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HMB PROFESSIONAL ENGINEERS, LLC
201 E. MAIN STREET
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MURFREESBORO, TN
NEAL MCCLATCHEY, P.E. NO. 122188

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE OF TENN. CODE ANN. §62-2-306.

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	ROADWAY-SIGN3
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ESTIMATED ROADWAY QUANTITIES	2, 2-1, 2-2, 2-3
ESTIMATED BOX BRIDGE QUANTITIES	2A
TABULATED QUANTITIES	2F, 2F1, 2F7 – 2F12
PROPOSED LAYOUT(S)	11B
CULVERT SECTION(S)	47

YEAR	PROJECT NO.	SHEET NO.
2026	STP/M/HSIP-268(4)	ROADWAY-SIGN3

1 REVISED 6/22/26: ADDED SHEET TO PLANS.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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ROADWAY INDEX

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NOTE: THE ALPHABETICAL LETTERS “I”, “O” & “Q” ARE NOT USED IN THE NUMBERING OF SHEETS. SHEET NUMBERS 80 – 99 INTENTIONALLY OMITTED.

STANDARD ROADWAY DRAWINGS

10-100.00 STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS

DWG.	REV.	DESCRIPTION
RD-TP-1	10-01-24	STANDARD ROADWAY DRAWINGS TITLE SHEET
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
RD-L-2	02-20-20	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-3	03-01-23	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-4	10-01-24	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-5	07-30-24	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-7	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-8	02-20-20	STANDARD LEGEND FOR NATURAL STREAM DESIGN

10-101.00 STANDARDS ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
RD11-SE-1		TRANSITION AND CROSS SLOPE DETAILS
RD11-SE-2		SUPERELEVATION TRANSITION DETAILS FOR UNDIVIDED ROADWAYS
RD11-SE-2A		SUPERELEVATION TRANSITION SECTIONS FOR UNDIVIDED ROADWAYS
RD11-TS-1	06-28-19	DESIGN STANDARDS FOR LOW-VOLUME ROADS
RD11-TS-1A	06-28-19	DESIGN STANDARDS FOR LOCAL ROADS AND STREETS
RD11-TS-6		TYPICAL CURB & GUTTER SECTIONS WITH SHOULDERS AND WITH GRASS STRIPS
RD11-TS-6A		TYPICAL CURB & GUTTER SECTIONS WITHOUT SHOULDERS AND WITH GRASS STRIPS
RD11-TS-7A	07-17-20	DESIGN STANDARDS 2-LANE CURB & GUTTER WITH CONTINUOUS 2-WAY LEFT-TURN LANE WITH GRASS STRIPS
RD11-TS-7B	06-12-25	DESIGN STANDARDS 2-LANE HIGHWAYS WITH CONTINUOUS 2-WAY LEFT-TURN LANE
RD11-LR-1		MINIMUM RUNOFF LENGTHS (LR) FOR URBAN HIGHWAYS
RD11-S-11		DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD11-S-11A		ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD11-S-11B		DESIGN AND CONSTRUCTION DETAILS FOR ROCK CUT SLOPE AND CATCHMENT
RD11-SD-1		INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES
RD11-SD-2		INTERSECTION SIGHT DISTANCE LANDSCAPE AND OBSTRUCTION
RD11-SD-3		INTERSECTION SIGHT DISTANCE 2-LANE ROADWAYS
RD11-SD-4		INTERSECTION SIGHT DISTANCE 4-LANE AND 5-LANE UNDIVIDED ROADWAYS
RD-UD-3	01-09-24	UNDERDRAIN DETAILS

10-102.00 PIPE CULVERTS, ENDWALLS, AND ENERGY DISSIPATERS

DWG.	REV.	DESCRIPTION
D-PB-1	03-01-23	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PB-2	03-01-23	STANDARD DETAILS FOR FLEXIBLE PIPE INSTALLATION
D-PB-3	11-30-20	INDUCED TRENCH SOIL EMBANKMENT FOR PIPE CULVERT INSTALLATION
D-PB-4	01-09-24	PIPE COLLAR DETAILS
D-PG-3	06-28-19	FERROUS AND ALUMINUM CORRUGATED METAL PIPE
D-PG-4	06-28-19	FERROUS AND ALUMINUM CORRUGATED METAL PIPE ARCHES
D-PO-1	06-28-19	STANDARD OVAL AND REINFORCED CONCRETE ARCH PIPE CULVERT
D-PE-18A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 18" PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-18B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 18" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-30A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 30" PIPE WITH STEEL PIPE GRATE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-30B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 30" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-36A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 36" PIPE WITH STEEL PIPE GRATE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-36B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 36" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-42A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 42" PIPE WITH STEEL PIPE GRATE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-42B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 42" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-99	03-04-21	TYPE "U" CROSS DRAIN ENDWALL DETAILS, PIPE GRATE & SKEWED CONNECTION
D-SEW-1A	07-07-23	TYPE "SAFETY" SIDE ENDWALL WITH STEEL PIPE GRATE, FOR 15" THRU 48" PIPES, 6:1 SLOPE
D-PE-4	06-28-19	STRAIGHT CONCRETE ENDWALLS (PIPE SIZES 18" TO 30")
D-PE-5	06-28-19	STRAIGHT CONCRETE ENDWALLS FOR HORIZONTAL OVAL CONCRETE PIPES (ALL SIZES AND SKEWS)
D-PEW-1		PROTECTED ENDWALLS FOR ROUND & OVAL PIPES (PIPE SIZES 18” TO 72”, ALL SKEWS, 2:1 & 3:1 SLOPES)
D-PEW-2		PROTECTED ENDWALLS FOR ROUND PIPES DETAILS & QUANTITIES (PIPE SIZES 18” TO 72”, ALL SKEWS, 2:1 & 3:1 SLOPES)

10-103.00 CATCH BASINS AND MANHOLES

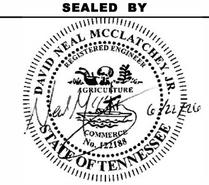
DWG.	REV.	DESCRIPTION
D-CB-12LP	02-20-20	LOW PROFILE 32" X 32" SQUARE CONCRETE NO. 12LP CATCH BASIN FOR USE WITH 6" VERTICAL CURB
D-CB-12LPA		ALTERNATE REINFORCEMENT FOR PRECAST CONCRETE 32” X 32” NO. 12LP CATCH BASIN
D-CB-12P	02-20-20	STANDARD PRECAST RECTANGULAR CONCRETE NO.12 CATCH BASIN
D-CB-12RA	01-28-22	STANDARD PRECAST 48" CIRCULAR NO. 12 CATCH BASIN FOR USE WITH 6" VERTICAL CURB
D-CB-12RB	02-20-20	STANDARD PRECAST 60" AND 72" CIRCULAR NO. 12 CATCH BASIN FOR USE WITH 6" VERTICAL CURB
D-CB-12RC	02-20-20	STANDARD PRECAST 84" THRU 120" CIRCULAR NO. 12 CATCH BASIN FOR USE WITH 6" VERTICAL CURB
D-CB-12S	02-20-20	STANDARD RECTANGULAR CONCRETE NO. 12 CATCH BASIN

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	STP/M-268(4)	1B
PIH	2025	STP/M-268(4)	1A
PS&E	2026	STP/M/HSIP-268(4)	1A

1 REVISED 5-1-2026: ADDED ROADWAY-SIGN2 TO INDEX

2 REVISED 6-22-2026: ADD SHEET 2G2. ADDED ROADWAY-SIGN3 TO INDEX.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	STP/M-268(4)	2
PS&E	2026	STP/M/HSIP-268(4)	2

1 REVISED 6-22-2026: ADDED FOOTNOTE 34, UPDATED 604-01.01 & 604-01.02 QUANTITIES TO BE ACCOUNTED FOR UNDER 75S268-F3-003.

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 75078-3206-54	QUANTITY 75S268-F3-003	TOTAL QUANTITY
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1		1
	108-03	CPM PROJECT SCHEDULE	LS	1		1
	201-01	CLEARING AND GRUBBING	LS	1		1
1	202-01	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1		1
1	202-02.01	REMOVAL OF PIPE (8")	L.F.	9		9
1	202-02.02	REMOVAL OF PIPE (12")	L.F.	262		262
1	202-02.03	REMOVAL OF PIPE (15")	L.F.	408		408
1	202-02.04	REMOVAL OF PIPE (18")	L.F.	4837		4837
1	202-02.05	REMOVAL OF PIPE (24")	L.F.	2396		2396
1	202-02.06	REMOVAL OF PIPE (30")	L.F.	935		935
1	202-02.07	REMOVAL OF PIPE (36")	L.F.	209		209
1	202-02.08	REMOVAL OF PIPE (60")	L.F.	123		123
1	202-02.09	REMOVAL OF PIPE (22" X 14")	L.F.	134		134
1	202-02.10	REMOVAL OF PIPE (24" X 18")	L.F.	95		95
1	202-02.11	REMOVAL OF PIPE (30" X 20")	L.F.	51		51
1	202-02.12	REMOVAL OF PIPE (30" X 24")	L.F.	69		69
1	202-02.13	REMOVAL OF PIPE (30" X 18")	L.F.	81		81
1	202-02.14	REMOVAL OF PIPE (48" X 30")	L.F.	132		132
1	202-03	REMOVAL OF RIGID PAVEMENT, SIDEWALK, ETC.	S.Y.	342		342
1, 34	202-03.01	REMOVAL OF ASPHALT PAVEMENT	S.Y.	16491		16491
2, 3	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	136616		136616
	203-03	BORROW EXCAVATION (UNCLASSIFIED)	C.Y.	28466	14231	42697
	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	15554		15554
4	203-06	WATER	M.G.	1299		1299
5,6,7	203-50	CONSTRUCTION OF HAUL ROAD	LS	1		1
8	204-08	FOUNDATION FILL MATERIAL	C.Y.	53		53
	204-08.01	BACKFILL MATERIAL (FLOWABLE FILL)	C.Y.	12		12
2	209-02.06	15" TEMPORARY SLOPE DRAIN	L.F.	60		60
2	209-02.07	18" TEMPORARY SLOPE DRAIN	L.F.	2724		2724
2	209-02.08	24" TEMPORARY SLOPE DRAIN	L.F.	2236		2236
2	209-02.09	30" TEMPORARY SLOPE DRAIN	L.F.	380		380
2	209-05	SEDIMENT REMOVAL	C.Y.	2584		2584
2	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	10675		10675
2	209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	36651		36651
2	209-08.07	ROCK CHECK DAM PER	EACH	10		10
2	209-08.08	ENHANCED ROCK CHECK DAM	EACH	46		46
2	209-09.03	SEDIMENT FILTER BAG (15' X 15')	EACH	4		4
2	209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	256		256
	209-40.30	CATCH BASIN PROTECTION (TYPE A)	EACH	8		8
2	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	59		59
2	209-65.04	TEMPORARY IN STREAM DIVERSION	L.F.	467		467
9	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	161809	6458	168267
8	303-01.01	GRANULAR BACKFILL (ROADWAY)	TON	926		926
2,10	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	468		468
11,31	303-10.04	MINERAL AGGREGATE (SIZE 57 - PABE)	TON	292		292
12	307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	12499		12499
13	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	9054	3237	12291
	307-01.20	ASP. CONC. MIX(PG64-22) (BPMB-HM) GR. A-S	TON	1006		1006
	307-01.21	ASP. CONC. MIX(PG70-22) (BPMB-HM) GR. A-S	TON	31467		31467
	307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	41919		41919
	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	20595		20595
14	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	360	27	387
5, 15	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	1275	96	1371
16	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	102	9	111
	407-20.05	SAW CUTTING ASPHALT PAVEMENT	L.F.	575		575
	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER	TON		1479	1479
17	411-01.10	ACS MIX(PG64-22) GRADING D	TON	5492		5492
	411-02.10	ACS MIX(PG70-22) GRADING D	TON	12978		12978
18	415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	11856		11856
1	604-01.01	CLASS A CONCRETE (ROADWAY)	C.Y.		131	131
1	604-01.02	STEEL BAR REINFORCEMENT (ROADWAY)	LB.		28439	28439

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DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	STP/M-268(4)	2-1
PS&E	2026	STP/M/HSIP-268(4)	2-1

(1) REVISED 5-01-2026: REMOVED 607-39.04 AND 611-07.33. UPDATED 701-02.03. 708-02.01 AND 709-05.06 MOVED FROM 2-2 TO THIS SHEET.

(2) REVISED 6-22-2026: ADDED ITEM 607-16.06. REVISED QUANTITIES FOR 607-03.02, 607-07.02, 611-07.01, & 611-07.02. ITEM NO. 709-05.06 SHIFTED TO NEXT QUANTITY BLOCK.

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 75078-3206-54	QUANTITY 75S268-F3-003	TOTAL QUANTITY
19	604-01.20	BOX TUBE SAFETY RAIL	L.F.	299		299
20	604-07.01	RETAINING WALL (BEGIN STA.166+14.00 TO END STA.166+95.00)	S.F.	335		335
20	604-07.02	RETAINING WALL (BEGIN STA.234+82.75 TO END STA.237+00.00)	S.F.	1013		1013
33	604-07.03	RETAINING WALL (TREE WALL - DRIVEWAY AT 168+92.18)	S.F.	285		285
33	604-07.04	RETAINING WALL (TREE WALL - BEGIN STA. 236+50.00TO END STA. 236+81.82)	S.F.	97		97
(2) 21	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	13041		13041
21	607-03.03	18" CONCRETE PIPE CULVERT (CLASS IV)	L.F.	92		92
21	607-05.02	24" CONCRETE PIPE CULVERT (CLASS III)	L.F.	4121		4121
21	607-06.02	30" CONCRETE PIPE CULVERT (CLASS III)	L.F.	5366		5366
(2) 21	607-07.02	36" CONCRETE PIPE CULVERT (CLASS III)	L.F.	4507		4507
21	607-08.02	42" CONCRETE PIPE CULVERT (CLASS III)	L.F.	1657		1657
21	607-08.03	42" CONCRETE PIPE CULVERT (CLASS IV)	L.F.	2748		2748
21	607-10.03	54" CONCRETE PIPE CULVERT (CLASS IV)	L.F.	125		125
21	607-16.01	23"X 14" HORIZONTAL OVAL CONCRETE PIPE CULVERT	L.F.	111		111
21	607-16.02	30"X 19" HORIZONTAL OVAL CONCRETE PIPE CULVERT	L.F.	964		964
21	607-16.04	38"X 24" HORIZONTAL OVAL CONCRETE PIPE CULVERT	L.F.	229		229
(2) 21	607-16.06	45"X 29" HORIZONTAL OVAL CONCRETE PIPE CULVERT	L.F.	197		197
21	607-16.09	60"X 38" HORIZONTAL OVAL CONCRETE PIPE CULVERT	L.F.	350		350
21	607-39.02	18" PIPE CULVERT (SIDE DRAIN)	L.F.	548		548
	611-01.02	MANHOLES, > 4' - 8' DEPTH	EACH	6		6
	611-01.03	MANHOLES, > 8' - 12' DEPTH	EACH	3		3
	611-02.10	JUNCTION BOX, TYPE 1	EACH	1		1
(2)	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	67		67
(2)	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB.	2768		2768
	611-07.31	18IN ENDWALL (SIDE DRAIN)	EACH	32		32
	611-07.32	24IN ENDWALL (SIDE DRAIN)	EACH	10		10
	611-07.54	18IN ENDWALL (CROSS DRAIN) 3:1	EACH	16		16
	611-07.60	30IN ENDWALL (CROSS DRAIN) 3:1	EACH	2		2
	611-07.63	36IN ENDWALL (CROSS DRAIN) 3:1	EACH	4		4
	611-07.66	42IN ENDWALL (CROSS DRAIN) 3:1	EACH	2		2
	611-12.01	CATCH BASINS, TYPE 12, 0' - 4' DEPTH	EACH	12		12
	611-12.02	CATCH BASINS, TYPE 12, > 4' - 8' DEPTH	EACH	105		105
	611-12.03	CATCH BASINS, TYPE 12, > 8' - 12' DEPTH	EACH	23		23
	611-12.04	CATCH BASINS, TYPE 12, > 12' - 16' DEPTH	EACH	7		7
	611-12.05	CATCH BASINS, TYPE 12, > 16' - 20' DEPTH	EACH	4		4
	611-12.06	CATCH BASINS, TYPE 12, > 20' - 24' DEPTH	EACH	3		3
	611-12.07	CATCH BASINS, TYPE 12, > 24' - 28' DEPTH	EACH	6		6
	611-14.01	CATCH BASINS, TYPE 14, 0' - 4' DEPTH	EACH	2		2
	611-14.02	CATCH BASINS, TYPE 14, > 4' - 8' DEPTH	EACH	39		39
	611-14.03	CATCH BASINS, TYPE 14, > 8' - 12' DEPTH	EACH	10		10
	611-14.04	CATCH BASINS, TYPE 14, > 12' - 16' DEPTH	EACH	6		6
	611-14.05	CATCH BASINS, TYPE 14, > 16' - 20' DEPTH	EACH	6		6
	611-14.06	CATCH BASINS, TYPE 14, > 20' - 24' DEPTH	EACH	2		2
	611-42.01	CATCH BASINS, TYPE 42, 0' - 4' DEPTH	EACH	20		20
	611-42.02	CATCH BASINS, TYPE 42, > 4' - 8' DEPTH	EACH	4		4
2, 22	621-03.02	18" TEMPORARY DRAINAGE PIPE	L.F.	252		252
22	621-03.03	24" TEMPORARY DRAINAGE PIPE	L.F.	18		18
22	621-03.05	36" TEMPORARY DRAINAGE PIPE	L.F.	16		16
	701-01.01	CONCRETE SIDEWALK (4 ")	S.F.		126976	126976
	701-02	CONCRETE DRIVEWAY	S.F.	36414		36414
	701-02.03	CONCRETE CURB RAMP	S.F.		17001	17001
	702-01	CONCRETE CURB	C.Y.	60	9	69
	702-03	CONCRETE COMBINED CURB & GUTTER	C.Y.	4424		4424
	705-01.04	METAL BEAM GUARD FENCE	L.F.	104		104
	705-06.01	W BEAM GR (TYPE 2) MASH TL3	L.F.	6448		6448
	705-06.10	GR TERMINAL TRAILING END (TYPE 13) MASH TL3	EACH	3		3
	705-06.20	TANGENT ENERGY ABSORBING TERM MASH TL-3	EACH	15		15
	705-06.25	THRIE BEAM BRIDGE TRANSITION MASH TL-3	EACH	4		4
	706-01	GUARDRAIL REMOVED	L.F.	4528		4528
	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	2300		2300
	708-02.01	MARKERS (CONCRETE R.O.W. POSTS)	EACH	105		105

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DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	STP/M-268(4)	2-2
PS&E	2026	STP/M/HSIP-268(4)	2-2

1 REVISED 5-01-2026: UPDATED 716-02.09. 708-02.01 AND 709-05.06 MOVED FROM THIS SHEET TO 2-1. 740-10.04 AND 740-11.04 MOVED FROM 2-3 TO THIS SHEET.

2 REVISED 6-22-2026: ITEM NO. 709-05.06 SHIFTED FROM PREVIOUS TABLE TO THIS SHEET. ITEM NO. 740-11.04 SHIFTED FROM THIS TABLE TO NEXT SHEET. DELETED ITEM NO. 740-07.04.

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 75078-3206-54	QUANTITY 75S268-F3-003	TOTAL QUANTITY
2, 23	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	7858		7858
24	709-05.08	MACHINED RIP-RAP (CLASS B)	TON	1720		1720
	710-02	AGGREGATE UNDERDRAINS (WITH PIPE)	L.F.	36260		36260
	711-05.72	SINGLE SLOPE HALF CONCRETE BARRIER WALL	L.F.	218		218
	712-01	TRAFFIC CONTROL	LS	1		1
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	25959		25959
32	712-02.10	PORTABLE BARRIER RAIL (MASH TL-3)	L.F.	450		450
32	712-02.12	PORTABLE BARRIER RAIL, REDUCED DEFLECTION (MASH TL-3)	L.F.	450		450
25	712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH	12		12
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	2858		2858
	712-04.50	BARRIER RAIL DELINEATOR	EACH	1493		1493
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	156		156
	712-06	SIGNS (CONSTRUCTION)	S.F.	5		5
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	1560		1560
	712-08.03	ARROW BOARD (TYPE C)	EACH	5		5
5	712-09.08	REMOVABLE PAVEMENT MARKING (6" line)	L.F.	4400		4400
	712-09.21	REMOVABLE WET REFLECTIVE PAVEMENT MARKING TAPE	L.F.	1600		1600
	713-01.01	CLASS A CONCRETE (FOUNDATION FOR SIGN SUPPORTS)	C.Y.	1		1
	713-01.02	STEEL BAR REINFORCEMENT(FOUNDATION FOR SIGN SUPPORTS)	LB.	294		294
	713-02.21	SIGN POST DELINEATION ENHANCEMENT	L.F.	160		160
	713-02.30	FLEXIBLE TUBULAR DELINEATOR	EACH	110		110
	713-06	STEEL I-BEAMS & WF-BEAMS(BREAKAWAY) SIGN SUPPORT	LB.	640		640
	713-11.01	"U" SECTION STEEL POSTS	LB.	2793		2793
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	164		164
	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	584		584
	713-14	EXTRUDED ALUMINUM PANEL SIGNS	S.F.	115		115
	713-14.21	STREET NAME SIGN (RIGID 0.100IN THICK	S.F.	72		72
	713-15.02	REMOVAL & RELOCATION OF SIGN & SUPPORT	EACH	1		1
	713-15.36	REMOVE SIGN, SUPPORT & FOOTING	EACH	27		27
5	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	10		10
5	716-01.05	TEMPORARY RAISED PAVEMENT MARKER	EACH	870		870
	716-01.21	SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH	3591		3591
	716-01.22	SNOWPLOWABLE RAISED PAVMENT MARKERS (MONO-DIR)(1 COLOR)	EACH	59		59
	716-01.30	REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	600		600
26	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	47	12	59
26	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	1765	44	1809
26	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	192		192
26	716-02.08	PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.	751		751
26	716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.		3591	3591
	716-02.12	PLASTIC PAVEMENT MARKING (8IN LINE)	L.M.	0.2		0.2
26	716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	7		7
26	716-04.02	PLASTIC PAVEMENT MARKING(DOUBLE TURNING ARROW)	EACH	3		3
26	716-04.04	PLASTIC PAVEMENT MARKING (TRANSVERSE SHOULDER)	L.F.	75		75
26	716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	4		4
26	716-04.13	PLASTIC PAVEMENT MARKING (BIKELANE SYMBOL & ARROW)	EACH	14		14
26	716-04.15	PLASTIC PAVEMENT MARKING-BIKE SYMBOL/ARROW SHARED	EACH	1		1
	716-05.04	PAINTED PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y.	28		28
	716-05.05	PAINTED PAVEMENT MARKING (STOP LINE)	L.F.	1410		1410
	716-05.06	PAINTED PAVEMENT MARKING (TURN LANE ARROW)	EACH	80		80
	716-05.49	PAINTED PAVEMENT MARKINGS(8" LINE)	L.M.	18.9		18.9
	716-08.04	REMOVAL OF PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y.	100		100
	716-08.05	REMOVAL OF PAVEMENT MARKING (STOP LINE)	L.F.	1233		1233
	716-08.06	REMOVAL OF PAVEMENT MARKING (TURN LANE ARROW)	EACH	56		56
	716-08.20	REMOVAL OF PAVEMENT MARKING (LINE)	L.M.	11.5		11.5
	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	40.5		40.5
	717-01	MOBILIZATION	LS	1		1
	722-01.02	FIELD OFFICE (TYPE 2)	LS	1		1
	730-01.03	MODIFICATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	4		4
2	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	3553		3553
11, 31	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	119236		119236

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DAVID NEAL MCCLATCHEY JR. REGISTERED ENGINEER AGRICULTURE COMMERCE No. 122188 STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	2-3

(1) REVISED 5-01-2026: 740-10.04 AND 740-11.04 MOVED FROM THIS SHEET TO 2-2.

(2) REVISED 6-22-2026: 740-11.04 MOVED TO THIS SHEET FROM 2-2. ADDED FOOTNOTE 34 AND OMITTED FOOTNOTE 28.

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 75078-3206-54	QUANTITY 75S268-F3-003	TOTAL QUANTITY
(2) 2	740-11.04	TEMPORARY SEDIMENT TUBE 20IN	L.F.	22151		22151
	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	840		840
29	801-01.38	NATIVE SEED MIX FINAL STABLIZATION OF SLOPES	UNIT	37		37
2,27	801-03	WATER (SEEDING & SODDING)	M.G.	1022		1022
2	803-01	SODDING (NEW SOD)	S.Y.	93321		93321
30	806-02.03	PROJECT MOWING	CYCL	6		6

FOOTNOTES

(1) TO BE REMOVED AS DIRECTED BY THE ENGINEER. THE SALVAGE SHALL BECOME THE PROPERTY OF THE CONTRACTOR. SEE TABULATED QUANTITES FOR ADDITIONAL DETAILS.

(2) ALL EROSION PREVENTION AND SEDIMENT CONTROL QUANTITES ARE TO BE USED AS DIRECTED BY THE ENGINEER. SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.

(3) ITEM INCLUDES 1659 C.Y. FOR EROSION CONTROL AND 134957 C.Y. FOR GRADING QUANTITES.

(4) INCLUDES 359 M.G. FOR EMBANKMENT AND 940 M.G. FOR GRANULAR BACKFILL.

(5) TO BE USED AS DIRECTED BY THE PROJECT ENGINEER.

(6) IF THE HAUL ROAD IS CONSTRUCTED IN A DRY OR UNSATURATED AREA, BORROW EXCAVATION (GRADED SOLID ROCK) SHALL BE USED. IF THE HAUL ROAD IS CONSTRUCTED IN WATER OR IN AN AREA WITHIN THE FLOOD PLAIN, MACHINED RIP-RAP (CLASS A-1, CLASS B, OR CLASS C) SHALL BE USED IN PLACE OF BORROW EXCAVATION. SEE TABULATED QUANTITES FOR ADDITIONAL DETAILS.

(7) INCLUDE ALL COSTS FOR CONSTRUCTION & REMOVAL OF HAUL ROADS A, B, C, & D.

(8) FOR BOX CULVERT AND BOX BRIDGE EXTENSIONS.

(9) ITEM INCLUDES 7296 TONS FOR TEMPORARY ASPHALT, 2930 TONS FOR DRIVEWAYS, 6458 TONS FOR MULTIUSE PATH, AND 151489 TONS FOR PERMANENT PAVEMENT.

(10) INCLUDES 12 TONS FOR GEOTECH AND 456 TONS FOR EPSC.

(11) USED FOR PAVEMENT AT BRIDGE ENDS.

(12) ITEM INCLUDES 9842 TONS FOR TEMPORARY ASPHALT AND 2657 TONS FOR PERMANENT PAVEMENT.

(13) ITEM INCLUDES 5952 TONS FOR TEMPORARY ASPHALT, 849 TONS FOR DRIVEWAYS, 3237 TONS FOR MULTIUSE PATH, AND 2218 TONS FOR PERMANENT PAVEMENT.

(14) ITEM INCLUDES 75 TONS FOR TEMPORARY ASPHALT, 285 TONS FOR PERMANENT PAVEMENT, AND 27 TONS FOR MULTIUSE PATH

(15) ITEM INCLUDES 264 TONS FOR TEMPORARY ASPHALT, 1011 TONS FOR PERMANENT PAVEMENT, AND 96 TONS FOR MULTIUSE PATH

(16) ITEM INCLUDES 18 TONS FOR TEMPORARY ASPHALT, 84 TONS FOR PERMANENT PAVEMENT, AND 9 TONS FOR MULTIUSE PATH

(17) ITEM INCLUDES 807 TONS FOR DRIVEWAYS, 3504 TONS FOR TEMPORARY PAVEMENT AND 1154 TONS FOR PERMANENT PAVEMENT.

(18) COLD PLANING TO A DEPTH OF 1.25".

(19) ITEM INCLUDES 81 LF FOR RETAINING WALL 5 AND 218 LF FOR RETAINING WALL 6.

(20) ALL COST OF BUILDING AND INSTALLING THE RETAINING WALL, INCLUDING FOUNDATION PREPARATION, BACKFILLING, AND EXCAVATION, SHALL BE INCLUDED IN THE SQUARE FOOTAGE COST OF THE RETAINING WALL. QUANTITIES FOR FOUNDATION PREPARATION, BACKFILL, AND EXCAVATION ARE REFLECTED IN THE END AREA CALCULATIONS ON CROSS SECTIONS AND IN GRADING QUANTITY ROADWAY ITEM 203-01, ROAD AND DRAINAGE EXCAVATION (C.Y.). THE DESIGNER HAS NOTED THE PORTION OF THIS QUANTITY FOR THESE ITEMS ON THE GRADING QUANITITY TABULATION SHEET. THE PORTION OF THIS QUANTITY HAS BEEN REMOVED FROM ROADWAY ITEM 203-01, ROAD AND DRAINAGE EXCAVATION (C.Y.). FOR FURTHER INFORMATION ON RETAINING WALLS AND QUANTITIES, SEE SHEET(S) (R-1 - R-5).

(21) BEDDING MATERIAL SHALL BE INCLUDED IN THE COST OF THE PROPOSED PIPE CULVERT. SEE STANDARD DRAWING NO. D-PB1, D-PB-2, AND D-PO-1 FOR ADDITIONAL DETAILS.

(22) CONTRACTOR TO VERIFY PIPE SIZES BEFORE ACQUIRING TEMPORARY PIPE.

(23) ITEM INCLUDES 6555 TONS FOR OUTLET PROTECTION, 115 TONS FOR BOX CULVERT, AND 1188 TONS FOR EPSC.

(24) INCLUDES 1700 TONS FOR SLOPE PROTECTION AT BRIDGE OVER STONES RIVER & 20 TONS FOR ENDWALL.

(25) THIS ITEM SHALL BE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIREMENTS OF AASHTO MASH FOR TEST LEVEL. THE PAY ITEM WILL INCLUDE FURNISHING AND INSTALLING ALL COMPONENETS AS SHOWN ON THE MANUFACTURER'S DRAWING.

(26) CONTRACTOR MAY ELECT TO SUBSTITUTE PERFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.

(27) INCLUDES 84 MG FOR EROSION CONTROL, 4 MG FOR NATIVE SEED MIX, 934 MG FOR SOD.

(29) PERMANENT STABILIZATION WITH NATIVE OR NATURALIZED PERENNIAL VEGETATION IS REQUIRED IN ALL AREAS AUTHORIZED FOR TEMPORARY AND PERMANENT IMPACTS TO STREAMS AND RIPARIAN AREAS, INCLUDING ADJACENT BUFFER ZONES WITHIN 60 FT OF THE EDGE OF WATER. THE APPROPRIATE SEED MIXTURE FOR THE REGION AND SITE CONDITIONS SHALL BE SELECTED FROM TABLE 7.9-1 (PREFERRED SEED MIXES USING NATIVE OR NATURALIZED PLANTS AND PLANTING DATES) FOUND IN CHAPTER 7.9 (PERMANENT VEGETATION) OF THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK 4TH EDITION.

(30) ITEM INCLUDES LITTER AND TRASH REMOVAL. THIS WORK WILL NOT BE MEASURED AND PAID FOR DIRECTLY BUT WILL BE INCLUDED IN THE COST OF ITEM NO. 806-02.03 PROJECT MOWING PER CYCLE.

(31) INCLUDES QUANTITY FOR GEOTECH. SEE SHEET G2 FOR DETAILS.

(32) TO BE USED FOR BRIDGE TRAFFIC CONTROL SEE BRIDGE SHEETS FOR DETAILS.

(33) TO BE USED FOR TREE WALLS BASED ON DETAIL SHOWN ON 2G1.

(34) TO BE USED FOR REMOVAL OF TEMPORARY ASPHALT.

FOOTNOTE 28 WAS OMITTED.

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ESTIMATED ROADWAY QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	STP/M-268(4)	2A
PS&E	2026	STP/M/HSIP-268(4)	2A

1 REVISED 6-22-2026: REVISED QUANTITIES FOR ITEM NO. 604-02.01 & 604-02.02.

ESTIMATED BOX BRIDGE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY 75078-3206-54	QUANTITY 75S268-F3-003	TOTAL QUANTITY
604-02.01	CLASS A CONCRETE (BOX BRIDGES)	C.Y.	170		170
604-02.02	STEEL BAR REINFORCEMENT (BOX BRIDGES)	LB.	33036		33036

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DAVID NEAL MCCLATCHEY JR.
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AGRICULTURE
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STATE OF TENNESSEE
6/22/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED BOX BRIDGE QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	STP/M-268(4)	2C
PIH	2025	STP/M-268(4)	2F
PS&E	2026	STP/M/HSIP-268(4)	2F

(1) REVISED 11-25-2024: UPDATED STATIONING FOR EW 111E.

(2) REVISED 6-22-2026: REVISED 611-07.01 & 611-07.02 QUANTITIES FOR 131D AND 132B.

CROSS DRAIN ENDWALLS

	SHEET NO.	LOCATION	STATION	OFFSET (FT.)	SKEW	CODE	TYPE	STANDARD DRAWING NO.	RIP-RAP CLASS A1 709-05.06 (TON)	RIP-RAP CLASS B 709-05.08 (TON)	PROTECTED ENDWALLS		SAFETY ENDWALLS
											CLASS "A" CONCRETE 611-07.01 (C.Y.)	STEEL BAR REINFORCING 611-07.02 (LB.)	18 IN. 3:1 611-07.54 (EACH)
	8B	S.R. 268	64+28.74	76.42	90º	43B	PEW	D-PEW-1			6.7	294	
	8B	S.R. 268	64+28.74	-58.58	90º	42B	PEW	D-PEW-1	7		6.7	294	
	9B	S.R. 268	69+01.40	-50.47	73º	44B	PEW	D-PEW-1	7		3.6	151	
	12B	BRECKENRIDGE DR.	81+28.47	28.45	115º	91A	STR	D-PE-4			1.0	45	
	12B	BRECKENRIDGE DR.	81+53.46	-26.11	115º	91	U	D-PE-18A	3				1
	12B	SULPHUR SPRINGS RD.	105+82.00	40.97	80º	99F	PEW	D-PEW-1	4		2.3	87	
	12B	SULPHUR SPRINGS RD.	105+67.50	-47.87	80º	99E	PEW	D-PEW-1			2.3	87	
	12B	S.R. 268	109+53.28	54.79	82º	94A	U	D-PE-18A	3				1
	12B	S.R. 268	109+05.96	-48.97	53º	95A	STR	D-PE-4			1.0	45	
	12B	S.R. 268	114+15.30	55.12	101º	99D	STR	D-PE-5	6		2.1	68	
	12B	S.R. 268	114+13.98	-68.77	87º	99C	STR	D-PE-5			2.1	68	
1	15B	S.R. 268	153+42.65	82.33	83º	120B	STR	D-PE-5	35		11.3	430	
1	15B	S.R. 268	153+19.86	-91.28	83º	120A	STR	D-PE-5			11.3	430	
(2)	17B	S.R. 268	177+35.50	59.88	86º	131D	STR	D-PE-5		20	2.3	137	
	17B	S.R. 268	177+32.79	-46.91	86º	132B	STR	D-PE-5			2.3	137	
	TOTALS								65	20	55.0	2273	2

FOOTNOTE:

1) 2@60"x38" HOP AT STA. 153+30.79

STORM DRAIN ENDWALLS

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	CODE	TYPE	STANDARD DRAWING NO.	PROTECTED ENDWALLS		SAFETY ENDWALLS			
							CLASS "A" CONCRETE 611-07.01 (C.Y.)	STEEL BAR REINFORCING 611-07.02 (LB.)	18 IN. 3:1 611-07.54 (EACH)	30 IN. 3:1 611-07.60 (EACH)	36 IN. 3:1 611-07.63 (EACH)	42 IN. 3:1 611-07.66 (EACH)
5B	S.R. 268	13+80.41	67.00 LT.	12B	U	D-PE-18A			1			
5B	S.R. 268	23+35.00	55.00 LT.	18A	U	D-PE-36A					1	
6B	S.R. 268	29+53.00	53.00 LT.	22B	U	D-PE-18A			1			
6B	S.R. 268	34+05.00	53.00 LT.	24A	U	D-PE-18A			1			
6B	S.R. 268	51+50.00	54.00 LT.	24D	U	D-PE-18A			1			
6B	S.R. 268	37+20.00	60.00 LT.	30A	STR	D-PE-4	1.5	70				
7B	S.R. 268	46+72.61	70.60 LT.	34B	U	D-PE-30A				1		
7B	S.R. 268	51+50.00	75.00 LT.	36B	U	D-PE-18A			1			
9B	S.R. 268	77+46.00	63.00 RT.	54C	U	D-PE-18A			1			
10B	S.R. 268	78+03.39	67.50 RT.	57	U	D-PE-30A				1		
11B	S.R. 268	100+15.00	83.00 RT.	84B	U	D-PE-36A					1	
11B	S.R. 268	100+50.50	73.00 LT.	86B	STR	D-PE-4	1.0	45				
11B	S.R. 268	101+50.00	79.00 LT.	86C	U	D-PE-18A			1			
11B	S.R. 268	102+22.00	70.00 LT.	88A	U	D-PE-18A			1			
14B	S.R. 268	134+49.14	53.00 LT.	110B	STR	D-PE-4	1.2	40				
14B	S.R. 268	137+89.97	60.50 LT.	111A	STR	D-PE-4	1.0	45				
14B	SATINWOOD DR	119+18.65	28.50 RT.	111B	STR	D-PE-4	2.0	90				
14B	S.R. 268	138+39.00	60.00 RT.	111E	U	D-PE-18A			1			
15B	S.R. 268	145+48.00	49.00 LT.	114A	STR	D-PE-4	1.5	70				
15B	S.R. 268	149+91.00	75.00 RT.	119A	U	D-PE-36A					1	
15B	S.R. 268	151+90.00	76.00 LT.	119C	U	D-PE-36A					1	
15B	S.R. 268	151+17.00	82.00 RT.	119D	U	D-PE-18A			1			
15B	S.R. 268	154+60.00	91.00 LT.	121	U	D-PE-42A						1
15B	S.R. 268	155+73.49	93.00 LT.	123J	U	D-PE-42A						1
16B	S.R. 268	163+99.57	60.50 LT.	123A	U	D-PE-18A			1			
18B	S.R. 268	184+00.00	52.50 LT.	141	STR	D-PE-4	1.0	45				
20B	S.R. 268	210+79.66	67.00 RT.	157A	STR	D-PE-4	1.0	45				
20B	S.R. 268	211+15.00	66.00 LT.	158A	STR	D-PE-4	1.0	45				
20B	S.R. 268	218+50.00	60.00 RT.	163A	U	D-PE-18A			1			
20B	S.R. 268	219+50.00	51.50 LT.	167A	U	D-PE-18A			1			
22B	S.R. 268	237+10.64	62.00 LT.	185	U	D-PE-18A			1			
TOTALS							11.2	495	14	2	4	2

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TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	STP/M-268(4)	2C1
PIH	2025	STP/M-268(4)	2F1
PS&E	2026	STP/M/HSIP-268(4)	2F1

1 REVISED 11-25-2024: UPDATED TABULATED QUANTITY BLOCKS.

2 REVISED 5-1-2026: REMOVED 607-39.04 FROM SIDE DRAIN ENDWALLS TABULATED QUANTITY BLOCK.

3 REVISED 6-22-2026: UPDATED THE STANDARD DRAWING CALLOUT AND FOOTNOTE FOR THE BOX CULVERT TABULATION BLOCK

SIDE DRAIN ENDWALLS

LOCATION	DRIVE OR ENTRANCE STATION	OFFSET (FT.)	TYPE	STANDARD DRAWING NO.	RCP CLASS III		ENDWALLS	
					607-39.02 18"	607-16.01 23"X14"	18 IN. 6:1 611-07.31 (EACH)	24 IN. 6:1 611-07.32 (EACH)
SR268	14+34.61	63.37	6D	D-SEW-1A	100		2	
SR268	15+15.85	62.24	6D	D-SEW-1A	38		2	
SR268	16+07.63	61.32	6D	D-SEW-1A	23		2	
SR268	34+77.18	55.79	6D	D-SEW-1A	50		2	
SR268	36+09.25	56.57	6D	D-SEW-1A	47		2	
SR268	37+84.76	56.81	6D	D-SEW-1A	32		2	
SR268	93+38.26	-51.41	6D	D-SEW-1A		30		2
SR268	96+71.58	-61.92	6D	D-SEW-1A	28		2	
BRECKENRIDGE DRIVE	82+21.31	-27.44	6D	D-SEW-1A	21		2	
BRECKENRIDGE DRIVE	82+84.99	-23.25	6D	D-SEW-1A		20		2
SR268	110+05.23	59.18	6D	D-SEW-1A	16		2	
SR268	111+35.45	56.94	6D	D-SEW-1A	19		2	
SR268	137+37.04	68.16	6D	D-SEW-1A	41			
SR268	162+55.11	63.71	6D	D-SEW-1A	20		2	
SR268	163+72.00	-67.93	6D	D-SEW-1A	20		2	
SR268	164+52.10	69.50	6D	D-SEW-1A	34		2	
SR268	182+88.96	-51.41	6D	D-SEW-1A		18		2
SR268	212+66.75	-54.53	6D	D-SEW-1A	22		2	
SR268	213+18.16	-50.35	6D	D-SEW-1A		24		2
SR268	218+01.24	-52.09	6D	D-SEW-1A		19		2
SR268	218+55.92	-53.45	6D	D-SEW-1A	19		2	
SR268	220+08.94	-48.55	6D	D-SEW-1A	18		2	
TOTALS					548	111	32	10

RIGHT OF WAY MARKERS

SHEET NO.	Item #: 708-02.01 QUANTITIES "A"	"B"	"C"	TOTALS
4A				0
5A	4		1	5
6A				0
7A				0
8A				0
9A				0
10A				0
11A				0
12A	4		6	10
13A	5		1	6
14A	7		2	9
15A	9		2	11
16A	6		4	10
17A	2		2	4
18A	6	2	8	16
19A	7	1	1	9
20A	7			7
21A	6	1	7	14
22A		2	2	4
TOTALS	63	6	36	105

BOX CULVERT \ BRIDGE TABULATION

	STATION	LOCATION	TYPE: BOX	TYPE: SLAB	SKEW	NO. BARRELS	WIDTH	HEIGHT	LENGTH	DRAINAGE AREA SQ MI	STANDARD DRAWING NO.	CULVERT ≤ 20 FT.: CLASS "A" CONCRETE 604-01.01 CU. YD.	CULVERT ≤ 20 FT.: STEEL BAR REINF. 604-01.02 LB.	BRIDGE > 20 FT.: CLASS "A" CONCRETE 604-02.01 CU. YD.	BRIDGE > 20 FT.: STEEL BAR REINF. 604-02.02 LB.	STD. DWG. STD-17-17 & 18: FOUNDATION FILL MATERIAL 204-08 CU. YD.	STD. DWG. STD-17-17 & 18: GRANULAR BACKFILL 303-01.01 TONS	RIP-RAP CLASS A-1 709-05.06 TON	CULVERT EXC. ▲ CU. YD.
1,2	100+95.68	S.R. 268	BRIDGE		90º	3	12	14	26	169	N/A			170	33036	24	460	115	162
	154+00	S.R. 268	CULVERT		90º	1	12	8	83	5	STD-17-57	131	28439			29	466		911
	TOTALS											131	28439	170	33036	53	926	115	1073

▲ ALL COST OF CULVERT EXCAVATION WILL BE INCLUDED IN THE COST OF OTHER ITEMS.

FOOTNOTE:

1) 26 LF EXTENSION OF EXISTING 3@12'x14" BOX BRIDGE (11 LF LT. & 15 LF RT.)

3 2) SEE SHEET 2G2 FOR BOX BRIDGE DETAILS.

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TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	STP/M-268(4)	2C7
PIH	2025	STP/M-268(4)	2F7
PS&E	2026	STP/M/HSIP-268(4)	2F7

1 REVISED 7-27-2023: ADJUSTED PIPE QUANTITY.

2 REVISED 6-22-2026: ADD COLUMN FOR ITEM NO. 607-16.06.

STORM DRAINAGE PIPES (TABLE NO.1)

SHEET NO.	INLET		OUTLET		% GRADE											
	CODE NO.	OUTLET ELEV.	CODE NO.	INLET ELEV.		CLASS III 607-03.02 18"	CLASS IV 607-03.03 18"	CLASS III 607-05.02 24"	CLASS III 607-06.02 30"	CLASS III 607-07.02 36"	CLASS III 607-08.02 42"	CLASS IV 607-08.03 42"	CLASS IV 607-10.03 54"	CLASS III 607-16.02 30"X19"	CLASS III 607-16.04 38"X24"	CLASS III 607-16.06 45"X29"	CLASS III 607-16.09 60"x38"
5B	4	563.64	13	563.50	0.71%	20'											
4B/5B	11	564.49	12	563.91	0.50%	115'											
5B	12	563.74	13	563.22	0.50%	104'											
5B	12B	565.61	12	563.91	6.80%	25'											
5B	13	563.05	14	562.69	0.50%			72'									
5B	14	562.52	14A	561.06	0.76%			193'									
5B	14A	560.89	16	559.22	0.60%			279'									
5B	16	559.05	18	556.75	0.80%				286'								
5B	17	559.18	17C	558.00	0.64%			185'									
5B	17A	560.25	17B	559.65	0.91%	66'											
5B	17B	559.58	17	559.45	0.54%			24'									
5B	17C	557.83	19	556.60	0.47%				260'								
5B	18	553.95	19	553.60	0.52%					67'							
5B	18A	555.49	18	555.07	1.91%					22'							
5B	19	553.43	21A	553.36	0.58%					12'							
5B	19A	553.62	21A	553.36	0.51%					51'							
5B	19B	556.37	19A	553.75	9.70%	27'											
5B	20	555.26	18	554.12	0.51%				225'								
5B	21	554.66	19	553.60	0.50%			210'									
5B/6B	22	556.64	20	555.43	0.50%				240'								
6B	22A	557.77	22	556.81	0.50%									191'			
6B	22B	560.03	22A	558.21	9.10%	20'											
6B	22C	558.48	24	558.21	0.50%	54'											
5B/6B	23	556.11	21	554.83	0.50%	256'											
6B	24	558.04	24C	557.39	0.51%	128'											
6B	24B	559.96	24A	559.10	1.41%	61'											
6B	24C	557.22	26	556.05	0.51%	230'											
6B	24D	561.30	24B	560.13	2.66%	44'											
6B	26	555.88	30	554.86	0.51%			201'									
6B/7B	30	554.69	31	553.58	0.50%				220'								
6B	30A	558.10	30	557.40	2.59%			27'									
7B	31	553.41	32	552.41	0.51%				198'								
7B	32	552.24	34	550.68	0.52%				300'								
7B	33	555.40	33A	554.40	0.61%	163'											
7B	33A	554.23	34A	553.50	1.09%	67'											
7B	34	550.51	34A	549.53	0.51%				193'								
7B	34A	549.36	34B	547.48	3.62%				52'								
7B	35	554.90	37	554.40	0.54%	92'											
8B	36A	555.58	37A	555.20	0.61%	62'											
7B	37	545.00	36B	543.70	1.23%	106'											
7B/8B	37A	555.03	37	554.30	0.61%	120'											
8B	38	555.60	40	554.40	0.54%	221'											
8B	39	555.60	41	554.40	0.54%	221'											
8B	40	554.23	42	553.00	0.67%	183'											
8B	41	554.23	43	553.00	0.67%	183'											
8B	42	540.44	42B	540.17	1.00%								27'				
8B/9B	42A	556.00	42	554.50	1.06%	142'											
8B	43	541.10	42	540.54	1.06%								53'				
8B	43B	541.71	43	541.20	1.13%								45'				
8B/9B	43A	556.00	43	554.50	1.06%	142'											
9B	44	550.50	44A	549.67	1.08%						77'						
9B	44A	549.28	44B	548.82	2.19%						21'						
9B	45	553.43	44A	552.00	0.90%			159'									
TOTALS						2852'		1350'	1974'	152'	98'		125'	191'			

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TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	STP/M-268(4)	2C8
PIH	2025	STP/M-268(4)	2F8
PS&E	2026	STP/M/HSIP-268(4)	2F8

1 REVISED 11-25-2024: UPDATED TABULATED QUANTITY BLOCKS.

2 REVISED 6-22-2026: ADD COLUMN FOR ITEM NO. 607-16.06.

STORM DRAINAGE PIPES (TABLE NO.2)

SHEET NO.	INLET		OUTLET		% GRADE	CLASS III 607-03.02 18"	CLASS IV 607-03.03 18"	CLASS III 607-05.02 24"	CLASS III 607-06.02 30"	CLASS III 607-07.02 36"	CLASS III 607-08.02 42"	CLASS IV 607-08.03 42"	CLASS IV 607-10.03 54"	CLASS III 607-16.02 30"X19"	CLASS III 607-16.04 38"X24"	CLASS III 607-16.06 45"X29"	CLASS III 607-16.09 60"x38"
	CODE NO.	OUTLET ELEV.	CODE NO.	INLET ELEV.													
9B	45A	554.68	45	553.60	1.00%	108'											
9B	46	551.30	44	550.67	0.70%					90'							
9B	46A	551.75	46	551.47	0.67%					42'							
9B	46B	552.33	46A	551.92	0.56%					73'							
9B	46C	555.60	46B	554.40	1.22%	98'											
9B	47	553.83	48	553.50	1.27%					26'							
9B	48	553.00	46B	552.50	1.22%					41'							
9B	49	556.20	47	554.00	1.29%					171'							
9B	49A	558.33	49	557.00	1.06%					126'							
9B	50	557.63	45A	554.85	1.56%	178'											
9B	51	559.13	49A	558.50	1.09%					58'							
9B	52	562.20	51	561.65	1.02%	54'											
9B	52A	567.30	53B	567.10	0.54%	37'											
9B	53	559.80	51	559.30	0.83%					60'							
9B	53A	564.68	53	561.90	1.89%	147'											
9B	53B	566.93	53A	564.85	1.03%	201'											
9B	54	560.50	53	559.97	1.06%				50'								
9B	54A	561.20	54	560.67	0.62%				86'								
9B	54B	562.10	54A	561.77	0.66%				50'								
9B	54C	564.78	54A	564.50	0.72%	39'											
10B	55	571.65	55A	569.10	1.70%	150'											
9B/10B	55A	565.00	54B	562.27	1.56%	175'											
9B	56	559.83	50	557.80	1.62%	125'											
9B	56A	562.83	56	560.00	1.72%	165'											
9B/10B	57	563.44	54B	563.00	0.94%				47'								
9B/10B	58	564.50	56A	563.00	0.82%	183'											
10B	59	567.25	58	566.50	1.74%	43'											
10B	60	567.25	61	567.00	0.71%	35'											
10B	61	566.33	58	565.33	1.03%	97'											
10B	62	567.50	61	566.50	1.96%	51'											
10B	64	575.56	65	575.30	0.93%	28'											
10B	65	573.00	65A	571.85	1.13%	102'											
10B	65A	570.00	66	567.87	1.05%	203'											
10B	66	567.70	67	565.40	1.78%	129'											
10B	67	563.00	69	560.80	1.04%			212'									
10B	68	565.59	67	565.44	0.54%	28'											
10B/11B	69	560.00	71	558.00	1.40%			143'									
11B	71	556.00	75	554.77	1.31%				94'								
11B	73	558.00	74	557.80	0.56%	36'											
11B	74	556.63	75	556.30	0.60%	55'											
11B	75	554.60	76	554.00	0.71%				84'								
11B	76	553.83	77	550.25	2.11%				170'								
11B	77	550.08	82	548.50	1.63%				97'								
11B	79	553.64	77	553.49	0.62%	24'											
11B	80	552.44	81	552.24	0.56%	36'											
11B	81	551.00	82	550.00	1.56%	64'											
11B	82	548.33	83	547.50	1.38%				60'								
11B	83	547.33	84	542.50	2.04%				237'								
11B	84	542.33	84A	541.50	0.80%					104'							
11B	84A	531.40	84B	530.50	1.36%					66'							
11B	85	543.00	86A	542.00	1.61%	62'											
11B	86	531.00	86C	530.11	1.82%		49'										
11B	86A	530.00	86B	529.04	2.23%		43'										
TOTALS						2653'	92'	355'	975'	857'							

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TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	STP/M-268(4)	2C9
PIH	2025	STP/M-268(4)	2F9
PS&E	2026	STP/M/HSIP-268(4)	2F9

1 REVISED 11-25-2024: ADDED SHEET. UPDATED PIPES BETWEEN STRUCTURES 102A, 100, 103, 111C, 111D, 111E, AND 111F.

2 REVISED 6-22-2026: ADD COLUMN AND QUANTITY FOR ITEM NO. 607-16.06.

STORM DRAINAGE PIPES (TABLE NO.3)

SHEET NO.	INLET		OUTLET		% GRADE	CLASS III 607-03.02 18"	CLASS IV 607-03.03 18"	CLASS III 607-05.02 24"	CLASS III 607-06.02 30"	CLASS III 607-07.02 36"	CLASS III 607-08.02 42"	CLASS IV 607-08.03 42"	CLASS IV 607-10.03 54"	CLASS III 607-16.02 30"X19"	CLASS III 607-16.04 38"X24"	CLASS III 607-16.06 45"X29"	CLASS III 607-16.09 60"x38"
	CODE NO.	OUTLET ELEV.	CODE NO.	INLET ELEV.													
11B	87	542.00	86	540.00	2.82%	71'											
11B	88	539.00	88A	538.00	2.08%	48'											
11B/12B	89	547.77	88	545.00	1.76%	157'											
12B	90	550.00	89	547.94	0.95%	216'											
12B	91	552.47	91A	551.59	1.47%	60'											
12B	93	550.80	90	550.17	1.00%	63'											
12B	93A	553.72	93	553.57	0.54%	28'											
12B	93B	553.00	93	551.87	0.60%	188'											
12B	94	555.40	94A	555.22	0.55%			33'									
12B	95	555.92	94	555.57	0.51%			69'									
12B	95A	557.80	95	556.19	7.32%	22'											
12B	97	559.50	95	556.19	1.20%	275'											
12B	99	561.79	99D	561.12	0.67%										100'		
12B	99A	562.61	99	561.96	0.50%										129'		
12B	99E	560.26	99F	559.76	0.56%											90'	
12B/13B	99B	565.33	99A	562.78	1.31%				194'								
12B	99C	563.43	99	562.50	2.91%	32'											
13B	100	570.88	103	570.59	0.50%	58'											
13B	101	566.33	99B	565.50	0.87%			95'									
13B	101A	565.89	99B	565.50	1.44%	27'											
13B	101B	568.13	101	566.50	0.93%			175'									
13B	101C	573.50	101B	568.81	23.45%	20'											
13B	102A	571.49	100	571.41	0.67%	12'											
13B	103	570.42	101B	568.30	2.49%			85'									
13B	103A	572.33	103	570.59	0.56%	309'											
13B	104	573.70	106	573.35	0.60%	58'											
13B	105	573.20	103A	572.50	0.56%	124'											
13B	106	573.18	108	572.93	0.60%	42'											
13B	107	575.00	109	574.37	0.97%	65'											
13B	108	572.76	103A	572.43	0.52%	64'											
13B/14B	109	574.20	109A	573.00	0.60%	200'											
14B	109A	572.83	110	571.60	0.63%	195'											
14B	110	570.00	110A	568.50	0.97%			155'									
14B	110A	568.33	110C	567.50	0.54%				155'								
14B	110B	570.90	110A	569.87	4.12%			25'									
14B	110C	567.33	111	566.40	0.55%				168'								
14B	111	566.23	111C	565.90	0.49%					67'							
14B	111A	567.65	111	567.45	0.74%	27'											
14B	111C	565.73	111F	565.56	0.59%					29'							
14B	111F	565.49	111D	564.57	0.58%					158'							
14B	111D	564.40	113	563.58	0.52%					158'							
14B	111E	567.06	111F	566.70	1.29%	28'											
14B/15B	112	565.70	112A	564.20	0.75%	200'											
15B	112A	562.00	114	560.00	1.11%				180'								
14B/15B	113	563.46	113B	562.20	0.61%					205'							
15B	113B	562.03	115	560.90	0.66%					170'							
15B	114	559.75	114B	559.30	0.56%					80'							
15B	114A	564.75	114	564.66	0.50%			18'									
15B	114B	559.13	116	558.80	0.56%					59'							
15B	115	560.73	117	559.12	0.70%					230'							
15B	116	558.63	116A	558.30	0.51%					65'							
15B	116A	558.13	118	557.80	1.00%					33'							
15B	116B	562.45	116C	562.20	0.52%	48'											
TOTALS						2637'		655'	697'	1254'					229'	90'	

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TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	STP/M-268(4)	2C10
PIH	2025	STP/M-268(4)	2F10
PS&E	2026	STP/M/HSIP-268(4)	2F10

1 REVISED 11-25-2024: ADDED SHEET. UPDATED PIPES BETWEEN STRUCTURES 123J, 123H, 123G, 123F, 124A, 125, 125A, 126A, 128, 128A, 128B, & 130.

2 REVISED 6-22-2026: ADD COLUMN AND QUANTITY FOR ITEM NO. 607-16.06.

STORM DRAINAGE PIPES (TABLE NO.4)

SHEET NO.	INLET		OUTLET		% GRADE	CLASS III 607-03.02 18"	CLASS IV 607-03.03 18"	CLASS III 607-05.02 24"	CLASS III 607-06.02 30"	CLASS III 607-07.02 36"	CLASS III 607-08.02 42"	CLASS IV 607-08.03 42"	CLASS IV 607-10.03 54"	CLASS III 607-16.02 30"X19"	CLASS III 607-16.04 38"X24"	CLASS III 607-16.06 45"X29"	CLASS III 607-16.09 60"x38"
	CODE NO.	OUTLET ELEV.	CODE NO.	INLET ELEV.													
15B	116C	562.03	116A	561.00	0.99%	104'											
15B	117	558.50	117A	557.00	0.77%					196'							
15B	117A	551.70	119A	551.30	0.82%					49'							
15B	118	557.63	118A	555.75	0.92%					204'							
15B	118A	555.58	119B	554.00	0.98%					161'							
15B	119	548.30	119D	547.80	0.96%	52'											
15B	119B	550.50	119C	549.25	1.47%					85'							
15B	120	559.33	119	558.53	0.51%	156'											
15B	120A	545.80	120B	539.90	1.69%												350'
15B	121A	541.35	121	540.65	0.56%							124'					
16B	122B	546.18	121A	544.87	0.50%							261'					
16B	122D	547.80	122B	546.35	0.50%							289'					
16B	122E	568.00	122D	567.50	2.00%	25'											
16B	122F	569.00	122E	568.17	1.48%	56'											
16B	123	549.68	122D	547.97	0.50%						341'						
16B	123A	569.58	124A	569.00	3.05%	19'											
16B	123B	568.98	123C	568.79	0.51%	37'											
16B	123C	568.62	123E	567.95	0.51%	131'											
16B	123E	567.78	123F	567.24	0.50%	107'											
16B	123F	566.75	123K	565.71	1.01%						103'						
16B	123K	548.25	123L	547.19	0.50%							211'					
16B	123G	568.63	123L	568.41	1.00%						22'						
16B	123L	547.02	123H	546.15	0.47%							185'					
15B/16B	123H	545.98	123J	544.59	0.50%							280'					
16B	124	550.75	123	549.85	0.50%							180'					
16B	124A	549.39	123K	548.52	0.50%							175'					
16B	125	550.58	124A	549.57	0.50%							201'					
16B	125B	567.02	125	566.49	1.04%	51'											
16B	125A	551.91	125	550.75	0.50%							231'					
16B/17B	126	552.62	124	550.92	0.50%							340'					
16B/17B	126A	552.72	125A	552.08	0.51%							126'					
17B	127	553.56	126	552.79	0.53%							145'					
17B	128	553.78	126A	553.05	0.51%						143'						
17B	128A	554.66	128	553.95	0.51%						140'						
17B	129	554.61	127	553.73	0.50%						175'						
17B	129A	555.53	129	554.78	0.50%						150'						
17B	129B	556.35	129A	555.70	0.50%					130'							
17B	128B	555.58	128A	554.83	0.50%						150'						
17B	130	556.40	128B	555.75	0.50%						130'						
17B	131	557.55	129B	556.52	0.50%					206'							
17B	131A	558.72	131	557.72	0.50%				200'								
17B	131B	561.20	131A	561.00	0.61%	33'											
17B	132	558.27	130	556.57	0.83%						205'						
17B	132A	559.22	132	558.44	0.50%					155'							
17B	132B	564.60	131D	563.76	0.79%											107'	
17B	133	559.50	131A	558.89	0.50%				121'								
17B	133A	560.25	133	559.67	0.50%				115'								
17B/18B	133B	561.00	133A	560.42	0.50%				115'								
17B	134	560.09	132A	559.39	0.50%					140'							
17B	134A	565.44	134	565.34	0.56%	18'											
17B	135	565.16	138	564.98	0.53%	34'											
17B	136	565.52	135	565.33	0.50%	38'											
17B	138	560.69	134	560.26	0.49%					87'							
TOTALS						861'			551'	1413'	1559'	2748'				107'	350'

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DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	STP/M-268(4)	2C11
PIH	2025	STP/M-268(4)	2F11
PS&E	2026	STP/M/HSIP-268(4)	2F11

1 REVISED 11-25-2024: ADDED SHEET.

2 REVISED 6-22-2026: ADD COLUMN FOR ITEM NO. 607-16.06.

STORM DRAINAGE PIPES (TABLE NO.5)

SHEET NO.	INLET		OUTLET		% GRADE												
	CODE NO.	OUTLET ELEV.	CODE NO.	INLET ELEV.		CLASS III 607-03.02 18"	CLASS IV 607-03.03 18"	CLASS III 607-05.02 24"	CLASS III 607-06.02 30"	CLASS III 607-07.02 36"	CLASS III 607-08.02 42"	CLASS IV 607-08.03 42"	CLASS IV 607-10.03 54"	CLASS III 607-16.02 30"X19"	CLASS III 607-16.04 38"X24"	CLASS III 607-16.06 45"X29"	CLASS III 607-16.09 60"x38"
18B	139	562.43	133B	561.17	0.58%				216'								
18B	139A	563.58	139	562.60	0.50%			196'									
17B	140	561.28	138	560.86	0.49%				85'								
18B	141	567.65	142	566.75	4.09%	22'											
17B/18B	142	562.49	140	561.45	0.50%				207'								
18B	142A	563.63	142	562.66	0.50%			193'									
18B	143	564.55	139A	563.75	0.50%			161'									
18B	143A	566.05	143	564.72	0.54%			246'									
18B	144	564.80	142A	563.80	0.50%			200'									
18B	144A	566.57	144	564.97	0.50%			320'									
18B	145	566.97	143A	566.22	0.44%			171'									
18B	146	567.52	144A	566.74	0.51%			154'									
18B	147	568.02	145	567.40	0.50%									123'			
18B/19B	147A	569.39	147	568.19	0.54%									223'			
18B	148	568.29	146	567.69	0.50%									119'			
18B/19B	148A	570.01	148	568.46	0.50%									308'			
19B	149	570.33	147A	569.56	0.53%	145'											
19B	149A	572.23	149	570.50	1.15%	150'											
19B	150	572.00	148A	570.18	0.98%	185'											
19B	150A	570.30	148A	570.18	0.57%	21'											
19B	151	574.00	149A	572.40	0.64%	251'											
19B	152	574.53	150	572.17	0.86%	276'											
19B	152A	575.69	152	574.70	0.66%	151'											
19B	153	577.21	151	574.70	0.97%	260'											
19B	154	576.66	152A	575.86	0.51%	156'											
19B	155	579.70	153	577.38	1.01%	230'											
19B	156	579.70	154	576.83	1.54%	186'											
20B	157	581.33	157A	580.95	1.00%	38'											
20B	158	582.73	157	581.50	1.62%	76'											
20B	158A	583.10	158	582.90	0.77%	26'											
20B	159	586.23	157	582.00	1.63%	260'											
20B	160	586.85	159	586.40	0.73%	62'											
20B	163	588.00	163B	586.60	0.70%	201'											
20B	163A	590.23	163	588.17	7.63%	27'											
20B/21B	163B	586.43	165	584.42	1.22%	165'											
21B	165	583.66	165A	583.32	0.55%			62'									
21B	165A	583.03	165B	582.75	0.56%			50'									
21B	165B	582.58	165C	582.27	0.52%				60'								
21B	165C	582.10	165D	581.17	0.92%				101'								
21B	165D	581.00	169A	579.87	1.51%				75'								
21B	166	584.23	165	583.83	0.54%	74'											
20B/21B	167	585.83	166	584.40	0.54%	265'											
20B	167A	588.36	167	587.80	2.67%	21'											
21B	168	582.30	169A	581.90	0.53%	76'											
21B	168A	582.57	168	582.47	0.77%	13'											
21B	169	584.50	165D	584.30	0.87%	23'											
21B	169A	579.70	169B	577.67	2.11%				96'								
21B	169B	577.50	169C	576.67	1.43%				58'								
21B	169C	576.50	169D	575.67	0.52%				160'								
21B	169D	573.20	171	571.97	1.11%				111'								
21B	171	571.80	173	567.17	2.88%					161'							
21B	172	579.00	174	577.60	0.81%	173'											
21B/22B	173	567.00	175	562.77	1.28%					331'							
TOTALS						3533'		1753'	1169'	492'				773'			

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DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	STP/M-268(4)	2C12
PIH	2025	STP/M-268(4)	2F12
PS&E	2026	STP/M/HSIP-268(4)	2F12

1 REVISED 11-25-2024: ADDED SHEET.

2 REVISED 6-22-2026: ADD COLUMN AND TOTAL QUANTITY FOR ITEM NO. 607-16.06.

STORM DRAINAGE PIPES (TABLE NO.6)

SHEET NO.	INLET		OUTLET		% GRADE											
	CODE NO.	OUTLET ELEV.	CODE NO.	INLET ELEV.		CLASS III 607-03.02 18"	CLASS IV 607-03.03 18"	CLASS III 607-05.02 24"	CLASS III 607-06.02 30"	CLASS III 607-07.02 36"	CLASS III 607-08.02 42"	CLASS IV 607-08.03 42"	CLASS IV 607-10.03 54"	CLASS III 607-16.02 30"X19"	CLASS III 607-16.04 38"X24"	CLASS III 607-16.06 45"X29"	CLASS III 607-16.09 60"x38"
21B	174	577.00	173	576.50	0.76%	66'											
22B	176	568.00	179	564.50	1.38%	253'											
22B	177	569.58	178	569.10	1.33%	36'											
22B	178	568.50	175	568.00	2.00%	25'											
22B	175	562.60	180	561.67	2.11%					44'							
22B	180	561.50	186	559.87	1.66%					98'							
22B	187	567.00	186	566.50	6.25%			8'									
22B	186	559.54	181	559.10	0.51%					86'							
22B	181	558.78	183	558.17	4.07%					15'							
22B	182	565.80	183	564.70	5.00%	22'											
22B	185	566.98	179	564.60	8.21%	29'											
22B	179	564.33	183	563.69	0.86%	74'											
22B	183	558.00	STUB1	555.00	3.13%					96'							
TOTALS						505'		8'		339'							

STORM DRAINAGE PIPE TOTALS

TABLE NO.	CLASS III 607-03.02 18"	CLASS IV 607-03.03 18"	CLASS III 607-05.02 24"	CLASS III 607-06.02 30"	CLASS III 607-07.02 36"	CLASS III 607-08.02 42"	CLASS IV 607-08.03 42"	CLASS IV 607-10.03 54"	CLASS III 607-16.02 19"X30"	CLASS III 607-16.04 24"X38"	CLASS III 607-16.06 45"X29"	CLASS III 607-16.09 60"x38"
1	2852'		1350'	1974'	152'	98'		125'	191'			
2	2653'	92'	355'	975'	857'							
3	2637'		655'	697'	1254'					229'	90'	
4	861'			551'	1413'	1559'	2748'				107'	350'
5	3533'		1753'	1169'	492'				773'			
6	505'		8'		339'							
TOTALS	13041'	92'	4121'	5366'	4507'	1657'	2748'	125'	964'	229'	197'	350'

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

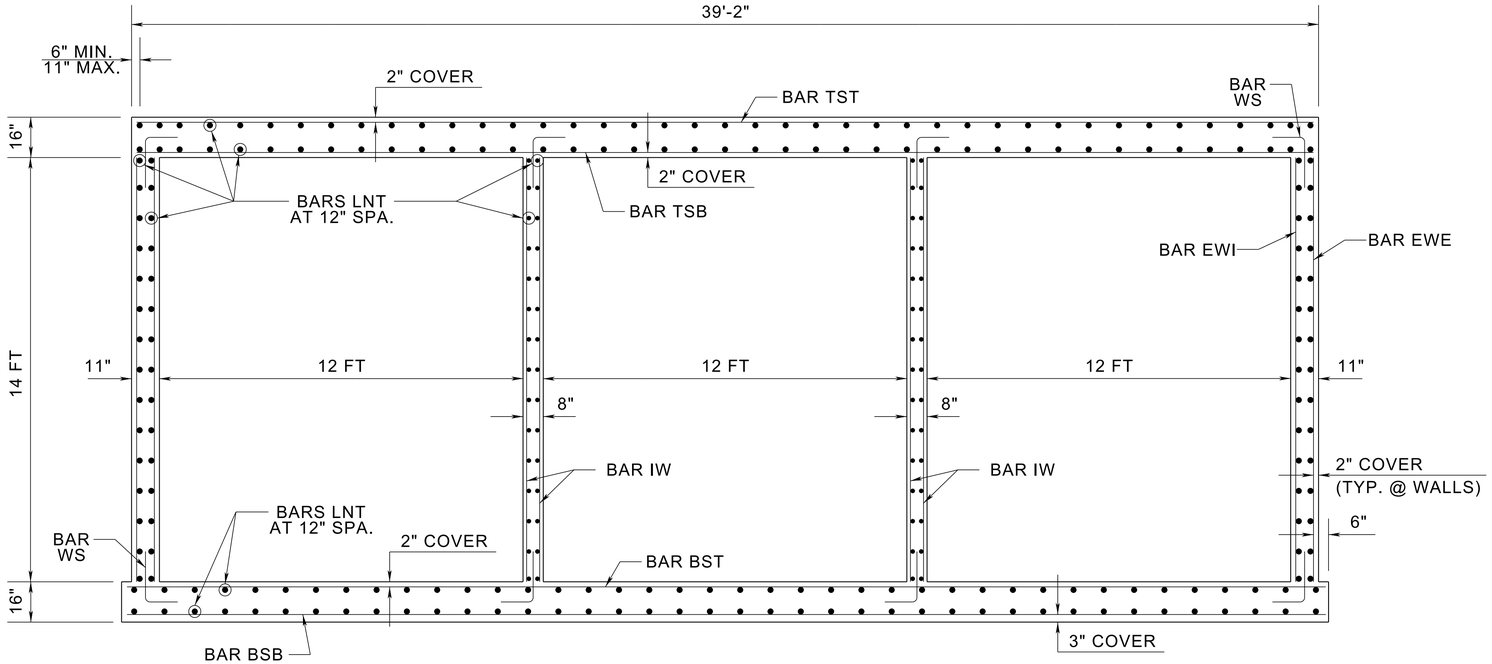
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	2G2

1 REVISED 6-22-2026: ADD SHEET 2G2.

REINFORCED CONCRETE BOX BRIDGE
INTERIOR SECTION

NOTE: FOR DESCRIPTION OF BOX DIMENSIONS AND REINFORCING BAR DESIGNATIONS, SEE STANDARD DRAWING NO. STD-17-5.



TYPICAL SECTION

STATION 100+95.68
SEE SHEETS 11B AND 47 FOR PLAN AND CROSS-SECTION

3 @ 12 x 14 REINFORCED CONCRETE BOX BRIDGE

Maximum Fill Height ft.	Dimensions					Bars TST				Bars TSB				Bars BST				Bars BSB				Bars EWE				Bars EWI				Bars IW				Bars LNT			Bars WS		
	ST in.	SB in.	WT in.	IT in.	BW ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Size	No.	Spacing in.
Continuous 10 ft.	16	16	11	8	39.17	7	2	6	38.67	6	2	6	38.67	8	1	12	39.67	7	2	6	39.67	4	2	12	14	9	4	6	14	6	4	2	14	4	282	12	8	8	12

CONTRACTOR TO REFER TO THE FOLLOWING TDOT STD DWGS FOR WINGWALL AND BOX CULVERT DETAILS:

STD-17-3 General Notes
STD-17-5 Typical Section and Details
STD-17-8 Edge Beam Details
STD-17-15 Wingwall and Special Retaining Wall Design (8ft and 14ft design sections)
STD-17-17 Backfill and Drainage Details
STD-17-18 Backfill Details
STD-17-26 Extension Details

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DETAIL SHEETS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	STP/M-268(4)	11B
PIH	2025	STP/M-268(4)	11B
PS&E	2026	STP/M/HSIP-268(4)	11B

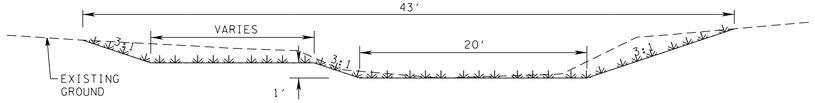
1 REVISED 3-2-2022: UPDATED PROPERTY OWNER FOR TRACTS 92 & 105. UPDATED GENERAL COMMENTS FROM ENVIRONMENTAL ASSESSMENT, UPDATED CALL OUTS, REMOVED FEATURES, AND ADDED FLOW DIRECTION ARROWS. MODIFIED FEATURE DESCRIPTION.

2 REVISED 6-22-2026: ADD WINGWALL SKEW NOTE TO TRIPLE 12'X14' BOX.

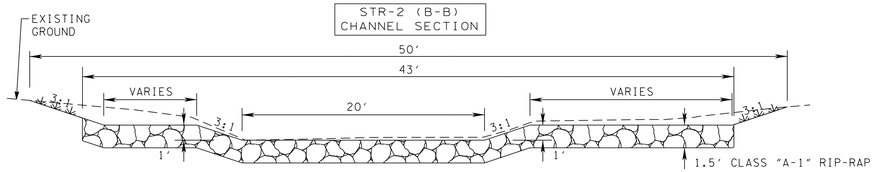
1 RIPRAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIPRAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIPRAP SHALL BE FILLED WITH STREAM BED SUBSTRATE, IF AVAILABLE, TO PREVENT LOSS OF STREAM WITHIN RIP-RAP AREAS. STREAM BED SUBSTRATE CAN BE REMOVED FROM RIP-RAP EMBEDMENT AREA. IF STREAM BED SUBSTRATE IS NOT AVAILABLE, THE FOLLOWING SHOULD BE USED. PRIOR TO PLACEMENT OF RIPRAP, IT SHOULD BE MIXED WITH A MIXTURE OF 70 % CREEK GRAVEL AND 30 % SAND TO FILL THE VOIDS. ONCE THE RIP-RAP MIXTURE HAS BEEN INSTALLED THE AREA SHOULD BE THOROUGHLY COMPACTED. ONCE COMPACTED AN ADDITIONAL 1 -2 INCHES OF SAND AND CREEK GRAVEL SHALL BE ADDED TO FILL IN THE REMAINING VOIDS IF NEEDED. THE CONTRACTOR SHALL ENSURE THAT WATER WILL FLOW OVER THE RIPRAP AND THAT FLOW IS NOT LOST BELOW OR WITHIN THE ROCK.

THE CONTRACTOR SHALL USE ANY MEASURES NECCESARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF STR-2, UNLESS OTHERWISE AUTHORIZED FOR IMPACT, AND THAT THE FEATURES' SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMITTED LOCATIONS.

STR-2 (A-A) CHANNEL SECTION



STR-2 (B-B) CHANNEL SECTION



ASPHALT SHARED USE PATH

STA. 91+91.60 S.R. 268=
STA. 60+00.00 WILTSHIRE DRIVE
N 569862.3172
E 1843570.6452

95

STA. 95+32.34 S.R. 268=
STA. 70+00.00 SOMERSET DRIVE
N 570140.1814
E 1843767.2999

100

STA. 91+00.00 BEGIN "V" SOD DITCH

STA. 93+38.26
25' CONC. BUS. ENT.
30 LF OF 23"x14" HOP
SIDE DRAIN REQ'D.

LIMIT OF CONST. 0+86.50

6'X4' RIP-RAP CLASS "A1"

CURB

"V" SOD DT.

STA. 96+71.58
12' ASP. PVT. DR.
28 LF OF 18" RCP
SIDE DRAIN REQ'D.

LIMIT OF CONST. 1+06.60

6'X4' RIP-RAP CLASS "A1"

STA. 97+00.00 END "V" SOD DITCH

5' SIDEWALK
2' GRASS STRIP
2.5' CURB & GUTTER
1.5' SHOULDER

P.I. = 0+49.89
Δ = 11°07'21" RT.
R = 100.00'

TYPE 38

PROP. GUARDRAIL

S.R.268 (THOMPSON LANE)

N 52° 05' 54" E

86A #14 GT. EL. 547.53 IN. EL. 542.00 OUT.EL. 530.00

86B EW INV. 529.04

END REINFORCED SOIL SLOPE (1H:1V) STA. 100+83.00

8'x4' RIP-RAP CLASS "A"

END STR-2 IMPACT

REINFORCED SOIL SLOPES

BEGIN REINFORCED SOIL SLOPE (1H:1V) STA. 99+61.00

23'X43' RIP-RAP CLASS "C"

OUT.EL. 525.15

11 LF EXTENSION OF 3@12'X14' BOX BRIDGE. 20.75'X7.50' WINGWALLS @ 45°SKEW (15' ALONG STREAM) 2

EXIST. 96' OF 3@12'X14' CONC. BOX

8'x4' RIP-RAP CLASS "A"

18" RCP

86 #14 GT. EL. 547.53 IN. EL. 540.00 OUT.EL. 531.00

86C EW INV. 530.11

88A EW INV. 538.00

88 #12 GT. EL. 549.03 IN. EL. 545.00 OUT.EL. 539.00

69'

MATCH LINE STA. 104+00

SEE SHEET NO. 12B

MATCH LINE STA. 91+00

SEE SHEET NO. 10B

82 MH

30" ST

36" ST

18" RCP

75 MH

77 #12

79 #42

R50' (TYP.)

CR-21 (TYP.)

76 #12

71 #12

74 #12

73 #12

END SIDE WALK RT. STA. 60+82.48

1

LIMIT OF CONST. 0+80.00

GT. EL. 556.50 OUT.EL. 552.44

STA. 61+26.45
12' CONC. PVT. DR.
NO SIDE DRAIN REQ'D.

END SIDE WALK LT. STA. 60+78.64

LIMIT OF CONST. STA. 71+00.00
N 570094.4663
E 1843856.2388

END SIDE WALK RT. STA. 70+67.34

END SIDE WALK LT. STA. 70+97.85

S 62° 47' 48" E

S 57° 28' 36" E

CURB

STA. 62+23.08
12' CONC. PVT. DR.
1 NO SIDE DRAIN REQ'D.

LIMIT OF CONST. 0+55.00

LIMIT OF CONST. STA. 62+36.36
N 569735.2400
E 1843769.9382

WILTSHIRE DRIVE

SOMERSET DRIVE

S 54° 11' 51" E

N 52° 42' 01" W

76 #12 GT. EL. 559.21 IN. EL. 554.00 OUT.EL. 553.83

77 #12 GT. EL. 555.96 IN. EL. 553.49 IN. EL. 550.25 OUT.EL. 550.08

71 #12 GT. EL. 562.61 IN. EL. 558.00 OUT.EL. 556.00

73 #12 GT. EL. 562.08 OUT.EL. 558.00

74 #12 GT. EL. 562.08 IN. EL. 557.80 OUT.EL. 556.63

75 MH GT. EL. 560.91 IN. EL. 556.30 IN. EL. 554.77 OUT.EL. 554.60

79 #42 GT. EL. 556.60 OUT.EL. 553.64

81 #12 GT. EL. 556.50 IN. EL. 552.24 OUT.EL. 551.00

82 MH GT. EL. 554.22 IN. EL. 548.50 IN. EL. 550.00 OUT.EL. 548.33

83 #14 GT. EL. 552.97 IN. EL. 547.50 OUT.EL. 547.33

84 #14 GT. EL. 548.43 IN. EL. 542.50 OUT.EL. 542.33

84A #14 GT. EL. 547.35 IN. EL. 541.50 OUT.EL. 531.40

85 #14 GT. EL. 547.05 OUT.EL. 543.00

PI = 0+70.45
Δ = 39°08'59" LT.
R = 80.00'

CR-21 (TYP.)

PROP. GUARDRAIL

LIMIT OF CONST. 1+01.00

STA. 96+61.75
12' CONC. PVT. DR.
NO SIDE DRAIN REQ'D.

13'x6' RIP-RAP CLASS "A"

84B EW

87 #14 +84

IN. EL. 525.99

TYPE 38

10' SHARED USE PATH
3' GRASS STRIP
2.5' CURB & GUTTER

15 LF EXTENSION OF 3@12'X14' BOX BRIDGE. 20.75'X7.50' WINGWALLS @ 45°SKEW (15' ALONG STREAM) 2

BEGIN STR-2 IMPACT

(STR-2) SINKING CREEK

84B EW INV. 530.50

87 #14 GT. EL. 547.26 OUT.EL. 542.00

*CONTRACTOR SHALL NOT USE ANY NON-NATIVE OR INVASIVE SPECIES WITHIN 60 FEET OF THE STREAM

THE STREAM CHANNEL SHALL BE CONSTRUCTED SO THAT IT ALIGNS WITH A SINGLE BARREL OF THE STREAM CONVEYANCE STRUCTURE. THE STREAM AT THE INLET AND OUTLET OF PROPOSED STREAM CONVEYANCE STRUCTURES SHALL BE RESTORED TO THE PRECONSTRUCTION STREAM CHANNEL CROSS-SECTION MATCHING THE CHANNEL BOTTOM WIDTH WITH BANK BY USING THE EXCAVATED STREAM AND STREAM BANK MATERIALS, OR OTHER MATERIALS IF SPECIFIED. ONCE THE CONSTRUCTION OF THE STREAM CONVEYANCE STRUCTURE IS COMPLETE. ALL BARRELS SHALL BE BACKFILLED. WHEN RECONSTRUCTING THE STREAM BANK, USE A COIR FIBER ROLL AT THE TOE OF THE BANK TO PROVIDE BANK STABILITY WHILE NATIVE VEGETATION ESTABLISHES.STANDARD DRAWING D-NSD-33 MUST BE USED FOR COIR FIBER ROLL INSTALLATION. THE BANK HEIGHT SHOULD BE CONSTRUCTED ONE (1) FOOT HIGHER THAN THE STREAM BED AT THE CULVERT WITH THE ADDITIONAL FOOT OF MATERIAL INSTALLED IN THE BARREL(S) OF THE STRUCTURE THAT DO NOT CONVEY THE NORMAL STREAM FLOW.THE ADDITIONAL MATERIAL IN THE ADJACENT BARREL(S) WILL PREVENT NORMAL STREAM FLOW FROM ENTERING THE (THOSE) BARREL(S).TAPER THE ONE-FOOT BANK HEIGHT FROM THE CULVERT TO THE EXISTING BANK HEIGHT WITHIN 25 FEET OF BOTH ENDS OF THE STRUCTURE TO TIE BACK TO THE EXISTING STREAM CHANNEL BANK.STREAM BANK MATERIALS EXCAVATED DURING THE CONSTRUCTION OF THE STREAM CONVEYANCE STRUCTURE, OR OTHER MATERIALS IF SPECIFIED, SHOULD BE USED WHEN RECONSTRUCTING THE STREAM BANK ONCE THE STRUCTURE IS COMPLETE. NATIVE SEED MIXTURES AS SPECIFIED IN STANDARD DRAWING STD-17-20 SHALL BE PLANTED ONCE THE BANK CONSTRUCTION IS COMPLETE. IF NATURAL CHANNEL DESIGN IS PROPOSED AT THE STRUCTURE INLET, OUTLET, OR BOTH, IMPLEMENT THE DESIGN AS SHOWN IN THE NATURAL CHANNEL DESIGN PLANS INSTEAD OF RESTORING THE CHANNEL TO THE PRECONSTRUCTION CROSS-SECTION. BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIPRAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIPRAP SHALL BE FILLED WITH STREAM BED SUBSTRATE, IF AVAILABLE, TO PREVENT LOSS OF STREAM WITHIN RIP-RAP AREAS. STREAM BED SUBSTRATE CAN BE REMOVED FROM RIP-RAP EMBEDMENT AREA. IF STREAM BED SUBSTRATE IS NOT AVAILABLE, THE FOLLOWING SHOULD BE USED. PRIOR TO PLACEMENT OF RIPRAP, IT SHOULD BE MIXED WITH A MIXTURE OF 70 % CREEK GRAVEL AND 30 % SAND TO FILL THE VOIDS. ONCE THE RIP-RAP MIXTURE HAS BEEN INSTALLED THE AREA SHOULD BE THOROUGHLY COMPACTED. ONCE COMPACTED AN ADDITIONAL 1-2 INCHES OF SAND AND CREEK GRAVEL SHALL BE ADDED TO FILL IN THE REMAINING VOIDS IF NEEDED. THE CONTRACTOR SHALL ENSURE THAT WATER WILL FLOW OVER THE RIPRAP AND THAT FLOW IS NOT LOST BELOW OR WITHIN THE ROCK.

ANY TEMPORARY IMPACT WITHIN THE PERMANENT DRAINAGE EASEMENT SHALL BE RETURNED TO EXISTING CONDITIONS.

SEALED BY

DAVID NEAL MCCLATCHEY, JR. REGISTERED ENGINEER AGRICULTURE COMMERCE No. 125188 STATE OF TENNESSEE

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000070 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

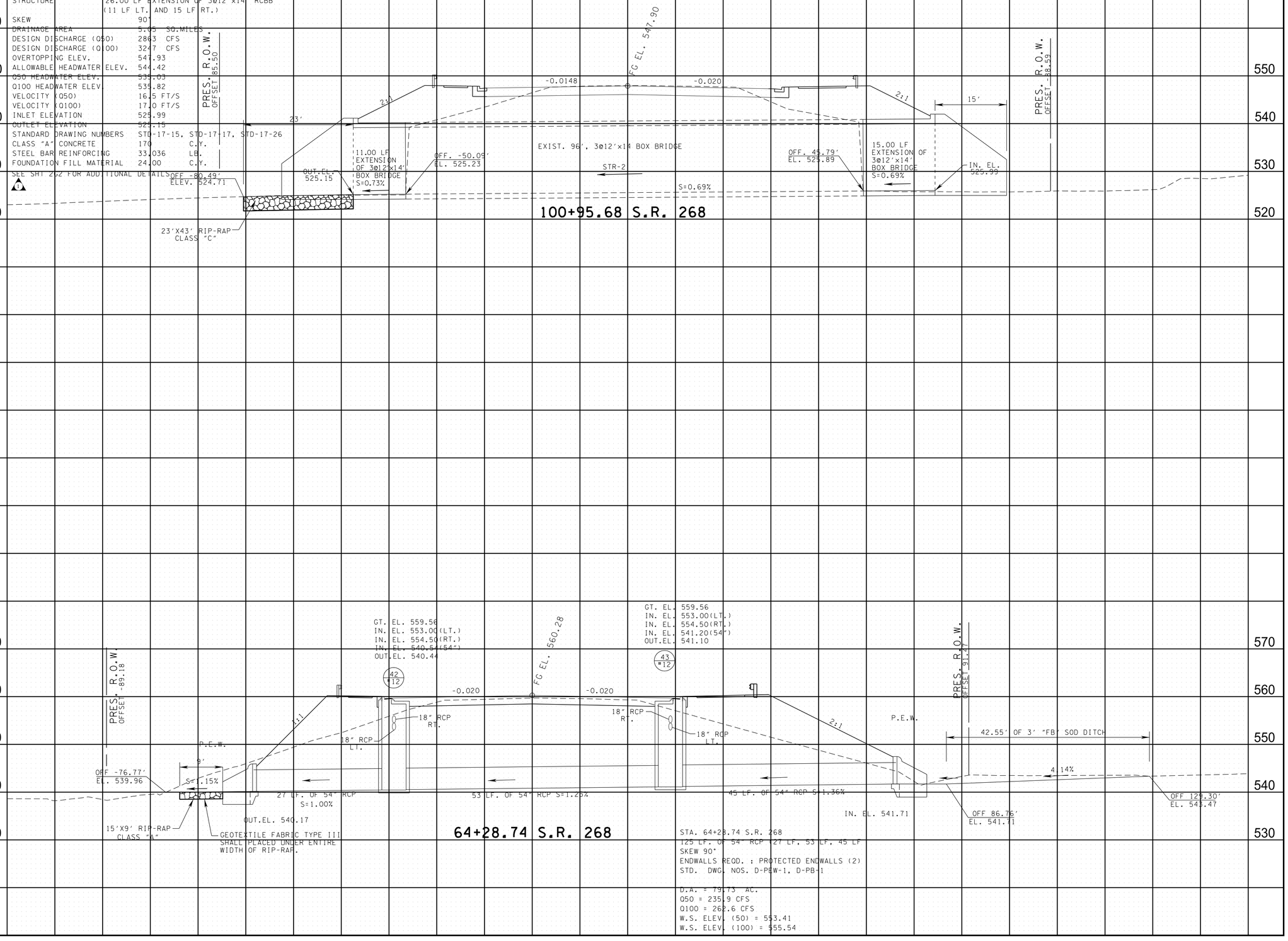
STA. 00+00 TO STA. 104+00
SCALE: 1"= 50'

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65

75

STATION	100+95.68 S.R. 268
STRUCTURE	26.00 LF EXTENSION OF 3@12'x14' RCBB (11 LF LT. AND 15 LF RT.)
SKEW	90°
DRAINAGE AREA	5.65 SQ.MILES
DESIGN DISCHARGE (Q50)	2863 CFS
DESIGN DISCHARGE (Q100)	3247 CFS
OVERTOPPING ELEV.	547.93
ALLOWABLE HEADWATER ELEV.	544.42
Q50 HEADWATER ELEV.	535.03
Q100 HEADWATER ELEV.	535.82
VELOCITY (Q50)	16.5 FT/S
VELOCITY (Q100)	17.0 FT/S
INLET ELEVATION	525.99
OUTLET ELEVATION	525.15
STANDARD DRAWING NUMBERS	STD-17-15, STD-17-17, STD-17-26
CLASS "A" CONCRETE	170 C.Y.
STEEL BAR REINFORCING	33,036 LB.
FOUNDATION FILL MATERIAL	24.00 C.Y.
SEE SHT 2G2 FOR ADDITIONAL DETAILS. (1)	



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	STP/M-268(4)	44
PIH	2025	STP/M-268(4)	47
PS&E	2026	STP/M/HSIP-268(4)	47

(1) REVISED 6-22-2026: UPDATED STANDARD DRAWING LIST AND ADDED NOTE TO SEE SHEET 2G2.

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DAVID NEAL MCCLATCHEY JR. REGISTERED ENGINEER AGRICULTURE COMMERCE No. 127168 STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTION

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

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THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Craig Hendrich Digitally signed by Craig Hendrich
Date: 2026.06.22 17:24:29-05'00'

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

COMPANY NAME: HDR Inc.
ADDRESS: 120 Brentwood Commons Way, Suite 525

CITY, STATE: Brentwood, TN
PE NAME, P.E. NO.: Craig S. Hendrich, 125525

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE OF TENN. CODE ANN. §62-2-306.

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	GEOTECH-SIGN2
GEOTECHNICAL INDEX	G1
GEOTECHNICAL NOTES AND ESTIMATED QUANTITIES	G2
GEOTECHNICAL REINFORCED SOIL SLOPES NOTES AND MATERIAL PROPERTY REQUIREMENTS	G39

YEAR	PROJECT NO.	SHEET NO.
2026	STP/M/HSIP-268(4)	GEOTECH-SIGN2

REV. 06-22-2026
ADDED SHEET TO PLANS

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

$$$$DATE$$$$$$$
G:_EBS_HDR PROJECTS\110406534 - SR 268 WO7\DWGS\115906-00-SOILSSHT-SIGN1.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	G1

REV. 06-22-2026
ADDED GEOTECH-SIGN2 TO INDEX

GEOTECHNICAL INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEET	GEOTECH-SIGN2
GEOTECHNICAL INDEX	G1
GEOTECHNICAL NOTES AND ESTIMATED QUANTITIES	G2
GEOTECHNICAL BORING LAYOUTS AND PROFILES	G3 - G23
GEOTECHNICAL TYPICAL SECTIONS	G24 - G38
GEOTECHNICAL REINFORCED SOIL SLOPES NOTES AND MATERIAL PROPERTY REQUIREMENTS	G39
GEOTECHNICAL REINFORCED SOIL SLOPES PLACEMENT DETAILS AND REQUIREMENTS	G40
GEOTECHNICAL SINKHOLE REPAIR DETAILS	G41

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL INDEX

$$$$DATE$$$$$$$$$$$$TIME$$$$$$$$
G:_EBS_HDR PROJECTS\10406534 - SR 268 WO7\DWGS\115906-00-SOILSSHT-01.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	G2

REV. 06-22-2026
UPDATED ESTIMATED GEOTECHNICAL QUANTITIES TABLE
UPDATED TABULATED GEOTECHNICAL QUANTITIES TABLE

DEFINTION OF EARTHWORK TERMS

THE TERMS AND DEFINITIONS BELOW SHALL CHARACTERIZE THE MATERIAL TYPE THAT WILL BE ENCOUNTERED DURING EXCAVATION AND GRADING. SEE TYPE MATERIAL REFERENCE IN TYPICAL SECTIONS LEGEND.

A. SOIL MATERIAL

SOIL MATERIAL IS MATERIAL THAT IS PREDOMINANTLY MADE UP OF NATURALLY OCCURRING MINERAL PARTICLES WHICH ARE FAIRLY READILY SEPARATED INTO RELATIVELY SMALL PIECES, AND IN WHICH THE MASS MAY CONTAIN AIR, WATER OR ORGANIC MATERIALS. THIS MATERIAL MAY CONTAIN ROCK PIECES IN THE FORM OF DISCONNECTED SLABS, LENSES, OR BOULDERS OF LESS THAN APPROXIMATELY 0.5 CUBIC YARDS. THE MAIN SOIL GROUPS CONSIST OF CLAY, SILT, SAND, GRAVEL, COBBLES, BOULDERS (LESS THAN 0.5 CUBIC YARD VOLUME) OR A COMBINATION OF ANY OF THE CONSTITUENTS. FOR CONSTRUCTION PURPOSES, THIS MATERIAL WOULD TYPICALLY BE CONSIDERED TO BE EXCAVATABLE BY CONVENTIONAL EXCAVATION MACHINERY SUCH AS PANS, TRACK HOES, OR FRONT END EXCAVATORS/LOADERS.

B. SOLID ROCK MATERIAL

SOLID ROCK MATERIAL IS THAT NATURALLY OCCURRING MATERIAL COMPOSED OF MINERAL PARTICLES SO FIRMLY BONDED TOGETHER THAT RELATIVELY GREAT EFFORT IS REQUIRED TO SEPARATE THE PARTICLES (I.E. BLASTING OR HEAVY CRUSHING FORCES). FOR CONSTRUCTION PURPOSES, THIS MATERIAL WOULD TYPICALLY HAVE TO BE BLASTED TO SEPARATE INTO PIECES SMALL ENOUGH TO LOAD AND TRANSPORT ON EARTH MOVING TRUCKS AND WHICH WHEN SUBJECTED TO PROPER PRE-SPLIT AND PRODUCTION BLASTING WOULD RESULT IN A UNIFORM STABLE ROCK CUT FACE. NOTE THAT THIS MATERIAL WOULD NOT BY DEFINITION NECESSARILY BE A PROVEN SOURCE OF ANY ROCK TYPE AGGREGATE SUCH AS SOLID ROCK, GRADED SOLID ROCK, RIP RAP, OR OTHER ROCK AGGREGATE CONSTRUCTION PRODUCTS.

C. SOFT ROCK OR DEGRADABLE ROCK

THIS MATERIAL IS THAT NATURALLY OCCURRING MATERIAL COMPOSED OF MINERAL PARTICLES THAT ARE SO FIRMLY BONDED SUCH THAT THEY ARE NOT FAIRLY READILY SEPARATED INTO SMALL PIECES YET HAS SUCH RELATIVELY LOW BONDING STRENGTH THAT WOULD ALLOW FOR SEPARATING INTO SMALL PIECES THROUGH MODERATE TO HEAVY CRUSHING FORCES. FOR CONSTRUCTION PURPOSES THIS MATERIAL WOULD HAVE TO BE SUBJECTED TO RIPPING TYPE EQUIPMENT, HOE RAMS, OR RUGGED USE OF A LARGE BULLDOZER IN ORDER TO SEPARATE THE MATERIAL SUCH THAT IT CAN BE READILY LOADED INTO EARTH MOVING TRUCKS. THESE MATERIALS WOULD TYPICALLY BE SHALES, CLAYSTONES, SILTSTONES, WEATHERED SANDSTONES, WEATHERED SCHIST AND WEATHERED GNEISS.

D. TRANSITIONAL MATERIALS

THIS MATERIAL IS THAT MATERIAL COMPRISED OF A COMBINATION OF SOIL AND ROCK (MATERIALS A, B, AND C) OCCURRING IN EITHER NON-UNIFORM INTERBEDDED LAYERS OF THE ABOVE MATERIALS (I.E. SHALE MATERIAL WITH RELATIVELY THIN LAYERS OF SOLID ROCK SUCH AS HARD LIMESTONE) OR ERRATIC LOCALIZED CHANGES OF MATERIAL TYPES BOTH LATERALLY AND WITH DEPTH (SUCH AS A GEOLOGIC FORMATION RESULTING IN PINNACLED ROCK COLUMNS, FLOATING BOULDERS OR LENSES INTERCALATED WITH CLAY SOIL, A COMMON OCCURRENCE IN CERTAIN REGIONS OF TENNESSEE). FOR CONSTRUCTION PURPOSES, THIS MATERIAL MAY HAVE TO BE EXCAVATED USING A COMBINATION OF EXCAVATION METHODS SUCH AS BLASTING OF ROCK PINNACLES, LAYERS OR BOULDERS ALONG WITH A RIPPING OF WEATHERED ROCK AND EXCAVATING OF SOIL WITH TRACK HOES OR LOADERS ALL WITHIN A LOCALIZED AREA. THIS MATERIAL WOULD NOT BE SUITABLE FOR THE USE OF EXCAVATING PAN TYPE EQUIPMENT.

GEOTECHNICAL NOTES

THE FOLLOWING CONSTRUCTION NOTES SHOULD BE INCLUDED WITHIN THE CONSTRUCTION PLANS:

1. THE NATURAL MOISTURE CONTENTS OF THE OVERBURDEN SOILS AT THE TIME OF DRILLING ARE TYPICALLY NEAR OR ABOVE THE UPPER LIMIT OF THE 95% COMPACTION MOISTURE RANGE. DRYING, HANDLING AND MANIPULATION OF THE SOILS IS LIKELY TO BE REQUIRED IN ORDER TO ACHIEVE THE PROPER MOISTURE CONTENT REQUIRED TO SATISFY THE COMPACTION REQUIREMENT.

2. INSTALLATION OF EROSION CONTROL MATTING AND ESTABLISHMENT OF VEGETATION SHALL BE CONDUCTED AS SOON AS PRACTICAL TO PREVENT EROSION OF THE CUT AND FILL SLOPES.

ESTIMATED GEOTECHNICAL QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(2)(4)	203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	132885
(1)	203-05	UNDERCUTTING	C.Y.	70400
(6)(3)	205-02.01	RSS BACKFILL	C.Y.	20287
(5)	709-05.05	MACHINED RIP-RAP CLASS A-3	TON	5940
(4)	740-06.01	GEOMEMBRANE	S.Y.	178
(3)	740-07.12	UNIAXIAL GEOGRID REINFORCEMENT TYPE 2	S.Y.	82262

TABULATED GEOTECHNICAL QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(4)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	12
(1)(2)(4)(5)	740-10.04	GEOTEXTILE (TYPE IV) (STABILIZATION)	S.Y.	118900

NOTE: FOR BIDDING PURPOSES, THESE QUANTITIES ARE INCLUDED IN THE SHEET 2 SERIES.

FOOTNOTES:

(1) THIS ITEM TO BE USED FOR STATION RANGES LISTED IN NOTE 6 OR OTHERWISE AS DIRECTED BY ENGINEER FOR THE STABILIZATION OF SUBGRADE.
(2) THIS ITEM TO BE USED FOR STATION RANGES LISTED IN NOTE 6 OR OTHERWISE AS DIRECTED BY ENGINEER FOR EMBANKMENT STABILIZATION.
(3) THIS ITEM TO BE USED FOR CONSTRUCTION OF THE REINFORCED SOIL SLOPES.
(4) THIS ITEM TO BE USED FOR THE RE-TREATMENT OF THE EXISTING SINKHOLE NEAR STATION 72+85, 30 FEET LEFT OFFSET.
(5) THIS ITEM TO BE USED FOR THE PROTECTION OF SLOPES STEEPER THAN 2:1 AGAINST EROSION AND SURFICIAL SLOUGHING. CLASS A-3 RIP-RAP SHALL BE PLACED IN TWO, 1-FT. THICK LAYERS.
(6) EXCAVATION NECESSARY FOR THE CONSTRUCTION OF THE REIFORCED SOIL SLOPES SHALL BE CONSIDERED INCIDENTAL TO THE SITE PREPARATION AND WILL NOT BE PAID FOR SEPARATELY. THERE IS AN ESTIMATED 3,509 CUBIC YARDS OF EXCAVATION REQUIRED FOR REINFORCED SOIL SLOPE INSTALLATION.

3. TOPOGRAPHIC MAPPING INDICATES THE PRESENCE OF ENCLOSED DEPRESSIONS NEARBY THE PROPOSED ALIGNMENT, PINNACLE LIMESTONE DEVELOPMENT OBSERVED AND NOTED DURING AN ALIGNMENT WALK THROUGH, AND AN ERRATIC DEPTH TO ROCK WITHIN SHORT DISTANCES EXHIBITED DURING DRILLING OPERATIONS WERE FEATURES OF SIGNIFICANCE. THESE FEATURES REPRESENT THE POTENTIAL FOR KARST FEATURE DEVELOPMENT REQUIRING REMEDIATION DURING CONSTRUCTION OPERATIONS. ONE (1) REPAIRED SINKHOLE WAS OBSERVED AND DOCUMENTED IMMEDIATELY ADJACENT TO NORTH THOMPSON LANE NEAR STATION 72+85, 30 FEET LEFT OFFSET. SINKHOLE TREATMENT 2A, IN COMPLIANCE WITH TDOT SOILS SINKHOLE REPAIR SHEET, IS RECOMMENDED TO RE-TREAT THE SINKHOLE. ANY ADDITIONAL SINKHOLES ENCOUNTERED DURING CONSTRUCTION WILL REQUIRE SITE SPECIFIC RECOMMENDATIONS FROM THE GEOTECHNICAL ENGINEERING SECTION BASED ON CONDITIONS EXISTING AT THE TIME OF DISCOVERY.

4. LIMESTONE SEAMS, COBBLES, AND BOULDERS SHOULD BE ANTICIPATED, WITHIN THE SOIL MASS OVERLYING BEDROCK, AT VARIABLE DEPTHS AND WITH VARIABLE THICKNESS THROUGHOUT THE PROJECT ALIGNMENT. BEDROCK ALONG THE PROJECT ALIGNMENT EXIST AT SHALLOW ELEVATIONS, WILL BE “PINNACLE”, AND WILL BE ENCOUNTERED AT ELEVATIONS ABOVE THE PROPOSED EXCAVATION LIMITS. PORTIONS OF THE MATERIAL MAY BE EXCAVATED WITH CONVENTIONAL EARTHMOVING EQUIPMENT, WHILE SPECIALIZED EQUIPMENT MAY BE REQUIRED TO EXCAVATE TO FINISHED GRADE.

5. ANY UNSUITABLE SOILS ENCOUNTERED WITHIN 2 FEET BELOW THE BOTTOM OF THE CULVERT SLAB MUST BE EXCAVATED AND BACKFILLED WITH PROPERLY COMPACTED SOIL UP TO THE ELEVATION OF THE BOX FOUNDATION TREATMENT.

6. SOME OF THE A-5, A-6 AND A-7 SOILS ENCOUNTERED WITHIN DRILLED INTERVALS ON THIS PROJECT MAY IMPEDE CONSTRUCTION. SOFT COHESIVE SOILS ENCOUNTERED IN CUT SECTIONS SHALL BE UNDERCUT A MINIMUM 3 FT OR TO COMPETENT SOILS, WHICHEVER IS SHALLOWER. SOFT COHESIVE SOILS ENCOUNTERED IN EMBANKMENT SECTIONS SHALL BE UNDERCUT A MINIMUM 3 FT OR TO COMPETENT SOILS, WHICHEVER IS SHALLOWER, OR OVERLAIN WITH A MINIMUM OF 3 FT OF GRADED SOLID ROCK TO CONSTRUCT A ROCK PAD PRIOR TO PLACEMENT OF EMBANKMENT FILL. ROCK PAD AND UNDERCUT BACKFILL MATERIAL SHALL BE GRADED SOLID ROCK AND TYPE IV GEOTEXTILE PER TDOT SPECIFICATIONS. ROCK PAD CONSTRUCTION AND UNDERCUTTING AND BACKFILLING SHOULD BE EXPECTED WITHIN THE FOLLOWING INTERVALS, AND AS DIRECTED AND MODIFIED BY THE ENGINEER:

ROCK PAD STATION RANGE	UNDERCUT AND BACKFILL STATION RANGE		
62+00 TO 65+50	15+50 TO 17+50	104+50 TO 105+50	176+50 TO 178+50
103+50 TO 104+50	23+00 TO 47+00	143+00 TO 150+00	217+00 TO 220+00
150+00 TO 153+00	72+50 TO 85+50	169+00 TO 171+00	231+50 TO 234+50

7. TEMPORARY SHEETING, SHORING, COFFERDAMS, AND/OR A DEWATERING METHOD MAY BE REQUIRED FOR THE INSTALLATION OF THE CULVERT.

8. ALL EMBANKMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. USE OF PRE-BENCHING WILL BE REQUIRED TO CONSTRUCT EMBANKMENTS IN SOME LOCATIONS ALONG THE PROPOSED NORTH THOMPSON LANE ALIGNMENT AND SHALL BE DONE IN ACCORDANCE WITH SECTION 205.

9. SUBSURFACE CONDITIONS INDICATE THE POTENTIAL SETTLEMENT FOR THE SR 268 EMBANKMENT INTERVALS FROM STATION 63+00± TO 67+00±AND STATION 150+00±TO STATION 156+00±WILL RANGE FROM 2.8 TO 4.0 INCHES. THE TIME ESTIMATED FOR AN APPROPRIATE AMOUNT OF SETTLEMENT TO DISSIPATE RANGES FROM 97 TO 114 DAYS. LONGER TIME FRAMES WILL BE REQUIRED FOR THE ESTIMATED REMAINING SETTLEMENTS OF 1.0 INCH OR LESS TO DISSIPATE. PAVING OPERATIONS SHALL NOT COMMENCE UNTIL APPROVED BY THE ENGINEER.

10. SLOPES STEEPER THAN 2H:1V SHALL BE CONSTRUCTED USING GEOGRID AND ARMORED RIPRAP FACING AS SPECIFIED IN THE REINFORCED SOIL SLOPE SHEETS. REINFORCED SOIL SLOPES SHALL BE CONSTRUCTED AT THE FOLLOWING INTERVALS:

STATION RANGE	OFFSET	STATION RANGE	OFFSET
39+75 TO 40+35	LEFT	58+57.08 TO 61+75	RIGHT
40+35 TO 46+31	RIGHT & LEFT	63+75 TO 70+25	LEFT
50+75 TO 54+26.66	RIGHT	99+61 TO 100+83	LEFT
59+24.21 TO 61+75	LEFT		

SEALED BY

CRAIG S. HENDRICK
REGISTERED ENGINEER
No. 124524
STATE OF TENNESSEE
06/22/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL NOTES & EST. QTYS.

$$$$DATE$$$$$$$$$$TIME$$$$$$
G:_EBS_HDR PROJECTS\10406534 - SR 268 WO7\DWGS\115906-00-SOILSSHT02.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	G39

REV. 06-22-2026
UPDATED ESTIMATED ITEM NUMBER 740-07.12

REQUIRED ITEM NO. 740-07.12: UNIAXIAL GEOGRID REINFORCEMENT TYPE 2 (S.Y.)
SELECT GEOGRID FROM THE QUALIFIED PRODUCTS LIST, QPL 36, SECTION C: GEOGRIDS FOR REINFORCED SOIL SLOPES, AS LISTED AT THE TIME OF THE PROJECT LETTING.

REQUIRED ITEM NO. 205-02.01: RSS BACKFILL MATERIAL (C.Y.)
AASHTO SOIL CLASSIFICATION GROUP A-6 OR BETTER REQUIRED

REINFORCED SOIL SLOPE DESIGN NOTES

UNLESS SPECIFICALLY STATED OTHERWISE IN THE CONTRACT PLANS, THE BIDDING FOR, THE DESIGN OF AND THE CONSTRUCTION OF REINFORCED SOIL SLOPES SHOWN IN THE PLANS SHALL BE GOVERNED BY THE TENNESSEE DEPARTMENT
OF TRANSPORTATION SPECIAL PROVISION 205 REGARDING REINFORCED SOIL SLOPES. 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.

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 REINFORCED SOIL SLOPE(S) 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.

SLOPE FACING

TO PREVENT EROSION AND SURFICIAL SLOUGHING AT THE FACE OF THE SLOPE, AN EROSION CONTROL BLANKET IS REQUIRED FOR ALL SLOPES STEEPER THAN 3:1, INCLUDING WHERE THE SLOPE RATIO TRANSITIONS FROM A 2:1 TO A 3:1. SEE TDOT ROADWAY DESIGN STANDARD DRAWING EC-STR-34 "EROSION CONTROL BLANKET FOR SLOPE INSTALLATION" FOR DETAILS. FOR SLOPES STEEPER THAN 2:1, AN ARMORED SLOPE FACING CONSISTING OF TWO, 1-FT. THICK LAYERS OF MACHINED RIPRAP CLASS A-3 IS REQUIRED.

NO MEASURES ARE REQUIRED FOR SLOPES WITH PROPOSED CONCRETE SLOPE PAVEMENT COVER.

SETTLEMENT

THE REINFORCED SOIL SLOPE IS EXPECTED TO SETTLE APPROXIMATELY 3.0 INCHES FROM STATION 63+00 TO STATION 67+00 DURING CONSTRUCTION. BASED ON THE AVAILABLE GEOTECHNICAL SUBSURFACE INFORMATION, MOST OF THE SETTLEMENT IS EXPECTED TO OCCUR WITHIN 4 MONTHS, WITH APPROXIMATELY LESS THAN 1.0 EXPECTED TO OCCUR AFTER 4 MONTHS. SETTLEMENT SHOULD BE MONITORED DURING CONSTRUCTION TO INSURE THAT IT HAS OCCURRED BEFORE BEGINNING PAVING OPERATIONS.

FOOTNOTES

(1) ADJACENT ROLLS OF GEOGRID LAYERS SHALL BE OVERLAPPED A MINIMUM OF 6" OR CONNECTED BY FASTENERS. COST OF OVERLAP AND/OR FASTENERS IS NOT A SEPARATE PAY ITEM. COST IS TO BE INCLUDED IN UNIT PRICE OF GEOGRID. GEOGRID SHALL BE PLACED CONTINUOUSLY FOR THE REQUIRED LENGTH IN THE MACHINE DIRECTION WITH NO SPLICING OR OVERLAPPING ALLOWED TO ACHIEVE REQUIRED LENGTH.

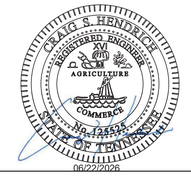
(2) PORTION OF GEOGRID TO BE CUT AND REMOVED WITHIN RADIUS OF EMBANKMENT. CUT AREA IS INCLUDED IN UNIT COST OF GEOGRID AS IN-PLACE QUANTITY. NO PAYMENT IS MADE FOR THIS AMOUNT OF GEOGRID.

(3) WIDTH OF GEOGRID ROLL IS NOT SPECIFIED, WIDTH BASED ON MANUFACTURER OF GEOGRID.

IN THE UPPER 10 FEET OF EMBANKMENT, GEOGRID LAYERS SHALL HAVE A STRUCTURAL FRAME CONSISTING OF GALVANIZED STEEL BARS; PIPES OR STRAPS WITH POSITIVE CONNECTORS TO GEOGRID CONSTRUCTED IN THE ZONE OF GUARDRAILS OR OTHER OBSTRUCTIONS. THIS STRUCTURAL FRAME SHALL BE DESIGNED TO ADEQUATELY TRANSFER THE REQUIRED TENSILE LOAD OF THE GRID FROM THE FRONT OF THE OBSTRUCTIONS TO THE BACK OF THE OBSTRUCTIONS. CONTRACTOR'S/GEOGRID MANUFACTURER'S SHOP DRAWINGS, AND PLANS SHALL PROVIDE SUCH DETAIL SUPPORTED BY CALCULATIONS THAT THE STRUCTURAL FRAME TRANSFER THE LOAD. BELOW 10 FEET NO STRUCTURAL FRAME IS REQUIRED AND GUARDRAILS MAY BE DRIVEN THROUGH THE GEOGRID LAYER.

(5) EXCAVATION NECESSARY FOR THE CONSTRUCTION OF THE REIFORCED SOIL SLOPES SHALL BE CONSIDERED INCIDENTAL TO THE SITE PREPARATION AND WILL NOT BE PAID FOR SEPARATELY. THERE IS AN ESTIMATED 3,509 CUBIC YARDS OF EXCAVATION REQUIRED FOR REINFORCED SOIL SLOPE INSTALLATION.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL

REINFORCED SOIL SLOPES

NOTES AND MATERIAL PROPERTY REQUIREMENTS

ROADWAY EMBANKMENTS

$$$$DATE$$$$$$$$$$TIME$$$$$$$$
G:_EBS_HDR PROJECTS\104006534 - SR 268 WO7\DWGS\115906-00-SOILSSHT-39-40.DGN

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FOOTNOTES:

1. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR COMPLETE INSTALLATION INCLUDING BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL, DIGGING HOLE, FILLING HOLE, BLASTING, NUMBERING, AND TAGGING POLE. SEE "TTAG" FOR POLE TAGGING INFORMATION.

2. ASSEMBLIES OF SIMILAR CONSTRUCTION BUT DIFFERING ONLY IN USE OF EPOXY VS. PORCELAIN INSULATORS OR FIBERGLASS VS. WOOD CROSSARMS OR LACK OF NEUTRAL ASSEMBLY SHOULD BE GROUPED WITHIN THE SAME ITEM. SOME 8' AND 10' CROSSARMS ARE GROUPED TOGETHER FOR SIMPLICITY.

3. SEE DETAILS FOR SPECIAL CONSTRUCTION ASSEMBLIES. HARDWARE ONLY, CAPACITOR AND RECLOSER SHOULD NOT BE INCLUDED.

4. 25KV INSULATED AND RATED MATERIAL SHALL BE USED WHERE APPLICABLE. CONFIRM WITH MTE THE LATEST UNDERGROUND PRIMARY STANDARDS PRIOR TO PURCHASING MATERIAL. MTE MAY CHOOSE TO INSTALL ALL 25KV RATED EQUIPMENT, EVEN WHEN TYING IN TO EXISTING 13KV SYSTEM.

5. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR COMPLETE INSTALLATION INCLUDING SETUP, TRAFFIC CONTROL, BEDDING, BACKFILL, AND SURFACE RESTORATION.

6. SINGLE PHASE AND THREE PHASE UNITS COMBINED UNDER SAME ITEM NUMBER.

7. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED TO SWAP BUSHING INSERTS TO INSTALL NEW 25KV CONDUCTOR CONDUCTOR/ELBOW ON 7200V EQUIPMENT.

8. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED TO INSTALL 15KV INSERTS ON 25KV SECTOR IN ORDER TO INSTALL EXISTING 15KV CONDUCTORS ON A NEW 25KV JUNCTION.

9. USE WITH CLUSTER MOUNTED AND POLE MOUNTED TWO PHASE INSTALLATIONS, OPEN WYE-OPEN DELTA CONNECTED 120/240 VOLT SECONDARY, 15KV AND 25KV. USE WITH CONVENTIONAL TRANSFORMERS. INCLUDES ALL MISCELLANEOUS MATERIALS EXCEPT TRANSFORMERS.

10. USE WITH ALL CLUSTER MOUNTED AND POLE MOUNTED THREE PHASE INSTALLATIONS, ALL CONNECTIONS, ALL SECONDARY VOLTAGES, FUSES AND ARRESTERS INCLUDED, SIZES AS DESIGNATED ON THE PLANS. INCLUDES ALL MISCELLANEOUS MATERIALS EXCEPT TRANSFORMERS.

11. 26KV SECTOR INSTALLED ON 12.47/7.2KV SYSTEM.

12. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED TO INSTALL THE RECLOSER BUT THE RECLOSER ITSELF. RECLOSER WILL BE TRANSFERED.

13. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR THE INSTALLATION OF THE CAPACITOR BANK EXCEPT THE CAPACITOR ITSELF. CAPACITOR WILL BE TRANSFERED.

14. INCLUDES OVERHEAD/UNDERGROUND SECONDARY WIRE AND PRIMARY MAIN LINE WIRE.

15. INCLUDES MAINLINE POLES, SERVICE POLES, STUB POLES. INCLUDES THE REMOVAL OF THE GROUND ROD WHEN PRESENT WHETHER EXPLICITLY CALLED OUT OR NOT. INCLUDES TOPPING POLE WHEN REQUIRED.

16. INCLUDES CROSSARMS, INSULATORS, TRANSFORMERS, SWITCHES, ETC. DOES NOT INCLUDE REMOVAL OF THE GROUND ROD. GROUND ROD SHALL BE INCLUDED WITH THE POLE REMOVAL.

ESTIMATED QUANTITIES

FOOTNOTES	ITEM NO.	TDOT DESCRIPTION	MTE UNIT DESCRIPTION	UNIT	QUANTITY
1	790-04.09	POLE 45FT CLASS H2 METAL	45-H2 SP	EA	22
1	790-05.08	POLE 50FT CLASS H2 METAL	50-H2 SP	EA	25
1	790-06.08	POLE 55FT CLASS H2 METAL	55-H2 SP	EA	10
1	790-07.08	POLE 60FT CLASS H2 METAL	60-H2 SP	EA	70
1	790-08.04	POLE 65FT CLASS H2 METAL	65-H2 SP	EA	22
1	790-09.05	POLE 70FT CLASS H2 METAL	70-H2 SP	EA	5
1	790-09.07	POLE 70FT CLASS H4 METAL	70-H4 SP	EA	4
1	790-10.05	POLE 75FT CLASS H2 METAL	75-H2 SP	EA	1
2	790-22.11	1PH DDE ANGLE 25KV	VA4	EA	1
2	790-22.15	1PH DEAD END TAP W/ EXTENSION 25KV	VA5-2	EA	26
			VA5-2X	EA	6
2	790-22.16	1PH DDE TANGENT 25KV	VA6S	EA	1
2	790-22.18	1PH SGL DEAD END XARM 25KV	VA7-5F	EA	5
			VA8F	EA	1
2	790-26.01	3PH CROSSARM 25KV	VC1F	EA	1
2	790-26.03	3PH CROSSARM SGL LRG COND 25KV	VC1-2F	EA	3
			VC1-2FX	EA	58
2	790-26.10	3PH VERTICAL TANGENT 25KV	VC1YX	EA	2
2	790-26.15	3PH XARM DBL 10FT LRG COND SM ANGLE 25KV	VC2-2FX	EA	56
			VC2-2F	EA	6
			VC9-2FX	EA	130
2	790-26.20	3PH VERTICAL ANGLE LRG COND 25KV	VC3L	EA	1
2	790-26.21	3PH VERTICAL DDE ANGLE 25KV	VC4-1LX	EA	6
2	790-26.26	3PH CROSSARM DEAD END 25KV	VC7HDF-2	EA	16
			VC7HDFX-2	EA	27
			VC7HDF-1	EA	5
			VC7HDFX-1	EA	1
2	790-26.45	3PH CROSSARM FBRGLS DDE 25KV	VC8HDFX-2	EA	21
			VC8HDF-2	EA	2
			VC8HDF-1	EA	3
3	790-26.47	3PH SPECIAL CONST CROSSARM DDE 25KV	VM9-C8FX	EA	3
			VM3-3FX	EA	2
	790-30.02	SECONDARY ASSEMBLIES LRG ANGLE	J10	EA	116
	790-30.03	SECONDARY ASSEMBLIES DEADEND	J6	EA	32
			J6D	EA	4
	790-30.06	SECONDARY CONDUCTOR 6 AL DUPLEX	#6 ALDP	L.F.	425
	790-30.13	SECONDARY CONDUCTOR 2 AL TRIPLEX	#2 ALTP	L.F.	466
	790-30.14	SECONDARY CONDUCTOR 1/0 AL TRIPLEX	#1/0 ALTP	L.F.	81
	790-30.17	SECONDARY CONDUCTOR 4/0 AL TRIPLEX	#4/0 ALTP	L.F.	151
	790-30.22	SECONDARY CONDUCTOR 1/0 ALQPLEX	#1/0 ALQD	L.F.	201
	790-30.25	SECONDARY CONDUCTOR 4/0 AL QPLEX	#4/0 ALQD	L.F.	242
	790-31.02	SERVICE ASSEMBLY-POLE TYPE	MTE METER PEDESTAL	EA	1
	790-32.02	DOWN GUY - THROUGH BOLT TYPE HEAVY DUTY	VE1-2A	EA	351
			VE1-2AX	EA	91
	790-32.07	OH GUY - THROUGH BOLT TYPE	VE2-2	EA	63
	790-33.17	ROCK ANCHOR EXPANDING TYPE	F7-6A / F7-6B	EA	10
	790-33.20	ANCHOR TRIPLE EYE POWER INSTALLED	F6-6	EA	235
	790-36.02	TRANSFER CAPACITOR BANK	TRANSFER CAPACITOR BANK	EA	3
	790-36.04	TRANSFER SERVICE	TRANSFER SERV CE	EA	14
	790-36.13	TRANSFER STREET LIGHT	TRANSFER STREET LIGHT	EA	9
	790-36.14	TRANSFER CONDUCTOR	TRANSFER CONDUCTOR	EA	93
	790-40.02	OH COND 2 7/1 ACSR SPARATE	#2ACSR	L.F.	10982
	790-40.03	OH COND 1/0 6/1 ACSR RAVEN	#1/0 ACSR	L.F.	3167
	790-40.05	OH COND 3/0 6/1 ACSR PIGEON	3/0 ACSR	L.F.	2562
	790-40.09	OH COND 336.4 18/1 ACSR MERLIN	336 ACSR	L.F.	29920
	790-40.49	OH COND 795 37 AAC ARBUTUS	795AAC	L.F.	155439
4	790-41.06	UG PRI COND 4/0 AL 15KV	#4/0 ALCNC	L.F.	1890
4	790-41.12	UG PRI COND 1 AL 25KV	#1 ALCNC	L.F.	3189
4	790-41.16	UG PRI COND 4/0 AL 25KV	#4/0 ALCNC	L.F.	2319
	790-41.47	UG SEC COND 2/0 AL TPLX	#2/0 ALTP	L.F.	90
	790-41.49	UG SEC COND 4/0 AL TPLX	#4/0 ALTP	L.F.	933
	790-41.51	UG SEC COND 350 AL TPLX	#350 ALTP	L.F.	50

ESTIMATED QUANTITIES

FOOTNOTES	ITEM NO.	TDOT DESCRIPTION	MTE UNIT DESCRIPTION	UNIT	QUANTITY
5	790-42.16	1 DUCT @ 36IN-48IN DEPTH	DUCT1(3IN)	L.F.	928
5	790-42.17	2 DUCT BANK @36IN-48IN DEPTH	DUCT2(2IN)	L.F.	644
			DUCT2(4IN)	L.F.	2162
4	790-43.01	LOADBREAK ELBOW 200A 15KV	UM3-#2	EA	2
			UM3-#1/0	EA	15
			UM3-#4/0	EA	3
4	790-43.06	LOADBREAK JUNCTION 4PT 200A 15KV	VUM4-4	EA	3
			VUM4-4HD	EA	18
4	790-43.08	ELBOW ARRESTER 200A 15KV	UM6-7	EA	23
4	790-43.17	LOADBREAK ELBOW 200A 25KV	VUM3-#1	EA	20
4			VUM3-4/0	EA	27
4	790-43.19	LOADBREAK PARKING BUSHING 200A 25KV	VUM4-1	EA	17
4	790-43.26	SPLICE 200A 25KV	VUM45-1	EA	61
4,6	790-43.27	OUTDOOR TERMINATOR URD 25KV	VUM2	EA	10
			VUM2-5	EA	22
	790-43.34	UG GROUND ROD ASSEMBLY	VUM6-6T	EA	7
			VUM6-6	EA	4
	790-43.46	SECONDARY PULLBOX LARGE	UM35L	EA	34
	790-43.47	PRIMARY PULLBOX	UM35P	EA	23
	790-43.50	SECONDARY RISER W/ 2IN CONDUIT	UM52	EA	8
	790-43.51	SECONDARY RISER W/ 3IN CONDUIT	UM53	EA	30
	790-43.52	SECONDARY RISER W/ 4IN CONDUIT	UM54	EA	23
	790-43.67	SECONDARY PULLBOX(FOR SMART GRID FIBER)	THH-1730HD	EA	10
7	790-43.80	LOADBREAK BUSHING INSERT 25KV	UG15/25 SINGLE PHASE	EA	10
8	790-43.81	LOADBREAK BUSHING INSERT 15KV	UG15	EA	3
			UG15-3	EA	5
	790-43.82	INSULATED PROTECTIVE CAP	VUM4-0	EA	9
9	790-47.02	2PH XFMR BNK POLE MTD W/ FUSE/ARRESTERS	VG210	EA	1
10	790-49.01	3PH XFMR BNK POLE MTD NO FUSE/ARRESTERS	VG312	EA	6
	790-50.01	1PH PAD MTD TRANSFORMER RADIAL FEED	UG7-50KVA	EA	2
	790-50.02	1PH PAD MTD TRANSFORMER LOOP FEED	UG7-25KVA	EA	1
	790-50.03	1PH TRANSFORMER PAD	UM34S	EA	3
	790-59.03	CUTOUT KNIFE SWITCH-SNGL LOADBREAK 25KV	VM3-1LB	EA	80
			VG5C-LB	EA	19
	790-59.05	GOLB SWITCH 25KV	VM3-17ILBH	EA	2
			VM3-17ILBH(ON 15KV SYSTEM)	EA	6
11	790-60.20	3PH SECTIONALIZING CABINET 25KV	VUM33	EA	7
11	790-60.21	1PH SECTIONALIZING CABINET 25KV	VUM33-1	EA	1
	790-61.01	1PH FUSE CUTOUT XARM MOUNT 25KV	VG5C	EA	53
			VM3-1X	EA	1
12	790-61.11	3PH SECTLR OR RECL W/ BYP SW ELECTNC 25KV	VM3-13TSF-42ZC(HARDWARE)	EA	1
	790-65.03	LIGHTNING ARRESTOR ARM MTD 9KV	M5-6	EA	122
	790-65.05	LIGHTNING ARRESTOR ARM MTD 18KV	VG5A	EA	51
13	790-65.15	3PH CAPACITOR ASSEMBLY 15KV	VM9-600BF(15KV)	EA	2
			VM9-1200BF	EA	1
	790-68.11	DEADEND SHOE	M5-1	EA	46
	790-68.12	LARGE BRACES	M5-13	EA	8
	790-68.13	SGL PHASE MOUNTING BRACKET - FIBERGLASS	M5-22	EA	12
	790-69.04	FIBERGLASS CROSSARM ASSEMBLY	VG5H-10F	EA	28
	790-69.06	HARDWARE FOR SGL PH CONV TRANS	VG5T	EA	37
	790-69.12	GROUND ASSEMBLY GROUND PLATE TYPE	VM2-11SP	EA	159
	790-69.22	POLE TOP PIN	VM5-2S	EA	2
	790-69.24	EPOXY DEAD END	VM5-20S	EA	5
	790-69.26	EXTENSION LINK - EPOXY -1FT	VM5-23	EA	32
	790-69.28	EXTENSION LINK - EPOXY -6FT	VM5-23-6	EA	241
	790-69.32	ARM PIN	VM5-5	EA	38
	790-69.44	3PH SENSOR MOUNT	VM9-CABLE 2	EA	3
14	790-98.01	REMOVE WIRE	REMOVE WIRE	L.F.	231915
15	790-98.02	REMOVE POLES	REMOVE POLES	EA	208
16	790-98.03	REMOVE FRAMING/ASSOCIATED APPARATUS	REMOVE FRAMING/ASSOCIATED APPARATUS	EA	1600
	790-98.20	TREE AND BRUSH REMOVAL OFF ROW	TREE AND BRUSH REMOVAL OFF ROW	L.S.	1

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U4-1

75078-3206-54 RUTHERFORD COUNTY
PIN #115906.00

REVISION 04.15.2026:
UPDATED QUANTITIES FOR ITEM NUMBERS:
790-98.02 AND 790-98.03.
UPDATED FOOTNOTES 15 AND 16.

UTILITY INFORMATION
MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORP.
555 NEW SALEM ROAD
MURFREESBORO, TN 37129
CONTACT: CHRISTOPHER WEAVER
PHONE: (615) 494-1068
EMAIL: Chris.Weaver@mte.com

J. TYLER BOMAR
REGISTERED ENGINEER
No. 128210
COMMISSION
STATE OF TENNESSEE
04/15/2026

MIDDLE TENNESSEE ELECTRIC

JOB NUMBER: 29494.10
DESIGNED: JTB
DRAWN: JTB
CHECKED: RAY
SCALE: NONE
DATE: 10.10.25

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

ELECTRIC UTILITY RELOCATION
ESTIMATED QUANTITIES AND DRAWING INDEX

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U4-16

75078-3206-54

RUTHERFORD COUNTY
PIN #115906.00

REVISION 04.15.2026:
UPDATED ANCHOR LOCATIONS ON P83.1.

N

EDWARD L. JORDAN, III AND AMBER JORDAN, CO-TRUSTEES OF THE E. A. JORDAN COMMUNITY PROPERTY TRUST

172

171 BRYAN BARRETT

MOBILE HOMES PARK

160

173 JOHNNY M. SULLIVAN

184 BIBLE PATHWAY MINISTRIES

185 TUSCANY HOMEOWNER'S ASSOCIATION, INC.

165

166 CITY OF MURFREESBORO

REMOVE: 40-4WP, C1, VG5C, VG5T-50KVA, UM53, VM2-11

NSTALL: 55-H2 SP, VC8HDF-1, VG5C, VG5T-50KVA, UM53, (10')DUCT1, VM2-11SP
NOTE: #350 ALTP TO UM35L

TRANSFER CONDUCTOR

P84.4

INSTALL: 65-H2SP, VC3L, (4)VE1-2A, (2)F6-6, VM2-11SP

REMOVE: 45-4WP, C1, C7, M5-9, G10, J5, (2)J6, (2)SEC RISERS, M2-11,
INSTALL: 45-H2 SP, VA5-2, M5-22, VG5C-LB, VG5T-75KVA, (2)J6, J6D, UM53, UM35L, (10')DUCT1, (2)VE1-2A, F6-6, VM2-11SP, TRANSFER LIGHT
NOTE: INSTALL APPROVED MTE METER PEDESTAL AND INSTALL CONDUIT TO UM35L
EXISTING UG SERVICES ARE 1/0

P84.3

G.L. 20',15'

REMOVE: 45-4WP, VM3-3, VM2-11

REMOVE: 50-2WP (3)VC5, C1, (2)E1-2,(7)E2-2, ANCHOR

REMOVE: WOOD POLE, A2, TRANSFORMER, RISER, DG, ANCHOR

INSTALL: 55-H2 SP, VA7-5F, VA5-2, VG5C, VG5T-15KVA, UM53, UM35L, (2)VE1-2AX, (4)VE1-2A, (4)VM5-23-6, (3)F6-6, (10')DUCT1, VM2-11SP
NOTE: 3" CONDUIT

TRANSFER SERVICES

G.L. 15'

REMOVE: 45WP, (4)E1-2A, (2)ANCHORS,

P84.2

INSTALL: 55-H2 SP, VC8HDFX-2, VM3-17ILBH, (4)VM5-23, (6)VG5A, M5-13, VA5-2X, J10, M5-1, (2)VE1-2A, F6-6, VM2-11SP

INSTALL: 45-H2 SP, (2)VE1-2A, F6-6, VM2-11SP

P84.1

G.L. 15'

G.L. 26'

REMOVE: 55-2WP, VC1, C7,VG312C UPR3 (2) VE1-2,F6-6,

INSTALL: 50-H2 SP, VC7HDF-1, VG5H-10F, (3)VG5C, VG312-25KVA, UM53, UM35L, (10')DUCT1, (2)VE1-2AX, (2)VM5-23-6, F6-6, VM2-11SP
NOTE: 3" CONDUIT

EXISTING VAULT
INSTALL: (3)VUM45-1 (15')DUCT2
NOTE: 4" CONDUIT SPLICING #1 TO EXISTING 1/0

INSTALL: 50-H2SP, VC7HDF-2, VG5H-10F, (3)M5-6, (3)VM3-1LB, VUM2-5, UM54, (2)VE1-2AX, (2)VM5-23-6, F6-6, VM2-11SP

INSTALL:50-H2 SP, (4)VE1-2A, (2)F6-6, VM2-11SP

2/0ALTP

P (UG)

G.L. 15',20'

P83.1

TRANSFER CONDUCTOR

P106R

G.L. 18'

P84.5

REMOVE: 35-6WP, (2)E1-2,F6-6,

G.L. 18'

P (UG) #350

P86.1

REMOVE:45-4WP,VC2-2, (2)VE3-5T,F6-6

REMOVE: 45-3WP, VC1, C8, M5-9LB, M5-6, L250, G106

G.L. 23',18'

P82.1

GUY

P105R

25KV - TOP CIRCUIT

P109R

P110R

REMOVE: 50-2 SP, GUY STUB,C2, C7, M5-9LB, M5-6, L250, G106, (2)E2-2, (6)E1-2, (3)ANCHOR

REMOVE: 45-3WP, C1, C7, M5-9, G135, (2)E2-2, (2)E1-2, (2)F5-1, L250,

P107R

P111R

P113R

G.L. 20'

P88.1

3PH 1/0ALCNC

P83

3°

G.L. 18'

P84

10°

P108R

P85

G.L. 29',24'

REMOVE: 45-2 SP, C1F, UPR3

G.L. 23',18'

P81.1

P104R

P82

5°

P103R

P81

(3- 795 AAC, 25KV, TOP)
(3- 795 AAC, 13KV, BOT)
(1- 336 ACSR NEUTRAL)

INSTALL:60-H2 SP, VC2-2FX (TOP), VC9-2FX (BOT), J10, VG5C, VG5T-25KVA, UM53, UM35L, (4)VE2-2, (2)VM5-23-6, (10')DUCT1, VM2-11SP
NOTE: 3" CONDUIT

INSTALL: 60-H2 SP, VC2-2FX (TOP), VC9-2FX (BOT), J10, VA7-5F, VG5C, VG5T-25KVA, J10, UM53, (2)UM35L, (4)VE2-2, (4)VM5-23-6, (2)VE1-2A, F6-6, (90')DUCT1, VM2-11SP
NOTE: 3" CONDUIT

INSTALL: 60-H2 SP, VC2-2FX(TOP), VC7HDFX-2, VC9-2FX(BOT), VM5-5, J10, M5-1, (2)VE2-2, (4)VM5-23-6, (2)VE1-2AX, (2)VE1-2A, (2)F6-6, VM2-11SP

INSTALL: 60-H2 SP, VC1-2FX (TOP), VC9-2FX (BOT), VC7HDF-2, VM5-5, J10, (2)VE1-2AX, (2)VM5-23-6, F6-6, VM2-11SP

INSTALL:60-H2 SP, VC1-2FX (TOP), VC9-2FX (BOT), VG5H-10F, (3)M5-6, (3)VM3-1LB, VUM2-5, J10, UM54, VM2-11SP

INSTALL:UM35P, (3)VUM45-1, (50')DUCT2
NOTE: 4" CONDUIT

INSTALL: 60-H2 SP, VC1-2FX (TOP), VC9-2FX (BOT), J10 VG5C, VG5T-25KVA, UM53, UM35L, (10')DUCT1 VM2-11SP

P112R

HH87

P87

P86

G.L. 26'

P114R

P88

G.L. 15',20'

REMOVE: 45-3WP, C1-2,UPR3, E1-2, F6-6, PULLBOX

INSTALL:60-H2SP, VC1-2FX (TOP), (3)VG5A, VC9-2FX (BOT), VC7HDFX-2, J10, M5-1, (2)VE1-2AX, (2)VE1-2A, (2)VM5-23-6, (2)F6-6, VM2-11SP

REMOVE: 45-3WP, VC3, (4) VE3-5, (2)F6-6,

MATCHLINE 156+00 SEE SHEET U4-15

MATCHLINE 169+00 SEE SHEET U4-17

CONSTRUCTION NOTES:
1. UNLESS NOTED, ALL SERVICES, TAPS, AND ELECTRICAL EQUIPMENT SHOULD BE INSTALLED ON THE 13KV SYSTEM (BOTTOM CIRCUIT)
2. INSTALL SPARE CONDUIT FOR URD PRIMARY RUNS BACK TO POLE OF ORIGIN.
3. LOCATION OF EXISTING URD WIRE IS APPROXIMATE. CONTRACTOR IS TO LOCATE ALL URD CABLE BEFORE DIGGING.

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000070 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

811 Know what's below. Call 811 before you dig.

J. TYLER BOMAR
REGISTERED ENGINEER
DESIGNER
No. 128918
STATE OF TENNESSEE
04/16/2026

mte Middle Tennessee Electric

MIDDLE TENNESSEE ELECTRIC

JOB NUMBER:	29494.10
DESIGNED:	JTB
DRAWN:	JTB
CHECKED:	RAY
SCALE	DATE
1"=50'	10.10.25

Gresham Smith

2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

ELECTRIC UTILITY RELOCATION
STA. 156+00 TO STA. 169+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U4-23

75078-3206-54

RUTHERFORD COUNTY
PIN #115906.00

REVISION 04.15.2026:
UPDATED ANCHOR LOCATIONS FOR P83.1.

INSTALLATION POLE LOCATIONS

POLE NO.	POLE COORDINATES		INSIDE ANCHOR COORDINATES		OUTSIDE ANCHOR COORDINATES	
	NORTHING	EASTING	NORTHING	EASTING	NORTHING	EASTING
P1	561786.16	1842458.35	561814.44	1842468.37	561819.15	1842470.04
			561823.87	1842471.71	561828.58	1842473.38
			561765.96	1842436.17	561762.59	1842432.48
			561759.23	1842428.78	561755.86	1842425.08
			561809.40	1842423.37	561812.16	1842419.20
P2	561919.34	1842586.34				
P3	562052.52	1842714.33				
P4	562176.85	1842833.81				
P4.1	562061.03	1842943.06	562037.83	1842965.10	562034.21	1842968.55
					562030.59	1842971.99
					562077.20	1842962.12
P4.1E					561931.54	1842790.71
P4.2	562257.72	1842755.80				
P4.3	562446.13	1842576.74	562464.26	1842559.53	562467.89	1842556.09
P5	562348.35	1842961.36			562355.64	1842948.25
P5.1					562259.88	1843120.26
P6	562442.98	1842998.77				
P7	562512.76	1843026.36			562519.21	1843009.56
P7.1	562466.11	1843147.98				
P8	562702.43	1843101.35	562726.11	1843109.37	562735.58	1843112.58
			562730.85	1843110.98	562740.32	1843114.18
			562714.50	1843073.89	562718.53	1843064.73
			562716.52	1843069.31	562720.54	1843060.16
P9	562658.89	1843215.63	562620.08	1843205.93	562615.23	1843204.72
			562629.79	1843208.36	562624.94	1843207.15
			562648.83	1843238.52	562644.81	1843247.68
			562646.82	1843243.10	562642.80	1843252.25
P10	562759.86	1843245.70			562760.54	1843235.72
P11	562852.55	1843273.36				
P11.1	562889.08	1843162.02			562894.69	1843144.92
P12	562998.55	1843325.71				
P13	563158.89	1843383.21				
P13.1	563187.23	1843275.11			563193.82	1843249.96
P14	563288.56	1843429.70				
P14.1	563319.15	1843335.10	563325.62	1843315.13	563327.16	1843310.37
P14.2	563257.56	1843517.65				
P15	563488.85	1843501.52				
P15.1	563544.91	1843410.57	563553.83	1843396.10	563556.45	1843391.84
P16	563720.09	1843584.44			563712.22	1843608.17
P16.1	563755.13	1843481.02			563763.49	1843456.40
P17	563968.52	1843642.97	563965.91	1843672.86	563962.90	1843677.52
P17.1	563977.62	1843539.10			563957.75	1843536.84
P18	564102.64	1843655.24				
P19	564251.87	1843668.90	564247.95	1843690.55	564251.79	1843698.90
P19.1	564278.86	1843525.34			564282.35	1843506.66
P20	564492.17	1843648.22			564496.58	1843675.87
P21	564734.28	1843577.32			564743.94	1843600.38
P22	564982.13	1843465.83			564991.36	1843485.80
P23	565178.61	1843372.59				
P24	565363.95	1843284.64				
P24.1	565332.17	1843185.75	565326.97	1843169.57	565325.44	1843164.81
P25	565593.31	1843243.18			565590.57	1843225.39
P26	565847.96	1843210.84	565862.12	1843205.90	565846.48	1843189.89
P26.1					565718.84	1843256.23
P27	566069.86	1843207.49			566069.92	1843194.16
P28	566204.79	1843210.14				
P29	566504.62	1843220.19				
P30	566764.48	1843228.91				
P31	566998.85	1843236.77				
P32	567218.58	1843247.69				
P33	567438.31	1843258.61				
P34	567658.03	1843269.52				
P35	567770.22	1843274.70				
P36	567897.74	1843281.43			567896.30	1843310.40
P36.1	567903.69	1843161.71			567904.68	1843141.74
P37	568047.55	1843288.88				
P38	568197.37	1843296.32				
P39	568380.71	1843305.43				
P40	568566.91	1843314.68				
P41	568758.68	1843324.21			568771.12	1843347.03
P41.1	568685.01	1843189.12			568675.43	1843171.56
P42	568950.44	1843333.74				
P43	569143.17	1843343.40				
P43.1	569165.32	1843247.09	569169.13	1843230.52	569170.25	1843225.65
P44	569387.96	1843424.91				
P45	569633.70	1843506.75	569622.19	1843530.07	569619.98	1843534.55
P45.1	569689.92	1843392.84	569697.44	1843377.59	569699.66	1843373.11
					569675.50	1843383.83
P46	569793.90	1843610.00			569781.42	1843628.12
P46.1	569862.78	1843510.00				
P46.2					569935.58	1843404.30
P47	569978.89	1843729.26			569967.53	1843745.72
P47.1	570057.63	1843615.16	570049.44	1843636.65	570069.55	1843597.88
P48	570173.18	1843871.20				
P48.1	570258.89	1843782.83	570270.72	1843770.62	570274.19	1843767.03
P49	570338.26	1844072.70				
P50	570508.91	1844281.00	570492.44	1844295.59	570488.70	1844298.90
P51	570630.75	1844408.25				
P52	570752.59	1844535.50	570734.94	1844555.94	570731.68	1844559.72
P52.1	570773.14	1844378.96	570776.38	1844354.17	570777.02	1844349.21
P52.2	570736.30	1844660.40				
P52.3	570717.46	1844804.75				
P53	570833.68	1844593.10				
P54	570986.40	1844701.58	570977.28	1844715.93	570974.10	1844719.82
P54.1	570996.40	1844577.34			570998.01	1844557.40
P54.2	571109.32	1844631.91			571123.62	1844645.89
P56	571188.03	1844829.63				
P58	571394.07	1844960.47				
P59	571479.13	1845014.49	571465.25	1845037.65	571462.68	1845041.94
					571488.51	1845000.31
P59.1	571564.44	1844872.13			571582.89	1844879.85
P59.2	571604.18	1844718.01			571627.79	1844722.33
P59.3.1	571313.14	1845168.60			571297.59	1845159.54
P60	571636.04	1845118.32				
P61	571757.32	1845198.57				
P61.1	571834.04	1845101.77			571849.57	1845082.17
P62	571895.03	1845324.95				
P63	571996.35	1845418.86	572003.78	1845399.92	571983.79	1845434.20
P63.1	572123.21	1845276.54	572108.27	1845277.92	572136.27	1845261.39
P64	572085.14	1845499.40				
P65	572228.59	1845631.08				
P66	572417.72	1845804.66				
P67	572600.41	1845972.32			572599.29	1845989.28
P67.1	572610.40	1845821.34			572611.53	1845804.38
P68	572800.29	1846155.76	572786.90	1846173.21	572783.86	1846177.18
P69	572973.76	1846263.16	572963.49	1846282.61	572961.16	1846287.03

INSTALLATION POLE LOCATIONS

POLE NO.	POLE COORDINATES		INSIDE ANCHOR COORDINATES		OUTSIDE ANCHOR COORDINATES	
	NORTHING	EASTING	NORTHING	EASTING	NORTHING	EASTING
P70	573157.69	1846344.60	573148.65	1846370.04	573146.97	1846374.76
P71	573289.73	1846380.65	573285.28	1846402.19	573284.27	1846407.09
P72	573473.94	1846406.80	573462.31	1846419.20	573458.89	1846422.85
P72.1	573556.66	1846318.53			573571.70	1846302.48
P73	573711.04	1846440.47				
P74	573814.97	1846455.22				
P74.1	573780.13	1846349.77				
P75NEW	574010.00	1846482.92				
P75.1NEW	574029.59	1846382.49				
P75	574155.23	1846503.54	574152.24	1846522.30	574151.45	1846527.24
P75.1	574171.27	1846402.92	574175.51	1846376.26	574176.27	1846371.31
			574144.51	1846399.30	574139.55	1846398.63
P75.2	574305.55	1846421.07				
P75.3	574540.58	1846452.85	574543.48	1846436.10	574548.25	1846423.85
					574549.53	1846419.01
P75.4	574690.63	1846484.58			574710.27	1846488.35
P76	574331.99	1846538.32				
P77	574508.74	1846573.09				
P78	574672.63	1846627.87	574679.92	1846612.52	574682.06	1846608.00
P79	574858.38	1846745.34	574869.06	1846732.11	574872.20	1846728.22
P80	574982.56	1846873.71				
P81	575104.54	1846999.79				
P81.1	575211.63	1846919.07	575227.60	1846907.03	575231.60	1846904.02
P82	575168.79	1847111.23				
P82.1	575281.79	1847064.03	575300.25	1847056.32	575304.86	1847054.39
P83	575220.53	1847299.35			575200.78	1847201.49
P83.1	575331.90	1847281.67	575348.69'	1847279.04'	575353.63'	1847278.26'
					575326.82'	1847302.04'
P84	575228.84	1847481.90	575203.38	1847487.19	575198.49	1847488.21
P84.1	575412.26	1847443.73			575400.15	1847455.66
P84.2	575460.17	1847396.48			575472.27	1847384.54
P84.3	575567.33	1847409.44	575566.90	1847392.45	575566.77	1847387.45
P84.4	575699.94	1847431.92				
P84.5	575343.63	1847486.52			575371.61	1847487.65
P85	575213.99	1847599.11				
P86	575199.27	1847715.42			575171.86	1847721.14
P86.1	575333.20	1847687.48			575352.77	1847683.40
P87	575182.30	1847849.34				
P88	575154.11	1848071.97	575137.21	1848070.09	575132.24	1848069.54
P88.1	575263.04	1848084.08			575284.90	1848086.51
P89	575126.21	1848292.28			575112.00	1848278.20
P90	575099.52	1848503.84				
P91	575073.26	1848710.42				
P92	575047.09	1848917.01				
P93NEW	575026.52	1849079.43	575006.67	1849076.96	574999.73	1849076.10
P93.1NEW			575212.40	1849102.48	575217.37	1849103.09
P93	575009.94	1849210.34			574990.10	1849207.88
P93.1	575122.10	1849224.25			575141.95	1849226.71
P94	574986.88	1849392.42			574967.24	1849388.64
P94.1	575098.61	1849413.90			575115.30	1849417.10
P95	574962.47	1849585.20	574965.61	1849560.39	574966.28	1849555.13
P96	574947.88	1849700.41				
P96.1	575046.06	1849784.86	575062.74	1849799.20	575070.32	1849805.72
P96.2	574833.69	1849602.19	574858.67	1849603.25	574863.66	1849603.46
			574815.82	1849584.62	574812.25	1849581.11
P97	574934.12	1849809.09	574953.87	1849812.20	574902.26	1849806.01
P97.1E			574928.77	1849944.56	574929.84	1849939.67
			574923.89	1849993.98	574923.98	1849998.98
					574924.08	1850003.97
P98	574895.87	1850013.73			574876.12	1850010.56
P99	574869.41	1850212.00			574849.50	1850210.11
P100	574855.84	1850431.91	574868.80	1850432.97	574860.43	1850387.15
			574828.93	1850429.71	574824.18	1850427.30
P100.1	574982.72	1850442.28	575001.66	1850443.83	575006.64	1850444.24
P100E			574890.40	1850261.34	574891.75	1850256.52
			574883.10	1850310.40	574882.99	1850315.40
P101	574837.65	1850609.35				
P102	574822.98	1850750.23			574805.23	1850740.99
P102.1	574957.36	1850819.85			574975.27	1850828.75
P103	574805.38	1850920.61				
P103.1	574936.63	1850935.52	574966.44	1850938.90		
P104	574782.17	1851107.99				
P104.1	574906.47	1851125.33	574931.23	1851128.78		
P105	574745.20	1851325.09	574715.52	1851320.72		
P106	574718.16	1851543.42				
P107	574691.11	1851761.75				
P108	574664.06	1851980.08			574644.21	1851977.70
P108.1	574798.14	1851996.17			574818.00	1851998.54
P109	574638.90	1852183.22	574655.66	1852186.06	574660.59	1852186.89
P110	574614.89	1852377.05	574600.18	1852368.53	574595.85	1852366.02
P110.1	574759.78	1852456.80	574750.05	1852442.86	574754.66	1852473.01
P111	574590.30	1852575.53				
P112	574565.71	1852774.01			574546.59	1852779.88
P112.1	574703.70	1852731.70	574687.22	1852727.52	574722.83	1852725.86
P113	574538.67	1852992.34			574520.14	1852984.82
P113.1	574664.10	1853043.30	574657.33	1853050.67	574682.63	1853050.83
P114	574514.08	1853190.83				
P115	574489.49	1853389.31			574469.62	1853398.73
P115.1	574630.23	1853322.58	574618.54	1853319.86	574648.30	1853314.02
P116	574469.83	1853548.10	574442.85	1853546.86	574437.86	1853546.63
P116.1	574596.18	1853553.89			574616.16	1853554.81
P117	574450.16	1853706.88				
P118	574427.62	1853888.78	574410.76	1853890.95	574405.80	1853891.59
P118.1	574558.49	1853871.96	574575.35	1853869.79	574580.31	1853869.15
P119	574400.16	1854110.47	574383.26	1854108.62	574378.29	1854108.08
P119.1	574510.22	1854122.37			574507.86	1854147.26
P120	574381.31	1854262.63			574364.14	1854252.38
P120.1	574485.56	1854324.91			574501.87	1854334.65
P121	574364.12	1854403.59	574347.09	1854393.10	574337.28	1854400.65
P121.1	574465.95	1854465.90			574488.13	1854479.47
P122	574350.15	1854546.68				
P123	574332.34	1854729.08	574330.40	1854748.99	574329.42	1854758.94
			574329.91	1854753.96	574328.94	1854763.92
			574322.05	1854711.93	574316.91	1854703.35
			574319.48	1854707.64	574314.34	1854699.06
P124	574419.38	1854874.25	574421.76	1854857.42	574422.40	1854852.46
			574423.15	1854847.52	574423.85	1854842.57
			574428.11	1854888.84	574430.68	1854893.13
			574433.25	1854897.42	574435.82	1854901.71
					574433.78	1854870.05

UNDERGROUND EQUIPMENT LOCATIONS

ITEM	COORDINATES	
	NORTHING	EASTING
CAB17	563974.64	1843658.05
PAD17	563989.63	1843658.02
HH19.1	564269.58	1843514.14
HH20	564513.82	1843647.01
CAB21	564761.48	1843575.07
HH22	564988.62	1843466.58
HH35	567786.95	1843294.79
HH36.1	567885.01	1843159.69
PAD39	568253.59	1843544.79
HH43.1	569157.54	1843211.95
HH45.1	569643.51	1843404.07
HH46	569791.85	1843640.02
HH52.3	570715.53	1844790.71
HH72.1	573535.28	1846275.53
CAB76.1	574297	1846410.91
HH76.1	574327.23	1846410.43
HH76.2	574204.04	1846380.33
HH87	575156.07	1847873.23
HH92	575044.16	1848906.84
CAB94.1	575126.67	1849403.15
PAD94.1	575100.92	1849524.21
CAB96.1	575075.76	1849727.05
CAB96.2	575020.88	1850195.02
CAB96.3	574987.07	1850437.05
HH103	574798.65	1850915.05
HH108.1	574810.76	1851996.6
HH115	574451.47	1853461.45
HH116.1	574604.34	1853542.1
HH117	574448.67	1853698.93
HH118.1	574560.63	1853865.81

NOTE:
UNDERGROUND INSTALLATION LOCATIONS MAY BE ADJUSTED AS REQUIRED FOR UNDERGROUND CONFLICTS OR FOR INTERSECTION OF EXISTING UNDERGROUND POWER.

Know what's below.
Call 811 before you dig.

J. TYLER BOMAR
REGISTERED ENGINEER
LICENSED
No. 125340
STATE OF TENNESSEE

04/16/2026

MIDDLE TENNESSEE ELECTRIC

JOB NUMBER:	29494.10
DESIGNED:	JTB
DRAWN:	JTB
CHECKED:	RAY
SCALE: NONE	DATE: 10.10.25

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

ELECTRIC UTILITY RELOCATION
POLE AND ANCHOR LOCATIONS

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U7-04 COMMUNICATIONS RELOCATION BEGIN TO STA. 13+00
U7-05 COMMUNICATIONS RELOCATION STA. 13+00 TO STA. 26+00
U7-06 COMMUNICATIONS RELOCATION STA. 26+00 TO STA. 39+00
U7-07 COMMUNICATIONS RELOCATION STA. 39+00 TO STA. 52+00
U7-08 COMMUNICATIONS RELOCATION STA. 52+00 TO STA. 65+00
U7-09 COMMUNICATIONS RELOCATION STA. 65+00 TO STA. 78+00
U7-10 COMMUNICATIONS RELOCATION STA. 78+00 TO STA. 91+00
U7-11 COMMUNICATIONS RELOCATION STA. 91+00 TO STA. 104+00
U7-12 COMMUNICATIONS RELOCATION STA. 104+00 TO STA. 117+00
U7-13 COMMUNICATIONS RELOCATION STA. 117+00 TO STA. 130+00
U7-14 COMMUNICATIONS RELOCATION STA. 130+00 TO STA. 143+00
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U7-16 COMMUNICATIONS RELOCATION STA. 156+00 TO STA. 169+00
U7-17 COMMUNICATIONS RELOCATION STA. 169+00 TO STA. 182+00
U7-18 COMMUNICATIONS RELOCATION STA. 182+00 TO STA. 195+00
U7-19 COMMUNICATIONS RELOCATION STA. 195+00 TO STA. 208+00
U7-20 COMMUNICATIONS RELOCATION STA. 208+00 TO STA. 221+00
U7-21 COMMUNICATIONS RELOCATION STA. 221+00 TO STA. 234+00
U7-22 COMMUNICATIONS RELOCATION STA. 234+00 TO END OF PROJECT
U7-23 CONSTRUCTION DETAILS
U7-24 CONSTRUCTION DETAILS

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-01
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 05.29.26: ADDED FOOTNOTE 4
REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH

ESTIMATED QUANTITIES

	ITEM NO.	TDOT DESCRIPTION	UTILITY UNIT DESCRIPTION	UNIT	QUANTITY	PERCENT UTILITY	PERCENT PROJECT
5	790-32.01	DOWN GUY - THROUGH BOLT TYPE	E1-2	EACH	15	0%	100%
	790-32.07	OH GUY - THROUGH BOLT TYPE	E2-2	EACH	3	0%	100%
	790-32.23	GUY GUARD	E3-10	EACH	14	0%	100%
5	790-74.01	6M STRAND	6M STRAND	L.F.	5759	0%	100%
1	790-74.05	24 FIBER(MATERIAL ONLY)		L.F.	1007	0%	100%
	790-74.10	144 FIBER(MATERIAL ONLY)		L.F.	5426	0%	100%
2	790-74.19	12-96 FIBER(INSTALLATION ONLY)		L.F.	1007	0%	100%
	790-74.20	108-144 FIBER(INSTALLATION ONLY)		L.F.	5426	0%	100%
	790-74.25	FIBER SPLICE-12 FIBER RIBBON		EACH	64	0%	100%
	790-74.31	FIBER TANGENT ASSM	SC	EACH	28	0%	100%
	790-74.32	FIBER DEADEND ASSM	DE	EACH	6	0%	100%
	790-74.33	FIBER DOUBLE DEADEND ASSM	DDE	EACH	4	0%	100%
	790-74.34	FIBER STORAGE SINGLE LOOP	LOOP	EACH	6	0%	100%
4	790-74.40	FIBER SPLICE ENCLOSURE	SPLICE ENCLOSURE	EACH	5	0%	100%
3	790-98.04	REMOVE FIBER OPTIC CABLE		L.F.	6045	0%	100%

FOOTNOTES:

1. INCLUDES ALL MATERIALS AND EQUIPMENT INCLUDING BUT NOT LIMITED TO MOUNTING HARDWARE, BONDING/GROUNDING, STRAND SIZE AS INDICATED IN SPECS, AND LOOPS.
2. INCLUDES ALL LABOR INCLUDING TRAFFIC CONTROL AND SETUP, REMOVAL OF LIDS AND COLLARS, BACKFILL WITH GRAVEL.
3. INCLUDES ALL ATTACHING ASSEMBLIES
4. FIBER SPLICE ENCLOSURE WILL BE A 6.5" X 17" COYOTE DOME CLOSURE AND WILL INCLUDE ALL MATERIALS INCLUDING TRAYS, BRACKET, AND BONDING
5. INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT BUT NOT LIMITED TO TRAFFIC CONTROL, BONDING/GROUNDING, AND TENSIONING.

UTILITY INFORMATION

Middle Tennessee Electric
555 New Salem Highway
Murfreesboro, TN 37129
CONTACT: Christopher W. Weaver
PHONE: (615) 494-1068
EMAIL: ChrisWeaver@mte.com

06/18/2026
GREGORY K. POSTON
REGISTERED ENGINEER
No. 100946
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
DRAWN:	DRB
CHECKED:	BBG
SCALE	1"=50'
DATE	06.12.2026

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-02
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH

RUTHERFORD COUNTY

SR 268
FROM S.R. 1 (US 41/70S) (NORTHWEST BROAD STREET)
TO S.R. 10 (IA) (MEMORIAL BOULEVARD)



LEGEND

- EXISTING POLE
- REMOVAL POLE
- REMOVE NAP
- PROPOSED NAP
- EXISTING NAP
- REMOVE STORAGE LOOP
- PROPOSED STORAGE LOOP
- EXISTING STORAGE LOOP
- 12F/144F/288F ADSS EXISTING
- 12F/144F/288F ADSS REMOVE
- F — 12F/144F/288F ADSS PROPOSED
- EXISTING STRAND
- REMOVE STRAND
- PROPOSED STRAND
- EXISTING DG
- PROPOSED DG
- REMOVE DG
- GUY — OVERHEAD GUY PROPOSED
- GUY — OVERHEAD GUY REMOVE
- GUY — OVERHEAD GUY EXISTING
- F(UG) — UNDERGROUND DROP PROPOSED
- F(UG) — UNDERGROUND DROP EXISTING
- F(UG) — UNDERGROUND DROP REMOVE

811 Know what's **below.** **Call 811** before you dig.

06/18/2026

GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
STATE OF TENNESSEE
No. 100945

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
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1"=50'	06.12.2026

Gresham Smith
2095 LAKESIDE CENTRE WAY
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KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 234+00 TO E.O.P.

GENERAL CONSTRUCTION NOTES

1. THE FOLLOWING INFORMATION APPLIES TO THE UTILITY CONTRACTOR RESPONSIBLE FOR THE RELOCATION OF THE COMMUNICATION FACILITIES ALONG THIS PROJECT.

2. ANY DEVIATION OF THE CONDITIONS LISTED MUST BE APPROVED BY THE UTILITY PRIOR TO THE DEVIATION TAKING PLACE ON THE PROJECT. FAILURE BY THE UTILITY CONTRACTOR OR SUBCONTRACTORS TO FOLLOW THESE CONDITIONS AS LISTED WILL RESULT IN REFUSAL OF ACCEPTANCE BY THE UTILITY OWNER TO ACCEPT THE PROJECT AT IT'S COMPLETION UNTIL SUCH TIME AS ANY DEFICIENCIES ARE CORRECTED TO THE SATISFACTION OF THE UTILITY.

3. ALL WORK SHALL BE DONE IN A SAFE, THOROUGH AND WORKMAN-LIKE MANNER IN ACCORDANCE WITH THE PLAN SHEETS, CONSTRUCTION DETAILS AND TECHNICAL SPECIFICATIONS AS WELL AS ANY AND ALL APPLICABLE SAFETY CODES, INCLUDING, BUT NOT LIMITED TO, THE NATIONAL ELECTRICAL SAFETY CODE (NESC), AND ANY OTHER STATE AND LOCAL CODES THAT ARE REQUIRED FOR THE TYPE OF UTILITY RELOCATION THAT IS BEING PERFORMED AS PART OF THIS CONTRACT.

4. THE UTILITY CONTRACTOR SHALL EXERCISE ALL STANDARD SAFETY PRACTICES WHEN WORKING AROUND ENERGIZED ELECTRICAL LINES (e.g. RUBBER GOODS INSPECTIONS, GROUNDING OF LINES AND VEHICLES / EQUIPMENT, TOOL INSPECTIONS, ADEQUATE SUPERVISION, ETC.).

5. THE UTILITY CONTRACTOR SHALL BEAR THE RESPONSIBILITY FOR THE SAFETY OF ITS EMPLOYEES AND SHALL ENSURE THAT THEY ABIDE BY ALL STATE, FEDERAL AND LOCAL REGULATIONS REGARDING SAFE WORK PRACTICES. IF SUCH REGULATIONS ARE VIOLATED, THE UTILITY OWNER SHALL MAINTAIN THE RIGHT TO STOP WORK ON THEIR FACILITIES UNTIL SUCH CONDITIONS ARE CORRECTED.

6. IN GENERAL, THE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS, METHODS, AND/OR INTEGRAL MATERIALS OUTLINED IN THE UTILITY CONSTRUCTION DRAWINGS AND THE TECHNICAL SPECIFICATIONS THAT ARE NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL INSTALLATION OF THE UTILITY FACILITIES BEING RELOCATED.

7. UTILITY CONSTRUCTION DRAWINGS ARE INCLUDED AS PART OF THE DRAWING PACKET AND MUST BE ADHERED TO DURING ALL PHASES OF CONSTRUCTION.

8. ALL MATERIALS TO BE USED BY THE UTILITY CONTRACTOR ON THE PROJECT MUST BE NEW MATERIALS AND MUST BE APPROVED BY THE UTILITY OWNER PRIOR TO PURCHASE OR USE. A PROPOSED LIST OF MATERIALS SHALL BE SUBMITTED TO THE UTILITY OWNER AS NOTED IN THE TECHNICAL SPECIFICATIONS FOR THE PROJECT. NO MATERIAL SUBSTITUTIONS ARE ALLOWED WITHOUT THE PRIOR CONSENT OF THE UTILITY OWNER. STORAGE LOCATION OF MATERIALS ON THE PROJECT SITE MUST BE A SECURE ENVIRONMENT. THE UTILITY CONTRACTOR IS RESPONSIBLE FOR ANY LOST, STOLEN OR DAMAGED MATERIALS ON THE PROJECT.

9. THE UTILITY CONTRACTOR IS REQUIRED TO MAINTAIN COMMUNICATION WITH THE UTILITY OWNER'S PROJECT REPRESENTATIVE USING TELEPHONE COMMUNICATIONS.

10. THE UTILITY CONTRACTOR IS TO PERFORM ALL REQUIRED WORK IN SUCH A MANNER AS TO NOT CAUSE UNINTENTIONAL OUTAGES TO THE CUSTOMERS ALONG THE PROJECT. ALL PLANNED OUTAGES MUST BE HANDLED IN ACCORDANCE WITH SECTION 01 1113 "SUMMARY OF WORK" IN THE CONSTRUCTION TECHNICAL SPECIFICATIONS. LARGE SCALE OUTAGES ARE NOT ALLOWED.

11. IF FIELD CONDITIONS ARISE WHICH PREVENT THE CONSTRUCTION ON THE PROJECT FROM PROCEEDING AS DESIGNED, THE UTILITY CONTRACTOR WILL COORDINATE WITH THE UTILITY OWNER / ENGINEER TO RESOLVE THE ISSUES SO THAT CONSTRUCTION CAN CONTINUE.

12. THE UTILITY CONTRACTOR SHALL COMPLY WITH ALL TDOT REGULATIONS, PERMITS AND TRAFFIC CONTROL GUIDELINES AS REQUIRED.

13. THE LOCATIONS OF EXISTING UTILITIES SHOWN WITHIN THESE DRAWINGS ARE BASED ON INFORMATION PROVIDED BY TDOT, AND SHALL BE VERIFIED BY THE UTILITY CONTRACTOR PRIOR TO CONSTRUCTION. THE UTILITY CONTRACTOR SHALL NOTIFY EACH UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES AND REQUEST THAT THE UTILITY OWNERS PROPERLY LOCATE AND MARK THEIR PERSPECTIVE UTILITY ON THE GROUND.

14. THE UTILITY CONTRACTOR SHALL REQUEST UTILITY LOCATIONS A MINIMUM OF THREE (3) BUSINESS DAYS PRIOR TO BEGINNING ANY CONSTRUCTION IN THE AREA OF THE UTILITIES IN QUESTION.

15. THE TDOT PRIME CONTRACTOR WILL BE RESPONSIBLE FOR ANY EXCAVATION WORK REQUIRED TO LOCATE EXISTING UNDERGROUND UTILITIES. THE PRIME CONTRACTOR IS ALSO REQUIRED TO NOTIFY ANY EXISTING UTILITY OWNER PRIOR TO DIGGING. IN THE EVENT THAT THERE IS ANY DAMAGE TO OR INTERRUPTION OF EXISTING FACILITIES, THE PRIME CONTRACTOR WILL BE RESPONSIBLE FOR ANY COST INCURRED FROM THE EVENT.

16. SOME EXISTING UTILITIES CAN BE LOCATED BY CALLING TENNESSEE ONE-CALL SYSTEMS, INC. AT "811".

17. THE UTILITY CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING THE CONSTRUCTION OF THE PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND EXISTING UTILITIES, THE UTILITY CONTRACTOR SHALL BE REQUIRED TO FURNISH THE EQUIPMENT NECESSARY TO COMPLETE THE WORK.

18. THE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY ITS EMPLOYEES IN AREAS OUTSIDE OF TDOT ROW ALONG THE LENGTH OF THE PROJECT. THE UTILITY CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR RESOLVING ALL COMPLAINTS THAT MAY ARISE FROM ITS ACTIVITIES, AND SHALL PROMPTLY REPORT SUCH COMPLAINTS TO THE UTILITY OWNER AS TO WHETHER OR NOT IT HAS BEEN RESOLVED.

19. GROUND AND AERIAL INSPECTION OF INSTALLED FACILITIES ONCE COMPLETED SHALL BE THE RESPONSIBILITY OF THE UTILITY CONTRACTOR. ANY CORRECTIONS THAT ARE REQUIRED SHALL BE DONE DURING THE CONSTRUCTION OF THE PROJECT AND VERIFIED BY THE UTILITY OWNER / ENGINEER. THE UTILITY OWNER WILL HAVE INSPECTORS ON-SITE TO VERIFY SAFETY AND QUALITY OF WORK IS CONSISTENT WITH UTILITY OWNER'S STANDARDS.

20. WHILE SOME WORK MAY ONLY BE REQUIRED "AROUND" OTHER UTILITY FACILITIES, SOME WORK MAY NEED TO BE DONE CONCURRENTLY WITH THE OPERATIONS OF OTHER UTILITY CONTRACTORS. IT IS THE RESPONSIBILITY OF THE TDOT PRIME CONTRACTOR TO ENSURE THAT ALL UTILITY COORDINATION BE ADDRESSED DURING THE CONSTRUCTION OF THE PROJECT.

21. THE UTILITY CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL FACILITIES INDICATED WITHIN THESE DRAWINGS AT "FINAL GRADE" AS SHOWN. ANY TEMPORARY INSTALLATIONS THAT ARE NOT SPECIFICALLY NOTED WITHIN THESE DRAWINGS AND THAT ARE NOT ADDRESSED AND COORDINATED PRIOR TO CONSTRUCTION OF THE PROJECT WILL BE THE RESPONSIBILITY OF THE TDOT PRIME CONTRACTOR.

22. CONSTRUCTION OF RELOCATED FACILITIES IS NOT CONSIDERED TO BE COMPLETE UNTIL THE UTILITY CONTRACTOR HAS ENERGIZED THE FACILITIES IN ACCORDANCE WITH EPB SPECIFICATIONS.

23. PERSONNEL CHANGES ARE TO BE KEPT TO A MINIMUM DURING THE CONSTRUCTION OF THE PROJECT AS TO REDUCE UNFAMILIAR PERSONNEL TO BE WORKING ON THE FACILITIES OF THE UTILITY OWNER.

24. THE TDOT PRIME CONTRACTOR IS RESPONSIBLE FOR THE LAYOUT OF ALL UTILITY FACILITIES THAT ARE TO BE RELOCATED WITHIN THE PROJECT.

25. WHERE EROSION CONTROL MEASURES ARE NEEDED FOR THE UTILITY WORK OCCURING OUTSIDE THE STATE RIGHT-OF-WAY, THE UTILITY CONTRACTOR SHALL SUBMIT A PROPOSED EROSION AND SEDIMENT CONTROL PLAN TO THE TDOT PROJECT SUPERVISOR FOR APPROVAL PRIOR TO BEGINNING WORK.

26. THE DISTANCES THAT ARE SHOWN ON THE DRAWINGS ARE HORIZONTAL DISTANCES ONLY, AND DO NOT ALLOW FOR ANY CHANGES IN ELEVATION THAT EXIST ALONG THE PROJECT.

27. ALL ACTIVE AND PASSIVE EQUIPMENT SHALL BE PROVIDED BY THE UTILITY OWNER. THE LABOR COST, AND MINOR MATERIALS REQUIRED TO INSTALLL THESE UNITS SHALL BE INCLUDED IN THE BID FROM THE UTILITY CONTRACTOR.

28. LOCKNUTS SHALL BACK UP ALL NUTS ON THREADED BOLTS SUCH AS MACHINE BOLTS, ETC. EXISTENCE OF LOCKNUTS WILL BE CLOSELY EXAMINED BY THE UTILITY OWNER DURING CONSTRUCTION. BOLTS SHALL NOT EXTEND MORE THAN TWO (2) INCHES FROM NUTS.

29. THE UTILITY CONTRACTOR SHALL INSTALL FIBERGLASS INSULATOR GUYLINKS ON ALL DOWNGUYS WITHIN TWO (2) FEET OF PRIMARY CONDUCTORS.

30. ANCHORS THAT ARE TO BE RETIRED SHALL HAVE THE ROD UNSCREWED AND REMOVED, OR BE CUT OFF AT LEAST EIGHTEEN (18) INCHES BELOW FINAL GRADE.

31. THE UTILITY CONTRACTOR SHALL PROVIDE THE UTILTY OWNER WITH ONE (1) SET OF CLEAN, CLEARLY MARKED "AS-BUILT" DRAWINGS AT THE COMPLETION OF THE PROJECT. THESE DRAWINGS SHALL REFLECT ANY AND ALL CHANGES THAT WERE MADE TO THE FACILITIES DURING CONSTRUCTION.

32. THE UTILITY CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL CONSTRUCTION DRAWINGS AND TECHNICAL SPECIFICATIONS FOR THE RELOCATION OF FACILITIES PRIOR TO BIDDING THE PROJECT. ANY QUESTIONS CONCERNING INFORMATION SHOWN IN THE CONTRACT DOCUMENTS SHALL BE ADDRESSED TO THE UTILITY OWNER / ENGINEER PRIOR TO BIDDING ON THE PROJECT.

33. UTILITY CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTING EACH REEL OF CABLE FOR THE PROJECT. ANY DAMAGE TO THE CABLE SHALL BE REMOVED AND SPLICED AS REQUIRED. ALL CABLES SHALL BE PROTECTED FROM EQUIPMENT OR VEHICLE TRAFFIC WHILE BEING INSTALLED.

PREQUALIFIED CONTRACTORS

RED STAG CONTRACTORS LLC
358 5TH AVE S
BAXTER, TN 38544
931-858-1181

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-03
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH

06/18/2026

GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
POWELL
No. 100945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
DRAWN:	DRB
CHECKED:	BBG
SCALE	DATE
1"=50'	06.12.2026

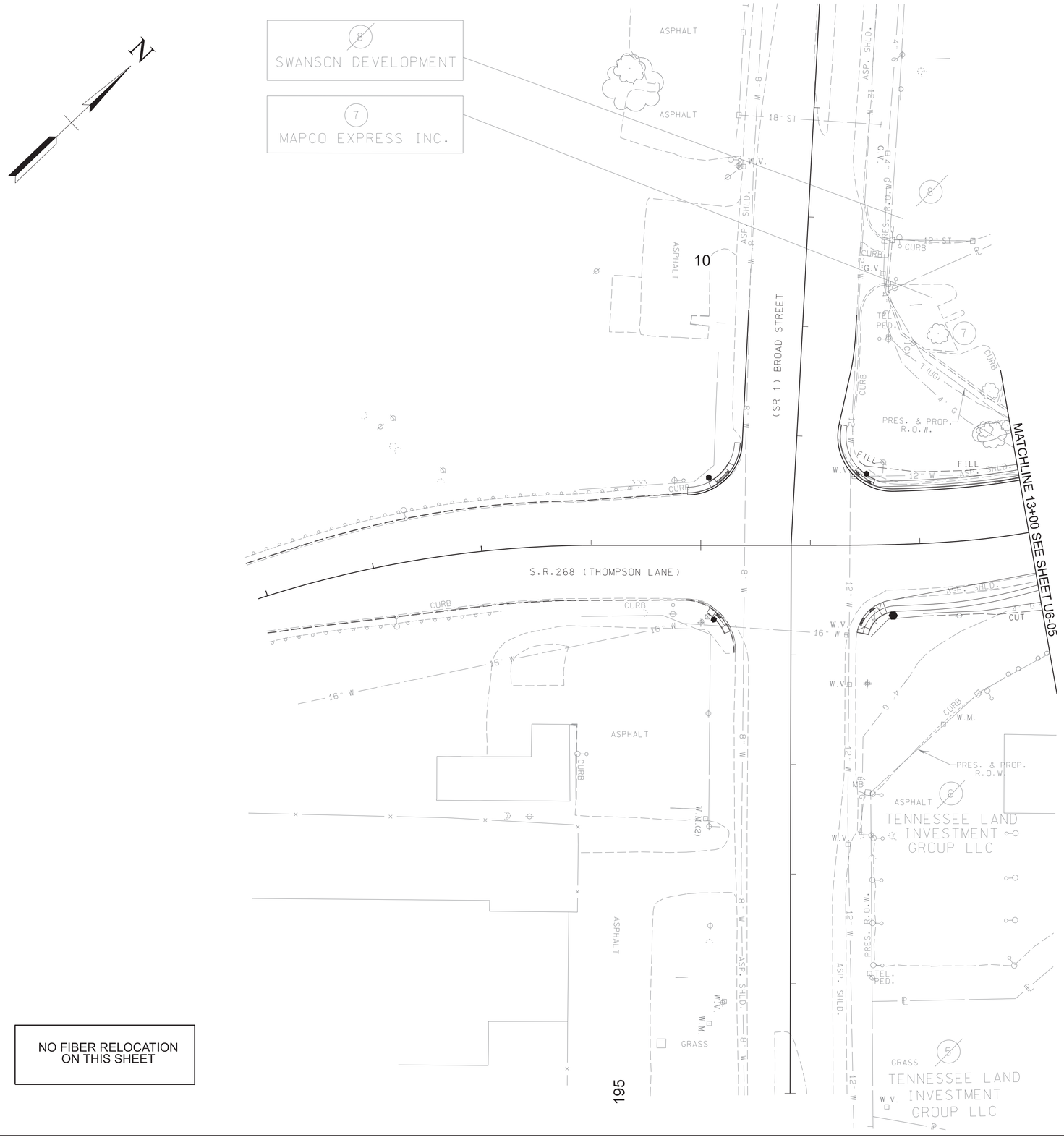
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
GENERAL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-04
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



NO FIBER RELOCATION ON THIS SHEET

Know what's below. Call 811 before you dig.

06/18/2026

GREGORY K. POSTON
REGISTERED ENGINEER
COMMISSIONED
LAWRENCE
No. 100945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
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SCALE	1"=50'
DATE	06.12.2026

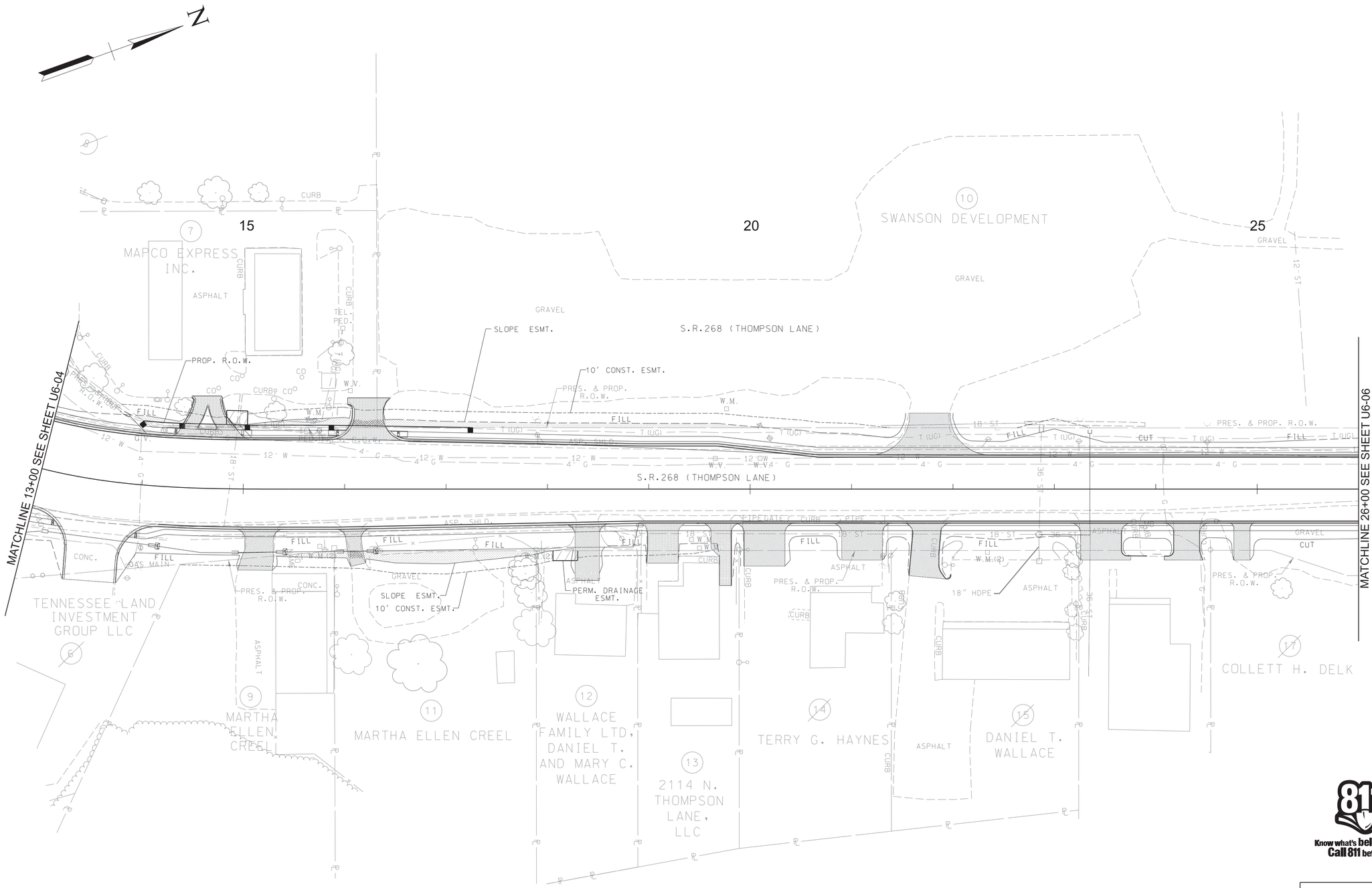
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
BEGIN PROJ. TO STA. 13+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-05
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



NO FIBER RELOCATION ON THIS SHEET

Know what's below. Call 811 before you dig.

06/18/2026
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
No. 100945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
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SCALE	1"=50'
DATE	06.12.2026

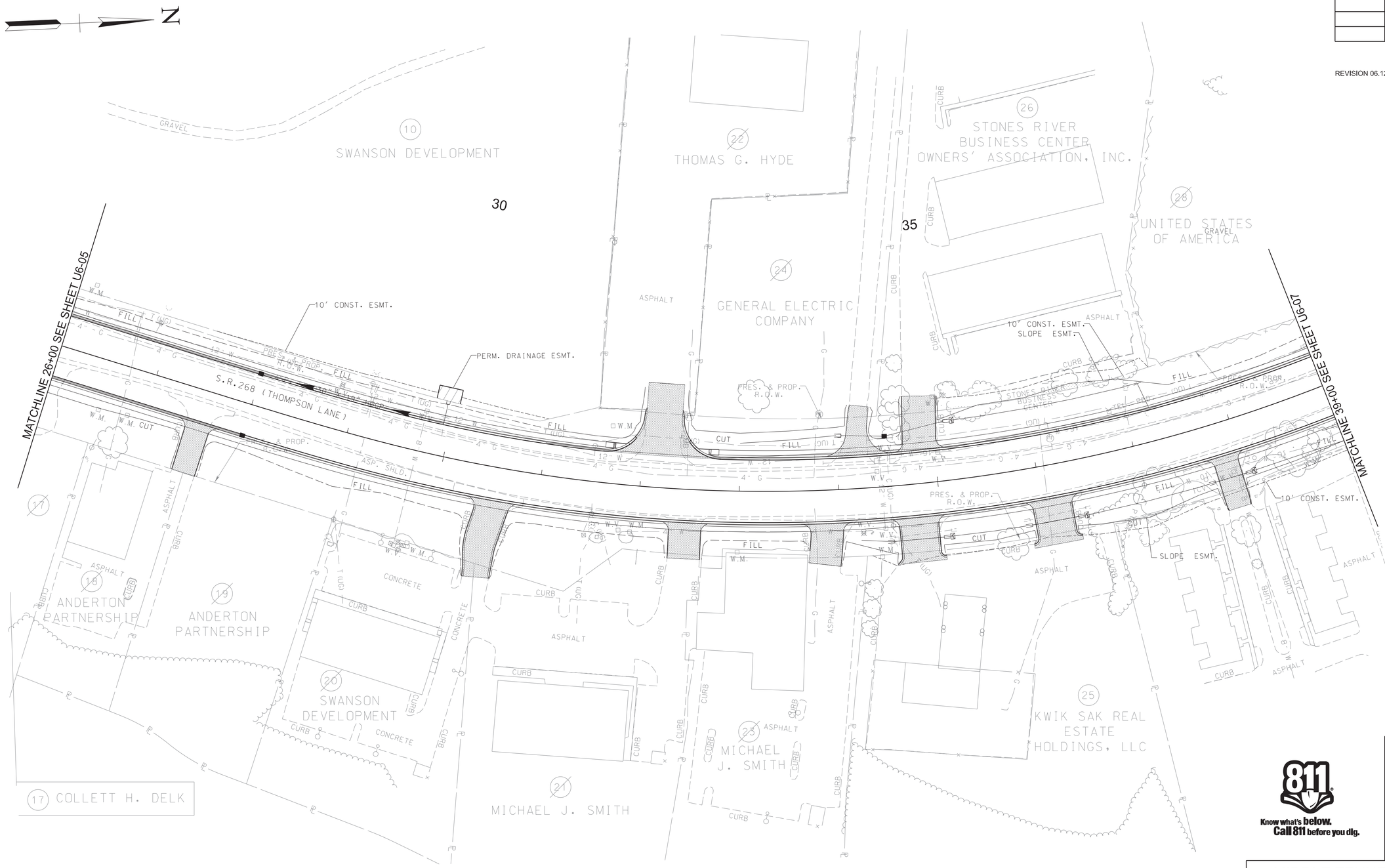
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 13+00 TO STA. 26+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-06
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



NO FIBER RELOCATION ON THIS SHEET

Know what's below. Call 811 before you dig.

06/18/2026
GREGORY K. POSTON
REGISTERED ENGINEER
No. 100945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
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SCALE	1"=50'
DATE	06.12.2026

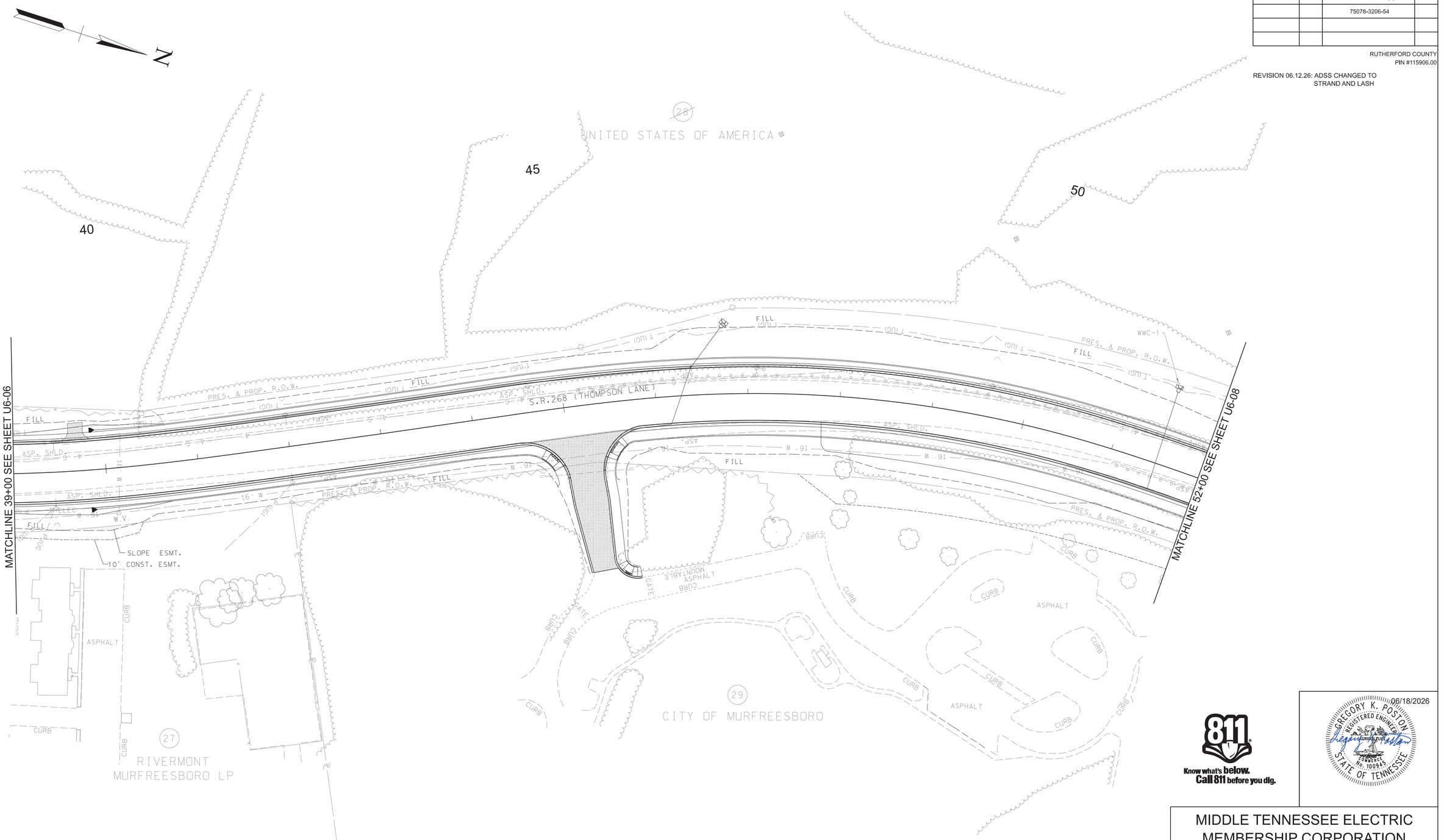
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 26+00 TO STA. 39+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-07
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



NO FIBER RELOCATION ON THIS SHEET

Know what's **below.** **Call 811** before you dig.

06/18/2026

GREGORY K. POSTON
REGISTERED ENGINEER
COMMERCE
No. 100945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
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SCALE	1"=50'
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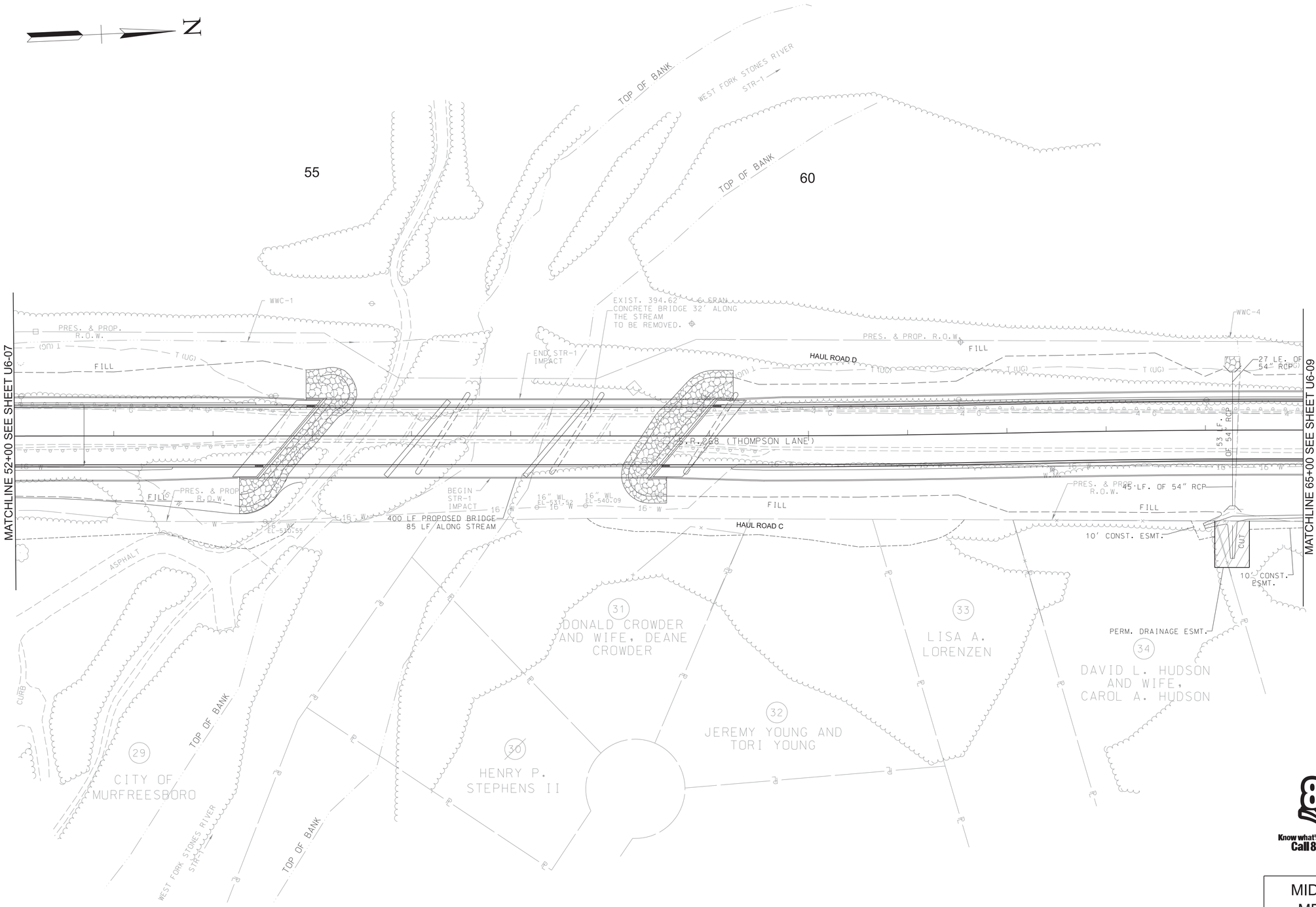
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 39+00 TO STA. 52+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-08
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



NO FIBER RELOCATION ON THIS SHEET

Know what's **below.** **Call 811** before you dig.

06/18/2026
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
No. 102945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
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SCALE	1"=50'
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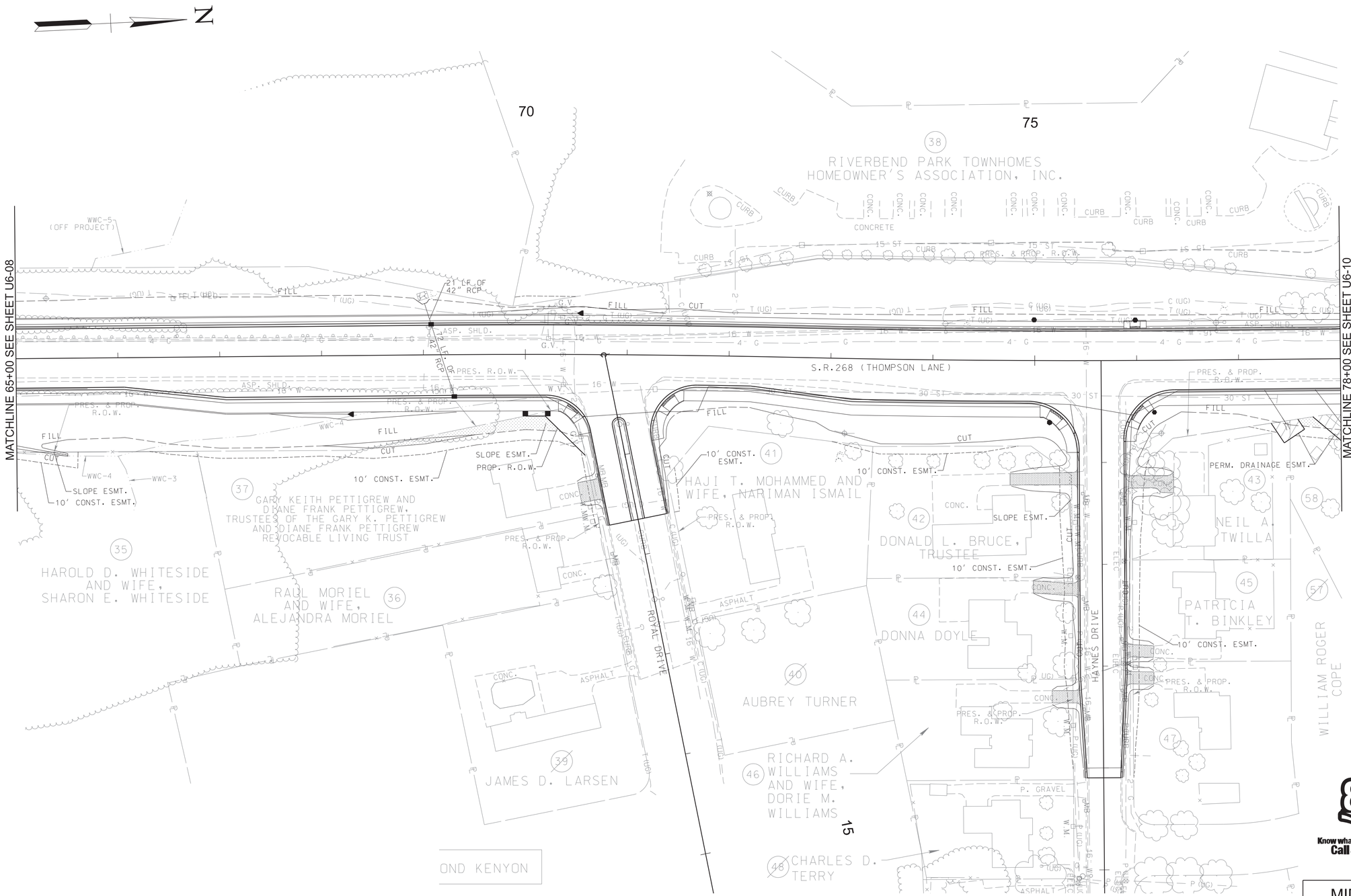
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 52+00 TO STA. 65+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-09
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



NO FIBER RELOCATION ON THIS SHEET

Know what's below. Call 811 before you dig.

06/18/2026
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
No. 100945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
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SCALE	1"=50'
DATE	06.12.2026

Gresham Smith

2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 65+00 TO STA. 78+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-10
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



NO FIBER RELOCATION ON THIS SHEET

Know what's below. Call 811 before you dig.

06/18/2026

GREGORY K. POSTON
REGISTERED ENGINEER
CONSULTANT
No. 100945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

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SCALE	1"=50'
DATE	06.12.2026

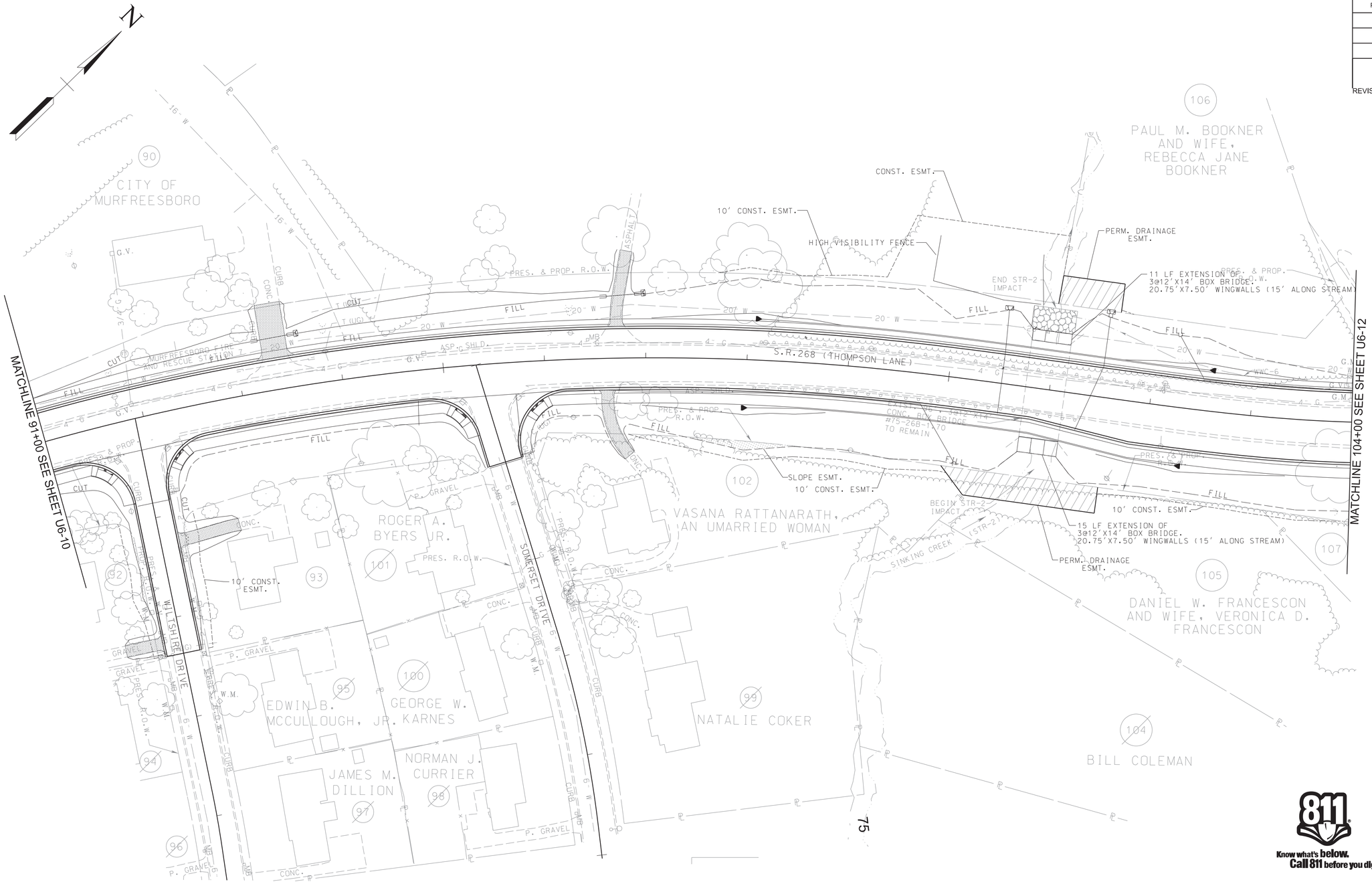
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 78+00 TO STA. 91+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-11
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



NO FIBER RELOCATION ON THIS SHEET

Know what's below. Call 811 before you dig.

06/18/2026
GREGORY K. POSTON
REGISTERED ENGINEER
COMMISSION
No. 100945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
DRAWN:	DRB
CHECKED:	BBG
SCALE	1"=50'
DATE	06.12.2026

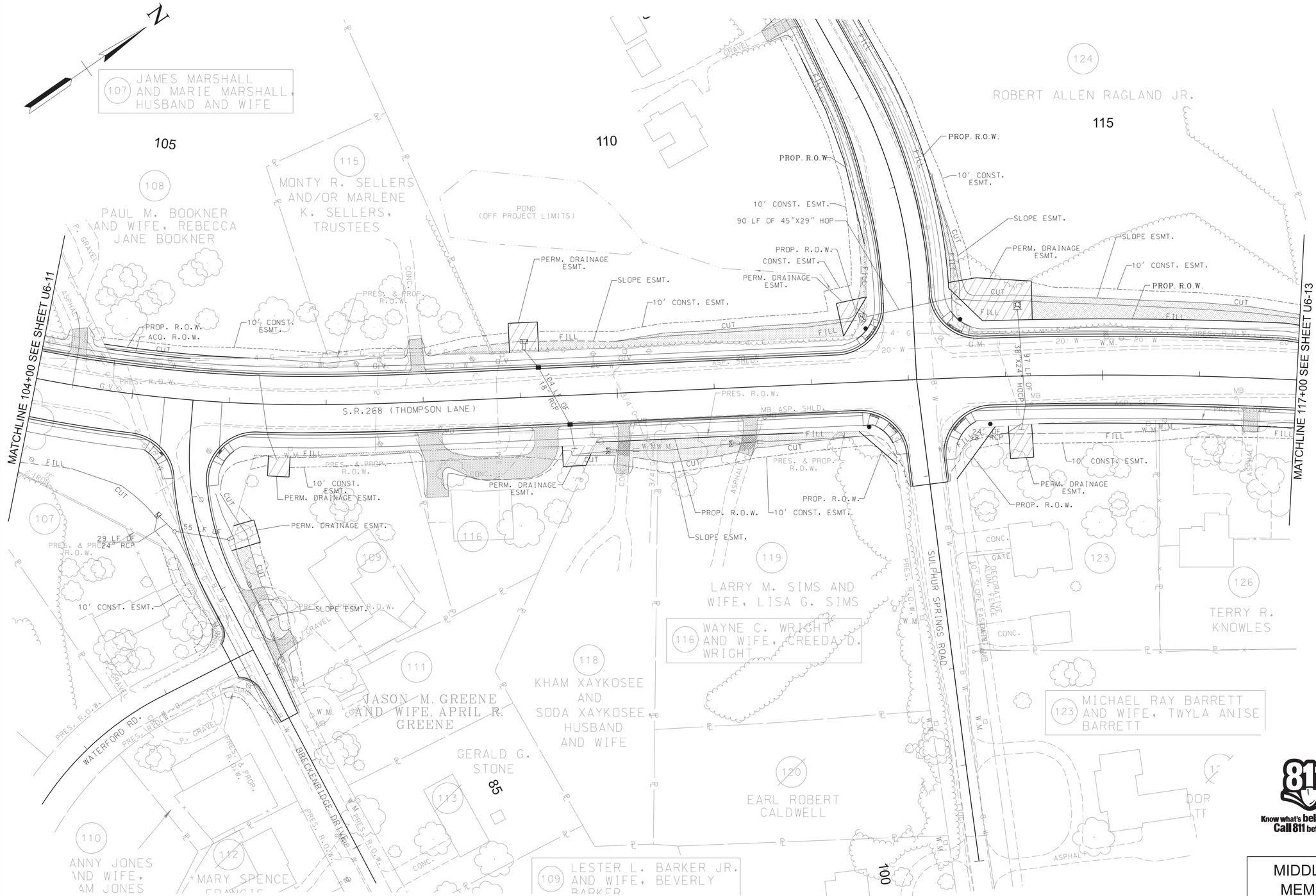
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 91+00 TO STA. 104+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-12
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



NO FIBER RELOCATION ON THIS SHEET

Know what's below. Call 811 before you dig.

06/18/2026
GREGORY K. POSTON
REGISTERED ENGINEER
No. 100945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
DRAWN:	DRB
CHECKED:	BBG
SCALE	1"=50'
DATE	06.12.2026

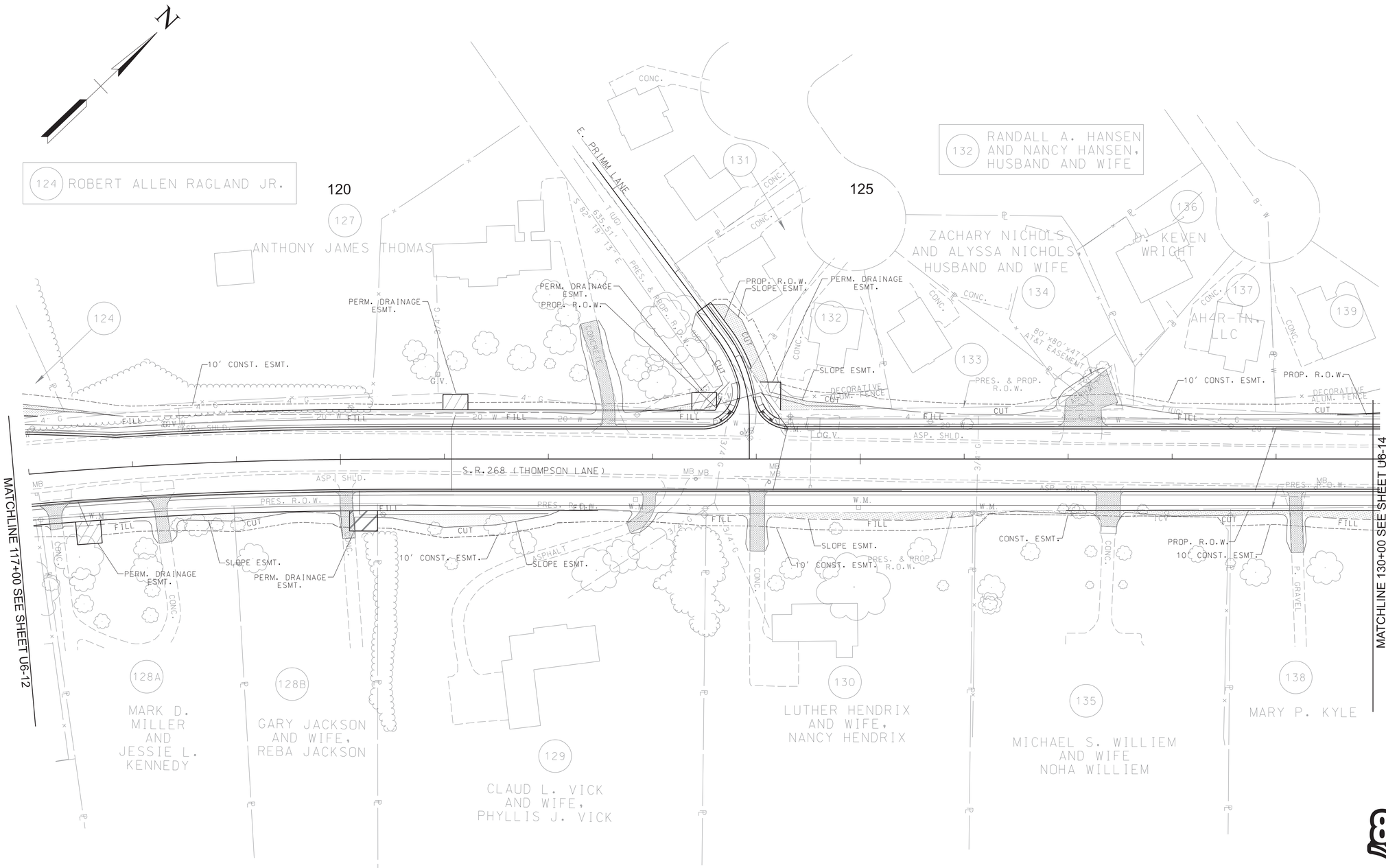
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 104+00 TO STA 117+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-13
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



NO FIBER RELOCATION ON THIS SHEET

Know what's below. Call 811 before you dig.

06/18/2026
GREGORY K. POSTON
REGISTERED ENGINEER
No. 100845
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
DRAWN:	DRB
CHECKED:	BBG
SCALE	DATE
1"=50'	06.12.2026

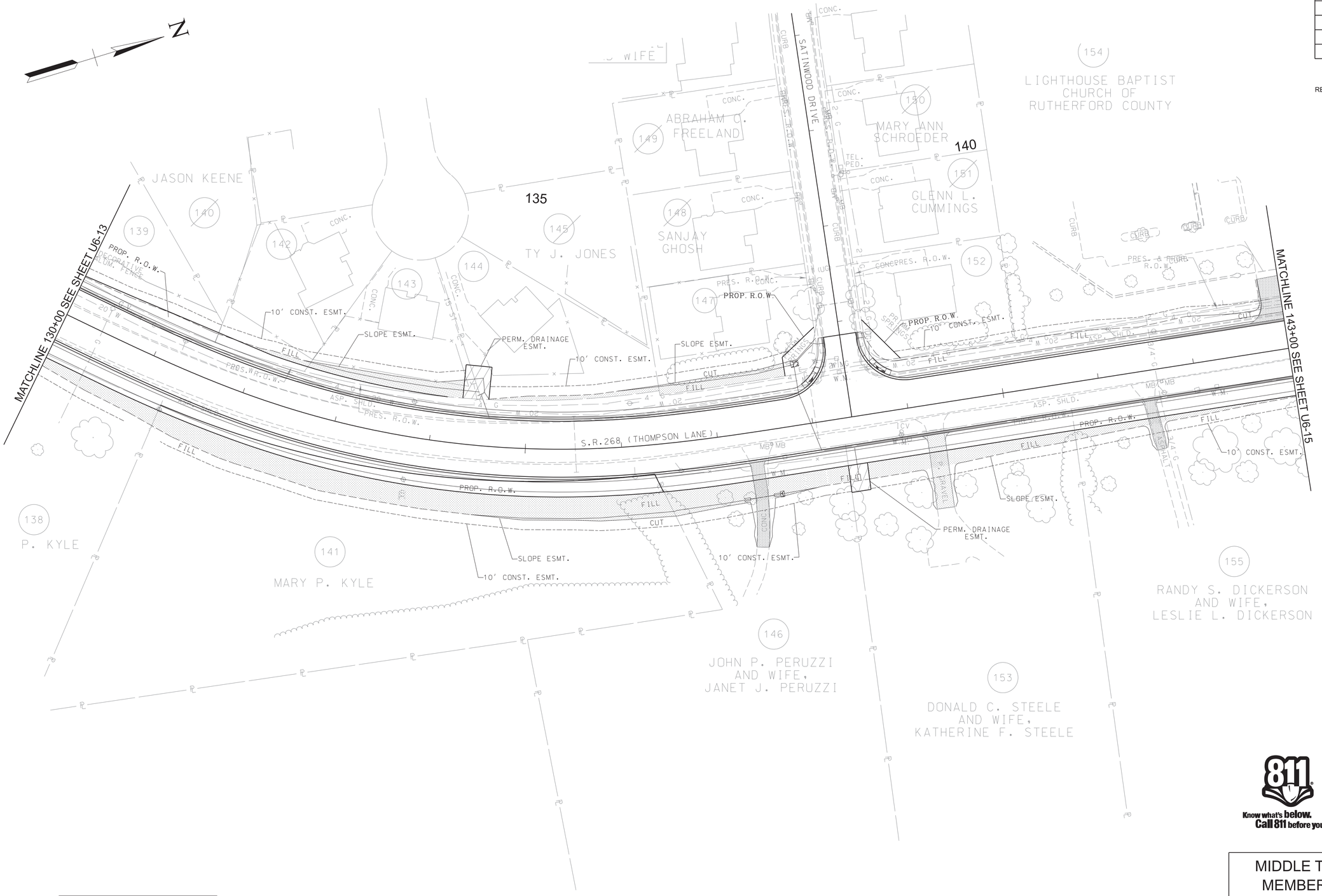
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 117+00 TO STA. 130+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-14
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



NO FIBER RELOCATION ON THIS SHEET

Know what's below. Call 811 before you dig.

06/18/2026

GREGORY K. POSTON
REGISTERED ENGINEER
COMPLETION
LICENSE No. 100945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
DRAWN:	DRB
CHECKED:	BBG
SCALE	DATE
1"=50'	06.12.2026

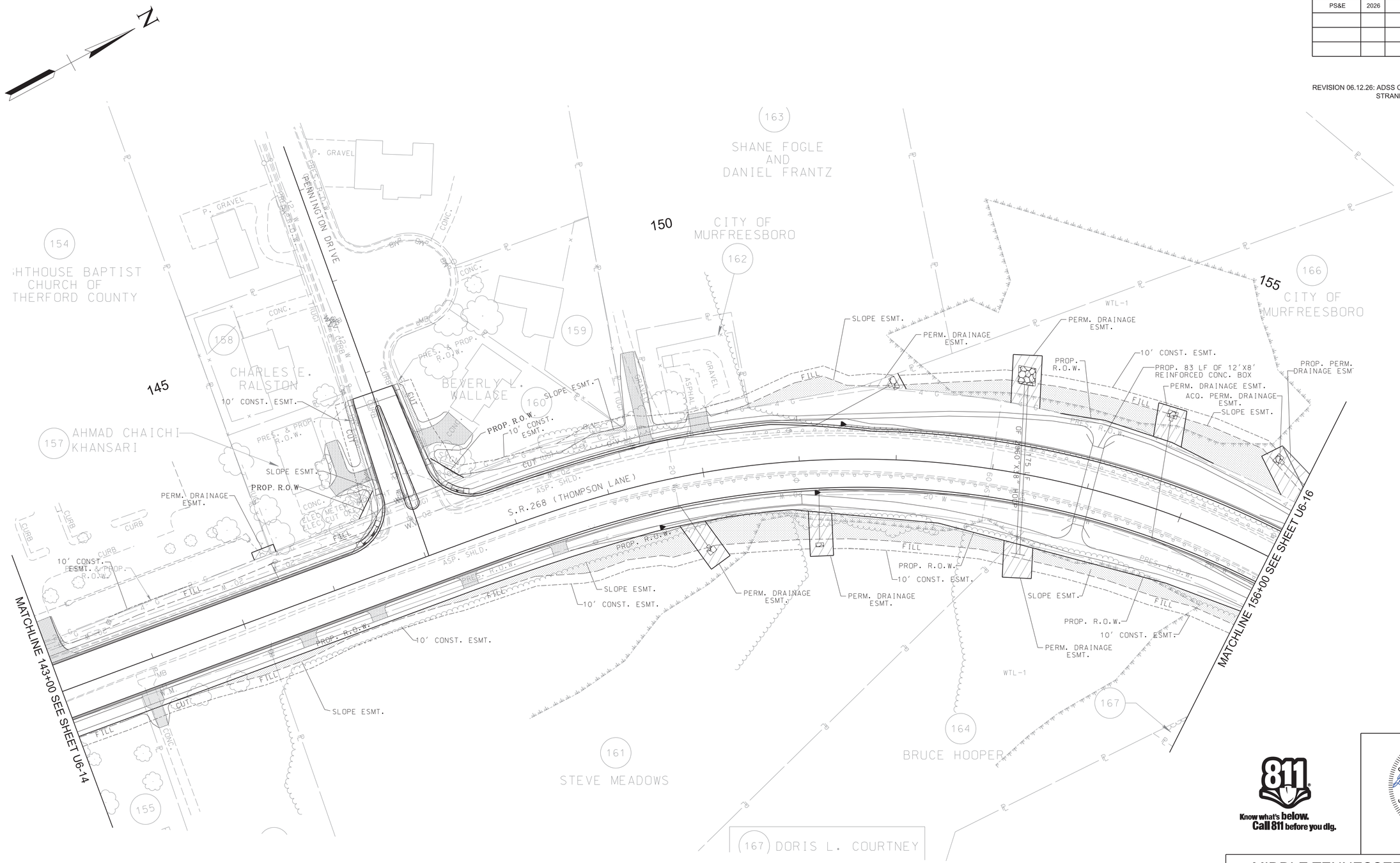
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 130+00 TO STA. 143.+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-15
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



NO FIBER RELOCATION ON THIS SHEET

Know what's below. Call 811 before you dig.

06/18/2026

GREGORY K. POSTON
REGISTERED ENGINEER
No. 100945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
DRAWN:	DRB
CHECKED:	BBG
SCALE	1"=50'
DATE	06.12.2026

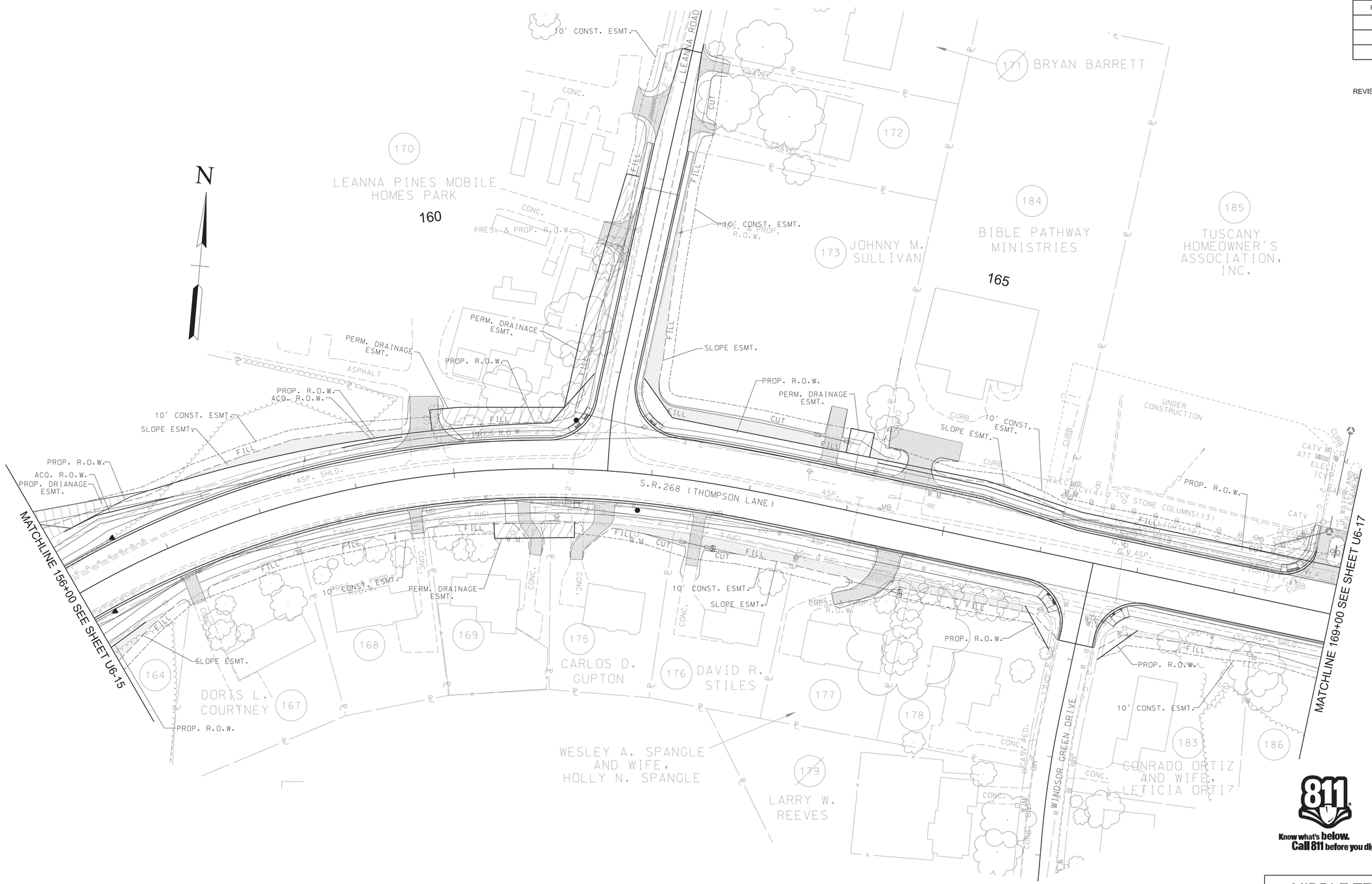
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 143+00 TO 156+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-16
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



NO FIBER RELOCATION ON THIS SHEET

Know what's **below.** **Call 811** before you dig.

06/18/2026

GREGORY K. POSTON
REGISTERED ENGINEER
No. 100945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
DRAWN:	DRB
CHECKED:	BBG
SCALE	1"=50'
DATE	06.12.2026

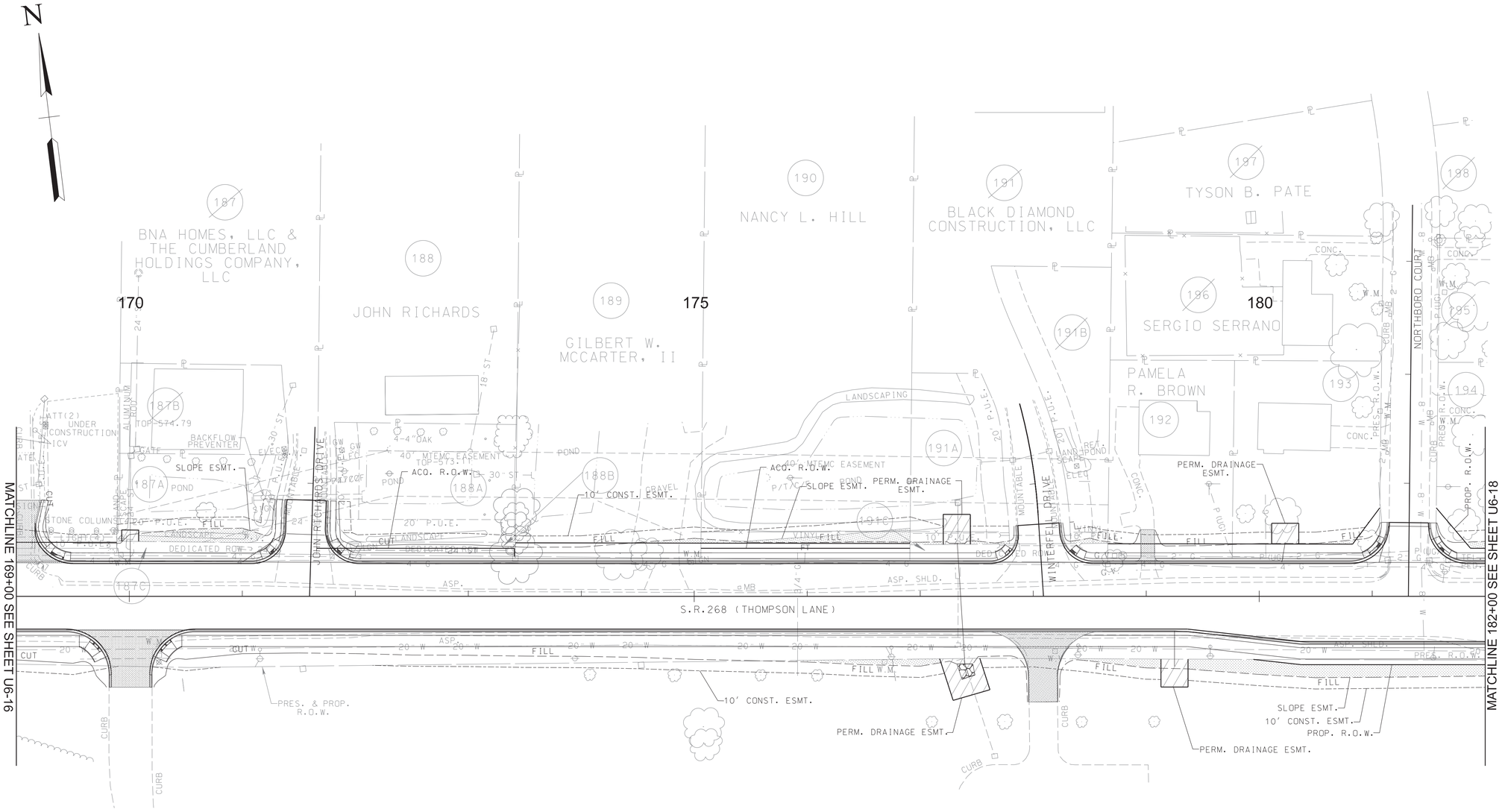
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 156+00 TO STA. 169+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-17
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



NO FIBER RELOCATION ON THIS SHEET

Know what's below. Call 811 before you dig.

06/18/2026

GREGORY K. POSTON
REGISTERED ENGINEER
No. 100945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
DRAWN:	DRB
CHECKED:	BBG
SCALE	1"=50'
DATE	06.12.2026

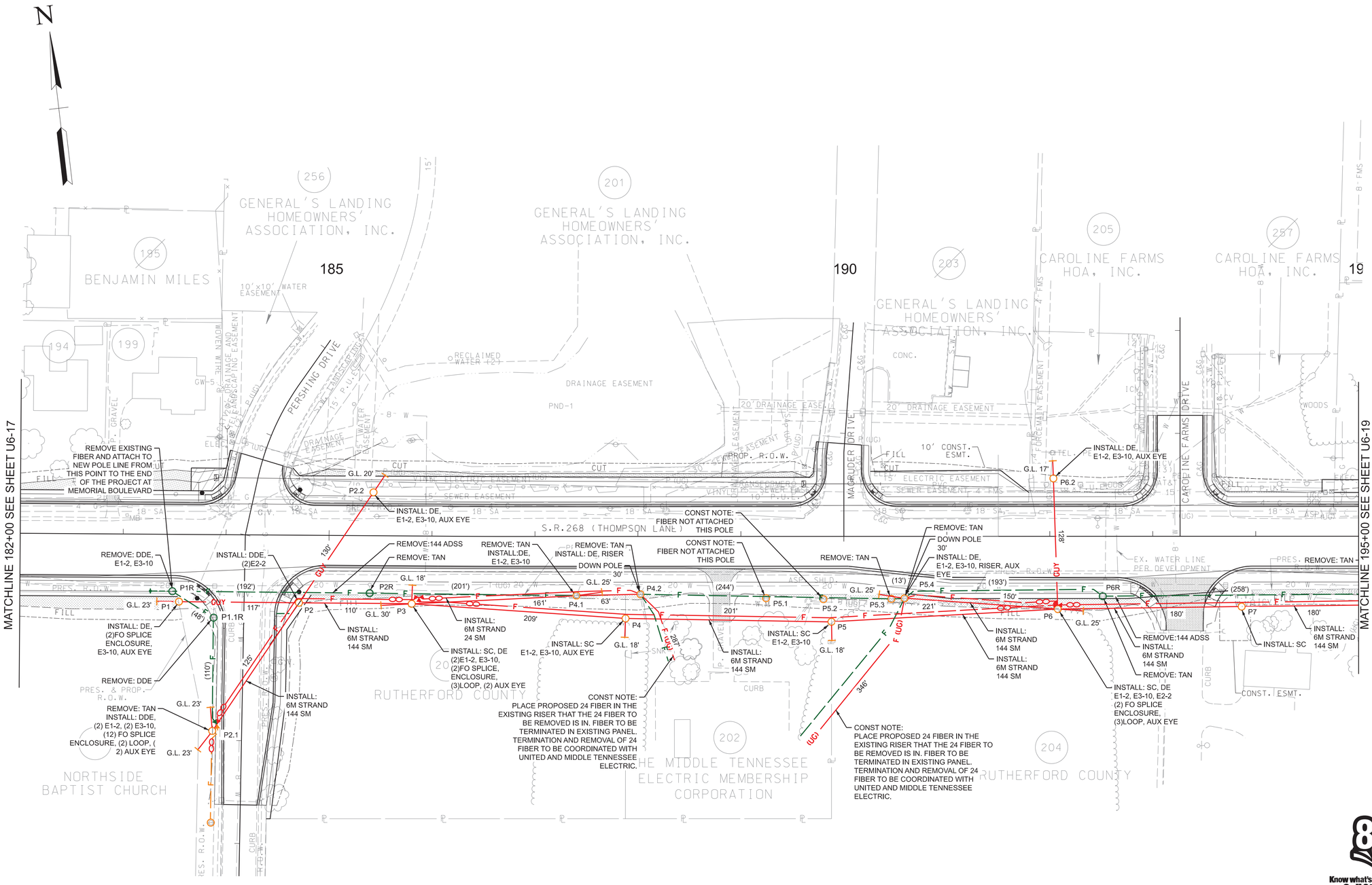
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 169+00 TO STA. 182+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-18
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



811 Know what's below. Call 811 before you dig.

06/18/2026
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 100945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
DRAWN:	DRB
CHECKED:	BBG
SCALE	1"=50'
DATE	06.12.2026

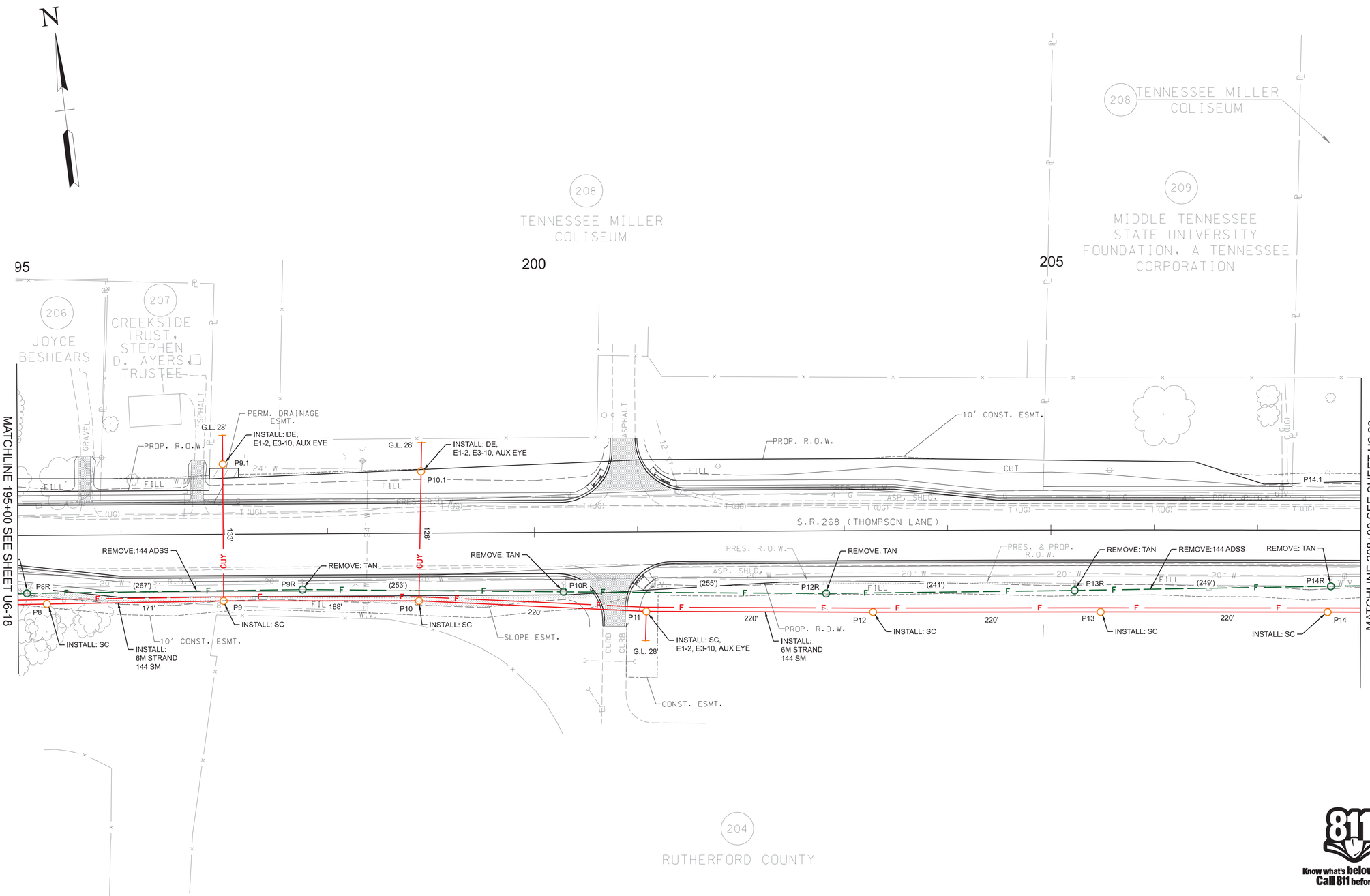
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 182+00 TO STA. 195+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-19
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



Know what's below. Call 811 before you dig.

06/18/2026

GREGORY K. POSTON
REGISTERED ENGINEER
STATE OF TENNESSEE
No. 100945

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
DRAWN:	DRB
CHECKED:	BBG
SCALE	1"=50'
DATE	06.12.2026

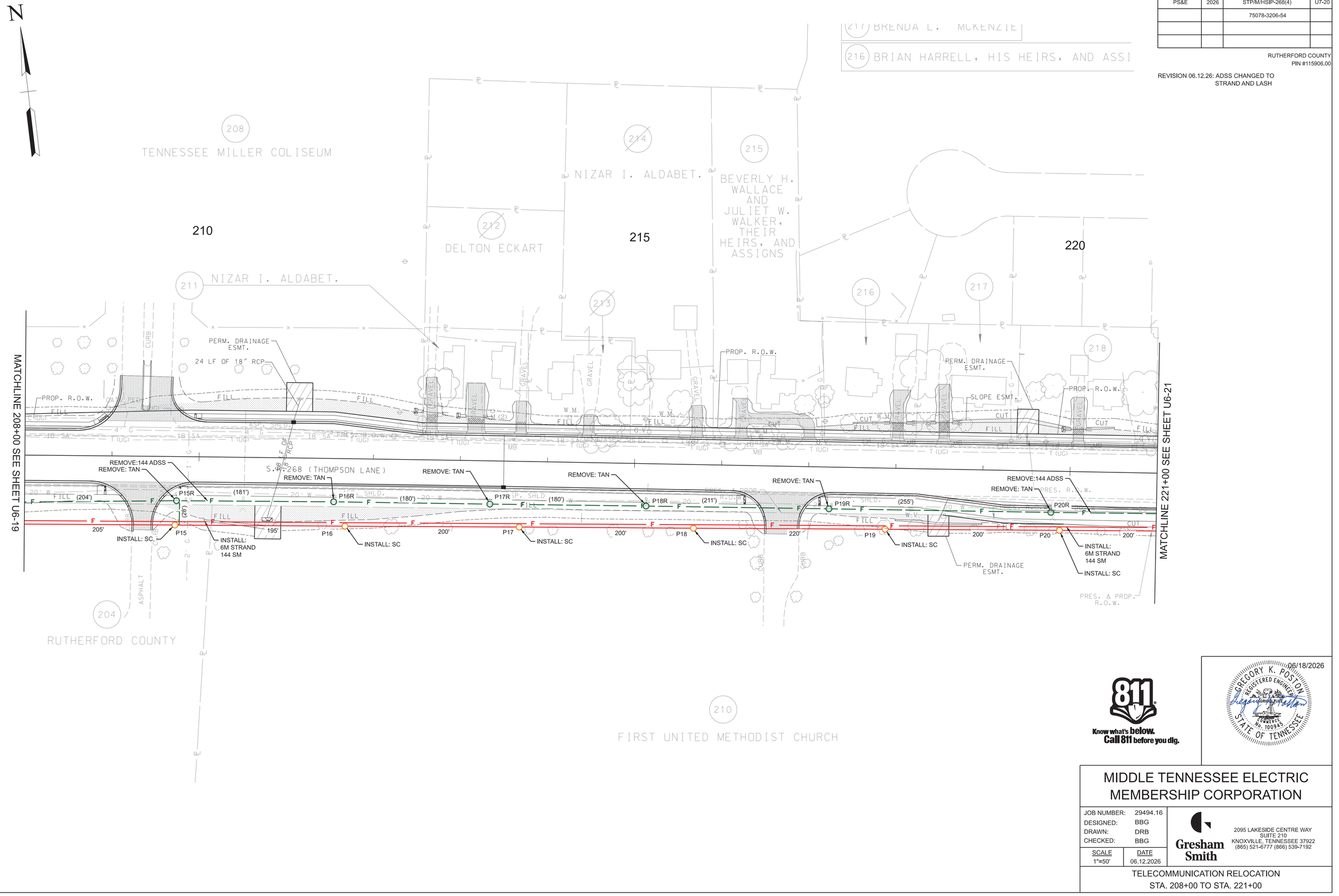
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 195+00 TO STA. 208+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-20
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



Know what's below. Call 811 before you dig.

06/18/2026

GREGORY K. POSTON
REGISTERED ENGINEER
STATE OF TENNESSEE
NO. 100945

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
DRAWN:	DRB
CHECKED:	BBG
SCALE	1"=50'
DATE	06.12.2026

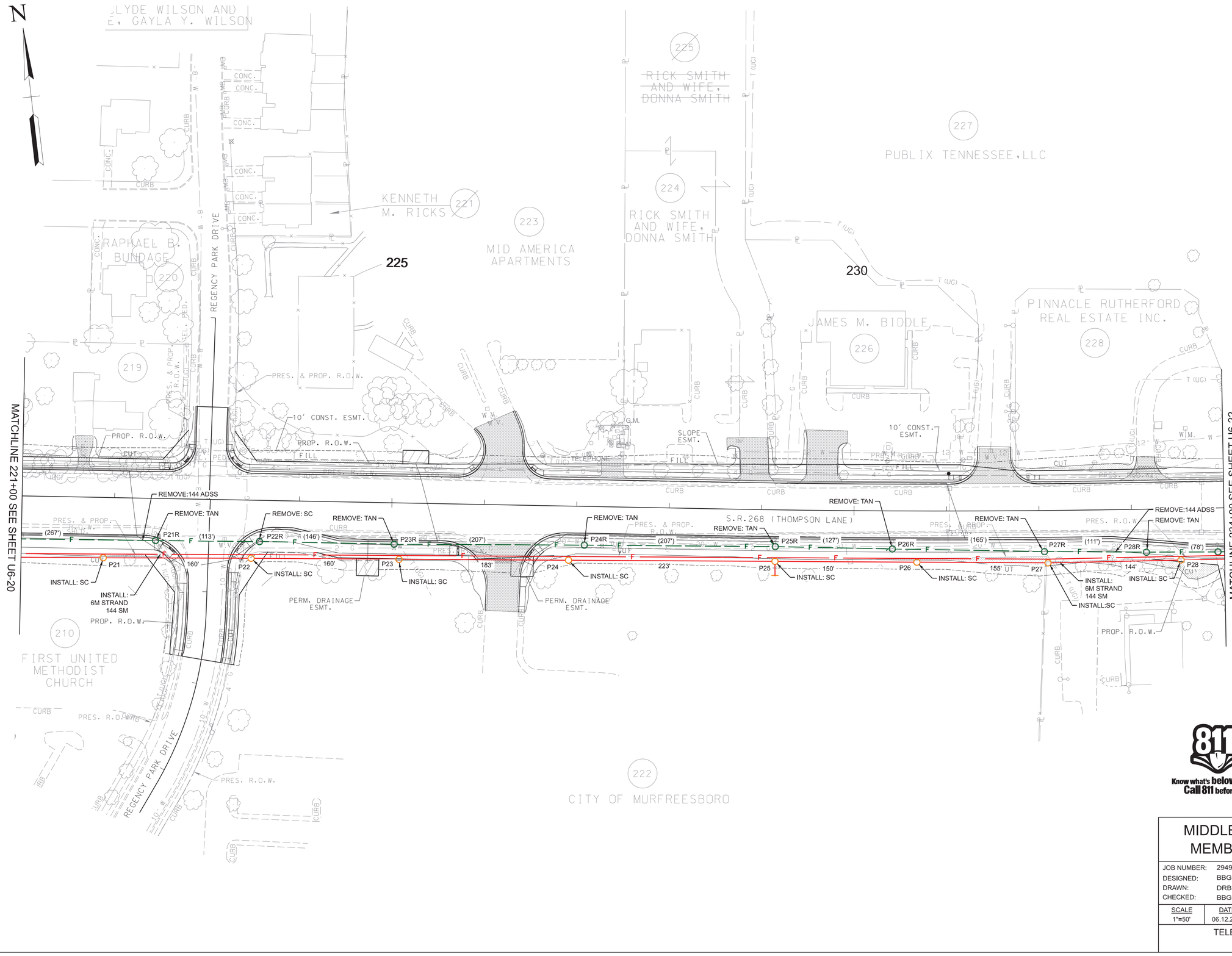
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 208+00 TO STA. 221+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-21
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



Know what's below. Call 811 before you dig.

06/18/2026

GREGORY K. POSTON
REGISTERED ENGINEER
CONSULTANT
No. 100945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
DRAWN:	DRB
CHECKED:	BBG
SCALE	1"=50'
DATE	06.12.2026

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

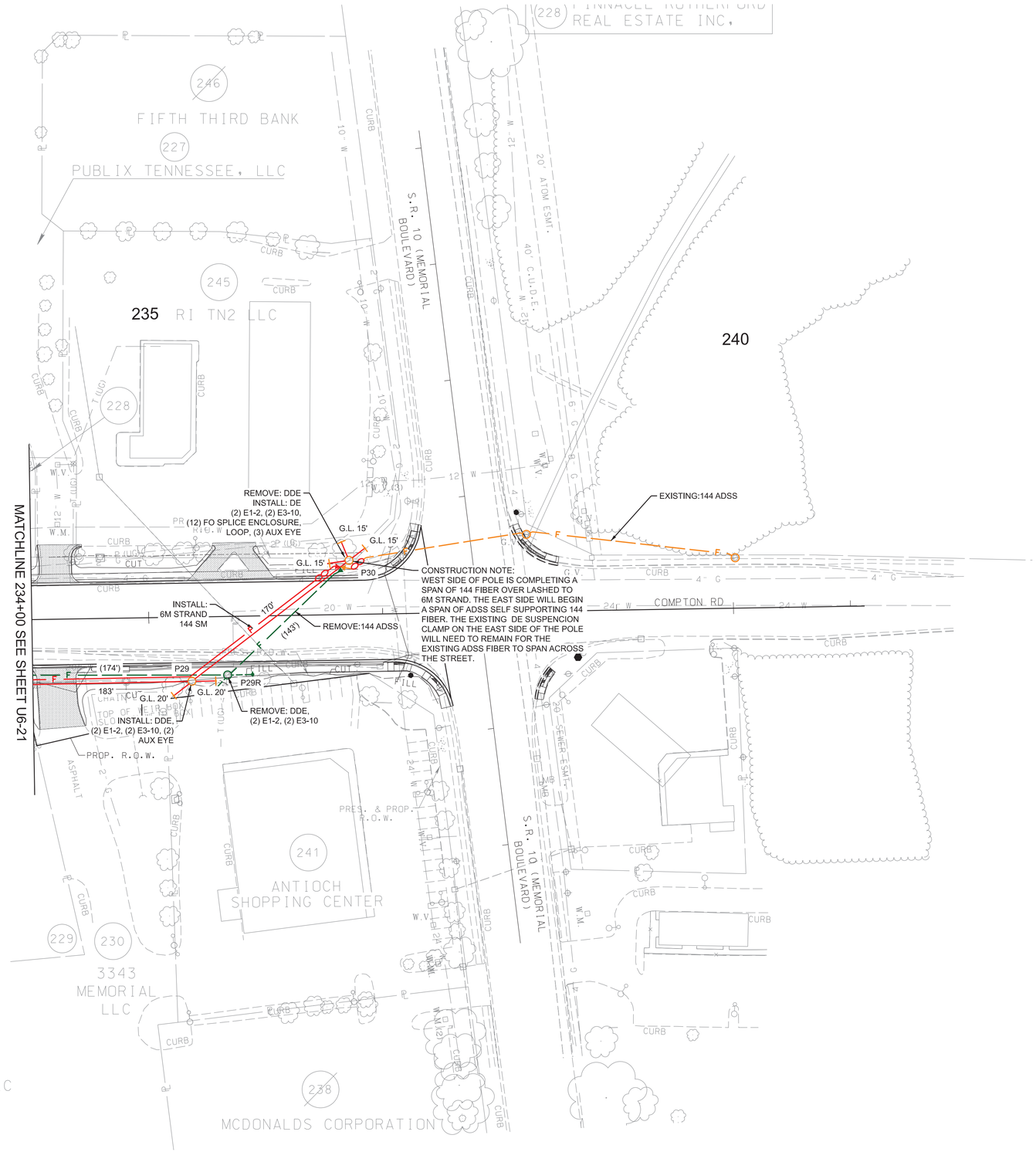
TELECOMMUNICATION RELOCATION
STA. 221+00 TO STA. 234+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-22
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH

N



Know what's **below.** **Call 811** before you dig.

06/18/2026
GREGORY K. POSTON
REGISTERED ENGINEER
COMMISSIONED
No. 100945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
DRAWN:	DRB
CHECKED:	BBG
SCALE	1"=50'
DATE	06.12.2026

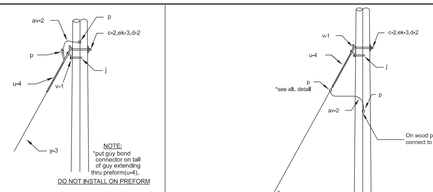
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 234+00 TO E.O.P.

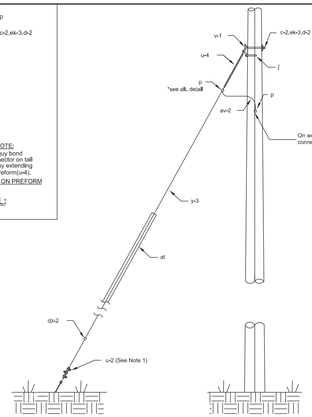
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-23
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



ALTERNATE DETAIL:



NOTES:
1. Where multiple guys installed in one anchor, turn bolts all one direction.
2. Use VE1-2A on steel poles.
3. Use VE1-2A when #336 ACSR or larger is present on pole.

MATERIAL LIST

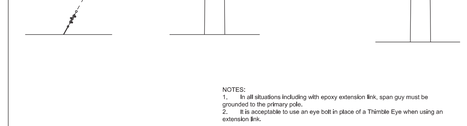
ITEM	CONTROL NUMBER	QUANTITY VE1-2	NISC NUMBER	DESCRIPTION
at	9835	1	10242	Guy Marker (guy guard)
av-2	2120A	-	1254	Conductor, No. 4 BC, Soft Drawn (Size as required)
c-2	0370	1	-	Bolt, Machine, 5/8" x Required Length
d-2	0620A	1	10027	Washer, Curved, 3" x 3" x 1/4", 13/16" hole
dz-2	1430B	1	10035	Clip, Guy Wire, 3/8"
ek-3	9746	1	10124	Locknut, 5/8"
j	0550A	1	10025	Screw, lag, 1/2" x 4"
p	-	-	-	Connectors as required
u-2	1440B	1	1218	Clamp, 3 bolt, heavy
u-4	1435B	1	1217	Deadend, guy strand, Formed type, 3/8"
v-1	1466A	1	1219	Guy Attachment
y-3	1410A	50'	1216	Guy Wire, 3/8" HI-Strength

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

DOWN GUY
THROUGH BOLT TYPE
WOOD POLE CONSTRUCTION
(SMALL CONDUCTORS)

REVISED: 12-10-19
DES.: CB APPR.: ____
DRAWN: K.KESLER

E1-2



NOTES:
1. In all situations including with epoxy extension link, span guy must be grounded to the primary pole.
2. It is acceptable to use an eye bolt in place of a Thimble Eye when using an extension link.

MATERIAL LIST

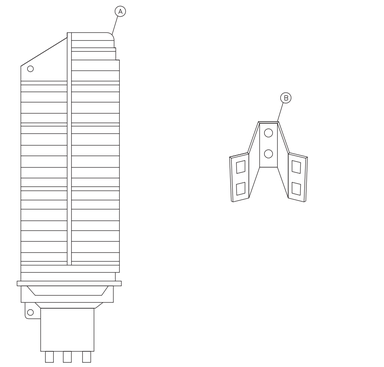
ITEM	CONTROL NUMBER	QUANTITY	DESCRIPTION
ao	0345	2	Bolt, 5/8" Thimble Eye, Length as Required
av-2	2120A	10	Conductor, No. 4 BC, Soft Drawn
c-2	0370	1	Bolt, 5/8" Machine, Length as Required
d-2	0620A	4	Washer, Curved, 3" x 3" x 1/4", 13/16" Hole
ek-3	9746	3	Locknut, 5/8"
p	-	-	Connector as required
u-4	1435B	2	Deadend, Guy Strand, Formed Type, 3/8"
y-3	1410A	100'	Guy Strand, 3/8", HI-Strength

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

SINGLE OVERHEAD GUY
(THROUGH BOLT TYPE)

REVISED: 01-04-21
DES.: CWB APPR.: ____
DRAWN: K.KESLER

E2-10



MATERIAL LIST

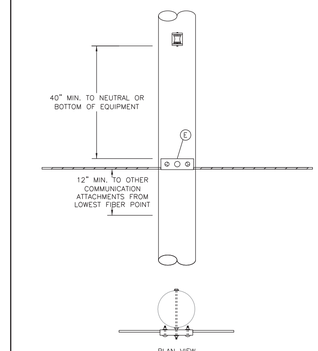
ITEM	CONTROL NUMBER	QUANTITY	DESCRIPTION
A	680042	1	Tyco D - Splice Closure (144 Count Lateral)
B	680056	1	Tyco Pole Mount Bracket (For FOSC Closure)
C	880019-N	10	4" Lag Screw (Not Shown)

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

UNDERGROUND FIBER
F-M-TYCOD
TYCOD D ENCLOSURE

REVISED: XX-XX-XX
DES.: XXX APPR.: ____
DRAWN: XXXXXXX

FIBER ENCLOSURE



NOTES:
1. ALL TREADED BOLTS REQUIRE LOCKNUTS.
2. GROUND MESSENGER TO POLE GROUND.

MATERIAL LIST

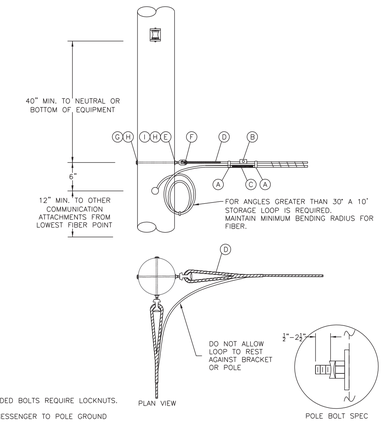
ITEM	CONTROL NUMBER	QUANTITY	DESCRIPTION
A	680057-N	2	Nut, Regular, Square, 5/8"
B	680045	1	Clamp, Suspension, Straight
C	880056-N	1	Nut, Lock, MF Curved Type, 5/8" Thread
C	880043-N	1	Bolt, Machine, SQ Head, 5/8" X Req'd Length
G	880060-N	2	Washer, SQ Flat, 11/16" Hoole, 2" SQ

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

OVERHEAD FIBER-LASHED
F-M-A1-2
STRAIGHT THROUGH POLE
WITHOUT FIBER

REVISED: XX-XX-XX
DES.: XXX APPR.: ____
DRAWN: XXXXXXX

SC



NOTES:
1. ALL THREADED BOLTS REQUIRE LOCKNUTS.
2. GROUND MESSENGER TO POLE GROUND

MATERIAL LIST

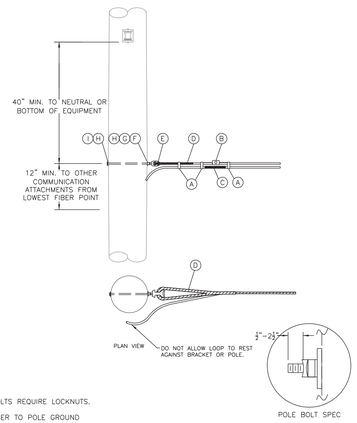
ITEM	CONTROL NUMBER	QUANTITY	DESCRIPTION
A	880014-N	4	Spacer, Bell Cable 1/2"
B	880022-N	4	Strap, Lashing, Stainless Steel
C	880003-N	2	Clamp, Bug Nut
C	680041	1	Fiber Cable OH Marker Customizable
D	88	2	Deadend, Guy Wire 1/4"
E	680057-N	2	Nut, Regular, Square, 5/8"
F	680045	2	Eyenut, Thimbleye 5/8"
G	880056-N	2	Bolt, Machine, SQ Head, 5/8" X Req'd Length
H	880043-N	4	Washer, SQ Flat, 11/16" Hoole, 2" SQ
I	880060-N	2	Nut, Lock, MF Curved Type, 5/8" Thread

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

OVERHEAD FIBER-LASHED
F-M-A4
DOUBLE DEADEND
CORNER ASSEMBLY

REVISED: XX-XX-XX
DES.: XXX APPR.: ____
DRAWN: XXXXXXX

DDE



NOTES:
1. ALL THREADED BOLTS REQUIRE LOCKNUTS.
2. GROUND MESSENGER TO POLE GROUND

MATERIAL LIST

ITEM	CONTROL NUMBER	QUANTITY	DESCRIPTION
A	880014-N	4	Spacer, Bell Cable 1/2"
A	880022-N	4	Strap, Lashing, Stainless Steel
B	880003-N	2	Clamp, Bug Nut
C	680041	1	Fiber Cable OH Marker Customizable
D	880001-N	2	Deadend, Guy Wire 1/4"
E	880059-N	2	Nut, Regular, Square, 5/8"
F	880056-N	2	Eyenut, Thimbleye 5/8"
G	880057-N	2	Nut, Lock, MF Curved Type, 5/8" Thread
H	880060-N	4	Washer, SQ Flat, 11/16" Hoole, 2" SQ
I	880043-N	2	Bolt, Machine, SQ Head, 5/8" X Req'd Length

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

OVERHEAD FIBER-LASHED
F-M-A5
SINGLE DEADEND

REVISED: XX-XX-XX
DES.: XXX APPR.: ____
DRAWN: XXXXXXX

DE

Know what's below. Call 811 before you dig.

06/18/2026
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
No. 100945
STATE OF TENNESSEE

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
DRAWN:	DRB
CHECKED:	BBG
SCALE	1"=50'
DATE	06.12.2026

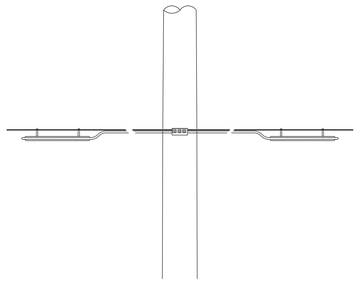
Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

CONSTRUCTION DETAILS

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP/M/HSIP-268(4)	U7-24
		75078-3206-54	

RUTHERFORD COUNTY
PIN #115906.00

REVISION 06.12.26: ADSS CHANGED TO STRAND AND LASH



NOTES:

1. FIBEROPTIC STRAND STORAGE IS ANTEC* FIBERLOOP* MODEL FOSS-2.
2. STRAND STORAGE IS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

MATERIAL LIST

ITEM	CONTROL NUMBER	QUANTITY	DESCRIPTION
1		2	Fiberoptic Receiver
2			Fiberoptic Receiver

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

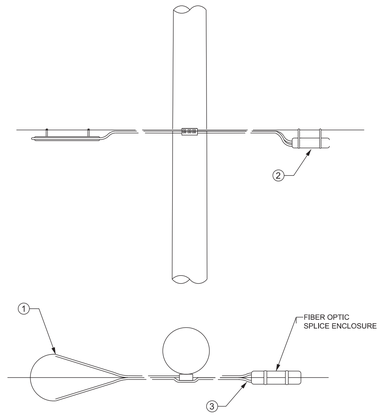
FIBEROPTIC STORAGE LOOP

REVISED: XX-XX-XX

DES.: XXX APPR.: ____

DRAWN: XXXXXXX

LOOP



NOTES:

1. FIBEROPTIC STRAND STORAGE IS ANTEC* FIBERLOOP* MODEL FOSS-2.
2. STRAND STORAGE IS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

MATERIAL LIST

ITEM	CONTROL NUMBER	QUANTITY	DESCRIPTION
1		1	Antec Fiberloop Model Foss-2
2		1	Fiberoptic Splice Enclosure
3		1	Fiber (Length and Size as Required)

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

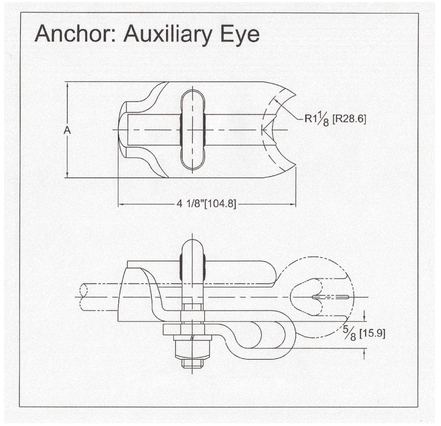
FIBEROPTIC STRAND STORAGE

REVISED: XX-XX-XX

DES.: XXX APPR.: ____

DRAWN: XXXXXXX

FOSS



ITEM	CONTROL NUMBER	QUANTITY	DESCRIPTION
1			XXXXXXX

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

ANCHOR AUXILIARY EYE

REVISED: XX-XX-XX

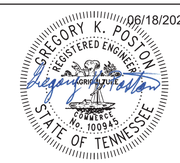
DES.: XXX APPR.: ____

DRAWN: XXXXXXX

AUX-EYE

Know what's **below.**
Call 811 before you dig.

06/18/2026



MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION

JOB NUMBER:	29494.16
DESIGNED:	BBG
DRAWN:	DRB
CHECKED:	BBG
SCALE	DATE
1"=50'	06.12.2026

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2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
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CONSTRUCTION DETAILS