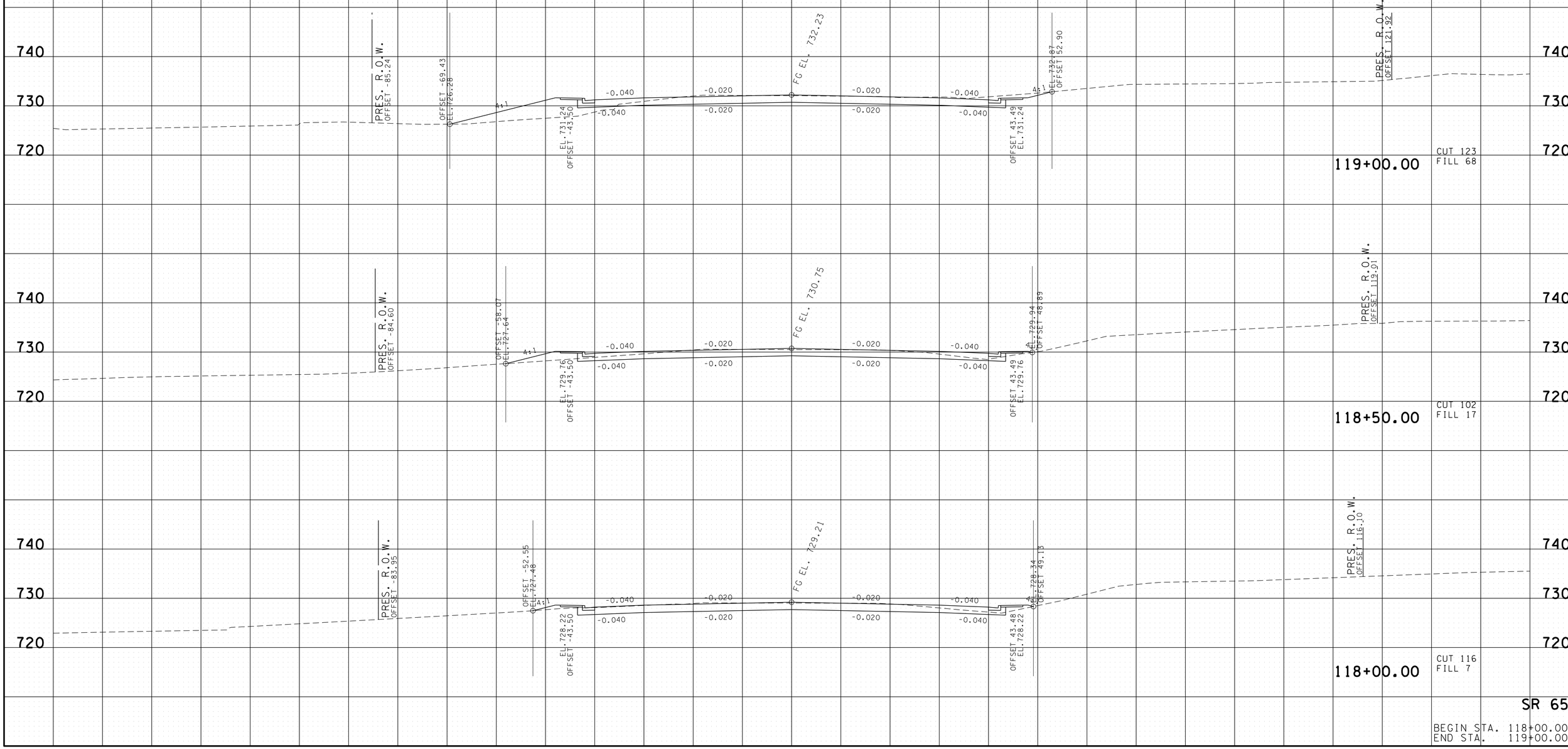
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	109
CONST.	2015	STP/NH/DEMO-65(8)	102

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 118+00.00
END STA. 119+00.00

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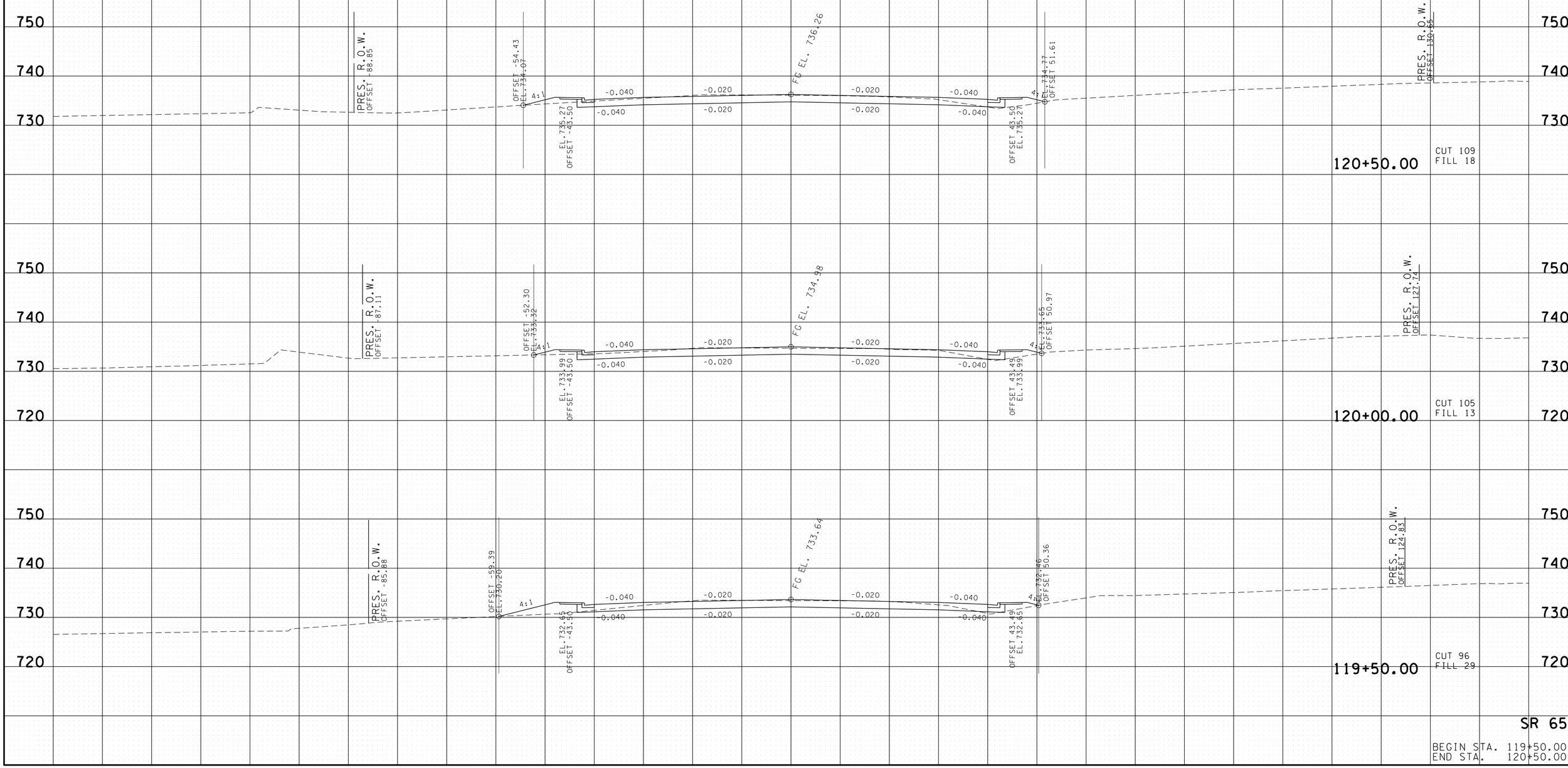
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	110
CONST.	2015	STP/NH/DEMO-65(8)	103

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 119+50.00
END STA. 120+50.00

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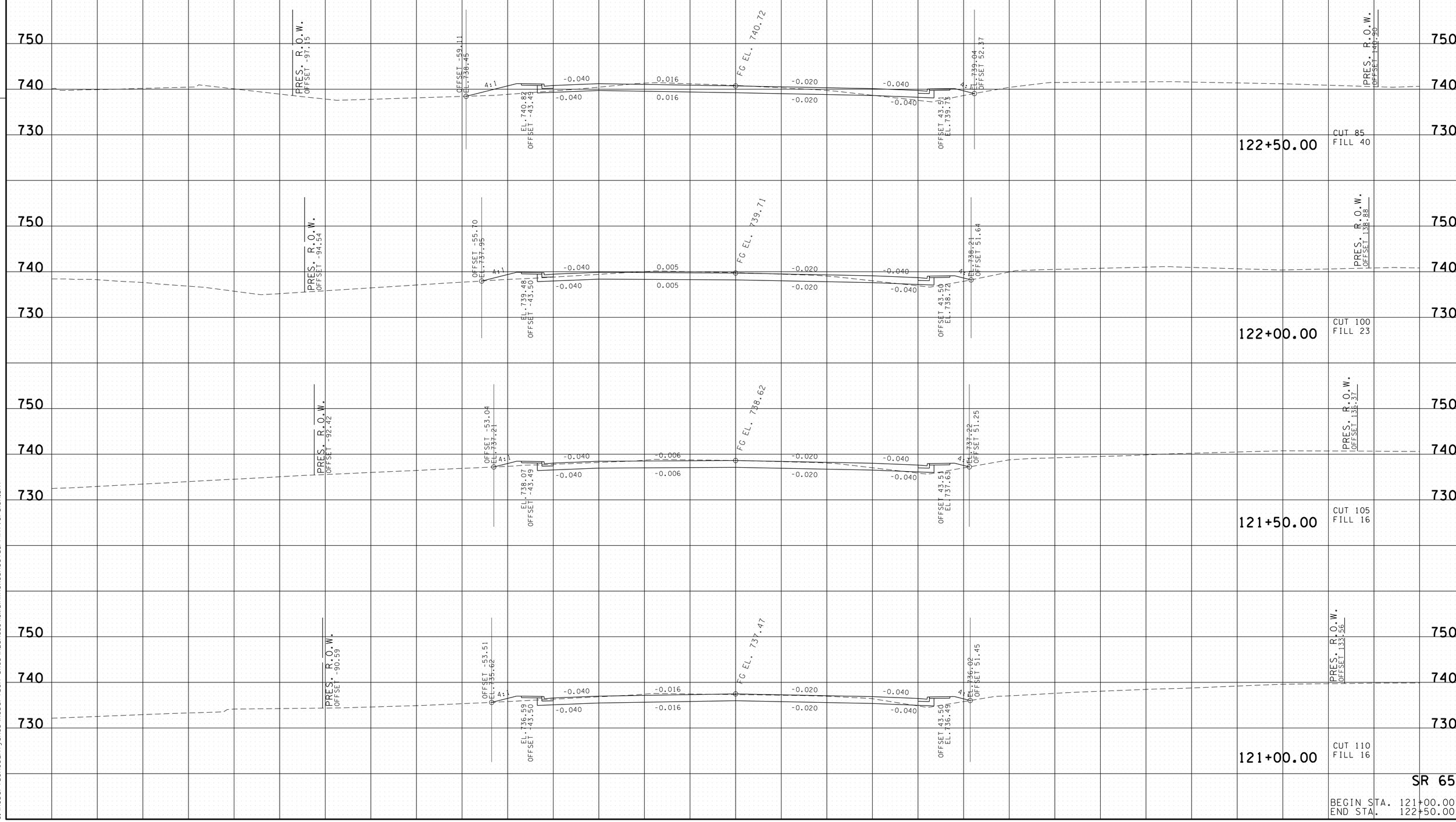
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	111
CONST.	2015	STP/NH/DEMO-65(8)	104

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



SR 65

BEGIN STA. 121+00.00
END STA. 122+50.00

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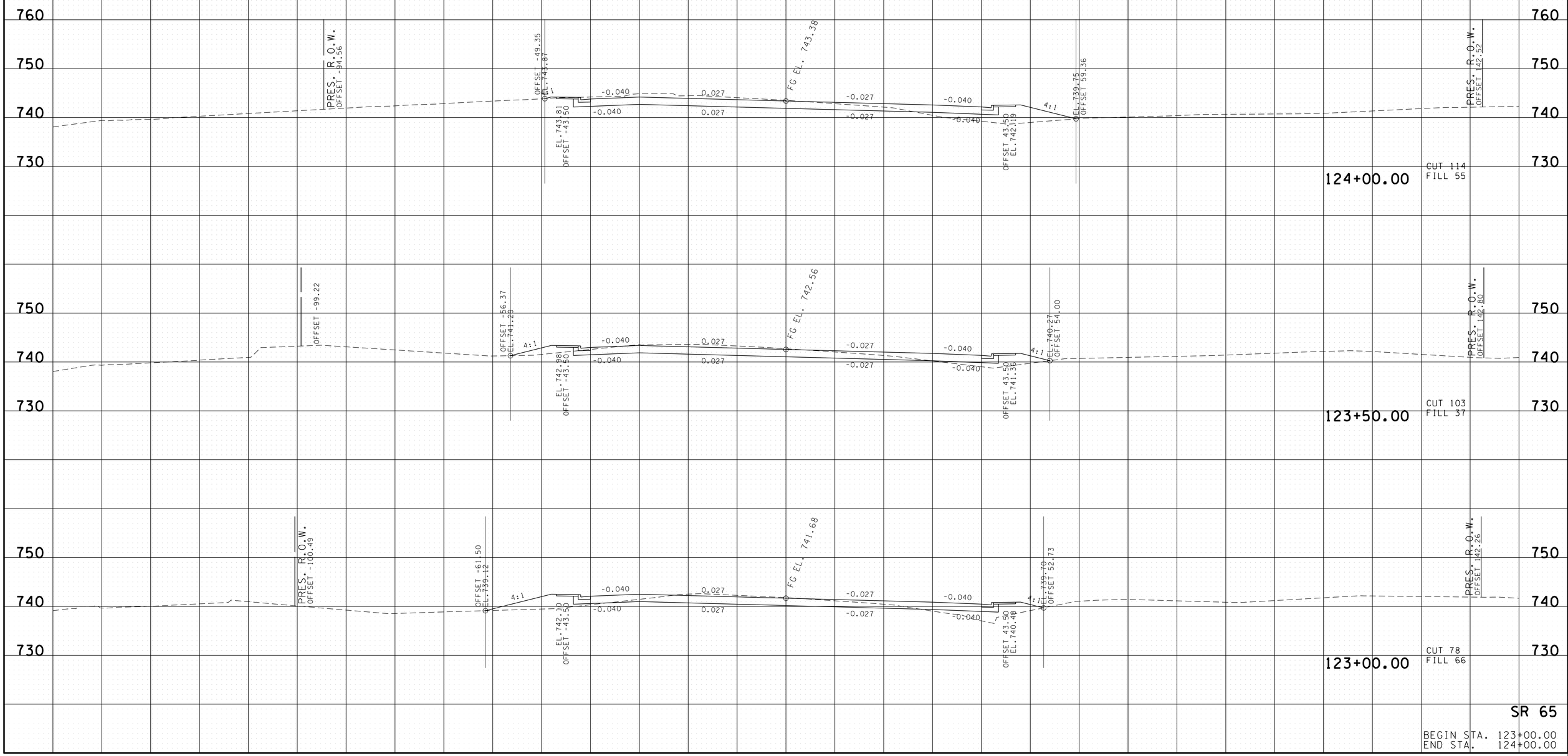
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	112
CONST.	2015	STP/NH/DEMO-65(8)	105

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 123+00.00
END STA. 124+00.00

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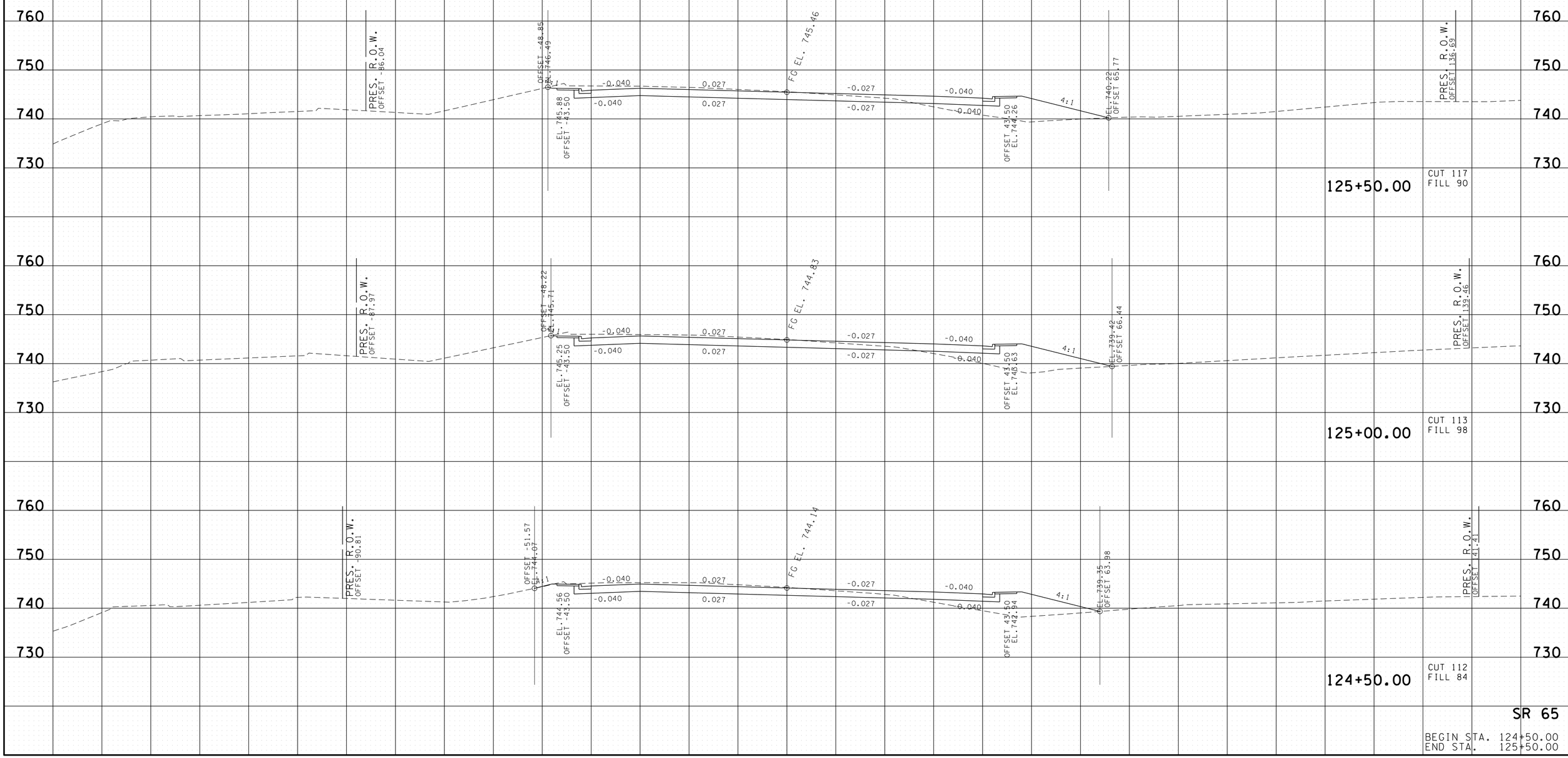
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	113
CONST.	2015	STP/NH/DEMO-65(8)	106

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 124+50.00
END STA. 125+50.00

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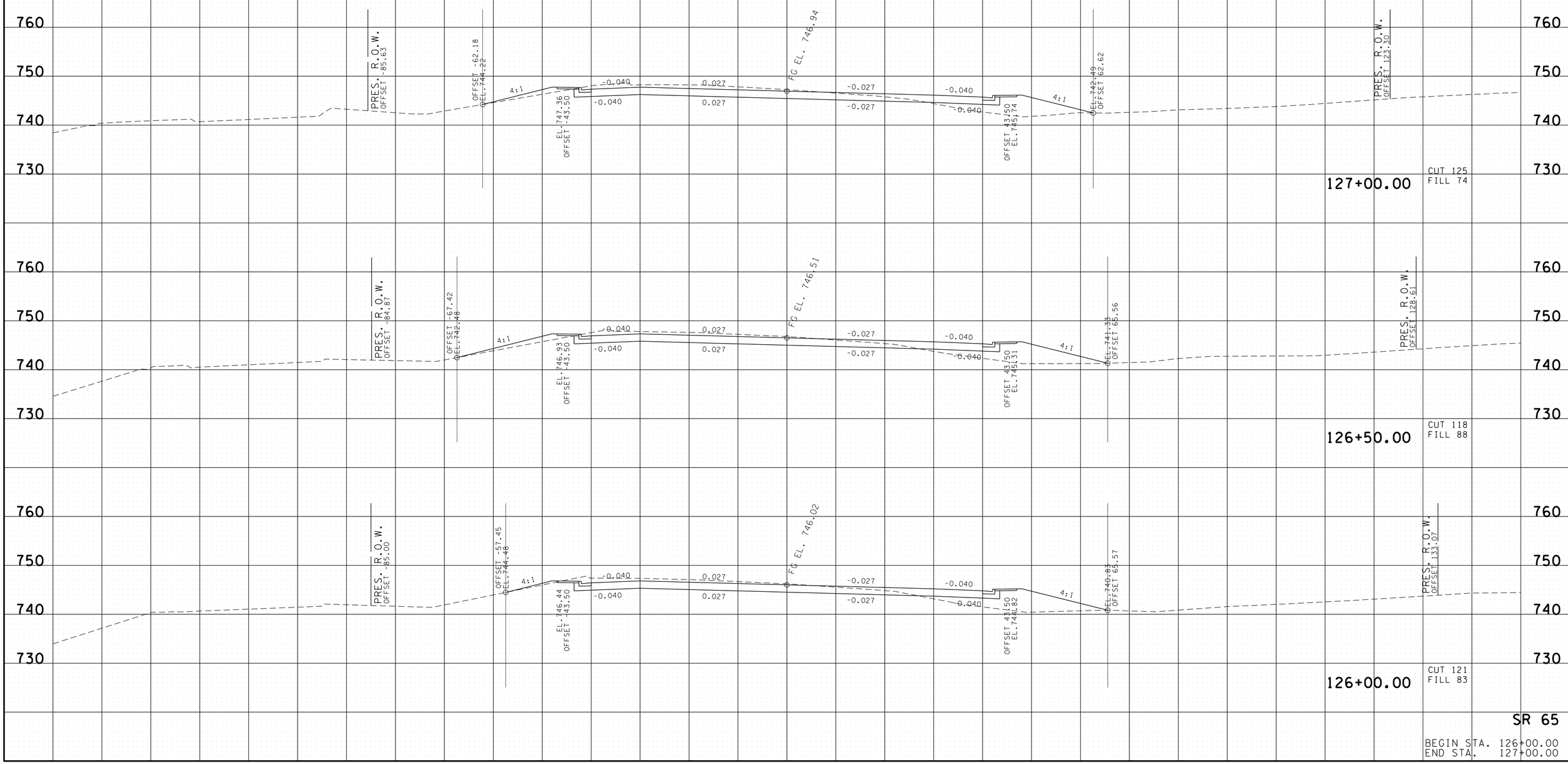
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	114
CONST.	2015	STP/NH/DEMO-65(8)	107

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 126+00.00
END STA. 127+00.00

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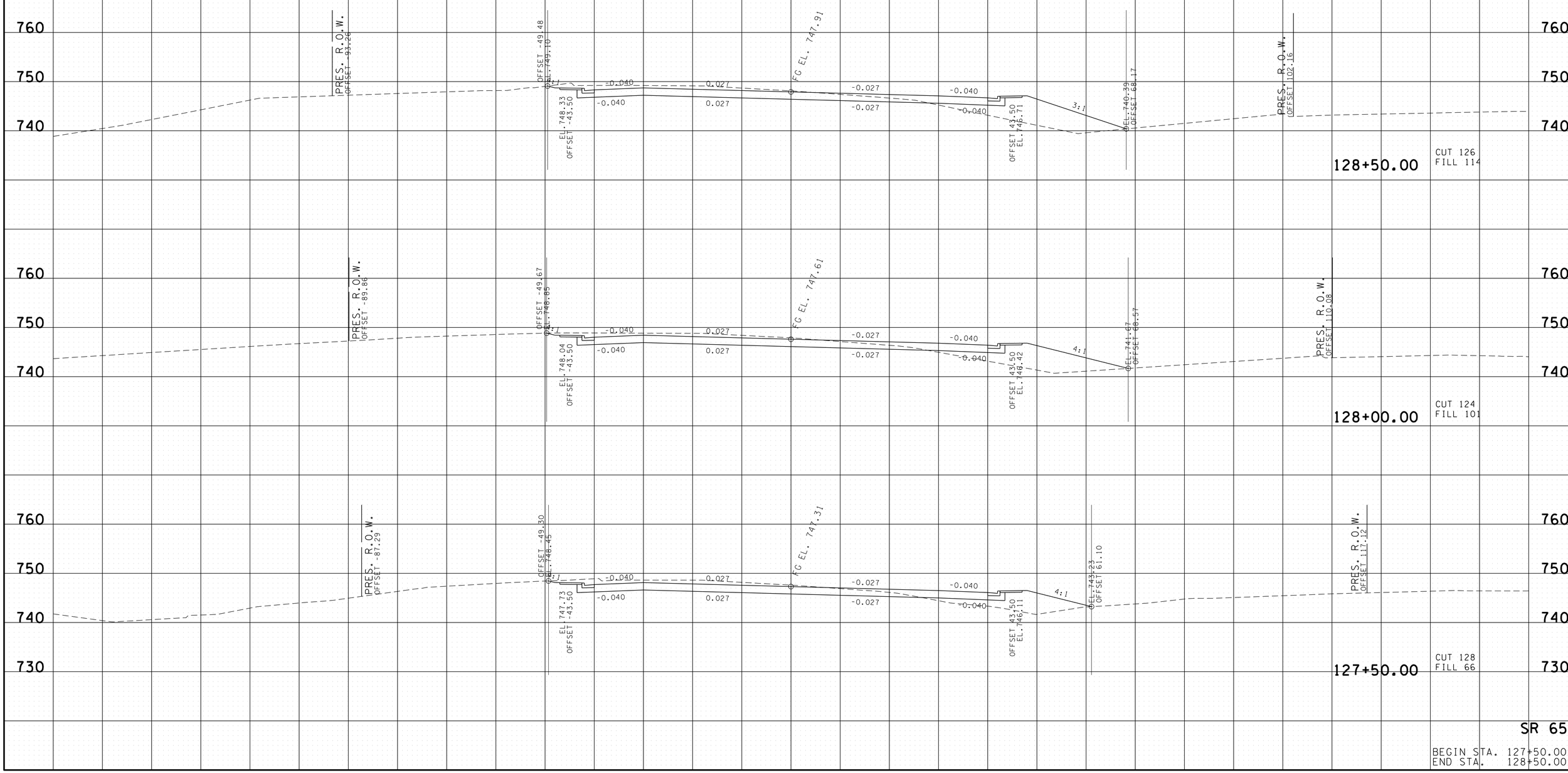
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	115
CONST.	2015	STP/NH/DEMO-65(8)	108

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 127+50.00
END STA. 128+50.00

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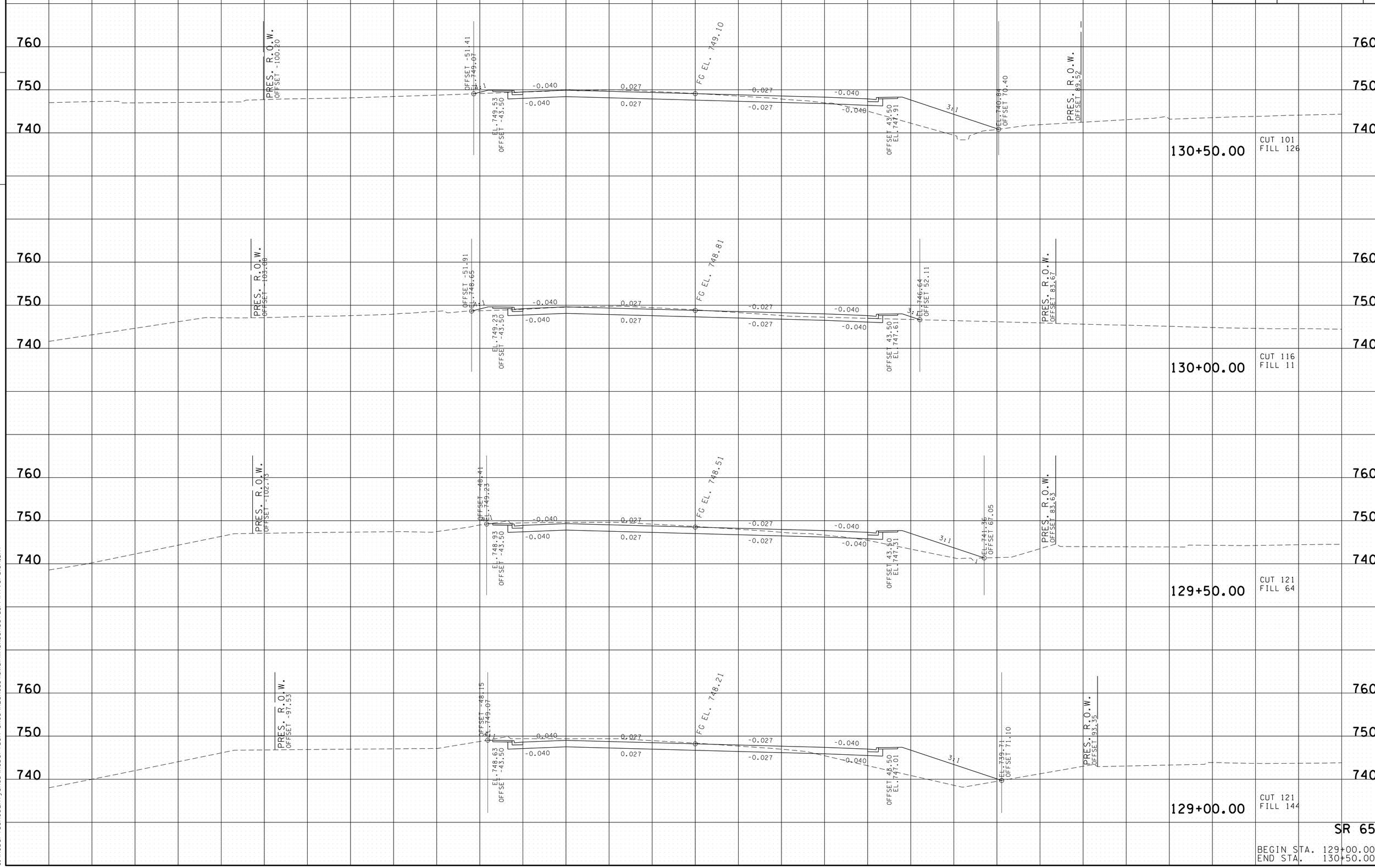
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	116
CONST.	2015	STP/NH/DEMO-65(8)	109

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 129+00.00
END STA. 130+50.00

19-MAY-2015 09:59
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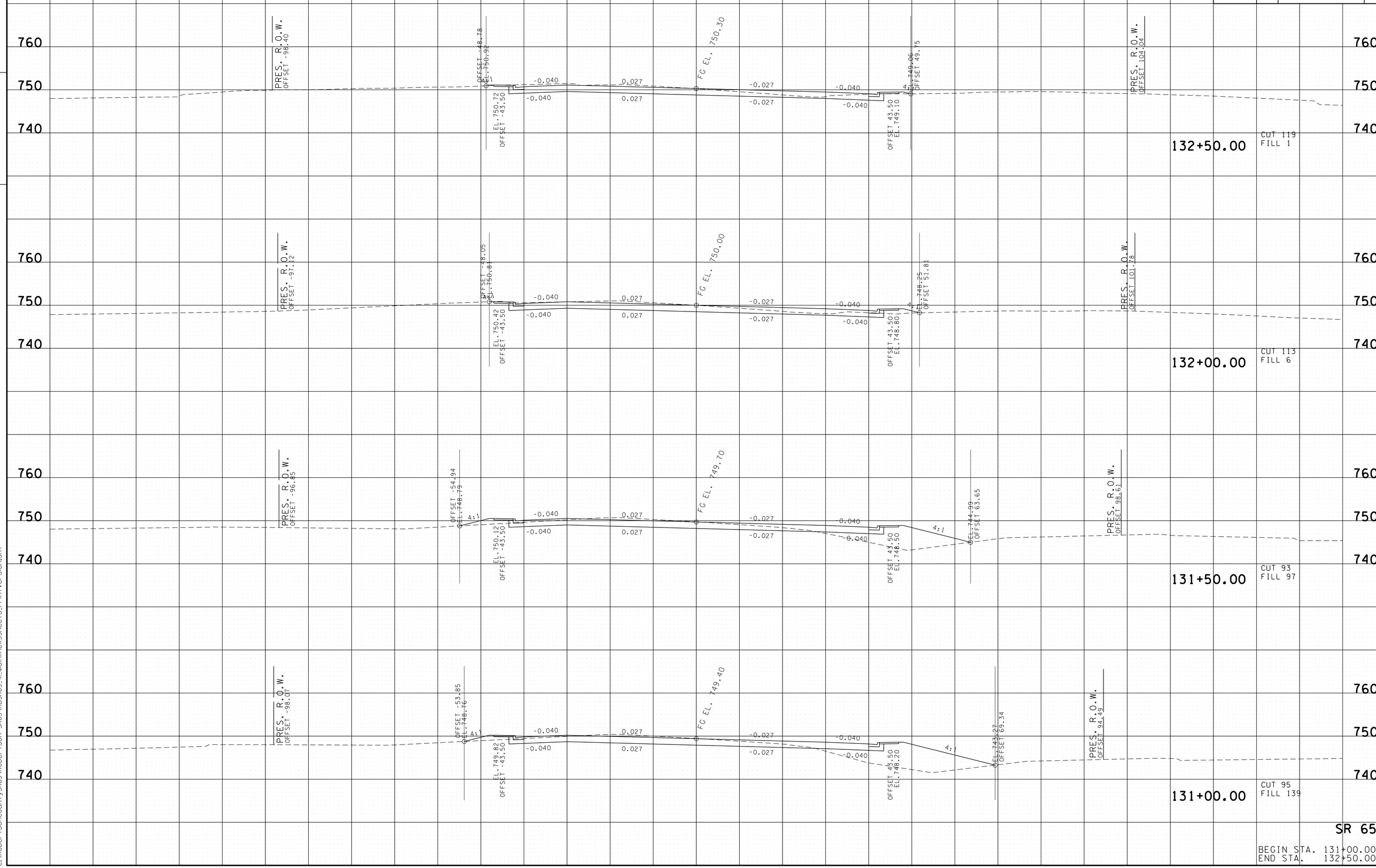
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	117
CONST.	2015	STP/NH/DEMO-65(8)	110

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



SR 65

BEGIN STA. 131+00.00
END STA. 132+50.00

19-MAY-2015 09:59
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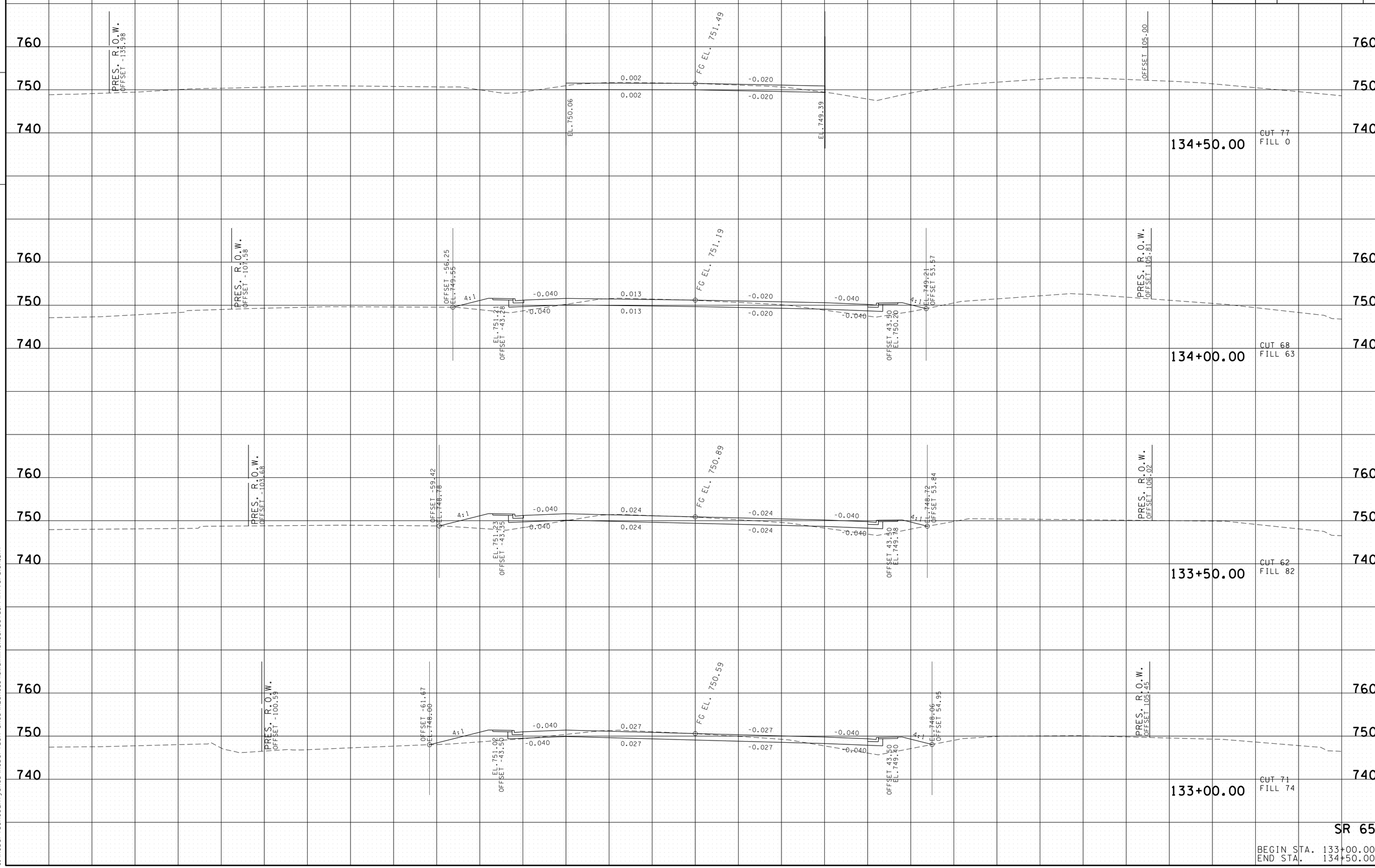
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	118
CONST.	2015	STP/NH/DEMO-65(8)	111



SR 65

BEGIN STA. 133+00.00
END STA. 134+50.00

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION

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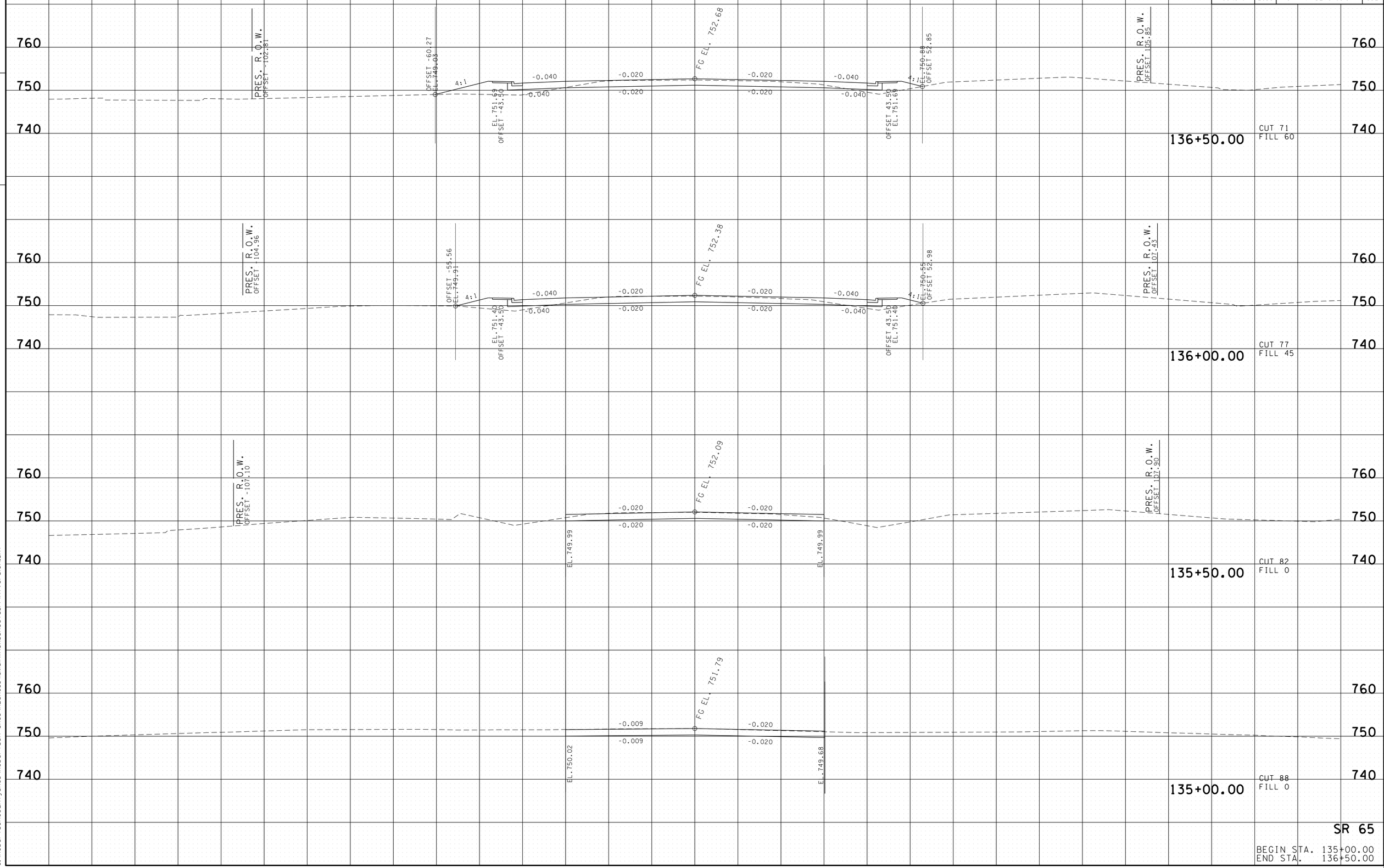
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	119
CONST.	2015	STP/NH/DEMO-65(8)	112

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 135+00.00
END STA. 136+50.00

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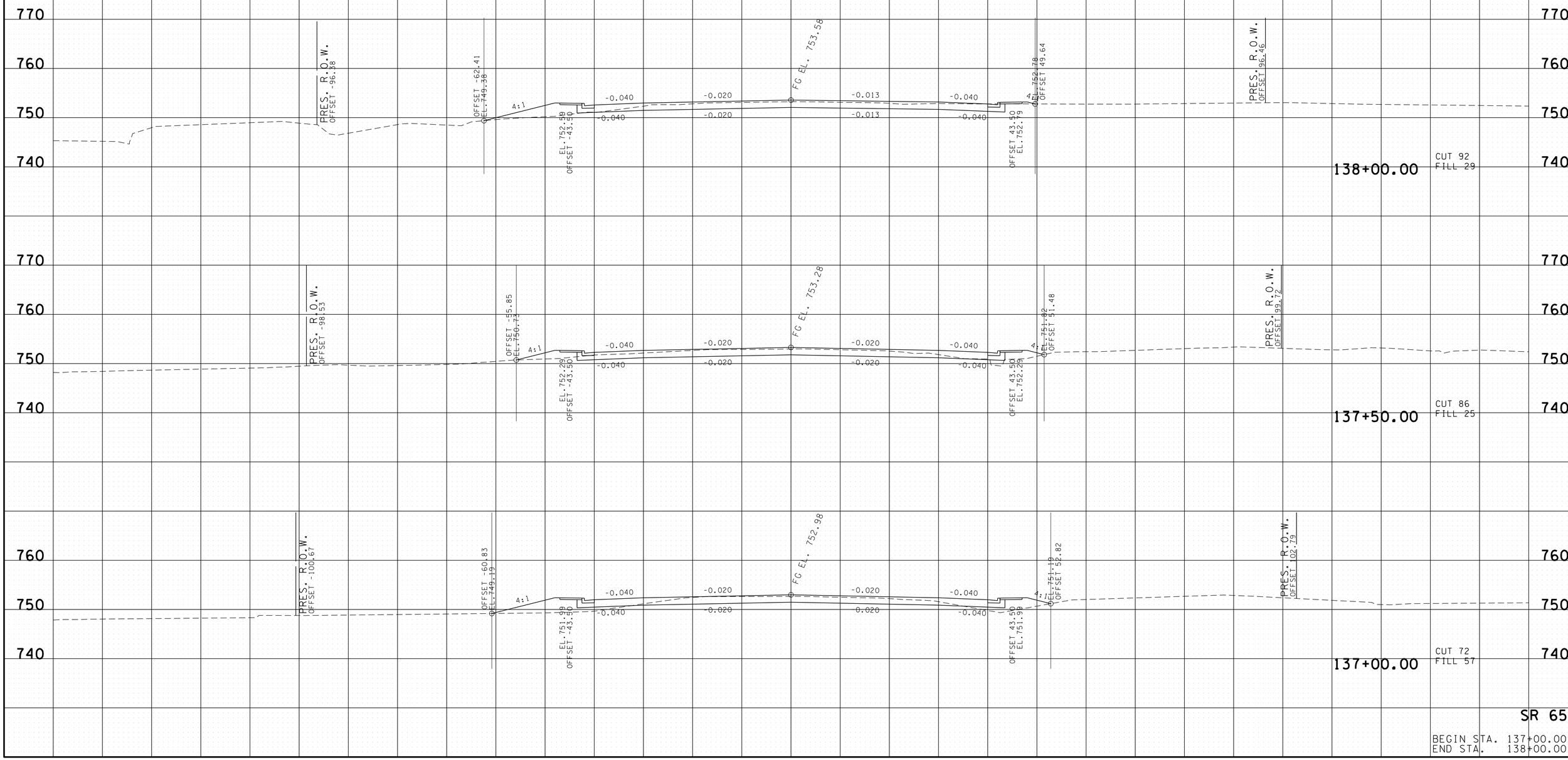
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	120
CONST.	2015	STP/NH/DEMO-65(8)	113

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 137+00.00
END STA. 138+00.00

19-MAY-2015 09:59
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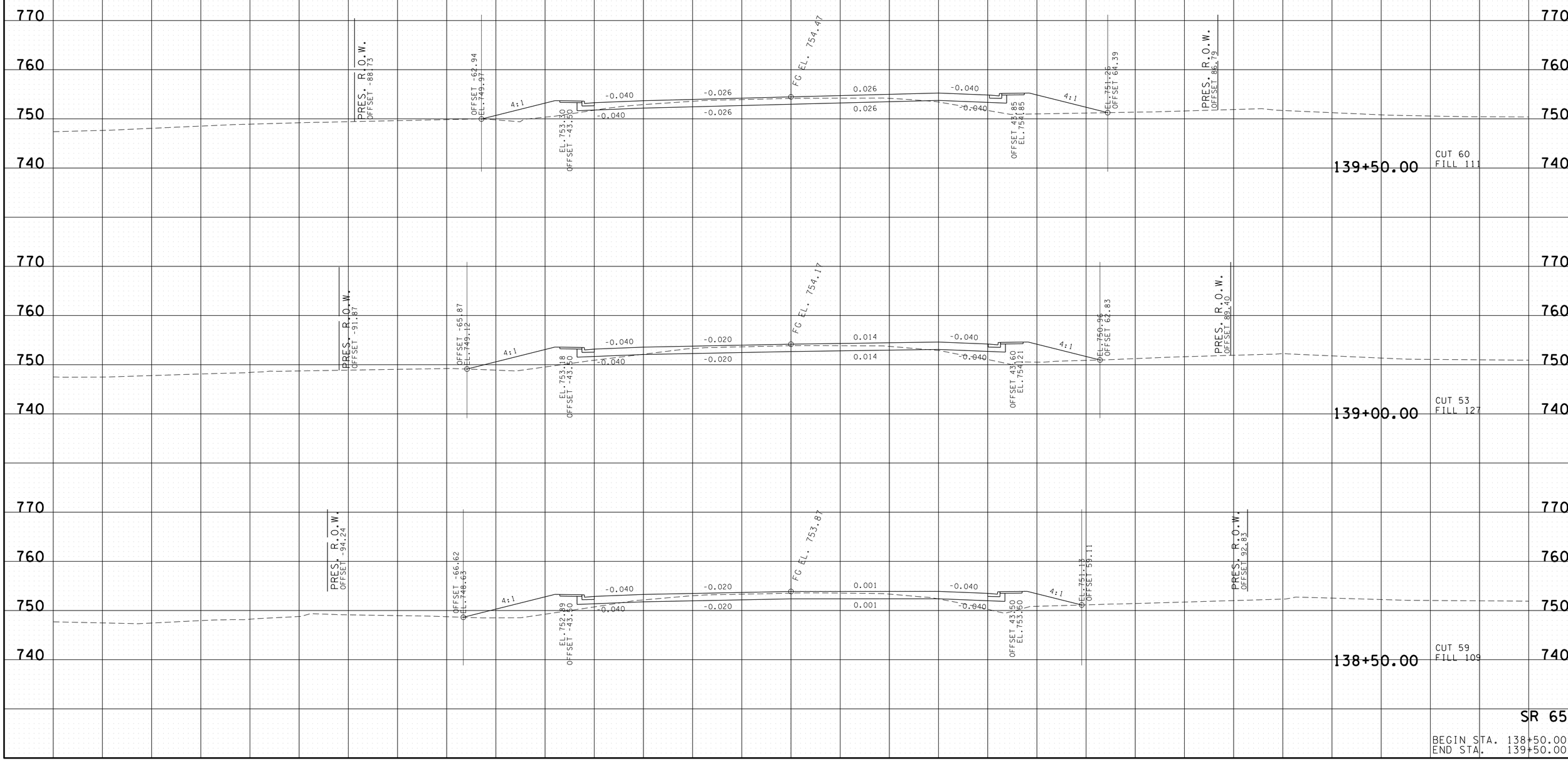
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	121
CONST.	2015	STP/NH/DEMO-65(8)	114

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 138+50.00
END STA. 139+50.00

19-MAY-2015 09:59
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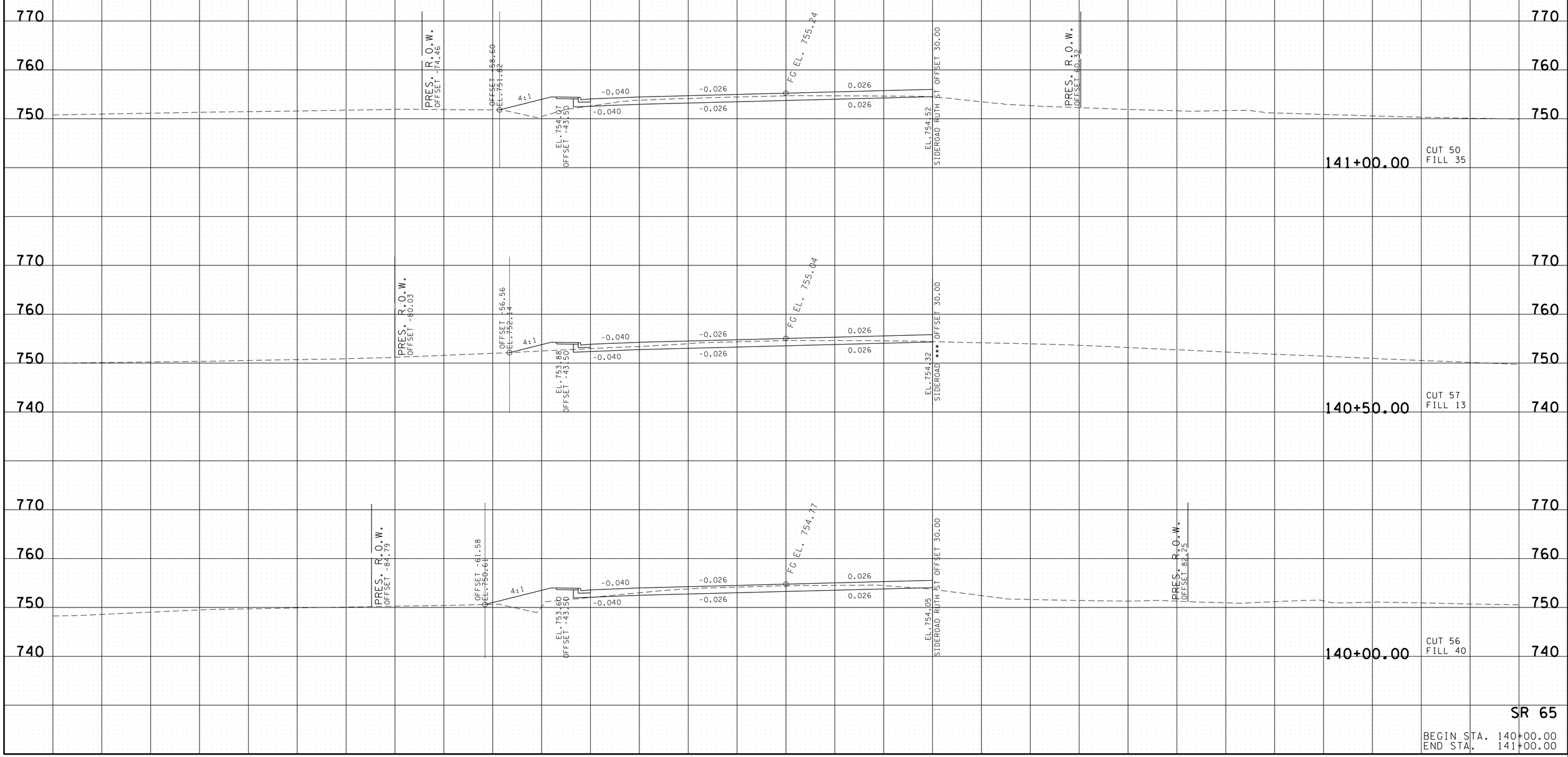
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	122
CONST.	2015	STP/NH/DEMO-65(8)	115

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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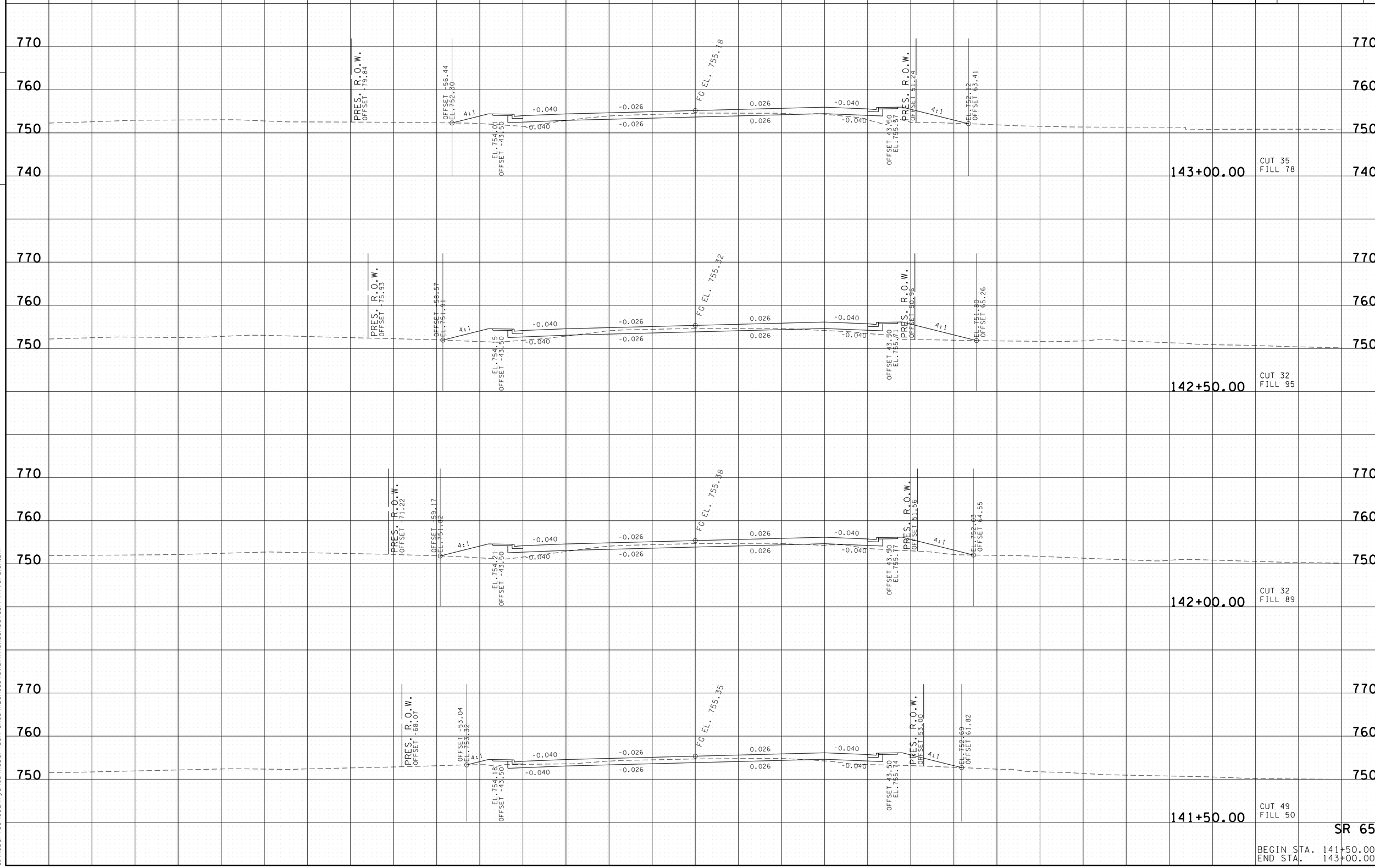
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	123
CONSTR.	2015	STP/NH/DEMO-65(8)	116

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



SR 65

BEGIN STA. 141+50.00
END STA. 143+00.00

19-MAY-2015 09:59
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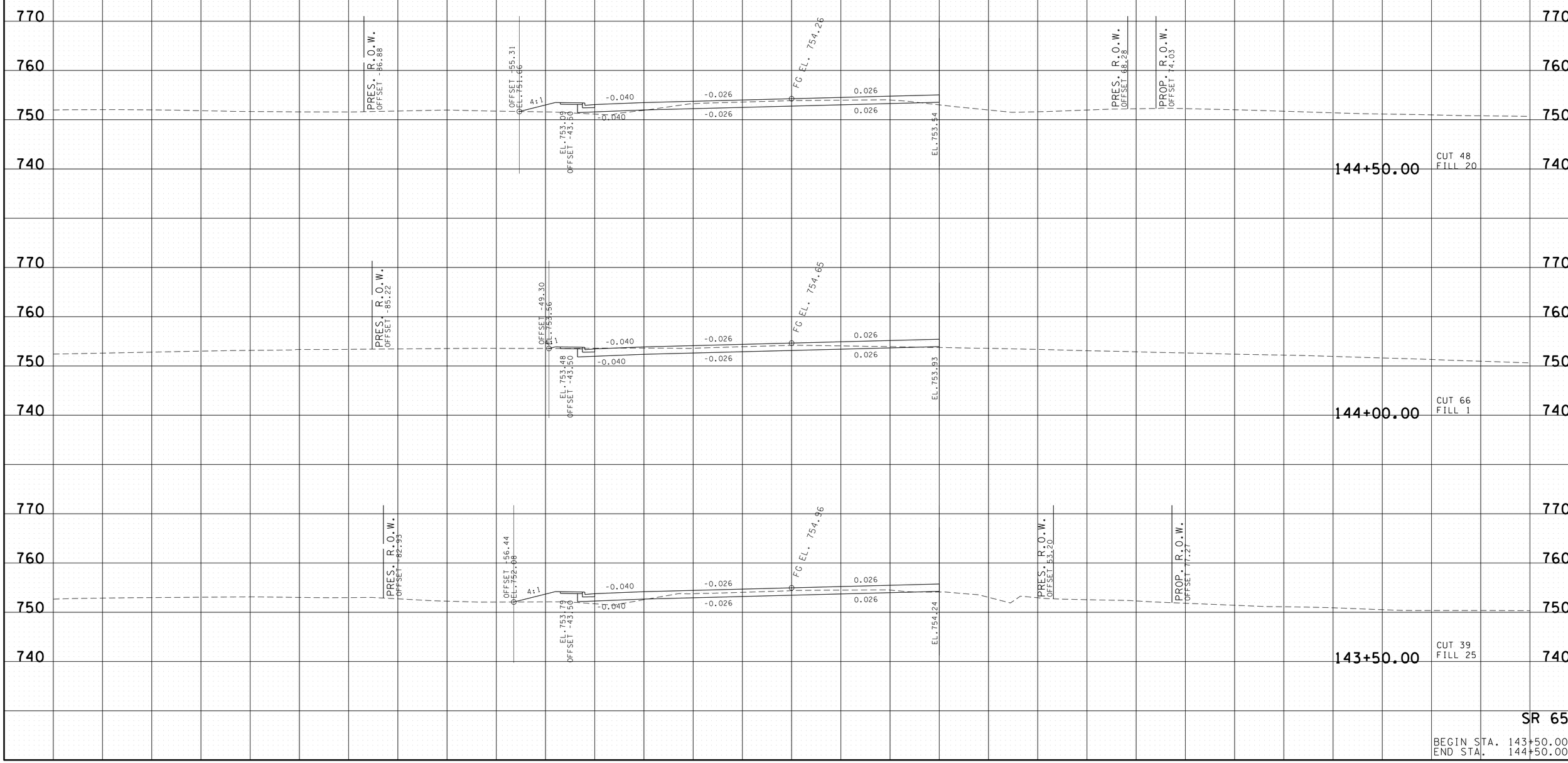
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	124
CONST.	2015	STP/NH/DEMO-65(8)	117

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 65

BEGIN STA. 143+50.00
END STA. 144+50.00

19-MAY-2015 09:59
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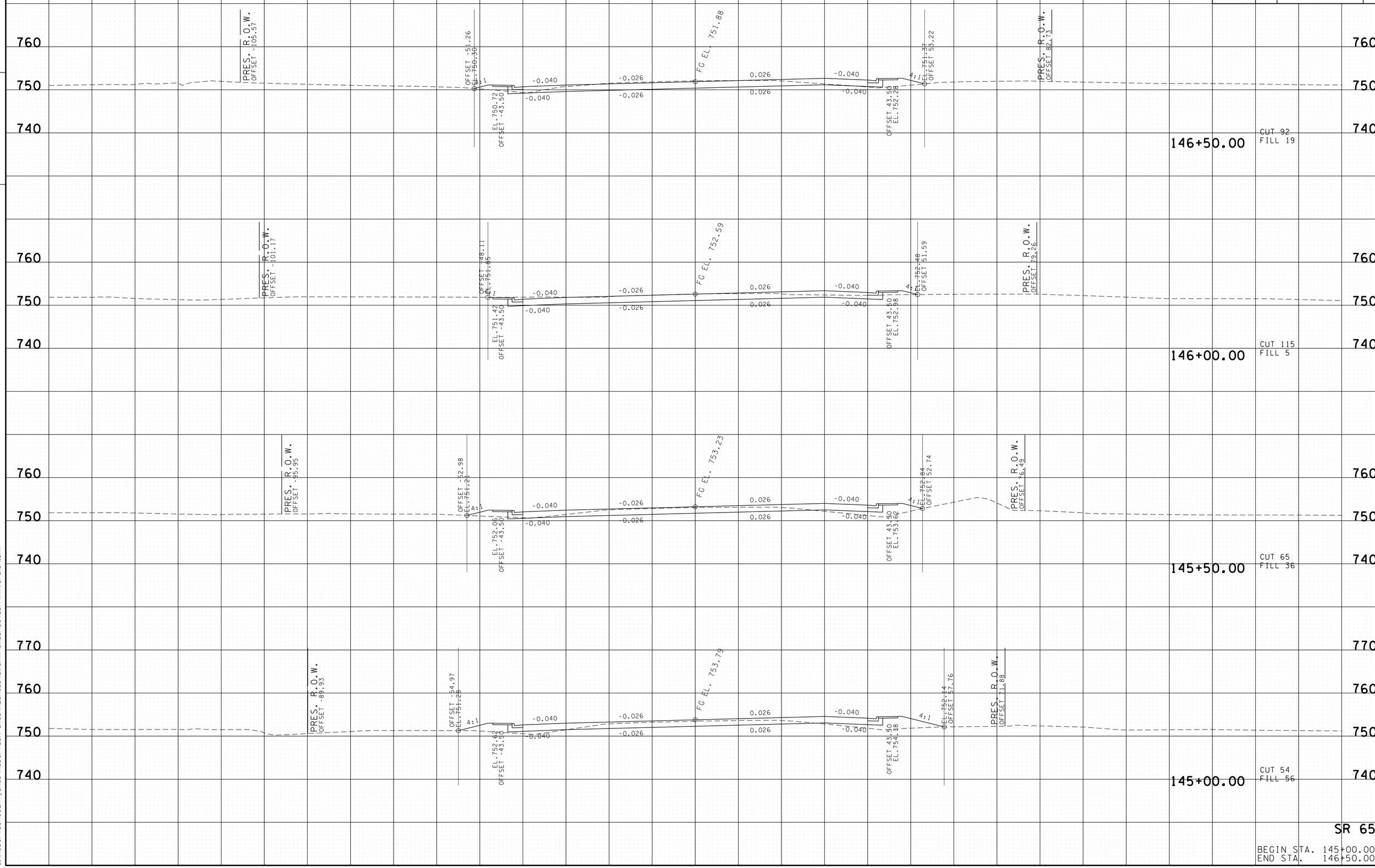
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	125
CONST.	2015	STP/NH/DEMO-65(8)	118



SR 65

BEGIN STA. 145+00.00
END STA. 146+50.00

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION

19-MAY-2015 09:59
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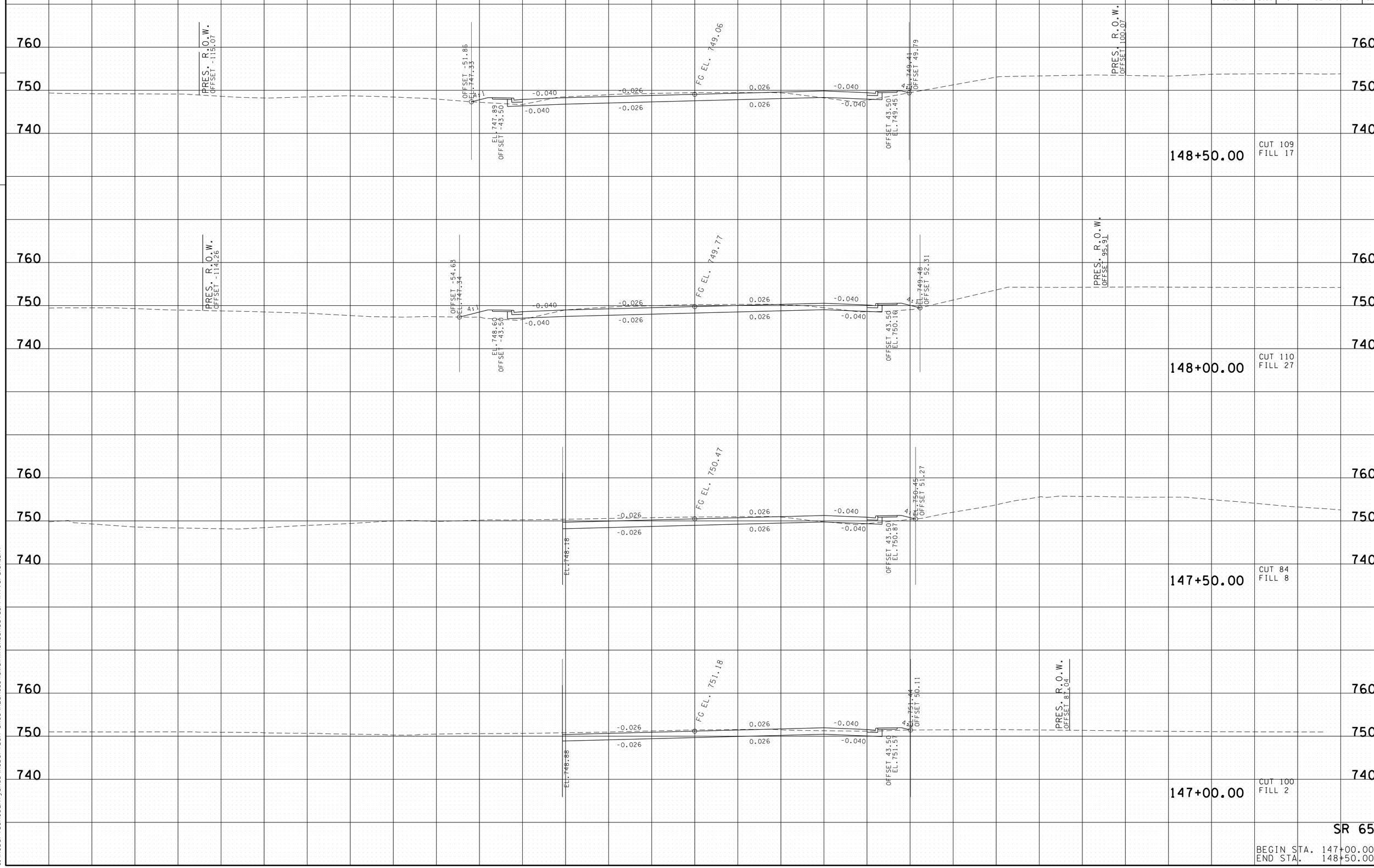
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	126
CONST.	2015	STP/NH/DEMO-65(8)	119



SR 65

BEGIN STA. 147+00.00
END STA. 148+50.00

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION

19-MAY-2015 09:59
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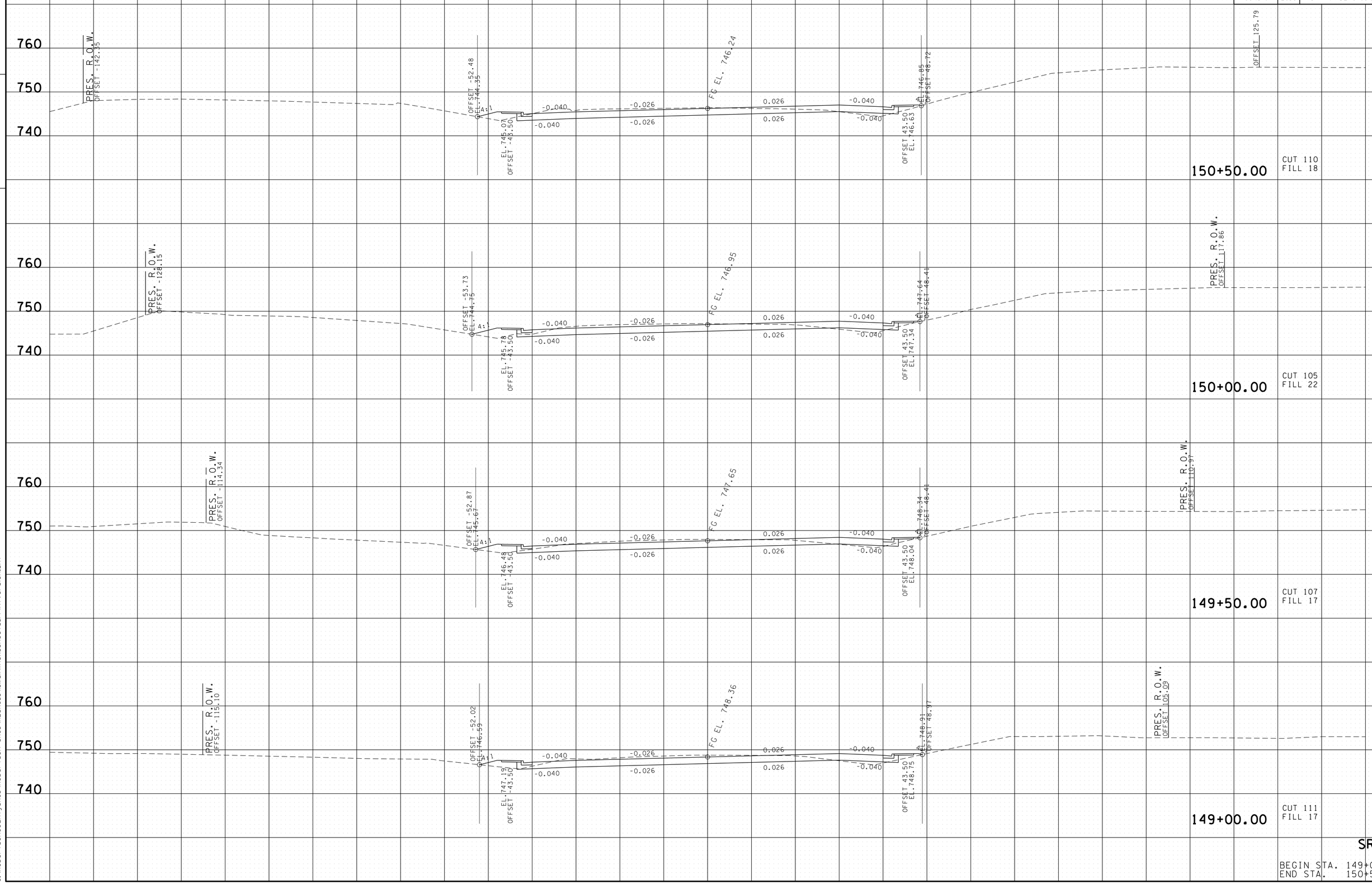
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	127
CONST.	2015	STP/NH/DEMO-65(8)	120

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



SR 65

BEGIN STA. 149+00.00
END STA. 150+50.00

19-MAY-2015 09:59
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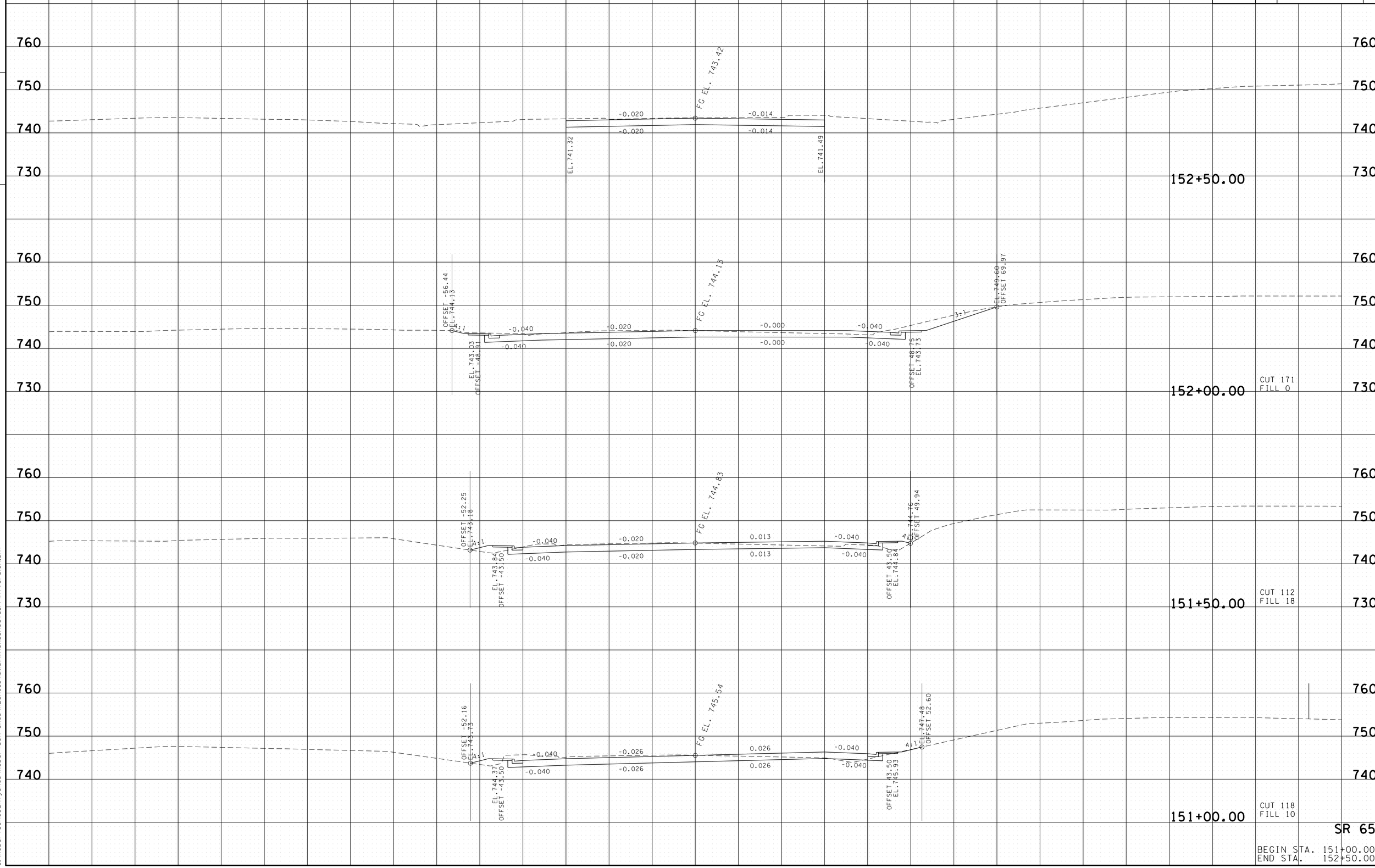
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	128
CONST.	2015	STP/NH/DEMO-65(8)	121

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



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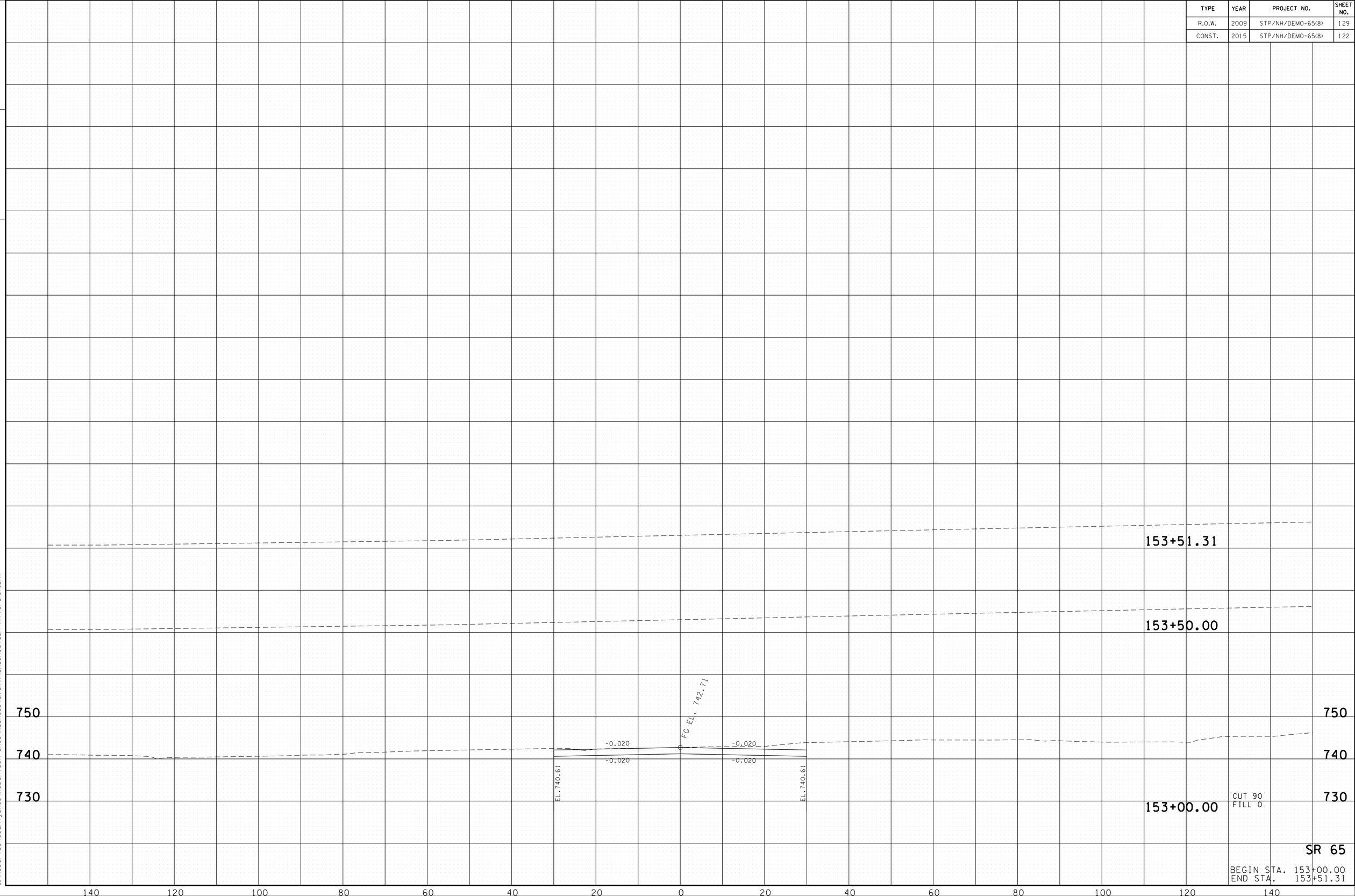
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	129
CONST.	2015	STP/NH/DEMO-65(8)	122



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

19-MAY-2015 09:59
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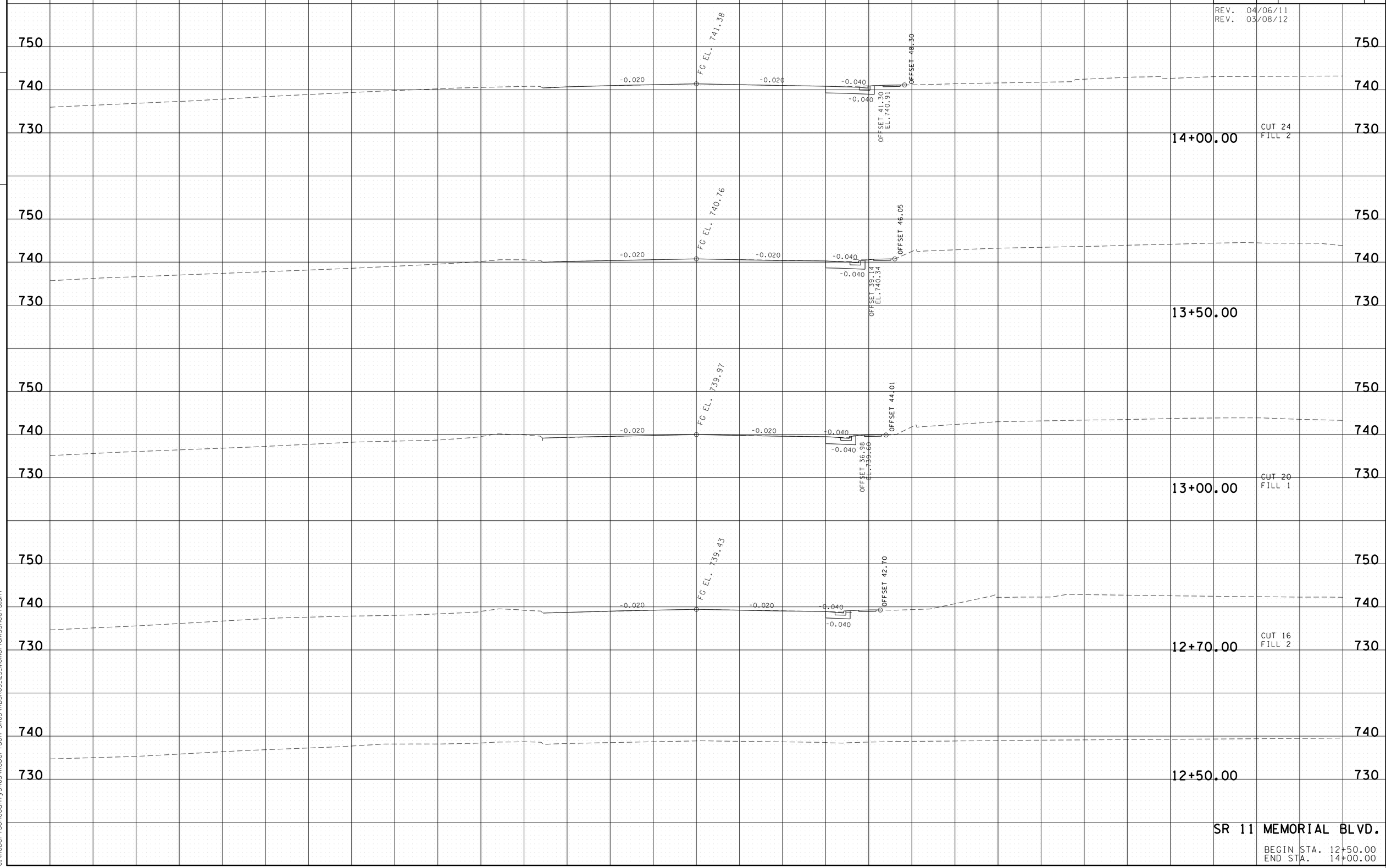
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	146
CONST.	2015	STP/NH/DEMO-65(8)	123

REV. 04/06/11
REV. 03/08/12

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 11 MEMORIAL BLVD.

BEGIN STA. 12+50.00
END STA. 14+00.00

19-MAY-2015 09:59
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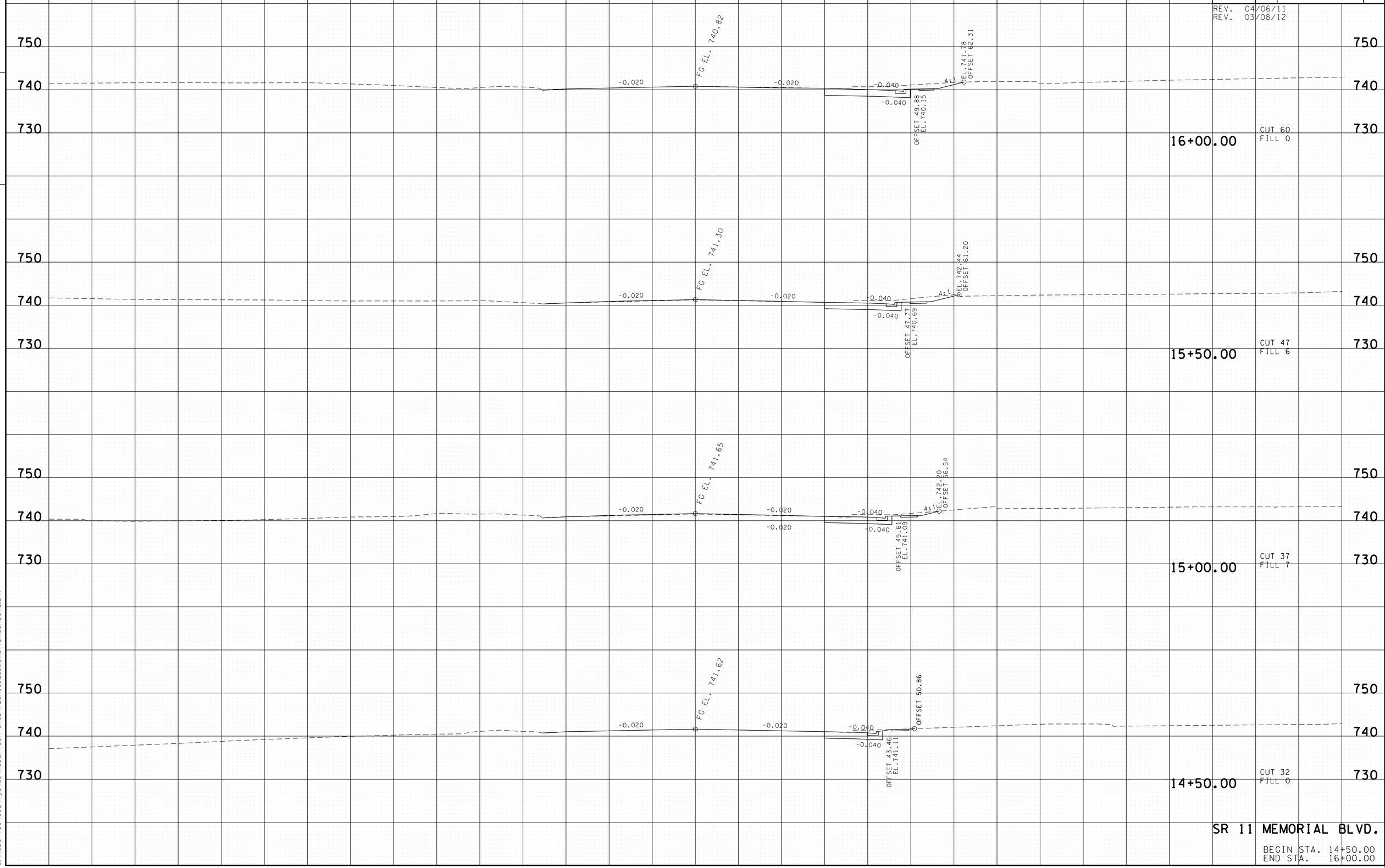
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	147
CONST.	2015	STP/NH/DEMO-65(8)	124

REV. 04/06/11
REV. 03/08/12

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 11 MEMORIAL BLVD.

BEGIN STA. 14+50.00
END STA. 16+00.00

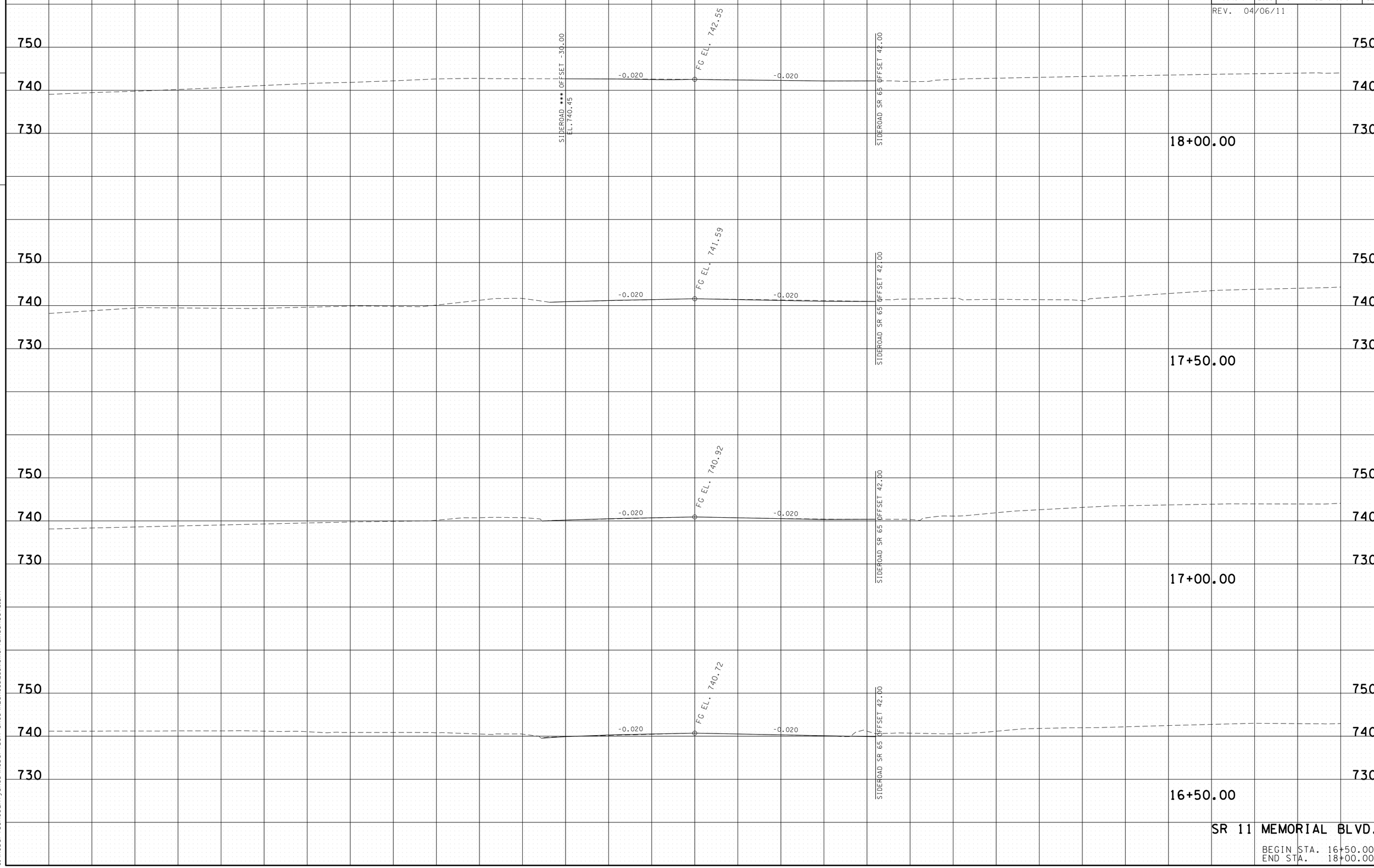
19-MAY-2015 09:59
C:\RobertsonCountySR65\Robertson SR65\RBSR65_123_Memorial\XSSheets.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	148
CONST.	2015	STP/NH/DEMO-65(8)	125

REV. 04/06/11

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 11 MEMORIAL BLVD.

BEGIN STA. 16+50.00
END STA. 18+00.00

19-MAY-2015 09:59
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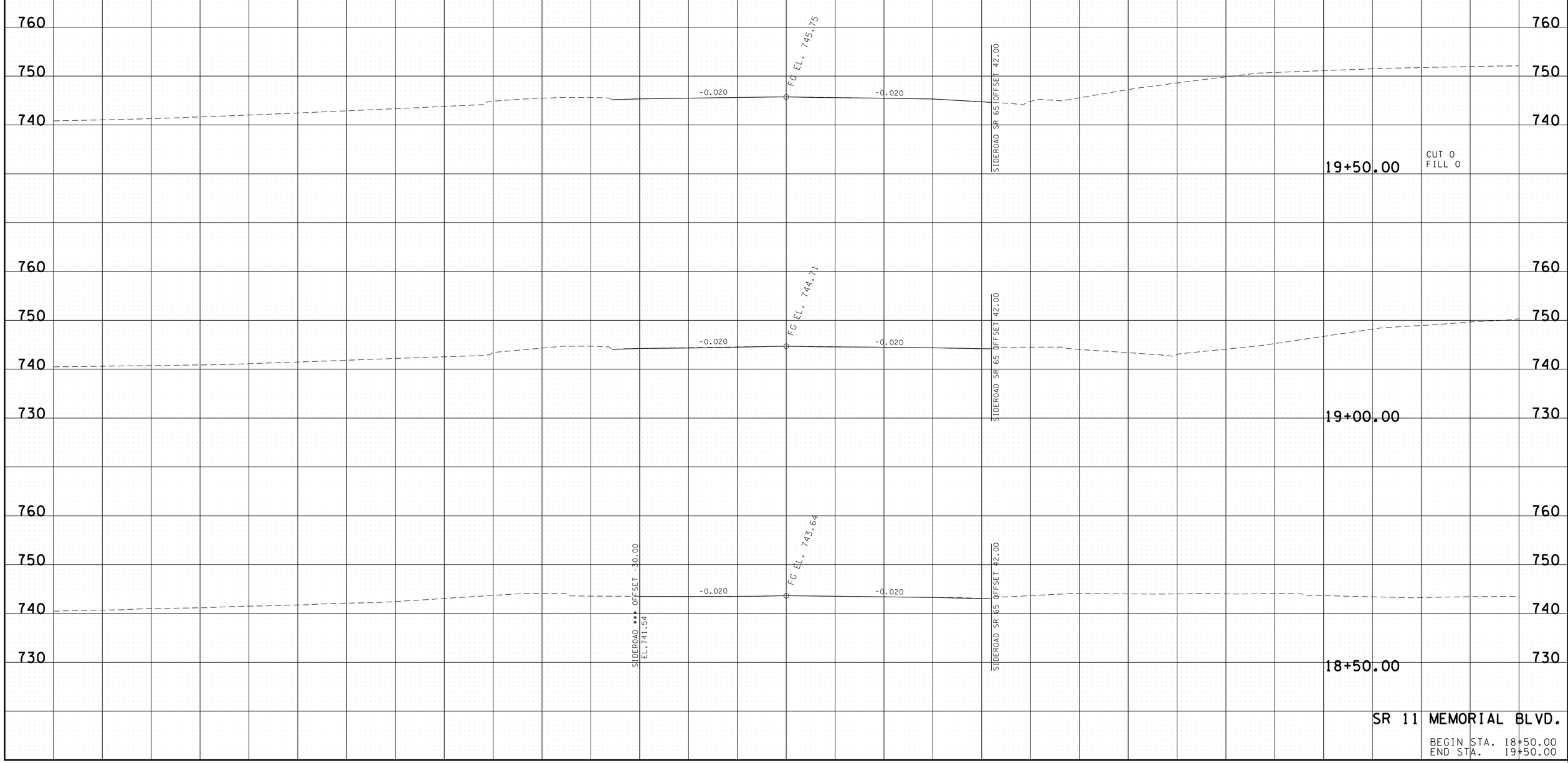
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	149
CONST.	2015	STP/NH/DEMO-65(8)	126

REV. 04/06/11

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 11 MEMORIAL BLVD.

BEGIN STA. 18+50.00
END STA. 19+50.00

19-MAY-2015 09:59
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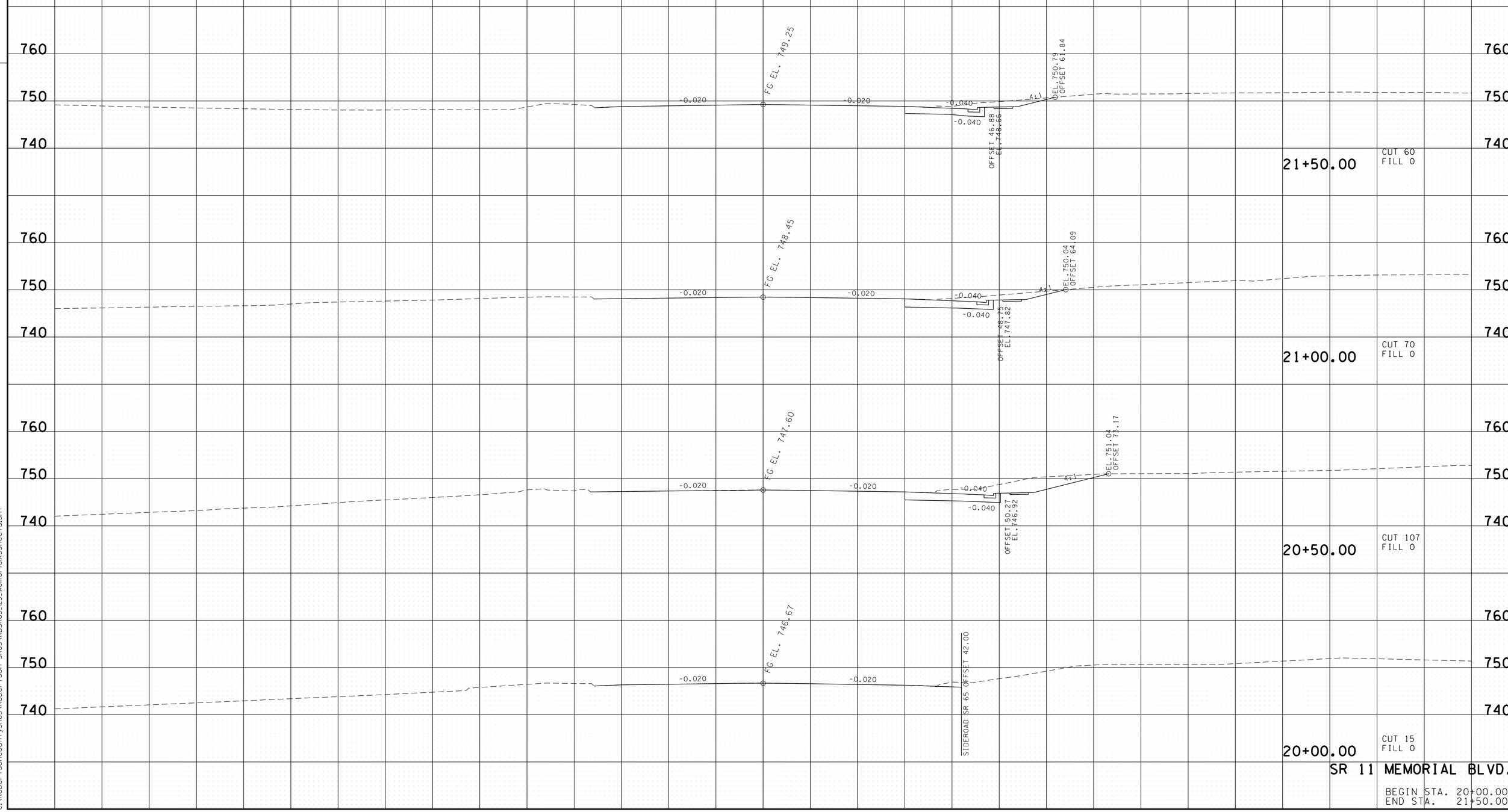
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	150
CONST.	2015	STP/NH/DEMO-65(8)	127

REV. 04/06/11

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 11 MEMORIAL BLVD.

BEGIN STA. 20+00.00
END STA. 21+50.00

19-MAY-2015 09:59
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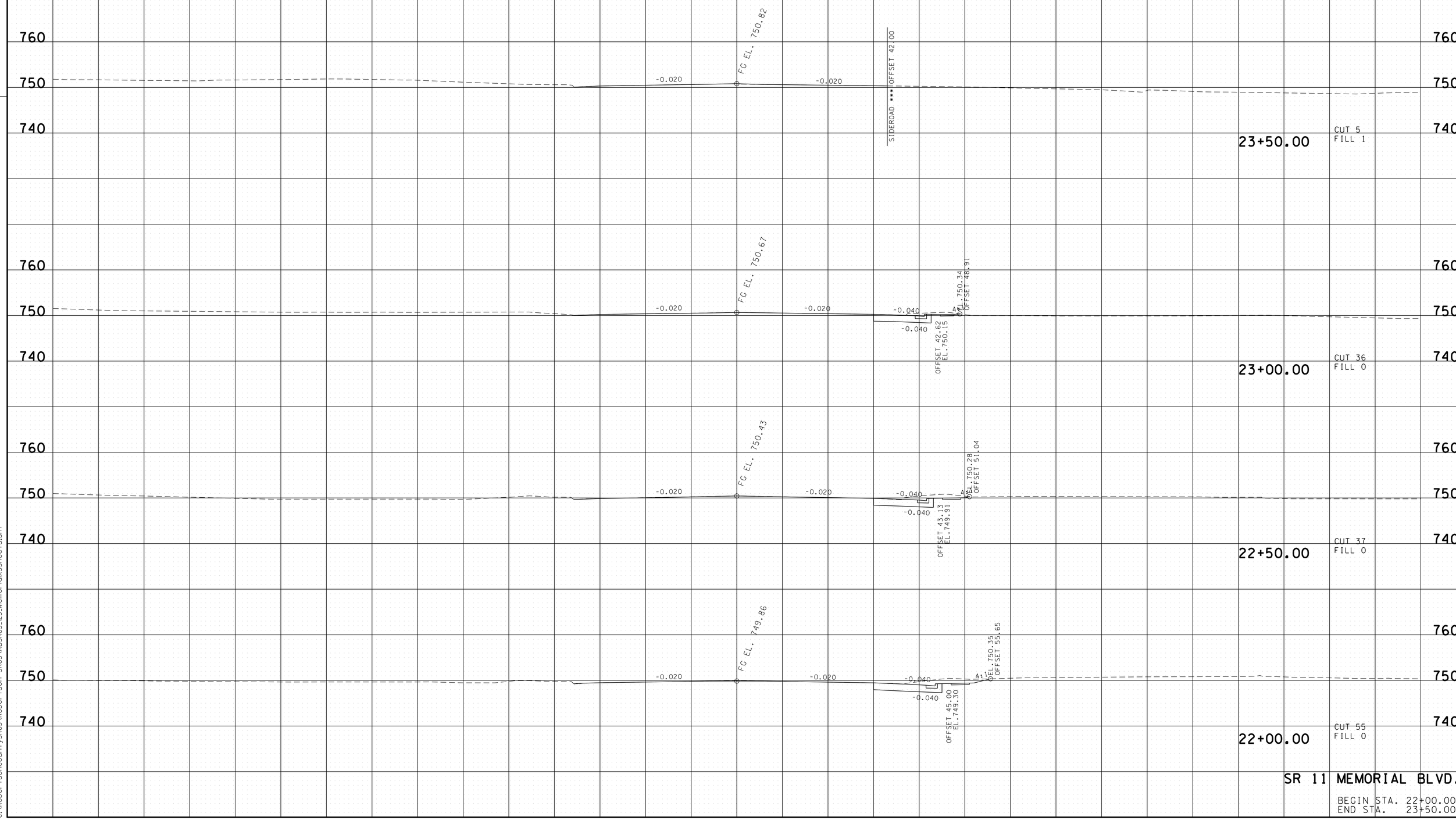
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	151
CONST.	2015	STP/NH/DEMO-65(8)	128

REV. 04/06/11

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 11 MEMORIAL BLVD.

BEGIN STA. 22+00.00
END STA. 23+50.00

19-MAY-2015 09:59
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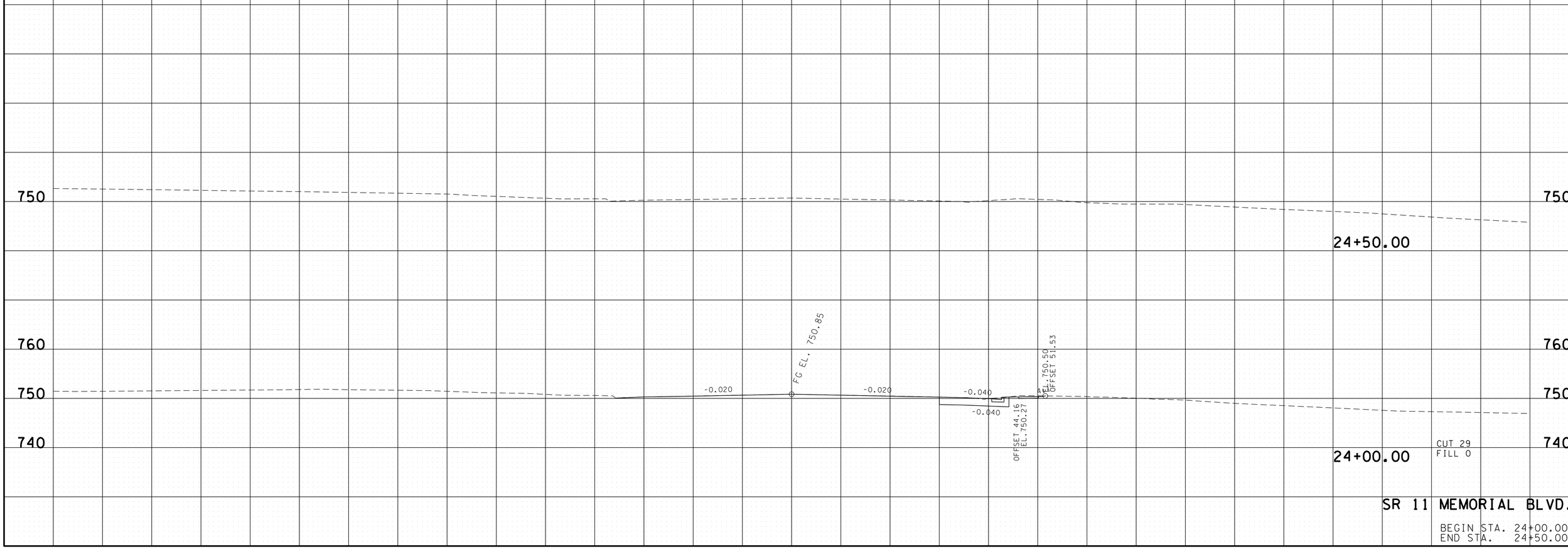
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	152
CONST.	2015	STP/NH/DEMO-65(8)	129

REV. 04/06/11

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



SR 11 MEMORIAL BLVD.

BEGIN STA. 24+00.00
END STA. 24+50.00

19-MAY-2015 09:59
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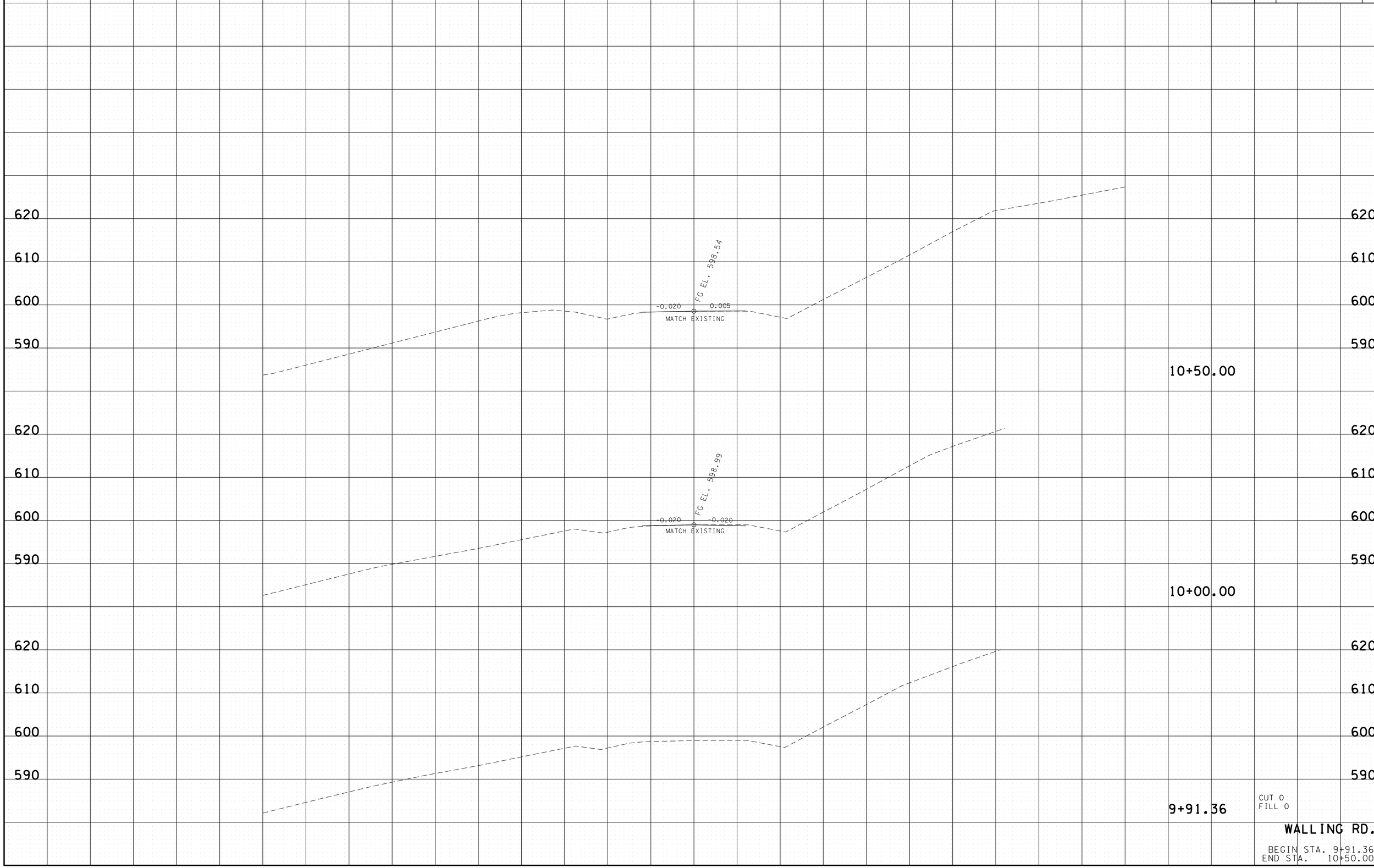
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	130
CONST.	2015	STP/NH/DEMO-65(8)	130



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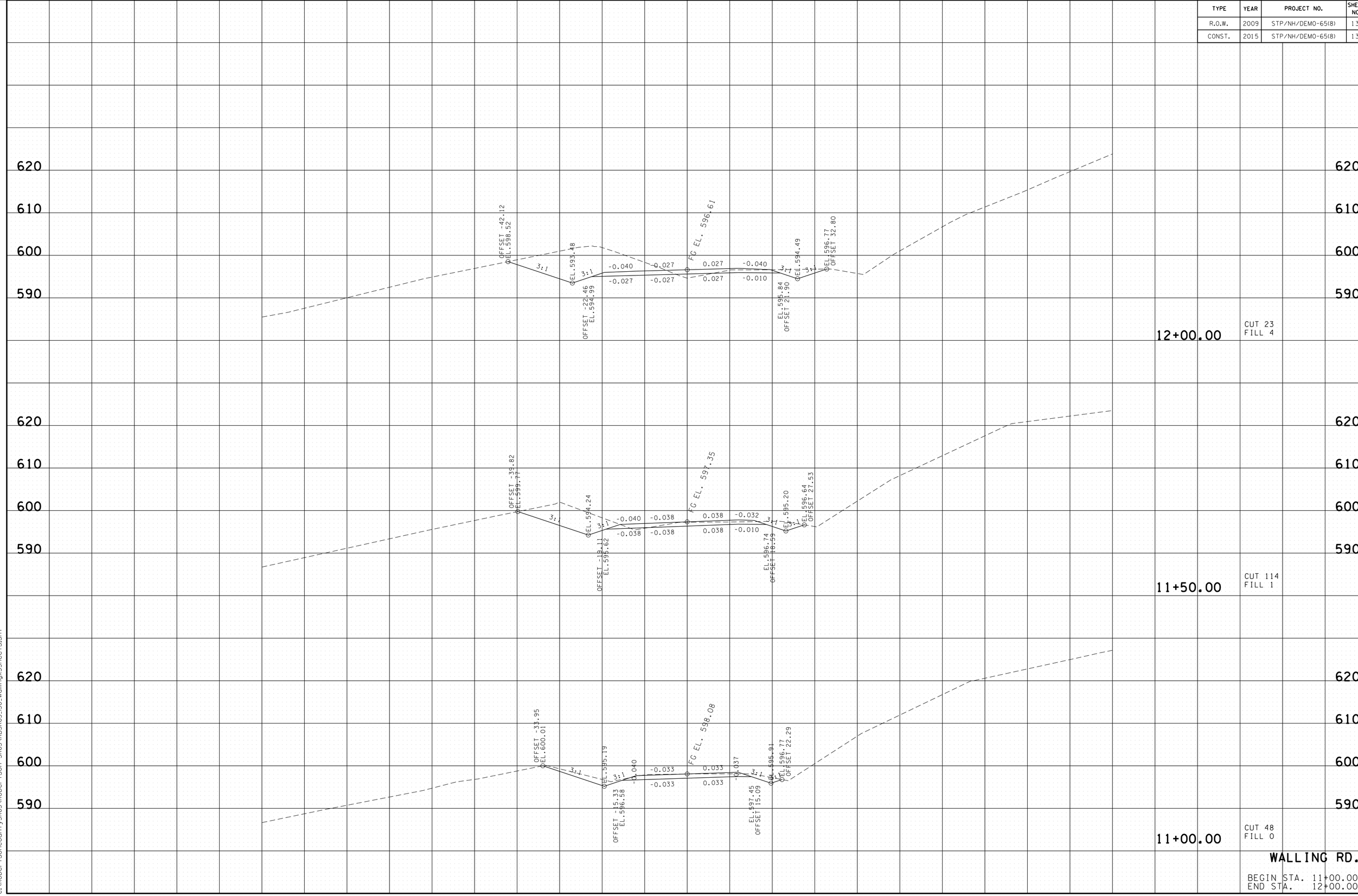
C:\RobertsonCountySR65\Robertson SR65\RBSR65_130_WallingXSSheets.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	131
CONST.	2015	STP/NH/DEMO-65(8)	131

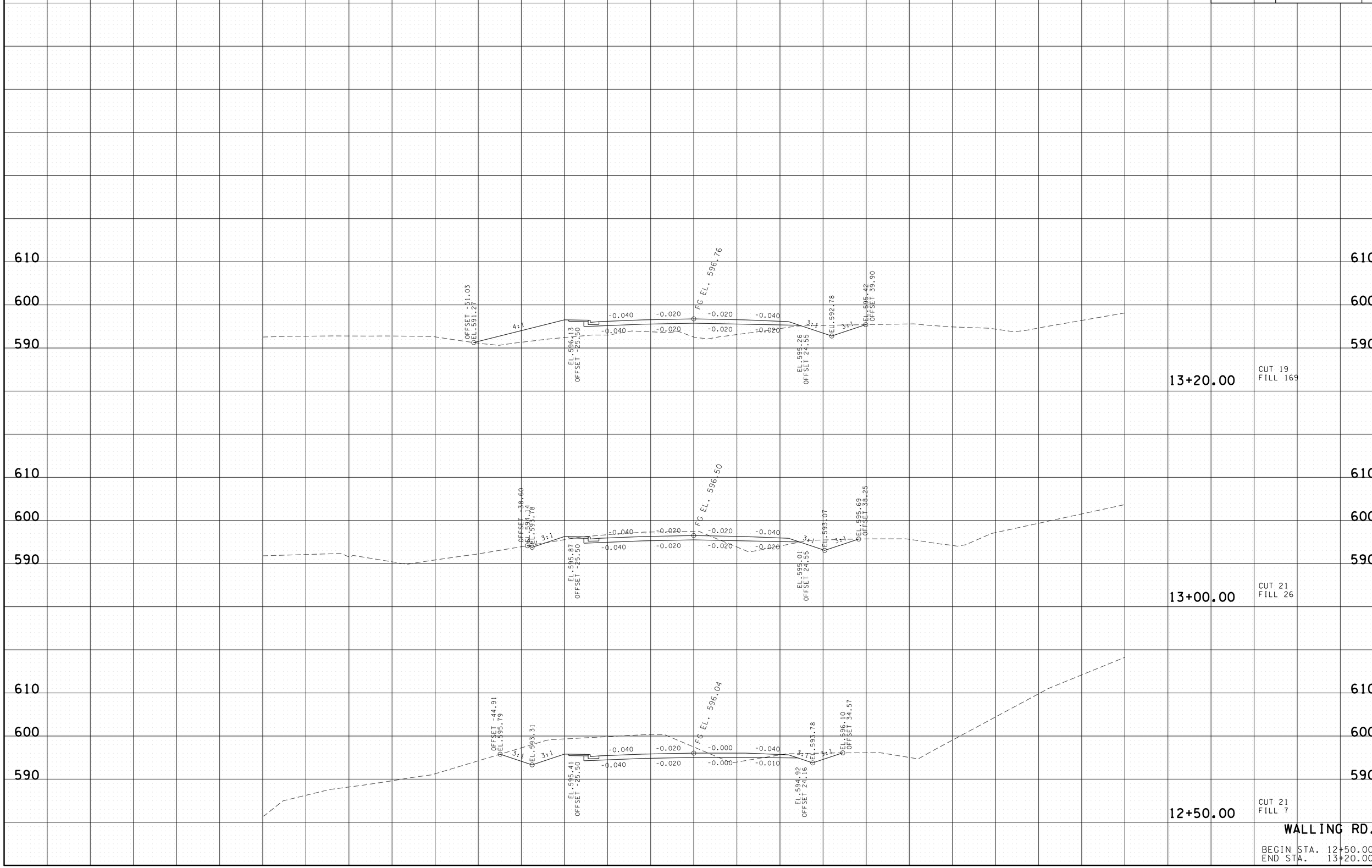


WALLING RD.

BEGIN STA. 11+00.00
END STA. 12+00.00

19-MAY-2015 09:59
C:\RobertsonCountySR65\Robertson SR65\RBSR65_130_WallingXSSheets.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	STP/NH/DEMO-65(8)	132

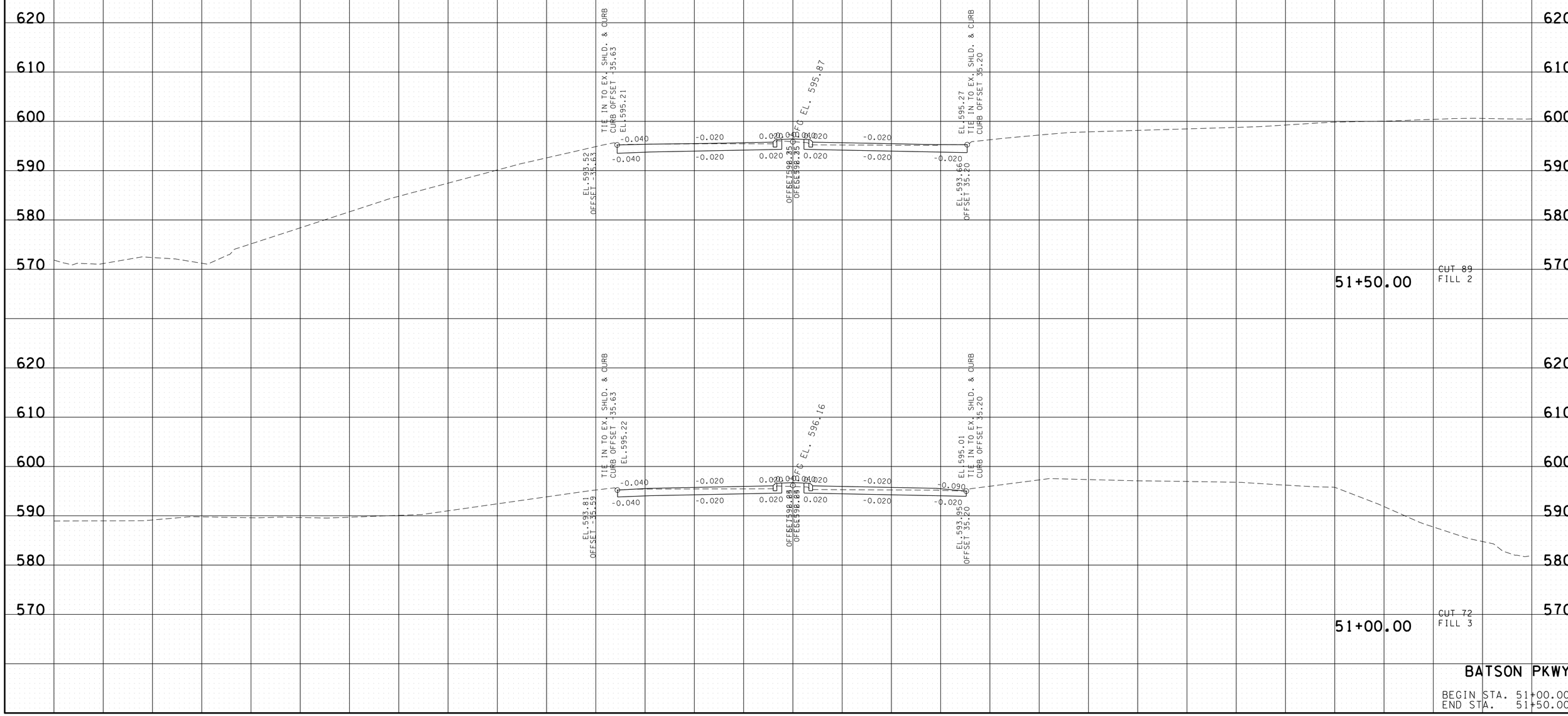


WALLING RD.

BEGIN STA. 12+50.00
END STA. 13+20.00

19-MAY-2015 09:59
C:\RobertsonCountySR65\Robertson SR65\RBSR65_130_WallingXSSheets.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	132
CONST.	2015	STP/NH/DEMO-65(8)	133

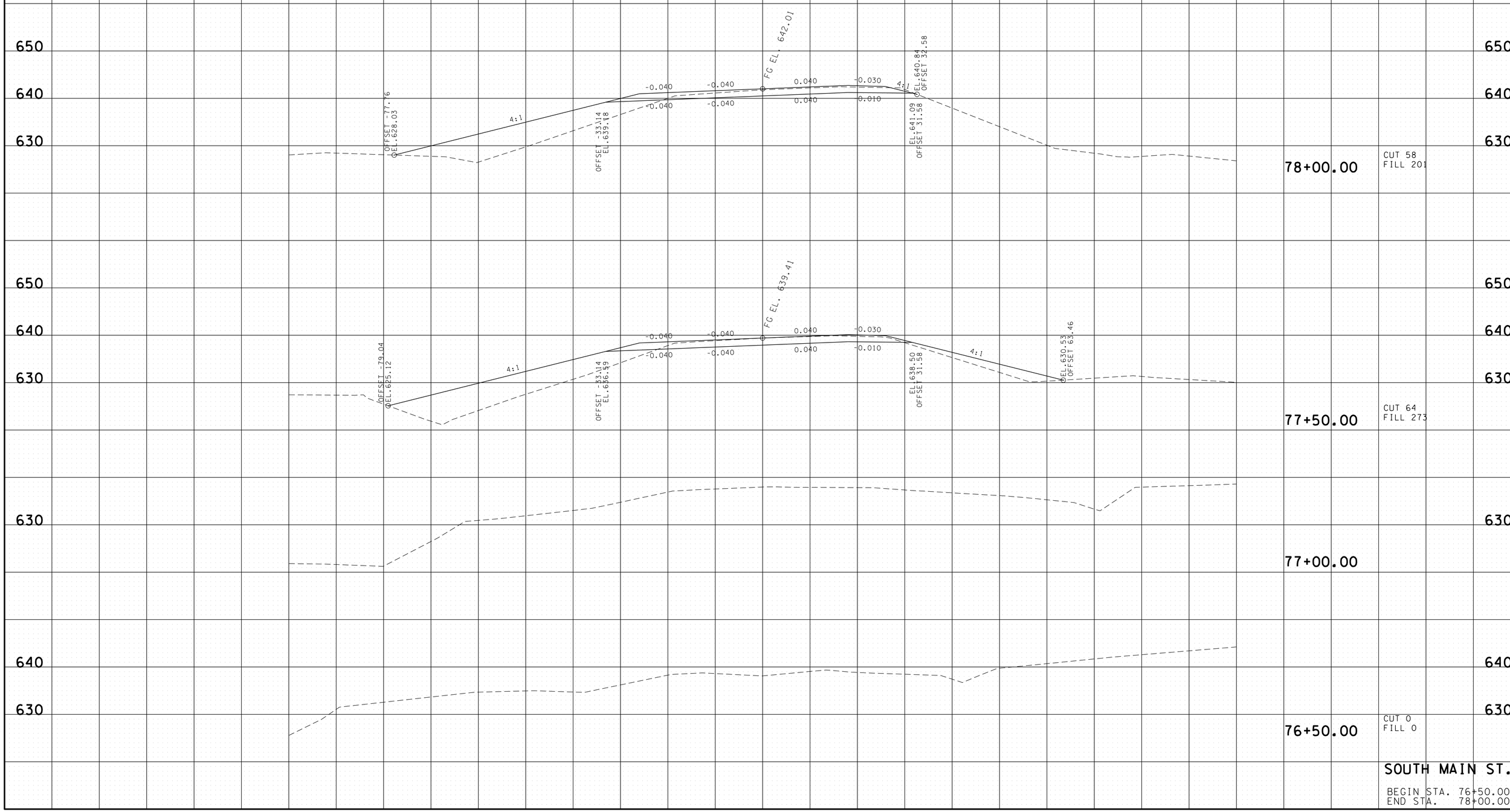


BATSON PKWY

BEGIN STA. 51+00.00
END STA. 51+50.00

19-MAY-2015 09:59
C:\RobertsonCountySR65\Robertson SR65\RBSR65.133_BatsonXSSheets.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	133
CONST.	2015	STP/NH/DEMO-65(8)	134

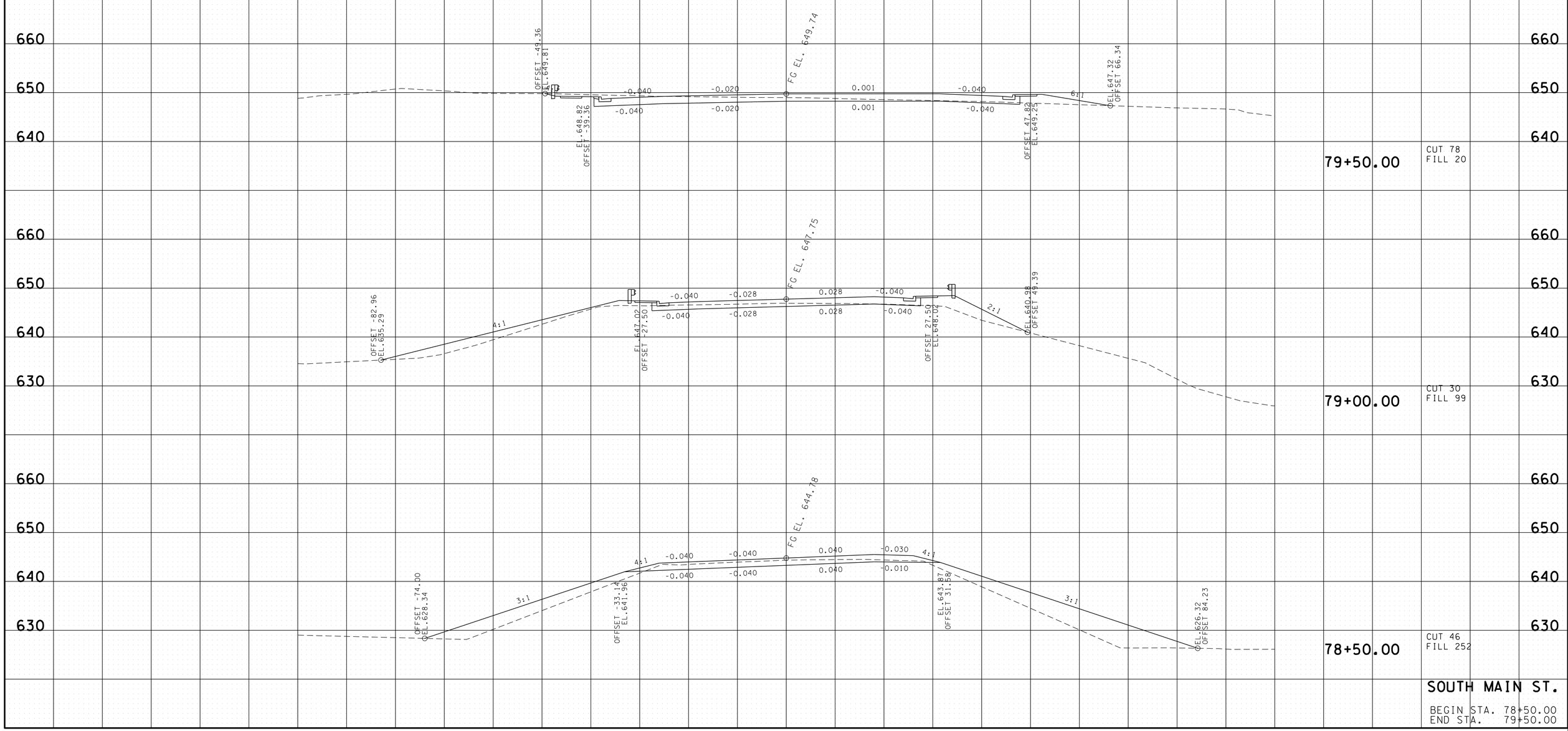


SOUTH MAIN ST.

BEGIN STA. 76+50.00
END STA. 78+00.00

19-MAY-2015 09:59
C:\RobertsonCountySR65\Robertson SR65\RBSR65_134_SouthMainXSSheets.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	134
CONST.	2015	STP/NH/DEMO-65(8)	135

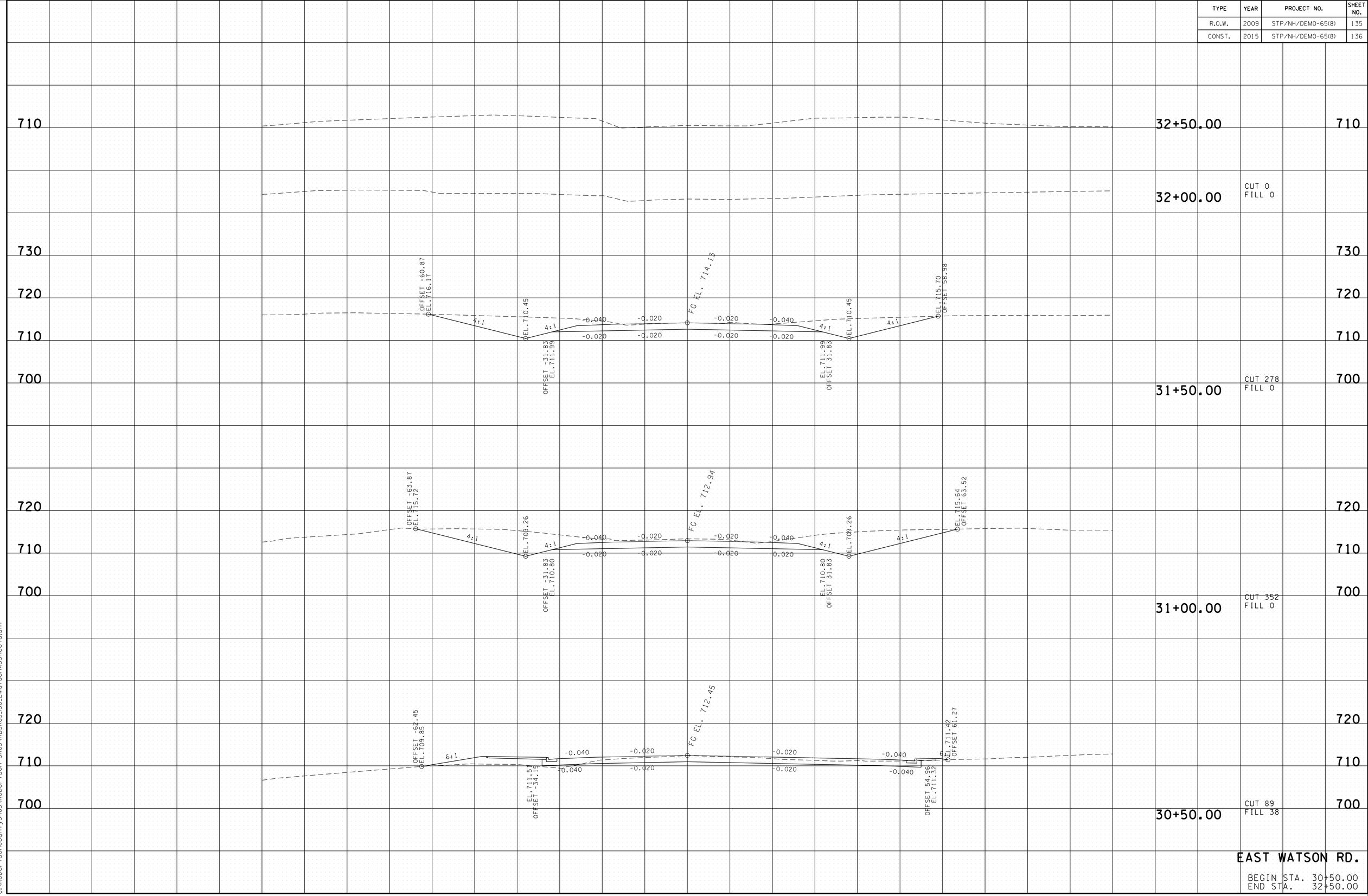


SOUTH MAIN ST.

BEGIN STA. 78+50.00
END STA. 79+50.00

19-MAY-2015 09:59
C:\RobertsonCountySR65\Robertson SR65\RBSR65_134_SouthMainXSSheets.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	135
CONST.	2015	STP/NH/DEMO-65(8)	136

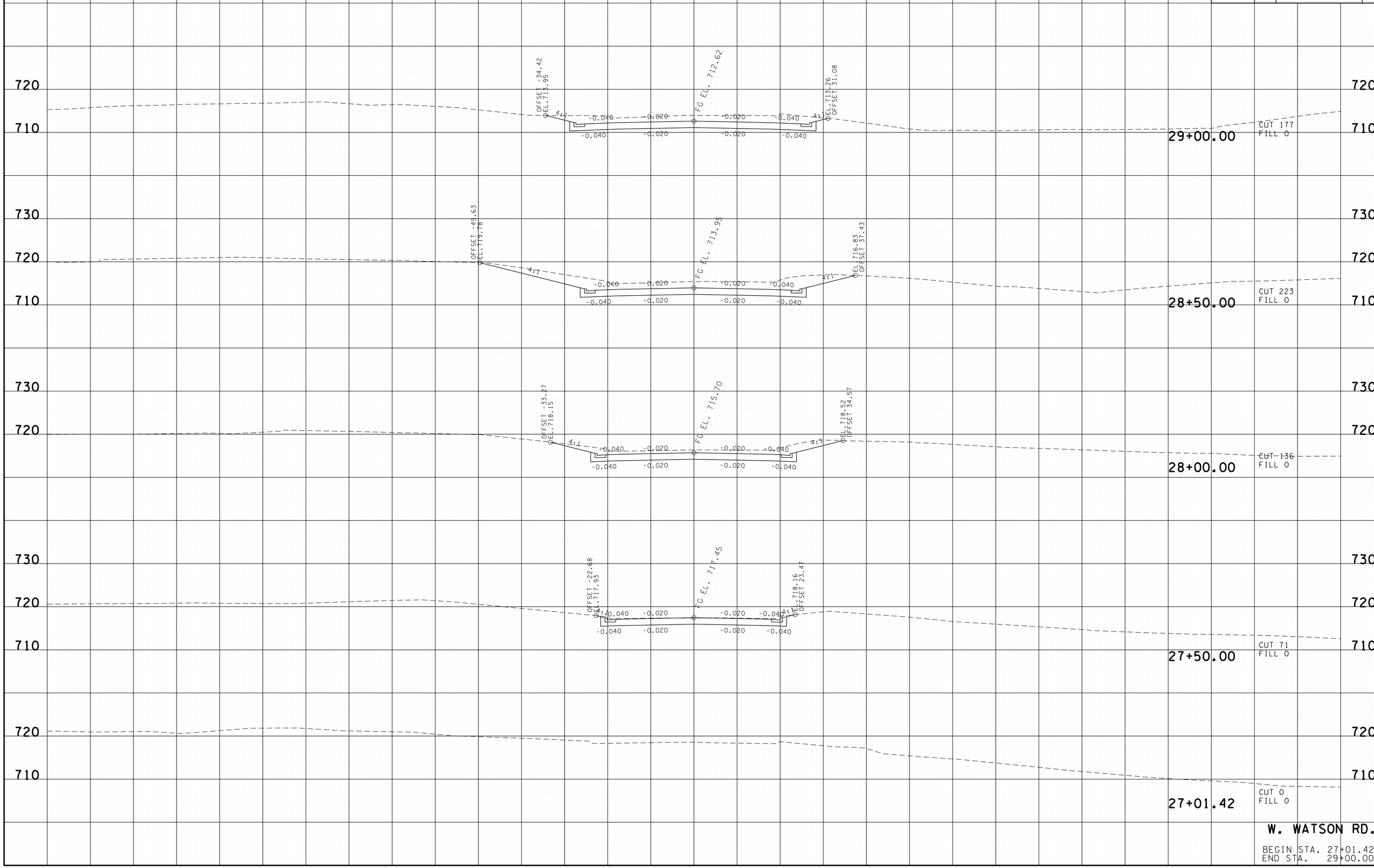


EAST WATSON RD.

BEGIN STA. 30+50.00
END STA. 32+50.00

19-MAY-2015 09:59
C:\RobertsonCountySR65\Robertson SR65\RBSR65_136_EWatsonXSSheets.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	136
CONST.	2015	STP/NH/DEMO-65(8)	137

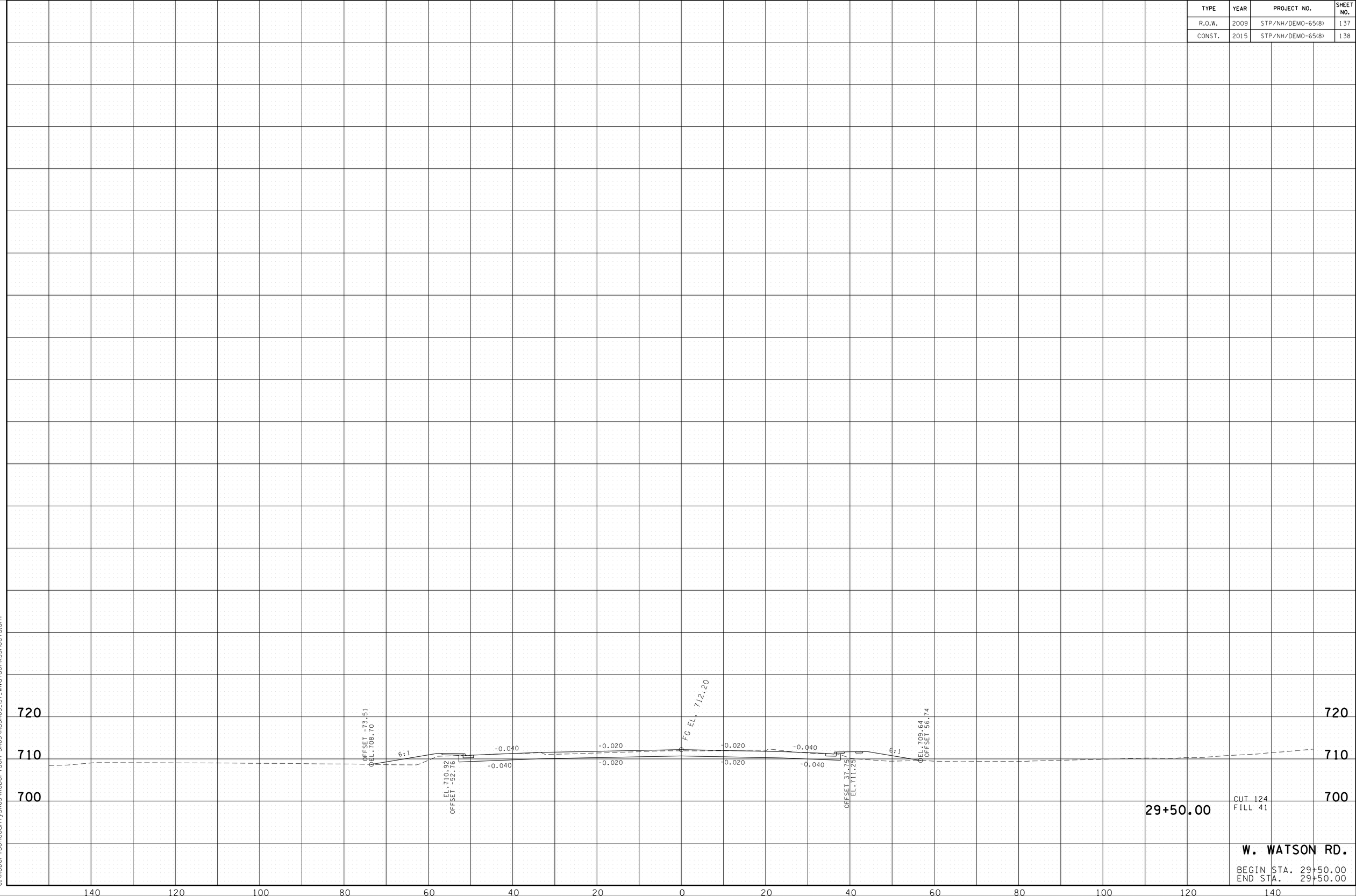


W. WATSON RD.

BEGIN STA. 27+01.42
END STA. 29+00.00

19-MAY-2015 09:59
C:\RobertsonCountySR65\Robertson SR65\RBSR65_137_WWatsonXSSheets.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	137
CONST.	2015	STP/NH/DEMO-65(8)	138



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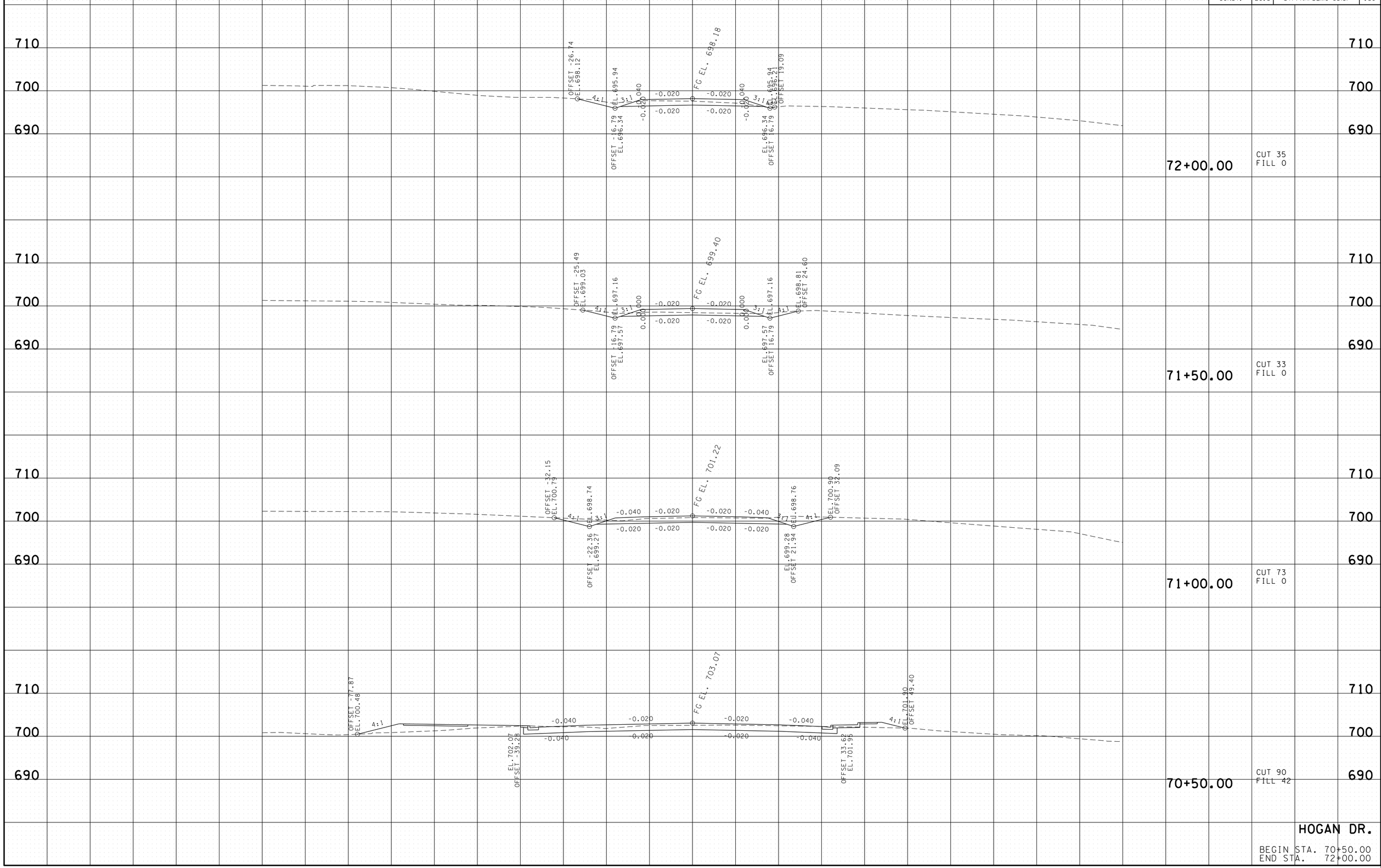
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	138
CONST.	2015	STP/NH/DEMO-65(8)	139



HOGAN DR.

BEGIN STA. 70+50.00
END STA. 72+00.00

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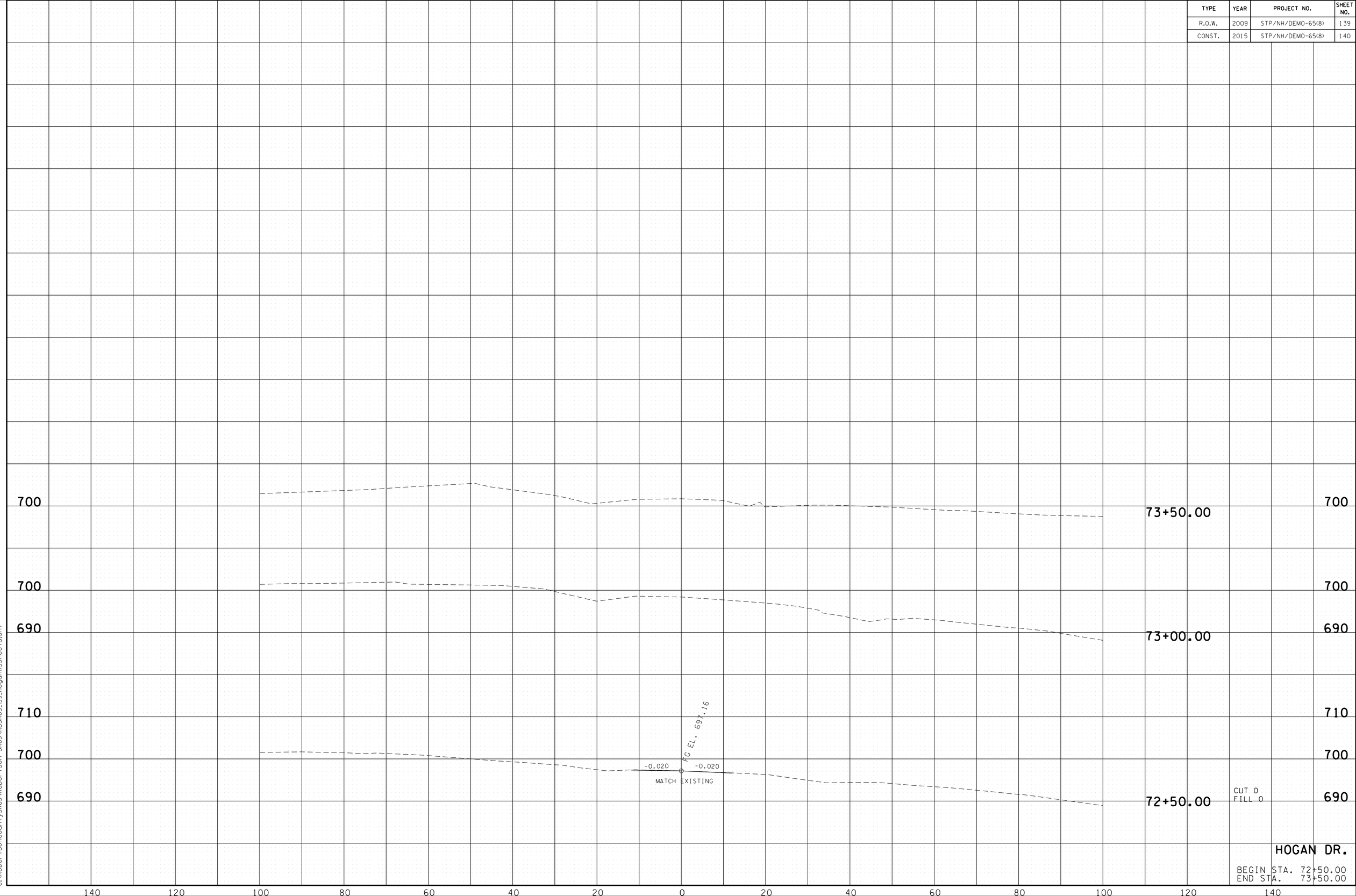
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	139
CONST.	2015	STP/NH/DEMO-65(8)	140



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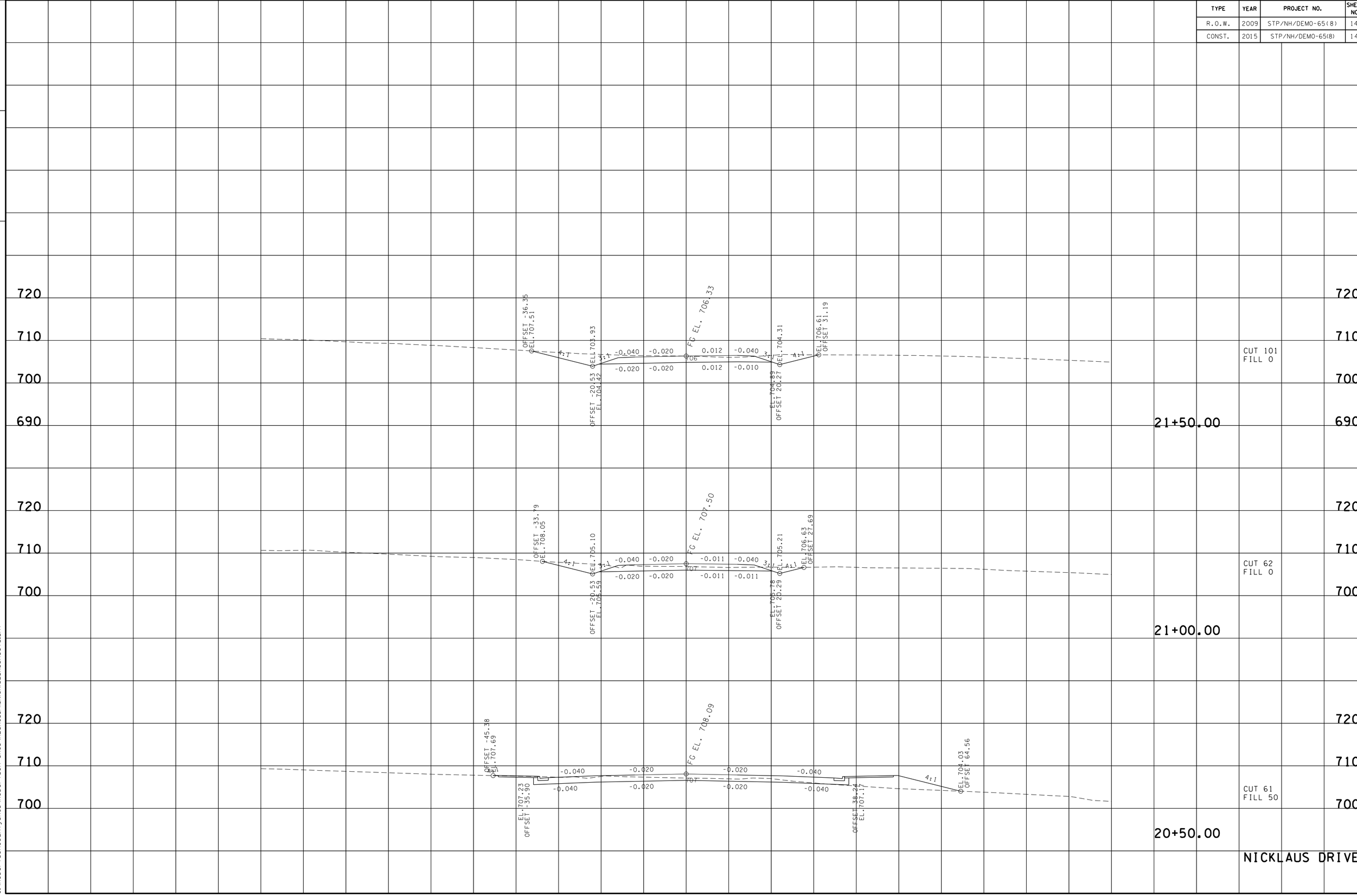
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	140
CONST.	2015	STP/NH/DEMO-65(8)	141



TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

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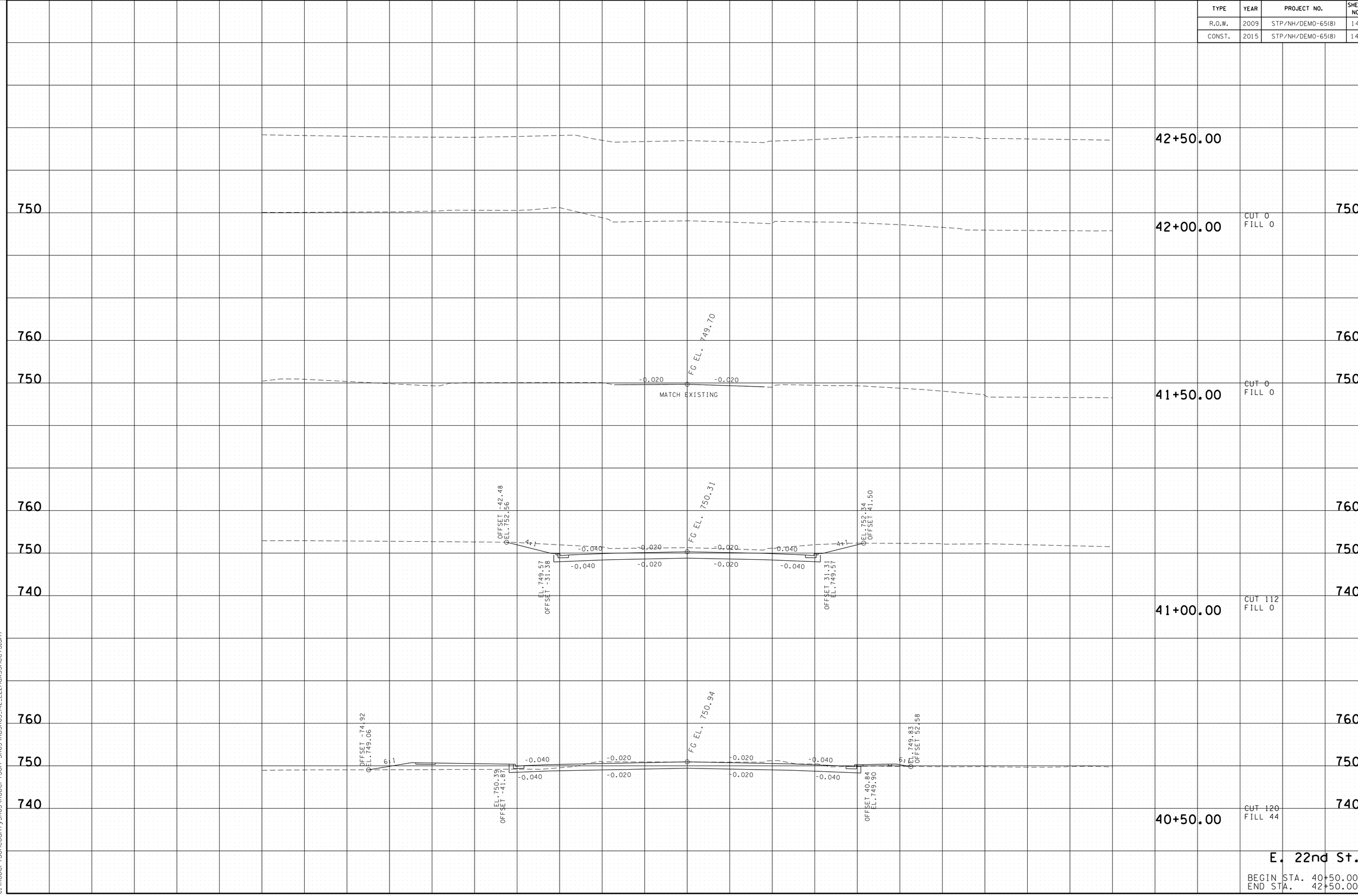
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	141
CONST.	2015	STP/NH/DEMO-65(8)	142



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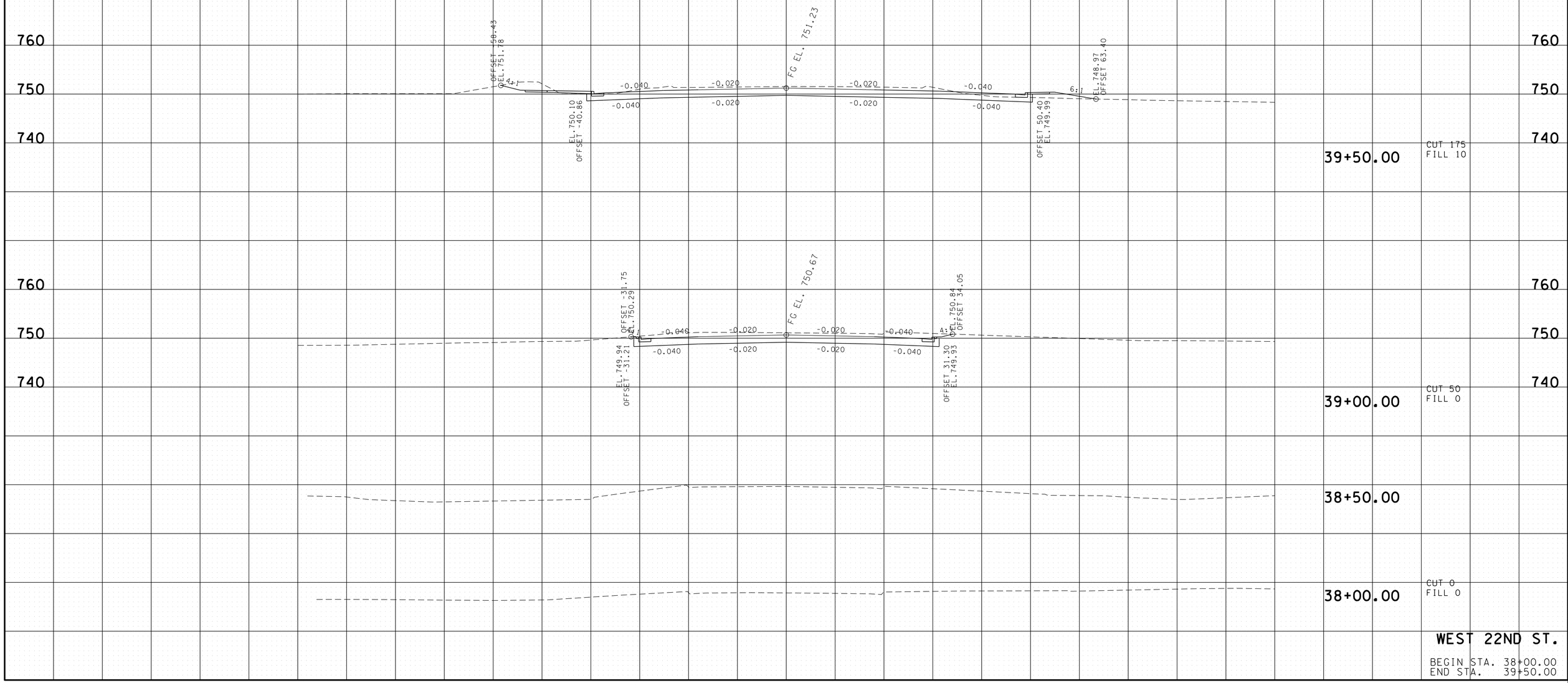
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	142
CONST.	2015	STP/NH/DEMO-65(8)	143



WEST 22ND ST.

BEGIN STA. 38+00.00
END STA. 39+00.00

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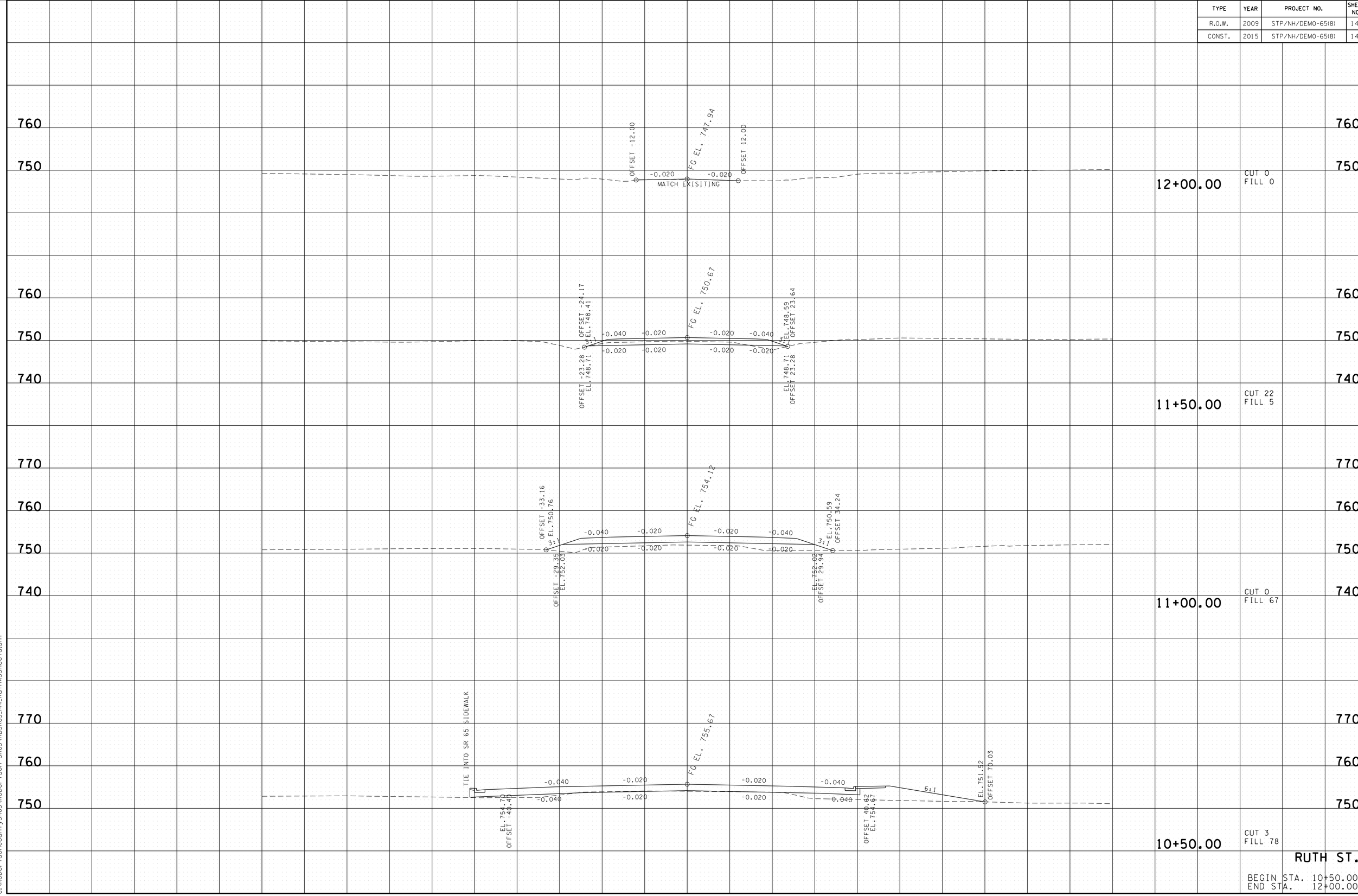
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	143
CONST.	2015	STP/NH/DEMO-65(8)	144



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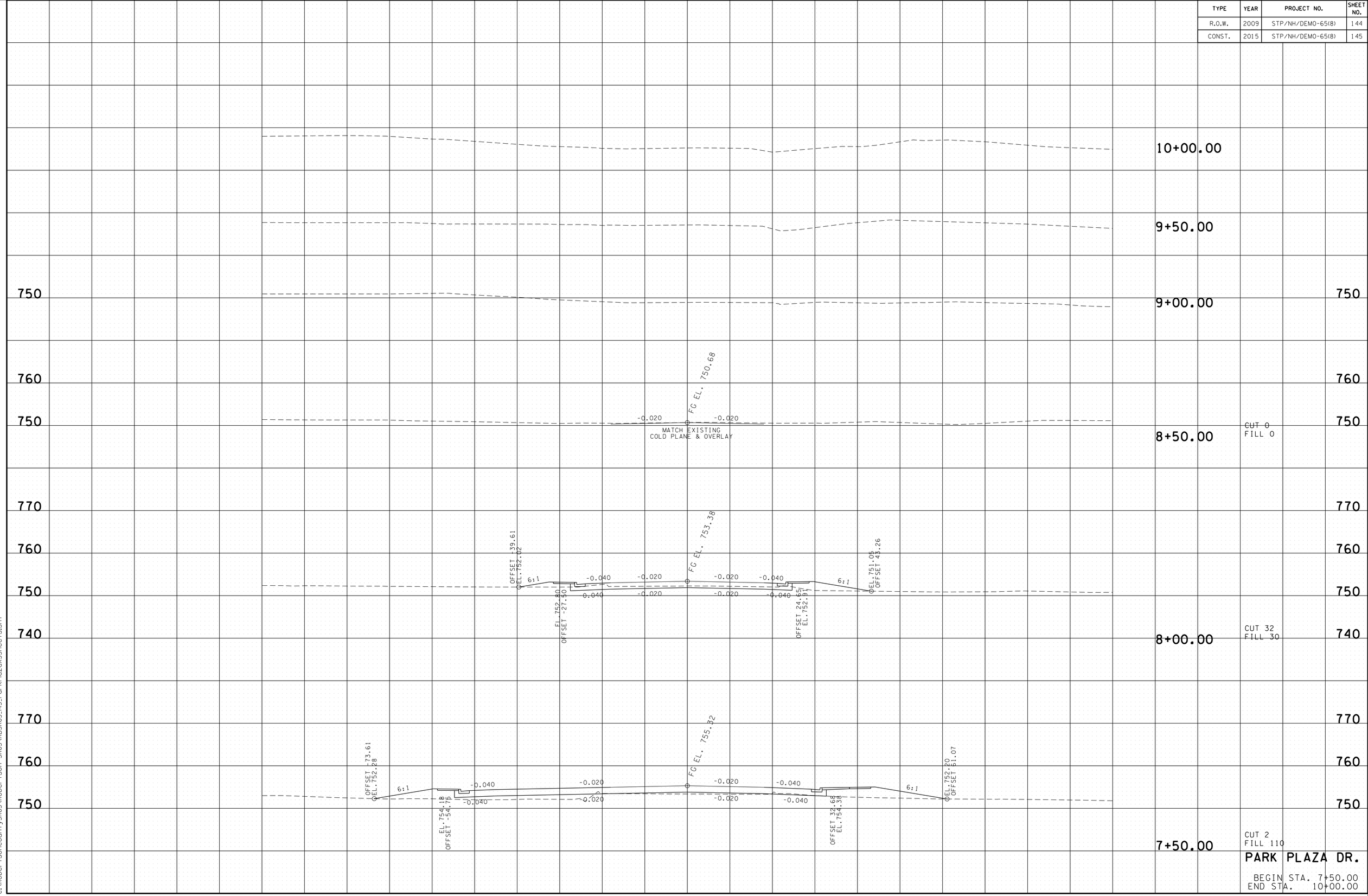
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	144
CONST.	2015	STP/NH/DEMO-65(8)	145



PARK PLAZA DR.

BEGIN STA. 7+50.00
END STA. 10+00.00

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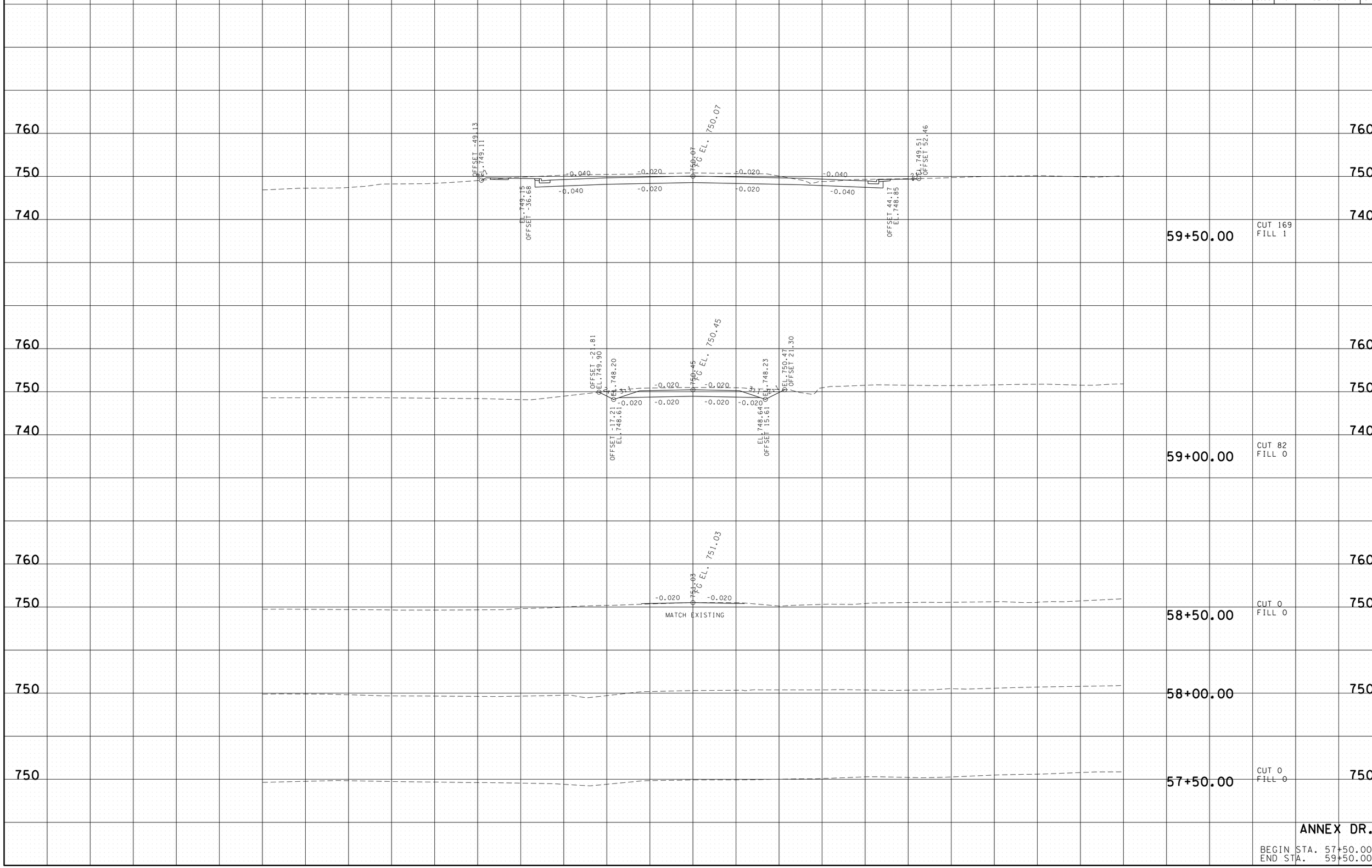
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	STP/NH/DEMO-65(8)	145
CONST.	2015	STP/NH/DEMO-65(8)	146



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