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

Index Of Sheets
See Sheet 1A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

REV. 10-10-12: ADDED SHEET 10 TO LOCATION MAP. UPDATED SIGNATURES FOR CHIEF ENGINEER AND COMMISSIONER. REV. INDEX, SURVEY UPDATE, END OF PROJECT AND ROW LENGTH. REVISED FED. AID PROJ. NO. FROM HPP-62(34) TO HPP/STP-62(34). APPLY REVISED FED. AID PROJ. NO. TO ALL SHEETS.

TENN.	YEAR	SHEET NO.
	2016	1
FED. AID PROJ. NO.	HPP/STP/NH-62(34)	
STATE PROJ. NO.	47023-3264-14	

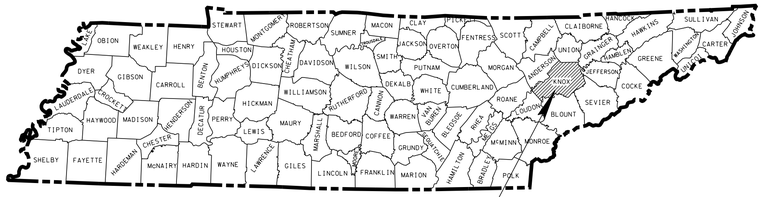
KNOX COUNTY

STATE ROUTE 62 (WESTERN AVE.)
FROM: 525'± EAST OF TEXAS AVE.
TO: MAJOR AVE.

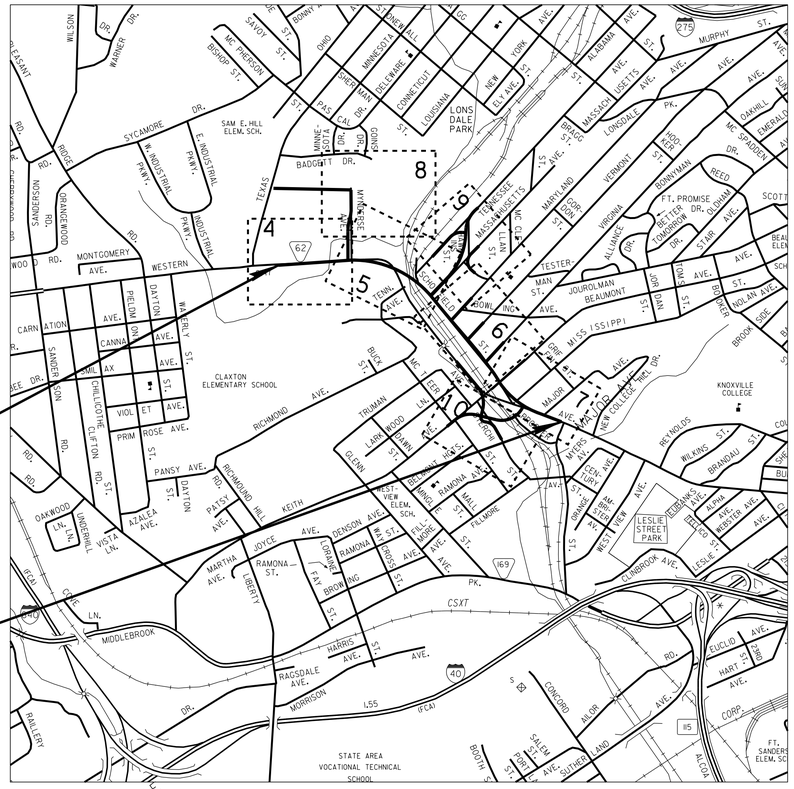
CONSTRUCTION

STATE HIGHWAY NO. 62 F.A.H.S. NO. 62

GRADING, DRAINAGE, BRIDGES, PAVING, RETAINING WALLS, SIGNING, STRIPING AND SIGNALS



PROJ. NO. HPP/STP/NH-62(34)
KNOX COUNTY



47023-3264-14
BEG. PROJ. NO. HPP/STP/NH-62(34) (CONST.)
STA. 102+99.69

47023-3264-14
END PROJ. NO. HPP/STP/NH-62(34) (CONST.)
STA. 147+03.59

SCALE: 1"= 1000'

N

NO EQUATIONS
NO EXCLUSIONS

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

ORIGINAL SURVEY
08-16-2002

SURVEY UPDATE
7-05-2012

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

DATE:

APPROVED:
JOHN SCHROER, COMMISSIONER

SPECIAL NOTES

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

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

TDOT C.E. MANAGER 1 JAMES KELLEY, P.E.
DESIGNED BY NEEL-SCHAFFER, INC.
DESIGNER STEVEN C. LAMM, P.E. CHECKED BY MICHAEL AGNEW, P.E.
P.E. NO. 47023-1257-14
PIN NO. 101204.00

ROADWAY LENGTH	0.719 MILES
BRIDGE LENGTH	0.115 MILES
BOX BRIDGE LENGTH	0.000 MILES
PROJECT LENGTH	0.834 MILES

TRAFFIC DATA	
ADT (2017)	16,410
ADT (2037)	21,990
DHV (2037)	2530
D	50 - 50
T (ADT)	3 %
T (DHV)	11 %
V	45 mph

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR DATE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	1A

INDEX

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STANDARD BRIDGE DRAWINGS

DWG. NO.	REV.	DESCRIPTION
STD-15-16A		LOW FLOW CHANNEL CONSTRUCTION DETAILS FOR CULVERT INLET AND OUTLET
STD-15-10	11-06-08	WINGWALL DIMENSIONS AND QUANTITIES
STD-15-42		BOX BRIDGE, 1 BARREL AT 14', CLEAR HTS. 5' - 7', 0 - 60' FILL
STD-17-11		WINGWALL DIMENSIONS AND QUANTITIES
STD-17-54		BOX BRIDGE, 1 BARREL AT 10', CLEAR HTS. 4' - 6', 0 - 60' FILL

STANDARD ROADWAY DRAWINGS

ROADWAY DESIGN STANDARDS

DWG. NO	REV.	DESCRIPTION
RD-A-1	12-18-99	STANDARD ABBREVIATIONS
RD-L-1	10-26-94	STANDARD LEGEND
RD-L-2	09-05-01	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-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-L-8		STANDARD LEGEND FOR NATURAL STREAM DESIGN
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-3		INTERSECTION SIGHT DISTANCE 2-LANE ROADWAYS
RD01-SD-4		INTERSECTION SIGHT DISTANCE 5-LANE AND 4-LANE UNDIVIDED ROADWAYS
RD01-SE-2	10-15-02	URBAN SUPERELEVATION DETAILS
RD01-TS-1	02-05-16	DESIGN STANDARDS FOR LOCAL ROADS AND STREETS
RD01-TS-1A	02-05-16	DESIGN STANDARDS FOR LOW-VOLUME LOCAL ROADS (ADT<=400)
RD01-TS-2	10-15-02	DESIGN STANDARDS FOR COLLECTOR ROADS AND STREETS
RD01-TS-6	01-25-16	TYPICAL CURB AND GUTTER SECTIONS WITH SHOULDER
RD01-TS-6A	07-31-13	TYPICAL CURB AND GUTTER SECTIONS WITHOUT SHOULDER
RD01-TS-7A	10-15-02	DESIGN STANDARDS 2-LANE CURB & GUTTER WITH CONTINUOUS 2-WAY LEFT-TURN LANE

DRAINAGE - CULVERTS AND ENDWALL

DWG. NO	REV.	DESCRIPTION
D-PB-1	01-02-13	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PE-1	02-12-76	TYPE "A" CONCRETE ENDWALL 2:1 SLOPE, 36" TO 78"
D-PE-4	02-03-16	STRAIGHT TYPE CONCRETE ENDWALL
D-PE-18A	01-06-15	18" CONCRRETE ENDWALL CROSS DRAIN
D-PE-18B		18" CONCRRETE ENDWALL CROSS DRAIN
D-PE-24A		24" CONCRRETE ENDWALL CROSS DRAIN
D-PE-24B		24" CONCRRETE ENDWALL CROSS DRAIN
D-PE-30A	01-21-16	30" CONCRRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
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

DRAINAGE-CATCH BASINS AND MANHOLES

DWG. NO	REV.	DESCRIPTION
D-CB-12LP	08-01-12	LOW PROFILE 32" X 32" SQUARE CONCRETE NO. 12LP CATCH BASIN
D-CB-12P	03-11-14	STANDARD PRECAST RECTANGULAR CONCRETE NO. 12 CATCH BASIN
D-CB-12RA	03-11-14	STANDARD PRECAST 48" CIRCULAR NO. 12 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-12RB	03-11-14	STANDARD PRECAST 60" AND 72" CIRCULAR NO. 12 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-12RC	03-11-14	STANDARD PRECAST 84" THRU 120" CIRCULAR NO. 12 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-12S	03-11-14	STANDARD RECTANGULAR CONCRETE NO. 12 CATCH BASIN
D-CB-12SB	03-11-14	STANDARD 4' X 4' SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-12SC	03-11-14	STANDARD 5'2" X 5'2" SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-12SD	03-11-14	STANDARD 7' X 7' SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-12SE	03-11-14	STANDARD 9' X 9' SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-14P	03-11-14	STANDARD PRECAST RECTANGULAR CONCRETE NO. 14 CATCH BASIN
D-CB-14RB	03-11-14	STANDARD PRECAST CIRCULAR NO. 14RB CATCH BASIN
D-CB-14S	03-11-14	STANDARD RECTANGULAR CONCRETE NO. 14 CATCH BASIN
D-CB-14SE	03-11-14	STANDARD 9' X 9' SQUARE CONCRETE NO. 14 CATCH BASIN
D-CB-16S	03-11-14	STANDARD RECTANGULAR CONCRETE NO. 16 CATCH BASIN
D-CB-38RB	03-11-14	STANDARD PRECAST CIRCULAR NO. 38 CATCH BASIN
D-CB-38S	08-01-12	STANDARD 32" X 32" SQUARE CONCRETE NO. 38 CATCH BASIN
D-CB-42S	03-11-14	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

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INDEX AND STANDARD DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	1A1

STANDARD ROADWAY DRAWINGS

DRAINAGE-CATCH BASINS AND MANHOLES

D-CB-42SC	03-11-14	STANDARD 5'2" X 5'2" SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-42SD	03-11-14	STANDARD 7' X 7' SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-99	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 STRUCTURES
D-CBB-12A	05-27-01	TYPE "B" CAST IRON FRAME, GRATE & NONMOUNTABLE INLET DETAILS FOR NOS. 10, 12, 14, 16, & 17 TYPE CATCH BASINS
D-CBB-42	05-27-01	CAST IRON GRATE DETAILS FOR NOS. 42, 43 & 44 TYPE CATCH BASINS
D-MH-2	02-02-16	STANDARD MASONRY & PRECAST NO. 3 MANHOLE
D-MH-3	04-21-14	STANDARD PRECAST CIRCULAR LID DETAILS FOR NO. 3 MANHOLE
D-MH-4	04-01-14	STANDARD NO. 3 MANHOLE CASTINGS AND STEPS

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	HANDICAP 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-9	01-30-15	PARALLEL HANDICAP RAMP FOR 20' THRU 60' RADIUS
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-NMC-10	07-29-03	STANDARD VERTICAL (NONMOUNTABLE) CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS
RP-NMC-11	02-28-02	STANDARD VERTICAL (NONMOUNTABLE) CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS
RP-R-1	05-27-01	STANDARD RAMPS TO SIDE ROADS
RP-S-7	02-05-16	DETAILS FOR STANDARD CONCRETE SIDEWALKS

SAFETY APPURTENANCES AND FENCE

S-CC-1	08-26-15	SRASH CUSHION
S-CZ-1		CLEAR ZONE CRITERIA
S-PL-1		SAFETY PLAN AT ROADSIDE HAZARDS
S-PL-2		SAFETY PLAN ST SIDE ROADS OR PRIVATE DRIVES
S-GRC-1		GUARDRAIL CONNECTION TO BRIDGE ENDS OR BARRIER WALL
S-F-1	05-24-12	HIGH VISIBILITY FENCE
S-GR31-1	11-26-07	W-BEAM GUARDRAIL
S-GRT-2	12-01-14	TYPE 38 GUARDRAIL TERMINAL
S-GRT-2P		EARTH PAD FOR TYPE 38 TERMINAL
S-GRT-3		TYPE 21 GUARDRAIL TERMINAL
SGRT-3D		TYPE 21 GUARDRAIL TERMINAL (DETAILS)
S-GRT-4	04-23-15	TYPE 13 GUARDRAIL TERMINAL (TRAILING END)
S-GRA-3	05-01-15	GUARDRAIL ANCHOR FOR TYPE 21, 13 AND IN-LINE TERMINALS
S-GRA-4		IN-LINE GUARDRAIL ANCHOR
S-RP-2	02-08-16	STANDARD CONCRETE RIGHT-OF-WAY MARKERS

TRAFFIC CONTROL APPURTENANCES

T-FAB-1	05-27-97	FLASHING YELLOW ARROW BOARD
T-FO-2		FIBER OPTIC UNDERGROUND ENTRANCE DETAILS
T-FO-4		FIBER OPTIC PULL BOX, CABINET & POLE DETAILS
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	01-30-15	SIGNING AND PAVEMENT MARKINGS FOR URBAN BICYCLE LANES
T-M-13		SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES
T-M-14	11-01-11	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES AT INTERSECTIONS
T-PBR-1	06-30-09	INTERCONNECTED PORTABLE BARRIER RAIL
T-PBR-2	11-01-11	DETAIL FOR VERTICAL PANELS AND FLEXIBLE DELINEATORS
T-RR-6	10-25-13	TYPICAL SIGNING AND MARKING AT PASSIVE RAILROAD HIGHWAY GRADE CROSSINGS
T-S-8	07-15-91	HIGHWAY SHIELDS USED ON STATE NUMBERED ROUTES AND ARROWS
T-S-9	06-10-14	STANDARD LAYOUT GROUND MOUNTED SIGNS
T-S-10	04-04-12	STANDARD MOUNTING DETAILS FLAT SHEET SIGNS ALUMINUM-STEEL DESIGN
T-S-12	07-02-15	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, SQUARE TUBES
T-S-13	07-20-12	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, I-BEAMS
T-S-14	08-17-12	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, WF-BEAMS
T-S-16	07-02-15	GROUND MOUNTED ROADSIDE SIGN AND DETAILS
T-S-16A	07-02-15	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-17	07-02-15	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	07-19-15	STANDARD MEMBERS BENDAWAY SIGN SUPPORTS STEEL DESIGN
T-S-20	11-01-11	SIGN DETAILS
T-SG-2	07-29-04	LOOP LEAD-INS, CONDUIT AND PULL BOXES
T-SG-3A		ALTERNATE DETECTION DETAILS
T-SG-5	12-04-13	CONTROLLER CABINET DETAILS
T-SG-7	11-01-11	SIGNAL HEAD ASSEMBLIES AND PEDESTRIAN PUSH BUTTON SIGNS
T-SG-7A	11-01-11	TYPICAL SIGNAL HEAD PLACEMENT
T-SG-9	12-04-13	DETAILS OF CANTILEVER SIGNAL SUPPORT
T-SG-9A	06-01-14	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-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-30	09-01-05	TRAFFIC CONTROL 2-LANE, 2-WAY DIVERSION (40 MPH OR LESS)

EROSION PREVENTION AND SEDIMENT CONTROL

EC-STR-2	08-01-12	SEDIMENT FILTER BAG
EC-STR-3B	08-01-12	SILT FENCE
EC-STR-3C	08-01-12	SILT FENCE WITH WIRE BACKING
EC-STR-3D	04-01-08	ENHANCED SILT FENCE
EC-STR-3E	04-01-08	SILT FENCE FABRIC JOINING DETAILS
EC-STR-4	08-01-12	ENCHANCED SILT FENCE CHECK (TRAPEZOIDAL DITCH)
EC-STR-6	08-01-12	ROCK CHECK DAM
EC-STR-6A	08-01-12	ENHANCED ROCK CHECK DAM
EC-STR-7	08-01-12	SEDIMENT TRAP WITH CHECK DAM
EC-STR-11	08-01-12	CULVERT PROCTECTION TYPE 1
EC-STR-19	04-01-08	CATCH BASIN PROTECTION
EC-STR-25	08-01-12	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
EC-STR-27	08-01-12	TEMPORARY SLOPE DRAIN AND BERM
EC-STR-33	08-01-12	SUSPENDED PIPE DIVERSON (DOWNSTREAM)
EC-STR-33A	08-01-12	SUSPENDED PIPE DIVERSON (UPSTREAM)
EC-STR-34	08-01-12	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION
EC-STR-37	06-10-14	SEDIMENT TUBE
EC-STR-39A	08-01-12	CURB INLET PROTECTION TYPE 3 & 4
EC-STR-42		CATCH BASIN FILTER ASSEMBLY (TYPE 2)
EC-STR-42A		CATCH BASIN FILTER ASSEMBLY (TYPE 2) SLIPCOVER DETAILS
EC-STR-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

CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INDEX AND STANDARD DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	1B

PROJECT COMMITMENTS

COMMITMENT ID	SOURCE DIVISON	DESCRIPTION	STA. / LOCATION

CONSTRUCTABILITY
FIELD
REVIEW

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PROJECT
COMMITMENTS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	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
	202-01	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
	202-04.50	REMOVAL OF STRUCTURES (15.5'X4' BOX, MYNDERSE STA. 12+23)	LS	1
	202-04.51	REMOVAL OF STRUCTURES (14'X3' BOX, RT. SR 62 STA. 120+28)	LS	1
1	202-06.01	REMOVAL OF BUILDINGS (TRACT NO. 5)	LS	1
1	202-06.02	REMOVAL OF BUILDINGS (TRACT NO. 6)	LS	1
1	202-06.03	REMOVAL OF BUILDINGS (TRACT NO. 8)	LS	1
1	202-06.04	REMOVAL OF BUILDINGS (TRACT NO. 9)	LS	1
1	202-06.05	REMOVAL OF BUILDINGS (TRACT NO. 11)	LS	1
1	202-06.06	REMOVAL OF BUILDINGS (TRACT NO. 21)	LS	1
1	202-06.07	REMOVAL OF BUILDINGS (TRACT NO. 24)	LS	1
1	202-06.08	REMOVAL OF BUILDINGS (TRACT NO 25.)	LS	1
1	202-06.09	REMOVAL OF BUILDINGS (TRACT NO. 26)	LS	1
1	202-06.10	REMOVAL OF BUILDINGS (TRACT NO. 27)	LS	1
1	202-06.11	REMOVAL OF BUILDINGS (TRACT NO. 36)	LS	1
1	202-06.12	REMOVAL OF BUILDINGS (TRACT NO. 37)	LS	1
1	202-06.13	REMOVAL OF BUILDINGS (TRACT NO. 39)	LS	1
1	202-06.14	REMOVAL OF BUILDINGS (TRACT NO. 40)	LS	1
1	202-06.15	REMOVAL OF BUILDINGS (TRACT NO. 41)	LS	1
1	202-06.16	REMOVAL OF BUILDINGS (TRACT NO. 57)	LS	1
1	202-06.17	REMOVAL OF BUILDINGS (TRACT NO. 58)	LS	1
1	202-06.18	REMOVAL OF BUILDINGS (TRACT NO. 67)	LS	1
1	202-06.19	REMOVAL OF BUILDINGS (TRACT NO. 75)	LS	1
1	202-06.20	REMOVAL OF BUILDINGS (TRACT NO. 77)	LS	1
1	202-06.21	REMOVAL OF BUILDINGS (TRACT NO. 87)	LS	1
1	202-06.21	REMOVAL OF BUILDINGS (TRACT NO. 88)	LS	1
1	202-06.23	REMOVAL OF BUILDINGS (TRACT NO. 93)	LS	1
1	202-06.24	REMOVAL OF BUILDINGS (TRACT NO. 94)	LS	1
1	202-06.25	REMOVAL OF BUILDINGS (TRACT NO. 116)	LS	1
1	202-06.26	REMOVAL OF BUILDINGS (TRACT NO. 119)	LS	1
1	202-06.27	REMOVAL OF BUILDINGS (TRACT NO. 124)	LS	1
1	202-06.28	REMOVAL OF BUILDINGS (TRACT NO. 152)	LS	1
1	202-06.29	REMOVAL OF BUILDINGS (TRACT NO. 153)	LS	1
	202-09.11	REMOVAL OF UNDERGROUND TANKS (TRACT NO. 93)	LS	1
2	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	67611
2	203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	222
2	203-03	BORROW EXCAVATION (UNCLASSIFIED)	C.Y.	10800
3	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	
3	203-06	WATER	M.G.	137
	204-08	FOUNDATION FILL MATERIAL	C.Y.	60
4,5	209-02.05	12" TEMPORARY SLOPE DRAIN	L.F.	850
4,5	209-02.07	18" TEMPORARY SLOPE DRAIN	L.F.	380
4,5	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	16590
4,5	209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	13420
4,5	209-08.07	ROCK CHECK DAM	EACH	11
4,5	209-08.08	ENHANCED ROCK CHECK DAM	EACH	42
4,5	209-09.01	SANDBAGS	BAG	600
4,5	209-09.03	SEDIMENT FILTER BAG (15' X 15')	EACH	4
4,5	209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	18
4,5	209-10.20	TEMPORARY SEDIMENT TRAP	C.Y.	1
4,5	209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.	50
4,5	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	48
4.5	209-40.30	CATCH BASIN PROTECTION (TYPE A)	EACH	4
4,5	209-40.42	CATCH BASIN FILTER ASSEMBLY(TYPE 2)	EACH	72
4,5	209-40.43	CATCH BASIN FILTER ASSEMBLY(TYPE 3)	EACH	143
4,5	209-40.44	CATCH BASIN FILTER ASSEMBLY(TYPE 4)	EACH	15
4,5	209-40.46	CATCH BASIN FILTER ASSEMBLY(TYPE 6)	EACH	72
4,5	209-40.47	CATCH BASIN FILTER ASSEMBLY(TYPE 7)	EACH	2
ALT-A	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	41818
ALT-B	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	31594
4,5	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	87
	303-10.04	MINERAL AGGREGATE (SIZE 4)	TON	64

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	1821
	307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	5751
	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	3978
	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	4099
ALT-B	309-01.01	MINERAL AGGREGATE (A-CBC)	TON	9010
ALT-B	309-01.02	PORTLAND CEMENT (A-CBC)	TON	348
ALT-B	309-02	BITUMINOUS MATERIAL (A-CBC)	TON	31
	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	110
	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	221
ALT-A	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	35
ALT-B	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	35
	411-01.10	ACS MIX(PG64-22) GRADING D	TON	2628
	411-02.10	ACS MIX(PG70-22) GRADING D	TON	2210
	604-02.01	CLASS A CONCRETE (BOX BRIDGES)	C.Y.	221
	604-02.02	STEEL BAR REINFORCEMENT (BOX BRIDGES)	LB.	51789
	604-07.01	RETAINING WALL (WALL NO. 1)	S.F.	2911
	604-07.02	RETAINING WALL (WALL NO. 2)	S.F.	3418
	604-07.03	RETAINING WALL (WALL NO. 3)	S.F.	1824
	604-07.04	RETAINING WALL (WALL NO. 4)	S.F.	1030
	604-07.05	RETAINING WALL (WALL NO. 5)	S.F.	1049
	604-07.06	RETAINING WALL (WALL NO.6)	S.F.	1305
	604-07.07	RETAINING WALL (WALL NO. 7)	S.F.	1383
	604-07.08	RETAINING WALL (WALL NO. 8)	S.F.	706
	604-07.09	RETAINING WALL (WALL NO. 9)	S.F.	951
	604-07.10	RETAINING WALL (WALL NO. 10)	S.F.	1387
	604-07.11	RETAINING WALL (WALL NO. 11)	S.F.	2049
	604-07.12	RETAINING WALL (WALL NO. 12)	S.F.	670
32	604-10.90	MISCELLANEOUS BRIDGE ITEMS	LS	1
	607-03.30	18" PIPE CULVERT	L.F.	10034
	607-05.30	24" PIPE CULVERT	L.F.	1374
	607-06.30	30" PIPE CULVERT	L.F.	262
	611-01.02	MANHOLES, > 4' - 8' DEPTH	EACH	1
	611-01.03	MANHOLES, > 8' - 12' DEPTH	EACH	1
	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	10
	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB.	273
	611-07.54	18IN ENDWALL (CROSS DRAIN) 3:1	EACH	4
	611-07.57	24IN ENDWALL (CROSS DRAIN) 3:1	EACH	X
	611-07.60	30IN ENDWALL (CROSS DRAIN) 3:1	EACH	1
	611-07.63	36IN ENDWALL (CROSS DRAIN) 3:1	EACH	1
	611-09.01	ADJUSTMENT OF EXISTING CATCHBASIN	EACH	6
	611-09.03	CAPPING EXISTING CATCHBASIN	EACH	2
	611-12.01	CATCH BASINS, TYPE 12, 0' - 4' DEPTH	EACH	26
	611-12.02	CATCH BASINS, TYPE 12, > 4' - 8' DEPTH	EACH	77
	611-12.03	CATCH BASINS, TYPE 12, > 8' - 12' DEPTH	EACH	3
	611-14.01	CATCH BASINS, TYPE 14, 0' - 4' DEPTH	EACH	1
	611-14.02	CATCH BASINS, TYPE 14, > 4' - 8' DEPTH	EACH	26
	611-14.03	CATCH BASINS, TYPE 14, > 8' - 12' DEPTH	EACH	1
	611-38.02	CATCH BASINS, TYPE 38, 4' - 8' DEPTH	EACH	1
	611-42.01	CATCH BASINS, TYPE 42, 0' - 4' DEPTH	EACH	15
	611-42.02	CATCH BASINS, TYPE 42, > 4' - 8' DEPTH	EACH	6
	621-03.02	18" TEMPORARY DRAINAGE PIPE	L.F.	70
	621-03.06	42" TEMPORARY DRAINAGE PIPE	L.F.	392
	701-01.01	CONCRETE SIDEWALK (4 ")	S.F.	90024
	701-01.02	CONCRETE SIDEWALK (6 ")	S.F.	6124
	701-02	CONCRETE DRIVEWAY	S.F.	4434
	701-02.03	CONCRETE CURB RAMP	S.F.	1710
	702-01	CONCRETE CURB	C.Y.	193
	702-03	CONCRETE COMBINED CURB & GUTTER	C.Y.	1117

*SEE SHT. NO. 2A2 FOR FOOTNOTES

CONSTRUCTABILITY FIELD REVIEW

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DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	2A1

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	705-01.01	GUARDRAIL AT BRIDGE ENDS	L.F.	243
	705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	1350
	705-04.03	GUARDRAIL TERMINAL (TYPE 13)	EACH	3
	705-04.04	GUARDRAIL TERMINAL (TYPE 21)	EACH	10
	705-04.05	GUARDRAIL TERMINAL (TYPE-IN-LINE)	EACH	1
	705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	2
	705-08.50	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-2	EACH	2
	706-01	GUARDRAIL REMOVED	L.F.	360
	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	1520
	708-02.01	MARKERS (CONCRETE R.O.W. POSTS)	EACH	72
	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	374
	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	255
	709-05.08	MACHINED RIP-RAP (CLASS B)	TON	1461
	712-01	TRAFFIC CONTROL	LS	1
	712-01.04	TRAFFIC CONTROL SUPERVISOR	LS	1
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	550
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	250
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	52
	712-05.03	WARNING LIGHTS (TYPE C)	EACH	24
	712-06	SIGNS (CONSTRUCTION)	S.F.	1295
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	360
	712-08.03	ARROW BOARD (TYPE C)	EACH	2
	713-11.01	"U" SECTION STEEL POSTS	LB.	1687
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	591
16	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	479
	713-15.07	SUSPENDED FLAT SHEET ALUMINUM SIGN (0.080" THICK)	EACH	4
15	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	4
	713-16.20	SIGNS (STREET NAME SIGN, MAST ARM MOUNT, PROVIDED BY CITY)	EACH	12
	716-01.07	TEMPORARY RAISED PAVEMENT MARKER, YELLOW	EACH	42
	716-01.21	Snwplwble Pvmt Mrkrs (Bi-Dir)(1 Color)	EACH	132
	716-01.22	Snwplwble Pvmt Mrkrs (Mono-Dir)(1 Color)	EACH	185
6	716-02.03	PLASTIC PAVEMENT MARKING (CROSS-WALK)	L.F.	2640
6	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	125
6	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	680
6	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	38
6	716-02.07	PLASTIC PAVEMENT MARKING (24" BARRIER LINE)	L.F.	150
6	716-03.01	PLASTIC WORD PAVEMENT MARKING (ONLY)	EACH	6
6	716-04.15	PLASTIC PAVEMENT MARKING-BIKE SYMBOL/ARROW	EACH	11
	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	2
	716-05.05	PAINTED PAVEMENT MARKING (STOP LINE)	L.F.	150
	716-05.06	PAINTED PAVEMENT MARKING (TURN LANE ARROW)	EACH	2
	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	0
	716-05.50	PAINTED PAVEMENT MARKINGS(8" LINE)	L.F.	660
	716-12.01	ENHANCED FLATLINE THERMO PVMT MRKNG (4IN LINE)	L.M.	6.4
	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	2
	716-13.01	SPRAY THERMO PVMT MRKNG (60 mil) (4IN LINE)	L.M.	2
	716-13.06	SPRAY THERMO PVMT MRKNG (40 mil) (4IN LINE)	L.M.	1
	717-01	MOBILIZATION	LS	1
31	725-02.16	CONDUIT (STRUCTURES - 2" RGS)	L.F.	655
	725-02.41	FIBER OPTIC TERMINATION SPLICE UNIT	EACH	4
	725-03.60	CABLE MARKER	EACH	6
18	725-05.04	SPLICE ENCLOSURE (UNDER GRADE)	EACH	2
21	725-05.06	FUSION SPLICE	EACH	12
12	730-01.02	REMOVAL OF SIGNAL EQUIPMENT	EACH	1
	730-02.08	SIGNAL HEAD ASSEMBLY (130 POLE MOUNTED)	EACH	1

*SEE SHT. NO. 2A2 FOR FOOTNOTES

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	730-02.09	SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE)	EACH	17
	730-02.17	SIGNAL HEAD ASSEMBLY (150 A2H WITH BACKPLATE)	EACH	10
	730-02.30	SIGNAL HEAD ASSEMBLY (130A3 WITH BACKPLATE)	EACH	1
	730-02.31	SIGNAL HEAD ASSEMBLY (140A1 WITH BACKPLATE)	EACH	4
	730-02.32	SIGNAL HEAD ASSEMBLY (150 A2V, POLE MOUNTED)	EACH	1
	730-02.33	SIGNAL HEAD ASSEMBLY (130 POST MOUNTED)	EACH	1
	730-03.21	INSTALL PULL BOX (TYPE B)	EACH	16
	730-03.23	INSTALL PULL BOX (FIBER OPTIC-TYPE A)	EACH	8
	730-03.24	INSTALL PULL BOX (FIBER OPTIC-TYPE B)	EACH	4
19	730-05.01	ELECTRICAL SERVICE CONNECTION	EACH	4
	730-05.02	SERVICE CABLE (2c, #8 AWG)	L.F.	600
	730-08.03	SIGNAL CABLE - 7 CONDUCTOR	L.F.	2525
	730-08.05	SIGNAL CABLE - 12 CONDUCTOR	L.F.	3360
	730-08.10	SIGNAL CABLE - (EMERGENCY PREEMPT)	L.F.	2755
	730-08.31	INTERCONNECT CABLE (12 FIBER MULTI-MODE)	L.F.	4325
	730-08.40	INTERCONNECT CABLE - FIBER OPTIC (6F, MULTI-MODE DROP CABLE)	L.F.	300
	730-12.02	CONDUIT 2" DIAMETER (PVC)	L.F.	1120
17	730-12.08	CONDUIT 2" DIAMETER (RGS)	L.F.	600
13	730-12.16	CONDUIT (2" SCHEDULE 80 PVC, DIRECTIONAL BORE)	L.F.	4155
	730-12.18	CONDUIT (2" SCHEDULE 80 PVC, TRENCHED)	L.F.	1175
	730-13.03	VEHICLE DETECTOR (4 - CHANNEL, RACK MOUNT)	EACH	8
23	730-13.07	VEHICLE DETECTOR (SIREN ACTIVATED PRIORITY CONTROL)	EACH	4
27	730-13.08	VEHICLE DETECTOR (MYNDERSE AVE)	EACH	1
28	730-13.09	VEHICLE DETECTOR (MASSACHUSETTS AVE)	EACH	1
29	730-13.10	VEHICLE DETECTOR (KEITH AVE)	EACH	2
	730-14.01	SHIELDED DETECTOR CABLE	L.F.	2510
30	730-15.11	MODIFY CABINET (KEITH AVE SIGNAL MODIFICATION)	EACH	1
25	730-15.32	CABINET (EIGHT PHASE BASE MOUNTED)	EACH	4
14	730-16.02	EIGHT PHASE ACTUATED CONTROLLER	EACH	4
22	730-18.01	MASTER CONTROLLER	EACH	1
26	730-23.30	PEDESTAL POLE (8')	EACH	10
26	730-23.31	PEDESTAL POLE (10')	EACH	1
24,26	730-23.36	CANTILEVER SIGNAL SUPPORT (1 ARM @ 50')	EACH	2
24,26	730-23.37	CANTILEVER SIGNAL SUPPORT (1 ARM @ 55')	EACH	1
24,26	730-23.38	CANTILEVER SIGNAL SUPPORT (1 ARM @ 60')	EACH	1
24,26	730-23.39	CANTILEVER SIGNAL SUPPORT (2 @ 35' & 55')	EACH	2
24,26	730-23.96	CANTILEVER SIGNAL SUPPORT (2 @ 45' & 50')	EACH	1
24,26	730-23.97	CANTILEVER SIGNAL SUPPORT (2 @ 55' & 55')	EACH	1
	730-26.05	COUNTDOWN PEDESTRIAN SIGNAL	EACH	16
20	730-26.06	PEDESTRIAN PUSHBUTTON POST	EACH	2
	730-26.09	PEDESTRIAN PUSHBUTTON WITH 15IN SIGN	EACH	16
11	730-35.06	BATTERY BACK-UP AND POWER CONDITIONER	EACH	4
4,5	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	800
4,5	740-11.03	TEMPORARY SEDIMENT TUBE 18IN (DESCRIPTION)	L.F.	5175
4,5	740-11.04	TEMPORARY SEDIMENT TUBE 20IN (DESCRIPTION)	L.F.	1350
4,5	771-11.88	HAY BALES	EACH	2667
	801-01	SEEDING (WITH MULCH)	UNIT	50
4,5	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	35
8	801-03	WATER (SEEDING & SODDING)	M.G.	299
	802-13.02	CALYCANTHUS FLORIDUS (SWEETSHRUB 2-5FT CNTNR GRWN)	EACH	10
	802-13.06	HYDRANGEA QUERCIFOLIA (OAKLF HYDRANGEA 2-5FT CNTNR GRWN)	EACH	10
	802-13.09	LINDERA BENZOIN (SPICEBUSH 2-5FT CNTNR GRWN)	EACH	10
	802-13.54	CORNUS AMOMUM (SILKY DOGWOOD SDLNG BARE ROOT)	EACH	12
	802-13.62	ILEX VERTICILLATA (CMMN WINTERBERRY SDLNG B.R.)	EACH	12
	803-01	SODDING (NEW SOD)	S.Y.	29933
9	806-02.03	PROJECT MOWING	CYCL	6

*SEE SHT. NO. 2A2 FOR FOOTNOTES

CONSTRUCTABILITY FIELD REVIEW

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ESTIMATED ROADWAY QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	2A2

FOOTNOTES:

1. BID PRICE INCLUDES ALL SALVAGE VALUE OF ALL MATERIAL. SEE TABULATED QUANTITIES SHEET NO. 2T FOR REMOVAL OF BUILDINGS AND OBSTRUCTIONS DESCRIPTION BLOCK.
2. REFER TO SPECIAL NOTES.
3. INCLUDES WATER FOR DUST CONTROL.
4. SEE SUBSECTION 209.07 OF STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.
5. FOR USE AS DIRECTED BY THE ENGINEER.
6. 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.
7. FOR TRAFFIC CONTROL PAVEMENT MARKING.
8. INCLUDES ??? THOUSAND GALLONS FOR EROSION PREVENTION AND SEDIMENT CONTROL.
9. ITEM ITNCLUDES LITTER AND TRASH REMOVAL. THIS WORK NOT BE MEASURED AND PAID FOR DIRECTLY
10. BUT WILL BE INCLUDED IN THE COST OF ITEM NO. 806-02.03, PROJECT MOWING, CYCL.
11. SEE SPECIAL NOTES AND CITY OF KNOXVILLE STANDARDS FOR SPECIFICATIONS.
12. ITEM FOR REMOVAL OF EXISTING SIGNAL AT KEITH AVE.
13. CONTRACTOR MAY ELECT TO USE HDPE CONDUIT WITH PRIOR APPROVAL FROM ENGINEER.
14. CONTROLLER SHALL BE PEEK ATC, OR APPROVED EQUAL.
15. SIGNS TO BE PROVIDED BY CITY OF KNOXVILLE. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF SIGNS ON SIGNAL CANTILEVER ARMS. CONTRACTOR TO CONTACT STEVE SHARP WITH CITY OF KNOXVILLE (865-215-6720) FOR FINAL APPROVAL BEFORE ORDERING SIGNS. ITEM SHALL INCLUDE REQUIRED MOUNTING BRACKETS.
16. ITEM INCLUDES FOUR (4) R10-12, 30"X36".
17. ITEM INCLUDES APPROXIMATELY 150' OF CONDUIT FOR EACH INTERSECTION (POWER SERVICE). CONTRACTOR TO COORDINATE WITH UTILITY OWNER AND ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE LOCATION OF POWER SERVICE SOURCE. ANY ADDITIONAL RGS CONDUIT TO BE INCLUDED IN COST OF ELECTRICAL SERVICE CONNECTION.
18. TO BE INSTALLED IN PROPOSED TYPE B F.O. PULL BOX FOR FIBER SPLICING. ITEM SHALL PROVIDE FOR A MINIMUM OF 12 SPLICES.
19. ITEM SHALL MEET CITY OF KNOXVILLE SPECIFICATIONS AND INCLUDES SERVICE STEEL CONDUIT RISER IF APPLICABLE AND ASSOCIATED REQUIRED EQUIPMENT. CONTRACTOR SHALL COORDINATE WITH UTILITY OWNER AND DETERMINE SERVICE CHARGES TO BE INCLUDED IN ITEM. CONTRACTOR TO COORDINATE WITH UTILITY OWNER AND ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE LOCATION OF POWER SERVICE SOURCE. POWER SERVICE SOURCE PENDING FINAL RELOCATION OF POWER FACILITIES BY UTILITY OWNER. FINAL CONDUIT PATH FOR POWER SERVICE TO CABINET MAY BE MODIFIED, CONFIRMED PRIOR TO CONSTRUCTION WITH PRIOR APPROVAL FROM ENGINEER.
20. SEE TDOT STD DRAWING T-SG-9A. ITEM INCLUDES FURNISHING REQUIRED FOUNDATION. (LOCATED IN NW CORNER OF MASSACHUSETTS AVE).
21. INCLUDES REQUIRED SPLICES FOR CONNECTION BETWEEN DROP CABLE AND TRUNK CABLE. CABLE END-OF-REEL SPLICES WILL NOT BE MEASURED OR PAID SEPARATELY.
22. TO BE COMPATIBLE WITH LOCAL SIGNAL CONTROLLERS AND EXISTING CITY CENTRAL SOFTWARE. MASTER CONTROLLER TO BE LOCATED AT KEITH AVE.
23. ITEM TO BE MEASURED AND PAID PER INTERSECTION. SYSTEM TO BE SONEM 2000 OR APPROVED EQUAL. ITEM INCLUDES ALL MATERIALS REQUIRED TO IMPLEMENT EMERGENCY EPS CONTROL PER CITY OF KNOXVILLE STANDARDS. ITEM INCLUDES FURNISHING AND INSTALLING PROCESSOR UNIT, POWER SUPPLY, PHASE SELECTOR RACK AND CARDS, DETECTORS (MAST ARM MOUNTED) AND MISCELLANEOUS WIRING AND MOUNTING HARDWARE. SEE SIGNAL LAYOUT SHEETS FOR DETECTOR POSITIONS AND PHASE SELECTOR ASSIGNMENTS. DETECTOR CABLE IS MEASURED AND PAID UNDER ITEM NO 730-08.10. APPROXIMATE REQUIRED MATERIALS INCLUDE, BUT ARE NOT LIMITED TO, ONE (1) EACH OF PHASE SELECTOR, RACK AND POWER SUPPLY, AND THREE (3) EACH
24. ITEM INCLUDES VIBRATION DAMPENING DEVICE.
25. SEE SPECIAL NOTES. CONTROLLER TO BE FIBER-READY FOR I.T.S. CONNECTION. THE CABINET SHALL BE BASE MOUNTED WITH INTEGRATED UPS COMPARTMENT. CABINET SHALL INCLUDE REQUIRED FIBER OPTIC CABLE DISTRIBUTION/TERMINATION HARDWARE TO ALLOW FOR DROP CABLE INSTALLATION PER CITY SPECIFICATIONS.
26. SEE TDOT STD DRAWING T-SG-10 AND SPECIAL NOTES. ITEM TO BE BLACK POWDER COATED.
27. ITEM TO BE MEASURED AND PAID PER INTERSECTION. ITEM TO INCLUDE WAVETRONIX DETECTION SYSTEM, OR APPROVED EQUAL. ITEM INCLUDES ALL MATERIALS REQUIRED TO IMPLEMENT VEHICLE DETECTION SYSTEM PER CITY OF KNOXVILLE STANDARDS. SEE SIGNAL LAYOUT SHEETS FOR DETECTOR POSITIONS. APPROXIMATE REQUIRED MATERIALS INCLUDE, BUT ARE NOT LIMITED TO, ONE (1) PREASSEMBLED BACKPLATE, RACK CARDS, PATCH CORDS, POWER SUPPLY, MOUNTING BRACKETS AND FOUR (4) EXTERNAL DETECTORS (MAST ARM MOUNTED). TWO (2) SMARTSENSOR ADVANCE DETECTORS (OR APPROVED EQUAL) TO BE USED FOR ADVANCE DETECTION. TWO (2) SMARTSENSOR MATRIX (OR APPROVED EQUAL) TO BE USED FOR SIDE STREET AND MAIN-LINE LEFT TURN DETECTION. DETECTOR CABLE REQUIRED FOR MYNDERSE AVE IS APPROXIMATELY 575'.
28. ITEM TO BE MEASURED AND PAID PER INTERSECTION. ITEM TO INCLUDE WAVETRONIX DETECTION SYSTEM, OR APPROVED EQUAL. ITEM INCLUDES ALL MATERIALS REQUIRED TO IMPLEMENT VEHICLE DETECTION SYSTEM PER CITY OF KNOXVILLE STANDARDS. SEE SIGNAL LAYOUT SHEETS FOR DETECTOR POSITIONS. APPROXIMATE REQUIRED MATERIALS INCLUDE, BUT ARE NOT LIMITED TO, ONE (1) PREASSEMBLED BACKPLATE, RACK CARDS, PATCH CORDS, POWER SUPPLY, MOUNTING BRACKETS AND FOUR (4) EXTERNAL DETECTORS (MAST ARM MOUNTED). TWO (2) SMARTSENSOR ADVANCE DETECTORS (OR APPROVED EQUAL) TO BE USED FOR ADVANCE DETECTION. TWO (2) SMARTSENSOR MATRIX (OR APPROVED EQUAL) TO BE USED FOR SIDE STREET AND MAIN-LINE LEFT TURN DETECTION. DETECTOR CABLE REQUIRED FOR MASSACHUSETTS AVE IS APPROXIMATELY 960'.
29. ITEM TO BE MEASURED AND PAID PER INTERSECTION. ITEM TO INCLUDE WAVETRONIX DETECTION SYSTEM, OR APPROVED EQUAL. ITEM INCLUDES ALL MATERIALS REQUIRED TO IMPLEMENT VEHICLE DETECTION SYSTEM PER CITY OF KNOXVILLE STANDARDS. SEE SIGNAL LAYOUT SHEETS FOR DETECTOR POSITIONS. APPROXIMATE REQUIRED MATERIALS INCLUDE, BUT ARE NOT LIMITED TO, ONE (1) PREASSEMBLED BACKPLATE, RACK CARDS, PATCH CORDS, POWER SUPPLY, MOUNTING BRACKETS AND EIGHT (8) EXTERNAL DETECTORS (MAST ARM MOUNTED). FOUR (4) SMARTSENSOR ADVANCE DETECTORS (OR APPROVED EQUAL) TO BE USED FOR ADVANCE DETECTION. FOUR (4) SMARTSENSOR MATRIX (OR APPROVED EQUAL) TO BE USED FOR SIDE STREET AND MAIN-LINE LEFT TURN DETECTION. DETECTOR CABLE REQUIRED FOR KEITH AVE IS APPROXIMATELY 905' AND 715' FOR KEITH AVE WEST.
30. INCLUDES ALL ITEMS NECESSARY TO KEEP EXISTING SIGNAL AT KEITH AVE OPERATIONAL AS REQUIRED DURING PHASES 1 AND 2 OF CONSTRUCTION. CONTRACTOR TO COORDINATE WITH CITY ENGINEER PRIOR TO ANY ADJUSTMENTS. CONTRACTOR SHALL OBTAIN THE APPROVAL FROM CITY ON MANNER OF MAINTAINING EQUIPMENT THROUGH CONSTRUCTION PHASING. VEHICLE DETECTION MUST BE MAINTAINED THROUGHOUT CONSTRUCTION (VIDEO OR OTHER MEANS ACCEPTABLE). MAY USE CONTRACTOR OWNED EQUIPMENT TO SUPPLEMENT EXISTING EQUIPMENT IF NEEDED. CONTRACTOR SHALL MAINTAIN ALL EQUIPMENT DURING CONSTRUCTION. ITEM INCLUDES MAINTENANCE OF EXISTING POLES OR PROVIDING ALTERNATE TEMPORARY SIGNAL SUPPORT POLES. SEE TDOT STANDARD DRAWING T-SG-11 FOR ADDITIONAL DETAILS.
31. ITEM INCLUDES 2" RGS CONDUIT FOR BRIDGE CROSSING. (SEE ITEM NUMBER 604-10.90 FOR BRIDGE HANGER SUPPORT SYSTEM). SCHEDULE 80 PVC CONDUIT MAY BE SUBSTITUTED WITH PRIOR APPROVAL FROM ENGINEER AND, WHERE APPLICABLE, RAILROAD OWNER.
32. ITEMS REFERENCES BRIDGE CROSSING RAILROAD (LENGTH 655'). ITEM INCLUDES ALL LABOR AND REQUIRED BRACKETS AND MISCELLANEOUS MATERIALS TO ATTACH CONDUIT TO BRIDGE AND RETURN TO PULL BOXES ON EITHER SIDE. CONDUIT USED FOR BRIDGE CROSSINGS WILL BE PAID SEPARATELY.

CONSTRUCTABILITY
FIELD
REVIEW

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ESTIMATED
ROADWAY
QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	2A3

INDEX

DESCRIPTION	SHT.
LIGHTING INDEX, STANDARD DRAWINGS AND ESTIMATED QUANTITIES	
LIGHTING GENERAL NOTES AND SPECIAL NOTES	44
ELECTRICAL DETAILS	44A
LIGHTING DETAILS	44B
LIGHTING LAYOUTS	44C – 44I
BRIDGE LIGHTING DETAILS	44J – 44K
LIGHTING DETAILS (KUB STANDARDS)	44L – 44N, 44P – 44Q

STANDARD ROADWAY DRAWINGS

DWG. NO	REV.	DESCRIPTION
ROADWAY DESIGN STANDARDS		
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
TRAFFIC CONTROL APPURTENANCES		
T-L-1	12-04-13	STANDARD LIGHTING FOUNDATION DETAILS
T-L-1TM		STANDARD LIGHTING DETAILS TENON MOUNTED OFFSET LIGHTING SUPPORTS
T-L-3	04-15-96	STANDARD LIGHTING DETAILS PULL BOXES
T-L-4	05-25-11	STANDARD LIGHTING DETAILS CONDUIT, CABLE INSTALLATION

ESTIMATED LIGHTING QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	714-03.01	DIRECT BURIAL CONDUIT (2" PVC, SCHEDULE 40)	L.F.	2500
(1)	714-05.05	PULL BOXES (KUB STANDARD)	EACH	6
(2)	714-05.46	WOOD POLE (35')	EACH	1
	714-06.06	CABLE (1/C # 4 AWG)	L.F.	14860
(3)	714-06.08	CABLE (# 6 SOLID COPPER SOFT DRAWN) (GROUND)	L.F.	2000
	714-06.09	CABLE (# 6 COPPER SOFT DRAWN BARE) (GROUND)	L.F.	3000
(4, 6)	714-08.09	LIGHT STANDARDS (40' MH FOR ROADWAY)	EACH	14
(5, 6)	714-08.10	LIGHT STANDARDS (40' MH FOR BRIDGE)	EACH	3
	714-08.20	FOUNDATION (ONLY) FOR LIGHT STANDARD	EACH	14
(7)	714-09.09	LUMINAIRES (150W LED)	EACH	8
(8)	714-09.10	LUMINAIRES (200W LED)	EACH	28
(9)	714-25	ELECTRICAL CONNECTION	EACH	1

PAY ITEM FOOTNOTES:

(1) SHALL BE KUB STANDARD, SEE SHEETS 44P AND 44Q.

(2) SHALL BE USED FOR RELOCATION OF PRIVATE PROPERTY LUMINAIRE (LP 20).

(3) INCLUDED FOR GROUNDING WITHIN STRUCTURES.

(4) INCLUDES THE COST OF 28-15' TRUSS ARMS (LP 1 THRU LP 19 AND LP 21 THRU LP 29) AND 8-6' TRUSS ARMS (LP 30 THRU LP 37). SHALL BE KUB STANDARD, SEE SHEET 44L.

(5) CONTRACTOR TO DETERMINE POLE LENGTH FOR 40' MH ON BRIDGE WALL.

(6) INCLUDES THE COST OF THE TRANSFORMER BASE. SHALL BE KUB STANDARD, SEE SHEET 44M.

(7) THE ROADWAY LUMINAIRE SHALL BE COOPER LIGHTING 150W LED NVN NAVION. USE COOPER CATALOGUE NO. NVN-AE-02-T3-10K-4N7-AP, OR EQUIVALENT. BASED ON PHOTOMETRIC DATA FILE NVN-AE-02-E-U-T3.IES; TOTAL LUMENS=10,504. LUMINAIRE SHALL BE BALLASTED FOR 120 VOLT OPERATION.

(8) THE ROADWAY LUMINAIRE SHALL BE COOPER LIGHTING 200W LED NVN NAVION. USE COOPER CATALOGUE NO. NVN-AE-03-T3-10K-4N7-AP, OR EQUIVALENT. BASED ON PHOTOMETRIC DATA FILE NVN-AE-04-E-U-T3.IES; TOTAL LUMENS=21,038. LUMINAIRE SHALL BE BALLASTED FOR 120 VOLT OPERATION.

(9) THE CONTRACTOR SHALL CONTACT THE LOCAL UTILITY TO OBTAIN THE ESTIMATE FOR ANY CHARGES BY THE UTILITY FOR PROVIDING ELECTRICAL SERVICE TO THE POWER SOURCE LOCATIONS. THESE CHARGES SHALL BE INCLUDED IN THE BID FOR THIS ITEM. ALSO, INCLUDES THE COST TRANSFORMERS, OVERHEAD WIRE (APPROXIMATELY 10,000 L.F.), AND CONNECTION OF THE LUMINAIRES TO THE LIGHTING CIRCUITRY. OVERHEAD CONNECTIONS SHALL BE PER KUB STANDARD, SEE SHEET 44N.

* * * INCLUDED FOR REVIEW PURPOSES ONLY * * *

* * * ALL ITEMS ON THIS SHEET TO BE INCORPORATED * * *
* * * INTO ROADWAY PLANS * * *

LIGHTING INDEX & STD DWG: KN_SR62_Lighting_Index&StdDwg.docx

LIGHTING EXSTIMATED QUANTITIES: KN_SR62_EstimatedLightingQuantities.xlsm

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LIGHTING INDEX, STANDARD DRAWINGS, AND ESTIMATED QUANTITIES

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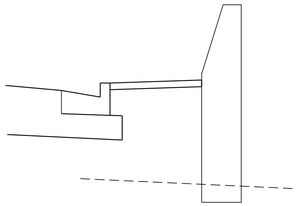
c:\Booker\01_ACTIVE\NEEL SHAFFER\07_KNOX\01_SR 62 AT TEXAS AVE TO MAJOR AVE-LIGHTING PROJECT\02_FINAL CONST DGN FILES\48230-01.sht

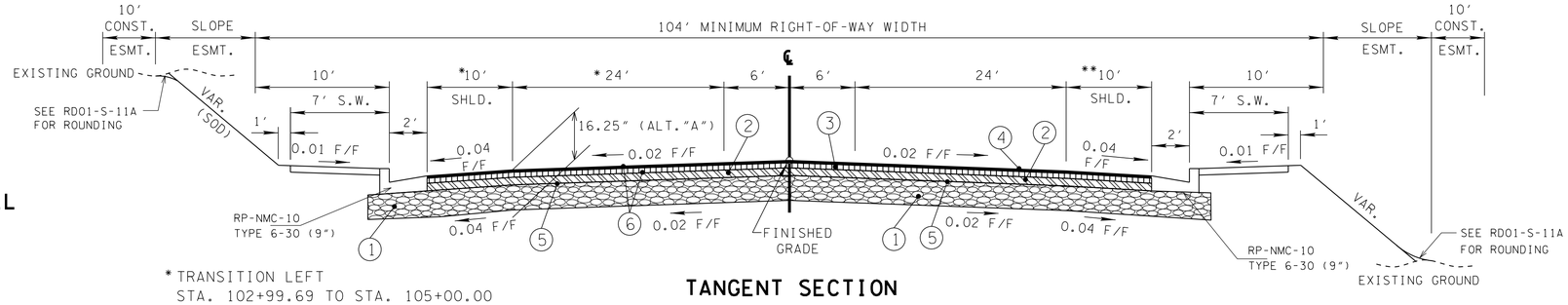
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	2
CONST.	2016	HPP/STP/NH-62(34)	2C

REV. 10-10-12: TYPICAL AT BEG.OF PROJECT; DELETED RAISED MEDIAN, ADDED CENTER TURN LANE, CHANGED SHOULDER WIDTH TO 10'AND CHANGED LIMITS FROM 137+25± TO 138+87.25. TYPICAL AT END OF PROJECT; ADDED TRANSITIONS FOR TRAVEL LANES AND CHANGED LIMITS FROM 144+58.29 TO 147+03.59.



PROPOSED RETAINING WALL
S.R. 62 RIGHT
STA. 114+65.00 TO STA. 116+59.00
STA. 122+65.00 TO STA. 124+00.00

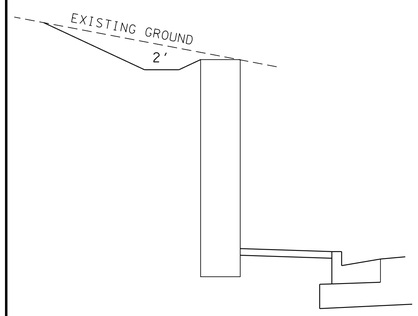


*TRANSITION LEFT
STA. 102+99.69 TO STA. 105+00.00
SHOULDER 0' TO 4'
TRAVEL LANE 30.28' TO 24.00'

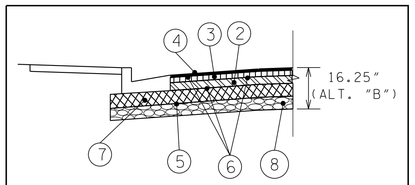
TANGENT SECTION
(BASED ON STD. DWG. RD01-TS-6)
S.R. 62 (WESTERN AVE.)
STA. 102+99.69 TO 116+59.00
STA. 122+65.00 TO 138+87.25
ALTERNATE "A"

BEG. PROPOSED SIDEWALK,
CURB & GUTTER RT. STA. 104+95.23

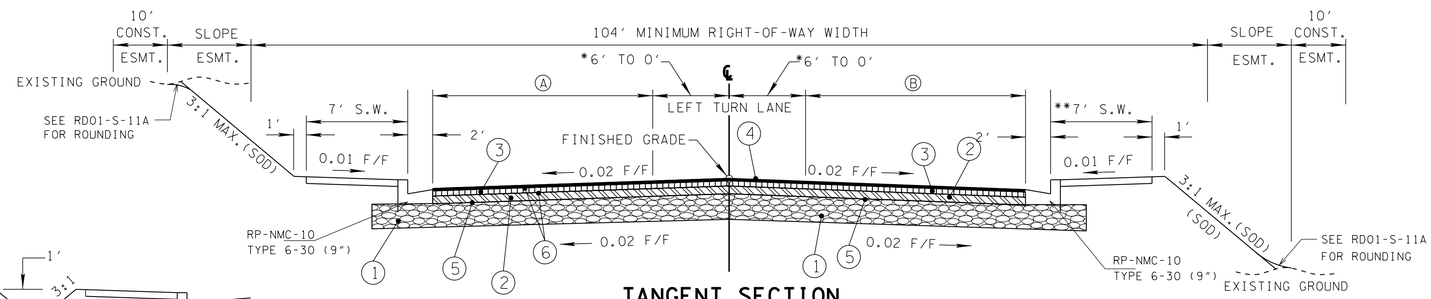
**TRANSITION RIGHT SHOULDER
10'TO 0' STA. 138+87.25 STA. 139+58.12



PROPOSED RETAINING WALL
S.R. 62 LEFT
STA. 141+00.00 TO STA. 142+50.98
STA. 143+52.58 TO STA. 145+00.00



PAVEMENT SECTION
S.R. 62 ALTERNATE "B"

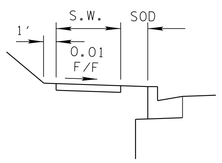


TANGENT SECTION
(BASED ON STD. DWG. RD01-TS-6A)
S.R. 62 (WESTERN AVE.)
STA. 138+87.25 TO STA. 147+03.59
ALTERNATE "A"

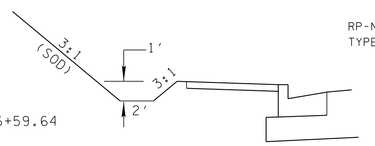
**TRANSITION SIDEWALK RIGHT
7' TO 7.81' STA. 146+34.21 STA. 147+03.59

Ⓐ 36' STA. 138+87.25 TO STA. 140+35.00
36' TO 24' STA. 140+35.00 STA. 141+00.00
24' STA. 141+00.00 TO STA. 144+58.00
24' TO 23.96' STA. 144+58.00 STA. 147+03.59

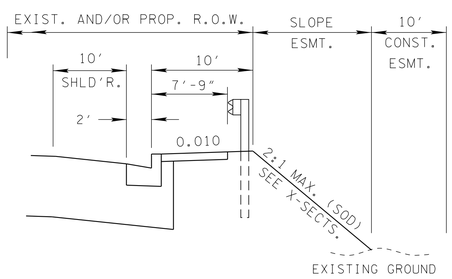
Ⓑ 24' TO 36' STA. 138+87.25 TO STA. 139+58.12
36' STA. 139+58.12 STA. 141+89.22
24' STA. 143+04.26 TO STA. 144+58.00
24' TO 23.90' STA. 144+58.00 STA. 147+03.59



SIDEWALK
S.R. 62 LEFT
5'TO 7' STA. 145+65.11 TO STA. 146+59.64
5' STA. 146+59.64 147+03.29
GRASS STRIP 2' TO 3' STA. 146+59.64 147+03.29

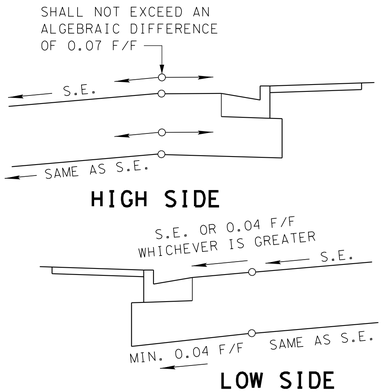


PROPOSED DITCH
SR 62 WESTERN AVE.
STA. 103+00± TO STA. 105+88±



PROPOSED GUARDRAIL DETAIL
S.R.62

CONSTRUCTABILITY
FIELD
REVIEW



SUPERELEVATION DETAIL FOR SHOULDERS

PROPOSED PAVEMENT SCHEDULE

(1) MINERAL AGGREGATE BASE (10"± THICK) (ALTERNATE "A")
ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D

(2) BITUMINOUS PLANT MIX BASE @ 3"± THICK (APPROX. 345 LBS./S.Y.)
ITEM NO. 307-02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A

(3) BITUMINOUS BINDER @ 2"± THICK (APPROX. 226.0 LBS./S.Y.)
ITEM NO. 307-02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2

(4) BITUMINOUS SURFACE @ 1.25"± THICK (APPROX. 132.5 LB./S.Y.)
ITEM NO. 411-02.10 ACS MIX (PG70-22) GRADING D

(5) PRIME COAT @ 0.30-0.35 GAL./S.Y.
ITEM NO. 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) 0.30-.35 GAL./SQ.YD.
ITEM NO. 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 8-12 LB./S.Y.

(6) TACK COAT @ 0.02 GAL./S.Y.
ITEM NO. 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)
RATE = 0.07 GAL/SQ. YD. (GENERAL USE)
RATE = 0.10 GAL/SQ. YD. (MILLING - COLD PLANE)

(7) CEMENT TREATED BASE @ 5"± THICK (ALTERNATE "B")
ITEM NO. 309-01.01 MINERAL AGGREGATE (A-CBC)
ITEM NO. 309-01.02 PORTLAND CEMENT (A-CBC)
ITEM NO. 309-02 BITIMINOUS MATERIAL (A-CBC)

(8) MINERAL AGGREGATE BASE (5"± THICK) (ALTERNATE "B")
ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D

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TYPICAL SECTIONS

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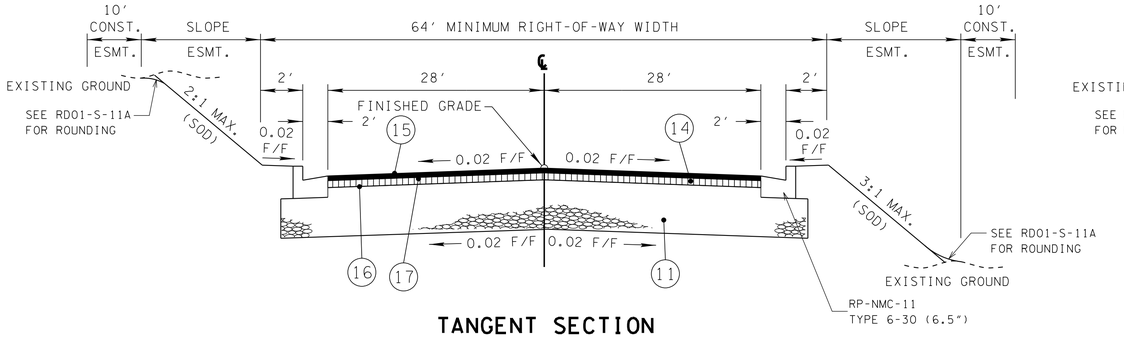
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	2A
CONST.	2016	HPP/STP/NH-62(34)	2D

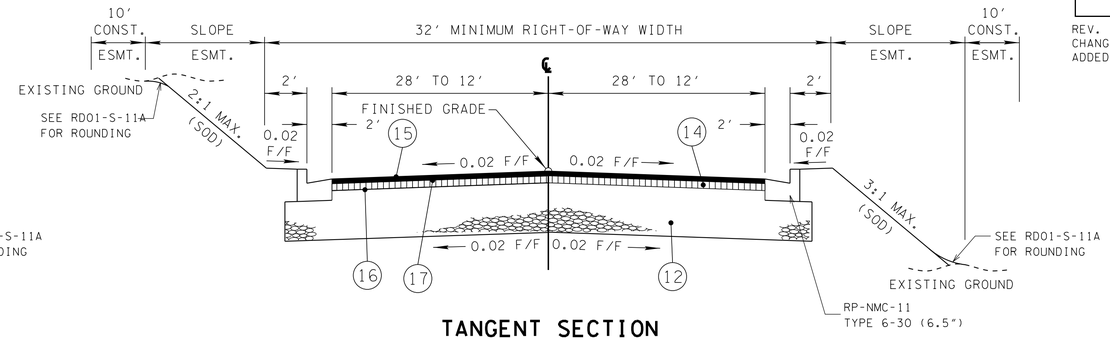
REV. 10-10-12: TYPICAL FOR TENNESSEE AVE. CHANGED LIMITS FROM 71+91.10 TO 70+80.24. ADDED LOCATION STA. TO TYPICAL'S.



TANGENT SECTION

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

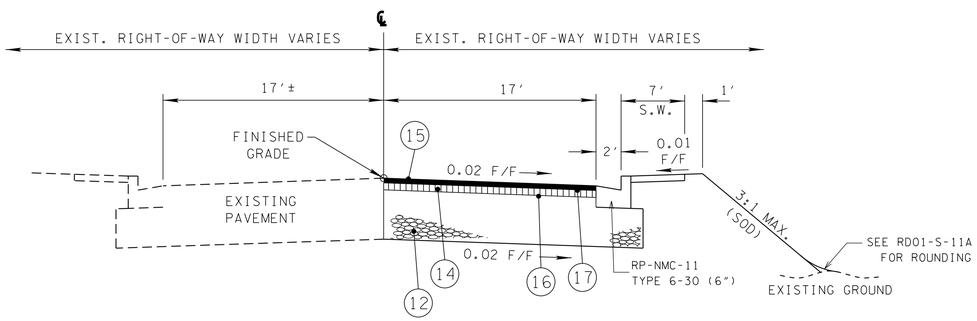
MYNDERSE AVE. (LT. SR 62 STA. 111+21.23)
STA. 10+33.87 TO STA. 13+71.11



TANGENT SECTION

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

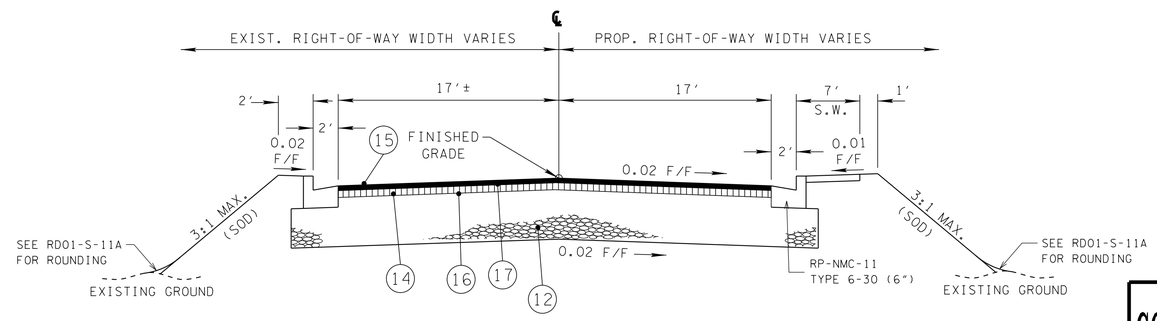
MYNDERSE AVE. (LT. SR 62 STA. 111+21.23)
STA. 13+71.11 TO STA. 16+89.11
1¼" OVERLAY
STA. 16+89.11 TO STA. 18+47.44



TANGENT SECTION

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

TENNESSEE AVE. (LT. MASSACHUSETTS AVE. STA. 209+65.92)
STA. 70+80.24 TO STA. 76+50.00



TANGENT SECTION

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

TENNESSEE AVE. (LT. MASSACHUSETTS AVE. STA. 209+65.92)
STA. 76+50.00 TO STA. 78+84.93

PROPOSED PAVEMENT SCHEDULE

(11) MINERAL AGGREGATE BASE (8"± THICK) ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	(15) BITUMINOUS SURFACE @ 1.25"± THICK (APPROX. 128.75 LB./S.Y.) ITEM NO. 411-01.10 ACS MIX (PG64-22) GRADING D
(12) MINERAL AGGREGATE BASE (10"± THICK) ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	(16) PRIME COAT @ 0.30-0.35 GAL./S.Y. ITEM NO. 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) 0.30-.35 GAL./SQ.YD. ITEM NO. 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 8-12 LB./S.Y.
(13) BITUMINOUS PLANT MIX BASE @ 3"± THICK (APPROX. 345.0 LBS./S.Y.) ITEM NO. 307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	
(14) BITUMINOUS BINDER @ 2"± THICK (APPROX. 226.0 LBS./S.Y.) ITEM NO. 307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	(17) TACK COAT @ 0.02 GAL./S.Y. ITEM NO. 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)

CONSTRUCTABILITY
FIELD
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TYPICAL SECTIONS

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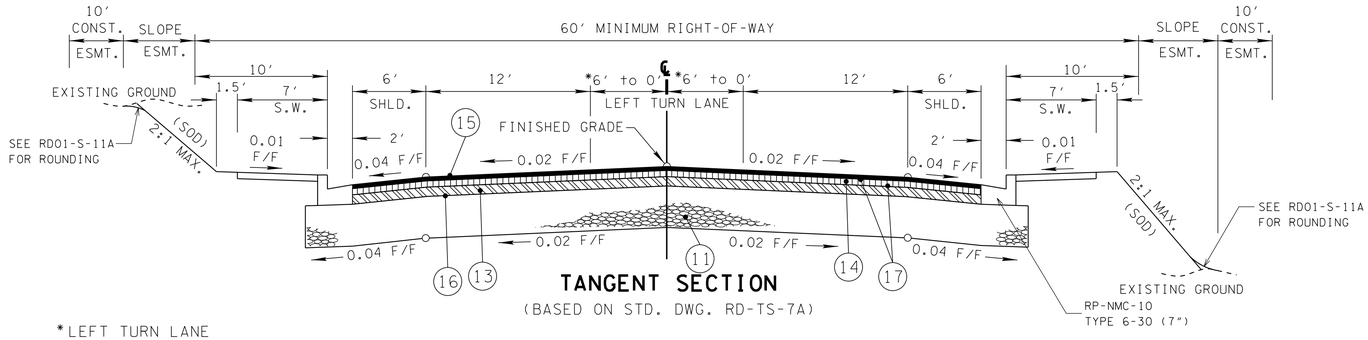
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	2B
CONST.	2016	HPP/STP/NH-62(34)	2E

REV. 10-10-12: ADDED PROP. RETAINING WALL TYPICAL FOR MASSACHUSETTS AVE. ADDED LOCATION STA. TO TYPICAL'S.

REV. 10-02-14: DELETED PROP. RETAINING WALL TYPICAL FOR MASSACHUSETTS AVE.

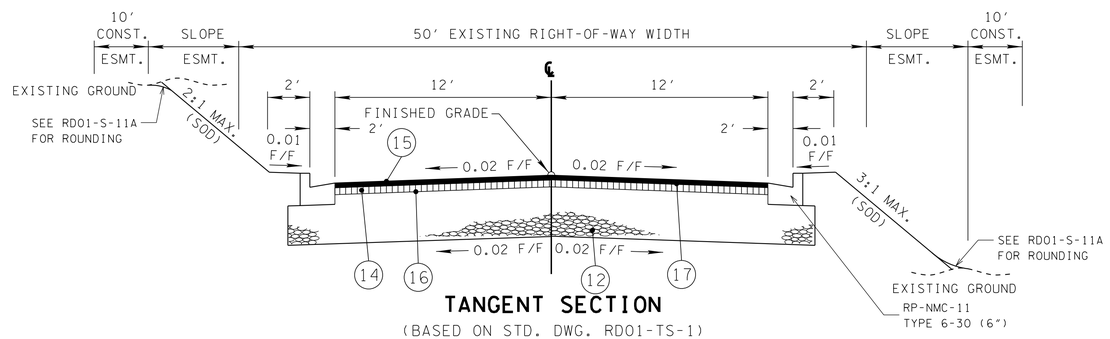


TANGENT SECTION

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

*LEFT TURN LANE
STA. 200+40± TO STA. 201+97.77
TRANSITION 6' TO 0'
STA. 201+97.77 TO STA. 202+87.77

MASSACHUSETTS AVE. (LT. SR 62 STA. 123+89.80)
STA. 200+40.10 TO STA. 213+23.70

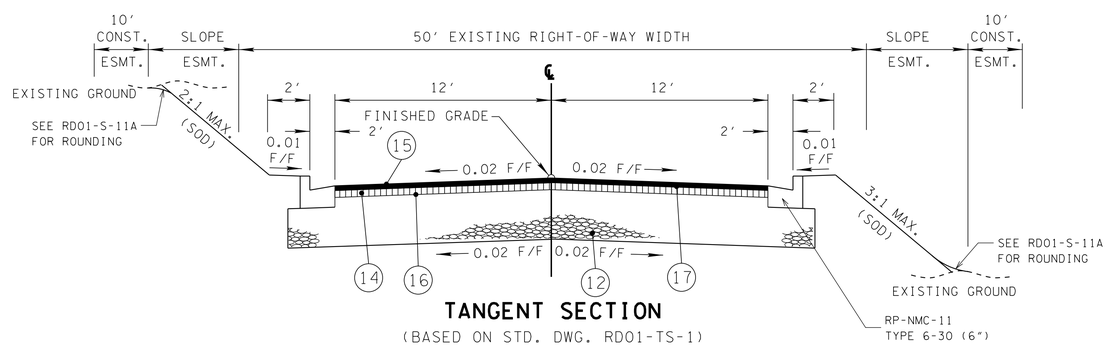


TANGENT SECTION

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

MARYLAND AVE. (LT. SR 62 STA. 127+48.54)
STA. 30+40.13 TO STA. 32+10.00

SEE SHEET 2D FOR PAVEMENT SCHEDULE



TANGENT SECTION

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

VERMONT AVE. (LT. SR 62 STA. 131+04.85)
STA. 40+40.15 TO STA. 42+85.00

CONSTRUCTABILITY FIELD REVIEW

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TYPICAL SECTIONS

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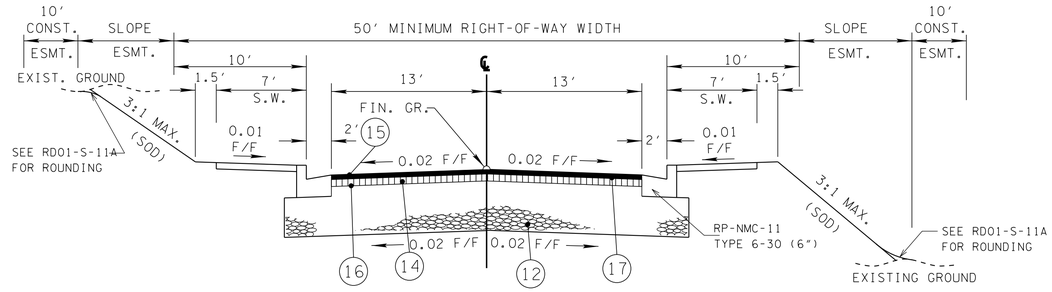
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	2C
CONST.	2016	HPP/STP/NH-62(34)	2F

REV. 10-10-12: KEITH AVE. TYPICAL'S: MOVED CENTER LINE, REV STA.'S LIMITS AND ADDEDTRANSITIONS FOR TRAVEL LANES. ADDED LOCATION STA. TO TYPICAL'S.

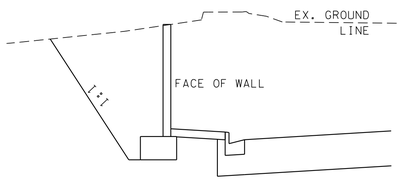
REV. 10-02-14: REV. LT. SIDE OF KEITH AVE. TYPICAL AND ADDED PROP. RETAINING WALL TYPICAL'S LT. AND RT. OF KEITH AVE.



TANGENT SECTION

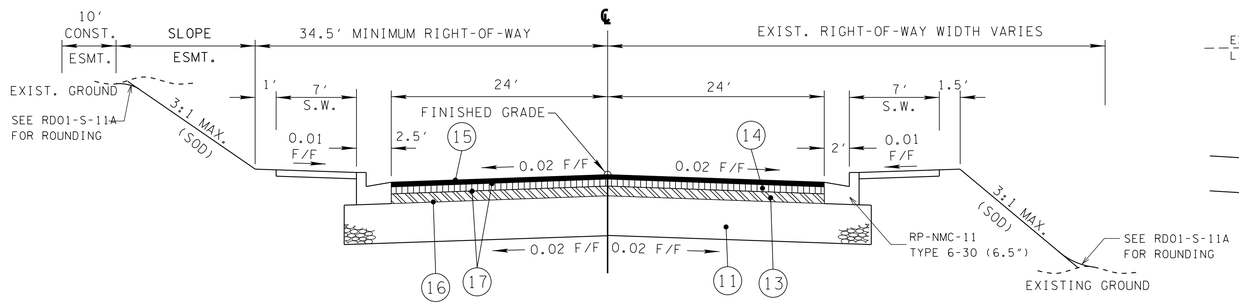
(BASED ON STD. DWG. RD01-TS-1)

VIRGINIA AVE. (LT. SR 62 STA. 134+75.87)
STA. 50+41.44 TO STA. 52+15.00



PROPOSED RETAINING WALL

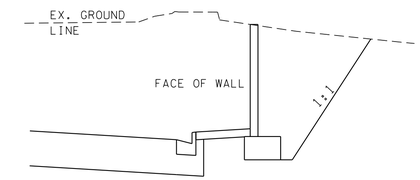
KEITH AVE. RIGHT
STA. 66+28.25 TO STA. 66+72.86



TANGENT SECTION

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

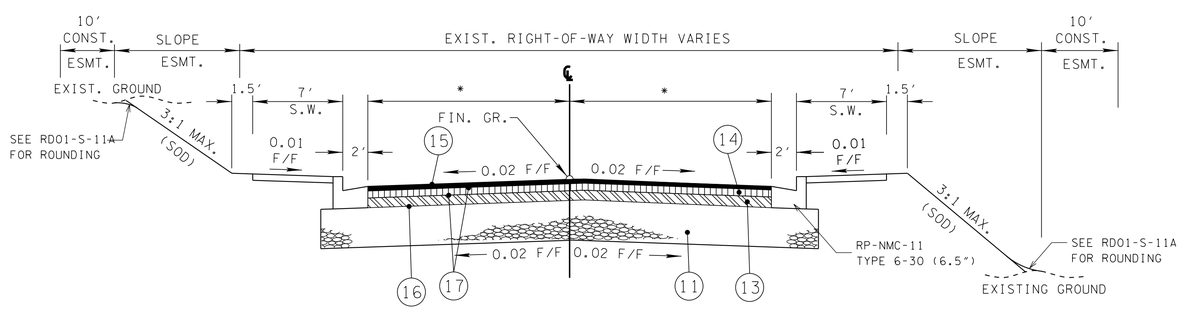
KEITH AVE. (LT. SR 62 STA. 138+00.60)
STA. 64+09.29 TO STA. 66+80.00



PROPOSED RETAINING WALL

KEITH AVE. RIGHT
STA. 65+00.73 TO STA. 66+00.00

SEE SHEET 2D FOR PAVEMENT SCHEDULE



TANGENT SECTION

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

KEITH AVE. (LT. SR 62 STA. 138+00.60)
STA. 66+80.00 TO STA. 69+10.00

* TRANSITION LEFT
STA. 66+80.00 TO STA. 68+60.00
24' TO 17.69'
STA. 68+60.00 TO STA. 69+10.00
17.69' TO 17.71'

* TRANSITION RIGHT
STA. 66+80.00 TO STA. 68+60.00
24' TO 12.13'
STA. 68+60.00 TO STA. 69+10.00
12.13' TO 12.21'

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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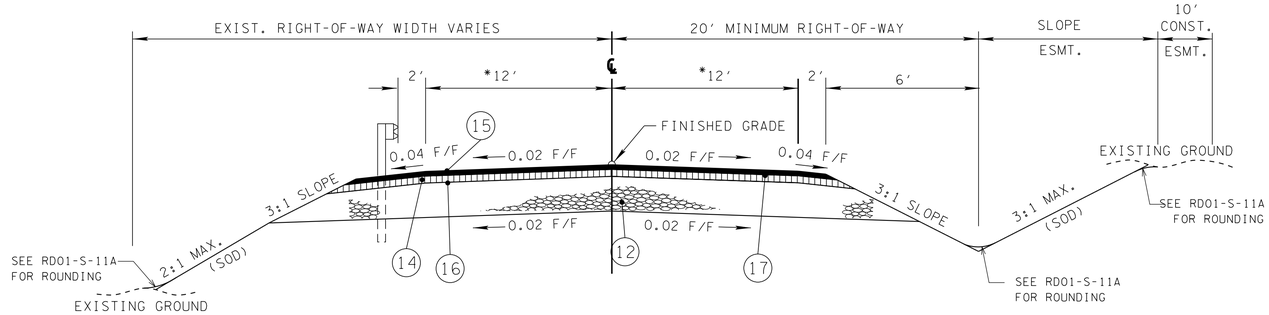
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	2D
CONST.	2016	HPP/STP/NH-62(34)	2G

REV. 10-10-12: WESTERN AVE. TYPICAL: REV. TRAVEL LANE WIDTH, REV STA.'S LIMITS, ADDED TRANSITION LEFT AND TYPICAL FOR RETAINING WALL. ADDED LOCATION STA. TO TYPICAL'S.

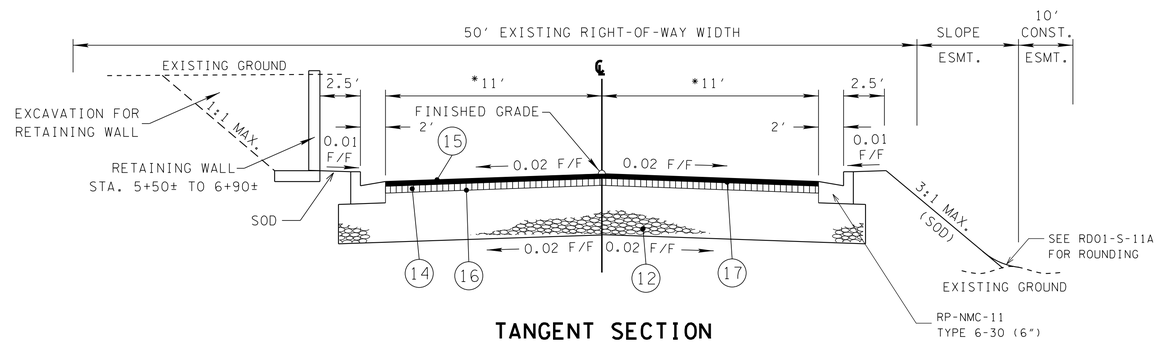


TANGENT SECTION

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

HAWKINS AVE.
STA. 2+00.00 TO STA. 5+32.20

*TRANSITION LEFT
STA. 4+70.86 12' TO STA. 5+32.20 10.96'
TRANSITION RIGHT
STA. 4+70.86 12' TO STA. 5+32.20 8.72'



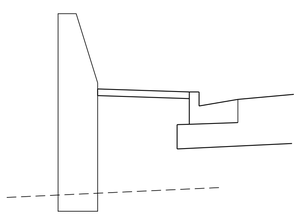
TANGENT SECTION

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

BOWLING AVE. (RT. MARYLAND AVE. STA. 31+69.43)
STA. 5+12.00 TO STA. 6+90.00

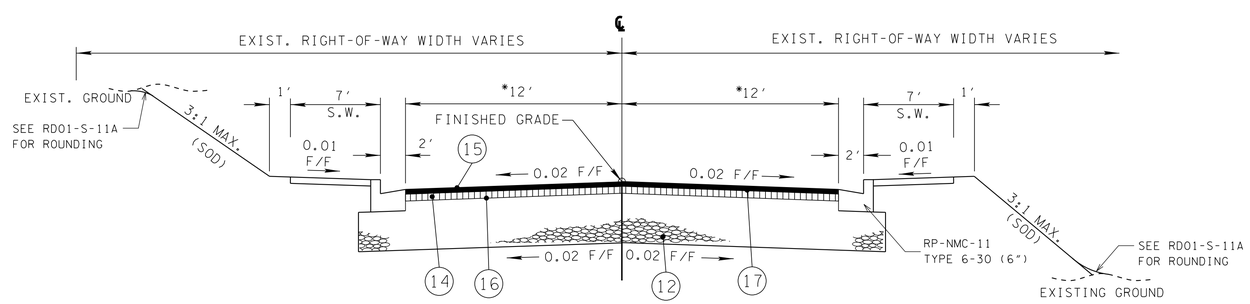
*TRANSITION LEFT
STA. 6+50.00 11' TO STA. 6+90.00 7.49'
TRANSITION RIGHT
STA. 6+50.00 11' TO STA. 6+90.00 8.41'

SEE SHEET 2D FOR PAVEMENT SCHEDULE



PROPOSED RETAINING WALL

WESTERN AVE. LEFT
STA. 87+65.00 TO STA. 88+25.00



TANGENT SECTION

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

*TRANSITION LEFT
STA. 83+00.00 TO STA. 84+00.00
12.66' TO 12.00'

WESTERN AVE. (LT. KEITH(WEST) STA. 312+25.00)
STA. 83+00.00 TO STA. 89+76.04

*TRANSITION RIGHT
STA. 83+00.00 TO STA. 84+00.00
11.77' TO 12.00'

CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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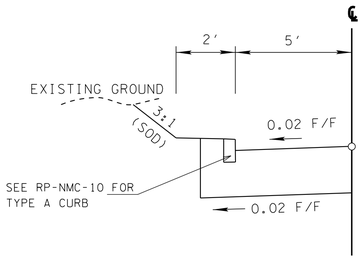
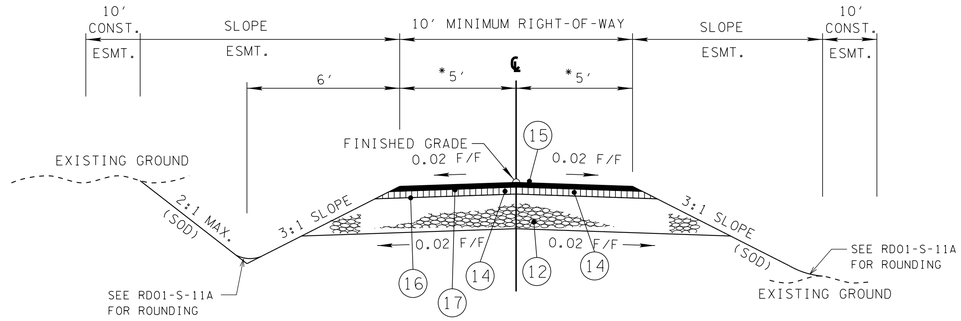
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	2E
CONST.	2016	HPP/STP/NH-62(34)	2H

REV. 10-10-12: DELETED TYPICAL SECTION TENNESSEE AVE. TO WESTERN AVE. ADDED TYPICAL SECTIONS FOR OLD KEITH AVE. ADDED LOCATION STA. TO TYPICAL'S. ADDED TYPICAL SECTION FOR ALLEYS.



LT. SIDE ALLEY
RT. STA. 1+52.61
MISSISSIPPI AVE



TYPICAL SECTION FOR ALLEYS

10' ALLEY
(LT. SR 62 STA. 125+89.58)
STA. 1+00.00 TO 2+13.00

10' ALLEY
(LT. SR 62 STA. 132+89.05)
STA. 1+00.00 TO 2+43.00

10' ALLEY
(LT. SR 62 STA. 136+23.82)
STA. 1+00.00 TO 2+43.00

10' ALLEY
(LT. MASSACHUSETTS STA. 205+50.00)
STA. 1+00.00 TO 3+15.00

10' ALLEY
(LT. MASSACHUSETTS STA. 207+00.00)
STA. 1+00.00 TO 2+00.00

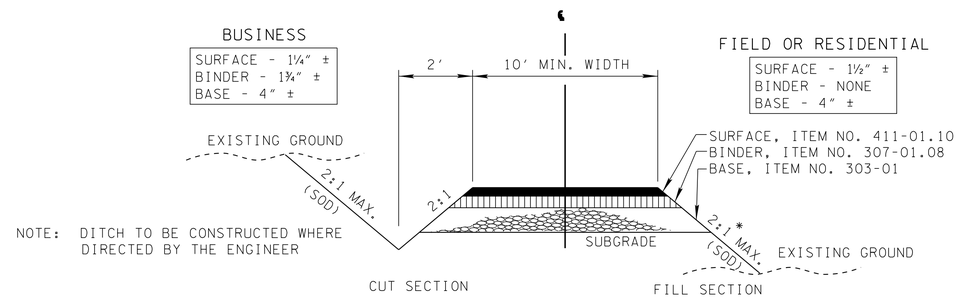
*12' ALLEY
(LT. MASSACHUSETTS STA. 209+17.35)
STA. 1+00.00 TO 3+43.50

10' ALLEY
(RT. KEITH AVE. STA. 64+80.00)
STA. 0+00.00 TO 1+65.00

10' ALLEY
(25.22' RT. MISSISSIPPI STA. 1+57.83)
STA. 1+00.00 TO 1+85.00

10' ALLEY
(RT. KEITH WEST STA. 310+50.00)
STA. 0+00.00 TO 1+75.00

SEE SHEET 2D FOR
PAVEMENT SCHEDULE

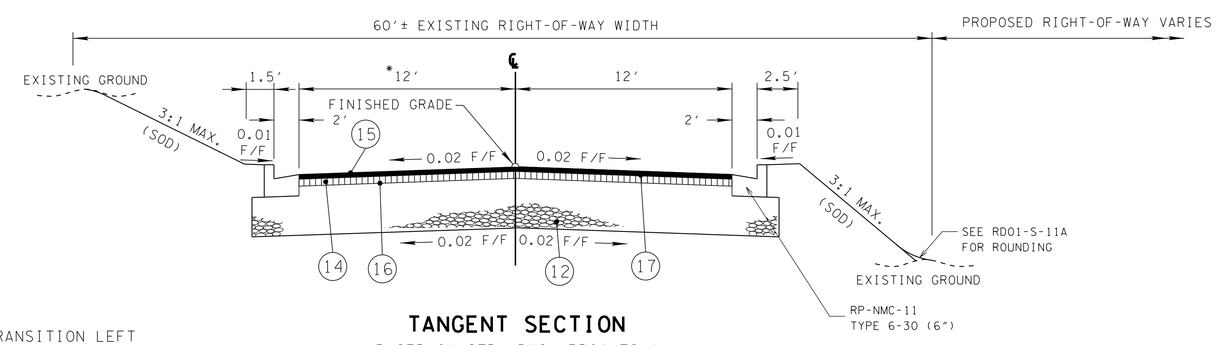


EXIST. CONCRETE DRIVE
SUBSTITUTE 6" - CONCRETE
FOR BASE AND SURFACE

TYPICAL SECTION

PRIVATE DRIVE TO BUSINESS,
FIELD, OR RESIDENTIAL PROPERTY

*12:1 SLOPES FOR
BUS. ENT. WITH
PAVED PARKING.



*TRANSITION LEFT
33'± STA. 1+47.01 TO STA. 2+28.18

TANGENT SECTION

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

OLD KEITH AVE. (RT. WESTERN AVE. STA. 87+55.00)
STA. 0+12.00± TO STA. 2+60.03

CONSTRUCTABILITY
FIELD
REVIEW

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DEPARTMENT OF TRANSPORTATION

TYPICAL
SECTIONS

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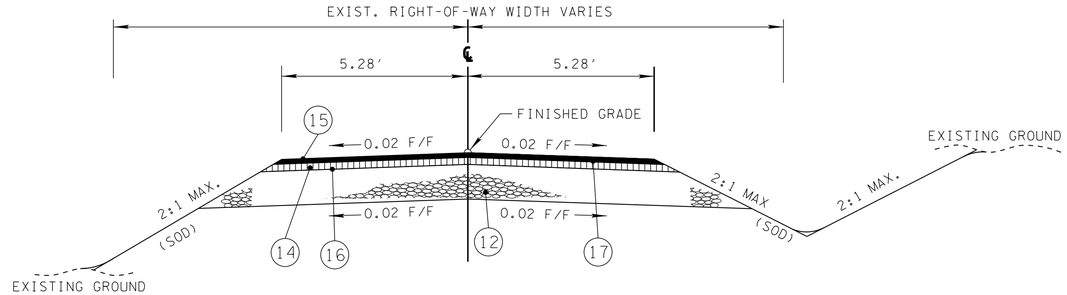
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2F
CONST.	2016	HPP/STP/NH-62(34)	2I

REV. 10-10-12: ADDED SHEET TO PLANS.
ADDED LOCATION STA. TO TYPICAL'S.

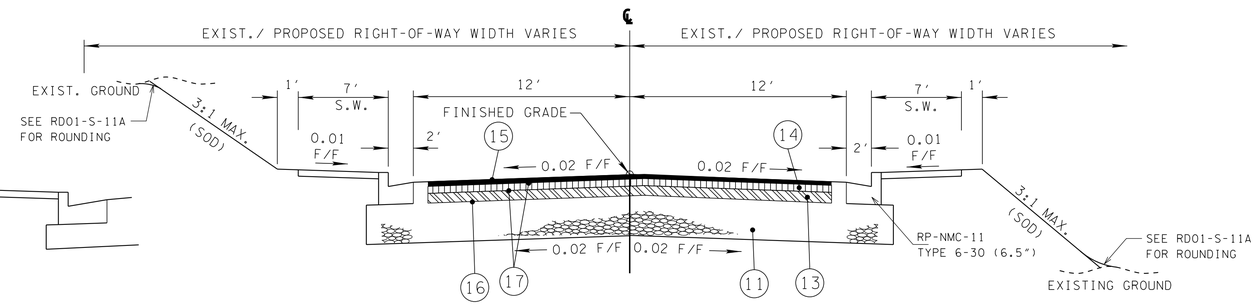


TANGENT SECTION

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

TRUMAN ST. (RT. OLD KEITH AVE. STA. 1+94.21)
STA. 5+12.00 TO STA. 5+50.00

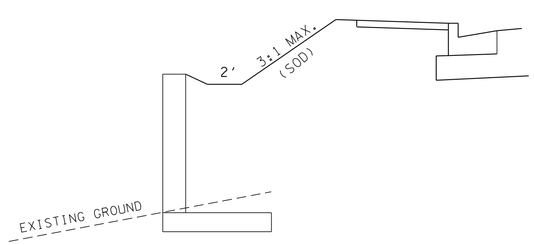
SEE SHEET 2D FOR PAVEMENT SCHEDULE



TANGENT SECTION

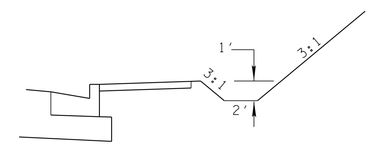
(BASED ON STD. DWG. RD01-TS-1)

KEITH AVE.(WEST)(RT. SR 62 STA. 142+50.98)
STA. 308+00.00 TO STA. 318+00±



PROPOSED RETAINING WALL

KEITHWEST LEFT
STA. 313+82± TO STA. 314+30±

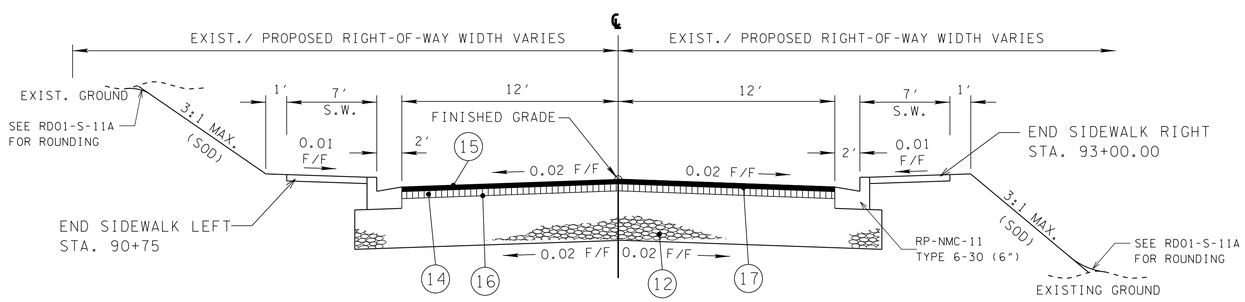


PROPOSED DITCH

KEITH AVE.(WEST) RIGHT
STA. 309+40± TO STA. 312+00±

CONSTRUCTABILITY FIELD REVIEW

SEALED BY



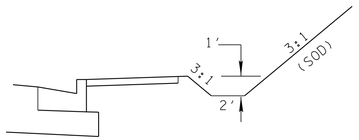
TANGENT SECTION

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

STERCHI ST. (RT. KEITH AVE. (WEST) STA. 312+25.00)
STA. 90+12± TO STA. 95+00.00

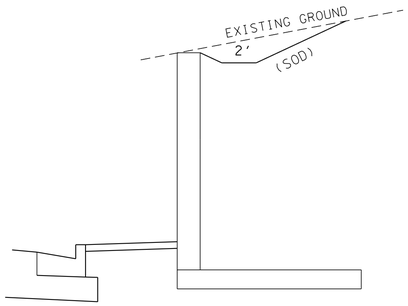
* TRANSITION LEFT
STA. 94+50.00 TO STA. 95+00.00
12.00' TO 9.14'

* TRANSITION RIGHT
STA. 94+50.00 TO STA. 95+00.00
12.00' TO 8.98'



PROPOSED DITCH

STERCHI ST. RIGHT
STA. 90+20± TO STA. 90+89±



PROPOSED RETAINING WALL

STERCHI ST. RIGHT
STA. 90+88.53 TO STA. 91+69.50

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	2J

GENERAL NOTES

GRADING

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

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

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

SEEDING AND SODDING

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

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

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

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

GUARDRAIL

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

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

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

DRAINAGE

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

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

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

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

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

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

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.

ROAD CLOSURE

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

(1) OF SIDEWALK TO TOUCHDOWN POINT FOR ANY ADDITIONAL DRIVEWAYS OR FIELD ENTRANCES OTHER THAN THOSE PROVIDED IN THE PLANS.

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

(3) EASEMENT REQUIRED FOR THE RAILROAD CROSSING IS TO BE OBTAINED BY THE UTILITIES ENGINEER BY PROVISIONS CONTAINED IN THE CROSSING AGREEMENT NEGOTIATED WITH THE RAILROAD.

PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKING ON INTERMEDIATE LAYERS

(1) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAYS WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.01, PAINTED PAVEMENT MARKING (4" LINE), L.M.

(2) 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. 716-05.02, PAINTED PAVEMENT MARKING (8" BARRIER LINE), L.F.

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

FINAL PAVEMENT MARKING IF 4" ENHANCED FLATLINE THERMOPLASTIC IS USED

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

FINAL PAVEMENT MARKING IF 4" SPRAY THERMOPLASTIC (60 mil) IS USED

(5) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 4" SPRAY THERMOPLASTIC (60 mil) INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-13.01, SPRAY THERMO PVMT MRKNG (60 mil) (4IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.

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

(6) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 4" SPRAY THERMOPLASTIC (40 mil) INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-13.06, SPRAY THERMO PVMT MRKNG (40 mil) (4IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE DETOURS, LANE SHIFTS AND MEDIAN CROSS-OVERS

(7) THE PAVEMENT MARKING ON THE DETOUR, LANE SHIFT FOR CENTERLINE, EDGELINESWILL BE INSTALLED AND MAINTAINED TO THE SAME STANDARDS AS FOR PERMANENT MARKINGS ON THE MAIN ROADWAY. THESE MARKINGS SHALL BE IN PLACE PRIOR TO ALLOWING TRAFFIC ONTO THE PAVEMENT. THESE PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.01 PAINTED PAVEMENT MARKING (4IN LINE) LIN. MI.

(8) BEFORE OPENING THE DETOUR, LANE SHIFT TO TRAFFIC, THE TRANSITIONAL MARKINGS ON THE EXISTING ROADWAY MUST BE IN PLACE. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM 712-09.01 REMOVABLE PAVEMENT MARKING LINE, LIN. FT. ALL EXISTING MARKINGS IN THE AREA OF THESE TRANSITIONAL MARKINGS SHALL BE OBLITERATED 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.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	2K

GENERAL NOTES

RESURFACING

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

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

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

(4) ON CURB AND GUTTER SECTIONS, PUBLIC ROAD INTERSECTIONS SHALL BE RESURFACED TO THE END OF RADIUS. A SATISFACTORY TRANSITION FROM THE NEW PAVEMENT TO THE EXISTING GRADE OF THE INTERSECTING PUBLIC ROAD SHALL BE PROVIDED.

(5) ON URBAN TYPICAL SECTIONS, (CURB AND GUTTER), RESIDENTIAL DRIVEWAYS AND BUSINESS ENTRANCES SHALL HAVE A MINIMUM WIDTH OF MATERIAL NOT LESS THAN ONE FOOT USED IN THE TRANSITION TO FEATHER THE PAVEMENT EDGE.

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

GRADED SOLID ROCK

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

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

SIGNING

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

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

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

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

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

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

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

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

(9) THE LENGTHS OF ALL SIGN SUPPORTS SHOWN ON THE SIGN SCHEDULE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY ALL SUPPORT LENGTHS AT THE SITE PRIOR TO ERECTION.

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

SIGNALIZATION

(1) EQUIPMENT AND INSTALLATION SHALL COMPLY WITH THE TDOT "SPECIAL PROVISIONS REGARDING SECTION 730K-TRAFFIC SIGNALS."

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

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

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

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

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

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

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

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

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

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

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

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

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

EROSION PREVENTION AND SEDIMENT CONTROL

DISTURBED AREA

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

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

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

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

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

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

CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	2L

GENERAL NOTES

EROSION PREVENTION AND SEDIMENT CONTROL

SEDIMENT CONTROL

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

(2) 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.

(3) 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.

(4) 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.

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

(6) 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.

(7) 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.

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

STREAM/WETLAND

(9) 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.

(10) 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.

(11) 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.

(12) 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.

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

(14) 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.

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

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

SPECIES

(17) 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

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

(19) 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.

(20) 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.

(21) 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.

(22) 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.

(23) 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.

(24) 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.

(25) 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

(26) 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.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	2M

GENERAL NOTES

EROSION PREVENTION AND SEDIMENT CONTROL

SWPPP, PERMITS, PLANS, RECORDS

(1) 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.

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

(3) 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.

(4) 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.

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

(6) 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.

(7) 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.

(8) 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.

(9) 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

(10) 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.

(11) 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) 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.

(4) EARTHWORK IS PAID FOR UNDER ITEM 203-01, ROAD AND DRAINAGE EXCAVATION (UNCLASSIFIED). NO ADDITIONAL PAYMENT WILL BE MADE FOR EARTHWORK QUANTITIES BASED SOLELY ON A CLAIM THAT THE QUANTITIES SHOWN IN THE GRADING TABULATION OR ELSEWHERE IN THE PLANS ARE INACCURATE WITH RESPECT TO THE TYPE OF MATERIALS ENCOUNTERED DURING CONSTRUCTION EXCEPT AS PROVIDED FOR BY SECTION 104.02 IN THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OR AS AMENDED IN SUPPLEMENTAL SPECIFICATIONS.

CONSTRUCTION OPERATIONS

CONTRACTOR SHALL COORDINATE CONSTRUCTION OPERATIONS WITH GERDAU AMERISTEEL US INC. ON A REGULAR BASIS WHILE MYNDERSE AVE AND TENNESSEE AVE ARE BEING CONSTRUCTED.

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 36 FOR NOTES REGARDING SEASONAL WORK LIMITATION OR LIMITATION ON THE TOTAL AREA OF EXPOSED SOIL.

ENVIRONMENTAL

ECOLOGY

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

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

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

STREAM RELOCATION

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

CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	2N

SIGNAL SPECIAL NOTES

L.E.D. SIGNAL HEADS

(1) ALL CIRCULAR AND ARROW INDICATIONS WITHIN ALL VEHICULAR SIGNAL HEADS PROPOSED FOR THIS PROJECT SHALL CONSIST OF AN LED (LIGHT EMITTING DIODE) SIGNAL MODULE UNLESS OTHERWISE NOTED IN THE PLANS.

(2) ALL PEDESTRIAN TRAFFIC CONTROL INDICATIONS, WHERE CALLED FOR, SHALL CONSIST OF LED MODULES DISPLAYING “WALKING PERSON” AND “HAND” SYMBOLS ALONG WITH A PEDESTRIAN INTERVAL COUNTDOWN DISPLAY, WITHIN THE SAME FACE UNLESS OTHERWISE NOTED IN THE PLANS.

(3) CIRCULAR INDICATIONS SHALL MEET “ITE VTCSH-LED CIRCULAR SIGNAL SUPPLEMENT” FOR EXPANDED/EXTENDED VIEW.

(4) ARROW INDICATIONS SHALL MEET “ITE VTCSH-3 LED ARROW SPECIFICATION” FOR EXPANDED/EXTENDED VIEW.

(5) PEDESTRIAN INDICATIONS SHALL MEET “ITE PTCSI PART 2”.

(6) INCANDESCENT OR SCREW-IN MODULES ARE NOT ACCEPTABLE.

(7) COMPATIBILITY WITH CONFLICT MONITORS AND LOAD SWITCHES SHALL BE TESTED AND CONFIRMED.

(8) MANUFACTURER SHALL PROVIDE A MINIMUM FIVE YEAR WARRANTY FOR OPERATION OF THE UNIT.

FIBER TESTING / SPECIFICATIONS

(1) CONTRACTOR SHALL INSTALL MULTI-MODE CABLE TO SIZE AS SHOWN ON PLANS. TRUNK CABLE SHALL FOLLOW STANDARD TIA/EIA 598B COLOR CODE SPECIFICATION.

(2) CONTRACTOR SHALL UTILIZE FUSION SPLICES FOR ALL FIBER CABLE CONNECTIONS. FO TRUNK CABLE END-OF-REEL BUTT-END SPLICES WILL NOT BE MEASURED SEPARATELY. COST OF END-OF-REAL SPLICES SHALL BE INCLUDED IN FO TRUNK CABLE UNIT BID PRICE. NUMBER OF REQUIRED FUSION SPLICES VARY BY ENCLOSURE. CONTRACTOR SHALL PROVIDE ENCLOSURE OF SIZE NECESSARY TO COMPLETE REQUIRED SPLICING.

(3) CONTRACTOR SHALL PERFORM ACCEPTANCE TESTING ON SPOOLED FIBER OPTIC CABLE PRIOR TO INSTALLATION (COST ABSORBED) TO CONFIRM MANUFACTURER'S SPECIFICATIONS. THE FIBER CABLE SHALL BE LABELED WITH MANUFACTURER'S NAME AND SEQUENTIAL DISTANCE MARKINGS. RESULTS OF ACCEPTANCE TEST TO BE DOCUMENTED AND PROVIDED TO ENGINEER UPON REQUEST. CONTRACTOR SHALL SET INDEX OF REFRACTION FOR CABLE DURING OTDR TESTS. CONTRACTOR SHALL DOCUMENT AND CALIBRATE FOR TRUE INDEX OF REFRACTION FOR CABLE TO BE INSTALLED.

(4) CONTRACTOR SHALL CONDUCT PERFORMANCE TESTS AFTER FIBER CABLE IS INSTALLED BUT PRIOR TO PERFORMING REQUIRED SPLICES. CONTRACTOR SHALL USE OTDR TO PERFORM SPAN CONTINUITY TEST. AFTER FIBER SPLICES ARE IMPLEMENTED, CONTRACTOR SHALL CONDUCT SPLICE ATTENUATION, OPTICAL RETURN LOSS AND FAULT LOCATION TESTS USING OTDR. ALL FUSION SPLICES SHOULD MEET TIA/EIA-758 OSP STANDARDS FOR SIGNAL LOSS. IF A SPLICE MEETS LOSS STANDARDS, THE dB LEVEL IS TO BE RECORDED ON THE PERFORMANCE TEST DOCUMENTATION SHEET. IF LOSS EXCEEDS STANDARDS, CABLES SHALL BE RE-SPLICED WITH EACH RE-SPLICE BEING DOCUMENTED. DOCUMENTATION OF ACCEPTANCE TEST REPORT SHOULD INCLUDE LOCATION OF EACH SPLICE, ITS LOSS AND MARKERS SHOWING ITS LOCATION. PAYMENT FOR CORRECTIVE SPLICING WILL NOT BE MADE.

(5) CONTRACTOR SHALL FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR FIBER OPTIC CABLE INSTALLATION TECHNIQUES AND STANDARDS. IN GENERAL, THE CONTRACTOR TO FOLLOW THE "NESC" STANDARDS FOR OUTSIDE PLANT FIBER INSTALLATION AND TIA/EIA-590-A FOR UNDERGROUND INSTALLATION. CONTRACTOR SHALL STRICTLY ADHERE TO MANUFACTURER'S MINIMUM BEND RADIUS. IN GENERAL, A MINIMUM BEND RADIUS OF 20x THE CABLE'S DIAMETER SHOULD BE USED DURING INSTALLATION (UNDER TENSILE LOAD) AND 10x THE CABLE'S DIAMETER UNDER STATIC LOAD (STORAGE CONDITIONS). CONTRACTOR SHALL ALSO FOLLOW THE CABLE'S RECOMMENDED HANDLING AND INSTALLATION GUIDELINES. CONTRACTOR SHALL OBSERVE THE MANUFACTURER'S MAXIMUM RECOMMENDED PULL STRENGTH (TENSION LOAD).

(6) CONTRACTOR SHALL PROVIDE CITY OF KNOXVILLE WITH FINAL FIBER OPTIC SPLICING SCHEMATIC AT CONCLUSION OF PROJECT. SCHEMATIC SHALL REFLECT FINAL IMPLEMENTATION OF FIBER CABLE INSTALLATION SHOWING PATH, FIBER COUNT, FIBER COLOR ASSIGNMENTS, SPLICE POINTS AND OTHER ITEMS REQUIRED BY ENGINEER.

FO CABLE MARKER SPECIAL NOTES

(1) THE CONTRACTOR SHALL INSTALL CABLE MARKERS TO IDENTIFY THE PROPOSED FIBER OPTIC COMMUNICATION CABLE. LEGENDS AND COLORS FOR MARKERS ARE TO APPEAR ACCORDING TO THE INFORMATION SUPPLIED BY THE CITY OF KNOXVILLE. THE MARKERS ARE TO BE PERMANENT, BRIGHTLY COLORED, NON-REFLECTIVE, WITH BLACK LETTERING. MARKERS ARE TO BE MANUFACTURED OF PLASTIC, VINYL OR FIBERGLASS MATERIAL THAT IS DURABLE, UV LIGHT-RESISTANT, WEATHER-PROOF AND SCRATCH-RESISTANT.

(2) CURB MARKERS SHALL BE INSTALLED TO IDENTIFY CABLES THAT ARE IN OR NEAR THE STREET. CURB MARKERS ARE TO BE FOUR-INCH DIAMETER ROUND DISKS TO BE APPLIED TO CONCRETE OR METAL SURFACES WITH AN ADHESIVE ACCORDING TO THE RECOMMENDATIONS OF THE MANUFACTURER. CURB MARKERS ARE TO BE INSTALLED ON CABINET AND POLE FOUNDATIONS ON THE SIDE ABOVE THE CABLE. CURB MARKERS ARE ALSO TO BE PLACED ON THE CURB AT 150-FOOT SPACING ALONG ANY RUN OF CABLE THAT IS PARALLEL TO THE CURB.

(3) NON-DETECTABLE MARKING TAPE SHALL BE PROVIDED AND INSTALLED AS PART OF TRENCHED CONDUIT FOR FIBER OPTIC CABLE. COST OF MARKER TAPE TO BE INCLUDED IN PRICE OF CONDUIT AND WILL NOT BE MEASURED SEPARATELY. MARKING TAPE SHALL BE A DIELECTRIC, POLYOLEFIN FILM TAPE, 0.004 IN. THICK AND 3 IN. WIDE. THE TAPE COLOR SHALL BE ORANGE WITH THE LEGEND “KNOXVILLE SIGNAL FIBER OPTIC CABLE” PRINTED AT INTERVALS NO GREATER THAN EVERY 6 FT.

(4) A METALLIC "TRACER" LINE SHALL BE INSTALLED WITH ALL UNDERGROUND FIBER OPTIC CABLE WITH COST INCLUDED IN THE PAYMENT OF THE FIBER OPTIC CABLE. CONDUIT DETECTION WIRE SHALL BE #10 AWG STRANDED COPPER ORANGE-INSULATED THHN-THWN CONDUCTOR.

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.

(2) POLE SCHEDULE INFORMATION PROVIDED FOR FABRICATION AND DESIGN BY MANUFACTURER AND ESTIMATION PURPOSES ONLY. CONTRACTOR SHALL SUBMIT SIGNAL POLE FOOTING DESIGN CALCULATIONS ALONG WITH SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION. POSITION OF PROPOSED SIGNAL POLES ARE APPROXIMATE, FINAL LOCATION MAY BE SHIFTED UP TO 3 FT WITH PRIOR APPROVAL OF ENGINEER. FINAL POLE DESIGN CRITERIA SHALL REFLECT ANY ADJUSTMENT OF POSITION.

(3) IN LOCATIONS WHERE THE PLANS CALL FOR INSTALLATION OF CONDUIT BY TRENCHING, THE CONTRACTOR MAY ELECT TO INSTALL BY JACKING OR BORING. NO ADDITIONAL PAYMENT WILL BE ALLOWED WHERE, IN THE JUDGMENT OF THE ENGINEER, THE CONDUIT COULD HAVE BEEN INSTALLED BY TRENCHING.

(4) POSITION OF CONDUIT AND PULL BOXES ARE APPROXIMATE AND SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. LOCATION OF CONDUIT AND PULL BOXES MAY BE SHIFTED SLIGHTLY TO AVOID CONFLICTS WITH UTILITIES OR OTHER FEATURES, WITH PRIOR APPROVAL FROM ENGINEER.

(5) UNLESS OTHERWISE NOTED ON PLANS, ALL BURIED CONDUIT FOR FIBER OPTIC CABLE (TRUNK CABLE) SHALL BE SCHEDULE 80 PVC OR HDPE CONDUIT. CONDUIT FOR SIGNAL CABLE MAY BE SCHEDULE 40 PVC CONDUIT, UNLESS OTHERWISE NOTED IN PLANS.

(4) CONTRACTOR SHALL INSTALL EMERGENCY PREEMPTION EQUIPMENT (SONEM 2000 OR APPROVED EQUAL) WHERE SHOWN AND AS SPECIFIED IN PLANS. CONTRACTOR SHALL PROGRAM PREEMPTION SIGNAL PHASING SEQUENCE AND SETTINGS IN SIGNAL CONTROLLER AND VERIFY PROPER OPERATION. COORDINATE WITH CITY ENGINEER.

(5) SIGNAL HEADS SHALL BE BLACK IN COLOR WITH ALUMINUM TOP SECTION AND TWO POLYCARBONATE BOTTOM SECTIONS HAVING A 12-INCH SIGNAL FACES AND HAVE POLYCARBONATE VACUUM FORMED BACKPLATES WITH LOUVERS.

(6) TRAFFIC SIGNAL INSTALLATION INCLUDES PROVISION FOR UNINTERRUPTABLE BATTERY BACKUP SYSTEM (NICKEL-ZINC BATTERIES). BACKUP SYSTEM SHALL BE INSTALLED WITHIN PROPOSED CABINET (UNDER SHELF MOUNT).

(7) ALL PROPOSED CONDUIT CROSSING EXISTING PAVEMENT OR ROADWAY SHALL BE SCHEDULE 80 OR RGS TYPE AND JACK/BORED BETWEEN PULL BOXES. OPEN CUT/TRENCH OF ROADWAYS IS NOT ALLOWED WITHOUT PRIOR APPROVAL FROM ENGINEER.

(8) THIS TRAFFIC SIGNALIZATION PLAN CONSISTS OF A NEW TRAFFIC CONTROL SIGNAL UTILIZING STEEL SIGNAL SUPPORT STRUCTURES AS SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH COPIES OF THE MILL DRAWING AND STRUCTURAL CERTIFICATION FOR ALL SIGNAL SUPPORT STRUCTURES.

(9) ELECTRICAL SERVICE CONNECTION SHALL INCLUDE A MINIMUM 1-INCH STEEL CONDUIT RISER WITH WEATHER HEAD. ALL ELECTRICAL PERMITS REQUIRED BY CITY ORDINANCES SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR AND AFTER COMPLETION OF THE WORK, THE ENGINEER SHALL BE FURNISHED A CERTIFICATE OF FINAL INSPECTION AND APPROVAL FROM THE ELECTRICAL INSPECTION DEPARTMENT OF THE CITY OF KNOXVILLE.

(10) THE CONTRACTOR SHALL PROVIDE A COMPLETE ELECTRICAL SERVICE AND SHALL COORDINATE THIS ACTIVITY WITH THE LOCAL UTILITY, INCLUDING THE PROVISION OF ANY REQUIRED METERING OR OTHER SPECIAL EQUIPMENT. THE SIGNAL CONTRACTOR WILL NOT CONTACT THE CITY OF KNOXVILLE TO REQUEST SERVICE HOOKUP UNTIL THE SIGNAL IS READY TO BE PLACED INTO OPERATION AND READY FOR FINAL INSPECTION BY THE CITY OF KNOXVILLE.

(11) THE SIGNAL CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE CITY SIGNAL MAINTENANCE SUPERVISOR, ALLEN ARNETT AT 865-215-6730 OR 865-215-6100 TO OBTAIN WIRING COLOR-CODE FOR 12 POSITION QUICK DISCONNECTS REQUIRED BY CITY.

(12) THE SIGNAL CONTRACTOR IS RESPONSIBLE FOR CONTACTING AND DELIVERING THE CONTROLLER AND SIGNAL MONITOR TO THE CITY SIGNAL MAINTENANCE SUPERVISOR, ALLEN ARNETT AT 865-215-6732 OR 865-215-6100 FOR TESTING AND PROGRAMMING A MINIMUM OF 15 WORKING DAYS PRIOR TO PLACING THE SIGNAL IN THE INITIAL START-UP FLASH SEQUENCE.

(13) THE CONTRACTOR SHALL PROVIDE A NEW CITY OF KNOXVILLE STANDARD CONFIGURATION NUMBER ONE WHICH WILL INCLUDE:

a. A CITY STANDARD EIGHT PHASE CABINET,

b. AN EIGHT PHASE CONTROLLER WITH FLASH MEMORY / ETHERNET PORTS,

c. SIGNAL MONITOR WITH DOWNLOAD CABLE,

d. EIGHT LOAD SWITCHES,

e. EIGHT FLASH TRANSFER RELAYS,

f. RADAR DETECTION UNIT WITH SENSORS FOR FOUR APPROACHES,

g. FLASHER AND ANY OTHER EQUIPMENT NECESSARY TO MAKE AN OPERATIONAL TRAFFIC SIGNAL BASED ON THE DESIGN PLANS PROVIDED.

h. CLOSED LOOP SIDE PANEL,

i. FIBER OPTIC SIDE PANELS,

j. BACKUP POWER SUPPLY AND BATTERIES FOR A COMPLETE SYSTEM

k. EMERGENCY VEHICLE PREEMPTION UNIT WITH RECEIVERS FOR FOUR APPROACHES.

(14) ALL EQUIPMENT WILL MEET ALL NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION STANDARDS. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH COPIES OF THE PAID INVOICES FOR ALL TRAFFIC SIGNAL EQUIPMENT INSTALLED ON THIS PROJECT.

(15) ALL SIGNAL CABLE SHALL BE INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION (IMSA) APPROVED CABLE:

a. TRAFFIC SIGNAL CABLE SHALL BE IMSA SPECIFICATION 19-1, 12 CONDUCTOR STRANDED WIRE.

b. PEDESTRIAN SIGNAL CABLE SHALL BE IMSA SPECIFICATION 19-1, 7 CONDUCTOR STRANDED WIRE.

c. PEDESTRIAN PUSHBUTTON SHALL BE IMSA SPECIFICATION 50-2, 2 CONDUCTOR STRANDED WIRE.

(16) ALL PAVEMENT MARKINGS AND SIGNAGE SHOWN ON THE PLANS, E.G., STOP BARS, LANE LINES, GUIDE LINE, SIGNAL AHEAD SIGNS, STREET NAME SIGNS, ETC., SHALL BE IN PLACE PRIOR TO ACTIVATION OF THE TRAFFIC SIGNAL START UP FLASH SEQUENCE.

(17) IT IS THE RESPONSIBILITY OF THE SIGNAL CONTRACTOR TO MAINTAIN THE TRAFFIC SIGNALS ON THE PROJECT UNTIL A FINAL INSPECTION IS COMPLETE. ALL DISCREPANCIES MUST BE CORRECTED AND ACCEPTED BEFORE THE CITY TAKES RESPONSIBILITY OF THE SIGNAL.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL NOTES

5/4/2016 11:02:40 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	20

CATCH BASINS AND MANHOLES

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSIONS	DEPTH (FT.)	STANDARD DRAWING	PAY ITEMS								
										TYPE 3 611-01-03 8' - 12'	TYPE 12 611-12.01 0' - 4'	TYPE 12 611-12.02 4' - 8'	TYPE 12 611-12.03 8' - 12'	TYPE 14 611-14.01 0' - 4'	TYPE 14 611-14.02 4' - 8'	TYPE 42 611-42.01 0' - 4'	TYPE 42 611-42.02 4' - 8'	TYPE 38 611-38.03 8' - 12'
4B	S.R. 62	110+09.83	-42.83	1	908.47	14	96"X36"	6.13	D-CB-14P						1			
4B	S.R. 62	110+09.83	42.00	2	908.49	14	96"X36"	5.35	D-CB-14P						1			
4B	S.R. 62	109+48.88	42.00	3	908.66	14	96"X36"	1.56	D-CB-14P					1				
4B	S.R. 62	109+25.00	42.00	4	908.82	12	32"X32"	3.83	D-CB-12LP		1							
4B	S.R. 62	110+75.00	42.00	6	908.68	12	32"X32"	4.39	D-CB-12LP			1						
4B	S.R. 62	107+15.00	-42.00	7	912.56	12	48"X36"	5.08	D-CB-12P			1						
4B	S.R. 62	107+15.00	42	8	912.56	12	48"X36"	3.71	D-CB-12P		1							
4B	MYNDERSE	12+53.07	-30.00	77	908.02	14	96"X36"	4.69	D-CB-14P						1			
4B	MYNDERSE	12+53.07	30.00	78	908.02	14	96"X36"	5.60	D-CB-14P						1			
4B	MYNDERSE	11+49.96	-30.00	81	908.62	12	48"X36"	7.37	D-CB-12P			1						
4B	MYNDERSE	11+49.96	30.00	82	908.62	12	48"X36"	7.79	D-CB-12P			1						
4B	S.R. 62	105+91.00	-54.42	133	916.50	42	32"X32"	3.22	D-CB-42S							1		
4B	S.R. 62	107+15.00	-56.00	134	911.10	42	32"X32"	3.05	D-CB-42S							1		
4B	S.R. 62	108+50.00	42.00	135	909.68	12	32"X32"	3.81	D-CB-12LP		1							
5B	S.R. 62	116+60.00	42.00	19	925.19	14	96"X36"	4.46	D-CB-14P						1			
5B	S.R. 62	116+60.00	-42.00	20	928.07	12	32"X32"	8.31	D-CB-12LP				1					
5B	S.R. 62	112+13.98	-58.50	23	911.93	12	32"X32"	4.26	D-CB-12LP			1						
5B	S.R. 62	112+14.00	42.00	24	910.43	14	96"X36"	4.35	D-CB-14P						1			
5B	S.R. 62	114+00.00	42.00	84	915.11	14	96"X36"	4.43	D-CB-14P						1			
5B	TENNESSEE	72+00.00	19.00	107	913.92	12	48"X36"	4.25	D-CB-12P			1						
5B	TENNESSEE	70+65.39	-62.50	108	908.05	12	32"X32"	4.25	D-CB-12LP			1						
5B	TENNESSEE	70+56.80	-6.29	143	909.25	14	96"X36"	5.66	D-CB-14P						1			
5B	S.R. 62	122+64.96	-42.00	136	938.19	12	32"X32"	7.69	D-CB-12LP			1						
5B	S.R. 62	122+65.03	42.00	137	937.29	12	32"X32"	7.56	D-CB-12LP			1						
6B	S.R. 62	124+75.00	42.00	86	934.23	12	32"X32"	6.55	D-CB-12LP			1						
6B	S.R. 62	126+50.00	42.00	31	929.17	12	48"X36"	9.14	D-CB-12P				1					
6B	S.R. 62	124+75.00	-45.49	131	934.15	12	48"X36"	4.25	D-CB-12P			1						
6B	S.R. 62	125+74.78	-57.00	149	929.60	42	32"X32"	3.71	D-CB-42S							1		
6B	S.R. 62	126+50.00	-42.00	30	929.17	14	96"X36"	7.36	D-CB-14P						1			
6B	MASS.	202+78.00	-20.00	26	942.61	12	48"X36"	3.71	D-CB-12P		1							
6B	MASS.	201+55.00	-26.00	28	938.13	12	48"X36"	3.71	D-CB-12P		1							
6B	MASS.	200+81.06	-40.42	138	935.60	12	48"X36"	4.25	D-CB-12P			1						
6B	MASS.	202+78.39	20.63	139	942.24	12	48"X36"	3.71	D-CB-12P		1							
6B	MASS.	201+55.00	26.00	29	938.13	14	96"X36"	4.42	D-CB-14P						1			
6B	MASS.	200+81.83	34.90	132	935.63	14	96"X36"	4.42	D-CB-14P						1			
6B	S.R. 62	128+50.00	42.00	91	922.41	12	32"X32"	3.71	D-CB-12P		1							
6B	S.R. 62	130+50.00	42.00	33	915.66	12	48"X36"	6.47	D-CB-12P			1						
6B	S.R. 62	132+00.00	42.00	150	910.46	12	48"X36"	3.87	D-CB-12P		1							
6B	S.R. 62	134+00.00	42.00	35	903.84	12	48"X36"	8.63	D-CB-12P				1					
6B	S.R. 62	129+00.00	-42.00	90	920.72	14	96"X36"	4.30	D-CB-14P						1			
6B	S.R. 62	130+50.00	-42.00	32	915.66	12	48"X36"	5.48	D-CB-12P			1						
6B	S.R. 62	132+00.00	-42.00	92	911.93	12	32"X32"	3.71	D-CB-12P		1							
6B	S.R. 62	132+57.51	-55.00	146	910.50	42	32"X32"	5.25	D-CB-42S								1	
6B	S.R. 62	132+95.18	-55.00	147	908.50	42	32"X32"	4.50	D-CB-42S								1	
6B	S.R. 62	134+00.00	-42.00	34	904.17	12	48"X36"	4.43	D-CB-12P			1						
6B	BOWLING	5+50.00	-13.00	124	937.78	12	48"X36"	3.71	D-CB-12P		1							
6B	MARYLAND	32+08.00	-15.00	126	940.45	12	48"X36"	3.71	D-CB-12P		1							
6B	MARYLAND	32+08.00	11.49	122	940.50	12	48"X36"	4.10	D-CB-12P			1						
6B	MARYLAND	31+31.00	14.00	125	931.99	12	48"X36"	4.25	D-CB-12P			1						
6B	MARYLAND	30+70.12	14.00	87	926.60	12	48"X36"	3.71	D-CB-12P		1							
6B	MARYLAND	30+69.87	-14	88	926.60	12	48"X36"	4.05	D-CB-12P			1						
6B	VERMONT	42+74.47	14.61	144	933.44	12	32"X32"	3.71	D-CB-12LP		1							
6B	VERMONT	42+75.00	-14.25	127	933.44	12	48"X36"	4.42	D-CB-12P			1						
6B	VERMONT	41+75.01	-14.00	145	922.66	12	48"X36"	3.71	D-CB-12P		1							
TOTALS										**0**	**14**	**19**	**3**	**1**	**12**	**3**	**2**	**0**

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	2P

CATCH BASINS AND MANHOLES

	SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSIONS	DEPTH (FT.)	STANDARD DRAWING	PAY ITEMS TYPE 3 611-01-02 4' - 8'	TYPE 12 611-12.01 0' - 4'	TYPE 12 611-12.02 4' - 8'	TYPE 12 611-12.03 8' - 12'	TYPE 14 611-14.02 4' - 8'	TYPE 14 611-14.03 8' - 12'	TYPE 42 611-42.01 0' - 4'	TYPE 42 611-42.02 4' - 8'	611-09.01 ADJUST. EX. CB	611-09.03 CAPPING EX. CB
	6B	VERMONT	40+80.00	14.00	37	915.29	12	32"X32"	3.71	D-CB-12LP		1								
	6B	VERMONT	40+80.00	-14.00	36	915.29	12	32"X32"	4.42	D-CB-12LP			1							
	6B	VIRGINIA	52+00.15	-14.74	152	906.57	12	32"X32"	4.42	D-CB-12LP			1							
	6B	VIRGINIA	51+10.00	15.00	39	902.44	12	48"X36"	4.25	D-CB-12P			1							
	6B	VIRGINIA	50+90.00	-15.00	38	901.90	12	48"X36"	4.67	D-CB-12P			1							
	6B	WESTERN	83+07.11	13.73	179	889.56	12	32"X32"	4.25	D-CB-12LP			1							
	6B	WESTERN	83+07.11	-14.67	180	889.55	12	48"X36"	4.70	D-CB-12P			1							
	7B	S.R.62	135+00.00	-42.00	64	900.46	12	48"X36"	3.40	D-CB-12P			1							
	7B	S.R.62	136+00.49	-55.00	153	897.30	42	32"X32"	2.95	D-CB-42S								1		
	7B	S.R.62	136+25.41	-58.54	154	897.00	42	32"X32"	3.95	D-CB-42S							1			
	7B	S.R.62	136+50.00	-42.00	40	895.68	12	48"X36"	4.25	D-CB-12P			1							
	7B	S.R.62	136+75.00	42.00	41	895.05	12	48"X36"	4.75	D-CB-12P			1							
	7B	S.R.62	138+93.61	106.74	156	886.44	MH	84" DIA.	6.15	D-MH-2	1									
	7B	S.R.62	139+09.13	41.86	44	893.95	14	96"X36"	8.44	D-CB-14P						1				
	7B	S.R.62	138+36.67	-63.51	97	892.78	14	96"X36"	4.69	D-CB-14P					1					
	7B	S.R.62	139+09.66	-44.18	42	892.43	14	96"X36"	5.76	D-CB-14P					1					
	7B	S.R.62	139+50.00	-44.00	43	892.11	14	96"X36"	4.42	D-CB-14P					1					
	7B	S.R.62	141+02.96	-32.00	69	893.65	12	48"X36"	4.91	D-CB-12P			1							
	7B	S.R.62	141+50.00	-48.00	111	905.77	14	96"X36"	4.42	D-CB-14P			1							
	7B	S.R.62	142+79.73	-49.71	112	895.20	42	32"X32"	3.20	D-CB-42S							1			
	7B	S.R.62	142+79.37	-32.00	113	894.81	12	48"X36"	3.71	D-CB-12P		1								
	7B	S.R.62	144+63.82	-31.86	117	894.08	12	48"X36"	4.63	D-CB-12P			1							
	7B	S.R.62	144+63.76	26.11	114	893.98	EXIST.	EXIST.	EXIST.											1
	7B	S.R.62	145+05.49	-36.84	118	893.98	EXIST.	EXIST.	EXIST.										1	
	7B	S.R.62	145+55+/-	-43.78	119	894.13	EXIST.	EXIST.	EXIST.										1	
	7B	S.R.63	145+83+/-	-28.94	120	892.94	EXIST.	EXIST.	EXIST.										1	
	7B	KEITH	66+54.80	-26.00	93	904.54	12	48"X36"	3.71	D-CB-12P		1								
	7B	KEITH	66+54.80	26.00	66	904.54	12	48"X36"	4.29	D-CB-12P			1							
	7B	KEITH	65+07.31	-27.28	65	895.25	12	48"X36"	3.71	D-CB-12P		1								
	7B	KEITH	65+04.56	26.00	68	895.15	12	48"X36"	4.25	D-CB-12P			1							
	7B	KEITH	64+92.00	40.00	155	894.80	42	48"X48"	4.27	D-CB-42SB								1		
	7B	KEITH	64+68.00	40.00	157	894.00	42	48"X48"	4.12	D-CB-42SB								1		
	7B	KEITH (WEST)	317+82.80	24.04	52	898.75	12	48"X36"	3.71	D-CB-12P		1								
	7B	KEITH (WEST)	317+78.27	-20.46	53	899.12	12	48"X36"	4.67	D-CB-12P			1							
	8B	MYNDERSE	16+52.88	-15.92	48	916.34	12	48"X36"	3.71	D-CB-12P		1								
	8B	MYNDERSE	16+53.10	15.91	49	916.34	12	48"X36"	3.71	D-CB-12P		1								
	8B	MYNDERSE	15+29.00	-22.18	75	913.62	12	48"X36"	4.27	D-CB-12P			1							
	8B	MYNDERSE	15+29.00	22.11	76	913.62	12	48"X36"	3.71	D-CB-12P		1								
	8B	MYNDERSE	13+50.00	30.16	79	908.83	12	48"X36"	3.71	D-CB-12P		1								
	8B	MYNDERSE	13+50.00	-30.00	80	908.83	12	48"X36"	4.25	D-CB-12P			1							
	9B	MASS.	212+00.00	-20.00	103	939.75	12	96"X36"	5.61	D-CB-12P			1							
	9B	MASS.	212+00.00	20.00	58	939.00	14	48"X36"	4.42	D-CB-14P					1					
	9B	MASS.	211+00.00	20.00	104	939.47	12	48"X36"	3.71	D-CB-12P		1								
	9B	MASS.	210+00.00	20.00	59	940.28	12	48"X36"	3.71	D-CB-12P		1								
	9B	MASS.	208+50.00	20.00	102	942.67	14	96"X36"	5.25	D-CB-14P					1					
	9B	MASS.	208+50.00	-20.00	57	942.42	12	48"X36"	5.35	D-CB-12P			1							
	9B	MASS.	207+35.00	-20.00	99	945.74	12	48"X36"	4.55	D-CB-12P			1							
	9B	MASS.	207+15.00	20.00	100	947.07	12	48"X36"	4.82	D-CB-12P			1							
	9B	MASS.	204+00.00	-20.00	85	946.33	14	96"X36"	4.42	D-CB-14P					1					
	9B	MASS.	204+00.00	20.00	140	947.05	12	48"X36"	3.71	D-CB-12P		1								
1	9B	ALLEY	1+50.00	-12.28	109	946.93	42	32"X32"	2.96	D-CB-42S							1			
1	9B	ALLEY	1+50.00	16.78	110	946.92	42	32"X32"	3.37	D-CB-42S							1			
2	9B	ALLEY	1+55.00	-14.00	115	941.28	42	32"X32"	2.96	D-CB-42S							1			
2	9B	ALLEY	1+50.00	14.00	116	941.30	42	32"X32"	3.25	D-CB-42S							1			
	TOTALS										**1**	**12**	**21**	**0**	**6**	**1**	**6**	**3**	**3**	**1**

1. LT. MASS. STA. 207+00.00
2. RT. MASS. STA. 209+17.35

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

5/4/2016 11:06:03 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	20

CATCH BASINS AND MANHOLES

	SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSIONS	DEPTH (FT.)	STANDARD DRAWING	PAY ITEMS									
											TYPE 3 611-01-03 8' - 12'	TYPE 12 611-12.01 0' - 4'	TYPE 12 611-12.02 4' - 8'	TYPE 12 611-12.03 8' - 12'	TYPE 14 611-14.02 4' - 8'	TYPE 38 611-38.03 8' - 12'	TYPE 42 611-42.01 0' - 4'	TYPE 42 611-42.02 4' - 8'	611-09.01 ADJUST. EX. CB	611-09.03 CAPPING EX. CB
	9B	HAWKINS	5+00.00	22.47	101	971.07	38	32"X32"	8.00	D-CB-38S						1				
	9B	TENNESSEE	77+70.00	21.25	105	932.71	12	48"X36"	4.55	D-CB-12P			1							
	9B	TENNESSEE	76+75.00	19.00	61	926.20	12	48"X36"	4.25	D-CB-12P			1							
	9B	TENNESSEE	75+70.00	19.00	106	922.76	12	48"X36"	4.25	D-CB-12P			1							
	9B	TENNESSEE	74+65.00	19.00	141	920.56	12	48"X36"	4.25	D-CB-12P			1							
	9B	TENNESSEE	73+50.00	19.00	142	918.14	12	48"X36"	4.25	D-CB-12P			1							
	10B	KEITH (WEST)	307+93.38	-40.22	75	904.5+/-	EXIST.	EXIST.	EXIST.										1	
	10B	KEITH (WEST)	308+21.18	-14.2	76	903.2+/-	EXIST.	EXIST.	EXIST.										1	
	10B	KEITH (WEST)	308+50.72	-14.5	77	902.1+/-	EXIST.	EXIST.	EXIST.										1	
	10B	KEITH (WEST)	308+90.33	-15.5	78	899.70	EXIST.	EXIST.	EXIST.											1
	10B	KEITH (WEST)	309+92.64	-40.95	196	893.69	EXIST.	EXIST.	6.90	D-CB-12P			1							
	10B	MCTEER	0+32.36	-16.64	73	905.00	12	48"X36"	7.95	D-CB-12P			1							
	10B	KEITH (WEST)	308+50.72	14.48	74	901.64	14	96"X36"	5.17	D-CB-14P					1					
	10B	KEITH (WEST)	309+36.00	14.00	79	897.66	12	48"X36"	4.25	D-CB-12P			1							
	10B	KEITH (WEST)	310+21.62	14.00	83	895.14	12	48"X36"	4.25	D-CB-12P			1							
	10B	KEITH (WEST)	310+21.62	26.00	82	894.61	42	32"X32"	3.43	D-CB-42S							1			
	10B	KEITH (WEST)	311+04.40	-14.00	160	895.27	12	32"X32"	4.25	D-CB-12LP			1							
	10B	KEITH (WEST)	311+04.40	14.00	161	894.37	14	96"X36"	5.00	D-CB-14P					1					
	10B	KEITH (WEST)	311+04.40	26.00	162	893.56	42	32"X32"	3.45	D-CB-42S							1			
	10B	KEITH (WEST)	311+79.74	14.00	163	895.64	12	48"X36"	7.14	D-CB-12P			1							
	10B	KEITH (WEST)	311+79.76	-14.00	166	895.52	12	48"X36"	7.47	D-CB-12P			1							
	10B	KEITH (WEST)	312+79.74	14.00	173	898.07	12	32"X32"	4.35	D-CB-12LP			1							
	10B	KEITH (WEST)	312+79.76	-14.00	174	898.07	12	48"X36"	4.70	D-CB-12P			1							
	10B	KEITH (WEST)	314+08.24	14.00	54	902.68	12	32"X32"	4.49	D-CB-12LP			1							
	10B	KEITH (WEST)	314+08.26	-14.00	55	902.44	12	48"X36"	4.66	D-CB-12P			1							
	10B	KEITH (WEST)	316+99.98	15.31	50	905.36	12	32"X32"	4.25	D-CB-12LP			1							
	10B	KEITH (WEST)	317+00.00	-14.00	51	904.16	12	48"X36"	4.25	D-CB-12P			1							
	10B	STERCHI	90+46.88	-23.17	164	896.67	12	32"X32"	6.97	D-CB-12LP			1							
	10B	STERCHI	90+31.11	14.00	165	896.28	12	48"X36"	7.15	D-CB-12P			1							
	10B	STERCHI	91+94.10	14.00	171	900.25	12	32"X32"	4.25	D-CB-12LP			1							
	10B	STERCHI	91+94.10	-14.00	172	900.25	12	32"X32"	4.70	D-CB-12LP			1							
	10B	STERCHI	92+00.00	14.00	177	906.96	12	32"X32"	4.25	D-CB-12LP			1							
	10B	STERCHI	92+00.00	-14.00	178	906.96	12	48"X36"	7.77	D-CB-12P			1							
	10B	STERCHI	94+00.00	14.00	175	905.85	14	96"X36"	4.01	D-CB-14P					1					
	10B	STERCHI	94+00	-14.00	176	905.85	14	96"X36"	4.62	D-CB-14P					1					
1	10B	ALLEY	1+35.18	11.63	80	911.28	42	32"X32"	3.50	D-CB-42S							1			
1	10B	ALLEY	0+63.02	10.90	81	897.72	42	60" DIA	5.00	D-CB-42RB								1		
	10B	OLD KEITH	1+26.86	-47.58	191	882.50	42	32"X32"	3.14	D-CB-42S							1			
	10B	OLD KEITH	0+85.61	-14.39	192	882.86	12	32"X32"	4.25	D-CB-12LP			1							
	10B	OLD KEITH	1+11.36	-14.00	193	882.47	14	96"X36"	4.63	D-CB-14P					1					
	10B	OLD KEITH	1+11.36	14.00	194	882.47	14	96"X36"	5.20	D-CB-14P					1					
	10B	OLD KEITH	1+44.15	14.00	195	882.94	12	48"X36"	4.79	D-CB-12P			1							
	10B	OLD KEITH	1+66.00	14.00	198	883.76	12	48"X36"	4.25	D-CB-12P			1							
	10B	WESTERN	89+36.04	14.00	167	894.94	12	48"X36"	7.56	D-CB-12P			1							
	10B	WESTERN	89+36.04	-14.00	168	895.02	12	32"X32"	4.25	D-CB-12LP			1							
	10B	WESTERN	88+44.78	14.03	169	890.39	12	48"X36"	4.25	D-CB-12P			1							
	10B	WESTERN	88+44.78	-14.00	170	891.27	12	48"X36"	5.60	D-CB-12P			1							
	10B	WESTERN	87+25.81	-0.31	190	885.07	# 3 MH	72" DIA	9.78	D-MH-2	1									
	10B	WESTERN	86+86.94	35.26	199	879.80	42	60" DIA	3.70	D-CB-42RB							1			
	10B	WESTERN	86+53.22	-14.00	188	882.68	12	32"X32"	5.88	D-CB-12LP			1							
	10B	WESTERN	86+53.22	14.00	189	882.32	12	48"X36"	5.23	D-CB-12P			1							
	10B	WESTERN	86+16.62	27.16	200	881.10	42	60" DIA	3.67	D-CB-42RB							1			
	10B	WESTERN	85+68.39	14.00	183	881.36	14	96"X36"	4.42	D-CB-14P					1					
	10B	WESTERN	85+68.39	-14.00	186	881.36	14	96"X36"	5.29	D-CB-14P					1					
	TOTALS										**1**	**0**	**33**	**0**	**8**	**1**	**6**	**1**	**3**	**1**

1. RT. KEITH (WEST) STA. 310+50.00

CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	2R

CATCH BASINS AND MANHOLES

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSIONS	DEPTH (FT.)	STANDARD DRAWING	PAY ITEMS TYPE 3 611-01-02 4' - 8'	TYPE 12 611-12.01 0' - 4'	TYPE 12 611-12.02 4' - 8'	TYPE 12 611-12.03 8' - 12'	TYPE 14 611-14.02 4' - 8'	TYPE 38 611-38.03 8' - 12'	TYPE 42 611-42.01 0' - 4'	TYPE 42 611-42.02 4' - 8'	611-09.01 ADJUST. EX. CB	611-09.03 CAPPING EX. CB
10B	WESTERN	84+10.90	14.00	181	884.67	12	32"X32"	4.25	D-CB-12LP			1							
10B	WESTERN	84+11.04	-14.00	182	884.64	12	32"X32"	4.67	D-CB-12LP			1							
10B	WESTERN	85+18.47	14.00	185	881.70	12	32"X32"	5.41	D-CB-12LP			1							
10B	WESTERN	85+18.47	-14.00	187	881.70	12	48"X36'	6.02	D-CB-12P			1							
TOTALS										0	0	4	0	0	0	0	0	0	0

STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	REINFORCED CONC. PIPE - CLASS III SIZE & LENGTH (L.F.) 18"	24"	30"	36"	48"	RIP-RAP 709-05.06 (TON)
4B	CB-4	904.99	CB-2	903.47	1.90	80					
5B	CB-84	910.68	CB-24	906.41	2.43	176					
5B/4B	CB-24	906.08	CB-6	905.41	0.50	134					
4B	CB-6	904.29	CB-2	903.47	1.32	62					
4B	CB-2	903.14	CB-1	902.67	0.55		86				
4B	CB-1	902.34	CB-81	901.42	0.66		140				
4B	CB-81	901.25	CB-82	900.95	0.50		60				
5B/4B	CB-23	907.67	CB-82	904.43	3.00	108					
4B	CB-82	900.83	RCB	900.52	0.50		62				
4B	CB-133	913.28	CB-134	908.17	4.12	124					
4B	CB-8	908.85	CB-7	907.65	1.50	80					
4B	CB134	908.05	CB-7	907.65	2.86	14					
4B	CB-7	907.48	CB-135	905.99	1.11	134					
4B	CB-135	905.87	RCB	903.11	3.00	92					
8B	CB-48	912.63	CB-75	909.52	2.68	116					
8B	CB-75	909.35	CB-80	904.75	2.58	182					
8B	CB-49	912.63	CB-76	910.08	2.06	124					
8B	CB-76	909.91	CB-75	909.52	0.89	44					
4B/8B	CB-79	905.12	CB-78	902.75	2.47	96					
4B/8B	CB-80	904.58	CB-77	903.66	0.98	94					
4B	CB-77	903.33	CB-78	902.75	1.04	56					
4B	CB-78	902.42	RCB	902.20	1.00	22					
5B	CB-19	920.73	CB-20	919.93	0.98	82					
5B	CB-20	919.76	EW-208	918.43	4.43	30					
9B	CB-101	963.07	CB-100	942.42	0.50	130					
9B	CB-100	942.25	CB-99	941.41	2.00	42					
9B	CB-109	943.97	CB-110	943.67	1.00	30					
9B	CB-110	943.55	CB-99	941.41	5.35	40					
9B	CB-99	941.19	CB-57	937.24	3.73	106					
9B	CB-115	938.32	CB-116	938.17	0.50	30					
9B	CB-116	938.05	CB-102	937.75	0.50	60					
9B	CB-102	937.42	CB-57	937.24	0.50	36					
9B	CB-57	937.07	CB-105	928.38	7.01	124					
9B	CB-59	936.57	CB-104	935.93	0.73	88					
9B	CB-104	935.76	CB-58	934.91	0.97	88					
9B	CB-58	934.58	CB-103	934.31	0.75	36					
9B	CB-103	934.14	CB-105	928.33	1.86	312					
9B	CB-105	928.16	CB-61	922.12	7.55	80					
9B	CB-61	921.95	CB-106	918.68	3.27		100				
9B	CB-106	918.51	CB-141	916.48	1.95		104				
9B	CB-141	916.31	CB-142	914.06	1.94		116				
TOTALS						3052	668	0	0	0	0

STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	REINFORCED CONC. PIPE - CLASS III SIZE & LENGTH (L.F.) 18"	24"	30"	36"	48"	RCP-CLASS V 36"	RIP-RAP 709-05.06 (TON)
9B/5B	CB-142	913.89	CB-107	910.14	2.50		150					
5B	CB-107	909.67	CB-143	903.24	4.40		146					
5B	CB-108	903.80	CB-143	903.24	1.00	56						
5B	CB-143	902.91	EW-209	893.41	6.25						152	
9B/6B	CB-85	941.91	CB-26	939.02	2.49	116						
6B	CB-26	938.90	CB-28	934.59	3.59	120						
6B	CB-28	934.42	CB-138	931.52	3.92	74						
6B/5B	CB-138	931.35	CB-136	930.67	0.81	84						
5B	CB-136	930.50	CB-137	929.90	0.71	84						
5B/6B	CB-137	929.73	CB-86	927.85	0.91	206						
6B	CB-86	927.68	CB-31	922.43	3.05	172						
9B/6B	CB-140	943.34	CB-139	938.70	3.80	122						
6B	CB-139	938.53	CB-29	934.04	3.74	120						
6B	CB-29	933.71	CB-132	931.54	3.10	70						
6B	CB-132	931.21	CB-131	930.20	1.53	66						
6B	CB-131	929.90	CB-149	926.06	3.92	98						
6B	CB-149	925.89	CB-30	924.29	2.16	74						
6B	CB-126	936.74	CB-122	936.57	0.77	22						
6B	CB-122	936.40	CB-124	934.24	6.35	34						
6B	CB-124	934.07	CB-125	927.91	9.63	64						
6B	CB-125	927.74	CB-87	923.06	8.07	58						
6B	CB-87	922.89	CB-88	922.72	0.71	24						
6B	CB-88	922.55	CB-30	922.14	0.50		82					
6B	EW-206	922.76	CB-30	922.14	3.10	20						
6B	CB-30	921.81	CB-31	920.89	1.18		78					
6B	CB-31	920.03	EW-207	919.88	0.63			24				
6B	CB-91	918.70	CB-33	909.40	4.65	200						
6B	CB-90	916.42	CB-32	910.39	4.25	142						
6B	CB-144	929.73	CB-127	929.35	1.36	28						
6B	CB-127	929.02	CB-145	919.12	9.90	100						
6B	CB-145	918.95	CB-36	911.20	8.07	96						
6B	CB-37	911.58	CB-36	911.20	1.58	24						
6B	CB-36	910.87	CB-32	910.39	1.00	48						
6B	CB-32	910.18	CB-33	909.40	0.93	84						
6B	CB-33	909.19	EW-211	908.90	2.90	10						
6B	EW-210	909.13	CB-92	908.64	4.08	12						
6B	CB-92	908.36	CB-150	906.76	1.90	84						
6B	CB-150	906.59	CB-35	895.38	0.62	196						
6B	CB-146	905.25	CB-147	904.12	2.83	40						
6B	CB-147	904.00	CB-34	896.62	6.83	108						
6B	CB-152	902.15	CB-38	897.44	4.21	112						
TOTALS						2968	456	24	0	0	152	0

CONSTRUCTABILITY FIELD REVIEW

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TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	2S

STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	REINFORCED CONC. PIPE - CLASS III SIZE & LENGTH (L.F.) 18"	24"	30"	36"	48"	RCP-CLASS V 36"	RIP-RAP 709-05.06 (TON)
6B	CB-38	897.23	CB-34	896.62	1.09	56						
6B	CB-34	896.45	CB-35	895.38	1.27	84						
6B/7B	CB-35	895.21	CB-41	890.47	1.72	276						
7B	CB-64	896.25	CB-153	893.42	2.83	100						
7B	CB-153	893.30	CB-154	893.12	0.69	26						
7B	CB-154	893.00	CB-40	891.60	4.67	30						
7B	CB-40	891.43	CB-41	890.47	1.14	84						
7B	CB-41	890.30	MH156	880.81	4.20	226						
7B	CB-93	900.83	CB-66	900.37	0.88	52						
7B	CB-66	900.25	CB-68	891.02	6.07	152						
7B	CB-65	891.54	CB-68	891.02	0.96	54						
7B	CB-68	890.90	CB-155	890.70	1.00	20						
7B	CB-155	890.53	CB-157	890.05	2.00	24						
7B	CB-157	889.88	CB-97	888.42	3.32	44						
7B	CB-97	888.09	CB-42	887.35	1.00	74						
7B	CB-111	901.35	CB-112	893.41	6.62	120						
7B	CB-112	892.00	CB-113	891.27	4.56	16						
7B	CB-113	891.10	CB-69	888.85	1.34	168						
7B	CB-69	888.74	CB-43	888.02	0.50	144						
7B	CB-43	887.69	CB-42	887.00	1.92	36						
7B	CB-42	886.67	CB-44	886.19	0.55		88					
7B	CB-44	885.51	MH156	880.62	7.41			66				
7B/10B	MH156	874.60	EW-212	871.62	2.29						130	
7B	CB-52	895.04	CB-53	894.62	0.95	44						
10B	CB-50	901.11	CB-51	900.08	3.43	30						
10B/7B	CB-51	899.91	CB-53	894.62	7.15	74						
7B/10B	CB-53	894.45	EW-213	893.00	4.26	34						
6B	CB-179	885.31	CB-180	885.01	1.25	24						
6B/10B	CB-180	884.85	CB-182	880.14	4.71	100						
10B	CB-181	880.42	CB-182	880.14	1.17	24						
10B	CB-182	879.97	CB-187	875.85	3.96	104						
10B	CB-183	876.94	CB-185	876.46	1.09	44						
10B	CB-185	876.29	CB-187	875.85	1.83	24						
10B	CB-200	877.43	CB-189	877.26	0.50	34						
10B	CB-189	877.09	CB-188	876.97	0.50	24						
10B	CB-188	876.80	CB-186	876.40	0.50	80						
10B	CB-186	876.07	CB-187	875.85	0.50	44						
10B	CB-187	875.68	EW-203	875.61	0.50	14						
10B	CB-197	898.04	CB-73	897.22	1.95	42						
10B	CB-73	897.05	CB-74	896.64	1.46	28						
10B	CB-74	896.47	CB-77	895.02	5.18	28						
10B	CB-77	895.14	CB-78	888.25			EXIST.					
10B	CB-78	892.90	CB-196	888.25			EXIST.					
10B	CB-196	886.79	CB-198	879.68	4.94		144					
10B	CB-198	879.51	CB-195	879.32	1.06		18					
10B	CB-195	878.15	CB-194	877.60	1.72			32				
10B	CB-191	879.36	CB-193	878.17	3.13	38						
10B	CB-192	878.51	CB-193	878.17	1.42	24						
10B	CB-193	877.84	CB-194	877.60	1.00	24						
10B	CB-194	877.27	MH-190	875.87	1.23			114				
10B	CB-199	876.10	MH-190	875.87	0.50	46						
10B	MH-190	875.29	RCB	875.04	0.96			26				
10B	CB-79	893.41	CB-83	891.06	2.94	80						
10B	CB-80	907.78	CB-81	892.89	6.27	78						
10B	CB-81	892.72	CB-82	891.30	3.94	36						
10B	CB-82	891.18	CB-83	891.06	1.00	12						
10B	CB-83	890.89	CB-161	889.70	1.57	76						
10B	CB-160	891.02	CB-161	889.70	5.50	24						
10B	CB-162	890.11	CB-161	889.70	3.42	12						
10B	CB-161	889.37	CB-163	888.67	1.00	70						
TOTALS						**3102**	**250**	**238**	**0**	**0**	**130**	**0**

STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	REINFORCED CONC. PIPE - CLASS III SIZE & LENGTH (L.F.) 18"	24"	30"	36"	48"	RIP-RAP 709-05.06 (TON)
10B	CB-164	889.70	CB-165	889.30	1.05	38					
10B	CB-165	889.13	CB-163	888.67	1.00	46					
10B	CB-163	888.50	CB-166	888.22	1.00	28					
10B	CB-166	888.05	CB-167	887.55	1.00	50					
10B	CB-168	890.77	CB-167	887.55	11.50	28					
10B	CB-167	887.38	CB-169	886.31	1.22	88					
10B	CB-169	886.14	CB-170	885.84	1.15	26					
10B	CB-170	885.67	EW-205	883.76	7.35	26					
10B	CB-171	896.00	CB-172	895.72	1.00	28					
10B	CB-172	895.55	CB-173	893.99	4.59	34					
10B	CB-173	893.72	CB-174	893.51	0.81	26					
10B	CB-54	898.19	CB-55	897.96	0.88	26					
10B	CB-55	897.78	CB-174	893.51	3.39	126					
10B	CB-174	893.37	EW-202	885.49	17.91	44					
10B	CB-175	901.80	CB-176	901.56	0.92	26					
10B	CB-176	901.23	CB-178	899.36	0.84	200					
10B	CB-177	902.71	CB-178	902.25	1.92	24					
10B	CB-178	899.19	EW-200	898.77	2.10	20					
5B	EW	214	EW	215	8.00	28					
TOTALS						**912**	**0**	**0**	**0**	**0**	**0**

REMOVAL OF BUILDINGS AND OBSTRUCTIONS DESCRIPTION BLOCK

PAY ITEM	TRACT NO.	DESCRIPTION
206-06.01	5	
206-06.02	6	
206-06.03	8	
206-06.04	9	
206-06.05	11	
206-06.06	21	
206-06.07	24	
206-06.08	25	
206-06.09	26	
206-06.10	27	
206-06.11	36	
206-06.12	37	
206-06.13	39	
206-06.14	40	
206-06.15	41	
206-06.16	57	
206-06.17	58	
206-06.18	67	
206-06.19	75	
206-06.20	77	
206-06.21	87	
206-06.22	88	
206-06.23	93	
206-06.24	94	
206-06.25	116	
206-06.26	119	
206-06.27	124	
206-06.29	152	
206-06.29	153	

NO ADDITIONAL COMPENSATION WILL BE MADE FOR THESE REMOVALS.

CONSTRUCTABILITY FIELD REVIEW

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TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	2T

PROPOSED GUARDRAIL

SHEET NO.	LOCATION	SIDE LT	SIDE RT	STATION FROM	STATION TO	GUARDRAIL: BRIDGE ENDS 705-01.01 (L.F.)	GUARDRAIL: BRIDGE PIERS 705-01.02 (L.F.)	GUARDRAIL: SINGLE TYPE 2 705-02.02 (L.F.)	GUARDRAIL: MEDIAN TYPE 2 705-03.03 (L.F.)	TERMINAL ANCHORS: TYPE 12 705-04.02 (EACH)	TERMINAL ANCHORS: TYPE 13 705-04.03 (EACH)	TERMINAL ANCHORS: TYPE 21 705-04.04 (EACH)	TERMINAL ANCHORS: TYPE IN-LINE 705-04.05 (EACH)	TERMINAL ANCHORS: TYPE 38 705-04.07 (EACH)	REMARKS
4B	MYNDERSE	X		11+66.23	12+91.23			75.00				2			
4B	MYNDERSE		X	11+72.78	12+60.28			37.50				2			
5B	S.R. 62		X	113+86.10	114+65.00	26.9								1	
5B	S.R. 62	X		115+81.10	116+59.00	26.9		37.50			1				
1 5B/6B	S.R. 62/MASS.	X		122+89.00	1+43.95	26.9		181.25			1		1		
6B	S.R. 62		X	124+00.00	128+14.40	26.9		337.50						1	
9B	HAWKINS		X	2+31.39	4+35.28			237.50				2			
6B/10B	WESTERN	X		83+63.10	87+65.00	26.9		350.00				1			
10B	WESTERN	X		88+25.00	88+95.65	26.9		18.75				1			
10B	KEITH (WEST)	X		313+60.60	314+25.30	26.9		12.50				1			
10B	KEITH (WEST)		X	313+60.60	314+25.30	26.9		12.50				1			
10B	KEITH (WEST)	X		316+79.29	317+45.78	26.9		12.50				1			
TOTALS						**242.1**	**0**	**1312.5**	**0**	**0**	**2**	**11**	**1**	**2**	

1. S.R. 62 TO ALLEY LT. MASSACHUSETTS STA. 202+50.

BOX CULVERT TABULATION

STATION	LOCATION	SPAN	HEIGHT	LENGTH	SKEW	DRAINAGE AREA ACRES	BOX CULVERT: BOX CLASS "A" CONC. CU. YD.	BOX CULVERT: BOX REINF. STEEL LBS.	BOX CULVERT: APRON CLASS "A" CONC. CU. YD.	BOX CULVERT: APRON WIRE FABRIC LBS.	BOX CULVERT: APRON STEEL BAR REINF. LBS.	CULVERT EXC. CU. YD.	DRAWING NO.	BACKFILLING ITEM 303-01.01 DWG. STD-10-1 TONS	FOUNDATION FILL MATERIAL CU. YD.
109+29.07	S.R. 62	10	4	104.41	65^ LT.	167.04	102.64	22142					STD-17-11 & 54	202.6	31.6
12+19.50	MYNDERSE	14	6	78.50	84^ RT.	420.23	117.65	29647					STD-17-13 & 59	302.2	28.1
TOTALS							**220.29**	**51789**	**0**	**0**	**0**	**0**		**504.8**	**59.7**

ESTIMATED GRADING QUANTITIES

STATION TO STATION	ROAD & DRAINAGE EXC. (UNCL.) C.Y.	BORROW EXCAVATION UNCL. - C.Y.	BORROW EXCAVATION S. ROCK - C.Y.	CHANNEL EXC. C.Y.	EXCESS EXC. WASTE C.Y.	EMB. C.Y.
S.R. 62	27763					34988
MYNDERSE AVE.	1090					635
MASSACHUSETTS AVE.	16644					1446
TENNESSEE AVE.	821					493
HAWKINS AVE.	170					866
MARYLAND AVE.	865					5
BOWLING AVE.	819					1
VERMONT AVE.	738					52
VIRGINIA AVE.	257					9
KEITH AVE.	4859					0
KEITH AVE. WEST	5884					6881
WESTERN AVE.	513					5366
STERCHI ST.	3182					1438
OLD KEITH AVE.	775					132
ALLEYS	1969					19
DRIVEWAYS	1262					1743
TOTALS	**67611**	**0**	**0**	**0**	**0**	**54074**

SEE SHEET NO. 4C FOR EARTHWORK SUMMARY

R.O.W. MARKERS

SHEET NO.	QUANTITIES "A"	"B"	"C"	TOTALS
4A			2	**2**
5A	2	4	11	**17**
6A	5	6	24	**35**
7A	3		14	**17**
10A			1	**1**
TOTALS	**10**	**10**	**52**	**72**

CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	2U

PAVEMENT QUANTITIES

LOCATION	PAY ITEMS											
	303-01 (TON)		307-02.01 (TON)	307-02.08 (TON)	309-01.01 (TON)	309-01.02 (TON)	309-02 (TON)	402-01 (TON)	402-02 (TON)	403-01 (TON)	403-01 (TON)	411-02.10 (TON)
	ALT. A	ALT. B			ALT. B	ALT. B	ALT. B			ALT. A	ALT. B	
S.R. 62	20451.0	10227.0	5751.0	4099.0	9010.0	348.0	31.0	51.0	200.0	20.0	20.0	2210.0
TOTALS	**20451.0**	**10227.0**	**5751.0**	**4099.0**	**9010.0**	**348.0**	**31.0**	**51.0**	**200.0**	**20.0**	**20.0**	**2210.0**

PAVEMENT QUANTITIES

LOCATION	PAY ITEMS						
	303-01 (TON)	307-01.01 (TON)	307-01.08 (TON)	402-01 (TON)	402-02 (TON)	403-01 (TON)	411-01.10 (TON)
TEMPORARY RUNAROUND	1791.0		337.0	4.5	17.9	1.0	198.0
MYNDERSE AVE.	2753.0		493.0	6.6	26.2	1.4	317.0
MASSACHUSETTS AVE.	3673.0	955.0	626.0	8.4	33.2	3.4	367.0
TENNESSEE AVE.	2036.0		460.0	6.2	24.4	1.2	270.0
HAWKINS AVE.	743.0		149.0	2.0	8.0	0.4	87.0
MARYLAND AVE.	356.0		55.0	0.7	2.9	0.2	32.0
BOWLING AVE.	340.0		52.0	0.7	2.7	0.1	30.0
VERMONT AVE.	508.0		79.0	1.1	4.2	0.2	46.0
VIRGINIA AVE.	372.0		59.0	0.8	3.1	0.2	35.0
KEITH AVE.	2720.0	866.0	568.0	7.6	30.1	3.1	333.0
MISSISSIPPI AVE.	423.0		73.0	1.0	3.9	0.2	43.0
WESTERN AVE.	1345.0		209.0	2.8	11.0	0.6	123.0
STERCHI ST.	972.0		151.0	2.1	8.1	0.5	89.0
OLD KEITH AVE.	678.0		112.0	1.5	5.9	0.3	65.0
MAJOR	11.0		18.0	0.3	1.0	0.1	11.0
TRUMAN ST.	67.0		7.0	0.1	0.5	0.1	4.0
ALLEYS	1083.0		155.0	2.9	8.2	0.4	139.0
DR.'S FIELD OR RES.	641.0			4.3	17.1		188.0
BUSINESS ENT.	855.0		375.0	5.7	22.8	1.1	251.0
MAINTENANCE							
TOTALS	**21367.0**	**1821.0**	**3978.0**	**59.3**	**231.2**	**14.5**	**2628.0**

CROSS DRAIN ENDWALLS

LOCATION	CROSS DRAIN STATION	OFFSET (FT.)	STRUCTURE TYPE	STANDARD DRAWING	SKEW	RIP-RAP 709-05.06 (TON)	CLASS A CONC. 611-07.01 (C.Y.)	REINF. STEEL 611-07.02 (LB.)	18 IN. ENDWALL 3:1 611-07.54 (EA.)	30 IN. ENDWALL 3:1 611-07.60 (EA.)	36 IN. ENDWALL 3:1 611-07.63 (EA.)
S.R. 62	116+60.00	-70.00	STRAIGHT	D-PE-4	**90^**		1.16	40			
S.R. 62	120+48.37	75.00	TYPE "A"	D-PE-1	95^43' LT.		3.89	73			
S.R. 62	126+50.00	-63.14	TYPE "U"	D-PE-18A&B	90^				1		
S.R. 62	126+50.00	65.76	TYPE "U"	D-PE-30A&B	90^	28				1	
S.R. 62	130+50.00	63.75	TYPE "U"	D-PE-18A&B	90^	18			1		
S.R. 62	132+00.00	-53.33	TYPE "U"	D-PE-18A&B	90^				1		
S.R. 62	139+04.56	235.78	TYPE "U"	D-PE-36A&B	90^						1
WESTERN	85+18.47	-30.20	STRAIGHT	D-PE-4	90^		1.16	40			
WESTERN	88+44.78	-40.71	STRAIGHT	D-PE-4	90^		1.16	40			
STERCHI	92+13.58	-35.65	STRAIGHT	D-PE-4	46^04' LT.		1.16	40			
KEITH WEST	312+91.36	-55.51	STRAIGHT	D-PE-4	74^23' LT.		1.16	40			
KEITH WEST	317+80.52	-39.23	TYPE "U"	D-PE-18A&B	68^46' RT.	9			1		
TOTALS						**55**	**9.69**	**273**	**4**	**1**	**1**

CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2V

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, 2014 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 QPL 38, 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, 2014 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, 2014 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.

TABLE 1–DESIGN REQUIREMENTS AND PARAMETERS

DESCRIPTION	MSE WALLS	CIP WALLS	NOTE
DESIGN LIFE	75 YEARS	75 YEARS	
SEISMIC ACCELERATION COEFFICIENT (As)	*	*	
EFFECTIVE (DRAINED) FRICTION ANGLE			
RETAINED BACKFILL–UNCLASSIFIED SITE OR BORROW SOIL	26°	26°	
RETAINED BACKFILL–SELECT BACKFILL	34° TO MAX 40°	34° TO MAX 40°	1
REINFORCED BACKFILL	34° TO MAX 40°	NOT APPLICABLE	1
UNIT WEIGHT			
UNCLASSIFIED SITE OR BORROW SOIL	125 POUNDS PER CUBIC FOOT	125 POUNDS PER CUBIC FOOT	
SELECT BACKFILL MATERIAL	VARIES	VARIES	1A
DESIGN BASIS			
COEFFICIENT OF SLIDING FRICTION	SEE TABLE 2	SEE TABLE 3	3
NOMINAL BEARING RESISTANCE	SEE TABLE 2	SEE TABLE 3	3
MINIMUM LENGTH OF SOIL REINFORCEMENT, L	GREATER OF 8–FT OR 0.7H OR AS SPECIFIED ON THE PLANS	NOT APPLICABLE	2,2A,2B
LIMITING ECCENTRICITY	L/4 (SOIL), 3L/8 (ROCK)	B/3 (SOIL), 9B/20 (ROCK)	
RESISTANCE FACTORS			
SLIDING–STATIC	1.0	1.0	4
SLIDING–COMBINED STATIC+EARTHQUAKE	1.0	1.0	4
BEARING–STATIC	0.65	0.55	5
BEARING–COMBINED STATIC+EARTHQUAKE	0.9	0.8	
PULLOUT RESISTANCE			
STATIC	0.90	NOT APPLICABLE	6
COMBINED STATIC/EARTHQUAKE	1.20	NOT APPLICABLE	6
TENSILE RESISTANCE OF METALLIC REINFORCEMENTS AND CONNECTORS			
STATIC			
–STRIP REINFORCEMENT	0.75	NOT APPLICABLE	7
–GRID REINFORCEMENT	0.65		7,8
COMBINED STATIC/EARTHQUAKE			
–STRIP REINFORCEMENT	1.00	NOT APPLICABLE	7
–GRID REINFORCEMENT	0.85		7,8
TENSILE RESISTANCE OF GEOSYNTHETIC REINFORCEMENTS AND CONNECTORS			
STATIC	0.90	NOT APPLICABLE	
COMBINED STATIC/EARTHQUAKE	1.20	NOT APPLICABLE	

* *

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.

WALL FASCIA REQUIREMENTS

THE ACCEPTABLE WALL TYPES LISTED ARE FOR GEOTECHNICAL RECOMMENDATIONS ONLY. AESTHETIC REQUIREMENTS MAY NECESSIATE A REEVALUATION OF THE ACCEPTABLE WALL TYPES. FASCIA REQUIREMENTS SHALL BE DETERMINED BY THE TDOT STRUCTURES DIVISION. THIS BOX IS TO BE REMOVED AFTER TDOT STRUCTURES DIVISION HAS REVISED THE ACCEPTABLE WALL TYPES TO SATISFY THE FASCIA REQUIREMENTS.

SEE INDIVIDUAL RETAINING WALL GEOTECHNICAL DESIGN DRAWINGS FOR FOUNDATION PARAMETERS AND REQUIREMENTS.

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.

TABLE 1.1

NOTES FOR TABLE 1

NO.	NOTE
1	A MAXIMUM 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 THAN 34 DEGREES 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, L, 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 WALL IS THE LENGTH L 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.
2B	ALL DESIGN SECTION REINFORCEMENT LENGTHS SHALL BE EQUAL.
3	THESE VALUES WILL BE PROVIDED IN TABLES 2 AND/OR 3
4	PASSIVE RESISTANCE SHALL NOT BE CONSIDERED IN EVALUATION OF SLIDING RESISTANCE. NO SHEAR KEYS NOR DOWELS WILL BE PERMITTED.
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 COMPUTATIONS 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.

SEALED BY

S.R. 62 (WESTERN AVE.)
KNOX COUNTY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

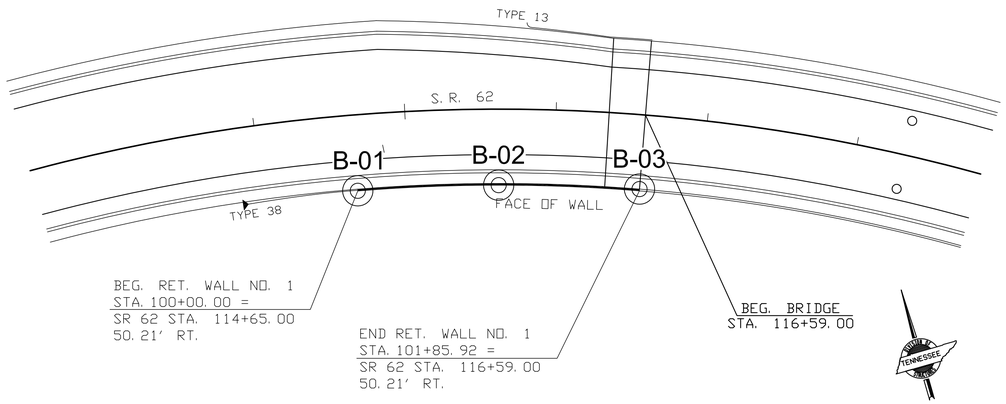
RETAINING WALL DETAILS

GEOTECHNICAL DESIGN NOTES AND REQUIREMENTS

\\10.1.1.9\Tuscaloosa Projects\2012\100812 Nashville\010 Neel-Schaeffer SR62\SR62 Wall Notes.dwg

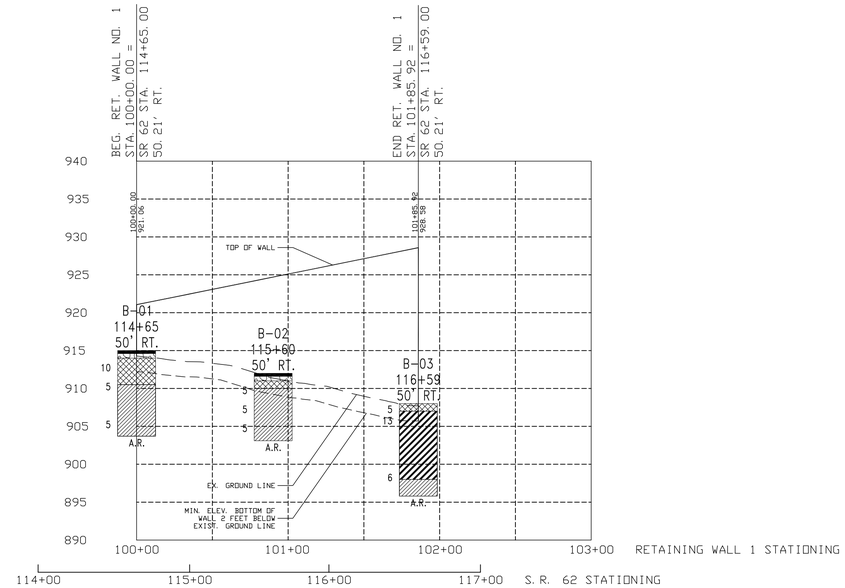
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2W



RETAINING WALL 1 PLAN VIEW

SCALE: 1" = 50'



RETAINING WALL 1 PROFILE

SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

B-03 Soil Boring Location and Identifier

BORING LEGEND

BORING NO.

N (BPF)

RQD/REC

MATERIAL SYMBOL

AR = Auger Refusal / BT = Boring Terminated

Boreholes are projected onto centerline profile

ASPHALT (BITUMINOUS CONCRETE)
GRAVEL, POORLY-GRADED
FAT CLAY
LIMESTONE
LEAN CLAY
TOPSOIL
DENSE GRADED AGGREGATE
FILL

NOTE: SEE GEOTECHNICAL DESIGN NOTES AND REQUIREMENTS SHEET FOR OTHER DESIGN REQUIREMENTS AND PARAMETERS

Acceptable Wall Types
The retaining walls 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.

Mechanically Stabilized Earth (MSE) Wall – Segmental Precast
Mechanically Stabilized Earth (MSE) Wall - Modular Block
Cast-in Place Concrete Cantilever Wall

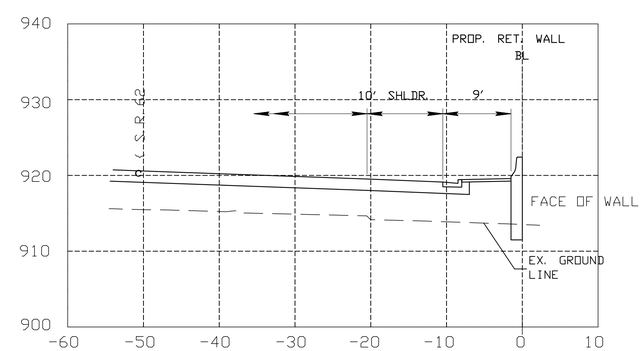
TABLE 2 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR MSE WALLS

STATION LIMITS	FOUNDATION (REINFORCED ZONE) BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
100+00 to 100+50	Stiff Residual Soil or Newly Placed Fill	6,500	0.35
100+50 to 101+00	Undercut 4 feet (Depth, D) below proposed footing elevation or bedrock, whichever is shallower, and replace with Graded Solid Rock	7,000	0.5
101+00 to 101+85	Undercut 5 feet (Depth, D) below proposed footing elevation or bedrock, whichever is shallower, and replace with Graded Solid Rock	8,000	0.5

TABLE 3 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR CIP CANTILEVER WALLS

STATION LIMITS	FOUNDATION BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
100+00 to 100+50	Stiff Residual Soil or Newly Placed Fill	6,500	0.35
100+50 to 101+00	Undercut 4 feet (Depth, D) below proposed footing elevation or bedrock, whichever is shallower, and replace with Graded Solid Rock	7,000	0.5
101+00 to 101+85	Undercut 5 feet (Depth, D) below proposed footing elevation or bedrock, whichever is shallower, and replace with Graded Solid Rock	8,000	0.5

* Refer to Typical Details for additional recommendations



RETAINING WALL 1 TYPICAL SECTION

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

SUMMARY TABLE OF GEOTECHNICAL BORING LOCATIONS AND ELEVATIONS

BORING	STATION	OFFSET DISTANCE	GROUND ELEVATION	TERMINATION ELEVATION	AUGER REFUSAL ELEVATION
B-01	S.R. 62 STA. 114+65	50' RT	915	903.7	903.7
B-02	S.R. 62 STA. 115+60	50' RT	912	903.1	903.1
B-03	S.R. 62 STA. 116+59	50' RT	908	895.8	895.8

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 1
GEOTECHNICAL DESIGN DRAWINGS

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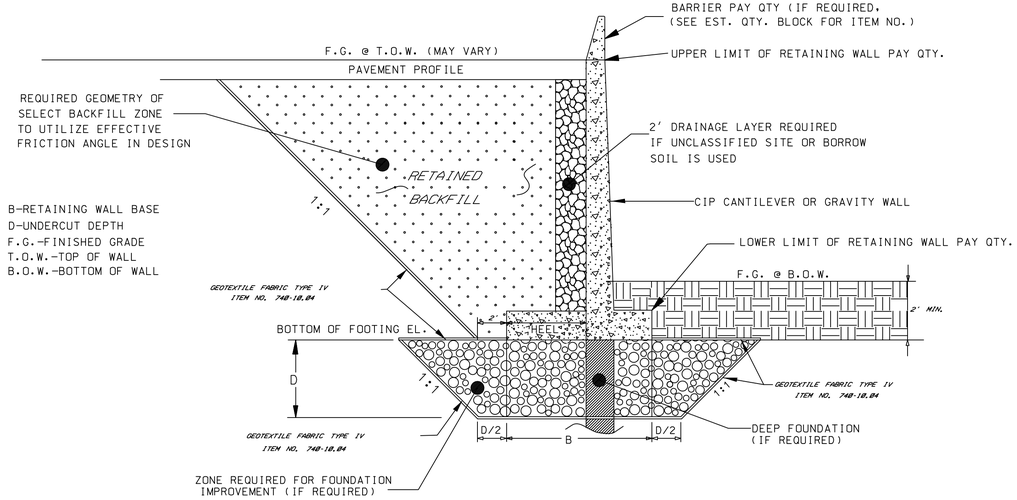
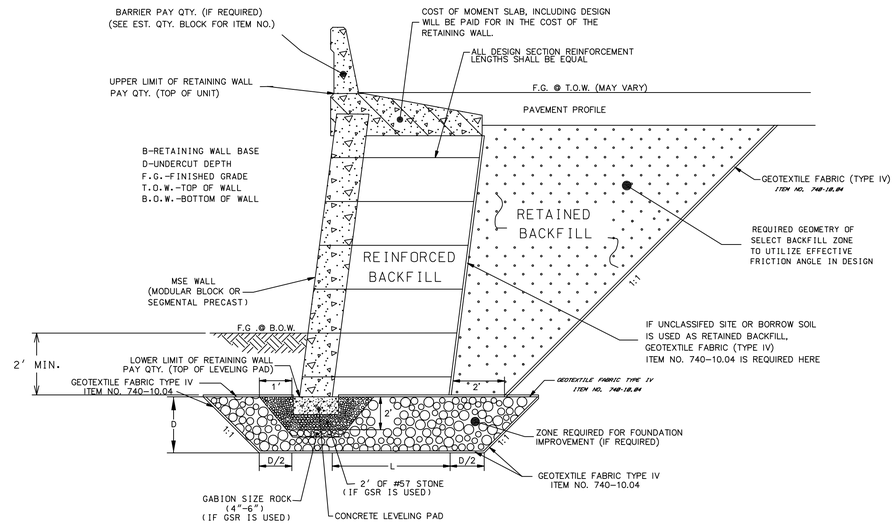
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2X



TYPICAL DETAIL
CIP CONCRETE CANTILEVER OR GRAVITY WALL
BARRIER REQUIRED



TYPICAL DETAIL
MSE WALL – MODULAR BLOCK\SEGMENTAL PRECAST
BARRIER REQUIRED

RETAINING WALL LIMITS	DEPTH "D" (FEET)
100+00 to 100+50	N/A
100+50 to 101+00	4
101+00 to 101+85	5

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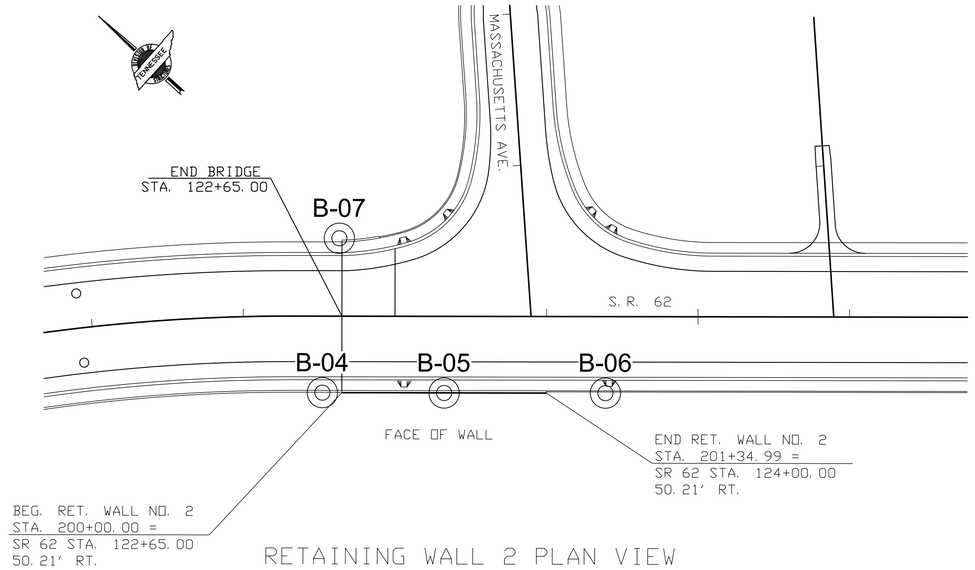
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RETAINING WALL
NO. 1
TYPICAL DETAIL
CIP CANTILEVER WALL
GRAVITY WALL
MSE MODULAR BLOCK
MSE SEGMENTAL PRECAST

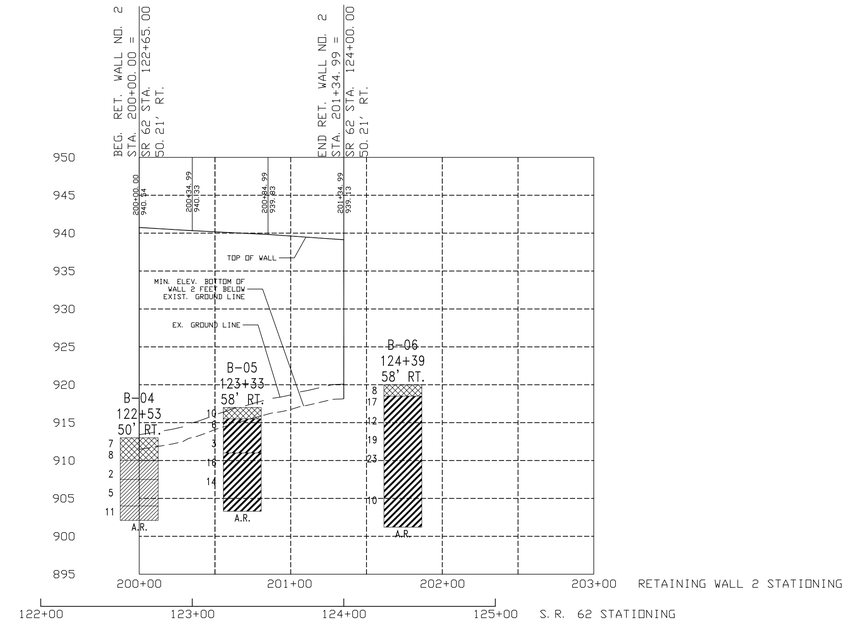
\\10.1.1.9\Tuscaloosa Projects\2012\100812 Nashville\010 Neel-Schaeffer SR62\SR62 Wall Details.dwg

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

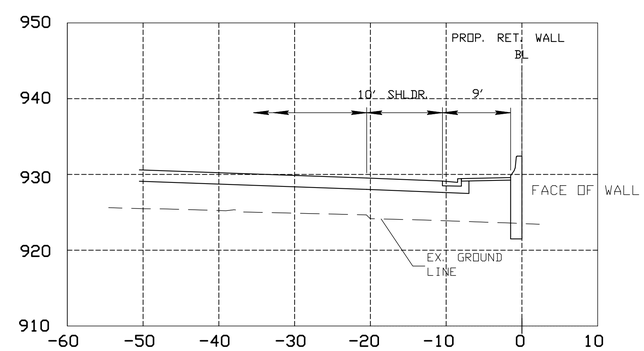
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2Y



RETAINING WALL 2 PLAN VIEW
SCALE: 1" = 50'



RETAINING WALL 2 PROFILE
SCALE: 1" = 50' HORIZ.
1" = 10' VERT.



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

B-07 Soil Boring Location and Identifier

BORING LEGEND

BORING NO.
N (BPF)
RQD/REC
MATERIAL SYMBOL

AR = Auger Refusal / BT = Boring Terminated

Boreholes are projected onto centerline profile

ASPHALT (BITUMINOUS CONCRETE)
GRAVEL, POORLY-GRADED
FAT CLAY
LIMESTONE
LEAN CLAY
TOPSOIL
DENSE GRADED AGGREGATE
FILL

NOTE: SEE GEOTECHNICAL DESIGN NOTES AND REQUIREMENTS SHEET FOR OTHER DESIGN REQUIREMENTS AND PARAMETERS

Acceptable Wall Types
The retaining walls shall be a Cast-in Place Concrete Cantilever Wall.

TABLE 2 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR MSE WALLS

Not Applicable

TABLE 3 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR CIP CANTILEVER WALLS

STATION LIMITS	FOUNDATION BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
200+00 to 201+35	Undercut 6 feet (Depth, D) below proposed footing elevation and replace with Graded Solid Rock	10,000	0.5

* Refer to Typical Details for additional recommendations

SUMMARY TABLE OF GEOTECHNICAL BORING LOCATIONS AND ELEVATIONS

BORING	STATION	OFFSET DISTANCE	GROUND ELEVATION	TERMINATION ELEVATION	AUGER REFUSAL ELEVATION
B-04	S.R. 62 STA. 122+53	50' RT	913	902.1	902.1
B-05	S.R. 62 STA. 123+33	58' RT	917	903.3	903.3
B-06	S.R. 62 STA. 123+39	58' RT	920	901.2	901.2
B-07	S.R. 62 STA. 122+65	50' LT	914	897.8	897.8

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DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 2 GEOTECHNICAL DESIGN DRAWINGS

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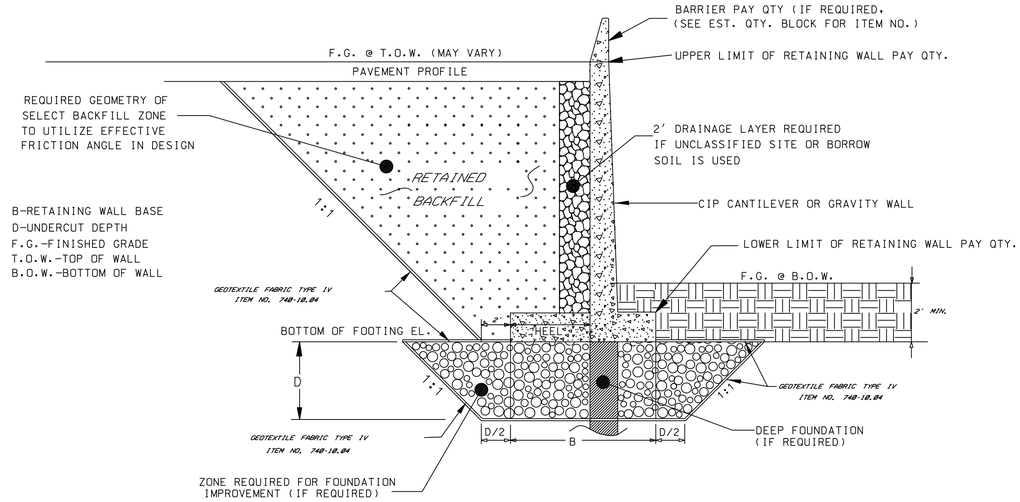
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2Z



TYPICAL DETAIL
CIP CONCRETE CANTILEVER OR GRAVITY WALL
BARRIER REQUIRED

RETAINING WALL LIMITS	DEPTH "D" (FEET)
200+00 to 201+35	6

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STATE OF TENNESSEE
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RETAINING WALL
NO. 2
TYPICAL DETAIL

CIP CANTILEVER WALL
GRAVITY WALL

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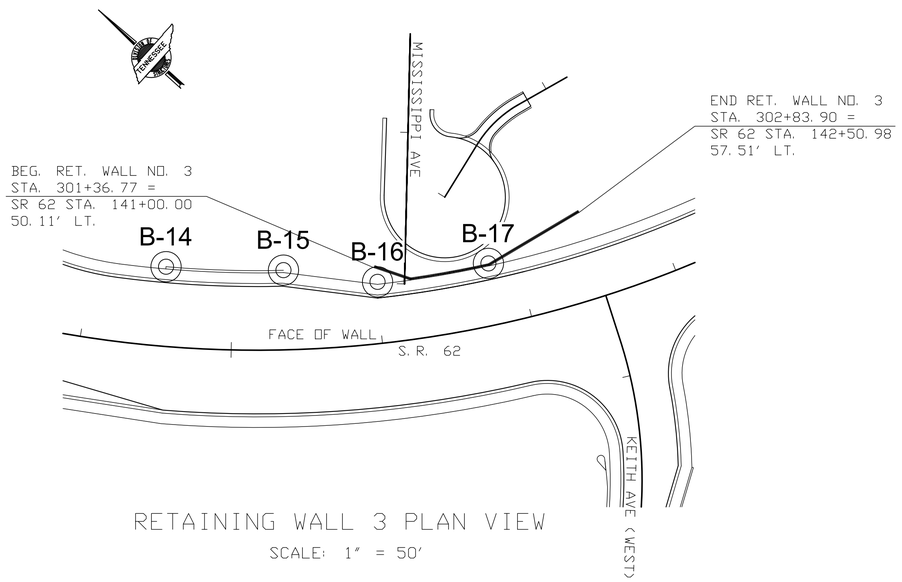
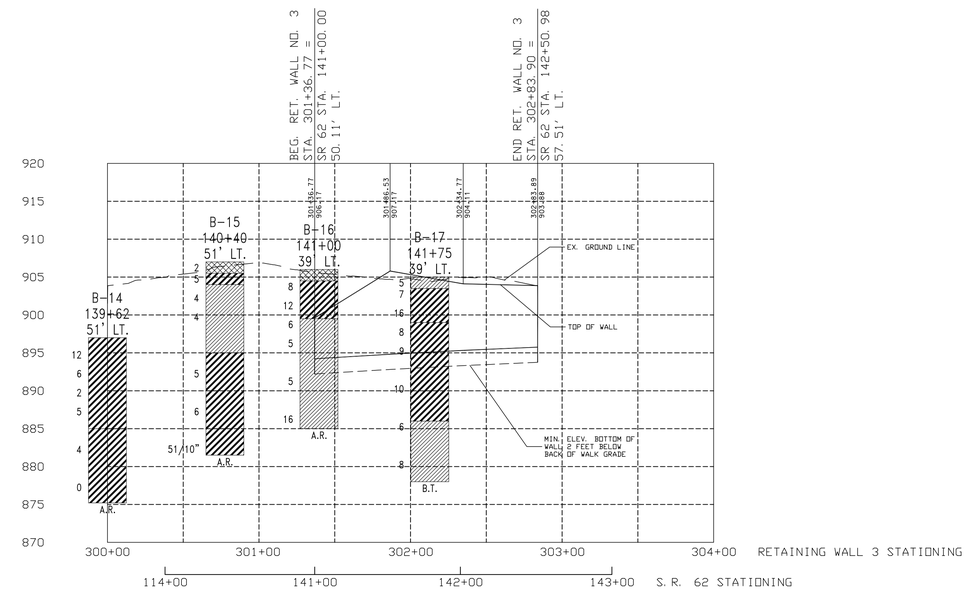
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AA



RETAINING WALL 3 PLAN VIEW
SCALE: 1" = 50'



RETAINING WALL 3 PROFILE
SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

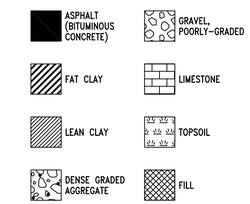
B-17 Soil Boring Location and Identifier

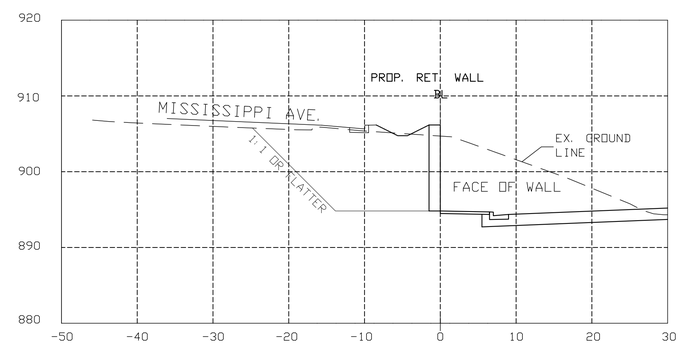
BORING LEGEND

BORING NO.
N (BPF)
RQD/REC
MATERIAL SYMBOL

AR = Auger Refusal / BT = Boring Terminated

Boreholes are projected onto centerline profile





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

NOTE: SEE GEOTECHNICAL DESIGN NOTES AND REQUIREMENTS SHEET FOR OTHER DESIGN REQUIREMENTS AND PARAMETERS

Acceptable Wall Types
The retaining walls 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.

Mechanically Stabilized Earth (MSE) Wall – Segmental Precast
Mechanically Stabilized Earth (MSE) Wall - Modular Block
Cast-in Place Concrete Cantilever Wall

TABLE 2 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR MSE WALLS

STATION LIMITS	FOUNDATION (REINFORCED ZONE) BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
301+36 To 302+83	Stiff Residual Clayey Soils or Newly Compacted Fill	5,000	0.3

TABLE 3 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR CIP CANTILEVER WALLS

STATION LIMITS	FOUNDATION BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
301+36 To 302+83	Stiff Residual Clayey Soils or Newly Compacted Fill	5,000	0.3

* Refer to Typical Details for additional recommendations

SUMMARY TABLE OF GEOTECHNICAL BORING LOCATIONS AND ELEVATIONS

BORING	STATION	OFFSET DISTANCE	GROUND ELEVATION	TERMINATION ELEVATION	AUGER REFUSAL ELEVATION
B-14	S.R. 62 STA. 139+62	51' LT	897	875.2	875.2
B-15	S.R. 62 STA. 140+40	51' LT	907	881.5	881.5
B-16	S.R. 62 STA. 141+00	39' LT	906	885	885
B-17	S.R. 62 STA. 141+75	39' LT	905	878	NONE

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KNOX COUNTY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 3 GEOTECHNICAL DESIGN DRAWINGS

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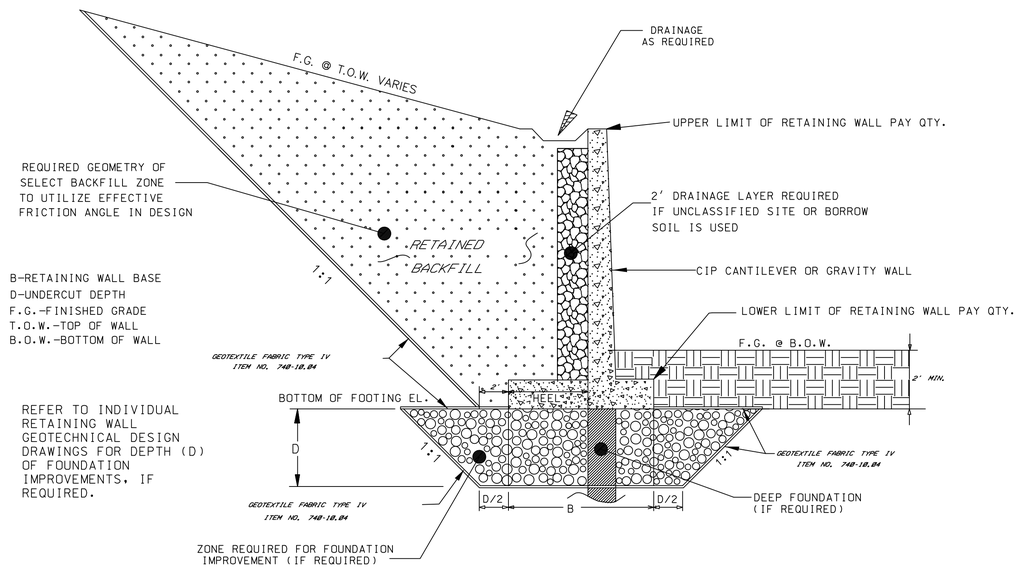
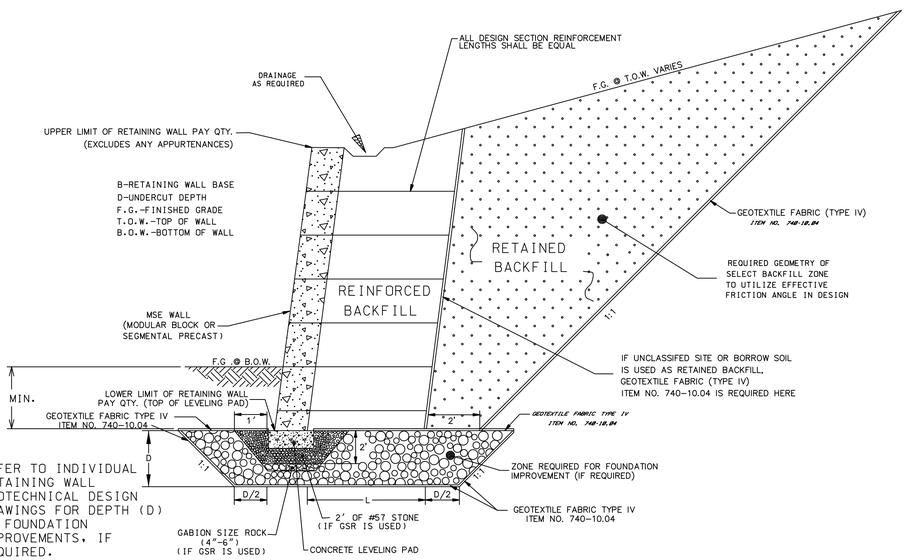
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AB



TYPICAL DETAIL
CIP CONCRETE CANTILEVER OR GRAVITY WALL



TYPICAL DETAIL
MSE WALL – MODULAR BLOCK\SEGMENTAL PRECAST

SUBGRADE IMPROVEMENT, SUCH AS UNDERCUT AND REPLACEMENT WITH GRADED SOLID ROCK, IS NOT ANTICIPATED.

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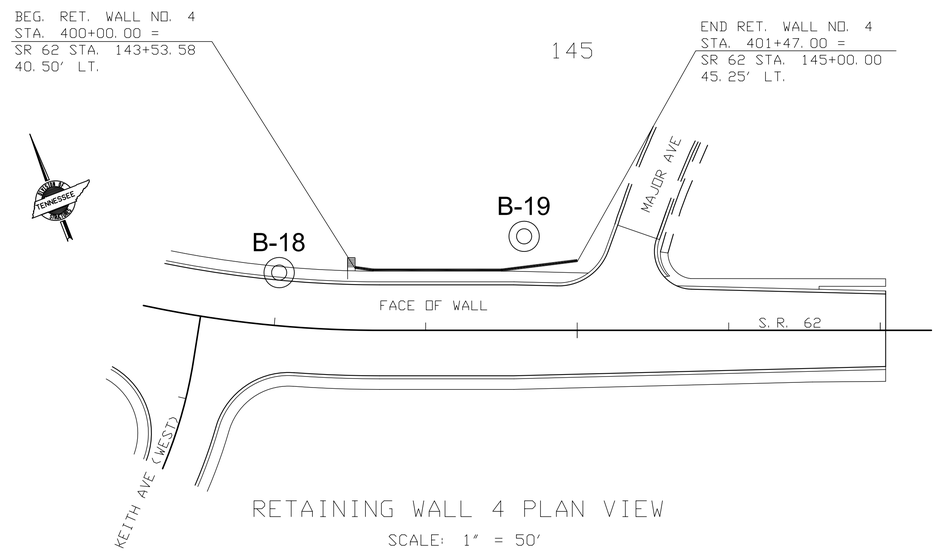
RETAINING WALL NO. 3
TYPICAL DETAIL
CIP CANTILEVER WALL
GRAVITY WALL
MSE MODULAR BLOCK
MSE SEGMENTAL PRECAST

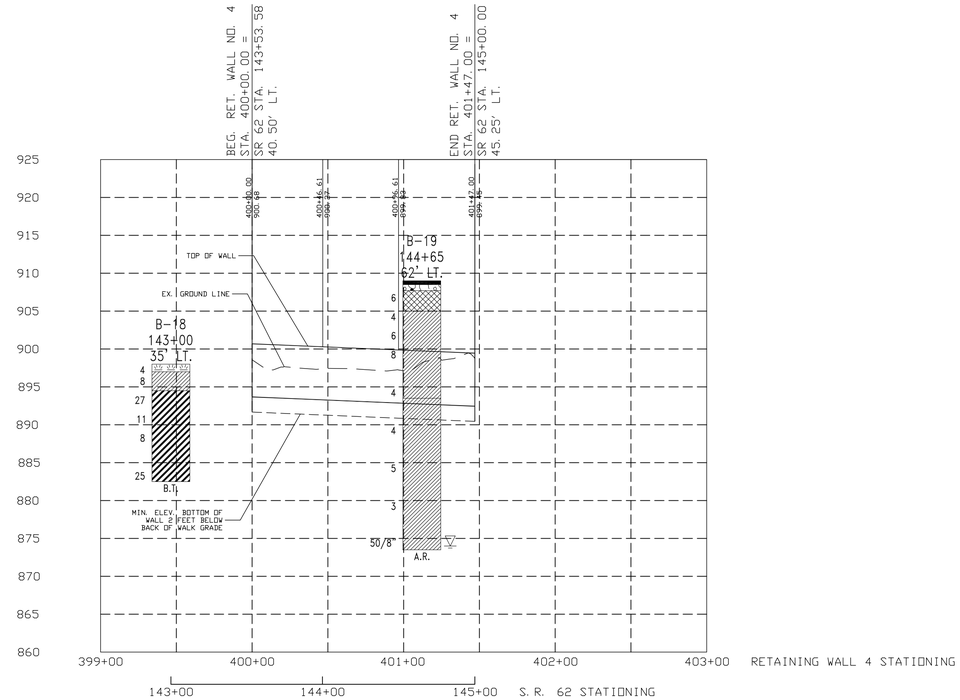
\\10.1.1.9\Tuscaloosa Projects\2012\100812 Nashville\010 Neel-Schaeffer SR62\SR62 Wall Details.dwg

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AC



RETAINING WALL 4 PLAN VIEW
SCALE: 1" = 50'



RETAINING WALL 4 PROFILE
SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

B-19 Soil Boring Location and Identifier

BORING LEGEND

BORING NO.
N (BPF)
RQD/REC
MATERIAL SYMBOL

AR = Auger Refusal / BT = Boring Terminated

Boreholes are projected onto centerline profile

ASPHALT (BITUMINOUS CONCRETE)
GRAVEL, POORLY-GRADED
FAT CLAY
LIMESTONE
LEAN CLAY
TOPSOIL
DENSE GRADED AGGREGATE
FILL

NOTE: WALL 5 HAS BEEN OMITTED FROM PROJECT

NOTE: SEE GEOTECHNICAL DESIGN NOTES AND REQUIREMENTS SHEET FOR OTHER DESIGN REQUIREMENTS AND PARAMETERS

Acceptable Wall Types
The retaining walls 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.

Mechanically Stabilized Earth (MSE) Wall – Segmental Precast
Mechanically Stabilized Earth (MSE) Wall – Modular Block
Cast-in Place Concrete Cantilever Wall

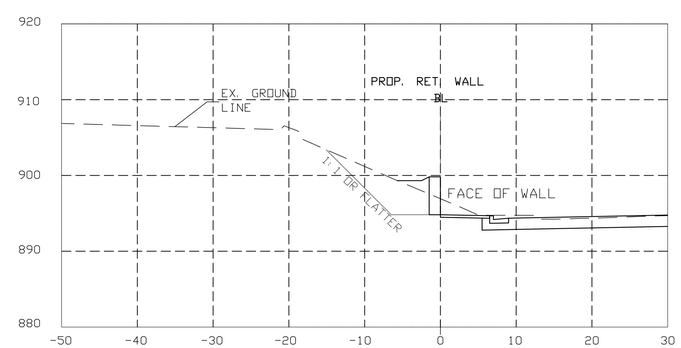
TABLE 2 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR MSE WALLS

STATION LIMITS	FOUNDATION (REINFORCED ZONE) BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
400+00 to 401+47	Residual Clay Soil	3,000	0.3
400+00 to 401+47	Improved subgrade: Undercut 3 feet (Depth, D) and replace with GDS or select backfill	5,000	0.45

TABLE 3 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR CIP CANTILEVER WALLS

STATION LIMITS	FOUNDATION BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
400+00 to 401+47	Residual Clay Soil	3,000	0.3
400+00 to 401+47	Improved subgrade: Undercut 3 feet (Depth, D) and replace with GDS or select backfill	5,000	0.45

* Refer to Typical Details for additional recommendations



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

SUMMARY TABLE OF GEOTECHNICAL BORING LOCATIONS AND ELEVATIONS					
BORING	STATION	OFFSET DISTANCE	GROUND ELEVATION	TERMINATION ELEVATION	AUGER REFUSAL ELEVATION
B-18	S.R. 62 STA. 143+00	35' LT	898	882.5	NONE
B-19	S.R. 62 STA. 144+65	62' LT	909	873.8	873.8

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 4
GEOTECHNICAL DESIGN DRAWINGS

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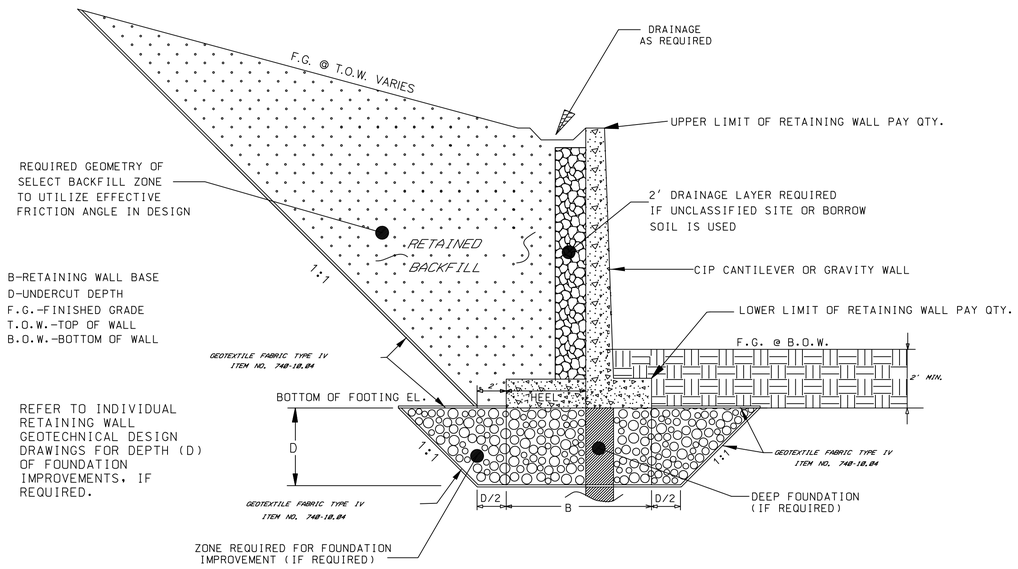
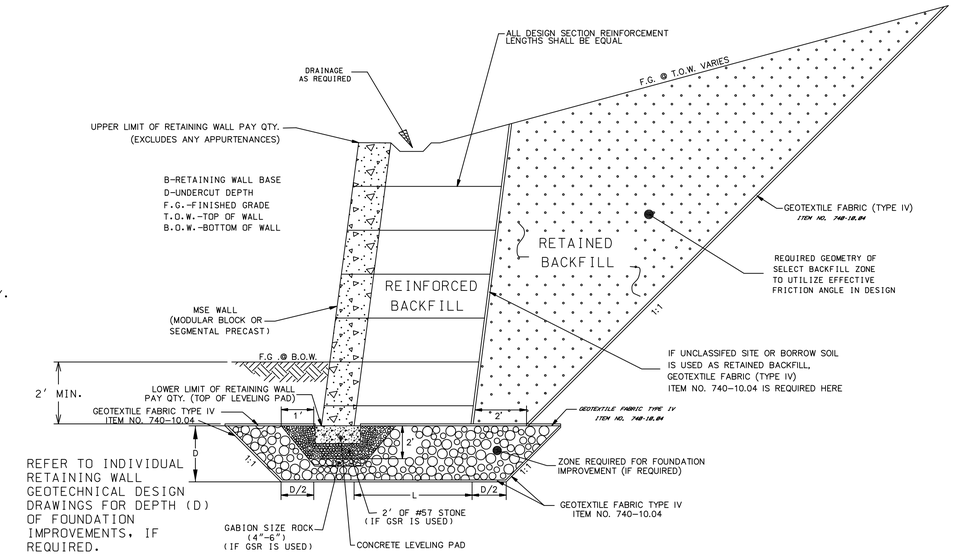
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AD



TYPICAL DETAIL
CIP CONCRETE CANTILEVER OR GRAVITY WALL



TYPICAL DETAIL
MSE WALL – MODULAR BLOCK\SEGMENTAL PRECAST

RETAINING WALL LIMITS	DEPTH "D" (FEET)
400+00 to 401+47	3*

* FOR SUBGRADE DESIGN OPTIONS, REFER TO TABLES 2 AND 3 ON RETAINING WALL NO. 4 GETECHNICAL DESIGN DRAWINGS SHEET.

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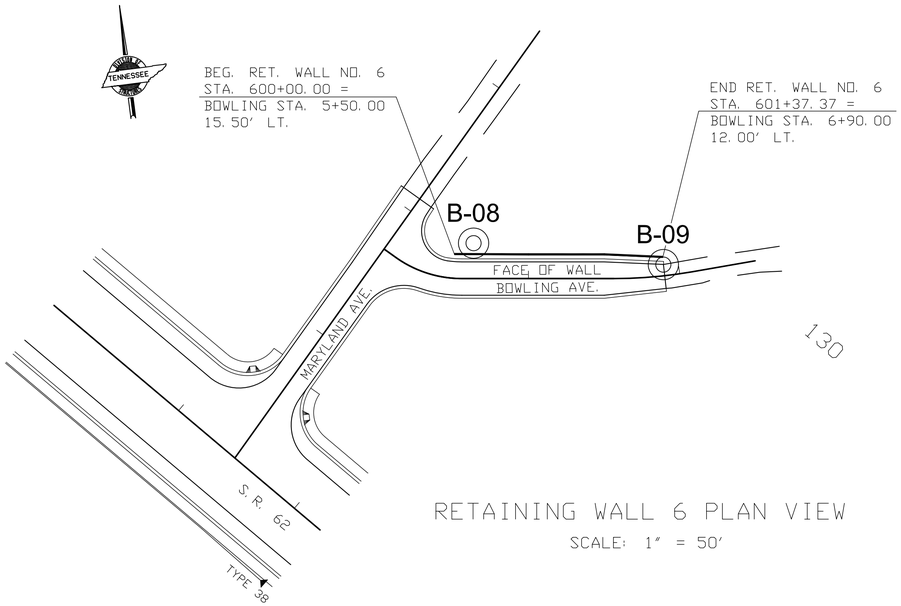
DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 4
TYPICAL DETAIL
CIP CANTILEVER WALL
GRAVITY WALL
MSE MODULAR BLOCK
MSE SEGMENTAL PRECAST

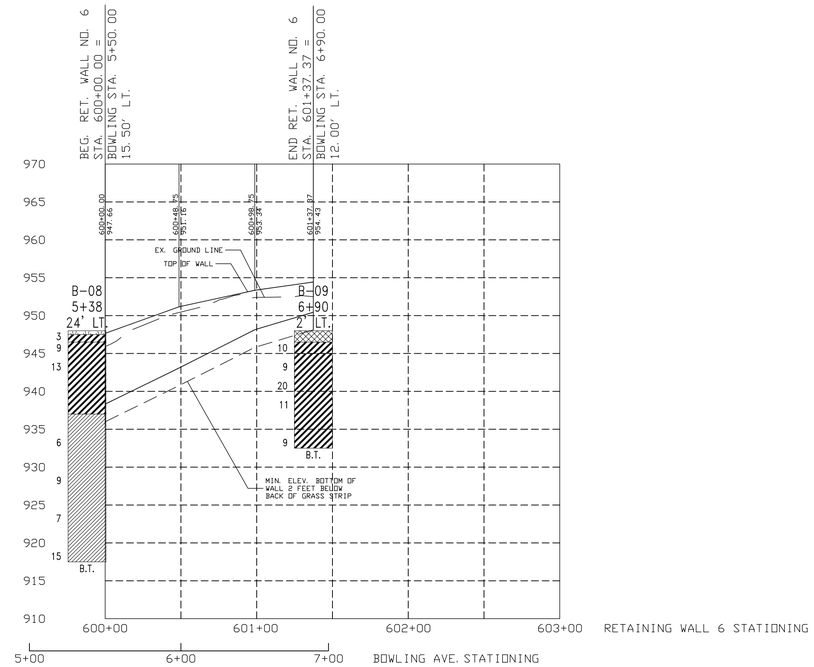
\\10.1.1.9\Tuscaloosa Projects\2012\100812 Nashville\010 Neel-Schaeffer SR62\SR62 Wall Details.dwg

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AE



RETAINING WALL 6 PLAN VIEW
SCALE: 1" = 50'



RETAINING WALL 6 PROFILE
SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

B-09 Soil Boring Location and Identifier

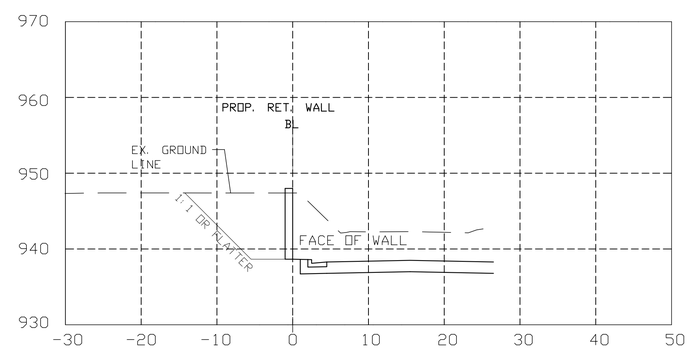
BORING LEGEND

BORING NO.
N (BPF)
RQD/REC
MATERIAL SYMBOL

AR = Auger Refusal / BT = Boring Terminated

Boreholes are projected onto centerline profile

ASPHALT (BITUMINOUS CONCRETE)
GRAVEL, POORLY-GRADED
FAT CLAY
LIMESTONE
LEAN CLAY
TOPSOIL
DENSE GRADED AGGREGATE
FILL



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

NOTE: WALL 5 HAS BEEN OMITTED FROM PROJECT

NOTE: SEE GEOTECHNICAL DESIGN NOTES AND REQUIREMENTS SHEET FOR OTHER DESIGN REQUIREMENTS AND PARAMETERS

Acceptable Wall Types
The retaining walls 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

Mechanically Stabilized Earth (MSE) Wall – Segmental Precast
Mechanically Stabilized Earth (MSE) Wall – Modular Block
Cast-in Place Concrete Cantilever Wall

TABLE 2 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR MSE WALLS

STATION LIMITS	FOUNDATION (REINFORCED ZONE) BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
600+00 to 601+00	Firm Residual Clay Soil	4,000	0.3
600+00 to 601+00	Improved subgrade: Undercut 3 feet (Depth, D) below proposed footing elevation and replace with Graded Solid Rock or select backfill **	5,000	0.45
601+00 to 601+37	Stiff Residual Clay Soil	8,000	0.35

TABLE 3 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR CIP CANTILEVER WALLS

STATION LIMITS	FOUNDATION BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
600+00 to 601+00	Firm Residual Clay Soil	4,000	0.3
600+00 to 601+00	Improved subgrade: Undercut 3 feet (Depth, D) below proposed footing elevation and replace with Graded Solid Rock or select backfill **	5,000	0.45
601+00 to 601+37	Stiff Residual Clay Soil	8,000	0.35

* Refer to Typical Details for additional recommendations
** Select Backfill as specified in TDOT Special Provision 624 regarding retaining walls.

SUMMARY TABLE OF GEOTECHNICAL BORING LOCATIONS AND ELEVATIONS

BORING	STATION	OFFSET DISTANCE	GROUND ELEVATION	TERMINATION ELEVATION	AUGER REFUSAL ELEVATION
B-08	BOWLING STA. 5+38	24' LT	948	917.5	NONE
B-09	BOWLING STA. 6+90	2' LT	948	932.5	NONE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 6
GEOTECHNICAL DESIGN DRAWINGS

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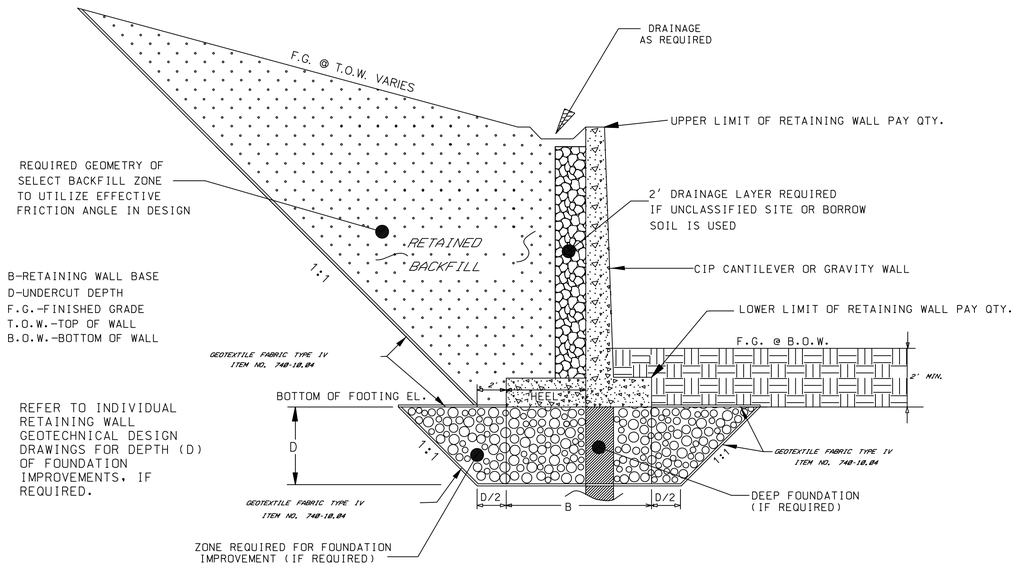
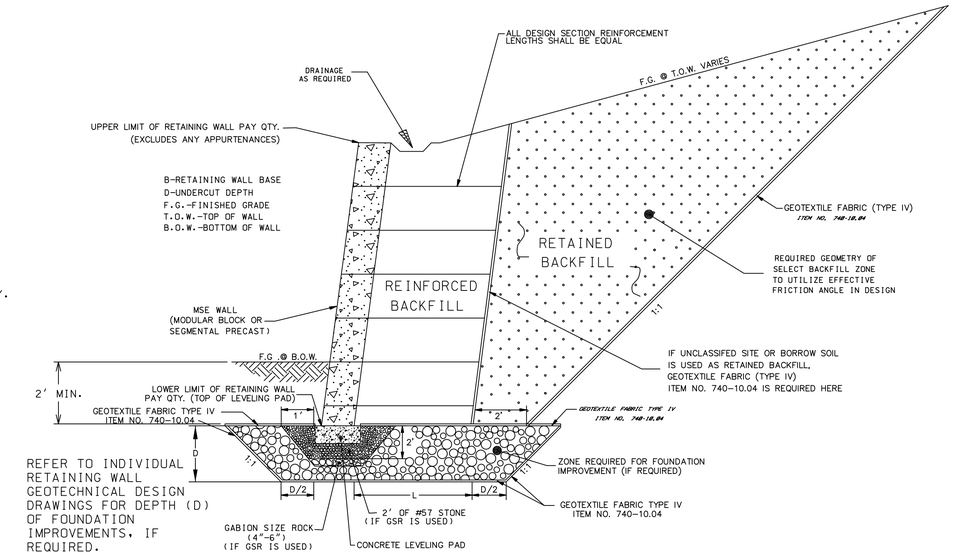
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AF



TYPICAL DETAIL
CIP CONCRETE CANTILEVER OR GRAVITY WALL



TYPICAL DETAIL
MSE WALL – MODULAR BLOCK\SEGMENTAL PRECAST

RETAINING WALL LIMITS	DEPTH "D" (FEET)
600+00 to 601+00	3*
601+00 to 601+37	N/A

* FOR SUBGRADE DESIGN OPTIONS, REFER TO TABLES 2 AND 3 ON RETAINING WALL NO. 6 GETECHNICAL DESIGN DRAWINGS SHEET.

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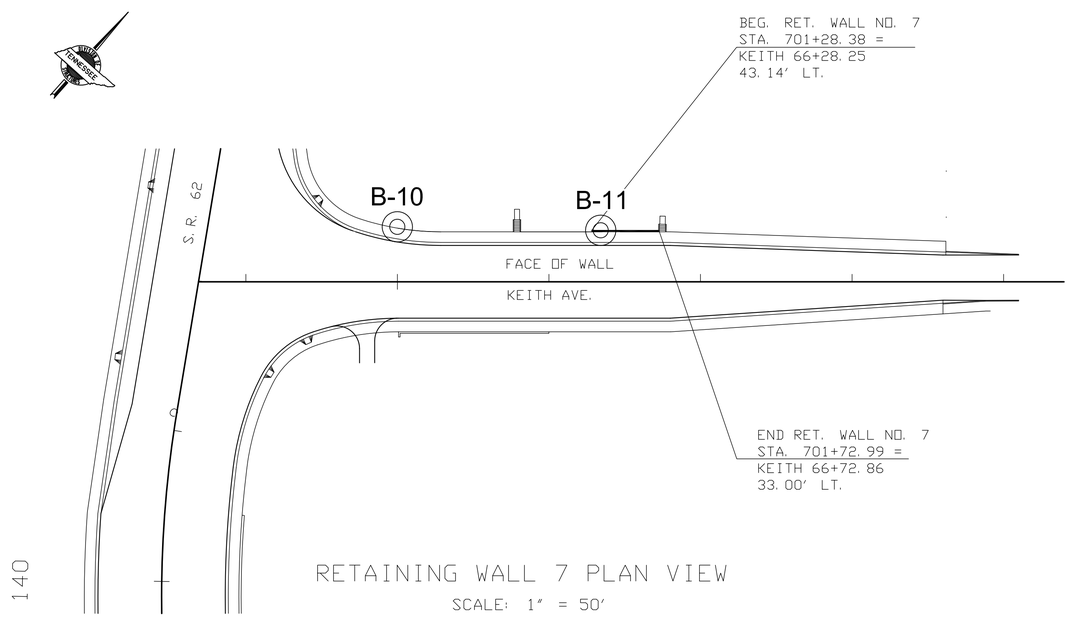
DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 6
TYPICAL DETAIL
CIP CANTILEVER WALL
GRAVITY WALL
MSE MODULAR BLOCK
MSE SEGMENTAL PRECAST

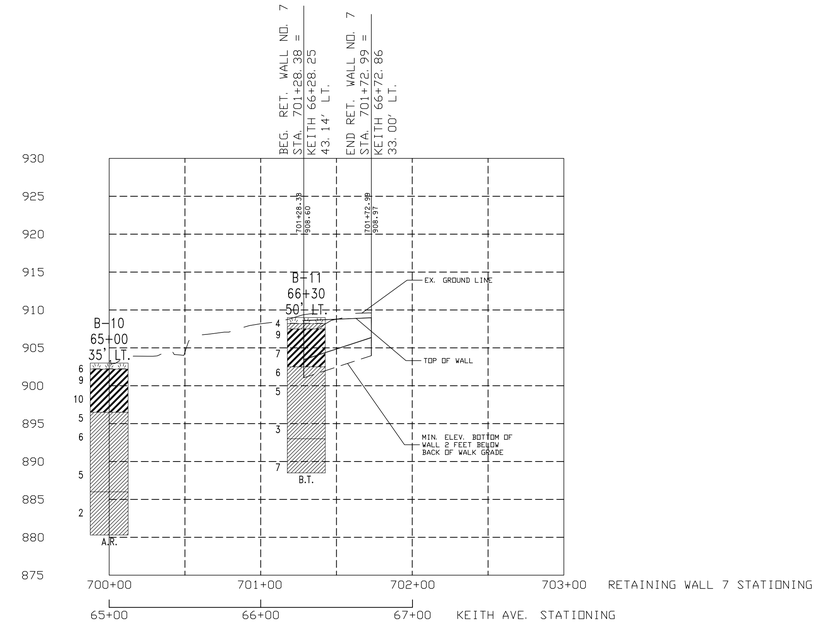
\\10.1.1.9\Tuscaloosa Projects\2012\1008812 Nashville\010 Neel-Schaeffer SR62\SR62 Wall Details.dwg

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AG



RETAINING WALL 7 PLAN VIEW
SCALE: 1" = 50'



RETAINING WALL 7 PROFILE
SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

B-11 Soil Boring Location and Identifier

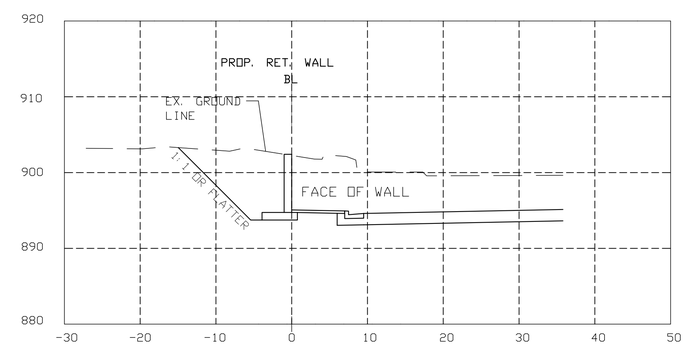
BORING LEGEND

BORING NO.
N (BPF)
RQD/REC
MATERIAL SYMBOL

AR = Auger Refusal / BT = Boring Terminated

Boreholes are projected onto centerline profile

ASPHALT (BITUMINOUS CONCRETE)
GRAVEL, POORLY-GRADED
FAT CLAY
LIMESTONE
LEAN CLAY
TOPSOIL
DENSE GRADED AGGREGATE
FILL



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

NOTE: SEE GEOTECHNICAL DESIGN NOTES AND REQUIREMENTS SHEET FOR OTHER DESIGN REQUIREMENTS AND PARAMETERS

Acceptable Wall Types
The retaining walls 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.

Mechanically Stabilized Earth (MSE) Wall – Segmental Precast
Mechanically Stabilized Earth (MSE) Wall - Modular Block
Cast-in Place Concrete Cantilever Wall
Cast-in Place Concrete Gravity Wall

TABLE 2 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR MSE WALLS

STATION LIMITS	FOUNDATION (REINFORCED ZONE) BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
701+28 to 701+72	Firm Residual Clay Soils	3,100	0.3
701+28 to 701+72	Improved subgrade: Undercut 3 feet (Depth, D) below proposed footing elevation and replace with Graded Solid Rock or select backfill **	4,500	0.45

TABLE 3 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR CIP CANTILEVER OR GRAVITY WALLS

STATION LIMITS	FOUNDATION BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
701+28 to 701+72	Firm Residual Clay Soils	3,100	0.3
701+28 to 701+72	Improved subgrade: Undercut 3 feet (Depth, D) below proposed footing elevation and replace with Graded Solid Rock or select backfill **	4,500	0.45

* Refer to Typical Details for additional recommendations
** Select Backfill as specified in TDOT Special Provision 624 regarding retaining walls

SUMMARY TABLE OF GEOTECHNICAL BORING LOCATIONS AND ELEVATIONS

BORING	STATION	OFFSET DISTANCE	GROUND ELEVATION	TERMINATION ELEVATION	AUGER REFUSAL ELEVATION
B-10	KEITH STA. 65+00	35' LT	903	880.3	880.3
B-11	KEITH STA. 66+30	50' LT	909	888.5	NONE

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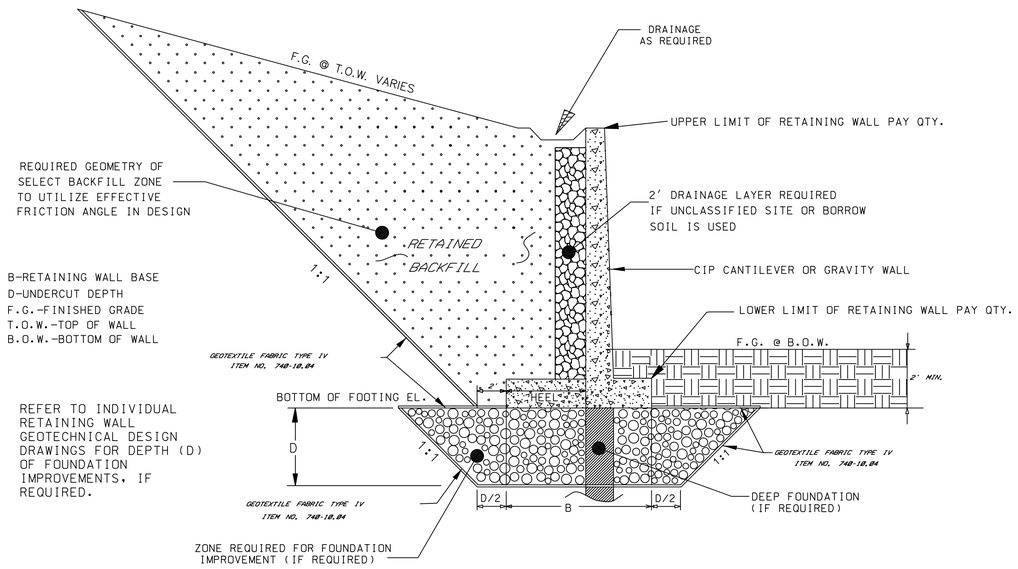
DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 7 GEOTECHNICAL DESIGN DRAWINGS

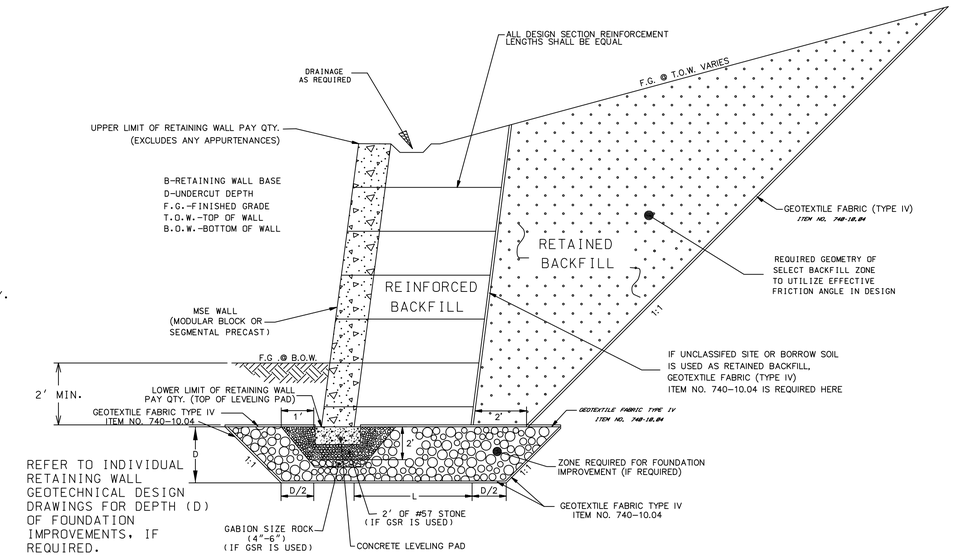
\\10.1.1.9\Tuscalossa Projects\20\2\100812 Nashville\010 Neel-Schaeffer SR62\SR62 Wall 07.dwg

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AH



TYPICAL DETAIL
CIP CONCRETE CANTILEVER OR GRAVITY WALL



TYPICAL DETAIL
MSE WALL – MODULAR BLOCK\SEGMENTAL PRECAST

RETAINING WALL LIMITS	DEPTH "D" (FEET)
701+28 to 701+72	3*

* FOR SUBGRADE DESIGN OPTIONS, REFER TO TABLES 2 AND 3 ON RETAINING WALL NO. 7 GETECHNICAL DESIGN DRAWINGS SHEET.

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KNOX COUNTY

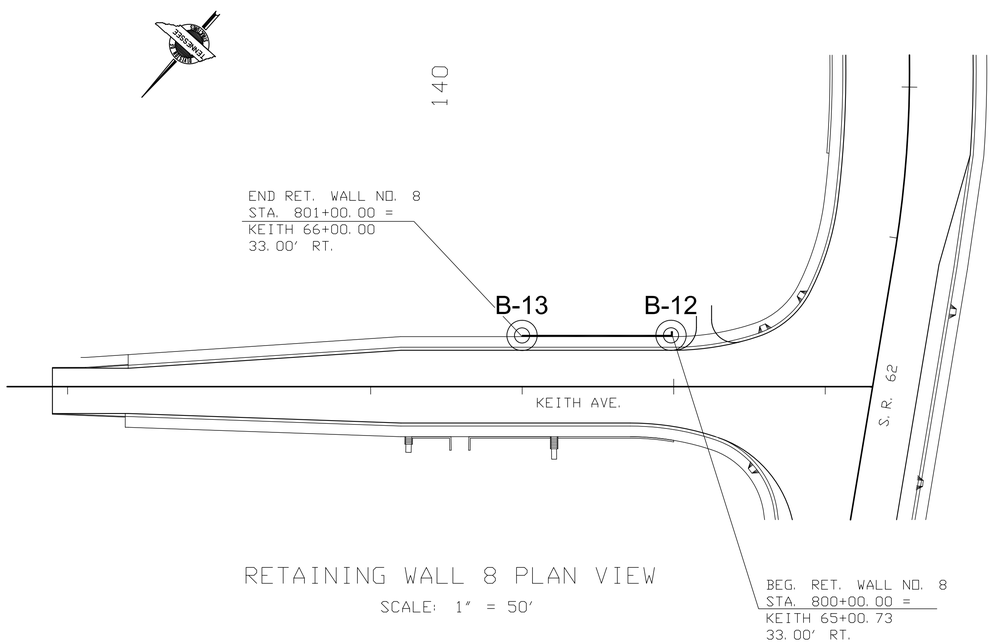
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 7
TYPICAL DETAIL
CIP CANTILEVER WALL
GRAVITY WALL
MSE MODULAR BLOCK
MSE SEGMENTAL PRECAST

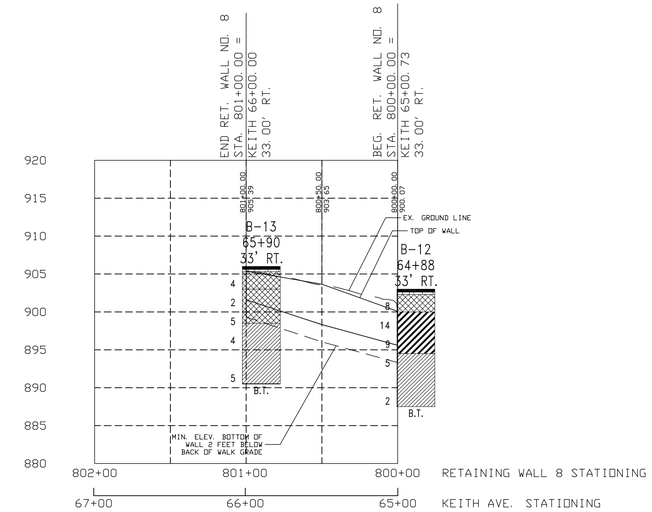
\\10.1.1.9\Tuscaloosa Projects\2012\1008812 Nashville\010 Neel-Schaeffer SR62\SR62 Wall Details.dwg

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AI



RETAINING WALL 8 PLAN VIEW
SCALE: 1" = 50'



RETAINING WALL 8 PROFILE
SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

B-13 Soil Boring Location and Identifier

BORING LEGEND

BORING NO.
N (BPF)
RQD/REC
MATERIAL SYMBOL

AR = Auger Refusal / BT = Boring Terminated

Boreholes are projected onto centerline profile

ASPHALT (BITUMINOUS CONCRETE)
GRAVEL, POORLY-GRADED
FAT CLAY
LIMESTONE
LEAN CLAY
TOPSOIL
DENSE GRADED AGGREGATE
FILL

NOTE: SEE GEOTECHNICAL DESIGN NOTES AND REQUIREMENTS SHEET FOR OTHER DESIGN REQUIREMENTS AND PARAMETERS

Acceptable Wall Types
The retaining walls 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.

Mechanically Stabilized Earth (MSE) Wall – Segmental Precast
Mechanically Stabilized Earth (MSE) Wall - Modular Block
Cast-in Place Concrete Cantilever Wall
Cast-in Place Concrete Gravity Wall

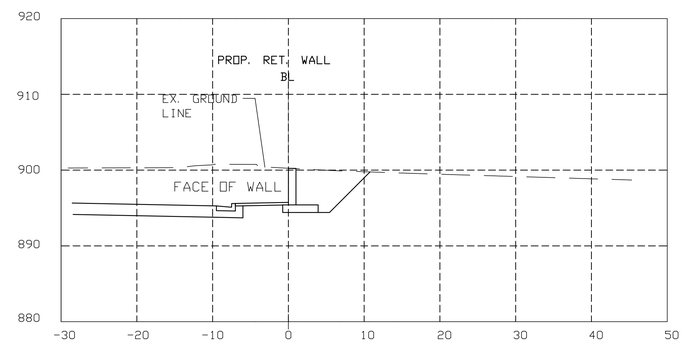
TABLE 2 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR MSE WALLS

STATION LIMITS	FOUNDATION (REINFORCED ZONE) BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
800+00 to 800+50	Improved subgrade: Undercut 3 feet (Depth, D) below proposed footing elevation and replace with Graded Solid Rock or select backfill **	7,500	0.4
800+50 to 801+00	Stiff Residual Clay Soil	4,000	0.3

TABLE 3 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR CIP CANTILEVER WALLS OR GRAVITY WALLS

STATION LIMITS	FOUNDATION BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
800+00 to 800+50	Improved subgrade: Undercut 3 feet (Depth, D) below proposed footing elevation and replace with Graded Solid Rock or select backfill **	7,500	0.4
800+50 to 801+00	Stiff Residual Clay Soil	4,000	0.3

* Refer to Typical Details for additional recommendations
** Select Backfill as specified in TDOT Special Provision 624 regarding retaining walls



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

SUMMARY TABLE OF GEOTECHNICAL BORING LOCATIONS AND ELEVATIONS

BORING	STATION	OFFSET DISTANCE	GROUND ELEVATION	TERMINATION ELEVATION	AUGER REFUSAL ELEVATION
B-12	KEITH STA. 64+88	33' RT	903	887.5	NONE
B-13	KEITH STA. 65+90	33' RT	906	890.5	NONE

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KNOX COUNTY

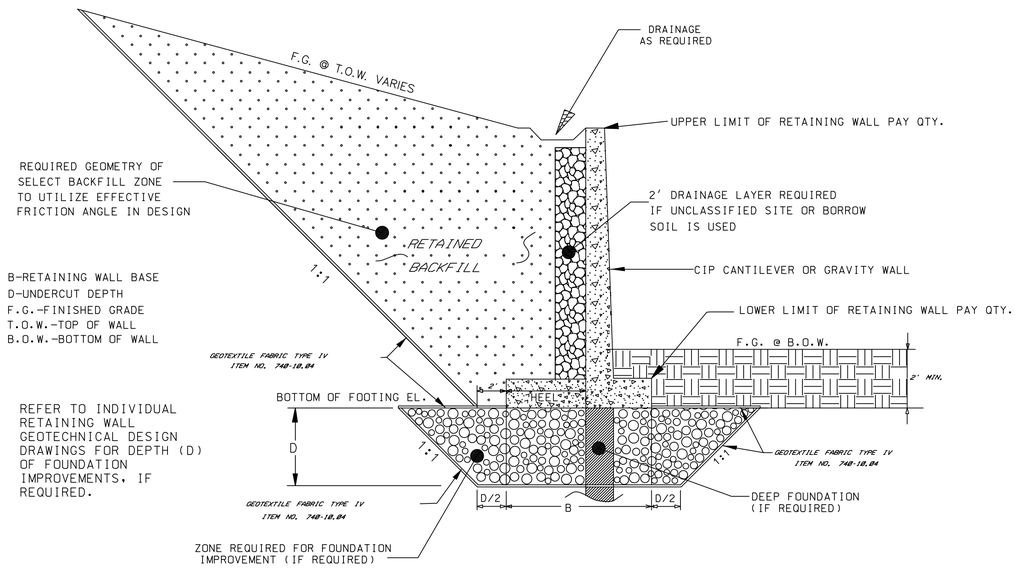
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 8 GEOTECHNICAL DESIGN DRAWINGS

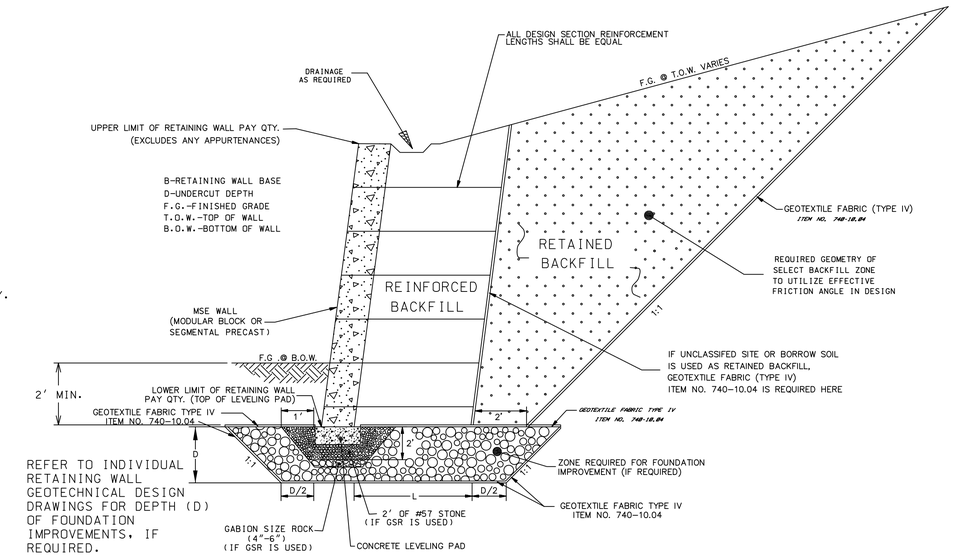
\\10.1.1.9\Tuscalossa Projects\2012\100812 Nashville\010 Neel-Schaeffer SR62\SR62 Wall 08.dwg

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AJ



TYPICAL DETAIL
CIP CONCRETE CANTILEVER OR GRAVITY WALL



TYPICAL DETAIL
MSE WALL – MODULAR BLOCK\SEGMENTAL PRECAST

RETAINING WALL LIMITS	DEPTH "D" (FEET)
800+00 to 800+50	3*

* FOR SUBGRADE DESIGN OPTIONS, REFER TO TABLES 2 AND 3 ON RETAINING WALL NO. 8 GETECHNICAL DESIGN DRAWINGS SHEET.

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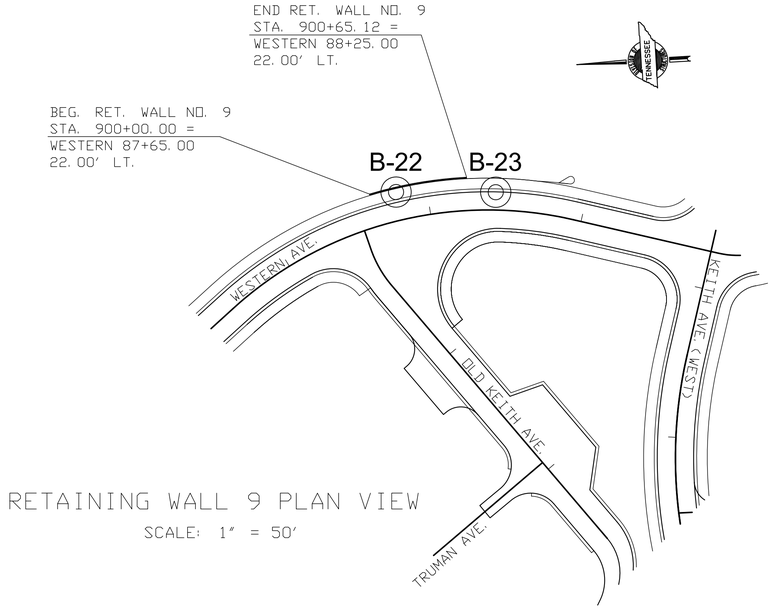
RETAINING WALL NO. 8
TYPICAL DETAIL
CIP CANTILEVER WALL
GRAVITY WALL
MSE MODULAR BLOCK
MSE SEGMENTAL PRECAST

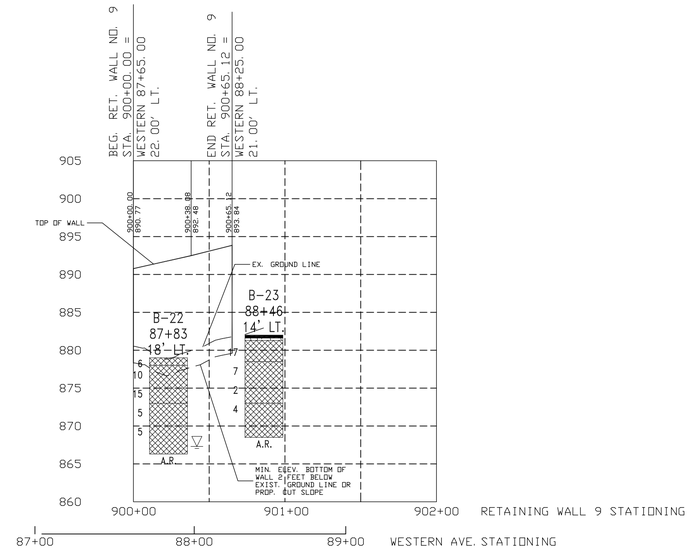
\\10.1.1.9\Tuscaloosa Projects\2012\1008812 Nashville\010 Neel-Schaeffer SR62\SR62 Wall Details.dwg

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AK



RETAINING WALL 9 PLAN VIEW
SCALE: 1" = 50'



RETAINING WALL 9 PROFILE
SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

B-23 Soil Boring Location and Identifier

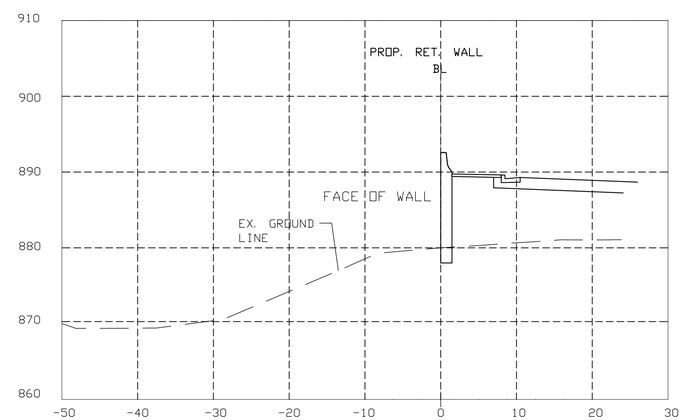
BORING LEGEND

BORING NO.
N (BPF)
RQD/REC
MATERIAL SYMBOL

AR = Auger Refusal / BT = Boring Terminated

Boreholes are projected onto centerline profile

ASPHALT (BITUMINOUS CONCRETE)
GRAVEL, POORLY-GRADED
FAT CLAY
LIMESTONE
LEAN CLAY
TOPSOIL
DENSE GRADED AGGREGATE
FILL



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

NOTE: SEE GEOTECHNICAL DESIGN NOTES AND REQUIREMENTS SHEET FOR OTHER DESIGN REQUIREMENTS AND PARAMETERS

Acceptable Wall Types
The retaining walls 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.

Mechanically Stabilized Earth (MSE) Wall – Segmental Precast
Mechanically Stabilized Earth (MSE) Wall – Modular Block
Cast-in Place Concrete Cantilever Wall

TABLE 2 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR MSE WALLS

STATION LIMITS	FOUNDATION (REINFORCED ZONE) BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
900+00 to 900+65	Undercut 6 feet (Depth, D) below proposed footing elevation and replace with Graded Solid Rock	10,000	0.5
900+00 to 900+65	Aggregate Piers	Provided by specialty contractor based on pier diameter and spacing	0.4

TABLE 3 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR CIP CANTILEVER WALLS

STATION LIMITS	FOUNDATION BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
900+00 to 900+65	Undercut 6 feet (Depth, D) below proposed footing elevation and replace with Graded Solid Rock	10,000	0.5
900+00 to 900+65	Aggregate Piers	Provided by specialty contractor based on pier diameter and spacing	0.4

* Retaining wall should be located at least 5 feet from the crest of the slope. The footings should bear a minimum of 4 feet below surrounding finish grade. Refer to Typical Details for additional recommendations.

SUMMARY TABLE OF GEOTECHNICAL BORING LOCATIONS AND ELEVATIONS

BORING	STATION	OFFSET DISTANCE	GROUND ELEVATION	TERMINATION ELEVATION	AUGER REFUSAL ELEVATION
B-22	WESTERN STA. 87+83	18' LT	879	866.3	866.3
B-23	WESTERN STA. 88+46	14' LT	882	868.5	868.5

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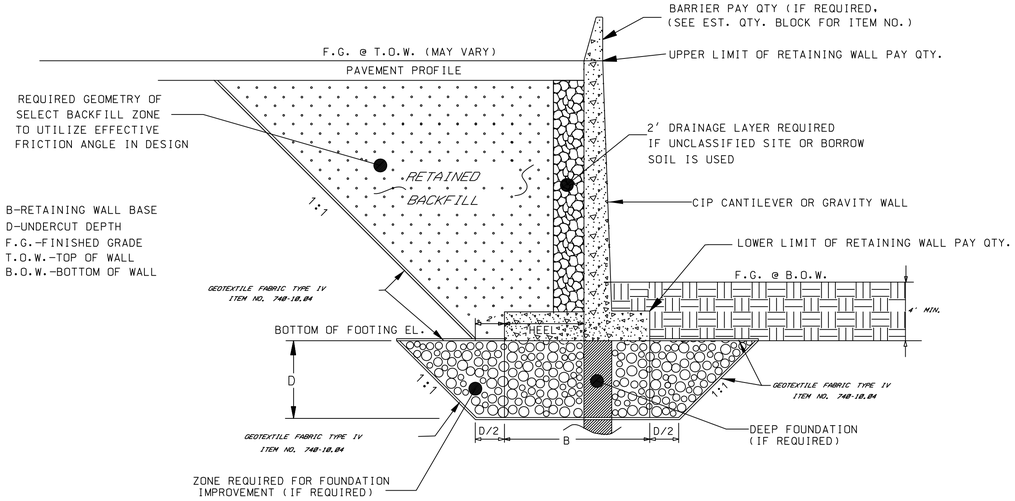
DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 9
GEOTECHNICAL DESIGN DRAWINGS

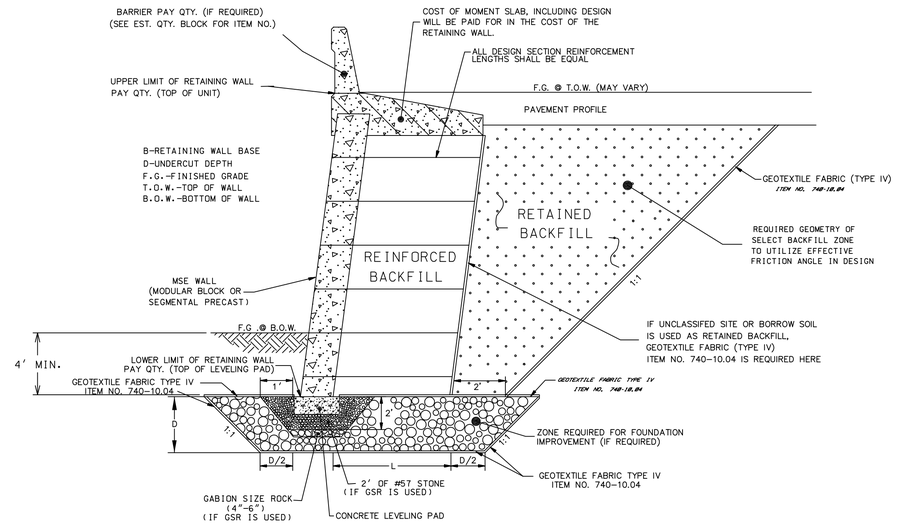
\\10.1.1.9\Tuscaloosa Projects\2012\100812 Nashville\010 Neel-Schaeffer SR62\SR62 Wall 09.dwg

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AL



TYPICAL DETAIL
CIP CONCRETE CANTILEVER OR GRAVITY WALL
BARRIER REQUIRED



TYPICAL DETAIL
MSE WALL – MODULAR BLOCK\SEGMENTAL PRECAST
BARRIER REQUIRED

RETAINING WALL LIMITS	DEPTH "D" (FEET)
900+00 to 900+65	6

RETAINING WALL SHOULD BE LOCATED AT LEAST 5 FEET FROM CREST OF THE SLOPE. THE FOOTING SHOULD BEAR A MINIMUM OF 4 FEET BELOW SURROUNDING FINISHED GRADES.

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KNOX COUNTY

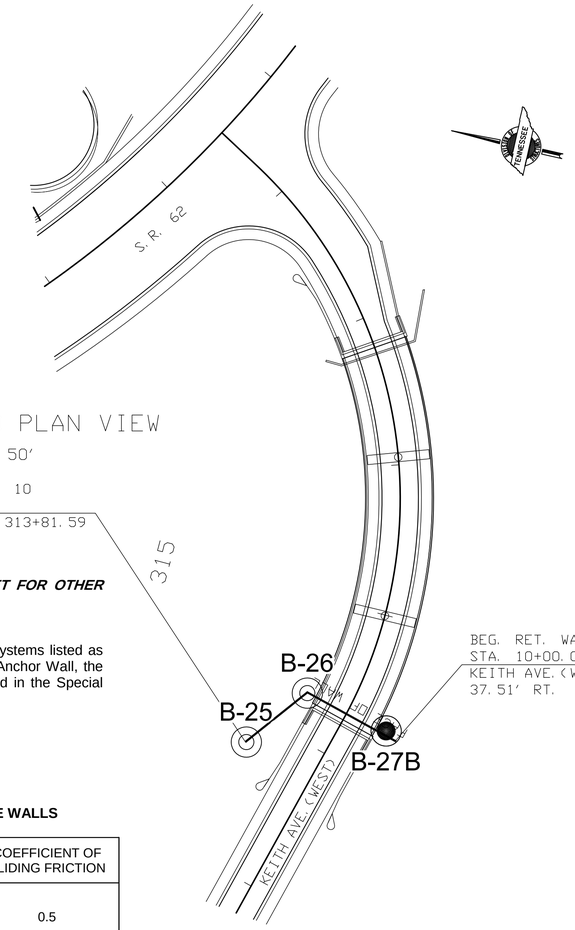
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RETAINING WALL
NO. 9
TYPICAL DETAIL
CIP CANTILEVER WALL
GRAVITY WALL
MSE MODULAR BLOCK
MSE SEGMENTAL PRECAST

\\10.1.1.9\Tuscaloosa Projects\2012\100812 Nashville\010 Neel-Schaeffer SR62\SR62 Wall Details.dwg

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AM



RETAINING WALL 10 PLAN VIEW
SCALE: 1" = 50'

END RET. WALL NO. 10
STA. 11+19.84 =
KEITH AVE. (WEST) 313+81.59
49.75' LT.

BEG. RET. WALL NO. 10
STA. 10+00.00 =
KEITH AVE. (WEST) 314+29.73
37.51' RT.

NOTE: SEE GEOTECHNICAL DESIGN NOTES AND REQUIREMENTS SHEET FOR OTHER DESIGN REQUIREMENTS AND PARAMETERS

Acceptable Wall Types
The retaining walls 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.

Mechanically Stabilized Earth (MSE) Wall – Segmental Precast
Mechanically Stabilized Earth (MSE) Wall – Modular Block
Cast-in Place Concrete Cantilever Wall

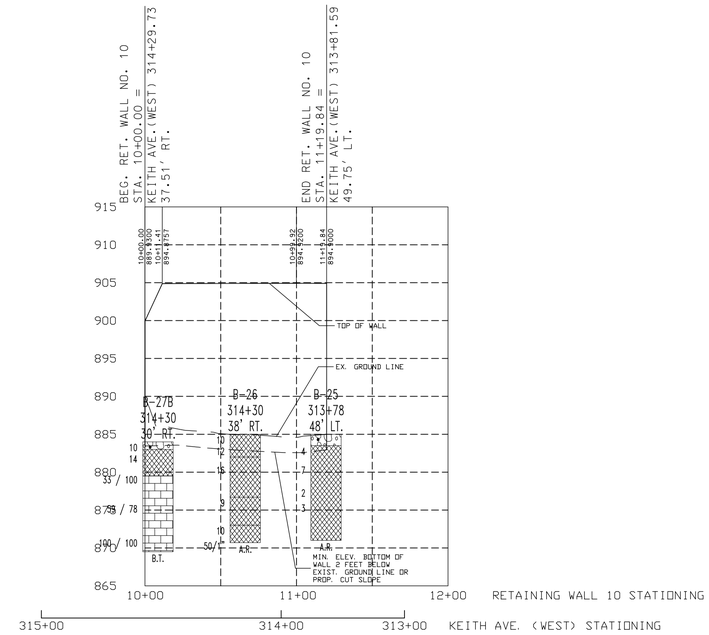
TABLE 2 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR MSE WALLS

STATION LIMITS	FOUNDATION (REINFORCED ZONE) BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
10+00 to 10+75	Undercut 6 feet (Depth, D) below proposed footing elevation or bedrock, whichever is shallower and replace with Graded Solid Rock	10,000	0.5
10+00 to 10+75	Aggregate Piers	Provided by specialty contractor based on pier diameter and spacing	0.4
10+75 to 11+19 ** (Wing Wall)	Undercut 6 feet (Depth, D) below proposed footing elevation or bedrock, whichever is shallower and replace with Graded Solid Rock	10,000	0.5
10+75 to 11+19 ** (Wing Wall)	Aggregate Piers	Provided by specialty contractor based on pier diameter and spacing	0.4

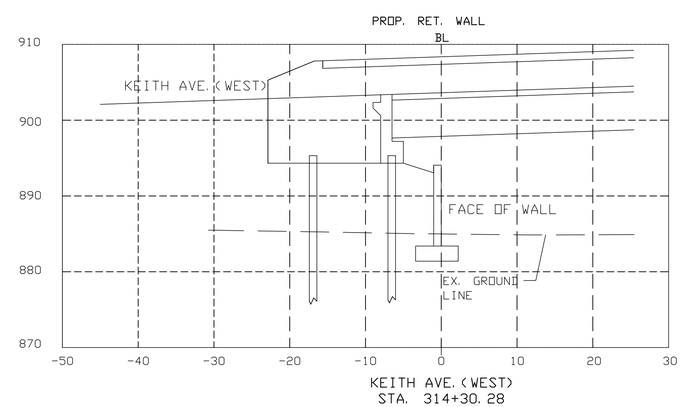
TABLE 3 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR CIP CANTILEVER WALLS

STATION LIMITS	FOUNDATION BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
10+00 to 10+75	Undercut 6 feet (Depth, D) below proposed footing elevation or bedrock, whichever is shallower and replace with Graded Solid Rock	10,000	0.5
10+00 to 10+75	Aggregate Piers	Provided by specialty contractor based on pier diameter and spacing	0.4
10+75 to 11+19 ** (Wing Wall)	Undercut 6 feet (Depth, D) below proposed footing elevation or bedrock, whichever is shallower and replace with Graded Solid Rock	10,000	0.5
10+75 to 11+19 ** (Wing Wall)	Aggregate Piers	Provided by specialty contractor based on pier diameter and spacing	0.4

* Refer to Typical Details for additional recommendations.
** Retaining Wall should be located at least 5 feet from the crest of existing slope. The footing should bear a minimum of 4 feet below surrounding finish grade.



RETAINING WALL 10 PROFILE
SCALE: 1" = 50' HORIZ.
1" = 10' VERT.



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

SUMMARY TABLE OF GEOTECHNICAL BORING LOCATIONS AND ELEVATIONS					
BORING	STATION	OFFSET DISTANCE	GROUND ELEVATION	TERMINATION ELEVATION	AUGER REFUSAL ELEVATION
B-25	KEITH (WEST) STA. 313+78	48 LT	885	871	871
B-26	KEITH (WEST) STA. 314+30	38 RT	885	870.7	870.7
B-27B	KEITH (WEST) STA. 314+30	38 LT	884	869.5	879.5

B-26 Soil Boring Location and Identifier
B-27B Soil Boring with Rock Coring Location and Identifier

BORING LEGEND

BORING NO.
N (BPF)
RQD/REC
MATERIAL SYMBOL

AR = Auger Refusal / BT = Boring Terminated

Boreholes are projected onto centerline profile

ASPHALT (BITUMINOUS CONCRETE)
GRAVEL, POORLY-GRADED
FAT CLAY
LIMESTONE
LEAN CLAY
TOPSOIL
DENSE GRADED AGGREGATE
FILL

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S.R. 62 (WESTERN AVE.)
KNOX COUNTY

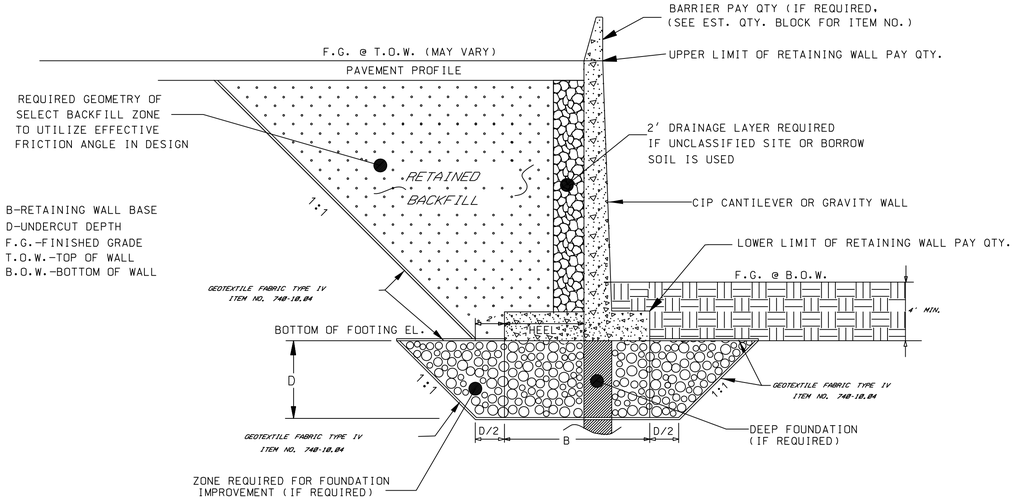
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 10 GEOTECHNICAL DESIGN DRAWINGS

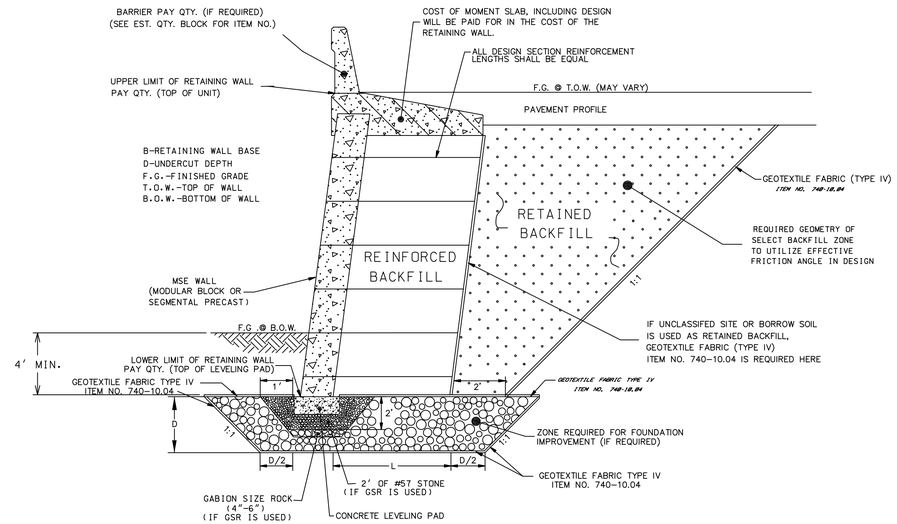
\\10.1.1.9\Tuscaloosa Projects\2012\100812 Nashville\010 Neel-Schaeffer SR62\SR62 Wall 10.dwg

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AN



TYPICAL DETAIL
CIP CONCRETE CANTILEVER OR GRAVITY WALL
BARRIER REQUIRED



TYPICAL DETAIL
MSE WALL – MODULAR BLOCK\SEGMENTAL PRECAST
BARRIER REQUIRED

RETAINING WALL LIMITS	DEPTH "D" (FEET)
10+00 to 10+75	6
10+75 to 11+19 (Wing Wall)	6

RETAINING WALL SHOULD BE LOCATED AT LEAST 5 FEET FROM CREST OF THE SLOPE. THE FOOTING SHOULD BEAR A MINIMUM OF 4 FEET BELOW SURROUNDING FINISHED GRADES.

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S.R. 62 (WESTERN AVE.)
KNOX COUNTY

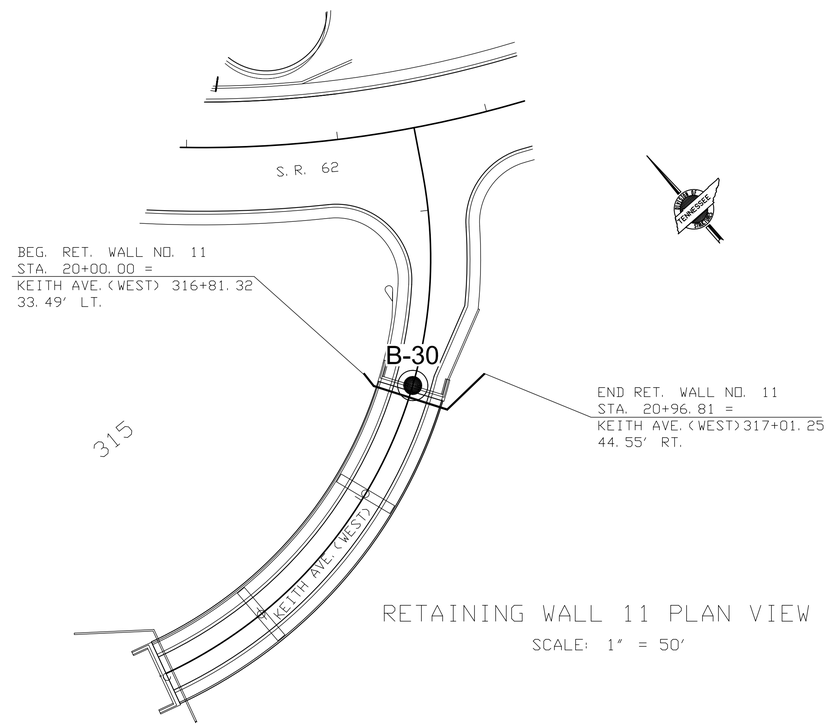
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RETAINING WALL
NO. 10
TYPICAL DETAIL
CIP CANTILEVER WALL
GRAVITY WALL
MSE MODULAR BLOCK
MSE SEGMENTAL PRECAST

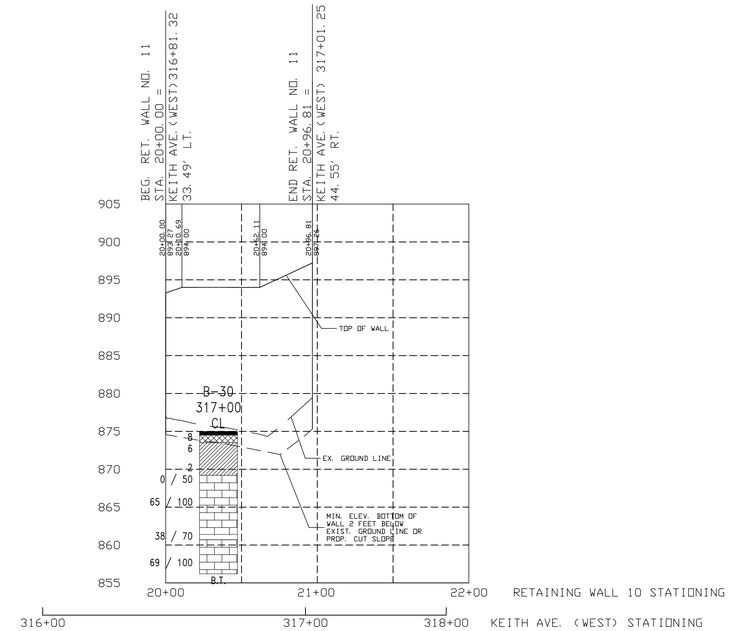
\\10.1.1.9\Tuscaloosa Projects\2012\100812 Nashville\010 Neel-Schaeffer SR62\SR62 Wall Details.dwg

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

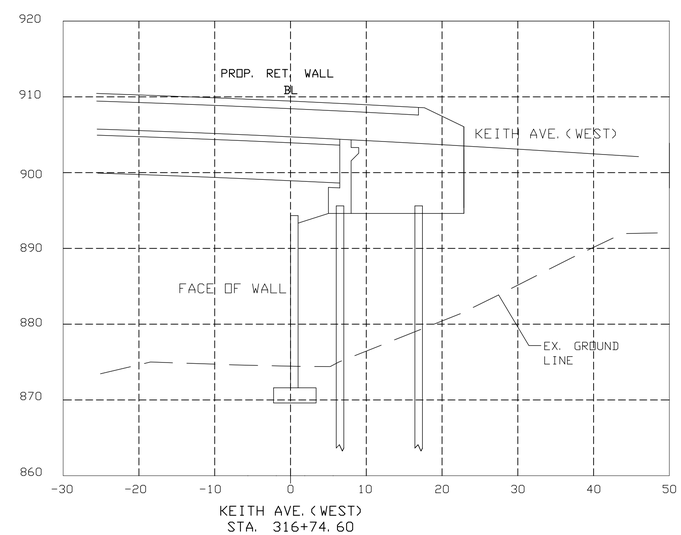
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AO



RETAINING WALL 11 PLAN VIEW
SCALE: 1" = 50'



RETAINING WALL 11 PROFILE
SCALE: 1" = 50' HORIZ.
1" = 10' VERT.



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

B-30 Soil Boring with Rock Coring Location and Identifier

BORING LEGEND

BORING NO.
N (BPF)
RQD/REC
MATERIAL SYMBOL

AR = Auger Refusal / BT = Boring Terminated

Boreholes are projected onto centerline profile

ASPHALT (BITUMINOUS CONCRETE)
GRAVEL, POORLY-GRADED
FAT CLAY
LIMESTONE
LEAN CLAY
TOPSOIL
DENSE GRADED AGGREGATE
FILL

NOTE: SEE GEOTECHNICAL DESIGN NOTES AND REQUIREMENTS SHEET FOR OTHER DESIGN REQUIREMENTS AND PARAMETERS

Acceptable Wall Types
The retaining walls shall be a Cast-in Place Concrete Cantilever Wall.

TABLE 2 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR MSE WALLS

Not Applicable

TABLE 3 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR CIP CANTILEVER WALLS

STATION LIMITS	FOUNDATION BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
20+00 to 20+96	Weathered Limestone Bedrock *Any overburden materials encountered shall be over-excavated to limestone bedrock. Resulting excavations can be backfilled to design bearing level with lean concrete*	45,000	0.7

* Refer to Typical Detail for additional recommendations.

SUMMARY TABLE OF GEOTECHNICAL BORING LOCATIONS AND ELEVATIONS

BORING	STATION	OFFSET DISTANCE	GROUND ELEVATION	TERMINATION ELEVATION	AUGER REFUSAL ELEVATION
B-30	KEITH (WEST) STA. 317+00	CL	875	859.2	869.2

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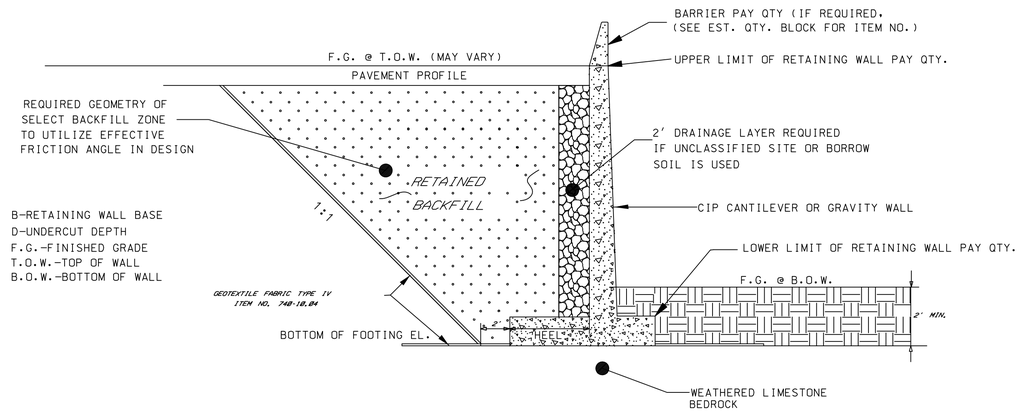
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 11
GEOTECHNICAL DESIGN DRAWINGS

\\10.1.1.9\Tuscaloosa Projects\2012\100812 Nashville\010 Neel-Schaeffer SR62\SR62 Wall 11.dwg

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AP

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



TYPICAL DETAIL
CIP CONCRETE CANTILEVER OR GRAVITY WALL
BARRIER REQUIRED

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KNOX COUNTY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

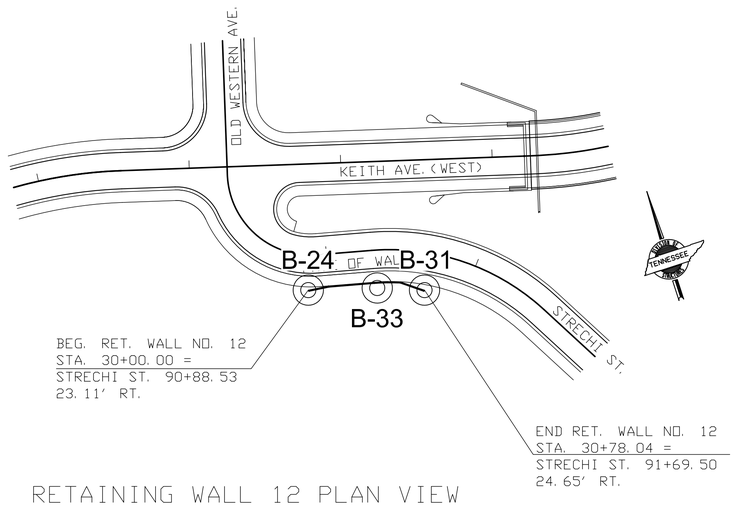
RETAINING WALL
NO. 11
TYPICAL DETAIL

CIP CANTILEVER WALL
GRAVITY WALL

\\10.1.1.9\Tuscalossa Projects\2012\100812 Nashville\010 Neel-Schaeffer SR62\SR62 Wall Details.dwg

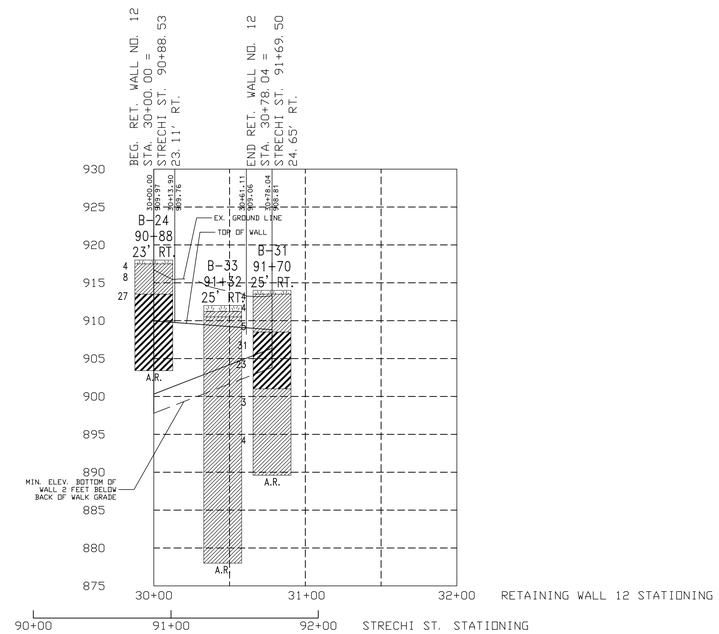
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AQ



RETAINING WALL 12 PLAN VIEW

SCALE: 1" = 50'



RETAINING WALL 12 PROFILE

SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

B-33 Soil Boring Location and Identifier

BORING LEGEND

BORING NO.

N (BPF)

RQD/REC

MATERIAL SYMBOL

AR = Auger Refusal / BT = Boring Terminated

Boreholes are projected onto centerline profile

ASPHALT (BITUMINOUS CONCRETE)
GRAVEL, POORLY-GRADED
FAT CLAY
LIMESTONE
LEAN CLAY
TOPSOIL
DENSE GRADED AGGREGATE
FILL

NOTE: SEE GEOTECHNICAL DESIGN NOTES AND REQUIREMENTS SHEET FOR OTHER DESIGN REQUIREMENTS AND PARAMETERS

Acceptable Wall Types

The retaining walls 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.

Mechanically Stabilized Earth (MSE) Wall – Segmental Precast
Mechanically Stabilized Earth (MSE) Wall – Modular Block
Cast-in Place Concrete Cantilever
Cast-in Place Concrete Gravity

TABLE 2 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR MSE WALLS

STATION LIMITS	FOUNDATION (REINFORCED ZONE) BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
30+00 to 30+78	Stiff Residual Clay Soil **	4,000	0.35

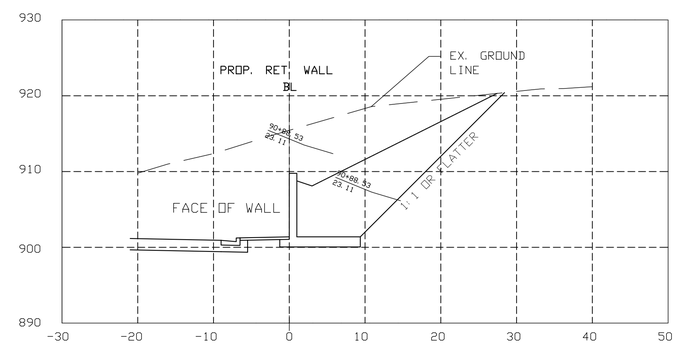
TABLE 3 – FOUNDATION PARAMETERS AND REQUIREMENTS FOR CIP CANTILEVER WALLS OR GRAVITY WALLS

STATION LIMITS	FOUNDATION BEARING CONDITION REQUIREMENT *	NOMINAL BEARING RESISTANCE (psf)	COEFFICIENT OF SLIDING FRICTION
30+00 to 30+78	Stiff Residual Clay Soil **	4,000	0.35

* Refer to Typical Details for additional recommendations

** Limestone bedrock may be encountered at or near foundation bearing elevation. To avoid differential movements in the structural elements, foundation should bearing on one material type. Limestone, if encountered, should be over excavated to allow for at least 2 feet of compacted clay soil.

Other Construction Considerations: Temporary sheeting/shoring may be required to complete excavations near proposed ROW between Strechi Street Stations 90+88 and 91+96. The contractor is responsible for design and construction of any temporary sheeting/shoring, which should be completed under the direction of a licensed engineer in the State of Tennessee. The costs for temporary sheeting/shoring shall be included in the costs of excavation.



TYPICAL SECTION

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

SUMMARY TABLE OF GEOTECHNICAL BORING LOCATIONS AND ELEVATIONS					
BORING	STATION	OFFSET DISTANCE	GROUND ELEVATION	TERMINATION ELEVATION	AUGER REFUSAL ELEVATION
B-24	STRECHI STA. 90+88	23' RT	918	903.4	903.4
B-31	STRECHI STA. 91+70	25' RT	914	889.6	889.6
B-33	STRECHI STA. 91+32	25' RT	912	878	878

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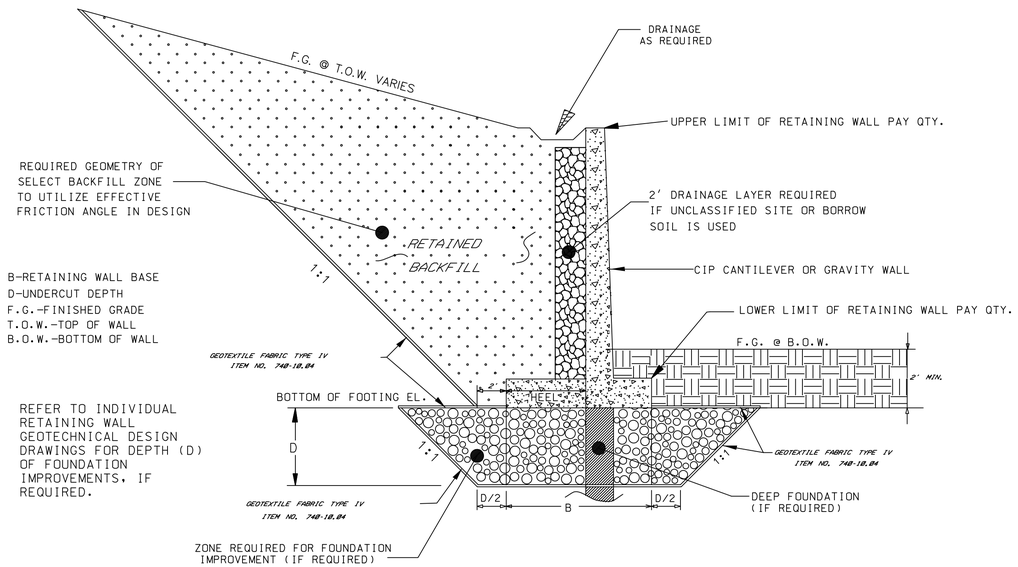
RETAINING WALL NO. 12 GEOTECHNICAL DESIGN DRAWINGS

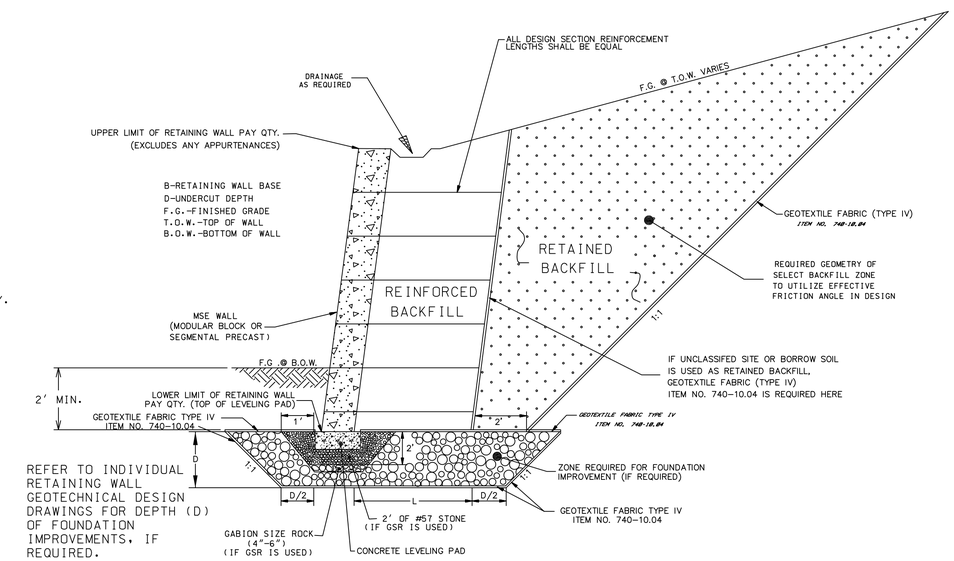
\\10.1.1.9\Tuscaloosa Projects\2012\100812 Nashville\010 Neel-Schaeffer SR62\SR62 Wall 12.dwg

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	2AR



TYPICAL DETAIL
CIP CONCRETE CANTILEVER OR GRAVITY WALL



TYPICAL DETAIL
MSE WALL – MODULAR BLOCK\SEGMENTAL PRECAST

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 12 TYPICAL DETAIL

CIP CANTILEVER WALL
GRAVITY WALL
MSE MODULAR BLOCK
MSE SEGMENTAL PRECAST

\\10.1.1.9\Tuscalossa Projects\2012\100812 Nashville\010 Neel-Schaeffer SR62\SR62 Wall Details.dwg

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	3
CONST.	2016	HPP-STP/NH-62(34)	3

REV. 10-10-12: TR. NO.3, REV. AREA TO BE ACQUIRED AND CONST. ESM'T. TR. NO. 20 DELETED SLOPE ESM'T. AND REV. CONST. ESM'T. TR. NO. 19 REV. SLOPE AND CONST. ESM'T. TR. TR. NO. 30 DELETED CONST. AND SLOPE ESM'T. TR. NO. 35 REV. AREA TO BE ACQUIRED LT. TR. NO. 12 CORRECTED OWNER AND DELTED LINE THRU TRACT. TR. NO. 30 DELETED ESM'T. AND ADDED LINE THRU TRACT.

REV. 09-13-13: TR. NO. 12, ADDED AREA TO BE ACQUIRED, DELETED CONST. ESM'T. AND ADDED FOOTNOTE NO. 9. CORRECTED AREA REMAINING TR. NO. 13 RT.

REV. 10-02-14: TR. NO. 28. CHANGED OWNER, DELETED ESM'T.'S AND ADDED FOOTNOTE 10.

REV. 03-23-16: TR. NO. 29. DELETED SLOPE AND CONST. ESM'T'S. LINED THROUGH TR. NO. 29.

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
	~~1~~	~~SAM ARMSTRONG & WIFE CHERYL ARMSTRONG~~	~~94-A-A~~	~~37.00~~	~~2082~~	~~50,53,61~~	~~4.854~~		~~4.854~~				~~4.854~~				
	~~2~~	~~MITCH WINTERS & RANDY WINTERS~~	~~94-A-A~~	~~35.00~~	~~20050407~~	~~0079313~~	~~3330 S.F.~~		~~3330 S.F.~~				~~3330 S.F.~~				
	3	JHS LIMITED PARTNERSHIP	94-A-A	32.00	20081229	0040067	1.777	3241 S.F.	1.852	0.268	3241 S.F.	0.343	1.509			128	0.116 AC
	~~4~~	~~JHS LIMITED PARTNERSHIP~~	~~94-A-A~~	~~30.00~~	~~20081229~~	~~0040067~~	~~2.828~~		~~2.828~~				~~2.828~~				
	5	RICHARD C. JOHNSON & WIFE LINDA J. JOHNSON	94-A-A	21.00	1528	47	0.527	1697 S.F.	0.566	0.187	1697 S.F.	0.226	0.340		649	518	965
	6	RICHARD C. JOHNSON & WIFE LINDA J. JOHNSON	94-A-A	20.00	20060424	0088812	0.314	611 S.F.	0.328	3196 S.F.	611 S.F.	3807 S.F.	0.241			664	504
	7	BOB JONES	94-A-A	17.00	20061205	0046971	0.927	313 S.F.	0.934	0.230	313 S.F.	0.237	0.697			1781	2000
	8	RAY V. DePUE IV AND RENEE K. ALLEN	94-A-A	16.00	20080212	0060093	0.165		0.165	0.165		0.165					
	9	JAMES ALLEN McNUTT & MARY ANNE F. McNUTT	94-A-A	15.00	20060206	0066231	0.211		0.211	0.211		0.211					
	10	JOHN M. KIERNAN, JR.	94-A-A	14.00	2015	532	0.152		0.152	0.152		0.152					
	11	HELEN S. KIERNAN, TRUSTEE	94-A-A	13.00	1901	328	0.635	0.238	0.872	0.635	0.238	0.872					
⑨	12	KXHR RAILROAD	94-A-A	N/A						0.229	0.233	0.462					
②	13	GERDAU AMERISTEEL US, INC.	94-A-B	13	20040812	0013507	54.622	1609 S.F.	54.659	0.234	1609 S.F.	0.271	54.388				
	~~15~~	~~TENNESSEE FEDERATION OF GARDEN CLUBS, INC.~~	~~94-A-B~~	~~25~~	~~1485~~	~~1093~~	~~3.698~~		~~3.698~~				~~3.698~~				
	~~17~~	~~RICHARD L. ROTH, JR.~~	~~94-A-C~~	~~7~~	~~20070625~~	~~0105576~~		~~0.331~~	~~0.331~~					~~0.331~~			
	~~18~~	~~RONALD N. SHERRILL & MICHAEL L. ALLEN~~	~~94-A-C~~	~~6~~	~~20010129~~	~~0048878~~		~~0.165~~	~~0.165~~					~~0.165~~			
	19	RUSSELL ARMSTRONG & WIFE LINDA ARMSTRONG	94-A-C	5	20080506	0083033		0.165	0.165					0.165		93	504
	20	RUSSELL ARMSTRONG & WIFE LINDA ARMSTRONG	94-A-C	4	20051017	0034281		0.165	0.165					0.165			355
	21	SANDRA K. CLINE, WIDOW	94-A-C	3	20020619	0104338		0.166	0.166		33 S.F.	33 S.F.		0.165		544	507
	22	WALTER HOBSON WARREN, JR.	94-A-C	2	1767	433		0.150	0.150		98 S.F.	98 S.F.		0.148		679	926
	23	WALTER HOBSON WARREN, JR.	94-A-C	1	1859	1017		0.141	0.141					0.141		881	990
	24	SHIRLEY A. SMITH	94-A-H	17	2167	42	3759 S.F.	927 S.F.	0.108	3759 S.F.	927 S.F.	0.108					
	25	W. T. BRADSHAW & WIFE OPAL BRADSHAW	94-A-H	16	1503	693	0.116	1060 S.F.	0.141	0.116	1060 S.F.	0.141					
	26	EARL COLLINS	94-A-H	15	2166	743	0.162	789 S.F.	0.180	0.162	789 S.F.	0.180					
	27	HENRY WRANCHER	94-A-H	14	20041102	0037156	0.182		0.182	0.182		0.182					
⑩	28	EARL PERKINS	94-A-H	13	20110810	0007582	0.181		0.181				0.181			192	401
	~~29~~	~~PAUL KEITH GIBSON~~	~~94-A-H~~	~~12~~	~~20041213~~	~~0047984~~	~~0.180~~		~~0.180~~				~~0.180~~				
	~~30~~	~~BOYCE McCALL~~	~~94-A-H~~	~~11~~	~~20020204~~	~~0063646~~	~~0.358~~		~~0.358~~				~~0.358~~				
	~~31~~	~~BOYCE McCALL~~	~~94-A-H~~	~~9~~	~~20051228~~	~~0055445~~	~~0.175~~		~~0.175~~				~~0.175~~				
	~~32~~	~~RUBY JOHNSON & WRENZO THOMPSON~~	~~94-A-H~~	~~8~~	~~20060629~~	~~0110578~~	~~0.176~~		~~0.176~~				~~0.176~~				
	~~33~~	~~RUBY JOHNSON~~	~~94-A-H~~	~~7~~	~~20020530~~	~~0098329~~	~~0.175~~		~~0.175~~				~~0.175~~				
	~~34~~	~~DONNA KAY CLANTON & CHARLES MURPHY~~	~~94-A-H~~	~~6~~	~~20060915~~	~~0024051~~	~~0.174~~		~~0.174~~				~~0.174~~				
	35	CARL T. NEWCOMB & WIFE WILMA R. NEWCOMB	94-A-H	1	1827	633	1.022	527 S.F.	1.034	0.128	527 S.F.	0.141	0.894			96	527
	36	MICHAEL L. WHITE	94-A-H	23	20051206	0049438	1.201	321 S.F.	1.209	1.201	321 S.F.	1.209					
③	37	MILDRED MELISSA POTTER HIPSHER	94-A-H	22	20070126	0060702	0.351	625 S.F.	0.365	2999 S.F.	625 S.F.	3624 S.F.	0.282			704	1015
	39	LORENE TINDELL & HUSBAND WALTER TINDELL	94-A-H	21	20011011	0028577	0.161	915 S.F.	0.182	1524 S.F.	915 S.F.	2440 S.F.	0.126			621	512
	40	ARNOLD E. POTTER & WIFE MARY POTTER	94-A-H	19, 20	1868	784	0.306	4054 S.F.	0.399	3426 S.F.	4054 S.F.	0.172	0.227			1645	1368
	41	TONY J. SHIRK	94-A-H	18	20060922	0026114	0.215	0.250	0.465	0.215	0.250	0.465					
	42	ROBERT EARL DAVIS	94-A-C	41	2136	439		0.337	0.337					0.337		420	401
	43	FRED E. JACKSON	94-A-C	40	20030620	0118084		0.225	0.225					0.225		1318	1001
	~~44~~	~~JAMES S. DAVIS, MARRIED~~	~~94-A-G~~	~~15~~	~~20010227~~	~~0056228~~		~~0.165~~	~~0.165~~					~~0.165~~			
	~~45~~	~~RICHARD E. ANDERSON & DEBRA G. WATSON~~	~~94-A-G~~	~~14~~	~~20080409~~	~~0075572~~		~~0.165~~	~~0.165~~					~~0.165~~			
	~~46~~	~~CECIL KING~~	~~94-A-G~~	~~13~~	~~20021011~~	~~0031339~~		~~0.165~~	~~0.165~~					~~0.165~~			
	~~47~~	~~CECIL KING~~	~~94-A-G~~	~~12~~	~~20010525~~	~~0082429~~		~~0.165~~	~~0.165~~					~~0.165~~			
	48	CECIL KING	94-A-G	11	20010523	0081598		0.165	0.165					0.165		91	295
	49	SHIRLEY CLEVENGER	94-A-G	10	20060228	0072337		0.165	0.165					0.165		714	511
	50	SIDNEY RENERT	94-A-G	9	1720	41		0.167	0.167		747 S.F.	747 S.F.		0.149		573	1132

① FOR WORKING ROOM AND INSTALLATION OF EROSION PREVENTION AND SEDIMENT CONTROL ITEMS.
② TRACT NO. 13 - COMBINED 13, 14, 16 AND 128 INTO TRACT NO. 13 DELETED TRACT NO.'S 14, 16 AND 128 FROM ACQUISITION TABLE.
③ TRACT NO. 38 COMBINED INTO TRACT NO. 37 DELETED TRACT NO. 38 FROM ACQUISITION TABLE.
⑨ SR-62 (WESTERN AVE.) BRIDGE - 0.115 ACRES LEFT AND 0.116 ACRES RIGHT
KEITH AVENUE BRIDGE - 0.114 ACRES LEFT AND 0.117 ACRES RIGHT.
⑩ ACCESS IMPAIRED

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY ACQUISITION TABLE

5/4/2016 11:17:10 AM
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	3A
CONST.	2016	HPP/STP/NH-62(34)	3A

REV. 10-10-12: DELETED LINE THRU TR. NO.'S 52, 53, 54, 54A, 55 AND 56, CHANGED OWNERS FOR TR. NO.'S 54A AND 55. ADDED TR. NO. 54B FROM NORTHERN PORTION OF TR. NO. 54A AND TR. NO. 76 FROM WESTERN PORTION OF TR. NO. 75, ADJUSTED ACQUISITION TABLE ACCORDINGLY. CHANGED FOOTNOTE NO. 2 TO 4. TR. NO.'S 88 - 95 REV. AREA TO BE ACQUIRED AND/OR SLOPE AND CONST. ESM'T. ADDED TR. NO. 58S.

REV. 09-13-13: REVISED TOTAL AREA FOR TR. NO. 52 AND SLOPE AND CONST. ESM'T. FOR TR. NO. 66. ADDED FOOTNOTE 10, CHANGED TR.'S 52, 53 AND 54 FROM FOOTNOTE 4 TO FOOTNOTE 10.

REV. 11-13-13: ADDED PROP. ROW FOR TR. NO. 86, REV. PROP. ROW FOR TR. NO.'S. 87, 88 AND 89. REV. SLOPE AND CONST. ESM'T. FOR TR. NO.'S. 86, 87, 88 AND 89.

REV. 10-02-14: CHANGED OWNER FOR TR. NO. 52. REVISED CONST. ESM'T AND ADDED FOOTNOTE 12 FOR TR. NO. 54 AND FOOTNOTE 7 FOR TR. NO.'S 66 AND 74. DELETED AREA TO BE ACQUIRED FOR TR. NO.'S 66 AND 74.

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
	~~51~~	~~ROBERT WEMYSS MONDAY~~	~~94-A-G~~	~~8~~	~~19991216~~	~~0045039~~		~~0.101~~	~~0.101~~					~~0.101~~			
⑩	52	SHIRLEY MAE BRYANT	94-A-G	7	20131114	0031177		0.159	0.159					0.159			
⑩	53	ANGIE D. OLLIS	94-A-G	6	20020320	0077434		0.166	0.166					0.166			
⑫ ⑩	54	FOY BOWLES & JIM HURT	94-A-G	5	20070215	0066175		0.333	0.333					0.333			0.333 AC
④	54A	LYNN BROWN	94-A-G	3	20081016	0025893		0.166	0.166					0.166			
④	54B	LYNN BROWN	94-A-G	4	20081016	0025893		0.166	0.166					0.166			
④	55	JERRY JOHNSON AND BARBARA JOHNSON	94-A-G	2.01	20100111	0045843		0.166	0.166					0.166			
④	56	BRUCE E. CROWE & WIFE MARGARET W. CROWE	94-A-G	2	20060526	0099429		0.166	0.166					0.166			
	57	PEGGY L. McBEE WITH LIFE ESTATE TO TRILBY SHARP GOAD	94-A-G	1	2262/2274	801/357	0.604		0.604	0.213		0.213	0.392			646	1161
	58	JERRY B. JOHNSON, TRUSTEE BARBARA J. JOHNSON, TRUSTEE	94-A-G	39	2011127	0042366	0.575		0.575	0.176		0.176	0.399			1229	2259
	58S	JERRY B. JOHNSON, TRUSTEE BARBARA J. JOHNSON, TRUSTEE	94-A-G	39.01	2011127	0042366											361
	~~59~~	~~W.E. DAVIS & GENE THOMAS~~	~~94-A-G~~	~~38.00~~	~~1159~~	~~97~~	~~0.429~~		~~0.429~~				~~0.429~~				
	~~60~~	~~ROBERT PERRY~~	~~94-A-F~~	~~1.00~~	~~20071029~~	~~0034733~~		~~0.158~~	~~0.158~~					~~0.158~~			
	61	KEITH FOSTER, SR.	94-H-D	24	20081125	0034119		0.129	0.129					0.129		1192	1270
	62	DANNIE SIGLER	94-H-D	23	20090112	0042480		0.167	0.167					0.167		566	704
	63	KNOX COUNTY, TENNESSEE	94-H-D	22	20080108	0052024	0.376	1260 S.F.	0.405	0.171	1260 S.F.	0.200	0.205			0.154 AC	1435
	64	T & M REALTY, LLC	94-H-D	26	20060728	0008423	0.171		0.171				0.171				286
	65	T & M REALTY, LLC	94-H-D	27	20061213	0048974	0.281		0.281				0.281				637
⑦	66	CHERYL J. VILES & HUSBAND JAMES H. VILES	94-H-D	29	19991213	0044109	0.128		0.128				0.128			2207	1245
	67	ROSA JAMES, SINGLE	94-H-D	30	2064	1158	1875 S.F.		1875 S.F.				1875 S.F.			319	798
	68	ELSIE L. HOOVER	94-H-D	31	1492	426	0.254	77 S.F.	0.255	0.254	77 S.F.	0.255					
	69	ARVELLE SCARLETT	94-H-E	2	1085	413	3778 S.F.		3778 S.F.	932 S.F.		932 S.F.	2846 S.F.			525	585
	70	JERRY F. COOPER & WIFE JUDY A. COOPER	94-H-E	3	1619	760		0.342	0.342					0.342			296
	~~71~~	~~LISA A. DOCKERY~~	~~94-H-E~~	~~4~~	~~20000121~~	~~0004626~~		~~0.171~~	~~0.171~~					~~0.171~~			
	~~72~~	~~JAMES M. TURNER & SHERRY K. TURNER~~	~~94-H-E~~	~~51~~	~~20040811~~	~~0012938~~		~~0.171~~	~~0.171~~					~~0.171~~			
	73	ROSIE LEE HOPSON	94-H-E	22	2113	767	0.153		0.153	2189 S.F.		2189 S.F.	0.103			242	399
⑦	74	ASA L. HOBBS, UNMARRIED	94-H-E	21	20011001	0025075	0.127		0.127				0.127			344	529
	75	JERRY G. WILLIAMS & WIFE JUDY A. WILLIAMS	94-H-E	19	1898	568	2355 S.F.		2355 S.F.	2355 S.F.		2355 S.F.					
	76	CHARLES McMILLAN	94-H-E	19	2010	803	2137 S.F.		2137 S.F.	933 S.F.		933 S.F.	1204 S.F.			220	258
	77	MICHAEL L. TRUITT & WIFE DANIELLE TRUITT	94-H-E	17	20050617	0102084	0.411		0.411	0.156		0.156	0.256			2936	2253
	78	RICK MYERS	94-H-E	16	20070524	0096188	0.257		0.257				0.257			218	793
			94-H-E	15	20070524	0096188											
	~~79~~	~~KURT MARCOTTE~~	~~94-H-E~~	~~14~~	~~20040305~~	~~0083134~~	~~0.255~~		~~0.255~~				~~0.255~~				
			94-H-E	13	20040305	0083134											
	~~80~~	~~JOHN J. SAAH & WIFE DALAL H. SAAH~~	~~94-H-E~~	~~12~~	~~2075~~	~~859~~	~~0.342~~		~~0.342~~				~~0.342~~				
	~~81~~	~~KNOXVILLE HABITAT FOR HUMANITY, INC.~~	~~94-H-F~~	~~7~~	~~20070709~~	~~0002710~~		~~0.173~~	~~0.173~~					~~0.173~~			
	~~82~~	~~ROY T. MONTGOMERY & WIFE BETTY A. MONTGOMERY~~	~~94-H-F~~	~~6~~	~~1915~~	~~317~~		~~0.167~~	~~0.167~~					~~0.167~~			
	~~83~~	~~NIGHTOWL RENTALS, LLC.~~	~~94-H-F~~	~~5~~	~~20051024~~	~~0036562~~		~~0.161~~	~~0.161~~					~~0.161~~			
	84	BRUCE EDWARD CROWE & WIFE MARGARET W. CROWE	94-H-F	4	20010116	0046309		0.155	0.155					0.155			492
	85	BRUCE CROWE & WIFE MARGARET W. CROWE	94-H-F	3	2140	820		0.147	0.147					0.147			472
	86	DALE THOMPSON & WIFE JILL THOMPSON	94-H-F	2	20031021	0045614		0.140	0.140		122 S.F.	122 S.F.		0.137		290	993
	87	DALE THOMPSON & WIFE JILL THOMPSON	94-H-F	1	20031021	0045614	0.199		0.199	0.129		0.129	3044 S.F.			371	1151
	88	DALE THOMPSON & WIFE JILL THOMPSON	94-H-F	35	20050805	0011427	0.331		0.331	0.200		0.200	0.131			1636	1584
	89	DALE THOMPSON & WIFE JILL THOMPSON	94-H-F	33	20070924	0025716	0.160		0.160	468 S.F.		468 S.F.	0.150			1675	1028
	90	RUSSELL ARMSTRONG & WIFE LINDA G. ARMSTRONG	94-H-F	32	20071017	0034279	0.319		0.319	579 S.F.		579 S.F.	0.306			1258	980
	91	G. E. KING, MARRIED	94-H-F	31	2243	533	0.159		0.159	263 S.F.		263 S.F.	0.153			441	502
	92	JAMAL MURFIQ	94-H-G	4	20081028	0028381		0.553	0.553		1614 S.F.	1614 S.F.		0.516		1803	2915
	93	DAVID AMBURN & WIFE LORI BETH AMBURN	94-H-G	3	20060523	0098109	0.358		0.358	0.358		0.358					
	94	PAUL K. LEE & WIFE BOBBIE M. LEE	94-H-G	20	946	367	0.269		0.269	0.269		0.269					
	95	ROBERT J. LEE, UNMARRIED	94-G-J	1	2007	966	0.150		0.150	0.150		0.150					

① FOR WORKING ROOM AND INSTALLATION OF EROSION PREVENTION AND SEDIMENT CONTROL ITEMS.
④ FOR DAMAGES ONLY.
⑦ UNECONOMIC REMNANTS.
⑩ ACCESS IMPAIRED
⑫ CONSTRUCTION EASEMENT TO REMOVE IMPROVEMENTS.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

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	HPP-62(34)	3B
CONST.	2016	HPP/STP/NH-62(34)	3B

REV. 10-10-12: TR. NO.'S 103, 104 AND 105 DELETED AREA TO BE ACQUIRED, SLOPE ESM'T AND CONST. ESM'T. LINED THRU TR. NO.'S. TR. NO.'S 99 AND 100 ADDED CONST. ESM.'T AND DELETED LINE THRU TR. NO.'S. TR. NO. 114 REV. AREA TO BE ACQUIRED AND CONST. ESM'T. TR. NO. 102 REV. SLOPE AND CONST. ESM'T FOR PARCEL NO.'S 6 AND 7 AND DELETED SLOPE AND CONST. ESM'T FOR PARCEL NO.'S 9 AND 10. TR. NO. 116 ADDED AREA TO BE ACQUIRED AND DELETED LINE THRU TR. TR. NO.'S 114, 118 - 121 AND 132 - 134 REV. AREA TO BE ACQUIRED AND/OR CONST. AND SLOPE ESM'T. CHANGED FOOTNOTE 2 TO 5 AND 3 TO 6. REV. ROW, SLOPE AND CONST. ESM'T. FOR TR. NO.'S 96, 97 AND 119. REV. CONST. ESM'T FOR TR. NO. 134.

REV. 10-02-14: ADDED TR. NO.'S 8028, 8052, 8066 AND 8074 AND FOOTNOTES 7 AND 10.

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
96	CARL W. BALLARD & WIFE GEORGIA BALLARD	94-G-J	21	902	129	0.180		0.180	3810 S.F.		3810 S.F.	4032 S.F.				316
97	PHILIP R. IRMINGER	94-G-J	20	20070409	0081987	0.233		0.233	2469 S.F.		2469 S.F.	0.177			300	599
~~98~~	~~AAA COOPER TRANSPORTATION~~	~~94-A-J~~	~~1~~	~~2011~~	~~996~~		~~3.749~~	~~3.749~~					~~3.749~~			~~763~~
99	ALSCO, INC.	94-A-J	2	20060907	0021536		3.444	3.444					3.444			300
100	CAMBRIDGE DEVELOPMENT	94-A-J	3	20080626	0096940		3.068	3.068					3.068			519
101	WESTERN AVENUE ACQUISITION, LLC	94-A-J	4	20020424	0087964		2.552	2.552					2.552			2189
102	WASTE MANAGEMENT, INC. OF TENNESSEE	94-A-J	6	1832	879		1.806	1.806		3320 S.F.	3320 S.F.		1.730		125	1230
		94-A-J	7	1904	941		1.062	1.062		0.143	0.143		0.919			2159
		~~94-A-J~~	~~9~~	~~1904~~	~~941~~		~~0.299~~	~~0.299~~					~~0.299~~			
		~~94-A-J~~	~~10~~	~~1904~~	~~941~~		~~0.197~~	~~0.197~~					~~0.197~~			
~~103~~	~~JOE FORD~~	~~94-A-J~~	~~19~~	~~2289~~	~~635~~	~~3207 S.F.~~	~~0.267~~	~~0.341~~				~~3207 S.F.~~	~~0.267~~			
~~104~~	~~KNOXVILLE AREA KOREAN ASSOCIATION~~	~~94-A-J~~	~~20~~	~~20020501~~	~~0090391~~	~~56 S.F.~~	~~0.168~~	~~0.169~~				~~56 S.F.~~	~~0.168~~			
~~105~~	~~ALL ELEVEN, LLC~~	~~94-H-D~~	~~10~~	~~2254~~	~~56~~	~~0.201~~		~~0.201~~				~~0.201~~				
106	CARL T. NEWCOMB & WIFE WILMA R. NEWCOMB	94-H-D	11	20021230	0056635		1260 S.F.	1260 S.F.		1260 S.F.	1260 S.F.					
~~107~~	~~KNOXVILLE UTILITIES BOARD~~	~~94-H-D~~	~~12~~	~~20011008~~	~~2760300~~		~~2586 S.F.~~	~~2586 S.F.~~					~~2586 S.F.~~			
108	BILLY FRANK STEPHENS	94-H-D	13	1670	049		0.532	0.532		0.532	0.532					
		94-H-D	14	1670	049											
		94-H-D	15	1670	049											
109	CARLENE S. GOODWIN	94-H-D	16	20050202	0060930		4335 S.F.	4335 S.F.		4335 S.F.	4335 S.F.					
110	G. W. WEAVER	94-H-D	17	NOT OF	RECORD		4277 S.F.	4277 S.F.		4277 S.F.	4277 S.F.					
111	TASK PROPERTIES	94-H-D	18	20000602	0037498		0.401	0.401		0.401	0.401					
112	RONALD M. WIDNER, UNMARRRIED	94-H-D	19	2283	1078		0.147	0.147		0.147	0.147					
113	ROY GURLEY, JR.	94-H-D	20	2147	1135		0.148	0.148		0.148	0.148					
114	CONTRACTORS SUPPLY, INC.	94-H-D	21	744	455		1.563	1.563		1.165	1.165		0.397		2741	1593
		94-H-E	1.00	744	455											
~~115~~	~~ROBERT C. DAVIS, SINGLE~~	~~94-H-J~~	~~14.00~~	~~2259~~	~~1082~~		~~0.672~~	~~0.672~~					~~0.672~~			
116	DALE THOMPSON & WIFE JILL THOMPSON	94-H-H	46.01	20050805	0011427	0.242		0.242	0.242		0.242					
~~117~~	~~KNOXVILLE UTILITIES BOARD~~	~~94-G-H~~	~~1~~	~~20051026~~	~~0037658~~		~~4081 S.F.~~	~~4081 S.F.~~					~~4081 S.F.~~			
118	AMY UNDERWOOD	94-G-H	2	20070220	0066855		0.414	0.414		0.414	0.414					
		94-G-H	3	20070220	0066855											
119	BRUCE CROWE & WIFE MARGARET W. CROWE	94-G-H	4	2178	1179		0.251	0.251		925 S.F.	925 S.F.		0.230		243	881
120	RONALD A. MILAM & WIFE MELISSA D. MILAM	94-G-H	5	1550	292		0.199	0.199		290 S.F.	290 S.F.		0.193		172	501
121	VICKI J. HINDMAN, STEVEN HINDMAN & PEGGY PHILLIPS	94-G-H	6	2275	1172		0.189	0.189		293 S.F.	293 S.F.		0.182		126	502
122	DAVID L. TOWE & WIFE MARY FAYE TOWE	94-A-A	10	20080424	0079571		0.138	0.138					0.138			
		94-A-A	24	20080424	0079571		3.624	3.624		33 S.F.	33 S.F.		3.624			301
123	GERDAU AMERISTEEL US, INC.	94-A-A	29	20050218	0065523	0.478	3773 S.F.	0.564	0.478	3773 S.F.	0.564					
		94-A-A	22	20050218	0065523		7.805	7.805		918 S.F.	918 S.F.		7.784	1154		1212
124	JHS LIMITED PARTNERSHIP	94-A-A	30	20081229	0040067	3.761	3.370 S.F.	3.838	1.313	3.370 S.F.	1.390	2.448				
⑤ ~~125~~	~~GERDAU AMERISTEEL US, INC.~~	~~94-A-A~~	~~27.01~~	~~20090421~~	~~0067288~~	~~7.070~~		~~7.070~~				~~7.070~~				
~~126~~	~~KNOXVILLE HOUSING AUTHORITY~~	~~94-A-A~~	~~1~~	~~NOT OF~~	~~RECORD~~	~~4.253~~		~~4.253~~				~~4.253~~				
⑩ 8028	EARL PERKINS	94-A-H	13	20110810	0007582	0.181		0.181	0.181		0.181					
⑩ 8052	SHIRLEY MAE BRYANT	94-A-G	7	20131114	0031177		0.159	0.159		0.159	0.159					
⑦ 8066	CHERYL J. VILES & HUSBAND JAMES H. VILES	94-H-D	29	19991213	0044109	0.128		0.128	0.128		0.128					
⑦ 8074	ASA L. HOBBS, UNMARRIED	94-H-E	21	20011001	0025075	0.127		0.127	0.127		0.127					
132	HENRY L. JONES & WIFE SYLVIA JONES	94-H-F	30.02	1905	163	0.313		0.313	259 S.F.		259 S.F.	0.307			359	994
133	DORIS E. WEAVER	94-H-G	7	20020418	0086352		0.143	0.143		476 S.F.	476 S.F.		0.133		109	503
134	CITY OF KNOXVILLE	94-G-J	16	1644	521	0.341		0.341	1126 S.F.		1126 S.F.	0.316			1122	1358

① FOR WORKING ROOM AND INSTALLATION OF EROSION PREVENTION AND SEDIMENT CONTROL ITEMS.
⑤ TRACT NO. 125 - COMBINED 125, 127, 130 AND 131 INTO TRACT NO. 125 DELETED TRACT NO.'S 127, 130 AND 131 FROM ACQUISITION TABLE.
⑥ TRACT NO. 129 NOT USED.
⑦ UNECONOMIC REMNANTS.
⑩ ACCESS IMPAIRED.

CONSTRUCTABILITY FIELD REVIEW

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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	HPP-62(34)	3C
CONST.	2016	HPP/STP/NH-62(34)	3C

REV. 10-10-12: TR. NO.'S 137, 138, 139 AND 140 DELETED AREA TO BE ACQUIRED AND/OR SLOPE ESM'T AND CONST. ESM'T. LINED THRU TR.NO.'S. ADDED TR. NO.'S 142 - 172, 6S, 7S, 8039, 8063, 8067, 8069, 8077 AND FOOTNOTES 7 AND 8. MOVED UTILITY OWNERS AND ROW-OF-WAY NOTES TO SHEET 3D. REV. SLOPE AND CONST. ESM'T. FOR TR. NO. 167.

REV. 09-13-13: ADDED TR. NO.'S 8076, 8090, 8096 AND 8097 TR. NO. 172, ADDED AREA TO BE ACQUIRED, REVISED CONST. ESM'T. AND ADDED FOOTNOTE NO. 11.

REV. 10-02-14: ADDED TR. NO.8040. TR. NO. 143 DELETED PROP. ROW AND ADDED SLOPE ESM'T. ADDED FOOTNOTE 7 TO TR. NO.'S 8040, 8076, 8090, 8096 AND 8097. TR. NO. 171 CORRECTED AREA TO BE ACQUIRED AND CONST. ESM'T.

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
	135	OPAL DIANE HYDER & L. JACQUELYN BEAVERS W/LIFE ESTATE OF ROBERTA FARRIS	94-C-A	39	20030903	0027039		0.163	0.163					0.163		480	529
	136	WAYNE A. FRENCH	94-H-G	19	2295	799	0.232		0.232				0.232			34	274
	~~137~~	~~JAMES ALLEN McNUTT & MARY ANNE McNUTT~~	~~94-A-J~~	~~21~~	~~20050706~~	~~0001747~~		~~0.167~~	~~0.167~~					~~0.167~~			
	~~138~~	~~HARLAND MATTESON & WIFE MARY MATTESON~~	~~94-A-J~~	~~22~~	~~2028~~	~~240~~		~~0.168~~	~~0.168~~					~~0.168~~			
	~~139~~	~~KNOXVILLE AREA KOREAN ASSOCIATION~~	~~94-A-J~~	~~23~~	~~20020501~~	~~0090391~~		~~0.471~~	~~0.471~~					~~0.471~~			
	~~140~~	~~ROGER BRANAM~~	~~94-H-D~~	~~9~~	~~20070926~~	~~0026259~~	~~2902 S.F.~~		~~2902 S.F.~~				~~2902 S.F.~~				
	141	VALENCIA BRYANT	94-G-J	2	20041027	0035246		0.126	0.126					0.126			101
	142	JASON P. HODGES	94-H-F	30.01	20110517	0066788	0.162		0.162	116 S.F.		116 S.F.	0.159			40	508
	143	RONALD H. MILAM, ETUX MELISSA D. MILAM	94-H-F	29	2152	658	0.160		0.160				0.160			31	495
	144	ROBERT L. PIERCY	94-H-G	10	1812	477		0.143	0.143					0.143			94
	145	JOHN R. MCALLISTER	94-H-G	9	20081014	0025485		0.144	0.144		97 S.F.	97 S.F.		0.142		19	484
	146	ROBERTS J. HAWS, ETUX DORCUS I. HAWS	94-H-G	8	1774	279		0.143	0.143		287 S.F.	287 S.F.		0.137		28	502
	147	GAYLA J. DAVIS	94-H-J	15	2311	715	0.168		0.168				0.168				177
	~~148~~	~~JACK E. ODOM, ETUX GERRY ODOM~~	~~94-H-J~~	~~16~~	~~990~~	~~581~~	~~0.168~~		~~0.168~~				~~0.168~~				
	149	BENJAMIN M. HICKEY JR., ETUX PATRICIA A. HICKEY	94-H-J	17	20041208	0047004	0.335		0.335				0.335			24	268
	150	JOSEPH M. LABELLE, ETUX JERRY F. LABELLE	94-H-J	18	20040901	0019370	0.168		0.168				0.168			301	519
	151	WILLIE R. ROUNDTREE, ETUX WILLIE D. ROUNDTREE	94-H-J	19	19990727	0007663	0.168		0.168				0.168			22	456
	152	CARL E. RUSH	94-H-H	18	2167	1143	0.312	0.313	0.625	0.312	0.313	0.625					
	153	BARBARA J. WEAVER	94-H-H	19	1490	521	2621 S.F.	3476 S.F.	0.140	2621 S.F.	3476 S.F.	0.140					
	154	KEITH AVE. BAPTIST CHURCH, TRUSTEES	94-H-H	20	1972	859		0.120	0.120					0.120		1980	1051
	155	KEITH AVE. BAPTIST CHURCH, TRUSTEES	94-H-H	21	1972	859	796 S.F.	0.239	0.258	796 S.F.	0.108	0.127		0.131		1332	514
	156	KEITH AVE. BAPTIST CHURCH, TRUSTEES	94-H-H	22	1951	956		0.247	0.247		4030 S.F.	4030 S.F.		0.154		1324	581
	157	KEITH AVE. BAPTIST CHURCH, TRUSTEES	94-H-H	23	1951	956		0.618	0.618		3504 S.F.	3504 S.F.		0.537		2960	1414
	158	KEITH AVE. BAPTIST CHURCH, TRUSTEES	94-H-H	24	1951	956		0.212	0.212		699 S.F.	699 S.F.		0.196		471	507
	159	KEITH AVE. BAPTIST CHURCH, TRUSTEES	94-H-H	25	1951	956		0.209	0.209		699 S.F.	699 S.F.		0.193			228
	160	JAMES VILES AND WILLIAM L. HARVEY	94-H-H	26	20081002	0023165		0.200	0.200		424 S.F.	424 S.F.		0.190			8
	161	JILL THOMPSON	94-H-H	46	20040309	0084024	0.338	0.556	0.894	0.338	0.114	0.452		0.443		2874	2870
	162	JILL THOMPSON	94-H-H	45	20040309	0084024	0.154		0.154				0.154			57	445
	163	FRED BLEVINS, ETUX RUTH BLEVINS	94-H-H	17	20010626	0091733		0.148	0.148		152 S.F.	152 S.F.		0.145		1152	1147
	164	FRED BLEVINS, ETUX RUTH BLEVINS	94-H-H	16	20010626	0091733		0.149	0.149					0.149		51	261
	165	FRED V. DUNLAP, ETUX PATRICIA A. DUNLAP	94-H-H	15	2189	256		0.150	0.150		751 S.F.	751 S.F.		0.133			447
	166	WILLIAM T. CARTER, ELIZABETH C. CARTER	94-H-H	14	1526	918		0.152	0.152					0.152		101	293
	167	CITY OF KNOXVILLE	94-G-G	001	1596	294	5.250		5.250				5.250			641	1418
	168	BOYZIE TURNER	94-G-H	007	19930909	0044785		2.315	2.315		266 S.F.	266 S.F.		2.309		140	502
	169	VIRGINIA K. WILSON	94-G-H	008	20050718	0005105		0.120	0.120		210 S.F.	210 S.F.		0.115		87	478
	170	H. C. GIBSON ET AL % HELEN FRITTS	94-G-H	009	WB34	519		0.135	0.135		155 S.F.	155 S.F.		0.132			448
	171	FIAT SPECIALISTS INC.	94-G-H	010	20100111	0045885		0.427	0.427		147 S.F.	147 S.F.		0.424			974
⑪	172	CSX RAILROAD		NA							1798 S.F.	1798 S.F.					0.128 AC
⑧	6S	RICHARD C. JOHNSON & WIFE LINDA J. JOHNSON	94-A-A	20.00	20060424	0088812	0.214		0.214				0.214				342
⑧	7S	BOB JONES	94-A-A	17.00	20061205	0046971	0.697		0.697				0.697				0.246 AC
⑦	8040	ARNOLD E. POTTER & WIFE MARY POTTER	94-A-H	19, 20	1868	784	0.227		0.227	0.227		0.227					
⑦	8039	LORENE TINDELL & HUSBAND WALTER TINDELL	94-A-H	21	20011011	0028577	0.126		0.126	0.126		0.126					
⑦	8063	KNOX COUNTY, TENNESSEE	94-H-D	22	20080108	0052024	0.205		0.205	0.205		0.205					
⑦	8067	ROSA JAMES, SINGLE	94-H-G	30	2064	1157	1875 S.F.		1875 S.F.	1875 S.F.		1875 S.F.					
⑦	8069	ARVELLE SCARLETT	94-H-E	2	1085	413	2846 S.F.		2846 S.F.	2846 S.F.		2846 S.F.					
⑦	8077	MICHAEL L. TRUITT & WIFE DANIELLE TRUITT	94-H-E	17	20050617	0102084	0.256		0.256	0.256		0.256					
⑦	8076	CHARLES McMILLAN	94-H-E	20	2010	803	1204 S.F.		1204 S.F.	1204 S.F.		1204 S.F.					
⑦	8090	RUSSELL ARMSTRONG & LINDA ARMSTRONG	94-H-F	32	20070117	0034279	0.306		0.306	0.306		0.306					
⑦	8096	CARL W. BALLARD & WIFE GEORGIA BALLARD	94-G-J	21	902	129	4032 S.F.		4032 S.F.	4032 S.F.		4032 S.F.					
⑦	8097	PHILIP R. IRMINGER & ELISE D. IRMINGER	94-G-J	20	20101008	0022351	0.177		0.177	0.177		0.177					

① FOR WORKING ROOM AND INSTALLATION OF EROSION PREVENTION AND SEDIMENT CONTROL ITEMS.

⑦ UNECONOMIC REMNANTS.

⑧ CONST. EASEMENT FOR TEMPORARY RUNAROUND.

⑪ AREA SHOWN UNDER "AREA TO BE ACQUIRED" IS FEE SIMPLE ROW AND AREA SHOWN UNDER "CONST. EASEMENT" IS CHARTER. AREA AND TYPE IS AS FOLLOWS:
SR-62 (WESTERN AVE.) BRIDGE - 1597 S.F. LEFT (CHARTER ROW), 37 S.F. RIGHT (CHARTER) AND 1798 S.F. RIGHT (FEE)
KEITH AVE. BRIDGE - 1969 S.F. LEFT (CHARTER) AND 1981 S.F. RIGHT (CHARTER).

CONSTRUCTABILITY
FIELD
REVIEW

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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.	2012	HPP-62(34)	3D
CONST.	2016	HPP/STP/NH-62(34)	3D

REV. 10-10-12: ADDED SHEET TO PLANS. MOVED UTILITY OWNERS AND RIGHT-OF-WAY NOTES FROM SHT. 3C. CORRECTED INFORMATION FOR UTILITY OWNER AND ADDED UTILITY NOTES.

UTILITY OWNERS

UTILITY	COMPANY	CONTACT	ADDRESS	PHONE	FAX
TELEPHONE	AT&T	DAVID OVERMAN	9733 PARKSIDE DRIVE KNOXVILLE, TN 37922	865-539-8534	865-470-8519
CATV	XFINITY (COMCAST)	J.T. POPE	5720 ASHEVILLE HWY. KNOXVILLE, TN 37924	865-862-5061 Cell 865-740-7484 Beeper 865-342-6192	865-862-5098
ELECTRIC GAS WATER SEWER	KNOXVILLE UTILITIES BOARD	GABRIEL J. BOLAS PAUL RANDOLPH (ENGR)	P.O. BOX 59017 4505 MIDDLEBROOK PIKE 37921-5599 KNOXVILLE, TN 37950-9017	865-558-2100 865-558-2704	865-558-2436

UTILITIES NOTES

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

(2) UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR 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.

RIGHT - OF - WAY NOTES

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

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

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

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

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

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

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

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

(9) ON 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.

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

(11) EASEMENT REQUIRED FOR THE RAILROAD CROSSING IS TO BE OBTAINED BY THE UTILITIES ENGINEER BY PROVISIONS CONTAINED IN THE CROSSING AGREEMENT NEGOTIATED WITH THE RAILROAD.

CONSTRUCTABILITY
FIELD
REVIEW

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DEPARTMENT OF TRANSPORTATION

UTILITY OWNERS
AND
R.O.W. NOTES

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

(5) RICHARD C. JOHNSON & WIFE, LINDA J. JOHNSON
(6) RICHARD C. JOHNSON & WIFE LINDA J. JOHNSON
(7) BOB JONES
(8) RAY V. DePUE IV & RENEE K. ALLEN
(9) JAMES ALLEN McNUTT & MARY ANNE F. McNUTT
(10) JOHN M. KEIRNAN, JR.
(11) HELEN S. KEIRNAN, TRUSTEE
~~(15)~~ TENNESSEE FEDERATION OF GARDEN CLUBS, INC.
~~(33)~~ RUBY JOHNSON
~~(34)~~ DONNA KAY CLANTON AND CHARLES MURPHY
(35) CARL T. NEWCOMB ET UX WILMA R. NEWCOMB

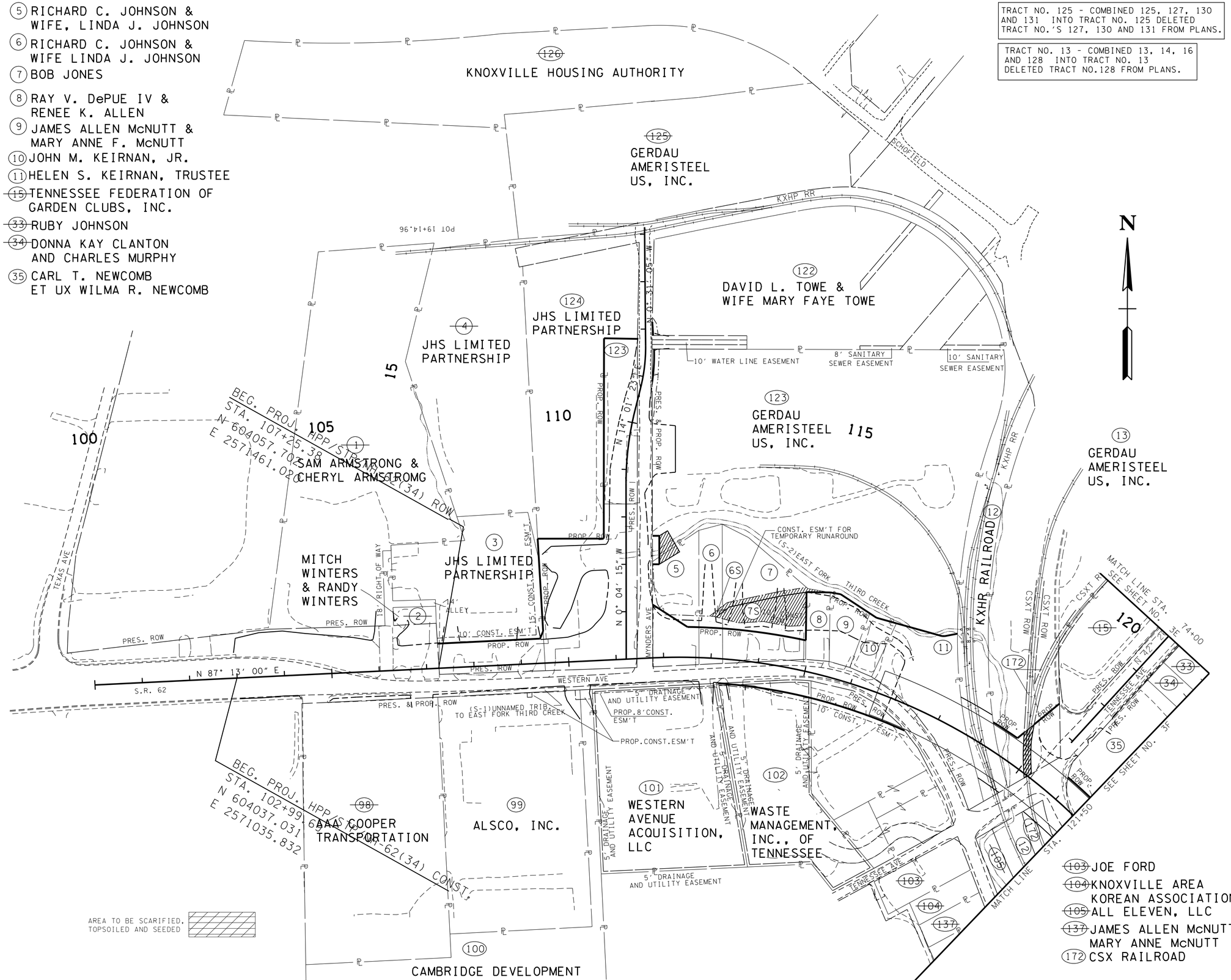
TRACT NO. 125 - COMBINED 125, 127, 130 AND 131 INTO TRACT NO. 125 DELETED TRACT NO.'S 127, 130 AND 131 FROM PLANS.

TRACT NO. 13 - COMBINED 13, 14, 16 AND 128 INTO TRACT NO. 13 DELETED TRACT NO.128 FROM PLANS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	3E
CONST.	2016	HPP/STP/NH-62(34)	3E

REV. 10-10-12: REV. SHEET NO. TR. NO. 3 REV. PROP. R.O.W., TR. NO. 124 DELETED CONST. ESM'T. DELETED IMPROVEMENTS TO TENNESSEE AVE. TO WESTERN AVE. TR. NO. 102 DELETED SLOPE AND CONST. ESM'T. LT. OF TENNESSEE AVE. TR. NO.'S 103, 104, 105 AND 137 DELETED PROP. ROW, SLOPE ESM'T., CONST. ESM'T. AND LINED THRU TR. NO.'S. ADDED CONST.ESM'T. TO TR. NO.'S 99 AND 100 DELETED LINE THRU TR. NO.'S. REV. SLOPE AND CONST. ESM'T. RT. OF S.R. 62. TR. NO. 35 DELETED PROP. R.O.W. RT. OF TENNESSEE AVE. TR. NO.12 CORRECTED OWNER, CHANGED ESM'T. FOR RAILROAD CROSSING. ADDED TR. NO. 172. ADDED CONST. ESM'T. FOR TEMPORARY RUNAROUND TR. NO.'S 6S AND 7S. CORRECTED OWNER'S NAME TR. NO. 35 AND TR. NO. FOR CSX RAILROAD.

REV. 09-13-13: REV. PROPERTY LINE AND CONST. ESM'T. FOR TR. NO. 172. DELETED PATTERN FROM TR. NO. 172 RT. DELETED PATTERN FROM TR. NO. 12 LT. AND RT.



~~(103)~~ JOE FORD
~~(104)~~ KNOXVILLE AREA KOREAN ASSOCIATION
~~(105)~~ ALL ELEVEN, LLC
~~(137)~~ JAMES ALLEN McNUTT& MARY ANNE McNUTT
(172) CSX RAILROAD

CONSTRUCTABILITY FIELD REVIEW

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DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 100+00 TO STA. 121+50

SCALE: 1"=100'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	3F
CONST.	2016	HPP/STP/NH-62(34)	3F

REV. 10-10-12: TR. NO.'S 19 AND 20. REV. SLOPE AND CONST. ESM'T.'S. DELETED LINE THRU TR. NO.'S 52, 53, 54, 54A, 55 AND 56. CHANGED OWNERS FOR TR. NO.'S 54A AND 55. ADDED TR. NO. 54B FROM NORTHERN PORTION OF TR. NO. 54A AND TR. NO. 76 FROM WESTERN PORTION OF TR. NO. 75. REV. R.O.W. AND DELETED SLOPE AND CONST. ESM'T. ON TR. NO. 75. DELETED NOTE ABOUT TR. NO. 76 COMBINED WITH TR. NO. 75. TR. NO.'S 138 AND 139 DELETED SLOPE AND CONST. ESM'T. TR. NO. 140 DELETED ROW, SLOPE AND CONST. ESM'T. LINED THRU TR. NO.'S 138, 139 AND 140. TR. NO. 30 DELETED ESM'T.S LINED THRU TR. NO. ADDED ADDITIONAL SURVEY NORTH ON KEITH AVE. ADDED TR. NO.'S 142 - 145, 167 - 171, 8039, 8063, 8067, 8069 AND 8077. TR. NO'S 88-92, 94-97, 132, 133, AND 134 REV. SLOPE, CONST. AND/OR ROW. ADDED MATCH LINE FOR SHEET 3F. MOVED TR. NO.'S 115 THRU 121 TO SHEET 3F. REV. R.O.W. TR. NO. 68. REV. SHEET NO. ADDED IMPAIRED ACCESS FOR TR. NO.'S 28, 90, 91, 97 AND 133. REV. SLOPE AND CONST. ESM'T. FOR TR. NO. 167. REV. ROW, SLOPE AND CONST. ESM'T. FOR TR. NO. 119. REV. OWNER'S NAME FOR TR. NO. 56. ADDED TRACT NO. 58S.

REV. 09-13-13: REVISED PROPERTY LINES FOR TR. NO. 52, MADE TR. NO.'S 52, 53 AND 54 IMPAIRED ACCESS. ADJUSTED SLOPE LINES RT. OF MASSACHUSETTS AVE. AND LT. OF HAWKINS RD. ADDED UNECONOMIC REMNANT NO. 8076 FOR TR. NO. 76, 8090 FOR TR. NO. 90, 8096 FOR TR. NO.96 AND 8097 FOR TR.NO. 97. REV. SLOPE AND CONST. ESM'T. FOR TR. NO.'S. 66 AND 67.

REV. 11-13-13: REV. PROP. ROW, SLOPE AND CONST. ESM'T. FOR TR. NO.'S 86, 87, 88 AND 89.

REV. 10-02-14: DELETED PROP. ROW AND ADDED SLOP ESM'T. FOR TR. NO. 143. CHANGED OWNERS FOR TR. NO.'S 28 AND 52.ADDED IMPAIRED ACCESS TR. NO. 8028 TO TR. NO. 28, 8052 TO TR. NO.52 AND UNECONOMIC REMNANT 8040 TO TR. NO. 40, 8066 TO TR. NO.66 AND 8074 TO TR.NO. 74.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

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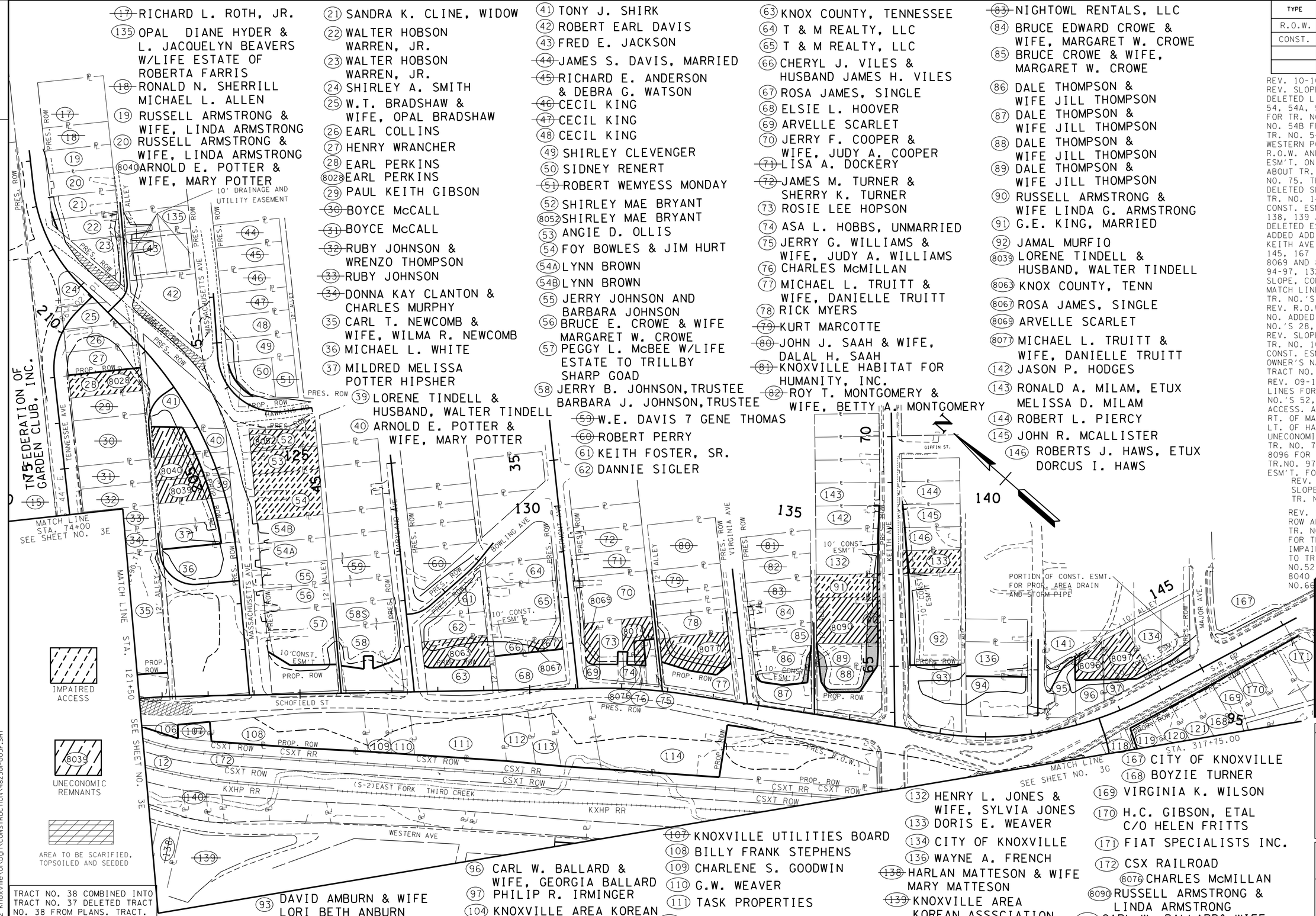
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 121+50 TO STA. 146+00

SCALE: 1"=100'



(17) RICHARD L. ROTH, JR.
(135) OPAL DIANE HYDER & L. JACQUELYN BEAVERS W/LIFE ESTATE OF ROBERTA FARRIS
(18) RONALD N. SHERRILL MICHAEL L. ALLEN
(19) RUSSELL ARMSTRONG & WIFE, LINDA ARMSTRONG
(20) RUSSELL ARMSTRONG & WIFE, LINDA ARMSTRONG
(8040) ARNOLD E. POTTER & WIFE, MARY POTTER
(21) SANDRA K. CLINE, WIDOW
(22) WALTER HOBSON WARREN, JR.
(23) WALTER HOBSON WARREN, JR.
(24) SHIRLEY A. SMITH
(25) W.T. BRADSHAW & WIFE, OPAL BRADSHAW
(26) EARL COLLINS
(27) HENRY WRANCHER
(28) EARL PERKINS
(8028) EARL PERKINS
(29) PAUL KEITH GIBSON
(30) BOYCE McCALL
(31) BOYCE McCALL
(32) RUBY JOHNSON & WRENZO THOMPSON
(33) RUBY JOHNSON
(34) DONNA KAY CLANTON & CHARLES MURPHY
(35) CARL T. NEWCOMB & WIFE, WILMA R. NEWCOMB
(36) MICHAEL L. WHITE
(37) MILDRED MELISSA POTTER HIPSHER
(39) LORENE TINDELL & HUSBAND, WALTER TINDELL
(40) ARNOLD E. POTTER & WIFE, MARY POTTER
(41) TONY J. SHIRK
(42) ROBERT EARL DAVIS
(43) FRED E. JACKSON
(44) JAMES S. DAVIS, MARRIED
(45) RICHARD E. ANDERSON & DEBRA G. WATSON
(46) CECIL KING
(47) CECIL KING
(48) CECIL KING
(49) SHIRLEY CLEVENGER
(50) SIDNEY RENERT
(51) ROBERT WEMYESS MONDAY
(52) SHIRLEY MAE BRYANT
(8052) SHIRLEY MAE BRYANT
(53) ANGIE D. OLLIS
(54) FOY BOWLES & JIM HURT
(54A) LYNN BROWN
(54B) LYNN BROWN
(55) JERRY JOHNSON AND BARBARA JOHNSON
(56) BRUCE E. CROWE & WIFE MARGARET W. CROWE
(57) PEGGY L. McBEE W/LIFE ESTATE TO TRILLBY SHARP GOAD
(58) JERRY B. JOHNSON, TRUSTEE BARBARA J. JOHNSON, TRUSTEE
(59) W.E. DAVIS 7 GENE THOMAS
(60) ROBERT PERRY
(61) KEITH FOSTER, SR.
(62) DANNIE SIGLER
(63) KNOX COUNTY, TENNESSEE
(64) T & M REALTY, LLC
(65) T & M REALTY, LLC
(66) CHERYL J. VILES & HUSBAND JAMES H. VILES
(67) ROSA JAMES, SINGLE
(68) ELSIE L. HOOVER
(69) ARVELLE SCARLET
(70) JERRY F. COOPER & WIFE, JUDY A. COOPER
(71) LISA A. DOCKERY
(72) JAMES M. TURNER & SHERRY K. TURNER
(73) ROSIE LEE HOPSON
(74) ASA L. HOBBS, UNMARRIED
(75) JERRY G. WILLIAMS & WIFE, JUDY A. WILLIAMS
(76) CHARLES McMILLAN
(77) MICHAEL L. TRUITT & WIFE, DANIELLE TRUITT
(78) RICK MYERS
(79) KURT MARCOTTE
(80) JOHN J. SAAH & WIFE, DALAL H. SAAH
(81) KNOXVILLE HABITAT FOR HUMANITY, INC.
(82) ROY T. MONTGOMERY & WIFE, BETTY A. MONTGOMERY
(83) NIGHTOWL RENTALS, LLC
(84) BRUCE EDWARD CROWE & WIFE, MARGARET W. CROWE
(85) BRUCE CROWE & WIFE, MARGARET W. CROWE
(86) DALE THOMPSON & WIFE JILL THOMPSON
(87) DALE THOMPSON & WIFE JILL THOMPSON
(88) DALE THOMPSON & WIFE JILL THOMPSON
(89) DALE THOMPSON & WIFE JILL THOMPSON
(90) RUSSELL ARMSTRONG & WIFE LINDA G. ARMSTRONG
(91) G.E. KING, MARRIED
(92) JAMAL MURFIQ
(8039) LORENE TINDELL & HUSBAND, WALTER TINDELL
(8063) KNOX COUNTY, TENN
(8067) ROSA JAMES, SINGLE
(8069) ARVELLE SCARLET
(8077) MICHAEL L. TRUITT & WIFE, DANIELLE TRUITT
(142) JASON P. HODGES
(143) RONALD A. MILAM, ETUX MELISSA D. MILAM
(144) ROBERT L. PIERCY
(145) JOHN R. MCALLISTER
(146) ROBERTS J. HAWS, ETUX DORCUS I. HAWS
(167) CITY OF KNOXVILLE
(168) BOYZIE TURNER
(169) VIRGINIA K. WILSON
(170) H.C. GIBSON, ETAL C/O HELEN FRITTS
(171) FIAT SPECIALISTS INC.
(172) CSX RAILROAD
(8076) CHARLES McMILLAN
(8090) RUSSELL ARMSTRONG & LINDA ARMSTRONG
(8096) CARL W. BALLARD& WIFE GEORGIA BALLARD
(8097) PHILIP R. IRMINGER & ELISE D. IRMINGER
(93) DAVID AMBURN & WIFE LORI BETH ANBURN
(94) PAUL K. LEE & WIFE, BOBBIE M. LEE
(95) ROBERT J. LEE, UNMARRIED
(96) CARL W. BALLARD & WIFE, GEORGIA BALLARD
(97) PHILIP R. IRMINGER
(104) KNOXVILLE AREA KOREAN ASSOCIATION
(106) CARL T. NEWCOMB & WIFE, WILMA R. NEWCOMB
(107) KNOXVILLE UTILITIES BOARD
(108) BILLY FRANK STEPHENS
(109) CHARLENE S. GOODWIN
(110) G.W. WEAVER
(111) TASK PROPERTIES
(112) RONALD M. WIDNER, UNMARRIED
(113) ROY GURLEY, JR.
(114) CONTRACTORS SUPPLY, INC.
(132) HENRY L. JONES & WIFE, SYLVIA JONES
(133) DORIS E. WEAVER
(134) CITY OF KNOXVILLE
(136) WAYNE A. FRENCH
(138) HARLAN MATTESON & WIFE MARY MATTESON
(139) KNOXVILLE AREA KOREAN ASSSCIATION
(140) ROGER BRANAM
(141) VALENCIA BRYANT

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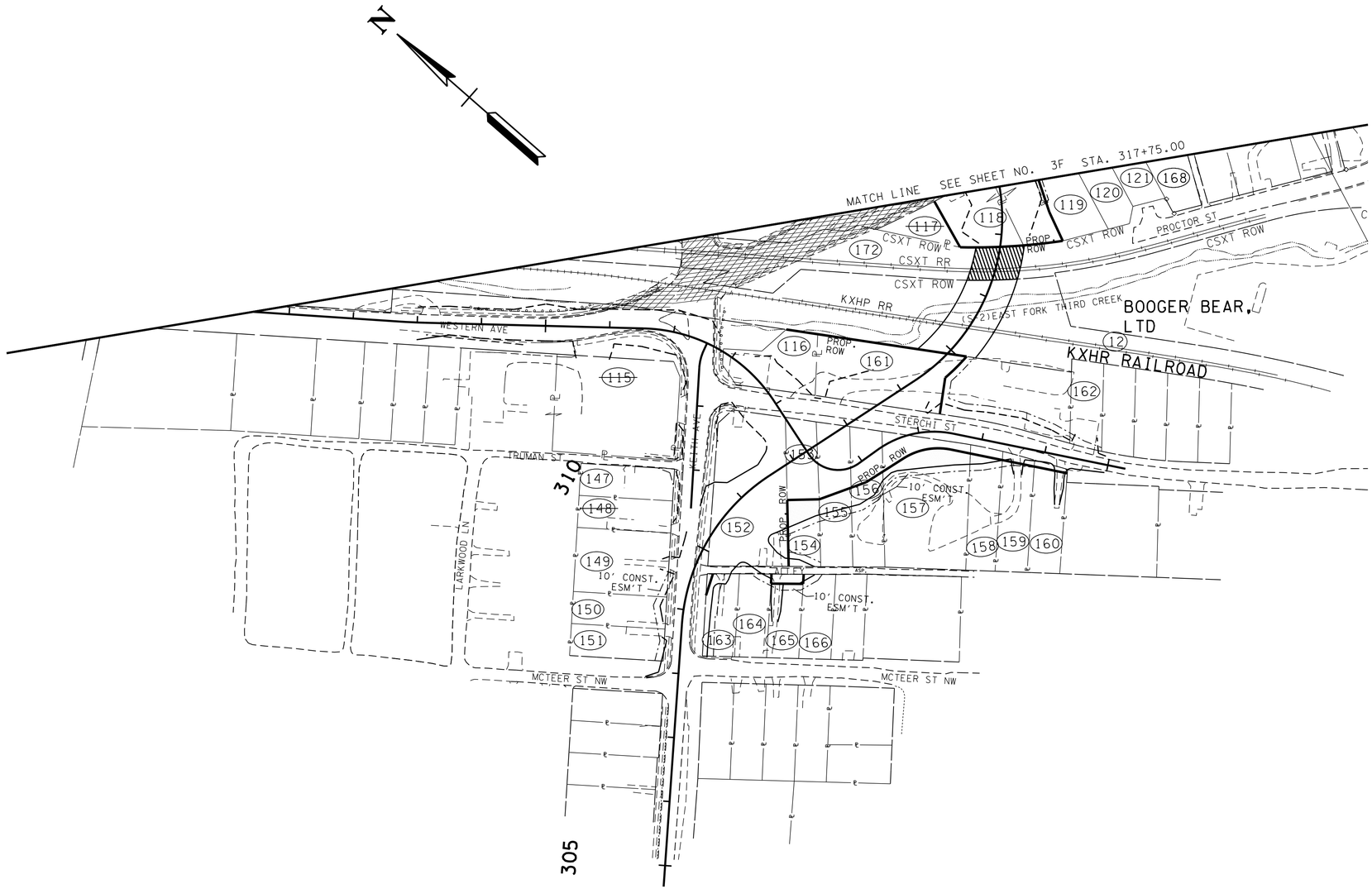
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	3G
CONST.	2016	HPP/STP/NH-62(34)	3G

REV. 10-10-12: ADDED SHEET TO PLANS. MOVED TR. NO.'S 115 THRU 121 FROM SHEET 3E. ADDED ADDITIONAL SURVEY AND TR. NO.'S 147-168 AND 172.

REV. 09-13-13: DELETED PATTERN FROM TR. NO. 12.



AREA TO BE SCARIFIED, TOPSOILED AND SEEDED

TRACT NO. 38 COMBINED INTO TRACT NO. 37 DELETED TRACT NO. 38 FROM PLANS. TRACT.

~~115~~ ROBERT C. DAVIS, SINGLE
116 DALE THOMPSON & WIFE JILL THOMPSON
~~117~~ KNOXVILLE UTILITIES BOARD
118 AMY UNDERWOOD
119 BRUCE CROWE & WIFE, MARGARET W. CROWE
120 RONALD A. MILAM & WIFE, MELISSA D. MILAM
121 VICKI J. HINDMAN, STEVEN HINDMAN & PEGGY PHILLIPS

147 GAYLA J. DAVIS
~~148~~ JACK E. ODUM, ETUX GERRY ODUM
149 BENJAMIN M. HICKEY JR. , ETUX PATRICIA A. HICKEY
150 JOSEPH M. LABELLE, ETUX JERRY F. LABELLE
151 WILLIE R. ROUNDTREE, ETUX WILLIE D. ROUNDTREE
152 CARL E. RUSH JR.
153 BARBARA J. WEAVER

154 KEITH AVE. BAPTIST CHURCH, TRUSTEES
155 KEITH AVE. BAPTIST CHURCH, TRUSTEES
156 KEITH AVE. BAPTIST CHURCH, TRUSTEES
157 KEITH AVE. BAPTIST CHURCH, TRUSTEES
158 KEITH AVE. BAPTIST CHURCH, TRUSTEES
159 KEITH AVE. BAPTIST CHURCH, TRUSTEES
160 JAMES VILES AND WILLIAM L. HARVEY

161 JILL THOMPSON
162 JILL THOMPSON
163 FRED BLEVINS, ETUX RUTH BLEVINS
164 FRED BLEVINS, ETUX RUTH BLEVINS
165 FRED V. DUNLAP, ETUX PATRICA A. DUNLAP
166 WILLIAM T. CARTER, ETUX ELIZABETH C. CARTER
168 BOYZIE TURNER
172 CSX RAILROAD

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 121+50 TO STA. 146+00
SCALE: 1"=100'

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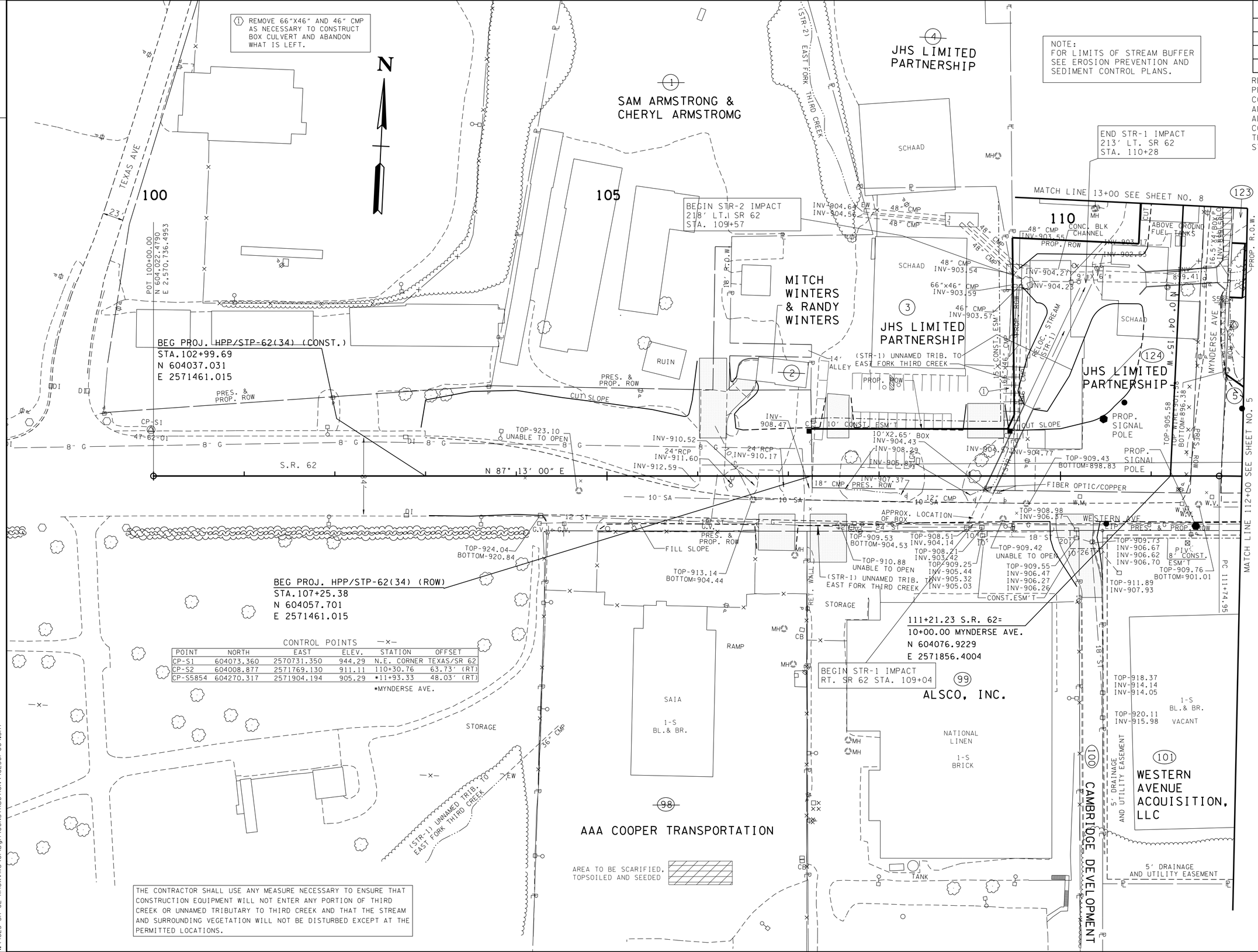
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	4
CONST.	2016	HPP/STP/NH-62(34)	4

REV. 10-10-12: TR. NO. 3. REV. PROP. R.O.W., TR. NO.'S 1 AND 2 COMBINED DRIVEWAYS, TR. NO.'S 99 AND 100 COMBINED DRIVEWAYS, ADJUSTED SLOPES ACCORDINGLY, ADDED CONST. ESM'T. AND DELETED LINE THRU TR. NO.'S. ADDED STR-1 AND STR-2 IMPACT INFORMATION.



CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
CP-S1	604073.360	2570731.350	944.29	N.E. CORNER TEXAS/SR 62	
CP-S2	604008.877	2571769.130	911.11	110+30.76	63.73' (RT)
CP-S5854	604270.317	2571904.194	905.29	*11+93.33	48.03' (RT)

*MYNDERSE AVE.

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK OR UNNAMED TRIBUTARY TO THIRD CREEK AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 100+00 TO STA. 112+00

SCALE: 1"= 50'

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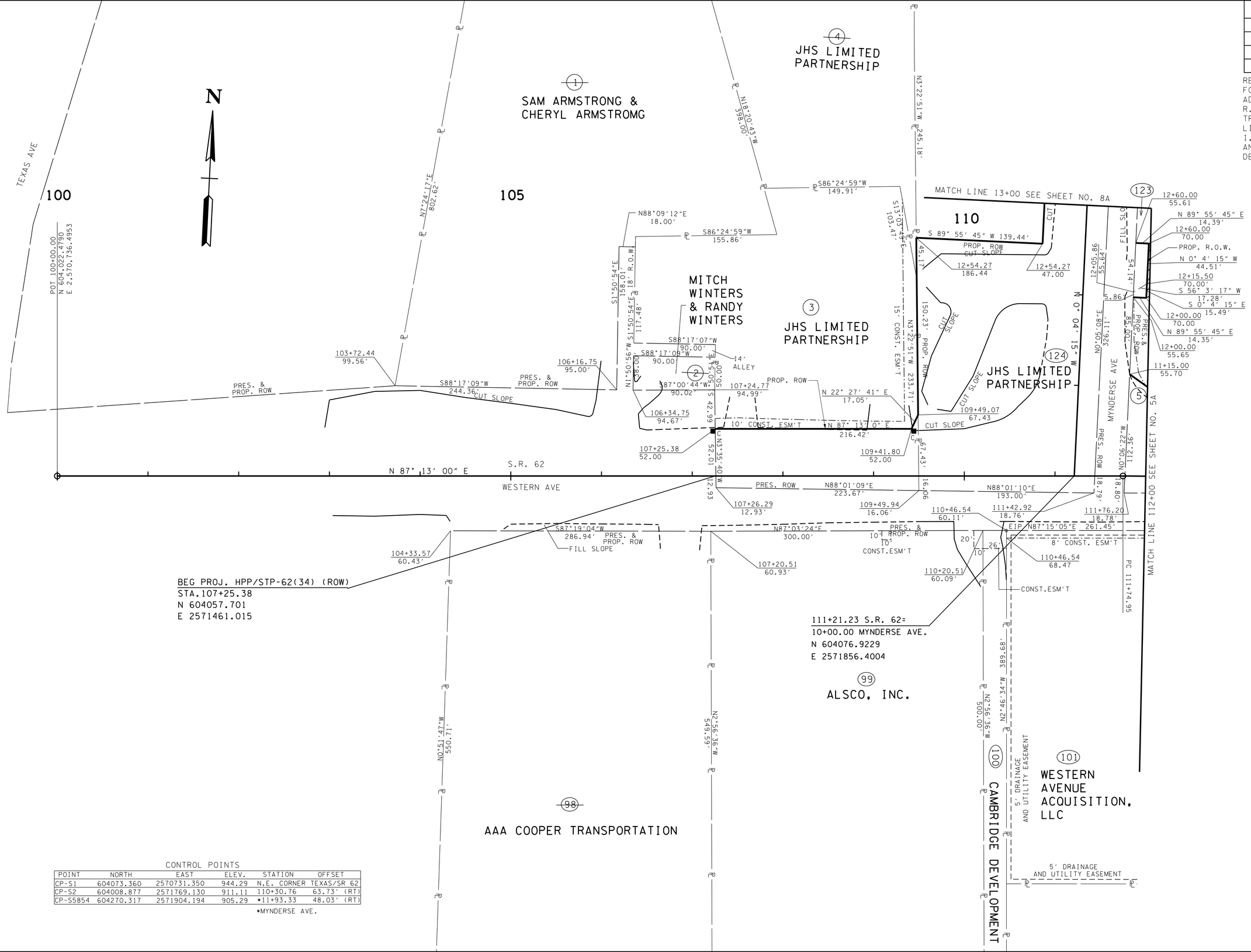
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	4A
CONST.	2016	HPP/STP/NH-62(34)	4A

REV. 10-10-12: REV. PROP. R.O.W. FOR TR. NO. 3 LT. STA. 109+41.80. ADDED BEARINGS AND DIST. TO PROP. R.O.W. RT. OF MYNDERSE AVE. FOR TR. NO.'S 5 AND 123. REV. SLOPE LINES FOR DRIVEWAYS TO TR. NO.'S 1, 2, 99 AND 100. TR. NO.'S 99 AND 100 ADDED CONST. ESM'T. AND DELETED LINE THRU TR. NO.'S.



CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
CP-S1	604073.360	2570731.350	944.29	N.E. CORNER	TEXAS/SR 62
CP-S2	604008.877	2571769.130	911.11	110+30.76	63.73' (RT)
CP-S5854	604270.317	2571904.194	905.29	*11+93.33	48.03' (RT)

*MYNDERSE AVE.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

R.O.W. DETAILS

STA.100+00 TO STA.112 +00

SCALE: 1"= 50'

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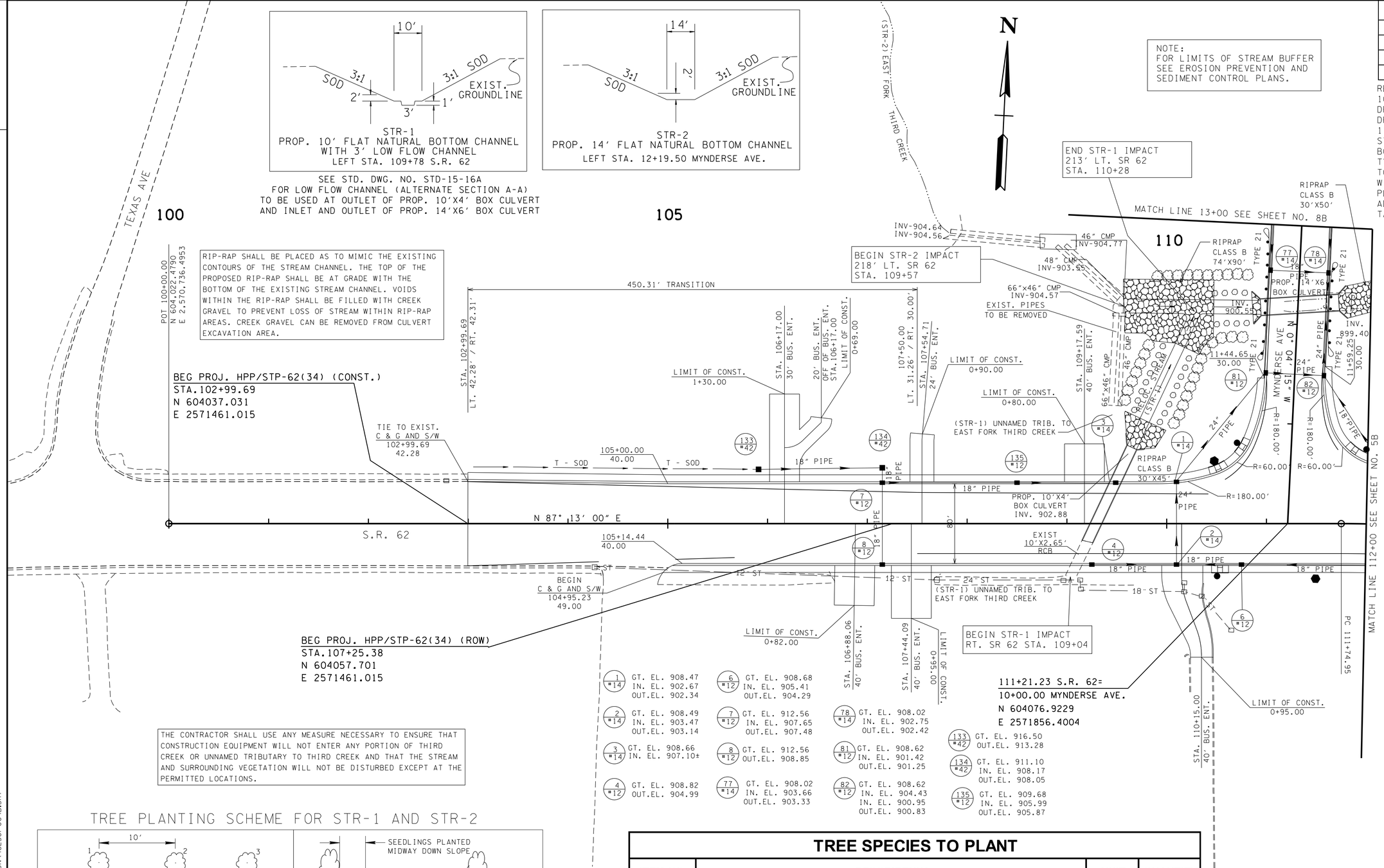
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

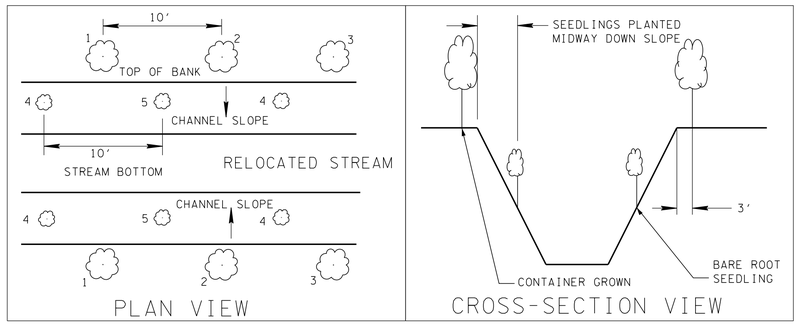
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	4B
CONST.	2016	HPP/STP/NH-62(34)	4B

REV. 10-10-12: DELETED DRIVE LT. 106+78.00. ADDED DRIVE RT. OF DRIVE LT. OF 106+17.00. COMBINED DRIVES RT. OF 109+87.47 AND 110+34.87 INTO COMMON DRIVE RT. OF STA. 110+15.00. CORRECTED PROP. BOX CULVERT LABEL. REVISED CHANNEL TYPICAL SECTIONS. ADDED TO RIPRAP TO STR-1 AND STR-2. REVISED BOTTOM WIDTH OF STR-2. ADDED TREE PLANTINGS TO STR-1 AND STR-2. ADDED TREE PLANTING SCHEME AND TABULATION.



THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK OR UNNAMED TRIBUTARY TO THIRD CREEK AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

TREE PLANTING SCHEME FOR STR-1 AND STR-2



TREE SPECIES TO PLANT

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1)	802-13.02	1. CALYCANTHUS FLORIDUS (SWEETSHRUB 2-5FT CNTNR GRWN)	EACH	10
1)	802-13.06	2. HYDRANGEA QUERCIFOLIA (OAKLF HYDRANGEA 2-5FT CNTNR GRWN)	EACH	10
1)	802-13.09	3. LINDERA BENZOIN (SPICEBUSH 2-5FT CNTNR GRWN)	EACH	10
2)	802-13.54	4. CORNUS AMOMUM (SILKY DOGWOOD SDLNG BARE ROOT)	EACH	12
2)	802-13.62	5. ILEX VERTICILLATA (CMMN WINTERBERRY SDLNG B.R.)	EACH	12

1) CONTAINER-GROWN SHRUBS TO BE ALTERNATELY PLANTED ON 10' CENTERS WITHIN 3' FOOT OF TOP OF BANK FOR LENGTH OF RELOCATED CHANNEL.

2) BARE ROOT SHRUBS TO BE ALTERNATELY PLANTED ON 10' CENTERS ALONG THE MIDPOINT OF THE BANK SLOPE FOR LENGTH OF RELOCATED CHANNEL.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 100+00 TO STA. 112+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	HPP-62(34)	4C
CONST.	2016	HPP/STP/NH-62(34)	4C

REV. 10-10-12: ADDED EARTHWORK SUMMARY BLOCK. CORRECTED STA. FOR MYNDERSE AVE. UPDATED INFORMATION FOR BOX CULVERT STA. 109+29.07.

EARTHWORK SUMMARY

EXC. (UNCL.) 67611 C.Y.

COMMON 67611 C.Y. (5197 C.Y. S.R. 62 STA. 103+00 TO STA. 116+59)
22566 C.Y. S.R. 62 STA. 122+65 TO STA. 147+04
39848 C.Y. FROM SIDE ROADS, ALLEYS AND DRIVES

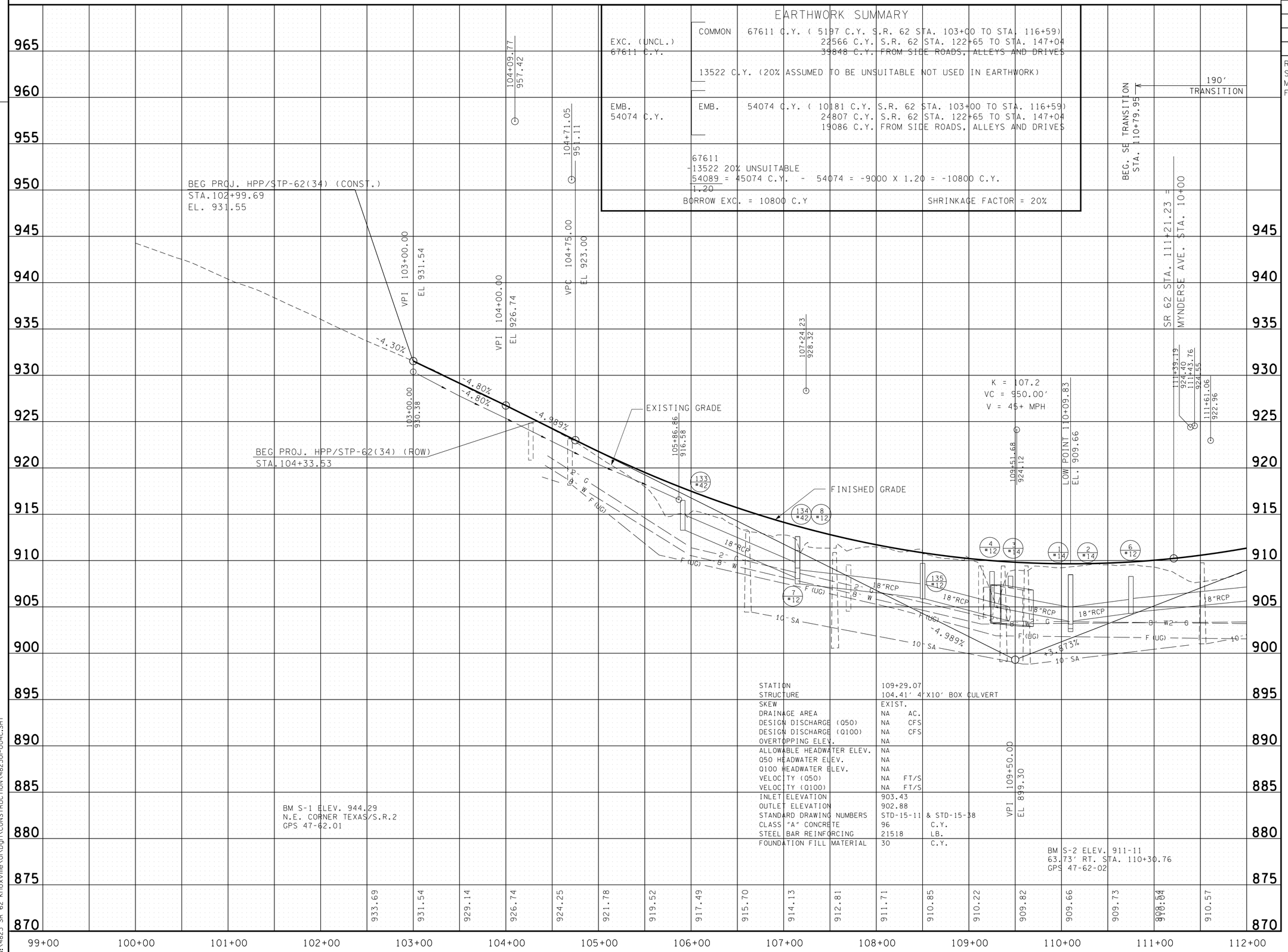
13522 C.Y. (20% ASSUMED TO BE UNSUITABLE NOT USED IN EARTHWORK)

EMB. 54074 C.Y.

EMB. 54074 C.Y. (10181 C.Y. S.R. 62 STA. 103+00 TO STA. 116+59)
24807 C.Y. S.R. 62 STA. 122+65 TO STA. 147+04
19086 C.Y. FROM SIDE ROADS, ALLEYS AND DRIVES

67611
-13522 20% UNSUITABLE
54089 / 1.20 = 45074 C.Y. - 54074 = -9000 X 1.20 = -10800 C.Y.

BORROW EXC. = 10800 C.Y. SHRINKAGE FACTOR = 20%



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 100+00 TO STA. 112+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	HPP-62(34)	5
CONST.	2016	HPP/STP/NH-62(34)	5

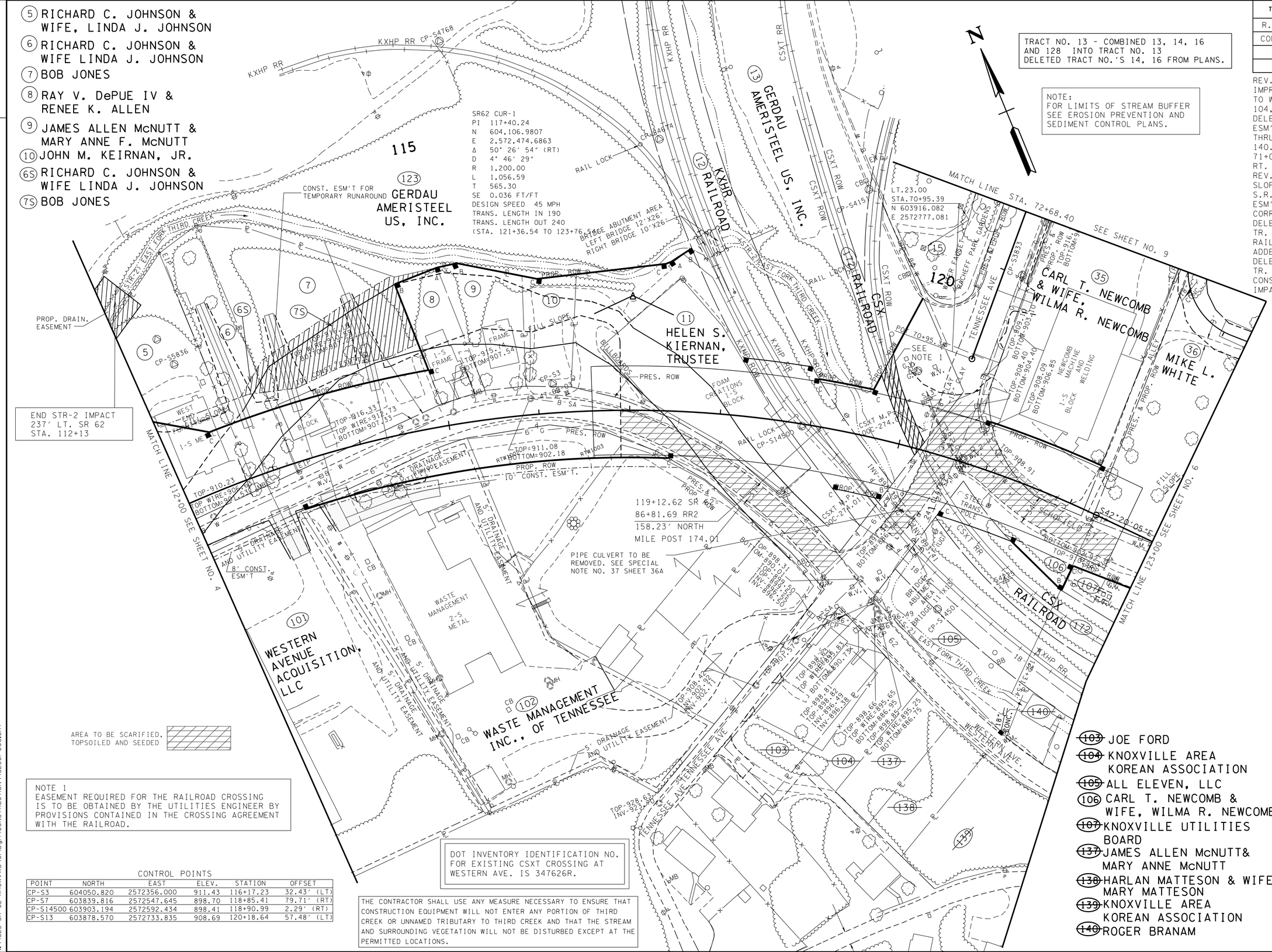
REV. 10-10-12: DELETED PROP. IMPROVEMENTS TO TENNESSEE AVE. TO WESTERN AVE. TR. NO.'S 103, 104, 105, 137, 138, 139 AND 140 DELETED PROP. ROW AND/OR SLOPE ESM'T. AND CONST. ESM'T. LINED THRU TR. NO.'S. 103 -105 AND 137 - 140. TR. NO. 35 ADDED DR. RT. STA. 71+01.62 AND DELETED PROP. R.O.W. RT. OF TENNESSEE AVE. TR. NO. 102 REV. DR. RT. OF 113+57.56 AND SLOPE AND CONST. ESM'T. RT. OF S.R. 62, DELETED SLOPE AND CONST. ESM'T. LT. OF TENNESSEE AVE. CORRECTED OWNER FOR TR. NO. 12, DELETED LINE THRU TR. NO. ADDED TR. NO. 169. REV. ESM'T. FOR RAILROAD CROSSING. TR. NO. 11 ADDED BILLBOARDS ON ROOF OF BLDG. DELETED SHED TR. NO. 8. ADDED TR. NO.'S 6S AND 7S FOR TEMP. CONST. ESM'T. ADDED END STR-2 IMPACT.

REV. 09-13-13: REV. PROPERTY LINE AND PROP. R.O.W. FOR TR. NO. 172. REMOVED PATTERN FROM TR. NO. 12 LT. AND RT. AND TR. NO. 172 RT.

(5) RICHARD C. JOHNSON & WIFE, LINDA J. JOHNSON
(6) RICHARD C. JOHNSON & WIFE LINDA J. JOHNSON
(7) BOB JONES
(8) RAY V. DePUE IV & RENEE K. ALLEN
(9) JAMES ALLEN McNUTT & MARY ANNE F. McNUTT
(10) JOHN M. KEIRNAN, JR.
(6S) RICHARD C. JOHNSON & WIFE LINDA J. JOHNSON
(7S) BOB JONES

TRACT NO. 13 - COMBINED 13, 14, 16 AND 128 INTO TRACT NO. 13
DELETED TRACT NO.'S 14, 16 FROM PLANS.

NOTE:
FOR LIMITS OF STREAM BUFFER SEE EROSION PREVENTION AND SEDIMENT CONTROL PLANS.



AREA TO BE SCARIFIED, TOPSOILED AND SEEDED

NOTE 1
EASEMENT REQUIRED FOR THE RAILROAD CROSSING IS TO BE OBTAINED BY THE UTILITIES ENGINEER BY PROVISIONS CONTAINED IN THE CROSSING AGREEMENT WITH THE RAILROAD.

DOT INVENTORY IDENTIFICATION NO. FOR EXISTING CSXT CROSSING AT WESTERN AVE. IS 347626R.

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK OR UNNAMED TRIBUTARY TO THIRD CREEK AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
CP-S3	604050.820	2572356.000	911.43	116+17.23	32.43' (LT)
CP-S7	603839.816	2572547.645	898.70	118+85.41	79.71' (RT)
CP-S14500	603903.194	2572592.434	898.41	118+90.99	2.29' (RT)
CP-S13	603878.570	2572733.835	908.69	120+18.64	57.48' (LT)

(103) JOE FORD
(104) KNOXVILLE AREA KOREAN ASSOCIATION
(105) ALL ELEVEN, LLC
(106) CARL T. NEWCOMB & WIFE, WILMA R. NEWCOMB
(107) KNOXVILLE UTILITIES BOARD
(137) JAMES ALLEN McNUTT& MARY ANNE McNUTT
(138) HARLAN MATTESON & WIFE MARY MATTESON
(139) KNOXVILLE AREA KOREAN ASSOCIATION
(140) ROGER BRANAM

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 112+00 TO STA. 123+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	HPP-62(34)	5A
CONST.	2016	HPP/STP/NH-62(34)	5A

TRACT NO. 13 - COMBINED 13, 14, 16 AND 128 INTO TRACT NO. 13 DELETED TRACT NO.'S 14, 16 FROM PLANS.

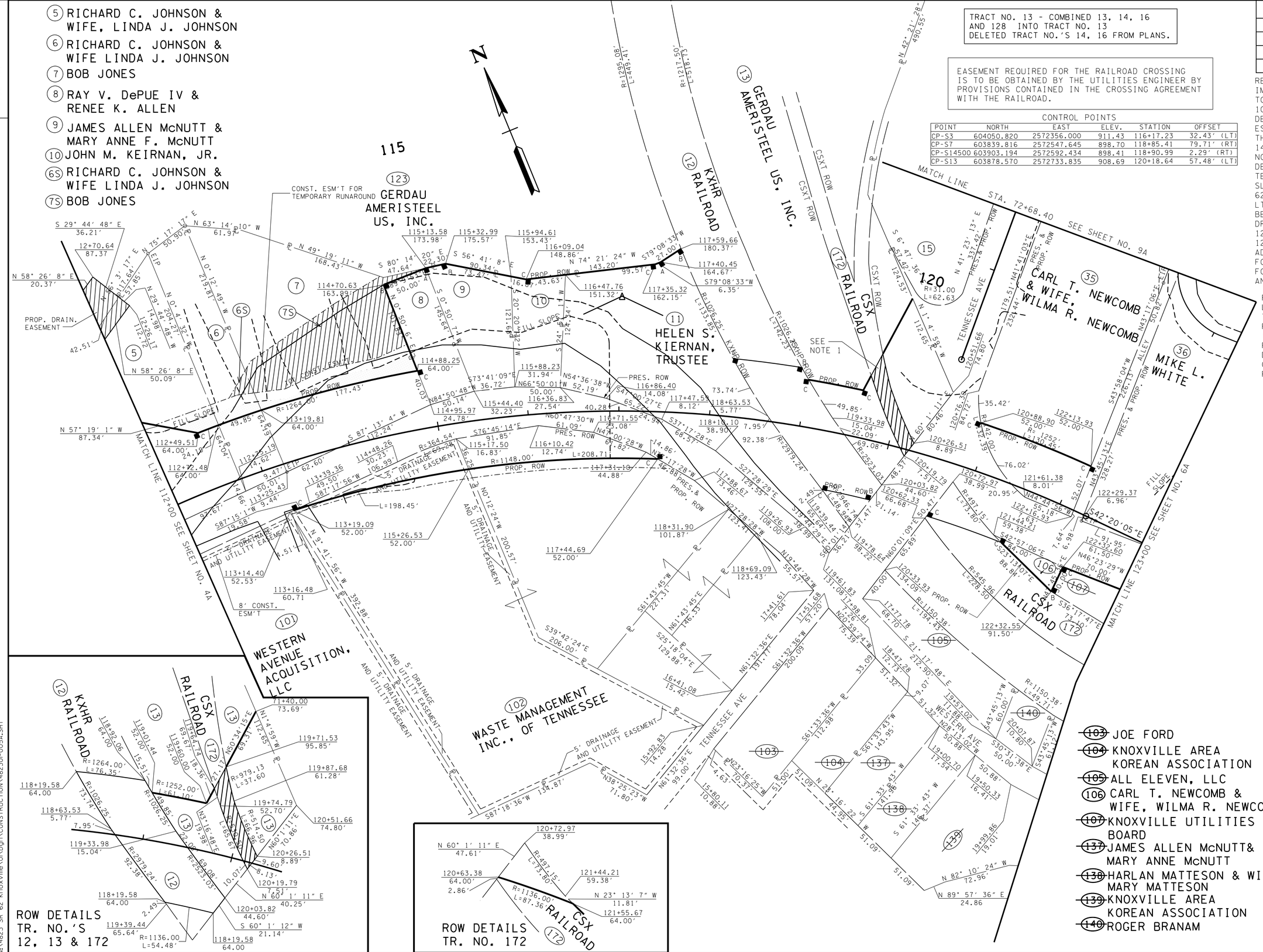
EASEMENT REQUIRED FOR THE RAILROAD CROSSING IS TO BE OBTAINED BY THE UTILITIES ENGINEER BY PROVISIONS CONTAINED IN THE CROSSING AGREEMENT WITH THE RAILROAD.

CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
CP-S3	604050.820	2572356.000	911.43	116+17.23	32.43' (LT)
CP-S7	603839.816	2572547.645	898.70	118+85.41	79.71' (RT)
CP-S14500	603903.194	2572592.434	898.41	118+90.99	2.29' (RT)
CP-S13	603878.570	2572733.835	908.69	120+18.64	57.48' (LT)

REV. 10-10-12: DELETED PROP. IMPROVEMENTS ON TENNESSE AVE. TO WESTERN AVE. TR. NO.'S 103, 104, 105, 137, 138, 139 AND 140 DELETED PROP. ROW AND/OR SLOPE ESM'T. AND CONST. ESM'T. LINED THRU TR. NO.'S. 103 -105 AND 137 - 140. DELETED ROW DETAILS FOR TR. NO.S 105 AND 140. TR. NO. 35 DELETED PROP. R.O.W. RT. OF TENNESSEE AVE. TR. NO. 102 REV. SLOPE AND CONST. ESM'T. RT. OF S.R 62, DELETED SLOPE AND CONST. ESM'T LT. OF TENNESSEE AVE. ADDED BEARINGS AND DIST. TO PROP. DRAINAGE ESM'T.FOR TR. NO.'S 5 AND 123. CORRECTED OWNER FOR TR. NO. 12, DELETED LINE THRU TR. NO. ADDED TR. NO. 169, REV. ESM'T. FOR RAILROAD CROSSING AND ROW FOR TR. NO. 13. ADDED TR. NO.'S 6S AND 7S TEMP. CONST. ESM'T.

REV. 09-13-13: REV. PROPERTY LINE AND PROP. R.O.W. FOR TR. NO. 172. REMOVED PATTERN FROM TR.NO. 172 RT. AND TR. NO. 12 LT. AND RT. REV. ROW DETAILS FOR TR. NO'S 12, 13 AND 172, DELETED LINE THRU TR. 12 AND CORRECTED TR. NO. FOR TR. 13 REV. ROW DETAIL FOR TR. NO. 12.



103 JOE FORD
104 KNOXVILLE AREA KOREAN ASSOCIATION
105 ALL ELEVEN, LLC
106 CARL T. NEWCOMB & WIFE, WILMA R. NEWCOMB
107 KNOXVILLE UTILITIES BOARD
137 JAMES ALLEN McNUTT& MARY ANNE McNUTT
138 HARLAN MATTESON & WIFE MARY MATTESON
139 KNOXVILLE AREA KOREAN ASSOCIATION
140 ROGER BRANAM

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

R.O.W. DETAILS

STA.112+00 TO STA. 123+00

SCALE: 1"= 50'

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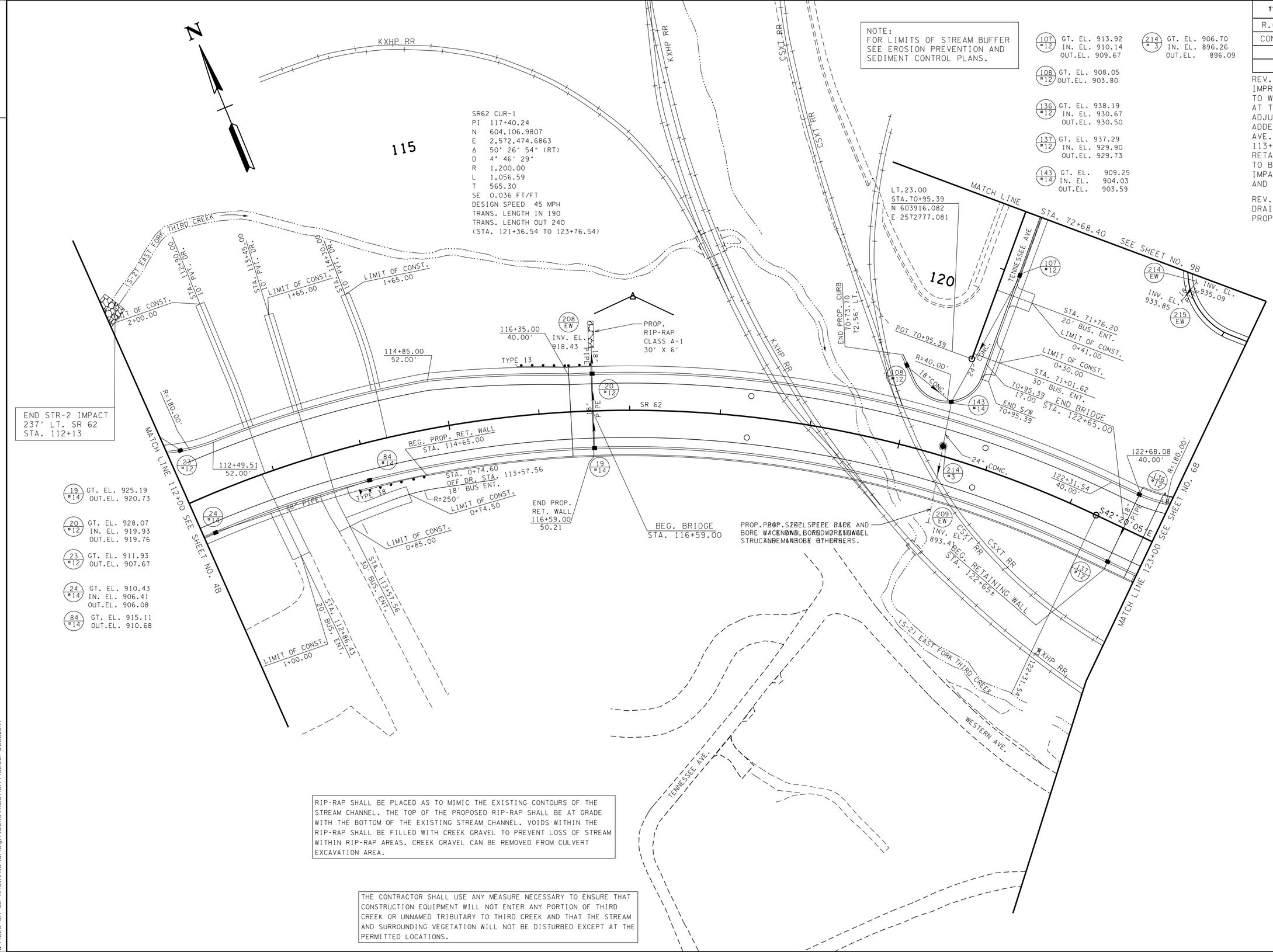
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	5B
CONST.	2016	HPP/STP/NH-62(34)	5B

REV. 10-10-12: DELETED PROP. IMPROVEMENTS TO TENNESSEE AVE. TO WESTERN AVE. REV. CUL-DE-SAC AT TENNESSEE AVE. LT. OF S.R. 62. ADJUSTED DRAINAGE ACCORDINGLY. ADDED DR. RT. 71+01.62 TENNESSEE AVE. REV. DRIVE RT. OF S.R. 62 113+57.56. ADDED GUARDRAIL AND RETAINING WALL RT. STA. 113+90± TO BRIDGE. ADDED END STR-2 IMPACT. ADDED 7S TO TR. NO. 7 AND 6S TO TR. NO. 6.

REV. 09-13-13: ADDED STORM DRAINAGE PROFILE. REVISED PROP. STORM DRAINAGE.

NOTE:
FOR LIMITS OF STREAM BUFFER SEE EROSION PREVENTION AND SEDIMENT CONTROL PLANS.



19 #14 GT. EL. 925.19 OUT.EL. 920.73

20 #12 GT. EL. 928.07 IN. EL. 919.93 OUT.EL. 919.76

23 #12 GT. EL. 911.93 OUT.EL. 907.67

24 #14 GT. EL. 910.43 IN. EL. 906.41 OUT.EL. 906.08

84 #14 GT. EL. 915.11 OUT.EL. 910.68

107 #12 GT. EL. 913.92 IN. EL. 910.14 OUT.EL. 909.67

108 #12 GT. EL. 908.05 OUT.EL. 903.80

136 #12 GT. EL. 938.19 IN. EL. 930.67 OUT.EL. 930.50

137 #12 GT. EL. 937.29 IN. EL. 929.90 OUT.EL. 929.73

143 #14 GT. EL. 909.25 IN. EL. 904.03 OUT.EL. 903.59

214 #3 GT. EL. 906.70 IN. EL. 896.26 OUT.EL. 896.09

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

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK OR UNNAMED TRIBUTARY TO THIRD CREEK AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 112+00 TO STA. 123+00

SCALE: 1"= 50′

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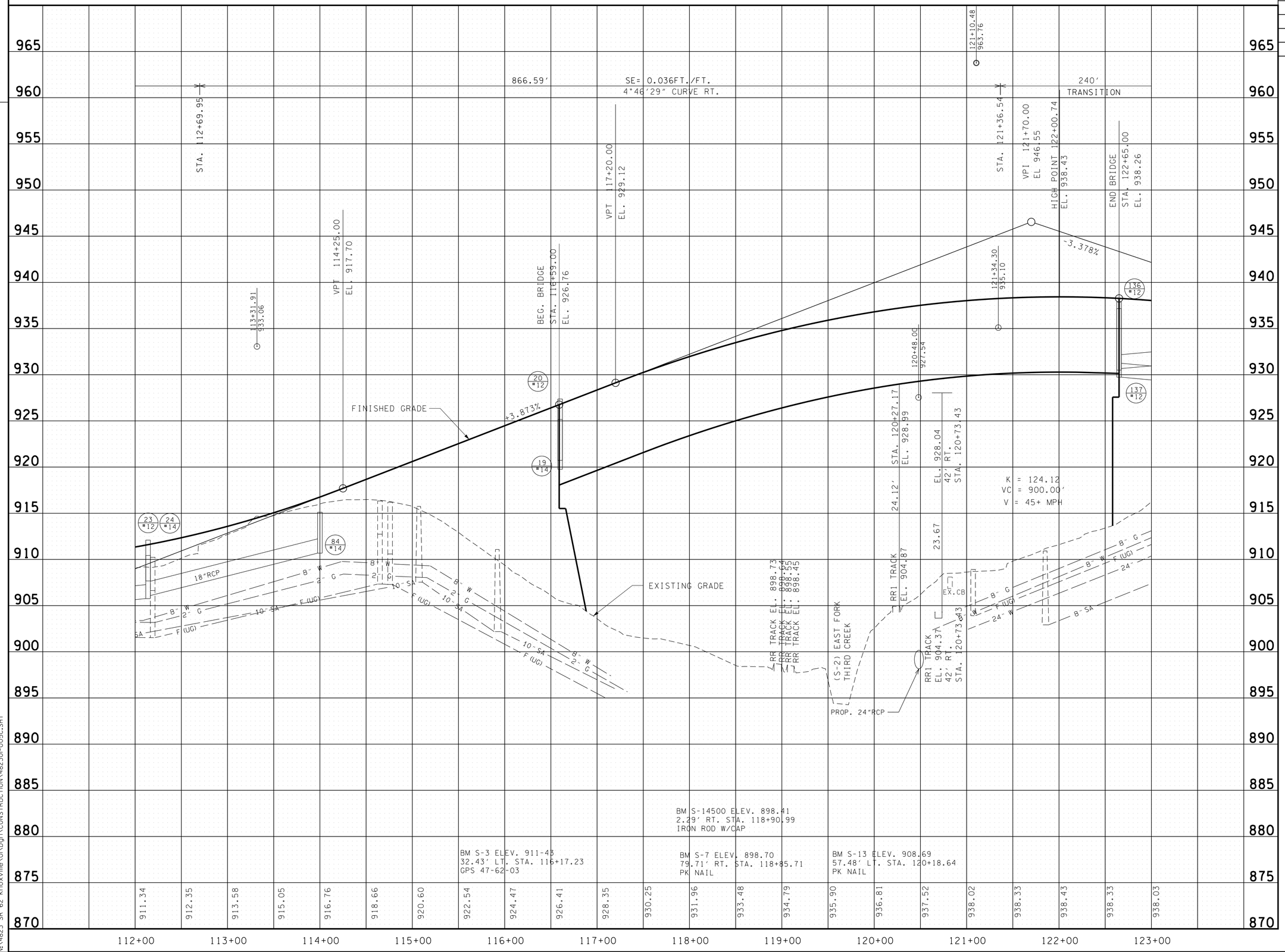
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	5C
CONST.	2016	HPP/STP/NH-62(34)	5C



CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 112+00 TO STA. 123+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

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

CONTROL POINTS

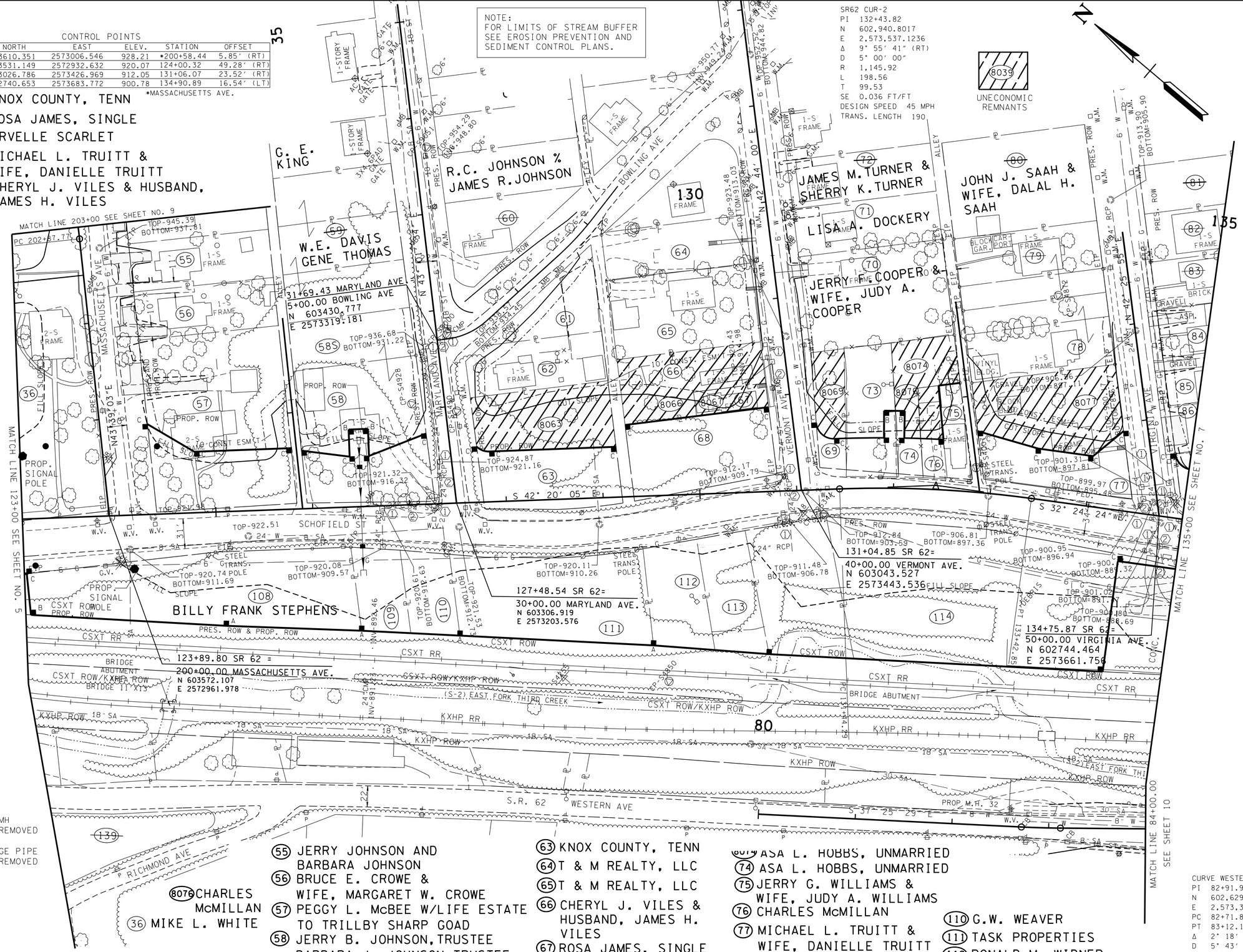
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
CP-S8	603610.351	2573006.546	928.21	*200+58.44	5.85' (RT)
CP-S16	603531.149	2572932.632	920.07	124+00.32	49.28' (RT)
CP-S18	603026.786	2573426.969	912.05	131+06.07	23.52' (RT)
CP-S19	602740.653	2573683.772	900.78	134+90.89	16.54' (LT)

*MASSACHUSETTS AVE.

(8063) KNOX COUNTY, TENN
(8067) ROSA JAMES, SINGLE
(8069) ARVELLE SCARLET
(8077) MICHAEL L. TRUITT & WIFE, DANIELLE TRUITT
(8066) CHERYL J. VILES & HUSBAND, JAMES H. VILES

NOTE:
FOR LIMITS OF STREAM BUFFER SEE EROSION PREVENTION AND SEDIMENT CONTROL PLANS.

SR62 CUR-2
PI 132+43.82
N 602,940.8017
E 2,573,537.1236
Δ 9° 55' 41" (RT)
D 5° 00' 00"
R 1,145.92
L 198.56
T 99.53
SE 0.036 FT/FT
DESIGN SPEED 45 MPH
TRANS. LENGTH 190



① CB OR MH TO BE REMOVED

② DRAINAGE PIPE TO BE REMOVED

(8076) CHARLES McMILLAN
(36) MIKE L. WHITE
(55) JERRY JOHNSON AND BARBARA JOHNSON
(56) BRUCE E. CROWE & WIFE, MARGARET W. CROWE
(57) PEGGY L. McBEE W/LIFE ESTATE TO TRILLBY SHARP GOAD
(58) JERRY B. JOHNSON, TRUSTEE BARBARA J. JOHNSON, TRUSTEE
(60) ROBERT PERRY
(61) KEITH FOSTER, SR.
(62) DANNIE SIGLER
(63) KNOX COUNTY, TENN
(64) T & M REALTY, LLC
(65) T & M REALTY, LLC
(66) CHERYL J. VILES & HUSBAND, JAMES H. VILES
(67) ROSA JAMES, SINGLE
(68) ELSIE L. HOOVER
(69) ARVELLE SCARLET
(73) ROSIE LEE HOPSON
(8074) ASA L. HOBBS, UNMARRIED
(74) ASA L. HOBBS, UNMARRIED
(75) JERRY G. WILLIAMS & WIFE, JUDY A. WILLIAMS
(76) CHARLES McMILLAN
(77) MICHAEL L. TRUITT & WIFE, DANIELLE TRUITT
(78) RICK MYERS
(79) KURT MARCOTTE
(109) CHARLENE S. GOODWIN
(110) G.W. WEAVER
(111) TASK PROPERTIES
(112) RONALD M. WIDNER, UNMARRIED
(113) ROY GURLEY, JR.
(114) CONTRACTORS SUPPLY, INC.

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK OR UNNAMED TRIBUTARY TO THIRD CREEK AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

CURVE WESTERNT3-1
PI 82+91.97
N 602,629.6533
E 2,573,336.9165
PC 82+71.80
PT 83+12.12
Δ 2° 18' 37" (LT)
D 5° 43' 46"
R 1,000.00
L 40.32
T 20.16
SE NC
DESIGN SPEED 30 MPH

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	6
CONST.	2016	HPP/STP/NH-62(34)	6

REV. 10-10-12: DELETED LINE THRU TR. NO.'S 55 AND 56. CHANGED OWNER FOR TR. NO. 55. ADDED TR. NO. 76 FROM WESTERN PORTION OF TR. NO. 75. DELETED NOTE COMBINING TR. NO.'S 76 AND 75.REV. R.O.W. AND DELETED SLOPE AND CONST. ESM'T. ON TR. NO. 75. REV. DRIVES FOR TR. NO.'S 55, 56 AND 57. CORRECTED LOCATION OF R.O.W. MARKERS ON TR. NO.'S 57, 58, 73, 74, 75 AND 77. ADDED UNECONOMIC REMNANTS NO.'S 8063, 8067, 8069 AND 8077. DELETED HOUSE TR. NO. 64.REV. ALIGN. FOR WESTERN AVE AND ADDED MATCH LINE FOR SHEET 10. REV. R.O.W. TR. NO. 68. ADDED TR. NO. 58S.

REV. 09-13-13: ADDED UNECONOMIC REMNANT NO. 8076 FOR TR. NO. 76 REV. SLOPE AND CONST. ESM'T. FOR TR. NO'S. 66 AND 67. ADDED TURNAROUND FOR PVT. DR. RT. STA. 134+75.87 AND ADJUSTED SLOPE LINES.

REV. 10-02-14: ADDED UNECONOMIC REMNANT NO. 8066 TO TR. NO. 66 AND 8074 TO TR. NO. 74.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 123+00 TO STA. 135+00

SCALE: 1"= 50'

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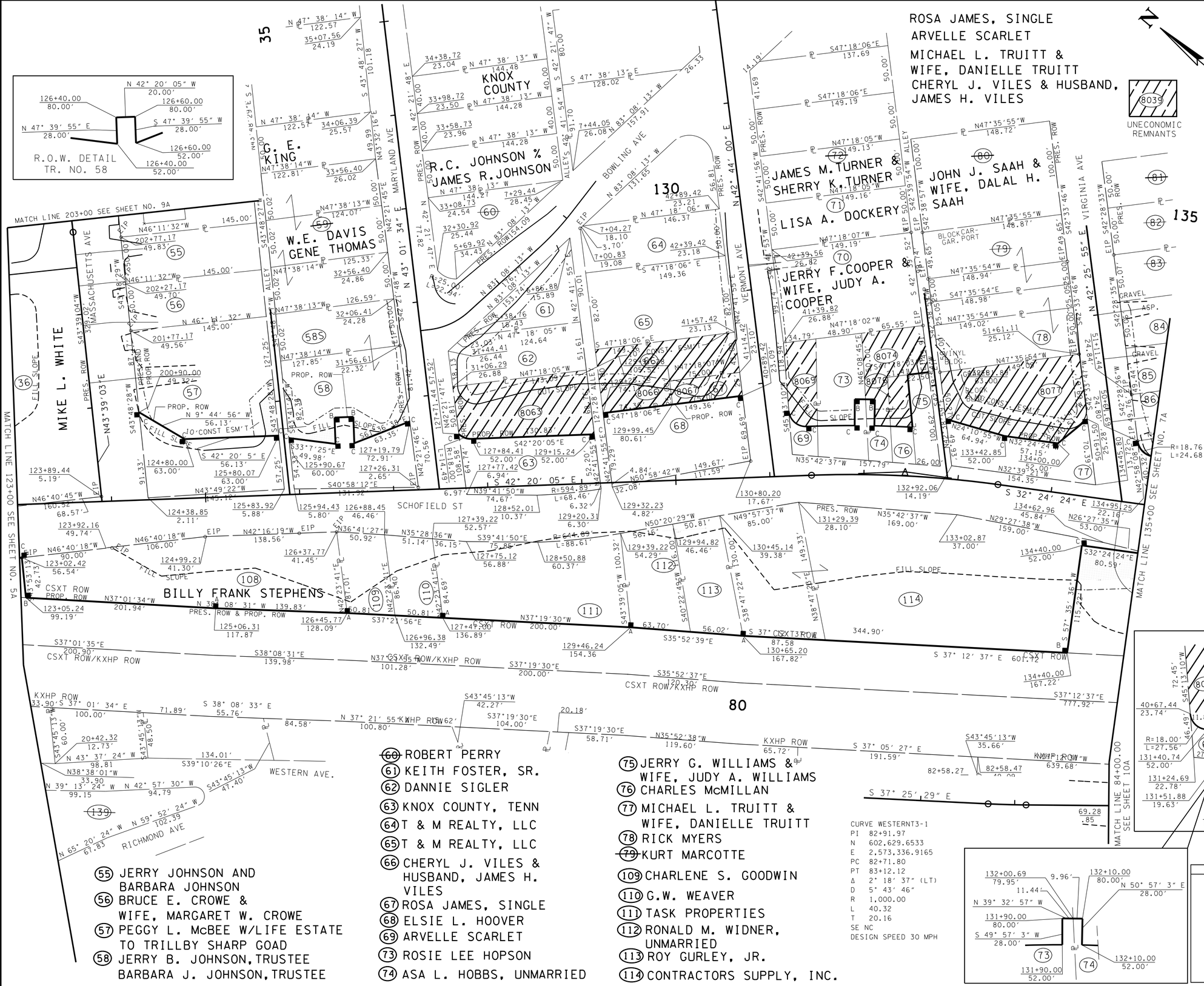
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	6A
CONST.	2016	HPP/STP/NH-62(34)	6A

REV. 10-10-12: DELETED LINE THRU TR. NO.'S 55 AND 56. CHANGED OWNER FOR TR. NO. 55. ADDED TR. NO. 76 FROM WESTERN PORTION OF TR. NO. 75. DELETED NOTE COMBINING TR. NO.'S 76 AND 75.REV. R.O.W. AND DELETED SLOPE AND CONST. ESM'T. ON TR. NO. 75. REV. ROW DETAIL ACCORDINGLY. CORRECTED BEARING ON PROP. ROW FOR TR. NO. 77 AT S.R. 62 AND VIRGINIA AVE. AND TR. NO. 58 AT S.R. 62 AND MARYLAND AVE. ADDED UNECONOMIC REMNANTS NO.'S 8063, 8067, 8069 AND 8077. DELETED HOUSE TR. NO. 64 REV. ALIGN. FOR WESTERN AVE. AND ADDED MATCH LINE FOR SHEET 10A. REV. R.O.W. TR. NO. 68. ADDED RADIUS FOR R.O.W. TR. NO. 74. ADDED TR. NO. 58S.

REV. 09-13-13: ADDED UNECONOMIC REMNANT NO. 8076 FOR TR. NO. 76. REV. SLOPE ANS CONST. ESM'T. FOR TR. NO'S. 66 AND 67.

REV. 10-02-14: ADDED UNECONOMIC REMNANT NO. 8066 TO TR. NO. 66 AND 8074 TO TR. NO. 74.



CONSTRUCTABILITY FIELD REVIEW

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

R.O.W. DETAILS

STA.123+00 TO STA. 135+00

SCALE: 1"= 50'

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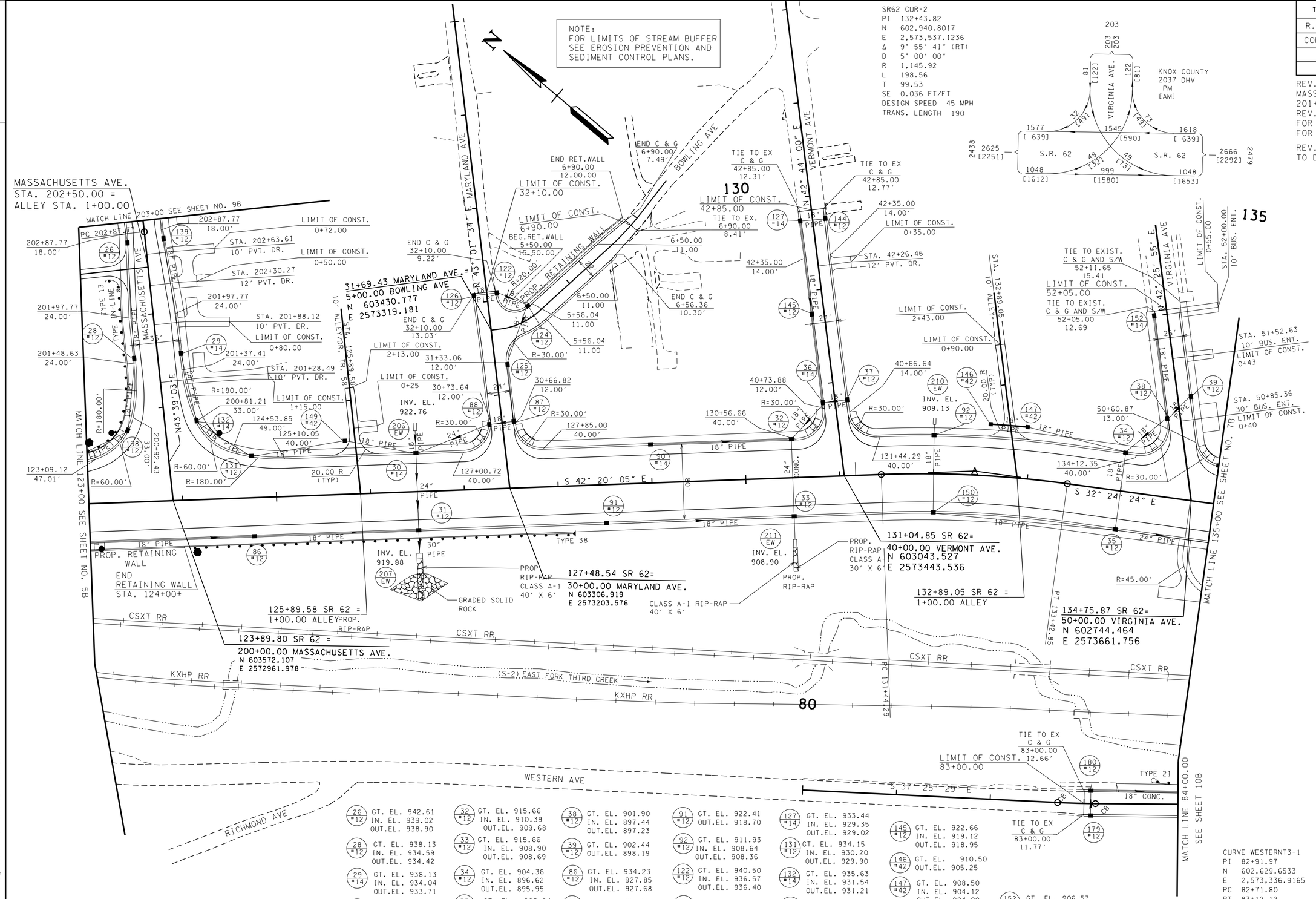
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	6B
CONST.	2016	HPP/STP/NH-62(34)	6B

REV. 10-10-12: REV. DRIVES ON MASSACHUSETTS AVE. RT. 201+28.49, 201+88.12, 202+30.27 & 202+63.61. REV. ALIGN. AND LIMIT OF CONST. FOR WESTERN AVE. ADDED MATCH LINE FOR SHEET 10B.

REV. 09-13-13: ADDED TURN AROUND TO DR. RT STA. 134+75.87.

SR62 CUR-2
PI 132+43.82
N 602,940.8017
E 2,573,537.1236
Δ 9° 55′ 41″ (RT)
D 5° 00′ 00″
R 1,145.92
L 198.56
T 99.53
SE 0.036 FT/FT
DESIGN SPEED 45 MPH
TRANS. LENGTH 190



26 #12	GT. EL. 942.61 IN. EL. 939.02 OUT.EL. 938.90	32 #12	GT. EL. 915.66 IN. EL. 910.39 OUT.EL. 909.68
28 #12	GT. EL. 938.13 IN. EL. 934.59 OUT.EL. 934.42	33 #12	GT. EL. 915.66 IN. EL. 908.90 OUT.EL. 908.69
29 #14	GT. EL. 938.13 IN. EL. 934.04 OUT.EL. 933.71	34 #12	GT. EL. 904.36 IN. EL. 896.62 OUT.EL. 895.95
30 #14	GT. EL. 929.17 IN. EL. 924.29 IN. EL. 922.14 OUT.EL. 921.81	35 #12	GT. EL. 903.84 IN. EL. 895.38 IN. EL. 894.88 OUT.EL. 894.70
31 #12	GT. EL. 929.17 IN. EL. 922.43 IN. EL. 920.89 OUT.EL. 920.03	36 #14	GT. EL. 915.29 IN. EL. 911.20 OUT.EL. 910.87
		37 #12	GT. EL. 915.29 OUT.EL. 911.58

38 #12	GT. EL. 901.90 IN. EL. 897.44 OUT.EL. 897.23	91 #12	GT. EL. 922.41 OUT.EL. 918.70
39 #12	GT. EL. 902.44 OUT.EL. 898.19	92 #12	GT. EL. 911.93 IN. EL. 908.64 OUT.EL. 908.36
86 #12	GT. EL. 934.23 IN. EL. 927.85 OUT.EL. 927.68	122 #12	GT. EL. 940.50 IN. EL. 936.57 OUT.EL. 936.40
87 #12	GT. EL. 926.60 IN. EL. 923.06 OUT.EL. 922.89	124 #12	GT. EL. 937.78 IN. EL. 934.24 OUT.EL. 934.07
88 #12	GT. EL. 926.60 IN. EL. 922.72 OUT.EL. 922.55	125 #12	GT. EL. 931.99 IN. EL. 927.91 OUT.EL. 927.74
90 #14	GT. EL. 920.72 OUT.EL. 916.42	126 #12	GT. EL. 940.45 OUT.EL. 936.74

127 #14	GT. EL. 933.44 IN. EL. 929.35 OUT.EL. 929.02	145 #12	GT. EL. 922.66 IN. EL. 919.12 OUT.EL. 918.95
131 #12	GT. EL. 934.15 IN. EL. 930.20 OUT.EL. 929.90	146 #42	GT. EL. 910.50 OUT.EL. 905.25
132 #14	GT. EL. 935.63 IN. EL. 931.54 OUT.EL. 931.21	147 #42	GT. EL. 908.50 IN. EL. 904.12 OUT.EL. 904.00
138 #12	GT. EL. 935.60 IN. EL. 931.52 OUT.EL. 931.35	149 #42	GT. EL. 929.60 IN. EL. 926.06 OUT.EL. 925.89
139 #12	GT. EL. 942.24 IN. EL. 938.70 OUT.EL. 938.53	150 #12	GT. EL. 910.46 IN. EL. 906.76 OUT.EL. 906.59
144 #12	GT. EL. 933.44 OUT.EL. 929.73		

152 #14	GT. EL. 906.57 OUT.EL. 902.15		
179 #12	GT. EL. 889.56 OUT.EL. 885.31		
180 #12	GT. EL. 889.55 IN. EL. 885.01 OUT.EL. 884.85		

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK OR UNNAMED TRIBUTARY TO THIRD CREEK AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

CURVE WESTERNT3-1
PI 82+91.97
N 602,629.6533
E 2,573,336.9165
PC 82+71.80
PT 83+12.12
Δ 2° 18′ 37″ (LT)
D 5° 43′ 46″
R 1,000.00
L 40.32
T 20.16
SE NC
DESIGN SPEED 30 MPH

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 123+00 TO STA. 135+00

SCALE: 1″= 50′

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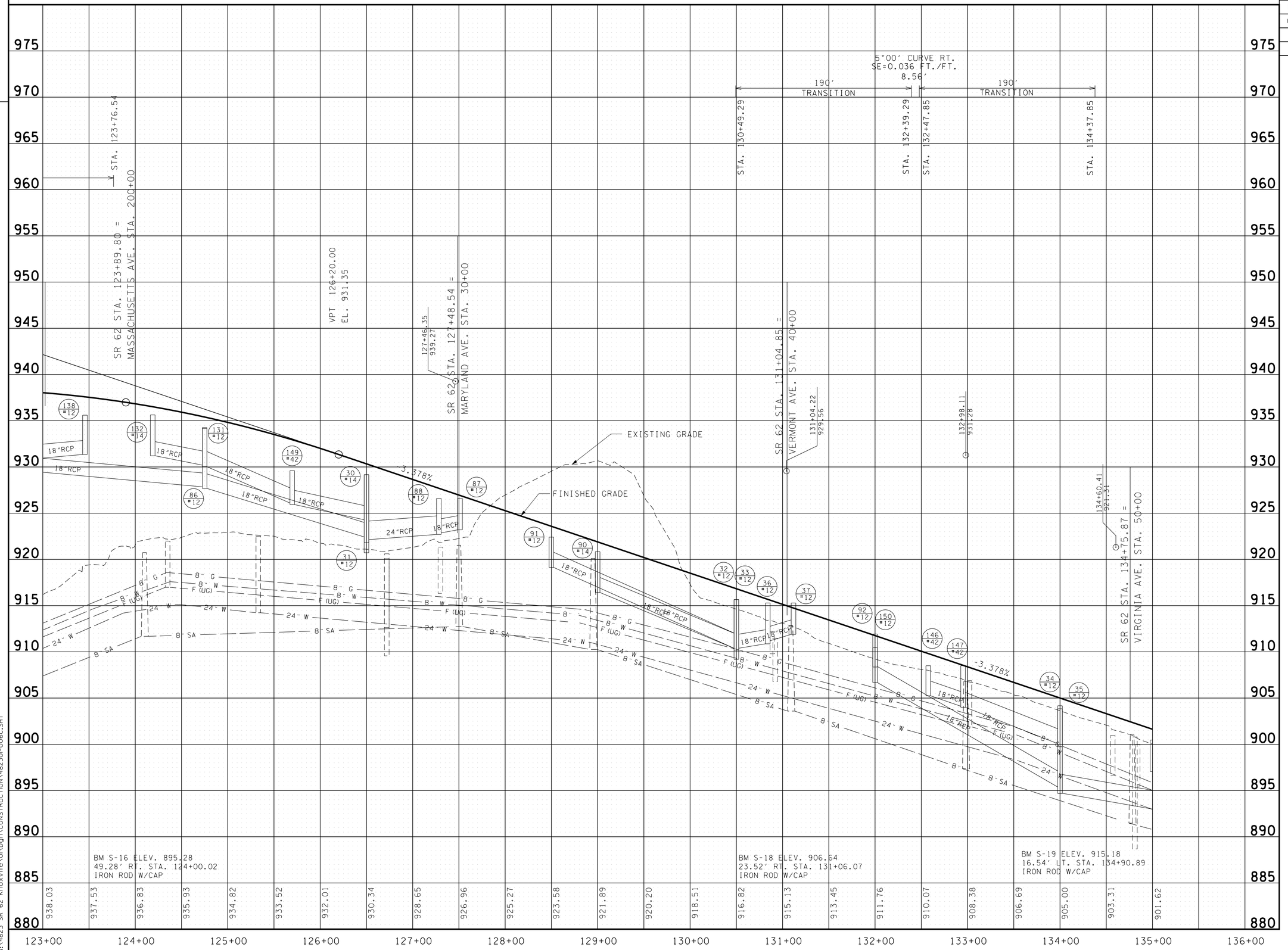
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	6C
CONST.	2016	HPP/STP/NH-62(34)	6C



CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 123+00 TO STA. 135+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

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

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK OR UNNAMED TRIBUTARY TO THIRD CREEK AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

NOTE:
FOR LIMITS OF STREAM BUFFER SEE EROSION PREVENTION AND SEDIMENT CONTROL PLANS.

AREA TO BE SCARIFIED, TOPSOILED AND SEEDED

(8090) RUSSELL ARMSTRONG & LINDA ARMSTRONG
(8096) CARL W. BALLARD& WIFE GEORGIA BALLARD
(8097) PHILIP R. IRMINGER & ELISE D. IRMINGER

CSXT DOT INVENTORY ID NO. AT WESTERN AVE. IS 347626R.

(81) KNOXVILLE HABITAT FOR HUMANITY, INC.
(82) ROY T. MONTGOMERY & WIFE, BETTY A. MONTGOMERY
(83) NIGHTOWL RENTALS, LLC
(84) BRUCE EDWARD CROWE & WIFE, MARGARET W. CROWE
(85) BRUCE CROWE & WIFE, MARGARET W. CROWE
(86) DALE THOMPSON & WIFE JILL THOMPSON
(87) DALE THOMPSON & WIFE JILL THOMPSON
(88) DALE THOMPSON & WIFE JILL THOMPSON
(89) DALE THOMPSON & WIFE JILL THOMPSON
(90) RUSSELL ARMSTRONG & WIFE LINDA G. ARMSTRONG
(91) G.E. KING, MARRIED
(92) JAMAL MURFIQ
(93) DAVID AMBURN & WIFE LORI BETH ANBURN
(94) PAUL K. LEE & WIFE, BOBBIE M. LEE
(95) ROBERT J. LEE, UNMARRIED
(96) CARL W. BALLARD & WIFE, GEORGIA BALLARD
(97) PHILIP R. IRMINGER
(118) AMY UNDERWOOD
(119) BRUCE CROWE & WIFE, MARGARET W. CROWE
(120) RONALD A. MILAM & WIFE, MELISSA D. MILAM
(121) VICKI J. HINDMAN, STEVEN HINDMAN & PEGGY PHILLIPS
(132) HENRY L. JONES & WIFE, SYLVIA JONES
(133) DORIS E. WEAVER
(134) CITY OF KNOXVILLE
(136) WAYNE A. FRENCH
(141) VALENCIA BRYANT
(142) JASON P. HODGES
(143) RONALD A. MILAM, ETUX MELISSA D. MILAM
(144) ROBERT L. PIERCY
(145) JOHN R. MCALLISTER
(146) ROBERTS J. HAWS, ETUX DORCUS I. HAWS
(167) CITY OF KNOXVILLE
(168) BOYZIE TURNER
(169) VIRGINIA K. WILSON
(170) H.C. GIBSON, ETAL C/O HELEN FRITTS
(171) FIAT SPECIALISTS INC.
(114) CONTRACTORS SUPPLY, INC

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	7
CONST.	2016	HPP/STP/NH-62(34)	7

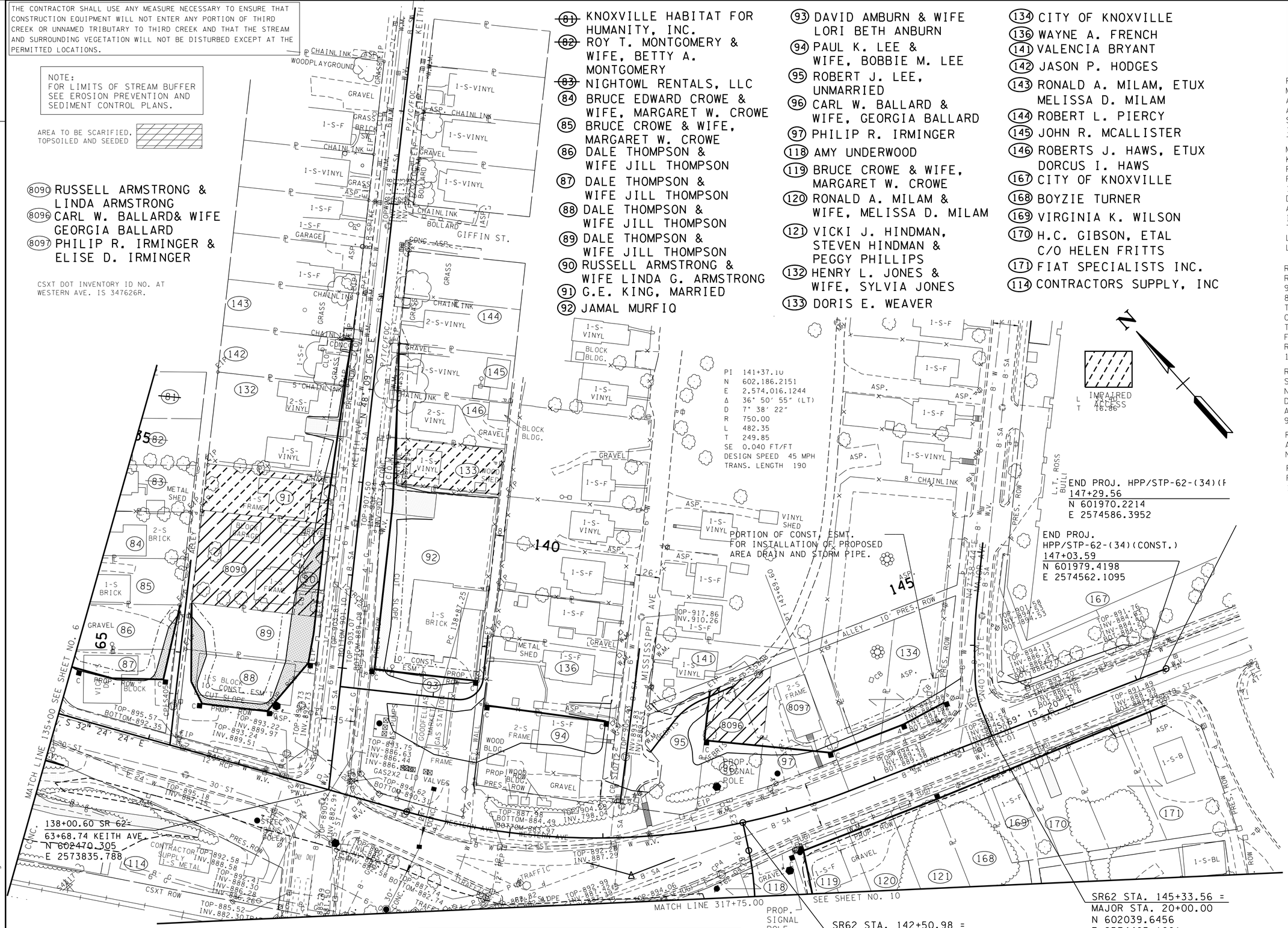
REV. 10-10-12: REVISED SHEET ADDED MATCH LINE FOR SHEET 10. ADDED ADDITIONAL SURVEY EAST ON KEITH AVE. MOVED TR. NO.'S 115 - 117 TO SHEET 10. ADDED TR. NO.'S 142-146, 167 - 171. DELETED IMPROVEMENTS TO EXIST. KEITH AVE. RT. OF SR 62. MOVED END OF PROJ. AND RELOCATED KEITH AVE. WEST RT. OF SR 62. REV. ROW, SLOPE AND/OR CONST. ESM'T. FOR TR. NO.'S 88-92, 94-97, 114, 132, 133, 134, 118-121 AND 167. DELETED DR.'S TO TR. NO. 90. 91,97 AND 133 AND CHANGED TR.'S TO IMPAIRED ACCESS. DELETED DR.'S TO TR. NO'S 118 -121. REV. PROPERTY LINE BETWEEN TR. NO.'S 96 AND 97 LOCATED MISSING HOUSE TR. NO. 132.

REV. 09-13-13: ADDED UNECONOMIC REMNANT, REV. NO. 8090 FOR TR. NO. 90, NO. 8096 FOR TR. NO. 96 AND 8097 FOR TR. NO. 97. ADDED PVT. DR. TR. NO. 146. ADDED NOTE FOR CONTRACTOR ABOUT DRIVEWAY FOR TR. NO. 91. CHANGED TR. NO. 97 FROM IMPAIRED ACCESS TO UNECONOMIC REMNANTS. ADDED PVT. DR. TR. NO. 146.

REV. 11-13-13: REV. PROP. ROW, SLOPE AND CONST. ESM'T. FOR TR. NO.'S 86, 87, 88 AND 89. DELETED DRIVE TR. NO. 92 STA. 66+27.72 AND 66+88.37, ADDED DRIVE TR. NO. 92 STA. 66+83.37.

REV. 10-02-14: DELETED PROP. ROW AND ADDED SLOPE ESM'T. FOR TR. NO. 143.

REV. 03-23-16: ADDED PROP. DRIVE FOR TR. NO. 170, RT. S.R. 62 STA. 145+75.00.



THE CONTRACTOR SHALL NOT INSTALL OR CONNECT ANY DRIVEWAY TO OR FROM TRACT 91. THE VALUE OF THE IMPAIRED ACCESS WAS CONPENSATED TO THE OWNER.

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
CP-S6	602320.483	2573607.510	880.83	*60+98.74	40.69' (LT)
CP-S20	602460.390	2573861.168	895.28	138+22.58	16.11' (LT)
CP-S4	602122.209	2574088.480	895.51	142+19.10	50.29' (RT)
CP-S5	601904.462	2574668.030	891.27	S.E. CORNER PROCTOR/SR 62	

*KEITH AVE.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 135+00 TO STA. 147+00

SCALE: 1"= 50'

5/4/2016 11:23:36 AM
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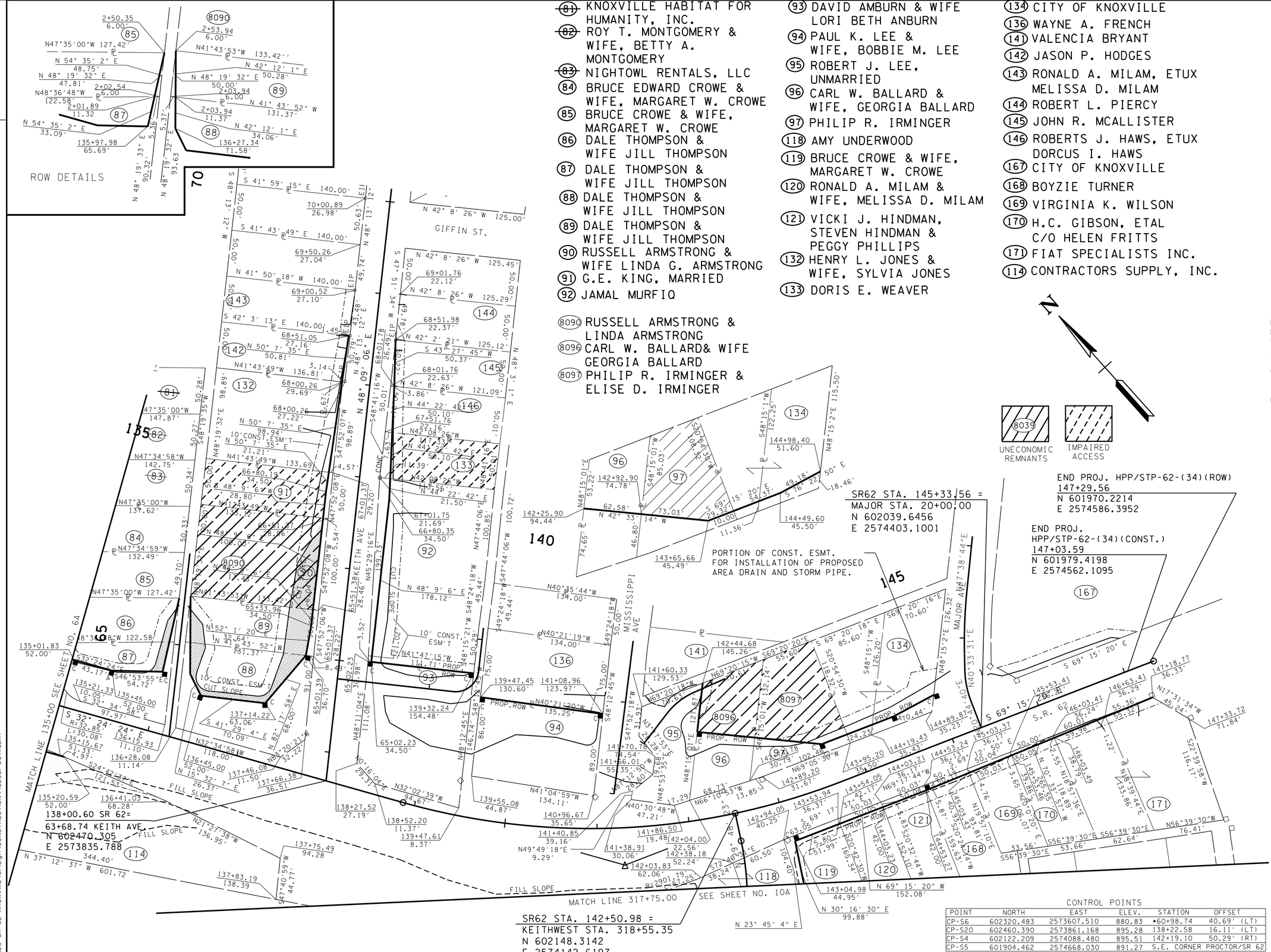
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



(81) KNOXVILLE HABITAT FOR HUMANITY, INC.
(82) ROY T. MONTGOMERY & WIFE, BETTY A. MONTGOMERY
(83) NIGHTOWL RENTALS, LLC
(84) BRUCE EDWARD CROWE & WIFE, MARGARET W. CROWE
(85) BRUCE CROWE & WIFE, MARGARET W. CROWE
(86) DALE THOMPSON & WIFE JILL THOMPSON
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(88) DALE THOMPSON & WIFE JILL THOMPSON
(89) DALE THOMPSON & WIFE JILL THOMPSON
(90) RUSSELL ARMSTRONG & WIFE LINDA G. ARMSTRONG
(91) G.E. KING, MARRIED
(92) JAMAL MURFIQ

(8090) RUSSELL ARMSTRONG & LINDA ARMSTRONG
(8096) CARL W. BALLARD& WIFE GEORGIA BALLARD
(8097) PHILIP R. IRMINGER & ELISE D. IRMINGER

(93) DAVID AMBURN & WIFE LORI BETH ANBURN
(94) PAUL K. LEE & WIFE, BOBBIE M. LEE
(95) ROBERT J. LEE, UNMARRIED
(96) CARL W. BALLARD & WIFE, GEORGIA BALLARD
(97) PHILIP R. IRMINGER
(118) AMY UNDERWOOD
(119) BRUCE CROWE & WIFE, MARGARET W. CROWE
(120) RONALD A. MILAM & WIFE, MELISSA D. MILAM
(121) VICKI J. HINDMAN, STEVEN HINDMAN & PEGGY PHILLIPS
(132) HENRY L. JONES & WIFE, SYLVIA JONES
(133) DORIS E. WEAVER

(134) CITY OF KNOXVILLE
(136) WAYNE A. FRENCH
(141) VALENCIA BRYANT
(142) JASON P. HODGES
(143) RONALD A. MILAM, ETUX MELISSA D. MILAM
(144) ROBERT L. PIERCY
(145) JOHN R. MCALLISTER
(146) ROBERTS J. HAWS, ETUX DORCUS I. HAWS
(167) CITY OF KNOXVILLE
(168) BOYZIE TURNER
(169) VIRGINIA K. WILSON
(170) H.C. GIBSON, ETAL C/O HELEN FRITTS
(171) FIAT SPECIALISTS INC.
(114) CONTRACTORS SUPPLY, INC.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	7A
CONST.	2016	HPP/STP/NH-62(34)	7A

REV. 10-10-12: REVISED SHEET ADDED MATCH LINE FOR SHEET 10A. ADDED STA.& OFFSETS LT. OF S.R.62 AT 135+45.00,136+07.46, 136+45.00 AND 139+32.24. ADDED ADDITIONAL SURVEY EAST ON KEITH AVE. MOVED TR. NO.'S 115 - 117 TO SHEET 10A. ADDED TR. NO.'S 142-146, 167 - 171. DELETED IMPROVEMENTS TO EXIST. KEITH AVE. RT. OF SR 62. MOVED END OF PROJ. AND RELOCATED KEITH AVE. WEST RT. OF SR 62. REV. ROW, SLOPE AND/OR CONST. ESM'T. FOR TR. NO.'S 88-92, 94-97, 114, 132, 133, 134, 118-121 AND 167. DELETED DR. TO TR. NO.'S 90, 91, 133 AND 97 CHANGED TR. TO IMPAIRED ACCESS. ADDED STA. AND OFFSETS MISSING ON R.O.W. FOR TR. NO.'S 87 AND 88. DELETED DR.S TO TR. NO'S 118 -121. REV. PROPERTY LINE BETWEEN TR. NO.'S 96 AND 97 LOCATED MISSING HOUSE TR. NO. 132. ADDED OWNER NAME FOR TR. NO. 114.

REV. 09-13-13: ADDED UNECONOMIC REMNANT, REV. NO. 8090 FOR TR. NO. 90, NO. 8096 FOR TR. NO. 96 AND 8097 FOR TR. NO. 97. ADDED PVT. DR. TR. NO. 146. ADDED NOTE FOR CONTRACTOR ABOUT DRIVEWAY FOR TR. NO. 91.CHANGED TR. NO. 97 FROM IMPAIRED ACCESS TO UNECONOMIC REMNANTS.

REV. 11-13-13: REV. PROP. ROW, SLOPE AND CONST. ESM'T. FOR TR. NO.'S 86, 87, 88 AND 89 AND ADDED DETAIL.

REV. 02-03-14: DELETED PROP. ROW AND ADDED SLOPE ESM'T. FOR TR. NO. 143.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

R.O.W. DETAILS

STA.135+00 TO STA. 147+00

SCALE: 1"= 50'

CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
CP-S6	602320.483	2573607.510	880.83	*60+98.74	40.69' (LT)
CP-S20	602460.390	2573861.168	895.28	138+22.58	16.11' (LT)
CP-S4	602122.209	2574088.480	895.51	142+19.10	50.29' (RT)
CP-S5	601904.462	2574668.030	891.27	S.E. CORNER PROCTOR/SR 62	

*KEITH AVE.

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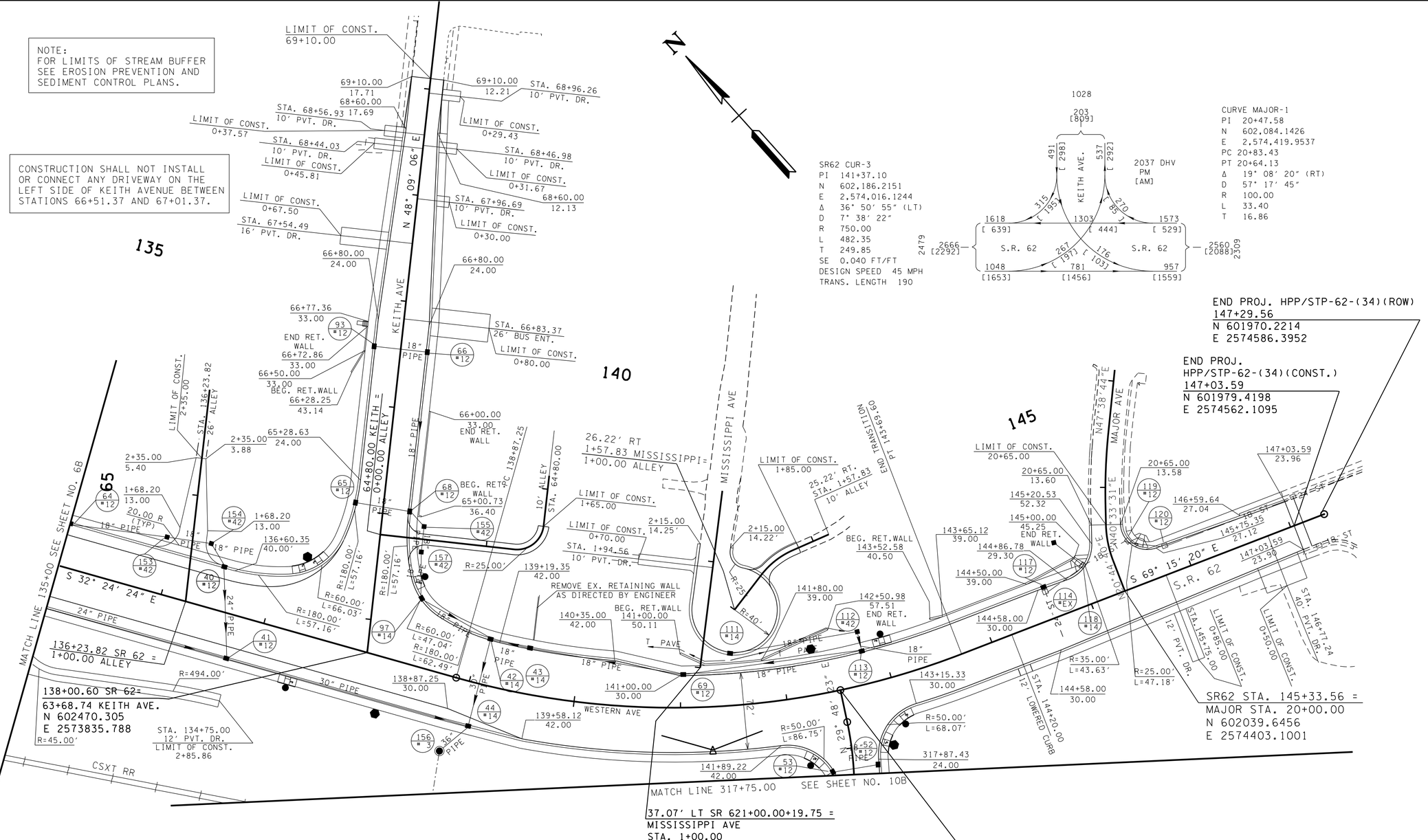
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	7B
CONST.	2016	HPP/STP/NH-62(34)	7B

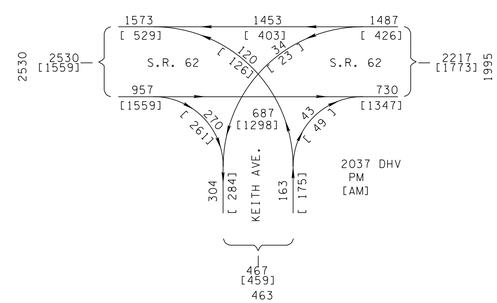
NOTE:
FOR LIMITS OF STREAM BUFFER SEE EROSION PREVENTION AND SEDIMENT CONTROL PLANS.

CONSTRUCTION SHALL NOT INSTALL OR CONNECT ANY DRIVEWAY ON THE LEFT SIDE OF KEITH AVENUE BETWEEN STATIONS 66+51.37 AND 67+01.37.



SR62 CUR-3
PI 141+37.10
N 602,186.2151
E 2,574,016.1244
Δ 36° 50' 55" (LT)
D 7° 38' 22"
R 750.00
L 482.35
T 249.85
SE 0.040 FT/FT
DESIGN SPEED 45 MPH
TRANS. LENGTH 190

CURVE MAJOR-1
PI 20+47.58
N 602,084.1426
E 2,574,419.9537
PC 20+83.43
PT 20+64.13
Δ 19° 08' 20" (RT)
D 57° 17' 45"
R 100.00
L 33.40
T 16.86



64 #12	GT. EL. 900.46 OUT.EL. 896.25	66 #12	GT. EL. 904.54 IN. EL. 900.37 OUT.EL. 900.25
153 #42	GT. EL. 897.30 IN. EL. 893.42 OUT.EL. 893.30	68 #12	GT. EL. 895.15 IN. EL. 891.02 OUT.EL. 890.90
154 #42	GT. EL. 897.00 IN. EL. 893.12 OUT.EL. 893.00	155 #42	GT. EL. 894.80 IN. EL. 890.70 OUT.EL. 890.53
40 #12	GT. EL. 895.68 IN. EL. 891.43 OUT.EL. 890.93	157 #42	GT. EL. 894.00 IN. EL. 890.05 OUT.EL. 889.88
65 #12	GT. EL. 895.25 OUT.EL. 891.54	97 #14	GT. EL. 892.78 IN. EL. 888.42 OUT.EL. 888.09
93 #12	GT. EL. 904.54 OUT.EL. 900.83		

111 #14	GT. EL. 905.77 OUT.EL. 901.35	41 #12	GT. EL. 895.05 IN. EL. 889.97 IN. EL. 889.97 OUT.EL. 889.30
112 #42	GT. EL. 895.20 IN. EL. 893.41 OUT.EL. 892.00	42 #14	GT. EL. 892.43 IN. EL. 887.35 IN. EL. 887.00 OUT.EL. 886.00
113 #12	GT. EL. 894.81 IN. EL. 891.27 OUT.EL. 891.10	44 #14	GT. EL. 893.95 IN. EL. 885.00 IN. EL. 884.00 OUT.EL. 878.25
69 #12	GT. EL. 893.65 IN. EL. 888.86 OUT.EL. 888.74	156 #42	GT. EL. 889.80 IN. EL. 876.40 OUT.EL. 876.23
114 #12	CAP EX. CB		
43 EX	GT. EL. 892.11 IN. EL. 888.02 OUT.EL. 887.69		

52 #12	GT. EL. 898.75 OUT.EL. 895.04		
53 #12	GT. EL. 899.12 IN. EL. 894.62 OUT.EL. 894.45		
117 #12	GT. EL. 894.08 OUT.EL. 889.45		
118 #12	GT. EL. 893.98 ADJUST EX. CB		
119 #12	GT. EL. 894.13 ADJUST EX. CB		
120 #12	GT. EL. 892.94 ADJUST EX. CB		

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK OR UNNAMED TRIBUTARY TO THIRD CREEK AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

REV. 10-10-12: REVISED SHEET ADDED MATCH LINE FOR SHEET 10B. ADDED ADDITIONAL SURVEY EAST ON KEITH AVE. DELETED IMPROVEMENTS TO EXIST. KEITH AVE. RT. OF SR 62. MOVED END OF PROJ. AND LIMIT OF CONST. ON KEITH AVE. REV. PROP. SR 62 FROM KEITH AVE. TO END OF PROJECT. RELOCATED KEITH AVE. WEST RT. OF SR 62. REV. AND ADDED RETAINING WALL LT. SR 62. ADDED RETAINING WALL LT. AND RT. KEITH AVE. DELETED DR.S RT. S.R. 62 STA. 140+83.58 TO 144+16.61 AND LT. KEITH AVE. STA. 66+40.99, 66+96.13 AND RT. STA. 67+08.20. ADDED DR. RT. SR 62 STA. 146+77.24.

REV. 09-13-13: ADDED STORM DRAINAGE PROFILE. REVISED PROP. STORM DRAINAGE. ADDED LOWERED CURB RT. STA. 144+20.00. DELETED STEPS LT. STA. 143+50±. ADDED PVT. RT. STA. 67+96.69 KEITH AVE.

REV. 11-13-13: REV. PROP. RET. WALL LT. OF KEITH AVE. AND ALLEY LT. OF SR 62 STA. 136+23.82. REV. PROP. STORM DRAINAGE. DELETED PVT. DR.'S RT. KEITH AVE. STA. 66+25.73 AND 66+88.37 AND ADDED PVT. DR. RT. STA. 66+83.37.

REV. 10-02-14: ADDED NOTE ABOUT DRIVEWAYS LT. OF KEITH AVE.

REV. 03-23-16: ADDED PROP. DRIVE FOR TR. NO. 170, RT. S.R. 62 STA. 145+75.00.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 135+00 TO STA. 147+00

SCALE: 1"= 50'

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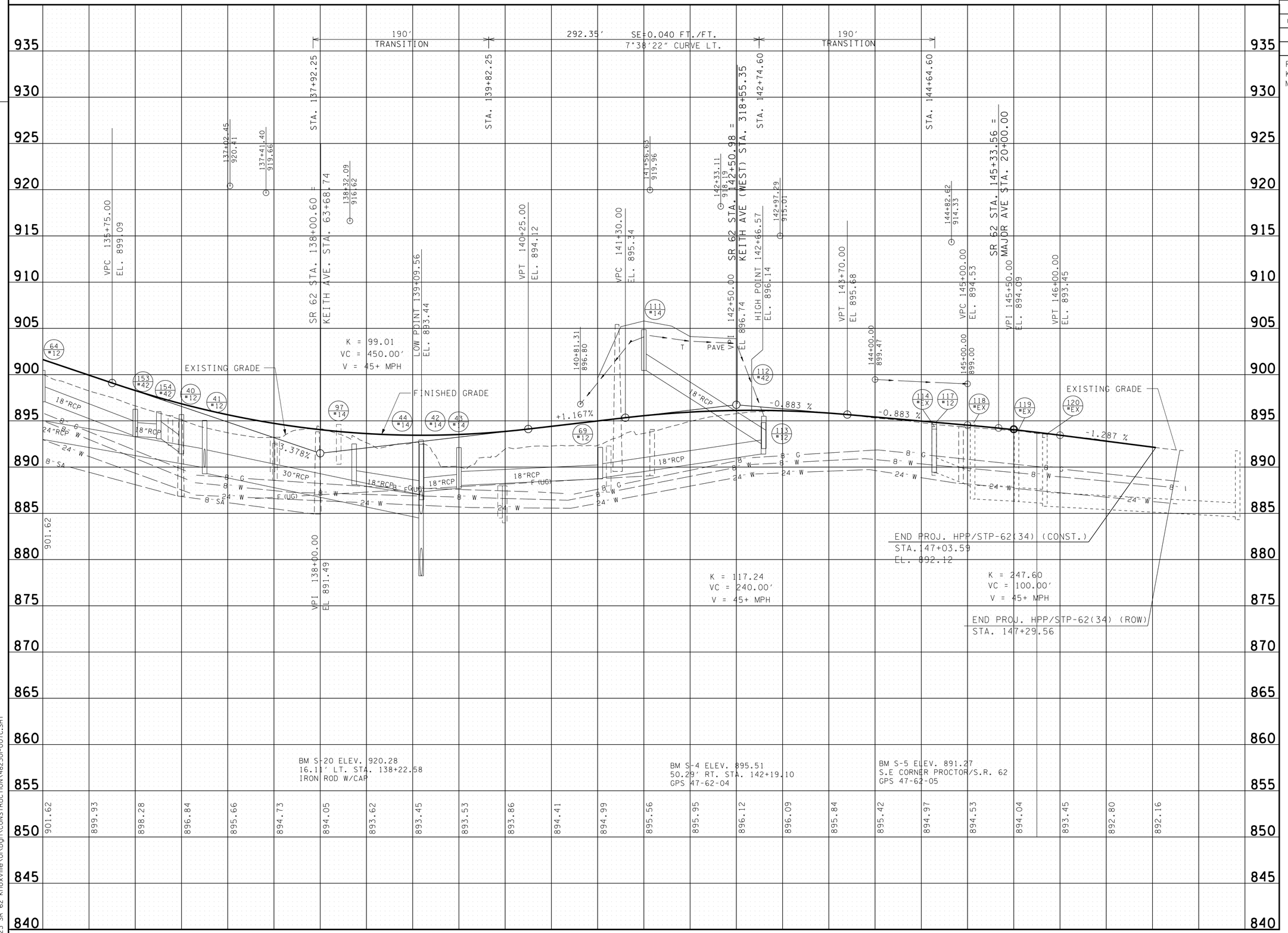
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	7C
CONST.	2016	HPP/STP/NH-62(34)	7C

REV. 10-10-12: ADDED STA. FOR KEITH AVE. WEST RT. OF SR 62. MOVED END OF PROJ.



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 135+00 TO STA. 147+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

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

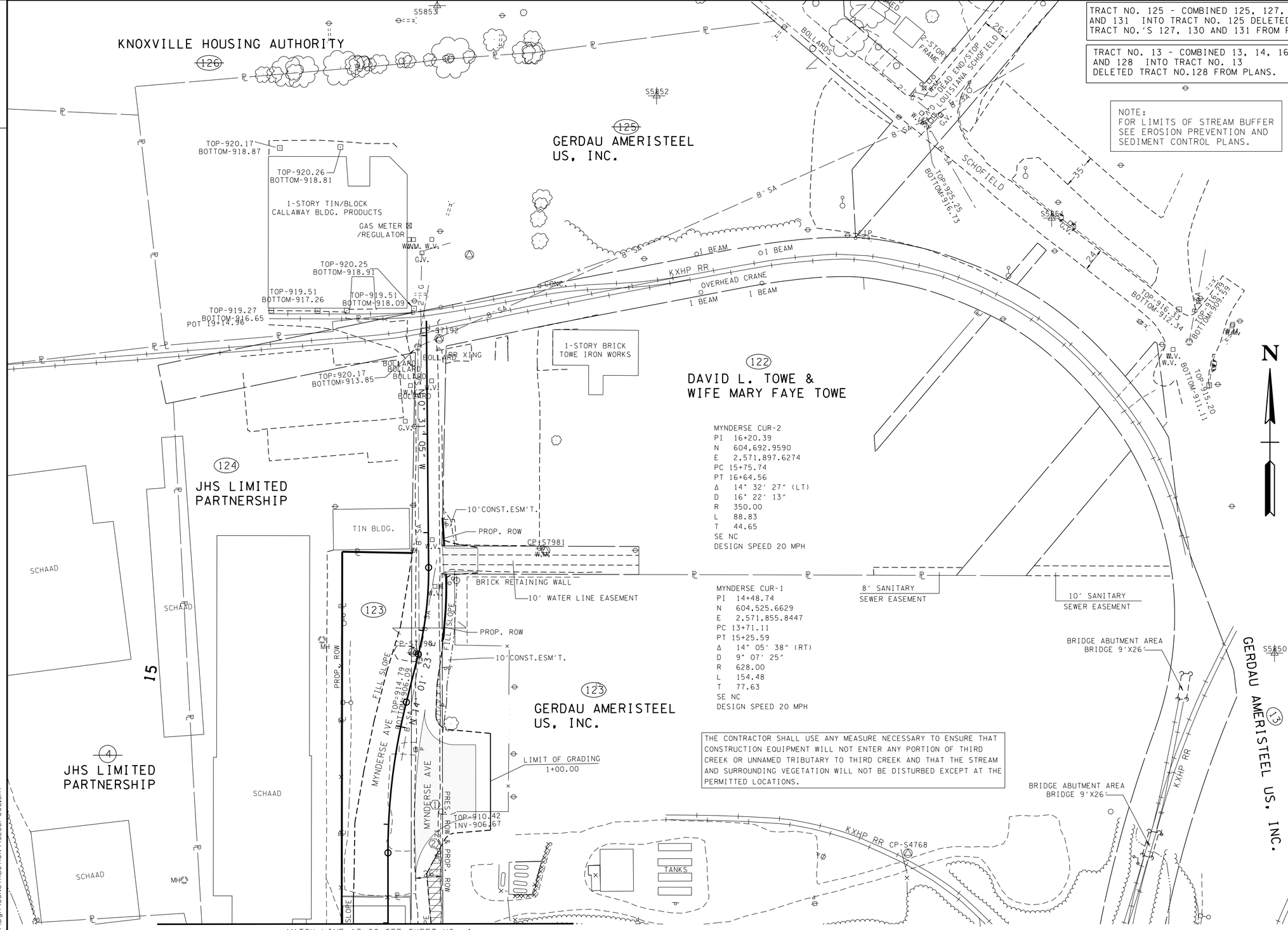
TRACT NO. 125 - COMBINED 125, 127, 130 AND 131 INTO TRACT NO. 125 DELETED TRACT NO.'S 127, 130 AND 131 FROM PLANS.

TRACT NO. 13 - COMBINED 13, 14, 16 AND 128 INTO TRACT NO. 13 DELETED TRACT NO.128 FROM PLANS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	8
CONST.	2016	HPP/STP/NH-62(34)	8

REV. 10-10-12: DELETED CONST. ESM'T. ON TR. NO. 124. ADDED LAND HOOK FOR TR. NO. 123.

NOTE:
FOR LIMITS OF STREAM BUFFER SEE EROSION PREVENTION AND SEDIMENT CONTROL PLANS.



MYNDERSE CUR-2
PI 16+20.39
N 604,692.9590
E 2,571,897.6274
PC 15+75.74
PT 16+64.56
Δ 14° 32' 27" (LT)
D 16° 22' 13"
R 350.00
L 88.83
T 44.65
SE NC
DESIGN SPEED 20 MPH

MYNDERSE CUR-1
PI 14+48.74
N 604,525.6629
E 2,571,855.8447
PC 13+71.11
PT 15+25.59
Δ 14° 05' 38" (RT)
D 9° 07' 25"
R 628.00
L 154.48
T 77.63
SE NC
DESIGN SPEED 20 MPH

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK OR UNNAMED TRIBUTARY TO THIRD CREEK AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

MATCH LINE 13+00 SEE SHEET NO. 4

① CB OR MH TO BE REMOVED
② DRAINAGE PIPE TO BE REMOVED

AREA TO BE SCARIFIED, TOPSOILED AND SEEDED

CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
CP-S7193	604651.879	2571881.433	915.18	15+76.63	5.76' (LT)
CP-S7192	604969.717	2571907.971	920.28	18+96.56	12.84' (RT)

CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 0.99995 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

MYNDERSE AVE.

SCALE: 1"= 50'

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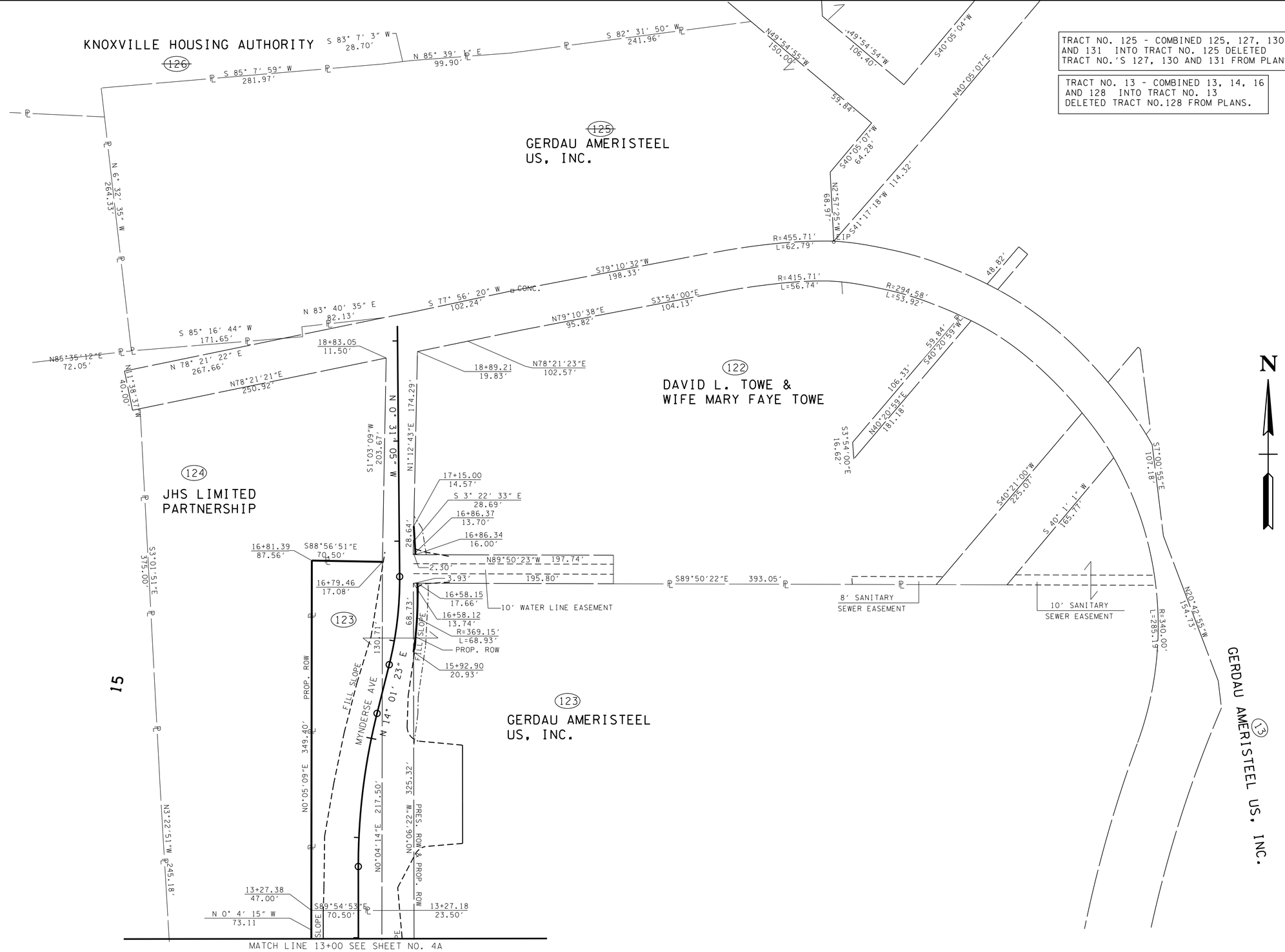
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	8A
CONST.	2016	HPP/STP/NH-62(34)	8A

REV. 10-10-12: DELETED CONST. ESM'T. ON TR. NO. 124 AND CORRECTED BEARING AND DIST. ON PROP. R.O.W. LT. MYNDERSE AVE. 13+00±. ADDED LAND HOOK FOR TR. NO. 123.

TRACT NO. 125 - COMBINED 125, 127, 130 AND 131 INTO TRACT NO. 125 DELETED TRACT NO.'S 127, 130 AND 131 FROM PLANS.

TRACT NO. 13 - COMBINED 13, 14, 16 AND 128 INTO TRACT NO. 13 DELETED TRACT NO.128 FROM PLANS.



CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
CP-S7193	604651.879	2571881.433	915.18	15+76.63	5.76' (LT)
CP-S7192	604969.717	2571907.971	920.28	18+96.56	12.84' (RT)

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

R.O.W. DETAILS

MYNDERSE AVE.

SCALE: 1"= 50'

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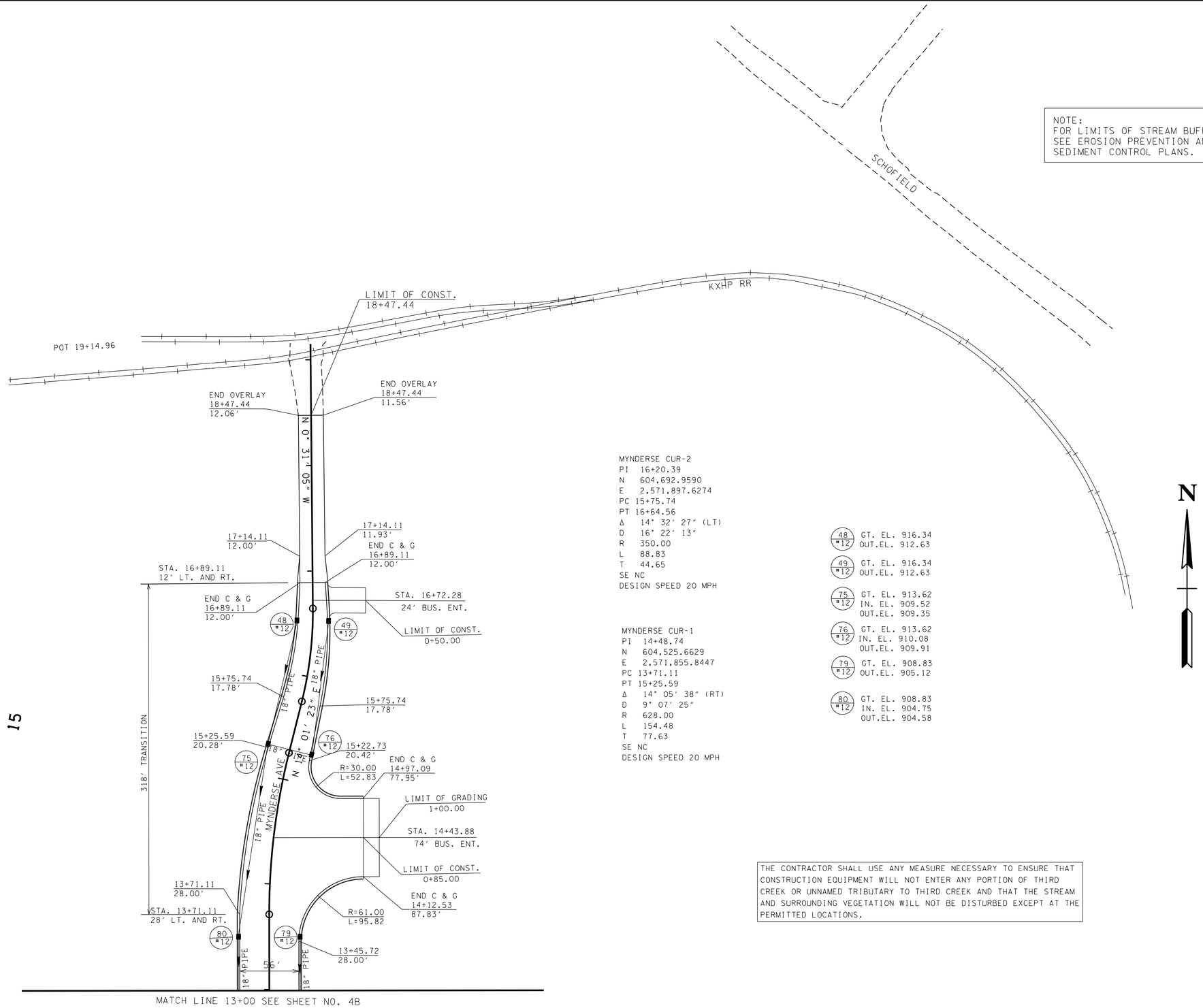
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	8B
CONST.	2016	HPP/STP/NH-62(34)	8B

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

NOTE:
FOR LIMITS OF STREAM BUFFER SEE EROSION PREVENTION AND SEDIMENT CONTROL PLANS.



MYNDERSE CUR-2
PI 16+20.39
N 604,692.9590
E 2,571,897.6274
PC 15+75.74
PT 16+64.56
Δ 14° 32' 27" (LT)
D 16° 22' 13"
R 350.00
L 88.83
T 44.65
SE NC
DESIGN SPEED 20 MPH

MYNDERSE CUR-1
PI 14+48.74
N 604,525.6629
E 2,571,855.8447
PC 13+71.11
PT 15+25.59
Δ 14° 05' 38" (RT)
D 9° 07' 25"
R 628.00
L 154.48
T 77.63
SE NC
DESIGN SPEED 20 MPH

48 #12 GT. EL. 916.34
OUT.EL. 912.63

49 #12 GT. EL. 916.34
OUT.EL. 912.63

75 #12 GT. EL. 913.62
IN. EL. 909.52
OUT.EL. 909.35

76 #12 GT. EL. 913.62
IN. EL. 910.08
OUT.EL. 909.91

79 #12 GT. EL. 908.83
OUT.EL. 905.12

80 #12 GT. EL. 908.83
IN. EL. 904.75
OUT.EL. 904.58

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK OR UNNAMED TRIBUTARY TO THIRD CREEK AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

MYNDERSE AVE.

SCALE: 1"= 50'

15

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

(17) RICHARD L. ROTH, JR.
(18) RONALD N. SHERRILL & MICHAEL L. ALLEN
(19) RUSSELL ARMSTRONG & WIFE, LINDA ARMSTRONG
(20) RUSSELL ARMSTRONG & WIFE, LINDA ARMSTRONG
(21) SANDRA K. CLINE, WIDOW
(22) WALTER HOBSON WARREN, JR.
(23) WALTER HOBSON WARREN, JR.
(24) SHIRLEY A. SMITH
(25) W.T. BRADSHAW & WIFE, OPAL BRADSHAW
(26) EARL COLLINS
(27) HENRY WRANCHER
(28) CHRISTOPHER A. CLAPP & WIFE, AUDREY SUE CLAPP
(29) PAUL KEITH GIBSON
(33) RUBY JOHNSON
(34) DONNA KAY CLANTON & CHARLES MURPHY
(35) CARL T. NEWCOMB & WIFE WILMA R. NEWCOMB
(36) MICHAEL L. WHITE
(37) MILDRED MELISSA POTTER HIPSHER
(39) LORENE TINDELL & HUSBAND, WALTER TINDELL
(40) ARNOLD E. POTTER & WIFE, MARY POTTER
(41) TONY J. SHIRK
(42) ROBERT EARL DAVIS
(43) FRED E. JACKSON
(49) SHIRLEY CLEVENGER
(50) SIDNEY RENERT
(51) ROBERT WEMYESS MONDAY
(52) CLARENCE I. BRYANT & WIFE, SHIRLEY MAE BRYANT
(53) ANGIE D. OLLIS
(54) FOY BOWLES & JIM HURT
(54A) LYNN BROWN
(54B) LYNN BROWN
(135) OPAL DIANE HYDER & L. JACQUELYN BEAVERS W/LIFE ESTATE OF ROBERTA FARRIS
(8039) LORENE TINDELL & HUSBAND, WALTER TINDELL
(8040) ARNOLD E. POTTER & WIFE, MARY POTTER

AREA TO BE SCARIFIED, TOPSOILED AND SEEDED

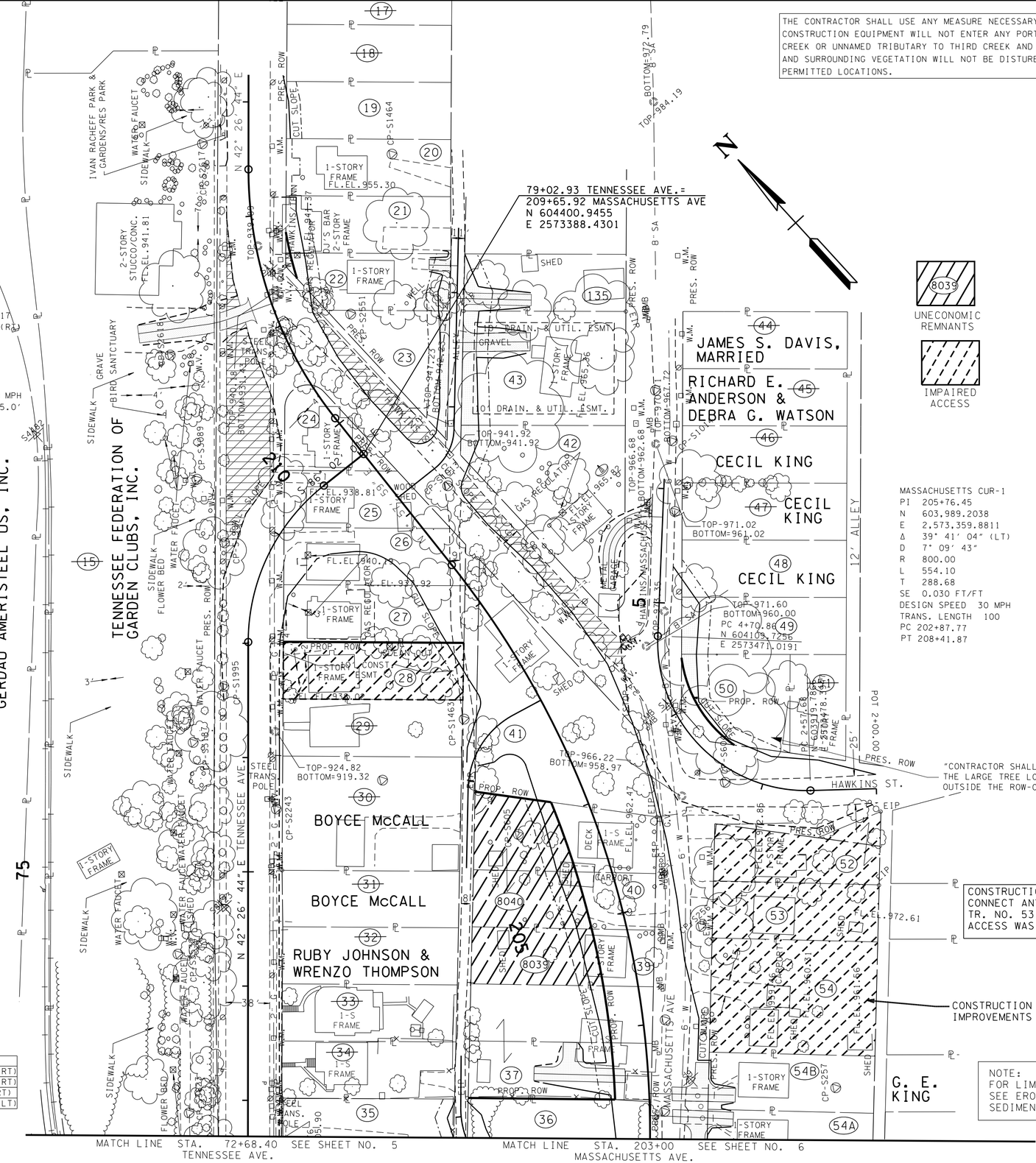
TENNESSEE CUR-1
PI 77+85.57
N 604,409.8607
E 2,573,259.8517
Δ 51° 31′ 15″ (RT)
D 32° 44′ 26″
R 175.00
L 157.36
T 84.45
SE 0.038 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 95.0′
PC 77+01.13
PT 78+58.49

CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
CP-S9	603803.838	2573230.499	950.48	*203+50.21	36.88′ (RT)
CP-S10	604058.111	2573436.859	970.58	*206+48.81	98.05′ (RT)
CP-S11	604574.288	2573435.747	939.89	*211+48.84	7.01′ (RT)
CP-S12	604190.385	2573030.770	920.82	**74+69.02	20.92′ (LT)

*MASSACHUSETTS AVE.
**TENNESSEE AVE.

TRACT NO. 38 COMBINED INTO TRACT NO. 37
DELETED TRACT NO. 38 FROM PLANS.



THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK OR UNNAMED TRIBUTARY TO THIRD CREEK AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	9
CONST.	2016	HPP/STP/NH-62(34)	9

REV. 10-10-12: TR. NO.'S 19 AND 20, REV. SLOPE AND CONST. ESM'T.'S DELETED LINE THRU TR. NO.'S 52, 53, 54, AND 54A. CHANGED OWNER FOR TR. NO. 54A. ADDED TR. NO. 54B FROM NORTHERN PORTION OF TR. NO. 54A. ADDED DRIVE FOR TR. NO. 37. TR. NO. 30 DELETED SLOPE AND CONST. ESM'T. LINED THRU TR. NO. ADDED UNECONOMIC REMNANTS TR. NO. 8039. DELETED DR. TO TR. NO. 28 AND CHANGED TR. TO IMPAIRED ACCESS. REV. OWNER'S NAME TR. NO. 8039.

REV. 09-13-13: REV. PROPERTY LINES FOR TR. NO. 52. MADE TR. NO.'S 52, 53 AND 54 IMPAIRED ACCESS. DELETED ACCESS DR. AND PVT. DR.'S TO TR. NO.'S 52, 53 AND 54 AND ADJUSTED SLOPE LINES FOR MASSACHUSETTS AND HAWKINS ACCORDINGLY. ADDED NOTE FOR REMOVAL OF LARGE TREE OUTSIDE OF R.O.W.

REV. 10-02-14: CHANGED OWNER'S FOR TR. NO.'S 28 AND 52. ADDED UNECONOMIC REMNANTS TR. NO. 8040. ADDED IMPAIRED ACCESS TR. NO. 8028 AND 8052. ADDED NOTES FOR TR. NO.'S 53 AND 54.

REV. 03-23-16: TR. NO. 29 DELETED SLOPE AND CONST. ESM'T. LINED THROUGH TR. NO.

8039 UNECONOMIC REMNANTS

IMPAIRED ACCESS

HAWKINS CUR-1
PI 3+96.98
N 604,010.8046
E 2,573,372.9450
Δ 93° 57′ 18″ (RT)
D 44° 04′ 25″
R 130.00
L 213.18
T 139.30
SE 0.040 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 100

MASSACHUSETTS CUR-1
PI 205+76.45
N 603,989.2038
E 2,573,359.8811
Δ 39° 41′ 04″ (LT)
D 7° 09′ 43″
R 800.00
L 554.10
T 288.68
SE 0.030 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 100
PC 202+87.77
PT 208+41.87

MASSACHUSETTS CUR-2
PI 211+28.07
N 604,562.7112
E 2,573,399.6465
Δ 38° 28′ 45″ (RT)
D 16° 22′ 13″
R 350.00
L 235.06
T 122.15
SE 0.039 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 110
PC 210+05.91
PT 212+40.97

"CONTRACTOR SHALL REMOVE THE LARGE TREE LOCATED OUTSIDE THE ROW-OF-WAY LINE"

CONSTRUCTION SHALL NOT INSTALL OR CONNECT ANY DRIVEWAY TO OR FROM TR. NO. 53. THE VALUE OF THE IMPAIRED ACCESS WAS COMPENSATED TO THE OWNER.

CONSTRUCTION EASEMENT TO REMOVE IMPROVEMENTS LOCATED ON TR. NO. 54.

NOTE:
FOR LIMITS OF STREAM BUFFER SEE EROSION PREVENTION AND SEDIMENT CONTROL PLANS.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

MASSACHUSETTS AVE.

SCALE: 1"= 50′

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

(17) RICHARD L. ROTH, JR.
(18) RONALD N. SHERRILL & MICHAEL L. ALLEN
(19) RUSSELL ARMSTRONG & WIFE, LINDA ARMSTRONG
(20) RUSSELL ARMSTRONG & WIFE, LINDA ARMSTRONG
(21) SANDRA K. CLINE, WIDOW
(22) WALTER HOBSON WARREN, JR.
(23) WALTER HOBSON WARREN, JR.
(24) SHIRLEY A. SMITH
(25) W.T. BRADSHAW & WIFE, OPAL BRADSHAW
(26) EARL COLLINS
(27) HENRY WRANCHER
(28) CHRISTOPHER A. CLAPP & WIFE, AUDREY SUE CLAPP
(29) PAUL KEITH GIBSON
(33) RUBY JOHNSON
(34) DONNA KAY CLANTON & CHARLES MURPHY
(35) CARL T. NEWCOMB & WIFE WILMA R. NEWCOMB
(36) MICHAEL L. WHITE
(37) MILDRED MELISSA POTTER HIPSHER
(39) LORENE TINDELL & HUSBAND, WALTER TINDELL
(40) ARNOLD E. POTTER & WIFE, MARY POTTER
(41) TONY J. SHIRK
(42) ROBERT EARL DAVIS
(43) FRED E. JACKSON
(49) SHIRLEY CLEVENGER
(50) SIDNEY RENERT
(51) ROBERT WEMYESS MONDAY
(52) CLARENCE I. BRYANT & WIFE, SHIRLEY MAE BRYANT
(53) ANGIE D. OLLIS
(54) FOY BOWLES & JIM HURT
(54A) LYNN BROWN
(54B) LYNN BROWN
(135) OPAL DIANE HYDER & L. JACQUELYN BEAVERS W/LIFE ESTATE OF ROBERTA FARRIS
(8039) LORENE TINDELL & HUSBAND, WALTER TINDELL
(8040) ARNOLD E. POTTER & WIFE, MARY POTTER

TRACT NO. 38 COMBINED INTO TRACT NO. 37
DELETED TRACT NO. 38 FROM PLANS.

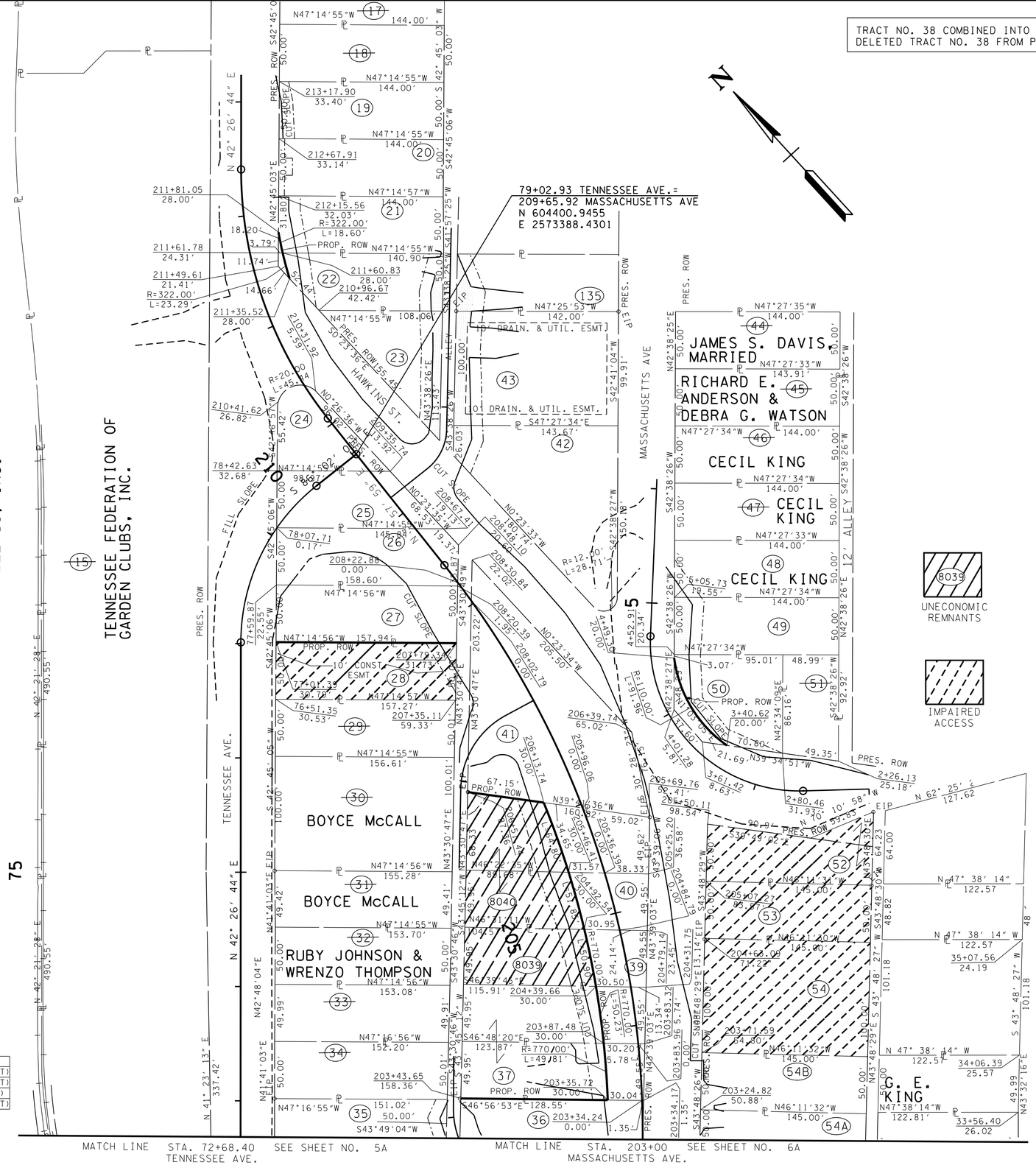
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	9A
CONST.	2016	HPP/STP/NH-62(34)	9A

REV. 10-10-12: TR. NO.'S 19 AND 20. REV. SLOPE AND CONST. ESM'T.'S DELETED LINE THRU TR. NO.'S 52, 53, 54, AND 54A. CHANGED OWNER FOR TR. NO. 54A. ADDED TR. NO. 54B FROM NORTHERN PORTION OF TR. NO. 54A. ADDED DRIVE FOR TR. NO. 37. TR. NO. 30 DELETED SLOPE AND CONST. ESM'T. LINED THRU TR. NO. ADDED UNECONOMIC REMNANTS TR. NO. 8039. DELETED DR. TO TR. NO. 28 AND CHANGED TR. TO IMPAIRED ACCESS. ADDED LAND HOOK TR. NO. 40.

REV. 09-13-13: REV. PROPERTY LINES FOR TR. NO. 52. MADE TR. NO.'S 52, 53 AND 54 IMPAIRED ACCESS. ADJUSTED SLOPE LINES FOR MASSACHUSETTS AND HAWKINS. CORRECTED DIST. ON PROPERTY LINE FOR TR. NO. 52.

REV. 10-02-14: CHANGED OWNER'S FOR TR. NO.'S 28 AND 52. ADDED UNECONOMIC REMNANTS TR. NO. 8040. ADDED IMPAIRED ACCESS TR. NO. 8028 AND 8052.

REV. 03-23-16: TR. NO. 29 DELETED SLOPE AND CONST. ESM'T. LINED THROUGH TR. NO.



UNECONOMIC REMNANTS

IMPAIRED ACCESS

CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
CP-S9	603803.838	2573230.499	950.48	*203+50.21	36.88' (RT)
CP-S10	604058.111	2573436.859	970.58	*206+48.81	98.05' (RT)
CP-S11	604574.288	2573435.747	939.89	*211+48.84	7.01' (RT)
CP-S12	604190.385	2573030.770	920.82	**74+69.02	20.92' (LT)

*MASSACHUSETTS AVE.
**TENNESSEE AVE.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

R.O.W. DETAILS

MASSACHUSETTS AVE.

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	HPP-62(34)	9B
CONST.	2016	HPP/STP/NH-62(34)	9B

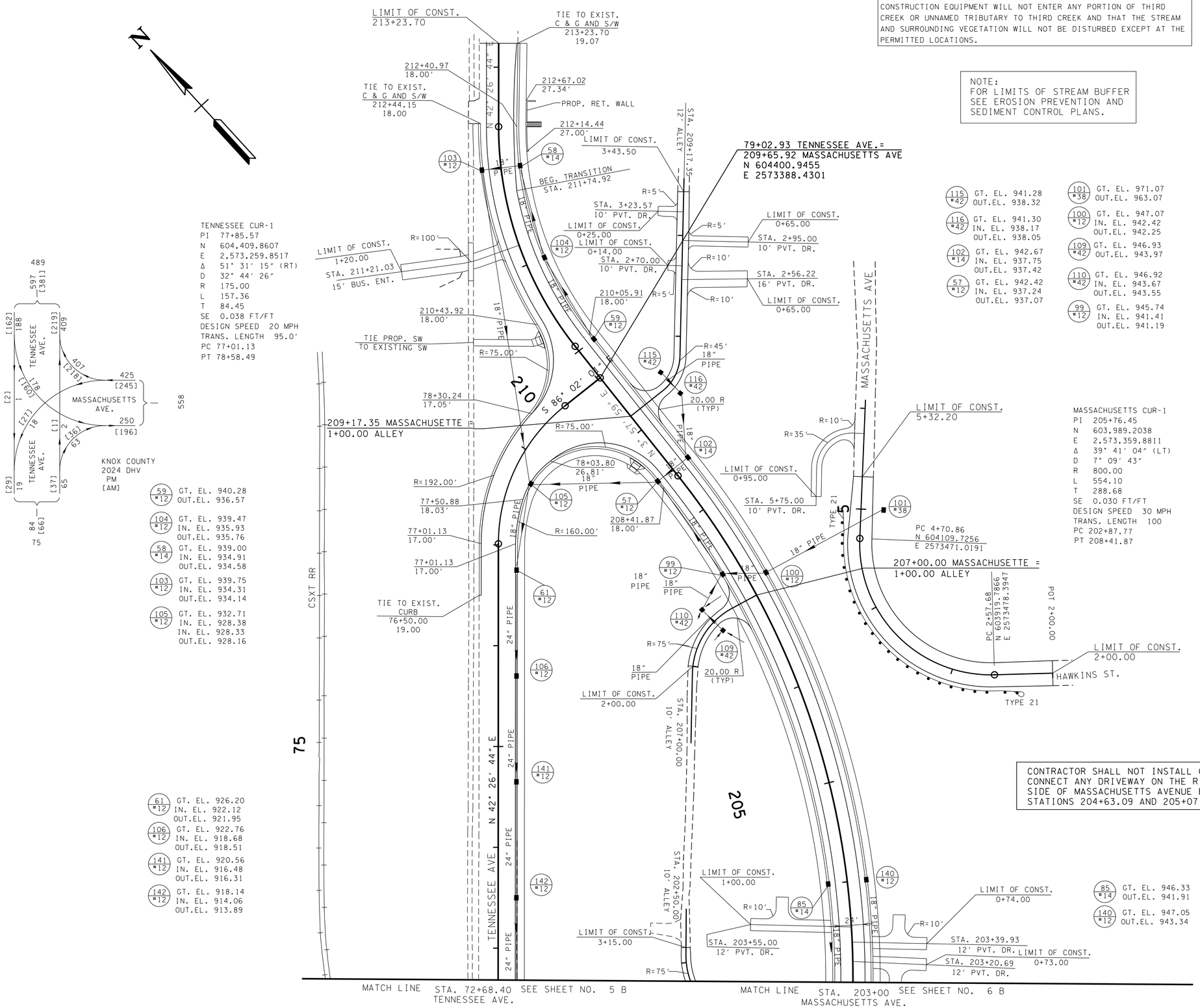
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK OR UNNAMED TRIBUTARY TO THIRD CREEK AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

NOTE:
FOR LIMITS OF STREAM BUFFER SEE EROSION PREVENTION AND SEDIMENT CONTROL PLANS.

REV. 10-10-12: REV. DRIVES RT. 203+20.69, 203+39.93 (MASSACHUSETTS AVE.) AND 3+60.65 (HAWKINS). ADDED DR. LT. 203+55.00. ADDED PROP. RET. WALL RT. 205+20.00 TO 206+00.00 AND 212+14.44 TO 212+67.02. ADD PROP. GUARDRAIL ON RT. OF COMMON DRIVE TO LT. ON HAWKINS ST. REV. PROP. ALLEY LT. MASSACHUSETTS AVE. STA. 207+00.

REV. 09-13-13: DELETED ACCESS DR. LT. HAWKINS ST. STA. 3+60.65, AND PVT. DR.'S LEFT OF ACCESS DR. STA. 0+79.70 AND 13+29.21. DELETED RETAIN. WALL AND GUARDRAIL RT. OF MASSACHUSETTS AND ADJUSTED GUARDRAIL FOR HAWKINS ST.

REV. 10-02-14: ADDED PROPOSED CURB RAMPS ON TENN. AVE. AT MASSACHUSETTS AVE. AND PROP. SW TO CONNECT TO EXIST. SW. ADDED NOTE FOR DRIVEWAY CONNECTIONS RIGHT OF MASSACHUSETTS AVE.



CONTRACTOR SHALL NOT INSTALL OR CONNECT ANY DRIVEWAY ON THE RIGHT SIDE OF MASSACHUSETTS AVENUE BETWEEN STATIONS 204+63.09 AND 205+07.27.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

MASSACHUSETTS AVE.

SCALE: 1"= 50'

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

NOTE 1
EASEMENT REQUIRED FOR THE RAILROAD CROSSING IS TO BE OBTAINED BY THE UTILITIES ENGINEER BY PROVISIONS CONTAINED IN THE CROSSING AGREEMENT WITH THE RAILROAD.

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK OR UNNAMED TRIBUTARY TO THIRD CREEK AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
CP-S6	602320.483	2573607.510	880.83	*60+98.74	40.69' (LT)
CP-S20	602460.390	2573861.168	895.28	138+22.58	16.11' (LT)
CP-S4	602122.209	2574088.480	895.51	142+19.10	50.29' (RT)
CP-S5	601904.462	2574668.030	891.27	S.E. CORNER PROCTOR/SR 62	

*KEITH AVE.

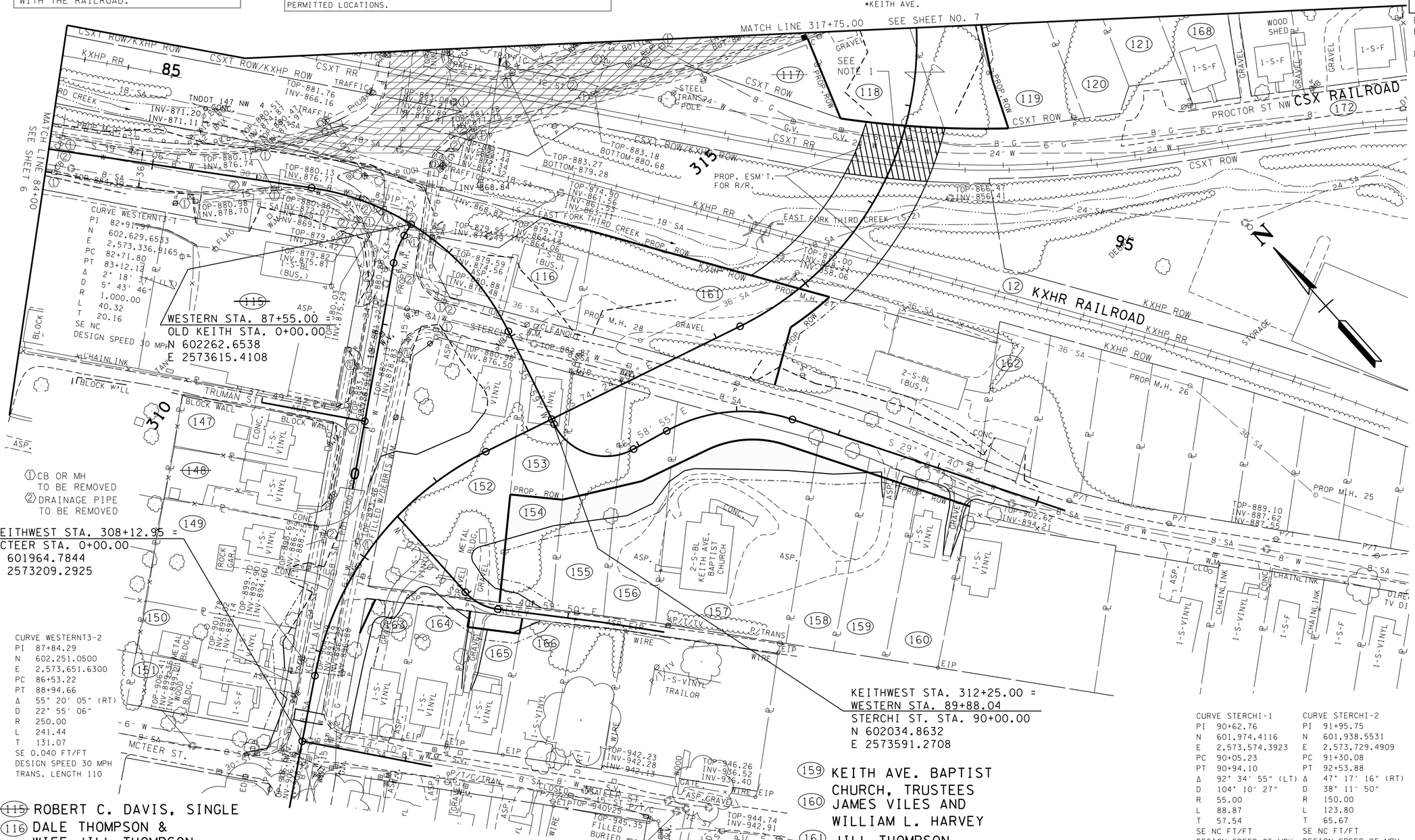
NOTE:
FOR LIMITS OF STREAM BUFFER SEE EROSION PREVENTION AND SEDIMENT CONTROL PLANS.

AREA TO BE SCARIFIED, TOPSOILED AND SEEDED

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	10
CONST.	2016	HPP/STP/NH-62(34)	10

REV. 10-10-12: ADDED SHEET TO PLANS AND MOVED TR. NO.'S 115 - 121 FROM SHEET 7. ADDED MATCH LINE FOR SHEETS 6 AND 7.

REV. 09-13-13: REV. BUS. ENT. TO TR. NO. 115 AND DELETED PATTERN FOR TR. NO. 12.



(115) ROBERT C. DAVIS, SINGLE
(116) DALE THOMPSON & WIFE JILL THOMPSON
(117) KNOXVILLE UTILITIES BOARD
(118) AMY UNDERWOOD
(119) BRUCE CROWE & WIFE, MARGARET W. CROWE
(120) RONALD A. MILAM & WIFE, MELISSA D. MILAM
(121) VICKI J. HINDMAN, STEVEN HINDMAN & PEGGY PHILLIPS
(147) GAYLA J. DAVIS
(148) JACK E. ODUM, ETUX GERRY ODUM
(149) BENJAMIN M. HICKEY JR. , ETUX PATRICIA A. HICKEY
(150) JOSEPH M. LABELLE, ETUX JERRY F. LABELLE
(151) WILLIE R. ROUNDTREE, ETUX WILLIE D. ROUNDTREE
(152) CARL E. RUSH JR.
(153) BARBARA J. WEAVER
(154) KEITH AVE. BAPTIST CHURCH, TRUSTEES
(155) KEITH AVE. BAPTIST CHURCH, TRUSTEES
(156) KEITH AVE. BAPTIST CHURCH, TRUSTEES
(157) KEITH AVE. BAPTIST CHURCH, TRUSTEES
(158) KEITH AVE. BAPTIST CHURCH, TRUSTEES
(159) KEITH AVE. BAPTIST CHURCH, TRUSTEES
(160) JAMES VILES AND WILLIAM L. HARVEY
(161) JILL THOMPSON
(162) JILL THOMPSON
(163) FRED BLEVINS, ETUX RUTH BLEVINS
(164) FRED BLEVINS, ETUX RUTH BLEVINS
(165) FRED V. DUNLAP, ETUX PATRICA A. DUNLAP
(166) WILLIAM T. CARTER, ETUX ELIZABETH C. CARTER
(168) BOYZIE TURNER

CURVE STERCHI-1
PI 90+62.76
N 601,974.4116
E 2,573,574.3923
PC 90+05.23
PT 90+94.10
Δ 92° 34' 55" (LT)
D 104° 10' 27"
R 55.00
L 88.87
T 57.54
SE NC FT/FT
DESIGN SPEED 25 MPH

CURVE STERCHI-2
PI 91+95.75
N 601,938.5531
E 2,573,729.4909
PC 91+30.08
PT 92+53.88
Δ 47° 17' 16" (RT)
D 38° 11' 50"
R 150.00
L 123.80
T 65.67
SE NC FT/FT
DESIGN SPEED 25 MPH

CURVE OLD KEITH
PI 0+26.86
N 602,255.0657
E 2,573,589.6419
PC 0+12.68
PT 0+40.72
Δ 21° 25' 14" (LT)
D 76° 23' 40"
R 75.00
L 28.04
T 14.19
SE NC FT/FT
DESIGN SPEED NA

CURVE KEITHWEST-1
PI 310+26.54
N 602,094.0321
E 2,573,379.3468
PC 308+76.51
PT 311+55.00
Δ 52° 50' 09" (RT)
D 18° 58' 20"
R 302.00
L 278.49
T 150.03
SE 0.040 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 140

CURVE KEITHWEST-2
PI 316+60.33
N 601,917.7962
E 2,574,010.5664
PC 314+25.26
PT 318+24.76
Δ 75° 47' 36" (LT)
D 18° 58' 20"
R 302.00
L 399.50
T 235.07
SE 0.040 FT/FT
DESIGN SPEED 25 MPH
TRANS. LENGTH 110

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT
KEITH AVENUE
STA.308+13± TO STA.317+75
SCALE: 1"= 50'

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

NOTE 1
EASEMENT REQUIRED FOR THE RAILROAD CROSSING IS TO BE OBTAINED BY THE UTILITIES ENGINEER BY PROVISIONS CONTAINED IN THE CROSSING AGREEMENT WITH THE RAILROAD.

CONTROL POINTS

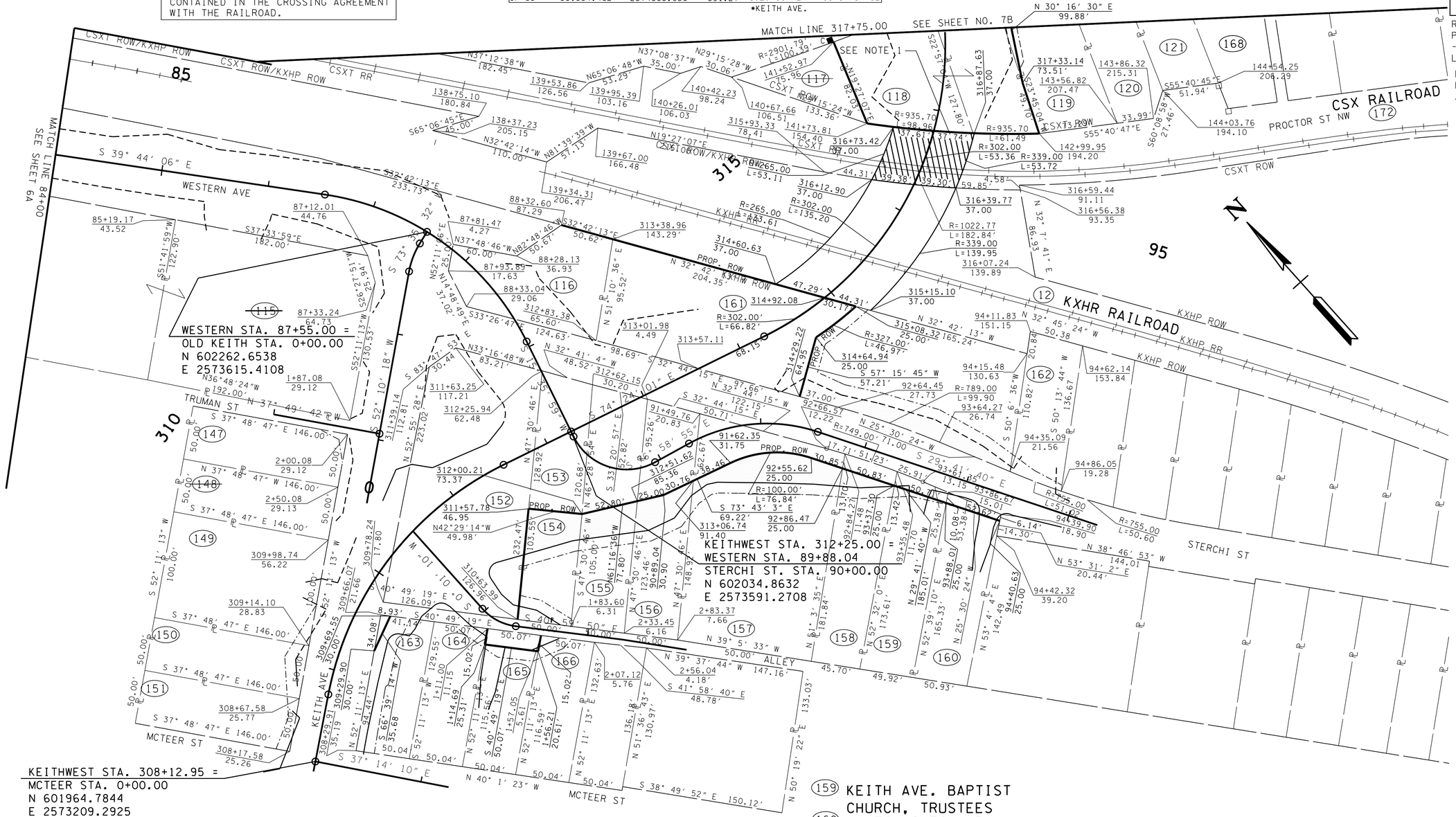
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
CP-S6	602320.483	2573607.510	880.83	*60+98.74	40.69' (LT)
CP-S20	602460.390	2573861.168	895.28	138+22.58	16.11' (LT)
CP-S4	602122.209	2574088.480	895.51	142+19.10	50.29' (RT)
CP-S5	601904.462	2574668.030	891.27	S.E. CORNER PROCTOR/SR 62	

*KEITH AVE.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	10A
CONST.	2016	HPP/STP/NH-62(34)	10A

REV. 10-10-12: ADDED SHEET TO PLANS AND MOVED TR. NO.'S 115 - 121 FROM SHEET 7A. ADDED MATCH LINE FOR SHEETS 6A AND 7A.

REV. 09-13-13: DELETED PATTERN FOR TR. NO. 12. NUMBERED RR NOTE, ADDED REFERENCE TO SEE NOTE.



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(157) KEITH AVE. BAPTIST CHURCH, TRUSTEES
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(160) JAMES VILES AND WILLIAM L. HARVEY
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(165) FRED V. DUNLAP, ETUX PATRICA A. DUNLAP
(166) WILLIAM T. CARTER, ETUX ELIZABETH C. CARTER
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CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

R.O.W. DETAILS

KEITH AVENUE

STA.308+13± TO STA.317+75

SCALE: 1"= 50'

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

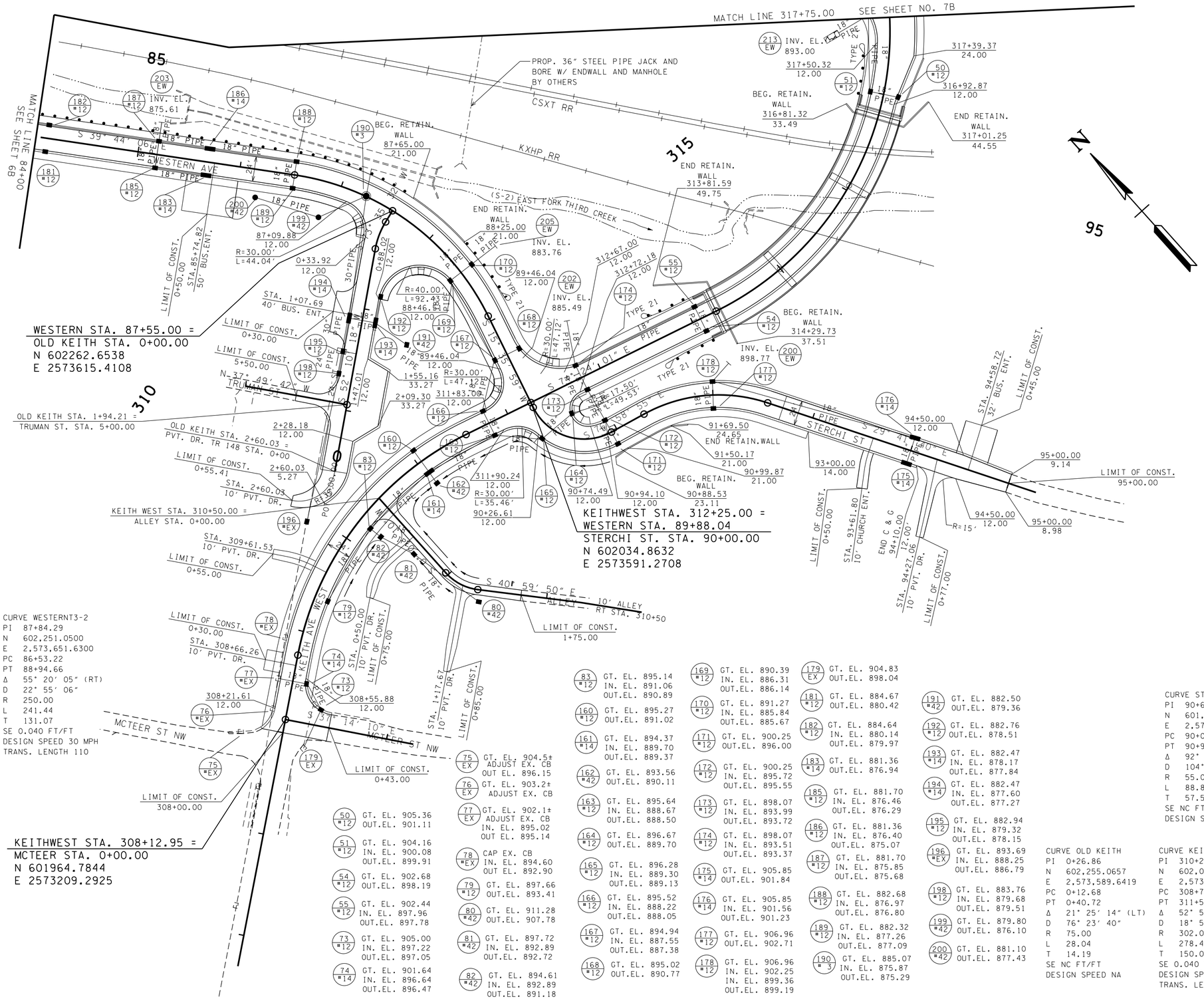
NOTE:
FOR LIMITS OF STREAM BUFFER SEE EROSION PREVENTION AND SEDIMENT CONTROL PLANS.

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK OR UNNAMED TRIBUTARY TO THIRD CREEK AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	10B
CONST.	2016	HPP/STP/NH-62(34)	10B

REV. 10-10-12: ADDED SHEET TO PLANS. ADDED MATCH LINE FOR SHEETS 6B AND 7B.

REV. 09-13-13: MOVED BUS. ENT. RT. WESTERN STA.85+69.82 TO STA. 85+74.82. CHANGED TO 50' WIDTH. REVISED PROP. STORM DRAINAGE.



CURVE OLD KEITH
PI 0+26.86
N 602,255.0657
E 2,573,589.6419
PC 0+12.68
PT 0+40.72
Δ 21° 25' 14" (LT)
D 76° 23' 40"
R 75.00
L 28.04
T 14.19
SE NC FT/FT
DESIGN SPEED NA

CURVE KEITHWEST-1
PI 310+26.54
N 602,094.0321
E 2,573,379.3468
PC 308+76.51
PT 311+55.00
Δ 52° 50' 09" (RT)
D 18° 58' 20"
R 302.00
L 278.49
T 150.03
SE 0.040 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 140

CURVE KEITHWEST-2
PI 316+60.33
N 601,917.7962
E 2,574,010.5664
PC 314+25.26
PT 318+24.76
Δ 75° 47' 36" (LT)
D 18° 58' 20"
R 302.00
L 399.50
T 235.07
SE 0.040 FT/FT
DESIGN SPEED 25 MPH
TRANS. LENGTH 110

CURVE STERCHI-1
PI 90+62.76
N 601,974.4116
E 2,573,574.3923
PC 90+05.23
PT 90+94.10
Δ 92° 34' 55" (LT)
D 104° 10' 27"
R 55.00
L 88.87
T 57.54
SE NC FT/FT
DESIGN SPEED 25 MPH

CURVE STERCHI-2
PI 91+95.75
N 601,938.5531
E 2,573,729.4909
PC 91+30.08
PT 92+53.88
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D 38° 11' 50"
R 150.00
L 123.80
T 65.67
SE NC FT/FT
DESIGN SPEED 25 MPH

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

KEITH AVENUE
STA.308+13± TO STA.317+75

SCALE: 1"= 50'

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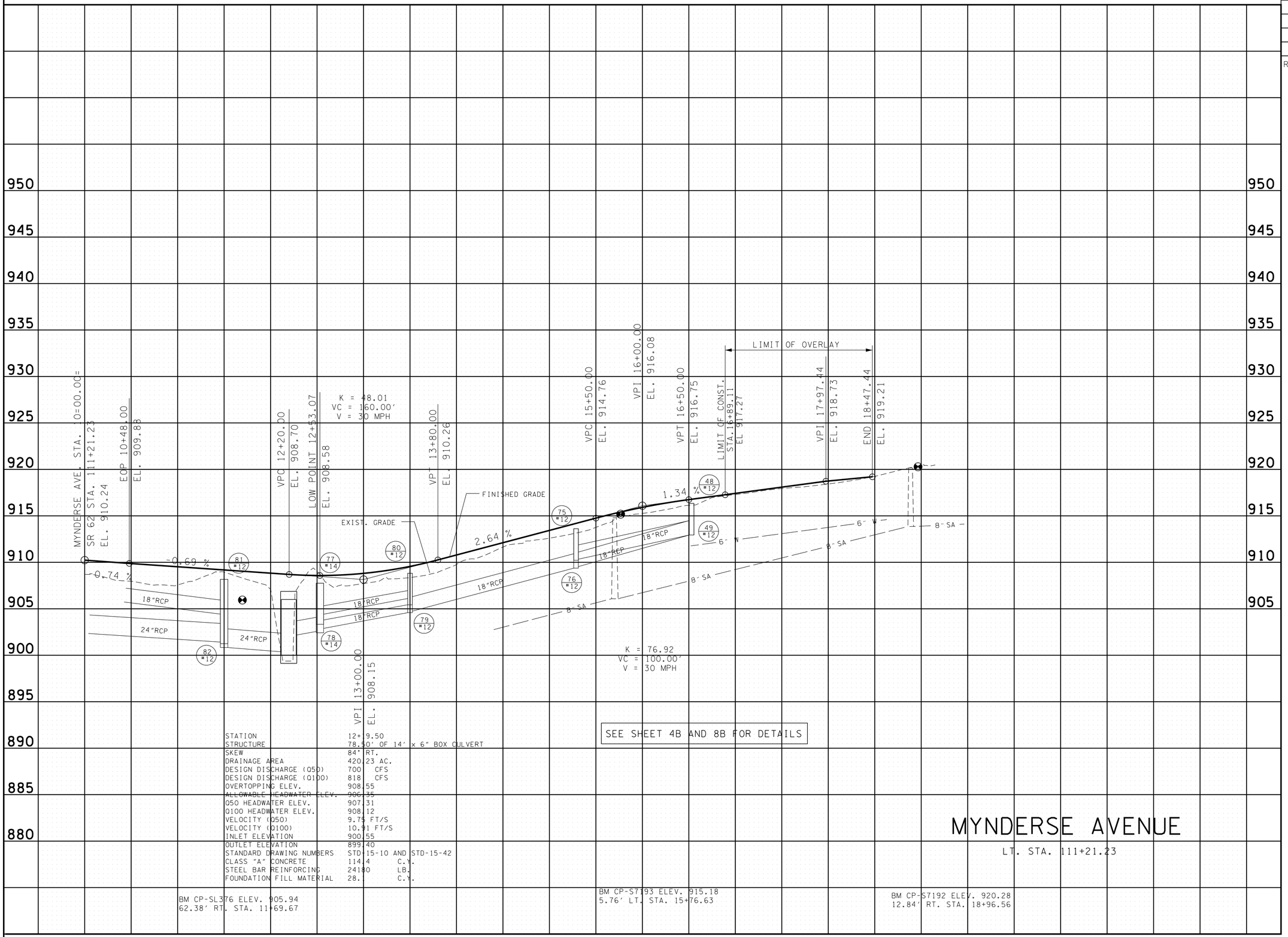
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	11
CONST.	2016	HPP/STP/NH-62(34)	11

REV. 10-10-12: REVISED SHEET NO.



SEE SHEET 4B AND 8B FOR DETAILS

STATION	12+ 9.50
STRUCTURE	78.50' OF 14' x 6" BOX CULVERT
SKEW	84° RT.
DRAINAGE AREA	420.23 AC.
DESIGN DISCHARGE (050)	700 CFS
DESIGN DISCHARGE (0100)	818 CFS
OVERTOPPING ELEV.	908.55
ALLOWABLE HEADWATER ELEV.	906.35
050 HEADWATER ELEV.	907.31
0100 HEADWATER ELEV.	908.12
VELOCITY (050)	9.75 FT/S
VELOCITY (0100)	10.91 FT/S
INLET ELEVATION	900.55
OUTLET ELEVATION	899.40
STANDARD DRAWING NUMBERS	STD-15-10 AND STD-15-42
CLASS "A" CONCRETE	114.4 C.Y.
STEEL BAR REINFORCING	24180 LB.
FOUNDATION FILL MATERIAL	28. C.Y.

BM CP-SL376 ELEV. 905.94
62.38' RT. STA. 11+69.67

BM CP-S7193 ELEV. 915.18
5.76' LT. STA. 15+76.63

BM CP-S7192 ELEV. 920.28
12.84' RT. STA. 18+96.56

MYNDERSE AVENUE

LT. STA. 111+21.23

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

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

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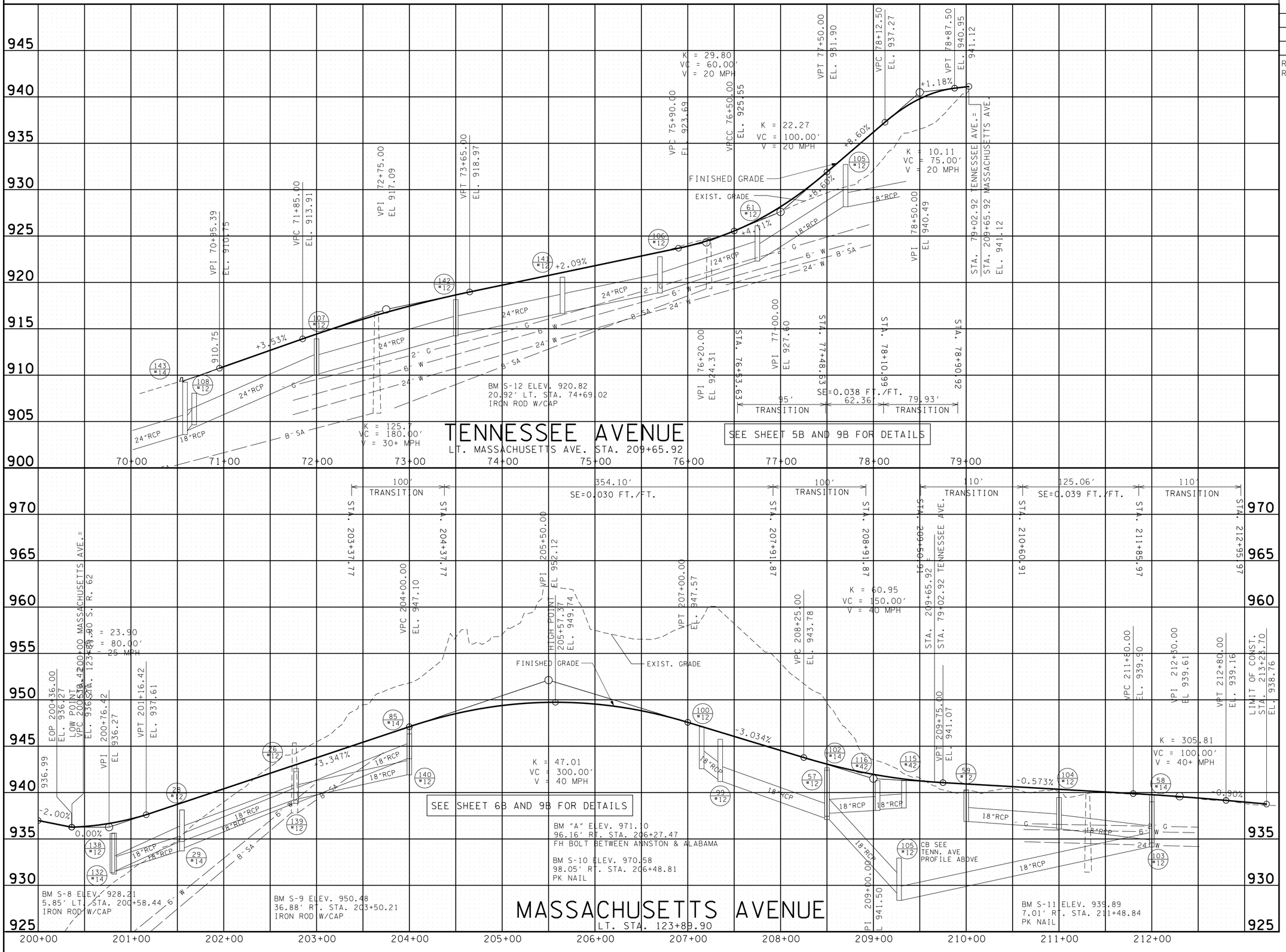
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	12
CONST.	2016	HPP/STP/NH-62(34)	12

REV. 10-10-12: REVISED SHEET NO.
REV. TENNESSEE AVE. PROFILE.



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

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

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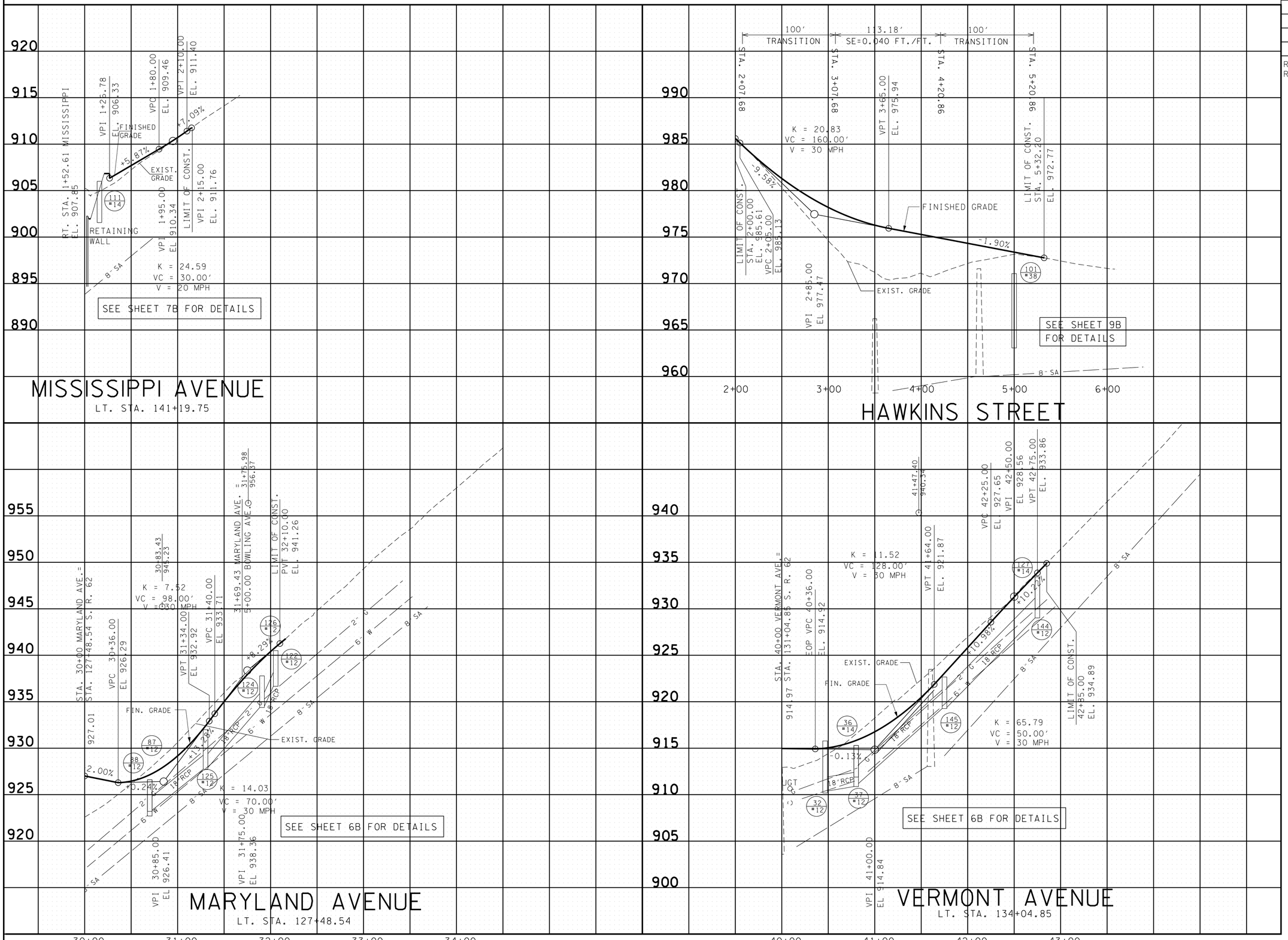
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	13
CONST.	2016	HPP/STP/NH-62(34)	13

REV. 10-10-12: REVISED SHEET NO.
REV. MISSISSIPPI AVE. PROFILE.



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

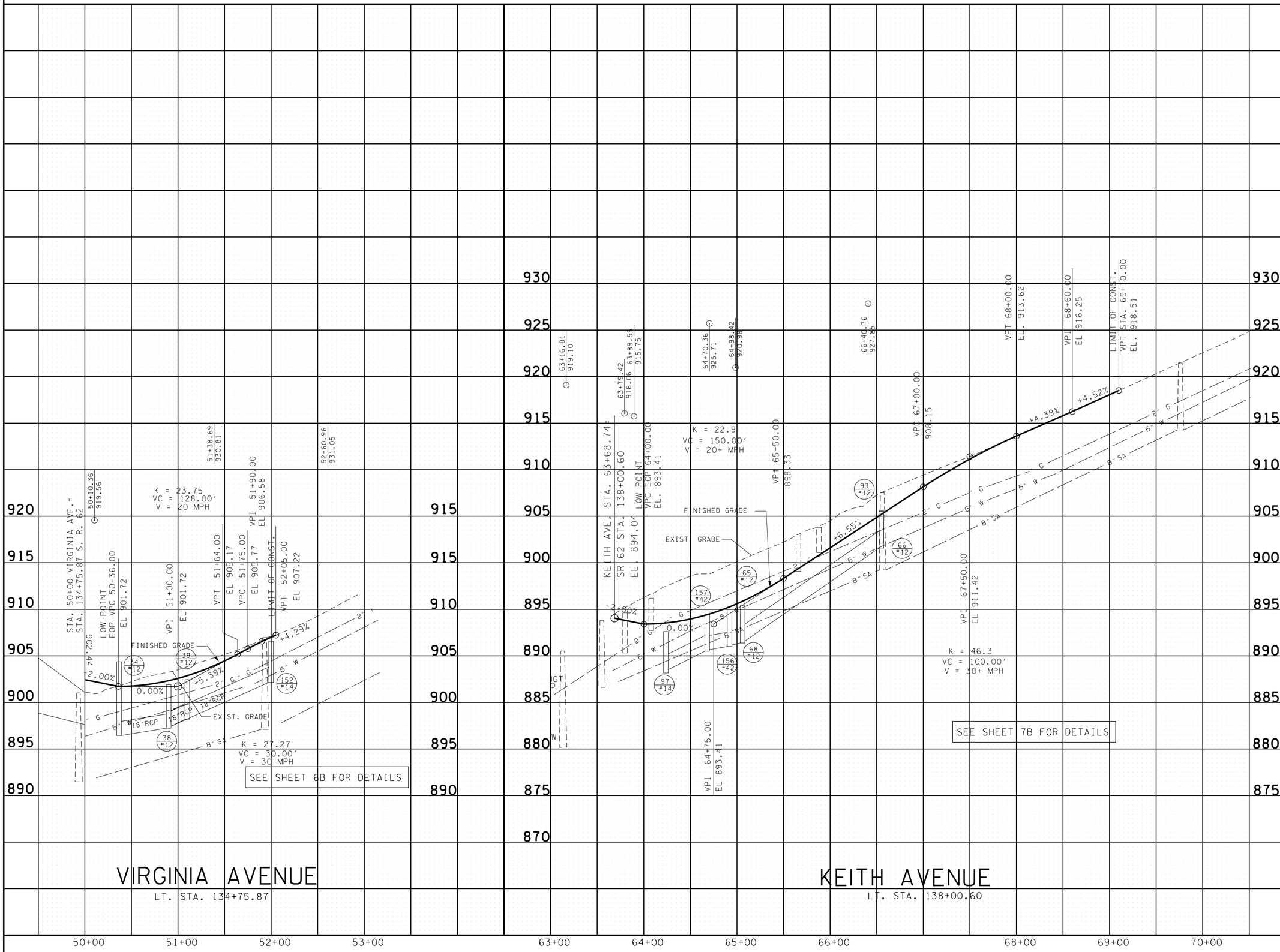
PROFILE OF SIDE ROADS AND STREETS

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

5/4/2016 10:35:27 AM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\48230I-013.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	14
CONST.	2016	HPP/STP/NH-62(34)	14

REV. 10-10-12: REVISED SHEET NO.
REV. KEITH AVE. PROFILE.



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

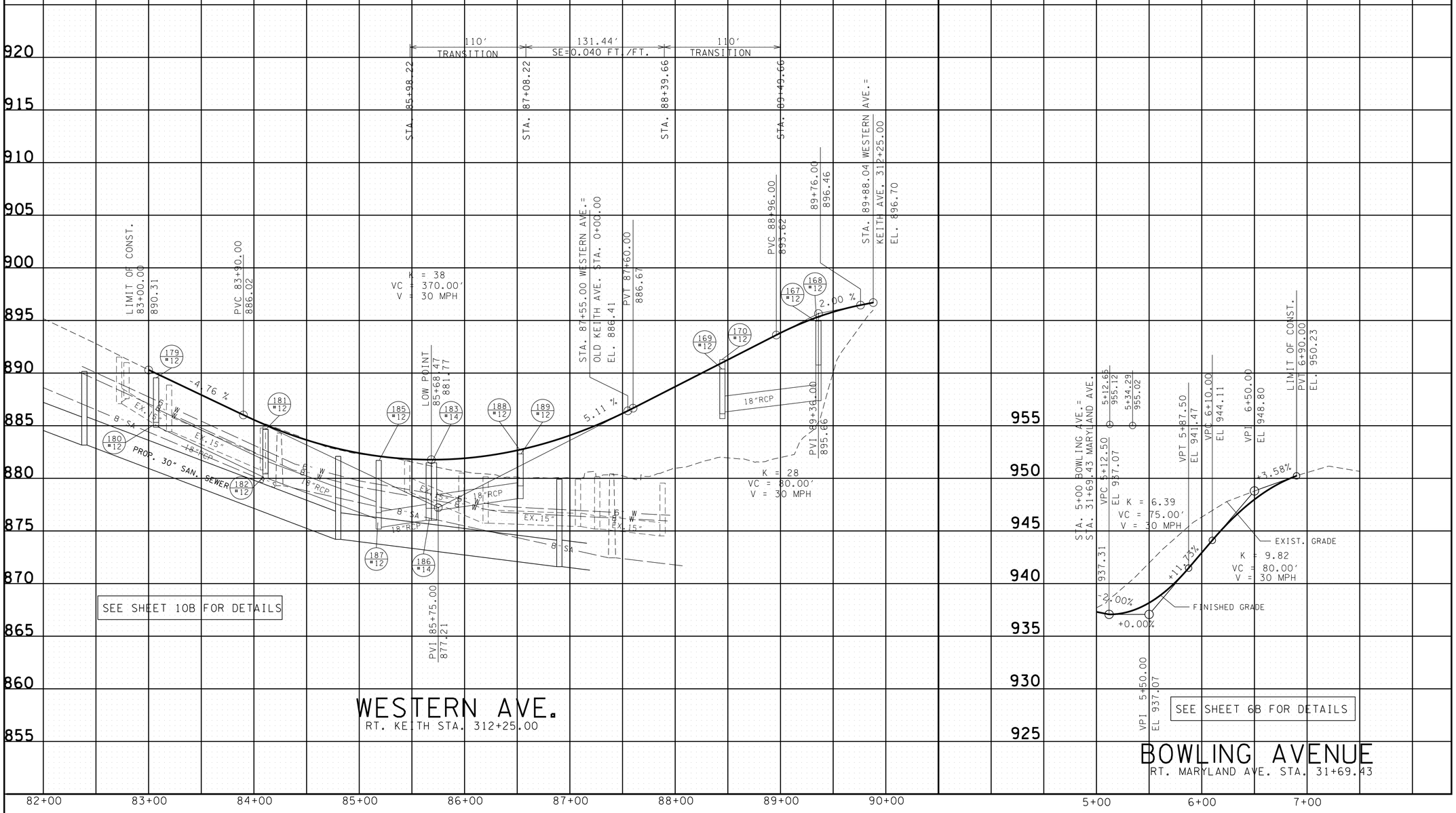
PROFILE OF SIDE ROADS AND STREETS

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

5/4/2016 10:35:28 AM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\48230I-014.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	15
CONST.	2016	HPP/STP/NH-62(34)	15

REV. 10-10-12: REVISED SHEET NO. DELETED PROFILE TENN. AVE. TO WESTERN AVE. ADDED WESTERN AVE. PROFILE.



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

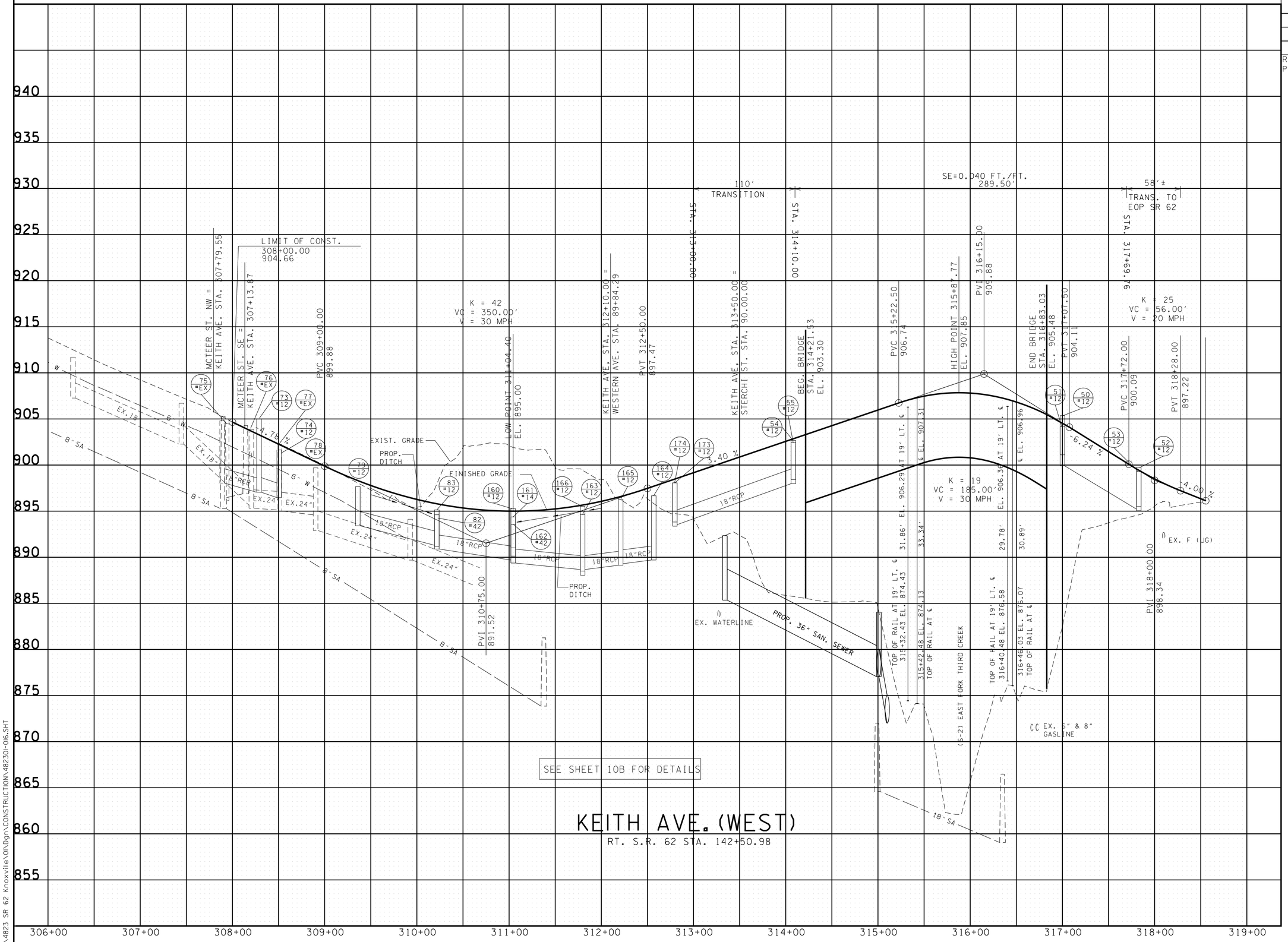
PROFILE OF SIDE ROADS AND STREETS

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

5/4/2016 10:35:28 AM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\48230I-015.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	16
CONST.	2016	HPP/STP/NH-62(34)	16

REV. 10-10-12: ADDED SHEET TO PLANS.



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

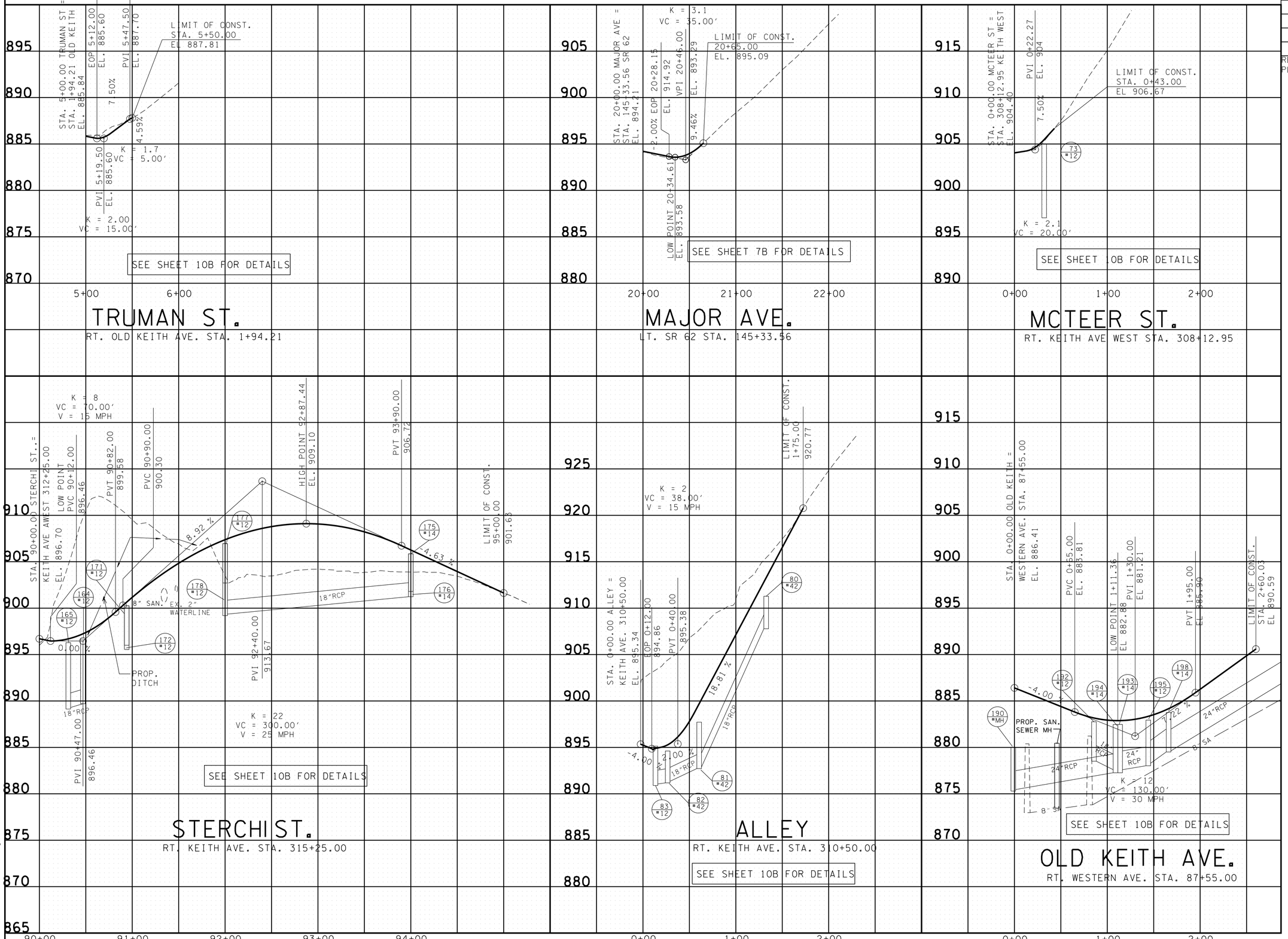
PROFILE OF SIDE ROADS AND STREETS

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

5/4/2016 10:35:29 AM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\48230I-016.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	17
CONST.	2016	HPP/STP/NH-62(34)	17

REV. 10-10-12: ADDED SHEET TO PLANS.



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

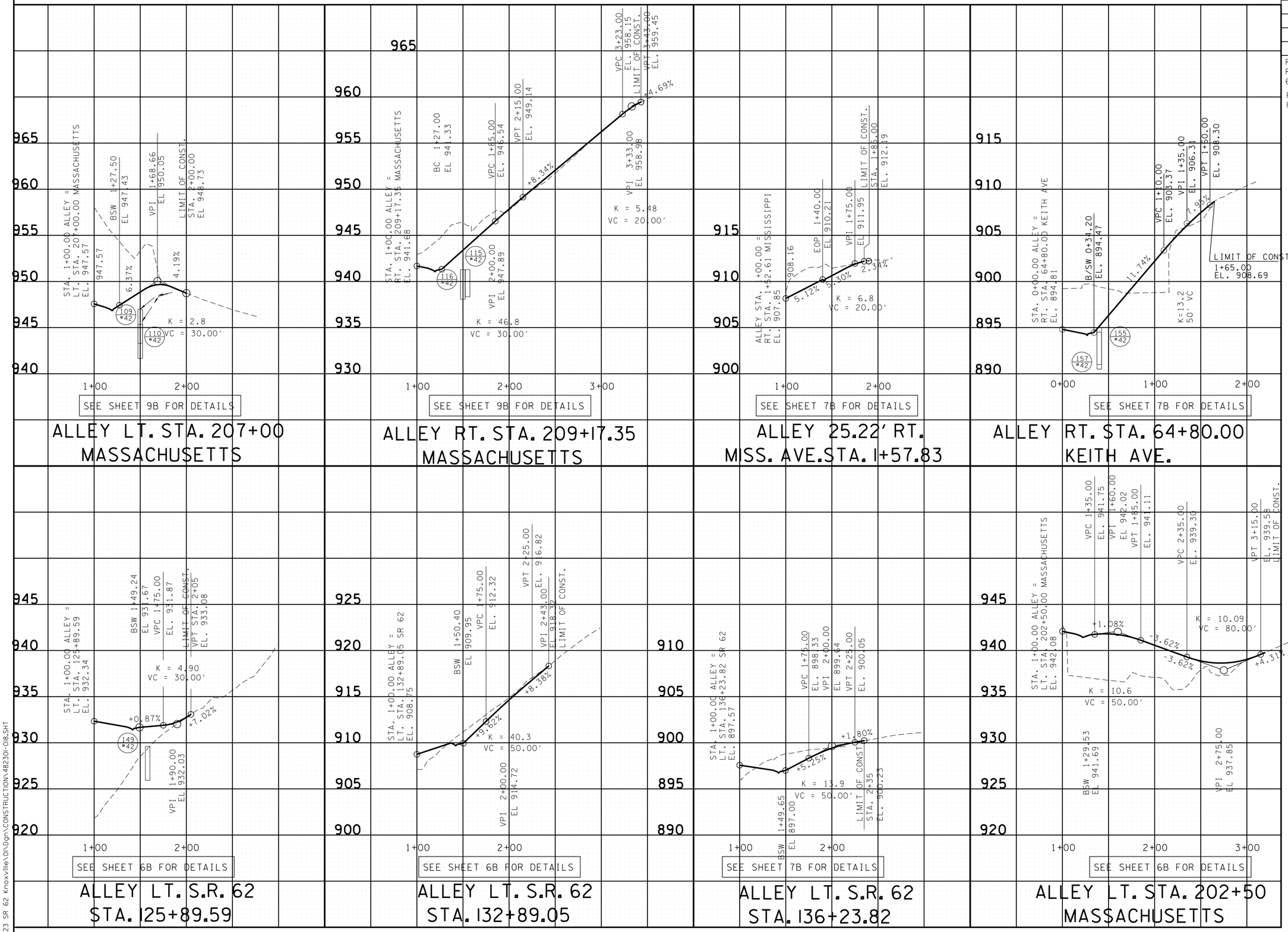
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

5/4/2016 10:35:30 AM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\48230I-017.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	18
CONST.	2016	HPP/STP/NH-62(34)	18

REV. 10-10-12: REVISED SHEET NO.
REV. PROFILE FOR ALLEY RT. STA. 64+80.00 KEITH AVE.

REV. 11-13-13: REVISED PROFILE FOR ALLEY LT. SR 62 STA. 136+23.52.



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

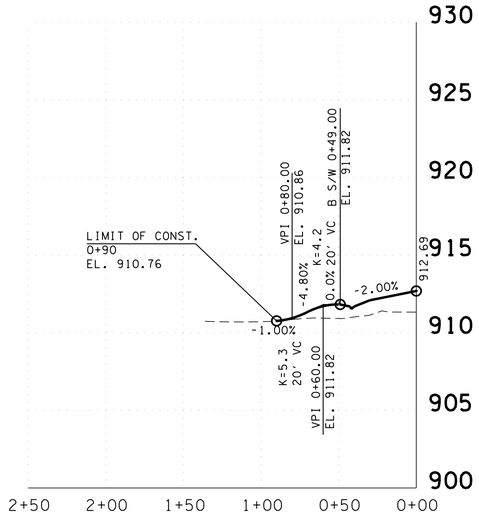
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

5/4/2016 11:22:24 AM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\48230I-018.SHT

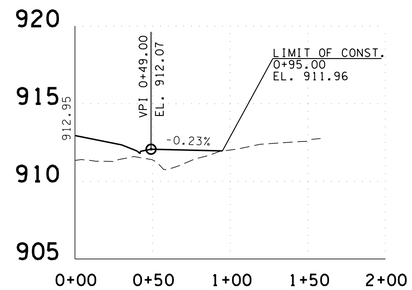
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	19
CONST.	2016	HPP/STP/NH-62(34)	19

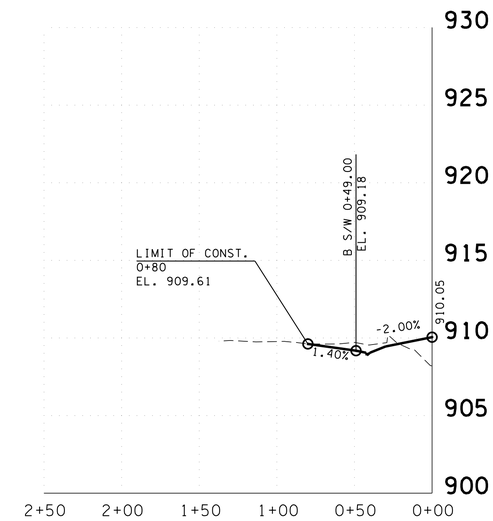
REV. 10-10-12: REVISED SHEET NO. DELETED 20' BUS.ENT. LT. 106+78.00 (TR. NO. 2). ADDED BUS. ENT. RT. OF BUS. ENT. LT. 106+17.00.



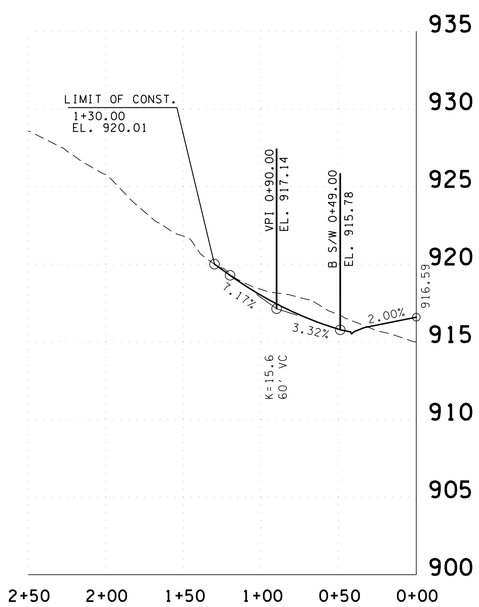
24' BUS. ENT. LT. 107+54.71
TRACT NO. 3



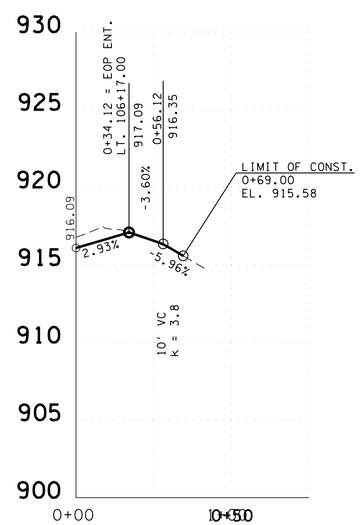
40' BUS. ENT. RT. 107+44.09
TRACT NO. 99



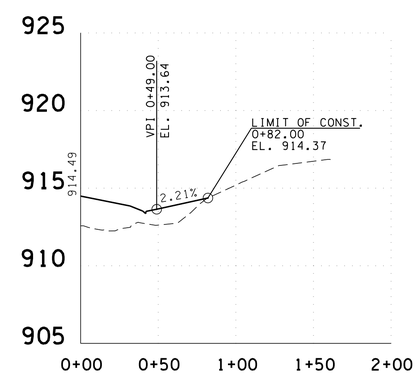
40' BUS. ENT. LT. 109+17.59
TRACT NO. 3



30' BUS. ENT. LT. 106+17.00
TRACT NO. 1



20' BUS. ENT. RT. OF
BUS. ENT. LT. 106+17.00
TRACT NO. 2



40' BUS. ENT. RT. 106+88.06
TRACT NO. 98

STATE ROUTE 62

CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF
PRIVATE
DRIVES

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

5/4/2016 10:35:31 AM
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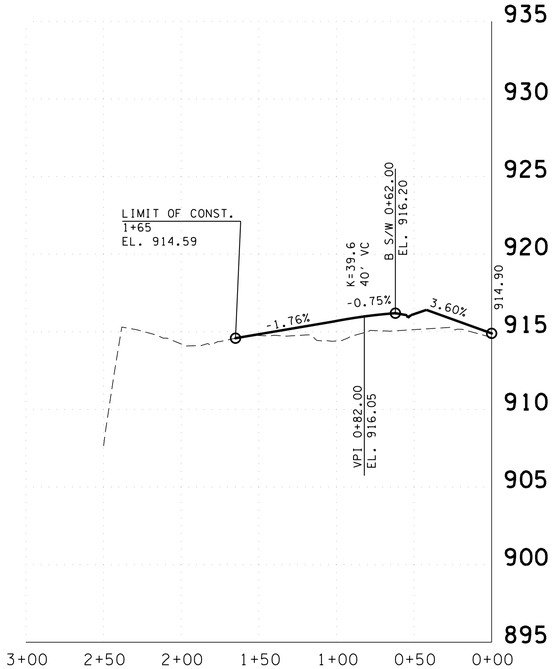
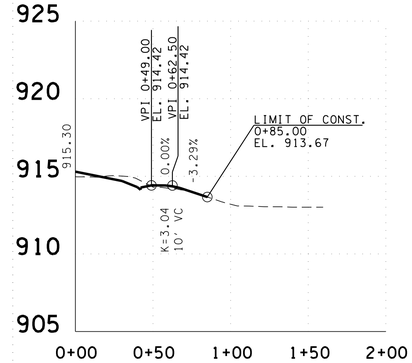
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	20
CONST.	2016	HPP/STP/NH-62(34)	20

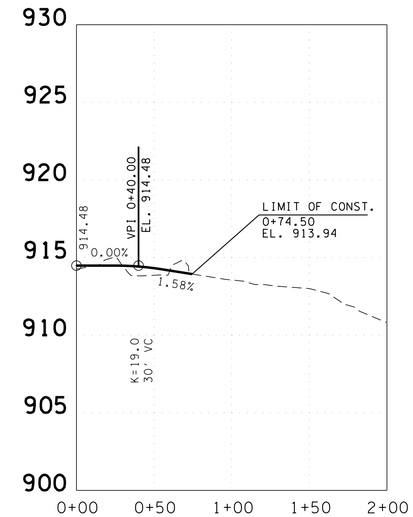
REV. 10-10-12: REVISED SHEET NO. DELTED 30' BUS. ENT. RT. 109-87.47 (TR. NO. 99) AND 20' BUS. ENT. RT. 110+34.67 (TR. NO. 100). ADDED 40' BUS. ENT. RT. 110+15.00 (TR. NO.'S 99 AND 100) AND 18' BUS. ENT. LT. OF 40' BUS. ENT. RT. 113+57.56



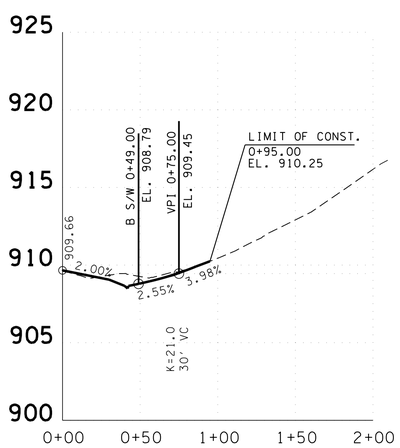
10' PVT. DR. LT. 113+45.00
TRACT NO. 7 AND 7S



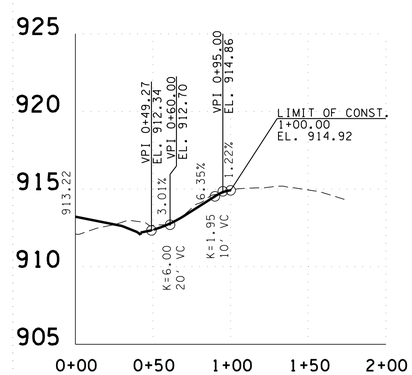
30' BUS. ENT. RT. 113+57.56
TRACT NO. 102



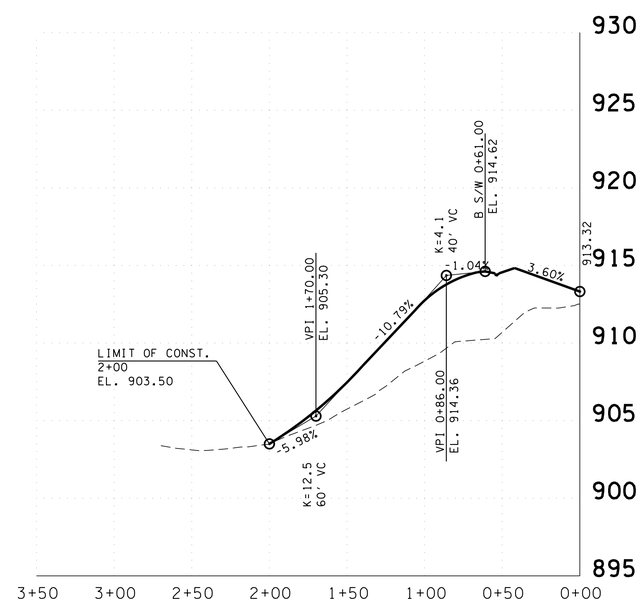
18' BUS. ENT. LT. OF
BUS. ENT. RT. 113+57.56
TRACT NO. 102



40' BUS. ENT. RT. 110+15.00
TRACT NO. 99 & 100



20' BUS. ENT. RT. 112+86.43
TRACT NO. 101



10' PVT. DR. LT. 112+90.00
TRACT NO. 6 AND 6S

STATE ROUTE 62

CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF
PRIVATE
DRIVES

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

5/4/2016 10:35:32 AM
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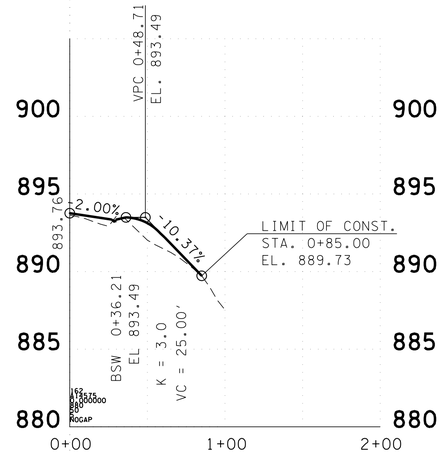
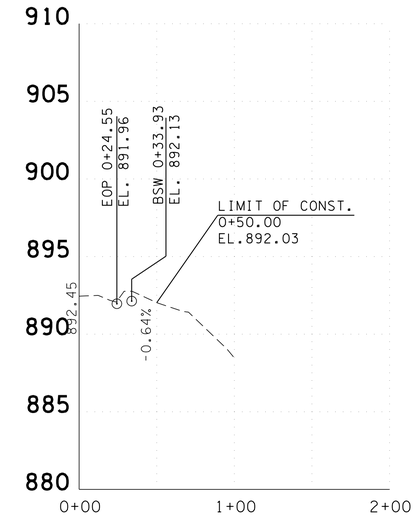
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	21
CONST.	2016	HPP/STP/NH-62(34)	21

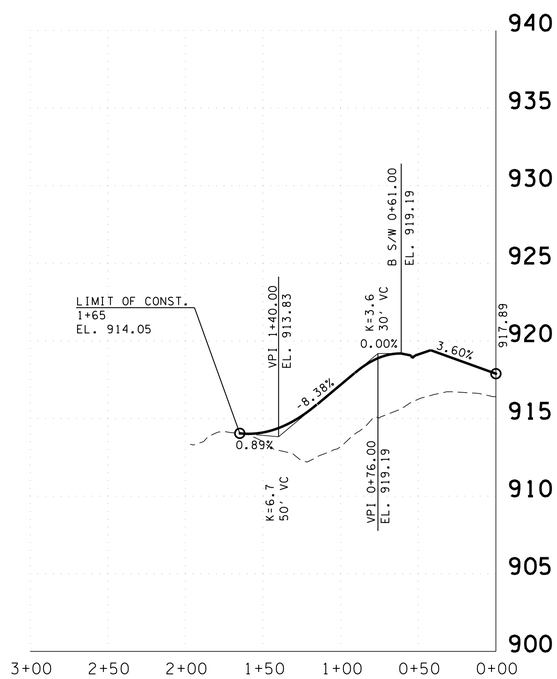
REV. 10-10-12: REVISED SHEET NO. DELTED 18' PVT. DR. LT. 143+16.46 (TR. NO. 97). ADDED PVT. DR.'S FOR TR. NO. 168 STA. 144+65.47 AND 146+86.70.



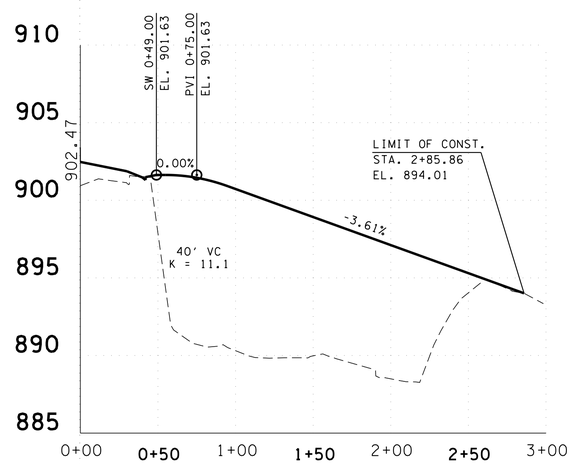
12' PVT. DR. RT. 145+75.00
TRACT NO. 170



40' PVT. DR. RT. 146+77.24
TRACT NO. 171



10' PVT. DR. LT. 114+30.00
TRACT NO. 7



12' PVT. DR. RT. 134+75.00
TRACT NO. 114

STATE ROUTE 62

CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF
PRIVATE
DRIVES

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

5/4/2016 10:35:32 AM
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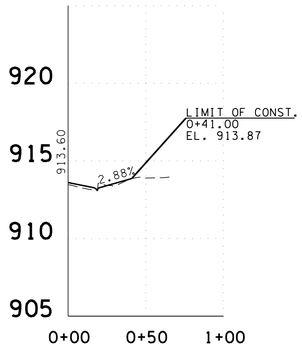
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

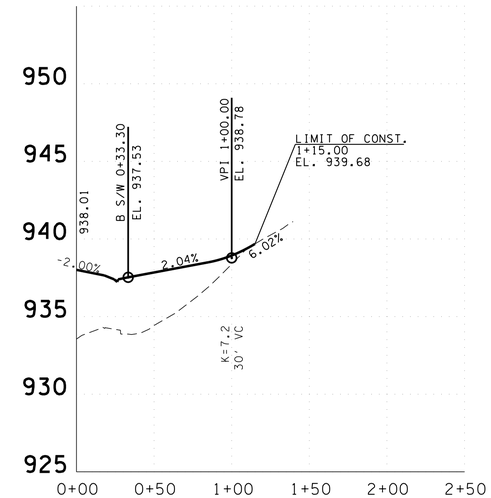
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	22
CONST.	2016	HPP/STP/NH-62(34)	22

REV. 10-10-12: REVISED SHEET NO. ADDED 12' PVT. DR. LT. OF 203+55.00 MASSACHUSETTS AVE. TR. NO. 37. DELETED PVT. DR. FOR TR. NO. 28.



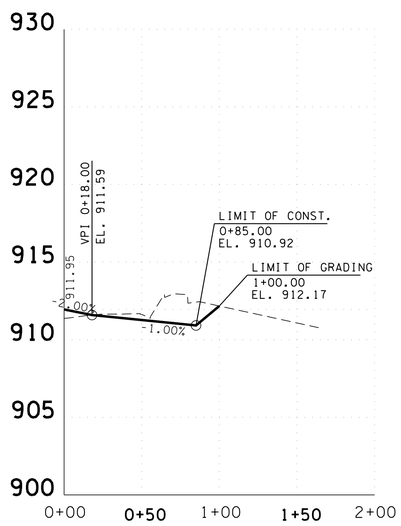
20' BUS. ENT. RT. 71+76.20
TRACT NO. 35

TENNESSEE AVE.



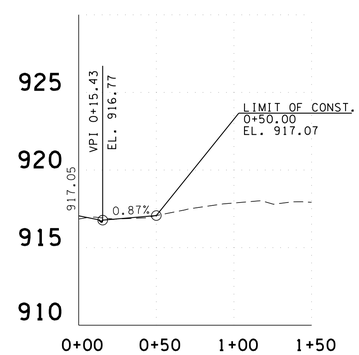
10' PVT. DR. RT. 201+28.49
TRACT NO. 57

MASSACHUSETTS AVE.



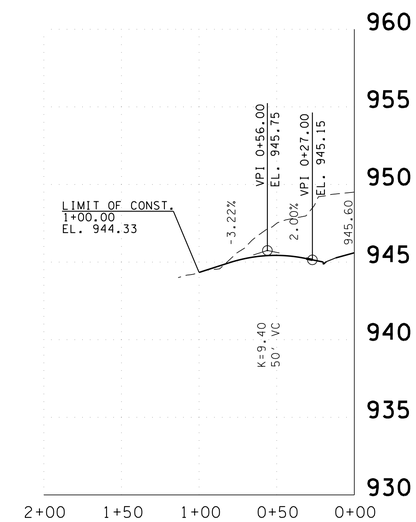
74' BUS. ENT. RT. 14+43.88
TRACT NO. 123

MYNDERSE AVE.



24' BUS. ENT. RT. 16+72.28
TRACT NO. 122

MYNDERSE AVE.



12' PVT. DR. LT. 203+55.00
TRACT NO. 37

MASSACHUSETTS AVE.

CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF
PRIVATE
DRIVES

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

5/4/2016 10:35:32 AM
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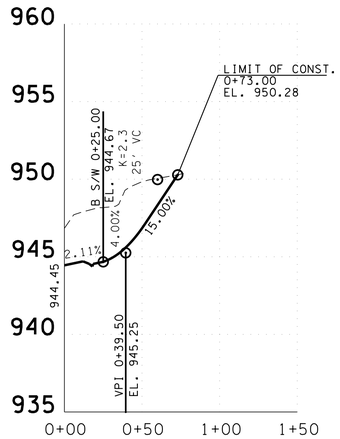
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

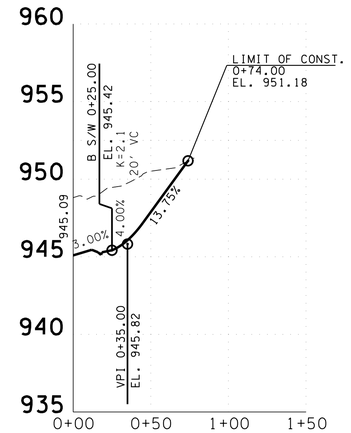
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	23
CONST.	2016	HPP/STP/NH-62(34)	23

REV. 10-10-12: REVISED SHEET NO. PVT. DR. RT. OF 203+39.93 MASSACHUSETTS AVE. CHANGED TO TR. NO. 54B. REVISED PROFILES FOR TR. NO'S. 54A AND 54B.
REV. 09-13-13: DELETED PROFILE FOR ACCES DR. LT. HAWKINS ST. STA. 3+60.65.



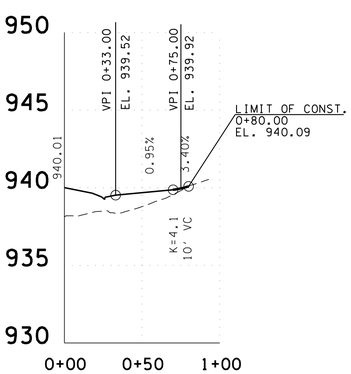
12' PVT. DR. RT. 203+20.69
TRACT NO. 54A

MASSACHUSETTS AVE.



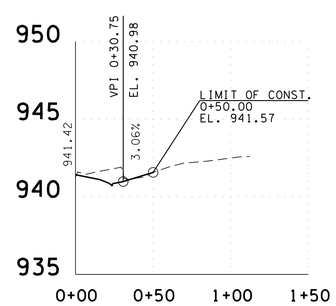
12' PVT. DR. RT. 203+39.93
TRACT NO. 54B

MASSACHUSETTS AVE.



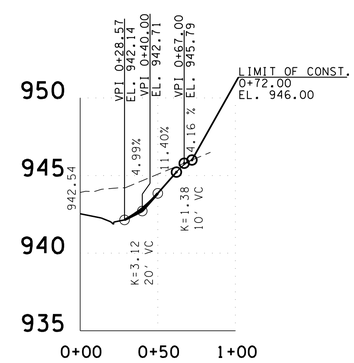
10' PVT. DR. RT. 201+88.12
TRACT NO. 56

MASSACHUSETTS AVE.



12' PVT. DR. RT. 202+30.27
TRACT NO. 55 & 56

MASSACHUSETTS AVE.



10' PVT. DR. RT. 202+63.61
TRACT NO. 55

MASSACHUSETTS AVE.

CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF
PRIVATE
DRIVES

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

5/4/2016 10:35:33 AM
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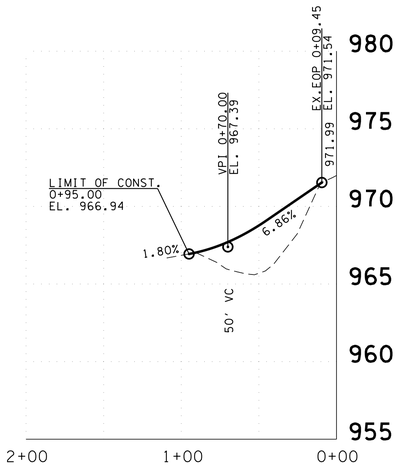
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	24
CONST.	2016	HPP/STP/NH-62(34)	24

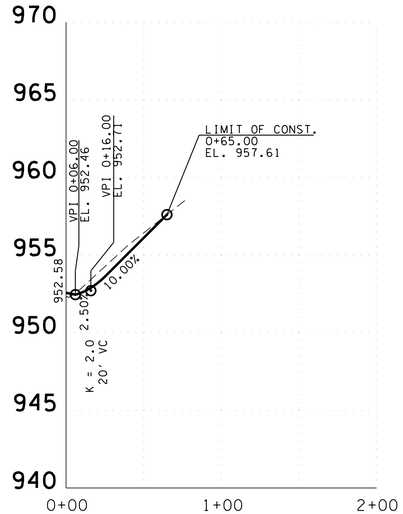
REV. 10-10-12: REVISED SHEET NO. REVISED PROFILES FOR TR. NO'.S 43 AND 53.

REV. 09-13-13: DELETED PROFILES FOR TR. NO.'S 52 AND 53.



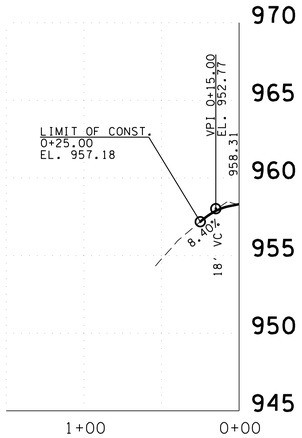
10' PVT. DR. LT. 5+75.00
TRACT NO. 42

HAWKINS STREET



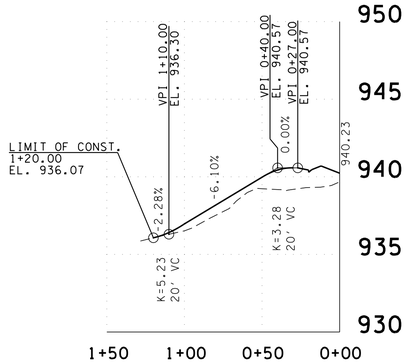
16' PVT. DR. RT. 2+56.22
TRACT NO. 43

ALLEY RT. 209+17.35
MASSACHUSETTS AVE.



10' PVT. DR. LT. 3+23.57
TRACT NO. 22

ALLEY RT. 209+17.35
MASSACHUSETTS AVE.



15' BUS. ENT. LT. 211+21.03
TRACT NO. 15

MASSACHUSETTS AVE.

CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF
PRIVATE
DRIVES

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

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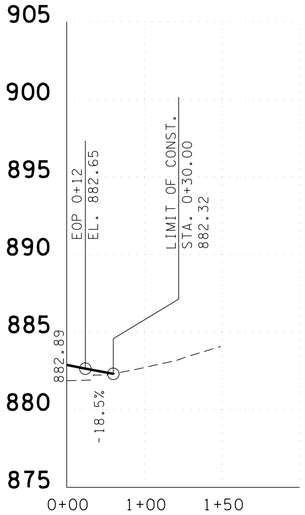
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

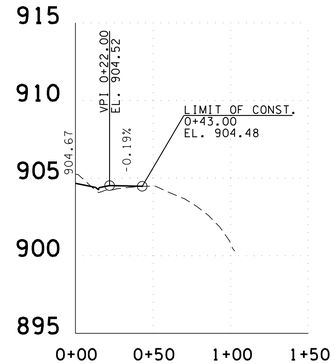
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	25
CONST.	2016	HPP/STP/NH-62(34)	25

REV. 10-10-12: REVISED SHEET NO. DELETED BUS. ENT.'S STA.17+21.16 AND 1+33.29 TO TR. NO. 102. ADDED 30' BUS. ENT. RT. 71+02.62 TENN. AVE. TR. NO. 35. AND 40' BUS. ENT. RT. 1+07.67 OLD KEITH AVE. TR. NO. 115.



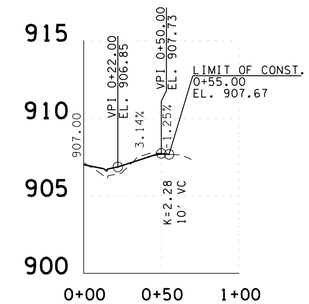
40' BUS. ENT. RT. 1+07.69
TRACT NO. 115

OLD KEITH AVE.



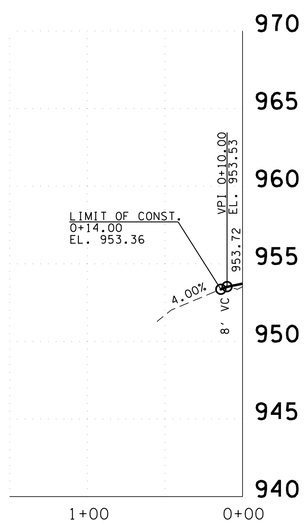
10' BUS. ENT. RT. 51+52.63
TRACT NO. 85

VIRGINIA AVE.



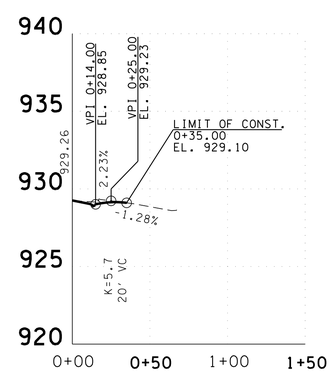
10' BUS. ENT. RT. 52+00.00
TRACT NO. 84

VIRGINIA AVE.



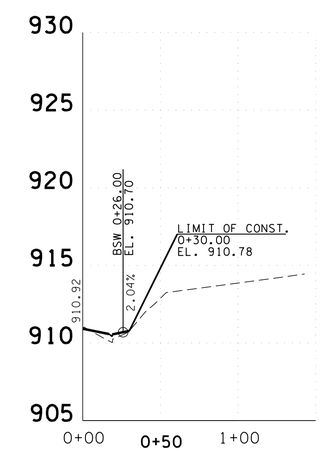
10' PVT. DR. LT. 2+70.00
TRACT NO. 23

ALLEY RT. 209+17.35
MASSACHUSETTS AVE.



12' PVT. DR. RT. 42+26.46
TRACT NO. 70

VERMONT AVE.



30' BUS. ENT. RT. 71+01.62
TRACT NO. 35

TENNESSEE AVE.

CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF
PRIVATE
DRIVES

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

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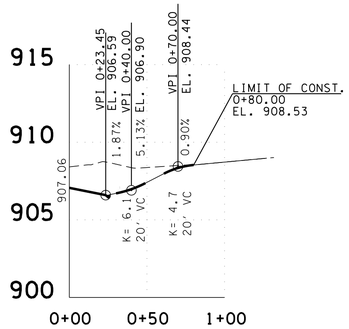
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	26
CONST.	2016	HPP/STP/NH-62(34)	26

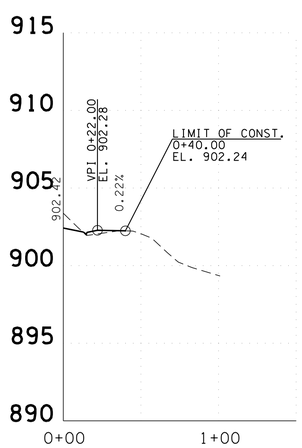
REV. 10-10-12: REVISED SHEET NO. DELETED PROFILE FOR TR. NO.S' 90, 91 AND 133. REVISES PROFILES FOR TR. NO. 92.

REV. 11-13-13: DELETED PROFILES KEITH AVE. STA. 66+25.72 AND STA. 66+88.37 AND ADDED PROFILE KEITH STA. 66+83.37.



26' BUS. ENT. RT. 66+83.37
TRACT NO. 92

KEITH AVE.



30' BUS. ENT. RT. 50+85.36
TRACT NO. 86

VIRGINIA AVE.

CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF
PRIVATE
DRIVES

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

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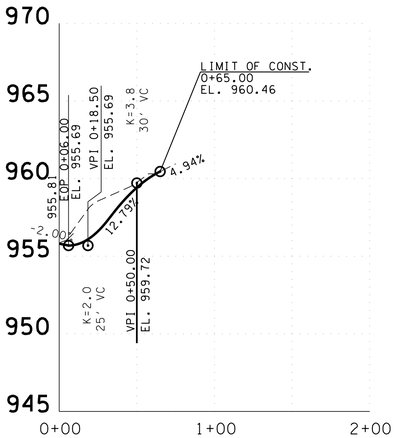
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	27
CONST.	2016	HPP/STP/NH-62(34)	27

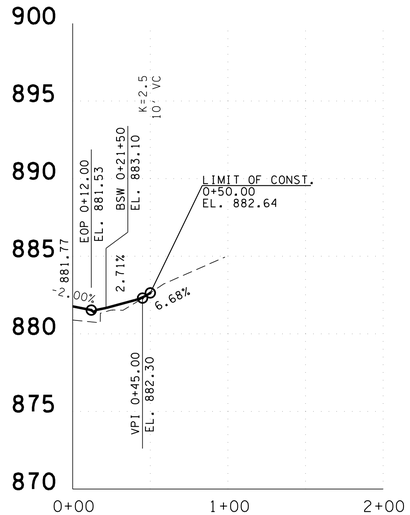
REV. 10-10-12: REVISED SHEET NO. ADDED 40' BUS. ENT. LT. OF 85+69.92 WESTERN AVE. TR. NO. 115. DELETED BUS. ENT. LT. STA. 19+82.47 WESTERN AVE. ADDED 10' PVT. DR. RT. 2+60.03 OLD KEITH AVE. TR. NO. 148 AND 10' PVT. DR. LT. 309+61.53 KIETH AVE. (WEST) TR. NO. 149. DELETED PROFILE FOR TR. NO. 94.

REV. 09-13-13: RELOCATED BUS. ENT. FOR TR. NO. 115, CHANGED TO 50' AND REV. PROFILE ACCORDINGLY. ADDED PROFILE FOR TR. NO. 146.



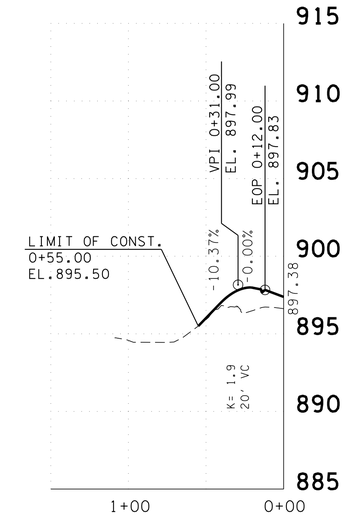
10' PVT. DR. RT. 2+95.00
TRACT NO. 135

ALLEY RT. 209+17.35
MASSACHUSETTS AVE.



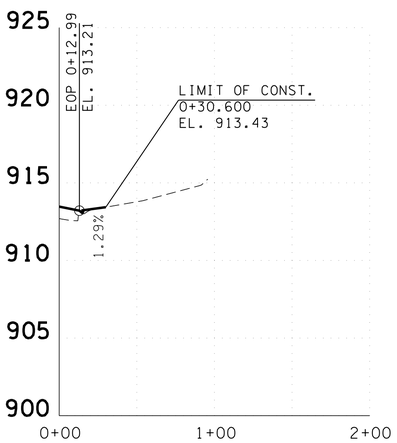
50' BUS. ENT. RT. 85+74.82
TRACT NO. 115

WESTERN AVE.



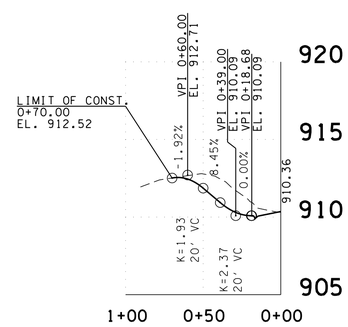
10' PVT. DR. LT. 309+61.53
TRACT NO. 149

KEITH AVE. (WEST)



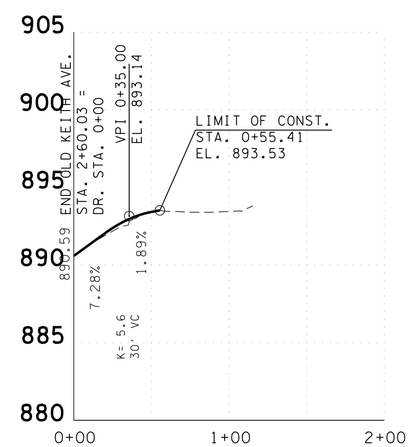
10' PVT. DR. RT. 67+96.69
TRACT NO. 146

KEITH AVE.



10' PVT. DR. LT. 1+94.56
TRACT NO. 136

MISSISSIPPI AVE.



10' PVT. DR. RT. 2+60.03
TRACT NO. 148

OLD KEITH AVE.

CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF
PRIVATE
DRIVES

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

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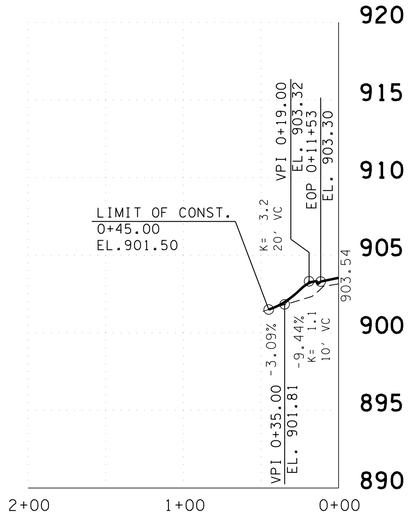
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

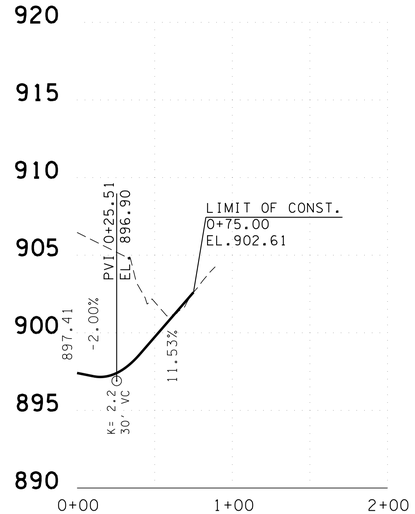
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	28
CONST.	2016	HPP/STP/NH-62(34)	28

REV. 10-10-12: ADDED SHEET TO PLANS.



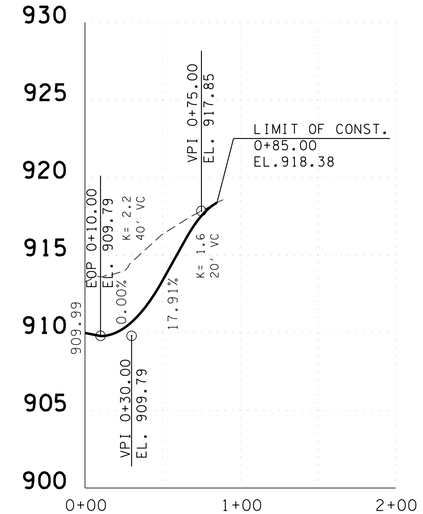
32' BUS. ENT. LT. 94+58.72
TRACT NO. 162

STRECHI ST.



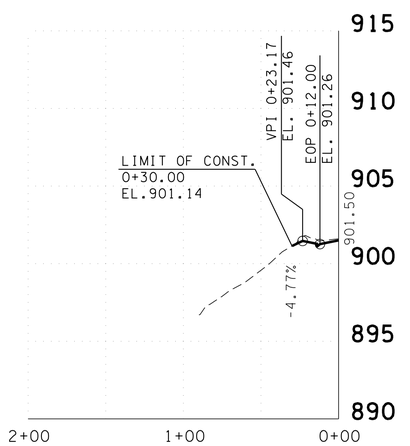
10' PVT. DR. RT. 0+50.01
TRACT NO. 163

ALLEY RT.
KEITH AVE. STA. 310+50.00



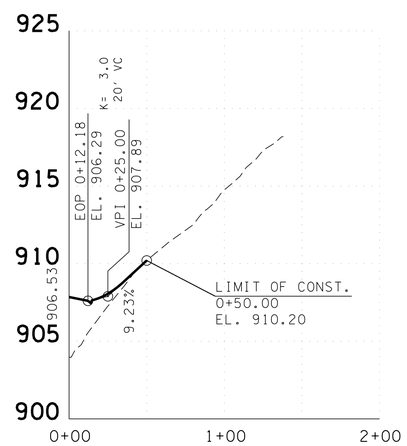
10' PVT. DR. RT. 1+17.67
TRACT NO. 165

ALLEY RT.
KEITH AVE. STA. 310+50.00



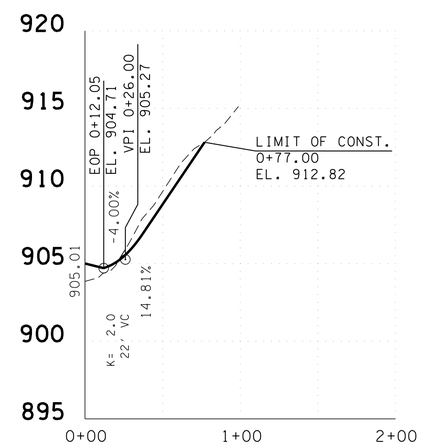
10' COMMON DR. LT. 308+66.26
TRACT NO. 150 AND 151

KEITH AVE. (WEST)



10' CHURCH ENT. RT. 93+61.80
TRACT NO. 157

STRECHI ST.



10' PVT. DR. RT. 94+27.06
TRACT NO. 160

STRECHI ST.

CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF
PRIVATE
DRIVES

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

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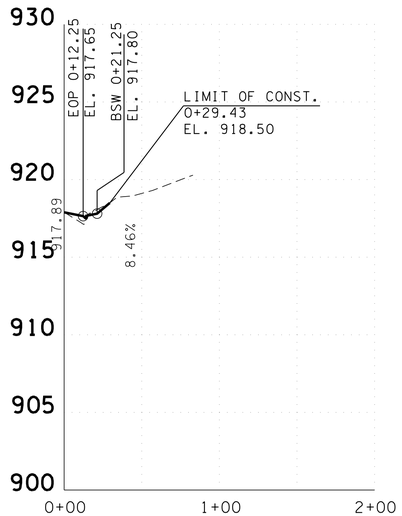
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

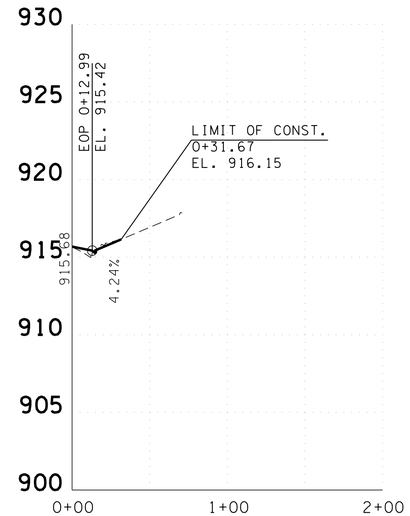
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	29
CONST.	2016	HPP/STP/NH-62(34)	29

REV. 10-10-12: ADDED SHEET TO PLANS.



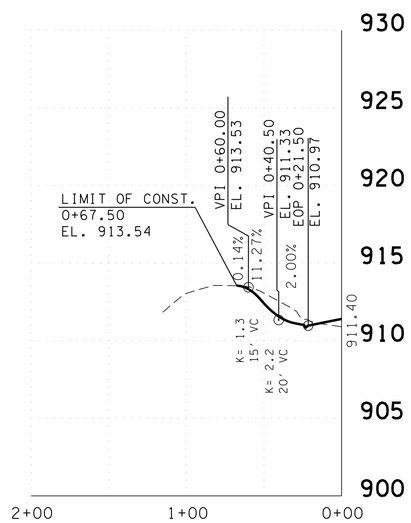
10' PVT. DR. RT. 68+96.26
TRACT NO. 144

KEITH AVE.



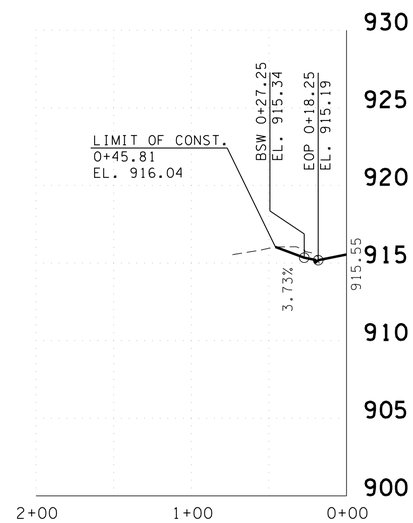
10' PVT. DR. RT. 68+46.98
TRACT NO. 145

KEITH AVE.



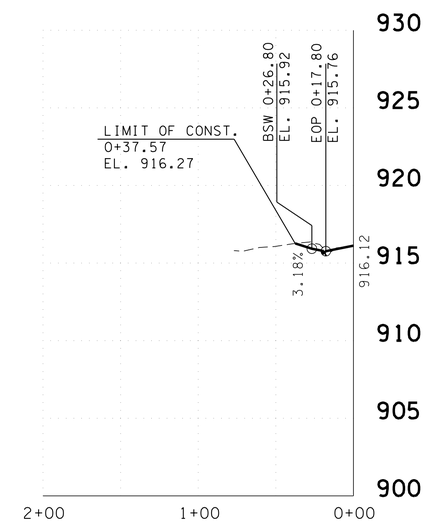
16' PVT. DR. LT. 67+54.49
TRACT NO. 132

KEITH AVE.



10' PVT. DR. LT. 68+44.03
TRACT NO. 142

KEITH AVE.



10' PVT. DR. LT. 68+56.93
TRACT NO. 143

KEITH AVE.

CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF
PRIVATE
DRIVES

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

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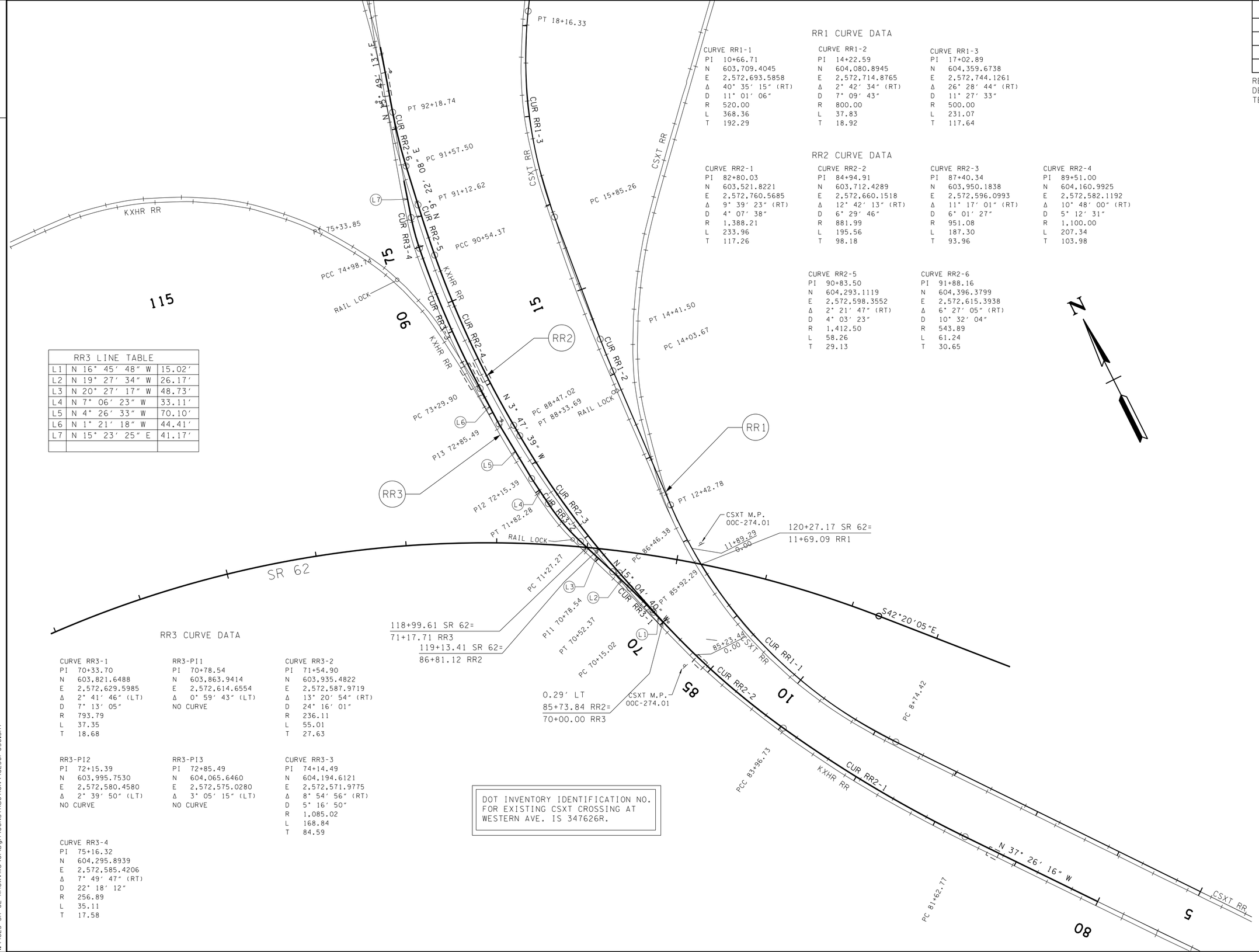
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	30
CONST.	2016	HPP/STP/NH-62(34)	30

REV. 10-10-12: REVISED SHEET NO. DELETED PROP. IMPROVEMENTS TO TENNESSEE AVE. TO WESTERN AVE.



RR1 CURVE DATA

CURVE RR1-1		CURVE RR1-2		CURVE RR1-3	
PI	10+66.71	PI	14+22.59	PI	17+02.89
N	603,709.4045	N	604,080.8945	N	604,359.6738
E	2,572,693.5858	E	2,572,714.8765	E	2,572,744.1261
Δ	40° 35′ 15″ (RT)	Δ	2° 42′ 34″ (RT)	Δ	26° 28′ 44″ (RT)
D	11° 01′ 06″	D	7° 09′ 43″	D	11° 27′ 33″
R	520.00	R	800.00	R	500.00
L	368.36	L	37.83	L	231.07
T	192.29	T	18.92	T	117.64

RR2 CURVE DATA

CURVE RR2-1		CURVE RR2-2		CURVE RR2-3		CURVE RR2-4	
PI	82+80.03	PI	84+94.91	PI	87+40.34	PI	89+51.00
N	603,521.8221	N	603,712.4289	N	603,950.1838	N	604,160.9925
E	2,572,760.5685	E	2,572,660.1518	E	2,572,596.0993	E	2,572,582.1192
Δ	9° 39′ 23″ (RT)	Δ	12° 42′ 13″ (RT)	Δ	11° 17′ 01″ (RT)	Δ	10° 48′ 00″ (RT)
D	4° 07′ 38″	D	6° 29′ 46″	D	6° 01′ 27″	D	5° 12′ 31″
R	1,388.21	R	881.99	R	951.08	R	1,100.00
L	233.96	L	195.56	L	187.30	L	207.34
T	117.26	T	98.18	T	93.96	T	103.98

CURVE RR2-5		CURVE RR2-6	
PI	90+83.50	PI	91+88.16
N	604,293.1119	N	604,396.3799
E	2,572,598.3552	E	2,572,615.3938
Δ	2° 21′ 47″ (RT)	Δ	6° 27′ 05″ (RT)
D	4° 03′ 23″	D	10° 32′ 04″
R	1,412.50	R	543.89
L	58.26	L	61.24
T	29.13	T	30.65

RR3 LINE TABLE

L1	N 16° 45′ 48″ W	15.02′
L2	N 19° 27′ 34″ W	26.17′
L3	N 20° 27′ 17″ W	48.73′
L4	N 7° 06′ 23″ W	33.11′
L5	N 4° 26′ 33″ W	70.10′
L6	N 1° 21′ 18″ W	44.41′
L7	N 15° 23′ 25″ E	41.17′

RR3 CURVE DATA

CURVE RR3-1		RR3-PI1		CURVE RR3-2	
PI	70+33.70	PI	70+78.54	PI	71+54.90
N	603,821.6488	N	603,863.9414	N	603,935.4822
E	2,572,629.5985	E	2,572,614.6554	E	2,572,587.9719
Δ	2° 41′ 46″ (LT)	Δ	0° 59′ 43″ (LT)	Δ	13° 20′ 54″ (RT)
D	7° 13′ 05″	NO CURVE		D	24° 16′ 01″
R	793.79			R	236.11
L	37.35			L	55.01
T	18.68			T	27.63

RR3-PI2		RR3-PI3		CURVE RR3-3	
PI	72+15.39	PI	72+85.49	PI	74+14.49
N	603,995.7530	N	604,065.6460	N	604,194.6121
E	2,572,580.4580	E	2,572,575.0280	E	2,572,571.9775
Δ	2° 39′ 50″ (LT)	Δ	3° 05′ 15″ (LT)	Δ	8° 54′ 56″ (RT)
NO CURVE		NO CURVE		D	5° 16′ 50″
				R	1,085.02
				L	168.84
				T	84.59

CURVE RR3-4	
PI	75+16.32
N	604,295.8939
E	2,572,585.4206
Δ	7° 49′ 47″ (RT)
D	22° 18′ 12″
R	256.89
L	35.11
T	17.58

DOT INVENTORY IDENTIFICATION NO. FOR EXISTING CSXT CROSSING AT WESTERN AVE. IS 347626R.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RAILROAD GEOMETRIC LAYOUT

SCALE: 1"= 50'

5/4/2016 10:35:34 AM
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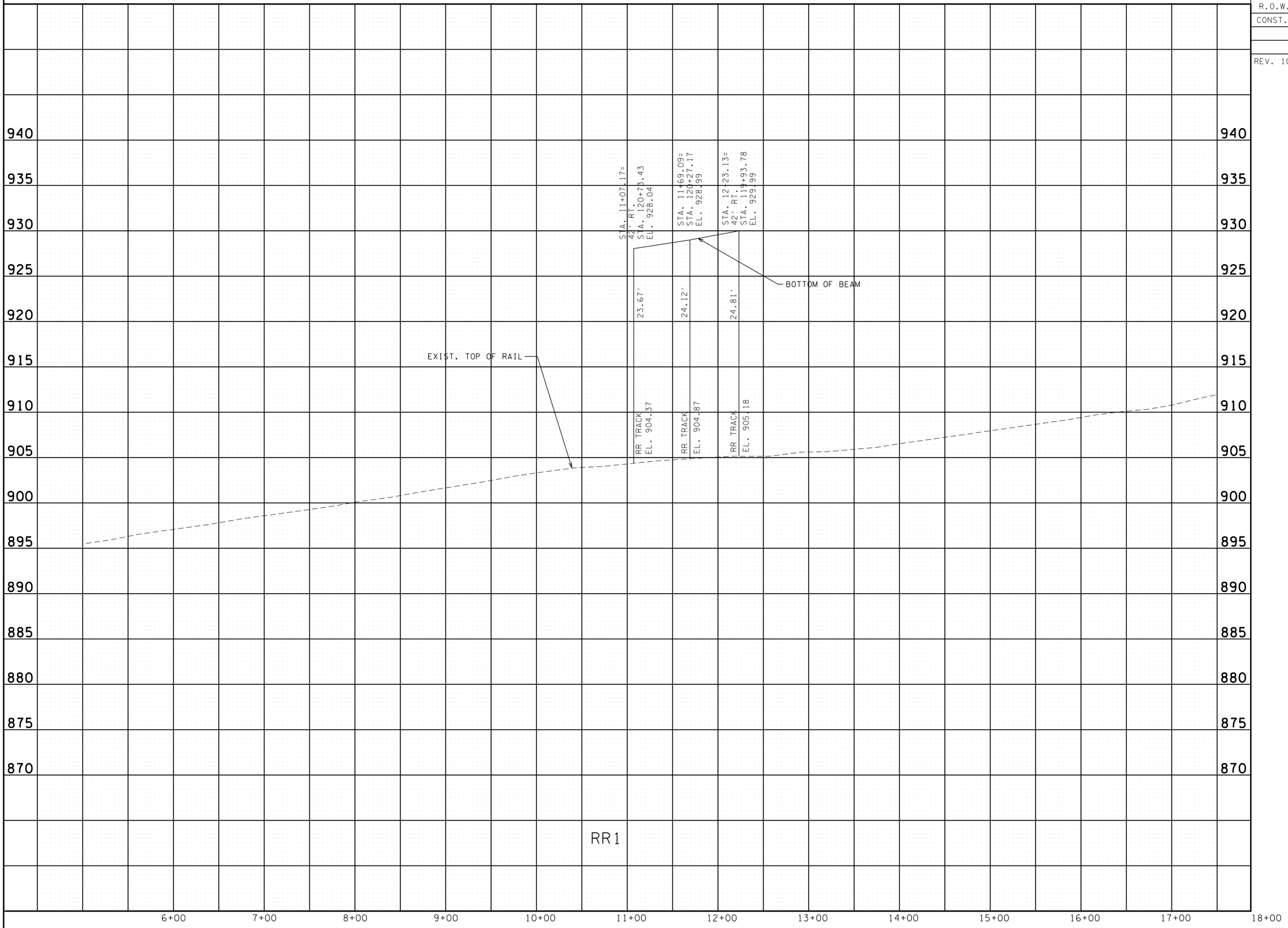
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	30A
CONST.	2016	HPP/STP/NH-62(34)	30A

REV. 10-10-12: REVISED SHEET NO.



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

RAILROAD (RR1)

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

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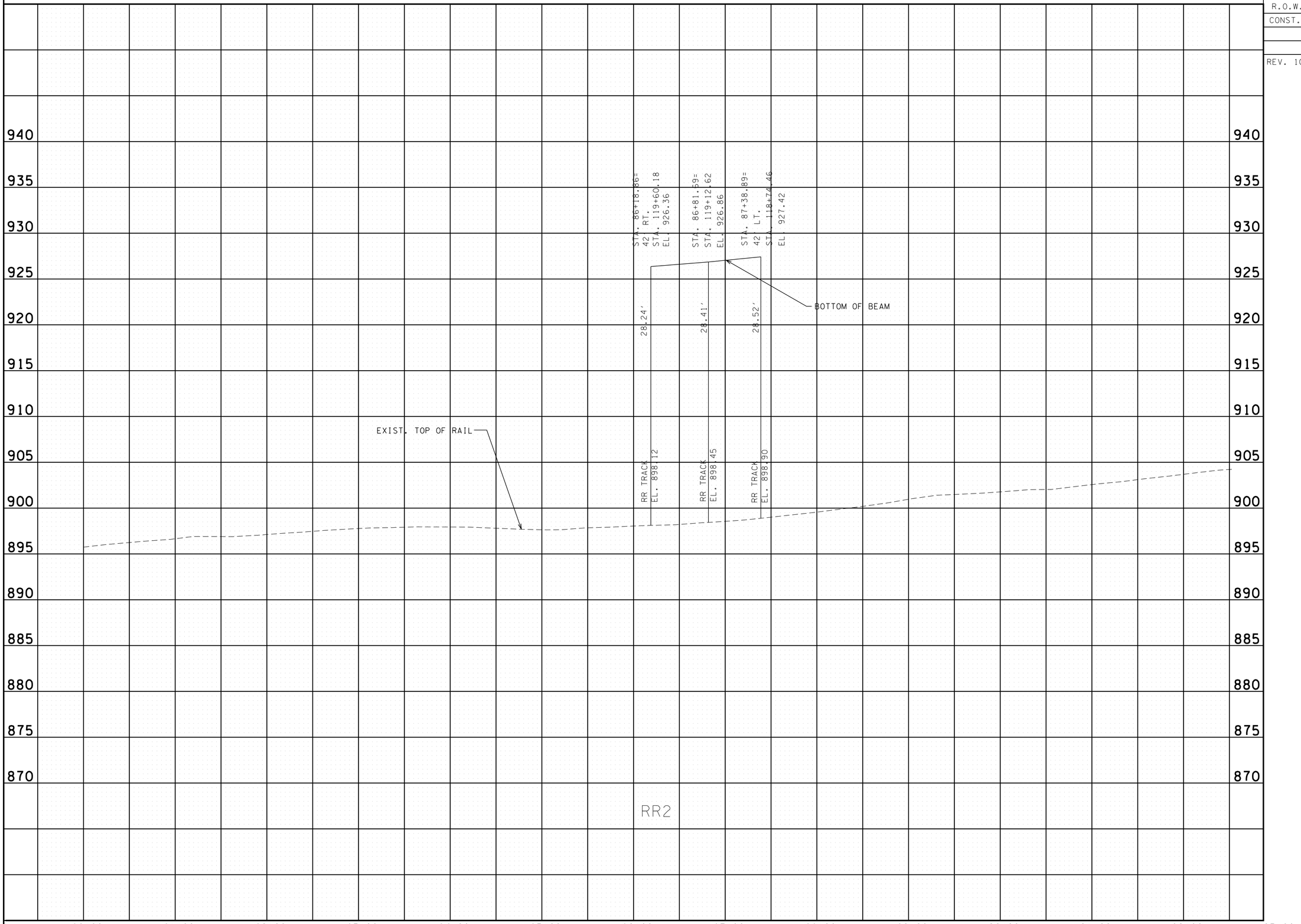
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	30B
CONST.	2016	HPP/STP/NH-62(34)	30B

REV. 10-10-12: REVISED SHEET NO.



CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

RAILROAD (RR2)

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

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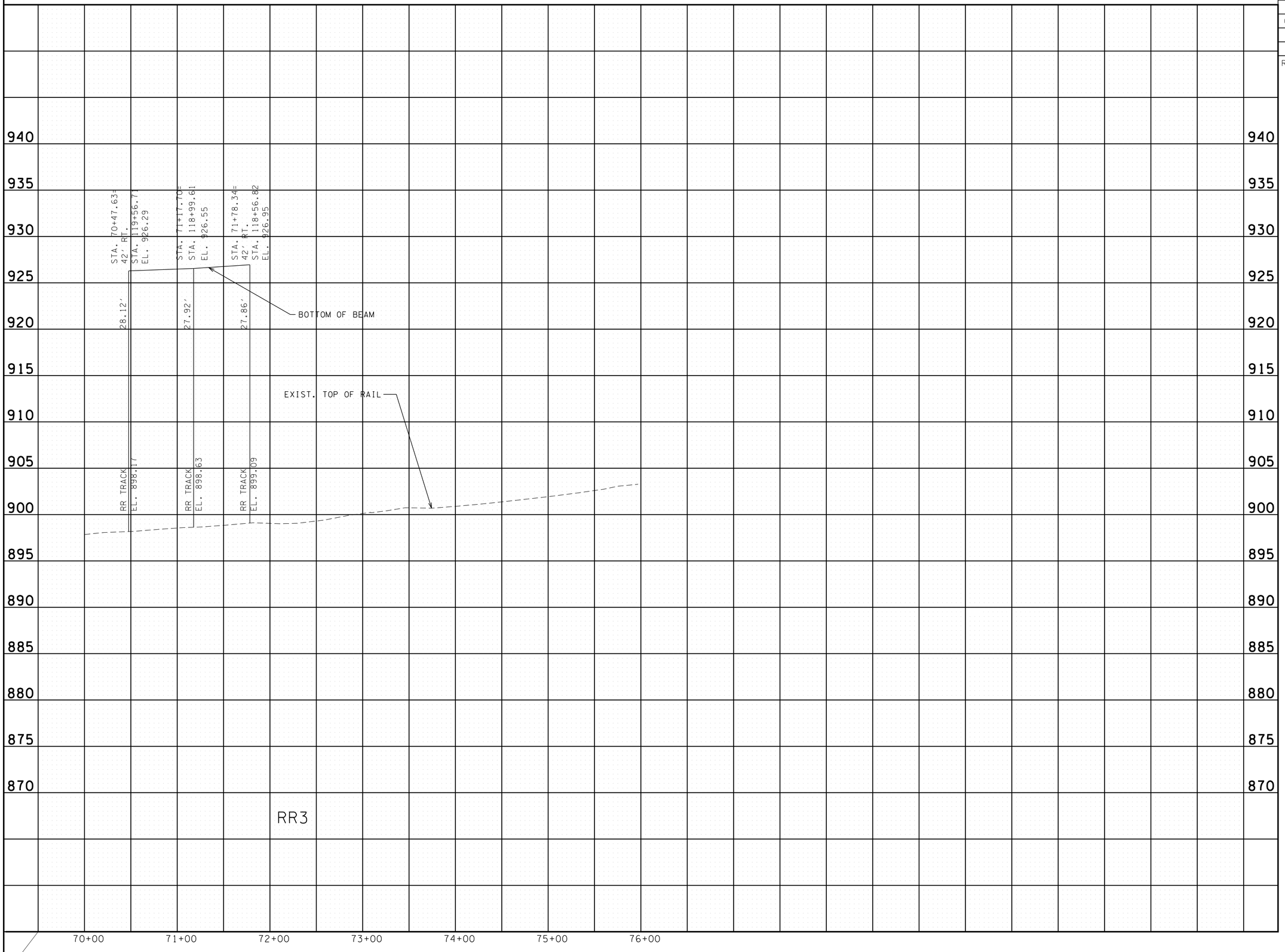

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	30C
CONST.	2016	HPP/STP/NH-62(34)	30C

REV. 10-10-12: REVISED SHEET NO.

CONSTRUCTABILITY
FIELD
REVIEW

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PROFILE

RAILROAD (RR3)

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

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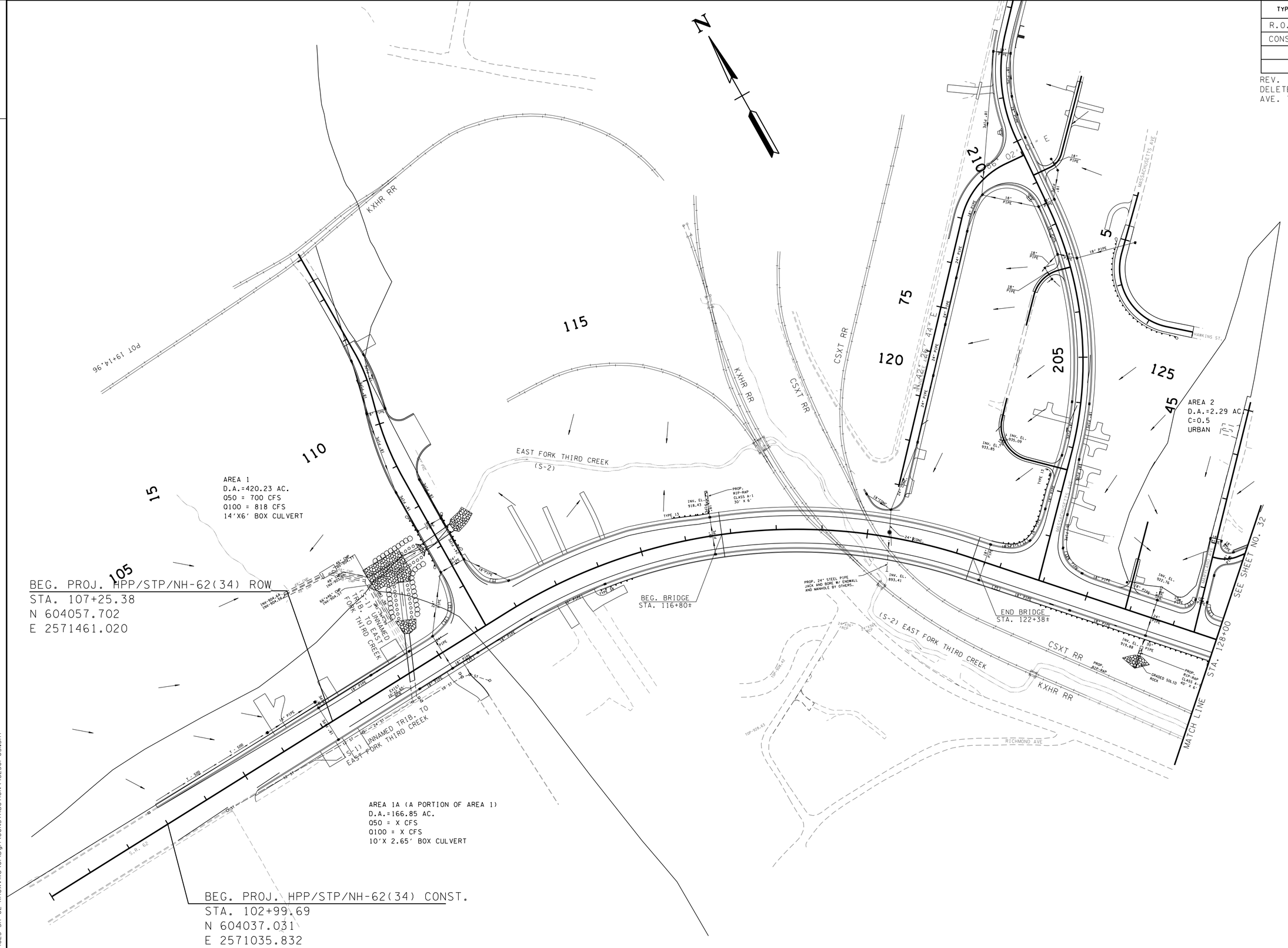
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	31
CONST.	2016	HPP/STP/NH-62(34)	31

REV. 10-10-12:REVISED SHEET NO.
DELETED IMPROVEMENTS TO TENNESSEE AVE. TO WESTERN AVE.



CONSTRUCTABILITY
FIELD
REVIEW

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DRAINAGE MAP

BEG. PROJ TO STA.128+00

SCALE: 1"=100'

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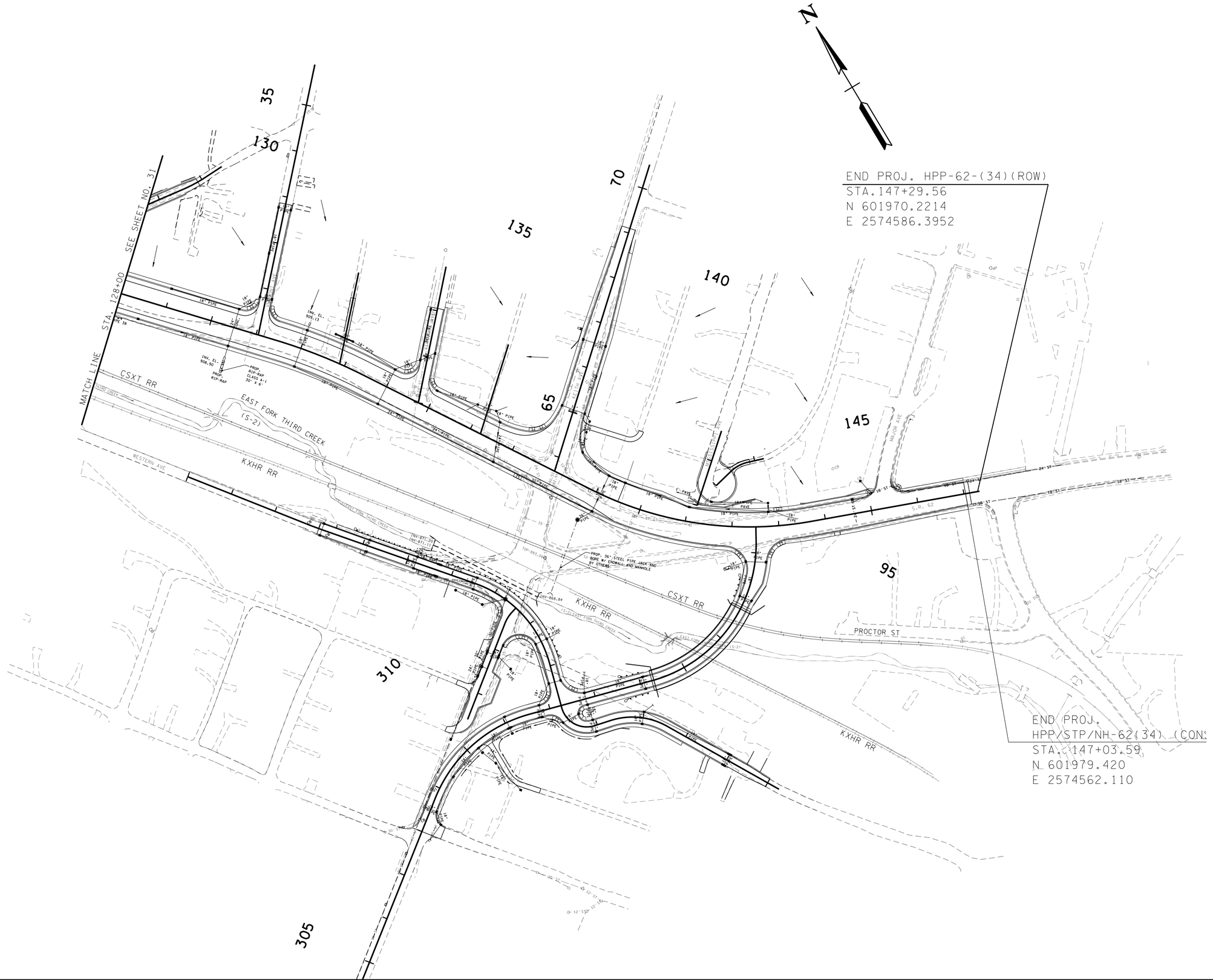
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	32
CONST.	2016	HPP/STP/NH-62(34)	32

REV. 10-10-12:REVISED SHEET NO. ADDED ADDITIONAL SURVEY AND PROPOSED IMPROVEMENTS TO OLD WESTERN AVE., STERCHI ST. AND KEITH AVE.



CONSTRUCTABILITY
FIELD
REVIEW

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DRAINAGE MAP

STA.128+00 TO END PROJ.

SCALE: 1"=100'

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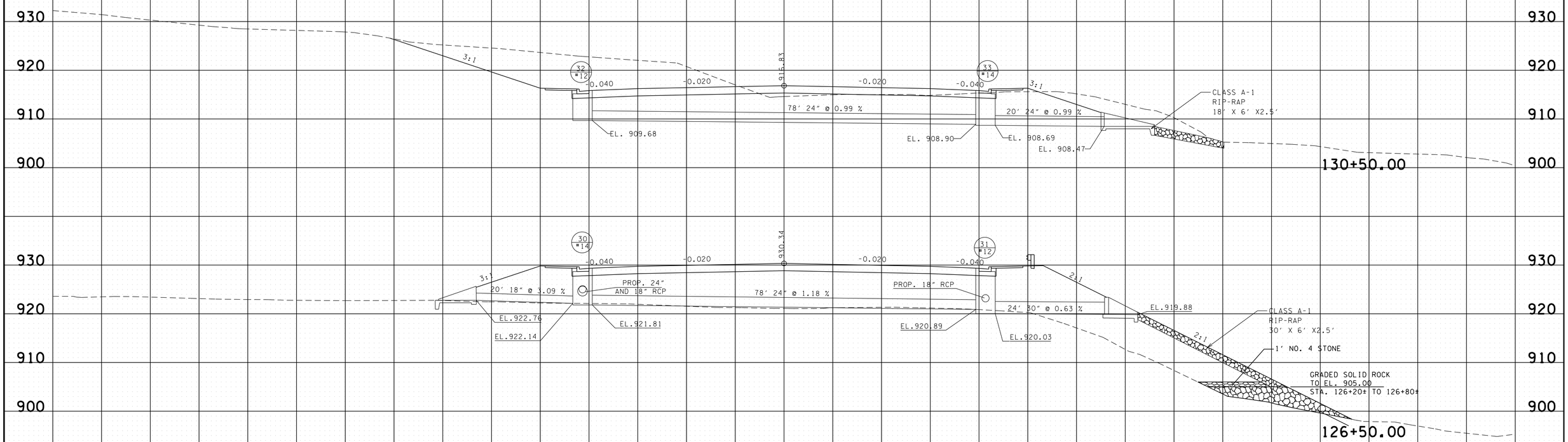
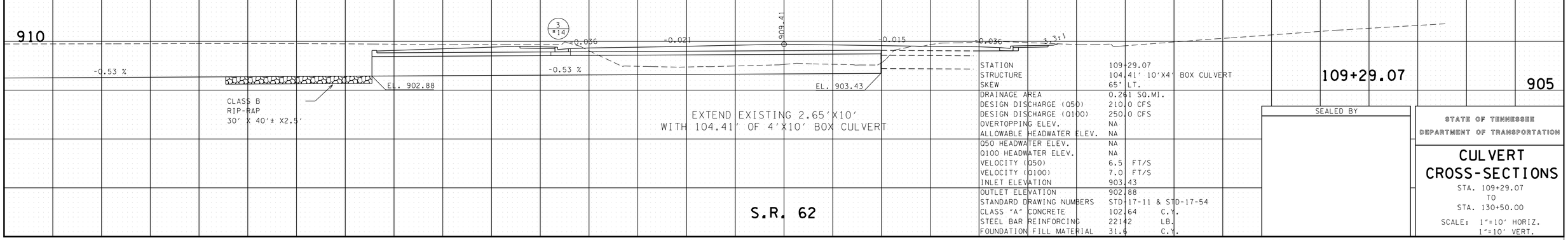
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	33
CONST.	2016	HPP/STP/NH-62(34)	33

REV. 10-10-12: REVISED SHEET NO. ~~ADDED SECTION 130+50.00. REVISED~~ SECTION 109+29.07 AND 126+50.00.



CONSTRUCTABILITY FIELD REVIEW



STATION	109+29.07
STRUCTURE	104.41' 10'X4' BOX CULVERT
SKEW	65° LT.
DRAINAGE AREA	0.261 SQ.MI.
DESIGN DISCHARGE (Q50)	210.0 CFS
DESIGN DISCHARGE (Q100)	250.0 CFS
OVERTOPPING ELEV.	NA
ALLOWABLE HEADWATER ELEV.	NA
Q50 HEADWATER ELEV.	NA
Q100 HEADWATER ELEV.	NA
VELOCITY (Q50)	6.5 FT/S
VELOCITY (Q100)	7.0 FT/S
INLET ELEVATION	903.43
OUTLET ELEVATION	902.88
STANDARD DRAWING NUMBERS	STD-17-11 & STD-17-54
CLASS "A" CONCRETE	102.64 C.Y.
STEEL BAR REINFORCING	22142 LB.
FOUNDATION FILL MATERIAL	31.6 C.Y.

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CULVERT CROSS-SECTIONS

STA. 109+29.07
TO
STA. 130+50.00

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

S.R. 62

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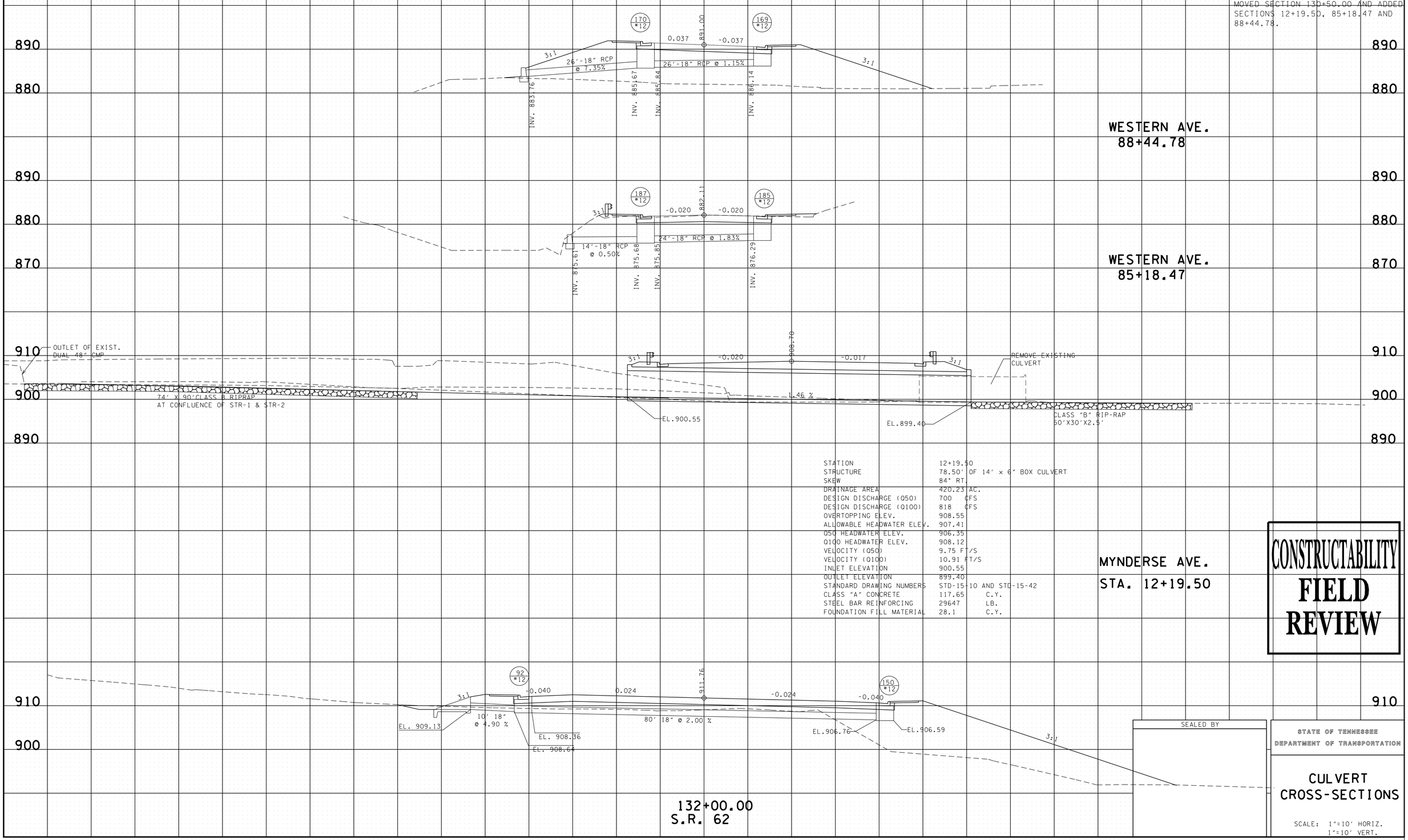
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	34
CONST.	2016	HPP/STP/NH-62(34)	34

REV. 10-10-12: REVISED SHEET NO. MOVED SECTION 130+50.00 AND ADDED SECTIONS 12+19.50, 85+18.47 AND 88+44.78.



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CULVERT CROSS-SECTIONS

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

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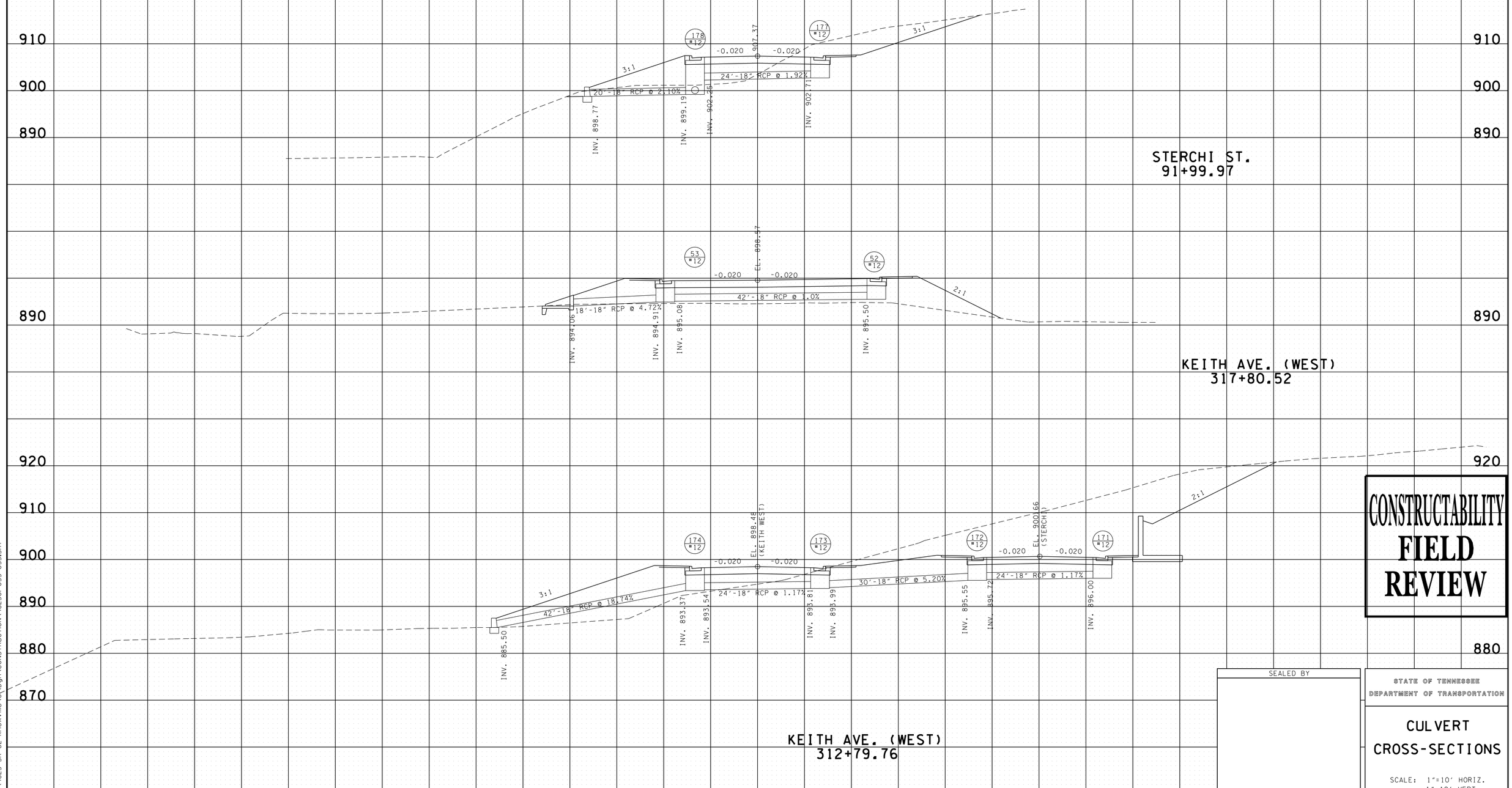
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	35
CONST.	2016	HPP/STP/NH-62(34)	35

REV. 10-10-12: REVISED SHEET NO. MOVED SECTION 12+19.50 AND ADDED SECTIONS 312+79.86, 317+80.50 AND 91+99.97.



CONSTRUCTABILITY FIELD REVIEW

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CULVERT CROSS-SECTIONS

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

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EROSION PREVENTION AND SEDIMENT CONTROL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	36
CONST.	2016	HPP/STP/NH-62(34)	36

REV. 10-10-12: REVISED SHEET NO.

STREAM/WETLAND

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

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

KNOWN EXCEPTIONAL TENNESSEE WATERS

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

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

NPDES

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

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

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

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

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

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

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

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

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

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

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

UTILITY RELOCATION

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

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

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

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

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

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

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

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

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

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

LITTER, DEBRIS, WASTE, PETROLEUM

(22) THE CONTRACTOR SHALL MAINTAIN A COMPLETE AND COMPREHENSIVE EROSION PREVENTION AND SEDIMENT CONTROL PLAN TO PREVENT ROADWAY AND/OR CONSTRUCTION SEDIMENT OR DEBRIS AND ANY PETROLEUM BASED PRODUCTS OR CHLORINATED SOLVENTS, PAINTS OR COATINGS ETC. FROM FALLING ONTO THE RAILROAD'S RIGHTS-OF-WAY AND/OR FROM ENTERING THE DRAINAGE DITCHES OR DRAINAGE STRUCTURES OF THE RAILROAD, AND ANY SEDIMENT OR DEBRIS OR PETROLEUM BASED PRODUCTS OR CHLORINATED SOLVENTS, ETC. THAT DO ENTER SUCH DRAINAGE AREAS OF THE RAILROAD'S RIGHTS-OF-WAY ARE TO BE REMOVED IN ACCORDANCE WITH RULES SET FORTH BY CSX RAILROAD AND KXHR RAILROAD AND AT THE CONTRACTOR'S EXPENSE.

STREAM RELOCATION

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

CONSTRUCTABILITY FIELD REVIEW

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DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

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

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

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

SPECIAL NOTES

(24) OPERATION OF MOTERIZED EQUIPMENT IN EAST FORK THIRD CREEK (STR-2) IS PROHIBITED

(25) ANY TEMPORARY CROSSINGS OF EAST FORK THIRD CREEK (STR-2) REQUIRED DURING PROJECT CONSTRUCTION WILLL BE ACCOMPLISHED ACCORDING TO TDOT STANDARD SPECIFICATIONS.

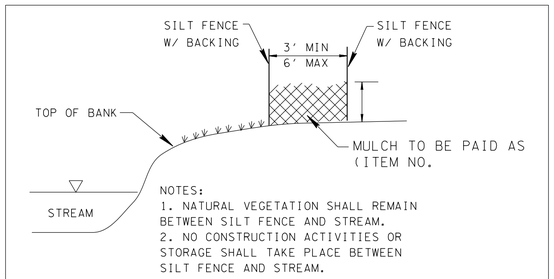
(26) REMOVAL OF EXISTING STRUCTURE ON TENNESSEE AVENUE OVER EAST FORK THIRD CREEK (STR-2) IS TO BE ACCOMPLISHED IN SUCH A WAY THAT DISTURBANCE OF THE STREAM CHANNEL IS KEPT TO A MINIMUM. ONCE THE STRUCTURE IS REMOVED, THE CHANNEL AND BANKS ARE TO BE RESHAPED TO APPROXIMATE THOSE OF THE EXISTING UP AND DOWNSTREAM OF THIS LOCATION. THE RESHAPED BANKS ARE TO BE EITHER SEEDED AND MATTED OR SODDED TO STABILIZE THEM AS SOON AS POSSIBLE.

EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
209-02.05	12" TEMPORARY SLOPE DRAIN	L.F.	850
209-02.07	20" TEMPORARY SLOPE DRAIN		380
209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	16590
209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	13420
209-08.07	ROCK CHECK DAM	EACH	11
209-08.08	ENHANCED ROCK CHECK DAM	EACH	42
209-09.01	SANDBAGS	BAG	600
209-09.03	SEDIMENT FILTER BAG (15' X 15')	EACH	4
209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	18
209-10.20	SEDIMENT TRAP WITH ENHANCED ROCK CHECK DAM	EACH	1
209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.	50
209-40.30	CATCH BASIN PROTECTION (TYPE A)	EACH	4
209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	48
209-40.42	CATCH BASIN FILTER ASSEMBLY(TYPE 2)	EACH	72
209-40.43	CATCH BASIN FILTER ASSEMBLY(TYPE 3)	EACH	143
209-40.44	CATCH BASIN FILTER ASSEMBLY(TYPE 4)	EACH	12
209-40.46	CATCH BASIN FILTER ASSEMBLY(TYPE 6)	EACH	1
209-40.47	CATCH BASIN FILTER ASSEMBLY(TYPE 7)	EACH	2
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	1520
709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	374
709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	105
709-05.08	MACHINED RIP-RAP (CLASS B)	TON	
740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	800
740-11.03	TEMPORARY SEDIMENT TUBE 18IN (DESCRIPTION)	L.F.	5175
740-11.04	TEMPORARY SEDIMENT TUBE 20IN (DESCRIPTION)	L.F.	1350
303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	87
771-11.88	HAY BALES	EACH	2667

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB	SEDIMENT FILTER BAG	EC-STR-2
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	SEDIMENT TRAP WITH ENHANCED ROCK CHECK DAM	EC-STR-7
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
D	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19
A	CATCH BASIN PROTECTION (TYPE A)	EC-STR-19
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
	TEMPORARY SLOPE DRAIN	EC-STR-27
	SAND BAG BERM	EC-STR-33
	SUSPENDED PIPE DIVERSION	EC-STR-33 EC-STR-33A
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
3	CATCH BASIN FILTER ASSEMBLY (TYPE 3)	EC-STR-43
4	CATCH BASIN FILTER ASSEMBLY (TYPE 4)	EC-STR-44
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
* SFB * SFB * SFB * * SFB * SFB * SFB *	SILT RETENTION BARRIER	SEE DETAIL BELOW



NOTES:
1. NATURAL VEGETATION SHALL REMAIN BETWEEN SILT FENCE AND STREAM.
2. NO CONSTRUCTION ACTIVITIES OR STORAGE SHALL TAKE PLACE BETWEEN SILT FENCE AND STREAM.

SILT RETENTION BARRIER

NTS

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	36A
CONST.	2016	HPP/STP/NH-62(34)	36A

REV. 10-10-12: ADDED SHEET TO PLANS.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

5/4/2016 10:37:45 AM
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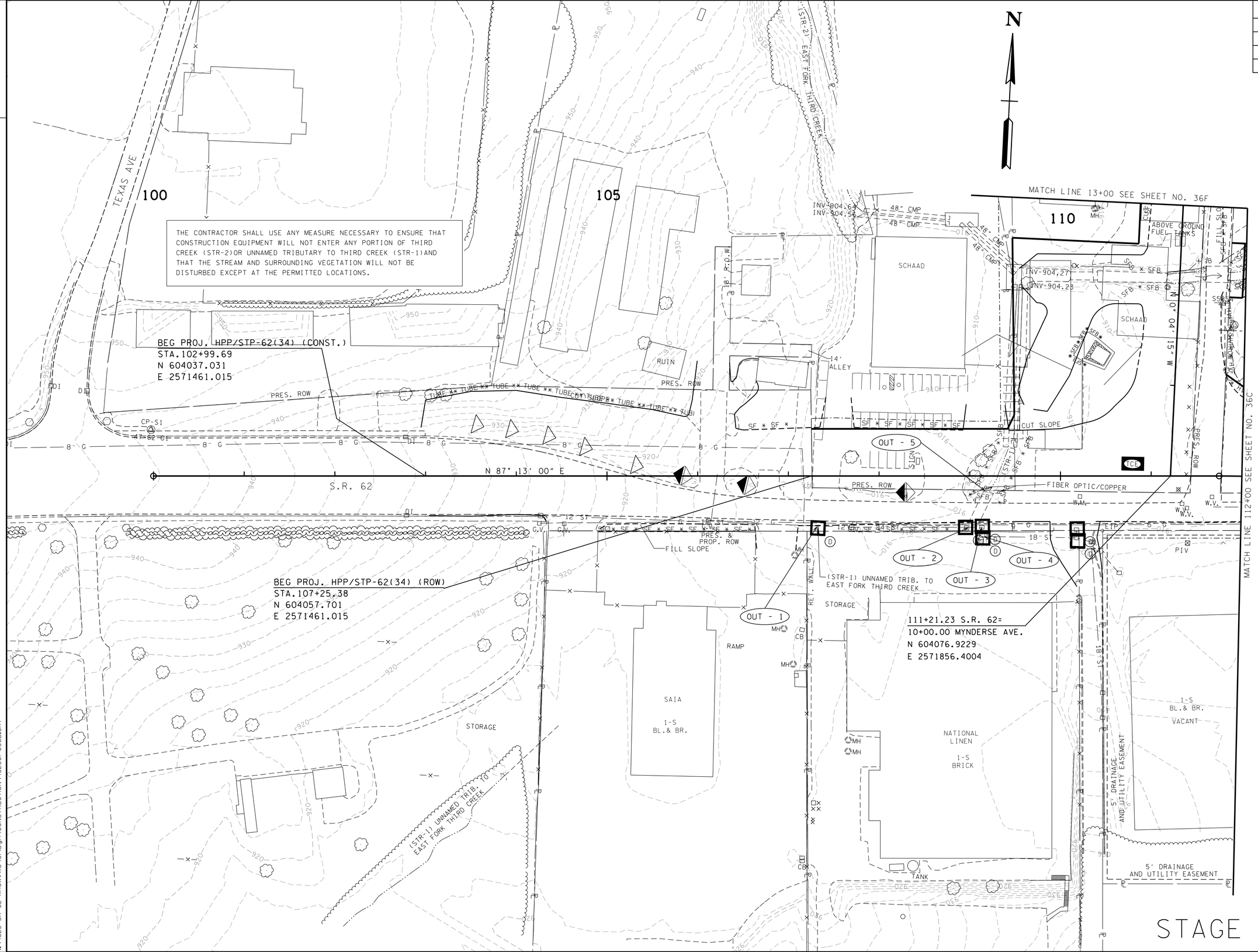
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	36B

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



STAGE 1

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.100+00 TO STA.112+00

SCALE: 1"=50'

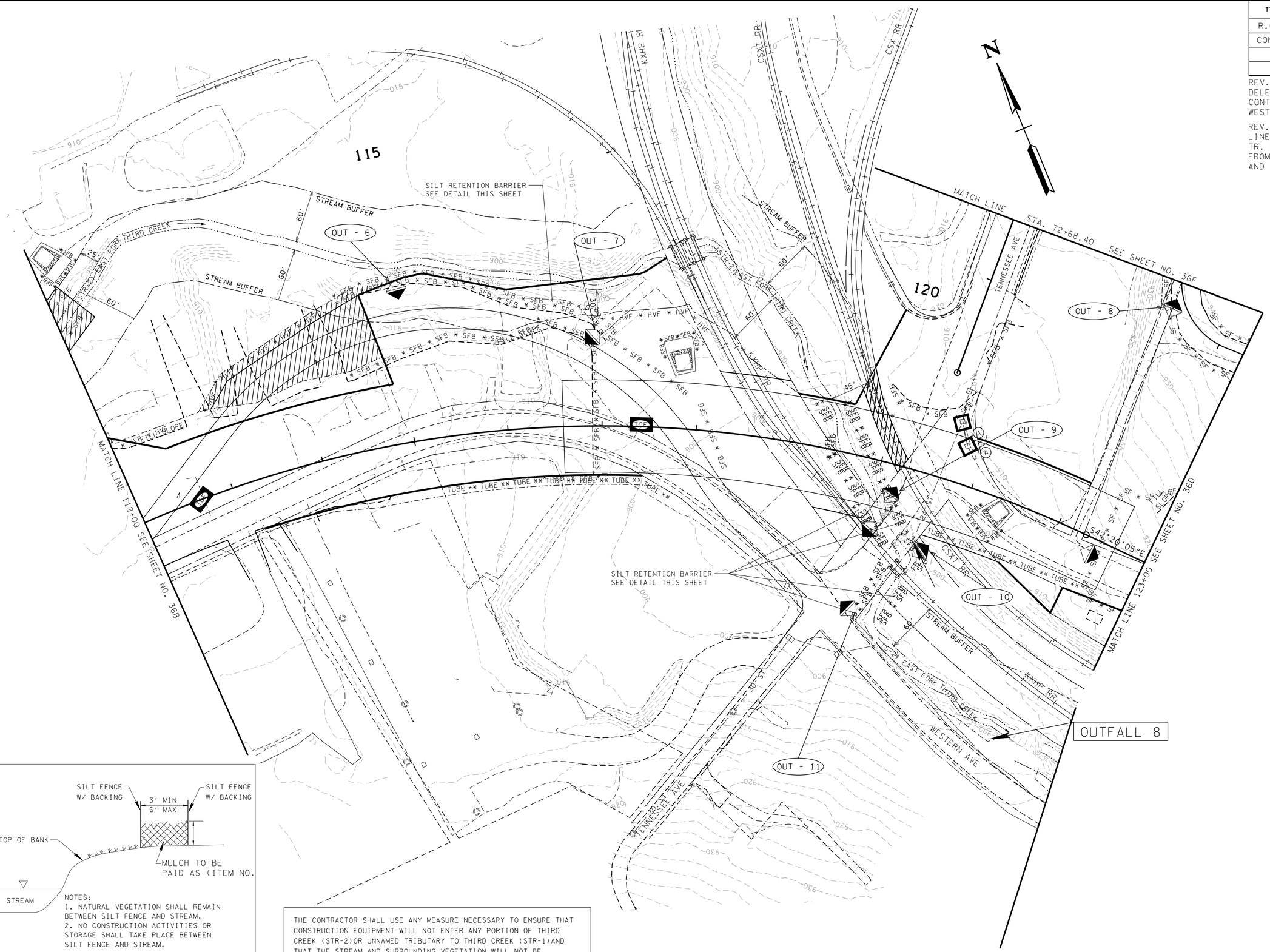
5/4/2016 10:38:22 AM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\48230I-036B.SHT

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	36B
CONST.	2016	HPP/STP/NH-62(34)	36C

REV. 10-10-12: REVISED SHEET NO. DELETED IMPROVEMENTS AND EROSION CONTROL FOR TENNESSEE AVE. TO WESTERN AVE.

REV. 09-13-13: REV. PROPERTY LINE AND PROP. R.O.W. FOR TR. NO. 172. REMOVED PATTERN FROM TR. NO. 12 LT. AND RT. AND TR. NO. 172 RT.



NOTES:
1. NATURAL VEGETATION SHALL REMAIN BETWEEN SILT FENCE AND STREAM.
2. NO CONSTRUCTION ACTIVITIES OR STORAGE SHALL TAKE PLACE BETWEEN SILT FENCE AND STREAM.

SILT RETENTION BARRIER

NTS

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK (STR-2)OR UNNAMED TRIBUTARY TO THIRD CREEK (STR-1)AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

STAGE 1

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.112+00 TO STA.123+00

SCALE: 1"=50'

5/4/2016 10:38:23 AM
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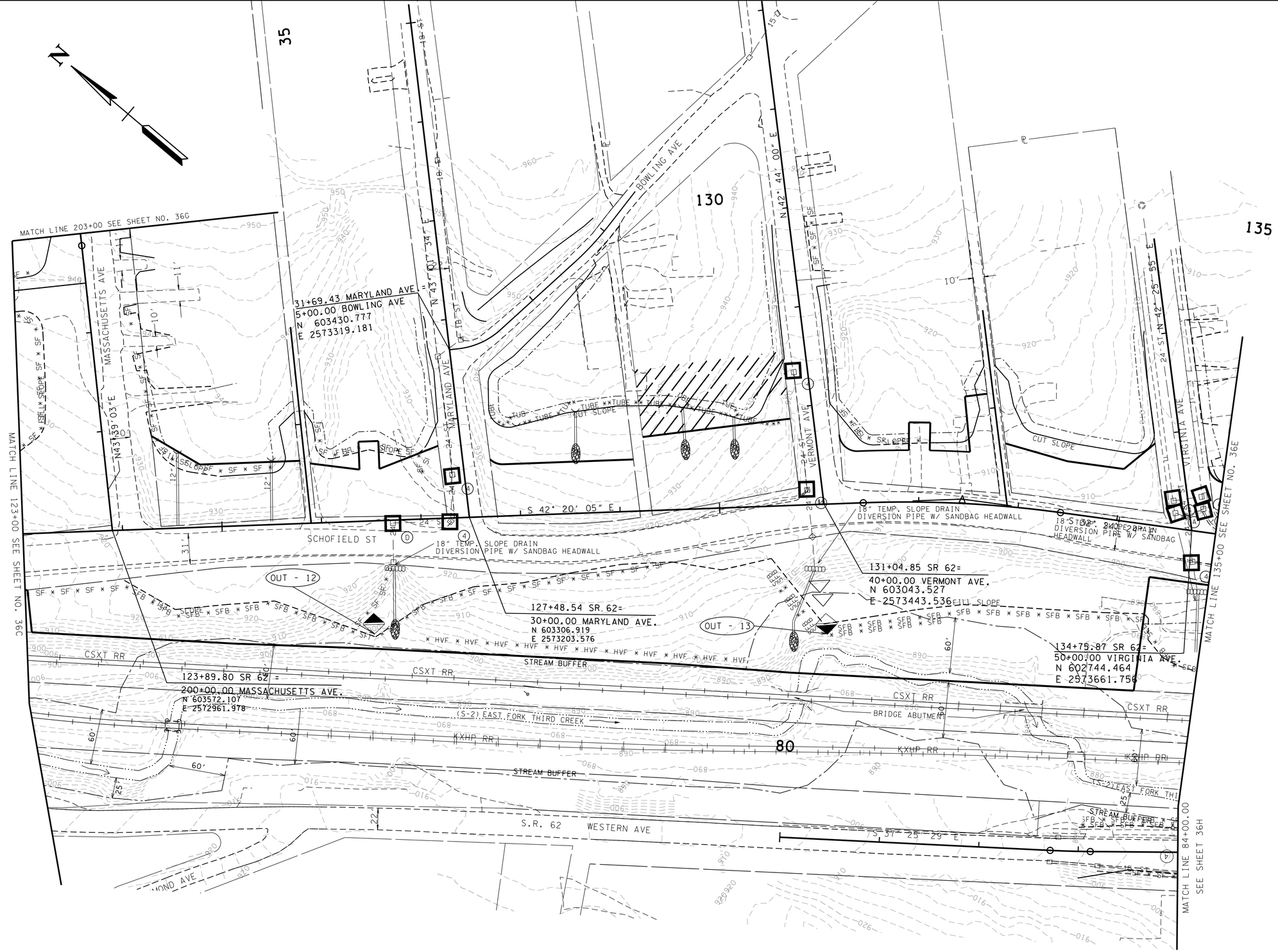
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	36C
CONST.	2016	HPP/STP/NH-62(34)	36D

REV. 10-10-12: REVISED SHEET NO. AND MATCH LINE FOR WESTERN AVE.



THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK (STR-2)OR UNNAMED TRIBUTARY TO THIRD CREEK (STR-1) AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

STAGE 1

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.123+00 TO STA.135+00

SCALE: 1"=50'

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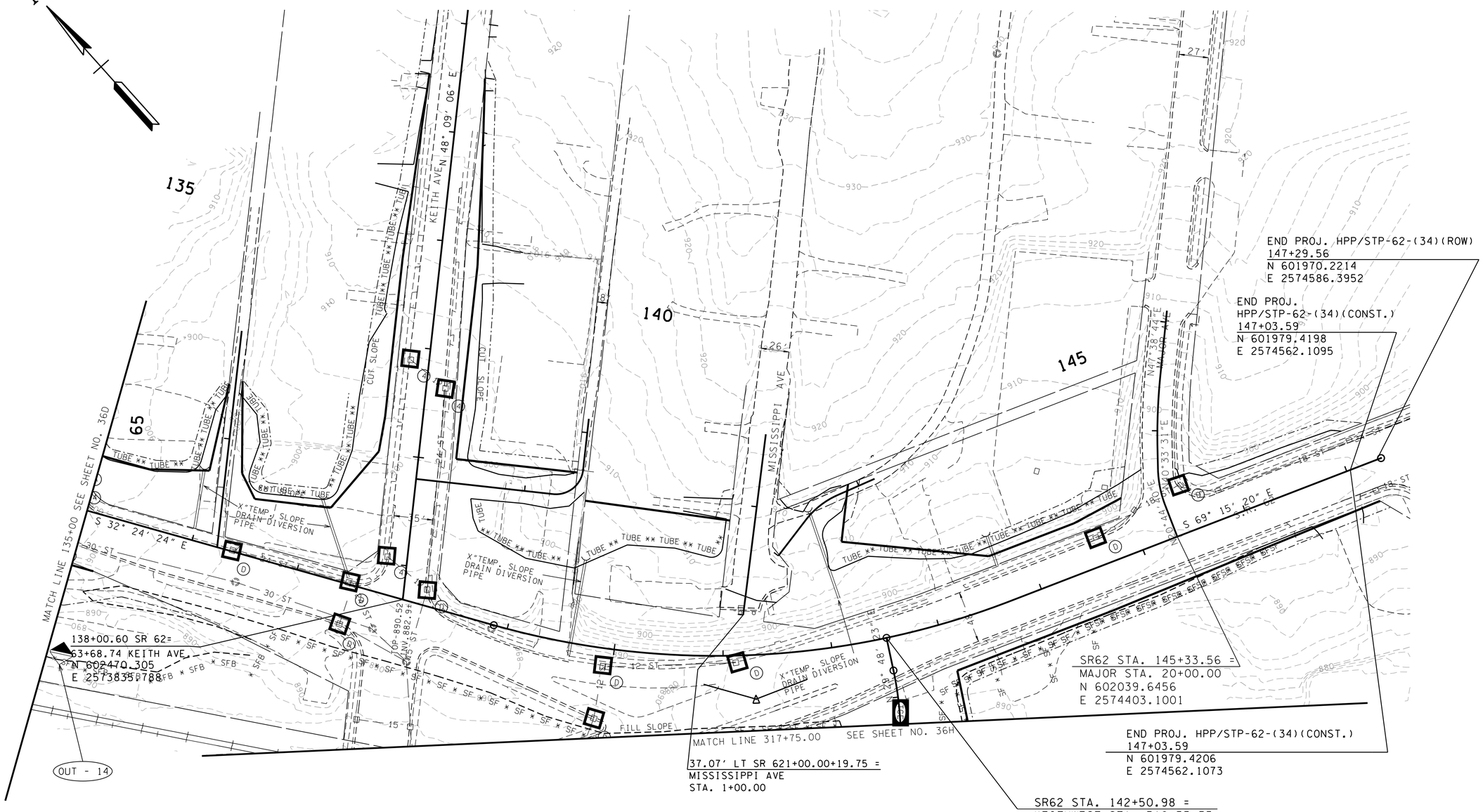
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	36E

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



THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK (SRT-2) OR UNNAMED TRIBUTARY TO THIRD CREEK (SRT-1)AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

STAGE 1

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.135+00 TO STA.147+00

SCALE: 1"=50'

5/4/2016 10:38:26 AM
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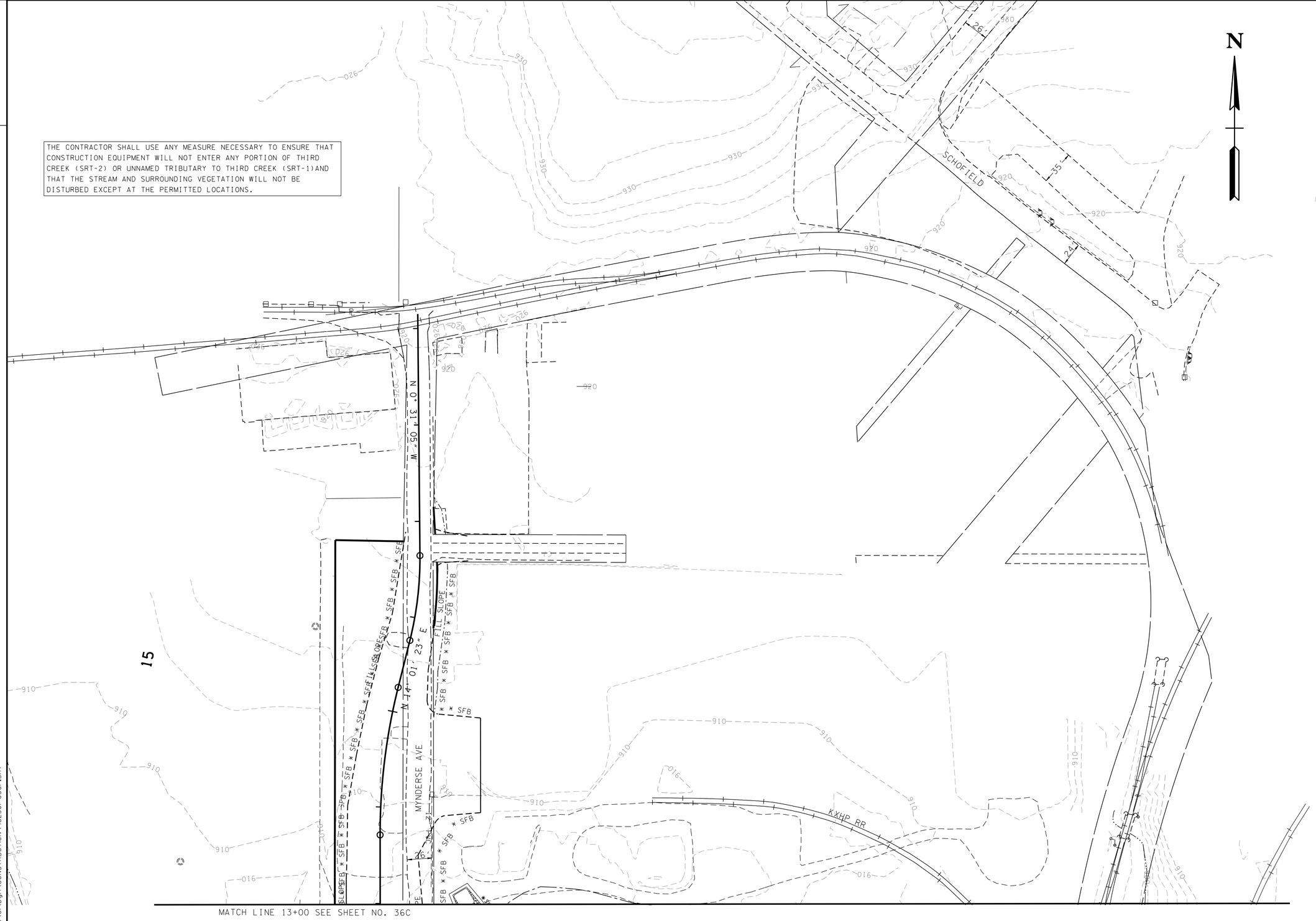
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	36F

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK (SRT-2) OR UNNAMED TRIBUTARY TO THIRD CREEK (SRT-1)AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.



NOTE: CLEARING SHALL BE LIMITED TO 10 FEET OR LESS OUTSIDE OF DISTURBANCE (CUT/FILL LINES).

STAGE 1

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

MYNDERSE AVE.

SCALE: 1"=50'

5/4/2016 10:38:27 AM
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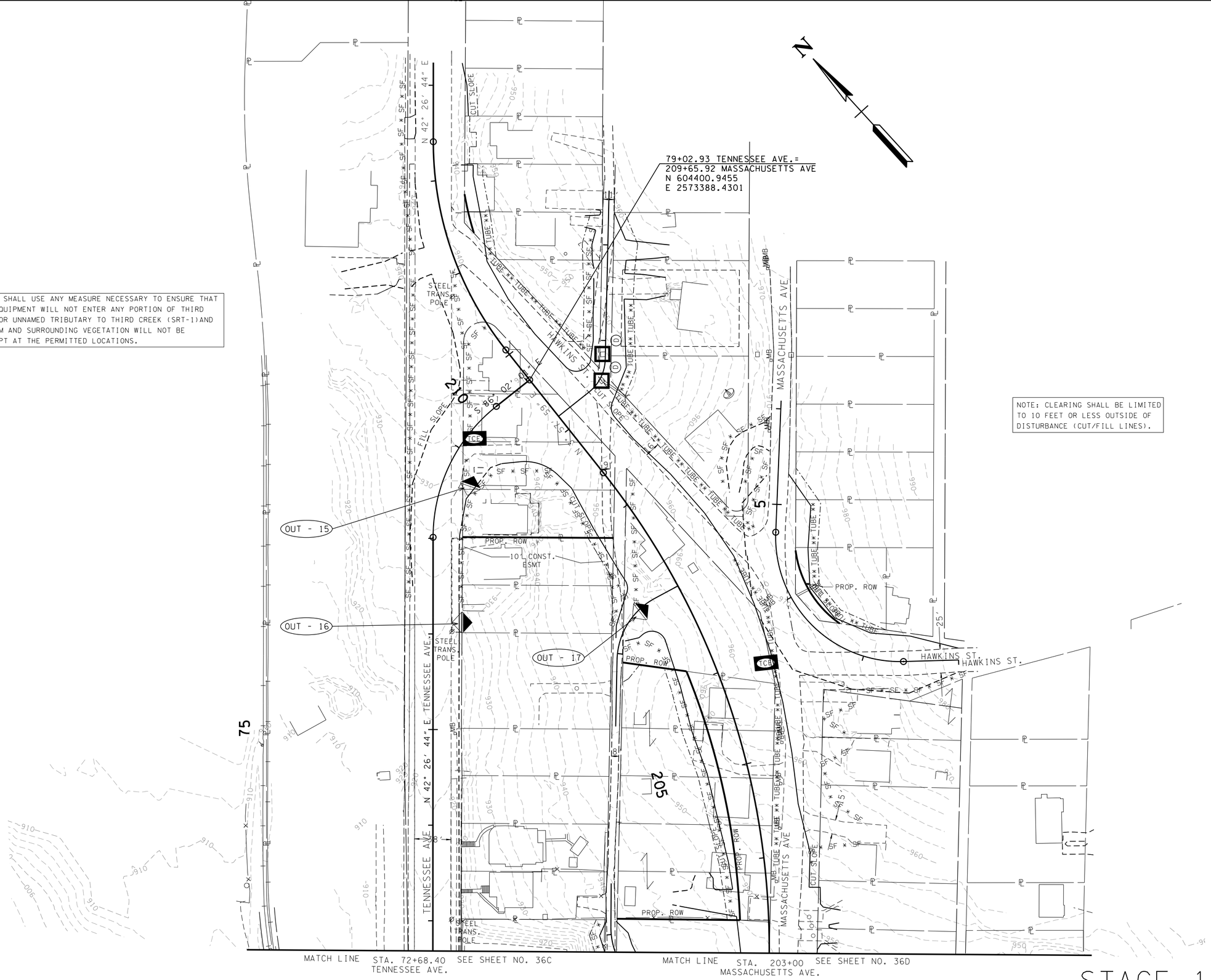
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	36G

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

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK (SRT-2) OR UNNAMED TRIBUTARY TO THIRD CREEK (SRT-1)AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.



NOTE: CLEARING SHALL BE LIMITED TO 10 FEET OR LESS OUTSIDE OF DISTURBANCE (CUT/FILL LINES).

STAGE 1

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

MASSACHUSETTS AVE.

SCALE: 1"=50'

5/4/2016 10:38:27 AM
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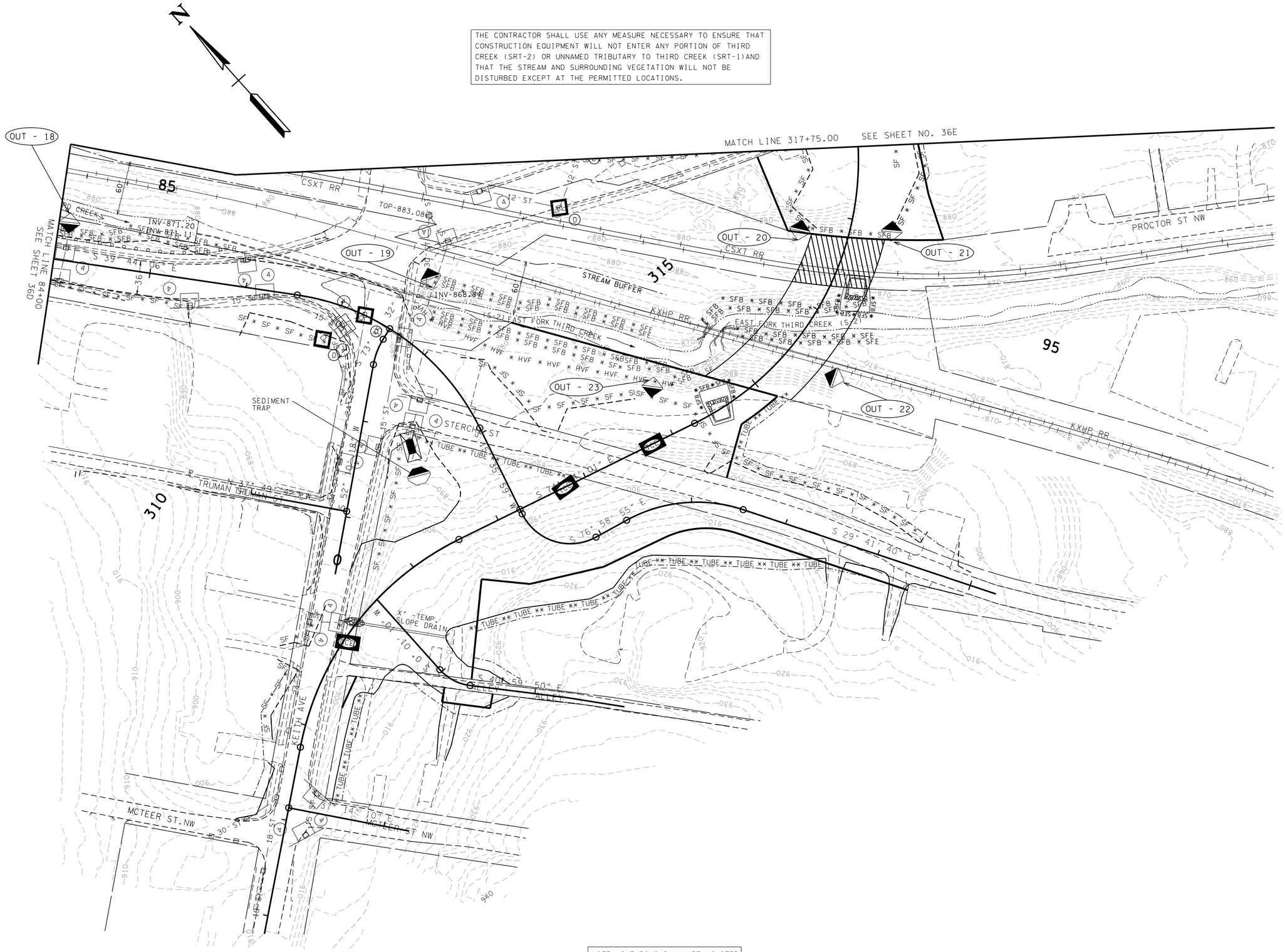
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	36H

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

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK (SRT-2) OR UNNAMED TRIBUTARY TO THIRD CREEK (SRT-1)AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.



NOTE: CLEARING SHALL BE LIMITED TO 10 FEET OR LESS OUTSIDE OF DISTURBANCE (CUT/FILL LINES).

STAGE 1

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

KEITH AVE. WEST

SCALE: 1"=50'

5/4/2016 10:38:28 AM
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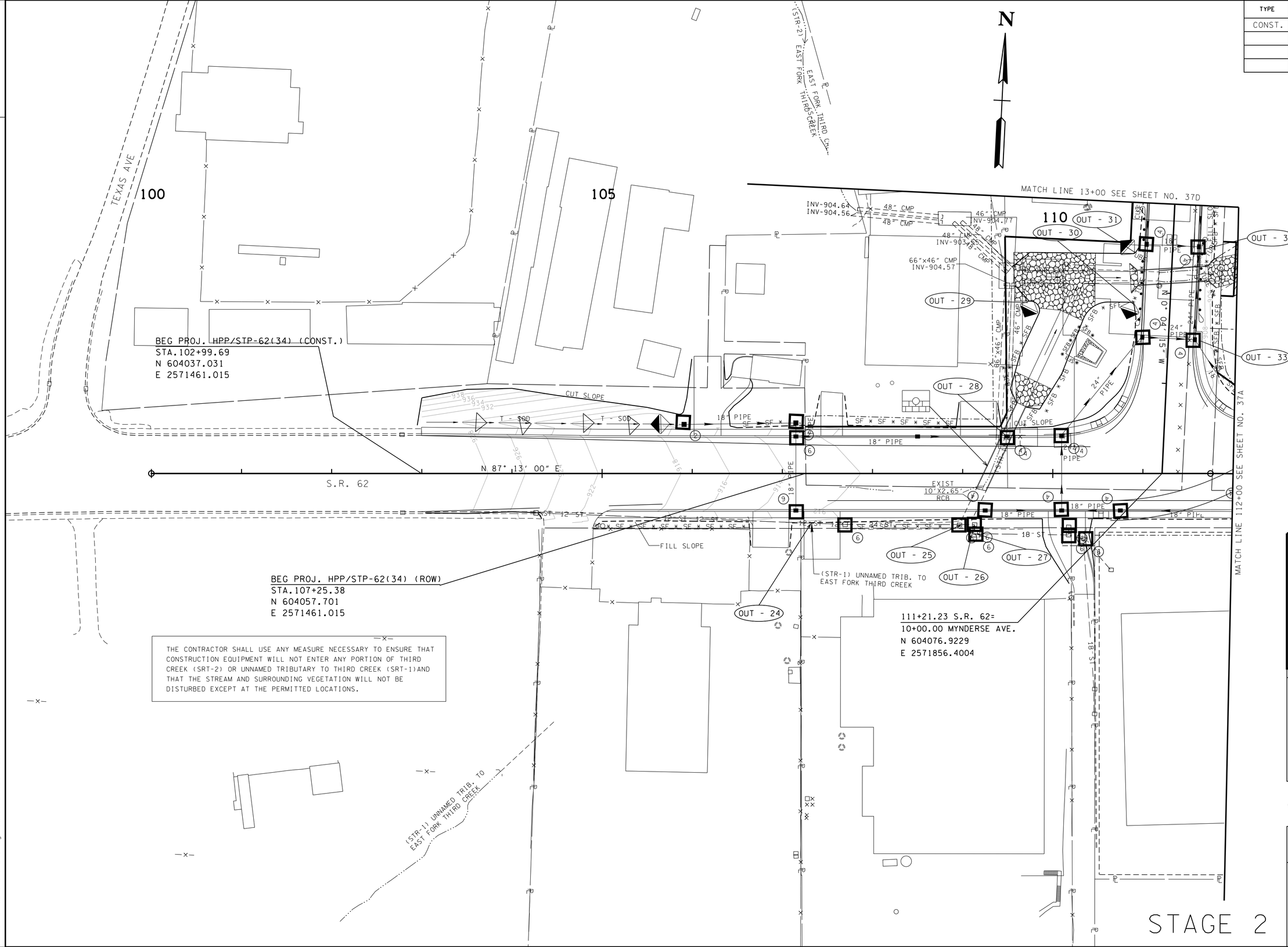
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	37

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



THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK (SRT-2) OR UNNAMED TRIBUTARY TO THIRD CREEK (SRT-1)AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.100+00 TO STA.112+00

SCALE: 1"=50'

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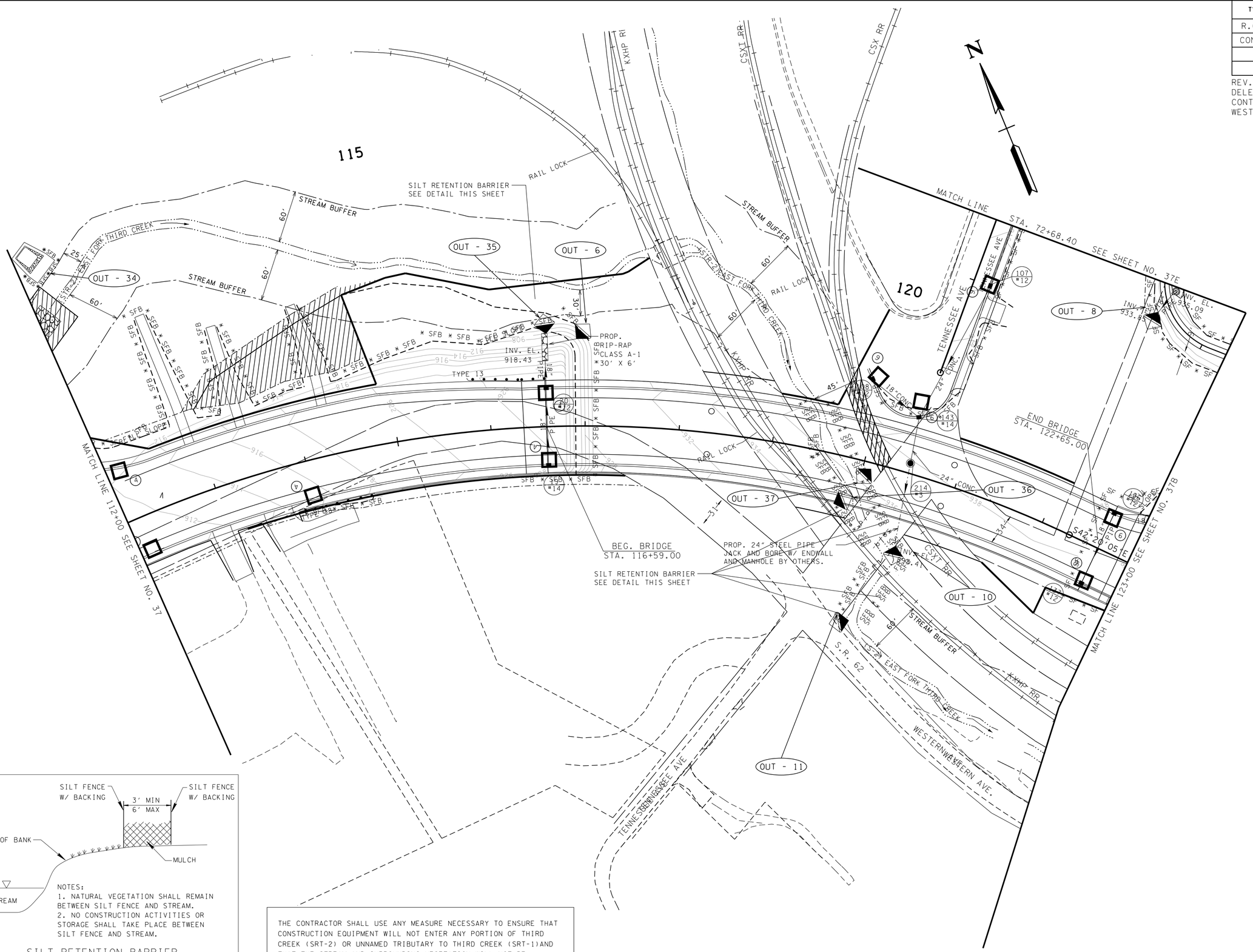
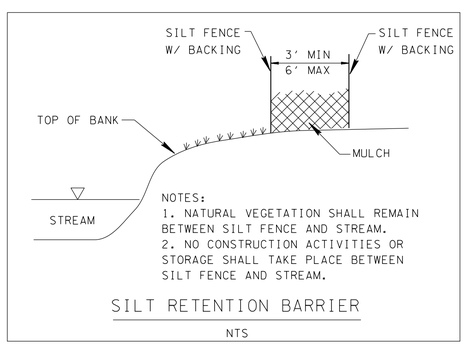
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	36B
CONST.	2016	HPP/STP/NH-62(34)	37A

REV. 10-10-12: REVISED SHEET NO. DELETED IMPROVEMENTS AND EROSION CONTROL FOR TENNESSEE AVE. TO WESTERN AVE.





SILT RETENTION BARRIER

NTS

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK (SRT-2) OR UNNAMED TRIBUTARY TO THIRD CREEK (SRT-1) AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

STAGE 2

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.112+00 TO STA.123+00

SCALE: 1"=50'

5/4/2016 10:38:31 AM
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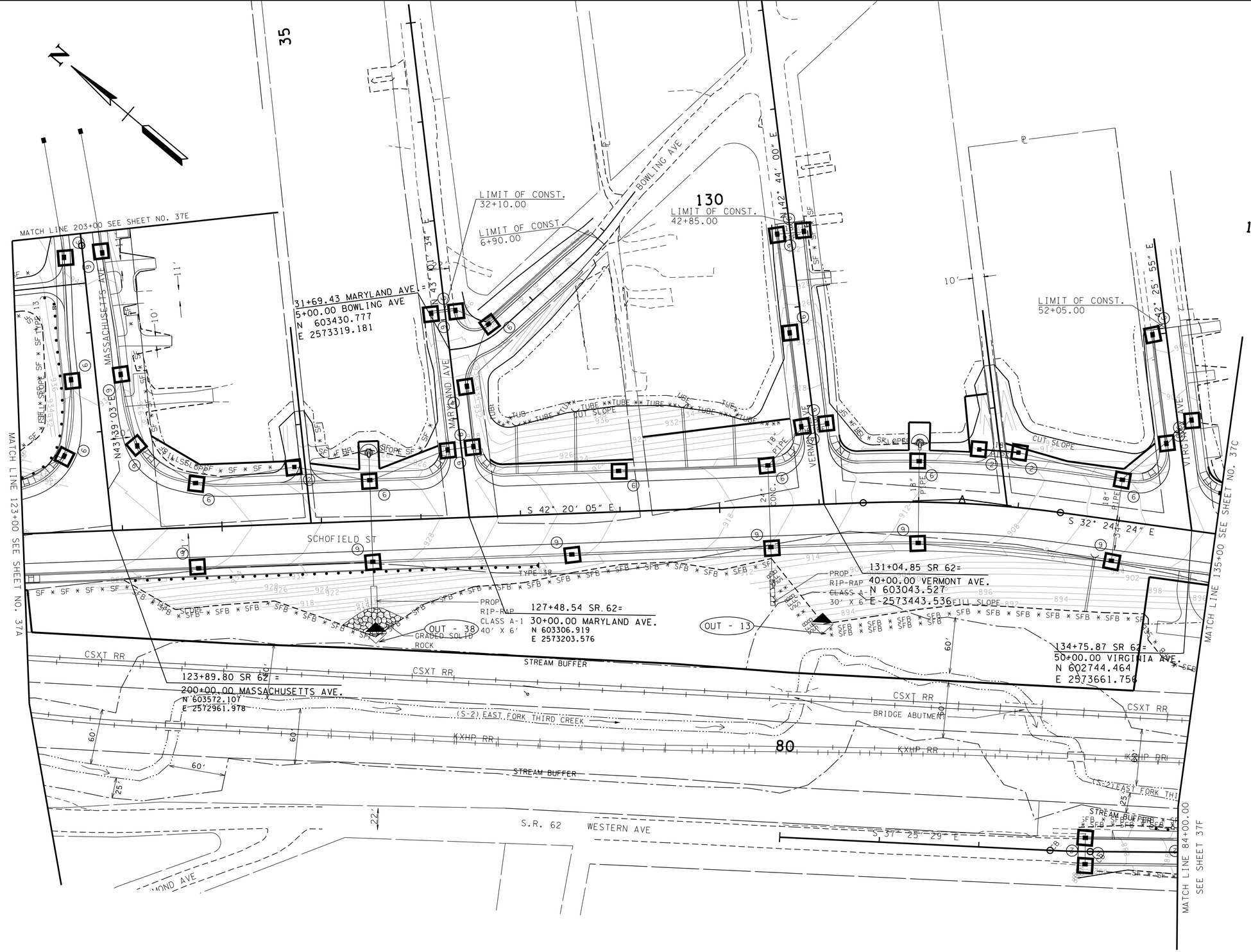
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	36C
CONST.	2016	HPP/STP/NH-62(34)	37B

REV. 10-10-12: REVISED SHEET NO. AND MATCH LINE FOR WESTERN AVE.



THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK (SRT-2) OR UNNAMED TRIBUTARY TO THIRD CREEK (SRT-1) AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

STAGE 2

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.123+00 TO STA.135+00

SCALE: 1"=50'

5/4/2016 2:58:09 PM
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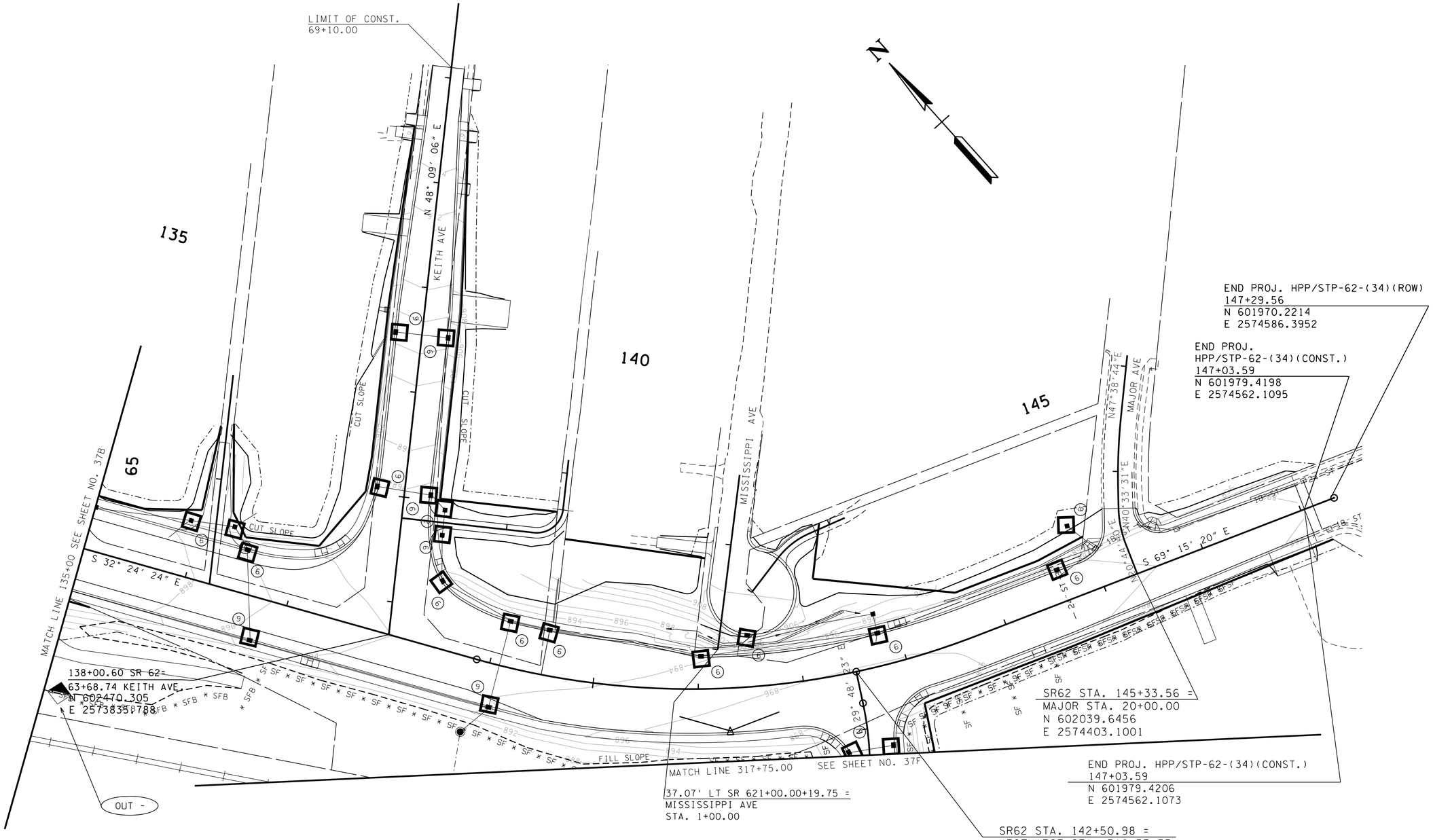
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	37C

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



THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK (SRT-2) OR UNNAMED TRIBUTARY TO THIRD CREEK (SRT-1)AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

STAGE 2

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.135+00 TO STA.147+00

SCALE: 1"=50'

5/4/2016 10:38:32 AM
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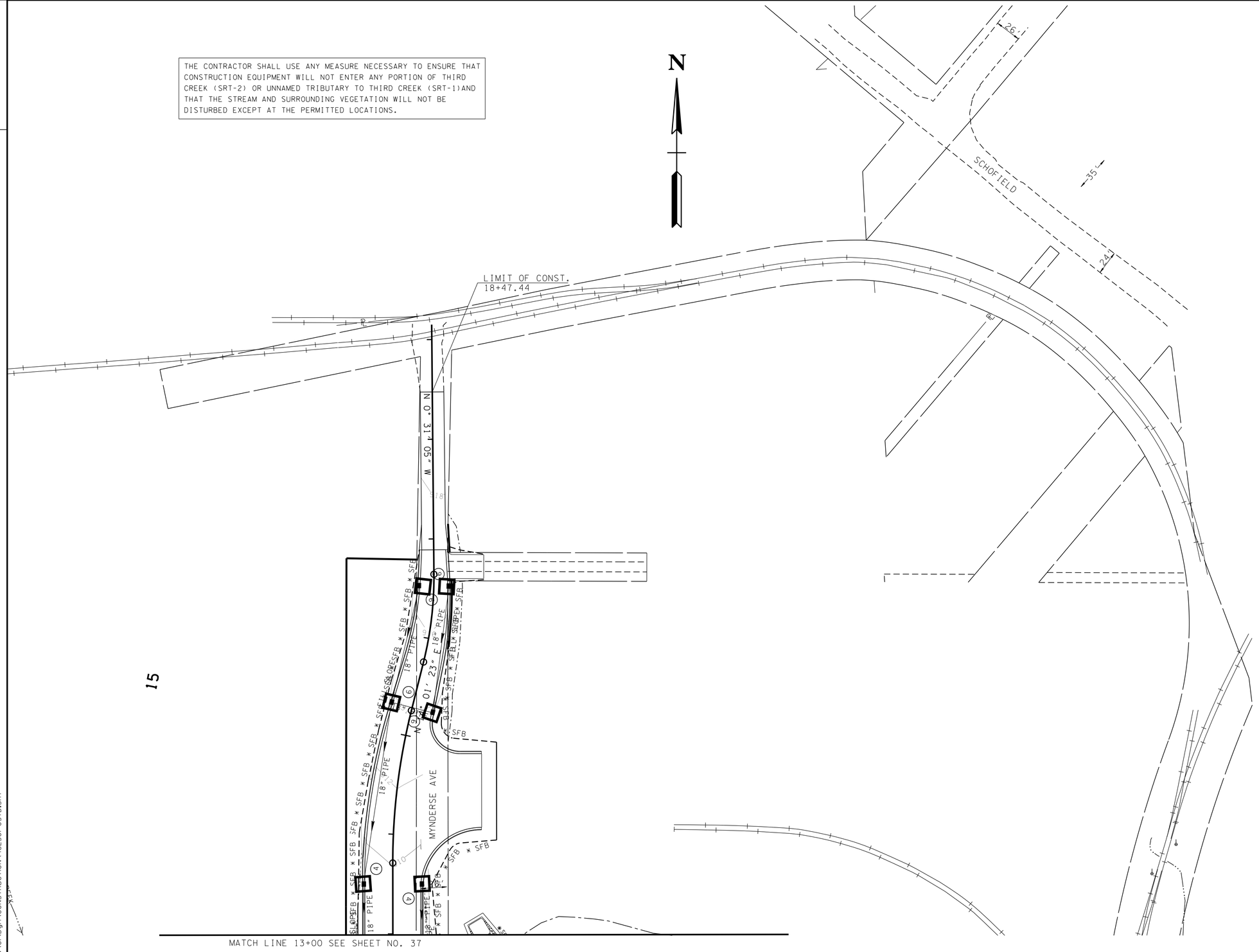
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	37D

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK (SRT-2) OR UNNAMED TRIBUTARY TO THIRD CREEK (SRT-1)AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.



15

STAGE 2

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

MYNDERSE AVE.

SCALE: 1"=50'

5/4/2016 10:38:33 AM
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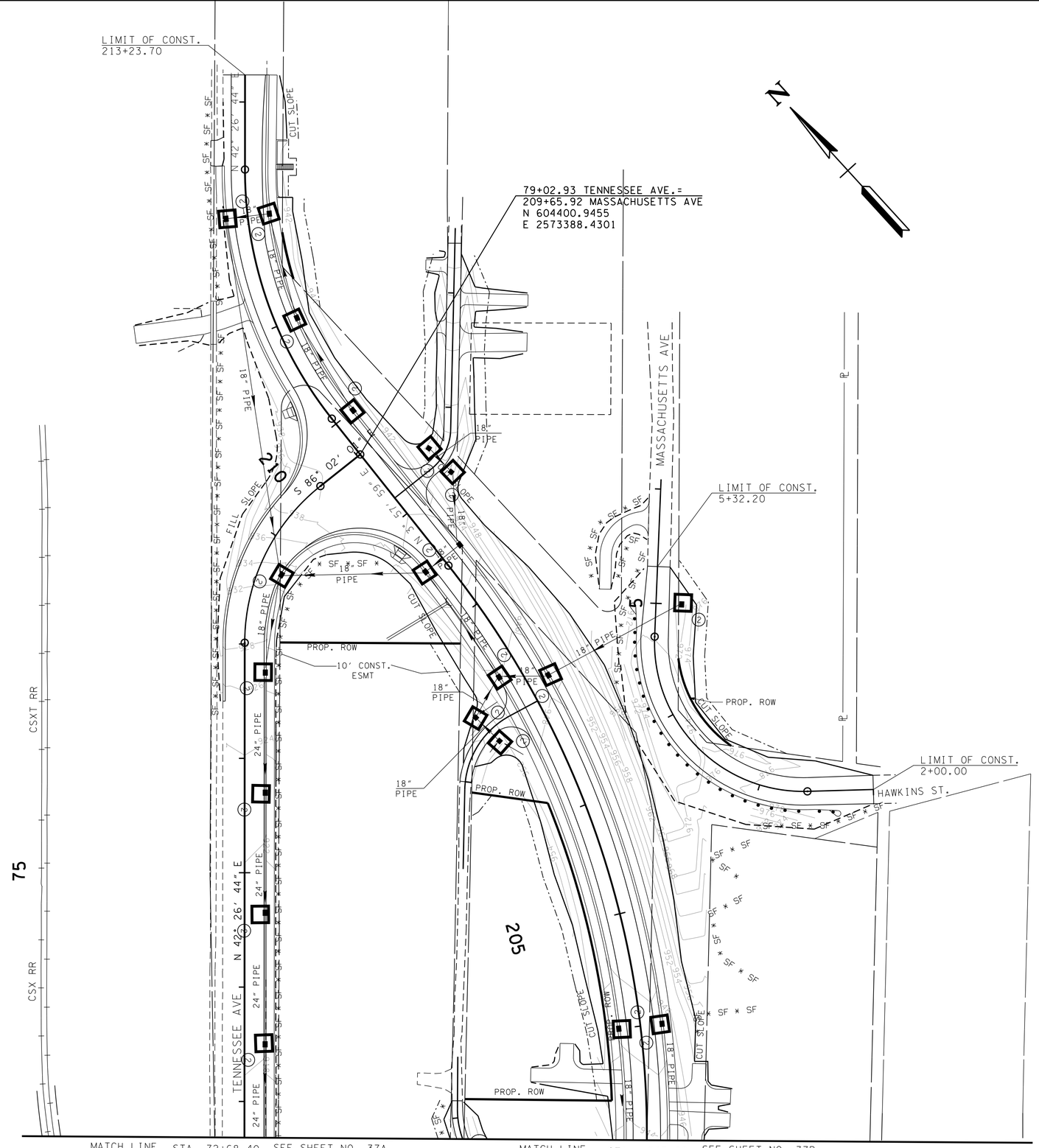
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	37E

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



THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK OR UNNAMED TRIBUTARY TO THIRD CREEK AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

STAGE 2

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

MASSACHUSETTS AVE.

SCALE: 1"=50'

5/4/2016 10:38:34 AM
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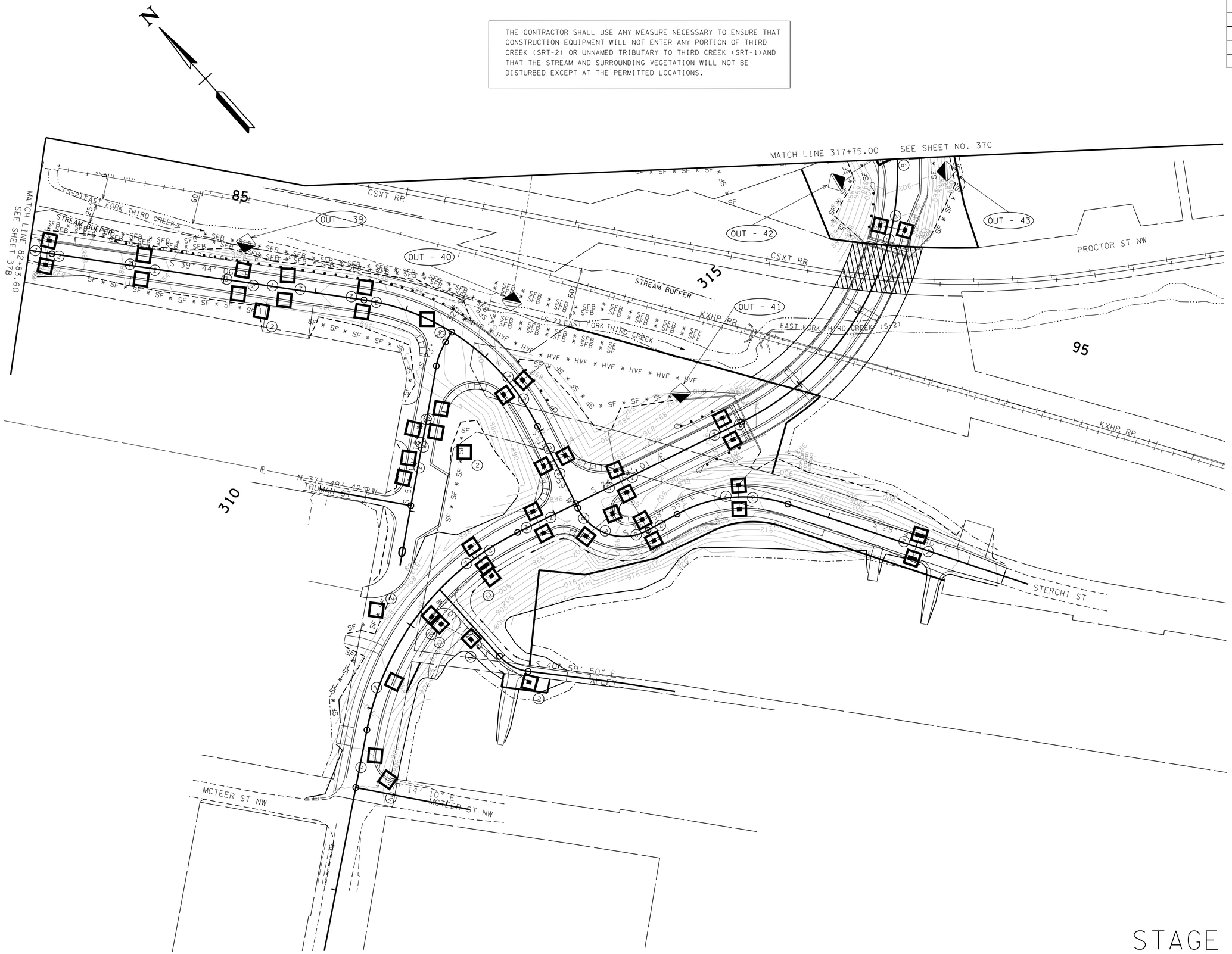
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	37F

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

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK (SRT-2) OR UNNAMED TRIBUTARY TO THIRD CREEK (SRT-1)AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.



STAGE 2

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

KEITH AVE. WEST

SCALE: 1"=50'

5/4/2016 10:38:34 AM
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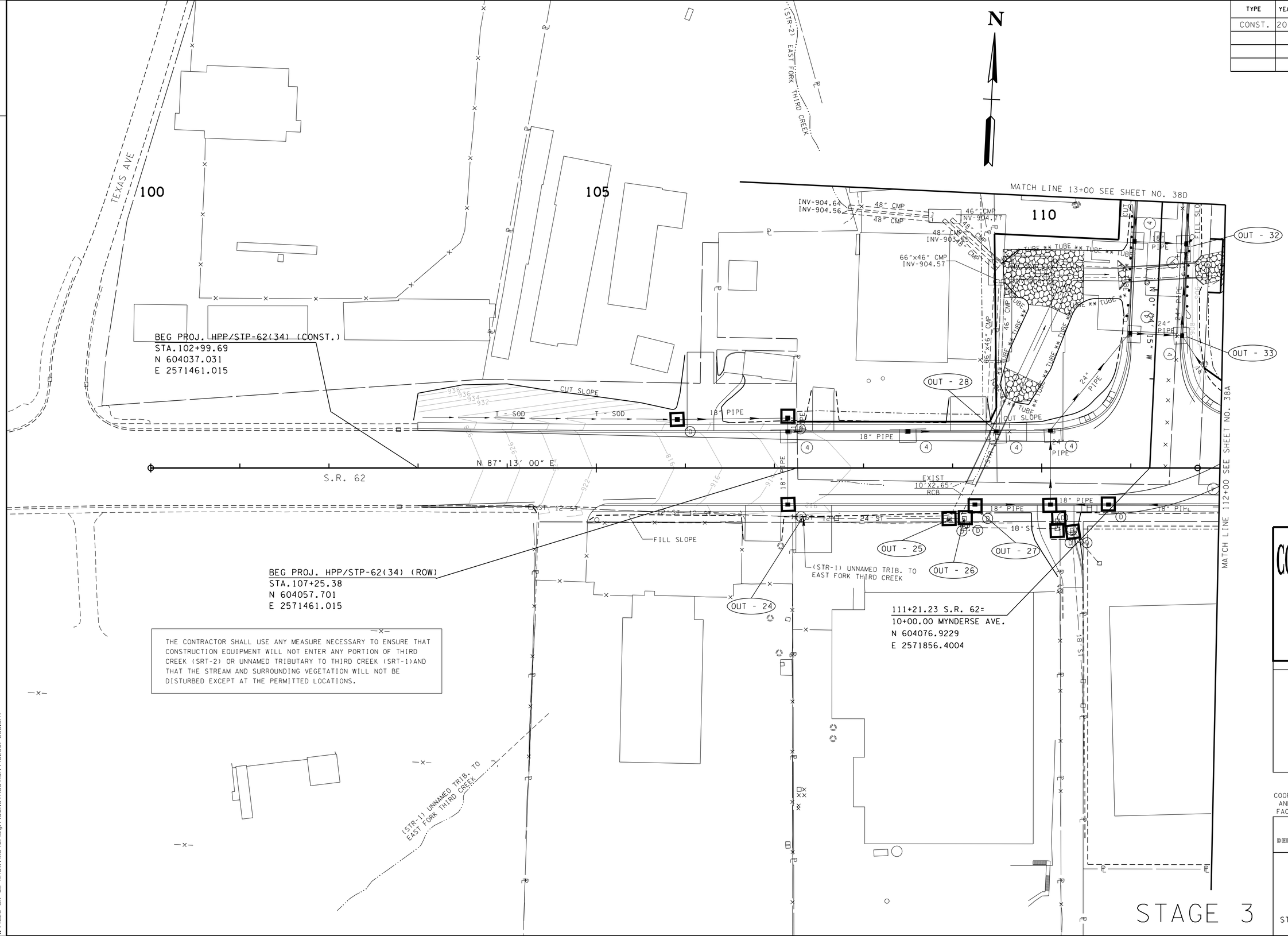
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	38

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



STAGE 3

CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.100+00 TO STA.112+00

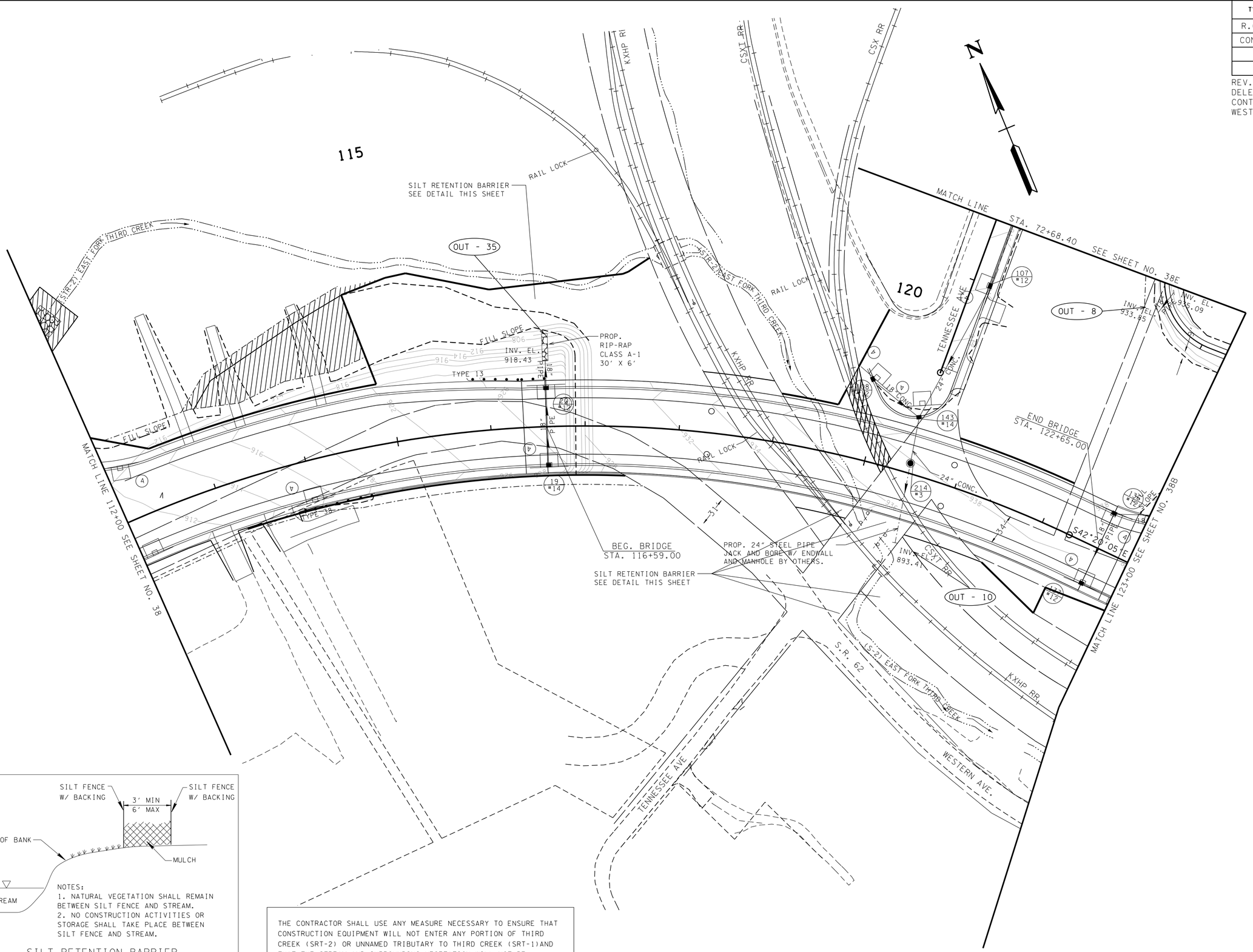
SCALE: 1"=50'

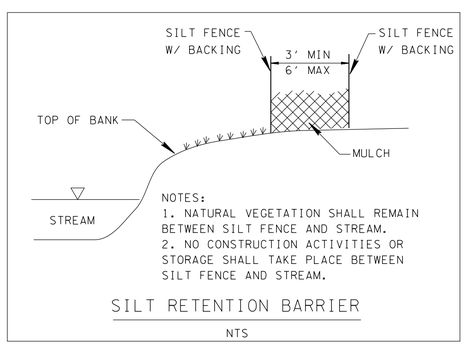
5/4/2016 10:38:35 AM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\48230I-038.SHT

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	36B
CONST.	2016	HPP/STP/NH-62(34)	38A

REV. 10-10-12: REVISED SHEET NO. DELETED IMPROVEMENTS AND EROSION CONTROL FOR TENNESSEE AVE. TO WESTERN AVE.





SILT RETENTION BARRIER

NTS

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK (SRT-2) OR UNNAMED TRIBUTARY TO THIRD CREEK (SRT-1) AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

STAGE 3

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.112+00 TO STA.123+00

SCALE: 1"=50'

5/4/2016 10:38:36 AM
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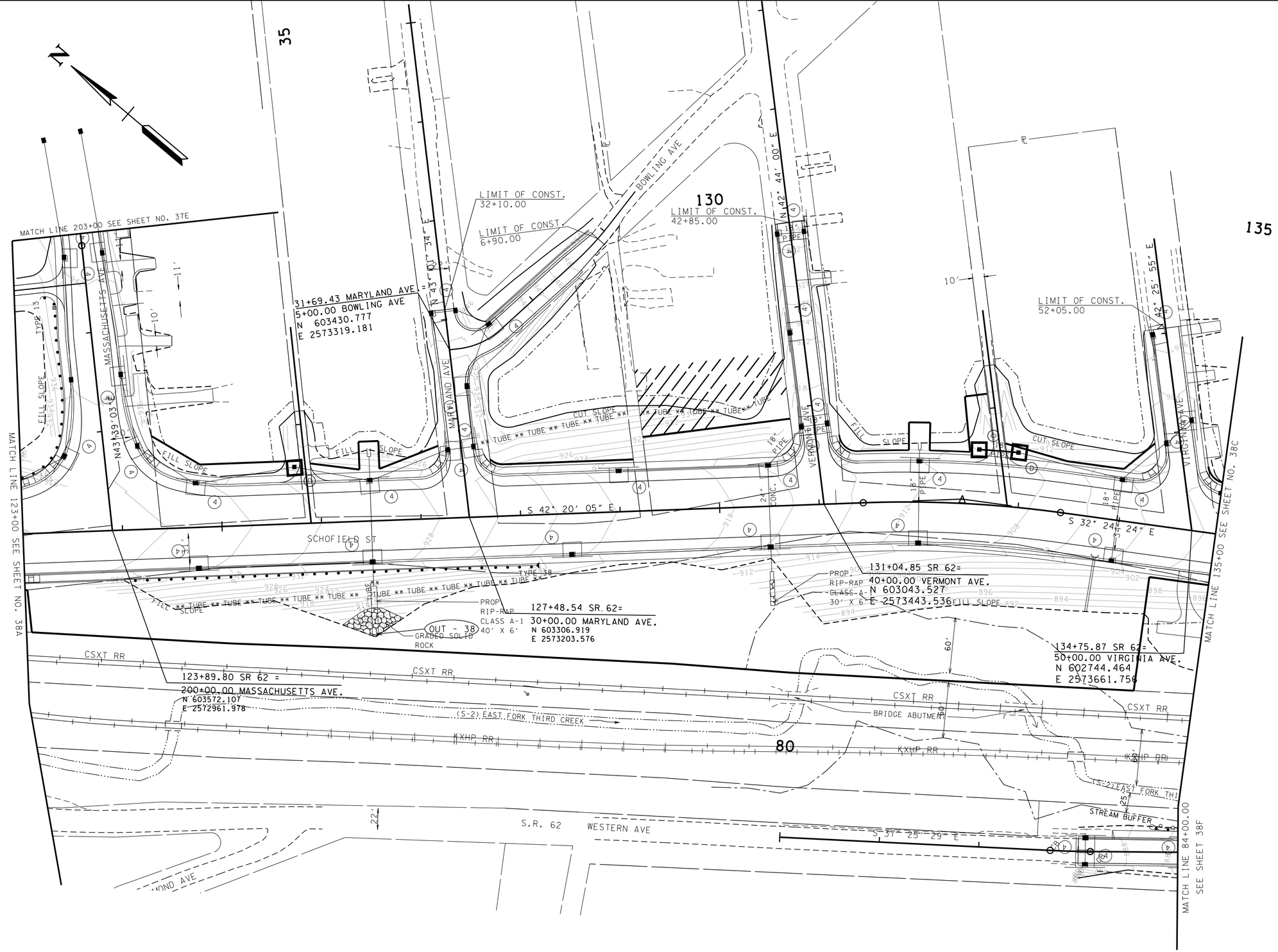
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	36C
CONST.	2016	HPP/STP/NH-62(34)	38B

REV. 10-10-12: REVISED SHEET NO. AND MATCH LINE FOR WESTERN AVE.



THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK (SRT-2) OR UNNAMED TRIBUTARY TO THIRD CREEK (SRT-1) AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

STAGE 3

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.123+00 TO STA.135+00

SCALE: 1"=50'

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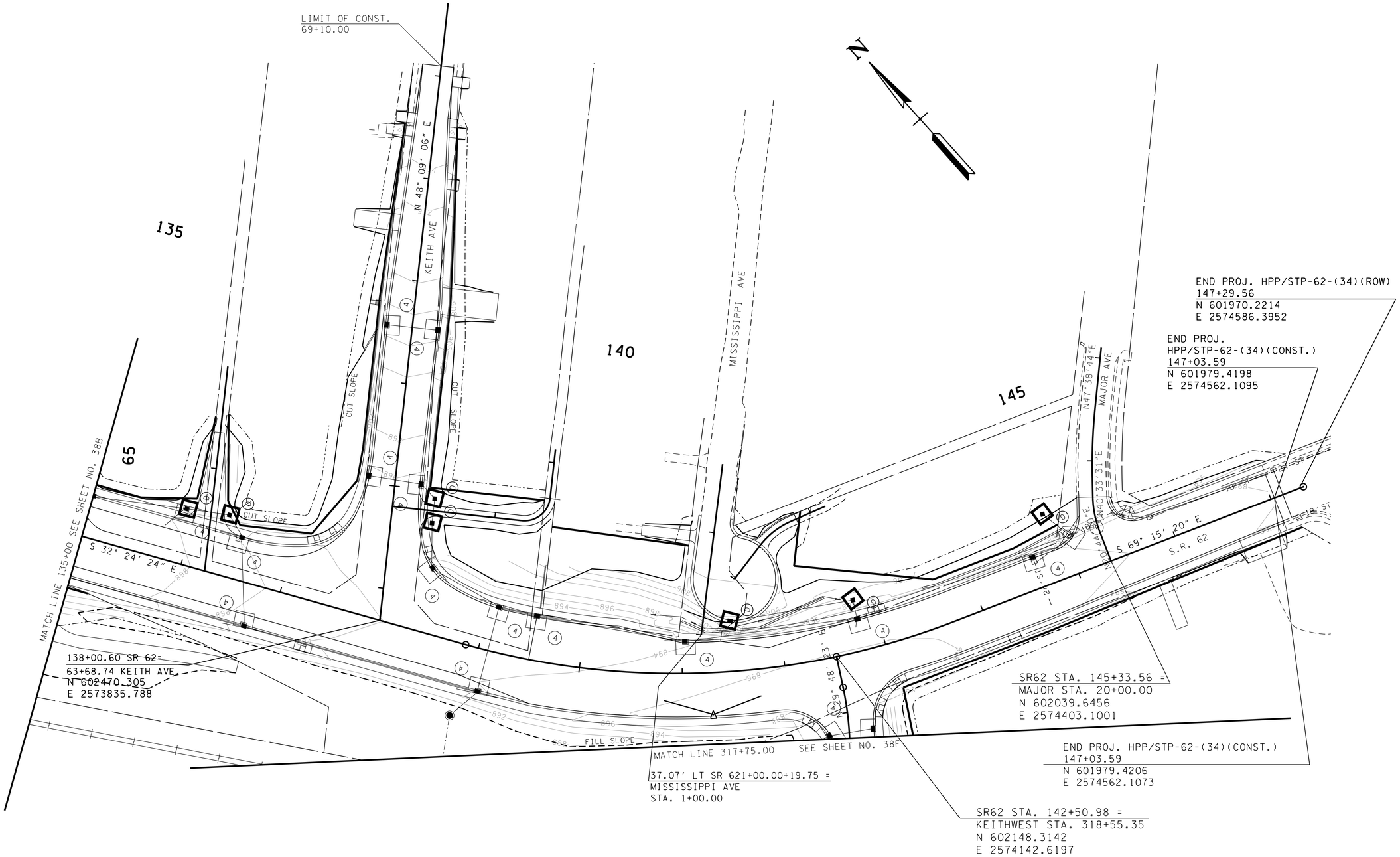
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	38C

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



THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK (SRT-2) OR UNNAMED TRIBUTARY TO THIRD CREEK (SRT-1)AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

STAGE 3

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA.135+00 TO STA.147+00

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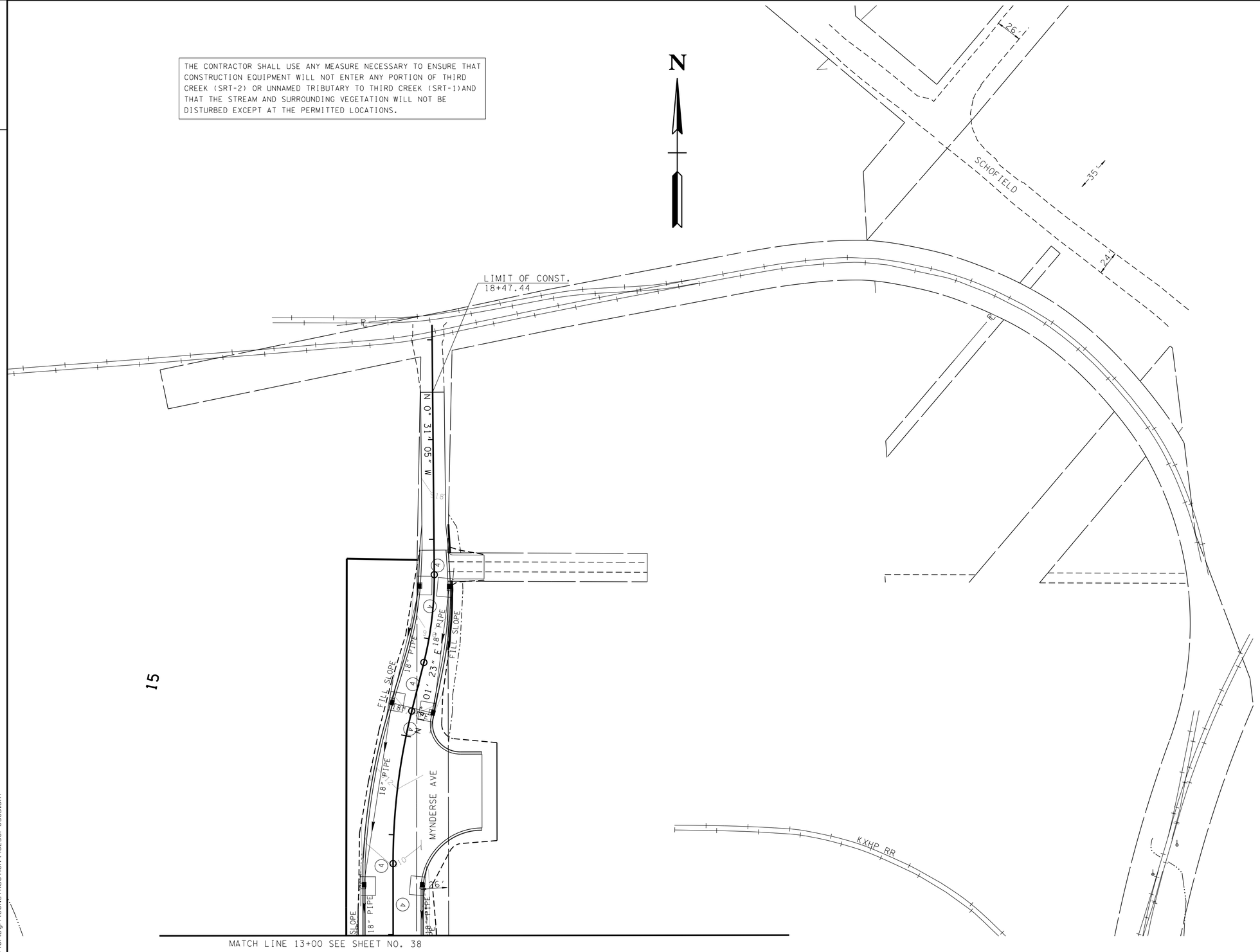
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	38D

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK (SRT-2) OR UNNAMED TRIBUTARY TO THIRD CREEK (SRT-1)AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.



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STAGE 3

CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

MYNDERSE AVE.

SCALE: 1"=50'

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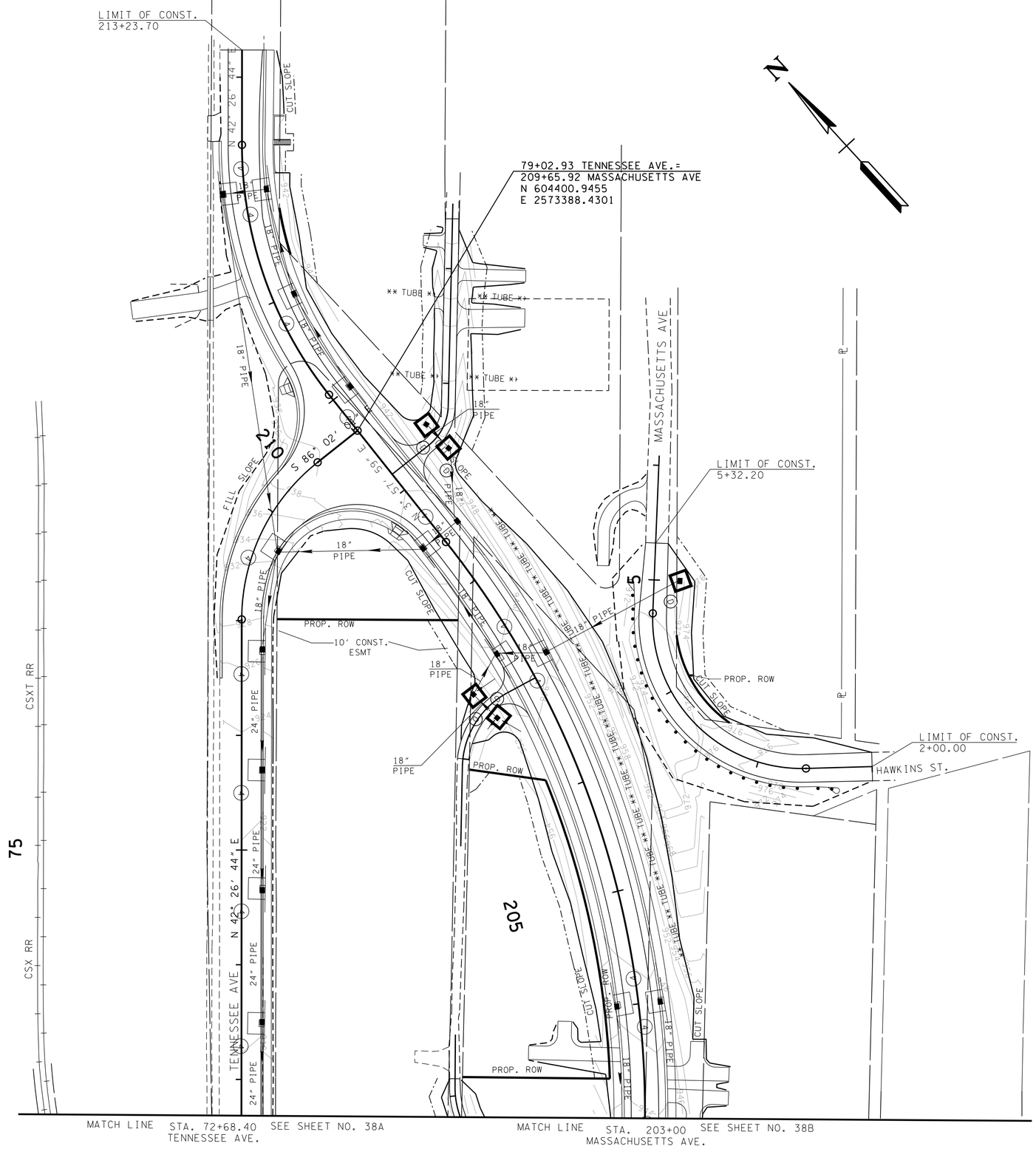
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	38E



THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK OR UNNAMED TRIBUTARY TO THIRD CREEK AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.

STAGE 3

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

MASSACHUSETTS AVE.

SCALE: 1"=50'

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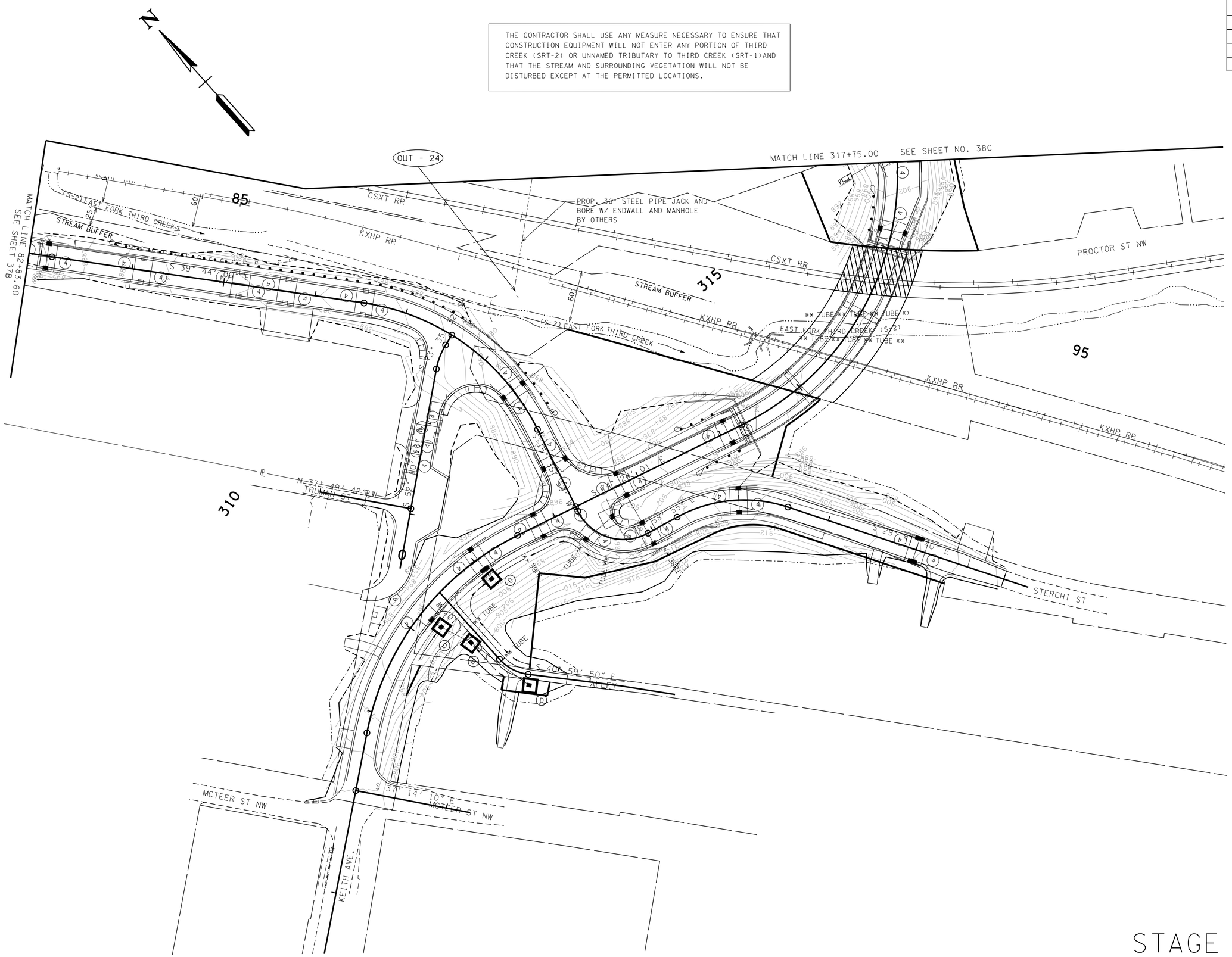
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	38F

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

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF THIRD CREEK (SRT-2) OR UNNAMED TRIBUTARY TO THIRD CREEK (SRT-1)AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED EXCEPT AT THE PERMITTED LOCATIONS.



STAGE 3

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

KEITH AVE. WEST

SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	39

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

A. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES OR TRAFFIC LANE AND SHOULDER WHERE THE TRAFFIC LANE IS BEING USED BY TRAFFIC, CAUSED BY BASE, PAVING OR RESURFACING:

1. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 0.75 INCH AND NOT EXCEEDING 2 INCHES:

a. WARNING SIGNS, UNEVEN LANES (W8-11) AND/OR SHOULDER DROP-OFF WITH PLAQUE (W8-17 AND W8-17P), SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

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

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

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

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

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

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

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

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

c. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE THROUGH TRAFFIC LANE AND THE SHOULDER AND THE ELEVATION DIFFERENCE IS LESS THAN 3.5 INCHES, THE CONTRACTOR MAY USE WARNING SIGNS AND/OR PROTECTIVE DEVICES AS APPLICABLE AND APPROVED BY THE ENGINEER. SEE PARAGRAPH a REGARDING USE OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) WILL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 2 MILES IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

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

a. THE CONTRACTOR SHALL ACCOMPLISH SEPARATION BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

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

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

IN ORDER TO USE THIS METHOD, THE CONTRACTOR MUST REDUCE THE DIFFERENCE IN ELEVATION TO 6 INCHES OR LESS BY THE END OF THE WORKDAY THAT THE CONDITION IS CREATED.

b. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a, AND CONSTRUCT A STONE WEDGE WITH A 4:1 SLOPE, OR FLATTER, TO ELIMINATE THE VERTICAL OFFSET IF THE LOWER ELEVATION IS AT OR BELOW SUBGRADE AT THE END OF EACH DAY.

c. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a AND IF THE LOWER ELEVATION IS BASE STONE OR ASPHALT PAVEMENT, PLACEMENT OF SUBSEQUENT LAYERS OF PAVEMENT MUST BEGIN THE NEXT WORK DAY AND PROGRESS CONTINUOUSLY UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED OR REDUCED TO SIX INCHES OR LESS.

d. THE CONTRACTOR SHALL PROVIDE SEPARATION BY PORTABLE BARRIER RAIL.

FOR PRECEDING CONDITIONS a, b, AND c, THE CONTRACTOR SHALL USE THE SHOULDER DROP-OFF WARNING SIGN WITH PLAQUE (W8-17 AND W8-17P). IT SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN THE SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

4. FOR DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 18 INCHES.

SEPARATION WILL BE PROVIDED BY USE OF PORTABLE BARRIER RAIL.

IN THIS SITUATION THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

B. IF THE DIFFERENCE IN ELEVATION IS WITHIN 30 FEET OF THE NEAREST TRAFFIC LANE BEING USED BY TRAFFIC CAUSED BY GRADING, EXCAVATION FOR UTILITIES, DRAINAGE STRUCTURES, UNDERCUTTING, ETC.:

1. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 3/4 INCH AND NOT EXCEEDING 2 INCHES.

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

2. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 2 INCHES AND NOT EXCEEDING 6 INCHES:

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

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

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

3. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 6 INCHES:

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

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

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

b. ELIMINATE VERTICAL OFFSET BY CONSTRUCTING A STONE WEDGE OR GRADING TO A 4:1 SLOPE, OR FLATTER, OR USE PORTABLE BARRIER RAIL.

THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE WITHIN 8 FEET OF A TRAFFIC LANE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE IS ELIMINATED.

C. IF THE DIFFERENCE IN ELEVATION IS FARTHER THAN 8 FEET FROM THE NEAREST TRAFFIC LANE BUT NOT MORE THAN 30 FEET FROM THE NEAREST TRAFFIC LANE:

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

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

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

THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE IS ELIMINATED.

CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

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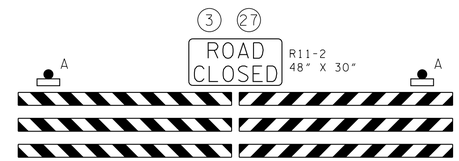
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	39A

ESTIMATED TRAFFIC CONTROL QUANTITIES

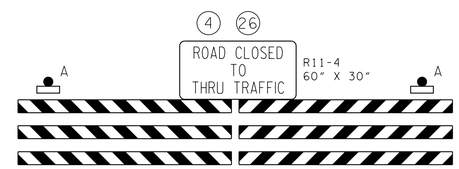
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
621-03.02	18" TEMPORARY DRAINAGE PIPE	L,F,	70
705-03.50	PORTABLE IMPACT ATTENUATOR NCHRP 350	EACH	2
712-01	TRAFFIC CONTROL	L.S.	1
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	550
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	250
712-05.01	WARNING LIGHTS (TYPE A)	EACH	52
712-05.01	WARNING LIGHTS (TYPE C)	EACH	24
712-06	SIGNS (CONSTRUCTION)	S.F.	1295
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	360
712-08.03	ARROW BOARD (TYPE C)	EACH	2
713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	4
716-01.07	TEMPORARY RAISED PAVEMENT MARKER, YELLOW	EACH	42
716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	1.8
716-05.05	PAINTED PAVEMENT MARKING (STOP LINE)	L.F.	150
716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	0.4
716-05.50	PAINTED PAVEMENT MARKING (8" LINE)	L.F.	660

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	ARROW BOARD TYPE C
	CHANGEABLE MESSAGE SIGN
	TEMPORARY BARRICADE (TYPE III)
	TEMPORARY ATTENUATOR



TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS



TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS

ITEM NO. 712-06 SIGNS (C0NSTRUCTION)

M.U.T.C.D. NO.	LEGEND	SIZE	QUANTITY	SIGN AREA (S.F.)	S.F.
G20-2A	END ROAD WORK	36x18	11	4.5	50
					0
M6-1L	DIRECTIONAL ARROW LT.	21X15	4	2.19	9
M6-1R	DIRECTIONAL ARROW RT.	21X15	5	2.19	11
R1-1	STOP	30x30	14	6.25	88
M4-8A	END DETOUR	36X36	2	9	18
					0
					0
M6-3	DIRECTION ARROW STRAIGHT	21X15	4	2.2	9
R11-2	ROAD CLOSED	48X30	44	10	440
R11-4	ROAD CLOSED TO THRU TRAFFIC	60x30	17	12.5	213
R11-3A	ROAD CLOSED AHEAD	48X30	1	10	10
					0
W20-7	FLAGGER SYMBOL	36x36	2	9	18
					0
					0
W20-1	ROAD WORK AHEAD	36X36	17	9	153
W20-1	ROAD WORK I MILE	36X36	2	9	18
W20-1	ROAD WORK 1/2 MILE	36X36	2	9	18
W24-1L	DOUBLE REVERSE CURVE RT	36X36	1	9	9
W24-1R	DOUBLE REVERSE CURVE LT	36x36	1	9	9
					0
W20-1	ROAD WORK 1000 FT	36X36	5	9	45
W20-1	ROAD WORK 500 FT	36X36	10	9	90
W20-2	DETOUR AHEAD	36X36	2	9	18
W20-3	ROAD CLOSED AHEAD	36X36	4	9	36
					0
SPECIAL	BEAUMONT AVE.	15X8	12	1	12
SPECIAL	WESTERN AVE.	15X8	5	1	5
SPECIAL	TENNESSEE AVE.	15X8	2	1	2
SPECIAL	KEITH AVE.	15X8	16	1	16
					0
TOTAL					1295

CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED
QUANTITIES
TRAFFIC
CONTROL

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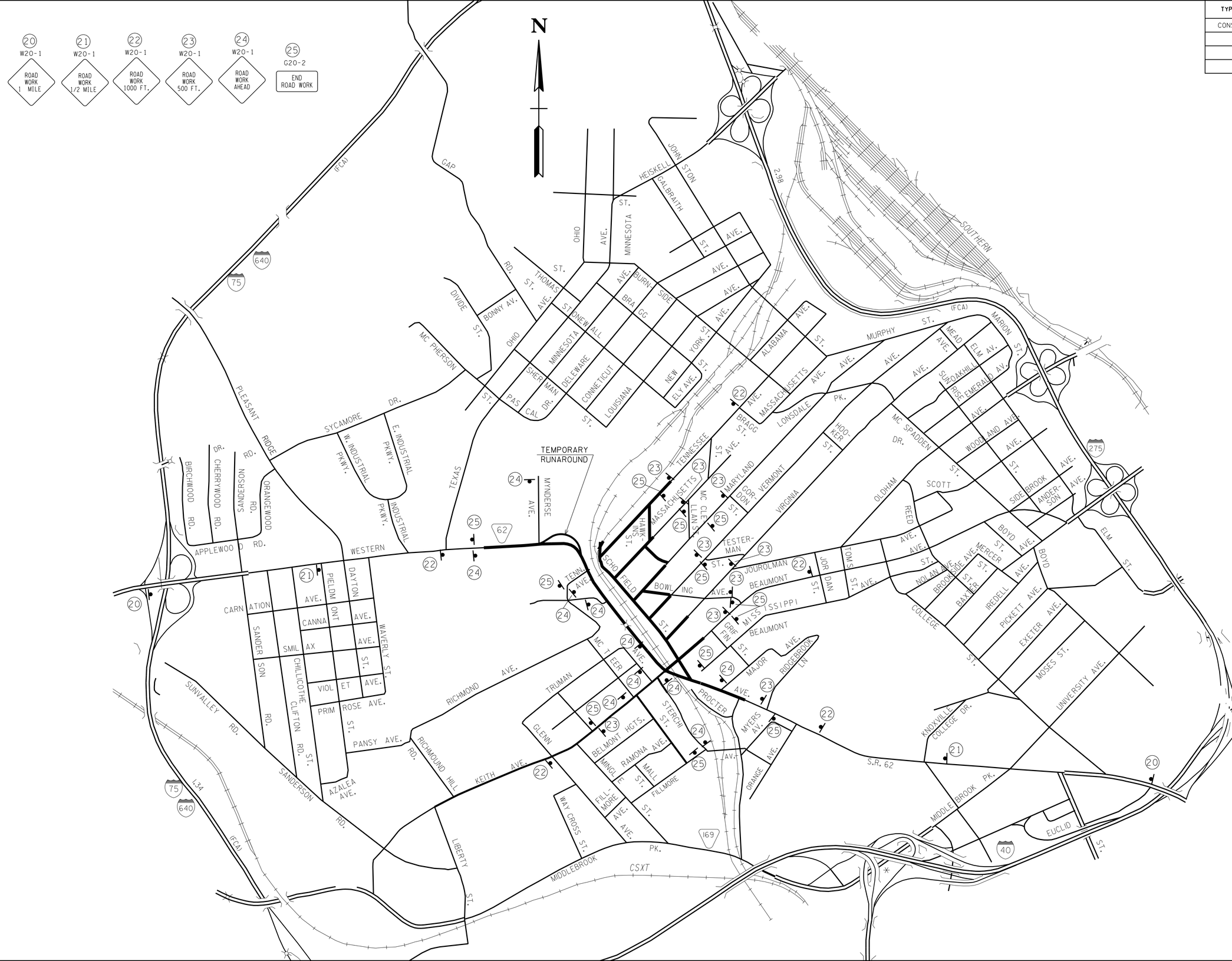
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	39B



CONSTRUCTABILITY FIELD REVIEW

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DEPARTMENT OF TRANSPORTATION

ADVANCE CONSTRUCTION SIGNING ALL PHASES

NOT TO SCALE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	39C

Phase 1

Utility Relocation, Bridge Construction, and Construction of Relocated SR 62 West of Virginia Avenue

Traffic will be maintained on existing SR62 (Western Ave) while the norther portion of the proposed mainline and side roads (Mynderse Avenue, Tennessee Avenue, Massachusetts Avenue, and Maryland Avenue). The temporary runaround will be constructed and completed in Phase 1. Portions of proposed bridge over CSX railroad (Bridge No. 1) that do not conflict with existing traffic can be constructed and Keith Avenue (Bridge No. 2) construction can begin. **Contractor shall coordinate construction operations with Gerdau Ameristeel US Inc. on a regular basis while Mynderse Ave and Tennessee Ave are being constructed.**

Closures

- Close Tennessee Avenue, Massachusetts Avenue and Maryland Avenue north of Schofield Street to begin realignment of Tennessee Avenue. (Traffic to local properties to be maintained)
- Close Schofield Street from Tennessee Avenue to Vermont Avenue to begin SR 62 construction. (Traffic to local properties to be maintained)
- Close Sterchi Street at Keith Avenue to begin relocated Keith Avenue structure and Sterchi Street realignment. (Traffic to local properties to be maintained)

Detours

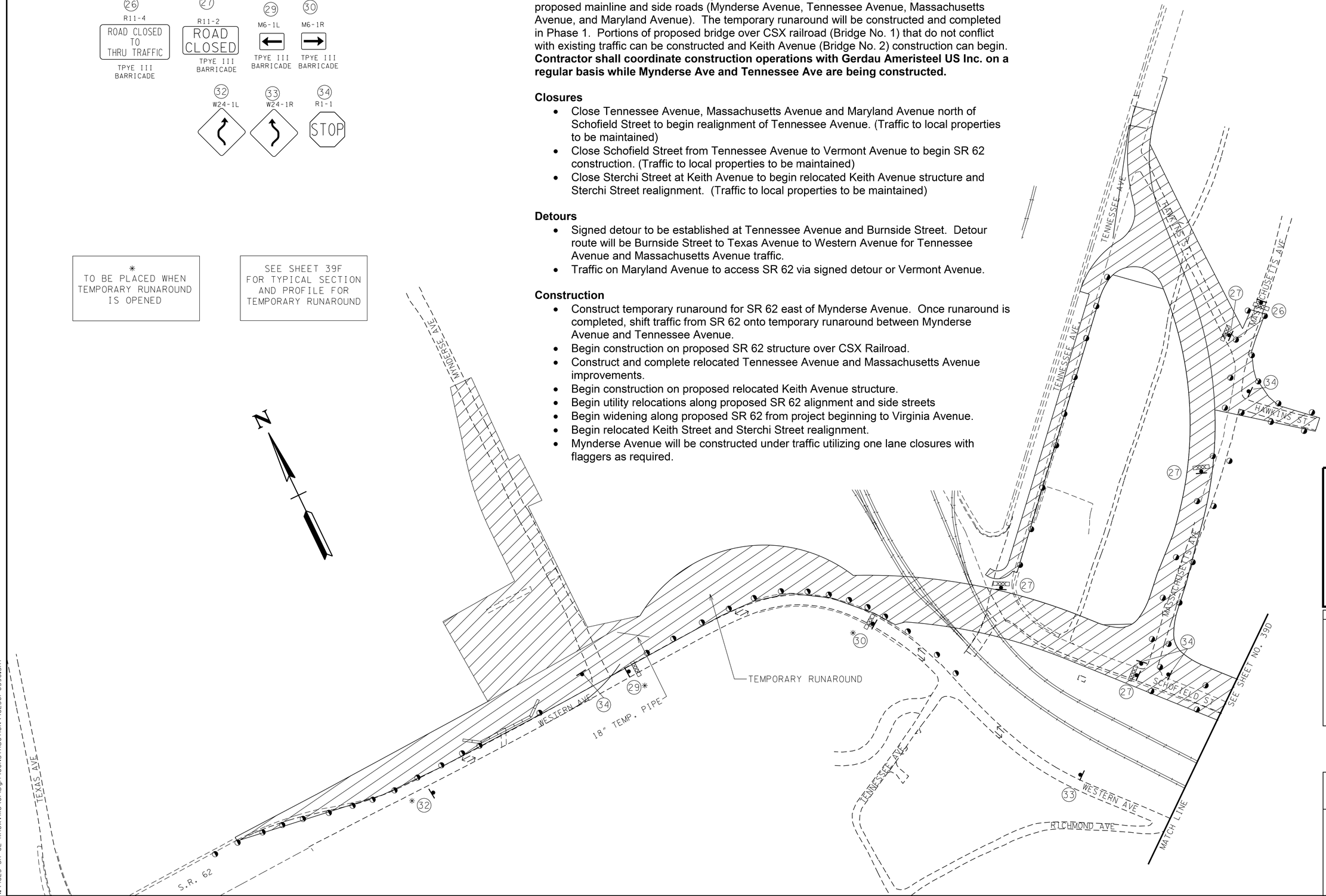
- Signed detour to be established at Tennessee Avenue and Burnside Street. Detour route will be Burnside Street to Texas Avenue to Western Avenue for Tennessee Avenue and Massachusetts Avenue traffic.
- Traffic on Maryland Avenue to access SR 62 via signed detour or Vermont Avenue.

Construction

- Construct temporary runaround for SR 62 east of Mynderse Avenue. Once runaround is completed, shift traffic from SR 62 onto temporary runaround between Mynderse Avenue and Tennessee Avenue.
- Begin construction on proposed SR 62 structure over CSX Railroad.
- Construct and complete relocated Tennessee Avenue and Massachusetts Avenue improvements.
- Begin construction on proposed relocated Keith Avenue structure.
- Begin utility relocations along proposed SR 62 alignment and side streets
- Begin widening along proposed SR 62 from project beginning to Virginia Avenue.
- Begin relocated Keith Street and Sterchi Street realignment.
- Mynderse Avenue will be constructed under traffic utilizing one lane closures with flaggers as required.

* TO BE PLACED WHEN TEMPORARY RUNAROUND IS OPENED

SEE SHEET 39F FOR TYPICAL SECTION AND PROFILE FOR TEMPORARY RUNAROUND



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 1

SCALE: 1"=100'

5/4/2016 10:41:55 AM
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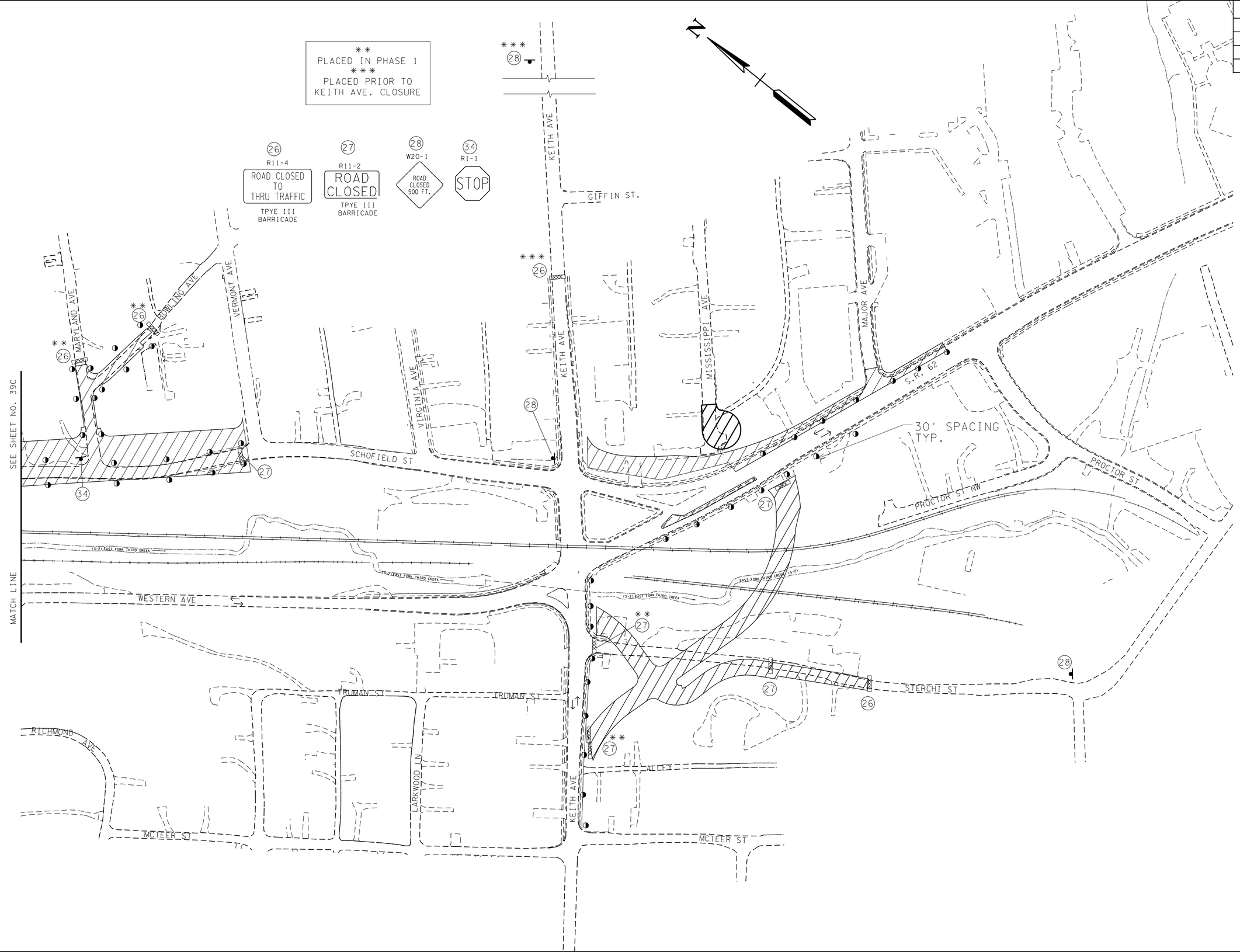
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	39D



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 1

SCALE: 1"=100'

5/4/2016 10:42:30 AM
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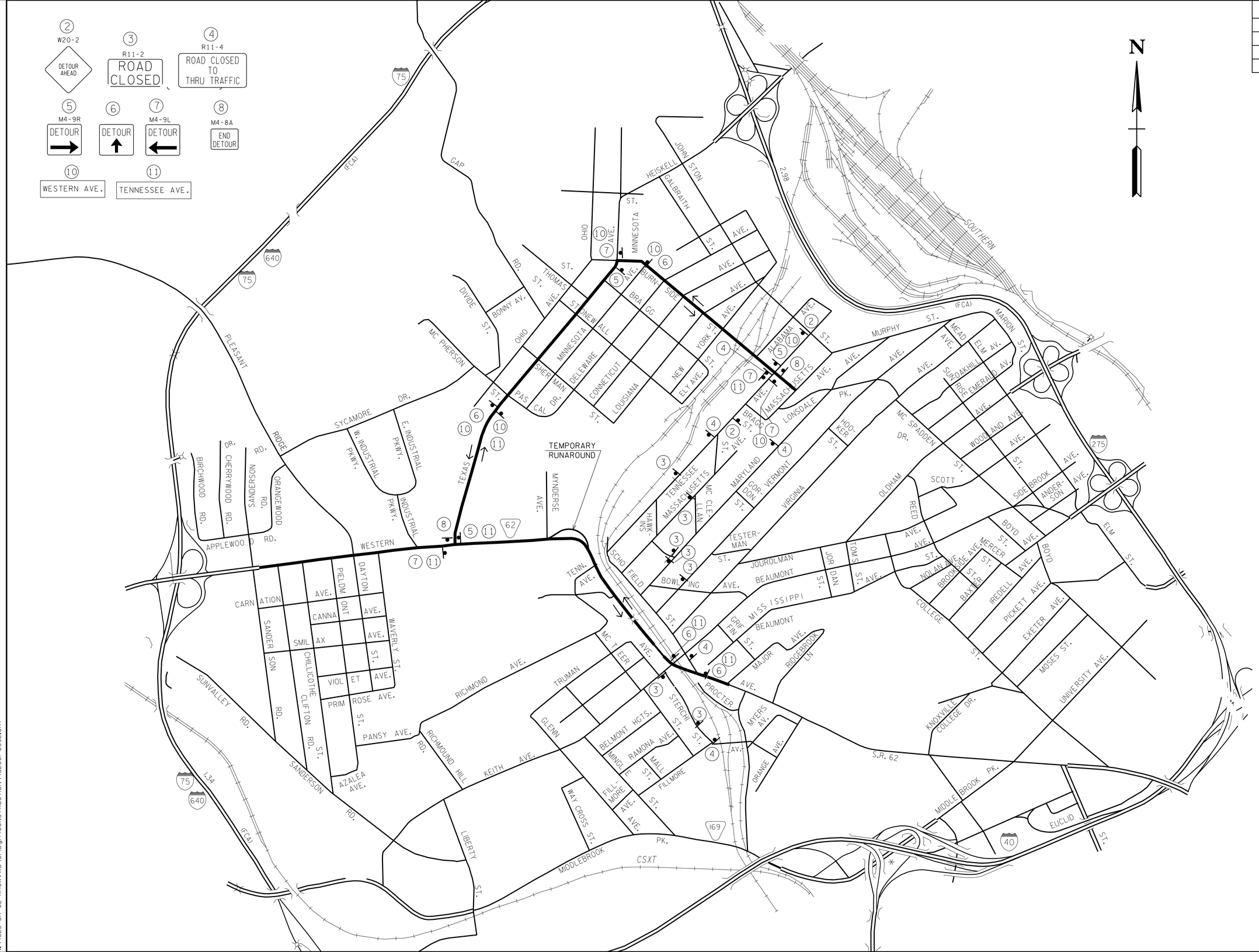
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	39E



CONSTRUCTABILITY FIELD REVIEW

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DEPARTMENT OF TRANSPORTATION

TENNESSEE AVE.
DETOUR
PHASE 1 and 2
DETOUR

NOT TO SCALE

5/4/2016 10:42:31 AM
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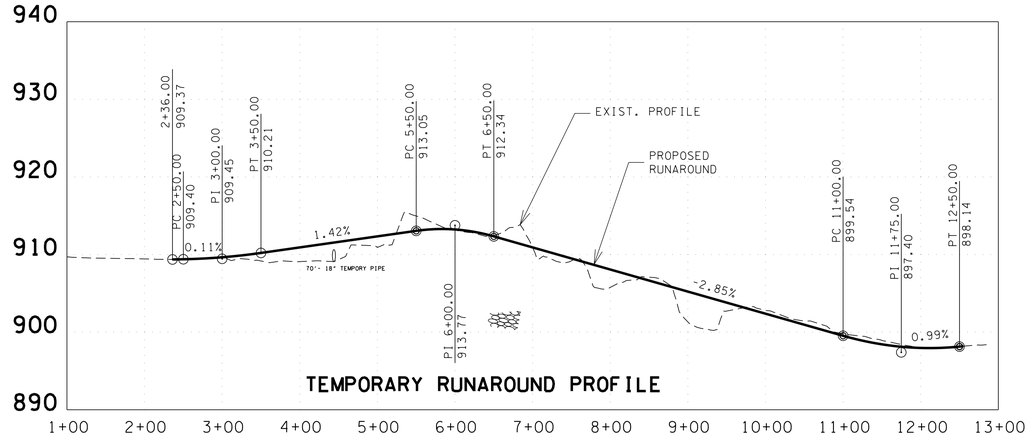
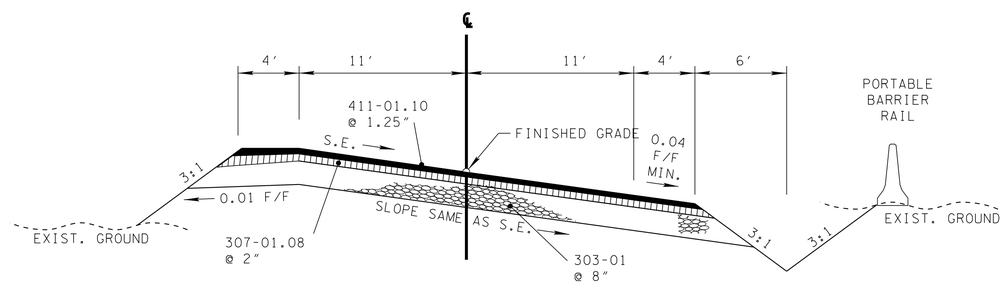
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	39F



TEMPORARY RUNAROUND PROFILE



TYPICAL SECTION

TEMPORARY RUNAROUND

CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC
CONTROL PLAN
PHASE 1

SCALE: 1"=100'

5/4/2016 10:42:31 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	39G

Phase 2

Utility Relocation, Bridge Construction, and Construction of Relocated SR 62

Schofield St. will be closed to traffic to allow for completion of the bridge over the CSX Rail Road (Bridge No. 1) and completion of SR 62 and all side roads not previously constructed north of SR 62 (Vermont Ave, Virginia Ave, Keith Ave, and Major Ave). Construction on the Keith Avenue bridge (Bridge No.2) will continue. Traffic on completed Tennessee Ave, Massachusetts Avenue, and Maryland Avenue will access Western Ave via the detour established in phase 1.

Closures

- Maintain SR 62 traffic on temporary runaround between Mynderse Avenue and Tennessee Avenue
- Maintain closure of Tennessee Avenue, Massachusetts Avenue, Maryland Avenue, and Schofield Street between Tennessee Avenue and Massachusetts Avenue. Traffic to local properties to be maintained)
- Close Vermont Avenue and Virginia Avenue at Schofield Street. Traffic to local properties to be maintained)
- Close remainder of Schofield Street from Virginia Avenue to Keith Street.
- Maintain traffic on Keith Avenue north of existing SR 62 until relocated SR 62 work is near completion to allow vehicle access. Close Keith Avenue when required to reconstruct Keith Avenue. Keith Avenue traffic south of existing SR 62 intersection to be maintained.
- Maintain traffic on Keith Avenue south of existing SR 62 until relocated Keith Avenue is near completion to allow vehicle access. Close Keith Avenue when required to complete relocated Keith Avenue tie to Keith Avenue.

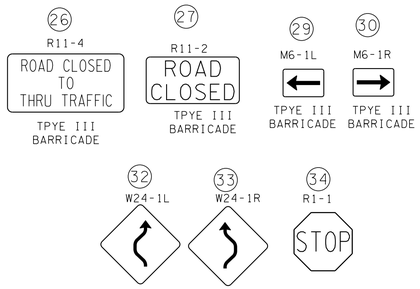
Detours

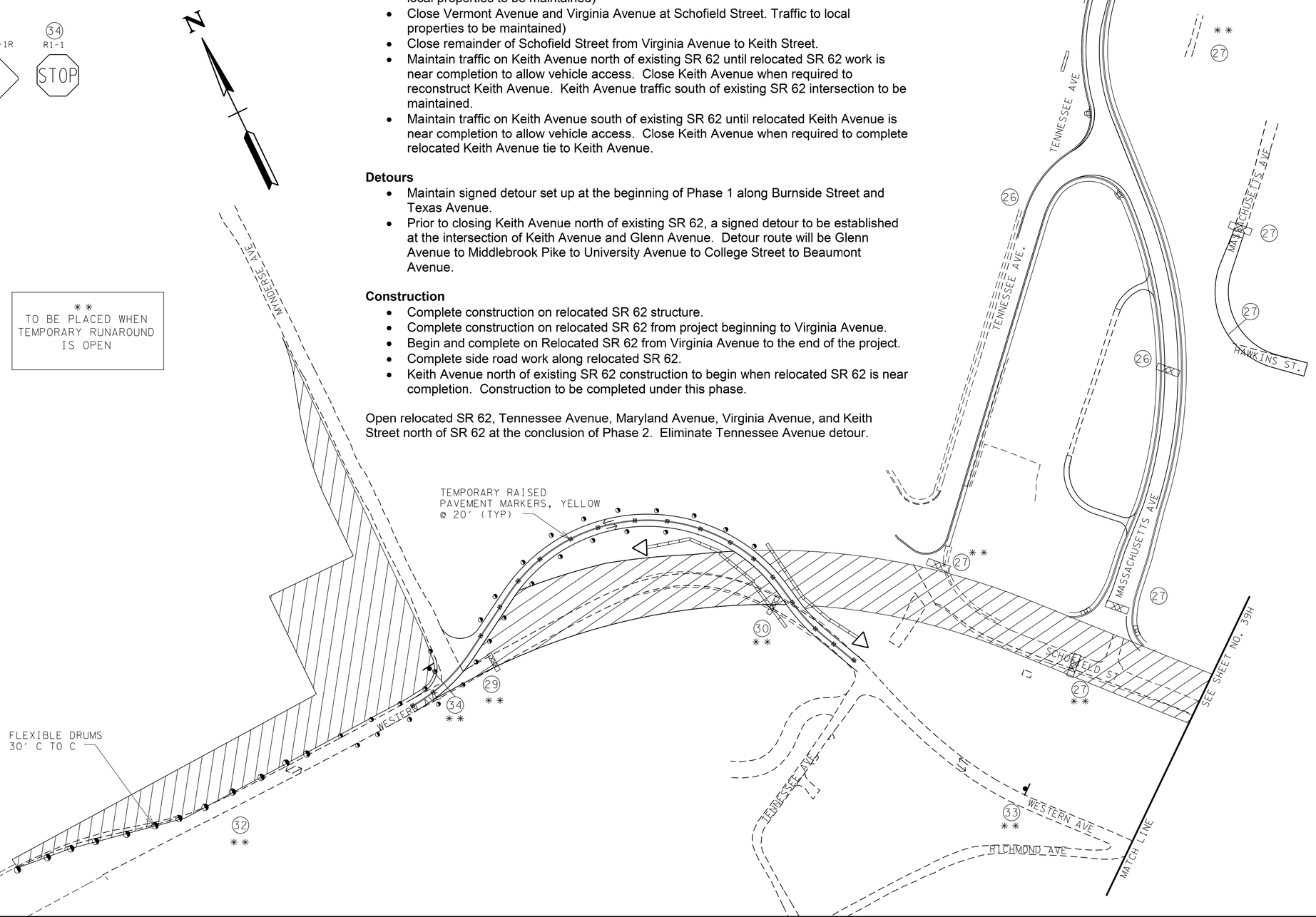
- Maintain signed detour set up at the beginning of Phase 1 along Burnside Street and Texas Avenue.
- Prior to closing Keith Avenue north of existing SR 62, a signed detour to be established at the intersection of Keith Avenue and Glenn Avenue. Detour route will be Glenn Avenue to Middlebrook Pike to University Avenue to College Street to Beaumont Avenue.

Construction

- Complete construction on relocated SR 62 structure.
- Complete construction on relocated SR 62 from project beginning to Virginia Avenue.
- Begin and complete on Relocated SR 62 from Virginia Avenue to the end of the project.
- Complete side road work along relocated SR 62.
- Keith Avenue north of existing SR 62 construction to begin when relocated SR 62 is near completion. Construction to be completed under this phase.

Open relocated SR 62, Tennessee Avenue, Maryland Avenue, Virginia Avenue, and Keith Street north of SR 62 at the conclusion of Phase 2. Eliminate Tennessee Avenue detour.





CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2

SCALE: 1"= 100'

5/4/2016 10:42:32 AM
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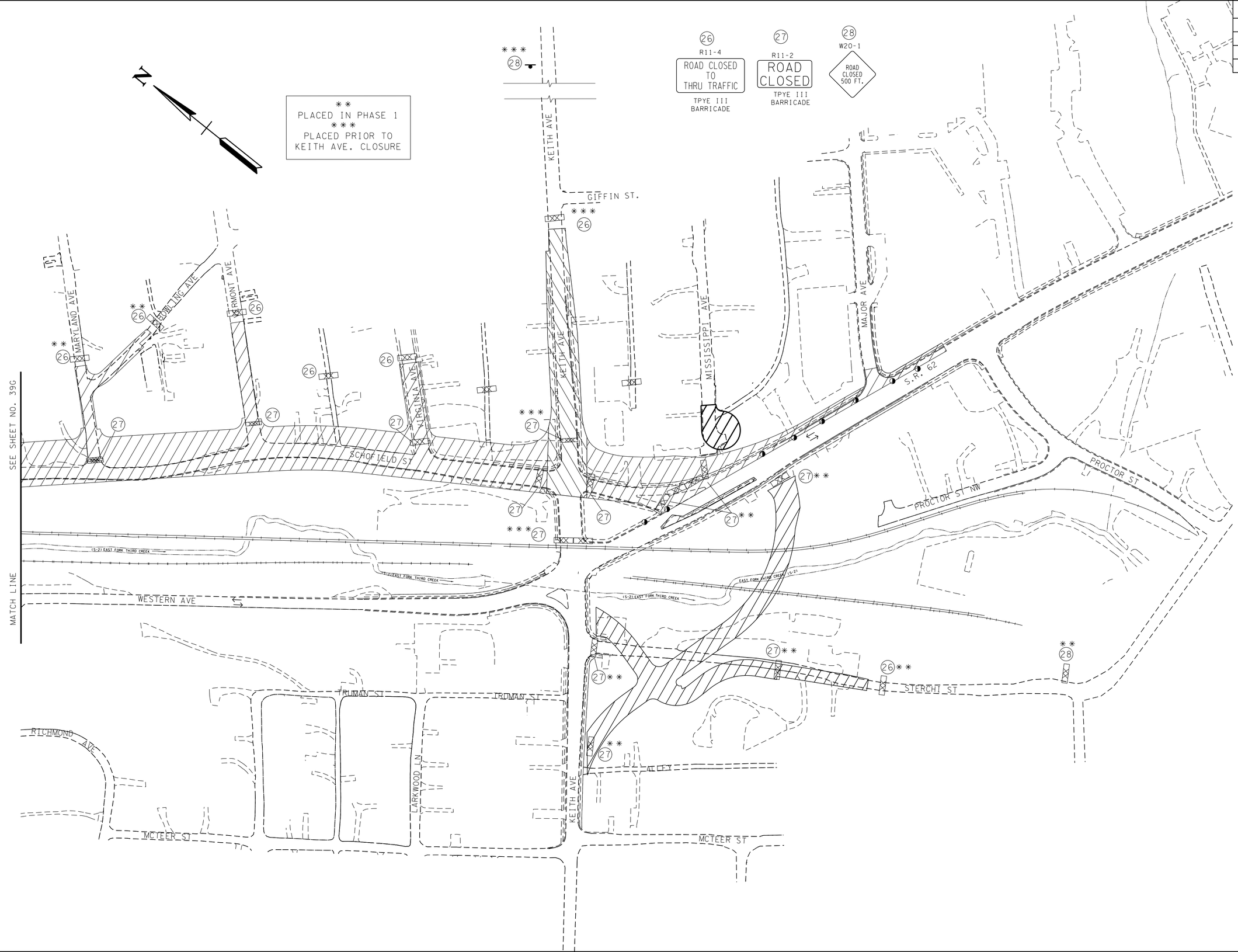
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	39H



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 2

SCALE: 1"=100'

5/4/2016 10:43:07 AM
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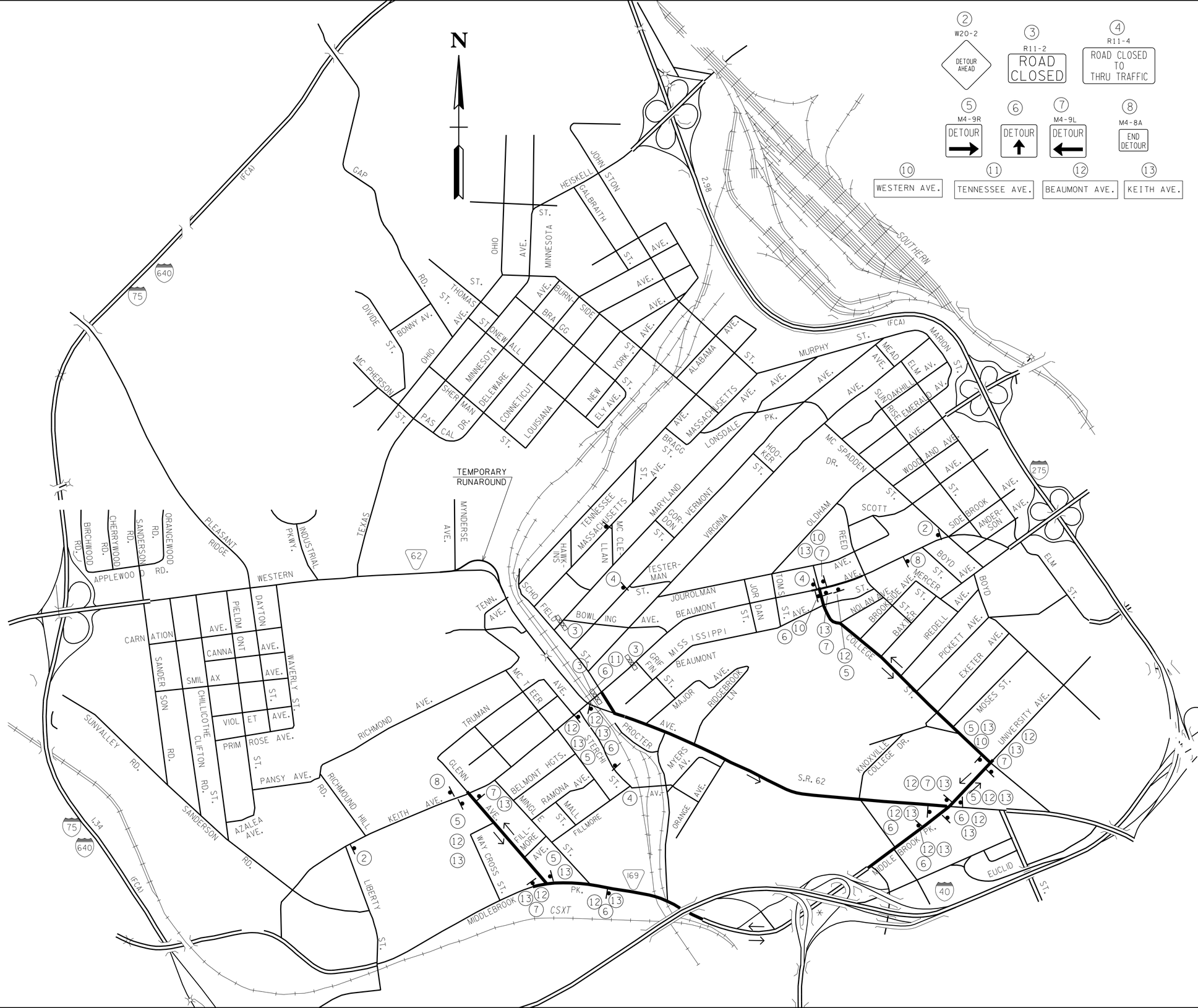
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	391



2 W20-2 DETOUR AHEAD

3 R11-2 ROAD CLOSED

4 R11-4 ROAD CLOSED TO THRU TRAFFIC

5 M4-9R DETOUR

6 DETOUR

7 M4-9L DETOUR

8 M4-8A END DETOUR

10 WESTERN AVE.

11 TENNESSEE AVE.

12 BEAUMONT AVE.

13 KEITH AVE.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

KEITH AVE.
BEAUMONT AVE.
DETOUR
PHASE 2 DETOUR

NOT TO SCALE

5/4/2016 10:43:08 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	39J

Phase 3

Mynderse Avenue, Keith Avenue South of SR 62 and Existing Western Avenue Construction

Traffic will be placed onto relocated SR 62 (Western Ave). All side roads north of SR 62 will be opened to normal traffic flow. Work on side roads south of SR 62 will take place in this phase. Work will be completed on Keith Ave bridge (Bridge No. 2) and relocated Keith Avenue.

Closures

- Close Keith Avenue between existing Western Avenue and Thurman Street. Traffic to local businesses to be maintained via local roads.

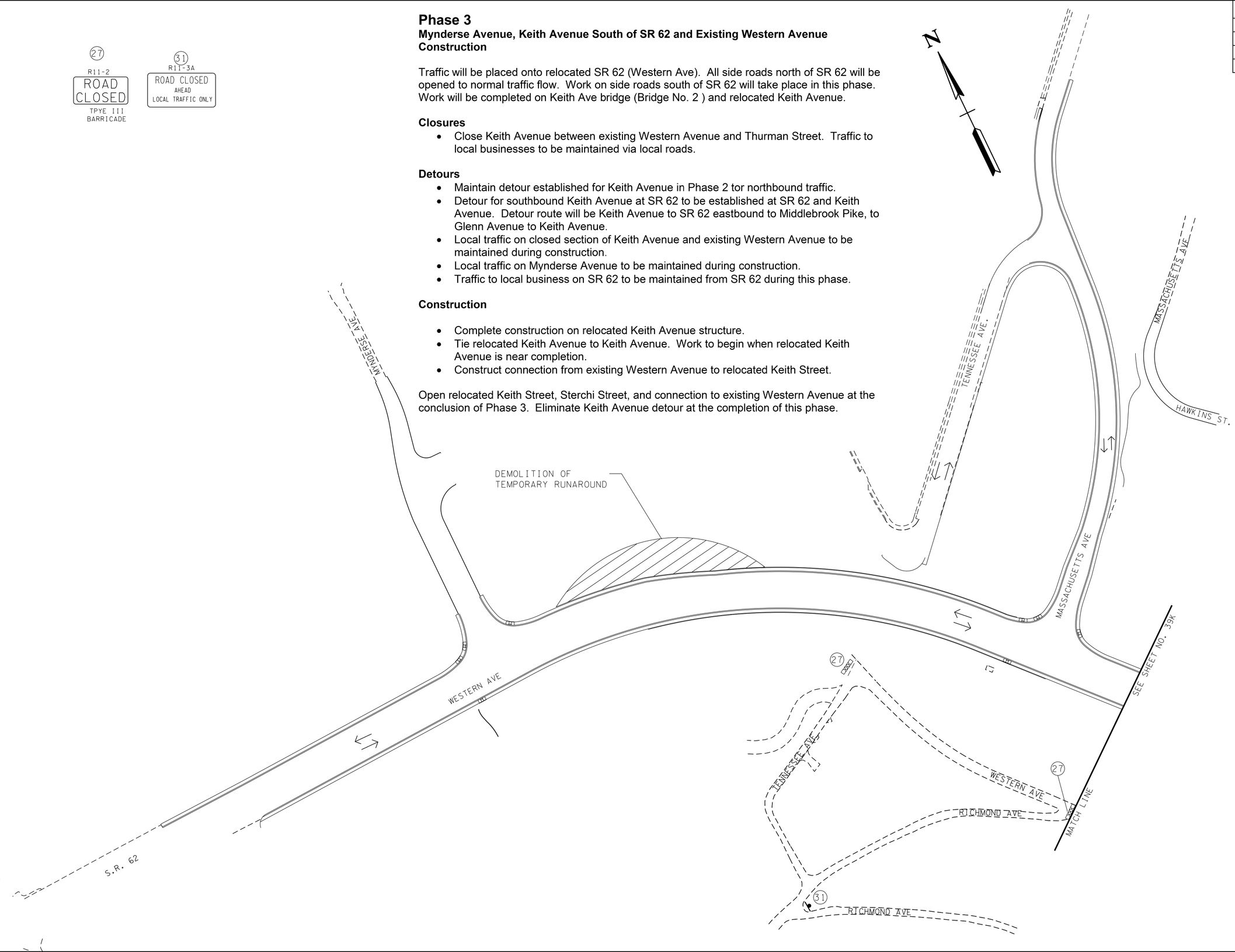
Detours

- Maintain detour established for Keith Avenue in Phase 2 tor northbound traffic.
- Detour for southbound Keith Avenue at SR 62 to be established at SR 62 and Keith Avenue. Detour route will be Keith Avenue to SR 62 eastbound to Middlebrook Pike, to Glenn Avenue to Keith Avenue.
- Local traffic on closed section of Keith Avenue and existing Western Avenue to be maintained during construction.
- Local traffic on Mynderse Avenue to be maintained during construction.
- Traffic to local business on SR 62 to be maintained from SR 62 during this phase.

Construction

- Complete construction on relocated Keith Avenue structure.
- Tie relocated Keith Avenue to Keith Avenue. Work to begin when relocated Keith Avenue is near completion.
- Construct connection from existing Western Avenue to relocated Keith Street.

Open relocated Keith Street, Sterchi Street, and connection to existing Western Avenue at the conclusion of Phase 3. Eliminate Keith Avenue detour at the completion of this phase.



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 3

SCALE: 1"= 100'

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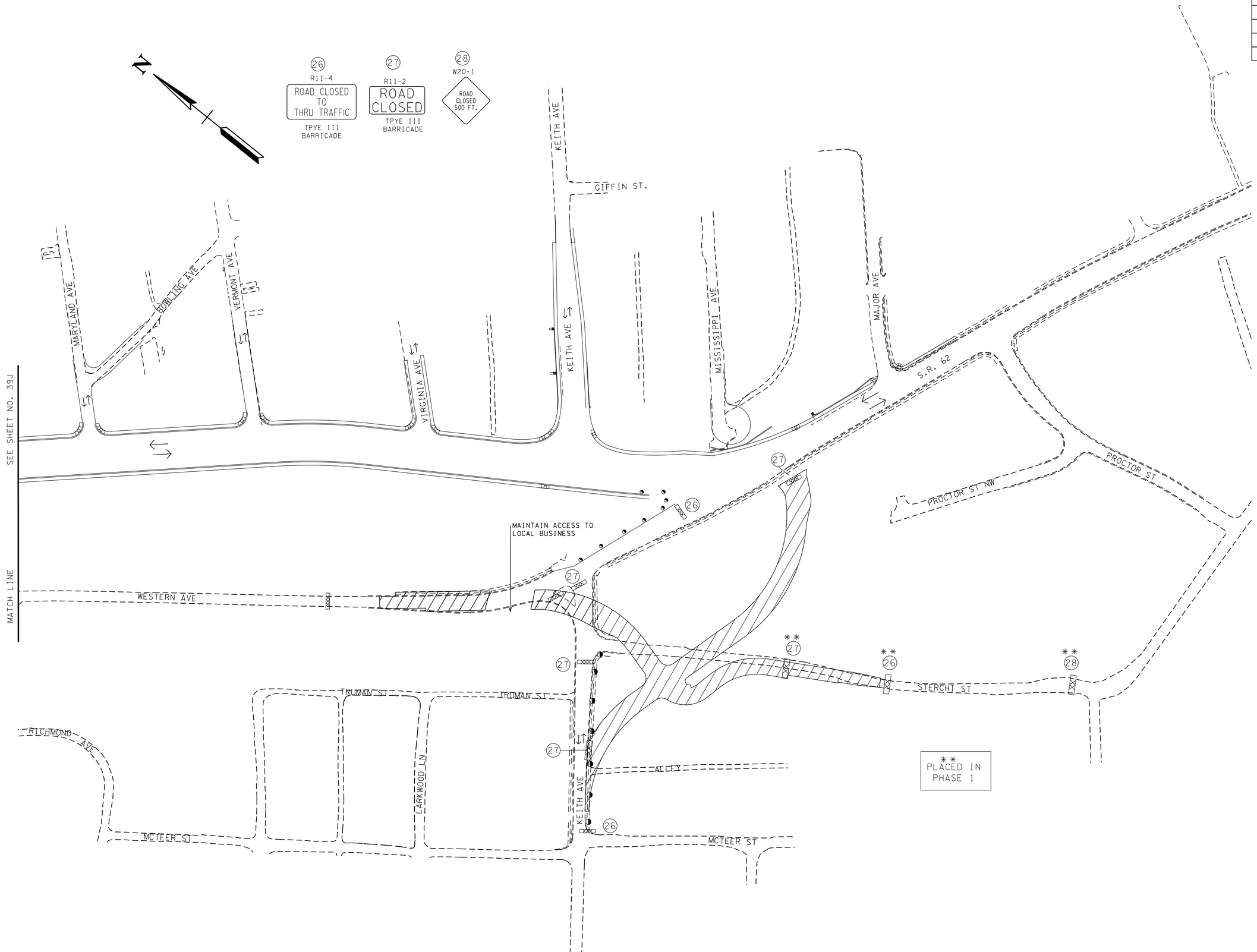
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	39K



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 3

SCALE: 1"=100'

5/4/2016 10:43:36 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	39L

Phase 4

Traffic will be placed on relocated Keith Avenue. Remaining construction items will be completed in this phase.

Closures

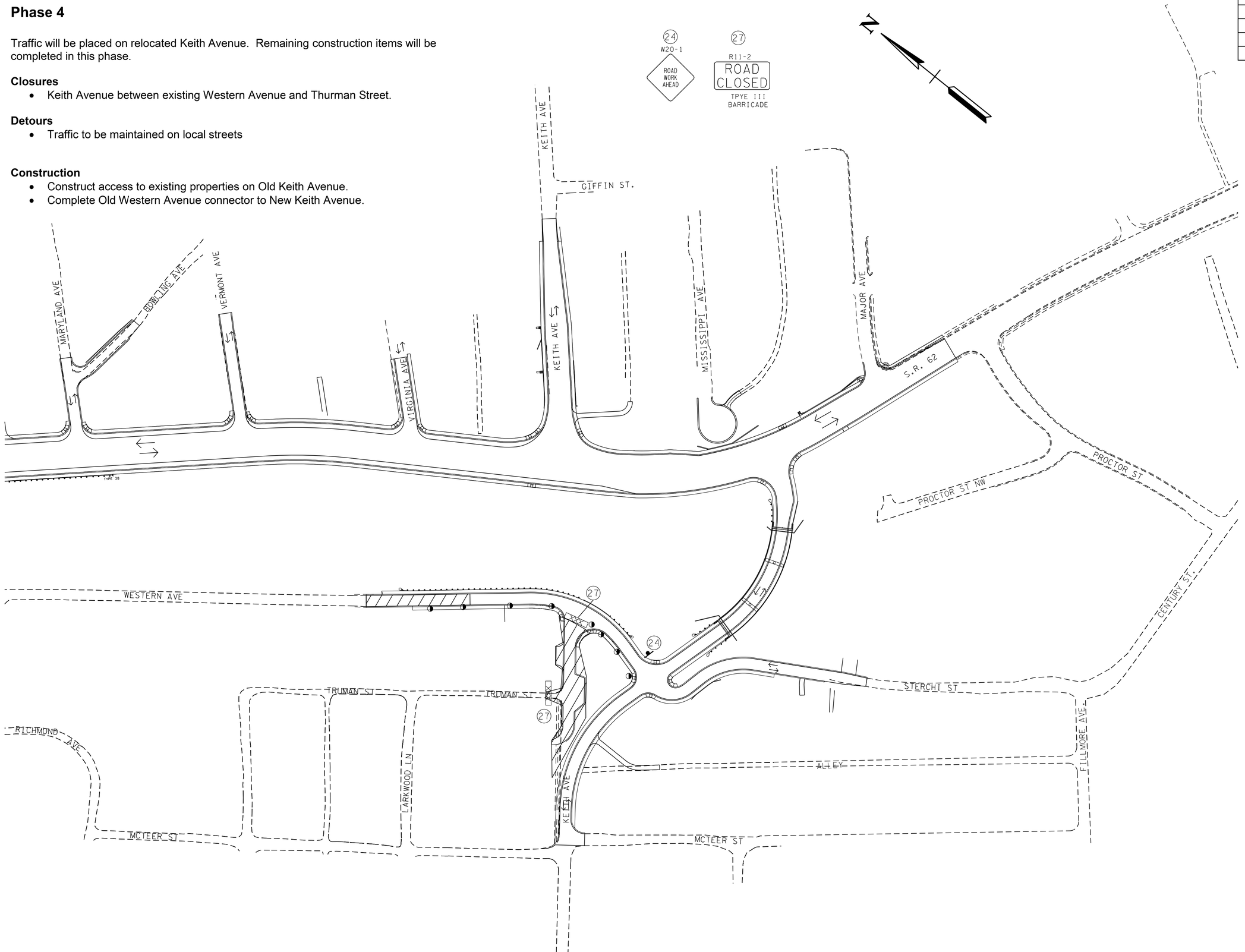
- Keith Avenue between existing Western Avenue and Thurman Street.

Detours

- Traffic to be maintained on local streets

Construction

- Construct access to existing properties on Old Keith Avenue.
- Complete Old Western Avenue connector to New Keith Avenue.



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN PHASE 4

SCALE: 1"=100'

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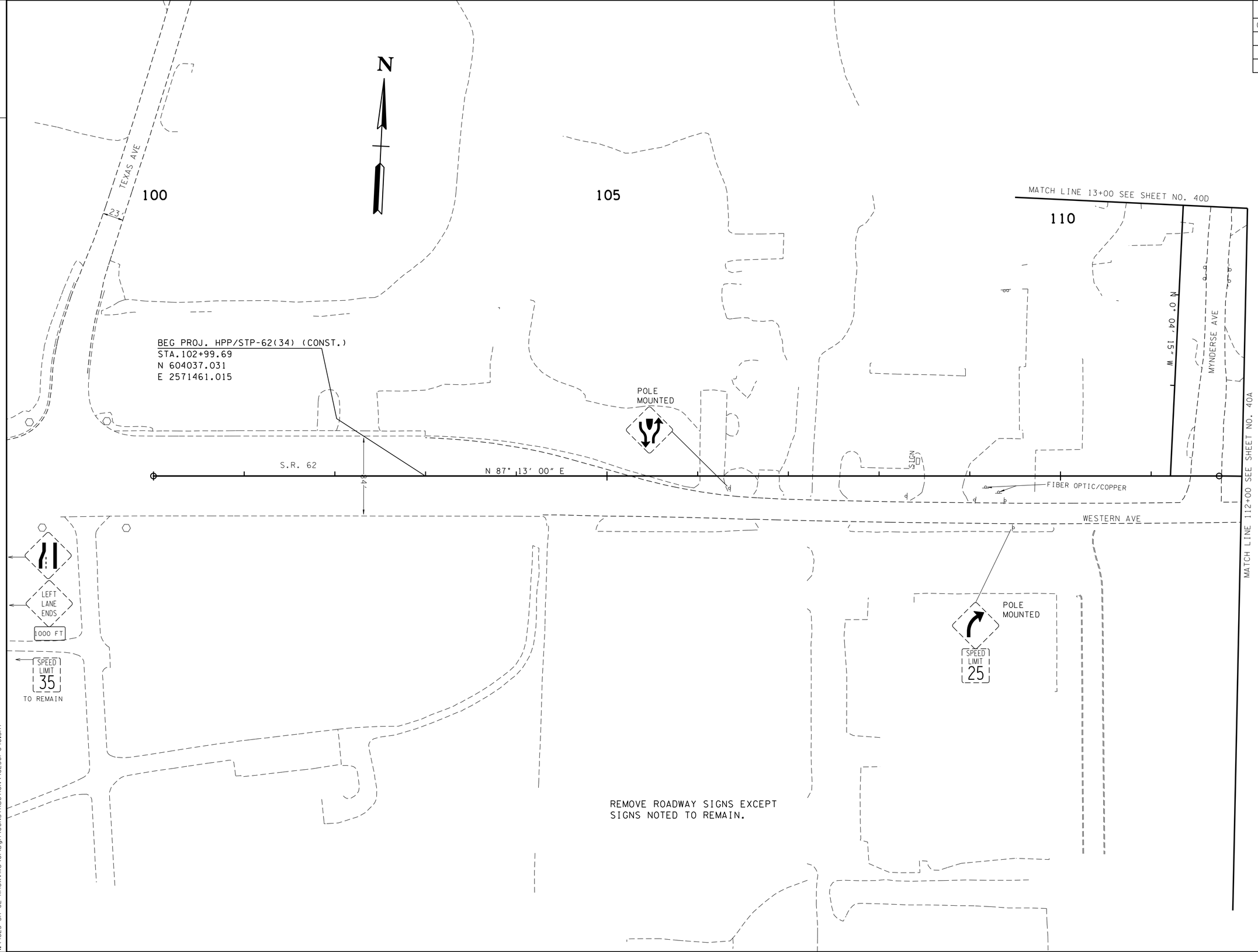
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	40

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



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EXISTING SIGNS

STA. 100+00 TO STA. 112+00

SCALE: 1"= 50'

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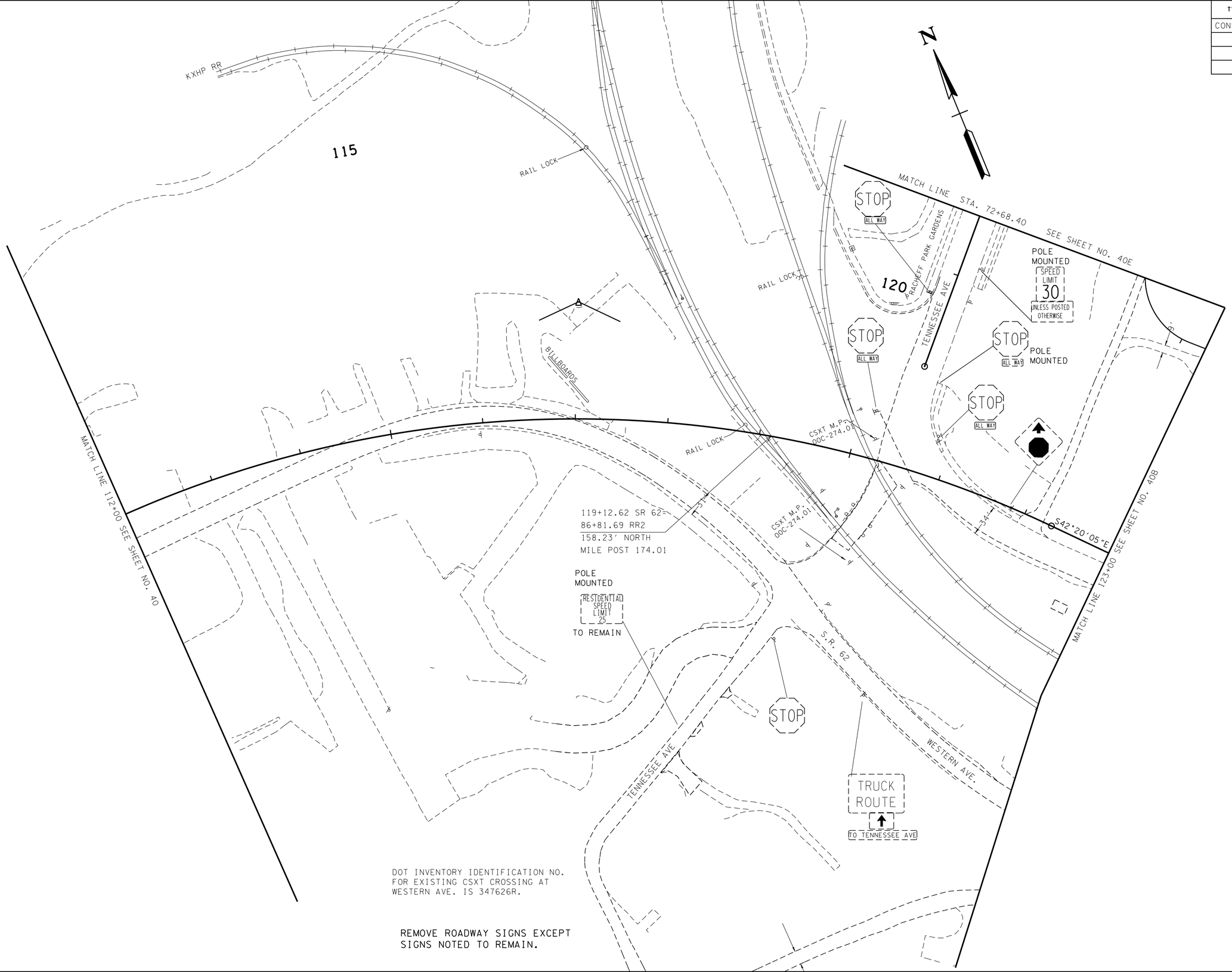
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	40A

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



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EXISTING SIGNS

STA. 112+00 TO STA. 123+00

SCALE: 1"= 50'

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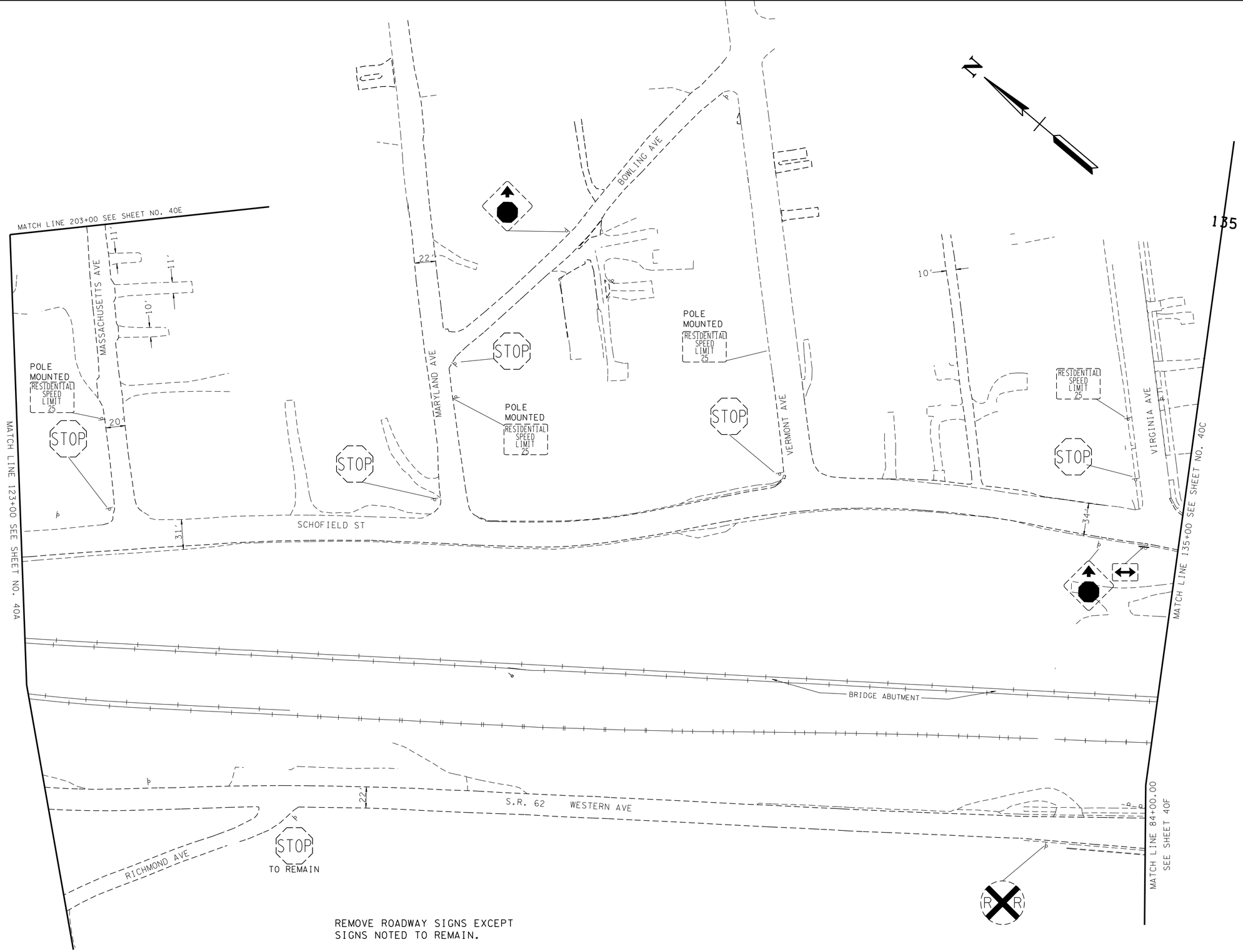
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	40B

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



REMOVE ROADWAY SIGNS EXCEPT SIGNS NOTED TO REMAIN.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EXISTING SIGNS

STA. 123+00 TO STA. 135+00

SCALE: 1"= 50'

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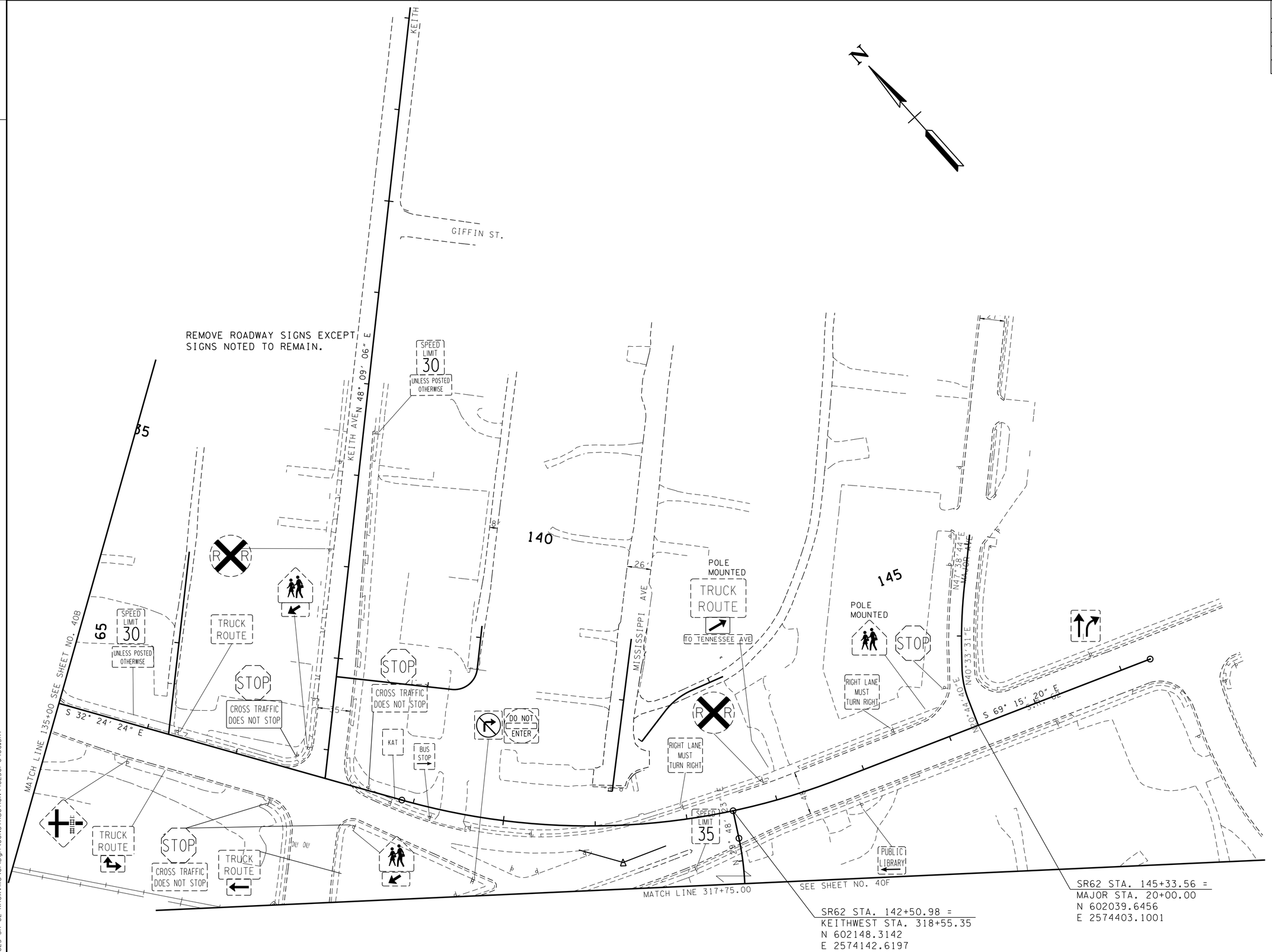
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	40C

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



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 135+00 TO STA. 147+00

SCALE: 1"= 50'

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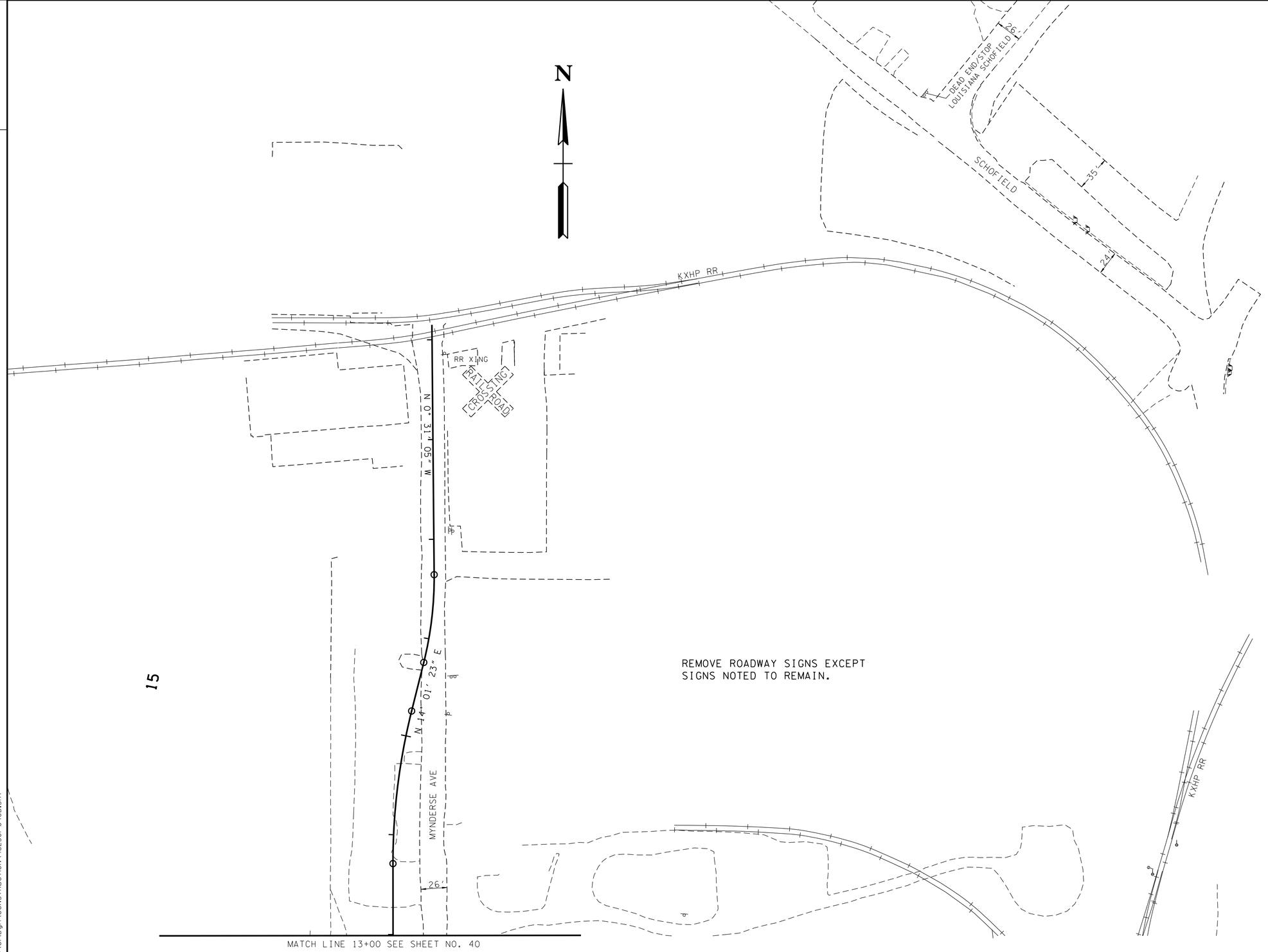
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	40D



REMOVE ROADWAY SIGNS EXCEPT
SIGNS NOTED TO REMAIN.

15

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995)
AND ARE DATUM ADJUSTED BY THE
FACTOR 0.99995 & TIED TO THE TGRN

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EXISTING SIGNS

MYNDERSE AVE.

SCALE: 1"= 50'

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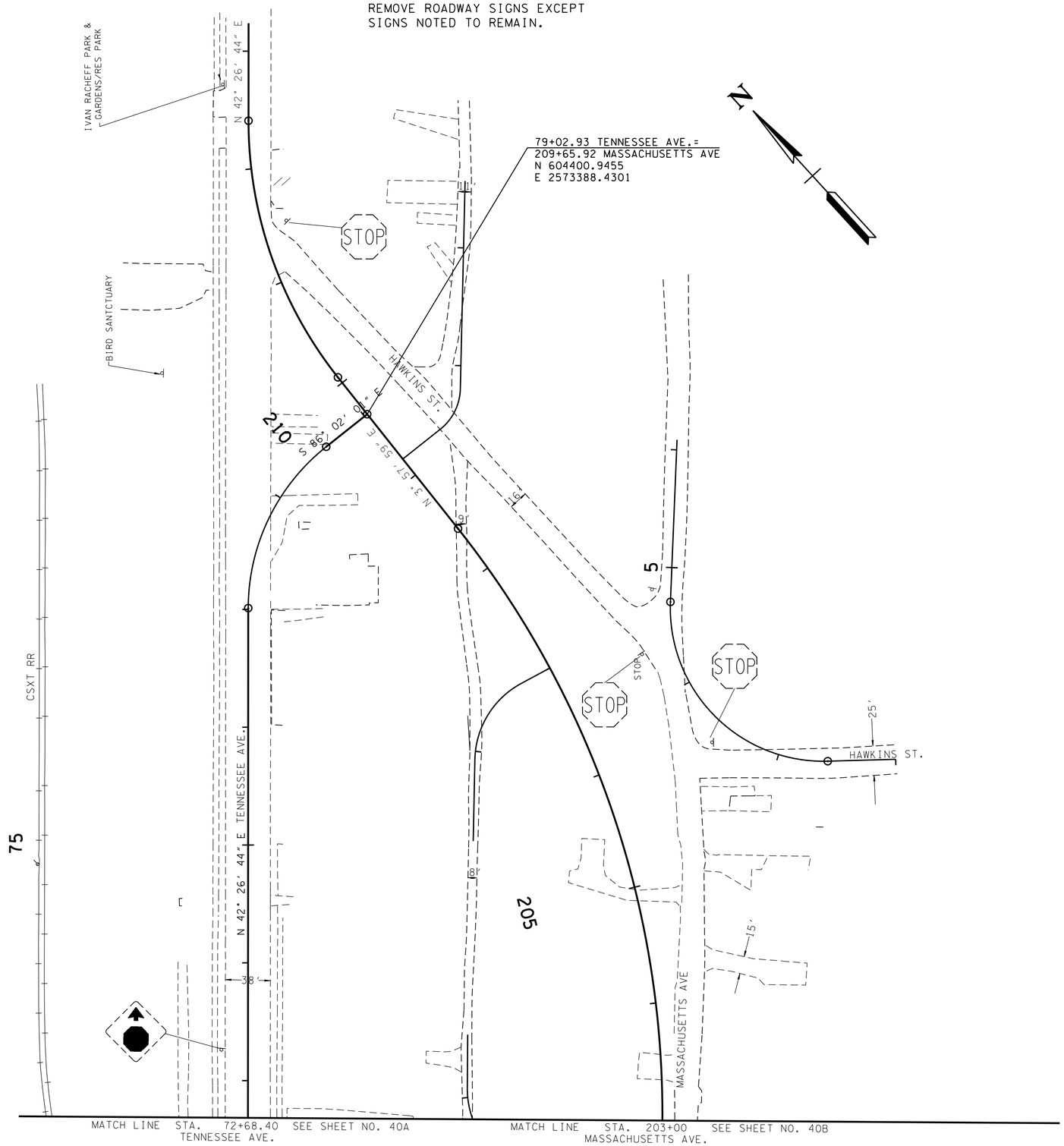
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	40E

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

REMOVE ROADWAY SIGNS EXCEPT
SIGNS NOTED TO REMAIN.



CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995)
AND ARE DATUM ADJUSTED BY THE
FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EXISTING SIGNS

MASSACHUSETTS AVE.

SCALE: 1"= 50'

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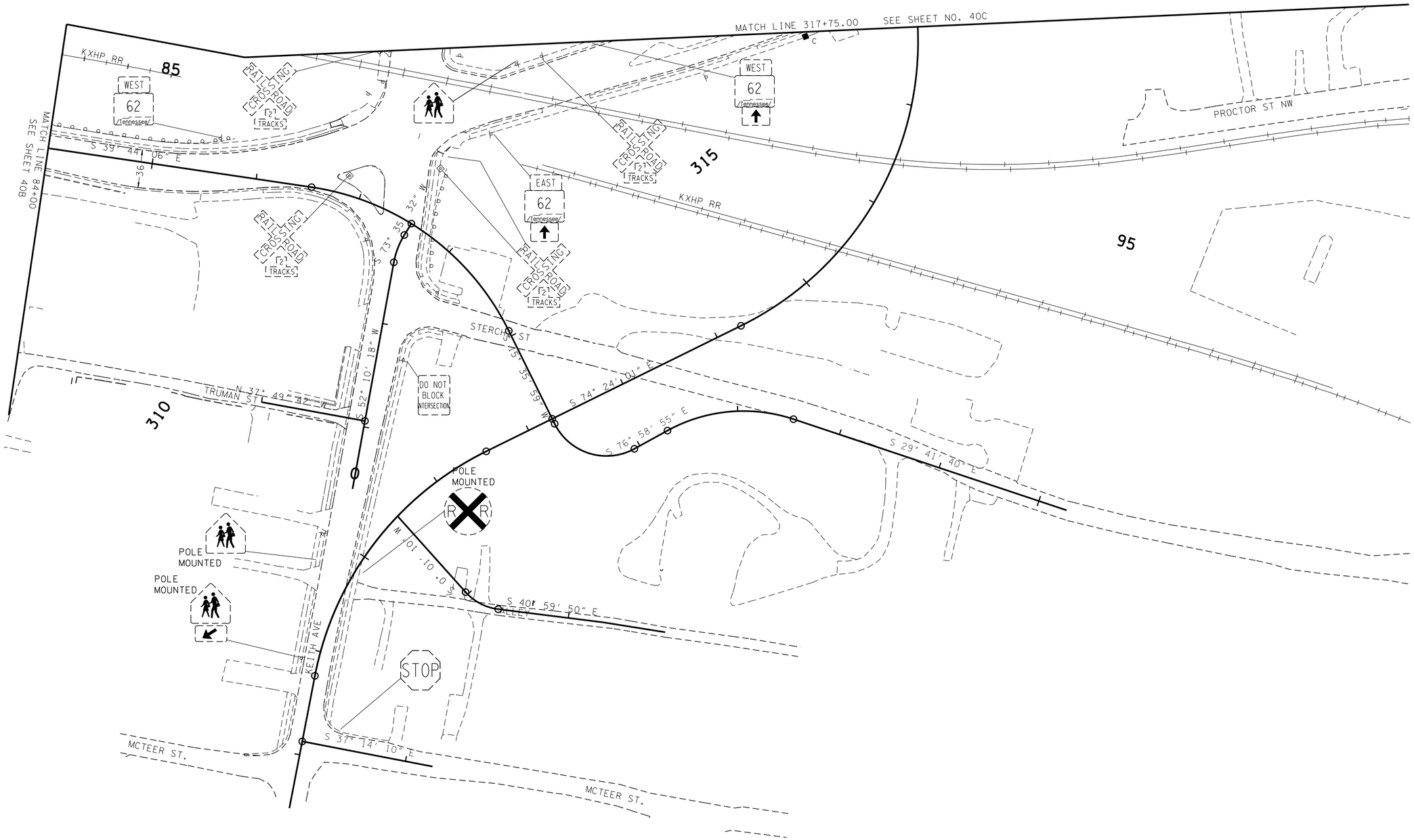
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	40F



REMOVE ROADWAY SIGNS EXCEPT
SIGNS NOTED TO REMAIN.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EXISTING SIGNS

KEITH AVENUE

STA.308+13± TO STA.317+75

SCALE: 1"= 50'

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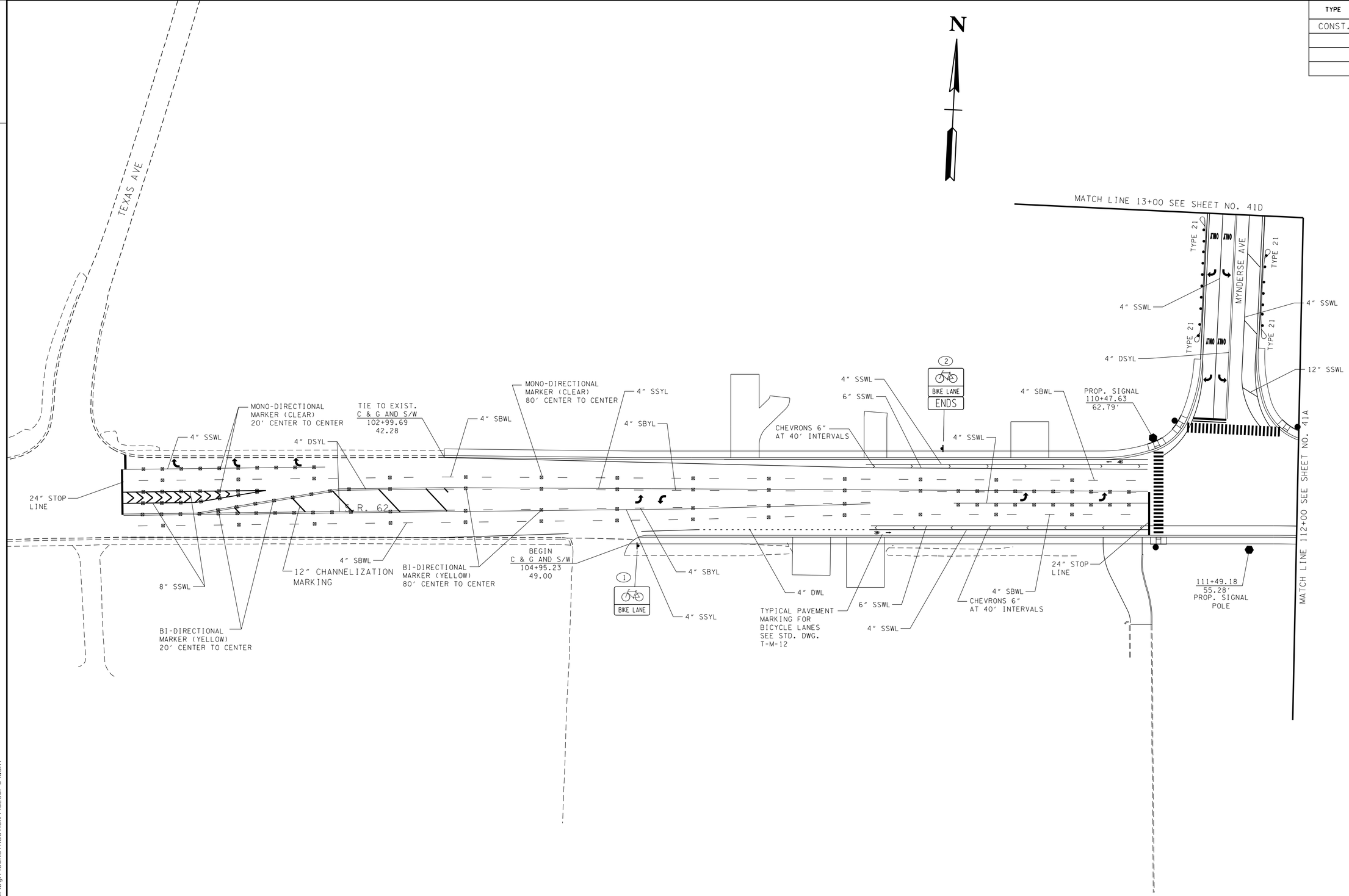
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2013	HPP/STP/NH-62(34)	41

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



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLANS

STA.100+00 TO STA.112+00

SCALE: 1"= 50'

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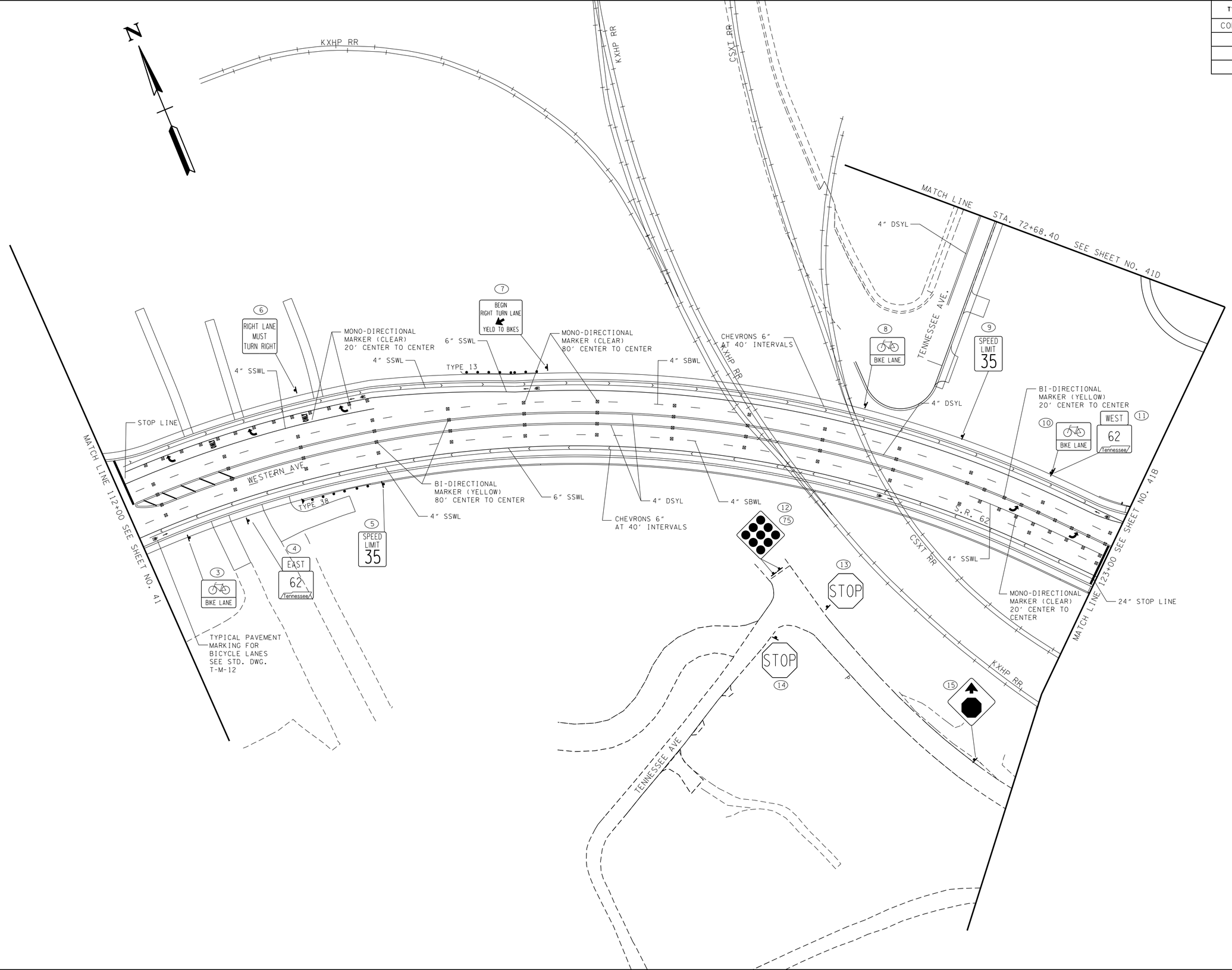
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2013	HPP/STP/NH-62(34)	41A

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



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLANS

STA.112+00 TO STA.123+00

SCALE: 1"= 50'

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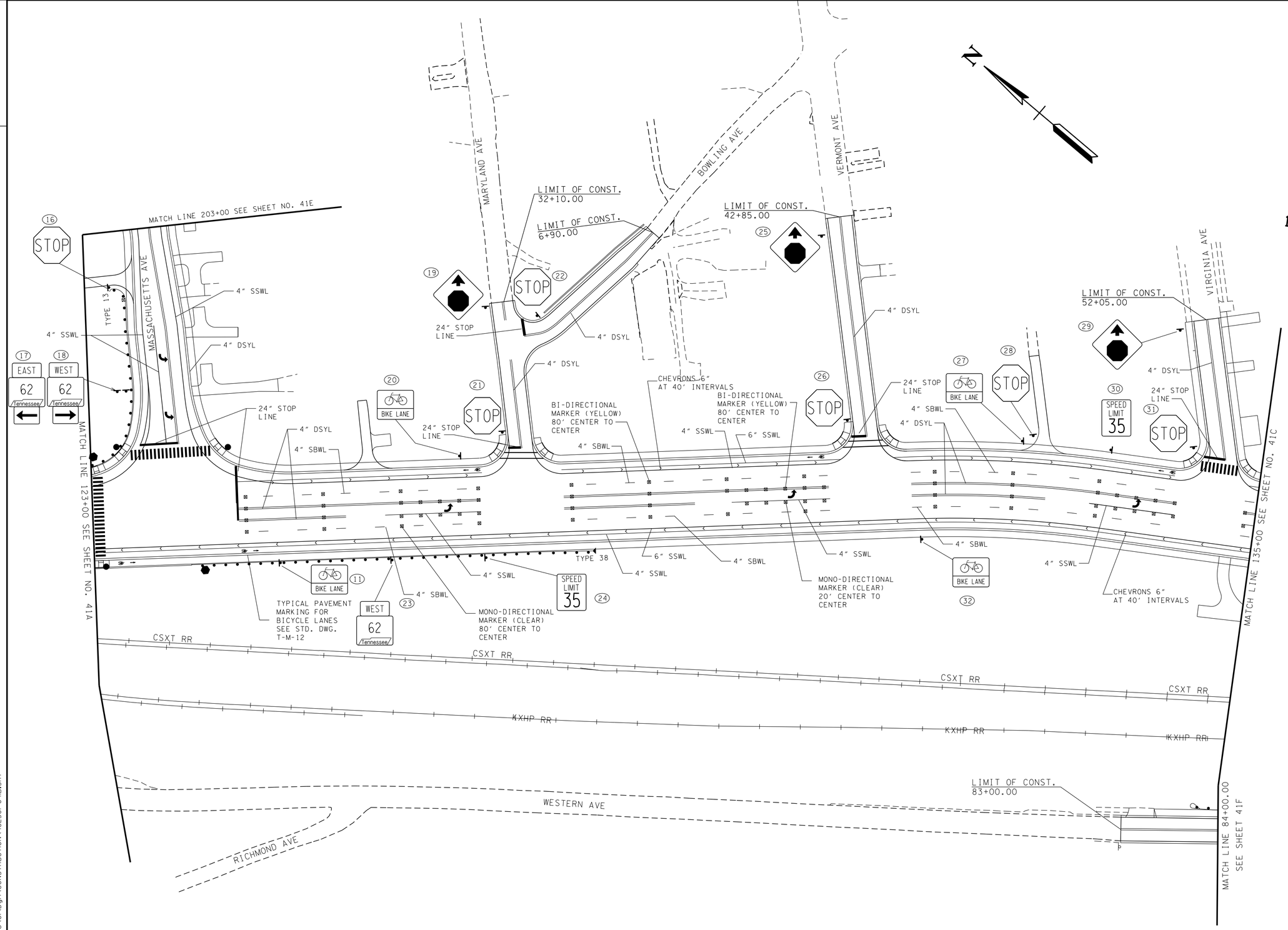
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	41B

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



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TORN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLANS

STA.123+00 TO STA.135+00

SCALE: 1"= 50'

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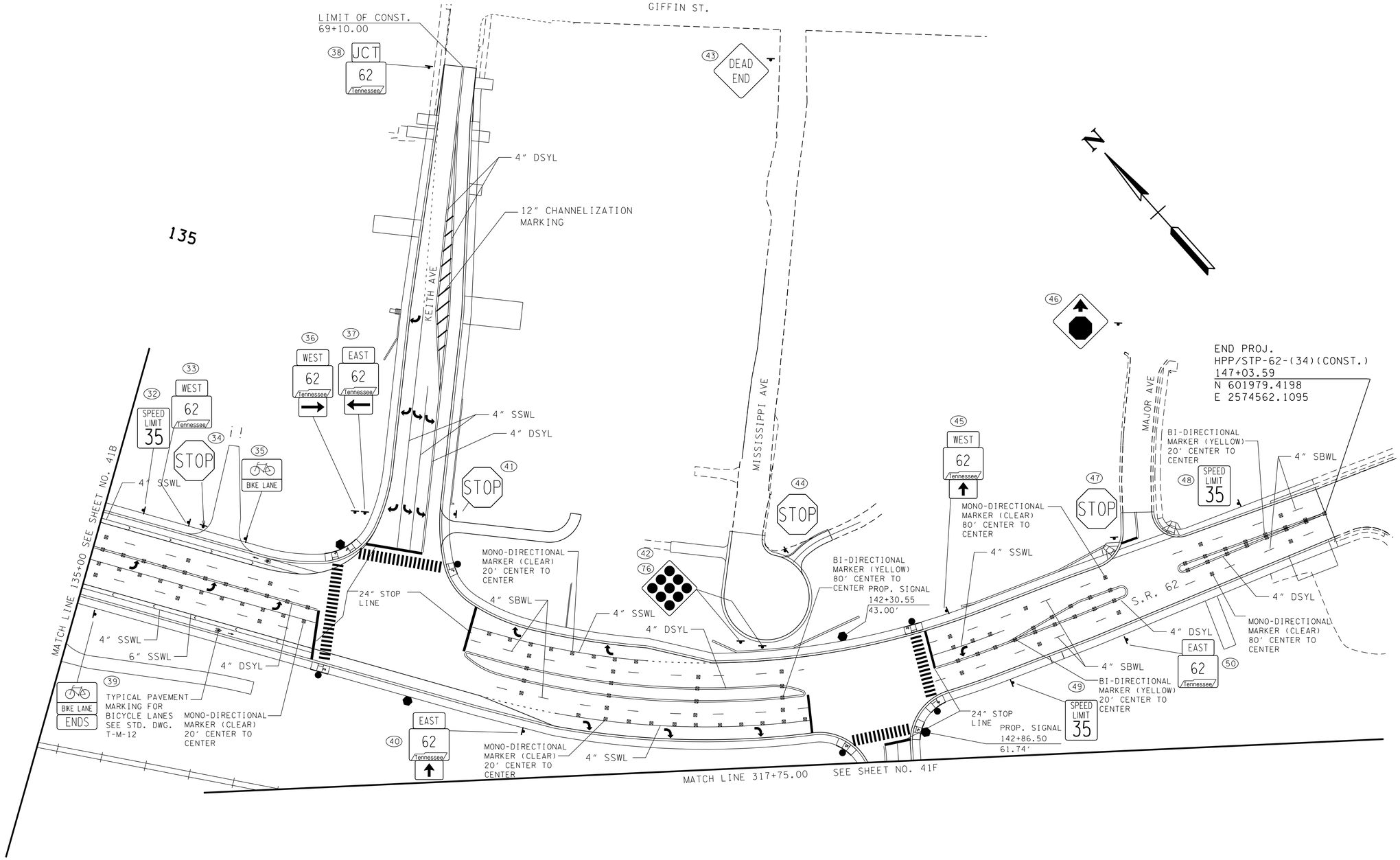
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	41C



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLANS

STA.135+00 TO STA.147+00

SCALE: 1"= 50'

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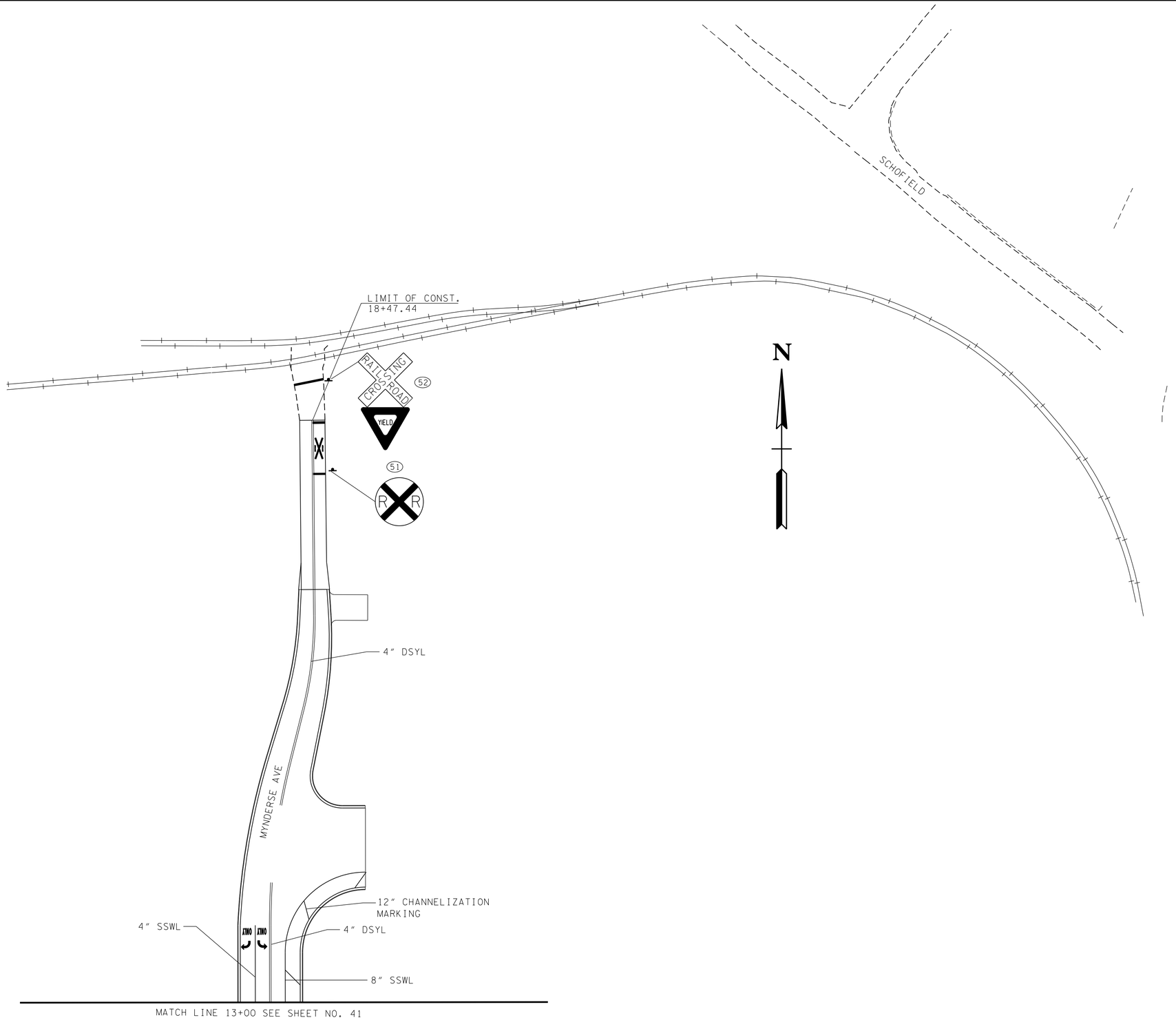
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	41D



CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLANS

MYNDERSE AVE.

SCALE: 1"= 50'

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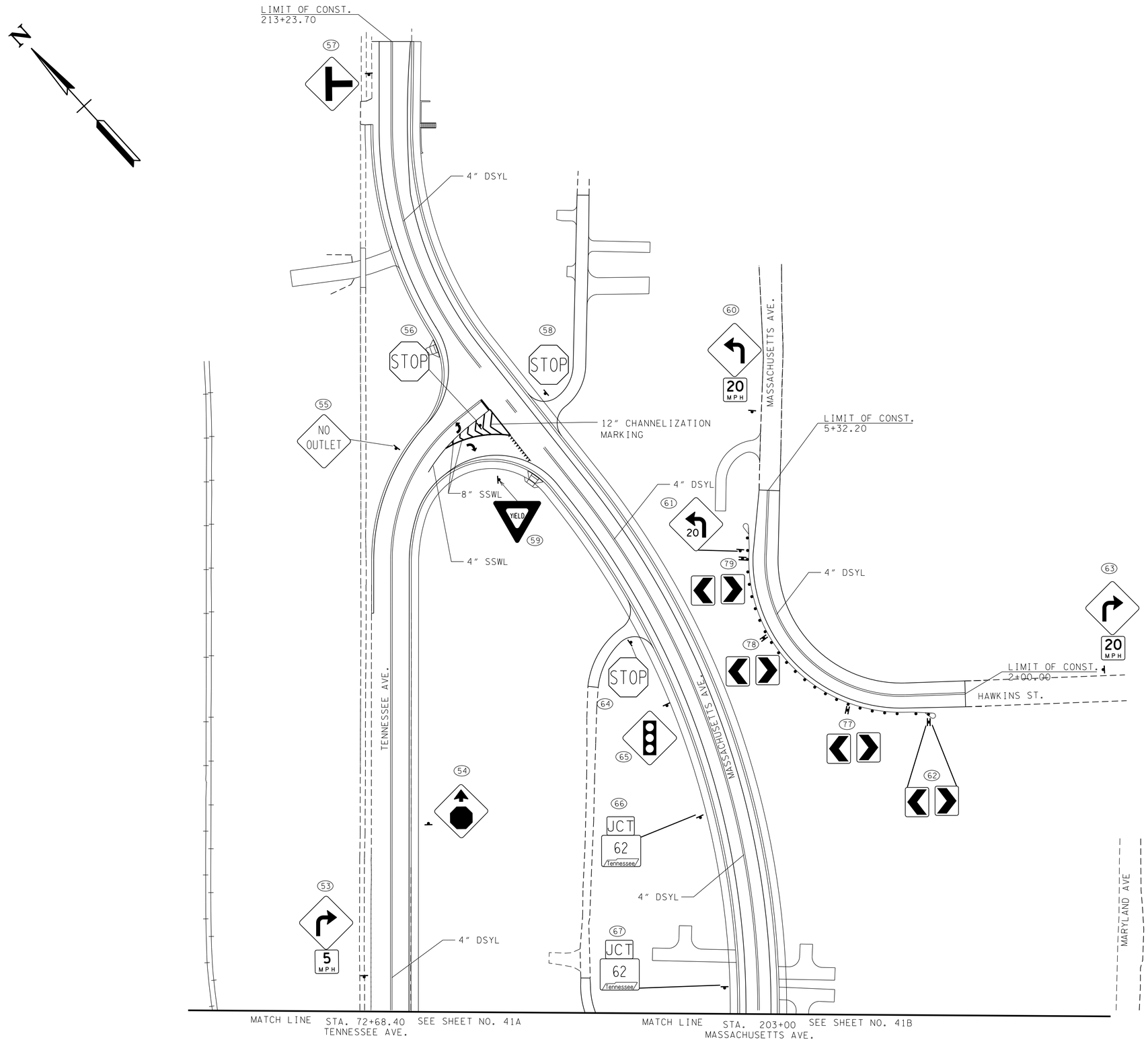
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	41E

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



CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLANS

MASSACHUSETTS AVE.

SCALE: 1"= 50'

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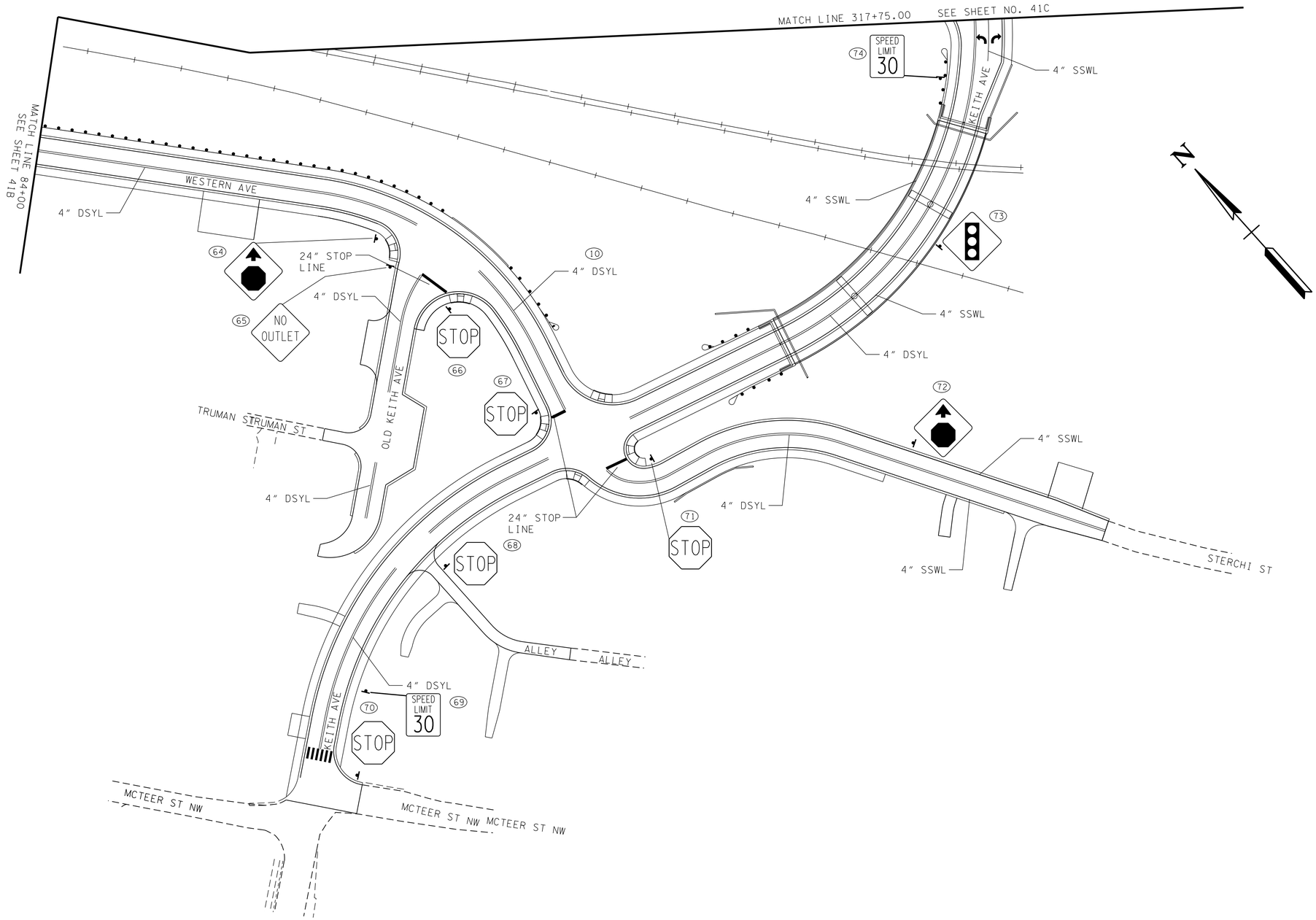
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	41F

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



CONSTRUCTABILITY
FIELD
REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLANS

KEITH AVENUE

SCALE: 1"= 50'

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ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SEE STD. DWG. NO. T-S-19

SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. CU. YD.	REIN STEEL LBS.		
1 3 8 10 11 20 27 32 35	BIKE LANE R3-17	41 41A 41A 41A 41B 41B 41B 41B 41C	24"	18"									BLACK (REF)	WHITE (REF)	0.080" SHEET ALUM.	P8	L=11'-6"				7'-0"	
2 39	BIKE LANE R3-17 ENDS R3-17bp	41 41C	24" 24"	18" 8"									BLACK (REF)	WHITE (REF)	0.080" SHEET ALUM.	P8	L=12'-6"				7'-0"	
4 23 40 50	EAST M3-2 62 TN-6C Tennessee	41A 41B 41C 41C	24" 30"	12" 24"							24"X24"		BLACK (REF)	WHITE (REF)	0.080" SHEET ALUM.	P8	L=13'-6"				7'-0"	
11 33	WEST M3-4 62 TN-6C Tennessee	41A 41C	24" 30"	12" 24"							24"X24"		BLACK (REF)	WHITE (REF)	0.080" SHEET ALUM.	P8	L=13'-6"				7'-0"	
17 37	EAST M3-2 62 TN-6C Tennessee M6-1L	41B 41C	24" 30" 21"	12" 24" 15"							24"X24"		BLACK (REF)	WHITE (REF)	0.080" SHEET ALUM.	P8	L=14'-6"				7'-0"	
18 36	WEST M3-4 62 TN-6C Tennessee M6-1R	41B 41C	24" 30" 21"	12" 24" 15"							30"X24"		BLACK (REF)	WHITE (REF)	0.080" SHEET ALUM.	P8	L=13'-6"				7'-0"	
13 14 16 21 22 26 28 31 34 41 44 47 56 58 64 66 67 68 70 71	STOP R1-1	41A 41A 41B 41B 41B 41B 41B 41B 41C 41C 41C 41C 41E 41E 41E 41F 41F 41F 41F 41F	30"	30"									BLACK (REF)	WHITE (REF)	0.080" SHEET ALUM.	U6	L=14'-0"				7'-0"	
15 19 25 29 46 54 64 72	W3-1	41A 41B 41B 41B 41C 41E 41F 41F	30"	30"									RED (REF)	YELLOW (REF)	0.080" SHEET ALUM.		L=15'-6"				7'-0"	
12 75 42 76	OM4-1	41A 41A 41C 41C	30"	30"									RED (REF)	RED (REF)	0.080" SHEET ALUM.	U6					7'-0"	TO BE PAID UNDER ITEM NO 713-16.07 PER EACH

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	42

CONSTRUCTABILITY FIELD REVIEW

U-POST SUBSTITUTION TABLE

BID ITEM 713-11.01	SUBSTITUTION ALLOWED
2#/FT. U1	2#/FT. MUI OR 2#/FT. R1
2.5#/FT. U3	2.5#/FT. MU3 OR 3#/FT. R2*
3#/FT. U6	
4#/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5#/FT.

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

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ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SEE STD. DWG. NO. T-S-19

SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. CU. YD.	REIN STEEL LBS.		
6	RIGHT LANE MUST TURN RIGHT R3-7R	41A	30"	30"									BLACK (REF)	WHITE (REF)	0.100" SHEET ALUM.	P8	L=13'-6"				7'-0"	
7	BEGIN RIGHT TURN LANE YIELD TO BIKES R4-4	41A	36"	30"									BLACK (REF)	WHITE (REF)	0.100" SHEET ALUM.	P8	L=13'-6"				7'-0"	
5 9 24 30 32 48 49	SPEED LIMIT 35 R2-1	41A 41A 41B 41B 41C 41C 41C	24"	30"									BLACK (REF)	WHITE (REF)	0.100" SHEET ALUM.	P8	L=13'-6"				7'-0"	
45	WEST M3-4 62 TN-6C Tennessee M6-3	41C	24" 30" 21"	12" 24" 15"							30"X24"		BLACK (REF)	WHITE (REF)	0.080" SHEET ALUM.	P8	L=13'-6"				7'-0"	
43 66 67	JCT M2-1 62 TN-6C Tennessee	41C 41E 41E	21" 30"	15" 24"							30"X24"		BLACK (REF)	WHITE (REF)	0.080" SHEET ALUM.	P8	L=12'-6"				7'-0"	
57 57	W2-2R	41E	30"	30"									BLACK (REF)	YELLOW (REF)	0.080" SHEET ALUM.	U6	L=13'-6"				7'-0"	
60	W1-2L SPEED LIMIT 20 R2-1	41E	30" 24"	30" 30"									BLACK (REF) BLACK (REF)	YELLOW (REF) WHITE (REF)	0.080" SHEET ALUM. 0.100" SHEET ALUM.	P8	L=16'-6"				7'-0"	
63	W1-1R SPEED LIMIT 20 R2-1	41E	30" 24"	30" 30"									RED (REF) BLACK (REF)	YELLOW (REF) WHITE (REF)	0.080" SHEET ALUM. 0.100" SHEET ALUM.	P8	L=16'-6"				7'-0"	
59	YIELD R1-2	41E	36" 36"	36"									RED (REF)	WHITE (REF)	0.080" SHEET ALUM.	U6	L=14'-6"				7'-0"	
61	20 W1-1A	41E	30"	30"									BLACK (REF)	YELLOW (REF)	0.080" SHEET ALUM.	U6	L=13'-6"				7'-0"	
62 77 78 79	W1-8L W1-8R	41E 41E 41E 41E	18"	24"									BLACK (REF)	YELLOW (REF)	0.080" SHEET ALUM.	P8	L=12'-6"				7'-0"	MOUNT BACK TO BACK
43	DEAD END W14-1	41C	30"	30"									BLACK (REF)	YELLOW (REF)	0.080" SHEET ALUM.	U6					7'-0"	TO BE PAID UNDER ITEM NO 713-16.06 PER EACH

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	42A

CONSTRUCTABILITY FIELD REVIEW

U-POST SUBSTITUTION TABLE

BID ITEM 713-11.01	SUBSTITUTION ALLOWED
2#/FT. U1	2#/FT. MU1 OR 2#/FT. R1
2.5#/FT. U3	2.5#/FT. MU3 OR 3#/FT. R2*
3#/FT. U6	
4#/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5#/FT.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

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ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SEE STD. DWG. NO. T-S-19

SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. CU. YD.	REIN STEEL LBS.		
53	W1-2R W13-1P (5 MPH)	41E	30" 18"	36" 18"									BLACK (REF) BLACK (REF)	YELLOW (REF) WHITE (REF)	0.080" SHEET ALUM. 0.080" SHEET ALUM.	P8	L=15'-6"				7'-0"	
55	W14-2 (NO OUTLET)	41E	30"	30"									BLACK (REF)	YELLOW (REF)	0.080" SHEET ALUM.	UG	L=13'-6"				7'-0"	
52	R15-1 (RAILROAD CROSSING) R1-2 (YIELD)	41D	48" 36" 36" 36"	9"									BLACK (REF) RED (REF)	WHITE (REF) WHITE (REF)	0.080" SHEET ALUM. 0.080" SHEET ALUM.	P8	L=14'-6"				7'-0"	
51	W10-1 (R R)	41D	36" DIA.										BLACK (REF)	YELLOW (REF)	0.100" SHEET ALUM.	P8	L=13'-6"				7'-0"	
65 73	W3-3	41E 41F	30"	30"									RED (REF) GREEN (REF)	YELLOW (REF)	0.100" SHEET ALUM.	P8	L=13'-6"				7'-0"	
69 74	R2-1 (SPEED LIMIT 30)	41F 41F	24"	30"									BLACK (REF)	WHITE (REF)	0.100" SHEET ALUM.	P8	L=13'-6"				7'-0"	
40	M3-2 (EAST) TN-6C (62 Tennessee) M6-3	41C	24" 21"	12" 15"							30"X24"		BLACK (REF)	WHITE (REF)	0.080" SHEET ALUM.	P8	L=13'-6"				7'-0"	

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP/NH-62(34)	42B

CONSTRUCTABILITY FIELD REVIEW

U-POST SUBSTITUTION TABLE

BID ITEM 713-11.01	SUBSTITUTION ALLOWED
2#/FT. U1	2#/FT. MUI OR 2#/FT. R1
2.5#/FT. U3	2.5#/FT. MU3 OR 3#/FT. R2*
3#/FT. U6	
4#/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5#/FT.

SEALED BY

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DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	HPP/STP/NH-62(34)	43

SIGNAL PHASING DIAGRAM

Ø1	Ø2	NOT USED Ø3	Ø4
NOT USED Ø5	Ø6	NOT USED Ø7	NOT USED Ø8

-PROT/PERM LEFT-TURN: Ø1
-MIN RECALL: Ø2,Ø6
-FLASHING OPERATION: YELLOW - Ø2,Ø6; RED - Ø4
-SB RIGHT PROTECTED PHASE CONCURRENT WITH Ø1 ONLY.
RT. ARROWS SHALL NOT BE ACTIVE DURING Ø4
-WB RIGHT PROTECTED PHASE CONCURRENT WITH Ø4 ONLY.
RT. ARROWS SHALL NOT BE ACTIVE DURING Ø2

EMERGENCY PREEMPTION

-EP-1: Ø2
-EP-2: Ø4
-EP-3: Ø1+Ø6

SIGNAL HEADS

TYPE 150A2L W/ BACKPLATE 12" L.E.D. — 1

TYPE 130 W/ BACKPLATE 12" L.E.D. — 2,6

TYPE 140A1L W/ BACKPLATE 12" L.E.D. — 4

TYPE 150 A2V 12" L.E.D. POLE MOUNT — 2P

TYPE 150A2L W/ BACKPLATE 12" L.E.D. — 2R,4R

COUNTDOWN PEDESTRIAN SIGNAL 16" L.E.D. — 9,10

NOTE: SIGNAL INDICATIONS SHALL BE LED DURALIGHT OR GELCORE OR APPROVED EQUIVALENT PER CITY SPECIFICATIONS.

SIGNS

LEFT TURN YIELD ON GREEN — R10-12 30"×36" A

R10-3E 9"×15"

R10-3E 9"×15"

LEGEND

EP-# = EMERGENCY PREEMPTION DETECTOR

D# = RADAR DETECTION UNIT

SNS-# = STREET NAME SIGN

OVERHEAD STREET NAME SIGNS

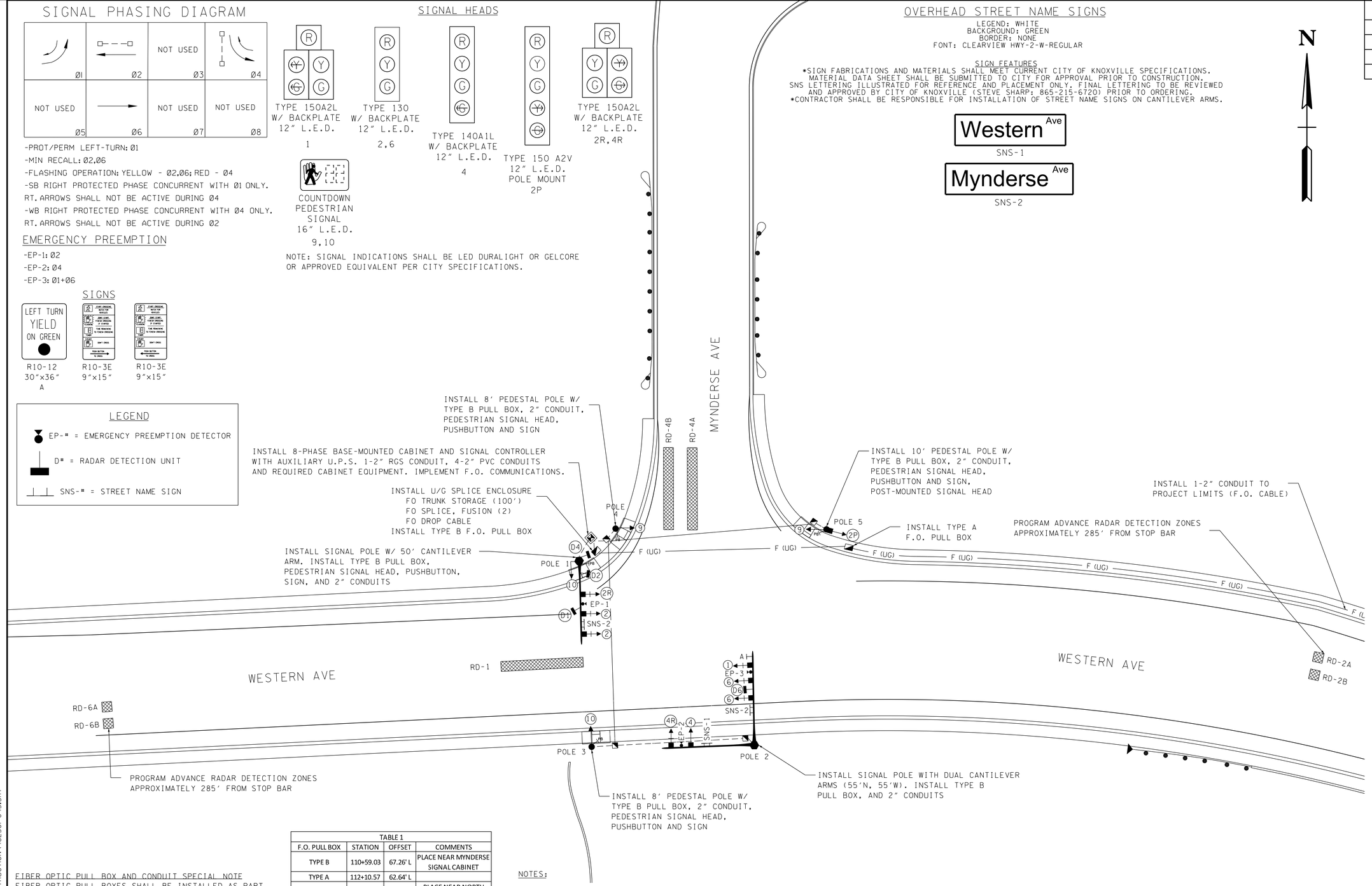
LEGEND: WHITE
BACKGROUND: GREEN
BORDER: NONE
FONT: CLEARVIEW HWY-2-W-REGULAR

SIGN FEATURES
*SIGN FABRICATIONS AND MATERIALS SHALL MEET CURRENT CITY OF KNOXVILLE SPECIFICATIONS. MATERIAL DATA SHEET SHALL BE SUBMITTED TO CITY FOR APPROVAL PRIOR TO CONSTRUCTION. SNS LETTERING ILLUSTRATED FOR REFERENCE AND PLACEMENT ONLY. FINAL LETTERING TO BE REVIEWED AND APPROVED BY CITY OF KNOXVILLE (STEVE SHARP: 865-215-6720) PRIOR TO ORDERING.
*CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF STREET NAME SIGNS ON CANTILEVER ARMS.

Western Ave — SNS-1

Mynderse Ave — SNS-2

N



FIBER OPTIC PULL BOX AND CONDUIT SPECIAL NOTE

FIBER OPTIC PULL BOXES SHALL BE INSTALLED AS PART OF PROJECT FOR INSTALLATION OF FIBER OPTIC CABLE. PULL BOXES INCLUDE TYPE A AND TYPE B F.O. PULL BOXES. SEE TABLE 1 FOR DETAILS ON TYPE AND POSITIONS OF PULL BOXES. FINAL POSITION OF PULL BOXES SHALL BE FIELD LOCATED PRIOR TO CONSTRUCTION WITH ENGINEER. 2" CONDUIT SHALL BE INSTALLED WITHIN COMPLETE LIMITS OF PROJECT STATIONING AS SHOWN IN TABLE 1. PAYMENT FOR 2" PVC CONDUIT TO BE MADE UNDER ITEM NUMBER 730-12.18, EXCEPT WHERE BORED (ITEM NUMBER 730-12.16). CONTRACTOR MAY ELECT TO BORE ALL OR PORTIONS OF I.T.S. CONDUIT BUT CONDUIT WILL BE PAID AT TRENCHED BID AMOUNT WHERE, IN THE JUDGEMENT OF THE ENGINEER, CONDUIT COULD BE INSTALLED BY TRENCHING.

TABLE 1

F.O. PULL BOX	STATION	OFFSET	COMMENTS
TYPE B	110+59.03	67.26' L	PLACE NEAR MYNDERSE SIGNAL CABINET
TYPE A	112+10.57	62.64' L	
TYPE A	116+56.16	46.20' L	PLACE NEAR NORTH END OF BRIDGE
TYPE A	122+68.52	46.97' L	PLACE NEAR SOUTH END OF BRIDGE
TYPE B	124+66.16	51.14' L	PLACE NEAR MASS. SIGNAL CABINET
TYPE A	124+60.88	45.79' R	
TYPE A	128+18.67	45.62' R	
TYPE A	131+35.58	51.22' R	
TYPE A	134+92.34	45.89' R	
TYPE B	138+42.84	46.83' R	PLACE NEAR KEITH AVE SIGNAL CABINET
TYPE A	140+21.85	55.46' R	
TYPE B	142+07.83	64.67' R	PLACE NEAR KEITH AVE SIGNAL CABINET

NOTES:

1. CONTRACTOR TO COORDINATE WITH UTILITY OWNER AND ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE LOCATION OF POWER SERVICE SOURCE. POWER SERVICE SOURCE PENDING FINAL RELOCATION OF POWER FACILITIES BY UTILITY OWNER. FINAL CONDUIT PATH FOR POWER SERVICE TO CABINET MAY BE MODIFIED, CONFIRMED PRIOR TO CONSTRUCTION WITH PRIOR APPROVAL FROM ENGINEER.

2. CABINET FOUNDATION SHALL INCLUDE INSTALLATION OF TWO (2) - 2" SPARE CONDUIT STUBS FOR FUTURE.

3. PEDESTRIAN SIGNALS TO BE LED DURALIGHT OR GELCORE FULLY POPULATED COUNTDOWN PEDESTRIAN DISPLAYS OR APPROVED EQUIVALENT. PUSHBUTTONS TO BE ADA COMPLIANT VANDAL PROOF 2-INCH PEDESTRIAN PUSHBUTTONS.

4. CONTRACTOR TO PROVIDE PULLBOX FOR EACH SUPPORT STRUCTURE. GROUND ROD MUST BE PROVIDED WITH EACH INSTALLED PULLBOX.

POLE SCHEDULE

POLE	MAST ARM LENGTH	MAST ARM ATTACH HT	NORTHING	EASTING	STATION*	OFFSET*	FOOTING DEPTH	FOOTING DIA.	FOOTING GRD. ELEV.
1	50'	21'	604135.0769	2571780.6199	110+48.36	61.77'L	15'	3'	-
2	55'N,55'W	21'	604023.1073	2571887.0158	111+49.19	55.24'R	15'	3'	-
3	-	-	604022.1120	2571788.2491	110+50.50	51.44'R	3'	2'	-
4	-	-	604154.7414	2571802.7808	110+71.45	80.33'L	3'	2'	-
5	-	-	604154.2732	2571930.9088	111+97.99	73.88'L	3'	2'	-

* POLE LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED PER THE SPECIAL NOTES. FINAL POLE POSITIONS SHALL BE STAKED AND FIELD APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.
** POLES 3, 4 AND 5 ARE PEDESTAL POLES.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGNAL LAYOUT

MYNDERSE AVE AT WESTERN AVE

SCALE: 1"=30'

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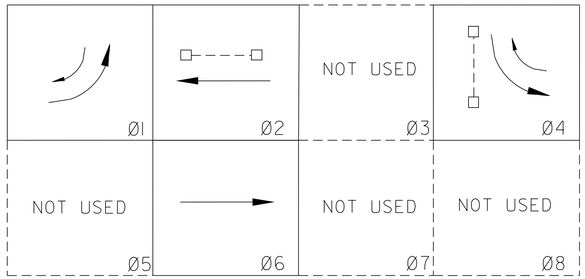
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	HPP/STP/NH-62(34)	43A

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

SIGNAL PHASING DIAGRAM



EIGHT PHASE SEQUENCING

ACTIVE PHASE

INACTIVE PHASE (NOT USED)

-PROT/PERM LEFT-TURN: Ø1
-MIN RECALL: Ø2,Ø6
-COORD PHASE: Ø2,Ø6
-SB RIGHT PROTECTED PHASE CONCURRENT WITH Ø1 ONLY.
RT. ARROWS SHALL NOT BE ACTIVE DURING Ø4
-WB RIGHT PROTECTED PHASE CONCURRENT WITH Ø4 ONLY.
RT. ARROWS SHALL NOT BE ACTIVE DURING Ø2

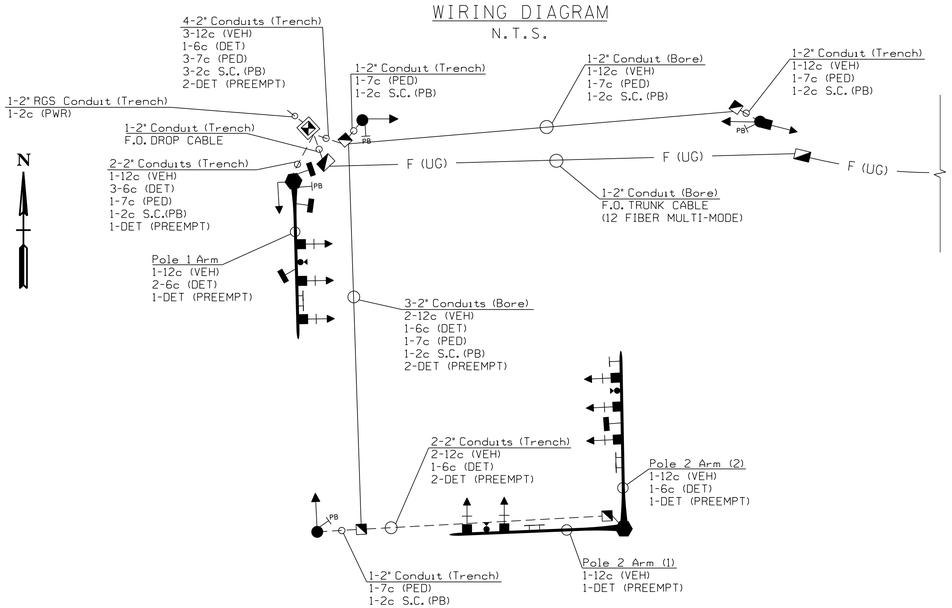
BASIC OR SEMI-ACTUATED TIMINGS (SECS)

CONTROLLER PROGRAMMING DATA								
	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8
MOVEMENT	EBL	WB		SB		EB		
PHASE DATA								
MIN GREEN	5.0	20.0		8.0		20.0		
PASSAGE TIME	3.0	5.0		3.0		5.0		
MAXIMUM I	20.0	60.0		38.0		60.0		
MAXIMUM II								
YELLOW	4.5	4.5		4.0		4.5		
RED	2.0	2.0		2.5		2.0		
WALK		7.0		7.0				
PED CLEAR		26.0		23.0				
ADDED INITIAL								
MAX INITIAL								
TIME BEFORE REDUCTION								
TIME TO REDUCE								
MIN GAP								
NON-LOCK MEMORY	YES	YES		YES		YES		
DUAL ENTRY		YES				YES		
LAST CAR PASSAGE								
INITIALIZATION	INACTIVE	GREEN		INACTIVE		GREEN		
VEHICLE RECALL	NONE	MIN		NONE		MIN		

- THESE TIMINGS ARE INITIAL AND MAY BE ADJUSTED IN THE FIELD BY THE CONTRACTOR WITH PRIOR APPROVAL FROM ENGINEER.

WIRING DIAGRAM

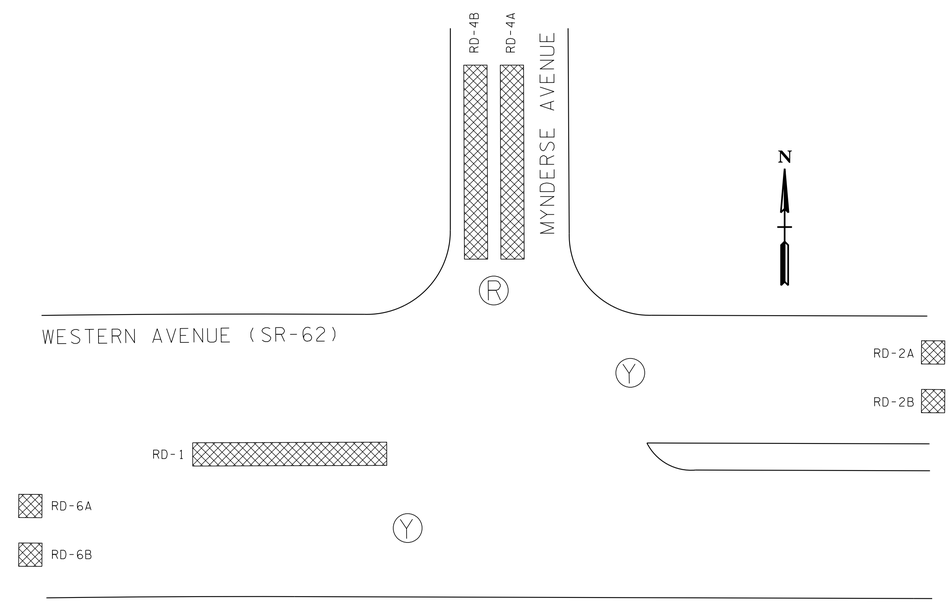
N.T.S.



LOOP AND DETECTOR ASSIGNMENTS

DETECTION ZONE	DETECTOR ASSIGNMENT	ZONE LENGTH	MODE	TIMING	ASSOCIATED PHASE	COMMENTS
RD-1	CH-1	50 FT	PRES		1	
RD-2A	CH-2	6 FT	PULSE		2	285' FROM STOP LINE
RD-2B	CH-2	6 FT	PULSE		2	285' FROM STOP LINE
RD-4A	CH-3	50 FT	PRES		4	
RD-4B	CH-3	50 FT	PRES	8.0 SEC DELAY	4	
RD-6A	CH-4	6 FT	PULSE		6	285' FROM STOP LINE
RD-6B	CH-4	6 FT	PULSE		6	285' FROM STOP LINE

- ALL DETECTION ZONES ARE 6 FT IN WIDTH, CENTERED IN TRAFFIC LANE.



FLASHING OPERATION Ⓨ OR Ⓡ
DETECTION ZONE NUMBERING

NOTE:
- PHASE 4 TO FLASH RED
- PHASES 2 AND 6 TO FLASH YELLOW (NO ARROW FLASH; FLASH YELLOW BALL ONLY)

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PHASING, TIMING, AND DECTECTOR ASSIGNMENT

MYNDERSE AVENUE AT WESTERN AVE

SCALE: NOT TO SCALE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	HPP/STP/NH-62(34)	43B

SIGNAL PHASING DIAGRAM

Ø1	Ø2	NOT USED Ø3	Ø4
NOT USED Ø5	Ø6	NOT USED Ø7	NOT USED Ø8

-PROT/PERM LEFT-TURN: Ø1
-MIN RECALL: Ø2,Ø6
-FLASHING OPERATION: YELLOW - Ø2,Ø6; RED - Ø4
-SB RIGHT PROTECTED PHASE CONCURRENT WITH Ø1 ONLY.
RT. ARROWS SHALL NOT BE ACTIVE DURING Ø4

EMERGENCY PREEMPTION

-EP-1: Ø2
-EP-2: Ø4
-EP-3: Ø1+Ø6

SIGNS

LEFT TURN YIELD ON GREEN — R10-12 30"x36" A
R10-3E 9"x15"
R10-3E 9"x15"

SIGNAL HEADS

TYPE 150A2L W/ BACKPLATE 12" L.E.D. — 1
TYPE 130 W/ BACKPLATE 12" L.E.D. — 2,6
TYPE 140A1L W/ BACKPLATE 12" L.E.D. — 4L
TYPE 150A2R W/ BACKPLATE 12" L.E.D. — 4R
TYPE 150A2V POLE MOUNT 12" L.E.D. — 1P
COUNTDOWN PEDESTRIAN SIGNAL 16" L.E.D. — 9,10

NOTE: SIGNAL INDICATIONS SHALL BE LED DURALIGHT OR GELCORE OR APPROVED EQUIVALENT PER CITY SPECIFICATIONS.

LEGEND

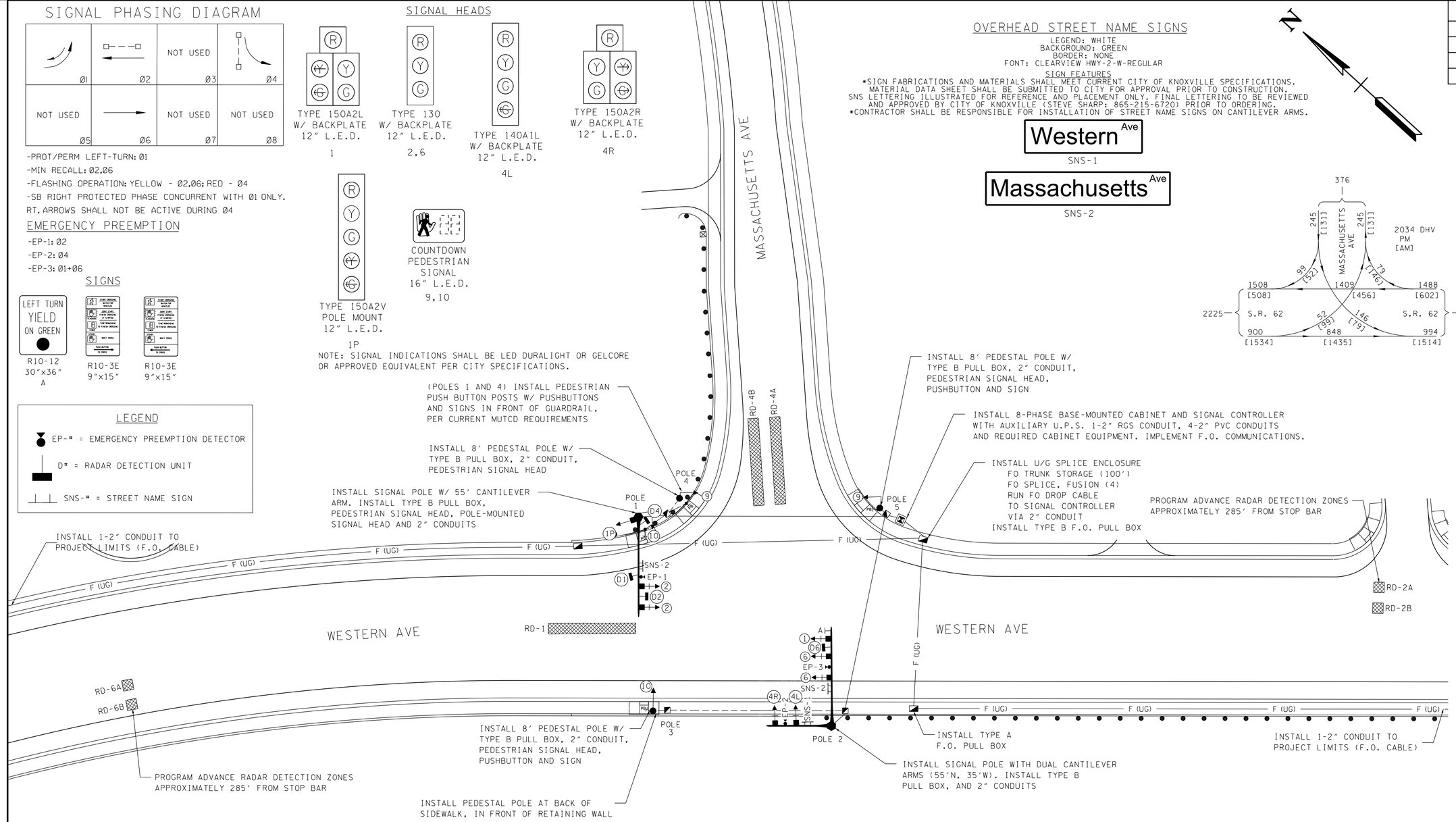
EP-# = EMERGENCY PREEMPTION DETECTOR
D# = RADAR DETECTION UNIT
SNS-# = STREET NAME SIGN

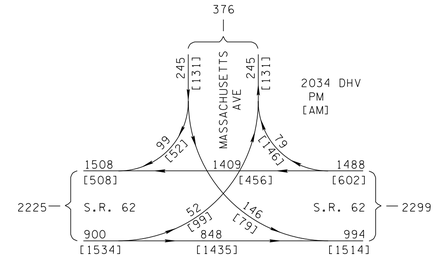
OVERHEAD STREET NAME SIGNS

LEGEND: WHITE
BACKGROUND: GREEN
BORDER: NONE
FONT: CLEARVIEW HWY-2-W-REGULAR

SIGN FEATURES
*SIGN FABRICATIONS AND MATERIALS SHALL MEET CURRENT CITY OF KNOXVILLE SPECIFICATIONS. MATERIAL DATA SHEET SHALL BE SUBMITTED TO CITY FOR APPROVAL PRIOR TO CONSTRUCTION.
SNS LETTERING ILLUSTRATED FOR REFERENCE AND PLACEMENT ONLY. FINAL LETTERING TO BE REVIEWED AND APPROVED BY CITY OF KNOXVILLE (STEVE SHARP: 865-215-6720) PRIOR TO ORDERING.
*CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF STREET NAME SIGNS ON CANTILEVER ARMS.

Western Ave — SNS-1
Massachusetts Ave — SNS-2





NOTES:

1. CONTRACTOR TO COORDINATE WITH UTILITY OWNER AND ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE LOCATION OF POWER SERVICE SOURCE. POWER SERVICE SOURCE PENDING FINAL RELOCATION OF POWER FACILITIES BY UTILITY OWNER. FINAL CONDUIT PATH FOR POWER SERVICE TO CABINET MAY BE MODIFIED, CONFIRMED PRIOR TO CONSTRUCTION WITH PRIOR APPROVAL FROM ENGINEER.

2. CABINET FOUNDATION SHALL INCLUDE INSTALLATION OF TWO (2) - 2" SPARE CONDUIT STUBS FOR FUTURE.

3. PEDESTRIAN SIGNALS TO BE LED DURALIGHT OR GELCORE FULLY POPULATED COUNTDOWN PEDESTRIAN DISPLAYS OR APPROVED EQUIVALENT. PUSHBUTTONS TO BE ADA COMPLIANT VANDAL PROOF 2-INCH PEDESTRIAN PUSHBUTTONS.

4. CONTRACTOR TO PROVIDE PULLBOX FOR EACH SUPPORT STRUCTURE. GROUND ROD MUST BE PROVIDED WITH EACH INSTALLED PULLBOX.

POLE SCHEDULE

POLE	MAST ARM LENGTH	MAST ARM ATTACH HT	NORTHING	EASTING	STATION*	OFFSET*	FOOTING DEPTH	FOOTING DIA.	FOOTING GRD. ELEV.
1	55'	21'	603679.0305	2572950.6508	123+03.13	63.64'L	15'	3'	936.00'
2	55'N,35'W	21'	603516.8415	2572936.9414	124+13.79	55.73'R	15'	3'	936.00'
3	-	-	603598.0396	2572874.3999	123+11.65	47.28'R	3'	2'	938.00'
4	-	-	603668.9304	2572974.4391	123+26.62	74.42'L	3'	2'	932.00'
5	-	-	603580.5266	2573047.6496	124+41.28	69.00'L	3'	2'	934.00'

* POLE LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED PER THE SPECIAL NOTES. FINAL POLE POSITIONS SHALL BE STAKED AND FIELD APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.
** POLES 3, 4 AND 5 ARE PEDESTAL POLES.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGNAL LAYOUT

MASSACHUSETTS AVE AT WESTERN AVE

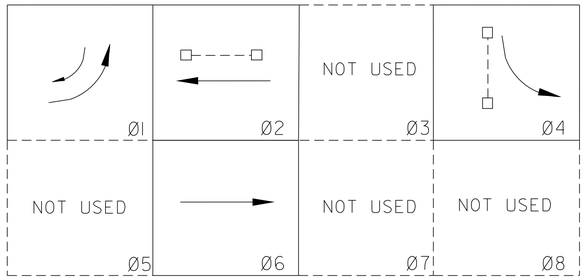
SCALE: 1"=30'

5/4/2016 11:29:01 AM
N:\4823 SR 62 Knoxville\DN\Dgn\CONSTRUCTION\48230-043B.SHT

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	HPP/STP/NH-62(34)	43C

SIGNAL PHASING DIAGRAM



EIGHT PHASE SEQUENCING

ACTIVE PHASE

INACTIVE PHASE (NOT USED)

-PROT/PERM LEFT-TURN: Ø1
-MIN RECALL: Ø2,Ø6
-COORD PHASE: Ø2,Ø6
-SB RIGHT PROTECTED PHASE CONCURRENT WITH Ø1 ONLY.
RT. ARROWS SHALL NOT BE ACTIVE DURING Ø4

BASIC OR SEMI-ACTUATED TIMINGS (SECS)

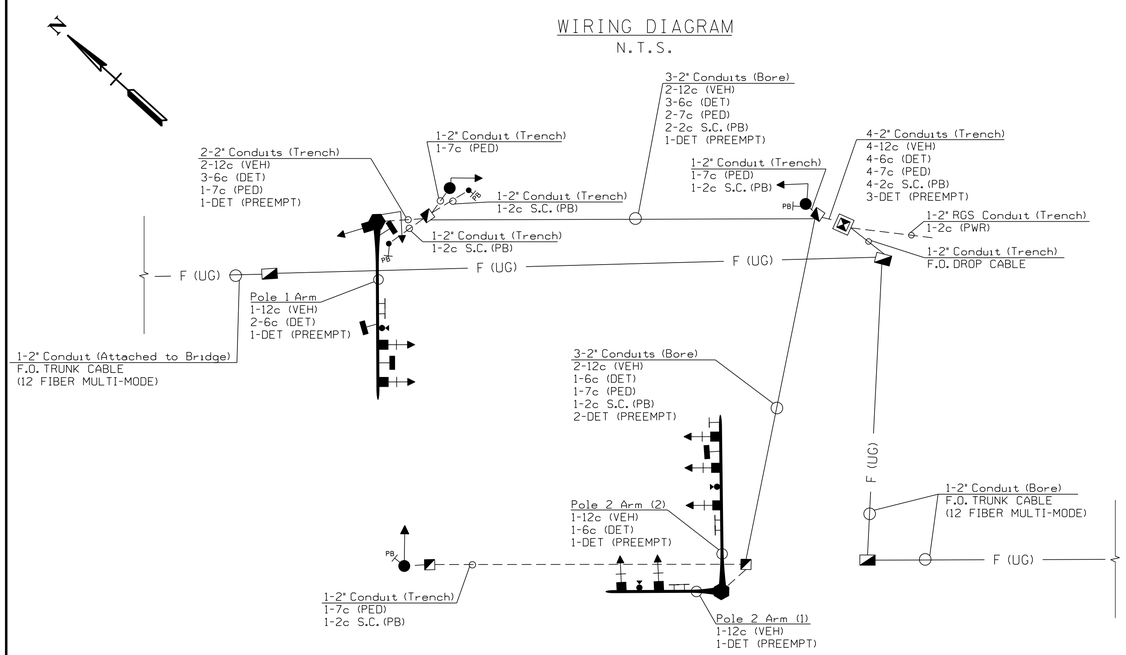
CONTROLLER PROGRAMMING DATA

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8
MOVEMENT	SBL	NB		WB		SB		
PHASE DATA								
MIN GREEN	5.0	20.0		8.0		20.0		
PASSAGE TIME	3.0	5.0		3.0		5.0		
MAXIMUM I	15.0	60.0		38.0		60.0		
MAXIMUM II								
YELLOW	4.5	4.5		4.0		4.5		
RED	2.0	2.0		2.5		2.0		
WALK		7.0		7.0				
PED CLEAR		23.0		23.0				
ADDED INITIAL								
MAX INITIAL								
TIME BEFORE REDUCTION								
TIME TO REDUCE								
MIN GAP								
NON-LOCK MEMORY	YES	YES		YES		YES		
DUAL ENTRY		YES				YES		
LAST CAR PASSAGE								
INITIALIZATION	INACTIVE	GREEN		INACTIVE		GREEN		
VEHICLE RECALL	NONE	MIN		NONE		MIN		

- THESE TIMINGS ARE INITIAL AND MAY BE ADJUSTED IN THE FIELD BY THE CONTRACTOR WITH PRIOR APPROVAL FROM ENGINEER.

WIRING DIAGRAM

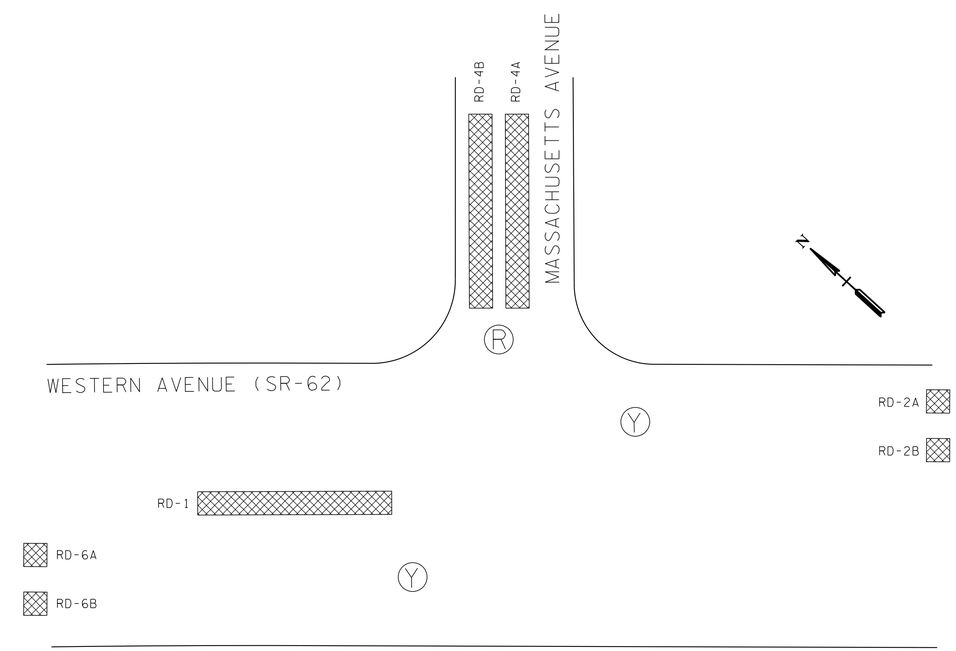
N.T.S.



LOOP AND DETECTOR ASSIGNMENTS

DETECTION ZONE	DETECTOR ASSIGNMENT	ZONE LENGTH	MODE	TIMING	ASSOCIATED PHASE	COMMENTS
RD-1	CH-1	50 FT	PRES		1	
RD-2A	CH-2	6 FT	PULSE		2	285' FROM STOP LINE
RD-2B	CH-2	6 FT	PULSE		2	285' FROM STOP LINE
RD-4A	CH-3	50 FT	PRES		4	
RD-4B	CH-3	50 FT	PRES	8.0 SEC DELAY	4	
RD-6A	CH-4	6 FT	PULSE		6	285' FROM STOP LINE
RD-6B	CH-4	6 FT	PULSE		6	285' FROM STOP LINE

- ALL DETECTION ZONES ARE 6 FT IN WIDTH, CENTERED IN TRAFFIC LANE.



FLASHING OPERATION Ⓨ OR Ⓡ
DETECTION ZONE NUMBERING

NOTE:
- PHASE 4 TO FLASH RED
- PHASES 2 AND 6 TO FLASH YELLOW (NO ARROW FLASH; FLASH YELLOW BALL ONLY)

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PHASING, TIMING, AND DECTECTOR ASSIGNMENT

MASSACHUSETTS AVE AT WESTERN AVE

SCALE: NOT TO SCALE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	HPP/STP/NH-62(34)	43D

SIGNAL PHASING DIAGRAM

Ø1	Ø2	NOT USED Ø3	Ø4
NOT USED Ø5	Ø6	NOT USED Ø7	NOT USED Ø8

-PROT/PERM LEFT-TURN: Ø1
-MIN RECALL: Ø2,Ø6
-FLASHING OPERATION: YELLOW - Ø2,Ø6; RED - Ø4
-SB RIGHT PROTECTED PHASE CONCURRENT WITH Ø1 ONLY.
RT. ARROWS SHALL NOT BE ACTIVE DURING Ø4
-WB RIGHT PROTECTED PHASE CONCURRENT WITH Ø4 ONLY.
RT. ARROWS SHALL NOT BE ACTIVE DURING Ø2
-PHASE Ø1 SHALL BE LAGGING FOR ALL TIMING PLANS

EMERGENCY PREEMPTION

-EP-1: Ø2
-EP-2: Ø4
-EP-3: Ø1+Ø6

SIGNS

LEFT TURN YIELD ON GREEN
R10-12
30"x36"
A

R10-3E
9"x15"

R10-3E
9"x15"

SIGNAL HEADS

TYPE 150A2L W/ BACKPLATE 12" L.E.D.
1

TYPE 130 W/ BACKPLATE 12" L.E.D.
2,6

TYPE 150A2R W/ BACKPLATE 12" L.E.D.
2R,4R

TYPE 140A1L W/ BACKPLATE 12" L.E.D.
4

TYPE 130A3 W/ BACKPLATE 12" L.E.D.
4L

COUNTDOWN PEDESTRIAN SIGNAL 16" L.E.D.
9,10

NOTE: SIGNAL INDICATIONS SHALL BE LED DURALIGHT OR GELCORE OR APPROVED EQUIVALENT PER CITY SPECIFICATIONS.

LEGEND

EP-# = EMERGENCY PREEMPTION DETECTOR

D# = RADAR DETECTION UNIT

SNS-# = STREET NAME SIGN

OVERHEAD STREET NAME SIGNS

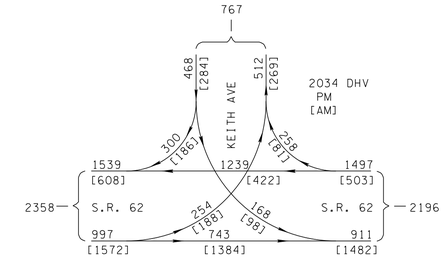
LEGEND: WHITE
BACKGROUND: GREEN
BORDER: NONE
FONT: CLEARVIEW HWY-2-W-REGULAR

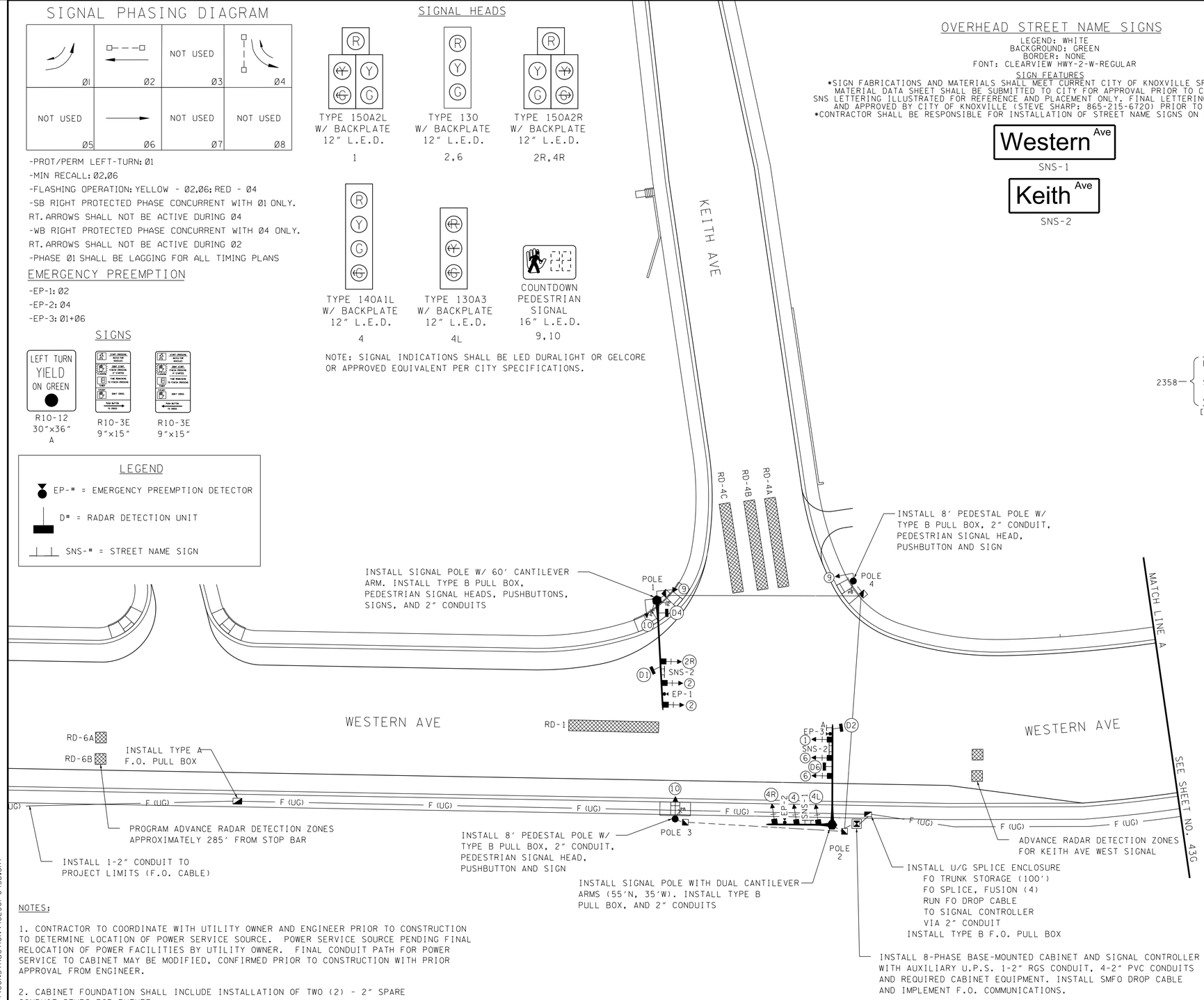
SIGN FEATURES

*SIGN FABRICATIONS AND MATERIALS SHALL MEET CURRENT CITY OF KNOXVILLE SPECIFICATIONS. MATERIAL DATA SHEET SHALL BE SUBMITTED TO CITY FOR APPROVAL PRIOR TO CONSTRUCTION. SNS LETTERING ILLUSTRATED FOR REFERENCE AND PLACEMENT ONLY. FINAL LETTERING TO BE REVIEWED AND APPROVED BY CITY OF KNOXVILLE (STEVE SHARP: 865-215-6720) PRIOR TO ORDERING.
*CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF STREET NAME SIGNS ON CANTILEVER ARMS.

Western Ave
SNS-1

Keith Ave
SNS-2





NOTES:

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2. CABINET FOUNDATION SHALL INCLUDE INSTALLATION OF TWO (2) - 2" SPARE CONDUIT STUBS FOR FUTURE.

3. PEDESTRIAN SIGNALS TO BE LED DURALIGHT OR GELCORE FULLY POPULATED COUNTDOWN PEDESTRIAN DISPLAYS OR APPROVED EQUIVALENT. PUSHBUTTONS TO BE ADA COMPLIANT VANDAL PROOF 2-INCH PEDESTRIAN PUSHBUTTONS.

4. CONTRACTOR TO PROVIDE PULLBOX FOR EACH SUPPORT STRUCTURE. GROUND ROD MUST BE PROVIDED WITH EACH INSTALLED PULLBOX.

5.FIBER OPTIC SLACK CABLE SHALL BE PROVIDED WHERE INDICATED ON PLANS. A MINIMUM OF 50' OF SLACK COIL SHALL BE PROVIDED IN TYPE "B" FIBER OPTIC PULL BOXES. ADDITIONAL SLACK COIL TO BE INSTALLED WITHIN PULL BOXES AS DIRECTED BY ENGINEER.

POLE SCHEDULE

POLE	MAST ARM LENGTH	MAST ARM ATTACH HT	NORTHING	EASTING	STATION*	OFFSET*	FOOTING DEPTH	FOOTING DIA.	FOOTING GRD. ELEV.
1	60'	21'	602572.8949	2573853.4021	137+23.43	69.85'L	15'	3'	895.00'
2	55'N,35'W	21'	602422.9472	2573802.9304	138+22.98	53.12'R	15'	3'	892.00'
3	-	-	602497.5546	2573757.6586	137+35.73	51.36'R	3'	2'	894.00'
4	-	-	602487.7813	2573922.5163	138+32.33	82.59'L	3'	2'	895.00'

* POLE LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED PER THE SPECIAL NOTES. FINAL POLE POSITIONS SHALL BE STAKED AND FIELD APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.
** POLES 3, AND 4 ARE PEDESTAL POLES.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGNAL LAYOUT

KEITH AVE AT WESTERN AVE

SCALE: 1"=30'

5/4/2016 11:29:29 AM
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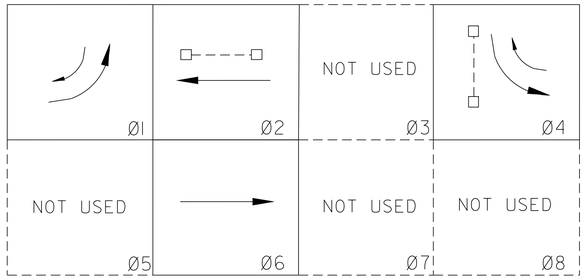
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	HPP/STP/NH-62(34)	43E

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

SIGNAL PHASING DIAGRAM



EIGHT PHASE SEQUENCING

ACTIVE PHASE

INACTIVE PHASE (NOT USED)

-PROT/PERM LEFT-TURN: Ø1
-MIN RECALL: Ø2,Ø6
-COORD PHASE: Ø2,Ø6
-SB RIGHT PROTECTED PHASE CONCURRENT WITH Ø1 ONLY.
RT. ARROWS SHALL NOT BE ACTIVE DURING Ø4
-WB RIGHT PROTECTED PHASE CONCURRENT WITH Ø4 ONLY.
RT. ARROWS SHALL NOT BE ACTIVE DURING Ø2
-PHASE Ø1 SHALL BE LAGGING FOR ALL TIMING PLANS

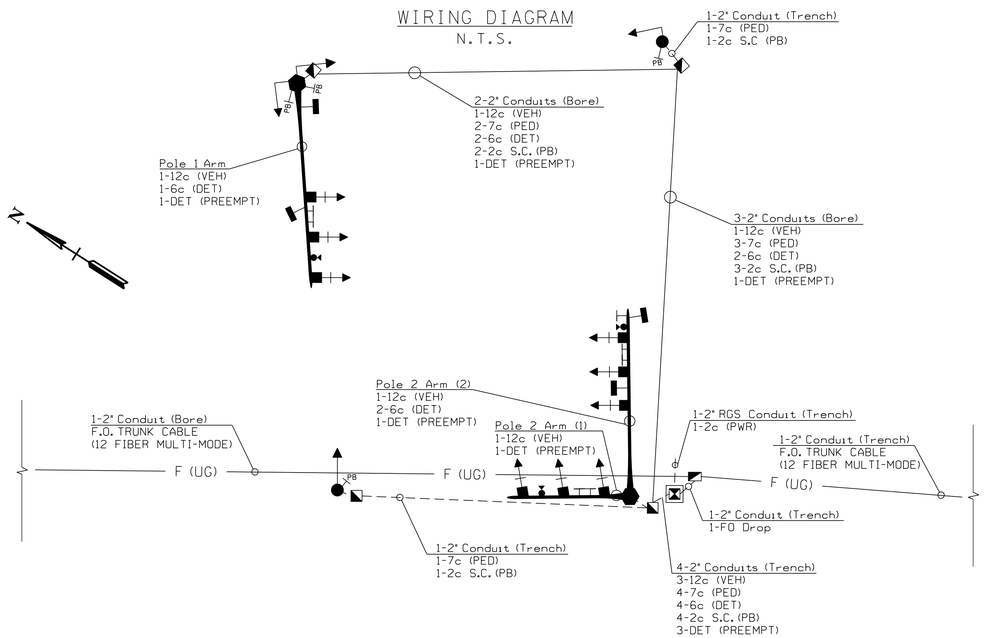
BASIC OR SEMI-ACTUATED TIMINGS (SECS)

CONTROLLER PROGRAMMING DATA								
	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8
MOVEMENT	SBL	NB		WB		SB		
PHASE DATA								
MIN GREEN	5.0	20.0		8.0		20.0		
PASSAGE TIME	3.0	5.0		3.0		5.0		
MAXIMUM I	25.0	60.0		38.0		60.0		
MAXIMUM II								
YELLOW	4.5	4.5		4.0		4.5		
RED	2.0	2.0		2.5		2.0		
WALK		7.0		7.0				
PED CLEAR		26.0		23.0				
ADDED INITIAL								
MAX INITIAL								
TIME BEFORE REDUCTION								
TIME TO REDUCE								
MIN GAP								
NON-LOCK MEMORY	YES	YES		YES		YES		
DUAL ENTRY		YES				YES		
LAST CAR PASSAGE								
INITIALIZATION	INACTIVE	GREEN		INACTIVE		GREEN		
VEHICLE RECALL	NONE	MIN		NONE		MIN		

- THESE TIMINGS ARE INITIAL AND MAY BE ADJUSTED IN THE FIELD BY THE CONTRACTOR WITH PRIOR APPROVAL FROM ENGINEER.

WIRING DIAGRAM

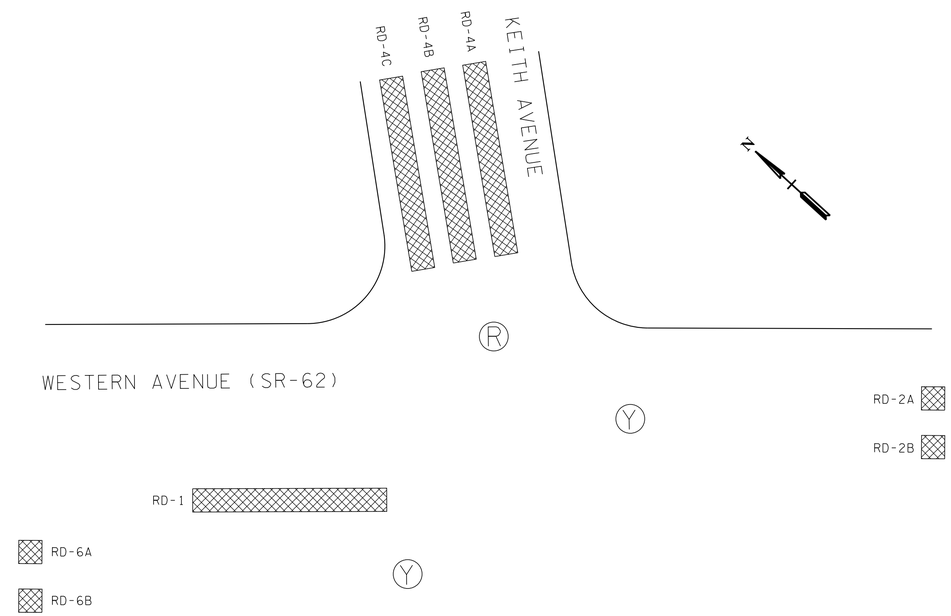
N.T.S.



LOOP AND DETECTOR ASSIGNMENTS

DETECTION ZONE	DETECTOR ASSIGNMENT	ZONE LENGTH	MODE	TIMING	ASSOCIATED PHASE	COMMENTS
RD-1	CH-1	50 FT	PRES		1	
RD-2A	CH-2	6 FT	PULSE		2	285' FROM STOP LINE
RD-2B	CH-2	6 FT	PULSE		2	285' FROM STOP LINE
RD-4A	CH-3	50 FT	PRES		4	
RD-4B	CH-3	50 FT	PRES		4	
RD-4C	CH-3	51 FT	PRES	8.0 SEC DELAY	4	
RD-6A	CH-4	6 FT	PULSE		6	285' FROM STOP LINE
RD-6B	CH-4	6 FT	PULSE		6	285' FROM STOP LINE

- ALL DETECTION ZONES ARE 6 FT IN WIDTH, CENTERED IN TRAFFIC LANE.



FLASHING OPERATION Ⓨ OR Ⓡ
DETECTION ZONE NUMBERING

NOTE:
- PHASE 4 TO FLASH RED
- PHASES 2 AND 6 TO FLASH YELLOW (NO ARROW FLASH; FLASH YELLOW BALL ONLY)

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PHASING, TIMING, AND DECTECTOR ASSIGNMENT

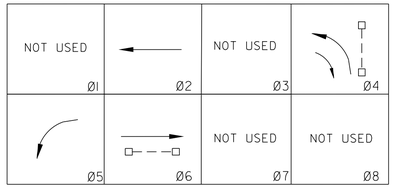
KEITH AVE AT WESTERN AVE

SCALE: NOT TO SCALE

N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\48230I-043E.sht 5/4/2016 11:29:30 AM

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	HPP/STP/NH-62(34)	43F

SIGNAL PHASING DIAGRAM

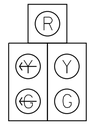


-PROT/PERM LEFT-TURN: Ø5
-MIN RECALL: Ø2,Ø6
-FLASHING OPERATION: YELLOW - Ø2,Ø6; RED - Ø4
-EB RIGHT PROTECTED PHASE CONCURRENT WITH Ø4 ONLY.
RT. ARROWS SHALL NOT BE ACTIVE DURING Ø6

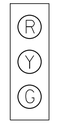
EMERGENCY PREEMPTION

-EP-1: Ø2+Ø5
-EP-2: Ø4
-EP-3: Ø6

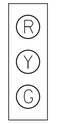
SIGNAL HEADS



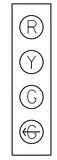
TYPE 150A2L
W/ BACKPLATE
12" L.E.D.
5



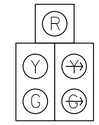
TYPE 130
W/ BACKPLATE
12" L.E.D.
2,4,6



TYPE 130
12" L.E.D.
POLE MOUNT
4P



TYPE 140A1L
W/ BACKPLATE
12" L.E.D.
4L



TYPE 150A2R
W/ BACKPLATE
12" L.E.D.
6R

COUNTDOWN
PEDESTRIAN
SIGNAL
16" L.E.D.
9,10

NOTE: SIGNAL INDICATIONS SHALL BE LED DURALIGHT OR GELCORE OR APPROVED EQUIVALENT PER CITY SPECIFICATIONS.

SIGNS

R10-12
30"x36"
A

R10-3E
9"x15"

R10-3E
9"x15"

OVERHEAD STREET NAME SIGNS

LEGEND: WHITE
BACKGROUND: GREEN
BORDER: NONE
FONT: CLEARVIEW HWY-2-W-REGULAR
SIGN FEATURES
*SIGN FABRICATIONS AND MATERIALS SHALL MEET CURRENT CITY OF KNOXVILLE SPECIFICATIONS. MATERIAL DATA SHEET SHALL BE SUBMITTED TO CITY FOR APPROVAL PRIOR TO CONSTRUCTION. SNS LETTERING ILLUSTRATED FOR REFERENCE AND PLACEMENT ONLY. FINAL LETTERING TO BE REVIEWED AND APPROVED BY CITY OF KNOXVILLE (STEVE SHARP: 865-215-6720) PRIOR TO ORDERING.
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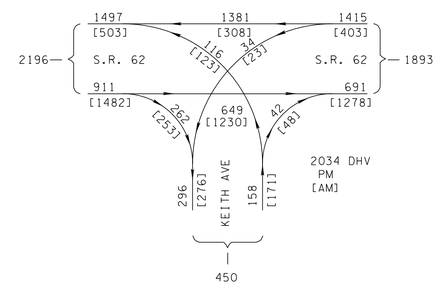
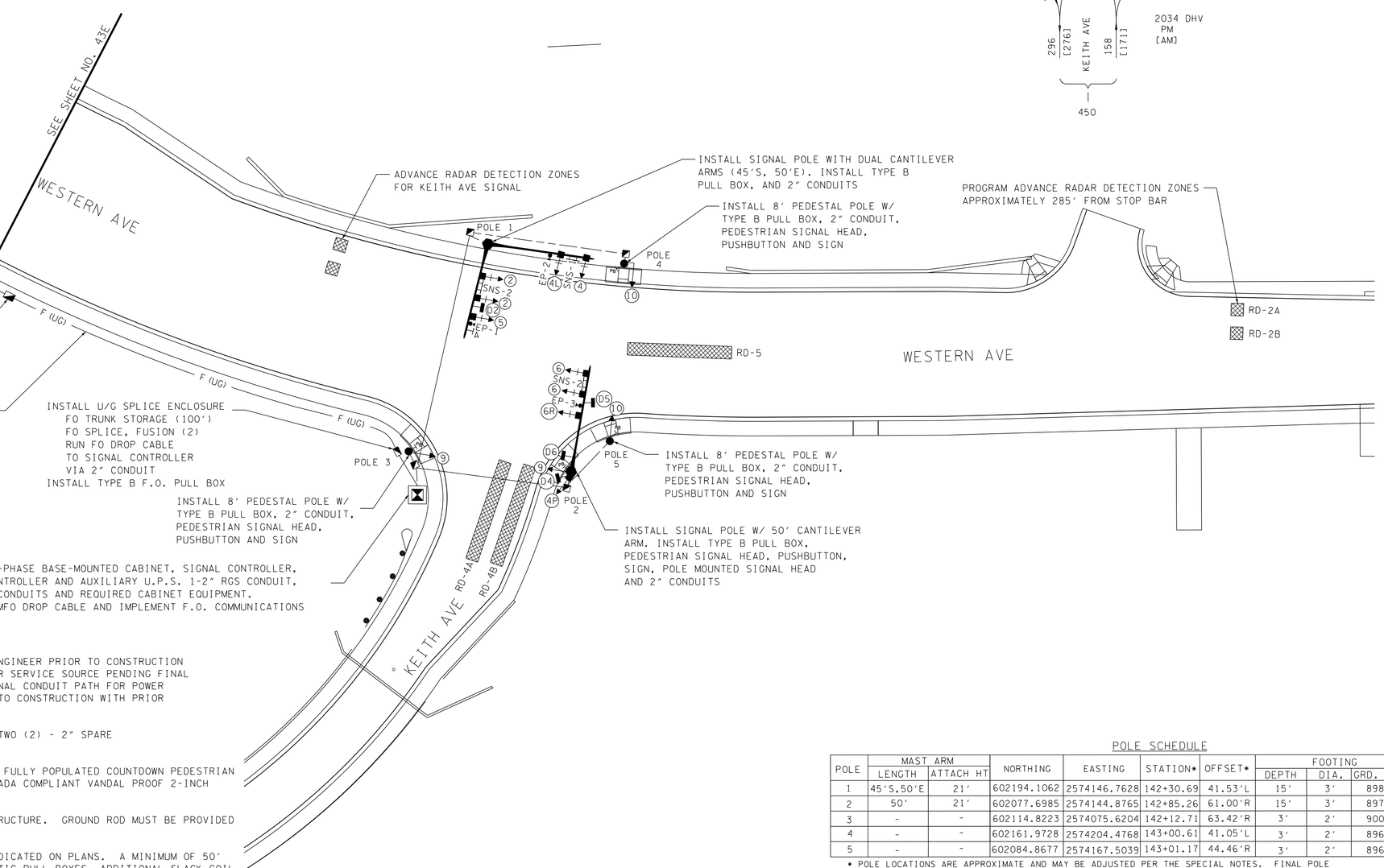
SNS-1

SNS-2





LEGEND

EP-# = EMERGENCY PREEMPTION DETECTOR
D# = RADAR DETECTION UNIT
SNS-# = STREET NAME SIGN

NOTES:

1. CONTRACTOR TO COORDINATE WITH UTILITY OWNER AND ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE LOCATION OF POWER SERVICE SOURCE. POWER SERVICE SOURCE PENDING FINAL RELOCATION OF POWER FACILITIES BY UTILITY OWNER. FINAL CONDUIT PATH FOR POWER SERVICE TO CABINET MAY BE MODIFIED, CONFIRMED PRIOR TO CONSTRUCTION WITH PRIOR APPROVAL FROM ENGINEER.

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3. PEDESTRIAN SIGNALS TO BE LED DURALIGHT OR GELCORE FULLY POPULATED COUNTDOWN PEDESTRIAN DISPLAYS OR APPROVED EQUIVALENT. PUSHBUTTONS TO BE ADA COMPLIANT VANDAL PROOF 2-INCH PEDESTRIAN PUSHBUTTONS.

4. CONTRACTOR TO PROVIDE PULLBOX FOR EACH SUPPORT STRUCTURE. GROUND ROD MUST BE PROVIDED WITH EACH INSTALLED PULLBOX.

5. FIBER OPTIC SLACK CABLE SHALL BE PROVIDED WHERE INDICATED ON PLANS. A MINIMUM OF 50' OF SLACK COIL SHALL BE PROVIDED IN TYPE "B" FIBER OPTIC PULL BOXES. ADDITIONAL SLACK COIL TO BE INSTALLED WITHIN PULL BOXES AS DIRECTED BY ENGINEER.

POLE SCHEDULE

POLE	MAST ARM		NORTHING	EASTING	STATION*	OFFSET*	FOOTING		
	LENGTH	ATTACH HT					DEPTH	DIA.	GRD. ELEV.
1	45'S,50'E	21'	602194.1062	2574146.7628	142+30.69	41.53'L	15'	3'	898.00'
2	50'	21'	602077.6985	2574144.8765	142+85.26	61.00'R	15'	3'	897.00'
3	-	-	602114.8223	2574075.6204	142+12.71	63.42'R	3'	2'	900.00'
4	-	-	602161.9728	2574204.4768	143+00.61	41.05'L	3'	2'	896.00'
5	-	-	602084.8677	2574167.5039	143+01.17	44.46'R	3'	2'	896.00'

* POLE LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED PER THE SPECIAL NOTES. FINAL POLE POSITIONS SHALL BE STAKED AND FIELD APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.
** POLES 3, 4 AND 5 ARE PEDESTAL POLES.

CONSTRUCTABILITY FIELD REVIEW

SEALED BY

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGNAL LAYOUT

KEITH AVE WEST AT WESTERN AVE

SCALE: 1"=30'

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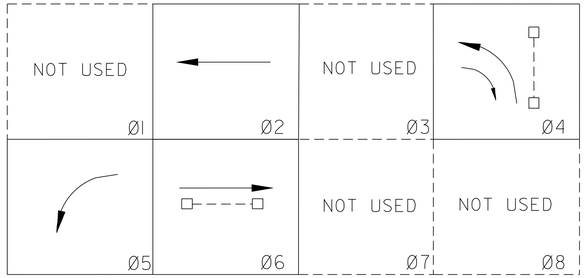
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	HPP/STP/NH-62(34)	43G

SIGNAL PHASING DIAGRAM



EIGHT PHASE SEQUENCING

ACTIVE PHASE

INACTIVE PHASE (NOT USED)

-PROT/PERM LEFT-TURN: Ø5
-MIN RECALL: Ø2,Ø6
-COORD PHASE: Ø2,Ø6
-SB RIGHT PROTECTED PHASE CONCURRENT WITH Ø4 ONLY.
RT. ARROWS SHALL NOT BE ACTIVE DURING Ø6

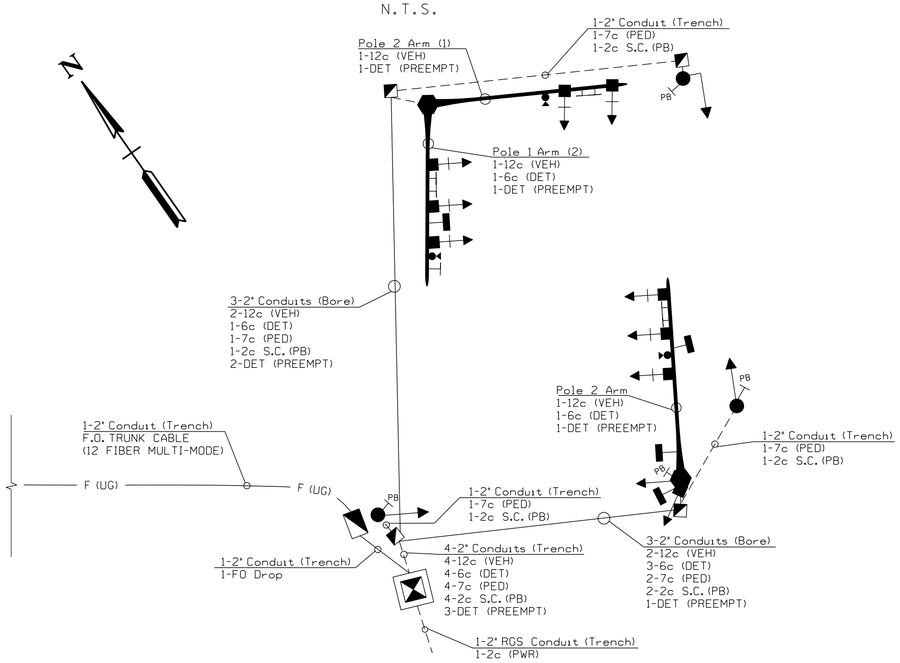
BASIC OR SEMI-ACTUATED TIMINGS (SECS)

CONTROLLER PROGRAMMING DATA								
	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8
MOVEMENT		NB		EB	NBL	SB		
PHASE DATA								
MIN GREEN		20.0		8.0	5.0	20.0		
PASSAGE TIME		5.0		3.0	3.0	5.0		
MAXIMUM I		60.0		34.0	20.0	60.0		
MAXIMUM II								
YELLOW		4.5		4.0	4.5	4.5		
RED		2.0		2.5	2.0	2.0		
WALK				7.0		7.0		
PED CLEAR				19.0		18.0		
ADDED INITIAL								
MAX INITIAL								
TIME BEFORE REDUCTION								
TIME TO REDUCE								
MIN GAP								
NON-LOCK MEMORY		YES		YES	YES	YES		
DUAL ENTRY		YES				YES		
LAST CAR PASSAGE								
INITIALIZATION		GREEN		INACTIVE	INACTIVE	GREEN		
VEHICLE RECALL		MIN		NONE	NONE	MIN		

- THESE TIMINGS ARE INITIAL AND MAY BE ADJUSTED IN THE FIELD BY THE CONTRACTOR WITH PRIOR APPROVAL FROM ENGINEER.

WIRING DIAGRAM

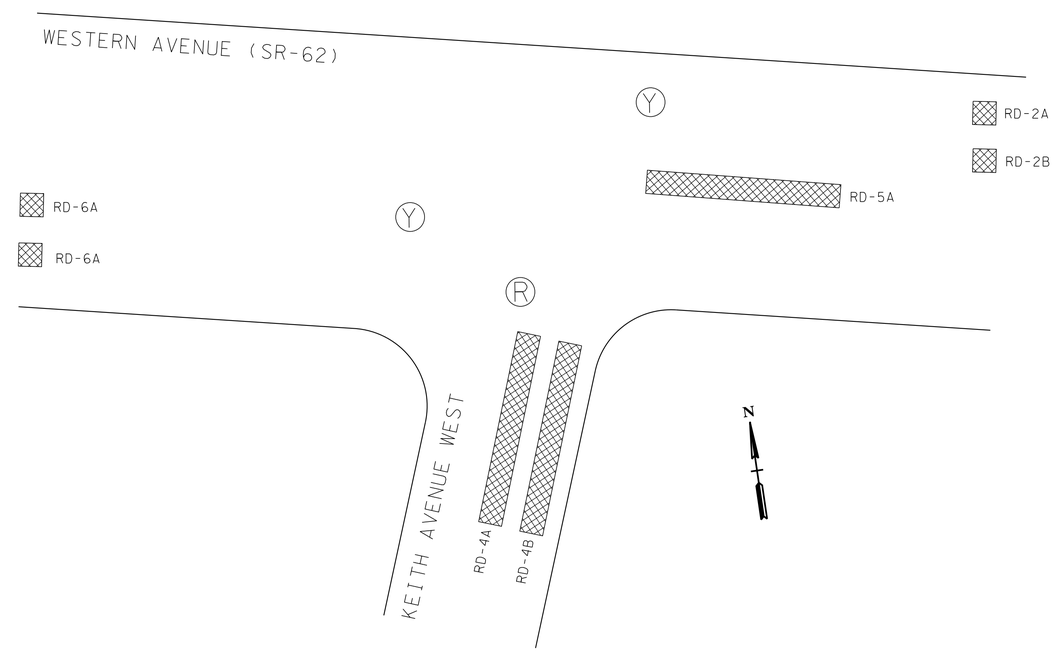
N.T.S.



LOOP AND DETECTOR ASSIGNMENTS

DETECTION ZONE	DETECTOR ASSIGNMENT	ZONE LENGTH	MODE	TIMING	ASSOCIATED PHASE	COMMENTS
RD-2A	CH-1	6 FT	PULSE		2	285' FROM STOP LINE
RD-2B	CH-1	6 FT	PULSE		2	285' FROM STOP LINE
RD-4A	CH-2	50 FT	PRES		4	
RD-4B	CH-2	50 FT	PRES	8.0 SEC DELAY	4	
RD-5	CH-3	50 FT	PRES		5	
RD-6A	CH-4	6 FT	PULSE		6	285' FROM STOP LINE
RD-6B	CH-4	6 FT	PULSE		6	285' FROM STOP LINE

- ALL DETECTION ZONES ARE 6 FT IN WIDTH, CENTERED IN TRAFFIC LANE.



FLASHING OPERATION Ⓨ OR Ⓡ
DETECTION ZONE NUMBERING

NOTE:
- PHASE 4 TO FLASH RED
- PHASES 2 AND 6 TO FLASH YELLOW (NO ARROW FLASH; FLASH YELLOW BALL ONLY)

CONSTRUCTABILITY FIELD REVIEW

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PHASING, TIMING, AND DECTECTOR ASSIGNMENT

KEITH AVE WEST AT WESTERN AVE

SCALE: NOT TO SCALE

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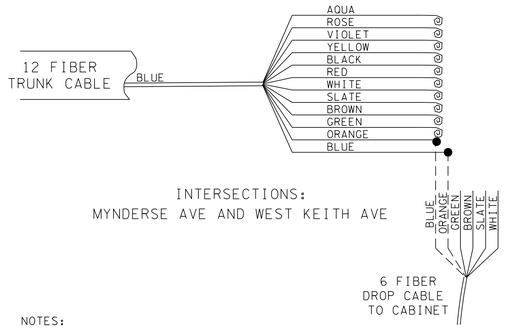
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	HPP/STP/NH-62(34)	43H

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

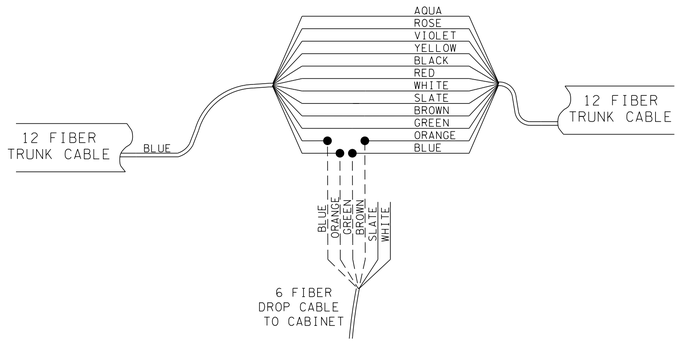
TYPICAL FIBER OPTIC CABLE SPLICING DETAIL

F.O. DROP TYPE 1 DETAIL



INTERSECTIONS:
MYNDERSE AVE AND WEST KEITH AVE

F.O. DROP TYPE 2 DETAIL



INTERSECTIONS:
MASSACHUSETTS AVE AND KEITH AVE

NOTES:

1. COMMUNICATION BETWEEN MASTER AND LOCAL SIGNAL CONTROLLERS SHALL UTILIZE SAME ACTIVE FIBER PAIRS (COMMUNICATION CIRCUIT). CONTRACTOR HAS FINAL RESPONSIBILITY TO PROVIDE AND MAKE THE CLOSED-LOOP FIBER OPTIC COMMUNICATION SYSTEM OPERATIONAL.

2. SEE PROPOSED SIGNAL LAYOUT SHEETS FOR DETAILS OF INTERSECTION WORK.

WEEK PLAN ASSIGNMENT							
WEEK PLAN	SUN	MON	TUE	WED	THU	FRI	SAT
1	2	1	1	1	1	1	2

DAY PLAN	TIME	PLAN	CYCLE LENGTH
1	0:00 - 6:30	FREE	N/A
	6:30 - 9:00	1/1/1	110
	9:00 - 15:00	2/1/2	110
	15:00 - 18:00	3/1/3	120
	18:00 - 21:00	2/1/2	110
	21:00 - 0:00	FREE	N/A
2	0:00 - 9:00	FREE	N/A
	9:00 - 20:00	2/1/2	110
	20:00 - 9:00	FREE	N/A

COORD SETUP	
DAYLIGHT SAVINGS	3-2 / 11-1
REFERENCE TO END OF MAIN ST:	YES
USE % FOR PHASE ALLOCATION	YES
USE % FOR OFFSET ENTRY	YES
FORCE OFFS:	FLOATING
PERMISSIVE TYPE:	SINGLE
OFFSET SEEK:	SHORT ROUTE
AUTO PERM:	NO
SPLIT MATRIX:	YES
4 SPLITS / CYCLE	NO
COORD PHASES:	2 & 6
NO EARLY RELEASE:	PHASE 2 & 6 (ALL SPLITS)
COS/F TO TOD CKTS:	7/6/25/1: IM1, IM2, POM (105) (106) (97)
ACTIVATE WALK REST MODIFIER	YES

COORDINATED TIMING PLANS
INTERSECTION # 1 (MYNDERSE AVE @ WESTERN AVE)

PLAN ID			SPLIT TIMES (%)								CYCLE LENGTH	OFFSET
			EBLT	WB		SB		EB				
DIAL	SPLIT	OFFSET	PH 1	PH 2	PH 3	PH 4	PH 5	PH 6	PH 7	PH 8	(SEC)	(%)
1	1	1	14	59	-	27	-	73	-	-	110	21
2	1	1	16	52	-	32	-	68	-	-	110	15
3	1	1	17	54	-	29	-	71	-	-	120	20

COORDINATED TIMING PLANS
INTERSECTION # 2 (MASSACHUSETTS AVE @ WESTERN AVE)

PLAN ID			SPLIT TIMES (%)								CYCLE LENGTH	OFFSET
			EBLT	WB		SB		EB				
DIAL	SPLIT	OFFSET	PH 1	PH 2	PH 3	PH 4	PH 5	PH 6	PH 7	PH 8	(SEC)	(%)
1	1	1	16	56	-	27	-	73	-	-	110	15
2	1	1	18	50	-	32	-	68	-	-	110	15
3	1	1	15	53	-	32	-	68	-	-	120	18

COORDINATED TIMING PLANS
INTERSECTION # 3 (KEITH AVE @ WESTERN AVE)

PLAN ID			SPLIT TIMES (%)								CYCLE LENGTH	OFFSET
			EBLT*	WB		SB		EB				
DIAL	SPLIT	OFFSET	PH 1	PH 2	PH 3	PH 4	PH 5	PH 6	PH 7	PH 8	(SEC)	(%)
1	1	1	18	53	-	29	-	71	-	-	110	38
2	1	1	20	49	-	31	-	69	-	-	110	15
3	1	1	21	48	-	31	-	69	-	-	120	14

***PHASE 1 IS LAGGING FOR ALL TIMING PLANS**

COORDINATED TIMING PLANS
INTERSECTION # 4 (WEST KEITH AVE @ WESTERN AVE)

PLAN ID			SPLIT TIMES (%)								CYCLE LENGTH	OFFSET
				WB		NB	WBLT	EB				
DIAL	SPLIT	OFFSET	PH 1	PH 2	PH 3	PH 4	PH 5	PH 6	PH 7	PH 8	(SEC)	(%)
1	1	1	-	70	-	30	15	55	-	-	110	31
2	1	1	-	69	-	31	18	51	-	-	110	28
3	1	1	-	68	-	32	17	52	-	-	120	0

INTERSECTION ASSIGNMENTS
SYSTEM MASTER

INT. NUMBER	INTERSECTION NAME	STATUS	GROUP
1	MYNDERSE AVE	1	1
2	MASSACHUSETTS AVE	1	1
3	KEITH AVE	1	1
4	WEST KEITH AVE	1	1

CONSTRUCTABILITY
FIELD
REVIEW

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DEPARTMENT OF TRANSPORTATION

COORDINATED
SIGNAL
TIMINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	44

GENERAL NOTES

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 JANUARY 1, 2015 AND WITH THE LATEST REVISIONS TO THE NATIONAL ELECTRIC CODE, NFPA 70.

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

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

(4) 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.

SPECIAL NOTES

LIGHTING

(5) ALL LIGHTING CONDUIT SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE NOTED.

(6) CONDUIT BENDS SHALL NOT EXCEED A 24" RADIUS.

(7) ALL LIGHT STANDARDS SHALL BE INSTALLED WITH THE HAND HOLE ON THE DOWNSTREAM SIDE OF TRAFFIC SO THAT WORKERS ARE FACING ONCOMING TRAFFIC.

(8) ALUMINUM LIGHT STANDARDS MAY BE ADJUSTED 5'. ANY ADJUSTMENT GREATER THAN 5' SHALL BE APPROVED BY THE ENGINEER.

(9) SOME UTILITIES MAY REQUIRE LOCATION BY HAND DIGGING PRIOR TO PROPOSED LIGHT POLE INSTALLATION.

(10) LIGHTING SYSTEM SHALL BE 120/240 VOLT SINGLE PHASE SERVICE. LUMINAIRES SHALL BE BALLASTED FOR 120 VOLT OPERATION.

(11) THE CONTRACTOR SHALL ENSURE THAT ANY LUMINAIRE THAT REMAINS IN PLACE REMAINS ENERGIZED.

(12) AT THE PRE-CONSTRUCTION MEETING, THE CONTRACTOR SHALL PROVIDE A SCHEDULE FOR ALL PLANNED ELECTRICAL CONSTRUCTION, REMOVALS, AND/OR EQUIPMENT RELOCATIONS. SCHEDULE SHALL ALSO BE PROVIDED TO KNOXVILLE UTILITY BOARD (KUB), DANIEL McELYEA, (865) 558-2699, TWO (2) WEEKS PRIOR TO ANY DESIRED ACTIVITY.

(13) PRIOR TO COMMENCMENT OF WORK ON THE LIGHTING SYSTEM, THE CONTRACTOR SHALL CONTACT DANIEL McELYEA (KUB), (865) 558-2699.

(14) SALVAGEABLE EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR. CONTRACTOR SHALL DISPOSE OF ALL LIGHTING METERALS REMOVED PER THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) STANDARDS, UNLESS OTHERWISE NOTED.

SCOPE OF SERVICES

(15) THE PROPOSED LIGHTING DESIGN LIMITS INCLUDE SR -62 (WESTERN AVENUE) FROM TEXAS AVENUE TO MAJOR AVENUE. ALSO, INCLUDES THE LIGHTING ON KEITH AVENUE (BOTH LEGS).

(16) THE PROPOSED LIGHTING DESIGN CONSISTS OF:

A. INSTALLATION OF LED OFFSET LUMINAIRES ON VARIOUS KUB UTILITY POLES (LP 2, LP 4, LP 7, LP 13 THRU LP 15, LP 23, LP 24, LP 26 THRU LP 29, LP 31 THRU LP 33, AND LP 37). THE LUMINAIRE SHALL HAVE A 10 FOOT PIG TAIL FOR CONNECTION TO THE LIGHTING CIRCUITRY BY KUB.

B. INSTALLATION OF LED OFFSET LUMINAIRES ON NEW ROADWAY LIGHT STANDARDS WITH TRANSFORMER BASE (LP 1, LP 5, LP 8 THRU LP 12, LP 16, LP 17, LP 19, LP 21, LP 30, LP 35 AND LP 36). THE LUMINAIRE SHALL HAVE A 10 FOOT PIG TAIL FOR CONNECTION TO THE LIGHTING CIRCUITRY BY KUB.

C. INSTALLATION OF LED OFFSET LUMINAIRES ON NEW BRIDGE LIGHT STANDARDS (LP 6, LP 22, AND LP 34). CONDUIT IN THE BRIDGE PARAPET SHALL BE USED TO CONNECT THE LUMINAIRES TO THE LIGHTING CIRCUITRY.).

D. RELOCATION OF PRIVATE PROPERTY LUMINAIRES. LUMINAIRES FOR PRIVATE PROPERTIES (LP 3, LP 18, LP 25, AND LP 20) LOCATED ON KUB POWER POLES TO BE REMOVED, SHALL BE RELOCATED TO NEW OR RELOCATED KUB POWER POLES AS SHOWN IN THE PLANS. MOUNTING HEIGHT TO BE DETERMINED BY KUB. THE LUMINAIRE SHALL HAVE A 10 FOOT PIG TAIL FOR CONNECTION TO THE LIGHTING CIRCUITRY BY KUB.

(17) KUB SHALL INSTALL THE OVERHEAD POWER LINES TO THE LUMINAIRES INSTALLED ON NEW LIGHT STANDARDS AS SHOWN IN THE PLANS.

(18) FOR LUMINAIRE AND POLE TYPE, SEE ROADWAY LIGHT POLE SCHEDULE ON SHEET 44B. LUMINAIRE WATTAGE, MOUNTING HEIGHT AND ARM LENGTH VARY AS NOTED ON THE SCHEDULE.

(19) THE LIGHTING EQUIPMENT SHALL CONFORM TO THE KNOXVILLE UTILITY BOARD (KUB) SPECIFICATIONS. SEE LIGHTING DETAIL SHEETS 44L – 44N AND 44P – 44Q.

(20) FOR LIGHT POLES AND KUB POWER POLES WITH LUMINAIRES TO BE REMOVED, REFER TO UTILITY RELOCATION PLAN SHEETS U2-1 THRU U2-21.

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CONSTRUCTABILITY FIELD REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LIGHTING GENERAL NOTES AND SPECIAL NOTES

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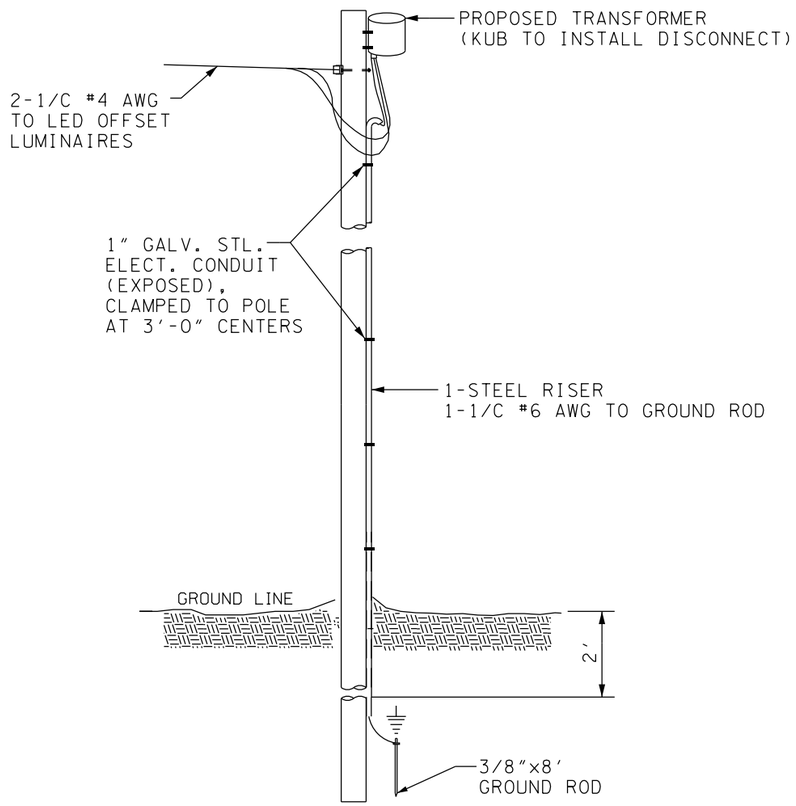
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	44A



DETAIL 'A'
PROPOSED ELECTRICAL SERVICE
POWER SOURCE PSA THRU PSD
N.T.S.

PSA: SR 62 (WESTERN AVE) STA. 124+98, 53.9 LT, SEE SHEET 44C
PSB: SR 62 (WESTERN AVE) STA. 122+67, 56.7 LT, SEE SHEET 44D
PSC: SR 62 (WESTERN AVE) STA. 136+36, 51.3 LT, SEE SHEET 44F
PSD: KEITH AVE (WEST) STA. 317+11, 33.1 RT, SEE SHEET 44I

POWER DISTRIBUTION NOTES

(1) FOR ELECTRICAL SERVICE CONNECTION, KNOXVILLE UTILITY BOARD (KUB), DANIEL McELYEA, (865) 558-2699. DANIEL McELYEA MAY ALSO BE CONTACTED FOR POWER SERVICE REQUIREMENTS AND COST.

(2) RELOCATED KUB UTILITY POLES WITH LUMINAIRES SHALL BE RECONNECTED TO THE EXISTING LIGHTING SYSTEM.

POWER SOURCE PSA THRU PSD

(3) POWER SOURCE PSA SHALL BE LOCATED NEAR LP 16 AND SHALL CONNECT THE LUMINAIRES ALONG SR 62 (WESTERN AVE) FROM STA. 98+36 TO STA. 116+50.

(4) POWER SOURCE PSB SHALL BE LOCATED AT LP 23 AND SHALL CONNECT THE LUMINAIRES ALONG SR 62 (WESTERN AVE) FROM STA. 116+59 TO STA. 131+50.

(5) POWER SOURCE PSC SHALL BE LOCATED AT LP 25 AND SHALL CONNECT THE LUMINAIRES ALONG SR 62 (WESTERN AVE) FROM STA. 131+60 TO STA. 147+34.

(6) POWER SOURCE PSD SHALL BE LOCATED AT LP 33 AND SHALL CONNECT THE LUMINAIRES ALONG KEITH AVE (WEST) FROM STA. 308+00 TO STA. 317+11.

(7) CONTRACTOR IS RESPONSIBLE FOR ALL MATERIAL AND INSTALLATION UP TO AND INCLUDING WEATHERHEAD.

(8) KUB WILL INSTALL THE TRANSFORMERS AND DISCONNECTS FOR PSA THRU PSD.

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CONSTRUCTABILITY
FIELD
REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRICAL
DETAILS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	44B

ROADWAY LIGHT POLE SCHEDULE

	POLE NO.	SHEET NO.	LAMP WATTAGE (LED)	VOLTAGE	LUMINAIRE TYPE	NO. OF LAMPS	MOUNTING HEIGHT (FT)	ARM LENGTH (FT)	POWER SOURCE	BASELINE	STATION	OFFSET (FT)	SIDE	NORTHING	EASTING
(2)	LP 1	44C	200	120/240	A	1	40	15	PSA	SR 62	99+99	49.7	RT	603972.8107	2570737.9077
	LP 2	44C	200	120/240	B	1	40	15	PSA	SR 62	106+01	51.2	RT	604000.4997	2571339.1106
	LP 3	44C	200	120/240	C	1	40	15	PSA	SR 62	109+54	55.2	RT	604013.7058	2571692.0840
	LP 4	44C	200	120/240	B	1	40	15	PSA	SR 62	111+62	56.5	RT	604022.5005	2571900.1780
(6)	LP 5	44D	200	120/240	A	1	40	15	PSA	SR 62	114+56	49.0	RT	604012.0931	2572181.1855
	LP 6	44D	200	120/240	D	1	40	15	PSB	SR 62	118+32	NA	RT	ON BRIDGE	
	LP 7	44E	200	120/240	B	1	40	15	PSB	SR 62	124+47	57.0	RT	603491.2093	2572958.5529
(1)	LP 8	44E	200	120/240	A	1	40	15	PSB	SR 62	126+44	53.8	RT	603347.6605	2573093.7466
(2)	LP 9	44E	200	120/240	A	1	40	15	PSB	SR 62	128+27	49.0	RT	603215.9355	2573220.1794
(2)	LP 10	44E	200	120/240	A	1	40	15	PSB	SR 62	130+29	49.0	RT	603066.8066	2573356.0420
(2)	LP 11	44E	200	120/240	A	1	40	15	PSC	SR 62	132+18	49.0	RT	602927.3538	2573479.9788
(2)	LP 12	44F	200	120/240	A	1	40	15	PSC	SR 62	138+37	49.0	RT	602413.3039	2573813.9329
	LP 13	44F	200	120/240	B	1	40	15	PSC	SR 62	139+83	56.4	RT	602284.1458	2573894.9172
	LP 14	44F	200	120/240	B	1	40	15	PSC	SR 62	141+34	55.0	RT	602171.4952	2574011.2969
	LP 15	44C	200	120/240	B	1	40	15	PSA	SR 62	98+36	61.9	LT	604076.3800	2570569.7480
	LP 16	44C	200	120/240	A	1	40	15	PSA	SR 62	101+97	50.1	LT	604082.1116	2570930.6403
(2)	LP 17	44C	200	120/240	A	1	40	15	PSA	SR 62	104+00	50.1	LT	604091.9985	2571133.9902
	LP 18	44C	200	120/240	C	1	40	15	PSA	SR 62	107+93	50.8	LT	604111.7463	2571526.1382
(3)	LP 19	44D	200	120/240	A	1	40	15	PSA	SR 62	112+75	64.0	LT	604144.1927	2572011.9832
(4, 5)	LP 20	44D	NA	120/240	E	1	NA	NA	PSA	SR 62	114+48	64.0	LT	604124.6949	2572193.6849
(1)	LP 21	44D	200	120/240	A	1	40	15	PSA	SR 62	116+36	53.8	LT	604064.7045	2572381.5088
	LP 22	44D	200	120/240	D	1	40	15	PSB	SR 62	120+50	NA	LT	ON BRIDGE	
	LP 23	44D	200	120/240	B	1	40	15	PSB	SR 62	122+67	56.7	LT	603701.3764	2572920.9259
	LP 24	44E	200	120/240	B	1	40	15	PSC	SR 62	134+20	52.5	LT	602819.9486	2573676.0298
	LP 25	44F	200	120/240	C	1	38.5	15	PSC	SR 62	136+36	51.3	LT	602636.8073	2573790.8902
	LP 26	44F	200	120/240	B	1	40	15	PSC	SR 62	143+02	41.5	LT	602162.0134	2574205.4274
	LP 27	44F	200	120/240	B	1	40	15	PSC	SR 62	145+09	53.0	LT	602097.9860	2574398.7630
	LP 28	44F	200	120/240	B	1	40	15	PSC	SR 62	147+34	35.6	LT	602001.3850	2574604.7290
	LP 29	44C	200	120/240	B	1	40	15	PSA	MYNDERSE AVE	11+47	42.7	RT	604224.2113	2571898.9676
(2)	LP 30	44F	150	120/240	A	1	40	6	PSC	KEITH AVE	64+63	47.4	LT	602568.5914	2573874.5332
	LP 31	44F	150	120/240	B	1	32	6	PSC	KEITH AVE	66+49	36.7	RT	602630.1890	2574069.2489
	LP 32	44F	150	120/240	B	1	27.5	6	PSC	KEITH AVE	68+56	25.4	RT	602776.1440	2574215.4095
	LP 33	44I	150	120/240	B	1	40	6	PSD	KEITH AVE (WEST)	317+11	33.1	RT	602010.0169	2574074.3795
	LP 34	44I	150	120/240	D	1	40	6	PSD	KEITH AVE (WEST)	315+00	NA	RT	ON BRIDGE	
(2)	LP 35	44I	150	120/240	A	1	40	6	PSD	KEITH AVE (WEST)	312+83	21.0	RT	601998.9794	2573641.7031
(2)	LP 36	44I	150	120/240	A	1	40	6	PSD	KEITH AVE (WEST)	310+82	21.0	RT	602043.6888	2573450.9218
	LP 37	44I	150	120/240	B	1	40	6	PSD	KEITH AVE (WEST)	308+77	23.7	LT	602022.5741	2573246.1377

A = PROPOSED LED LUMINAIRE ON NEW ROADWAY LIGHT STANDARD
B = PROPOSED LED LUMINAIRE ON KUB UTILITY POLE
C = PROPOSED LED LUMINAIRE AND RELOCATED LUMINAIRE FOR PRIVATE PROPERTY ON KUB UTILITY POLE
D = PROPSED LED LUMINAIRE ON NEW BRIDGE LIGHT STANDARD
E = RELOCATED LUMINAIRE FOR PRIVATE PROPERTY ON NEW WOOD POLE

(1) TO BE LOCATED 4 FEET BEHIND THE GUARD RAIL
(2) FRONT FACE OF POLE TO BE LOCATED AT BACK OF SIDEWALK
(3) BACK FACE OF POLE TO BE LOCATED AT R.O.W. LINE
(4) FRONT FACE OF POLE TO BE LOCATED AT R.O.W. LINE
(5) POLE LENGTH AND MOUNTING HEIGHT TO BE DETERMINED BY KUB
(6) BACK FACE OF POLE TO BE LOCATED AT BACK OF SIDEWALK

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FIELD
REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

(POLE DATA)

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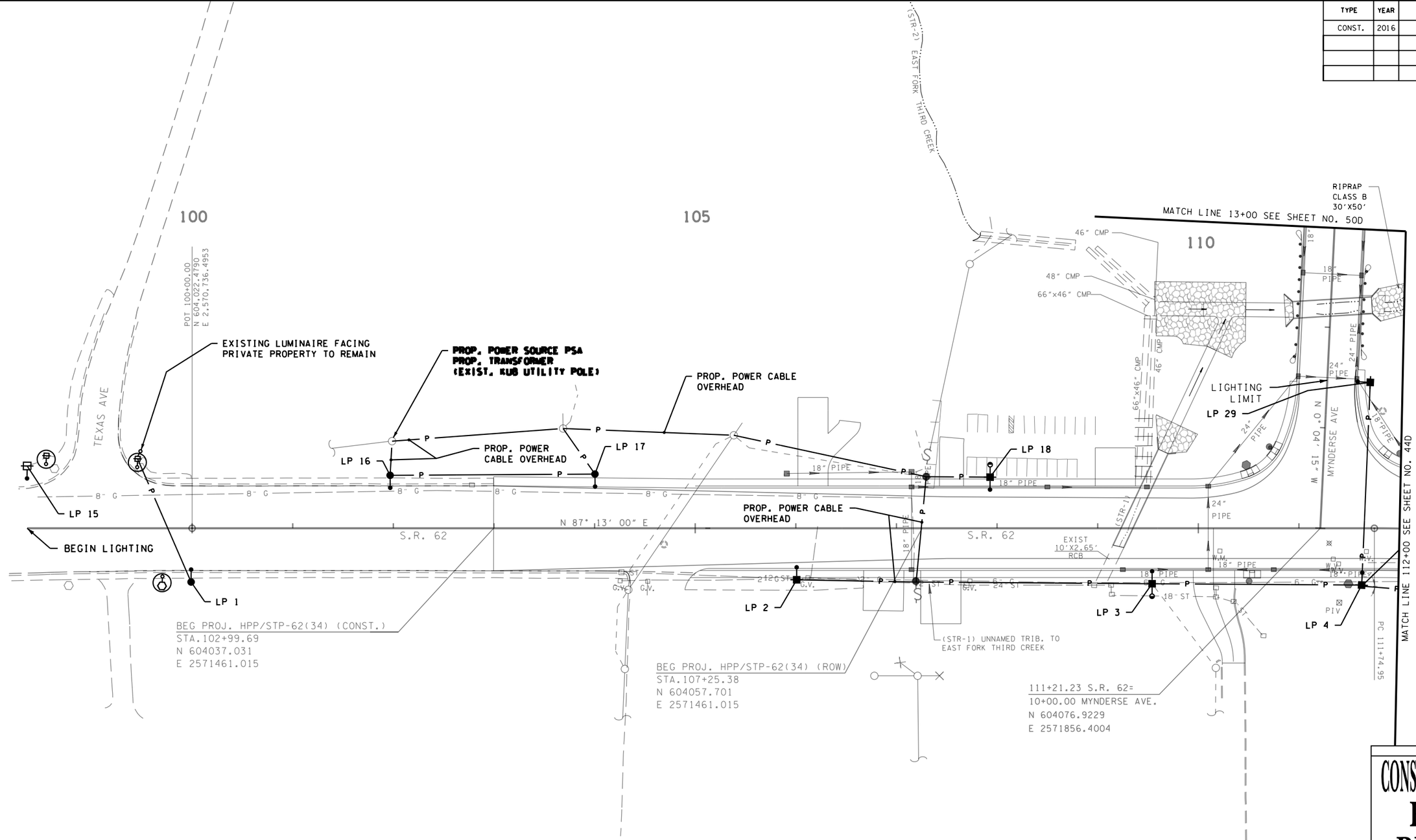
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	44C



LEGEND

- PROPOSED ROADWAY LUMINAIRE ON LIGHT STANDARD (40' MH, ARM LENGTHS VARY)
- RELOCATED PRIVATE PROPERTY LUMINAIRE ON NEW WOOD POLE
- PROPOSED ROADWAY LUMINAIRE ON KUB UTILITY POLE (MOUNTING HEIGHTS AND ARM LENGTHS VARY)
- PROPOSED ROADWAY AND RELOCATED PRIVATE PROPERTY LUMINAIRE ON KUB UTILITY POLE (MOUNTING HEIGHTS AND ARM LENGTHS VARY)
- EXISTING ROADWAY LUMINAIRE WITH ARM ON KUB UTILITY [SIGNAL] POLE TO BE REMOVED (POLE TO REMAIN)
- EXISTING POLE AND LUMINAIRE TO REMAIN (VARIOUS TYPES)

NOTES:

1. FOR R.O.W. DATA REFER TO R.O.W. DETAILS SHEETS 4A-10A.
2. FOR CURVE DATA REFER TO PROPOSED LAYOUT SHEETS 4B-10B.

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CONSTRUCTABILITY FIELD REVIEW

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LIGHTING LAYOUT

B.O.P. TO STA. 112+00

SCALE: 1"= 50'

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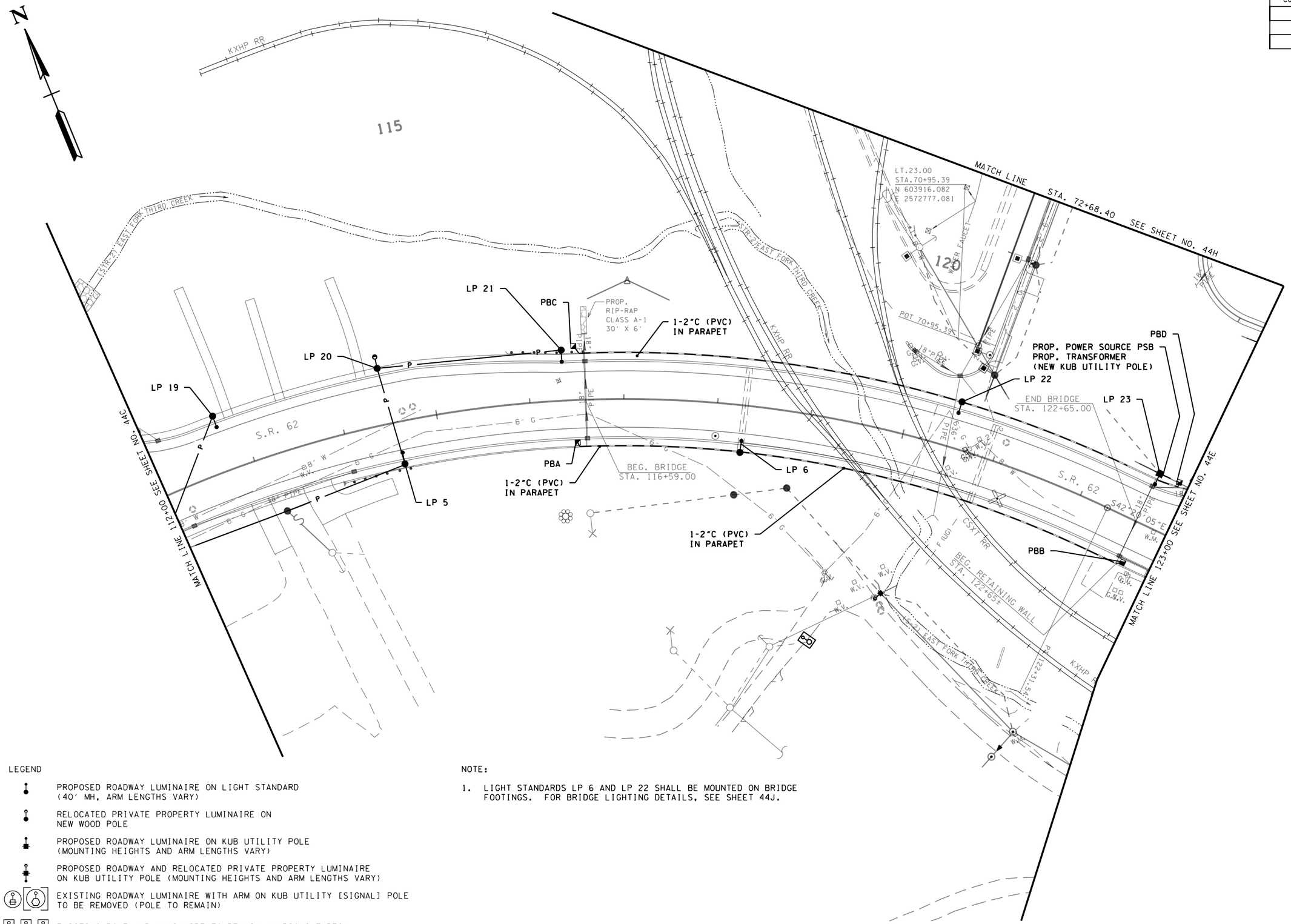
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	44D



LEGEND

- PROPOSED ROADWAY LUMINAIRE ON LIGHT STANDARD (40' MH, ARM LENGTHS VARY)
- RELOCATED PRIVATE PROPERTY LUMINAIRE ON NEW WOOD POLE
- PROPOSED ROADWAY LUMINAIRE ON KUB UTILITY POLE (MOUNTING HEIGHTS AND ARM LENGTHS VARY)
- PROPOSED ROADWAY AND RELOCATED PRIVATE PROPERTY LUMINAIRE ON KUB UTILITY POLE (MOUNTING HEIGHTS AND ARM LENGTHS VARY)
- EXISTING ROADWAY LUMINAIRE WITH ARM ON KUB UTILITY [SIGNAL] POLE TO BE REMOVED (POLE TO REMAIN)
- EXISTING POLE AND LUMINAIRE TO REMAIN (VARIOUS TYPES)

NOTE:

1. LIGHT STANDARDS LP 6 AND LP 22 SHALL BE MOUNTED ON BRIDGE FOOTINGS. FOR BRIDGE LIGHTING DETAILS, SEE SHEET 44J.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LIGHTING LAYOUT

STA. 112+00 TO STA. 123+00

SCALE: 1"= 50'

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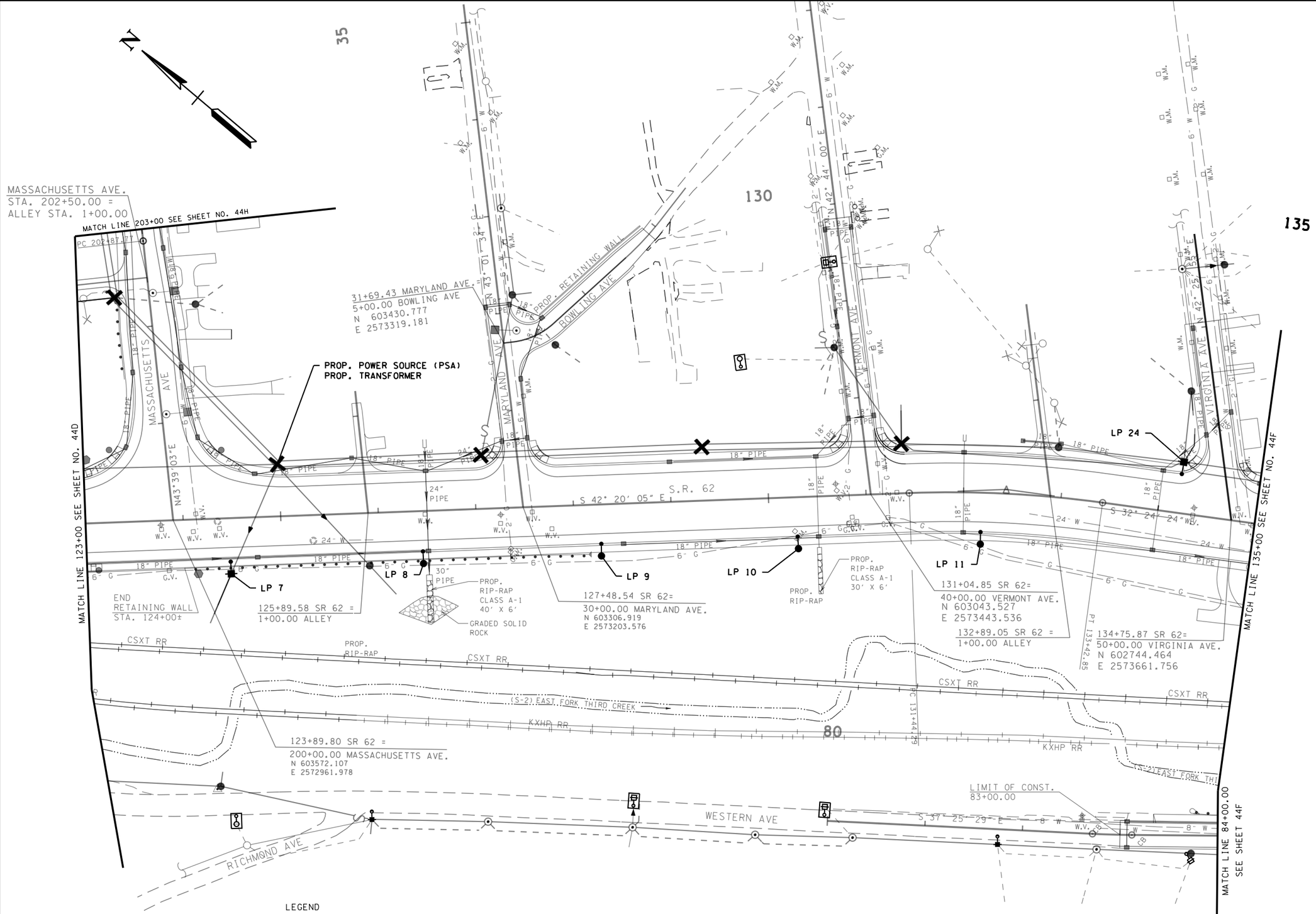
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	44E



LEGEND

- PROPOSED ROADWAY LUMINAIRE ON LIGHT STANDARD (40' MH, ARM LENGTHS VARY)
- RELOCATED PRIVATE PROPERTY LUMINAIRE ON NEW WOOD POLE
- PROPOSED ROADWAY LUMINAIRE ON KUB UTILITY POLE (MOUNTING HEIGHTS AND ARM LENGTHS VARY)
- PROPOSED ROADWAY AND RELOCATED PRIVATE PROPERTY LUMINAIRE ON KUB UTILITY POLE (MOUNTING HEIGHTS AND ARM LENGTHS VARY)
- EXISTING ROADWAY LUMINAIRE WITH ARM ON KUB UTILITY [SIGNAL] POLE TO BE REMOVED (POLE TO REMAIN)
- EXISTING POLE AND LUMINAIRE TO REMAIN (VARIOUS TYPES)

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COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LIGHTING LAYOUT

STA. 123+00 TO STA. 135+00

SCALE: 1"= 50'

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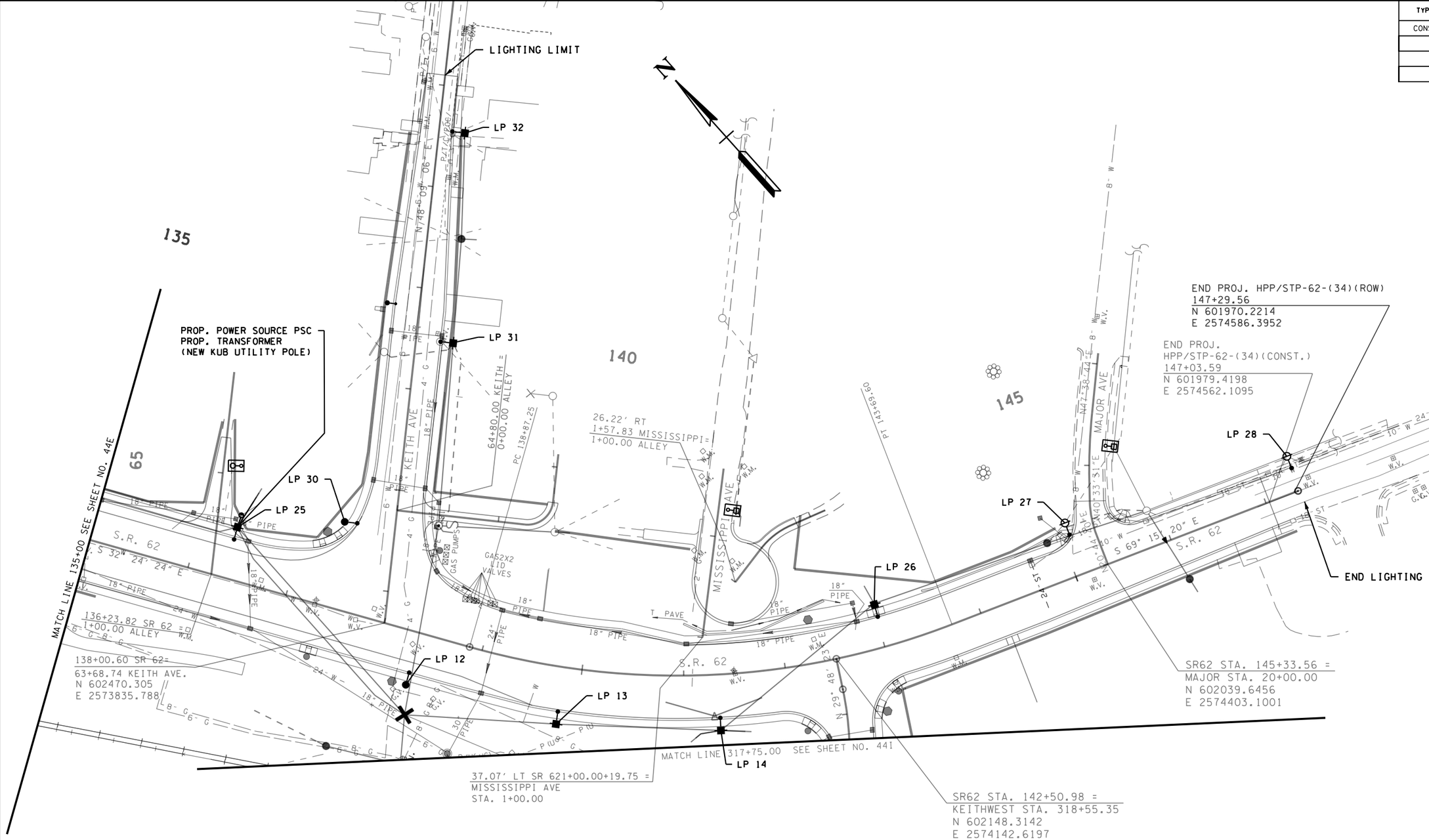
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	44F



LEGEND

- PROPOSED ROADWAY LUMINAIRE ON LIGHT STANDARD (40' MH, ARM LENGTHS VARY)
- RELOCATED PRIVATE PROPERTY LUMINAIRE ON NEW WOOD POLE
- PROPOSED ROADWAY LUMINAIRE ON KUB UTILITY POLE (MOUNTING HEIGHTS AND ARM LENGTHS VARY)
- PROPOSED ROADWAY AND RELOCATED PRIVATE PROPERTY LUMINAIRE ON KUB UTILITY POLE (MOUNTING HEIGHTS AND ARM LENGTHS VARY)
- EXISTING ROADWAY LUMINAIRE WITH ARM ON KUB UTILITY [SIGNAL] POLE TO BE REMOVED (POLE TO REMAIN)
- EXISTING POLE AND LUMINAIRE TO REMAIN (VARIOUS TYPES)

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STATE OF TENNESSEE
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LIGHTING LAYOUT

STA. 135+00 TO STA. 147+00

SCALE: 1"= 50'

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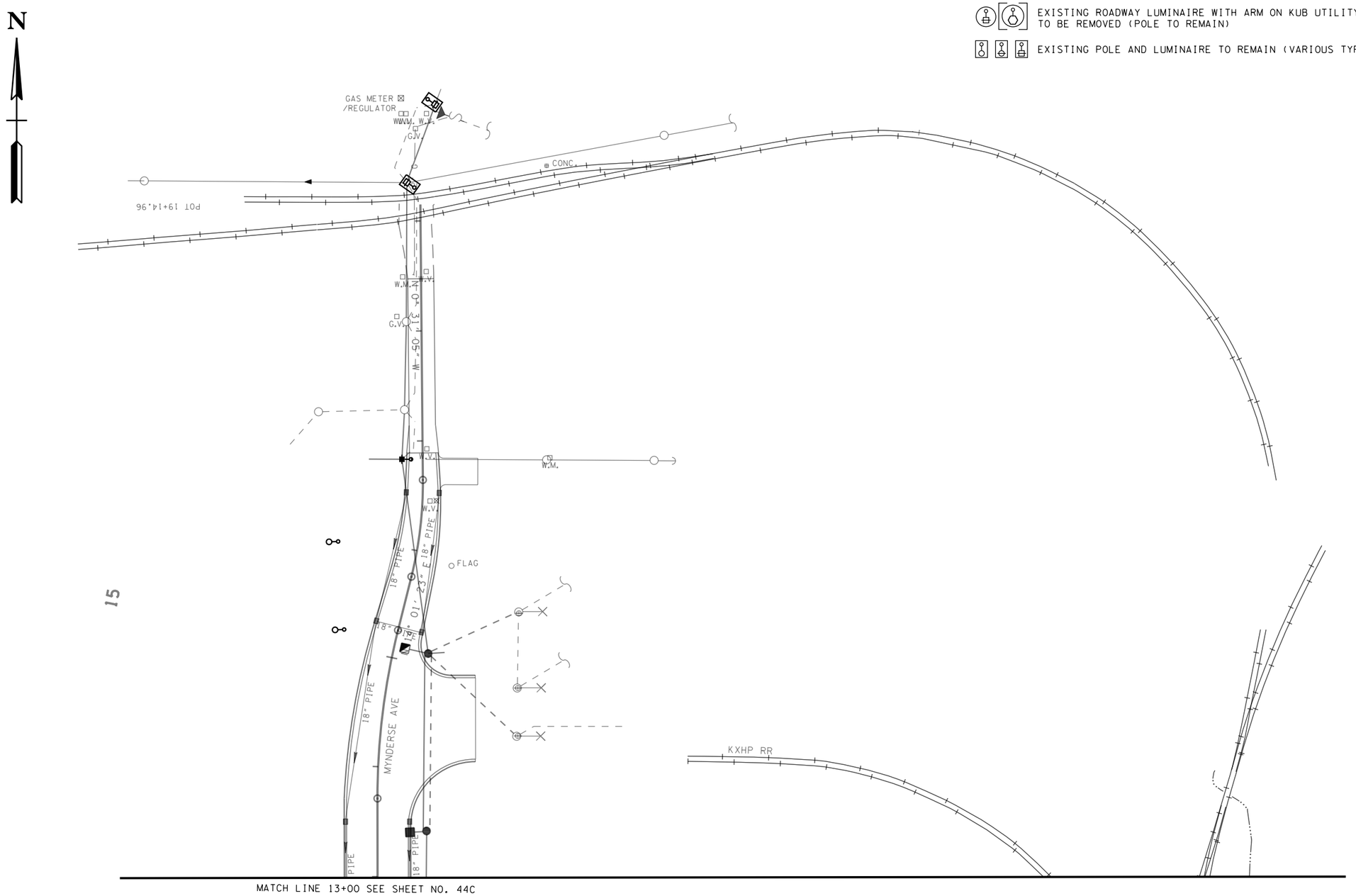
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	44G

LEGEND

- PROPOSED ROADWAY LUMINAIRE ON LIGHT STANDARD (40' MH, ARM LENGTHS VARY)
- RELOCATED PRIVATE PROPERTY LUMINAIRE ON NEW WOOD POLE
- PROPOSED ROADWAY LUMINAIRE ON KUB UTILITY POLE (MOUNTING HEIGHTS AND ARM LENGTHS VARY)
- PROPOSED ROADWAY AND RELOCATED PRIVATE PROPERTY LUMINAIRE ON KUB UTILITY POLE (MOUNTING HEIGHTS AND ARM LENGTHS VARY)
- EXISTING ROADWAY LUMINAIRE WITH ARM ON KUB UTILITY [SIGNAL] POLE TO BE REMOVED (POLE TO REMAIN)
- EXISTING POLE AND LUMINAIRE TO REMAIN (VARIOUS TYPES)



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LIGHTING LAYOUT

MYNDERSE AVE.

SCALE: 1"= 50'

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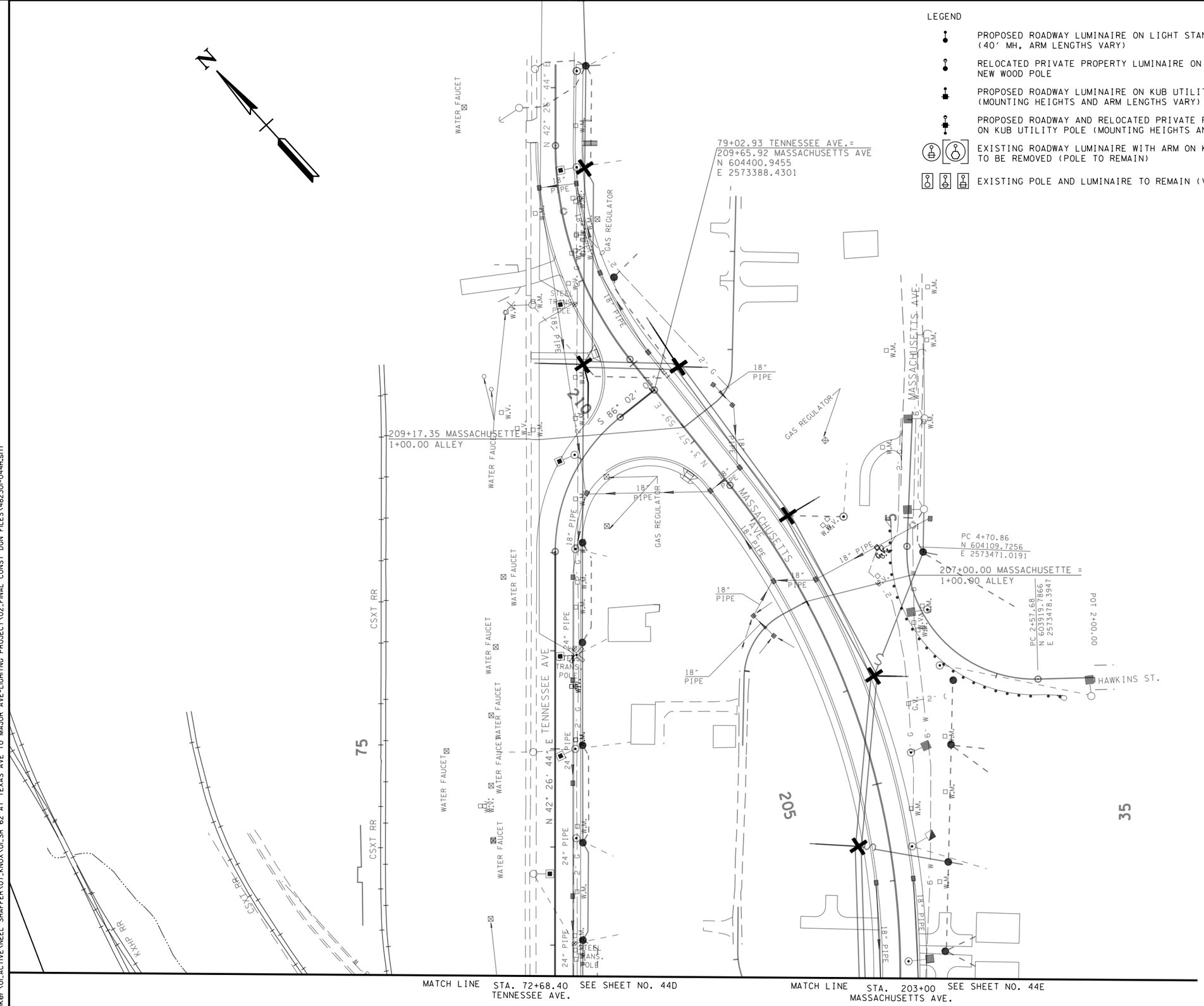
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	44H

LEGEND

- PROPOSED ROADWAY LUMINAIRE ON LIGHT STANDARD (40' MH, ARM LENGTHS VARY)
- RELOCATED PRIVATE PROPERTY LUMINAIRE ON NEW WOOD POLE
- PROPOSED ROADWAY LUMINAIRE ON KUB UTILITY POLE (MOUNTING HEIGHTS AND ARM LENGTHS VARY)
- PROPOSED ROADWAY AND RELOCATED PRIVATE PROPERTY LUMINAIRE ON KUB UTILITY POLE (MOUNTING HEIGHTS AND ARM LENGTHS VARY)
- EXISTING ROADWAY LUMINAIRE WITH ARM ON KUB UTILITY [SIGNAL] POLE TO BE REMOVED (POLE TO REMAIN)
- EXISTING POLE AND LUMINAIRE TO REMAIN (VARIOUS TYPES)



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LIGHTING LAYOUT

MASSACHUSETTS AVE.

SCALE: 1"= 50'

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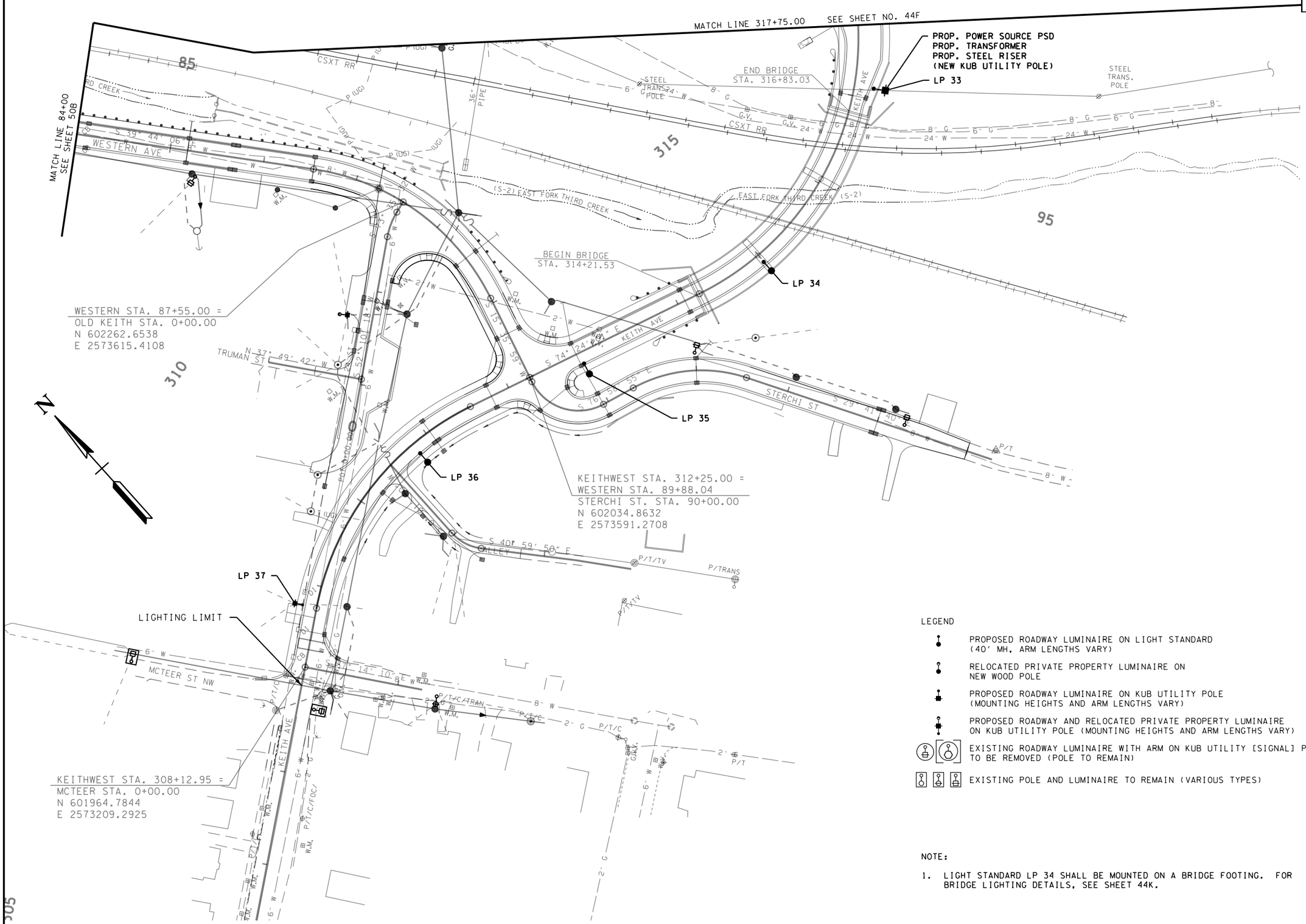
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	44I



LEGEND

- PROPOSED ROADWAY LUMINAIRE ON LIGHT STANDARD (40' MH. ARM LENGTHS VARY)
- RELOCATED PRIVATE PROPERTY LUMINAIRE ON NEW WOOD POLE
- PROPOSED ROADWAY LUMINAIRE ON KUB UTILITY POLE (MOUNTING HEIGHTS AND ARM LENGTHS VARY)
- PROPOSED ROADWAY AND RELOCATED PRIVATE PROPERTY LUMINAIRE ON KUB UTILITY POLE (MOUNTING HEIGHTS AND ARM LENGTHS VARY)
- EXISTING ROADWAY LUMINAIRE WITH ARM ON KUB UTILITY [SIGNAL] POLE TO BE REMOVED (POLE TO REMAIN)
- EXISTING POLE AND LUMINAIRE TO REMAIN (VARIOUS TYPES)

NOTE:

1. LIGHT STANDARD LP 34 SHALL BE MOUNTED ON A BRIDGE FOOTING. FOR BRIDGE LIGHTING DETAILS, SEE SHEET 44K.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LIGHTING LAYOUT

KEITH AVENUE
STA. 135+00 TO STA. 147+00

SCALE: 1"= 50'

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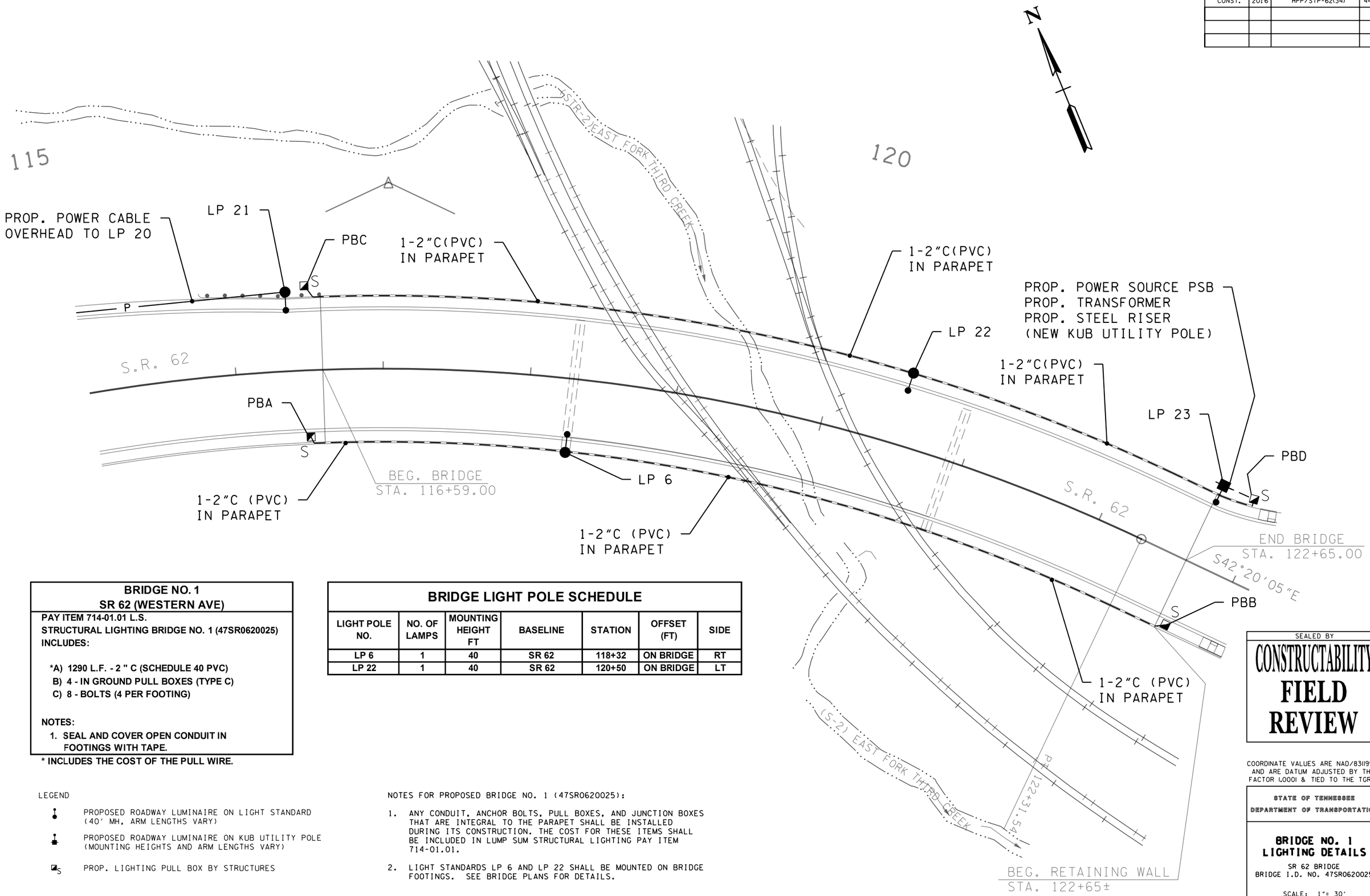
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	44 J



BRIDGE NO. 1
SR 62 (WESTERN AVE)

PAY ITEM 714-01.01 L.S.
STRUCTURAL LIGHTING BRIDGE NO. 1 (47SR0620025)
INCLUDES:

***A) 1290 L.F. - 2 " C (SCHEDULE 40 PVC)**
B) 4 - IN GROUND PULL BOXES (TYPE C)
C) 8 - BOLTS (4 PER FOOTING)

NOTES:
1. **SEAL AND COVER OPEN CONDUIT IN FOOTINGS WITH TAPE.**

*** INCLUDES THE COST OF THE PULL WIRE.**

BRIDGE LIGHT POLE SCHEDULE

LIGHT POLE NO.	NO. OF LAMPS	MOUNTING HEIGHT FT	BASELINE	STATION	OFFSET (FT)	SIDE
LP 6	1	40	SR 62	118+32	ON BRIDGE	RT
LP 22	1	40	SR 62	120+50	ON BRIDGE	LT

LEGEND

- PROPOSED ROADWAY LUMINAIRE ON LIGHT STANDARD (40' MH, ARM LENGTHS VARY)
- PROPOSED ROADWAY LUMINAIRE ON KUB UTILITY POLE (MOUNTING HEIGHTS AND ARM LENGTHS VARY)
- S PROP. LIGHTING PULL BOX BY STRUCTURES

NOTES FOR PROPOSED BRIDGE NO. 1 (47SR0620025):

1. ANY CONDUIT, ANCHOR BOLTS, PULL BOXES, AND JUNCTION BOXES THAT ARE INTEGRAL TO THE PARAPET SHALL BE INSTALLED DURING ITS CONSTRUCTION. THE COST FOR THESE ITEMS SHALL BE INCLUDED IN LUMP SUM STRUCTURAL LIGHTING PAY ITEM 714-01.01.
2. LIGHT STANDARDS LP 6 AND LP 22 SHALL BE MOUNTED ON BRIDGE FOOTINGS. SEE BRIDGE PLANS FOR DETAILS.

SEALED BY
CONSTRUCTABILITY FIELD REVIEW

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 1
LIGHTING DETAILS
SR 62 BRIDGE
BRIDGE I.D. NO. 47SR0620025

SCALE: 1"= 30'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	44K

BRIDGE LIGHT POLE SCHEDULE

LIGHT POLE NO.	NO. OF LAMPS	MOUNTING HEIGHT FT	BASELINE	STATION	OFFSET (FT)	SIDE
LP 34	1	40	SR 62	315+00	BRIDGE	RT

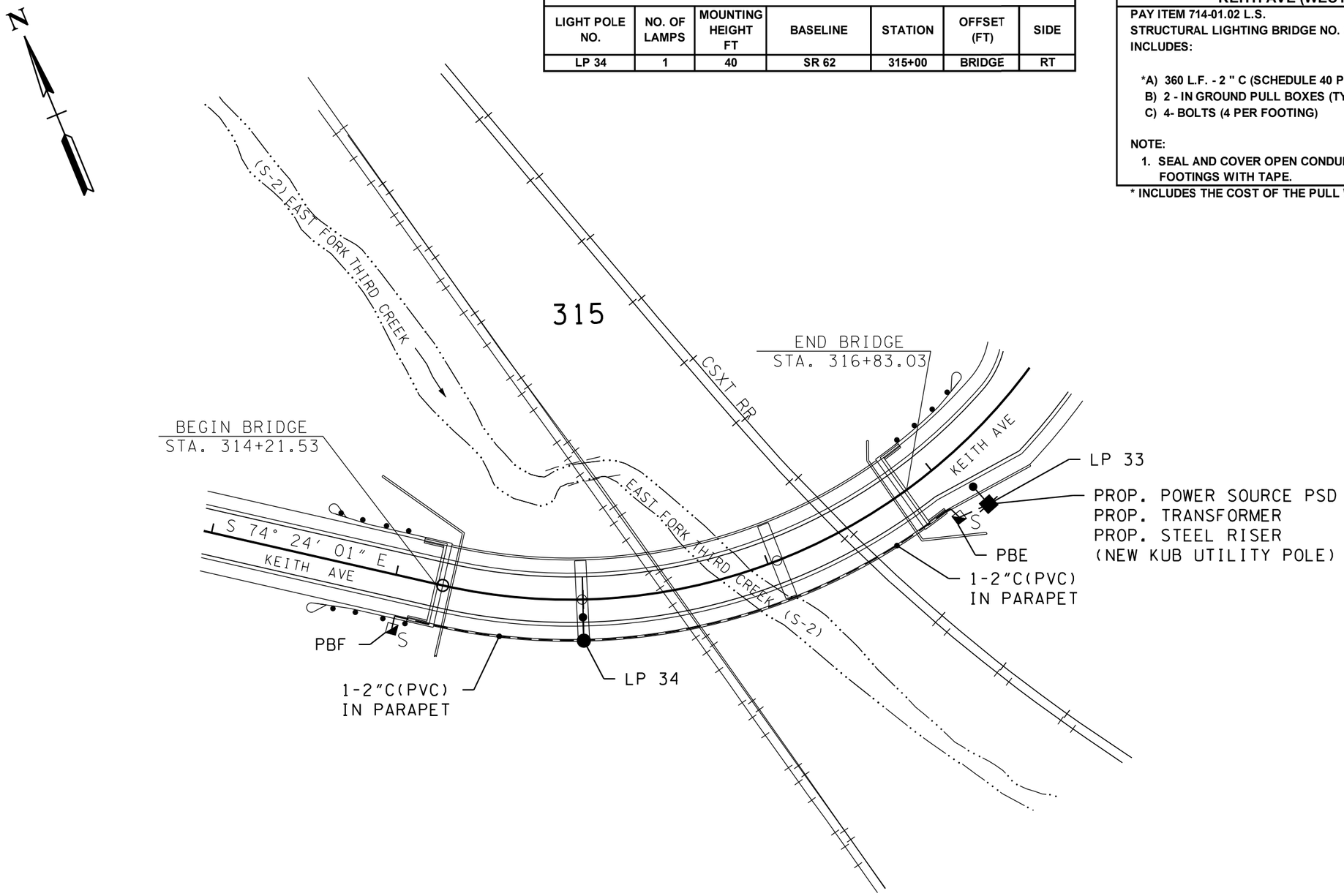
BRIDGE NO. 2
KEITH AVE (WEST)

PAY ITEM 714-01.02 L.S.
STRUCTURAL LIGHTING BRIDGE NO. 2 (47-0174-0001)
INCLUDES:

*A) 360 L.F. - 2 " C (SCHEDULE 40 PVC)
B) 2 - IN GROUND PULL BOXES (TYPE C)
C) 4- BOLTS (4 PER FOOTING)

NOTE:
1. SEAL AND COVER OPEN CONDUIT IN FOOTINGS WITH TAPE.

* INCLUDES THE COST OF THE PULL WIRE.



LEGEND

- PROPOSED ROADWAY LUMINAIRE ON LIGHT STANDARD (40' MH, ARM LENGTHS VARY)
- PROPOSED ROADWAY LUMINAIRE ON KUB UTILITY POLE (MOUNTING HEIGHTS AND ARM LENGTHS VARY)
- S PROP. LIGHTING PULL BOX BY STRUCTURES

NOTES FOR PROPOSED BRIDGE NO. 2 (47-0174-0001):

1. ANY CONDUIT, ANCHOR BOLTS, PULL BOXES, AND JUNCTION BOXES THAT ARE INTEGRAL TO THE PARAPET SHALL BE INSTALLED DURING ITS CONSTRUCTION. THE COST FOR THESE ITEMS SHALL BE INCLUDED IN LUMP SUM STRUCTURAL LIGHTING PAY ITEM 714-01.02.
2. LIGHT STANDARD LP 34 SHALL BE MOUNTED ON BRIDGE FOOTINGS. SEE BRIDGE PLANS FOR DETAILS.

SEALED BY
CONSTRUCTABILITY
FIELD
REVIEW

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 2
LIGHTING DETAILS

KEITH AVE (WEST)
BRIDGE I.D. NO. 47-0174-0001

SCALE: 1"= 30'

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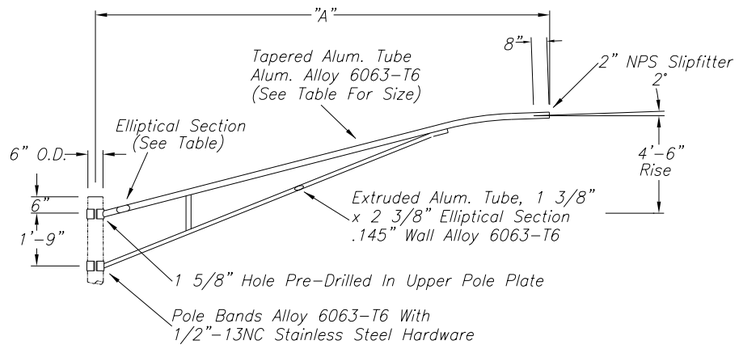
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	44L



Note:
Cast Alum Cap (KUB Item Number 40189) For 6" Pole Top
With S. S. Screws Furnished With Truss Arm.

KUB Item No.	A	Tube Size	Elliptical Section	KUB Bkt Detail Dwg #
15269-001	6'	3" O.D. x .125" Wall	2 3/8" x 3 1/2"	A88116
15269-003	15'	3.5" O.D. x .125" Wall	2 3/8" x 4 3/8"	A87486

DETAIL 'A'
TRUSS ARM

NOTES

1. FOR 6' AND 15' TRUSS ARM LOCATIONS, SEE ROADWAY LIGHT POLE SCHEDULE ON SHEET 44B.

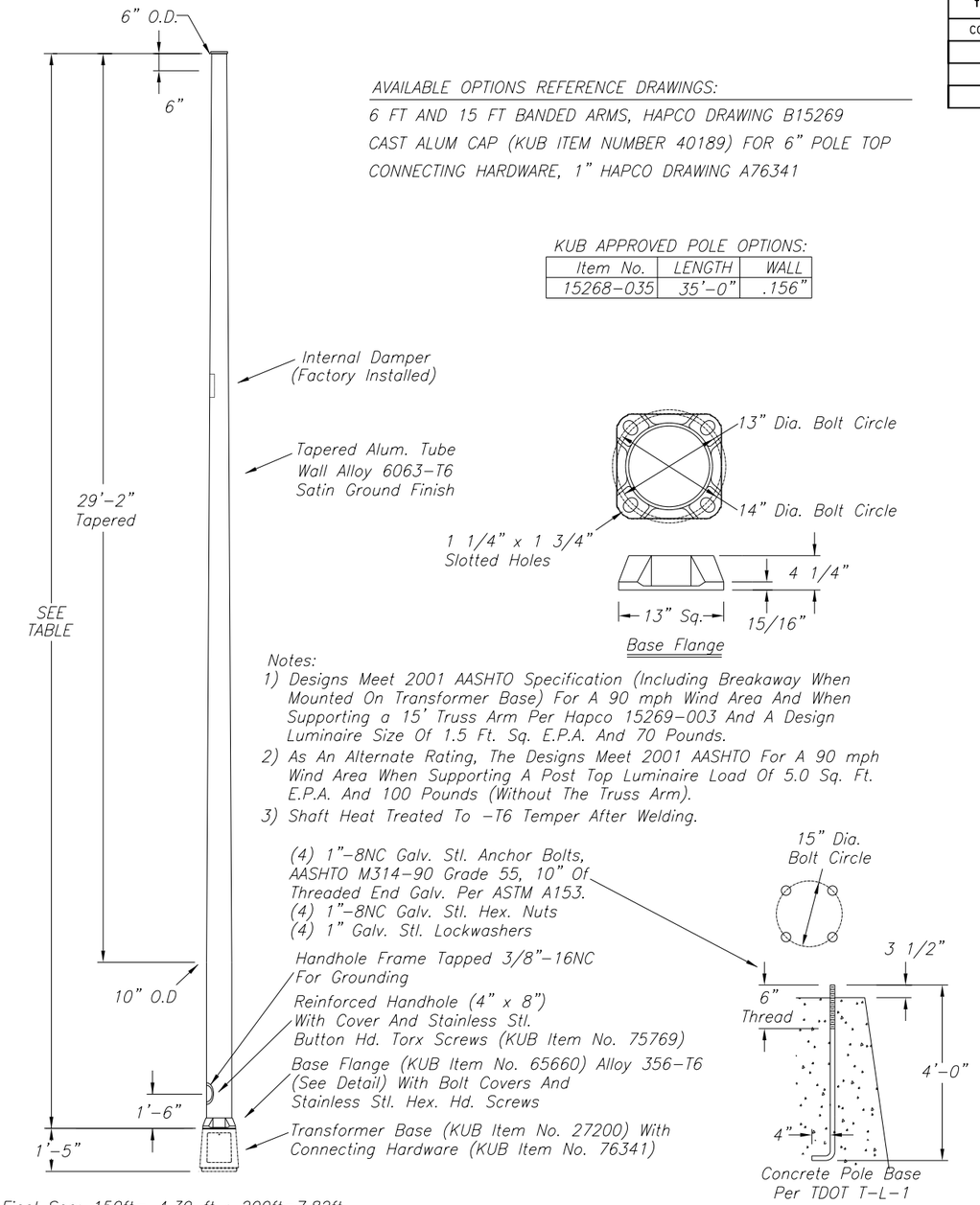
2. BRACKETS ARE FOR USE WITH 35' ALUMINUM LIGHT STANDARD (KUB ITEM NUMBER 15268-035).

AVAILABLE OPTIONS REFERENCE DRAWINGS:

6 FT AND 15 FT BANDED ARMS, HAPCO DRAWING B15269
CAST ALUM CAP (KUB ITEM NUMBER 40189) FOR 6" POLE TOP
CONNECTING HARDWARE, 1" HAPCO DRAWING A76341

KUB APPROVED POLE OPTIONS:

Item No.	LENGTH	WALL
15268-035	35'-0"	.156"



Notes:
1) Designs Meet 2001 AASHTO Specification (Including Breakaway When Mounted On Transformer Base) For A 90 mph Wind Area And When Supporting a 15' Truss Arm Per Hapco 15269-003 And A Design Luminaire Size Of 1.5 Ft. Sq. E.P.A. And 70 Pounds.
2) As An Alternate Rating, The Designs Meet 2001 AASHTO For A 90 mph Wind Area When Supporting A Post Top Luminaire Load Of 5.0 Sq. Ft. E.P.A. And 100 Pounds (Without The Truss Arm).
3) Shaft Heat Treated To -T6 Temper After Welding.

Final Sag: 150ft= 4.39 ft ; 200ft=7.82ft
Pulling Tension 44# Final Tension 40# #6 DX (Collie)

Medium Loading District/150 ft ruling span (150% ultimate tension)

DETAIL 'B'
35' ALUMINUM LIGHT STANDARD

NOTES

1. FOR 35' ALUMINUM LIGHT STANDARD LOCATIONS, SEE ROADWAY LIGHT POLE SCHEDULE ON SHEET 44B.

2. FOR LIGHT STANDARDS ON BRIDGE WALLS, THE CONTRACTOR SHALL DETERMINE POLE LENGTH FOR MOUNTING HEIGHT. FOR LOCATION OF BRIDGE LIGHT STANDARDS, SEE BRIDGE LIGHTING DETAILS, SHEETS 44J AND 44K. CONTACT DANIEL McELYEA (KUB), (865) 558-2699, FOR BRIDGE LIGHT STANDARD APPROVAL.

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REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LIGHTING
DETAILS

(KUB STANDARDS)

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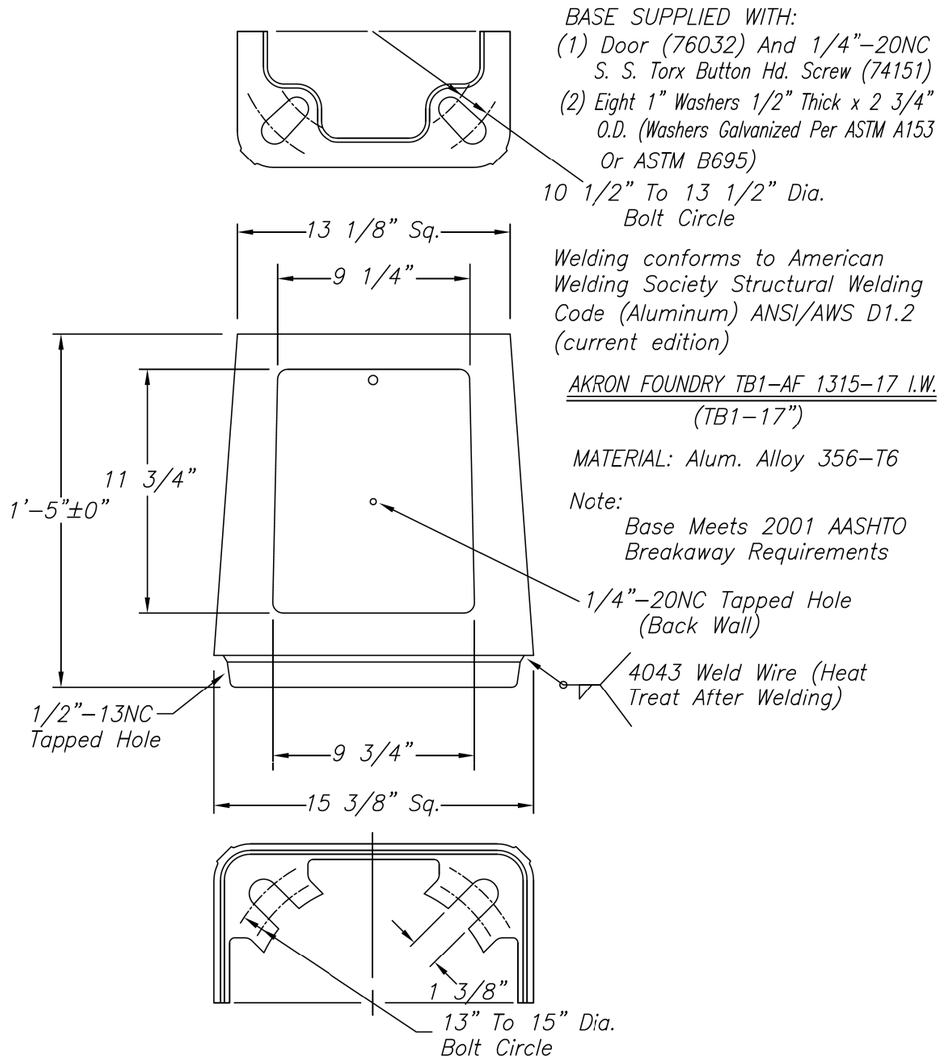
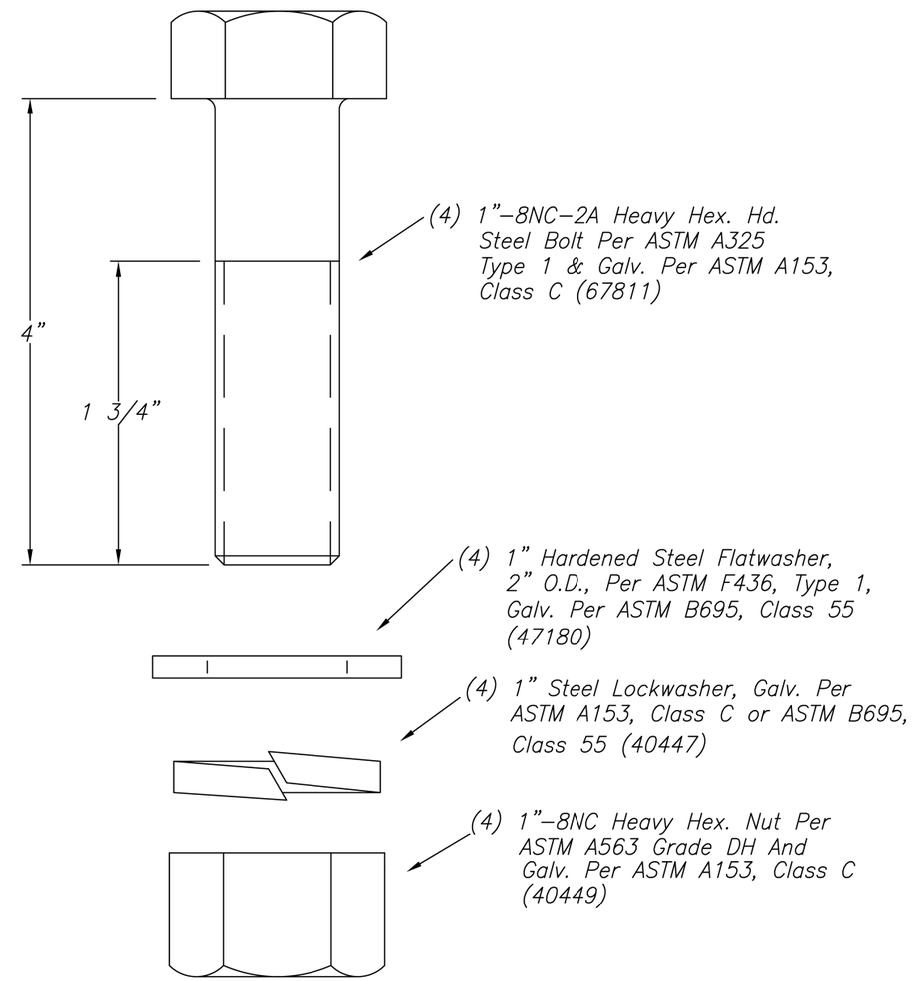
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	44M



DETAIL 'C'
TRANSFORMER BASE

NOTE

1. BASED ON KUB DRAWING NUMBER A27200.



DETAIL 'D'
TRANSFORMER BASE HARDWARE

NOTE

1.BASED ON KUB DRAWING NUMBER A76341.

SEALED BY
CONSTRUCTABILITY
FIELD
REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LIGHTING
DETAILS

(KUB STANDARDS)

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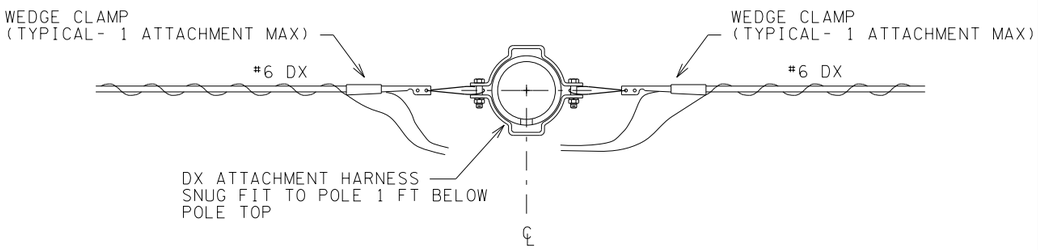
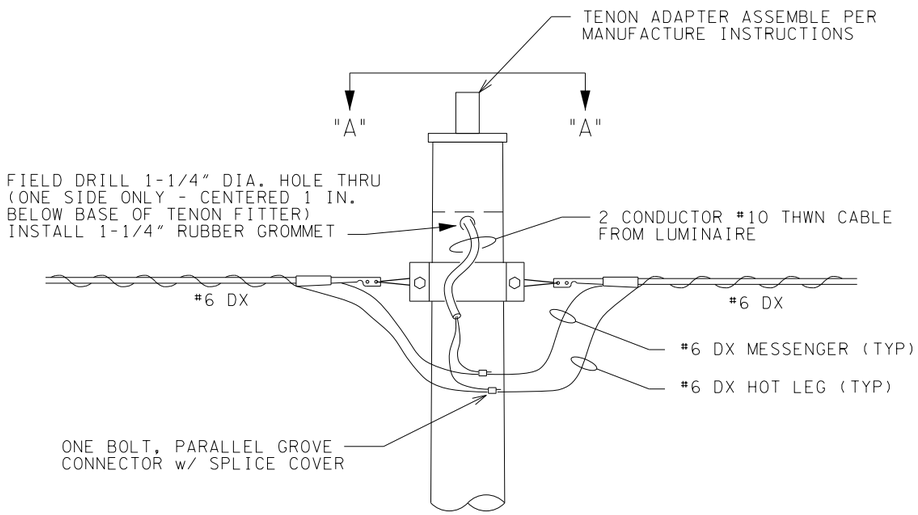
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	44N



PLAN DETAIL "A-A"

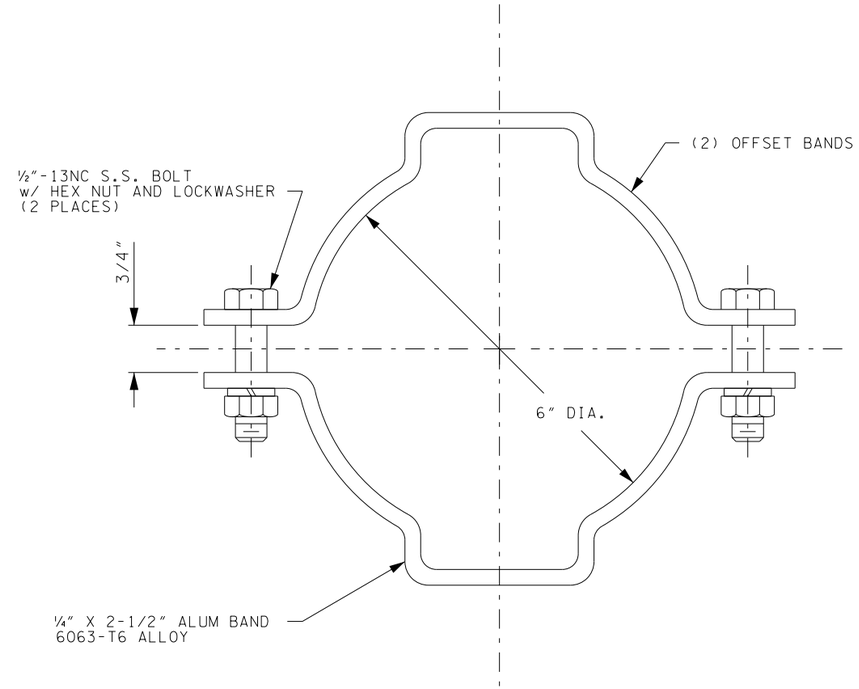


PROFILE

NOTES:

1. DEBURR ALL EDGES.
2. SNUG FIT HARNESS TO POLE
3. ALL MATERIALS MUST BE APPROVED BY KUB.
4. FOR #6 ALUM DUPLEX CABLE ONLY. MAXIMUM OF (2) OH DX CONNECTIONS PER POLE.
5. FOR USE WITH HAPCO POLE B15268 DESIGN ONLY. NO BREAKAWAY DEVICES ALLOWED.

DETAIL 'E'
DUPLEX SERVICE ATTACHMENT
MODIFIED POLE DETAIL



NOTE:

REFERANCE HAPCO DRAWING NO. A35428,
ITEM NO. 35428-600

DETAIL 'F'
POLE HARNESS FOR KUB
UNIVERSAL POLE
WITH OVERHEAD DX ATTACHMENT

NOTE

1. APPROVED FOR USE WITH POLES LISTED ON HAPCO DRAWING B15268 ONLY.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LIGHTING
DETAILS

(KUB STANDARDS)

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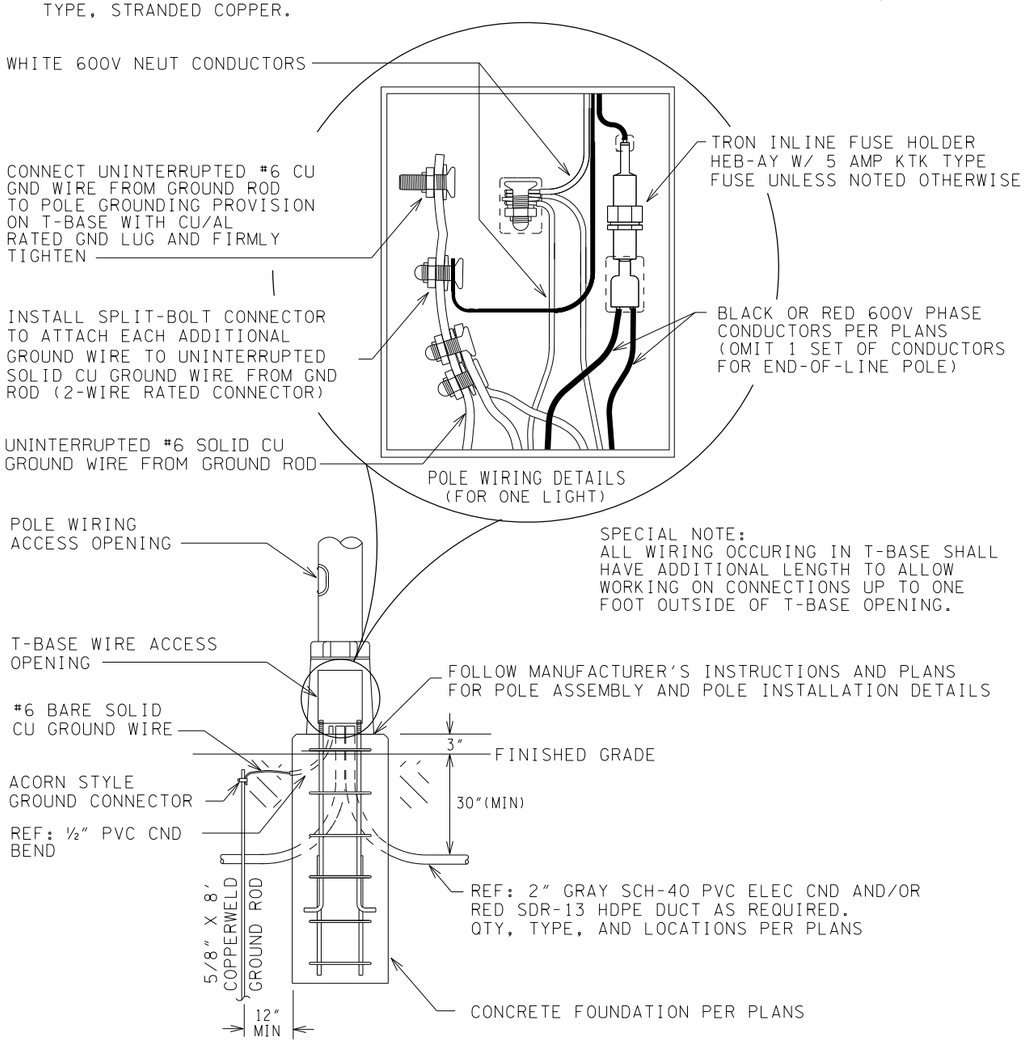
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	44P

WIRING NOTES:

1. ALL PHASE, NEUTRAL, & GROUND CONNECTIONS IN THE KUB SYSTEM ARE TO BE MADE WITH SPLIT-BOLT CONNECTORS & WRAPPED WITH SELF-VULCANIZING RUBBER TAPE APPLIED IN HALF LAP LAYERS TO GIVE A SMOOTH COVERING OF NOT LESS THAN 2 TIMES THE THICKNESS OF THE WIRE INSULATION. OVER THIS RUBBER TAPE APPLY AT LEAST TWO LAYERS OF HALF-LAPPED 7-MIL ULTRAVIOLET, ABRASION, MOISTURE, ALKALID, ACID, & CORROSION RESISTANT VINYL PLASTIC TAPE. WIRE NUTS ARE NEVER ALLOWED.
2. MULTIPLE LIGHTS ON SAME POLE ARE TO BE WIRED & FUSED INDEPENDENTLY AT LOCATIONS NOTED IN THE PLANS.
3. ALL CIRCUITS SHALL BE COLOR-CODED WITH CIRCUIT IDENTIFICATION PER KUB STANDARD DRAWINGS. CABLES IN PULL BOXES, MANHOLES, OR VAULTS MUST ALSO BE TAGGED WITH SOLID BRASS TAGS.
4. ALL WIRING IN CONDUIT TO BE 600V INSULATED, XHHW TYPE, STRANDED COPPER. SIZE PER PLANS.
5. ALL WIRING FROM POLE ACCESS TO LIGHTS/RECEPTACLES SHALL BE 600V INSULATED, #10 THW TYPE, STRANDED COPPER.



DETAIL 'G'
POLE WIRING DETAILS FOR POLES WITH T-BASES

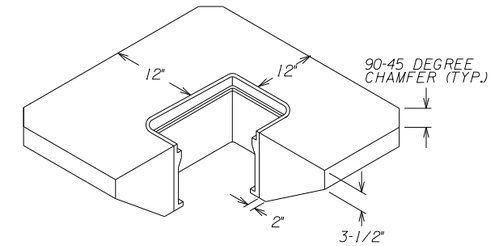
NOTE

1. BASED ON KUB DRAWING NUMBER A15708.

STANDARD KUB APPROVED PULL BOX SIZES:
12" x 12" x 12" (MAXIMUM OF 3-2" CONDUITS) QUAZITE PC STYLE
13" x 24" x 18" (MAXIMUM OF 6-2" CONDUITS) QUAZITE PG STYLE

LARGER PULL BOXES PER KUB APPROVAL

REFERENCES:
UL LISTED TO ANSI/SCTE 77
2008 NEC SECTION 314.20

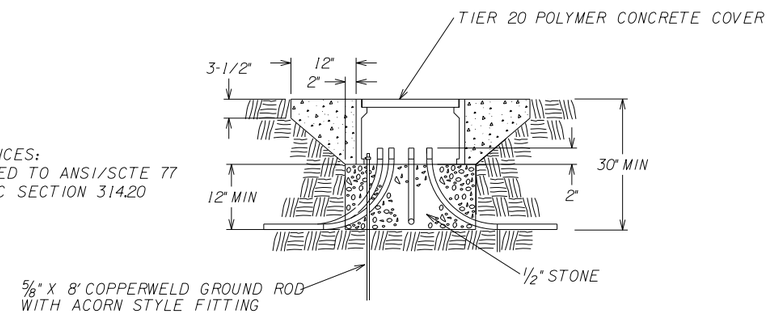


CONCRETE APRON AROUND JUNCTION BOX

NO SCALE

(APPROX.7 CUBIC FEET OF CONCRETE IN NEAT SECTION)
NOTE: 4,000 POUNDS PER SQUARE INCH AT 28 DAYS.

REFERENCES:
UL LISTED TO ANSI/SCTE 77
2008 NEC SECTION 314.20



CONCRETE POLYMER JUNCTION BOX INSTALLATION

NO SCALE

NOTES:
1. CIRCUIT WIRES ARE NOT SHOWN. SEE PLANS.
2. CIRCUITS SHALL BE SPLICED WITH SPLIT BOLT CONNECTORS AND COVERED WITH RUBBER TAPE EQUAL TO 2 TIMES THE INSULATION THICHNESS WITH A FINAL COAT OF VINYL ELECTRICAL TAPE.
3. CONCRETE POLYMER PULL BOX SHALL HAVE A MINIMUM TIER 20 RATING. LOCATIONS FOR USE ARE LIMITED TO OPEN FIELD AND NON-TRAFFIC BEARING AREAS.
4. AASHTO H-20 RATED PREFABRICATED OR POURED IN PLACE CONCRETE PULL BOXES SHALL BE USED IN TRAVEL LANES, SHOULDERS, OR AREAS EXPOSED TO VEHICULAR TRAFFIC. KUB REVIEW AND APPROVAL REQUIRED PRIOR TO PURCHASE AND INSTALLATION.
5. GROUND ROD SHALL BE INSTALLED IN PULL BOXES WHEN LOCATED WITHIN 2 LF OF LIGHT POLES OR IN THE FIRST PULL BOX EXITING BRIDGE INSTALLED LIGHT POLES.

NOTE: KUB APPROVED PULL BOXES ARE OPEN BOTTOM, QUAZITE, HEAVY DUTY MINIMUM TIER 22 RATED BOX AND COVER, STRAIGHT SIDE, WITH (2) SS PENTA FASTENERS, SKID RESISTANT SURFACE, CORNER BOLTS WITH REPLACABLE EZ-NUTS, AND (2) PULL SLOTS, AND "ELECTRIC" LOGO. FOR APPROVED TRAFFIC RATED PULL BOXES, CONTACT KUB ENGINEERING.

DETAIL 'H'
CONCRETE APRON INSTALLATION DETAILS

NOTE

1. BASED ON KUB DRAWING NUMBER A15509.

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REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

(KUB STANDARDS)

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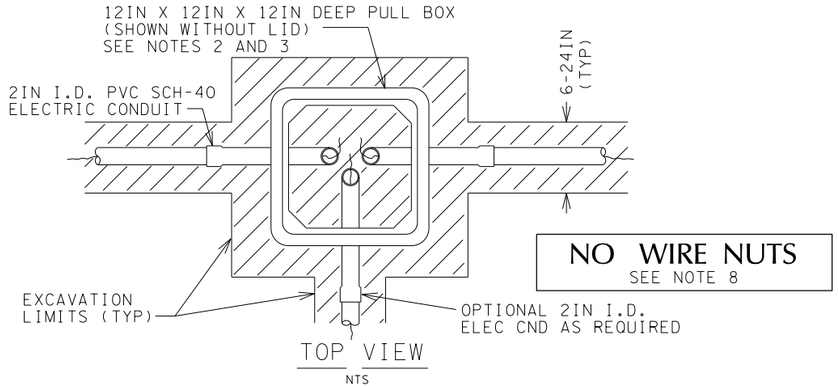
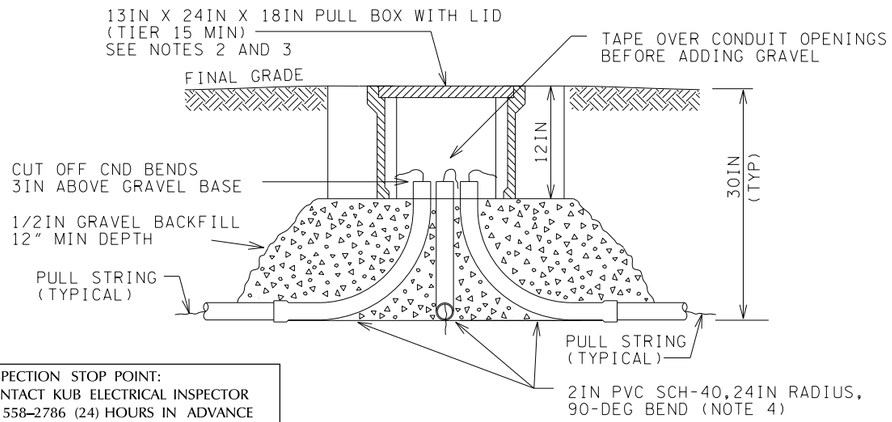
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	HPP/STP-62(34)	440



TOP VIEW

NTS



INSPECTION STOP POINT:
CONTACT KUB ELECTRICAL INSPECTOR
AT 558-2786 (24) HOURS IN ADVANCE
BEFORE BACKFILLING TRENCH.

FRONT SECTION VIEW

NTS

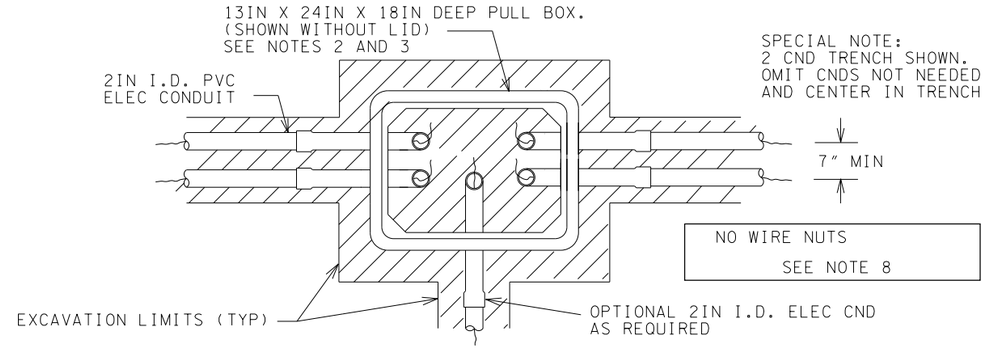
NOTES:

1) CIRCUIT WIRES ARE NOT SHOWN, SEE PLANS.
2) KUB APPROVED PULL BOXES FOR USE IN NON-DELIBERATE TRAFFIC BEARING AREAS ARE STRAIGHT SIDED, HEAVY DUTY, TIER 15 RATED CONCRETE POLYMER TYPE WITH TIER 15 SKID RESISTANT LID WITH (2) STAINLESS STEEL AND (2) PULL SLOTS, PENTA HEAD CORNER BOLTS, REPLACABLE EZ-NUTS; "ELECTRIC" LOGO.
3) AASHTO H-20 RATED PREFABRICATED OR POURED IN PLACE CONCRETE PULL BOXES SHALL BE USED IN ALL VEHICULAR TRAFFIC AREAS. PRIOR KUB DESIGN REVIEW AND APPROVAL REQUIRED.
4) CONDUIT BENDS FEEDING RADIAL TAPS WITHIN 15 FT OF POLES MAY BE 12" MIN BEND RADIUS.
5) FOR USE WITH UP TO (3) 2" CONDUITS MAXIMUM.
6) CONCRETE APRON REQUIRED IN AREAS SUBJECT TO BEARING NON-DELIBERATE TRAFFIC INCLUDING LAWN TRACTORS AND LARGE MOWING MACHINES. SEE KUB DRAWING A-15509 FOR ADDITIONAL REQUIREMENTS.
7) CIRCUIT WIRES ARE NOT SHOWN, SEE PLANS.
8) ALL WIRE CONNECTIONS ARE TO BE MADE WITH SPLIT-BOLT CONNECTORS & WRAPPED WITH SELF-VULCANIZING RUBBER TAPE APPLIED IN HALF-LAP LAYERS TO GIVE A SMOOTH COVERING OF NOT LESS THAN 2 TIMES THE ORIGINAL INSULATION THICKNESS. APPLY A FINAL COVERING WITH AT LEAST TWO LAYERS OF HALF-LAPED 7-MIL UNTRAVIOLET, ABRASION, MOISTURE, AKLALID, ACID AND CORROSION RESISTANT VINLY PLASTIC TAPE UNLESS NOTED OTHERWISE.
9) CABLE TAGGING AND COLOR CODE PER KUB STANDARD A-15688.
10) ALL NEW WIRING TO BE STRANDED,INSULATED COPPER WITH XHHW INSULATION UNLESS NOTED.

DETAIL 'I'
12" X 12" X 12" DEEP PULL BOX
INSTALLATION DETAILS

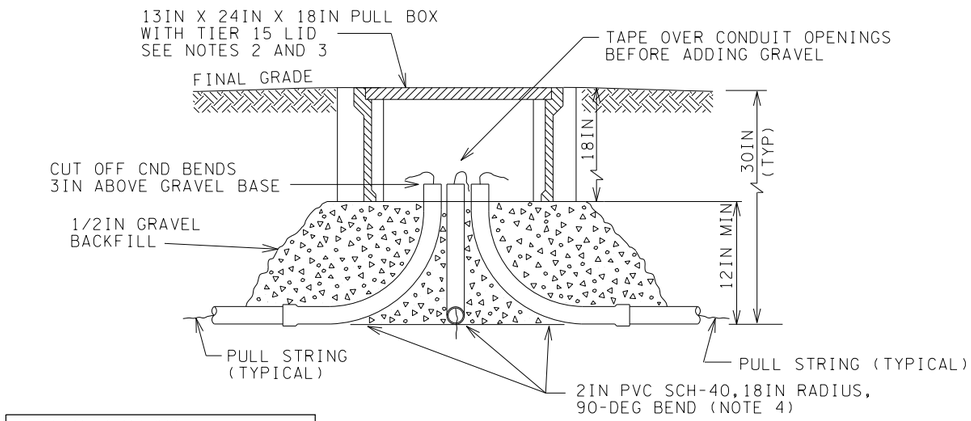
NOTE

1. BASED ON KUB DRAWING NUMBER A15608.



TOP VIEW

NTS



INSPECTION STOP POINT:
CONTACT KUB ELECTRICAL INSPECTOR
AT 558-2786 (24) HOURS IN ADVANCE
BEFORE BACKFILLING TRENCH.

FRONT SECTION VIEW

NTS

NOTES:

1) CIRCUIT WIRES ARE NOT SHOWN, SEE PLANS.
2) KUB APPROVED PULL BOXES FOR USE IN NON-DELIBERATE TRAFFIC BEARING AREAS ARE STRAIGHT SIDED, HEAVY DUTY, TIER 15 RATED CONCRETE POLYMER TYPE WITH TIER 15 SKID RESISTANT LID WITH (2) STAINLESS STEEL AND (2) PULL SLOTS, PENTA HEAD CORNER BOLTS, REPLACABLE EZ-NUTS; "ELECTRIC"
3) LOGO.
AASHTO H-20 RATED PREFABRICATED OR POURED IN PLACE CONCRETE PULL BOXES SHALL BE USED IN ALL
4) VEHICULAR TRAFFIC AREAS. PRIOR KUB DESIGN AND PRODUCT REVIEW AND APPROVAL REQUIRED.
CONDUIT BENDS FEEDING RADIAL TAPS WITHIN 15 FT OF POLES MAY BE 12IN MIN BEND RADIUS. ALL
5) OTHER BEND RADI IS 18IN MINIMUM.
PULL BOX SHOWN FOR USE WITH UP TO (6) CONDUITS MAXIMUM. CONTACT KUB INSPECTOR IF ADDITIONAL
6) CONDUITS ARE REQUIRED.
CONCRETE APRON REQUIRED IN AREAS SUBJECT TO BEARING NON-DELIBERATE TRAFFIC INCLUDING LAWN TRACTORS AND LARGE MOWING MACHINES. SEE KUB DRAWING A-15509 FOR ADDITIONAL REQUIREMENTS.
7) CIRCUIT WIRES ARE NOT SHOWN, SEE PLANS.
8) ALL WIRE CONNECTIONS ARE TO BE MADE WITH SPLIT-BOLT CONNECTORS & WRAPPED WITH SELF-VULCANIZING RUBBER TAPE APPLIED IN HALF-LAP LAYERS TO GIVE A SMOOTH COVERING OF NOT LESS THAN 2 TIMES THE ORIGINAL INSULATION THICKNESS. APPLY A FINAL COVERING WITH AT LEAST TWO LAYERS OF HALF-LAPED 7-MIL UNTRAVIOLET, ABRASION, MOISTURE, AKLALID, ACID AND CORROSION RESISTANT VINLY PLASTIC TAPE UNLESS NOTED OTHERWISE. SIZE PER PLANS.
9) CABLE TAGGING AND COLOR CODE PER KUB STANDARDS.
10) ALL NEW WIRING TO BE STRANDED,INSULATED COPPER WITH XHHW INSULATION UNLESS NOTED. SIZE PER PLANS.

DETAIL 'J'
13" X 24" X 18" DEEP PULL BOX
INSTALLATION DETAILS

NOTE

1.BASED ON KUB DRAWING NUMBER A15609.

SEALED BY
CONSTRUCTABILITY
FIELD
REVIEW

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LIGHTING
DETAILS

(KUB STANDARDS)

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	44R

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

GENERAL NOTES SHEET

A. SITE PREPARATION

1. THE PROPOSED RIGHT-OF-WAY SHOULD BE CLEARED OF TREES, STUMPS, BRUSH, AND OTHER UNDESIRABLE MATERIALS. TREES, STUMPS, AND ROOTS SHOULD BE COMPLETELY GRUBBED, EXCEPT SOUND UNDISTURBED STUMPS WHICH WILL BE AT LEAST 5 FEET BELOW SUBGRADE. CLEARING AND GRUBBING SHOULD EXTEND TO THE LIMITS OF THE PROPOSED RIGHT-OF-WAY OR 10 FEET OUTSIDE THE CONSTRUCTION LIMITS, WHICHEVER IS LESS.

2. TOPSOIL SHOULD BE STRIPPED FROM THE CONSTRUCTION AREA, EXCEPT IN DEEP (I.E., GREATER THAN 5 FEET) FILL AREAS WHERE IT MAY BE LEFT IN-PLACE. TOPSOIL MAY BE STOCKPILED TO DRESS SLOPE AREAS.

3. NO MATERIALS SHOULD BE STOCKPILED WITHIN 10 FEET OF THE TOP OF CUT SLOPES OR EMBANKMENT SLOPES.

4. THE EXPOSED SUBGRADE IN BOTH ROADWAY AND EMBANKMENT AREAS SHOULD BE PROOFROLLED TO DELINEATE UNSTABLE AREAS. THE PROOFROLLING SHOULD BE DONE AFTER A SUITABLE PERIOD OF DRY WEATHER TO AVOID DEGRADING THE SUBGRADE. THE PROOFROLLING EQUIPMENT SHOULD MAKE SEVERAL PASSES OVER EACH SECTION OF THE SUBGRADE.

5. SOFT, ORGANIC, AND UNSTABLE SOILS WITHIN 10 FEET OF PLANNED GRADE (I.E., AT CUT SUBGRADES, OR IN EMBANKMENT AREAS WHERE FILLS OF 10 FEET OR LESS WILL BE CONSTRUCTED) SHOULD BE UNDERCUT AS RECOMMENDED. SOME UNDERCUTTING OR REMEDIATION IS EXPECTED, PARTICULARLY IN LOW LYING AREAS NEAR EXISTING DRAINAGE FEATURES OR DRAINAGE DITCHES.

   WHILE THE LOCATION REQUIRING REPAIR WILL BE DEPENDENT ON CONDITIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION, WE RECOMMEND USING AN ESTIMATED QUANTITY OF 1,000 CUBIC YARDS OF UNDERCUT FOR BUDGETING PURPOSES. THIS QUANTITY ASSUMES AN AVERAGE UNDERCUT OF 2 FEET. ADDITIONAL QUANTITIES WILL BE REQUIRED FOR BACKFILL OF ANY REQUIRED UNDERCUTS, WHICH SHOULD ALSO BE INCLUDED IN THE PROJECT BUDGET. UNDERCUT AREAS SHOULD BE BACKFILLED WITH COMPACTED FILL. STATIONS IDENTIFIED AS POSSIBLE REMEDIATION ARE LISTED BELOW:

   KEITH AVENUE (WEST): STATION 310+00 TO 312+00, BOTH RIGHT AND LEFT

   OTHER REMEDIAL METHODS MAY BE CONSIDERED BESIDES UNDERCUT AND REPLACEMENT AND SHOULD BE PROPOSED AS AN ALTERNATE IN THE BIDDING PROCESS. ALTERNATES MUST BE APPROVED BY THE GEOTECHNICAL ENGINEER OR ENGINEERING GEOLOGIST AT THE TIME OF CONSTRUCTION BASED ON ACTUAL CONDITIONS.

6. WHEN EXTENDING EXISTING FILL EMBANKMENTS THAT ARE STEEPER THAN 4:1, THE NEW FILL SHOULD BE SUITABLY BENCHED INTO THE EXISTING FILL EMBANKMENT TO REMOVE WEAK SURFICIAL MATERIALS AND FACILITATE COMPACTION. BENCHING CAN BE ACCOMPLISHED BY CUTTING INTO THE EXISTING EMBANKMENT AT LEAST ONE BLADE WIDTH OF A BULLDOZER.

7. THE TOP 6 INCHES OF ROADWAY SUBGRADE IN CUT AREAS SHOULD BE SCARIFIED AND RECOMPACTED ACCORDING TO THE CRITERIA IN SECTION 207.04 OF THE TDOT STANDARD SPECIFICATIONS. THESE AREAS SHOULD BE REWORKED AFTER THE AREA IS EXCAVATED TO GRADE AND PROOFROLLED.

B. COMPACTED FILL

1. EXCAVATIONS WILL LIKELY GENERATE SOIL (SILTY CLAYS), MIXTURE OF SOIL AND ROCK, AND ROCK WITH VARYING DURABILITY. THESE MATERIALS SHOULD BE FREE OF ORGANICS AND ROOTS. PROCEDURES FOR PLACEMENT AND COMPACTION OF SOIL AND ROCK MATERIALS IN EMBANKMENT FILLS ARE PROVIDED IN SECTION 205 OF THE TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION). THE TABLE BELOW INCLUDES A SUMMARY OF THE TDOT SOIL AND ROCK GUIDELINES, AS WELL AS ADDITIONAL GUIDELINES FOR PLACEMENT OF MIXED MATERIALS WHICH MAY BE GENERATED ON THIS PROJECT. SORTING OF LARGER ROCK FRAGMENTS MAY BE REQUIRED. THE TDOT STANDARD SPECIFICATIONS SHOULD BE CONSULTED FOR OCCASIONAL PERMISSIBLE EXCEPTIONS TO THE GUIDELINES PRESENTED HEREIN.

2. THE LABORATORY DATA SUGGESTS THE NATURAL MOISTURE CONTENT OF SOME SOILS ALONG THE ALIGNMENT IS UP TO SEVERAL PERCENTAGE POINTS ABOVE AND BELOW THE OPTIMUM MOISTURE CONTENT. DEPENDING UPON THE ACTUAL CONDITIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION, THESE SOILS MAY REQUIRE MOISTURE CONDITIONING (WETTING OR DRYING) PRIOR TO REUSE AS EMBANKMENT FILL. FURTHER, SOME OF THE CLAYS ALONG THE ALIGNMENT WERE CLASSIFIED AS FAT CLAYS (PRIMARILY AASHTO TYPE A-7-6). THESE SOILS HAVE A RELATIVELY WIDE RANGE OF MOISTURE CONTENTS OF WHICH THEY CAN ACHIEVE THE DESIRED COMPACTION BY A RELATIVELY NARROW MOISTURE RANGE OVER WHICH THEY ARE STABLE. CAREFUL CONTROL OF MOISTURE CONTENT WILL BE REQUIRED WHEN USING THESE SOILS.

3. POSITIVE SURFACE DRAINAGE SHOULD BE MAINTAINED DURING GRADING OPERATIONS TO PREVENT WATER FROM PONDING ON THE EXPOSED SUBGRADE. THE SURFACE SHOULD BE ROLLED SMOOTH TO ENHANCE DRAINAGE IF PRECIPITATION IS EXPECTED. THE GEOTECHNICAL ENGINEER SHOULD PROVIDE RECOMMENDATIONS FOR TREATMENT IF THE SOILS BECOME EXCESSIVELY WET OR DRY, OR FROZEN.

ABBREVIATIONS

2:1 -- 2 Horizontal : 1 Vertical (Slope)
3:1 -- 3 Horizontal : 1 Vertical (Slope)

BORING LEGEND

B-34 Boring Location and Identifier

SOIL AND ROCK SYMBOLS

ASPHALT (BITUMINOUS CONCRETE)
GRAVEL, POORLY-GRADED
FAT CLAY
LIMESTONE
LEAN CLAY
TOPSOIL
DENSE GRADED AGGREGATE
FILL

SUMMARY OF SOIL LABORATORY RESULTS

Boring No.	Sample Depth (feet)	Station Location	Description	Proctor Maximum Dry Density (pcf)	Optimum Moisture (%)	Compactiable Moisture Range (%)	LL	PI	AASHTO Classification	USCS Classification	CBR Value*
B-09	1-6	6+90, 2 feet left (Bowling Avenue)	Red Fat Clay with Sand	100.4	21.9	18.9 - 24.9	59	40	A-7-6	CH	
B-14	1-10	139+62, 51 feet left (SR 62)	Brownish-red Fat Clay	96.5	23.8	20.8 - 26.8	58	37	A-7-6	CH	
B-31	1-10	91+70, 25 feet right (Sterchi Street)	Reddish-brown Fat Clay with chert	105	18.5	15.5 - 21.5	52	32	A-7-6	CH	3.7

Note: *Reported CBR value is at 100% compaction at optimum moisture content.

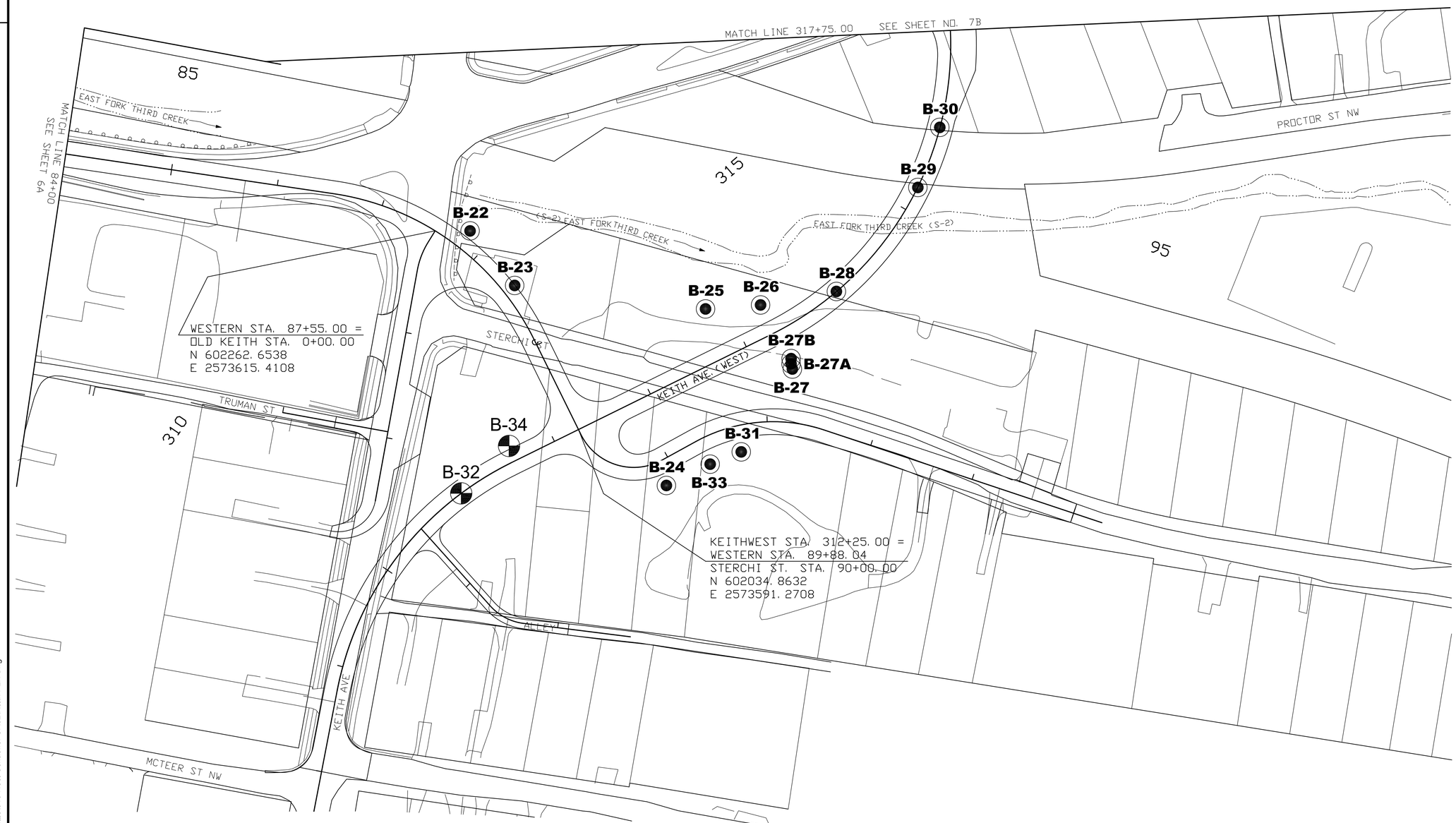
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL NOTES

\\10.1.1.9\Tuscaloosa Projects\2012\100812 Nashville\010 Neel-Schaeffer SR62\SR62 MISC.dwg

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	44S



B-34 Boring Location and Identifier

B-33 Retaining Wall and Bridge Boring Location and Identifier

BORING LOCATIONS			
BORING NO.	STATION	OFFSET	DEPTH*
B-22	87+83	18 LT	12.7 ft.
B-23	88+46	14 LT	13.5 ft.
B-24	90+88	23 RT	14.6 ft.
B-25	313+78	48 LT	14 ft.
B-26	314+30	38 LT	14.3 ft.
B-27B	314+30	38 RT	14.5 ft.
B-28	315+00	CL	23.1 ft.
B-29	316+30	CL	17.9 ft.
B-30	317+00	CL	15.8 ft.
B-31	91+70	25 RT	24.4 ft.
B-32	311+00	CL	10.2 ft.
B-33	91+32	25 RT	34 ft.
B-34	311+60	15 LT	21 ft.

*TERMINATION OR REFUSAL

For additional information, please refer to retaining wall and bridge sheets.

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00006 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE

DEPARTMENT OF TRANSPORTATION

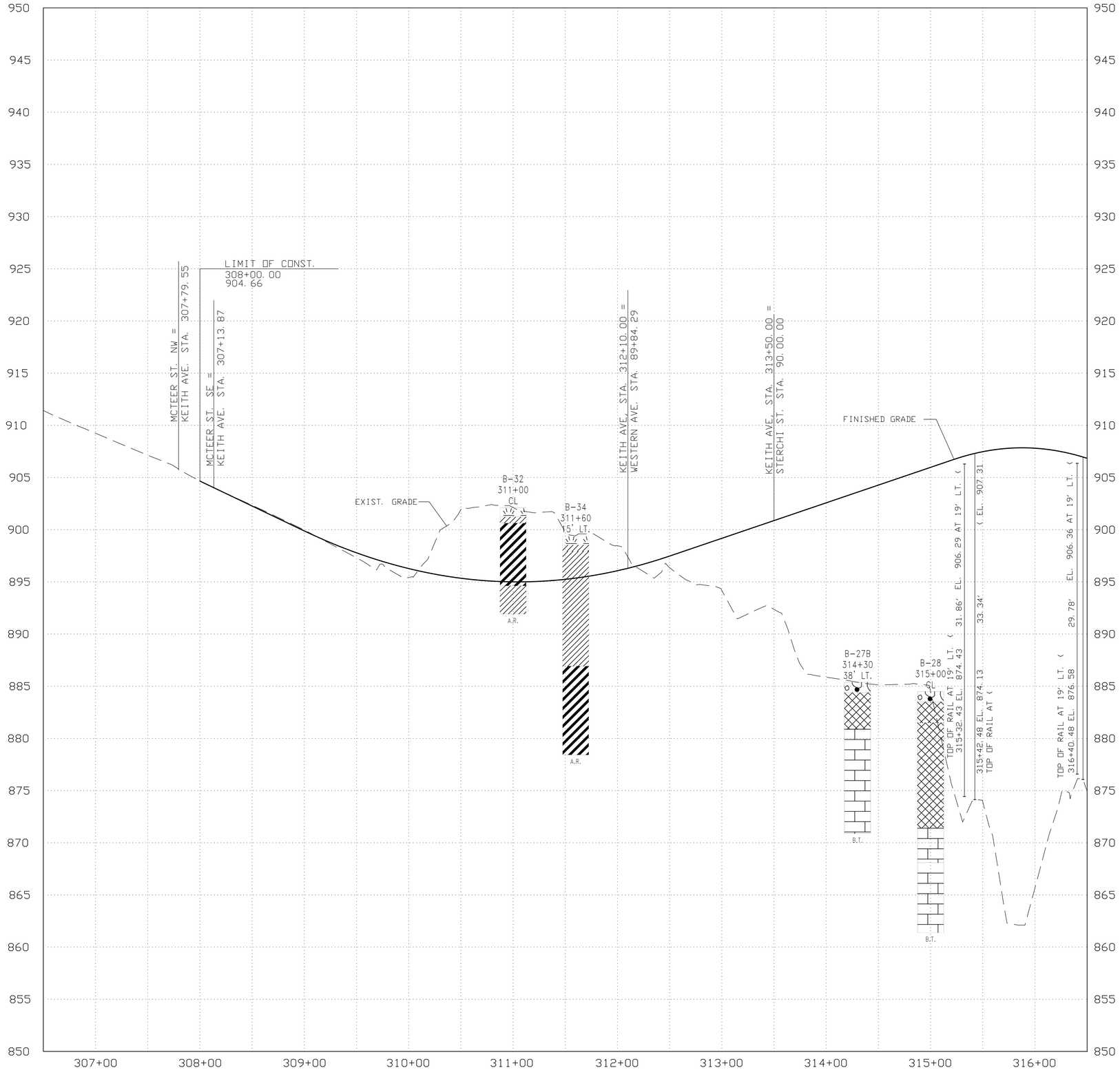
BORING LAYOUT

KEITH AVENUE
STA. 135+00 TO STA. 147+00
SCALE: 1"=50'

\\10.1.1.9\Tuscaloosa Projects\2012\100812 Nashville\010 Neel-Schaeffer SR62\Keith PLN.dwg

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	44T



Existing Ground at Centerline

Proposed Grade at Centerline

LEAN CLAY
TOPSOIL
FAT CLAY
LIMESTONE
DENSE GRADED AGGREGATE
FILL

BORING LOCATIONS			
BORING NO.	STATION	OFFSET	DEPTH*
B-27B	314+30	38 RT	14.5 ft.
B-28	315+00	CL	23.1 ft.
B-32	311+00	CL	10.2 ft.
B-34	311+60	15 LT	21 ft.

*TERMINATION OR REFUSAL

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00006 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE

DEPARTMENT OF TRANSPORTATION

BORING PROFILE

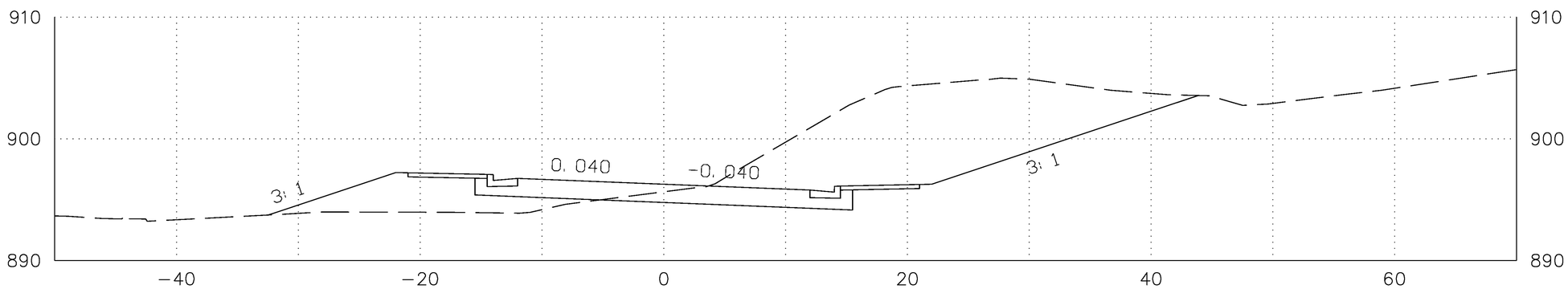
KEITHWEST
STA.307+00 TO STA.316+00
SCALE:
1"=50' HORIZONTAL
1"=5' VERTICAL

\\10.1.1.9\Tuscaloosa Projects\2012\100812 Nashville\010 Neel-Schaeffer SR62\Keith PRF.dwg

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	44C

Existing Ground at Cross Section
Proposed Grade at Cross Section



For cuts and fills between Station 307+79.55 and 318+55.35
Except Station 314+21.29 and 316+62.29 for Bridge No. 2
(Keithwest Station 310+00 - SR 62 Station 142+50.98)

\\10.1.1.9\Tuscaloosa Projects\2012\100812 Nashville\010 Neel-Schaeffer SR62\SR62 Typical.dwg

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

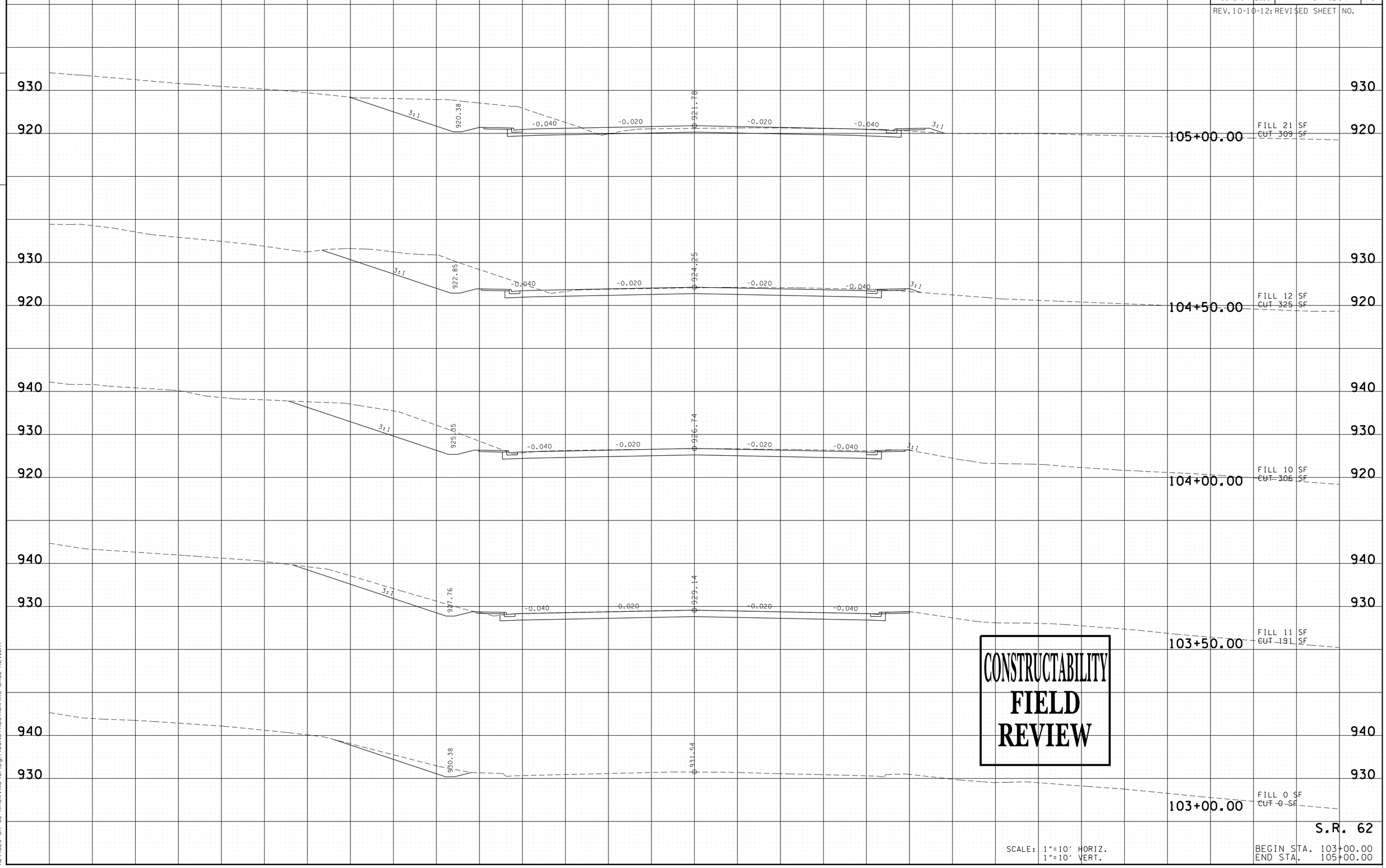
SCALE:
1"=5' HORIZONTAL
1"=5' VERTICAL

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	42
CONST.	2016	HPP/STP-62(34)	45

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 103+00.00
END STA. 105+00.00

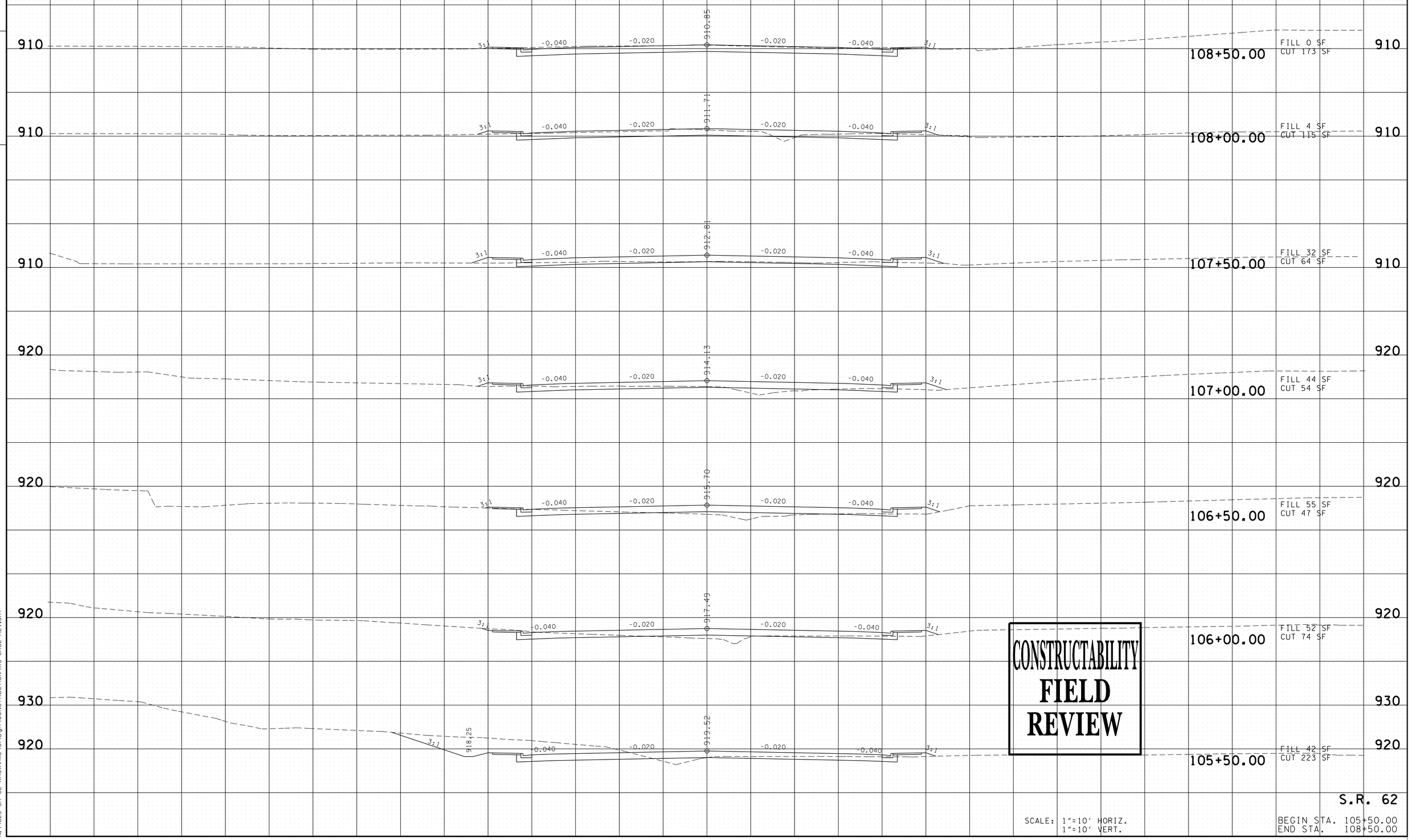
5/4/2016 12:11:54 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-SR62-REV.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	43
CONST.	2016	HPP/STP-62(34)	46

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 105+50.00
END STA. 108+50.00

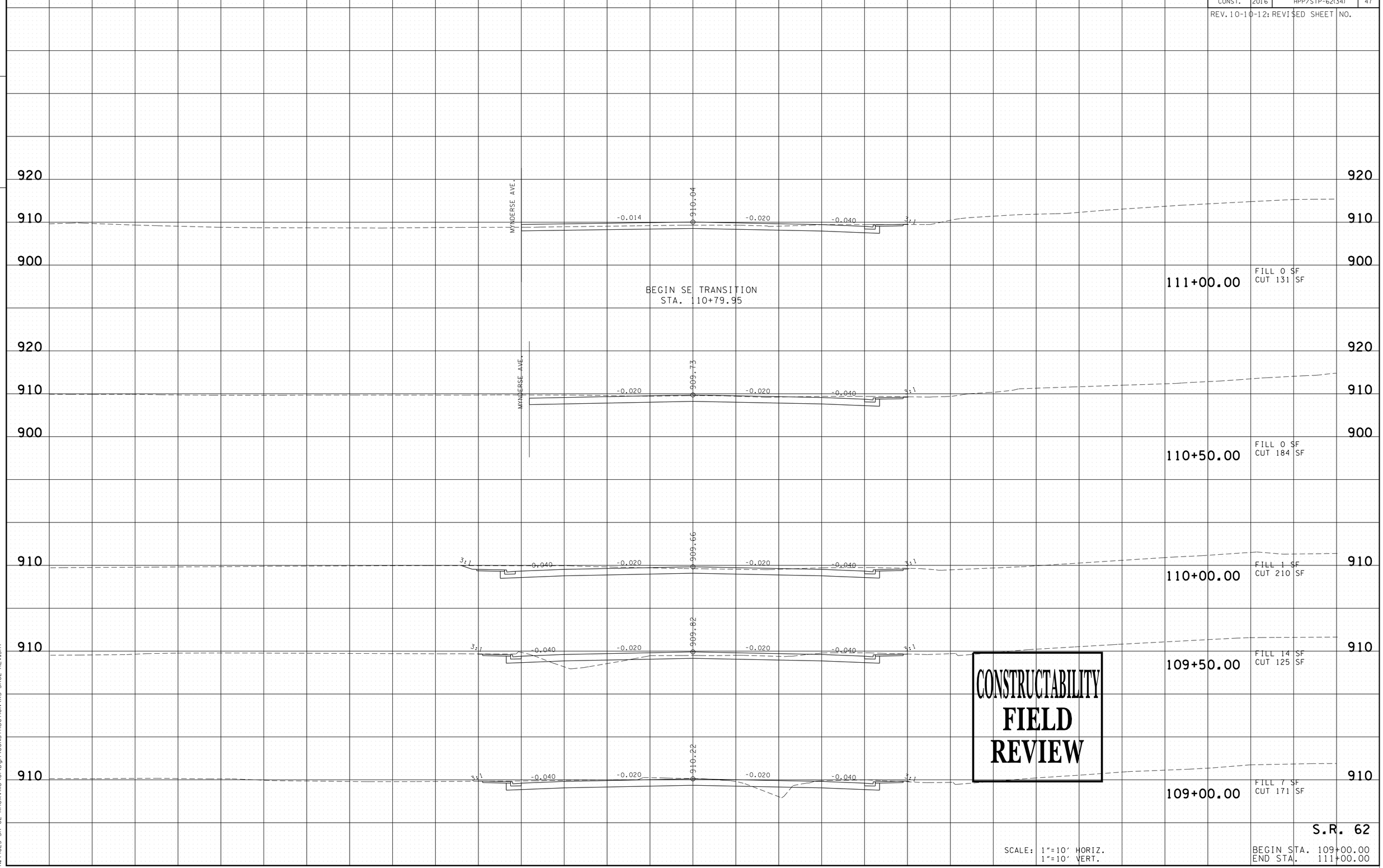
5/4/2016 12:11:55 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-SR62-REV.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	44
CONST.	2016	HPP/STP-62(34)	47

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



S.R. 62

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

BEGIN STA. 109+00.00
END STA. 111+00.00

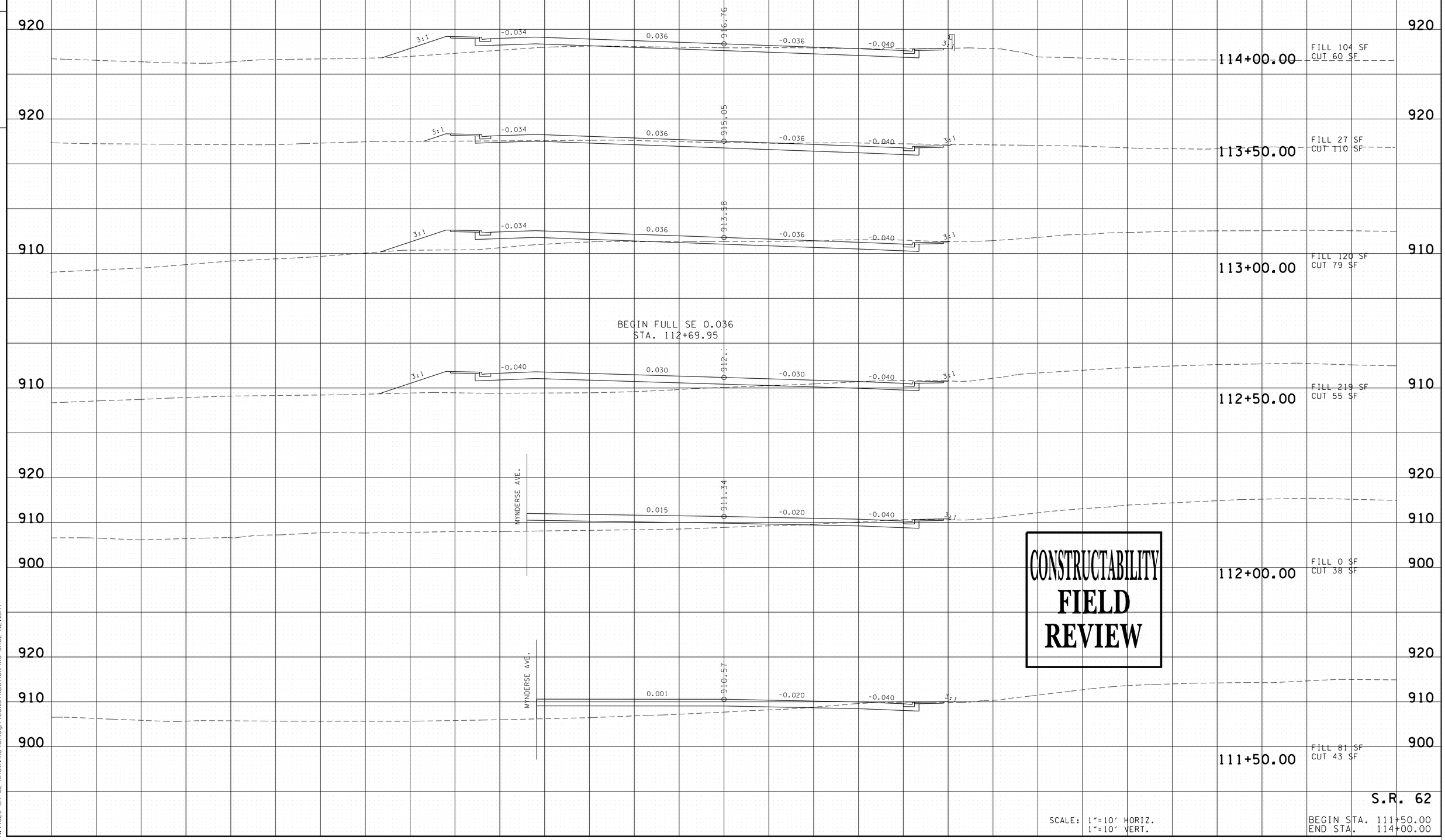
5/4/2016 12:11:55 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-SR62-REV.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	45
CONST.	2016	HPP/STP-62(34)	48

REV. 10-10-12: REVISED SHEET NO.
REV. SECTION 114+00.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 111+50.00
END STA. 114+00.00

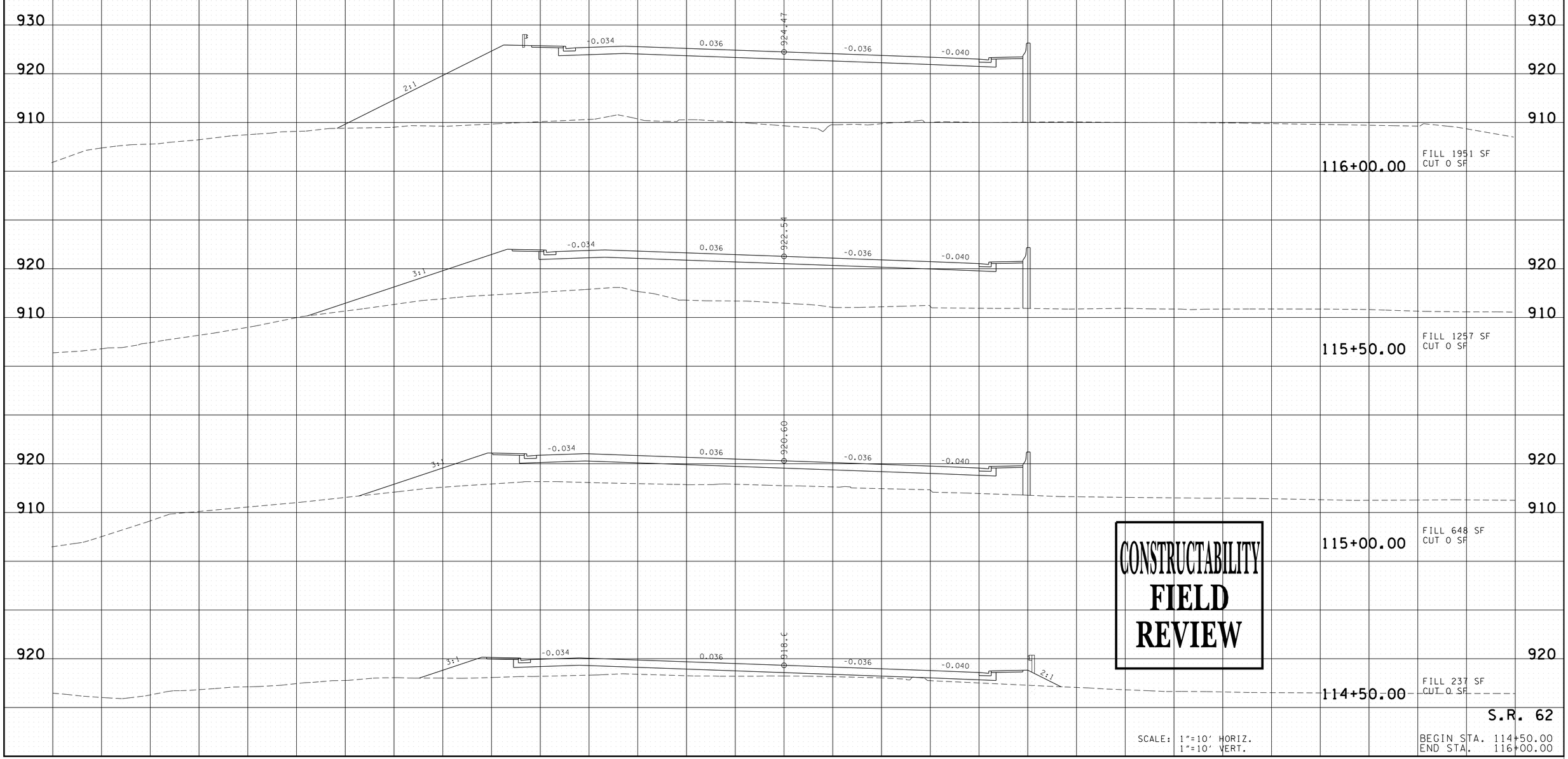
5/4/2016 12:11:56 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-SR62-REV.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	46
CONST.	2016	HPP/STP-62(34)	49

REV. 10-10-12: REVISED SHEET NO.
REV. ALL SECTIONS THIS SHEET.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 114+50.00
END STA. 116+00.00

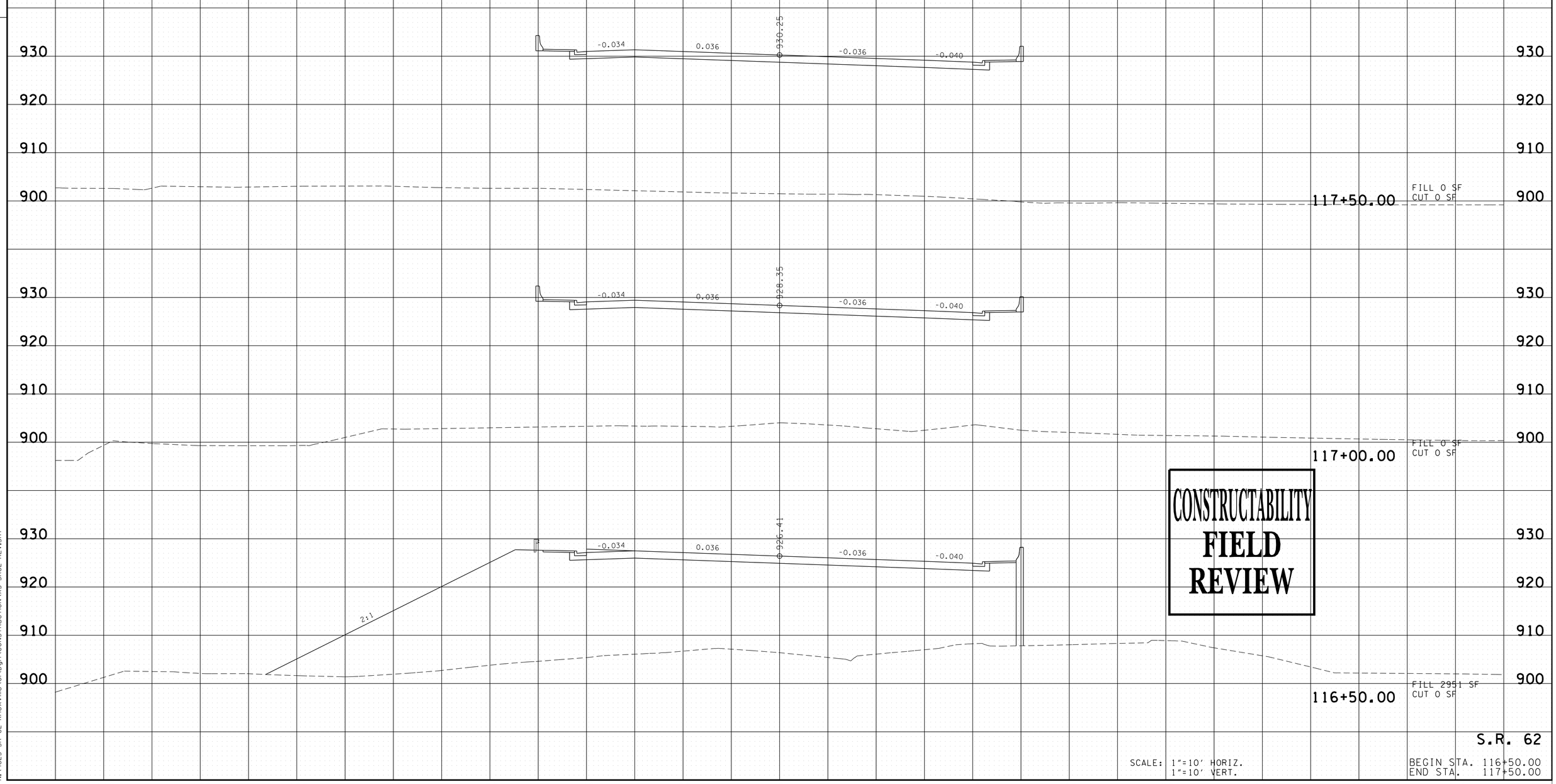
5/4/2016 12:11:57 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-SR62-REV.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	47
CONST.	2016	HPP/STP-62(34)	50

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 116+50.00
END STA. 117+50.00

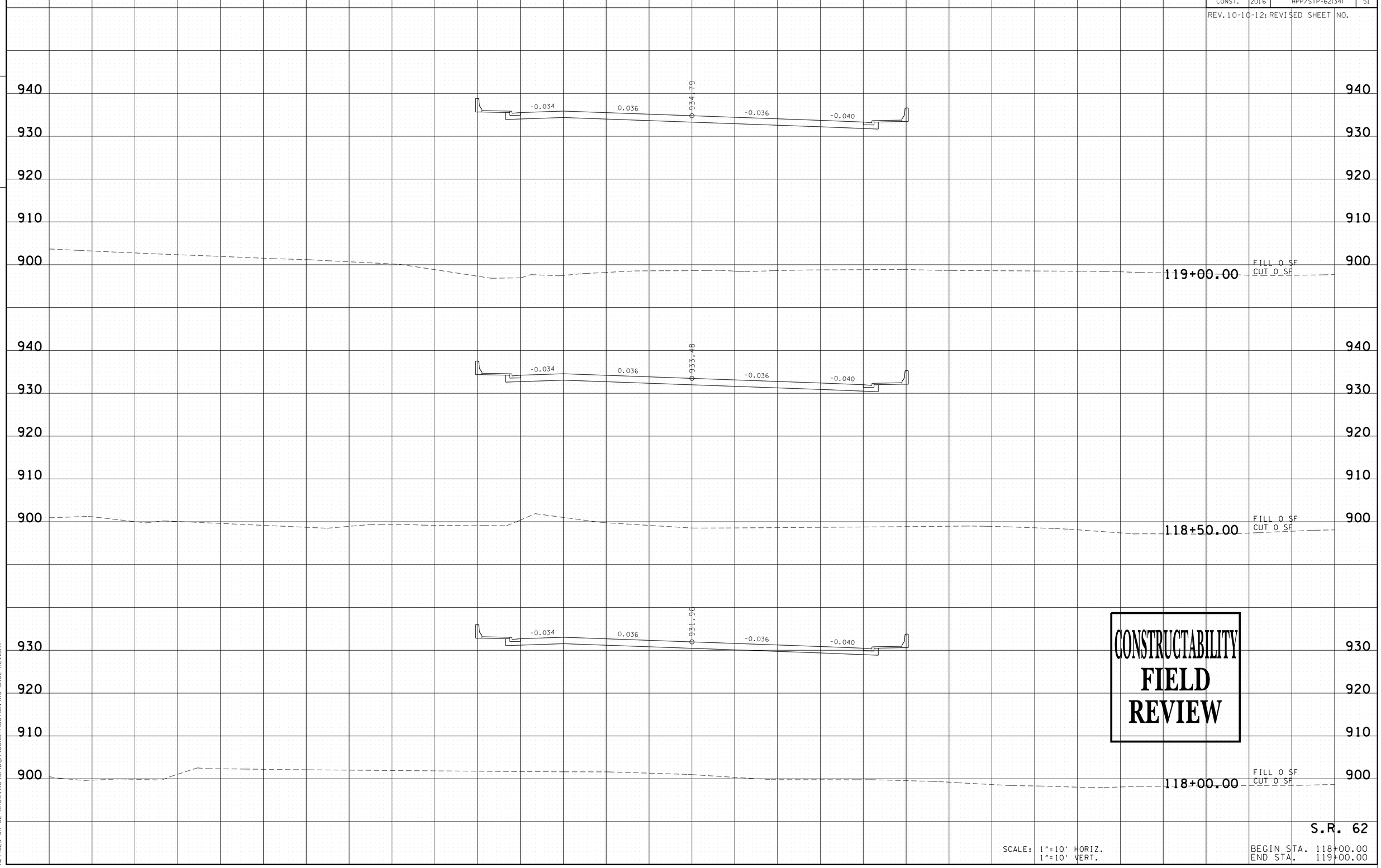
5/4/2016 12:11:57 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-SR62-REV.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	48
CONST.	2016	HPP/STP-62(34)	51

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 118+00.00
END STA. 119+00.00

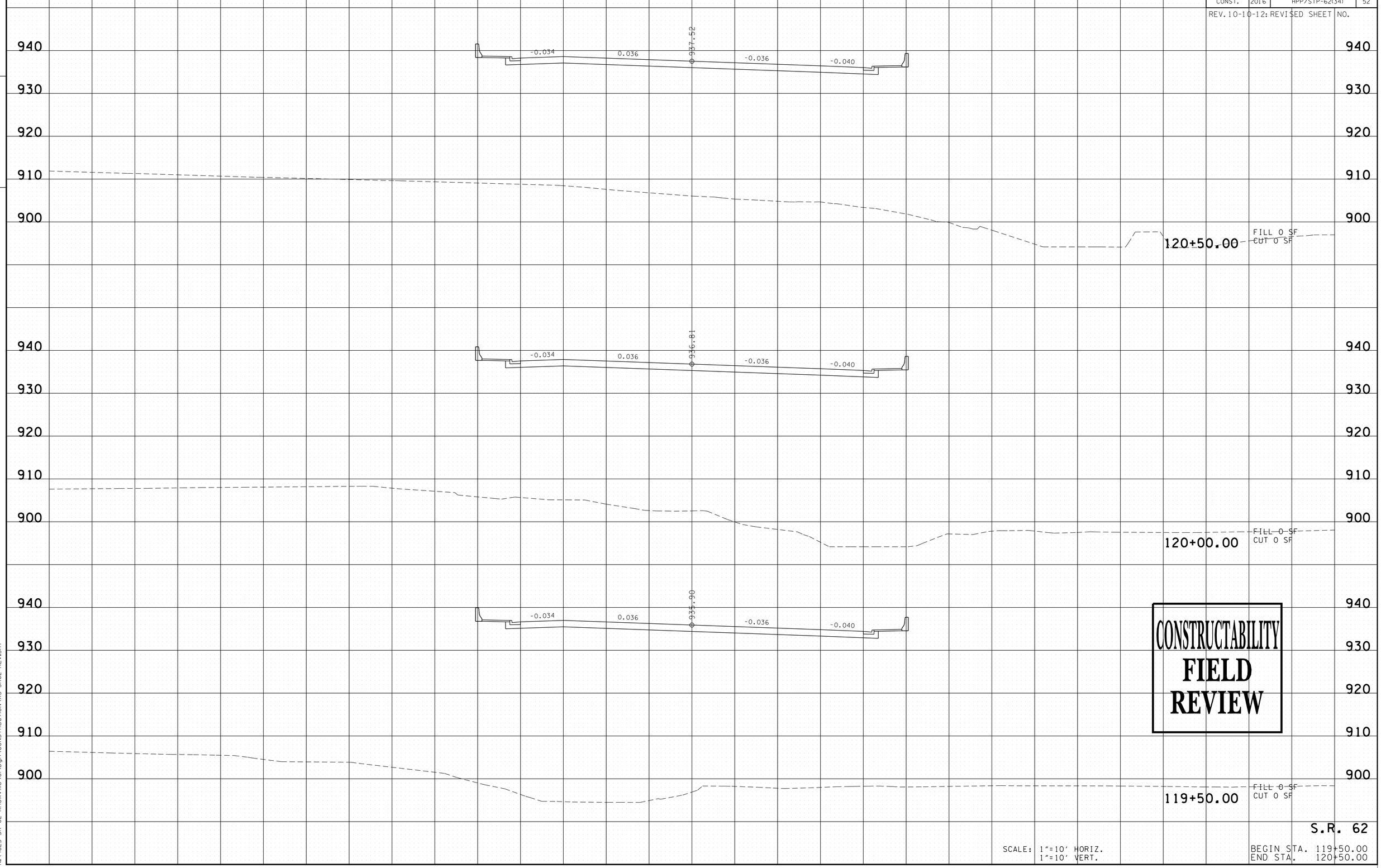
5/4/2016 12:11:58 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-SR62-REV.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	49
CONST.	2016	HPP/STP-62(34)	52

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 119+50.00
END STA. 120+50.00

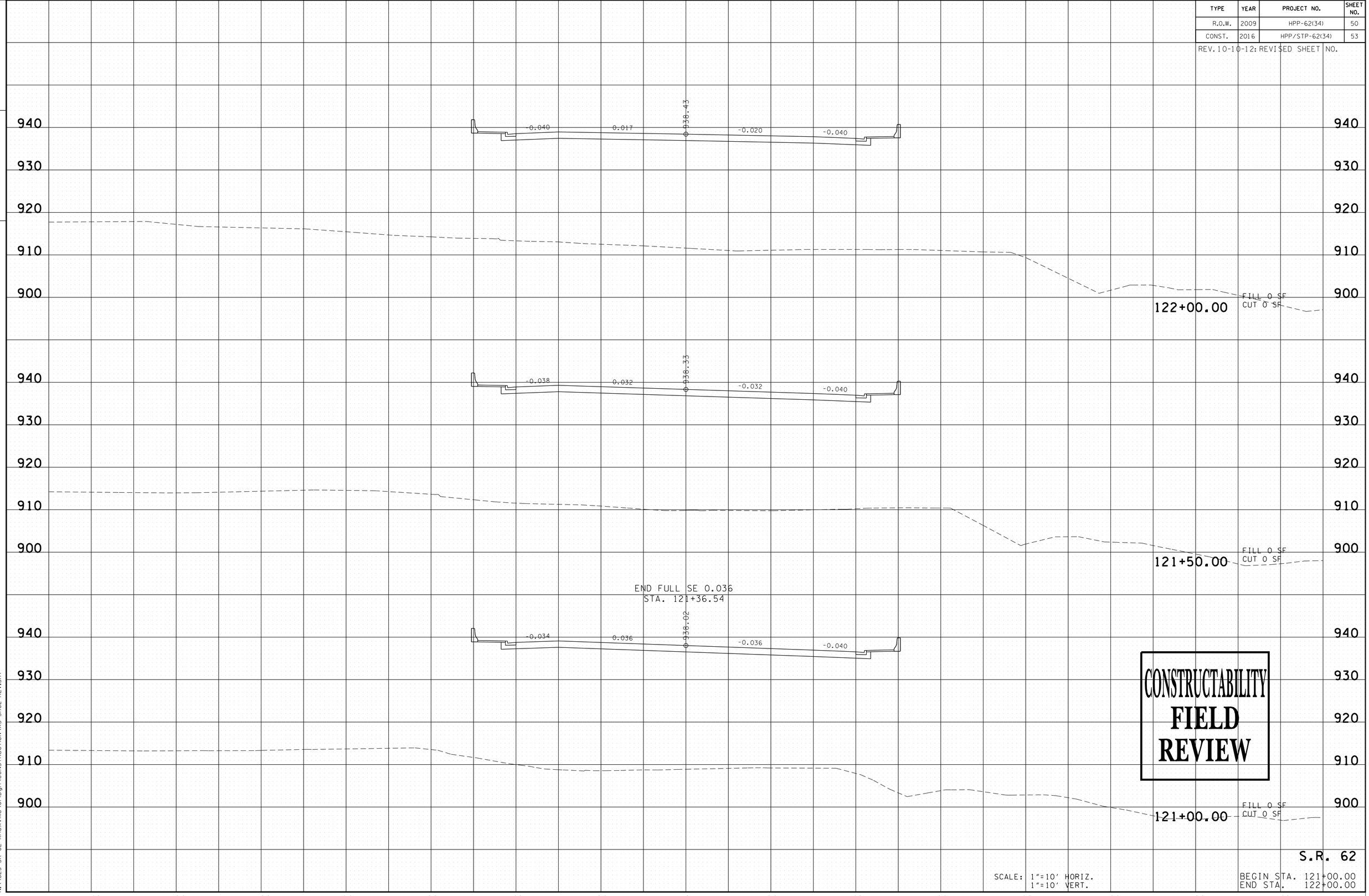
5/4/2016 12:11:59 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-SR62-REV.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	50
CONST.	2016	HPP/STP-62(34)	53

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 121+00.00
END STA. 122+00.00

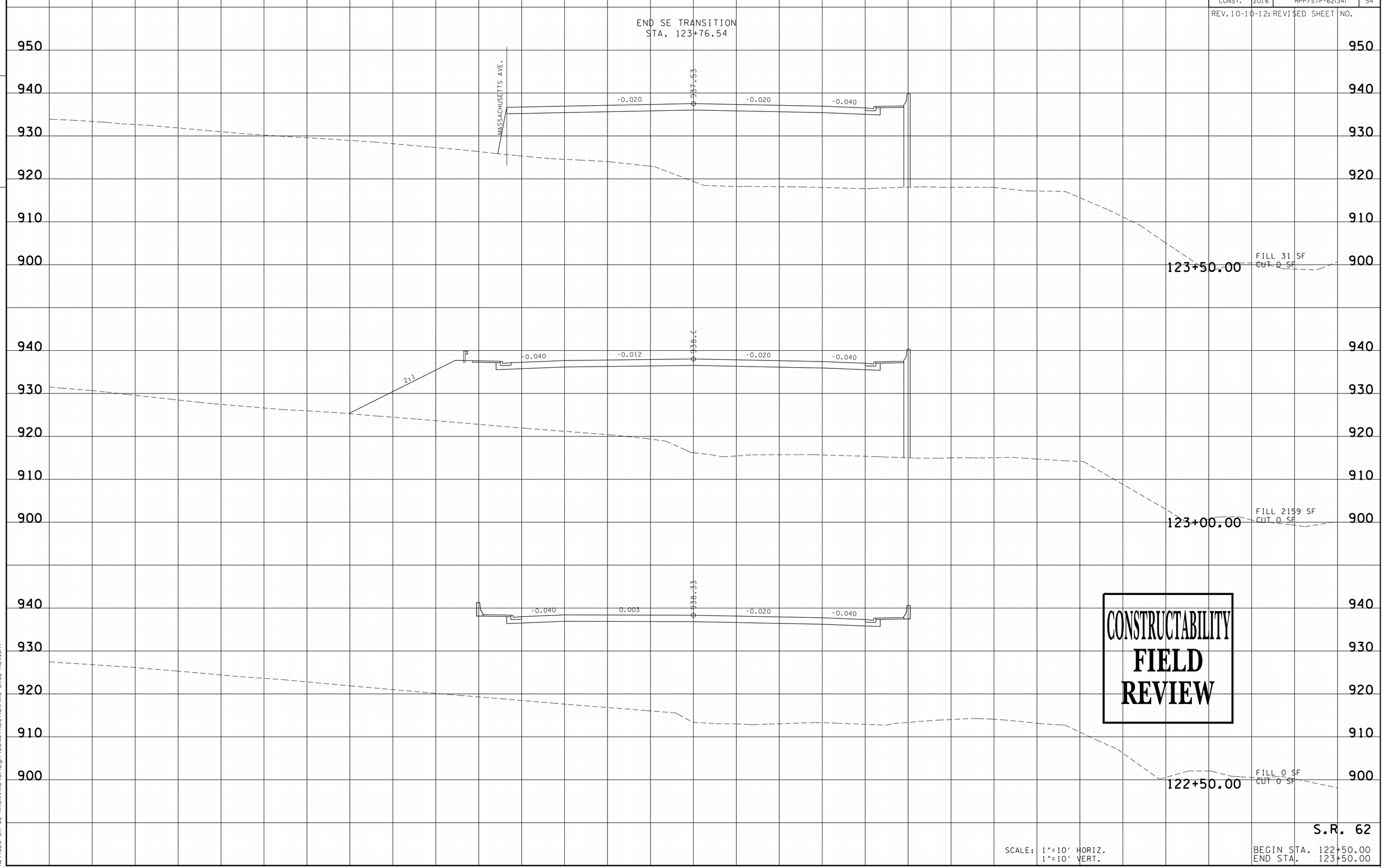
5/4/2016 12:11:59 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-SR62-REV.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	51
CONST.	2016	HPP/STP-62(34)	54

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 122+50.00
END STA. 123+50.00

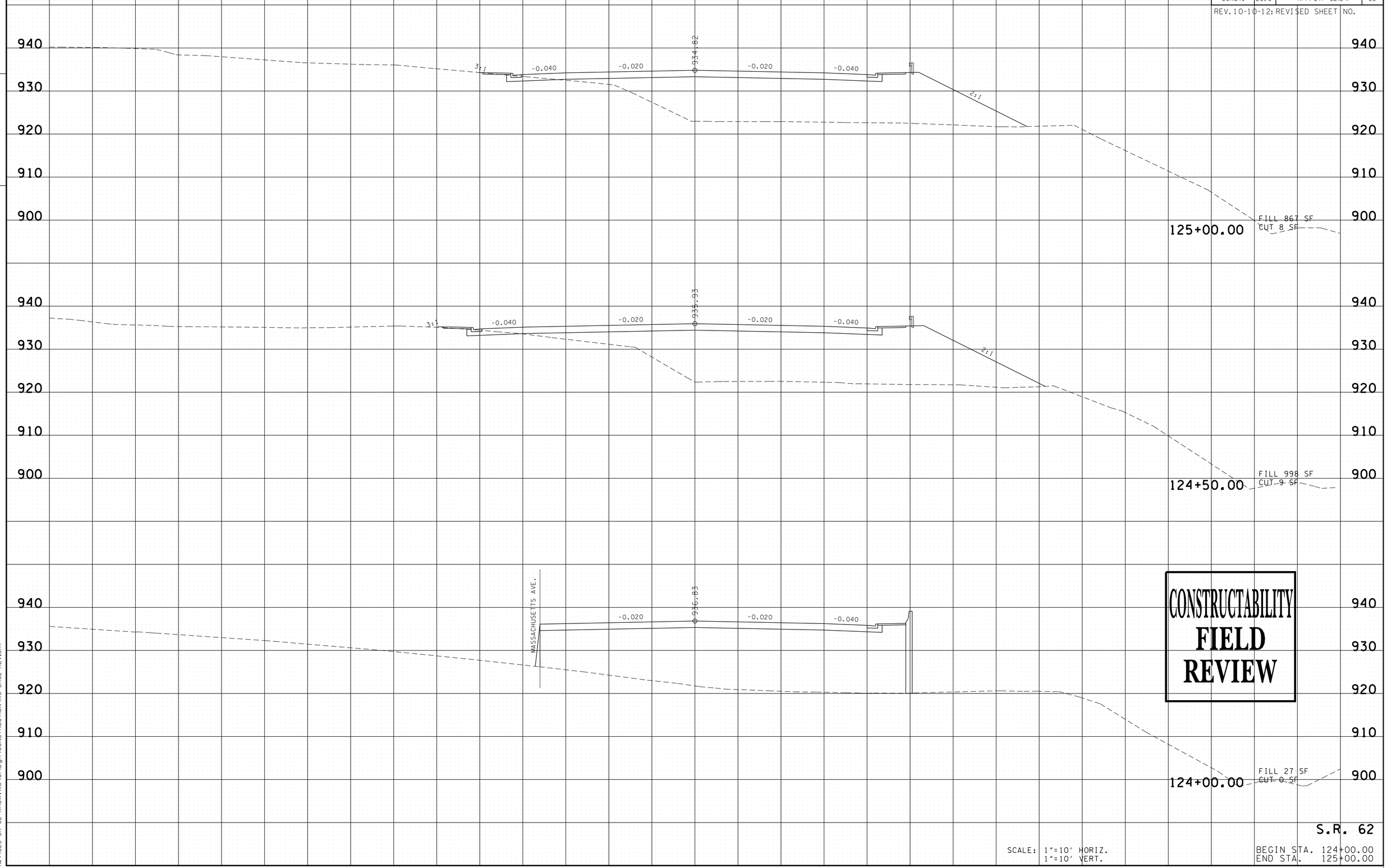
5/4/2016 12:12:00 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-SR62-REV.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	52
CONST.	2016	HPP/STP-62(34)	55

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 124+00.00
END STA. 125+00.00

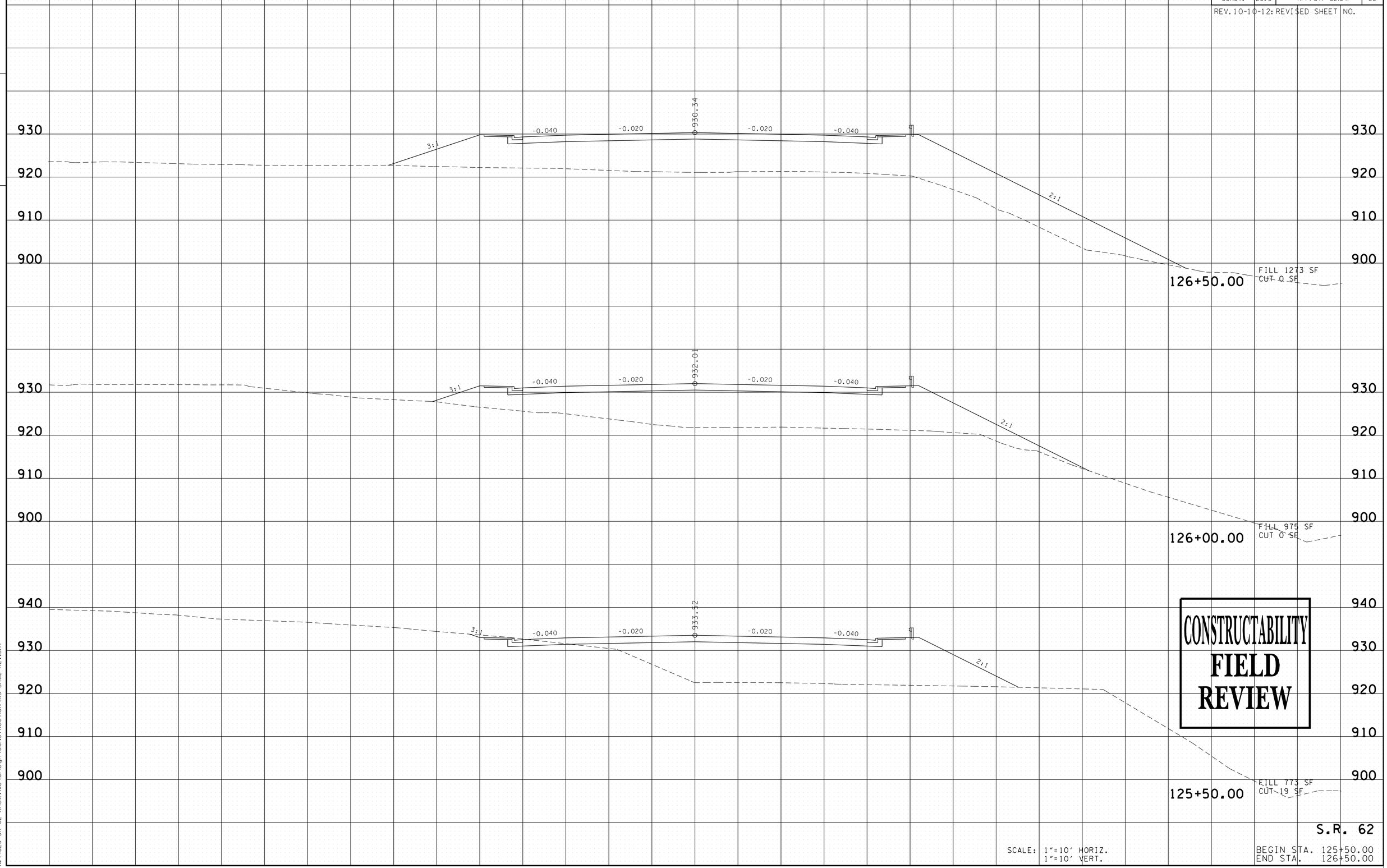
5/4/2016 12:12:01 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-SR62-REV.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	53
CONST.	2016	HPP/STP-62(34)	56

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 125+50.00
END STA. 126+50.00

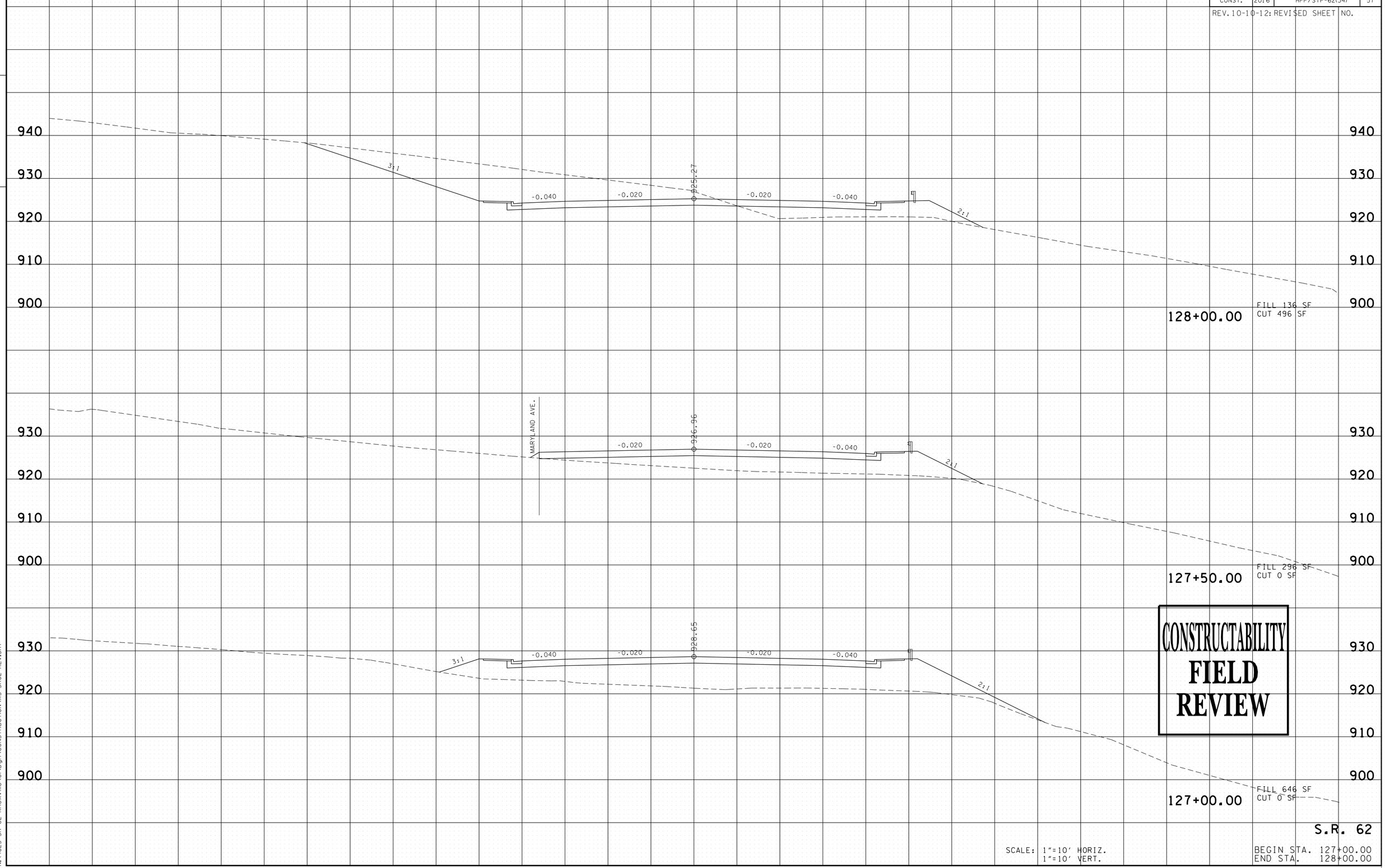
5/4/2016 12:12:01 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-SR62-REV.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	54
CONST.	2016	HPP/STP-62(34)	57

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 127+00.00
END STA. 128+00.00

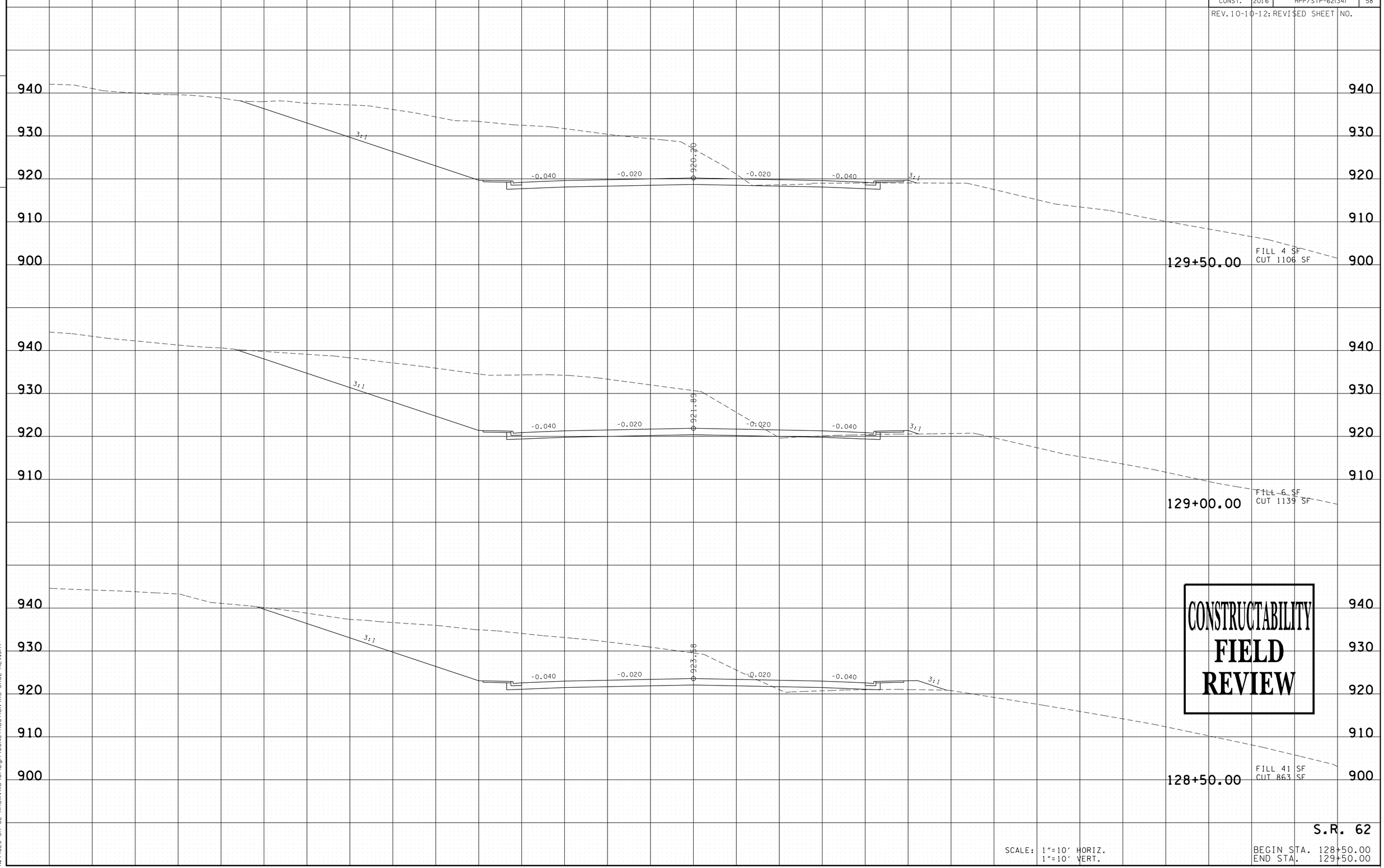
5/4/2016 12:12:02 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-SR62-REV.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	55
CONST.	2016	HPP/STP-62(34)	58

REV.10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 128+50.00
END STA. 129+50.00

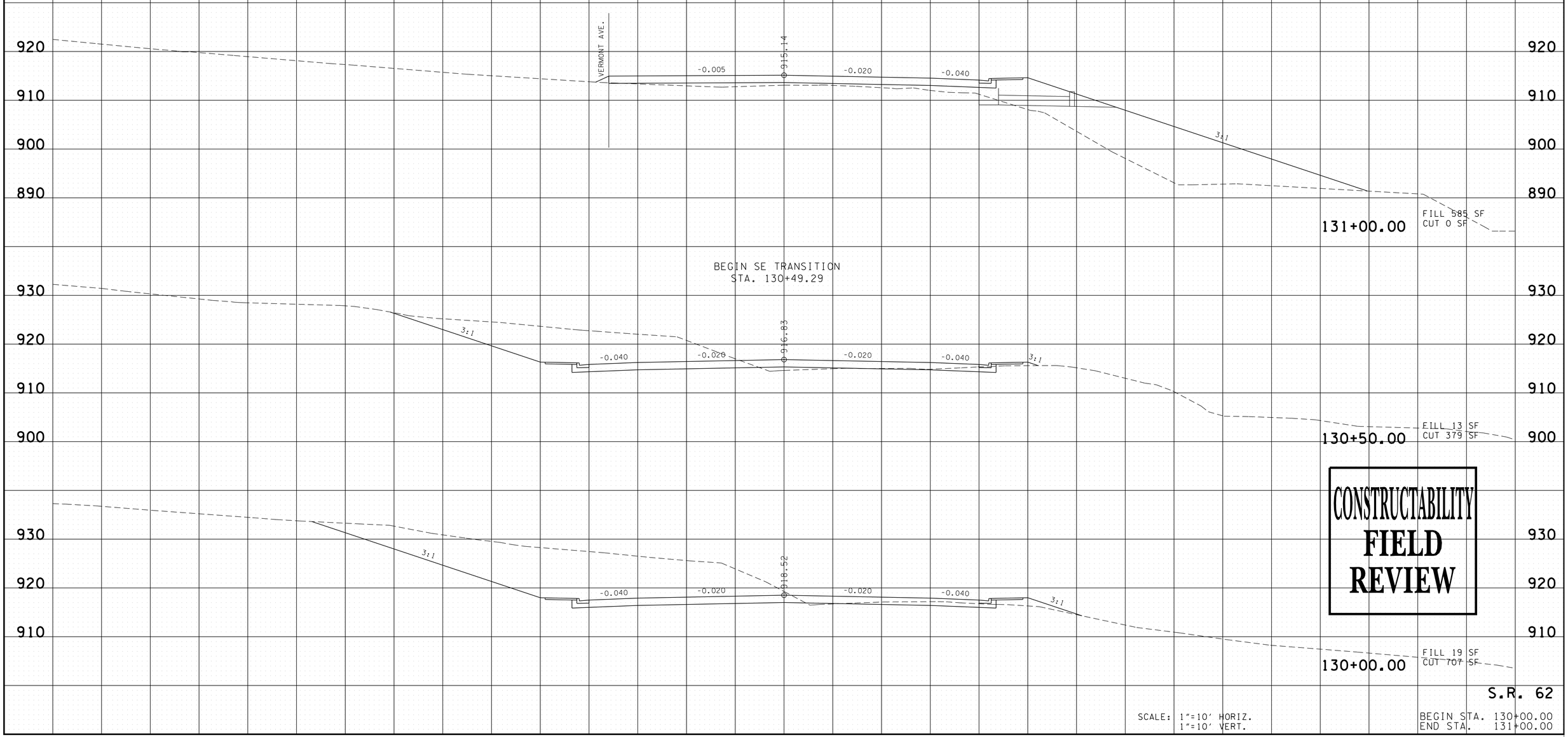
5/4/2016 12:21:03 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-SR62-REV.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	56
CONST.	2016	HPP/STP-62(34)	59

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 130+00.00
END STA. 131+00.00

5/4/2016 12:12:08 PM
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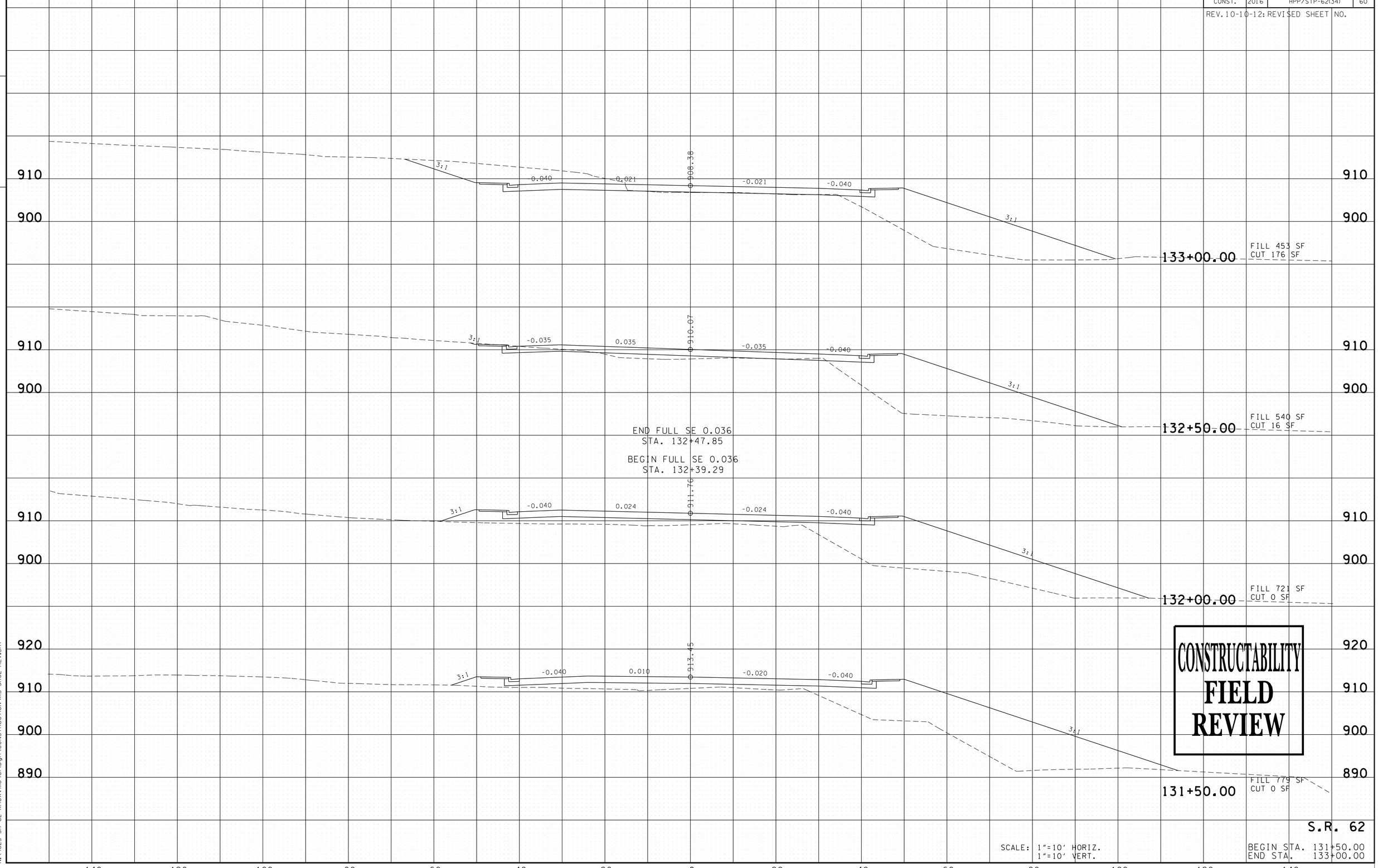
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	57
CONST.	2016	HPP/STP-62(34)	60

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 131+50.00
END STA. 133+00.00

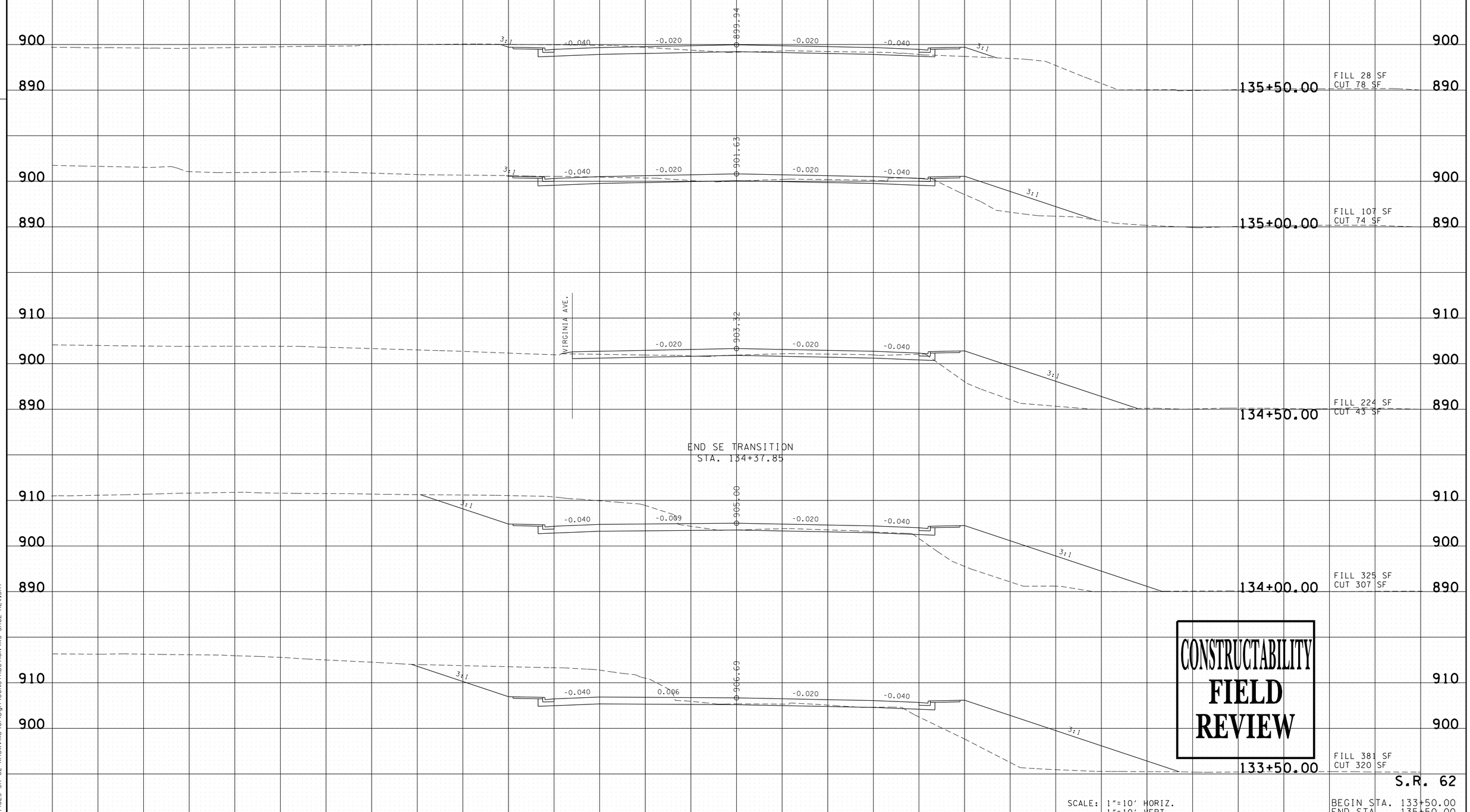
5/4/2016 12:12:09 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-SR62-REV.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	58
CONST.	2016	HPP/STP-62(34)	61

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 133+50.00
END STA. 135+50.00

5/4/2016 12:12:10 PM
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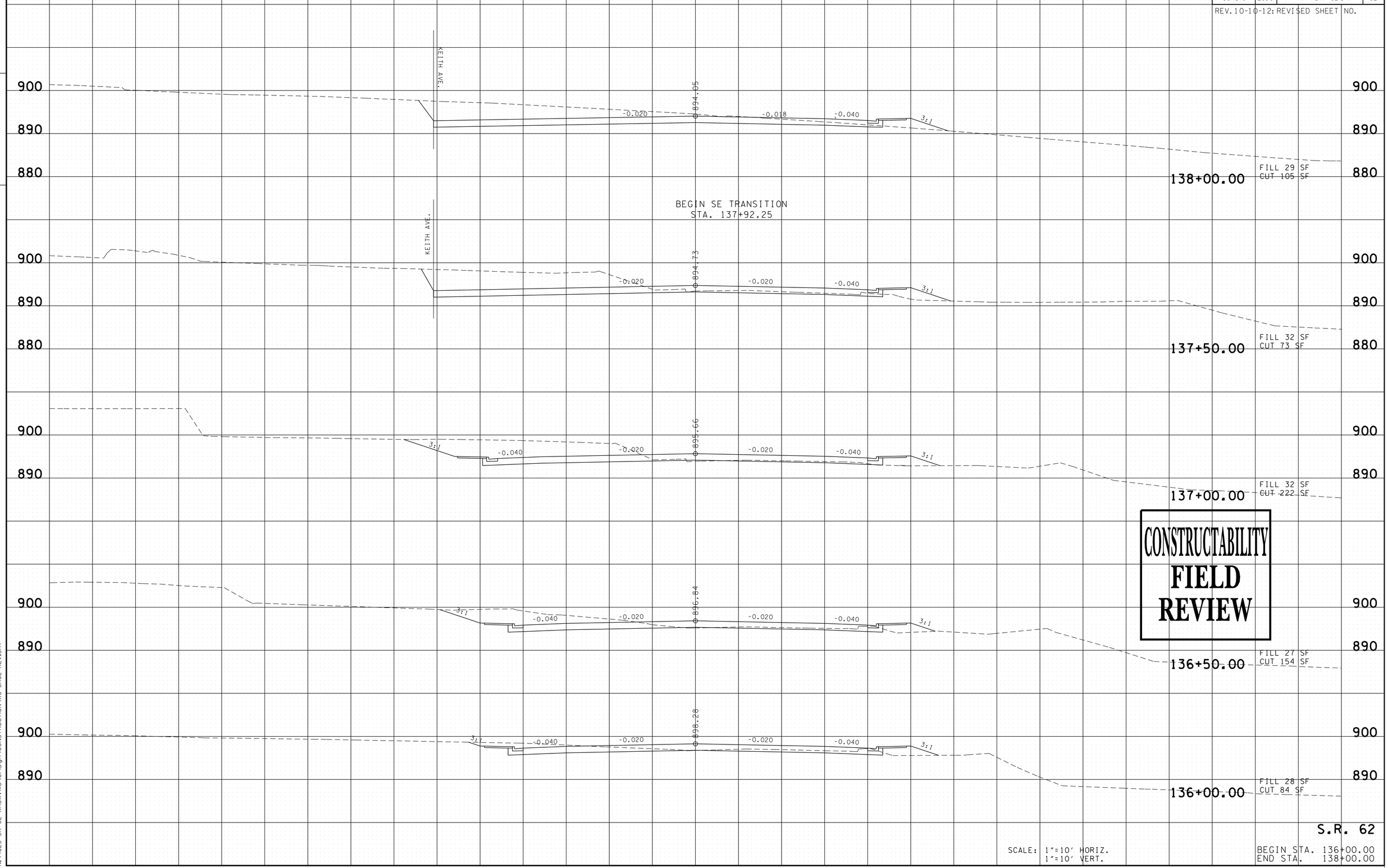
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	59
CONST.	2016	HPP/STP-62(34)	62

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 136+00.00
END STA. 138+00.00

5/4/2016 12:21:10 PM
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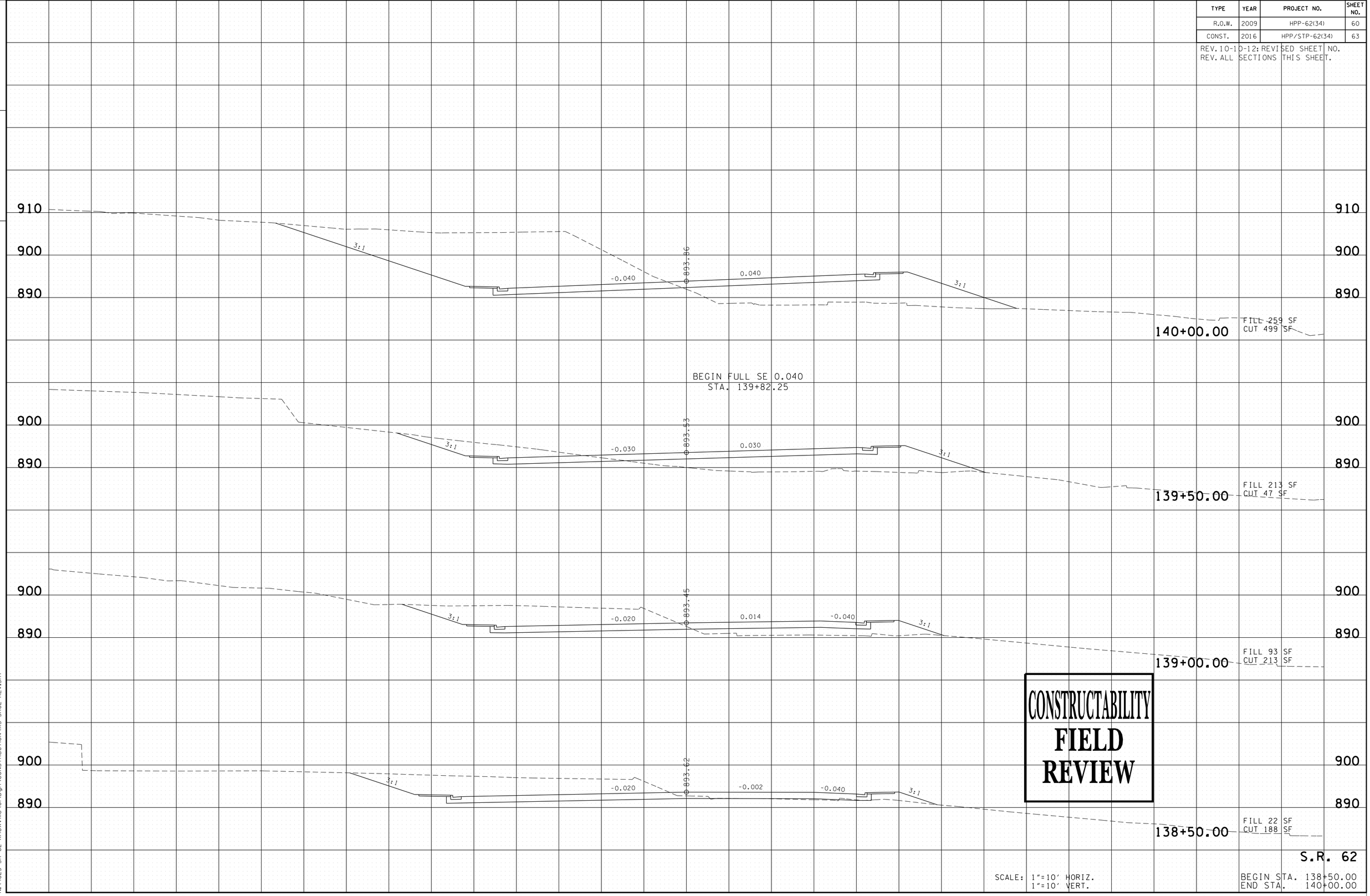
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	60
CONST.	2016	HPP/STP-62(34)	63

REV. 10-10-12: REVISED SHEET NO.
REV. ALL SECTIONS THIS SHEET.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 138+50.00
END STA. 140+00.00

5/4/2016 12:12:11 PM
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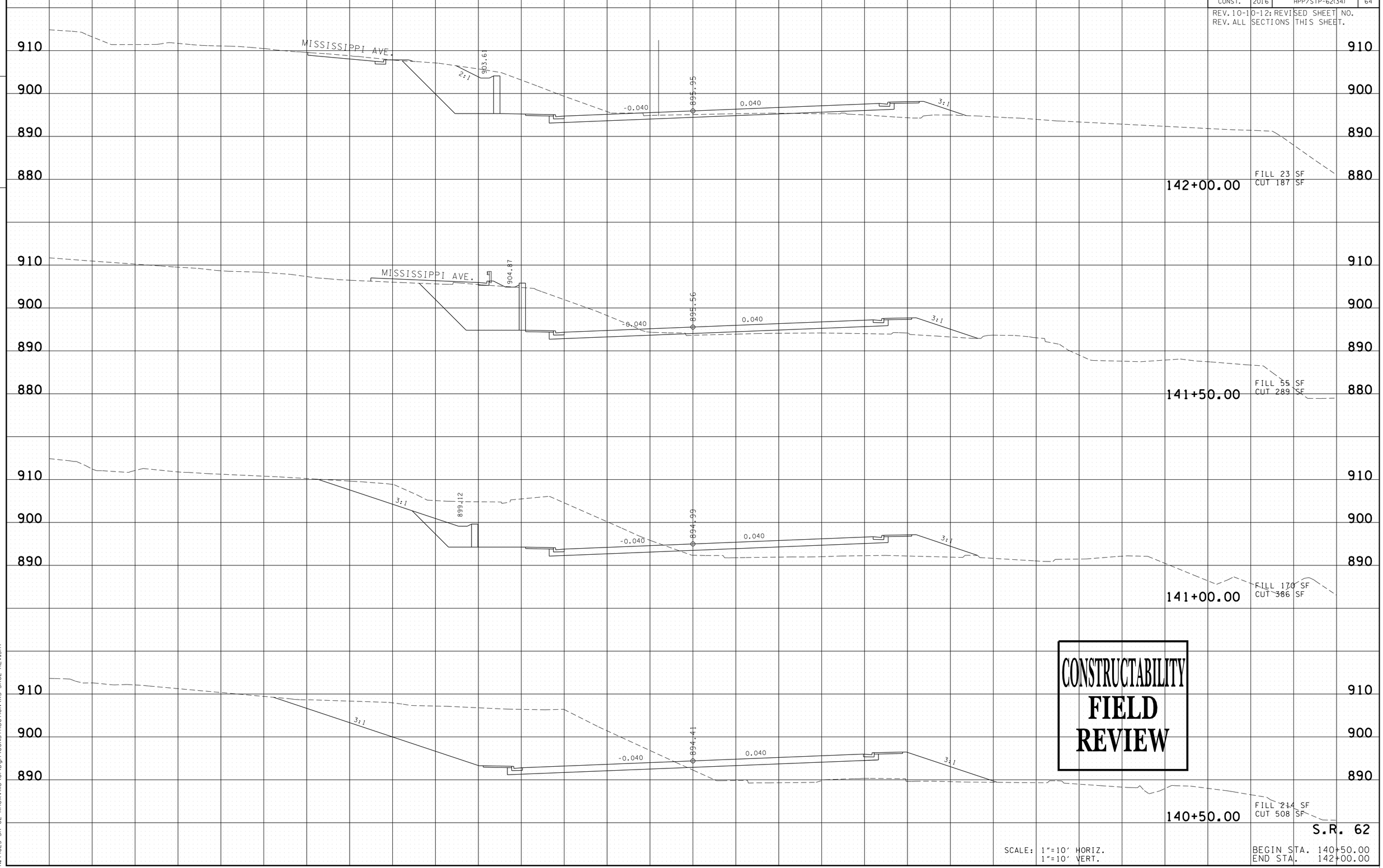
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	61
CONST.	2016	HPP/STP-62(34)	64

REV. 10-10-12: REVISED SHEET NO.
REV. ALL SECTIONS THIS SHEET.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 140+50.00
END STA. 142+00.00

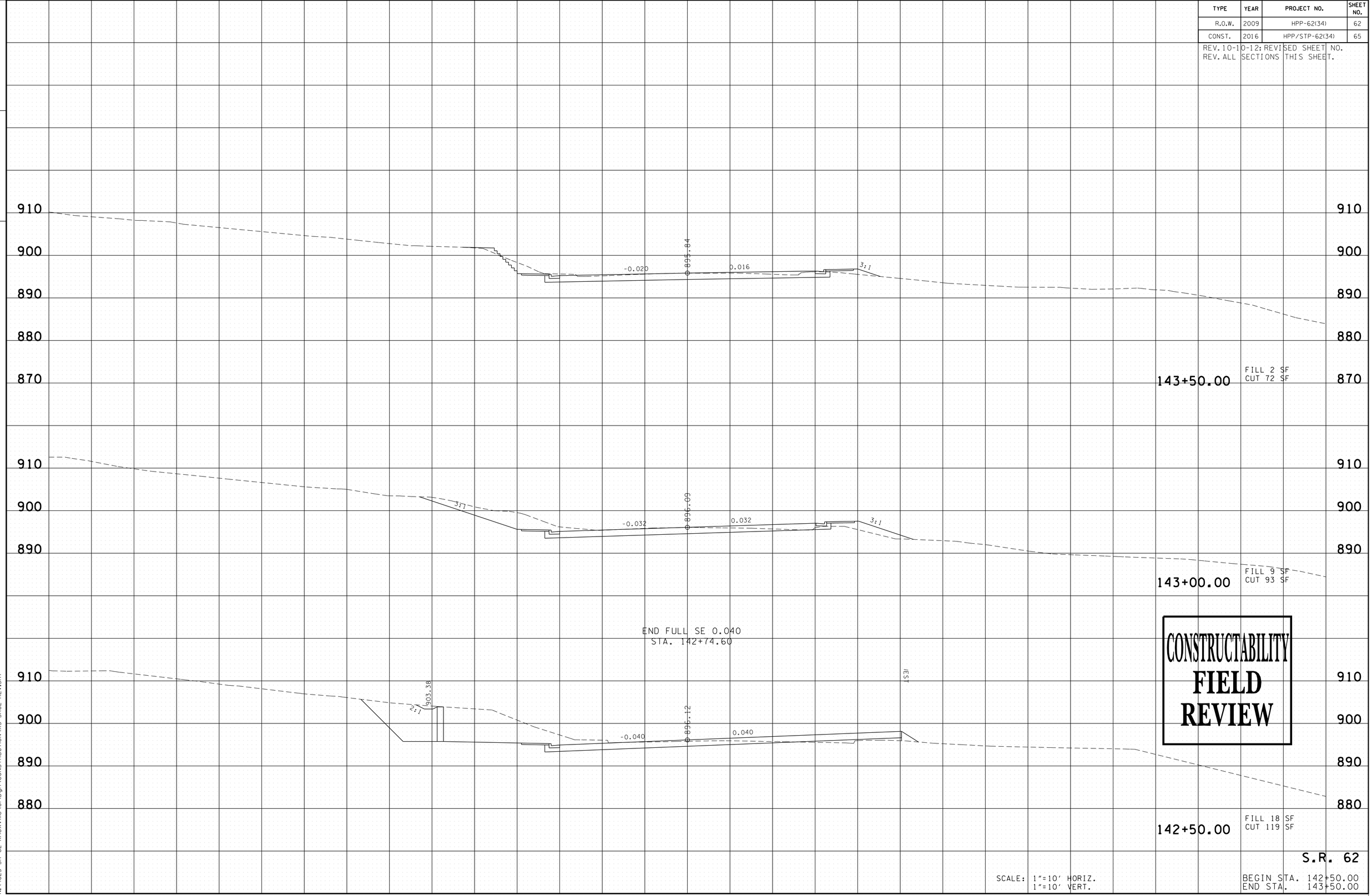
5/4/2016 12:12:12 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-SR62-REV.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	62
CONST.	2016	HPP/STP-62(34)	65

REV. 10-10-12: REVISED SHEET NO.
REV. ALL SECTIONS THIS SHEET.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 142+50.00
END STA. 143+50.00

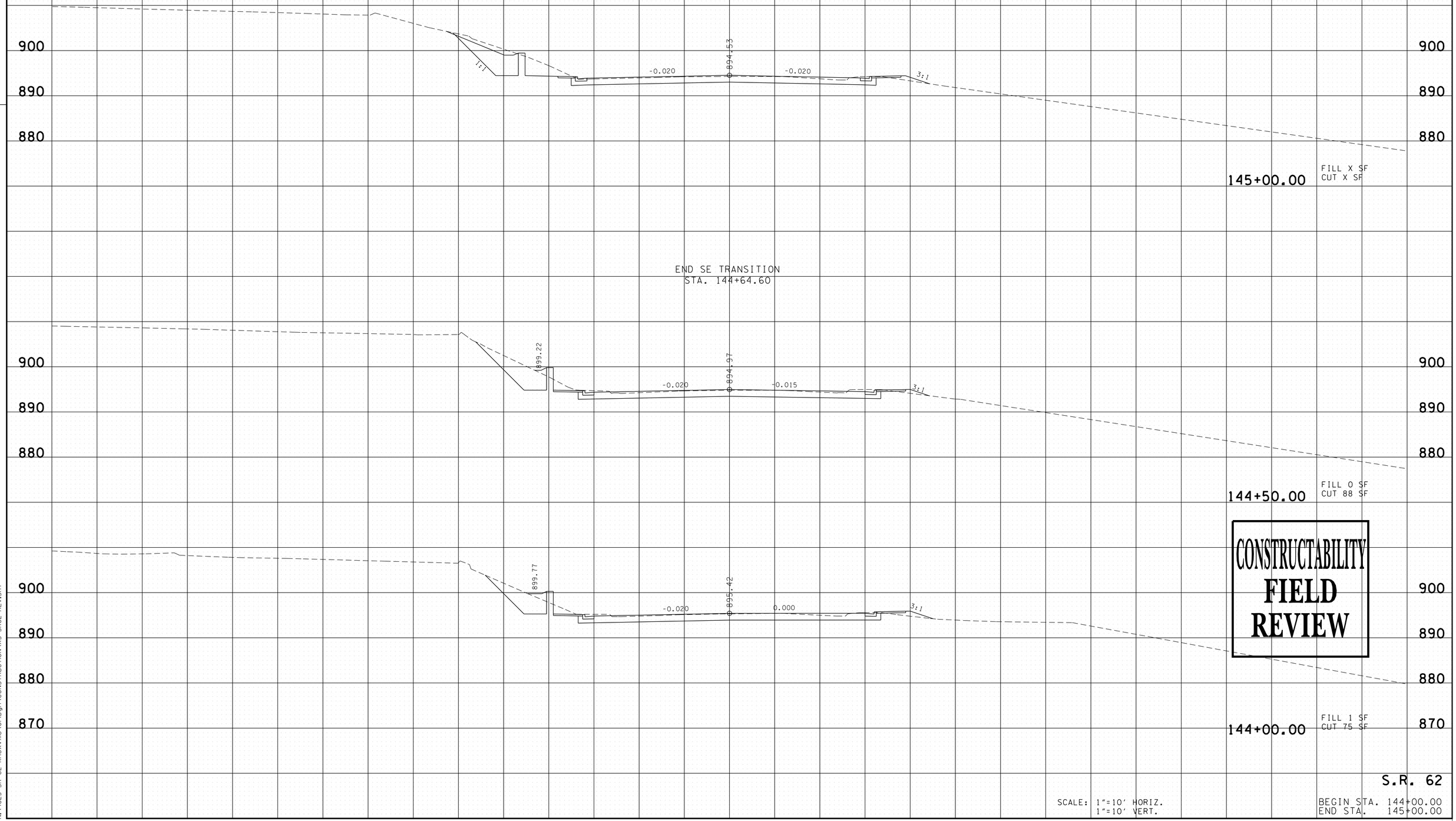
5/4/2016 12:21:13 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-SR62-REV.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	63
CONST.	2016	HPP/STP-62(34)	66

REV. 10-10-12: REVISED SHEET NO.
REV. SECTIONS 144+00.00 AND
144+50.00. ADDED SECTION 145+00.00.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 144+00.00
END STA. 145+00.00

5/4/2016 12:21:13 PM
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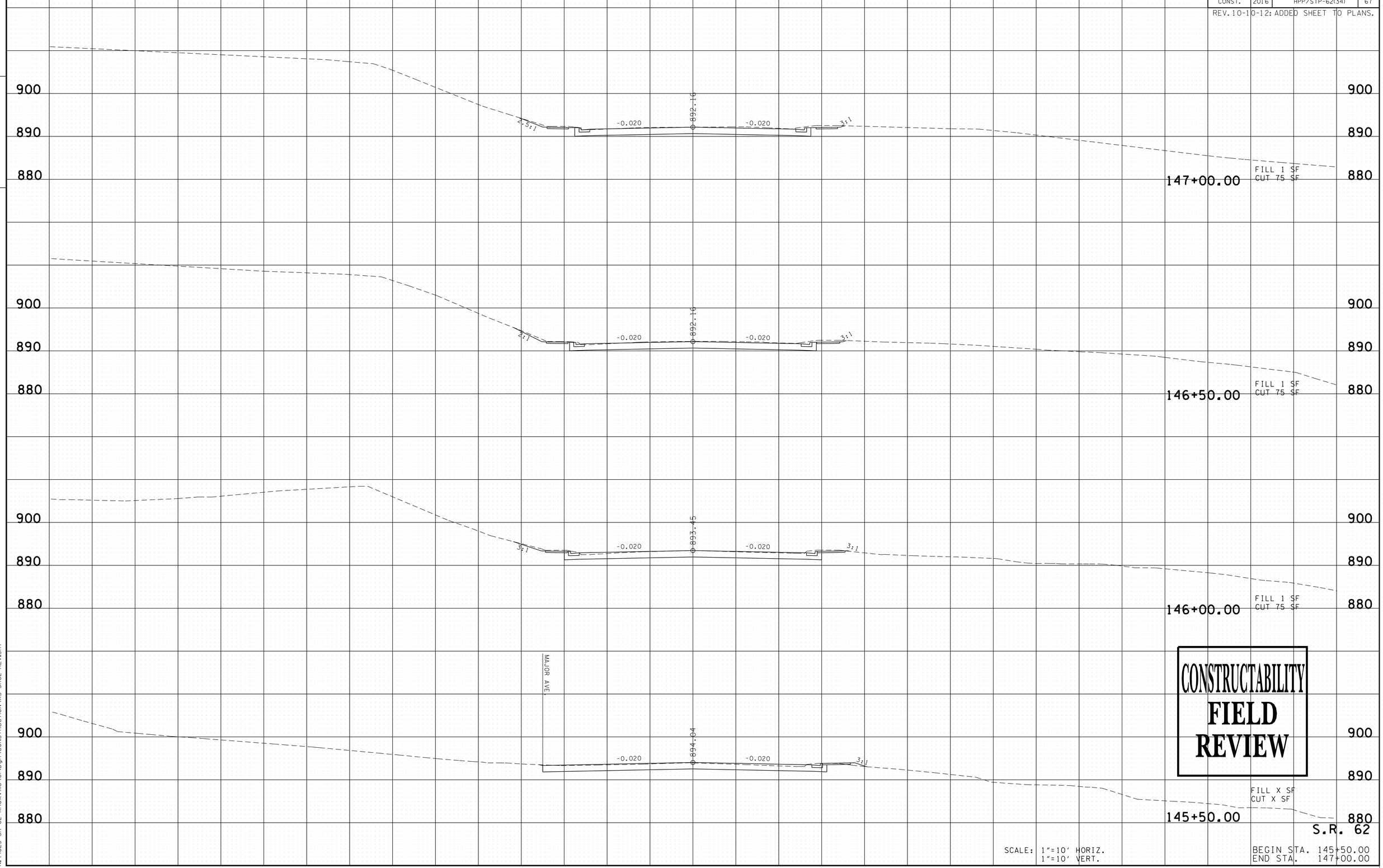
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	64
CONST.	2016	HPP/STP-62(34)	67

REV. 10-10-12: ADDED SHEET TO PLANS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

S.R. 62

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

BEGIN STA. 145+50.00
END STA. 147+00.00

5/4/2016 12:12:14 PM
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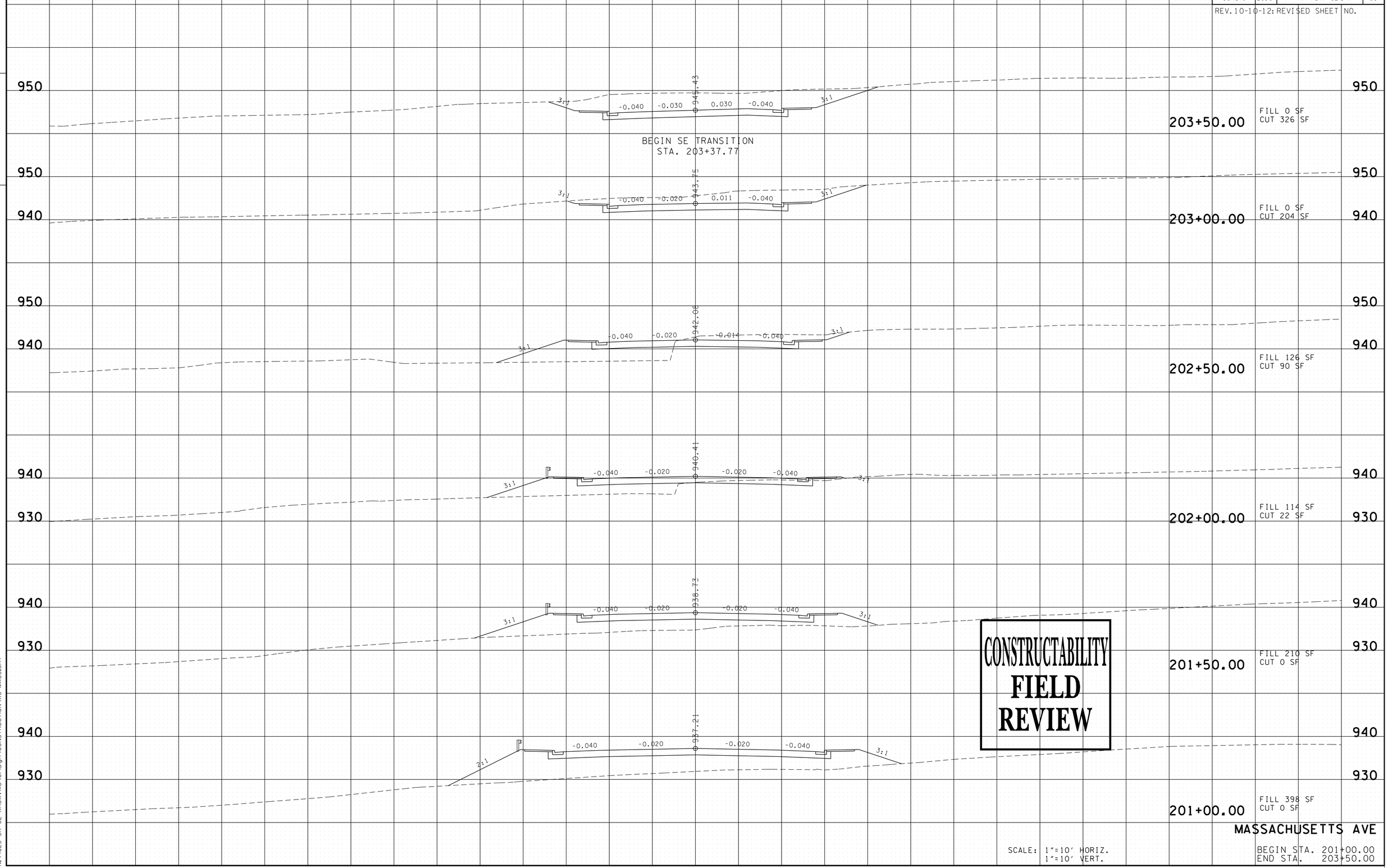
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	65
CONST.	2016	HPP/STP-62(34)	68

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



MASSACHUSETTS AVE

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

BEGIN STA. 201+00.00
END STA. 203+50.00

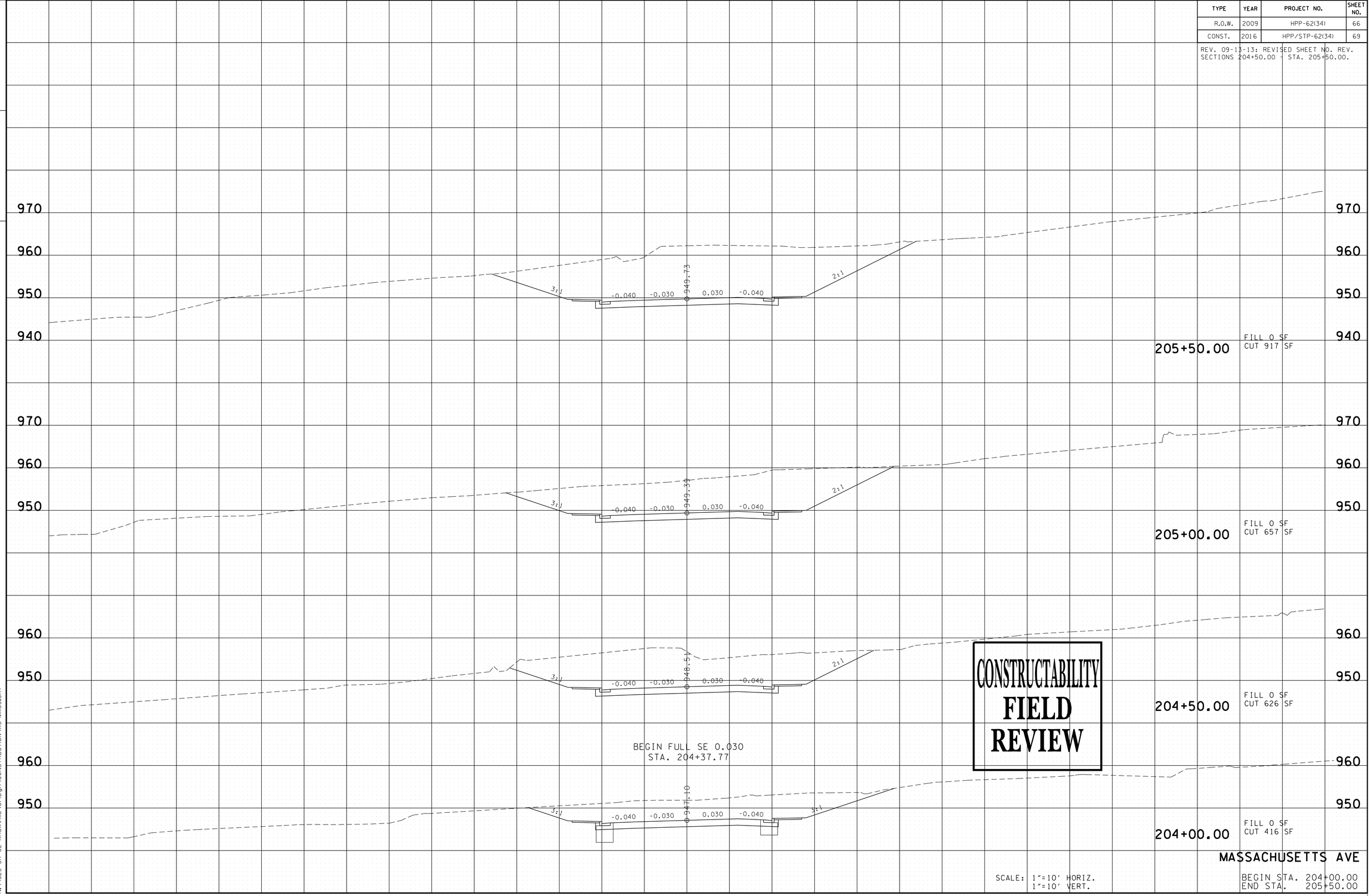
5/4/2016 12:12:17 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-MASS.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	66
CONST.	2016	HPP/STP-62(34)	69

REV. 09-13-13: REVISED SHEET NO. REV.
SECTIONS 204+50.00 - STA. 205+50.00.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

MASSACHUSETTS AVE

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

BEGIN STA. 204+00.00
END STA. 205+50.00

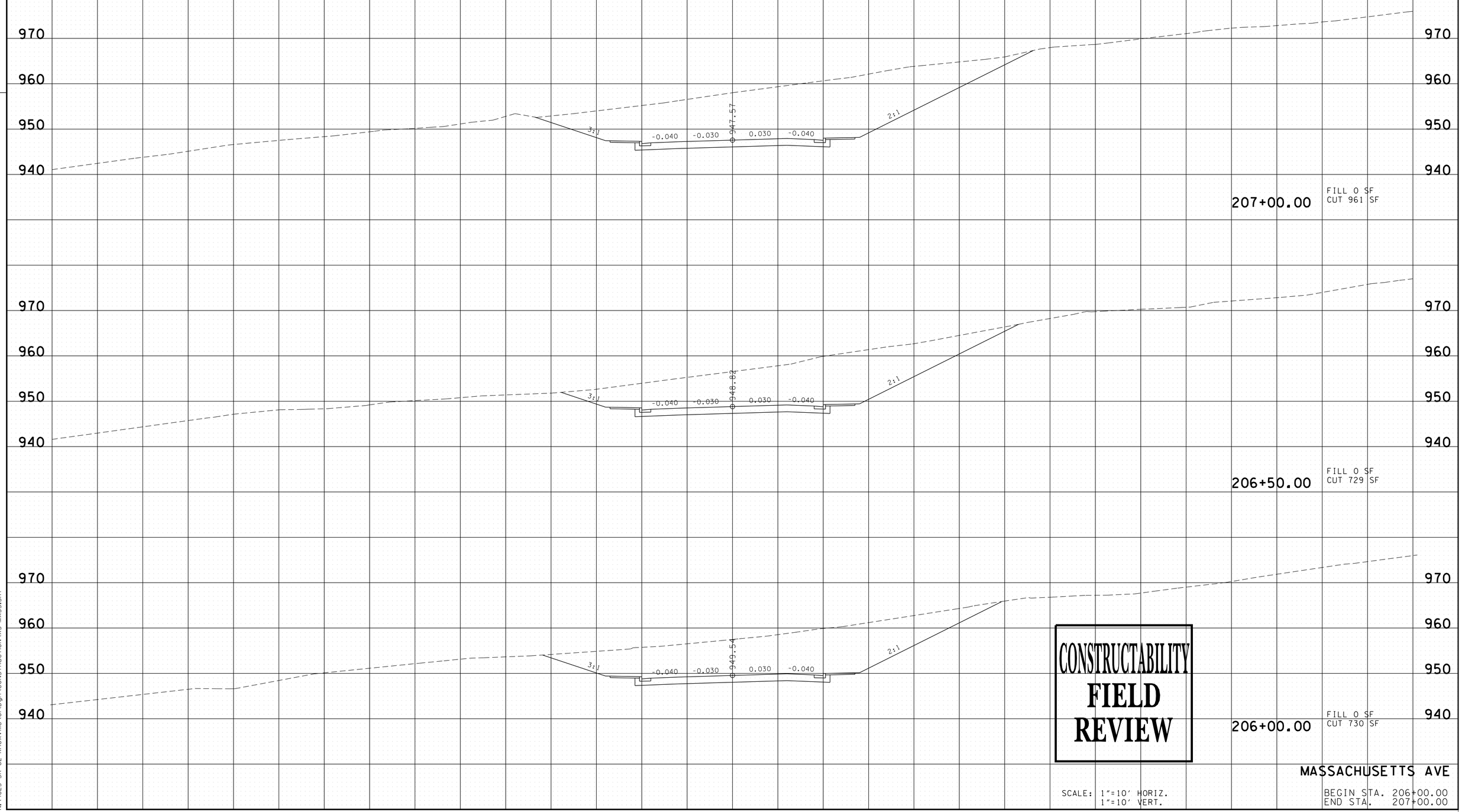
5/4/2016 12:12:17 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-MASS.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	67
CONST.	2016	HPP/STP-62(34)	70

REV. 09+13-13: REV. SECTIONS 206+00.00 - 206+50.00.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

MASSACHUSETTS AVE

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

BEGIN STA. 206+00.00
END STA. 207+00.00

5/4/2016 12:12:16 PM
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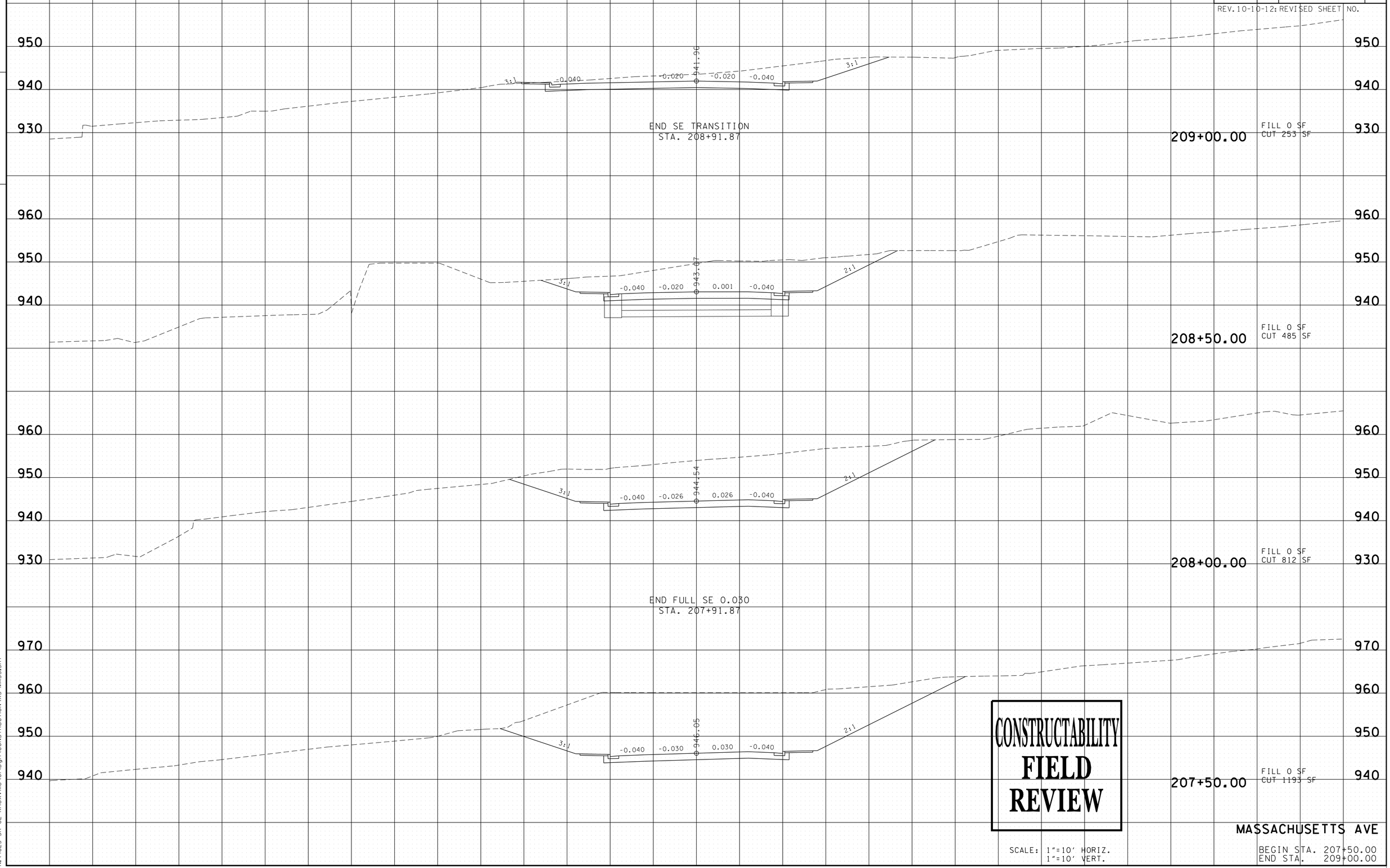
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	68
CONST.	2016	HPP/STP-62(34)	71

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

MASSACHUSETTS AVE

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

BEGIN STA. 207+50.00
END STA. 209+00.00

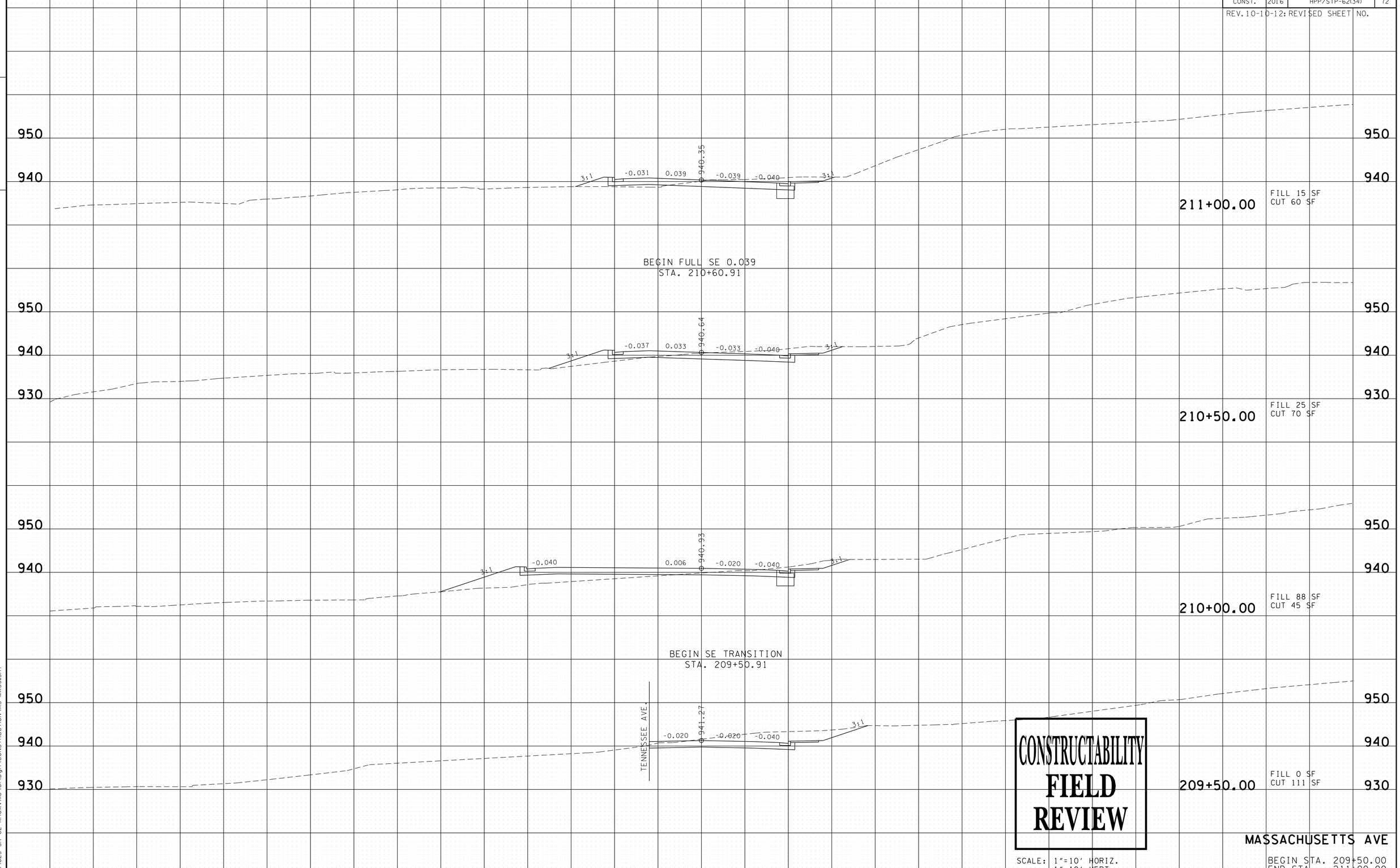
5/4/2016 12:21:15 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-MASS.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	69
CONST.	2016	HPP/STP-62(34)	72

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

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

MASSACHUSETTS AVE

BEGIN STA. 209+50.00
END STA. 211+00.00

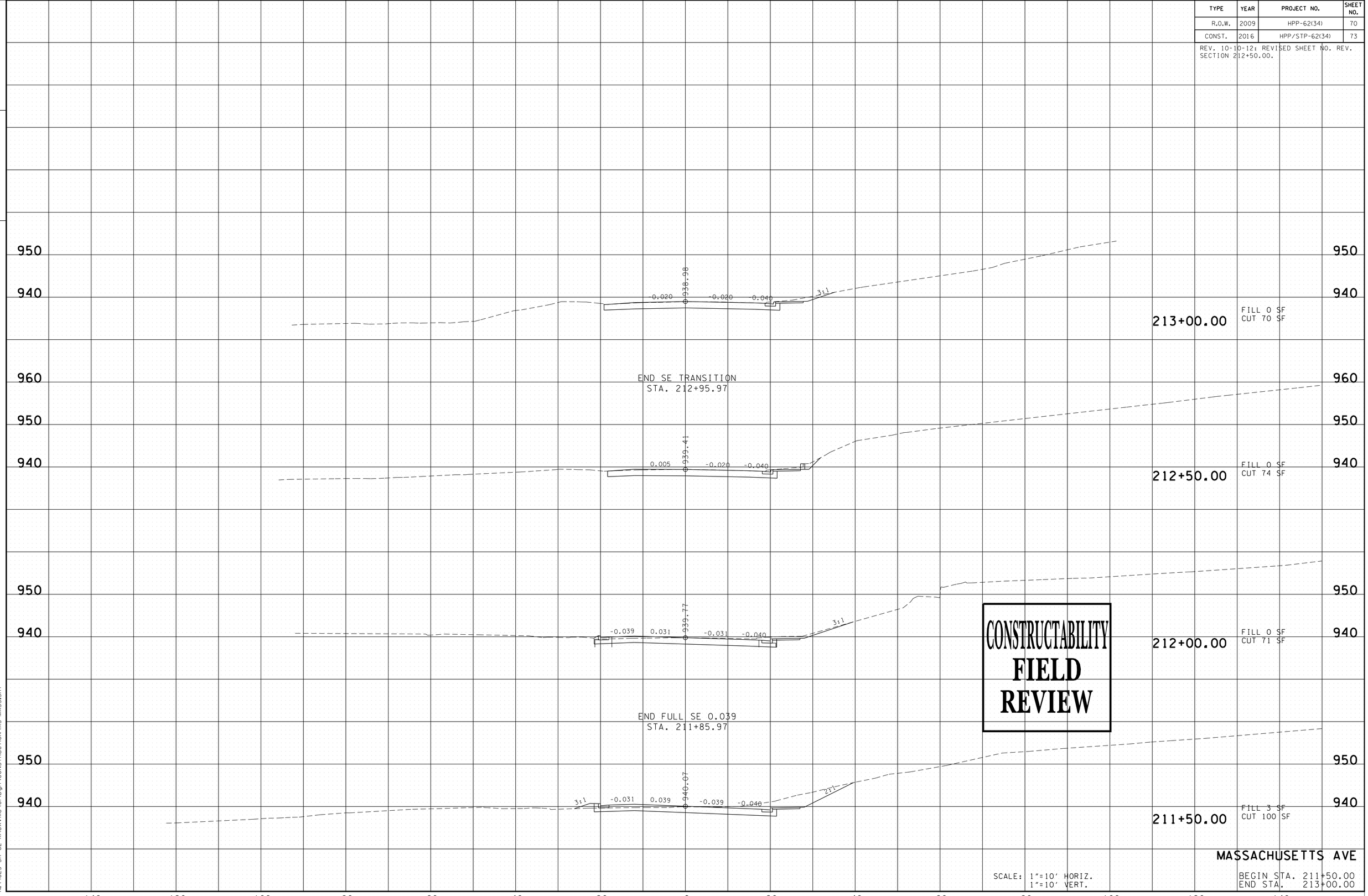
5/4/2016 12:12:15 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-MASS.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	70
CONST.	2016	HPP/STP-62(34)	73

REV. 10-10-12: REVISED SHEET NO. REV. SECTION 212+50.00.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

MASSACHUSETTS AVE

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

BEGIN STA. 211+50.00
END STA. 213+00.00

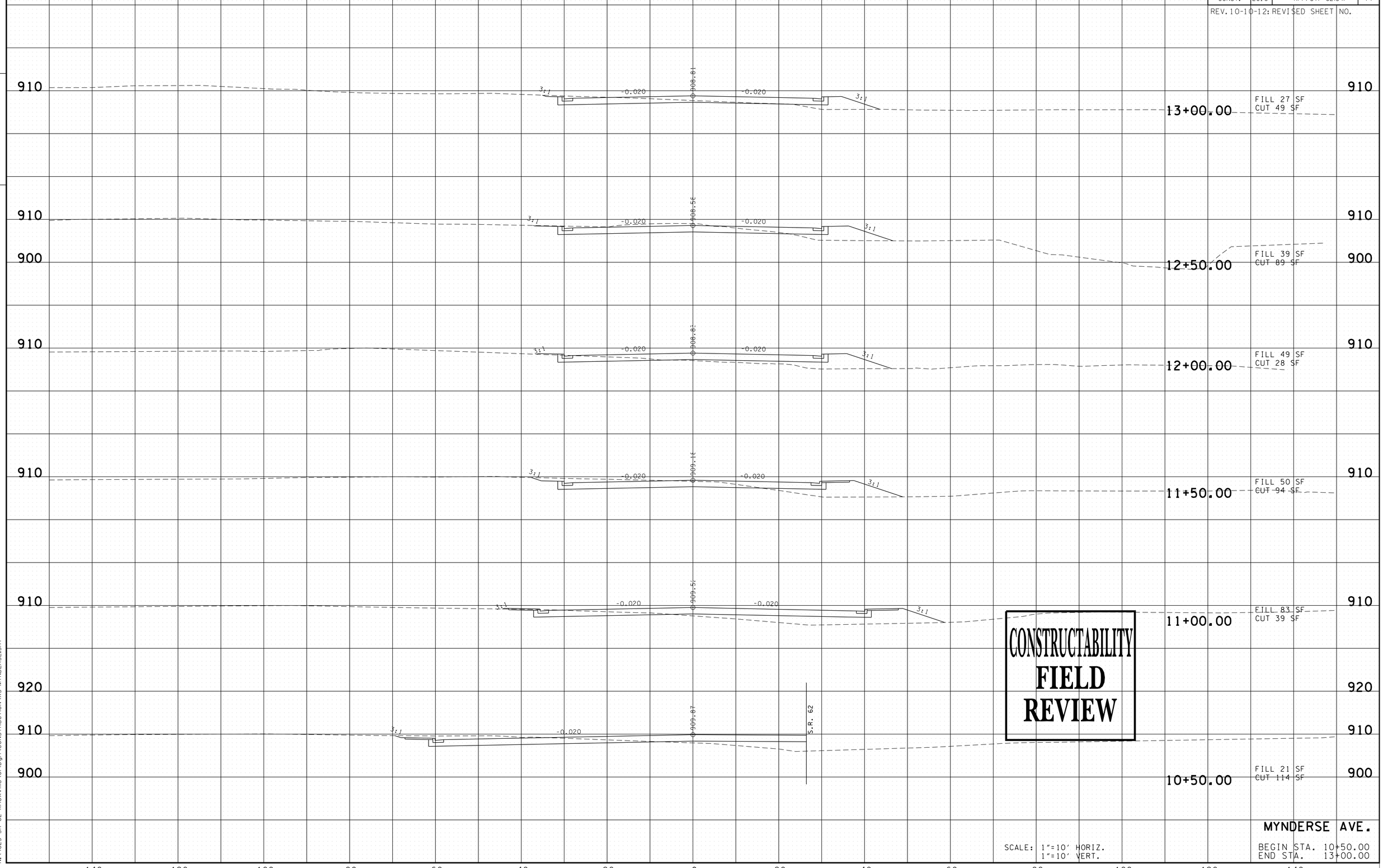
5/4/2016 12:12:18 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-MASS.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	71
CONST.	2016	HPP/STP-62(34)	74

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

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

MYNDERSE AVE.

BEGIN STA. 10+50.00
END STA. 13+00.00

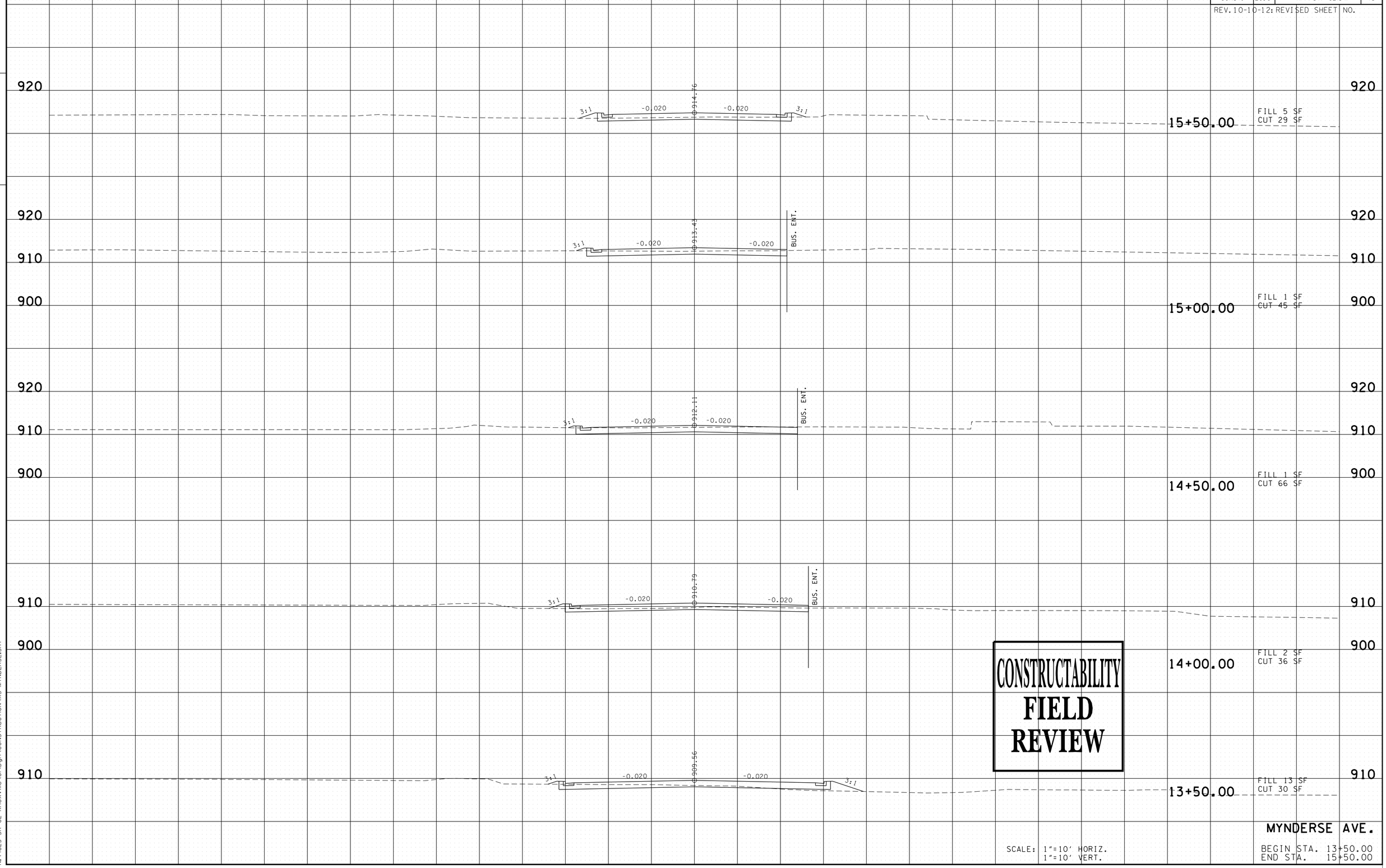
5/4/2016 12:12:19 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-MYNDERSE.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	72
CONST.	2016	HPP/STP-62(34)	75

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

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

MYNDERSE AVE.

BEGIN STA. 13+50.00
END STA. 15+50.00

5/4/2016 12:12:20 PM
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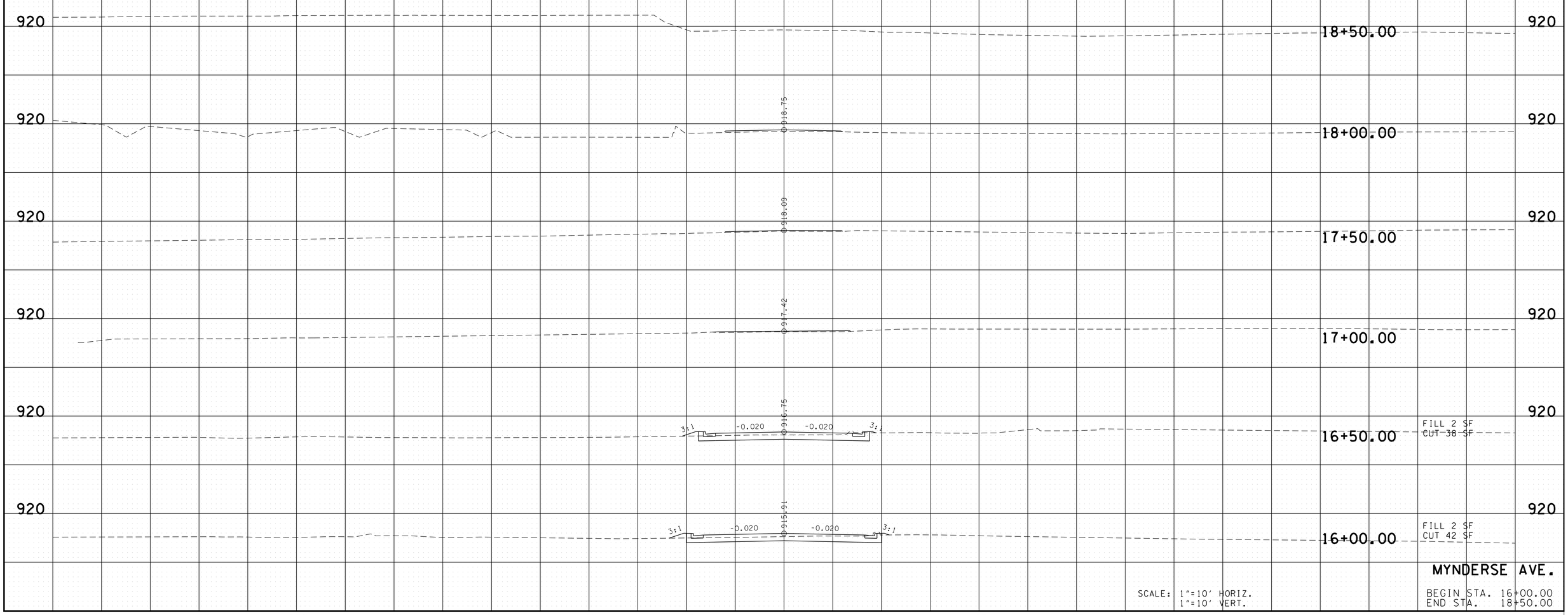
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	73
CONST.	2016	HPP/STP-62(34)	76

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION

CONSTRUCTABILITY
FIELD
REVIEW



MYNDERSE AVE.

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

BEGIN STA. 16+00.00
END STA. 18+50.00

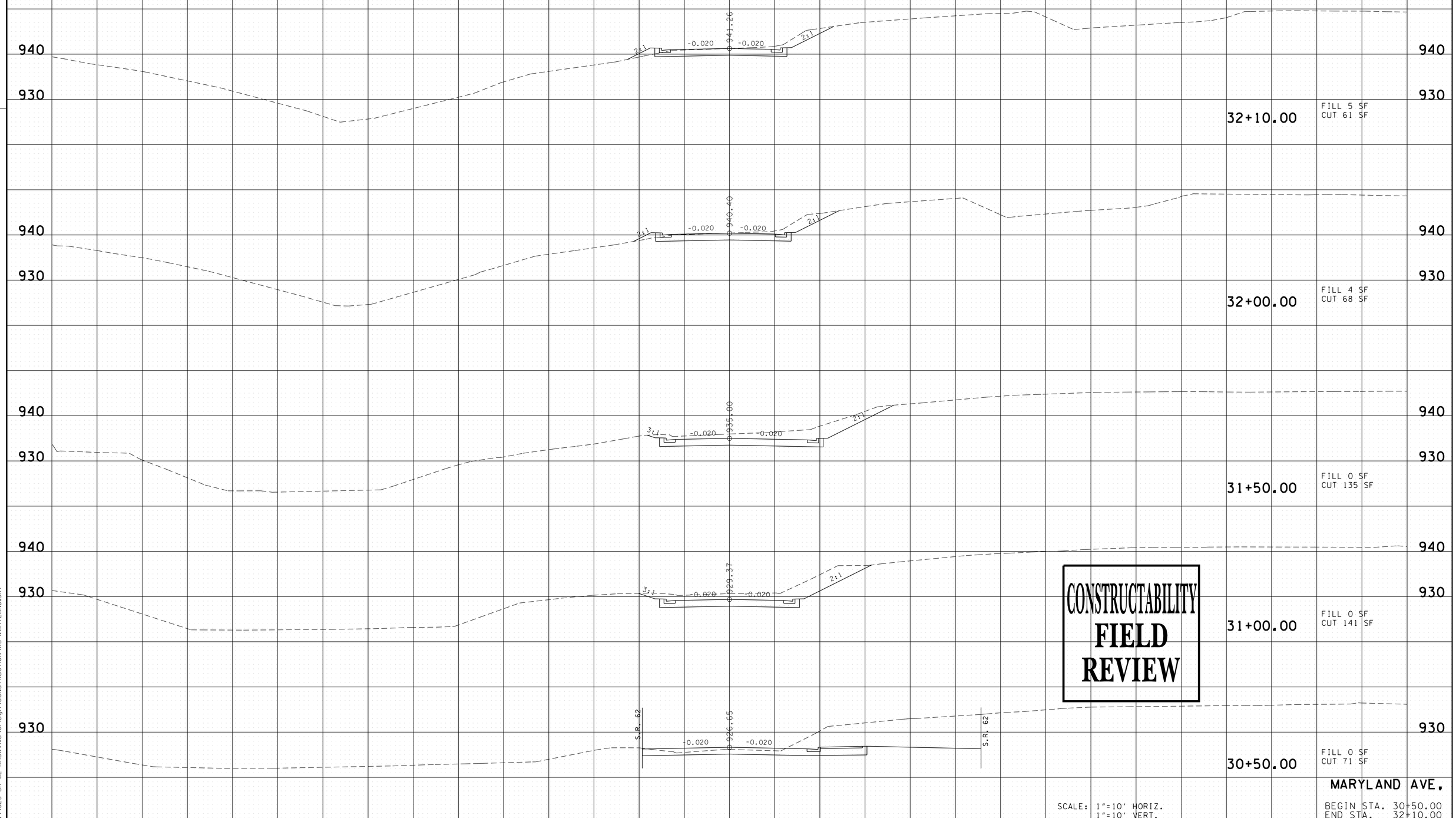
5/4/2016 12:12:20 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-MYNDERSE.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	74
CONST.	2016	HPP/STP-62(34)	77

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

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

MARYLAND AVE.

BEGIN STA. 30+50.00
END STA. 32+10.00

5/4/2016 12:12:21 PM
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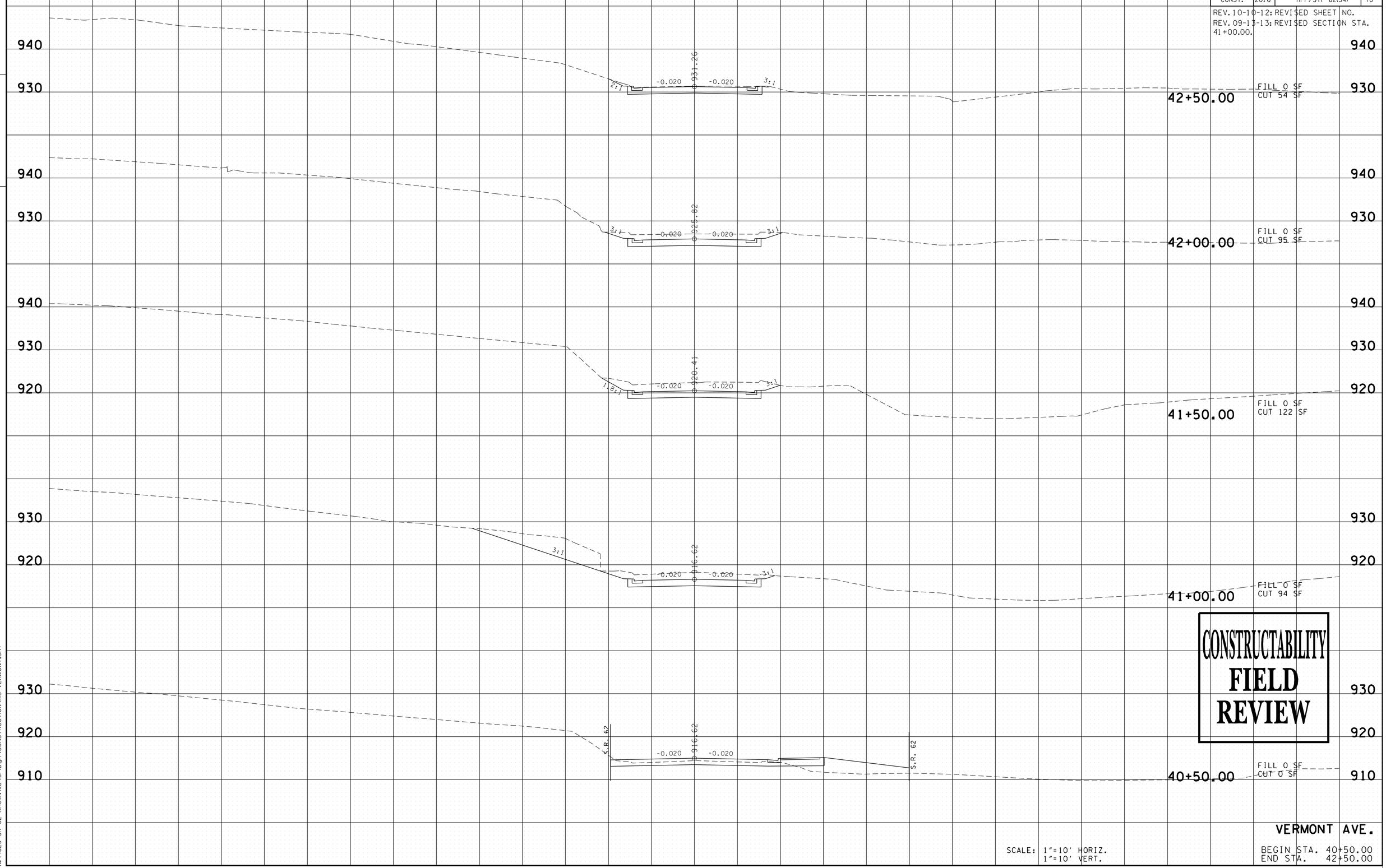
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	75
CONST.	2016	HPP/STP-62(34)	78

REV. 10-10-12: REVISED SHEET NO.
REV. 09-13-13: REVISED SECTION STA. 41+00.00.

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



CONSTRUCTABILITY
FIELD
REVIEW

VERMONT AVE.

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

BEGIN STA. 40+50.00
END STA. 42+50.00

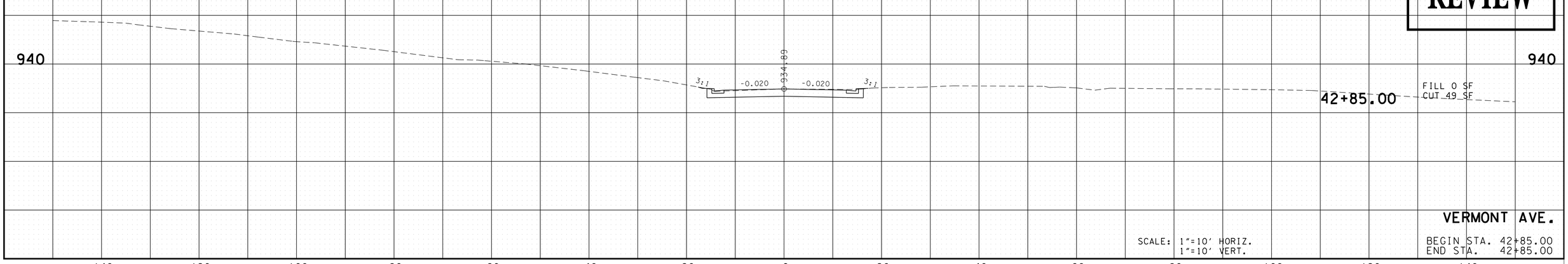
5/4/2016 12:12:22 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-VERMONT.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	76
CONST.	2016	HPP/STP-62(34)	79

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

VERMONT AVE.

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

BEGIN STA. 42+85.00
END STA. 42+85.00

5/4/2016 12:12:23 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-VERMONT.SHT

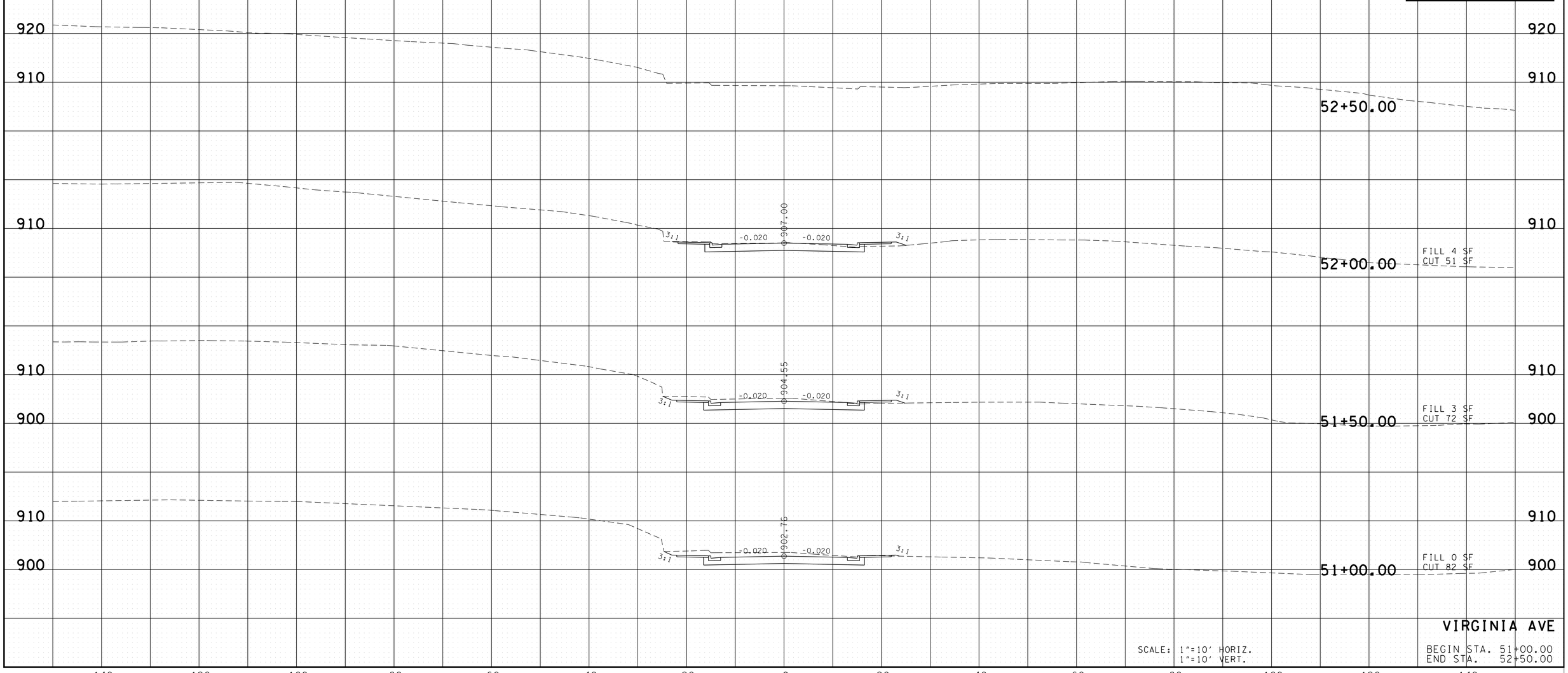
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	77
CONST.	2016	HPP/STP-62(34)	80

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION

CONSTRUCTABILITY
FIELD
REVIEW



VIRGINIA AVE

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

BEGIN STA. 51+00.00
END STA. 52+50.00

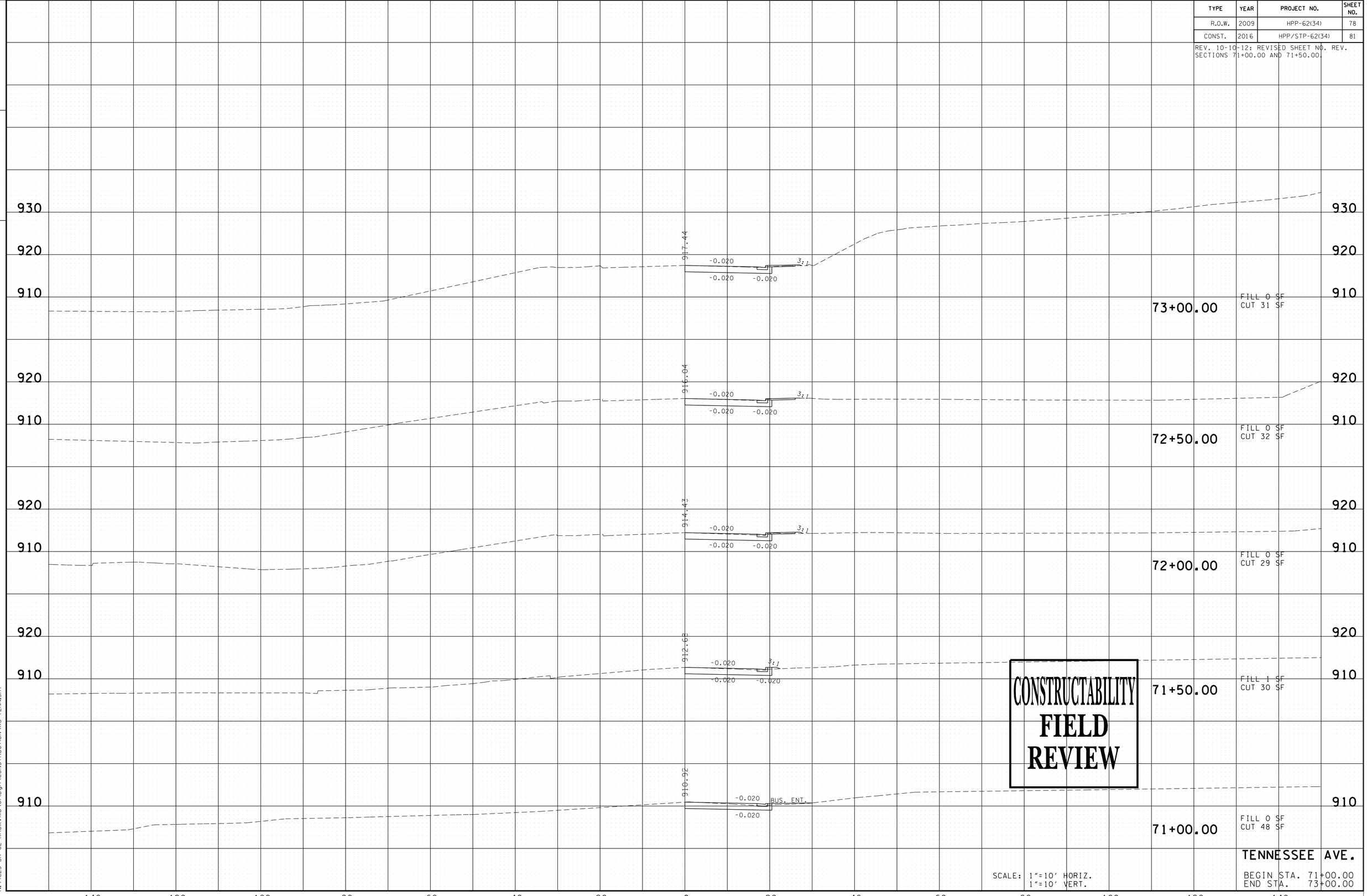
5/4/2016 12:12:23 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-VIRGINIA.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	78
CONST.	2016	HPP/STP-62(34)	81

REV. 10-10-12: REVISED SHEET NO. REV. SECTIONS 71+00.00 AND 71+50.00.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

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

TENNESSEE AVE.

BEGIN STA. 71+00.00
END STA. 73+00.00

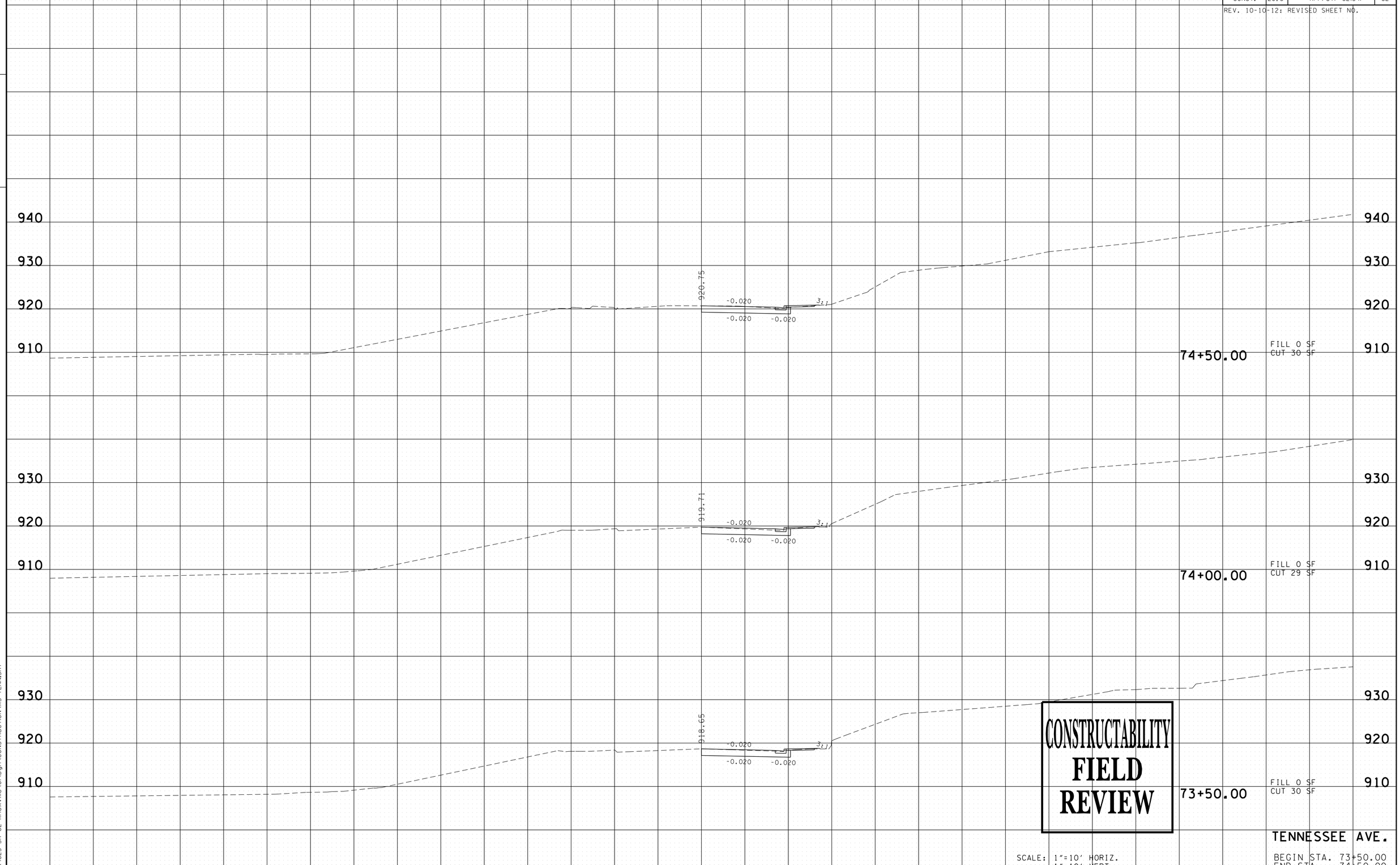
5/4/2016 12:12:26 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-TENN.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	79
CONST.	2016	HPP/STP-62(34)	82

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

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

TENNESSEE AVE.

BEGIN STA. 73+50.00
END STA. 74+50.00

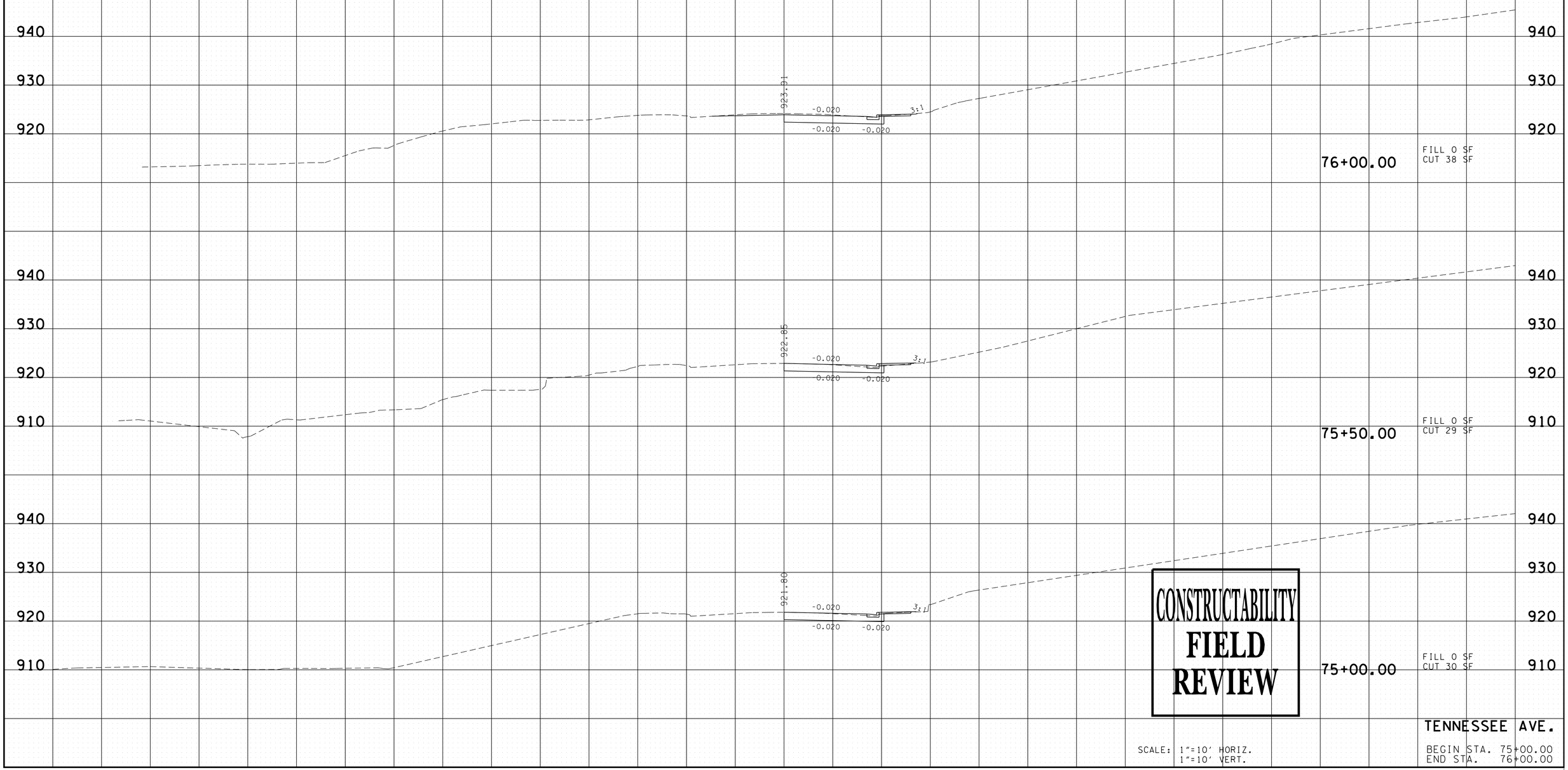
5/4/2016 12:12:26 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-TENN.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	80
CONST.	2016	HPP/STP-62(34)	83

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

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

TENNESSEE AVE.

BEGIN STA. 75+00.00
END STA. 76+00.00

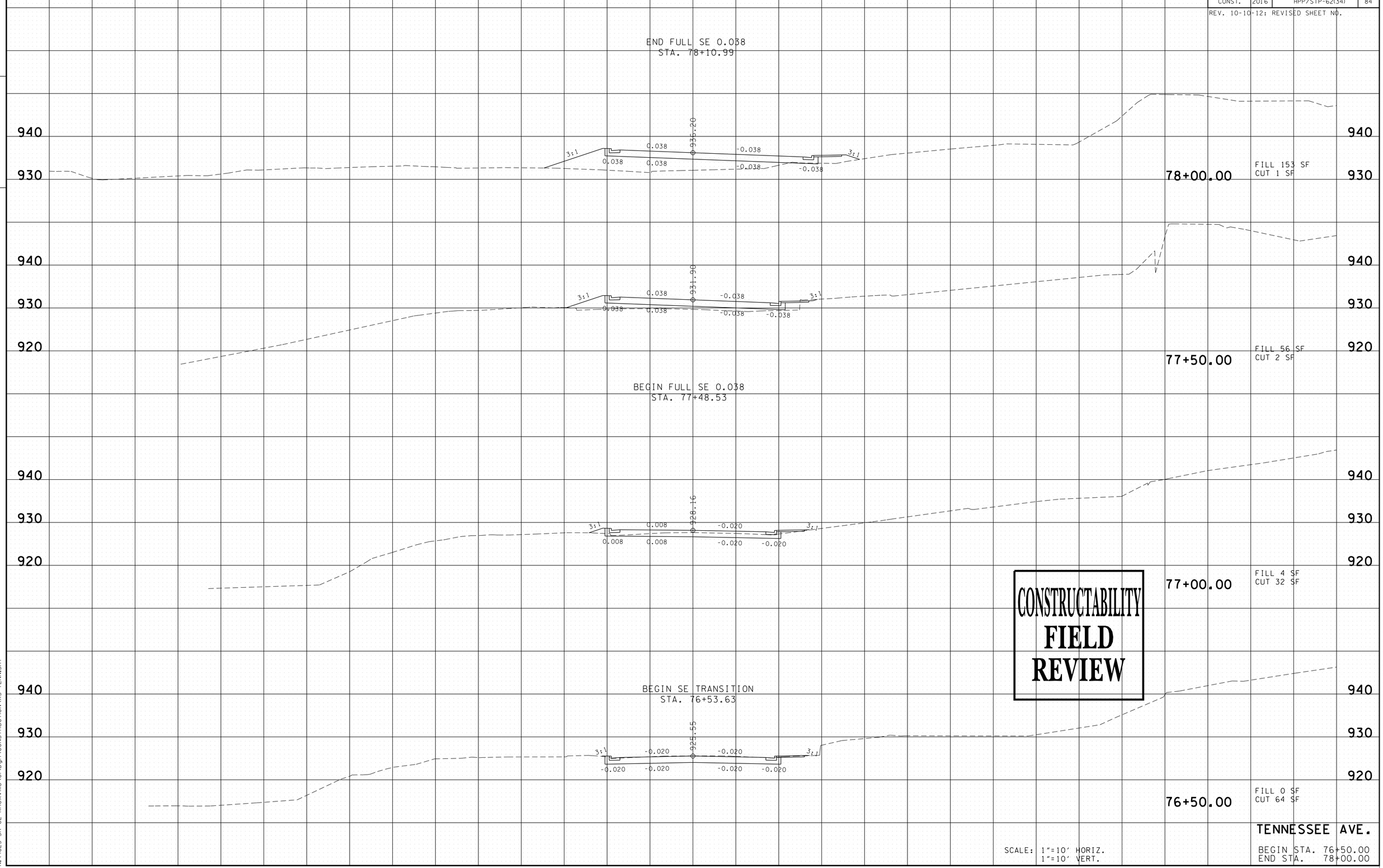
5/4/2016 12:12:25 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-TENN.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	81
CONST.	2016	HPP/STP-62(34)	84

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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

TENNESSEE AVE.

BEGIN STA. 76+50.00
END STA. 78+00.00

5/4/2016 12:12:25 PM
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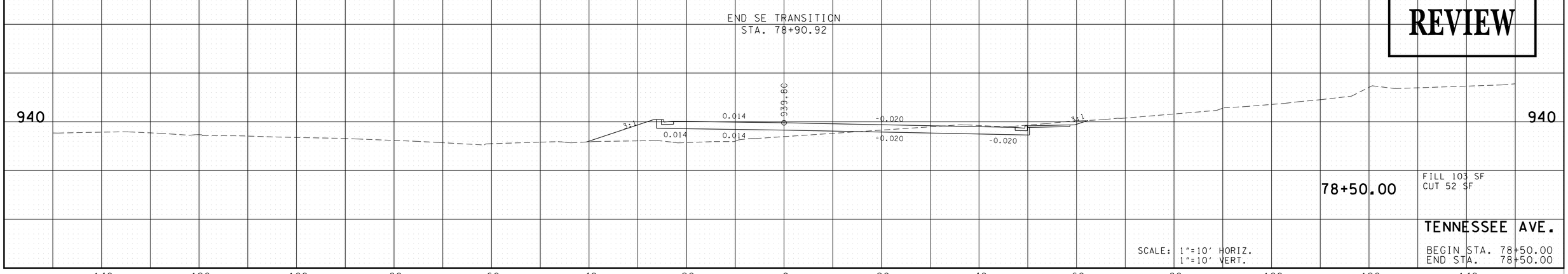
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	82
CONST.	2016	HPP/STP-62(34)	85

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

78+50.00

FILL 103 SF
CUT 52 SF

TENNESSEE AVE.

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

BEGIN STA. 78+50.00
END STA. 78+50.00

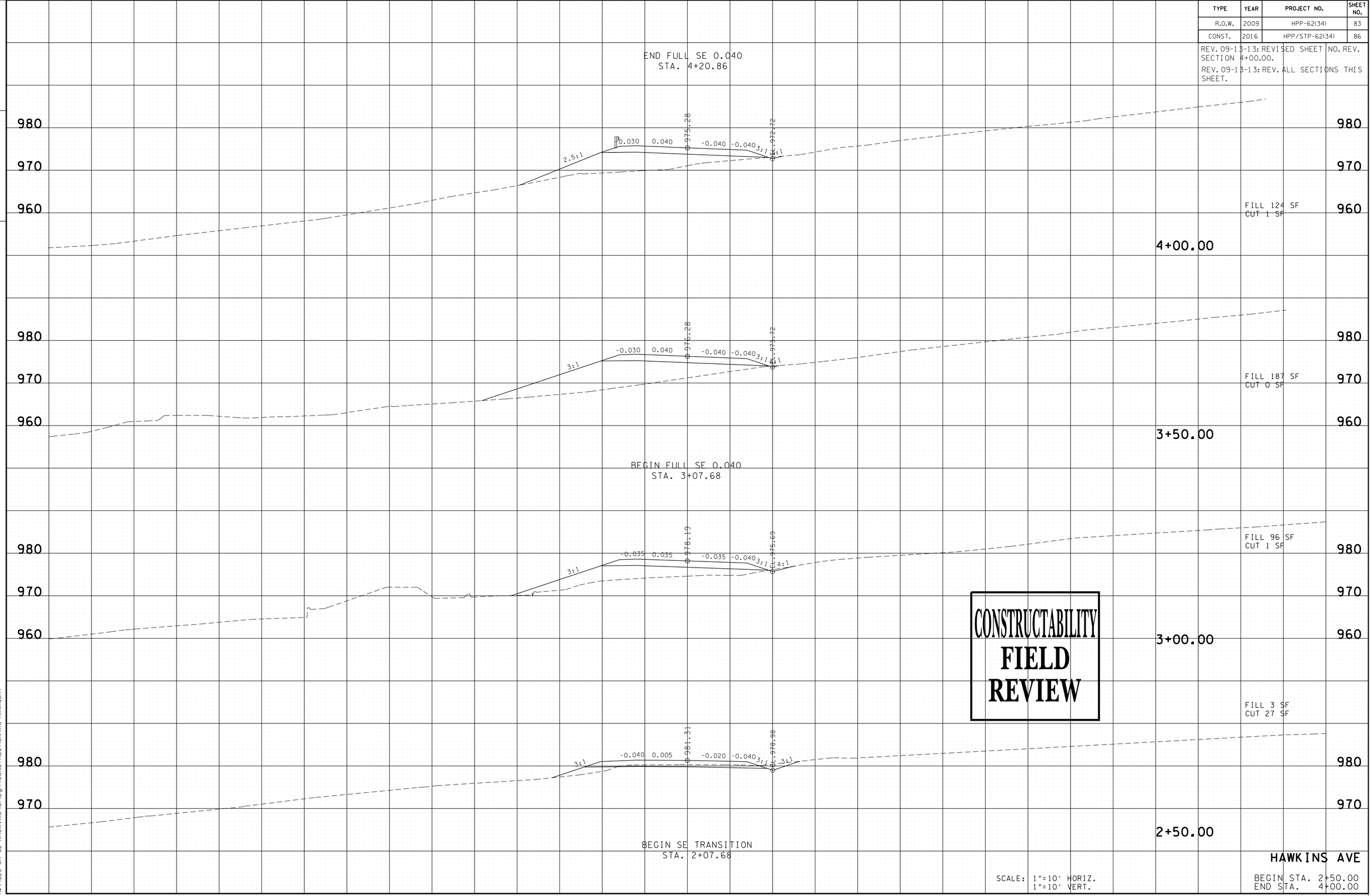
5/4/2016 12:12:24 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-TENN.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	83
CONST.	2016	HPP/STP-62(34)	86

REV. 09-13-13: REVISED SHEET NO. REV. SECTION 4+00.00.
REV. 09-13-13: REV. ALL SECTIONS THIS SHEET.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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

HAWKINS AVE

BEGIN STA. 2+50.00
END STA. 4+00.00

5/4/2016 12:12:27 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-HAWK.SHT

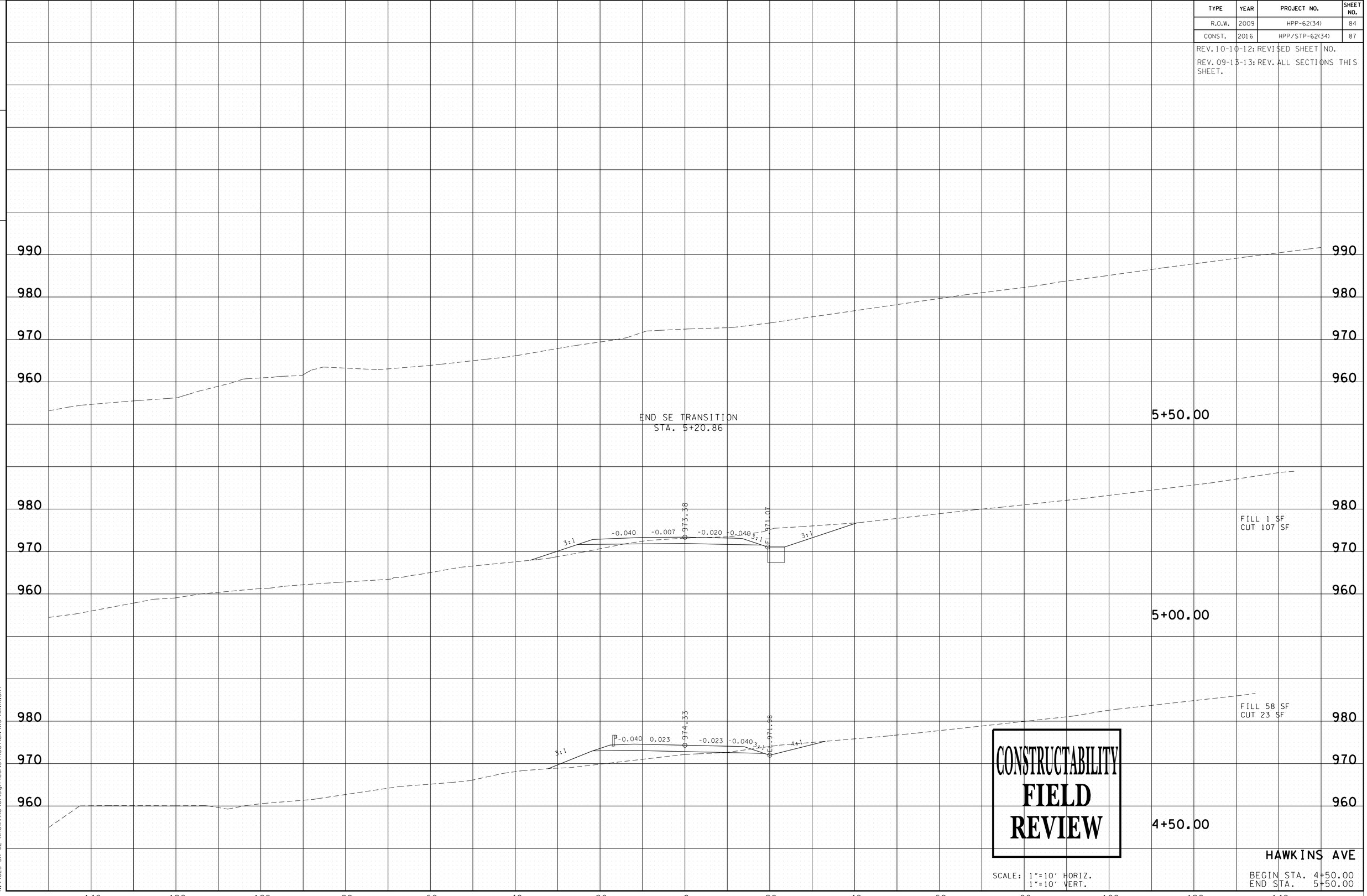
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	84
CONST.	2016	HPP/STP-62(34)	87

REV. 10-10-12: REVISED SHEET NO.

REV. 09-13-13: REV. ALL SECTIONS THIS SHEET.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

HAWKINS AVE

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

BEGIN STA. 4+50.00
END STA. 5+50.00

5/4/2016 12:12:28 PM
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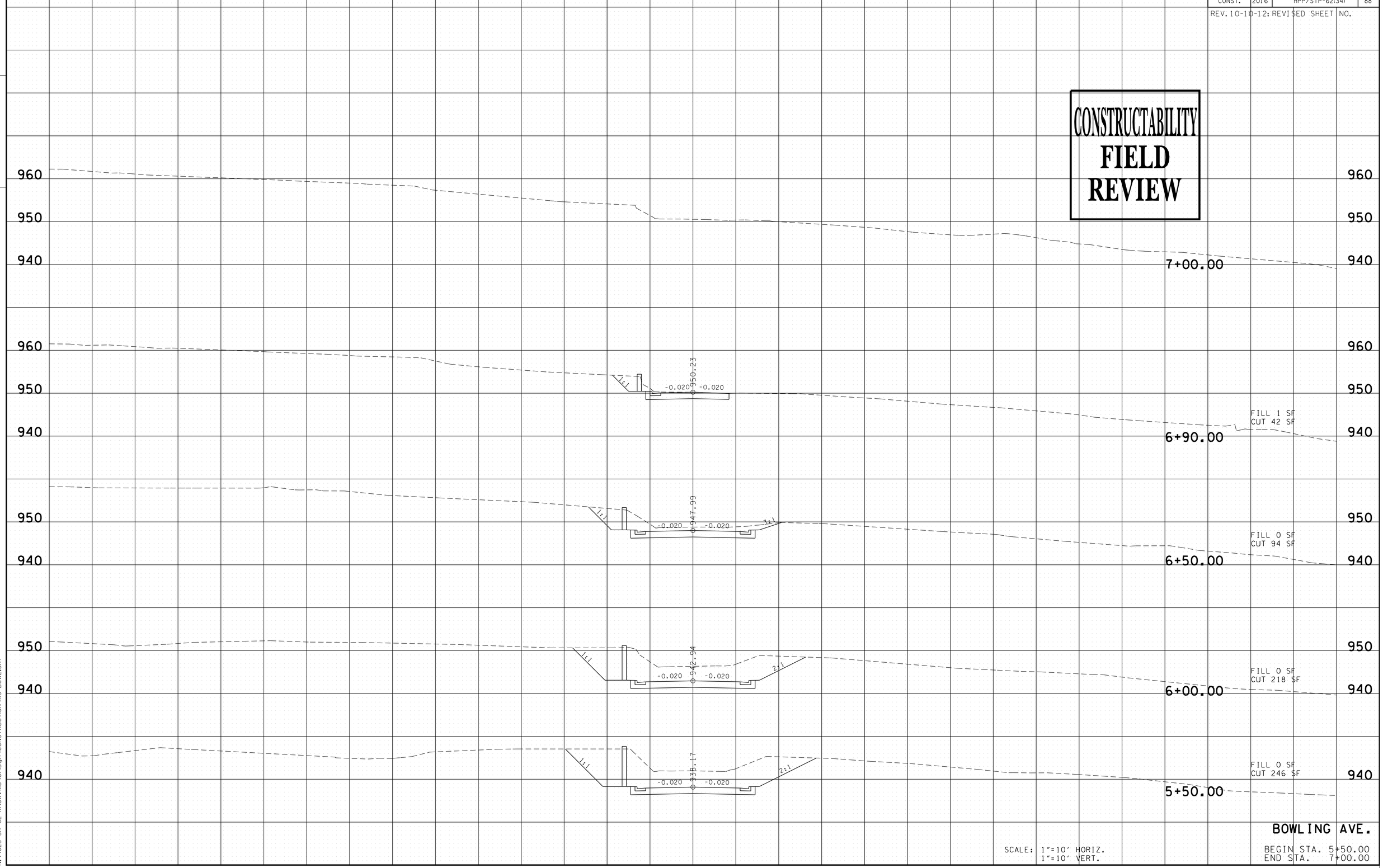
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	85
CONST.	2016	HPP/STP-62(34)	88

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION

CONSTRUCTABILITY
FIELD
REVIEW



BOWLING AVE.

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

BEGIN STA. 5+50.00
END STA. 7+00.00

5/4/2016 12:12:28 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-BOWL.SHT

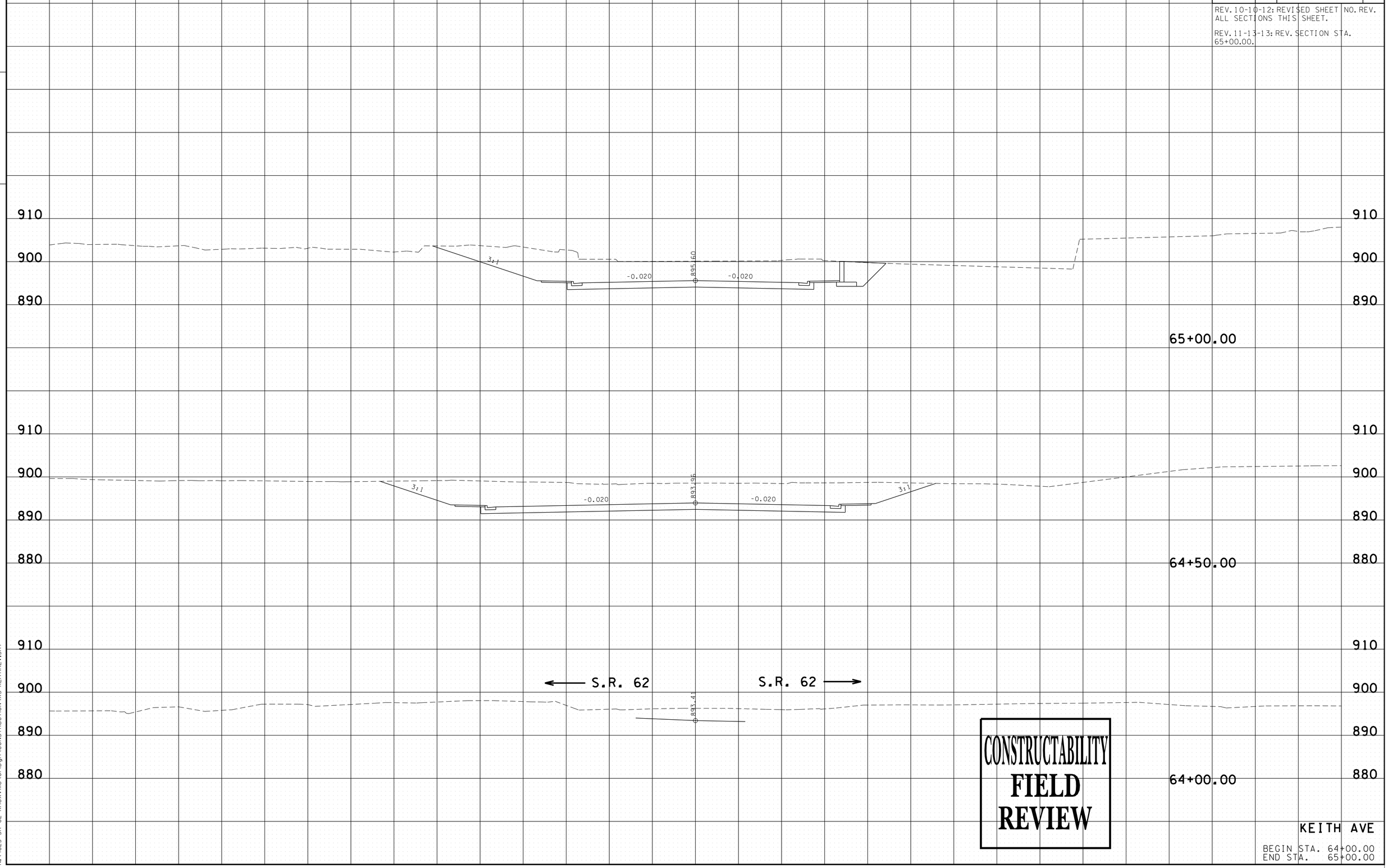
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	86
CONST.	2016	HPP/STP-62(34)	89

REV. 10-10-12: REVISED SHEET NO. REV. ALL SECTIONS THIS SHEET.

REV. 11-13-13: REV. SECTION STA. 65+00.00.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

KEITH AVE

BEGIN STA. 64+00.00
END STA. 65+00.00

5/4/2016 12:12:29 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-KEITHREV.SHT

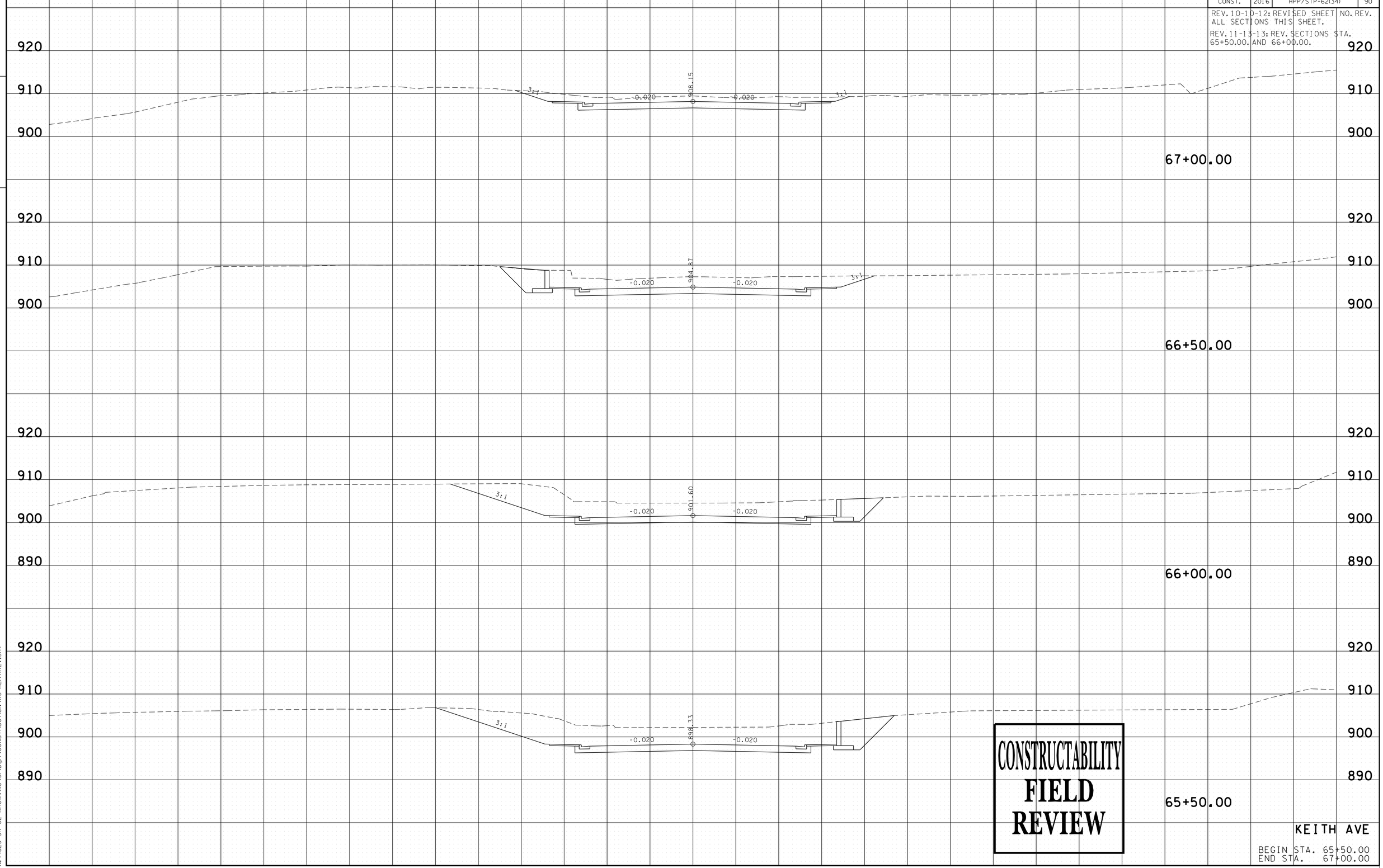
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	87
CONST.	2016	HPP/STP-62(34)	90

REV. 10-10-12: REVISED SHEET NO. REV.
ALL SECTIONS THIS SHEET.

REV. 11-13-13: REV. SECTIONS STA.
65+50.00. AND 66+00.00.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

KEITH AVE

BEGIN STA. 65+50.00
END STA. 67+00.00

5/4/2016 12:21:30 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-KEITHREV.SHT

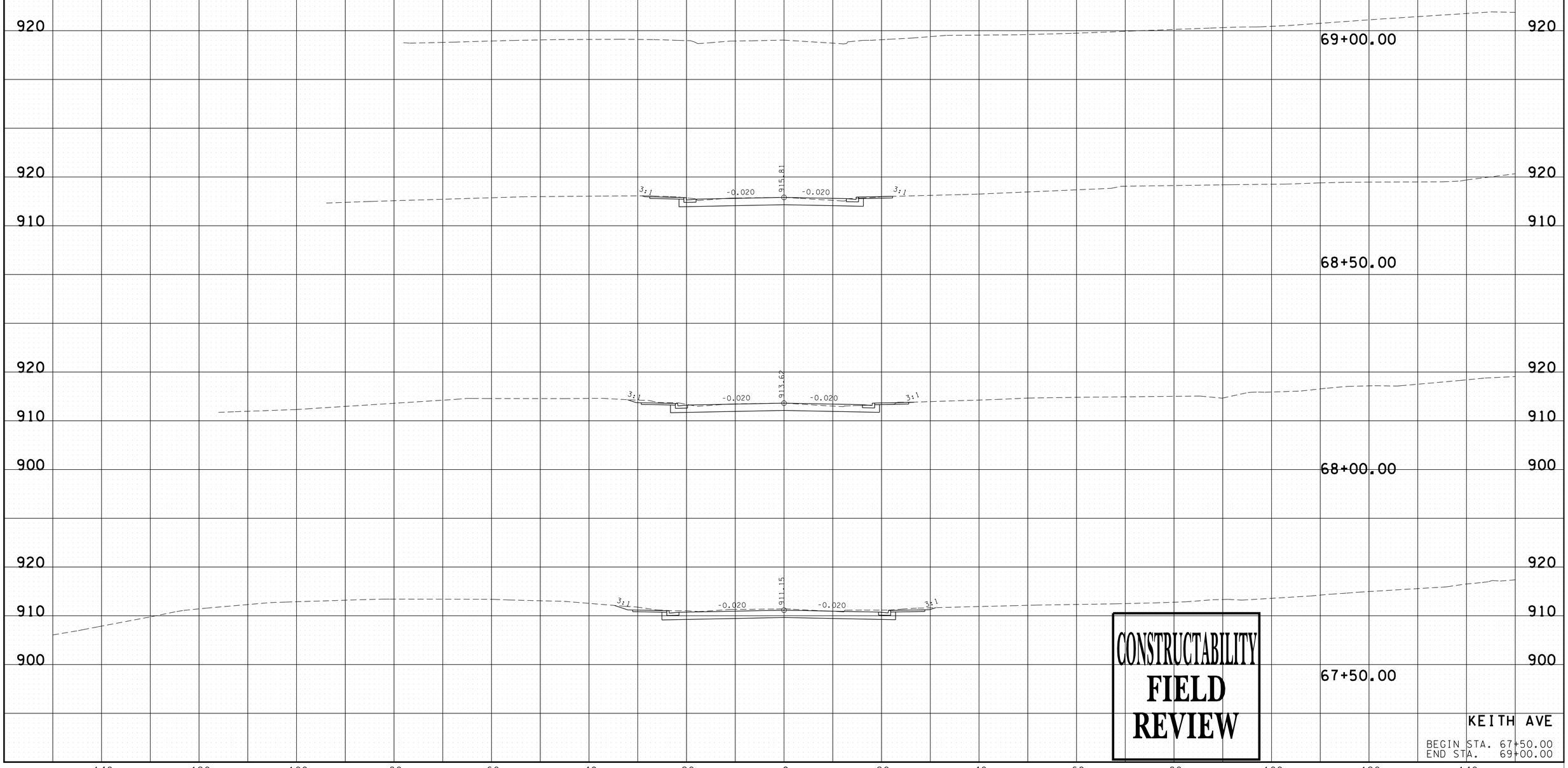
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	88
CONST.	2016	HPP/STP-62(34)	91

REV. 10-10-12: REVISED SHEET SECTION 67+50.00 AND ADDED 68+00.00 TO 69+00.00.

NO. REV. SECTIONS

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

KEITH AVE

BEGIN STA. 67+50.00
END STA. 69+00.00

5/4/2016 12:12:31 PM
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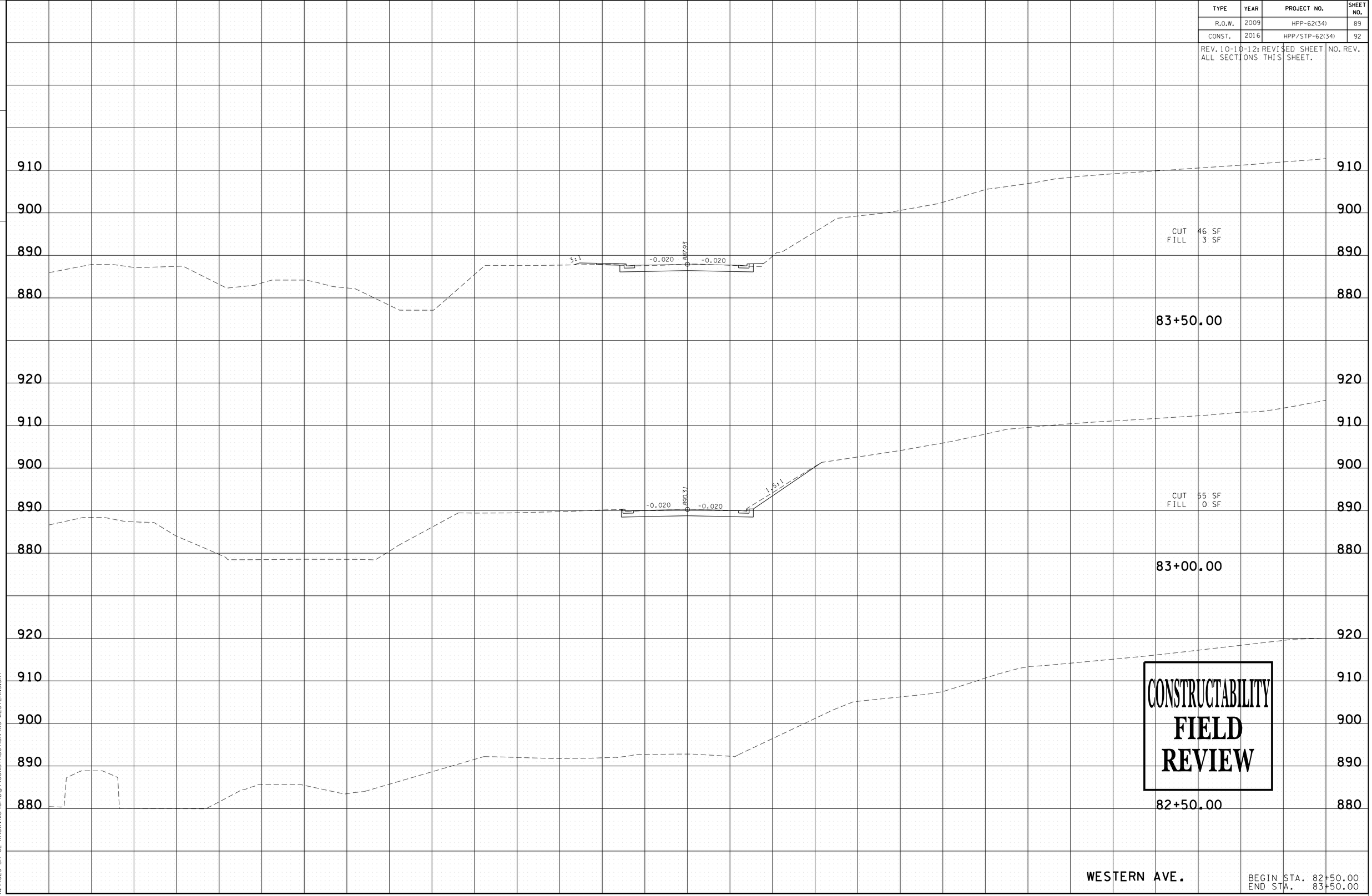
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	89
CONST.	2016	HPP/STP-62(34)	92

REV. 10-10-12: REVISED SHEET ALL SECTIONS THIS SHEET. NO. REV.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

WESTERN AVE.

BEGIN STA. 82+50.00
END STA. 83+50.00

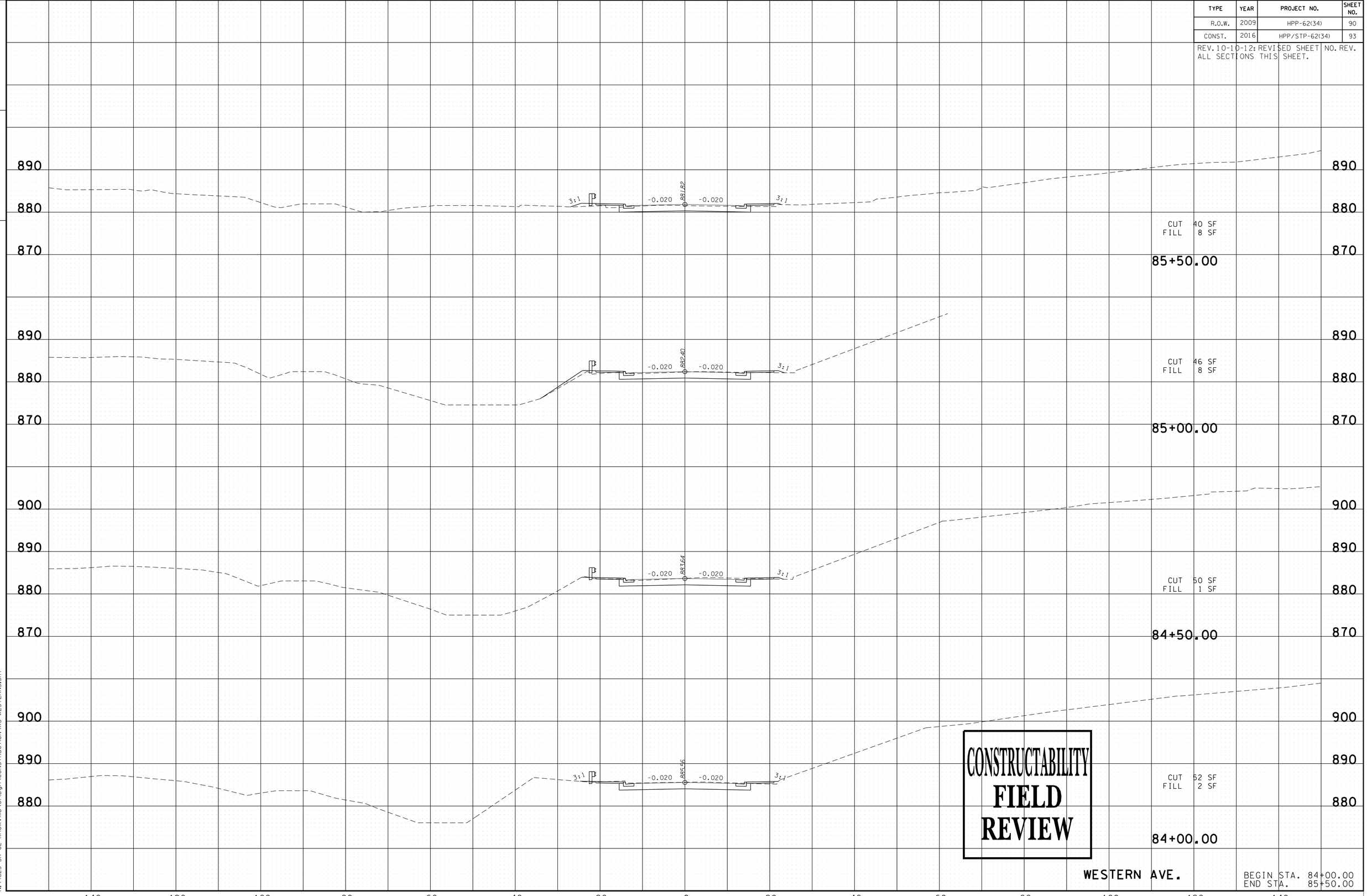
5/4/2016 12:12:32 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-WESTERN3.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	90
CONST.	2016	HPP/STP-62(34)	93

REV. 10-10-12: REVISED SHEET NO. REV.
ALL SECTIONS THIS SHEET.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

WESTERN AVE.

BEGIN STA. 84+00.00
END STA. 85+50.00

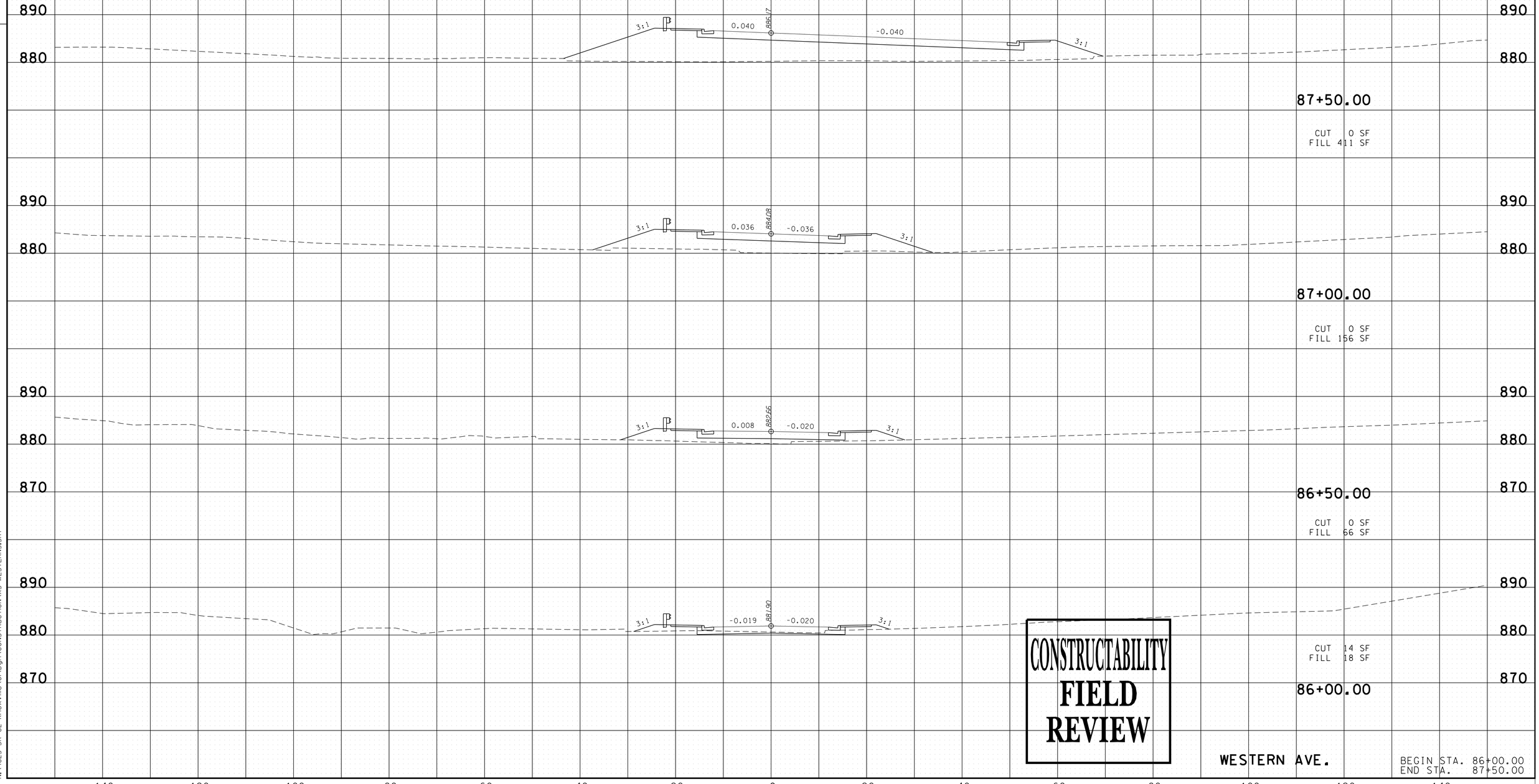
5/4/2016 12:12:33 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-WESTERN3.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	91
CONST.	2016	HPP/STP-62(34)	94

REV. 10-10-12: REVISED SHEET NO. REV.
ALL SECTIONS THIS SHEET.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

WESTERN AVE.

BEGIN STA. 86+00.00
END STA. 87+50.00

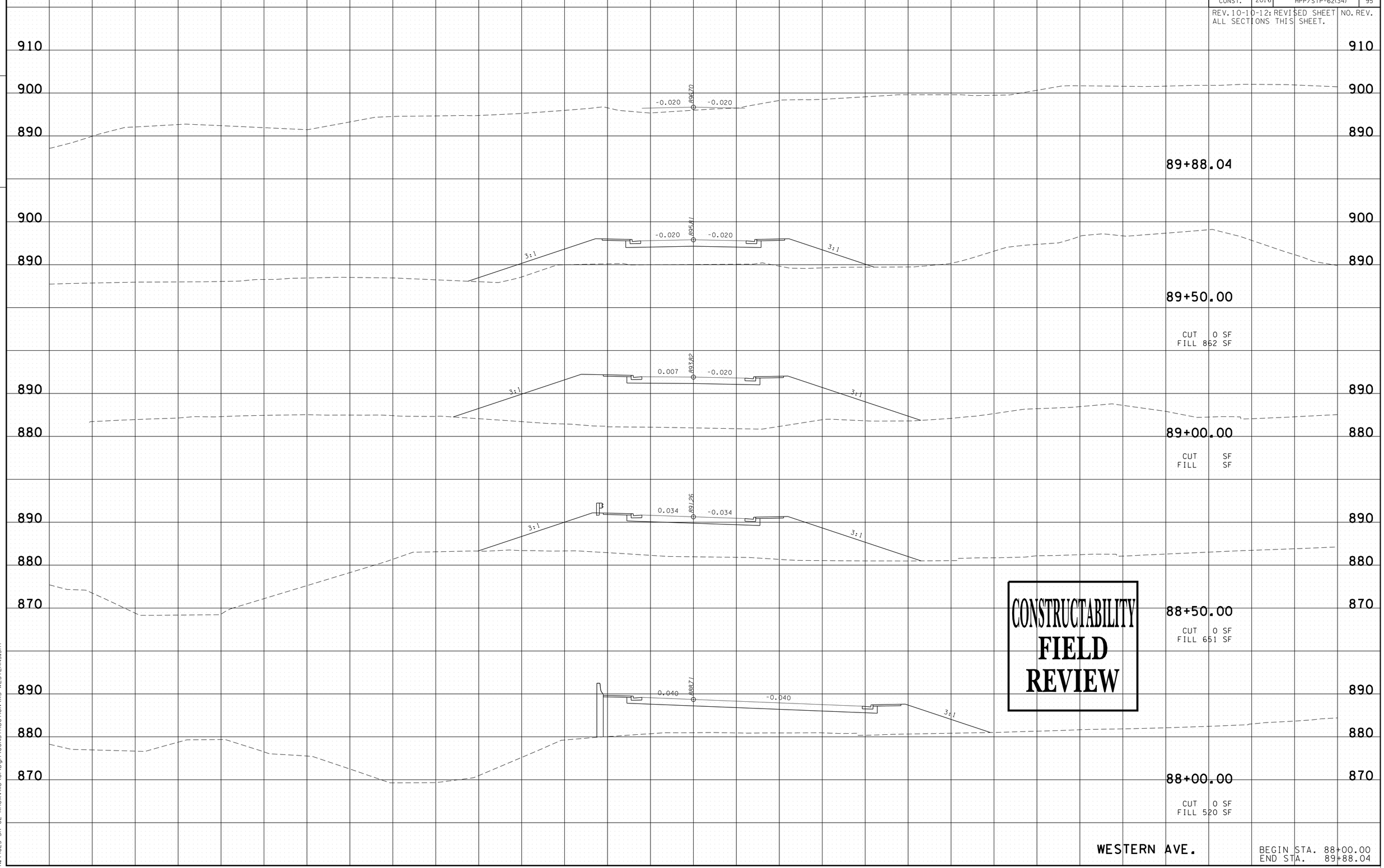
5/4/2016 12:12:33 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-WESTERN3.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	92
CONST.	2016	HPP/STP-62(34)	95

REV. 10-10-12: REVISED SHEET NO. REV.
ALL SECTIONS THIS SHEET.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

WESTERN AVE.

BEGIN STA. 88+00.00
END STA. 89+88.04

5/4/2016 12:12:34 PM
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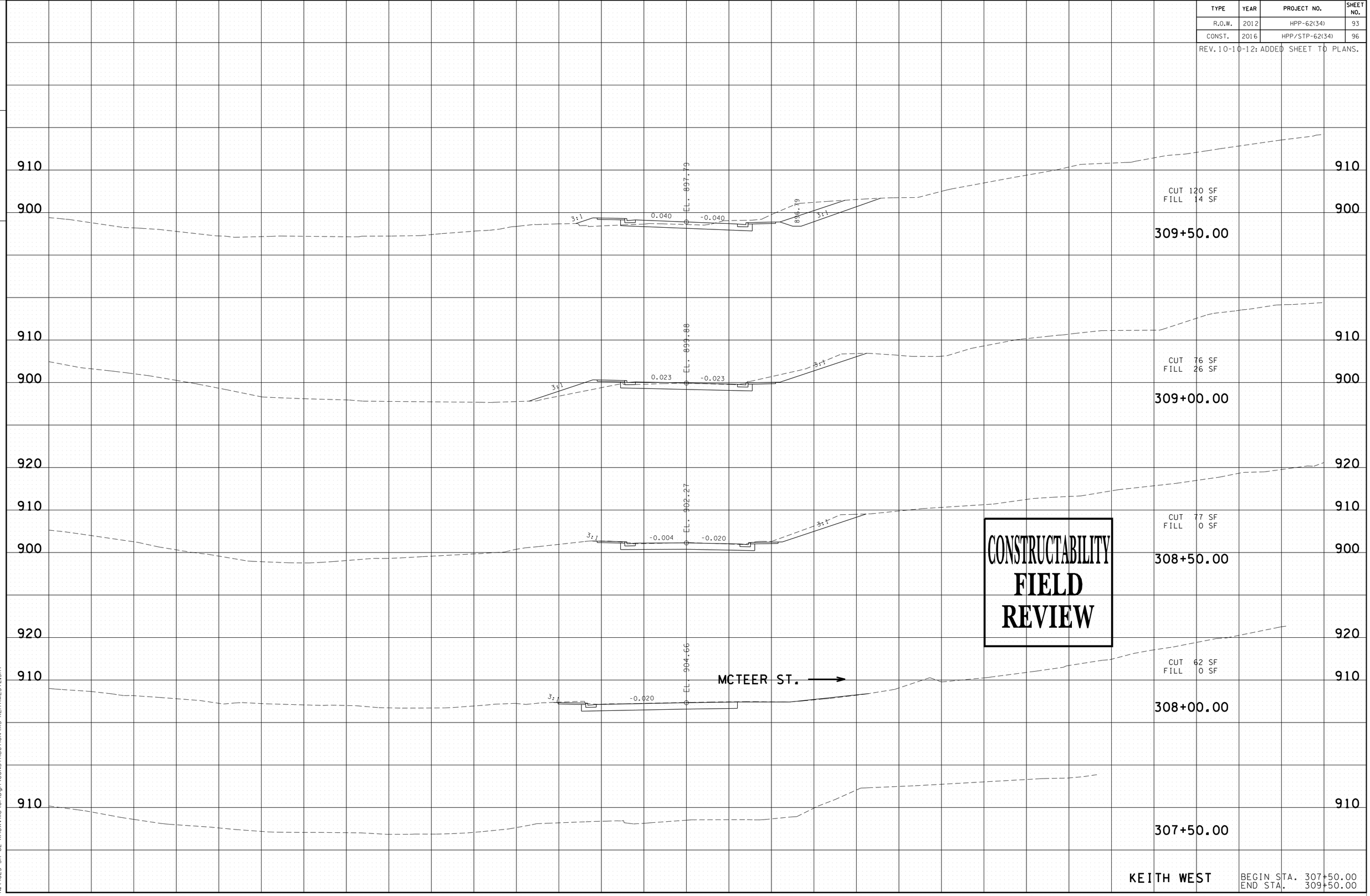
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	93
CONST.	2016	HPP/STP-62(34)	96

REV. 10-10-12: ADDED SHEET TO PLANS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

KEITH WEST

BEGIN STA. 307+50.00
END STA. 309+50.00

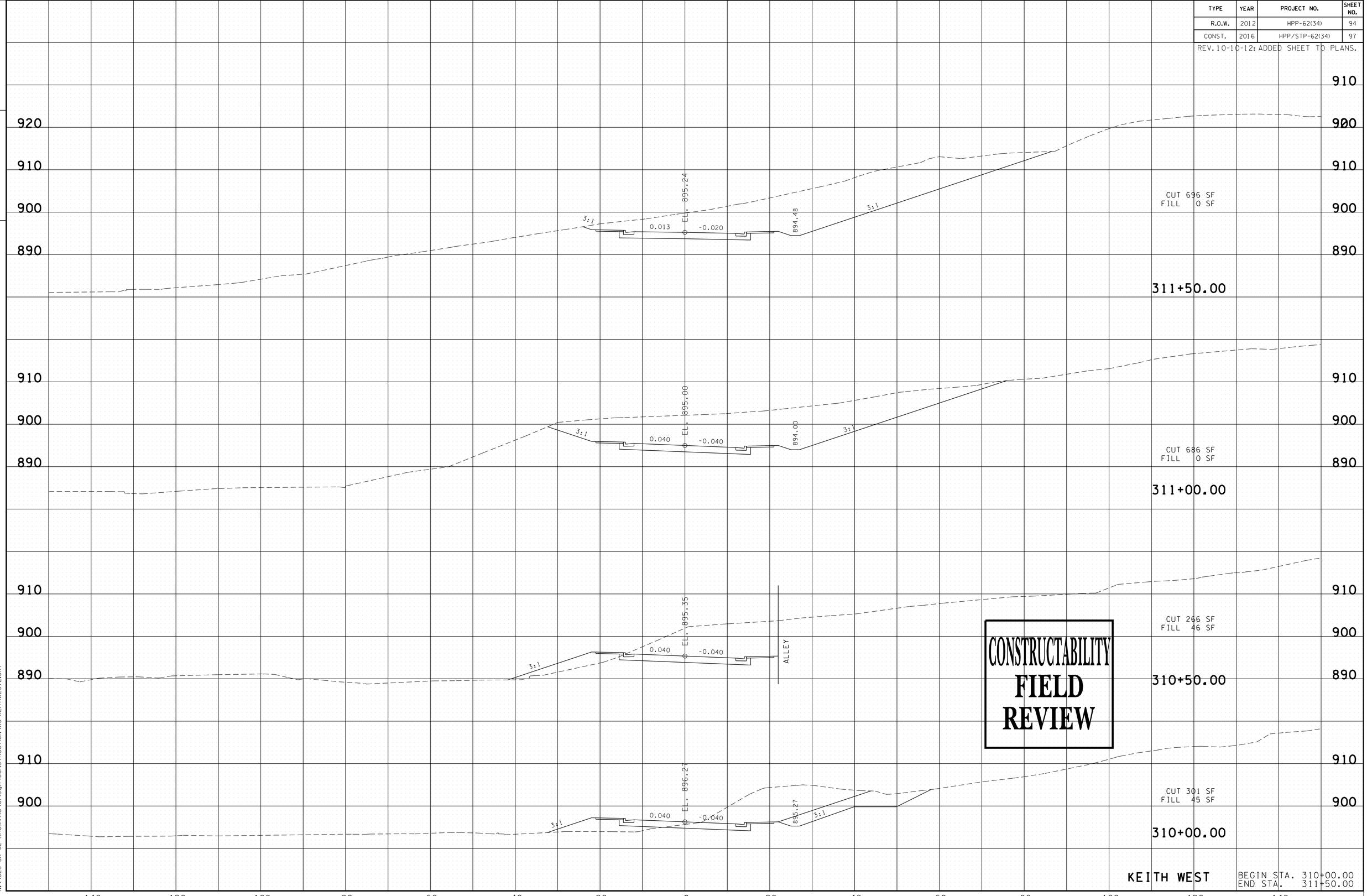
5/4/2016 12:21:35 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-KEITHWEST2.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	94
CONST.	2016	HPP/STP-62(34)	97

REV. 10-10-12: ADDED SHEET TO PLANS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

KEITH WEST

BEGIN STA. 310+00.00
END STA. 311+50.00

5/4/2016 12:12:36 PM
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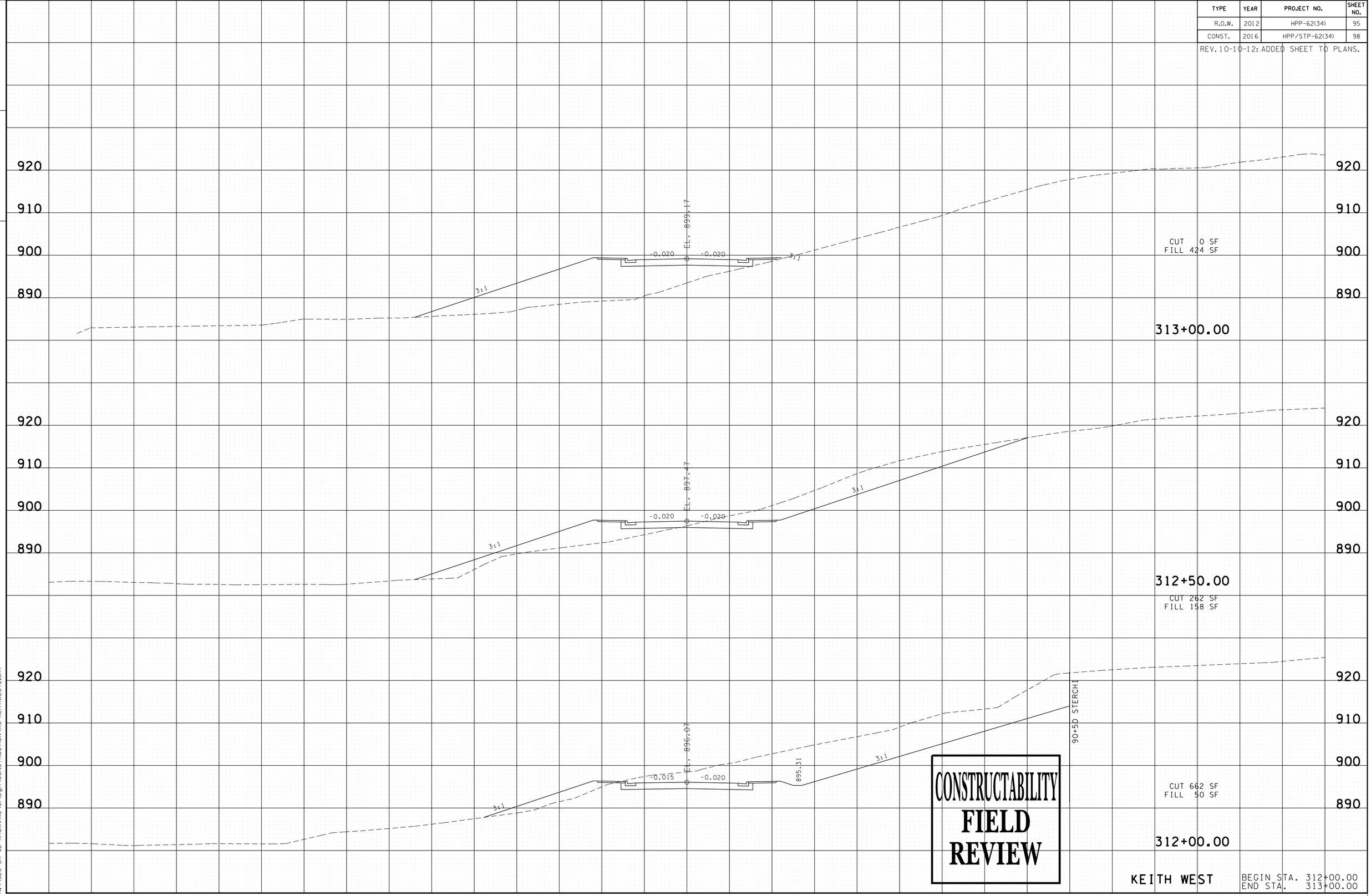
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	95
CONST.	2016	HPP/STP-62(34)	98

REV. 10-10-12: ADDED SHEET TO PLANS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

KEITH WEST

BEGIN STA. 312+00.00
END STA. 313+00.00

5/4/2016 12:12:37 PM
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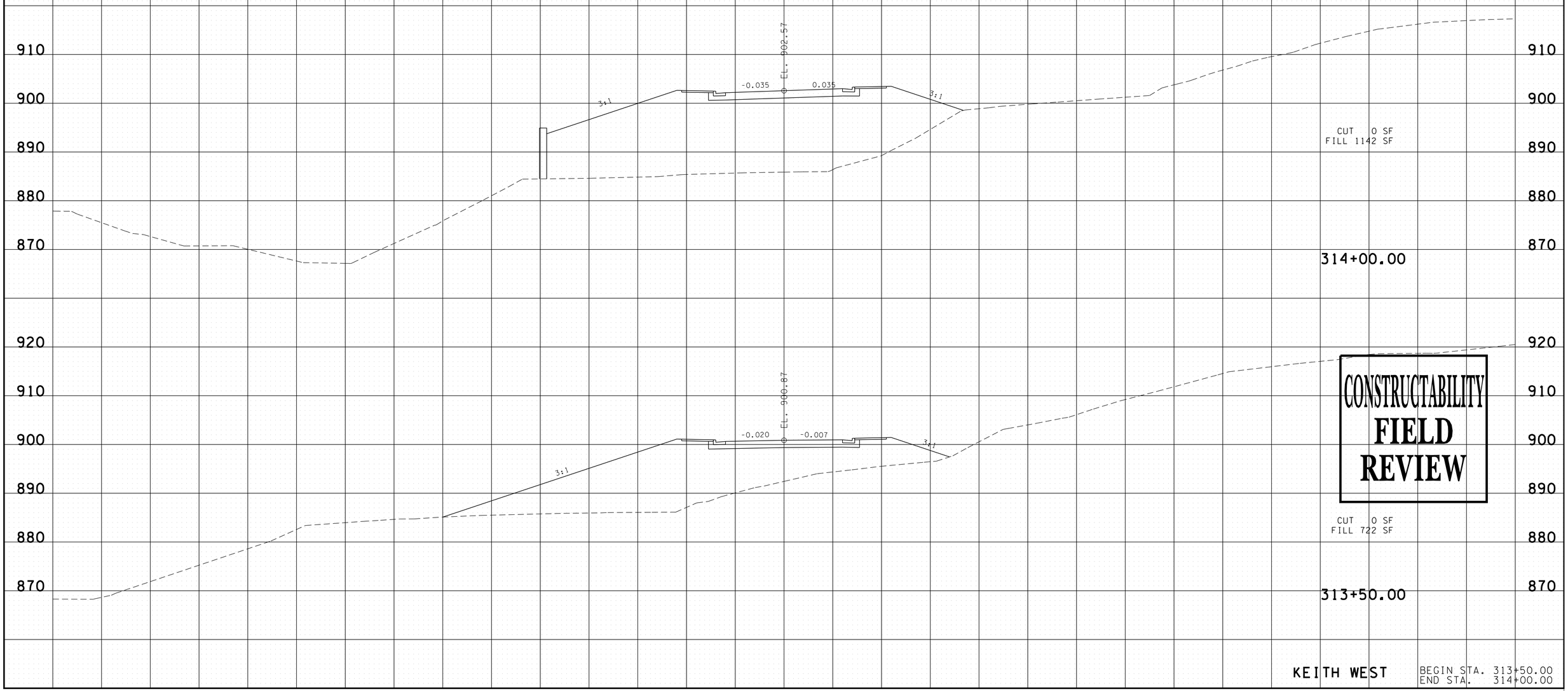
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	96
CONST.	2016	HPP/STP-62(34)	99

REV. 10-10-12: ADDED SHEET TO PLANS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

KEITH WEST

BEGIN STA. 313+50.00
END STA. 314+00.00

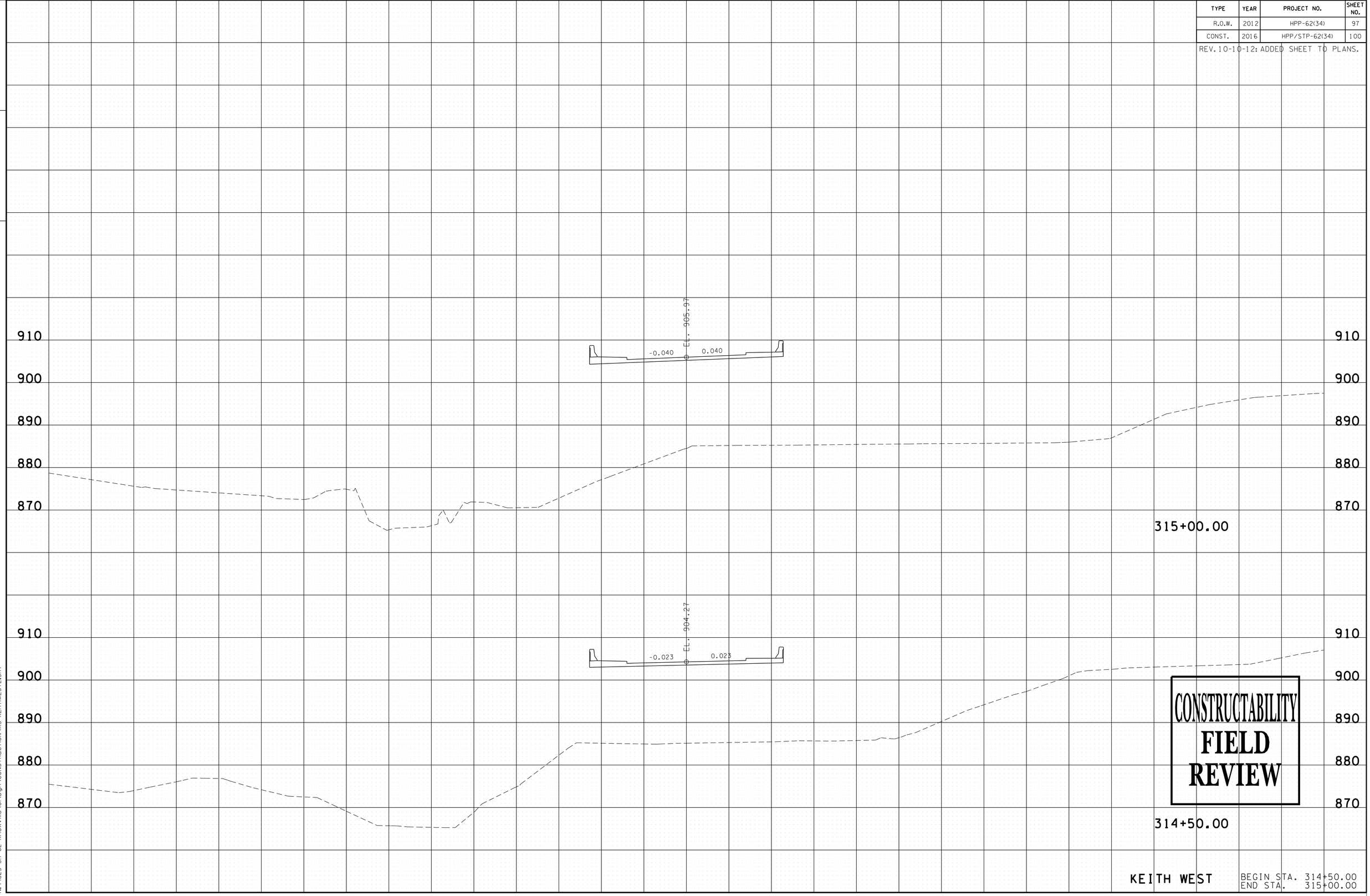
5/4/2016 12:12:41 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-KEITHWEST2.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	97
CONST.	2016	HPP/STP-62(34)	100

REV. 10-10-12: ADDED SHEET TO PLANS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

KEITH WEST

BEGIN STA. 314+50.00
END STA. 315+00.00

5/4/2016 12:12:40 PM
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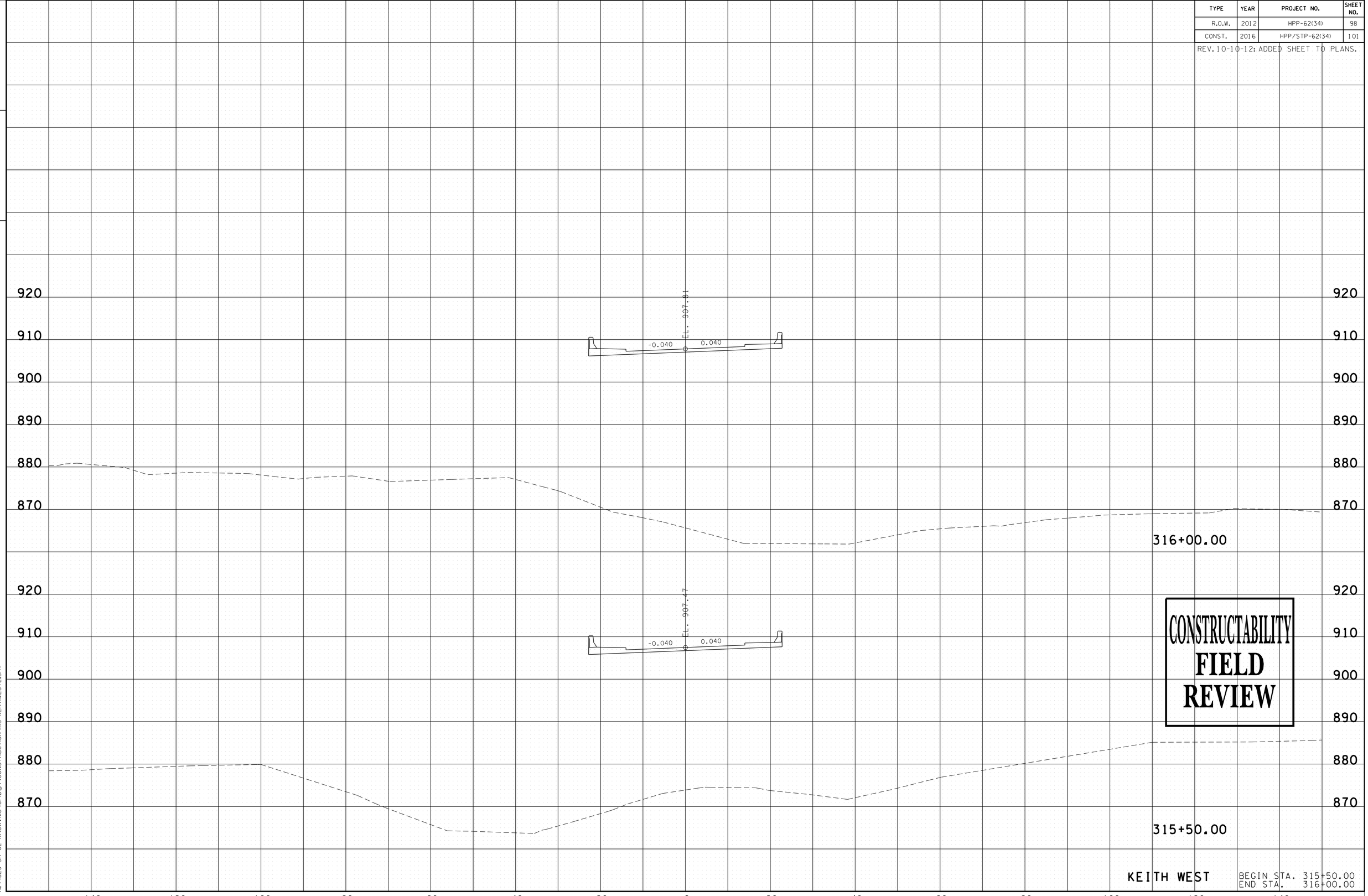
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	98
CONST.	2016	HPP/STP-62(34)	101

REV. 10-10-12: ADDED SHEET TO PLANS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

KEITH WEST

BEGIN STA. 315+50.00
END STA. 316+00.00

5/4/2016 12:12:38 PM
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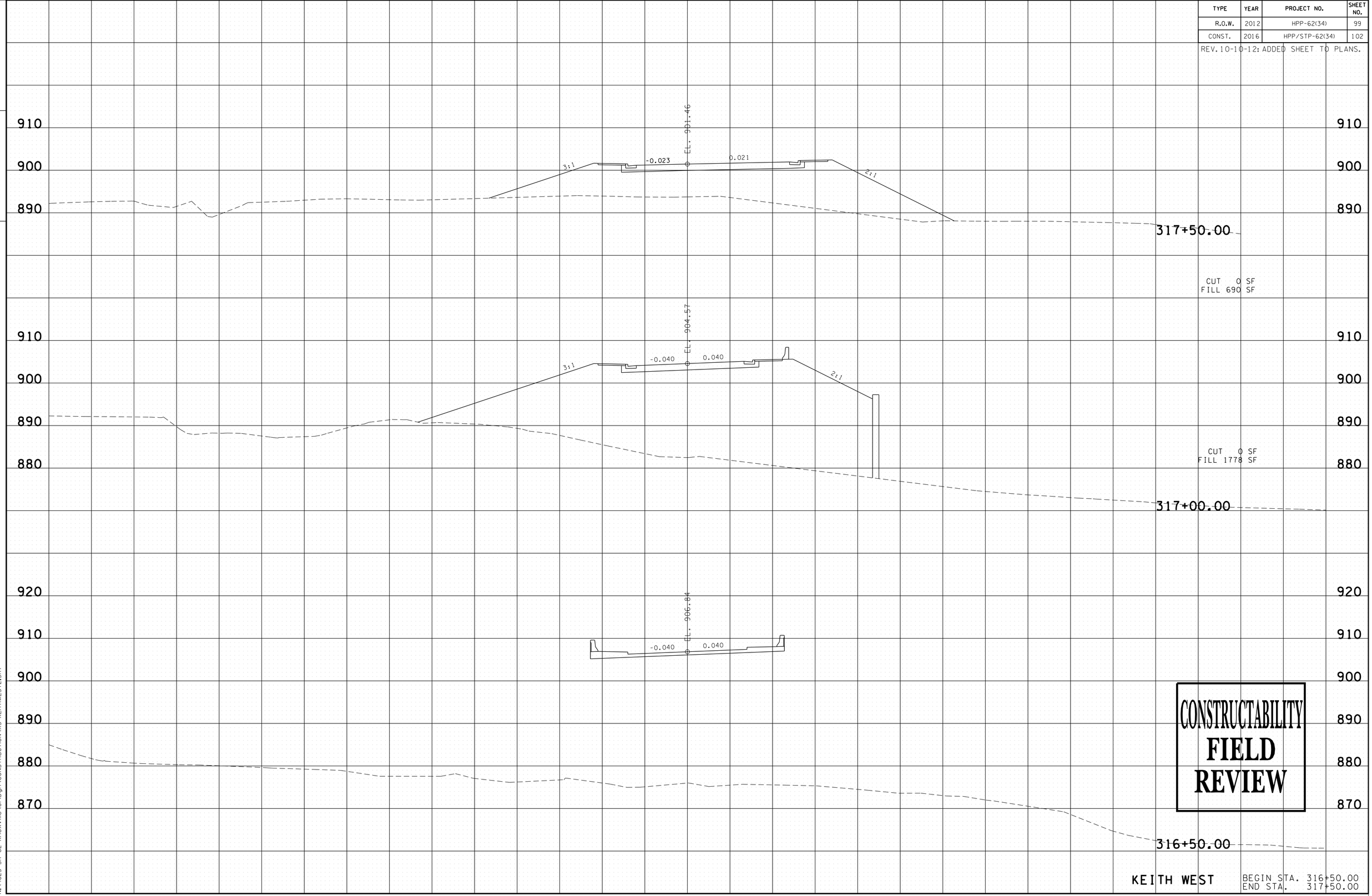
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	99
CONST.	2016	HPP/STP-62(34)	102

REV. 10-10-12: ADDED SHEET TO PLANS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

KEITH WEST

BEGIN STA. 316+50.00
END STA. 317+50.00

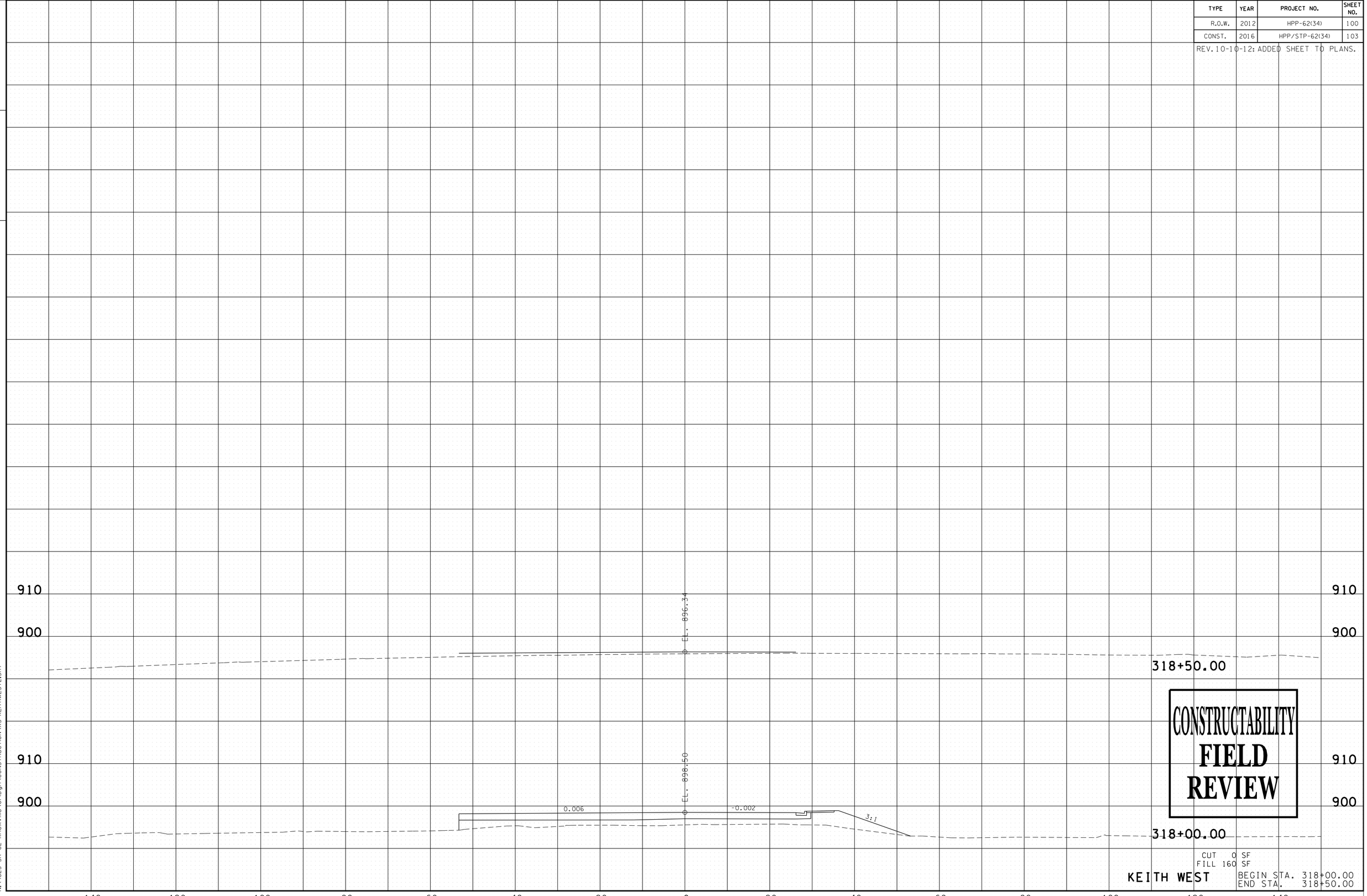
5/4/2016 12:12:39 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-KEITHWEST2.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	100
CONST.	2016	HPP/STP-62(34)	103

REV. 10-10-12: ADDED SHEET TO PLANS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



CONSTRUCTABILITY
FIELD
REVIEW

CUT 0 SF
FILL 160 SF

KEITH WEST

BEGIN STA. 318+00.00
END STA. 318+50.00

5/4/2016 12:12:39 PM
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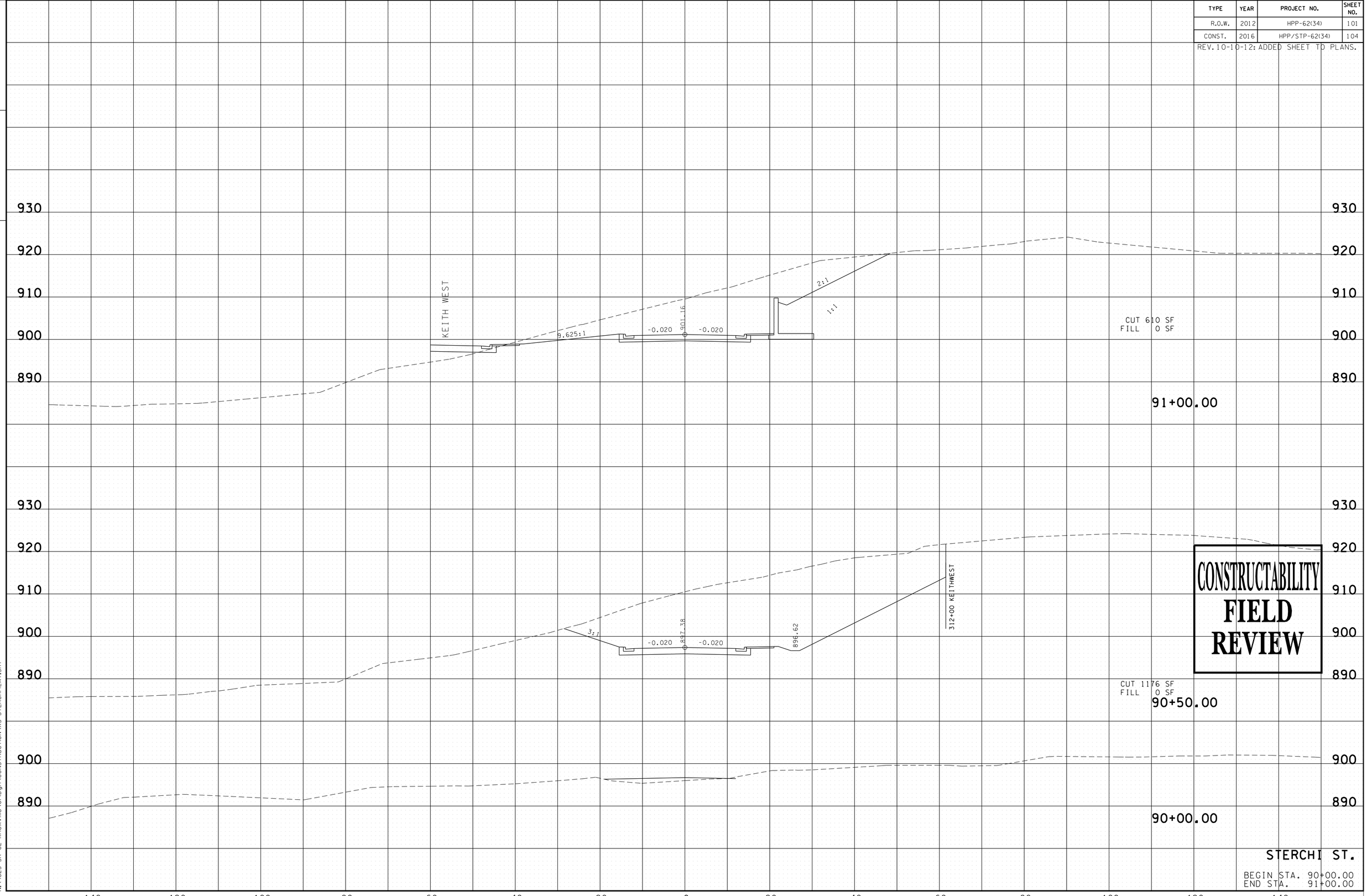
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	101
CONST.	2016	HPP/STP-62(34)	104

REV. 10-10-12: ADDED SHEET TO PLANS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

STERCHI ST.

BEGIN STA. 90+00.00
END STA. 91+00.00

5/4/2016 12:12:42 PM
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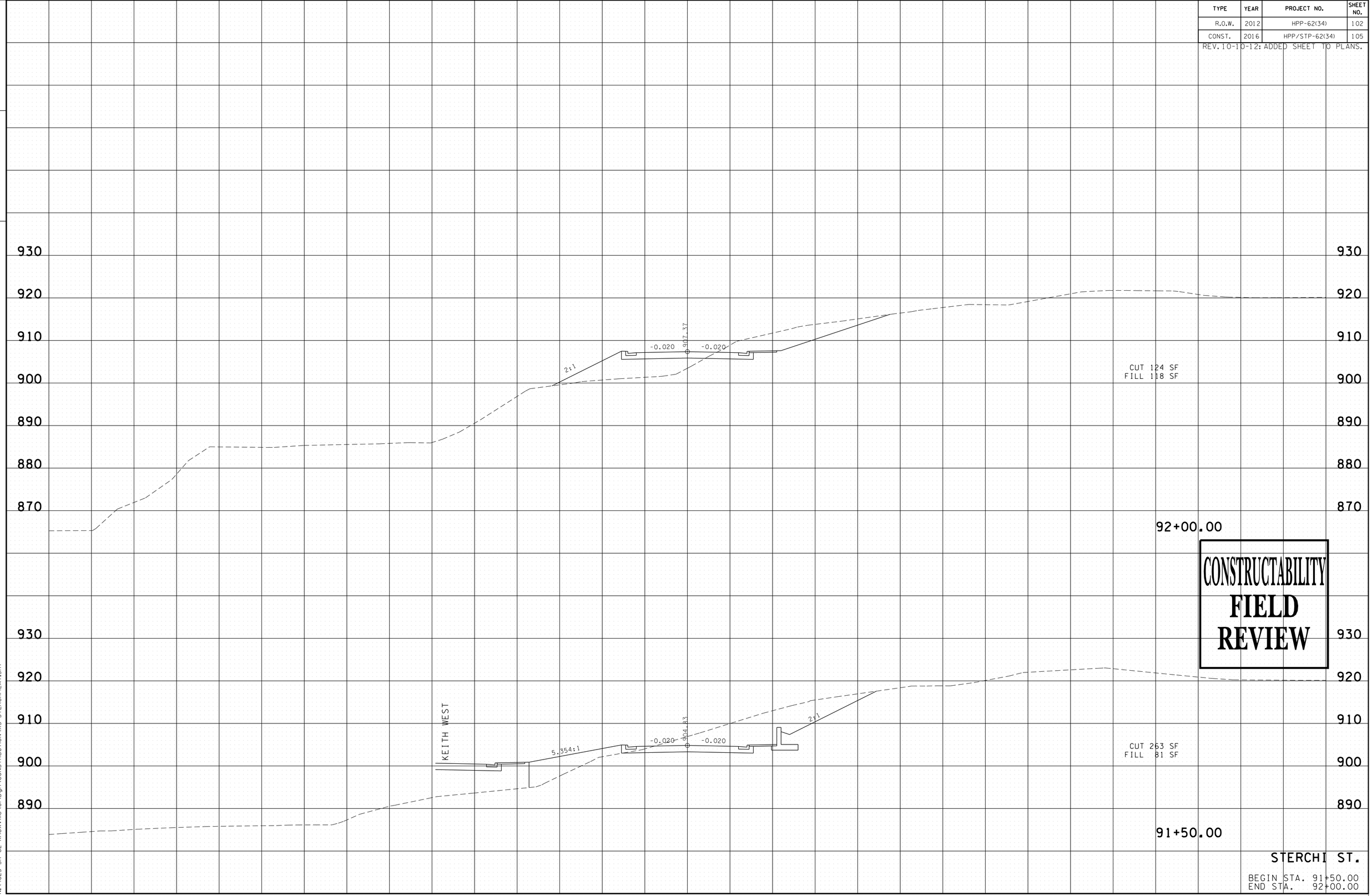
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	102
CONST.	2016	HPP/STP-62(34)	105

REV. 10-10-12: ADDED SHEET TO PLANS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



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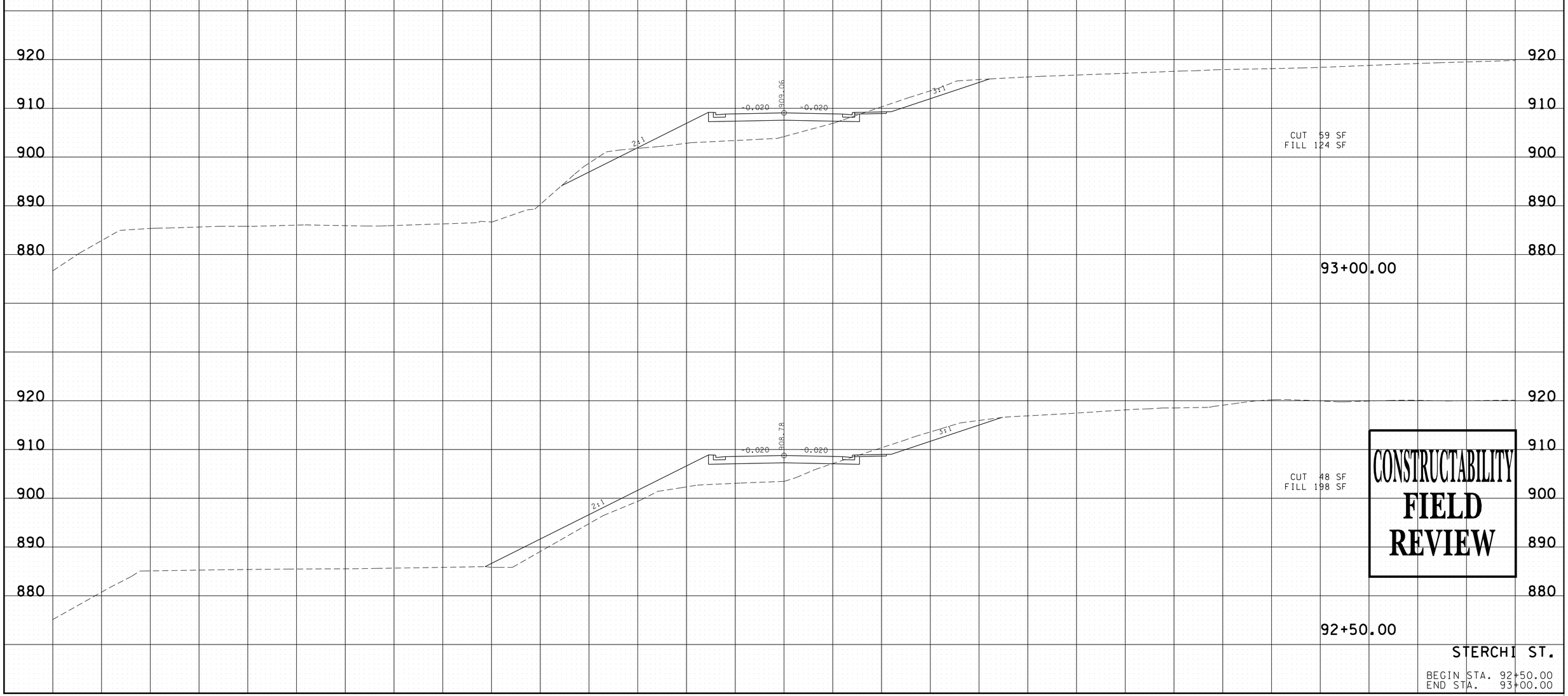
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	103
CONST.	2016	HPP/STP-62(34)	106

REV. 10-10-12: ADDED SHEET TO PLANS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

STERCHI ST.

BEGIN STA. 92+50.00
END STA. 93+00.00

5/4/2016 12:12:43 PM
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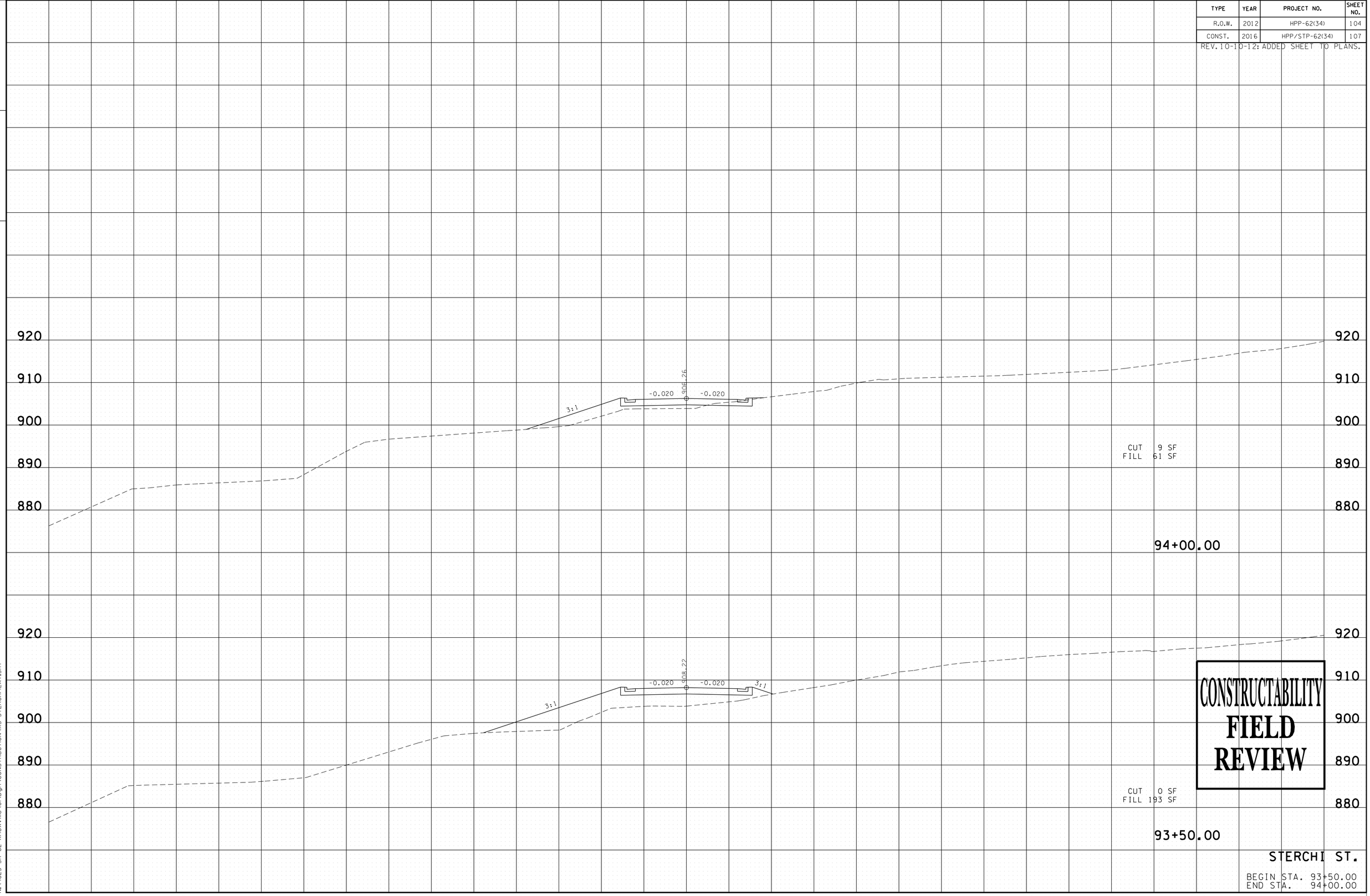
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	104
CONST.	2016	HPP/STP-62(34)	107

REV. 10-10-12: ADDED SHEET TO PLANS.

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



CONSTRUCTABILITY FIELD REVIEW

STERCHI ST.

BEGIN STA. 93+50.00
END STA. 94+00.00

5/4/2016 12:12:44 PM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	HPP-62(34)	105
CONST.	2016	HPP/STP-62(34)	108

REV. 10-10-12: ADDED SHEET TO PLANS.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION

CONSTRUCTABILITY
FIELD
REVIEW

STERCHI ST.

BEGIN STA. 94+50.00
END STA. 95+00.00

5/4/2016 12:12:45 PM
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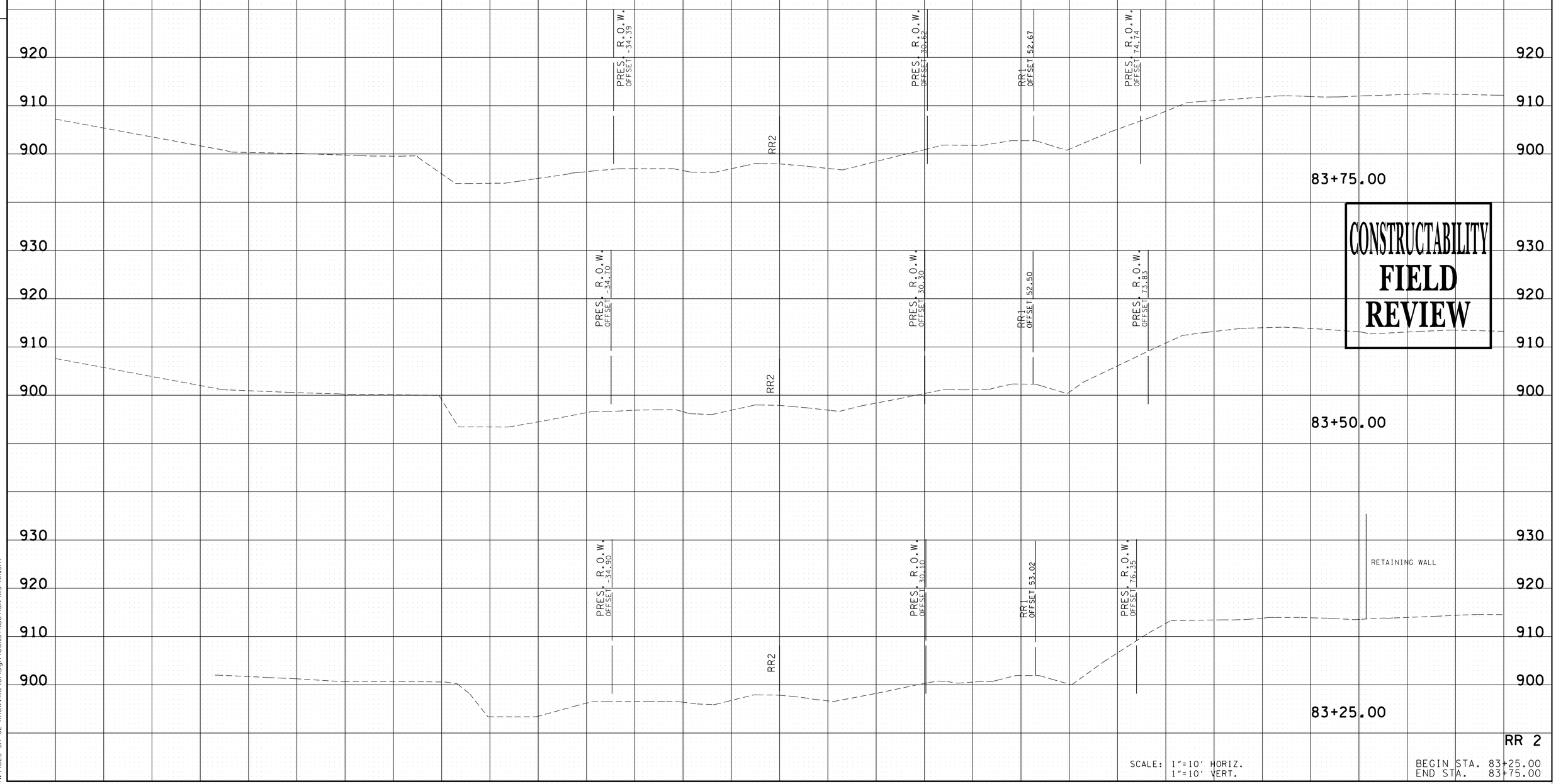
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	106
CONST.	2016	HPP/STP-62(34)	109

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

RR 2

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

BEGIN STA. 83+25.00
END STA. 83+75.00

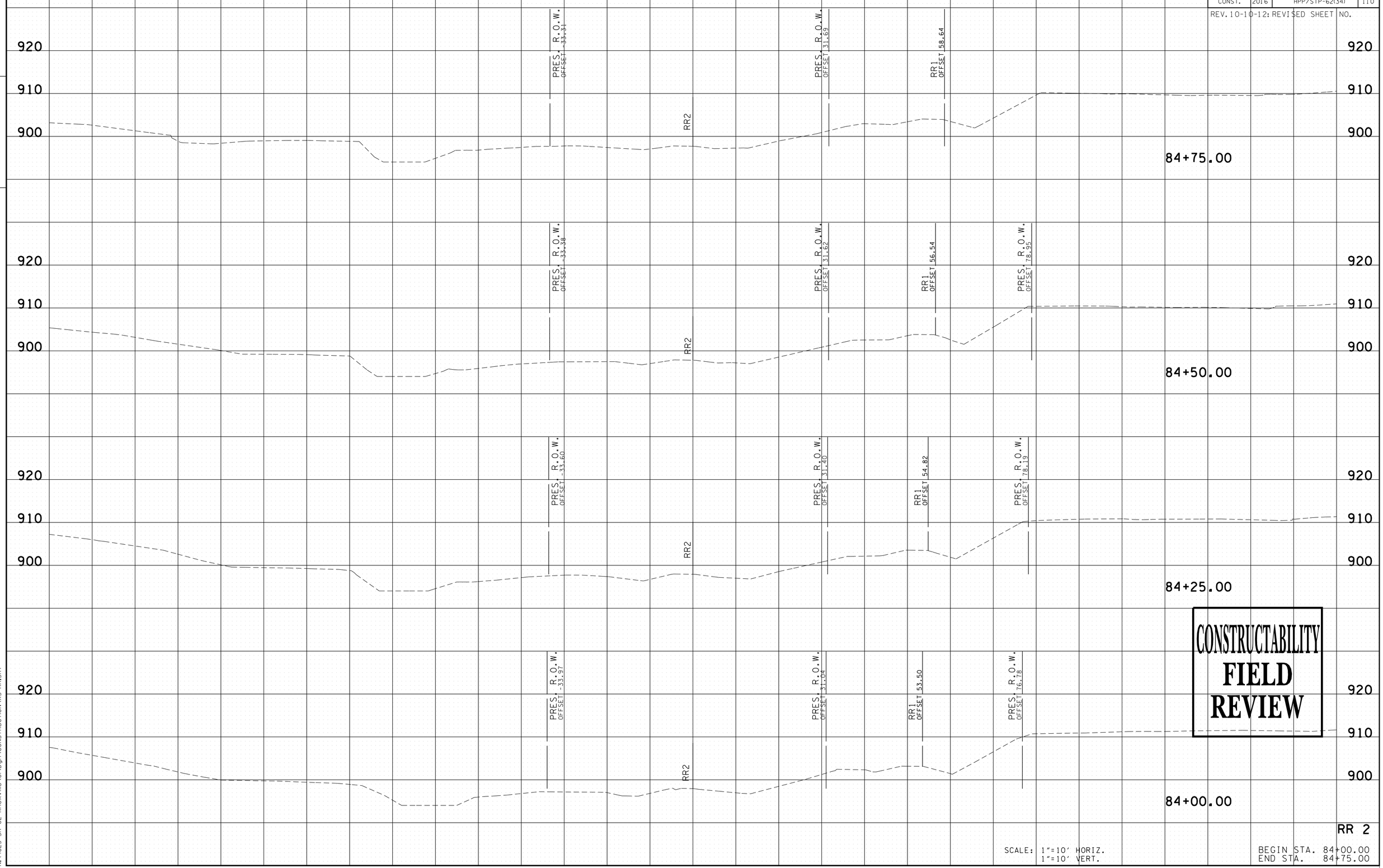
5/4/2016 12:12:46 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-RR.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	107
CONST.	2016	HPP/STP-62(34)	110

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

RR 2

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

BEGIN STA. 84+00.00
END STA. 84+75.00

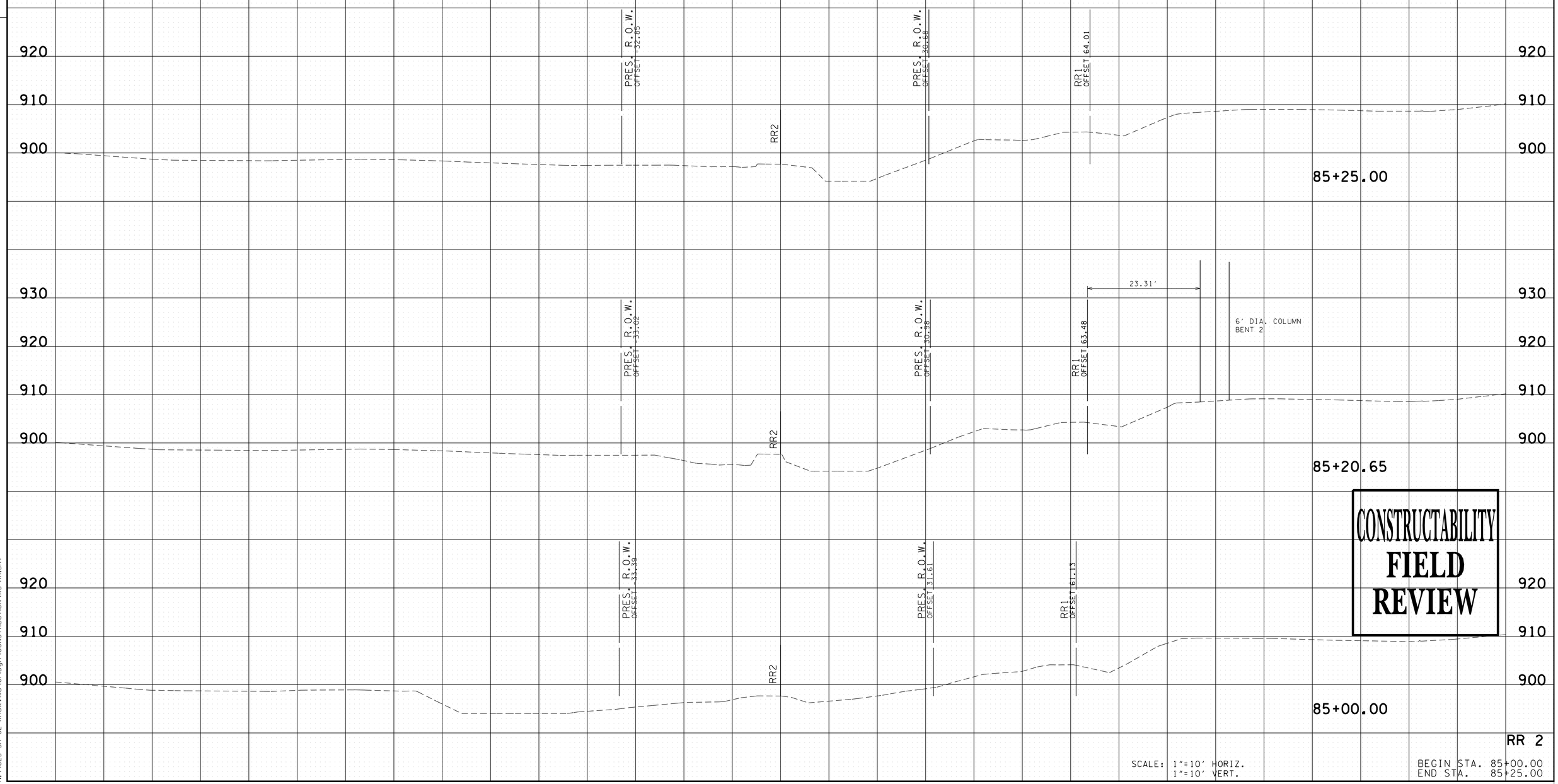
5/4/2016 12:12:46 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-RR.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	108
CONST.	2016	HPP/STP-62(34)	111

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

RR 2

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

BEGIN STA. 85+00.00
END STA. 85+25.00

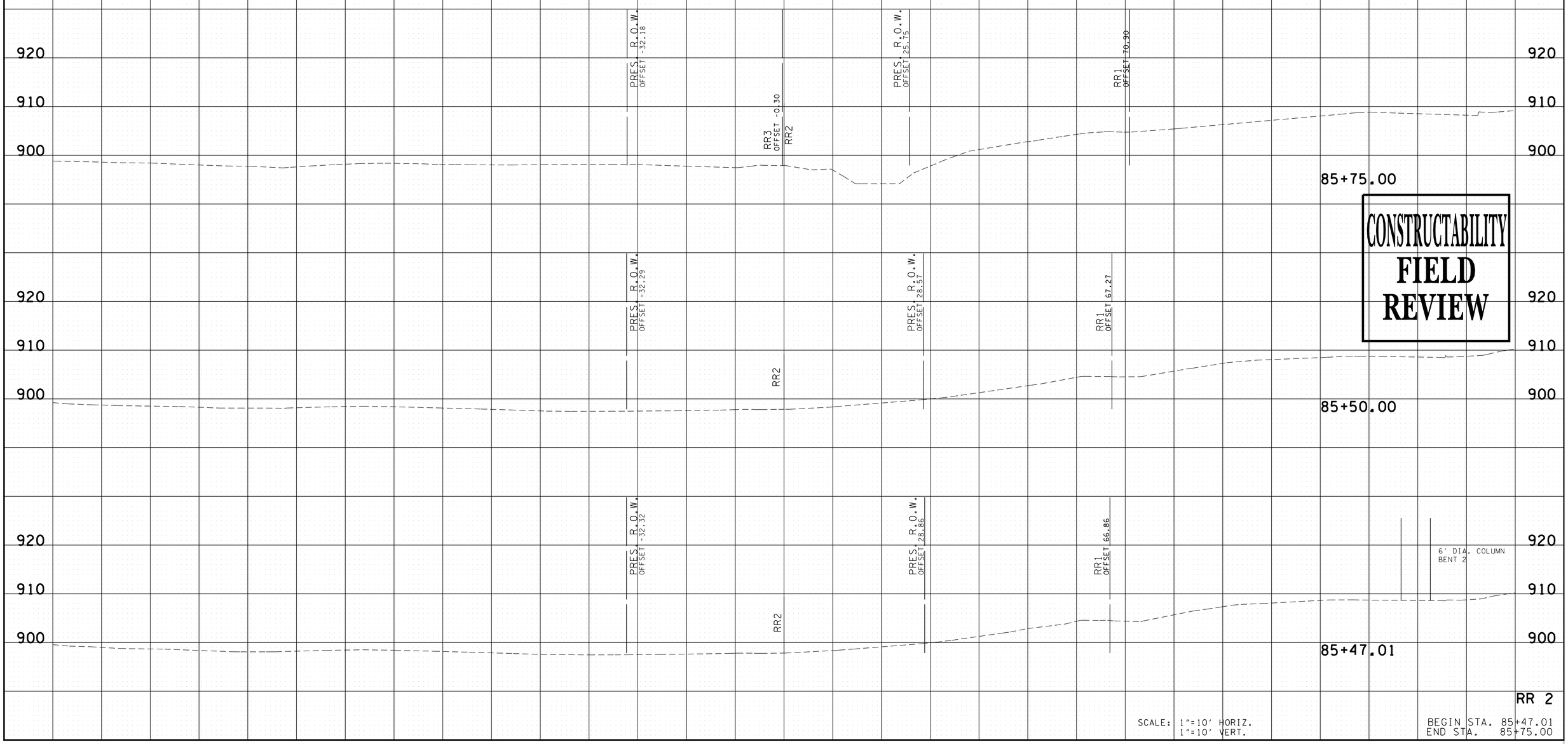
5/4/2016 12:12:47 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-RR.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	109
CONST.	2016	HPP/STP-62(34)	112

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

RR 2

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

BEGIN STA. 85+47.01
END STA. 85+75.00

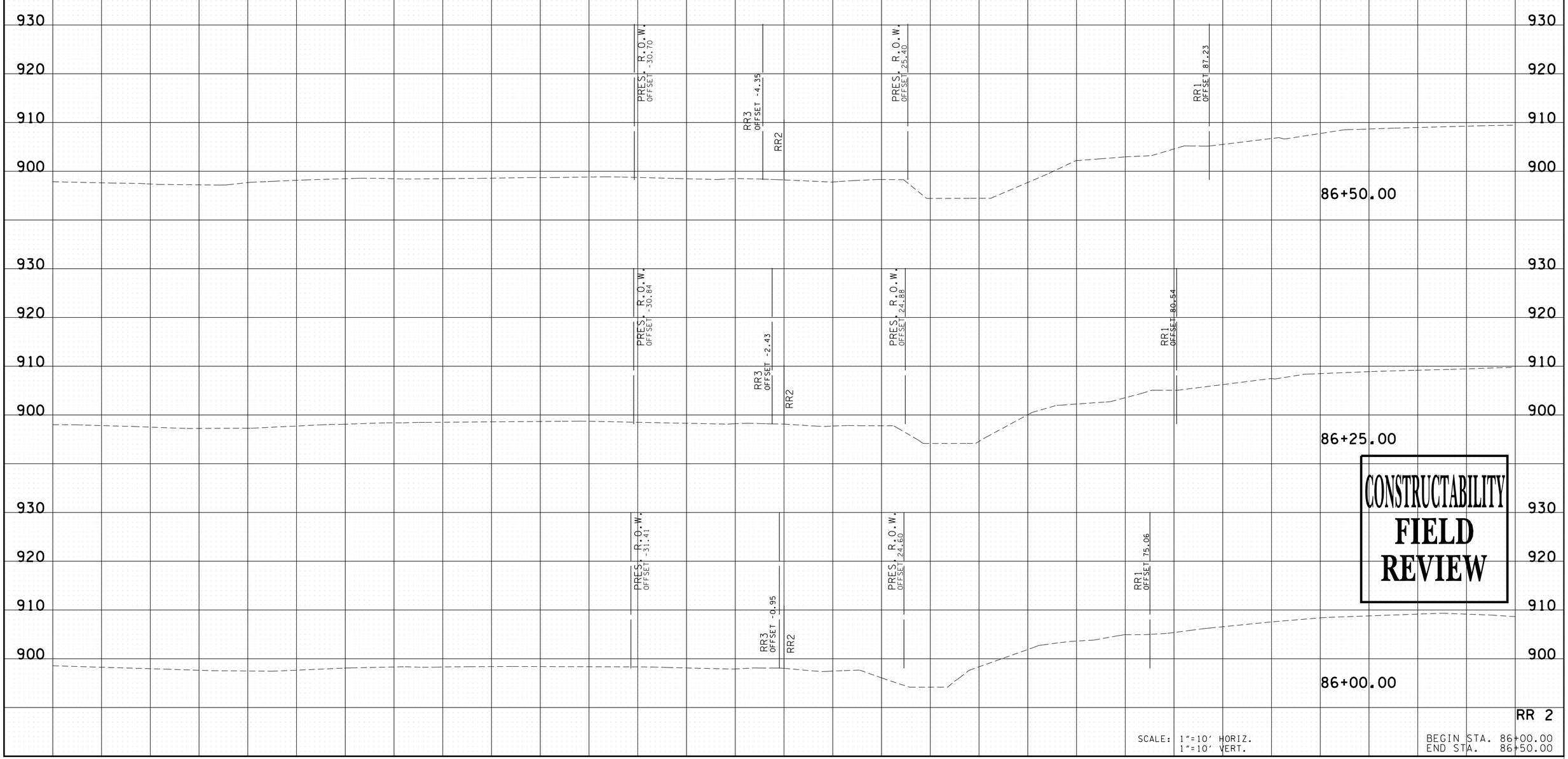
5/4/2016 12:12:48 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-RR.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	110
CONST.	2016	HPP/STP-62(34)	113

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

RR 2

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

BEGIN STA. 86+00.00
END STA. 86+50.00

5/4/2016 12:12:48 PM
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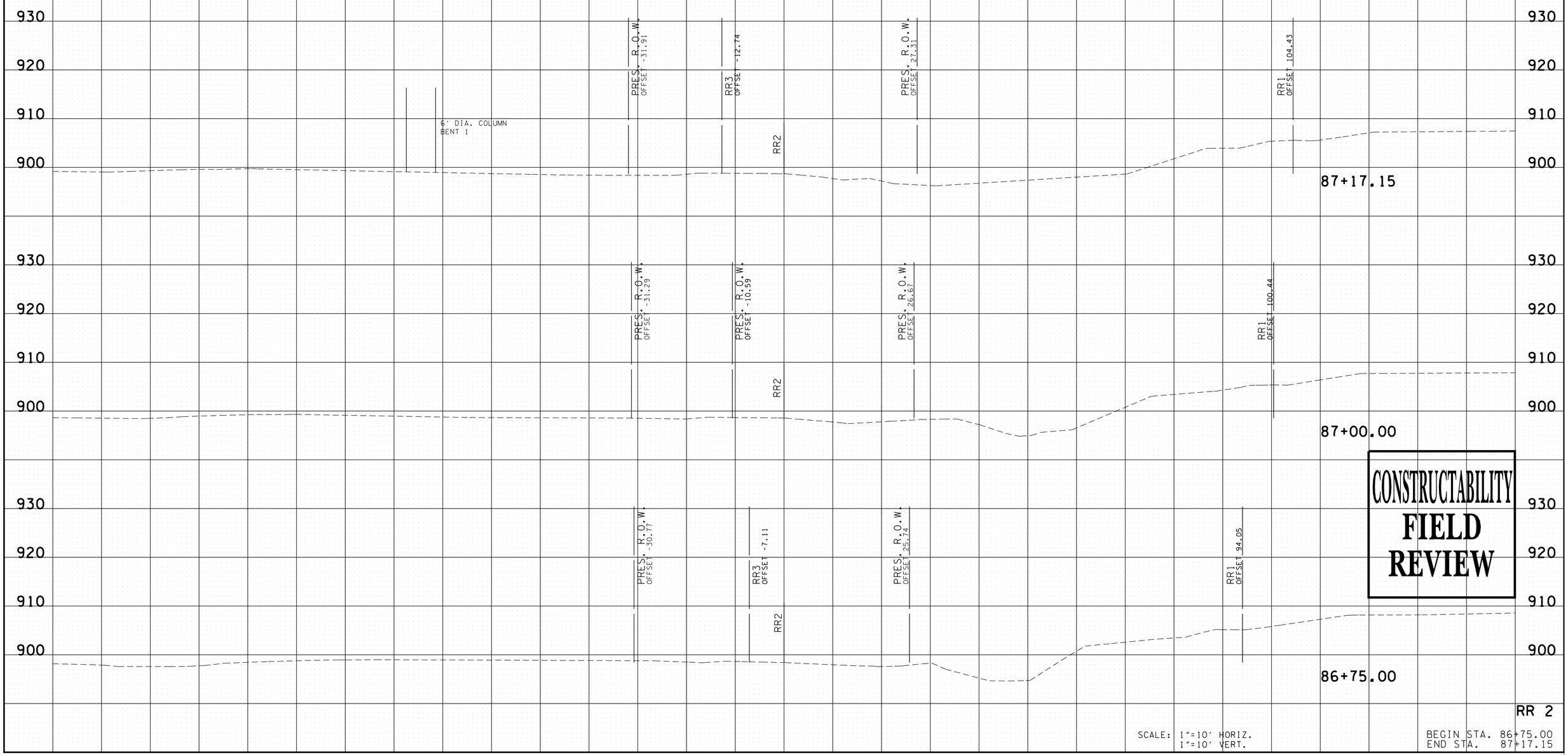
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	111
CONST.	2016	HPP/STP-62(34)	114

REV.10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

RR 2

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

BEGIN STA. 86+75.00
END STA. 87+17.15

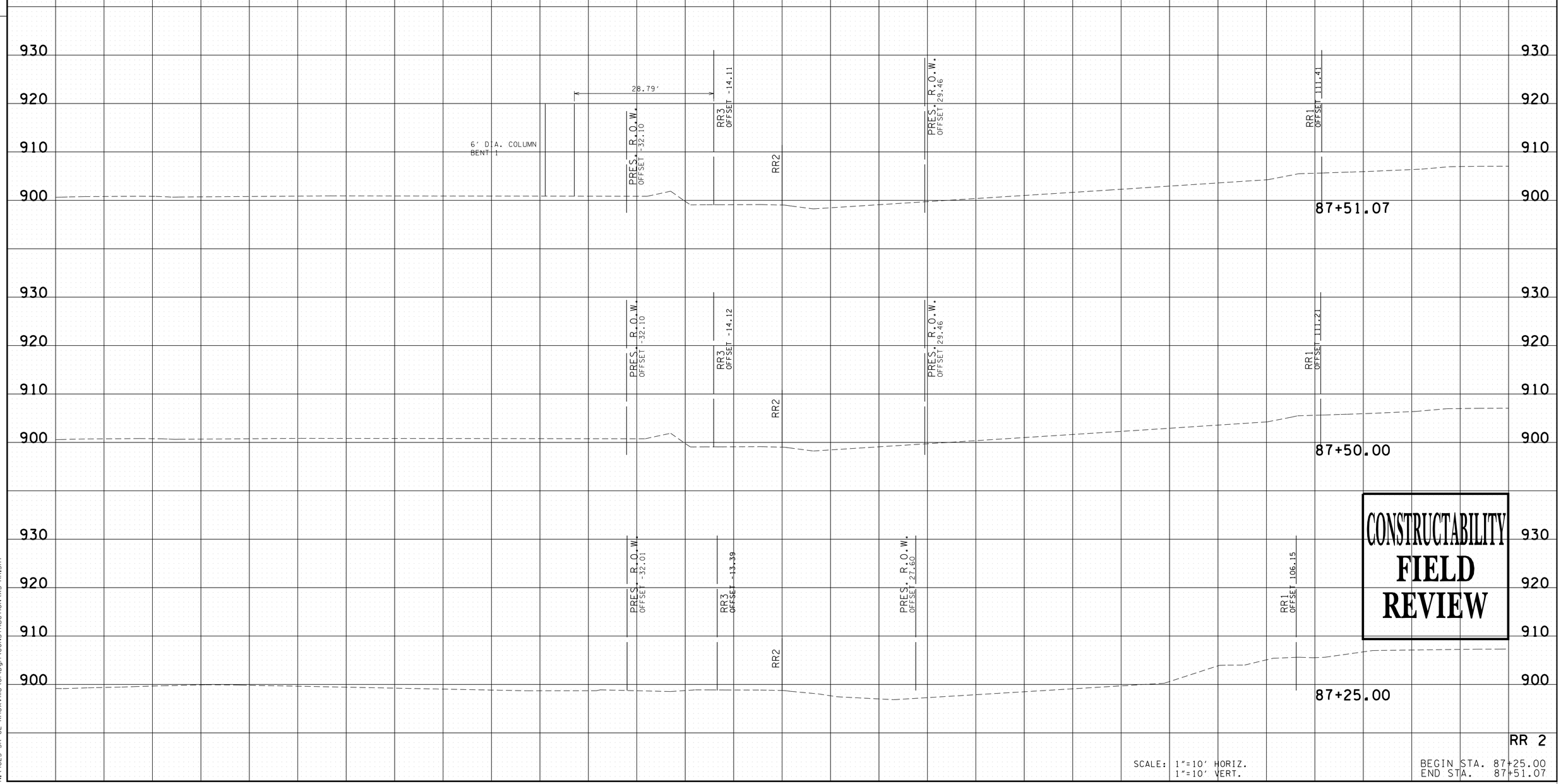
5/4/2016 12:2:49 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-RR.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	112
CONST.	2016	HPP/STP-62(34)	115

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY
FIELD
REVIEW

RR 2

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

BEGIN STA. 87+25.00
END STA. 87+51.07

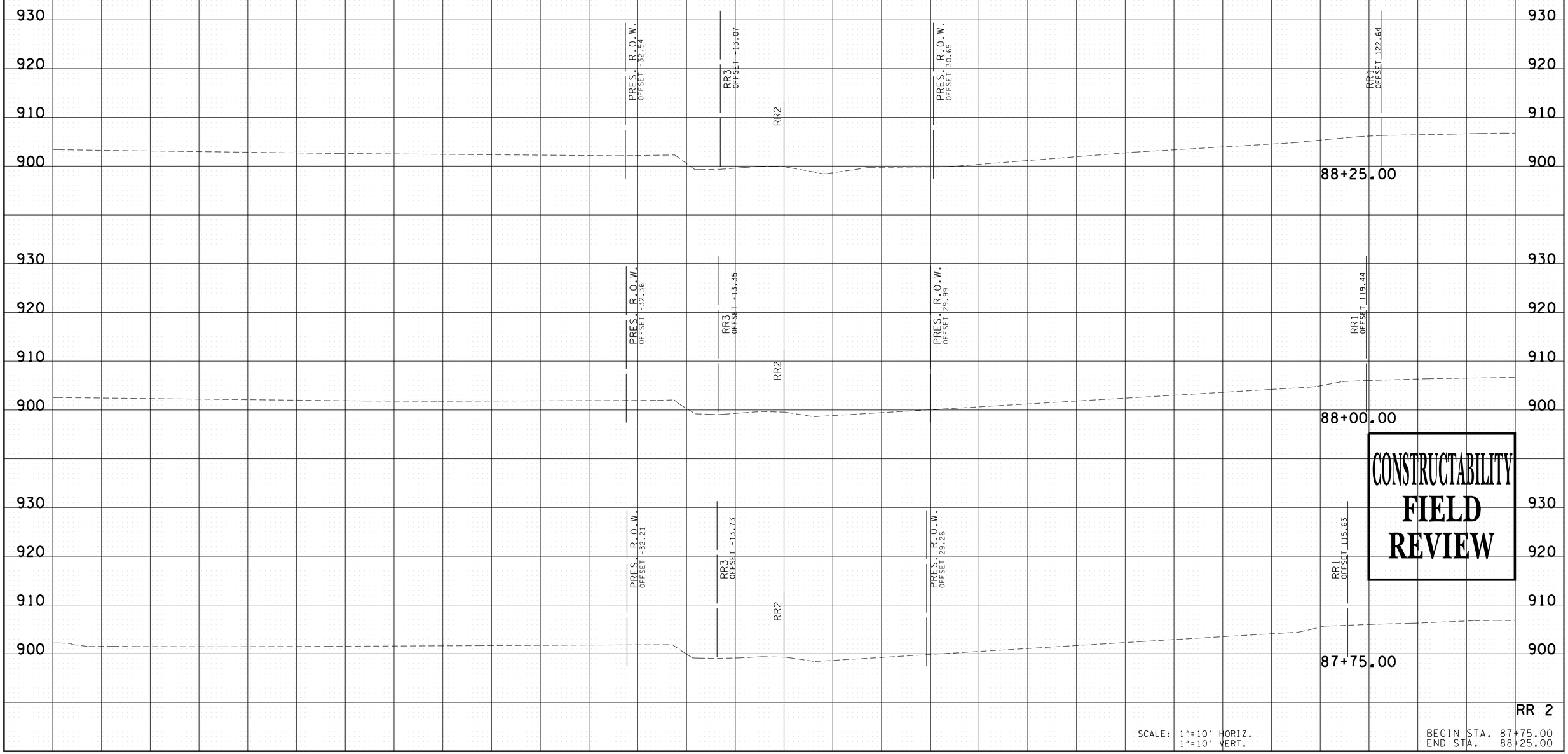
5/4/2016 12:2:50 PM
N:\4823 SR 62 Knoxville\01\Dgn\CONSTRUCTION\XS-RR.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	HPP-62(34)	113
CONST.	2016	HPP/STP-62(34)	116

REV. 10-10-12: REVISED SHEET NO.

FILE NO.

TENNESSEE D.O.T.
DESIGN DIVISION



CONSTRUCTABILITY FIELD REVIEW

RR 2

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

BEGIN STA. 87+75.00
END STA. 88+25.00

5/4/2016 12:2:50 PM
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