4/9/2026

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Austin Biggs
2026.04.09 10:54:59 -05'00'

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

GRESHAM SMITH
222 2ND AVE SOUTH, SUITE 1400
NASHVILLE, TN 37201-2308
AUSTIN BIGGS, P.E. NO. 126995

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-SIGN1
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
STANDARD TRAFFIC DESIGN DRAWINGS	1A1
PROJECT COMMITMENTS	1B
ESTIMATED ROADWAY QUANTITIES	2, 2-1
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B, 2B1, 2B2
GENERAL NOTES	2C
SPECIAL NOTES	2D
ENVIRONMENTAL NOTES	2E
TABULATED QUANTITIES	2F, 2F1
DETAIL SHEETS	2G
BANK STABILIZATION AND TREE PLANTING DETAILS	2G1
RIGHT-OF-WAY NOTES, UTILITY NOTES AND UTILITY OWNERS	3
RIGHT-OF-WAY ACQUISITION TABLE AND PROPERTY MAP	3A – 3B
PRESENT LAYOUT	4
RIGHT OF WAY DETAILS	4A
PROPOSED LAYOUT	4B
PROPOSED PROFILE	4C
PRESENT UTILITIES LAYOUT	4D
HAUL ROAD PROFILE(S)	5
CULVERT CROSS SECTION	5A
DRAINAGE MAP	6
EROSION PREVENTION AND SEDIMENT CONTROL PLANS	7, 7A, 8, 9, 10
SIGNING AND PAVEMENT MARKING PLAN	11
SIGN SCHEDULE SHEET(S)	12, 12A
ROADWAY CROSS SECTIONS	13 - 28
HAUL ROAD CROSS SECTIONS	29 - 34
TRAFFIC CONTROL PLANS	T1 – T8
RETAINING WALLS	R1

YEAR	PROJECT NO.	SHEET NO.
2026	94004-3234-04	ROADWAY-SIGN 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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INDEX OF SHEETS

SEE SHEET NO. 1A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

DOES THIS PROJECT QUALIFY FOR UTILITY CHAPTER 86	YES X	NO
WORK ZONE SIGNIFICANCE DETERMINATION		
SIGNIFICANT	YES	NO X

TENN.	YEAR	SHEET NO.
	2026	1
STATE PROJ. NO.	94004-3234-04	

WILLIAMSON COUNTY

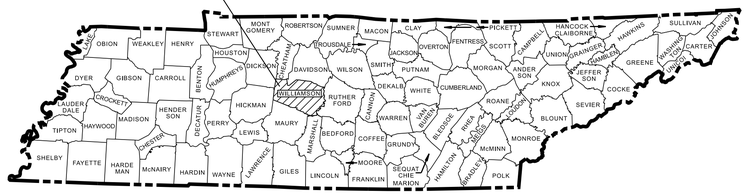
STATE ROUTE 6 (EAST MAIN STREET)
BRIDGE OVER
HARPETH RIVER, L.M. 12.51 (IA)

PS&E PLANS

BRIDGE REPLACEMENT

STATE HIGHWAY NO. 6 F.A.H.S. NO. 31

PROJECT LOCATION
BRIDGE ID. # 94SR0060013



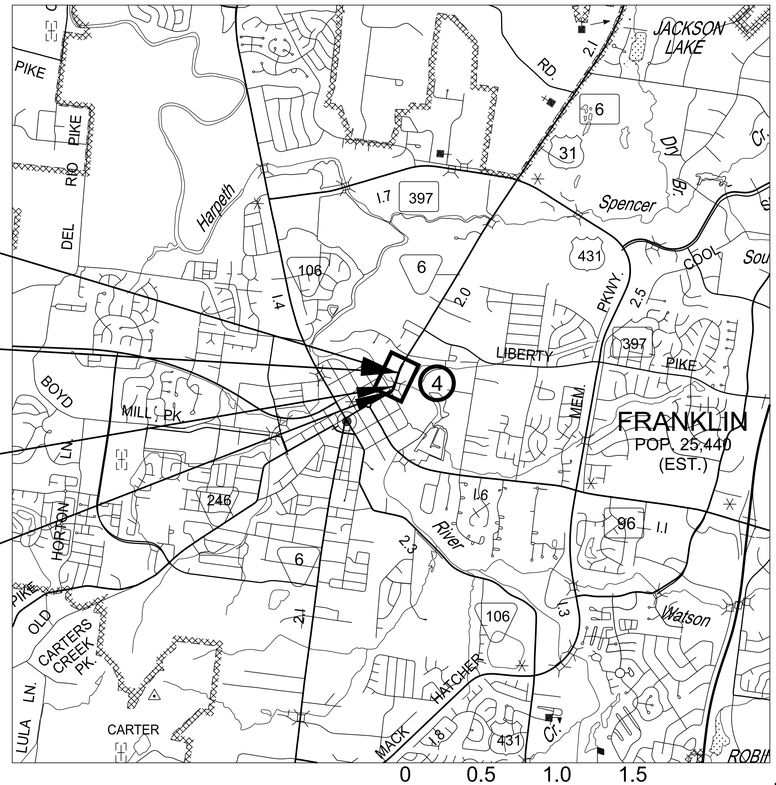
NO EXCLUSIONS

END PROJECT NO. 94004-2234-04 R.O.W.
STA. 108+16.00 SR6
N 581781.0239 E 1712425.5178

BEGIN PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 108+00.00 SR6
N 581765.8399 E 1712420.4608

BEGIN PROJECT NO. 94004-2234-04 R.O.W.
STA. 102+95.19 SR6
N 581284.3148 E 1712268.9845

BEGIN PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 101+25.00 SR6
N 581133.0698 E 1712194.7824



SCALE: 1"= 2640'

N

SEALED BY
AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 126993
STATE OF TENNESSEE
4/9/2026

APPROVED:
SHANE HESTER, CHIEF ENGINEER

DATE:

APPROVED:
WILL REID, COMMISSIONER

SPECIAL NOTES

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

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2021 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT PROJECT MANAGER : SCOTT JOHNSON, P.E.

DESIGNED BY : GRESHAM SMITH

DESIGNER : AUSTIN BIGGS, P.E. CHECKED BY MATT NEWMAN, P.E.

P.E. NO. 94004-1234-04 (DESIGN)

PIN NO. 124873.00

R.O.W. LENGTH	0.098 MILES
ROADWAY LENGTH	0.074 MILES
BRIDGE LENGTH	0.053 MILES
PROJECT LENGTH	0.127 MILES

SURVEY 03-24-20	TRAFFIC DATA	
UPDATE 09-22-25	ADT (2023)	21,840
	ADT (2043)	26,430
	DHV (2043)	2,643
	D	65 - 35
	T (ADT)	2 %
	T (DHV)	1 %
	V	30 MPH

COORDINATES ARE NAD/83(2011) (DATUM ADJUSTMENT) ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 USING GEOID G2012BU7, OBTAINED ON 03-24-20.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	1A
PIH	2025	94004-3234-04	1A
PS&E	2026	94004-3234-04	1A

ROADWAY INDEX

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HAUL ROAD CROSS SECTIONS	29-34
TRAFFIC CONTROL PLANS	T1 – T8
BRIDGE PLANS	B-1 – B-30
LIGHTING PLANS	L-1 – L-6
RETAINING WALL PLANS	R1
SWPPP PLANS	S1 – S8
UTLITY PLANS	U1-1 – U5-3

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

RD-TP-1	09-26-16	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

STANDARD ROADWAY DRAWINGS

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-LR-1		MINIMUM RUNOFF LENGTHS (LR) FOR URBAN HIGHWAY
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
RD18-TS-5	10-01-25	URBAN MINOR ARTERIAL (2-3 LANE)

10-102.00 PIPE CULVERTS AND ENDWALLS

D-PB-1	03-01-23	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PB-3	11-30-20	INDUCED TRENCH SOIL EMBANKMENT FOR PIPE CULVERT INSTALLATION
D-PEW-1		PROTECTED ENDWALLS FOR ROUND & OVAL PIPES (PIPE SIZES 18” TO 72”, ALL SKEWS, 2:1 & 3:1 SLOPES)
D-PEW-4		PROTECTED STRAIGHT ENDWALLS (PIPE SIZES 18” TO 30” & EQU. OVAL PIPES)

10-103.00 CATCH BASINS AND MANHOLES

D-RL-2		ROUND LID DETAILS FOR DOUBLE CURB AND WALL INLET
D-RS-1		PRECAST ROUND STRUCTURES (48” THRU 120”)
D-RS-2		PRECAST ROUND STRUCTURES REINFORCEMENT DETAILS
D-RS-3		MISCELLANEOUS DETAILS FO ROUND STRUCTURES

10-105.00 ROADWAY, PAVEMENT APPURTENANCES, AND FENCES

RP-D-16	04-01-25	DETAILS OF LOWERED STANDARD CONCRETE DRIVEWAYS
RP-SC-1	05-04-22	SLOPING CONCRETE CURB AND CURB AND GUTTER
RP-VC-10	03-04-21	VERTICAL CONCRETE CURB AND CURB AND GUTTER (FOR 8” TO 12” GUTTER DEPTH)
S-F-1	03-01-23	HIGH VISIBILITY FENCE

10-106.00 MULTIMODAL

MM-PM-2	07-30-24	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANE OR ROUTES
MM-PM-3	06-15-21	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES ON URBAN ROADWAYS
MM-PM-4		SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES
MM-PM-5	05-04-22	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES AT INTERSECTIONS
MM-BPR-3		BARRIER SLOPED END TREATMENT
MM-PS-1		DETAILS FOR PEDESTRIAN STEPS AND HANDRAILS
MM-SW-1	07-07-23	DETAILS FOR CONCRETE SIDEWALKS
MM-SW-2		ALTERNATE DETAILS FOR CONCRETE SIDEWALK (REHABILITATION)
MM-TS-1	06-15-21	BIKE ACCOMMODATION DESIGN GUIDANCE

10-107.00 SAFETY DESIGN AND GUARDRAILS

S-CZ-1	06-28-19	CLEAR ZONE CRITERIA
S-PL-1	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED
S-PL-1A	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED (FOR RIGID OBJECTS)
S-PL-3	03-01-23	SAFETY PLAN MINIMUM INSTALLATION AT BRIDGE ENDS
S-PL-6	07-30-24	SAFETY PLAN SAFETY HARDWARE PLACEMENT ON OUTSIDE EDGE
S-GR31-1	03-13-25	GUARDRAIL DETAILS
S-GR31-1A	06-28-19	GUARDRAIL AND BLOCK-OUT DETAILS
S-GR31-1B		GUARDRAIL FASTENING HARDWARE
S-GR31-1C	07-07-23	GUARDRAIL GENERAL NOTES AND POST DETAILS
S-GR31-1D	03-01-23	GUARDRAIL POST PLACEMENT IN ROCK
S-GRC-4	01-30-25	GUARDRAIL CONNECTION TO BRIDGE RAILING CONCRETE PARAPET
S-GRC-6	07-07-23	GUARDRAIL CONNECTION TO BRIDGE ENDS FOR LOW SPEED ROADWAYS
S-GRT-1B		LAYOUT OF FLARED GUARDRAIL (TL- 2)
S-GRT-2P	10-16-20	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINAL
S-GRT-3	06-28-19	TYPE 21 GUARDRAIL END TERMINAL
S-GR28-1M	06-15-21	W-BEAM & THRIE BEAM BARRIER RAIL AND RUB RAIL DETAILS
S-GR28-2M	06-28-19	GUARDRAIL HARDWARE DETAILS
S-GRC-1M		GUARDRAIL CONNECTION TO BRIDGE ENDS OR BARRIER WALL

10-109.00 EROSION PREVENTION AND SEDIMENT CONTROL

EC-STR-2	08-01-12	SEDIMENT FILTER BAG
EC-STR-3C	03-01-23	SILT FENCE WITH WIRE BACKING
EC-STR-3E	04-01-08	SILT FENCE FABRIC JOINING DETAILS
EC-STR-27	08-01-12	TEMPORARY SLOPE DRAIN AND BERM
EC-STR-37	06-10-14	SEDIMENT TUBE
EC-STR-6A	05-06-16	ENHANCED ROCK CHECK DAM
EC-STR-19	04-01-08	CATCH BASIN PROTECTION
EC-STR-39A	08-01-12	CURB INLET PROTECTION TYPE 3 & 4
EC-STR-47		CATCH BASIN FILTER ASSEMBLY (TYPE 7)
EC-STR-47A		CATCH BASIN FILTER ASSEMBLY (TYPE 7) SLIPCOVER DETAILS
EC-STR-25	08-01-12	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
EC-STR-30		INSTREAM DIVERSION (WITHOUT TRAFFIC)
EC-STR-30A		INSTREAM DIVERSION (WITH TRAFFIC)
EC-STR-31	05-04-22	TEMPORARY DIVERSION CHANNEL
EC-STR-31A	04-01-08	TEMPORARY DIVERSION CHANNEL DESIGN

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AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 126965
STATE OF TENNESSEE

4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	NA
PIH	2025	94004-3234-04	1A1
PS&E	2026	94004-3234-04	1A1

STANDARD TRAFFIC DESIGN DRAWINGS

DWG.	REV.	DESCRIPTION
10-200.00	**SIGN**	
T-S-9	07-30-25	STANDARD LAYOUT - GROUND MOUNTED SIGNS
T-S-10	07-30-25	STANDARD MOUNTING DETAILS FLAT SHEET SIGNS,
T-S-12	07-30-25	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, SQUARE TUBES
T-S-16	07-30-25	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-16A	07-02-15	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-17	07-30-25	STANDARD GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-20	07-30-25	SIGN DETAILS
T-S-21	07-30-25	DETAILS FOR SIGNS MOUNTS ON CONCRETE MEDIAN BARRIERS
10-201.00	**SIGNALS**	
T-SG-10	09-12-23	MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILS
T-SG-13	06-27-16	FLASHING BEACON DETAIL
10-204.00	**DESIGN - TRAFFIC CONTROL**	
T-M-1	01-24-25	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	01-24-25	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	01-24-25	MARKING STANDARDS FOR TRAFFIC ISLANDS, PAVED SHOULDERS AND MEDIANS FOR CONVENTIONAL ROADS
T-M-4	01-24-25	STANDARD INTERSECTION PAVEMENT MARKINGS
T-WZ-10	03-26-25	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-16	03-26-25	LANE SHIFT FOR DIVIDED HIGHWAYS AND FREEWAYS
T-WZ-30	03-26-25	TRAFFIC CONTROL 2-LANE, 2-WAY DIVERSION (40 MPH OR LESS)
T-WZ-55	03-26-25	SIDEWALK TRAFFIC CONTROL
T-WZ-FAB1	03-26-25	FLASHING YELLOW ARROW BOARD
T-WZ-PBR1	03-26-25	INTERCONNECTED PORTABLE BARRIER RAIL
T-WZ-PBR2	03-26-25	DETAILS FOR WORK ZONE CHANNELIZATION DEVICES
T-WZ-PCB1	03-26-25	10 FOOT PORTABLE CONCRETE BARRIER RAIL
T-WZ-PCB2	03-26-25	20 FOOT PORTABLE CONCRETE BARRIER RAIL
T-WZ-PCB2A	03-26-25	20 FOOT PORTABLE CONCRETE BARRIER RAIL STIFFENER TUBE
T-WZ-PCB3	03-26-25	PORTABLE CONCRETE BARRIER RAIL DETAILS

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AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 140895
STATE OF TENNESSEE

4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD
TRAFFIC DESIGN
DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	1B
PIH	2025	94004-3234-04	1B
PS&E	2026	94004-3234-04	1B

PROJECT COMMITMENTS

COMMITMENT ID	SOURCE DIVISON	DESCRIPTION	STA. / LOCATION
EDHZ001	ENVIRONMENTAL DIVISION, HAZARDOUS MATERIALS	An Asbestos Containing Material (ACM) survey was completed on Bridge No. 94SR0060013, SR-6 over Harpeth River, LM 12.51 (94-SR066-12.51). The bridge has asbestos in approximately 3220 linear feet of utility piping, at 35% chrysotile. Please see the report for further details and photographs.	
EDHZ002	ENVIRONMENTAL DIVISION, HAZARDOUS MATERIALS	The State of Tennessee asbestos accreditation requirements (TDEC Rules Chapter 1200-01-20) mandates that ACM abatement work be performed by an accredited firm (contractor) using accredited abatement workers and supervisors. Abatement of this material should be accomplished per SP202ACM Special Provision Regarding Removal of Asbestos-Containing Materials. ACM abatement should be completed prior to any demolition activities if possible. Prior to the demolition or rehabilitation of any structure (bridge or building), the contractor is required to submit the National Emission Standards for Hazardous Air Pollutants standard 10-day notice of demolition to the TDEC Division of Air Pollution Control (per TDOT Standard Specifications for Road and Bridge Construction (January 1, 2015) Sections 107.08 D and 202.03).	
ETR3001	ENVIRONMENTAL TECH OFFICE, REGION 3	Due to the presence of the state Deemed-In-Need-of-Management species Smallscale Darter (Etheostoma microlepidum), a fish sweep will be conducted immediately prior to in-stream work. The contractor shall contact the Region 3 Environmental Tech Group, at least 14 days prior to in-stream work to coordinate the fish sweep: 615-335-8783, R3.EnvTechOffice@tn.gov, 6601 Centennial Blvd Bldg A 2nd Flr Nashville, TN 37243.	
ETR3002	ENVIRONMENTAL TECH OFFICE, REGION 3	Haul road(s) shall not extend beyond one-third the stream width to avoid obstructing flow.	
ETR3003	ENVIRONMENTAL TECH OFFICE, REGION 3	TDOT commits to no tree clearing beyond 100 feet from the existing edge of pavement.	
EDHS001	ENVIRONMENTAL DIVISION, HISTORIC	The stone wall along the west side of SR-6 is a contributing feature of the National Register listed Mayberry House (Tract 6). The stone wall should not be removed or altered by project related activities. If needed, temporary protective measures may be put in place to protect the wall's integrity and historic matierals. Temproary protection measures will remain in place for the duration of construction in this area and will be removed upon completion of utility installation, with no alteration to the wall's appearance, materials, or structural integrity.	5+50

SEALED BY

AUSTIN BIGGS REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 126995 STATE OF TENNESSEE

4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROJECT COMMITMENTS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	2
PIH	2025	94004-3234-04	2
PS&E	2026	94004-3234-04	2

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	94004-3234-04 QUANTITY	CITY OF FRANKLIN QUANTITY	TOTAL QUANTITY
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1		1
	201-01	CLEARING AND GRUBBING	LS	1		1
(7)	202-02.21	REMOVAL OF PIPE (18 INCH)	L.F.	69		69
(31)	202-03	REMOVAL OF RIGID PAVEMENT, SIDEWALK, ETC.	S.Y.	328		328
(33)	202-03.02	REMOVAL OF RIGID PAVEMENT	C.Y.	104		104
(7)	202-04.02	REMOVAL OF STRUCTURES (EXISTING ENDWALLS STA. 106+24.62)	LS	1		1
(7)	202-04.03	REMOVAL OF STRUCTURES (EXISTING ENDWALLS STA. 106+29.79)	LS	1		1
(7)	202-04.04	REMOVAL OF STRUCTURES (EXISTING CATCH BASINS)	LS	1		1
(27)	202-04.05	REMOVAL OF STRUCTURES (EXISTING RETAINING WALLS)	LS	1		1
	202-08.15	REMOVAL OF CURB AND GUTTER	L.F.	269		269
(1)(24)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	773		773
	203-03	BORROW EXCAVATION (UNCLASSIFIED)	C.Y.	1059		1059
	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	174		174
	203-06	WATER	M.G.	2		2
	203-20.01	CHANNEL SUBSTRATE	C.Y.	383		383
(17)	203-50	CONSTRUCTION OF HAUL ROAD	LS	1		1
(5)	209-05	SEDIMENT REMOVAL	C.Y.	28		28
(5) (6)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	2313		2313
(5) (6)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	5		5
(5) (6)	209-09.04	SEDIMENT FILTER BAG (15' X 10')	EACH	3		3
(5) (6)	209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	15		15
(5) (6)	209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.	1226		1226
(5) (6)	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	3		3
(5) (6)	209-40.47	CATCH BASIN FILTER ASSEMBLY(TYPE 7)	EACH	3		3
(5) (6) (14)	209-65.03	TEMPORARY DIVERSION CHANNEL	L.F.	315		315
(5) (6)	209-65.04	TEMPORARY IN STREAM DIVERSION	L.F.	509		509
(21)	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	442		442
(2) (5) (6)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	975		975
(21)	307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	56		56
(21)	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	37		37
(21)	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	3		3
(5) (21)	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	2		2
(21)	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	1		1
	407-20.05	SAW CUTTING ASPHALT PAVEMENT	L.F.	179		179
(21)	411-02.10	ACS MIX (PG70-22) GRADING D	TON	125		125
(21)	415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	102		102
	604-07.01	RETAINING WALL (R1, S.R. 6 STA. 103+52.45 - STA. 103+54.04)	S.F.	10		10
(20)	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	45		45
(20) (32)	607-09.02	48" CONCRETE PIPE CULVERT (CLASS III)	L.F.	69		69
	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	8		8
	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	L.B.	273		273
(15)	611-09.01	ADJUSTMENT OF EXISTING CATCH BASIN	EACH	1		1
(16)	611-09.04	CATCH BASIN RETROFIT	EACH	1		1
	611-60.40	CATCH BASINS, 96IN ROUND, 4' - 8' DEPTH	EACH	2		2
(35)	621-05.03	TEMPORARY SHORING	LS	1		1
	701-01.01	CONCRETE SIDEWALK (4")	S.F.	1459		1459
	702-03	CONCRETE COMBINED CURB & GUTTER	C.Y.	17		17
	705-06.01	W BEAM GR (TYPE 2) MASH TL-3	L.F.	69		69
	705-06.25	THRIE BEAM BRIDGE TRANSITION MASH TL-3	EACH	1		1
	705-06.30	GR TERMINAL (ENERGY ABSORBING) MASH TL-2	EACH	1		1
	707-06.01	REMOVAL OF FENCE (WOOD FENCE)	L.F.	433		433
	707-08.01	FENCE (WOOD)	L.F.	433		433
(5) (6)	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	708		708
(34)	707-11.01	PEDESTRIAN CONSTRUCTION BARRIER FENCE	L.F.	123		123
(3) (5) (6)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	150		150
(5) (6) (8)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	846		846
	709-05.08	MACHINED RIP-RAP (CLASS B)	TON	2505		2505
	709-05.09	MACHINED RIP-RAP (CLASS C)	TON	190		190
	711-05.82	32IN HALF SIZE SINGLE SLOPE CONC BARRIER SLOPED END TREATMNT	L.F.		75	75
	712-01	TRAFFIC CONTROL	LS	1		1
	712-02.10	PORTABLE BARRIER RAIL (MASH TL-3)	L.F.	652		652

SEE SHEET 2-1 FOR FOOTNOTES

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	94004-3234-04 QUANTITY	CITY OF FRANKLIN QUANTITY	TOTAL QUANTITY
	712-02.12	PORTABLE BARRIER RAIL, REDUCED DELFECTION (MASH TL-3)	L.F.	324		324
(18)	712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH	4		4
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	78		78
	712-04.50	BARRIER RAIL DELINEATOR	EACH	33		33
(5)	712-05.01	WARNING LIGHTS (TYPE A)	EACH	23		23
(9)	712-06	SIGNS (CONSTRUCTION)	S.F.	634		634
	712-07.02	TEMPORARY BARRICADES (TYPE II)	L.F.	40		40
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	40		40
	713-11.05	SQUARE TUBE SIGN SUPPORT	LB.	268		268
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	48		48
(13)	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1		1
(5)	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	4		4
(36)	714-08.34	REMOVAL OF LIGHT STANDARD	EACH	3		3
(19)	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	44		44
(19)	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	49		49
(19)	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	5		5
(19)	716-03.01	PLASTIC WORD PAVEMENT MARKING (ONLY)	EACH	4		4
(19)	716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	1		1
(11)	716-05.49	PAINTED PAVEMENT MARKINGS (8" LINE)	L.M.	1.9		1.9
(11) (12)	716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	14090		14090
	716-08.04	REMOVAL OF PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y.	88		88
	716-08.05	REMOVAL OF PAVEMENT MARKING (STOP LINE)	L.F.	52		52
	716-08.06	REMOVAL OF PAVEMENT MARKING (TURN LANE ARROW)	EACH	4		4
	716-08.11	REMOVAL OF WORD PAVEMENT MARKING (ONLY)	EACH	4		4
(28)	716-09.86	CONTRAST PAVEMENT MARKING 6"	L.M.	0.2		0.2
(25)	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	0.7		0.7
	716-12.06	ENHANCED FLAT LINE THERMO (8IN LINE)	L.F.	491		491
	717-01	MOBILIZATION	LS	1		1
(30)	730-05.04	MODIFY EXISTING ELECTRICAL SERVICE CONNECTION	EACH	1		1
(23)	740-07.04	GEOGRID REINFORCEMENT TYPE 2	S.Y.	533		533
(4) (5) (6)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	1668		1668
(23)	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	571		571
(5) (6)	740-11.03	TEMPORARY SEDIMENT TUBE 18IN	L.F.	457		457
(5) (6)	801-01	SEEDING (WITH MULCH)	UNIT	31		31
(5) (6)	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	40		40
(29)	801-01.35	GRASS SEED MIX (RIPZN/FLPL) W/MULCH	UNIT	15		15
(10)	801-01.38	NATVE SEED MX FINAL STABLIZATN OF SLOPES	UNIT	5		5
(5) (6) (26)	801-02	SEEDING (WITHOUT MULCH)	UNIT	1		1
(5) (6)	801-03	WATER (SEEDING & SODDING)	M.G.	17		17
	802-12.01	ACER NEGUNDO (BOX EDLER SEEDLNG B.R.)	EACH	16		16
	802-12.02	ACER RUBRUM (RED MAPLE SEEDLNG B.R.)	EACH	17		17
	802-12.26	PLATANUS OCCIDENTALIS (SYCAMORE SEEDLNG B.R.)	EACH	17		17
	802-16.01	SALIX NIGRA (BLACK WILLOW 3FT LIVE STAKES)	EACH	100		100
(5) (6)	803-01	SODDING (NEW SOD)	S.Y.	286		286
(22)	806-02.03	PROJECT MOWING	CYCL	4		4

SEE SHEET 2-1 FOR FOOTNOTES

SEALED BY

AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE COMMERCE
No. 126995
STATE OF TENNESSEE

4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	2-1
PIH	2025	94004-3234-04	2-1
PS&E	2026	94004-3234-04	2-1

FOOTNOTES:

(1) ITEM INLCUDES 659 C.Y. FOR GENERAL EXCAVATION AND 114 C.Y. FOR EPSC

(2) ITEM INCLUDES 13 TONS FOR SEDIMENT FILTER BAGS, 100 TONS FOR TRAFFIC CONTROL AND 862 TONS FOR PAVEMENT AT BRIDGE ENDS.

(3) ITEM INCLUDES 150 TONS FOR TEMP. CONSTRUCTION EXITS

(4) ITEM INCLUDES 100 S.Y. FOR SEDIMENT FILTER BAG, 1310 S.Y. TEMP. DIVERSION DITCH, AND 258 TEMP CONST. EXITS.

(5) TO BE USED AS DIRECTED BY THE ENGINEER

(6) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT

(7) SEE TABULATED QUANTITIES FOR LOCATIONS AND DETAILS

(8) ITEM TO BE USED FOR TEMPORARY DIVERSION DITCH DURING CONSTRUCTION.

(9) SEE SHEET T2 FOR SIGN SCHEDULE, ADDITIONAL SIGNS AS DIRECTED BY THE ENGINEER SHALL BE PAID FOR AT THE UNIT COST OF THIS ITEM.

(10) 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 NATIVES 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.

(11) QUANTITY ESTIMATED ASSUMING APPLICATION RATES OF 2 PER PHASE 1, 2 PER PHASE 2 OF TRAFFIC CONTROL.

(12) ITEM INCLUDES 3798 L.F. FOR REMOVAL OF EXISTING PAVEMENT MARKINGS, AND 10292 L.F. FOR REMOVAL OF TEMPORARY PAVEMENT MARKINGS.

(13) INCLUDES REMOVAL OF 8 EXISTING SIGNS AND 1 EXISTING CANTILEVER SIGN.

(14) DIVERSION DITCH IS TO BE CONSTRUCTED WITH 2:1 SIDE SLOPE 2' OF DEPTH AND A 2' WIDE FLAT BOTTOM AND TO BE LINED WITH GEOTEXTILE FABRIC.

(15) ITEM TO INCLUDE GRATE ADJUSTMENT FOR CB-3.

(16) ITEM TO INCLUDE RETROFIT FOR THE AREA DRAIN THE PROPOSED 48" PIPE REPLACEMENT IS OUTLETING FROM.

(17) ITEM NUMBER 203-50 SHALL INCLUDE GEOTEXTILE (TYPE IV), MACHINED RIP-RAP(CLASS A-1, CLASS B, OR CLASS C), MINERAL AGGREGATE (SIZE 57), AND TEMPORARY DRAINAGE PIPE. THE MINERAL AGGREGATE INCLUDES AN ADDITIONAL TEN (10) PERCENT FOR MAINTENANCE. ITEM TO INCLUDE REMOVAL OF HAUL ROAD, SEE SHEET 2B2 FOR REMOVAL AND RESTORATION DETAILS.

(18) THIS ITEM SHALL BE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIREMENTS OF AASHTO MASH FOR TEST LEVEL 3. THE PAY ITEM WILL INCLUDE FURNISHING AND INSTALLING ALL COMPONENTS AS SHOWN ON THE MANUFACTURER'S DRAWING.

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

(20) BEDDING MATERIAL SHALL BE INCLUDED IN THE COST OF PIPE.

(21) SEE SHEET 2F1 FOR DETAILED BREAKDOWN OF PAVING QUANTITIES.

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

(23) ITEM TO BE USED FOR PAVEMENT AT BRIDGE ENDS.

(24) INCLUDES THE COST OF GUARDRAIL TERMINAL EARTH PADS.

(25) CONTRACTOR SHALL USE THE EXTRUDED OR RIBBON METHOD FOR APPLICATION.

(26) THE COST OF FERTILIZER AND LIME USED IN INITIAL SEED BED PREPARATION IS TO BE INCLUDED IN THE COST OF SEEDING. SEE SECTION 801 OF TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

(27) 45' OF EXISTING TIMBER RAIL RETAINING WALL TO BE REMOVED FOR PIPE INSTALLATION.

(28) ITEM TO BE USED FOR PAVEMENT ON CONCRETE SURFACES.

(29) ITEM TO BE USED FOR STREAM BUFFER ZONE.

(30) ELECTRICAL CONNECTION FOR EXISTING SCHOOL ZONE SIGNAL MAST ARM WILL NEED TO BE RELOCATED.

(31) ITEM INLCUDES 328 CY OF SIDEWALK REMOVAL.

(32) ITEM INCLUDES THE EXCAVATION REQUIRED FOR PIPE INSTALLATION.

(33) ITEM INLCUDES 104 CY OF CONCRETE REMOVAL OF PATIO ON TRACT 4. PATIO TO BE REMOVED ONLY WITHIN THE LIMITS OF THE DRAINAGE EASEMENT.

(34) ITEM TO BE USED FOR FALL PROTECTION DURING CONSTRUCTION OF 48" STORM SEWER ON THE CONCRETE PATIO OF TRACT 4. BARRIER TO MATCH OPTIONS GIVEN ON STD. DWG. T-WZ-55. THE USE OF HIGH VISIBILITY FENCE IS PROHIBITED IN THIS AREA. FENCE SHALL BE NO TALLER THAN 48 INCHES.

(35) ITEM TO BE USED FOR THE CONSTRUCTION OF THE 48" STORM SEWER WINGWALL & PIPE.

FOOTNOTES:

(36) INCLUDES THE COST TO REMOVE EXISTING LIGHT FIXTURE, POLE, AND WIRING WITHIN THE POLE. EXISTING FOUNDATIONS TO BE REMOVED A MINIMUM OF SIX INCHES BELOW GRADE. LIGHT FIXTURES, POLES, AND ASSOCIATED LIGHTING EQUIPMENT SHALL BE SALVAGED AND RETURNED TO THE CITY OF FRANKLIN. CONTRACTOR TO CONTACT PAUL HOLZEN (615-550-6679) TEN (10) DAYS PRIOR TO REMOVAL TO COORDINATE TRANSFER OF SALVAGED MATERIALS.

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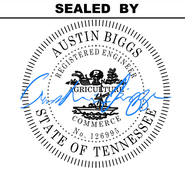

4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES

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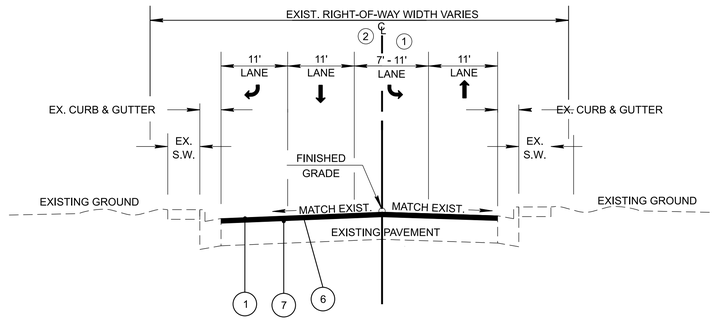
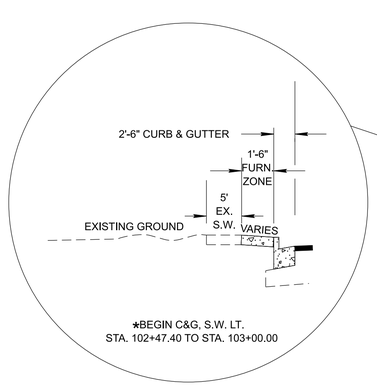
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	2B
PIH	2025	94004-3234-04	2B
PS&E	2026	94004-3234-04	2B



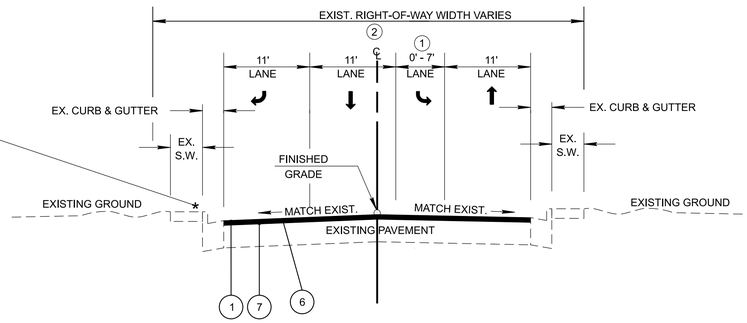
TANGENT SECTION
S.R. 6

(BASED ON STD. DWG. RD18-TS-5)
FROM STA. 101+25.00 - 101+76.93

1. LANE VARIES FROM 11' AT STA. 101+45.99 TO 0' AT STA. 102+68.62.
2. SEE SHEET 11 FOR PAVEMENT STRIPING DETAILS



★BEGIN C&G, S.W. LT.
STA. 102+47.40 TO STA. 103+00.00



TANGENT SECTION
S.R. 6

(BASED ON STD. DWG. RD18-TS-5)
FROM STA. 101+76.93 - 103+00.00

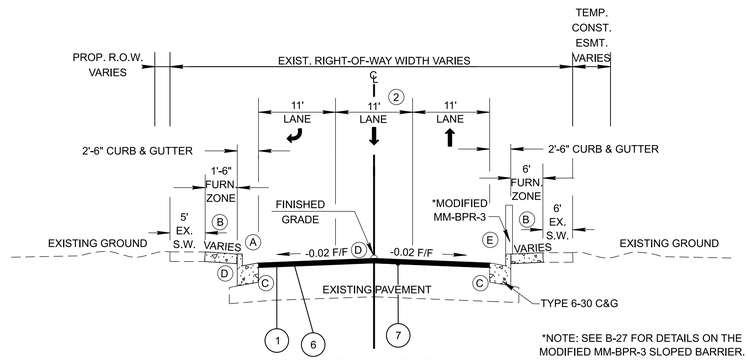
Ⓐ LOWERED CONCRETE DRIVE FROM STA. 102+47.40 - STA. 103+10.00 LT. CURB HEIGHT WILL TRANSITION FROM STA. 103+10.00 - STA. 103+37.58 LT TO FULL 6 INCHES.

Ⓑ TIE TO EXISTING SIDEWALK USING FURNISHING ZONES TO ROTATE FROM CURB TO EXISTING SIDEWALK.

Ⓒ SAWCUT EXISTING PAVEMENT TO PLACE PROPOSED CURB & GUTTER

Ⓓ PROPOSED SIDEWALK CONSTRUCTION & CURB AND GUTTER STARTS FROM STA. 102+47.40 LT. - STA. 103+00.00 LT.

Ⓔ MODIFIED MM-BPR-3 (SEE B-26 & B-27 FOR DETAILS) TO BE USED TO TRANSITION INTO BARRIER STA.103+12.58 RT. TO STA.103+37.58 RT.



*NOTE: SEE B-27 FOR DETAILS ON THE MODIFIED MM-BPR-3 SLOPED BARRIER.

TANGENT SECTION
S.R. 6

(BASED ON STD. DWG. RD18-TS-5)
FROM STA. 103+00.00 TO STA. 103+37.58

SEALED BY

AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 126995
STATE OF TENNESSEE

4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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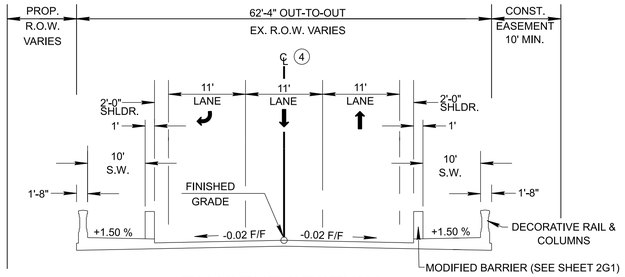
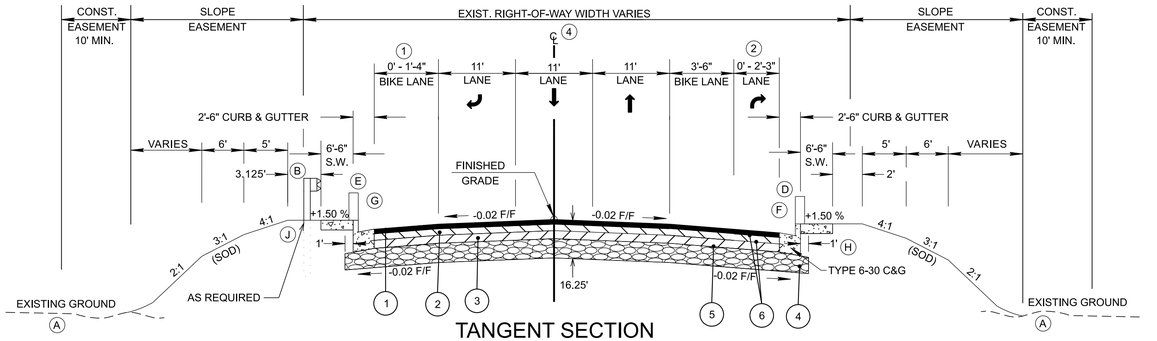
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	2B1
PIH	2025	94004-3234-04	2B1
PS&E	2026	94004-3234-04	2B1



TANGENT SECTION
S.R. 6 BRIDGE OVER HARPETH RIVER

(BASED ON STD. DWG. RD18-TS-5)
FROM STA. 103+37.58 TO STA. 106+17.58

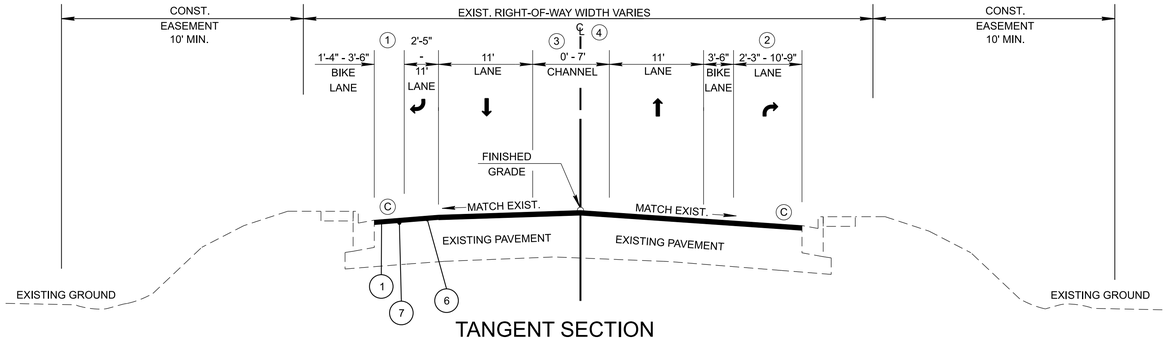
P.A.B.E.
(BASED ON STD-1-5 AND STD-10-2)
STA. 103+13.58 TO STA. 103+37.58
STA. 106+17.58 TO STA. 106+41.58



TANGENT SECTION
S.R. 6

(BASED ON STD. DWG. RD18-TS-5)
FROM STA. 106+41.58 TO STA. 106+75.00

1. BIKE LANE VAIRES FROM 0' AT STA. 106+45.56 TO 3'-6" AT STA. 108+00.00
2. LANE VARIES FROM 0' AT STA. 106+52.62 TO 10-9"' AT STA. 108+00.00.
3. CHANNEL VARIES FROM 0' AT STA. 106+42.54 TO 11' AT STA. 108+00.00.
4. SEE SHEET 11 FOR PAVEMENT STRIPING DETAILS



TANGENT SECTION
S.R. 6

(BASED ON STD. DWG. RD18-TS-5)
FROM STA. 106+75.00 TO STA. 108+00.00

(A) SEE STANDARD DRAWINGS RD11-S-11 AND RD11-S-11B FOR FILL AND CUT SLOPE TABLES, ROUNDING ON TOP OF CUT SLOPES AND TOE OF FILL SLOPES, SPECIAL ROCK TREATMENT AND SUB GRADE ROUNDING IF APPLICABLE.

(B) SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.

(C) SAWCUT EXISTING PAVEMENT TO PLACE PROPOSED CURB AND GUTTER

(D) MODIFIED MM-BPR-3 (SEE B-26 & B-27 FOR DETAILS) TO BE USED TO TRANSITION OUT OF BARRIER STA.106+41.58 RT. TO STA.106+ RT.

(E) MODIFIED MM-BPR-3 (SEE B-26 & B-27 FOR DETAILS) TO BE USED TO TRANSITION OUT OF BARRIER STA.106+41.58 LT. TO STA.106+66.58 LT.

(F) MODIFIED BARRIER (SEE SHEET B-26 & B-27 FOR DETAILS) STA. 103+37.58 RT. TO 106+41.58 RT.

(G) MODIFIED BARRIER (SEE SHEET B-26 & B-27 FOR DETAILS) STA. 103+37.58 LT. TO 106+41.58 LT.

(H) PROPOSED CURB & GUTTER, SIDEWALK CONSTRUCTION AND SIDE SLOPE GRADING CONTINUES FROM STA. 106+75.00 RT. - STA. 107+40.00 RT.

(J) PROPOSED CURB & GUTTER, SIDEWALK CONSTRUCTION AND SIDE SLOPE GRADING CONTINUES FROM STA. 106+75.00 LT. - STA. 107+39.46 LT.

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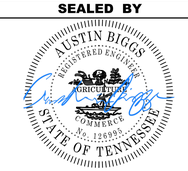

4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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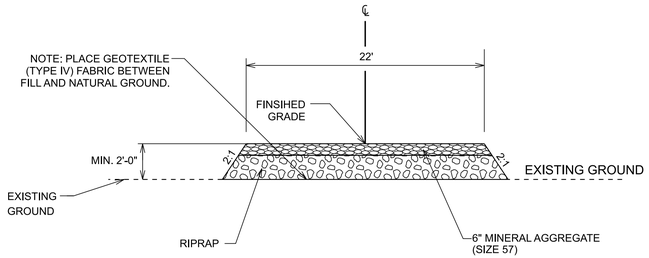
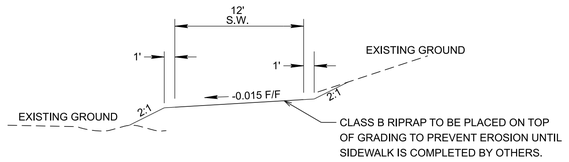
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	2B2
PIH	2025	94004-3234-04	2B2
PS&E	2026	94004-3234-04	2B2

* NOTE: IF CONSTRUCTION IN AREAS THAT ARE EITHER DRY OR UNSATURATED, HAUL ROAD SHALL BE CONSTRUCTED OF BORROW EXCAVATION (GRADED SOLID ROCK). IF CONSTRUCTED IN WATER OR IN AN AREA WITHIN THE FLOODPLAIN IN THE CASE OF A 5 YEAR STORM EVENT, ONE OF THE FOLLOWING MATERIALS SHALL BE USED IN LIEU OF BORROW EXCAVATION (GRADED SOLID ROCK):

- MACHINED RIP-RAP(CLASS A-1)
- MACHINED RIP-RAP(CLASS B)
- MACHINED RIP-RAP(CLASS C)

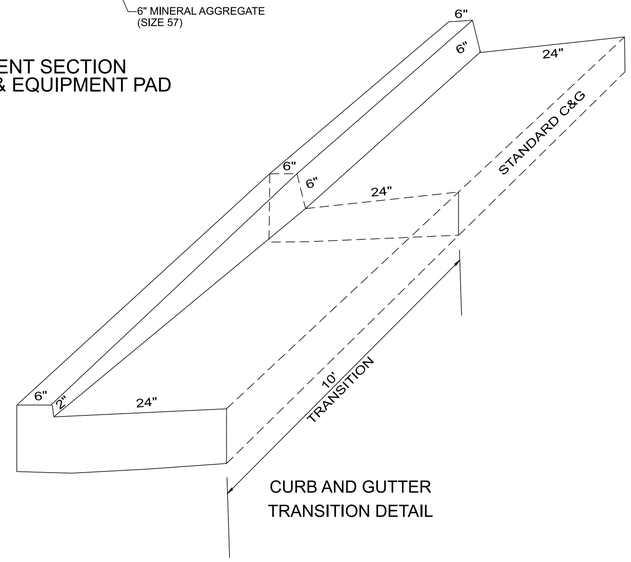


TANGENT SECTION
HAUL RD. & EQUIPMENT PAD



SIDEWALK GRADING SEGMENT
UNDER BRIDGE

GRADED UNDER THE BRIDGE FOR THE OUT-OUT WIDTH
CENTERLINE @ STA. 105+45.00



CURB AND GUTTER
TRANSITION DETAIL

NOTES:

1) HAUL ROAD/CROSSING AND LOCATION(S) MAY BE REVISED BY THE CONTRACTOR IF APPROVED BY THE ENGINEER. ANY CHANGES TO THE HAUL ROAD AS SHOWN SHALL STAY WITHIN THE PROVIDED CONSTRUCTION EASEMENT.
2) ALL HAUL ROAD MATERIAL TO BE COMPLETELY REMOVED AFTER WORK IS COMPLETED.
3) FOLLOWING CONSTRUCTION, THE CONTRACTOR SHALL RESTORE THE PRE-CONSTRUCTION ELEVATION IN THE PROJECT VICINITY, EXCLUDING AREAS WITHIN PROP. S.R. 6 SLOPES. NATIVE MATERIAL REMOVED FROM THE SITE SHALL BE USED TO RESTORE THE PRE-CONSTRUCTION ELEVATION.

PROPOSED PAVEMENT SCHEDULE

(1) ASPHALTIC CONCRETE SURFACE (HOT MIX) PG70-22 GRADING "D" SURFACE @ 1.25" THICK (APPROX. 132.5 LB./S.Y.) 411-02.10 ACS MIX (PG70-22) GRADING "D"	(2) BITUMINOUS PLANT MIX BASE (HOT MIX) PG70-22 GRADING "B-M2" @ 2.00" THICK (APPROX. 226 LB./S.Y.) 307-02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "B-M2"
(3) BITUMINOUS PLANT MIX BASE (HOT MIX) PG70-22 GRADING "A" @ 3.00" THICK (APPROX. 318 LB./S.Y.) 307-02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "A"	(4) MINERAL AGGREGATE BASE 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D" 10" THICK (ROADWAY), 4" THICK (DRIVEWAYS)
(5) PRIME COAT 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) AT 0.30-0.35 GALLONS/S.Y. 402-02 AGGREGATE FOR COVER MATERIAL (PC) AT 8-12 LB./S.Y.	(6) TACK COAT SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD. 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)
(7) COLD PLANING (APPROX. 131.25 LBS/S.Y.) 415-01.01 COLD PLANING BITUMINOUS PAVEMENT 1.25"	

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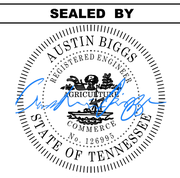

4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
AND PAVEMENT SCHEDULE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	NA
PIH	2025	94004-3234-04	NA
PS&E	2026	94004-3234-04	2C

GENERAL NOTES

GRADING

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

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

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

SEEDING AND SODDING

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

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

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

DRAINAGE

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

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

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

MISCELLANEOUS

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

(2) THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MAILBOXES AND POSTS WHERE AND AS DIRECTED BY THE ENGINEER. COST TO BE INCLUDED IN PRICE BID FOR OTHER CONSTRUCTION ITEMS.

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

PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS

(5) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.49, PAINTED PAVEMENT MARKING (8" LINE), L.M.

FINAL PAVEMENT MARKING

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

DETOURS, LANE SHIFTS AND MEDIAN CROSS-OVERS

(16) THE PAVEMENT MARKING ON THE LANE SHIFT FOR CENTERLINE, EDGELINES, AND LANE LINES WILL BE INSTALLED AND MAINTAINED TO THE SAME STANDARDS AS FOR PERMANENT MARKINGS ON THE MAIN ROADWAY. THESE MARKINGS SHALL BE IN PLACE PRIOR TO ALLOWING TRAFFIC ONTO THE PAVEMENT. THESE PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.49 PAINTED PAVEMENT MARKING (8" LINE), L.M.

(17) BEFORE OPENING THE LANE SHIFT TO TRAFFIC, THE TRANSITIONAL MARKINGS ON THE EXISTING ROADWAY MUST BE IN PLACE. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.49 PAINTED PAVEMENT MARKING (8" LINE), L.M. ALL EXISTING MARKINGS IN THE AREA OF THESE TRANSITIONAL MARKINGS SHALL BE OBLITERATED AND ALL EXISTING RAISED PAVEMENT MARKERS SHALL BE REMOVED TO ELIMINATE CONFLICTING MARKINGS. REMOVAL OF THE EXISTING CONFLICTING MARKINGS AND RAISED PAVEMENT MARKERS WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN ITEM NO. 712-01, TRAFFIC CONTROL, LUMP SUM.

PAVEMENT

PAVING

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

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

RESURFACING

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

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

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

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

SIGNING

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

(2) FOR ALL PERMANENT PANEL SIGNS WITH A SILVER-WHITE, YELLOW, RED, GREEN, BROWN, OR BLUE BACKGROUND, PROVIDE REFLECTIVE SHEETING THAT MEETS OR EXCEEDS AASHTO M268, TYPE D.

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

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

(7) ALL SIGNS MARKED "TO BE REMOVED" ARE TO BE REMOVED BY THE CONTRACTOR AND PAID FOR UNDER ITEM NO. 713-15 AND BECOME THE PROPERTY OF THE CONTRACTOR.

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

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

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

(12) ALL SIGNS WHICH INTERFERE WITH CONSTRUCTION WILL BE RELOCATED OUTSIDE LIMITS OF CONSTRUCTION BY THE CONTRACTOR. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR WILL RESTORE THE SIGNS TO ORIGINAL LOCATION. THE CONTRACTOR SHALL CHECK WITH THE REGIONAL TRAFFIC ENGINEER PRIOR TO MOVING ANY PERMANENT SIGNS.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

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

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

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

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

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

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

(9) THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING CONSTRUCTION SIGNS. THE COST OF THIS WORK SHALL BE INCLUDED IN ITEM NO. 712-06, SIGNS (CONSTRUCTION), S.F.

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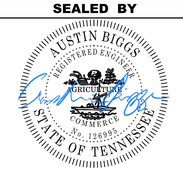

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	NA
PIH	2025	94004-3234-04	2D
PS&E	2026	94004-3234-04	2D

SPECIAL NOTES

GRADING

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

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

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

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

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

DEMOLITION

DEMOLITION, REPAIR, OR REHABILITATION OF BRIDGES

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

(2) ASBESTOS-CONTAINING MATERIALS (ACM) ABATEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE COMPLETED PRIOR TO ANY DEMOLITION, REPAIR OR REHABILITATION OF BRIDGE(S). ABATEMENT SHOULD BE ACCOMPLISHED PER SP202ACM SPECIAL PROVISION REGARDING REMOVAL OF ASBESTOS-CONTAINING MATERIALS. STATE OF TENNESSEE ASBESTOS ACCREDITATION REQUIREMENTS (TCA 1200-01-20) MANDATE THAT ACM ABATEMENT WORK BE PERFORMED BY AN ACCREDITED FIRM (CONTRACTOR) USING ACCREDITED ABATEMENT WORKERS AND SUPERVISORS.

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

RETAINING WALLS

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

TRAFFIC CONTROL

(1) CONTRACTOR TO MINIMIZE DISRUPTION TO THE BUSINESS AT TRACT 4. SEE SP108B FOR MORE INFORMATION.

SPECIAL PROJECT NOTES:

LIBERTY CREEK UTILITY EASEMENT ACCESS

(1) ACCESS TO THE UTLITY EASEMENT ON THE EAST SIDE OF LIBERTY CREEK SHALL BE PROVIDED VIA THE CITY OF FRANKLIN-OWNED LOT AT 131 DANIELS DR. CONSTRUCTION TRAFFIC AND HEAVY VEHICLE TRAFFIC SHALL BE LIMITED TO ONLY WHAT IS NECESSARY TO INSTALL THE SANITARY LINE.

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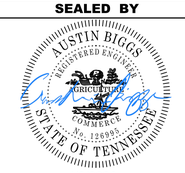

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL
NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	2E
PIH	2025	94004-3234-04	2E
PS&E	2026	94004-3234-04	2E

ENVIRONMENTAL NOTES

ENVIRONMENTAL GENERAL NOTES

NATURAL RESOURCES

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

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

(3) INSTREAM EPSC DEVICES REQUIRE THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION REVIEW AND MUST BE PROCESSED BY THE PERMITS SECTION TO OBTAIN WATER QUALITY PERMITS.

(4) THE OPERATION OF EQUIPMENT IN WATERS OF THE STATE/U.S., INCLUDING WETLANDS AND EPHEMERAL, INTERMITTENT, AND PERENNIAL STREAMS, IS NOT ALLOWED.

(5) THE WIDTH OF THE FILL ASSOCIATED WITH TEMPORARY CROSSINGS SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR THE ACTUAL CROSSING, NOT TO EXCEED THE WIDTH SPECIFIED IN THE STANDARD DRAWING.

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

(7) HEAVY EQUIPMENT WORKING IN WETLANDS WITH PERMITTED TEMPORARY IMPACTS SHALL BE PLACED ON MATS, OR OTHER MEASURES MUST BE TAKEN TO MINIMIZE SOIL DISTURBANCE AND COMPACTION UNLESS SPECIFICALLY ADDRESSED IN THE CONSTRUCTION PLANS. ANY MATS AND OTHER MEASURES USED FOR HEAVY EQUIPMENT SHALL BE REMOVED IN THEIR ENTIRETY AFTER THE WORK IS COMPLETED. ALL AFFECTED AREAS SHOULD BE RETURNED TO PRE-EXISTING CONDITIONS.

(8) WETLANDS SHALL NOT BE USED AS EQUIPMENT STORAGE, STAGING, OR TRANSPORTATION AREAS, UNLESS SPECIFICALLY PROVIDED FOR IN THE CONSTRUCTION PLANS AND PERMITS.

(9) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS PRIOR TO ANY CONSTRUCTION AND MAINTENANCE ACTIVITIES TO ENSURE THAT ENVIRONMENTAL FEATURES (E.G., STREAMS, WETLANDS, SPRINGS, ETC.) ARE NOT IMPACTED BEYOND PERMITTED LOCATIONS. IF THE CONTRACTOR OR TDOT INSPECTOR IS UNSURE OF THE IDENTITY OF AN ENVIRONMENTAL FEATURE, THE INSPECTOR SHALL CONTACT THE TDOT REGION ENVIRONMENTAL TECH GROUP IMMEDIATELY.

SPECIES

(10) NO ACTIVITY MAY SUBSTANTIALLY DISRUPT THE MOVEMENT OF THOSE SPECIES OF AQUATIC LIFE INDIGENOUS TO THE WATER BODY, INCLUDING THOSE SPECIES THAT NORMALLY MIGRATE THROUGH THE AREA.

(11) SHOULD CLIFF SWALLOW OR BARN SWALLOW NESTS, EGGS, OR BIRDS (YOUNG AND ADULTS) BE PRESENT, THE CONTRACTOR SHALL CONTACT THE REGIONAL ECOLOGY OFFICE TO DETERMINE IF SEASONAL RESTRICTIONS WILL BE NECESSARY. GENERALLY, BIRDS, NESTS, AND EGGS MAY NOT BE DISTURBED BETWEEN APRIL 15 AND JULY 31. FROM AUGUST 1 TO APRIL 14, NESTS CAN BE REMOVED OR DESTROYED SO LONG AS BIRDS OR EGGS ARE NOT PRESENT, AND MEASURES IMPLEMENTED TO PREVENT FUTURE NEST BUILDING AT THE SITE (I.E., CLOSING OFF AREA USING NETTING).

(12) IF THE REMOVAL OF ANY TREES WITH A DIAMETER AT BREAST HEIGHT (DBH) GREATER THAN 3 INCHES IS DEEMED NECESSARY THE TDOT SUPERVISOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION, ECOLOGY SECTION IMMEDIATELY.

PERMITS, PLANS & RECORDS

(13) THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND OBTAIN ANY NECESSARY ENVIRONMENTAL PERMITS OR APPROVALS, INCLUDING BUT NOT LIMITED TO ARCHAEOLOGY, ECOLOGY, HISTORICAL, HAZARDOUS MATERIALS, AIR AND NOISE, TDEC ARAP/401, USACE SECTION 404, TVA SECTION 26A, AND TDEC NPDES PERMITS, FROM FEDERAL, STATE AND/OR LOCAL AGENCIES REGARDING ANY MATERIAL AND STAGING AREAS AND THE OPERATION OF ANY PROJECT-DEDICATED ASPHALT AND/OR CONCRETE PLANTS TO BE USED. ANY SUCH PERMITS SHALL BE SUPPLIED TO THE TDOT PROJECT RESPONSIBLE PARTY PRIOR TO THE USE OF THE PERMITTED AREA(S).

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

(15) IF A CHANGE IN PROJECT SCOPE OCCURS DURING CONSTRUCTION, INCLUDING VALUE ENGINEERING, THE TDOT PERMIT SECTION SHALL BE CONTACTED TO DETERMINE WHETHER PERMIT REVISIONS ARE NEEDED. THE PROJECT MANAGER SHALL BE CONTACTED TO DETERMINE IF ANY PLAN REVISIONS ARE NEEDED.

(16) THE CONTRACTOR SHALL REVIEW ALL EXISTING PERMITS TO ENSURE THAT WORK AT PERMITTED SITES DOES NOT EXCEED EXPIRATION DATE. IF WORK IS GOING TO BE CONTINUED AFTER EXPIRATION DATES, THE CONTRACTOR SHALL CONTACT THE TDOT PROJECT RESPONSIBLE PARTY TO COMMENCE PERMIT RENEWAL PROCESS.

(17) ALL WATER QUALITY PERMITS SHALL BE POSTED NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE ACCESSIBLE TO THE PUBLIC. THE NAME, COMPANY NAME, EMAIL ADDRESS, TELEPHONE NUMBER AND ADDRESS OF THE PROJECT SITE OWNER, OPERATOR, OR A LOCAL CONTACT PERSON WITH A BRIEF DESCRIPTION OF THE PROJECT SHALL ALSO BE POSTED. IF POSTING THIS INFORMATION NEAR A MAIN ENTRANCE IS INFEASIBLE, THE INFORMATION SHALL BE PLACED IN A PUBLICLY ACCESSIBLE LOCATION NEAR WHERE THE CONSTRUCTION IS ACTIVELY UNDERWAY AND MOVED AS NECESSARY. THIS LOCATION SHALL BE POSTED AT THE CONSTRUCTION SITE. ALL POSTINGS SHALL BE MAINTAINED IN LEGIBLE CONDITION.

SUPPORT ACTIVITIES

(18) MATERIALS AND STAGING AREAS SHALL NOT AFFECT ANY WATERS OF THE STATE/U.S. UNLESS THESE AREAS ARE SPECIFICALLY COVERED BY ENVIRONMENTAL PERMITS, OBTAINED SOLELY BY THE CONTRACTOR. THE CONTRACTOR SHALL REVIEW ALL EXISTING PERMITS TO ENSURE THAT WORK AT PERMITTED SITES DOES NOT EXCEED EXPIRATION DATES. IF WORK IS GOING TO BE CONTINUED AFTER EXPIRATION DATES, THE CONTRACTOR SHALL CONTACT THE TDOT PROJECT RESPONSIBLE PARTY TO COMMENCE PERMIT RENEWAL PROCESS.

ENVIRONMENTAL

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

ENVIRONMENTAL SPECIAL NOTES

ENVIRONMENTAL

(1) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE SHALL BE INVITED TO ALL PRE-CONSTRUCTION MEETINGS.

ECOLOGY

(2) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE SHALL ADVISE THE CONTRACTOR DURING THE PRE-CONSTRUCTION MEETING WHEN ENVIRONMENTAL DIVISION PERSONNEL OR A DESIGNATED CONSULTANT WILL NEED TO BE ONSITE FOR WORK BEING DONE WHICH COULD AFFECT WATERS OF THE STATE/U.S. OR SPECIES.

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

(4) ALL PROJECTS WITH LEGALLY PROTECTED SPECIES OR CRITICAL HABITAT IDENTIFIED SHALL HAVE MEASURES IN PLACE TO CONTAIN CONCRETE DUST, CEMENT DUST AND ALL OTHER MATERIALS. THESE MATERIALS ARE NOT ALLOWED TO ENTER WATERS OF THE STATE/U.S.

PROJECT COMMITMENTS

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

SCOPE OF WORK

(6) THE SCOPE OF WORK INCLUDES BUT IS NOT LIMITED TO:

- BRIDGE REPLACEMENT
- EPSC
- TRAFFIC CONTROL
- SIGNING AND STRIPING
- GRADING
- STORM DRAINAGE
- UTILITIES
- LIGHTING
- PAVING AND GUARDRAIL
- RETAINING WALL

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DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	2F
PIH	2025	94004-3234-04	2F
PS&E	2026	94004-3234-04	2F

CATCH BASINS AND JUNCTION BOXES

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE STD. DWG.	LID STD. DWG.	STRUCTURE TYPE	INSIDE DIAMETER	DEPTH (FT.)	96" RD. C.B. 611-60.40 4' - 8'	REMARKS
4B	S.R. 6	106+47.08	-19.36	CB-14S	637.05	D-RS-1	D-RL-2	#14RB	96"	4.09	1	
4B	S.R. 6	106+47.09	20.77	CB-14S	637.02	D-RS-1	D-RL-2	#14RB	96"	4.10	1	
TOTALS											**2**	

STORM DRAINAGE PIPES

SHEET NO.	FROM		TO		% GRADE	607-03.02 18" (L.F.)	607-09.02 48" (L.F.)
	CODE	OUTLET ELEV.	CODE	INLET ELEV.			
4B	EX.	626.14	EW3	625.00	1.66		69
4B	CB-1	632.96	EW1	632.55	1.69	24	
4B	CB-2	632.92	EW2	632.73	0.88	21	
TOTALS						**45**	**69**

STORM DRAINAGE ENDWALLS

SHEET NO.	LOCATION	STATION	SKEW (DEG.)	OFFSET (FT.)	DRAINAGE CODE	STRUCTURE TYPE	STANDARD DRAWING	CLASS A CONC. 611-07.01 C.Y.	STEEL BAR REIN. 611-07.02 LBS.	CLASS C RIPRAP 709-05.09 TONS
4B	S.R. 6	103+68.40	72	-42.04	EW3	PEW	D-PEW-1	6	215	190
4B	S.R. 6	106+47.08	90	41.76	EW1	ST	D-PEW-4	1	29	
4B	S.R. 6	106+47.08	90	-44.02	EW2	ST	D-PEW-4	1	29	
TOTALS								**8**	**273**	**190**

PROPOSED GUARDRAIL

SHEET NO.	LOCATION	SIDE		STATION		GUARDRAIL	TERMINAL ANCHORS		REMARKS
		LT	RT	FROM	TO	SINGLE TYPE 2 705-06.01 (L.F.)	TYPE 21 705-06.30 (EACH)	THRIE BEAM BRIDGE TL3 705-06.25 (EACH)	
4B	S.R. 6	X		106+41.58	107+43.03	68.75	1	1	
TOTALS						**69**	**1**	**1**	

EXISTING STORM STRUCTURE REMOVAL

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	CATCH BASIN 202-04.04 (COUNT)	END WALL 202-04.02 (COUNT)	END WALL 202-04.03 (COUNT)
4	S.R. 6	106+24.62	-34.52		1	
4	S.R. 6	106+29.79	35.43			1
4	S.R. 6	106+30.64	22.34	1		
TOTALS				1	1	1

NOTE: REMOVAL OF UNDERDRAINS AND UNDERDRAIN ENDWALLS, WHERE APPLICABLE, ARE TO BE INCLUDED IN THE COST OF OTHER ITEMS.

REMOVAL OF PIPE

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	18" 202-02.21 (L.F.)	REMARKS
4	S.R. 6	106+27.68	-7.06	56	
4	S.R. 6	106+30.22	28.92	13	
TOTALS				**69**	

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No. 135955
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TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	2F1
PIH	2025	94004-3234-04	2F1
PS&E	2026	94004-3234-04	2F1

PAVEMENT QUANTITIES

LOCATION	PAY ITEMS							
	303-01 GR D STONE (TON)	307-02.01 GR A PG70-22 (TON)	307-02.08 GR B-M2 PG70-22 (TON)	402-01 PRIME COAT (TON)	402-02 PRIME COVER (TON)	403-01 TACK COAT (TON)	411-02.10 GR D (PG70-22) (TON)	415-01.01 COLD PLANE PAVEMENT (TON)
S.R. 6	79	24	16	2.4	0.7	0.2	112	102
TRAFFIC CONTROL	83	32	21	0.3	0.9	0.1	12	
TRAFFIC MAINTENANCE	280							
TOTALS	**442**	**56**	**37**	**3**	**2**	**1**	**125**	**102**

EARTHWORK BALANCE

LOCATION:	EXCAVATION				EXC. AVAILIBLE FOR EMB.	EMBANKMENT	BAL (C.Y.)
	EXC. COMMON (C.Y)	EXC. TOPSOIL (C.Y.)	PAVEMENT REMOVAL (C.Y.)	EXC. UNCLASSIFIED (C.Y.)		EMB. (C.Y.)	
	A	B	C	D=A+B+C	E =A*(1-15%)	F	G=E-F
SR6	150	159	350	659	127	1,048	(920)
		-	-	-	-	-	-
TOTALS	**150**	**159**	**350**	**659**	**127**	**1,048**	**(920)**

ESTIMATED QUANTITIES		
	TOTALS	UNITS
EXCAVATION UNCLASSIFIED = (D)	659	CY
BORROW = G*(1+15%)	1,059	CY

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COMMERCE
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DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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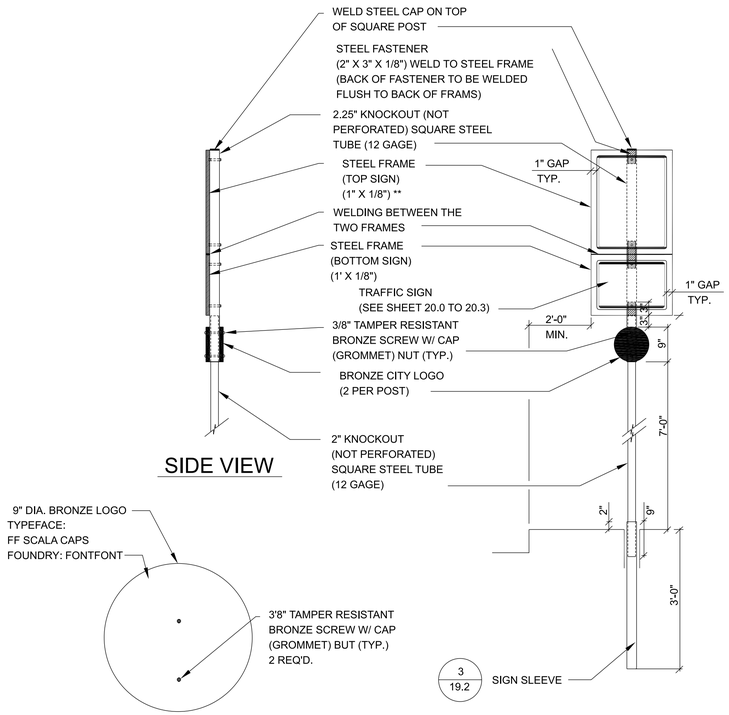


NOTES:

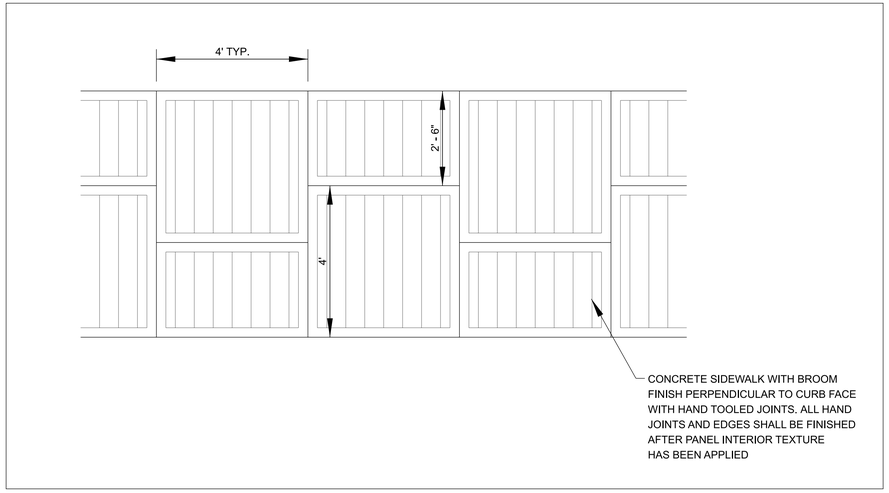
1) ALL BLACK ART SHALL BE RAISED FROM THE BACKGROUND TO CREATE A SUBSTANTIAL EMBOSSED APPEARANCE.
2) SUBMIT SHOP DRAWINGS FOR APPROVAL.
3) BRONZE CITY LOGO SHALL MATCH THOSE INSTALLED ALONG 3RD AVE. N. AND 5TH AVE. N

BRONZE CITY LOGO

NOTES:

1) FINISH FRAME AND POST PER SPECS. FINISH COLOR OF STEEL FRAME, 2" AND 2.25" KNOCKOUT SQ. STEEL TUBE TO MATCH SHERWIN WILLIAMS #PGS8-90245 (FRANKLIN GREEN).
2) GRIND ALL WELDS SMOOTH
3) FINISH BACKS OF ALL TRAFFIC SIGNS PER SPECS. FINISH COLOR TO MATCH SHERWIN WILLIAMS #PGS8-90245 (80% GLOSS) (FRANKLIN GREEN)
4) INSTALL SIGN SLEEVE IN ACCORDANCE WITH DETAIL 3 / 19.2

PROPOSED SIGN POST DETAIL



PROPOSED SIDEWALK SCORING PATTERN NORTH OF BRIDGE

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	2G
PIH	2025	94004-3234-04	2G
PS&E	2026	94004-3234-04	2G

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No. 126995
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DEPARTMENT OF TRANSPORTATION

DETAIL SHEET

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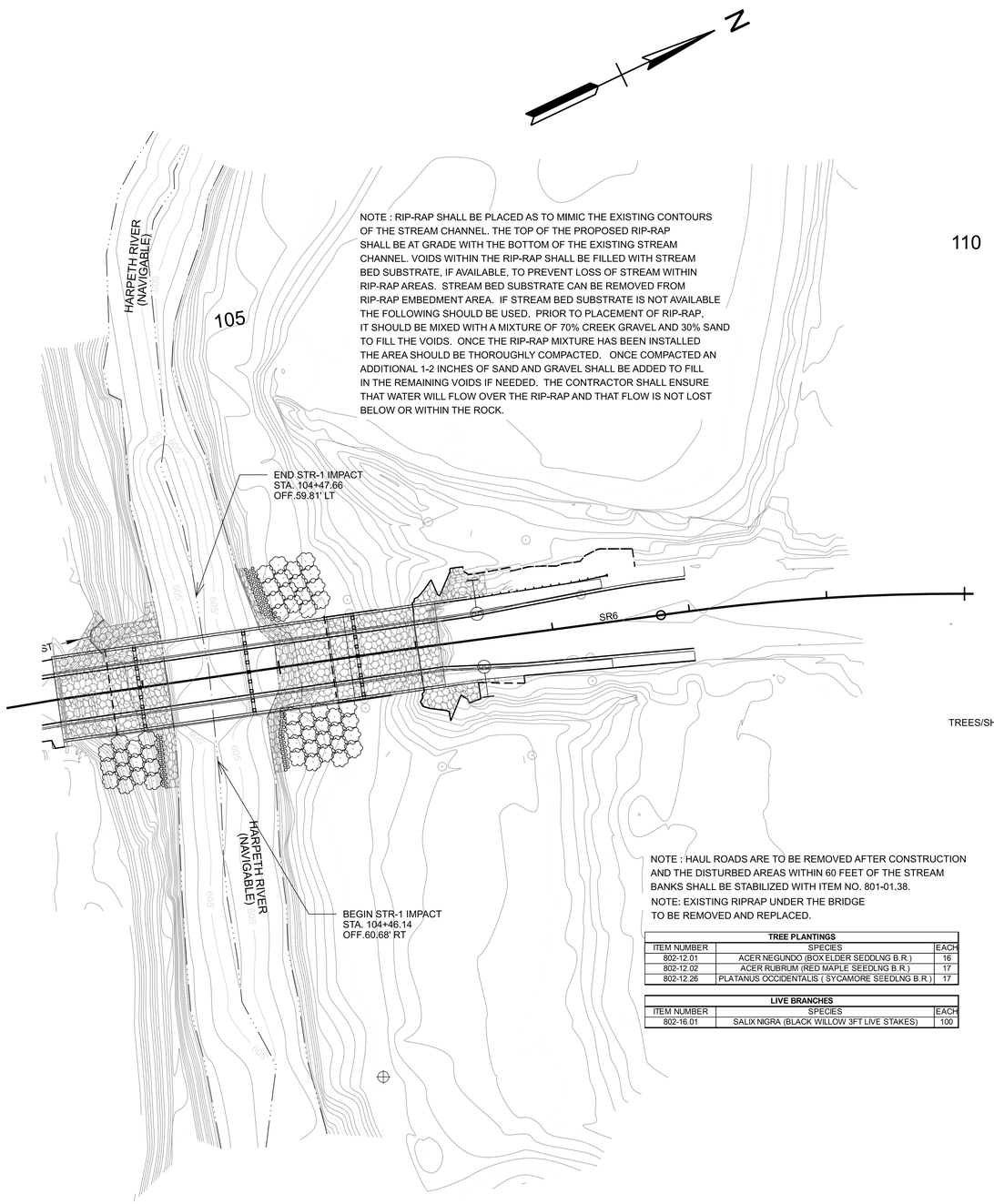
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	2G3
PIH	2025	94004-3234-04	2G3
PS&E	2026	94004-3234-04	2G1



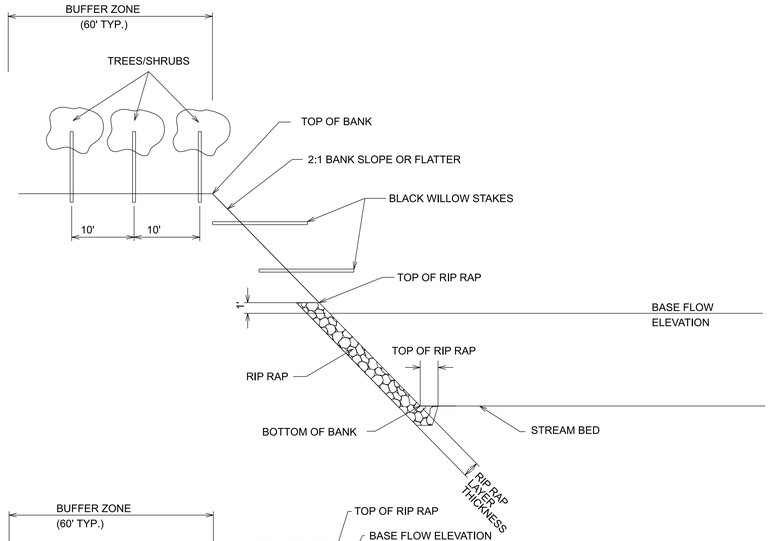
NOTE : RIP-RAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIP-RAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIP-RAP SHALL BE FILLED WITH STREAM BED SUBSTRATE, IF AVAILABLE, TO PREVENT LOSS OF STREAM WITHIN 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 RIP-RAP, 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 GRAVEL SHALL BE ADDED TO FILL IN THE REMAINING VOIDS IF NEEDED. THE CONTRACTOR SHALL ENSURE THAT WATER WILL FLOW OVER THE RIP-RAP AND THAT FLOW IS NOT LOST BELOW OR WITHIN THE ROCK.

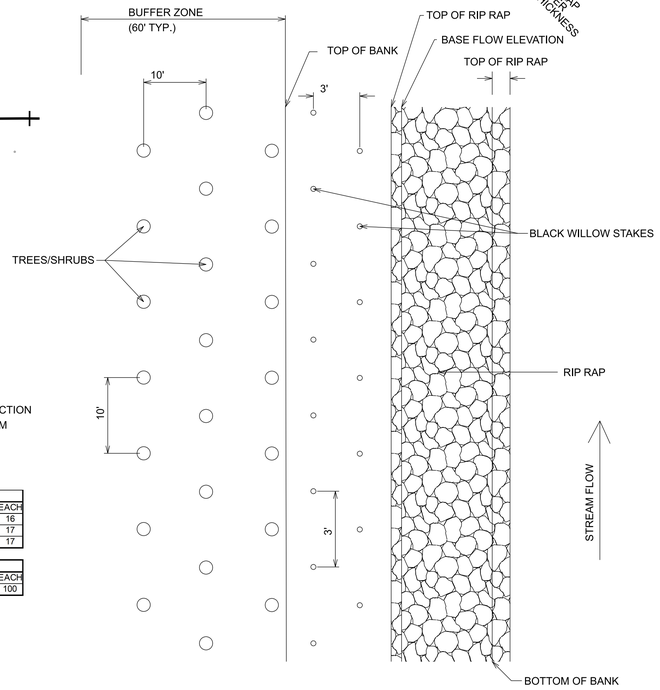
NOTE : HAUL ROADS ARE TO BE REMOVED AFTER CONSTRUCTION AND THE DISTURBED AREAS WITHIN 60 FEET OF THE STREAM BANKS SHALL BE STABILIZED WITH ITEM NO. 801-01.38.

NOTE: EXISTING RIPRAP UNDER THE BRIDGE TO BE REMOVED AND REPLACED.

TREE PLANTINGS		
ITEM NUMBER	SPECIES	EACH
802-12.01	ACER NEGUNDO (BOX ELDER SEEDLNG B.R.)	16
802-12.02	ACER RUBRUM (RED MAPLE SEEDLNG B.R.)	17
802-12.26	PLATANUS OCCIDENTALIS (SYCAMORE SEEDLNG B.R.)	17

LIVE BRANCHES		
ITEM NUMBER	SPECIES	EACH
802-16.01	SALIX NIGRA (BLACK WILLOW 3FT LIVE STAKES)	100





BANK STABILIZATION NOTES:

1. THIS DETAIL SHOULD BE USED IN SECTIONS OF THE PROJECT WHERE HAUL ROADS WILL BE REMOVED AFTER CONSTRUCTION AND THE BANKS NEED TO BE RESTABILIZED. THIS DETAIL SHOULD ONLY BED USED ON STREAM BANKS WITH A SLOPE OF 2:1 OR FLATTER.

2. RIP RAP SHALL BE INSTALLED FROM THE BOTTOM OF THE STREAM BED UP TO 1' ABOVE THE BASE FLOW ELEVATION. RIP RAP CLASS AND LAYER THICKNESS SHALL BE SIZED ACCORDING TO THE TDOT DESIGN GUIDELINES, TDOT DRAINAGE MANUAL, & TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION MANUAL.

3. WILLOW STAKES SHOULD THEN BE PLANTED IN A 3' X 3' X 3' TRIANGULAR PLANTING SCHEME UP TO THE TOP OF BANK.

4. THE SPECIFIED TREES AND/OR SHRUBS SHALL THEN BE PLANTED IN A 10' X 10' X 10' TRIANGULAR PLANTING SCHEME WITHIN THE FOOTPRINT OF THE HAUL AREA FROM THE TOP OF BANK BACK THROUGHOUT THE ENTIRE STREAM BUFFER ZONE (60').

5. NO PLANTINGS SHOULD OCCUR WITHIN 10' OF THE PROPOSED BRIDGE.

STREAM BUFFER ZONE SEED MIX:

THE FOLLOWING SPECIES SHOULD BE USED FOR ITEM NO. 801-01.35 (GRASS SEED MIX (RIPZN/FLPL) W/MULCH:
- VIRGINIA WILD RYE (ELYMUS VIRGINICUS)
- DEERTONGUE (DICHANTHELIUM CLANDESTINUM)
- INDIAN GRASS (SORGHASTRUM NUTANS)
- BIG BLUE STEM (ANDROPOGON GERARDII)
- FOWL MANNA GRASS (GLYCERIA STRIATA)

34 LB/ACRE OF SEED MIX SHALL BE USED. SEED SPECIES LISTED ABOVE SHOULD BE EQUALLY DISTRIBUTED IN THE SEED MIXTURE.

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DEPARTMENT OF TRANSPORTATION

BANK STABILIZATION AND TREE PLANTING DETAILS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	3
PIH	2025	94004-3234-04	3
PS&E	2026	94004-3234-04	3

RIGHT-OF-WAY

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

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

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

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

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

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

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UTILITY

(1) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. ABOVE GRADE AND UNDERGROUND UTILITIES SHOWN WERE TAKEN FROM VISIBLE APPURTENANCES AT THE SITE, PUBLIC RECORDS, AND/OR MAPS PREPARED BY OTHERS. THEREFORE, RELIANCE UPON THE TYPE, SIZE, AND LOCATION OF UTILITIES SHOWN SHOULD BE DONE SO WITH THIS CIRCUMSTANCE CONSIDERED. DETAILED VERIFICATION OF EXISTENCE, LOCATION, AND DEPTH SHOULD ALSO BE MADE PRIOR TO ANY DECISION RELATIVE THERETO IS MADE. AVAILABILITY AND COST OF SERVICE SHOULD BE CONFIRMED WITH THE APPROPRIATE UTILITY COMPANY. IN TENNESSEE, IT IS A REQUIREMENT, PER "THE UNDERGROUND UTILITY DAMAGE PREVENTION ACT", THAT ANYONE WHO ENGAGES IN EXCAVATION MUST NOTIFY ALL KNOWN UNDERGROUND UTILITY OWNERS, NO LESS THAN THREE (3) OR NOT MORE THAN TEN (10) WORKING DAYS PRIOR TO THE DATE OF THEIR INTENT TO EXCAVATE AND ALSO TO AVOID ANY POSSIBLE HAZARD OR CONFLICT. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111 AS REQUIRED BY TCA 65-31-106 WILL BE REQUIRED.

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

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

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

(5) THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY IN ACCORDANCE WITH TCA 65-31-106. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC AT 1-800-351-1111 WILL BE REQUIRED.

UTILITY OWNERS

WATER/SEWER:
CITY OF FRANKLIN WATER & SEWER
109 3RD AVENUE SOUTH
FRANKLIN, TN 37065
CONTACT: PATRICIA MCNEESE
OFFICE PHONE: 615 791 3218
CELL PHONE: ___ ___ ____
Email: PATRICIA.MCNEESE@FRANKLINTN.GOV

ELECTRIC:
MID TN ELECTRIC
555 NEW SALEM ROAD
MURFREESBORO, TN 37129
CONTACT: CHRISTOPHER WEAVER
OFFICE PHONE: 615 494 1068
CELL PHONE: ___ ___ ____
Email: CHRISWEAVER@MTE.COM

GAS:
ATMOS ENERGY
810 CRESCENT CENTRE DR. SUITE 600
FRANKLIN, TN 37067
CONTACT: TERI LABELLA
OFFICE PHONE: ___ ___ ____
CELL PHONE: 615 418 6699
Email: TERI.LABELLA@ATMOSENERGY.COM

TELEPHONE/FIBER OPTICS:
AT&T
116 S. CANNON AVE.
MURFREESBORO, TN 37129
CONTACT: LEE KORNEGAY
OFFICE PHONE: 615 848 2082
CELL PHONE: 615 631 7221
Email: KK2096@ATT.COM

FIBER OPTICS:
XO COMMUNICATIONS (VERIZON)
575 HICKORY HILLS BLVD.
WHITES CREEK, TN 37189
CONTACT: MIKE WEAVER
OFFICE PHONE: ___ ___ ____
CELL PHONE: 615 218 0656
Email: MICHAEL.WEAVER@VERIZON.COM

FIBER OPTICS:
WINDSTREAM COMMUNICATIONS
658 TREE FARM RD.
LINDEN, TN 37096
CONTACT: TOMMY RAYFIELD
OFFICE PHONE: 812 253 1587
CELL PHONE: 931 994 1249
Email: TOMMY.RAYFIELD@UNITI.COM

FIBER OPTICS:
LUMEN
520 WHALEY ST.
COLUMBIA, SC 29201
CONTACT: JOHN BOEDEKER
OFFICE PHONE: ___ ___ ____
CELL PHONE: 512 334 8351
Email: JOHN.BOEDEKER@LUMEN.COM

CABLE/FIBER OPTICS:
GOOGLE FIBER
1101 MCGAVOCK ST. STE. 200
NASHVILLE, TN 37203
CONTACT: RICK BOLTON
OFFICE PHONE: 629 888 2258
CELL PHONE: ___ ___ ____
Email: BOLTONR@GOOGLE.COM

SEALED BY

AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 126985
STATE OF TENNESSEE

4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	3A
PIH	2025	94004-3234-04	3A
PS&E	2026	94004-3234-04	3A

REV. 03/12/25 REVISED PROPERTY OWNER INFORMATION FOR TRACT 4.

REV. 04/07/25 REVISED PROPERTY OWNER INFORMATION FOR TRACT 4.

REV. 07/29/25 REVISED RIGHT OF WAY AQUISITION FOR TRACT 4.

R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (ACRES)			
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERMANENT	SLOPE	CONSTRUCTION	AIR RIGHTS
				BOOK	PAGE												
1	ST. PHILIP CATHOLIC CHURCH	078C F	01300	7375	272		2.145	2.145					2.145				
2	HARPETH APARTMENT ASSOCIATES, LLC	078C D	01500	7212	104	2.035		2.035				2.035					
3	1ST AND MAIN, LLC	078C E	00400	7466	799		2.201	2.201					2.201			3798 S.F.	
4	FIRST AND MAIN, LLC	063 N B	05800	9650	612	0.416		0.416	986 S.F.		986 S.F.	0.393		2799 S.F.		1790 S.F.	
5	FIRST AND MAIN, LLC	063 N B	06000	4656	66	0.749		0.749				0.749					
6	ALVA JEFFERSON BETHURUM	063N F	01500	278	275	8.331		8.331	3330 S.F.		3330 S.F.	8.255			2041 S.F.	0.393	
7	BATTLE GROUND ACADEMY	063N C	00101	1740	129		5.769	5.769		2854 S.F.	2854 S.F.		5.703		58 S.F.	0.474	
ACQUISITION TOTALS (ACRES)									**0.165**					**2799 S.F.**	**2099 S.F.**	**0.995**	

DISTURBED AREA

IN BETWEEN SLOPE LINES	1.000	(AC)
15 FOOT WIDE STRIP (OUT SIDE SLOPE LINES)	1.530	(AC)
TOTAL DISTURBED AREA	2.530	(AC)
TOTAL PROJECT AREA	5.060	(AC)

SEALED BY

AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 142894
STATE OF TENNESSEE

4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY
ACQUISITION
TABLE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	3B
PIH	2025	94004-3234-04	3B
PS&E	2026	94004-3234-04	3B

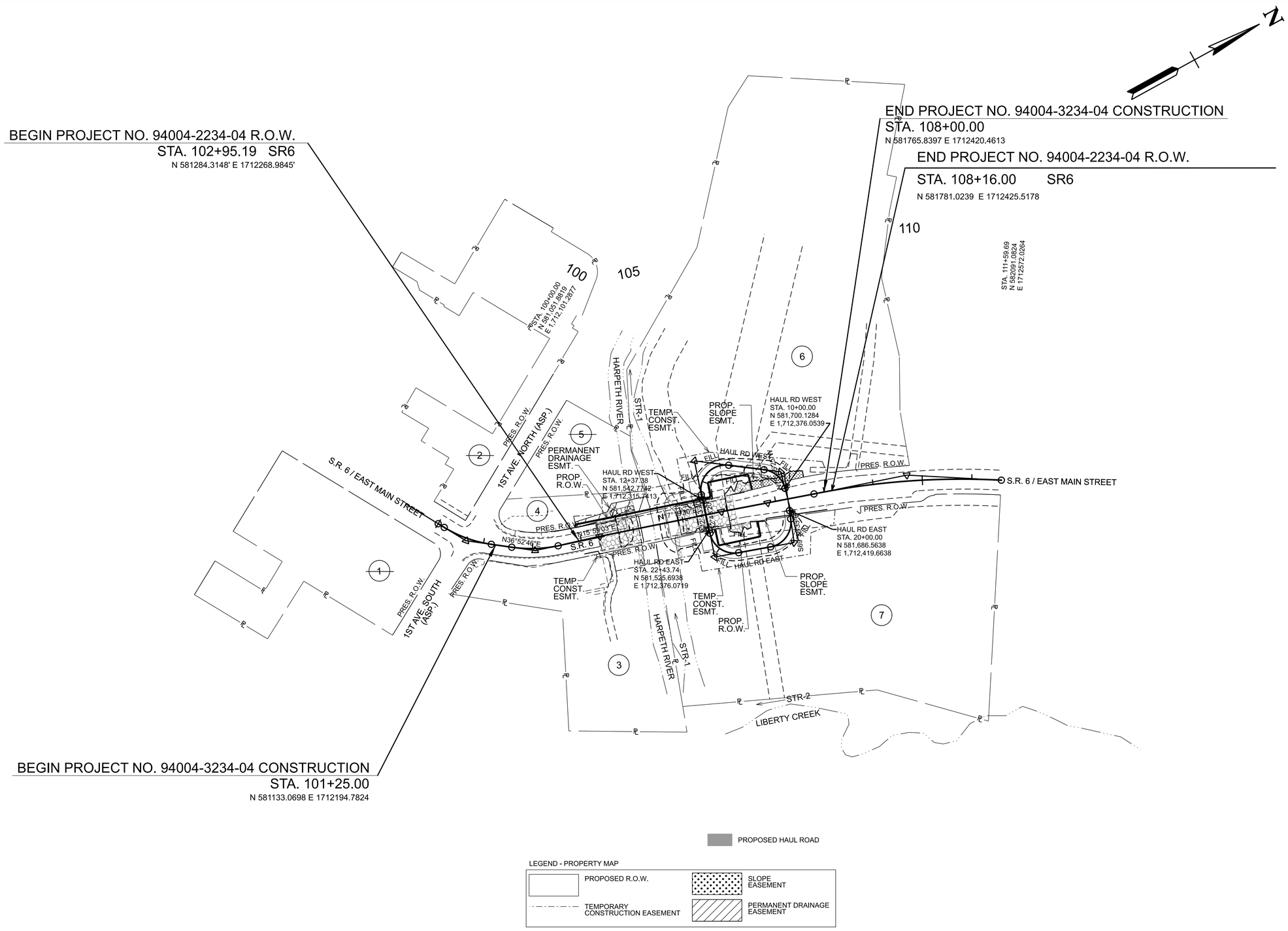
REV. 07/29/25 REVISED RIGHT OF WAY AQUISITION FOR TRACT 4. REDUCED RETAINING WALL AND REMOVED PROP. CONCRETE FLATWORK.

BEGIN PROJECT NO. 94004-2234-04 R.O.W.
STA. 102+95.19 SR6
N 581284.3148' E 1712268.9845'

END PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 108+00.00
N 581765.8397 E 1712420.4613

END PROJECT NO. 94004-2234-04 R.O.W.
STA. 108+16.00 SR6
N 581781.0239 E 1712425.5178

BEGIN PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 101+25.00
N 581133.0698 E 1712194.7824



PROPOSED HAUL ROAD

LEGEND - PROPERTY MAP

PROPOSED R.O.W.	SLOPE EASEMENT
TEMPORARY CONSTRUCTION EASEMENT	PERMANENT DRAINAGE EASEMENT

SEALED BY

AUSTIN BIGGS
REGISTERED ENGINEER
No. 126595
STATE OF TENNESSEE

4/9/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

SCALE: 1" = 100'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	4
PIH	2025	94004-3234-04	4
PS&E	2026	94004-3234-04	4

REV. 03/12/25 REVISED PROPERTY OWNER INFORMATION FOR TRACT 4.

REV. 04/07/25 REVISED PROPERTY OWNER INFORMATION FOR TRACT 4.

REV. 07/29/25 REVISED RIGHT OF WAY AQUISITION FOR TRACT 4. REDUCED RETAINING WALL AND REMOVED PROP. CONCRETE FLATWORK.

REV. 09/30/25 UPDATED SURVEY.

S.R. 6 CURVE 1
PI 100+65.92
N 581,084.6697
E 1,712,158.4696
Δ 23°17'27" LT.
D 22°55'06"
R 250.00'
L 101.63'
T 51.52'
SE MATCH EX.
TRANS. LENGTH N/A
DESIGN SPEED 35 MPH

S.R. 6 CURVE 2
PI 102+05.30
N 581,197.3056
E 1,712,242.9761
Δ 19°38'23" LT.
D 20°50'05"
R 275.00'
L 94.26'
T 47.60'
SE MATCH EX.
TRANS. LENGTH N/A
DESIGN SPEED 35 MPH

HAUL RD. WEST CURVE 5
PI 12+01.97
N 581,566.5393
E 1,712,239.3364
Δ 108°43'25" LT.
D 114°35'30"
R 50.00'
L 94.88'
T 69.74'
SE N/A
TRANS. LENGTH N/A
DESIGN SPEED 15 MPH

HAUL RD. WEST CURVE 6
PI 10+34.54
N 581,708.6267
E 1,712,342.5748
Δ 68°14'29" LT.
D 114°35'30"
R 50.00'
L 59.55'
T 33.88'
SE N/A
TRANS. LENGTH N/A
DESIGN SPEED 15 MPH

BEGIN PROJECT NO. 94004-2234-04 R.O.W.
STA. 102+95.19 SR6
N 581284.3148' E 1712268.9845'

BEGIN PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 101+25.00 SR6
N 581133.0698 E 1712194.7824

L.O.C./BEG. MILL & OVERLAY
STA. 101+25.00

END PROJECT NO. 94004-2234-04 R.O.W.
STA. 108+16.00 SR6
N 581781.0239 E 1712425.5178

END PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 108+00.00 SR6
N 581765.8399 E 1712420.4608
L.O.C./END MILL & OVERLAY
STA. 108+00.00

STA. 111+59.69
N 582091.0824
E 1712572.0264

HARPETH APARTMENT ASSOCIATES, LLC.
FIRST AND MAIN, LLC
FIRST AND MAIN, LLC
ST. PHILIP CATHOLIC CHURCH
ALVA JEFFERSON BETHURUM ⑥
1ST AND MAIN, LLC ③
BATTLE GROUND ACADEMY ⑦
PLAYGROUND

100
105
110

HARPETH RIVER (NAVIGABLE) STR-1
LIBERTY CREEK STR-2

1ST AVE. NORTH (ASP.)
1ST AVE. SOUTH (ASP.)
EAST MAIN ST.
S.R. 6 / FRANKLIN RD. (ASP.)
HAUL RD. WEST
HAUL RD. EAST

PRES. R.O.W.
TOP OF BANK
CHAIN LINK
ROCK WALL
RET. WALL 1
RET. WALL METAL FENCE
BOLLARD
CONC. SW.
ASP.
CURB
GR.
SA
PC STA. 11+32.23
PT STA. 10+69.27
PC STA. 10+79.21
PC STA. 20+17.09
PT STA. 22+37.02
PC STA. 21+59.52
PT STA. 20+93.84
PT STA. 102+51.97
PC STA. 101+57.71
PT STA. 101+16.02
PI STA. 103+37.58
PI STA. 105+88.43
PLSTA. 106+83.82
HAUL RD WEST LIMIT OF CONST. STA. 12+37.38 N 581,542.7742 E 1,712,316.7473
HAUL RD EAST LIMIT OF CONST. STA. 22+43.74 N 581,525.6938 E 1,712,376.0719
HAUL RD WEST STA. 10+00.00 N 581,700.1284 E 1,712,376.0539
HAUL RD EAST STA. 20+00.00 N 581,686.5638 E 1,712,419.6638
END STR-1 IMPACTS STA.104+47.66 (OFF 59.81' LT.
REMOVE EXIST. STEPS
REMOVE AND REPLACE 211' OF WOODEN FENCE
REMOVE AND REPLACE 222' OF WOODEN FENCE
EW AND 18" RCP TO BE REMOVED
EW AND 48" RCP TO BE REMOVED
45' OF EX. RET. WALL AND FENCE TO BE REMOVED AND REPLACED WITHIN ROW
EX. FENCE TO BE REMOVED AND REPLACED WITHIN ROW
CB, EW AND 18" RCP TO BE REMOVED
CANTILEVER SIGN TO REMAIN ELECTRICAL CONNECTION TO BE REPLACED
1-S-BR. BUS. BURGER DANDY AMERICANA TAPHOUSE
2-S-BR. BUS. MULTIPLE BUS.
1-S-BR. BUS. MULTIPLE BUS.
BOLLARDS (4)
BOLLARDS (2)
BOLLARD #8
BARBED WIRE
WOOD
CONC.
EX. MH #1
EX. MH #2
EX. MH #3
EX. MH #4
EX. CB #1
EX. CB #2
EX. CB #3
EX. CB #4
EX. CB #5
EX. CB #6
EX. CB #7
EX. CB #8
EX. CB #9
EX. CB #10
EX. CB #11
EX. CB #12
EX. CB #13
EX. CB #14
EX. CB #15
EX. CB #16
EX. CB(2) #1
EX. CB(2) #7
EX. CB(2) #8
EX. CB(2) #10
15" HDPE
18"RCP
24"RCP
30"RCP
48"RCP
JERSEY BARRIER
INV-631.68
INV-628.00
S36°00'00"W
N17°56'36"E
N17°19'30"E
N15°59'03"E
N31°51'26"E
S69°58'30"E
S16°27'59"W
N3°48'40"E
S3°48'40"W
BRIDGE NO. 19SR0060013 3-SPAN CONC. BRIDGE (TO BE REMOVED)
L/P# 19SR0060013
IRON GATE
GATE
CHAIN LINK
WOOD FENCE
CANTILEVER SIGN
ELECTRICAL CONNECTION
STA. 100+00.00 N 581,057.8819 E 1,712,101.2877 PC STA. 100+14.39

HAUL RD. EAST CURVE 3
PI 22+08.49
N 581,509.1535
E 1,712,429.2489
Δ 88°48'41" RT.
D 114°35'30"
R 50.00'
L 77.50'
T 48.97'
SE N/A
TRANS. LENGTH N/A
DESIGN SPEED 15 MPH

HAUL RD. EAST CURVE 4
PI 20+65.33
N 581,663.6596
E 1,712,480.8455
Δ 87°56'33" RT.
D 114°35'30"
R 50.00'
L 76.74'
T 48.24'
SE MATCH EX.
TRANS. LENGTH N/A
DESIGN SPEED 15 MPH

S.R. 6 CURVE 7
PI 109+70.47
N 581,928.6278
E 1,712,471.0758
Δ 14°32'13" RT.
D 03°49'15"
R 1499.62'
L 380.48'
T 191.27'
SE MATCH EX.
TRANS. LENGTH N/A
DESIGN SPEED 35 MPH

PROPOSED HAUL ROAD
(REFER TO SHEET 2G3 REGARDING REMOVAL AND RESTORATION)

LEGEND - PROPERTY MAP

PROPOSED R.O.W.
TEMPORARY CONSTRUCTION EASEMENT
SLOPE EASEMENT
PERMANENT DRAINAGE EASEMENT

CONTROL POINTS

Point	Northing	Easting	Elevation	Feature	GPS Point	Station	Offset
S38	581166.1864	1712164.6499	638.33	XCP	GPS-94-006-38	101+33.41	-43.98
S39	581301.2960	1712244.5274	636.84	XCP	GPS-94-006-39	103+04.15	-29.34

EXISTING STORM SEWER

EX. CB(2) #1 TOP-639.78 INV-635.55 BOT-635.55	EX. CB #2 TOP-640.32 INV-636.11 BOT-636.11	EX. CB #3 TOP-639.78 INV-635.99 INV-635.49 INV-634.93 BOT-634.93	EX. CB #4 TOP-639.15 INV-635.82 BOT-635.82	EX. CB #5 TOP-639.02 INV-635.09 INV-635.56 BOT-635.56	EX. CB #6 TOP-639.34 INV-633.10 BOT-633.10	EX. CB(2) #7 TOP-637.50 INV-633.90 BOT-633.90	EX. CB(2) #8 TOP-637.35 INV-632.55 INV-631.85 BOT-631.85
EX. CB #9 TOP-636.81 INV-630.62 INV-626.32 INV-626.14 BOT-626.14	EX. CB(2) #10 TOP-636.49 INV-632.55 INV-632.39 BOT-632.39	EX. CB (2) #11 TOP-636.65 INV-631.78 INV-630.90 BOT-630.90	EX. CB #12 TOP - 636.98 INV - 633.17 BOT - 633.17	EX. CB #13 TOP-636.63 INV-632.95 INV-632.83 BOT-632.83	EX. CB #14 TOP-637.17 NOT ACCESSIBLE UNDER CONSTRUCTION		EX. CB #15 TOP - 637.71 INV - 633.70 BOT - 633.70
EX. CB #16 TOP - 638.90 INV - 632.69 BOT - 632.69	EX. MH #1 TOP-639.89 INV-634.48 INV-634.34 INV-626.82 INV-626.77 BOT-626.77	EX. MH #2 TOP-639.33 INV-626.78 INV-626.89 BOT-626.78	EX. MH #3 TOP-637.97 INV-633.66 INV-631.55 INV-626.50 INV-626.18 BOT-626.18	EX. MH #4 TOP - 634.17 INV - 629.09 INV - 629.06 BOT - 629.06			

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AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE
HAMMER
No. 125995
STATE OF TENNESSEE

4/9/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 100+00.00 TO STA. 111+59.69
SCALE: 1" = 50'

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PROPOSED R.O.W.					
CODE	STATION	OFFSET	FROM - TO	BEARING	LENGTH
A	102+95.19	28.50' LT.	A-B	N 72°40'29" W	5.67'
B	102+95.32	34.17' LT.	B-C	N 17°19'30" E	154.82'
C	104+49.35	33.17' LT.	C-D	N 17°19'30" E	124.04'
D	105+73.40	33.17' LT.	D-E	N 72°40'29" W	30.27'
E	105+73.40	63.44' LT.	E-F	N 17°19'30" E	83.24'
F	106+55.95	64.17' LT.	F-G	N 75°38'48" W	32.50'
G	106+57.98	31.73' LT.			
H	105+69.49	32.72' RT.	H-J	N 73°23'57" W	33.04'
J	105+69.91	65.76' RT.	J-K	N 16°36'03" E	86.49'
K	106+57.08	63.93' RT.	K-L	N 72°03'24" W	31.53'
L	106+57.08	32.40' RT.			

PERMANENT DRAINAGE EASEMENT					
M	102+95.44	39.16' LT.	B-M	N 72°40'30" W	4.99'
N	103+62.46	45.37' LT.	M-N	N 11°15'48" E	68.30'
P	103+74.20	60.16' LT.	N-P	N 34°13'33" W	18.88'
R	104+46.12	60.16' LT.	P-R	N 17°19'30" E	71.93'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	4A
PIH	2025	94004-3234-04	4A
PS&E	2026	94004-3234-04	4A

REV. 03/12/25 REVISED PROPERTY OWNER INFORMATION FOR TRACT 4.

REV. 04/07/25 REVISED PROPERTY OWNER INFORMATION FOR TRACT 4.

REV. 07/29/25 REVISED RIGHT OF WAY AQUISITION FOR TRACT 4. REDUCED RETAINING WALL AND REMOVED PROP. CONCRETE FLATWORK.

BEGIN PROJECT NO. 94004-2234-04 R.O.W.
STA. 102+95.19 SR6
N 581284.3148' E 1712268.9845'

END PROJECT NO. 94004-2234-04 R.O.W.
STA. 108+16.00 SR6
N 581781.0239 E 1712425.5178

BEGIN PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 101+25.00 SR6
N 581133.0698 E 1712194.7824

END PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 108+00.00 SR6
N 581765.8399 E 1712420.4608
L.O.C./END MILL & OVERLAY
STA. 108+00.00

L.O.C./BEG. MILL & OVERLAY
STA. 101+25.00

HARPETH APARTMENT ASSOCIATES, LLC.

FIRST AND MAIN, LLC

ST. PHILIP CATHOLIC CHURCH

ALVA JEFFERSON BETHURUM
⑥
ENTIRE TRACT IS OPEN SPACE AND P.U.D.E

1ST AND MAIN, LLC
③

BATTLE GROUND ACADEMY
⑦

STA. 111+59.69
N 582091.0824
E 1712572.0264

LEGEND - PROPERTY MAP

PROPOSED R.O.W.
SLOPE EASEMENT
TEMPORARY CONSTRUCTION EASEMENT
PERMANENT DRAINAGE EASEMENT

CONTROL POINTS							
Point	Northing	Easting	Elevation	Feature	GPS Point	Station	Offset
S38	581166.1864	1712164.6499	638.33	XCP	GPS-94-006-38	101+33.41	-43.98
S39	581301.2960	1712244.5274	636.84	XCP	GPS-94-006-39	103+04.15	-29.34

SEALED BY

AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 126995
STATE OF TENNESSEE

4/9/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY DETAILS

STA. 100+00.00 TO STA. 111+59.69
SCALE: 1" = 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	4B
PIH	2025	94004-3234-04	4B
PS&E	2026	94004-3234-04	4B

REV. 07/29/25 REDUCED RETAINING WALL AND REMOVED PROP. CONCRETE FLATWORK.

NOTE : RIP-RAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIP-RAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIP-RAP SHALL BE FILLED WITH 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 RIP-RAP 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 GRAVEL SHALL BE ADDED TO FILL IN THE REMAINING VOIDS IF NEEDED. THE CONTRACTOR SHALL ENSURE THAT WATER WILL FLOW OVER THE RIP-RAP AND THAT FLOW IS NOT LOST BELOW OR WITHIN THE ROCK.

BEGIN PROJECT NO. 94004-2234-04 R.O.W.
STA. 102+95.19 SR6
N 581284.3148' E 1712268.9845'

BEGIN BRIDGE RAIL
STA. 103+37.58
OFF. 31.17'

BEG. 32" BARRIER WALL
STA. 103+37.58
OFF. 19.50'

END E.O.P. TRANS.
STA. 103+37.58
OFF. 16.50'

100

STA. 100+00.00
N 581057.8819
E 1712101.2877

EX. CATCH BASIN
TOP-636.61
INV-630.62
INV-626.32
INV-626.14
BOT-626.14

GRATE ADJUSTMENT EL. 636.41'
EX. INV. EL. 631.78'
EX. OUT. EL. 630.90'
CB3 EX.

EX. 15" HDPE
EX. 15" RCP
EX. 15" RCP
EX. 48"RCP 1S
EX. 48"RCP
EX. MANHOLE
EX. 15" RCP
EX. 18" RCP
EX. 48"RCP
EX. 15"

BEG. E.O.P. TRANS.
STA. 102+87.73
OFF. 17.06'

BEG. C & G & S.W.
STA. 102+47.40
OFF. 20.61'

EX. 15"RCP

EX. 10' SW
EX. 12' SW

1ST EX. 48"RCP
1ST AVE. NORTH (ASP.)
1ST AVE. SOUTH (ASP.)
S.R. 6 / EAST MAIN STREET (ASP.)
SR6
N60°10'17"E
N38°52'46"E
N15°50'01"E
1ST
2ND ST
3RD ST
34.79'
39.78'
39.78'

BEGIN PROP. BR.
STA. 103+37.58

HARPETH RIVER (NAVIGABLE) STR-1

TOP OF BANK

105

THRIE BEAM TIE TO BRIDGE
BEGIN GUARDRAIL
STA. 106+41.58
OFF. 30.08'

END 32" BARRIER WALL
BEG. TRANS. 32" BARRIER WALL
STA. 106+41.58
OFF. 20.07'

BEGIN RETAINING WALL
STA. 103+52.45
OFF. 31.17'

END RETAINING WALL
STA. 103+54.04
OFF. 33.17'

BEG. E.O.P. TRANS.
STA. 106+41.80
OFF. 17.07'

END PROP. BR.
STA. 106+17.58

END STR-1 IMPACT
STA. 104+47.66
59.81' LT

EW3 PEW
INV. 625.00'

49' X 10' CL. C RIPRAP

CLASS B RIPRAP

PROP. 48" RCP

EX. 18" RCP

PROP. LIGHT POLE

PROP. BRIDGE PIERS (TYP.)

BEG. STR-1 IMPACT
STA. 104+46.14
OFF. 60.68' RT

END TRANS. 32" BARRIER WALL
STA. 103+37.58
OFF. 18.50'

BEG. BRIDGE RAIL
STA. 103+36.85
OFF. 31.16'

24" P.A.B.E.
STA. 103+13.58

END E.O.P. TRANS.
STA. 103+11.92
OFF. 16.50'

BEGIN 32" BARRIER WALL TRANS.
STA. 103+12.58
OFF. 18.50'

BEGIN C & G & S.W.
STA. 103+00.00
OFF. 21.35'

EX. CATCH BASIN
TOP-636.49
INV-632.55
INV-632.39
BOT-632.39

BEG. E.O.P. TRANS.
STA. 102+77.26
OFF. 18.82'

PROPOSED HAUL ROAD
(REFER TO SHEET 2G3 REGARDING REMOVAL AND RESTORATION)

NOTE : HAUL ROADS ARE TO BE REMOVED AFTER CONSTRUCTION AND THE DISTURBED AREAS WITHIN 60 FEET OF THE STREAM BANKS SHALL BE STABILIZED WITH ITEM NO. 801-01.38.

L.O.C./BEG. MILL & OVERLAY
STA. 101+25.00

BEGIN PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 101+25.00 SR6
N 581133.0698 E 1712194.7824

HAUL RD WEST
LIMIT OF CONST.
STA. 12+37.38
N 581,542.7742
E 1,712,315.7413

S96°00'06"W
HAUL RD WEST
N73°43'20"E
41.5'
35.25'
40'
R=25.00'
16.7'
CLASS B RIPRAP
10' S.W.
63.1'
36.94'
10' S.W.
12' S.W. (UNDER BRIDGE EDGE TO EDGE) TO BE GRADED ONLY
HAUL RD EAST
LIMIT OF CONST.
STA. 22+43.74
N 581,525.6938
E 1,712,376.0719
18.9'
N17°19'30"E
N74°43'25"W
40'
22'
HAUL RD EAST
S18°27'56"W
R=25.00'
CLASS B RIPRAP
24" P.A.B.E.
STA. 106+41.58
BEG. E.O.P. TRANS.
STA. 106+17.58
OFF. 16.19'
END 32" BARRIER WALL
BEG. TRANS. 32" BARRIER WALL
STA. 106+41.58
OFF. 21.32'
GT. Elev. 637.02'
OUT. Elev. 632.92'
CB2 #14
INV. 632.73'
EW2 ST
SEE SHEET 2G3 FOR BANK STABILIZATION DETAILS
TOP OF BANK
HARPETH RIVER (NAVIGABLE) STR-1
LIBERTY CREEK STR-2

INV. 632.55'
EW1 ST
GT. Elev. 637.05'
OUT. Elev. 632.96'
CB1 #14
R=25.00'

END TRANS. 32" BARRIER WALL
STA. 106+66.58
OFF. 21.58'

E.O.P. TRANS.
STA. 107+30.57
OFF. 22.42'

HAUL RD WEST
STA. 10+00.00
N 581,700.1284
E 1,712,376.0539

END GUARDRAIL
STA. 107+43.02
OFF. 33.35'

END C & G & S.W.
STA. 107+39.46
OFF. 24.91'

END E.O.P. TRANS.
STA. 108+00.00
OFF. 23.70'

R = 860'
N17°56'36"E
SR6
TYPE 21
6.5' SW
EX. 6.5' SW
N31°51'26"E
123.70'
27.07'
45.6'
N17°56'36"E
END C & G & S.W.
STA. 107+39.98
OFF. 26.79'
HAUL RD EAST
STA. 20+00.00
N 581,686.5638
E 1,712,419.6638
EX. MAST ARM TO REMAIN, AND ELECTRICAL CONNECTION TO BE MODIFIED
BEG. MILL & OVERLAY
STA. 106+75.00
E.O.P. TRANS.
STA. 106+76.27
OFF. 21.42'
END TRANS. 32" BARRIER WALL
STA. 106+66.58
OFF. 23.55'

STA. 111+59.69
N 582091.0824
E 1712572.0264

END PROJECT NO. 94004-2234-04 R.O.W.
STA. 108+16.00 SR6
N 581781.0239 E 1712425.5178

END PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 108+00.00 SR6
N 581765.8399 E 1712420.4608
L.O.C./END MILL & OVERLAY
STA. 108+00.00
END E.O.P. TRANS.
STA. 108+00.00
OFF. 27.07'

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AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 126993
STATE OF TENNESSEE

4/9/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 100+00.00 TO STA. 111+59.69
SCALE: 1" = 50'

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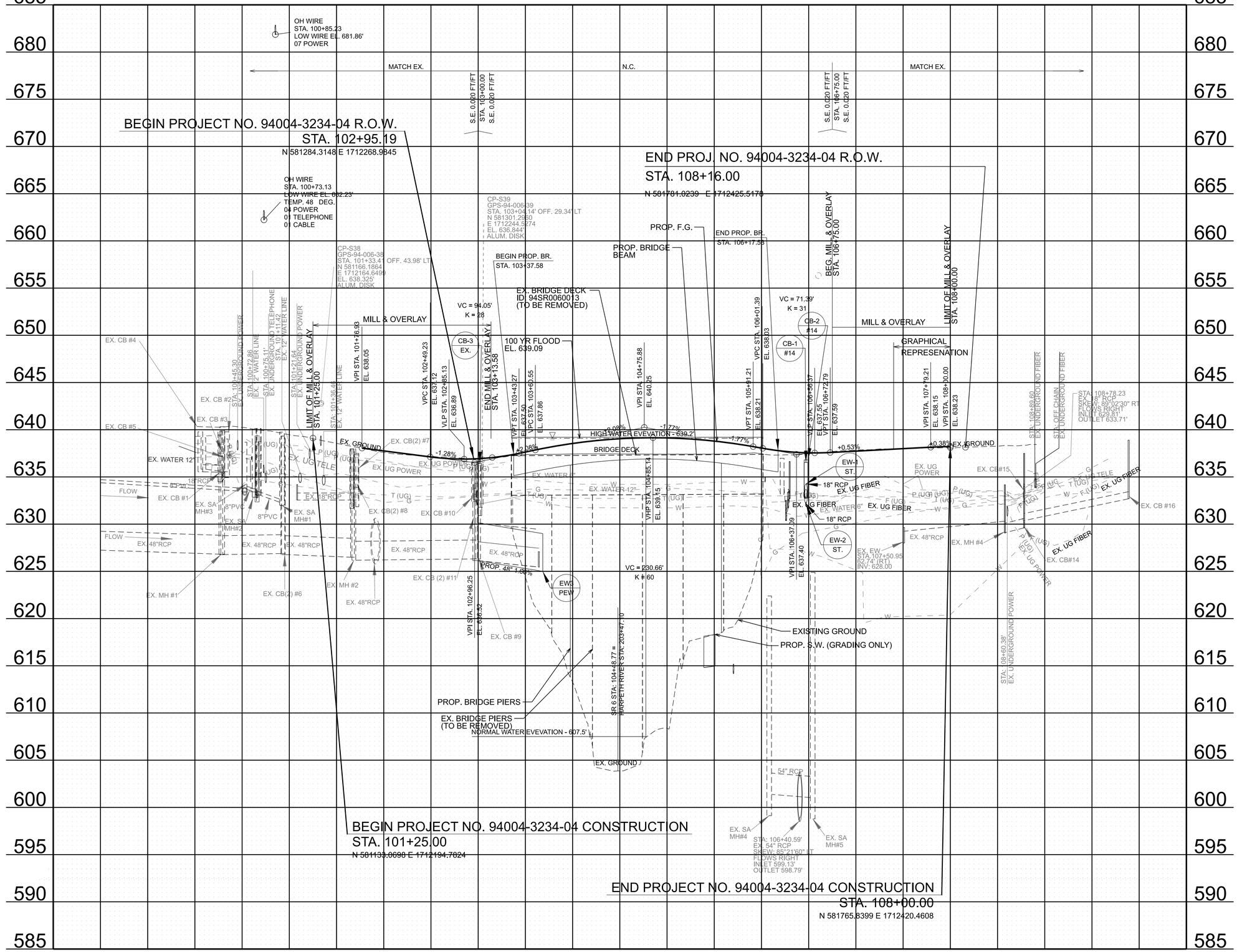
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	4C
PIH	2025	94004-3234-04	4C
PS&E	2026	94004-3234-04	4C

REV. 09-30-25 UPDATED SURVEY.



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REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 124933
STATE OF TENNESSEE

4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED
PROFILE

STA. 98+50.00 TO STA. 110+50.00

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	4D
PIH	2025	94004-3234-04	4D
PS&E	2026	94004-3234-04	4D

REV. 09-30-25 UPDATED SURVEY.

BEGIN PROJECT NO. 94004-2234-04 R.O.W.
STA. 102+95.19 SR6
N 581284.3148' E 1712268.9845'

END PROJECT NO. 94004-2234-04 R.O.W.
STA. 108+16.00 SR6
N 581781.0239 E 1712425.5178

BEGIN PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 101+25.00 SR6
N 581133.0698 E 1712194.7824

END PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 108+00.00 SR6
N 581765.8399 E 1712420.4608
L.O.C./END MILL & OVERLAY
STA. 108+00.00

HARPETH APARTMENT ASSOCIATES, LLC.
FIRST AND MAIN, LLC
ALVA JEFFERSON BETHURUM
ST. PHILIP CATHOLIC CHURCH
1ST AND MAIN, LLC
BATTLE GROUND ACADEMY
HARPETH RIVER (NAVIGABLE) STR-1
LIBERTY CREEK STR-2
100
105
110

STA. 100+00.00
N 581057.8819
E 1712101.2877

XLW
STA. 100+73.13
EL. 662.23'

XLW STA. 100+85.23 EL. 681.86'

L.O.C./BEG. MILL & OVERLAY
STA. 101+25.00

STA. 111+59.69
N 582091.0824
E 1712572.0264

HAUL RD WEST
STA. 10+00.00
N 581,700.1284
E 1,712,376.0539

HAUL RD WEST
LIMIT OF CONST.
STA. 12+37.38
N 581,542.7742
E 1,712,345.7413

HAUL RD WEST
LIMIT OF CONST.
STA. 22+43.74
N 581,525.6938
E 1,712,376.0719

HAUL RD EAST
STA. 20+00.00
N 581,686.5638
E 1,712,419.6638

EX. SA MH#6
TOP-622.77
INV-598.56
BOT-598.56

EX. SA MH#5
TOP-624.89
INV-598.79
INV-598.69
BOT-598.69

EX. SA MH#3
TOP-639.75
INV-631.99
BOT-631.99

EX. SA MH#2
TOP-640.12
INV-633.07
INV-633.02
INV-632.85
BOT-632.85

EX. SA MH#1
TOP-638.68
INV-633.34
BOT-633.34

EX. SA MH#4
TOP-622.39
INV-599.13
BOT-599.13

MH SAN SEWER
TOP-621.70
INV-UNK
FULL OF WATER
ABANDONED

TO BE REMOVED

CATHODIC PROTECTION TEST STATION

PROPOSED HAUL ROAD
(REFER TO SHEET 2G3 REGARDING REMOVAL AND RESTORATION)

POWER MH
TOP-637.95

POWER MH
TOP-637.93

FIBER (3)

TRANSFORMER

FIBER (2)

WINDSTREAM

SIGNAL BOOSTER

TRANSFORMERS (2)

COMCAST/ CENTURYLINK/ WINDSTREAM/ XO COMM/ C.O.F.

CANTILEVER SIGN TO REMAIN ELECTRICAL CONNECTION TO BE REPLACED

CLEAN OUT

STUB OUT

S.R. 6 / FRANKLIN RD. (ASP.)

1ST AVE. SOUTH (ASP.)

EAST MAIN ST.

6-SPAN CONC. BRIDGE TO BE REMOVED

54"RCP

48"RCP

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AUSTIN BIGGS
REGISTERED ENGINEER
No. 126955
STATE OF TENNESSEE
4/9/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT UTILITIES LAYOUT

STA. 100+00.00 TO STA. 111+59.69
SCALE: 1" = 50'

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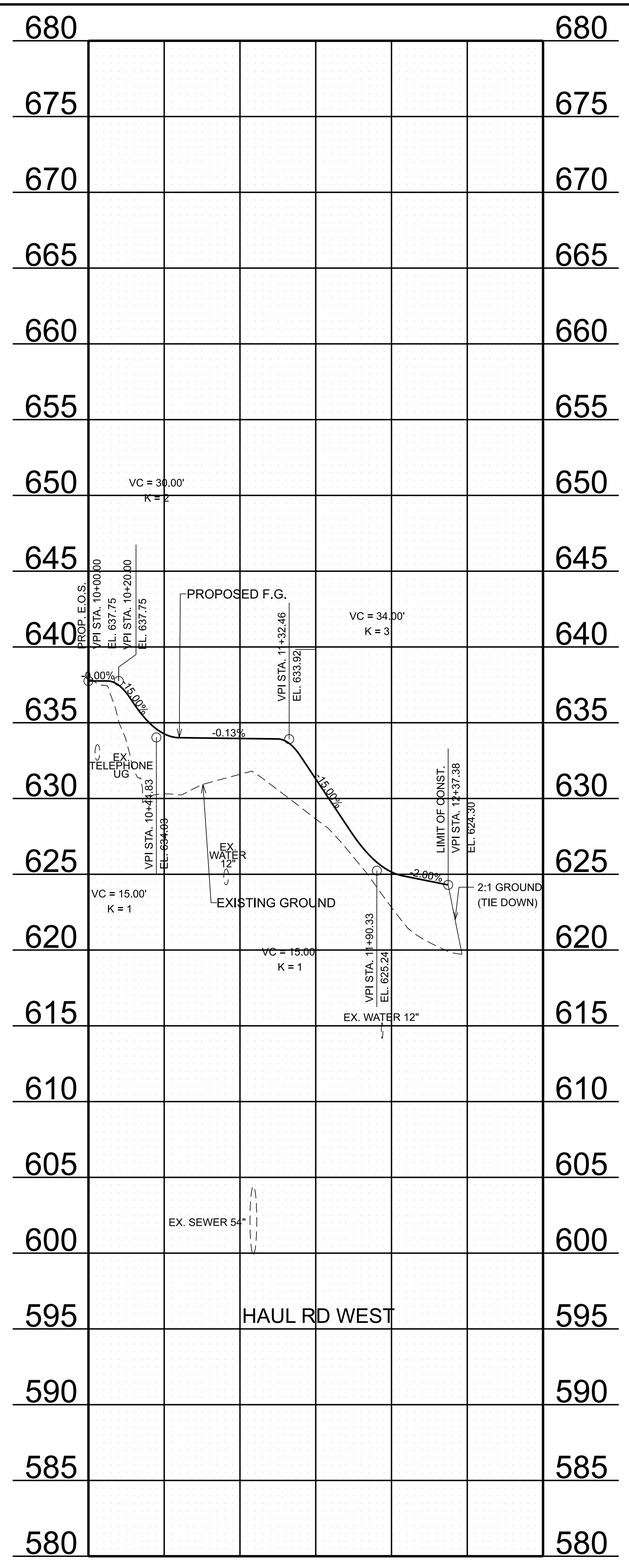

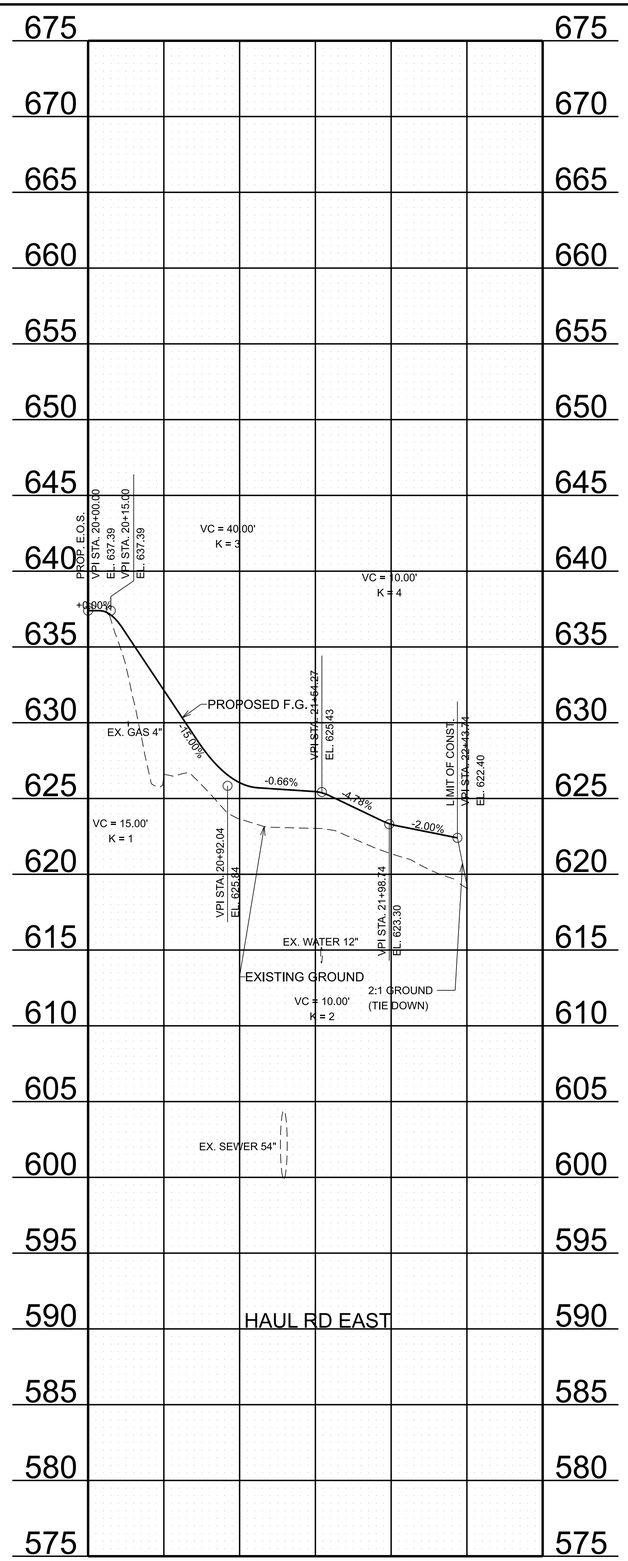

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	5
PIH	2025	94004-3234-04	5
PS&E	2026	94004-3234-04	5

REV. 09-30-25 ADDED UTILITIES TO PROFILES.

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AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 135555
STATE OF TENNESSEE

4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAUL ROAD PROFILES

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

3/23/2026 7:55:10 AM
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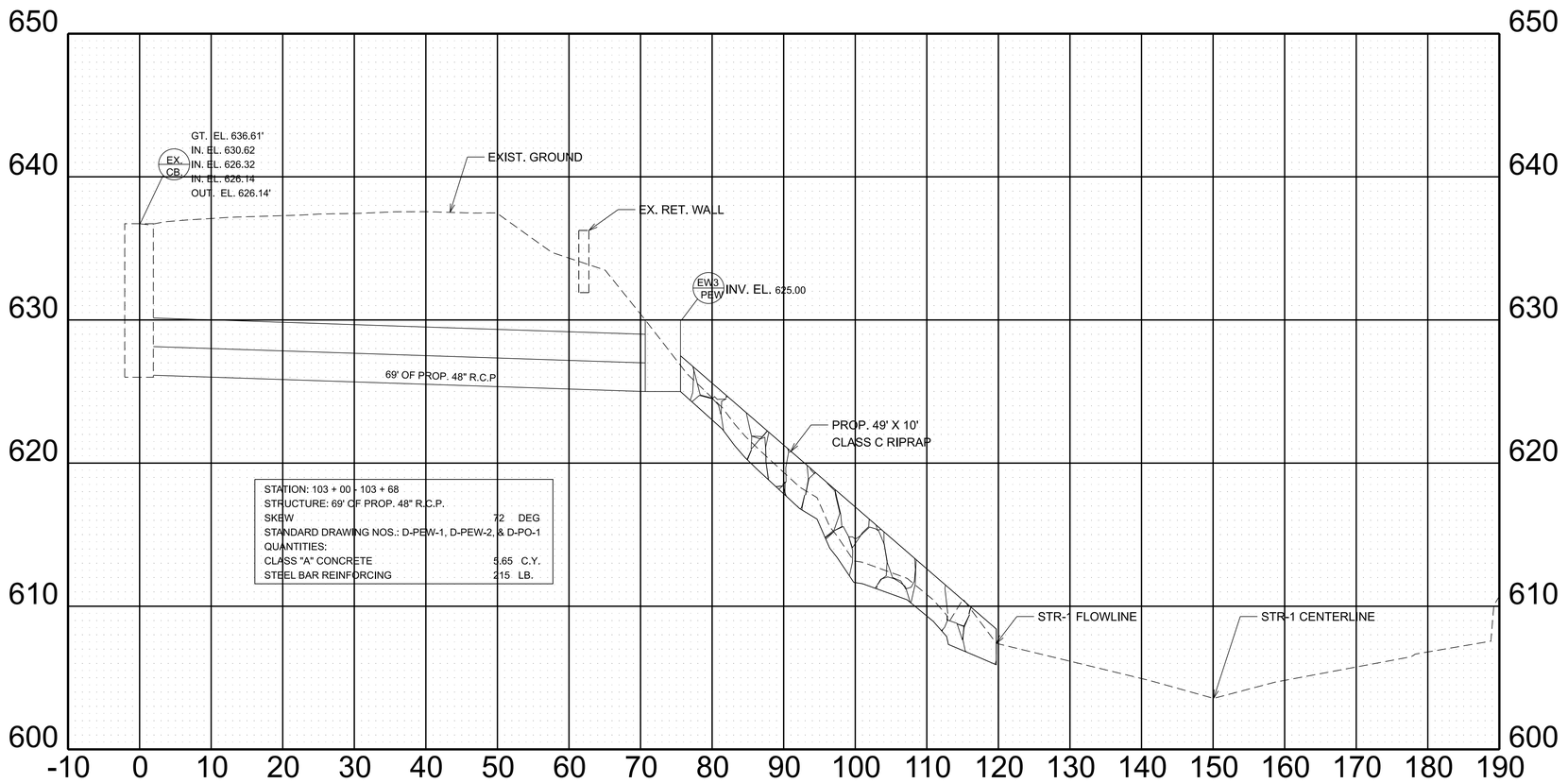
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	5A
PIH	2025	94004-3234-04	5A
PS&E	2026	94004-3234-04	5A

REV. 07/29/25 REVISED RETAINING WALL 1.



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AGRICULTURE
COMMERCE
No. 126995
STATE OF TENNESSEE

4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS SECTION

SCALE: 1" = 10' HORIZ.
1" = 5' VERT.

3/23/2026 7:55:25 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	6
PIH	2025	94004-3234-04	6
PS&E	2026	94004-3234-04	6

BEGIN PROJECT NO. 94004-2234-04 R.O.W.
STA. 102+95.19 SR6
N 581284.3148' E 1712268.9845'

END PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 108+00.00
N 581765.8397 E 1712420.4613

END PROJECT NO. 94004-2234-04 R.O.W.
STA. 108+16.00 SR6
N 581781.0239 E 1712425.5178

BEGIN PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 101+25.00
N 581133.0698 E 1712194.7824

AREA = 19.38 ACRES
Q100 = 59 CFS

AREA = 124,583.65 ACRES
Q100 = 30100 CFS

PROPOSED HAUL ROAD

HAUL RD WEST
STA. 10+00.00
N 581,700.1284
E 1,712,376.0539

HAUL RD WEST
STA. 12+37.38
N 581,542.7742
E 1,712,315.7413

HAUL RD EAST
STA. 20+00.00
N 581,686.5638
E 1,712,419.6638

HAUL RD EAST
STA. 22+43.74
N 581,535.6938
E 1,712,376.0719

STA. 100+04.00
N 581,097.8819
E 1,712,101.2877

STA. 111+59.69
N 582091.0824
E 1712572.0264

1ST AVE. NORTH (ASP.)
1ST AVE. SOUTH (ASP.)
HARPETH RIVER
STR-1
STR-2
LIBERTY CREEK
S.R. 6 / EAST MAIN STREET
PROP. 48"
N36° 53' 46"E
N15° 50' 03"E
N17° 10' 30"E
S69° 22' 39"E
100
105
110

PROJECT LOCATION

AREA = 124,583.65 ACRES
Q100 = 30100 CFS

NOT TO SCALE

SEALED BY

AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 126985
STATE OF TENNESSEE

4/9/2026

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00008 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID G2012BU7.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

SCALE: 1" = 100'

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EPSC NOTES

EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

INSPECTION, MAINTENANCE & REPAIR

(1) REFER TO THE STORM WATER POLLUTION AND PREVENTION PLAN SHEET SERIES (S-1) FOR SWPPP, PERMITS, AND RECORDS NOTES.

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

(2) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT LITTER AND CONSTRUCTION WASTES FROM ENTERING WATERS OF THE STATE/U.S. THESE MATERIALS SHALL BE REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFFSITE BY WIND, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES. AFTER USE, MATERIALS USED FOR EPSC SHALL BE REMOVED FROM THE SITE.

(3) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO ENSURE THAT PETROLEUM PRODUCTS OR OTHER CHEMICAL POLLUTANTS ARE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. ALL EQUIPMENT REFUELING, SERVICING, AND STAGING AREAS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS, RULES, REGULATIONS, AND ORDINANCES, INCLUDING THOSE OF THE NATIONAL FIRE PROTECTION ASSOCIATION. APPROPRIATE CONTAINMENT MEASURES FOR THESE AREAS SHALL BE USED.

(4) CONTRACTORS SHALL PROVIDE DESIGNATED TRUCK WASHOUT AREAS ON THE SITE. THESE AREAS MUST BE SELF CONTAINED, NOT CONNECTED TO ANY STORMWATER OUTLET OF THE SITE, AND PROPERLY SIGNED. WASH DOWN OR WASTE DISCHARGE OF CONCRETE TRUCKS SHALL NOT BE PERMITTED ONSITE UNLESS PROPER SETTLEMENT AREAS HAVE BEEN PROVIDED IN ACCORDANCE WITH BOTH STATE AND FEDERAL REGULATIONS.

(5) WHEEL WASH WATER SHALL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER SHALL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM.

(6) IF PORTABLE SANITARY FACILITIES ARE PROVIDED ON CONSTRUCTION SITES, SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY REGULATIONS. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF SANITARY WASTE.

(7) ONLY CONSTRUCTION PRODUCTS NEEDED SHALL BE STORED ONSITE BY THE CONTRACTOR. THE CONTRACTOR SHALL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS. PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING SHALL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR'S RESPONSIBLE PARTY SHALL INSPECT MATERIALS STORAGE AREAS REGULARLY TO ENSURE PROPER USE AND DISPOSAL.

(8) WHEN POSSIBLE, ALL PRODUCTS SHALL BE USED COMPLETELY BEFORE PROPERLY DISPOSING OF THE CONTAINER OFFSITE. THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS SHALL BE FOLLOWED.

(9) ALL PAINT CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.

(10) ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN A MANNER WHICH IS COMPLIANT WITH LOCAL OR STATE REGULATIONS. SITE PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES, AND THE INDIVIDUAL DESIGNATED AS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF HAZARDOUS MATERIAL.

(11) OPEN BURNING IS PROHIBITED UNLESS IT IS SPECIFICALLY ALLOWED BY LAW. IF ALLOWED, NATURAL VEGETATION, TREES, AND UNTREATED LUMBER SHALL BE THE ONLY MATERIALS THAT CAN BE OPEN BURNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE STATE AND LOCAL PERMITS PRIOR TO ANY BURNING.

(12) DISPOSAL OF ONSITE VEGETATION AND TREES BY CHIPPING THEM INTO MULCH IS PREFERABLE TO OPEN BURNING. THIS MULCH MAY BE USED AS AN ONSITE SOIL STABILIZATION MEASURE WHERE APPROPRIATE.

(13) WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR. IMPACTS TO WATERS OF THE STATE/U.S. SHALL BE AVOIDED IF POSSIBLE. IF UNAVOIDABLE, THE CONTRACTOR WILL OBTAIN ANY AND ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO NPDES, AQUATIC RESOURCES ALTERATION PERMIT(S), CORPS OF ENGINEERS SECTION 404 PERMITS, AND TVA SECTION 26A PERMITS TO DISPOSE OF WASTE MATERIALS.

STREAMS, WETLANDS & BUFFER ZONES

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	7
PIH	2025	94004-3234-04	7
PS&E	2026	94004-3234-04	7

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4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	7A
PIH	2025	94004-3234-04	7A
PS&E	2026	94004-3234-04	7A

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

	SYMBOL	ITEM	STD. DWG.
	✳ HVF ✳ HVF	HIGH VISIBILITY FENCE	S-F-1
	SFB✳ ✳SFB ✳SFB✳ SFB✳	SEDIMENT FILTER BAG	EC-STR-2
(A)	✳ SFB✳ SFB✳	SILT FENCE WITH WIRE BACKING	EC-STR-3C
		ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	D	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19
(C)	TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
	π π π π π π	TEMPORARY BERM	EC-STR-27
	IN DIV	INSTREAM DIVERSION	EC-STR-30 EC-STR-30A
		TEMPORARY DIVERSION CHANNEL (SEE NOTE 9 FOR SIZE AND TYPE OF LINING)	EC-STR-31
(A)	✳✳ TUBE ✳✳ TUBE	SEDIMENT TUBE	EC-STR-37
	4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A
	7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47

EPSC QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(2) (8)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	114
(8)	209-05	SEDIMENT REMOVAL	C.Y.	28
(3) (8)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	2313
(3) (8)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	5
(3)(8)	209-09.04	SEDIMENT FILTER BAG (15' X 10')	EACH	3
(3) (8)	209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	15
(3) (8)	209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.	1226
(3) (8)	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	3
(3) (8)	209-40.47	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EACH	3
(3) (8) (9)	209-65.03	TEMPORARY DIVERSION CHANNEL	L.F.	315
(1) (3) (8)	209-65.04	TEMPORARY IN STREAM DIVERSION	L.F.	509
(3) (4) (8)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	13
(3) (8)	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	708
(3) (5) (8)	709-05.05	MACHINED RIPRAP (CLASS A-3)	TON	150
(3) (7) (8)	709-05.06	MACHINED RIPRAP (CLASS A-1)	TON	846
(3) (6) (8)	740-10.03	GEOTEXTILE (TYPE III) (EROSION CONTROL)	S.Y.	1668
(3) (8)	740-11.03	TEMPORARY SEDIMENT TUBE 18 IN	L.F.	457
(3) (8)	801-01	SEEDING (WITH MULCH)	UNIT	31
(3) (8)	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	40
(11)	801-01.35	GRASS SEED MIX (RIPZN/FLPL) W/MULCH	UNIT	15
(10)	801-01.38	NATVE SEED MX FINAL STABLIZATN OF SLOPES	UNIT	5
(3) (8)	801-02	SEEDING (WITHOUT MULCH)	UNIT	1
(3) (8)	801-03	WATER (SEEDING & SODDING)	M.G.	17
(3) (8)	803-01	SODDING (NEW SOD)	S.Y.	286

FOOTNOTES:

(1) TO BE USED AS DIRECTED BY THE ENGINEER IN CONJUNCTION WITH COFFERDAMS AND PER STANDARD DRAWING EC-STR-30 & EC-STR-30A GUIDELINES.

(2) ITEM INCLUDES 22 C.Y. FOR TEMP. CONST. EXITS, AND 92 C.Y. TEMP SLOPE BERM.

(3) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.

(4) ITEM INCLUDES 13 TONS FOR SEDIMENT FILTER BAG.

(5) ITEM INLCUDES 150 TONS FOR TEMP. CONST. EXITS.

(6) ITEM INCLUDES 100 S.Y. FOR SEDIMENT FILTER BAG, 1310 S.Y. TEMP. DIVERSION DITCH, AND 258 TEMP CONST. EXITS.

(7) ITEM INCLUDES 846 TONS FOR TEMP. DIVERSION DITCH.

(8) ALL EROSION AND SEDIMENT CONTROL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.

(9) DIVERSION DITCH IS TO BE CONSTRUCTED WITH 2:1 SIDE SLOPE 2' OF DEPTH AND A 2' WIDE FLAT BOTTOM AND TO BE LINED WITH GEOTEXTILE FABRIC.

(10) 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 NATIVES 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.

(11) ITEM TO BE USED FOR STREAM BUFFER ZONE.

(A) APPLY J-HOOKS WHEN NOT PARALLEL WITH CONTOURS.

(B) 18.58 ACRES FROM OFFSITE STROM SYSTEM.

(C) TO BE LOCATED AS DIRECTED BY THE ENGINEER

STAGE 1 STORM WATER OUTFALLS		
OUTFALL NO.	AREA (AC.)	AVERAGE SLOPE
1A	0.10	1.87%
1B	0.15	1.36%
1C	0.37	1.16%
1D	0.18	1.29%
1E	1.18	1.29%
(B) 1	19.38	2.70%
2	0.61	6.77%
3	2.58	5.17%

STAGE 2 STORM WATER OUTFALLS		
OUTFALL NO.	AREA (AC.)	AVERAGE SLOPE
2	0.61	6.77%
3	2.58	5.17%
4A	0.10	1.87%
4B	0.15	1.36%
4C	0.37	1.16%
4D	0.18	1.29%
4E	1.18	1.29%
(B) 4	19.38	2.70%

STAGE 3 STORM WATER OUTFALLS		
OUTFALL NO.	AREA (AC.)	AVERAGE SLOPE
4A	0.10	1.87%
4B	0.15	1.36%
4C	0.37	1.16%
4D	0.18	1.29%
4E	1.18	1.29%
(B) 4	19.38	2.70%

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4/9/2026

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) LEGEND & TABULATION

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	8
PIH	2025	94004-3234-04	8
PS&E	2026	94004-3234-04	8

BEGIN PROJECT NO. 94004-2234-04 R.O.W.
STA. 102+95.19 SR6
N 581284.3148' E 1712268.9845'

END PROJECT NO. 94004-2234-04 R.O.W.
STA. 108+16.00 SR6
N 581781.0239 E 1712425.5178

STA. 100+00.00
N 581057.8819
E 1712101.2877

STA. 111+59.69
N 582091.0824
E 1712572.0264

END PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 108+00.00 SR6
N 581765.8399 E 1712420.4608
L.O.C./END MILL & OVERLAY
STA. 108+00.00

L.O.C./BEG. MILL & OVERLAY
STA. 101+25.00

BEGIN PROJECT NO. 94004-3234-04
CONSTRUCTION
STA. 101+25.00 SR6
N 581133.0698 E 1712194.7824

NOTE: HAUL ROAD & IN STREAM DIVERSIONS TO BE STAGGERED AS TO NOT BLOCK MORE THAN 1/3 OF THE STREAM WIDTH AT ANY GIVEN TIME.

PROPOSED HAUL ROAD
(REFER TO SHEET 2G3 REGARDING REMOVAL AND RESTORATION)

EXISTING CONTOURS

OUT - 1A
OUT-1E
OUT - 1
OUT - 1B
OUT - 1C
OUT - 1D
OUT - 2
OUT - 3

GRADE TO DRAIN
GRADE TO DRAIN
TEMP. DITCH TO BE LINED WITH GEOTEXTILE FABRIC

HARPETH RIVER (NAVIGABLE) STR-1
LIBERTY CREEK STR-2
TOP OF BANK

1ST AVE. NORTH (ASP.)
1ST AVE. SOUTH (ASP.)
S.R. 6 / EAST MAIN STREET (ASP.)
S.R. 6 / FRANKLIN RD. (ASP.)
HAUL RD WEST
HAUL RD EAST
PRES. R.O.W.

N36°39'46"E
N15°59'03"E
N17°19'30"E
N17°56'36"E
N31°51'26"E
S36°00'06"W
S18°27'59"W

105
110
100

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AGRICULTURE
COMMERCE
No. 126995
STATE OF TENNESSEE

4/9/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS-STAGE 1

STA. 100+00.00 TO STA. 111+59.69
SCALE: 1" = 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	9
PIH	2025	94004-3234-04	9
PS&E	2026	94004-3234-04	9

REV. 07/29/25 REVISED RIGHT OF WAY AQUISITION FOR TRACT 4, REDUCED RETAINING WALL AND REMOVED PROP. CONCRETE FLATWORK.

BEGIN PROJECT NO. 94004-2234-04 R.O.W.
STA. 102+95.19 SR6
N 581284.3148' E 1712268.9845'

STA. 100+00.00
N 581057.8819
E 1712101.2877

STA. 111+59.69
N 582091.0824
E 1712572.0264

END PROJECT NO. 94004-2234-04 R.O.W.
STA. 108+16.00 SR6
N 581781.0239 E 1712425.5178

NOTE: PIPE, ENDWALL & RIPRAP TO BE CONSTRUCTED IN THE DRY

END STR-1 IMPACT
STA. 104+47.72
52.61' LT

BEG. STR-1 IMPACT
STA. 104+47.44
OFF 31.19' RT

GRADE TO DRAIN

TEMP. DITCH TO BE LINED WITH GEOTEXTILE FABRIC

GRADE TO DRAIN

END PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 108+00.00 SR6
N 581765.8399 E 1712420.4608
L.O.C./END MILL & OVERLAY
STA. 108+00.00

L.O.C./BEG. MILL & OVERLAY
STA. 101+25.00

BEGIN PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 101+25.00 SR6
N 581133.0698 E 1712194.7824

NOTE: HAUL ROAD & IN STREAM DIVERSIONS TO BE STAGGERED AS TO NOT BLOCK MORE THAN 1/3 OF THE STREAM WIDTH AT ANY GIVEN TIME.

INSTREAM DIVERSION FOR COFFERDAM NEEDED DURING EXISTING PIER REMOVAL AND PROPOSED PIER CONSTRUCTION.

PROPOSED HAUL ROAD
(REFER TO SHEET 2G3 REGARDING REMOVAL AND RESTORATION)

PROPOSED CONTOURS

HARPETH RIVER (NAVIGABLE) STR-1

LIBERTY CREEK STR-2

1ST AVE. NORTH (ASP.)

1ST AVE. SOUTH (ASP.)

S.R. 6 / EAST MAIN STREET (ASP.)

S.R. 6 / FRANKLIN RD. (ASP.)

HAUL RD WEST S36°00'06"W

HAUL RD EAST S18°27'59"W

N17°56'36"E SR6

N31°51'26"E

N36°52'46"E

N60°10'13"E

N15°59'08"E

N17°43'30"E

N17°43'20"W

OUT - 2, OUT - 3, OUT - 4, OUT - 4A, OUT - 4B, OUT - 4C, OUT - 4D, OUT - 4E

TCE

PRES. R.O.W.

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STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLAN-STAGE 2

STA. 100+00.00 TO STA. 111+59.69
SCALE: 1" = 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	10
PIH	2025	94004-3234-04	10
PS&E	2026	94004-3234-04	10

REV. 07/29/25 REVISED RIGHT OF WAY AQUISITION FOR TRACT 4. REDUCED RETAINING WALL AND REMOVED PROP. CONCRETE FLATWORK.

BEGIN PROJECT NO. 94004-2234-04 R.O.W.
STA. 102+95.19 SR6
N 581284.3148' E 1712268.9845'

STA. 100+00.00
N 581057.8819
E 1712101.2877

STA. 111+59.69
N 582091.0824
E 1712572.0264

END PROJECT NO. 94004-2234-04 R.O.W.
STA. 108+16.00 SR6
N 581781.0239 E 1712425.5178

END PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 108+00.00 SR6
N 581765.8399 E 1712420.4608
L.O.C./END MILL & OVERLAY
STA. 108+00.00

L.O.C./BEG. MILL & OVERLAY
STA. 101+25.00

BEGIN PROJECT NO. 94004-3234-04
CONSTRUCTION
STA. 101+25.00 SR6
N 581133.0698 E 1712194.7824

OUT - 4A
OUT - 4B
OUT - 4C
OUT - 4D
OUT - 4E
OUT - 4

100
105
110

1ST AVE. NORTH (ASP.)
1ST AVE. SOUTH (ASP.)
S.R. 6 / EAST MAIN STREET (ASP.)
S.R. 6 / FRANKLIN RD. (ASP.)
HARPETH RIVER (NAVIGABLE) STR-1
LIBERTY CREEK STR-2

N60°10'13"E SR6
N36°52'46"E
N15°59'05"E
N17°56'36"E SR6
N37°11'30"E
N31°51'26"E

PROPOSED CONTOURS

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COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLAN-STAGE 3

STA. 100+00.00 TO STA. 111+59.69
SCALE: 1" = 50'

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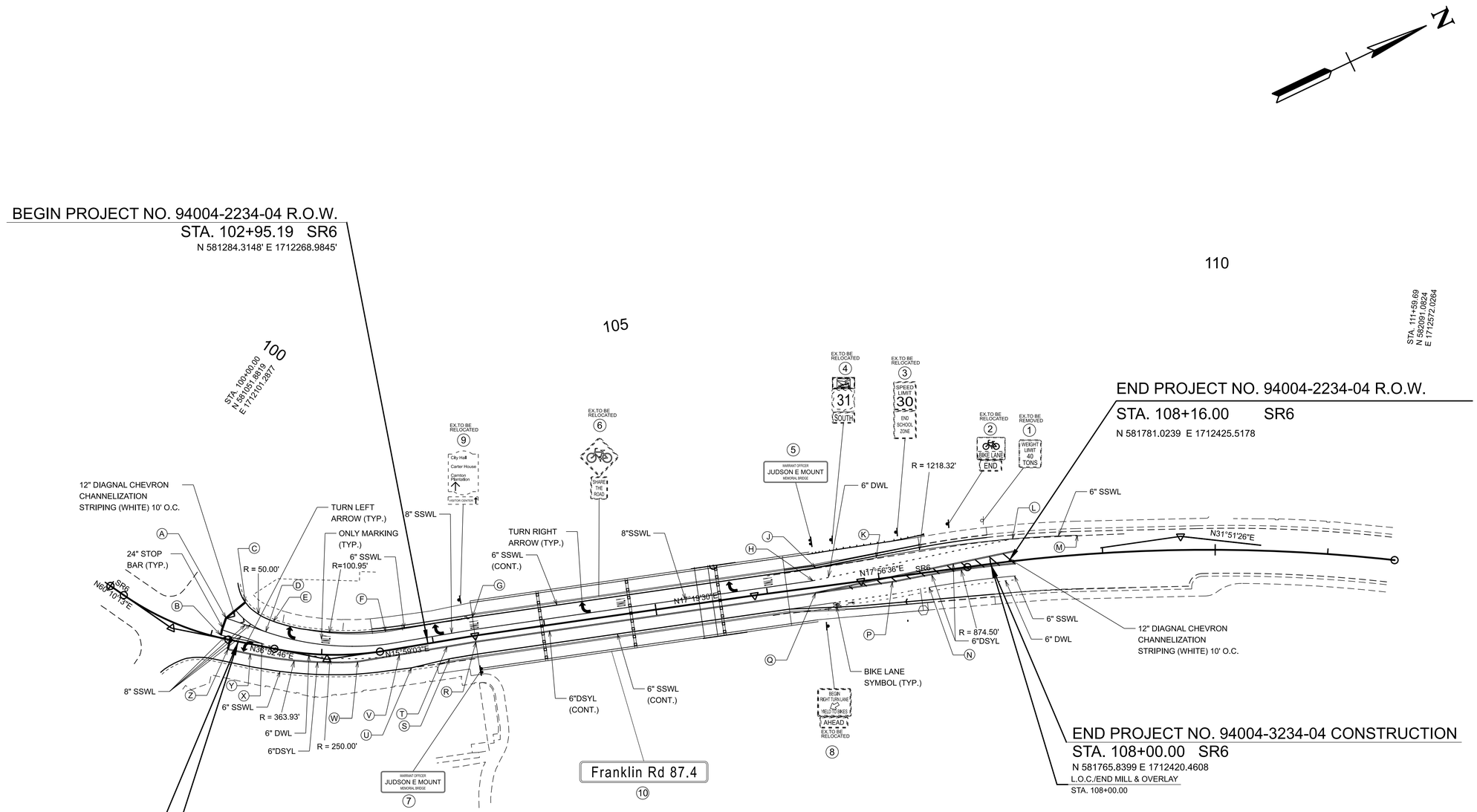
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	11
PIH	2025	94004-2234-04	11
PS&E	2026	94004-3234-04	11



PAVEMENT MARKING STAKEOUT					
CODE	STATION	OFFSET	CODE	STATION	OFFSET
A	101+09.76	18.22' LT.	N	107+43.02	13.41' RT.
B	101+08.41	2.41' LT.	P	107+11.42	4.17' RT.
C	101+24.28	35.41' LT.	Q	106+42.54	4.89 RT.
D	101+47.24	13.26' LT.	R	103+37.45	5.50' RT.
E	101+52.10	23.74' LT.	S	103+11.92	16.50' RT.
F	102+59.91	16.50' LT.	T	103+11.58	5.50' RT.
G	103+37.58	16.50' LT.	U	102+77.26	18.91' RT.
H	106+41.72	6.08' LT.	V	102+68.62	5.67' RT.
J	106+45.56	17.11' LT.	W	102+31.59	6.73' RT.
K	106+99.91	18.91' LT.	X	101+45.99	2.34' LT.
L	108+21.97	19.70' LT.	Y	101+37.54	8.72' RT.
M	108+78.70	17.36' LT.	Z	101+17.31	8.58' RT.

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COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 100+00.00 TO STA. 111+59.69
SCALE: 1" = 50'

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ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SIGN NO	LEGEND	SHEET NO	SIZE				COPY			SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. CU. YD.	REIN STEEL LBS.		
1	EX. R12-1	11																			EXISTING TO BE REMOVED
2	EX. R3-17 EX. R3-17b	11	24" 24"	30" 18"											SQUARE TUBE	14.50'				7'	SEE SHEET 2G FOR SIGN POST DETAILS
3	EX. R2-1 EX. S5-2	11	24" 24"	30" 30"											SQUARE TUBE	15.50				7'	SEE SHEET 2G FOR SIGN POST DETAILS
4	EX. TN-22a EX M1-4.2 EX. M3-3	11	24" 24" 24"	12" 24" 12"											SQUARE TUBE	15.00'				7'	SEE SHEET 2G FOR SIGN POST DETAILS
6	EX. W11-1 EX. W16-1P	11	24" 18"	24" 24"												6.3'				4'	CONTRACTOR TO USE STD. DWG. T-S-21 FOR DETAILS TO MOUNT TO CONCRETE BARRIER. ITEM NO. 713-30.09 TO INCLUDE THE BASE PLATE, SIGN POST, ANCHOR BOLTS, AND WELDING PER EACH LOCATION.
5 7	WARRANT OFFICER JUDSON E MOUNT MEMORIAL BRIDGE TN-26	11	72"	24"	2.3"	0.8"	3" 5" 3"		C			WHITE (REF.)	GREEN (REF.)	0.100" SHEET ALUMINUM	SQUARE TUBE	2 @ 12.50'				7'	SEE SHEET 2G FOR SIGN POST DETAILS
8	EX. R4-4 EX. R3-17a	11	36" 24"	30" 8"											SQUARE TUBE	13.75'				7'	SEE SHEET 2G FOR SIGN POST DETAILS

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	12
PIH	2025	94004-3234-04	12
PS&E	2026	94004-3234-04	12

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DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE SHEET

3/23/2026 7:58:21 AM
$$$$SDGNSPEC

ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS
DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SIGN NO	LEGEND	SHEET NO	SIZE				COPY			SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. CU. YD.	REIN STEEL LBS.		
9	City Hall Carter House Carnton Plantation VISITOR CENTER	11																			EXISTING TO BE REPLACED
10	Franklin Rd 87.4 TN-45d	11	144"	24"	6.0"	1.5"	12"		E			WHITE (REF.)	BLUE (REF.)	0.100" SHEET ALUMINIUM							

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	12A
PIH	2025	94004-3234-04	12A
PS&E	2026	94004-3234-04	12A

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4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGN
SCHEDULE
SHEET

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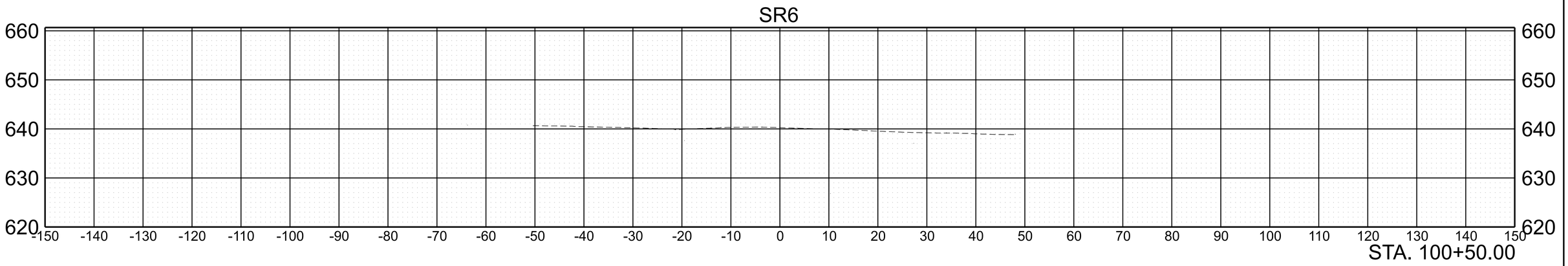
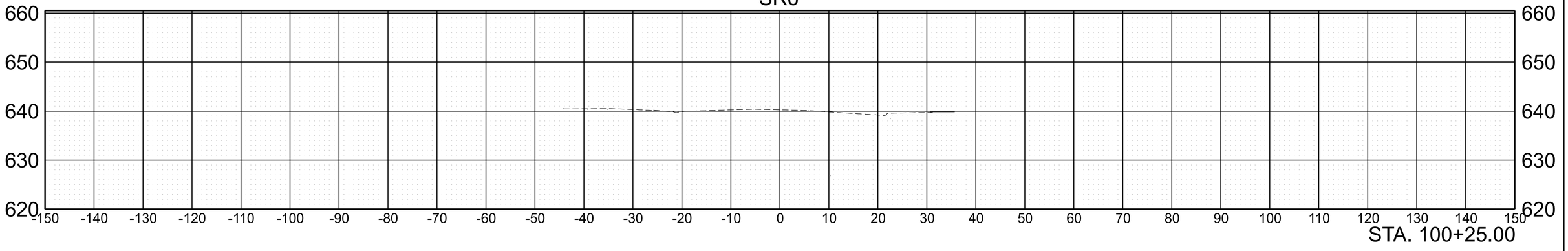
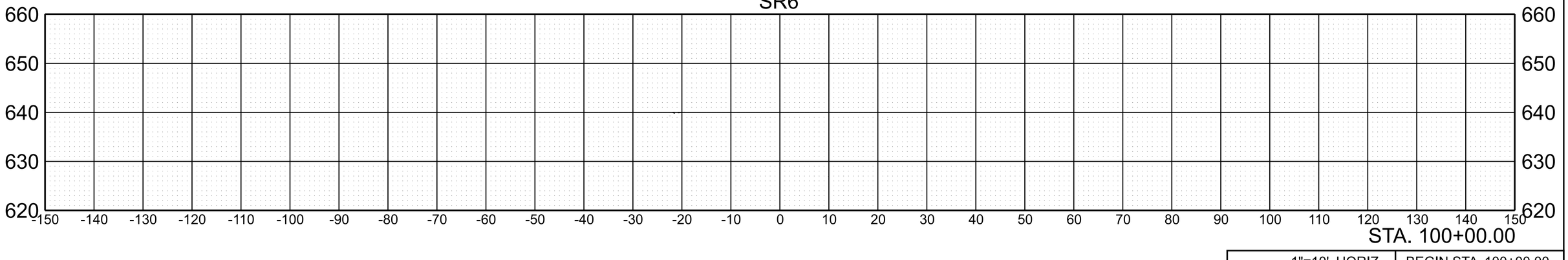
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	13
PIH	2025	94004-3234-04	13
PS&E	2026	94004-3234-04	13







SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 100+00.00 END STA. 100+50.00

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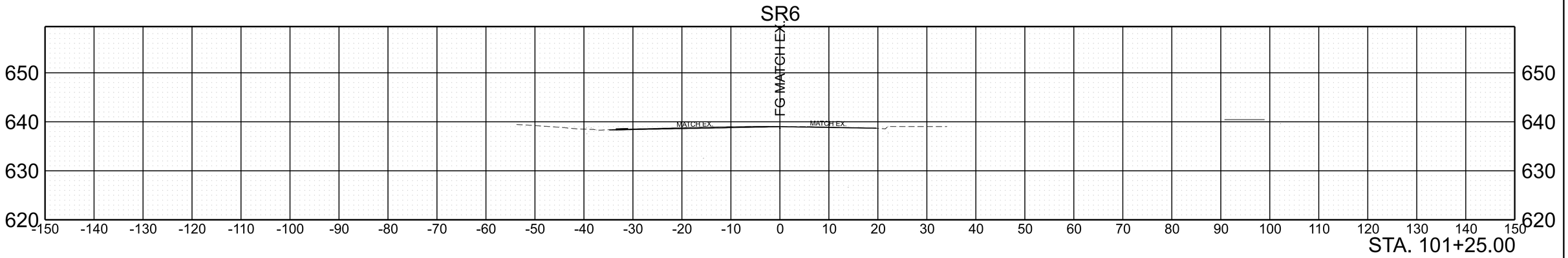
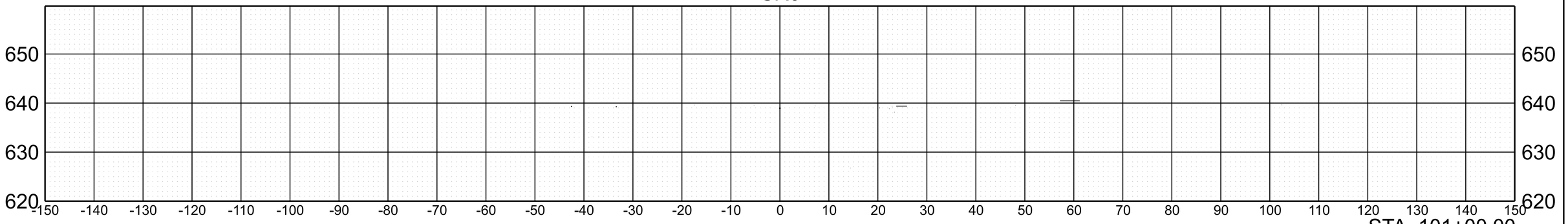
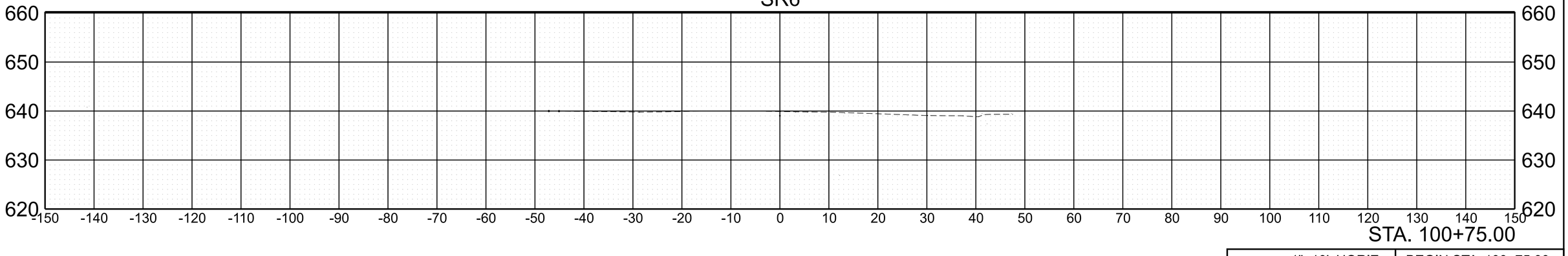
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	14
PIH	2025	94004-3234-04	14
PS&E	2026	94004-3234-04	14







SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 100+75.00 END STA. 101+25.00

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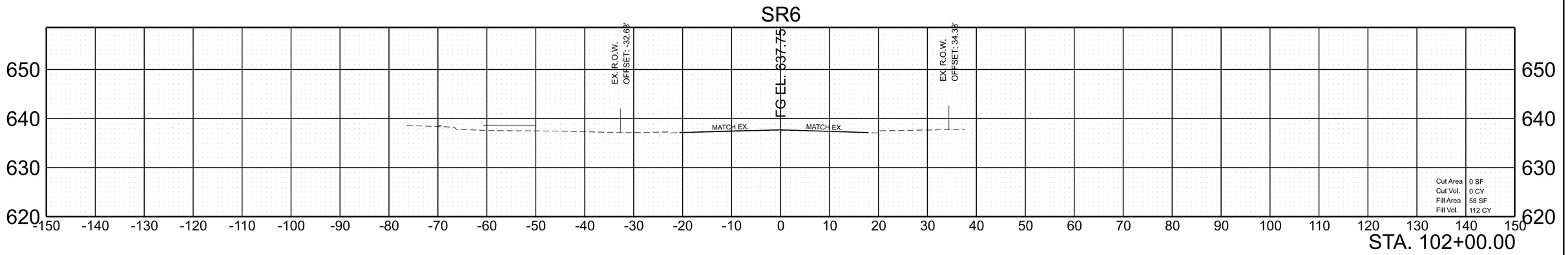
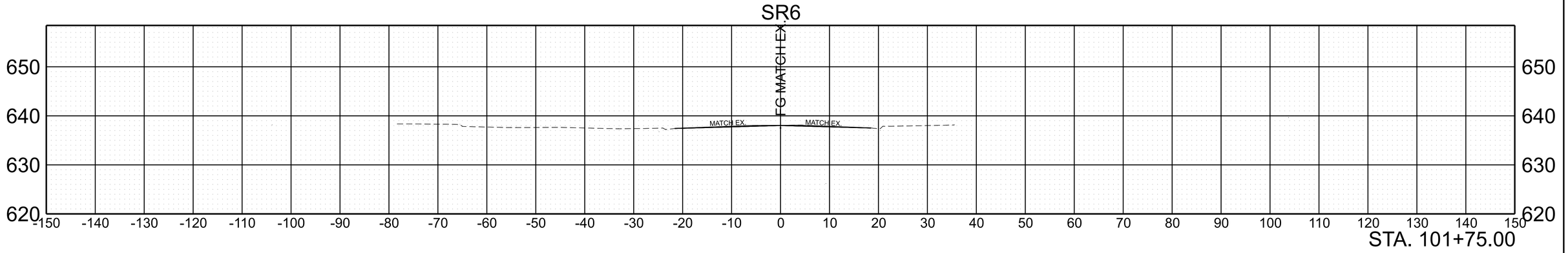
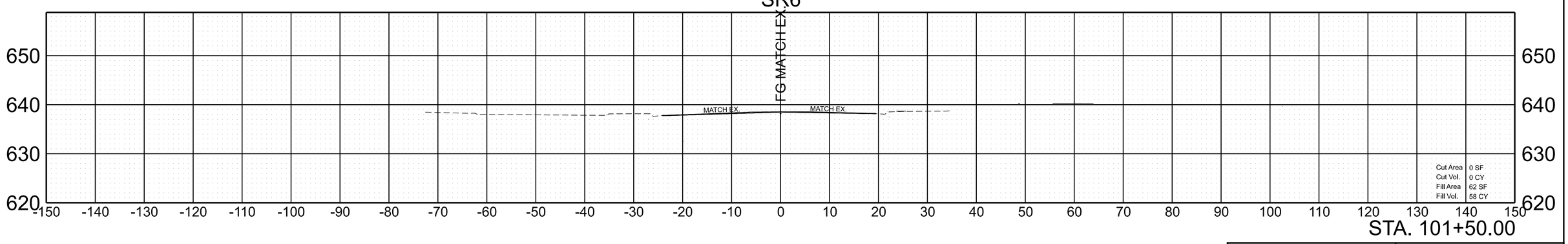
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	15
PIH	2025	94004-3234-04	15
PS&E	2026	94004-3234-04	15



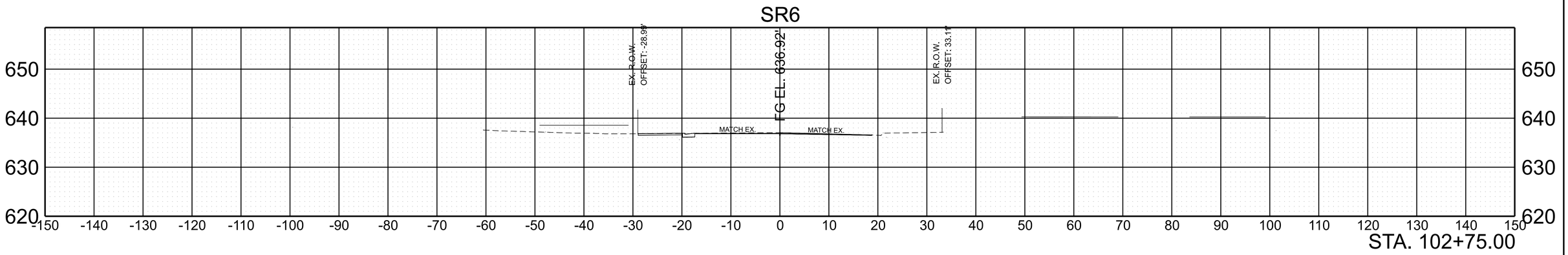


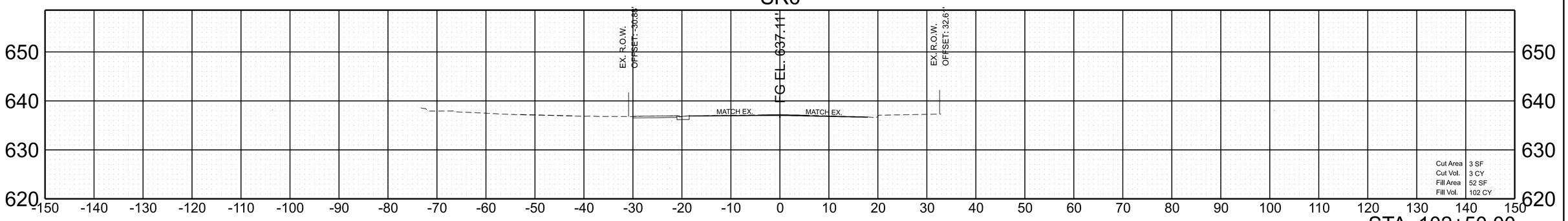


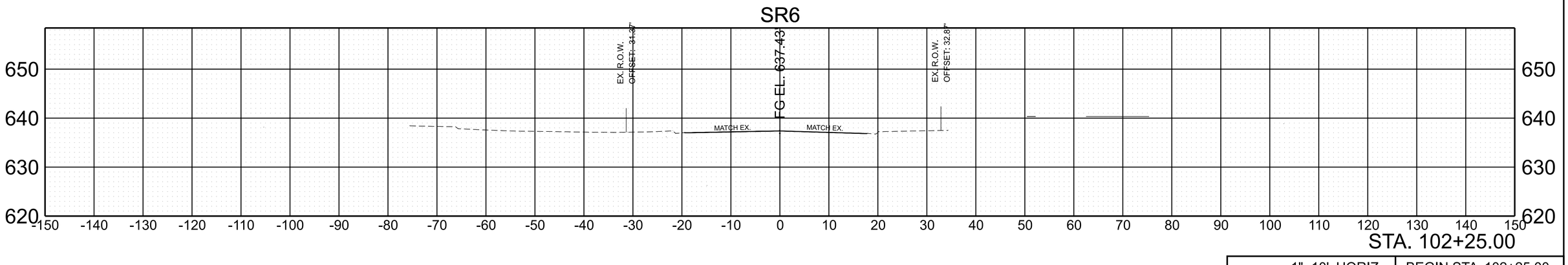
SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 101+50.00 END STA. 102+00.00

3/23/2026 7:58:44 AM
C:\TMP\PWISE\D0110904\94S006-SHT-XS-ROADWAY.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	16
PIH	2025	94004-3234-04	16
PS&E	2026	94004-3234-04	16



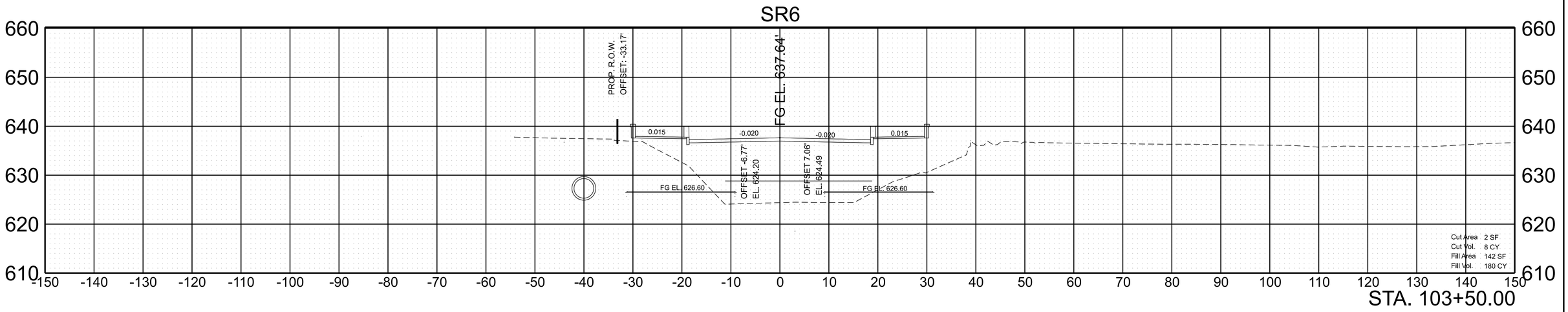


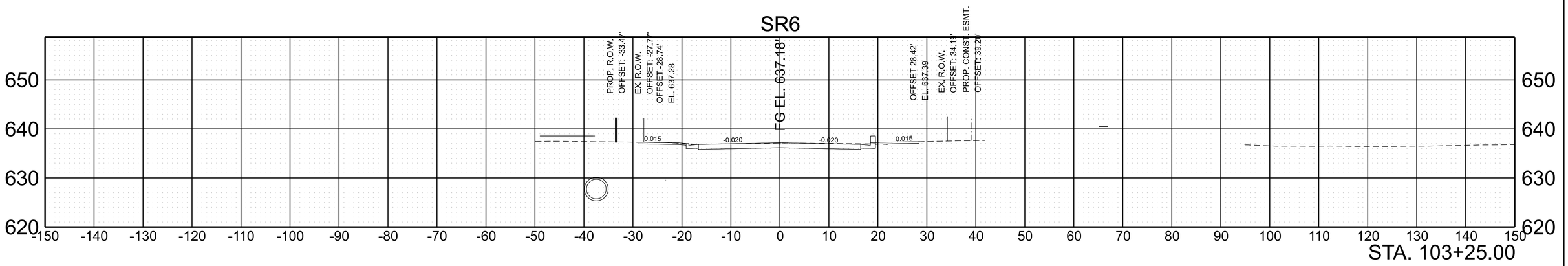


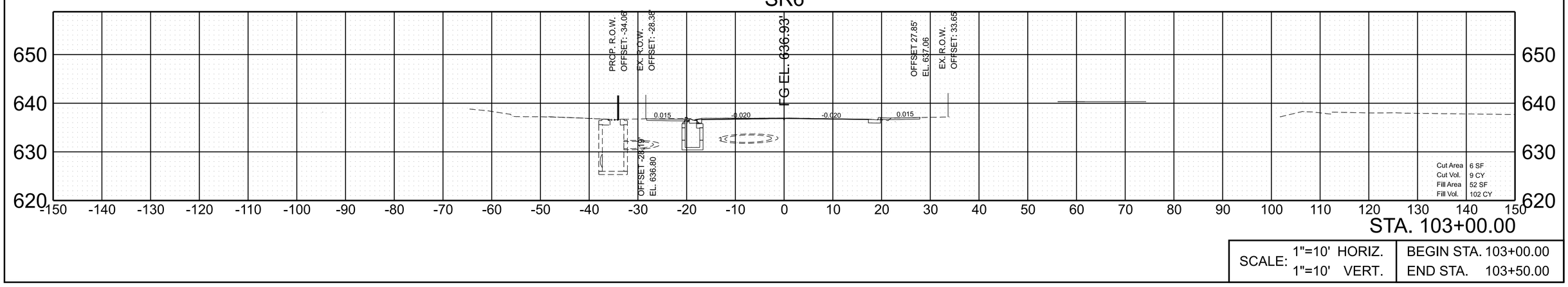
SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 102+25.00 END STA. 102+75.00

3/23/2026 7:58:46 AM
C:\TMPPWISEID\0110904\94S006-SHT-XS-ROADWAY.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	17
PIH	2025	94004-3234-04	17
PS&E	2026	94004-3234-04	17



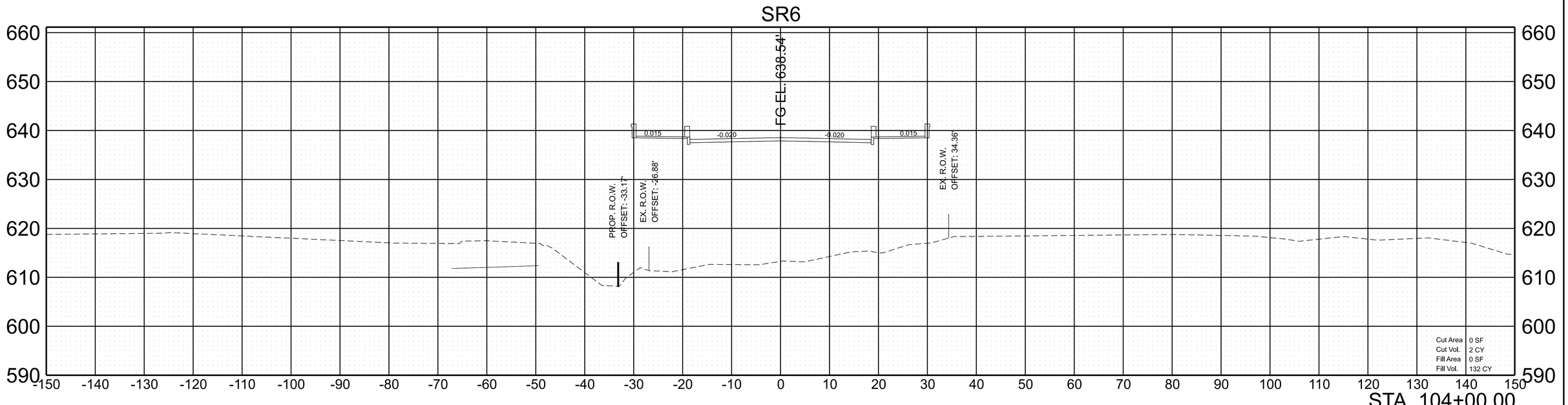


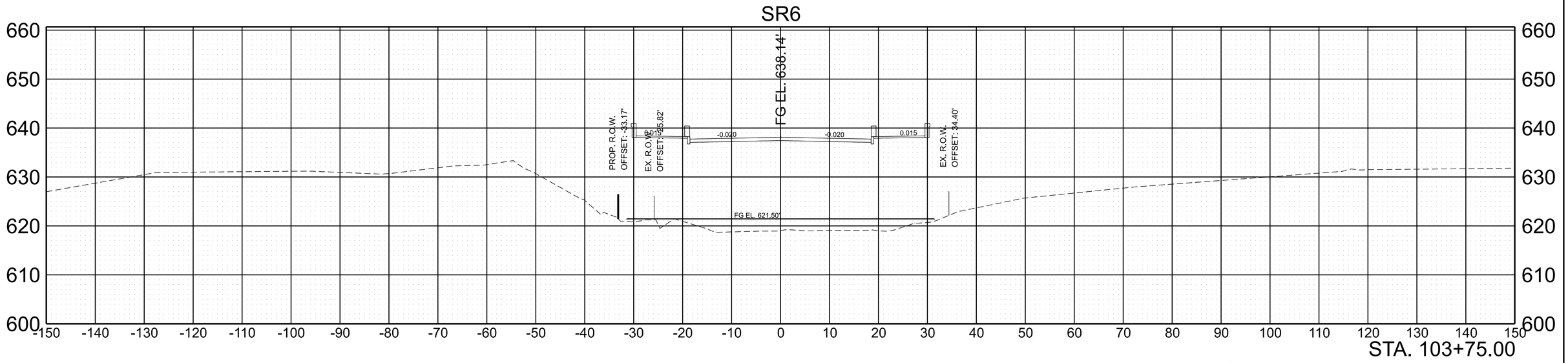


SCALE:	1"=10' HORIZ.	BEGIN STA. 103+00.00
	1"=10' VERT.	END STA. 103+50.00

3/23/2026 7:56:49 AM
C:\TMP\PWISE\D0110904\94S006-SHT-XS-ROADWAY.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	18
PIH	2025	94004-3234-04	18
PS&E	2026	94004-3234-04	18

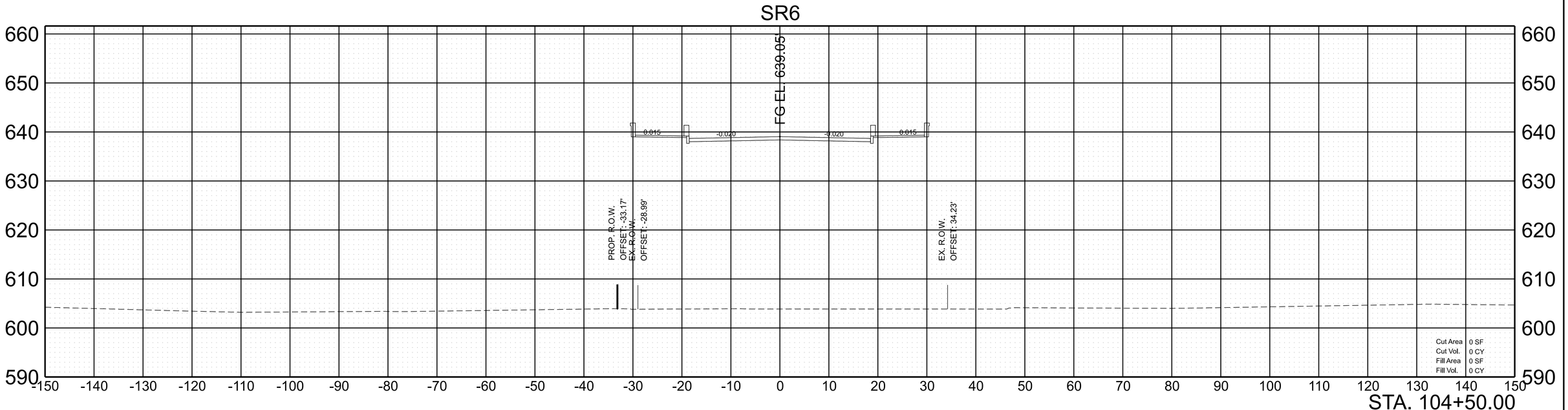


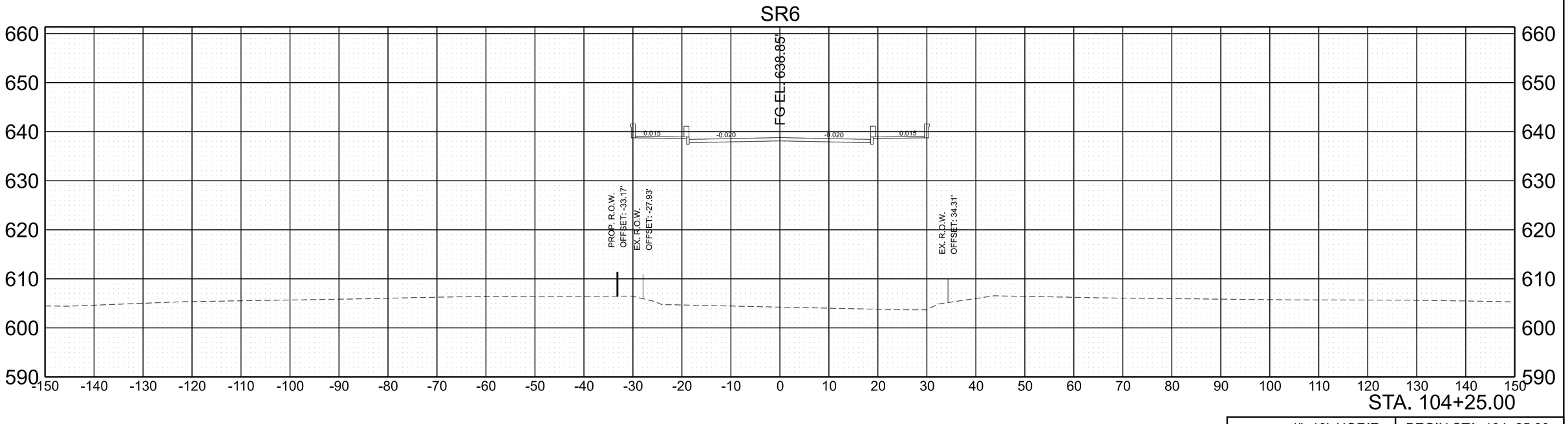


SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 103+75.00 END STA. 104+00.00

3/23/2026 7:58:51 AM
C:\TMP\PWISE\D0110904\94S006-SHT-XS-ROADWAY.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	19
PIH	2025	94004-3234-04	19
PS&E	2026	94004-3234-04	19

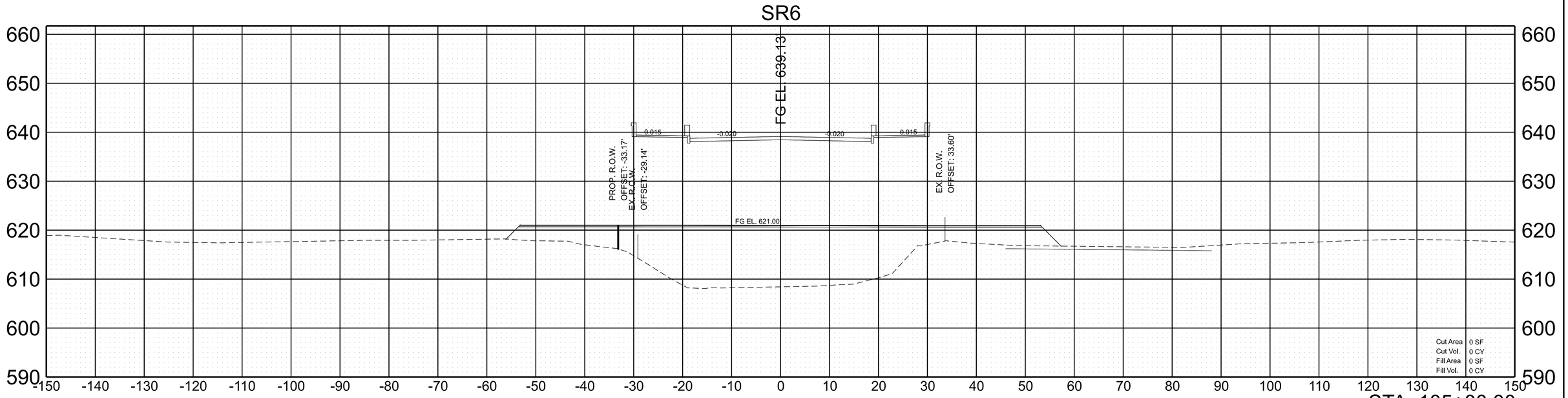


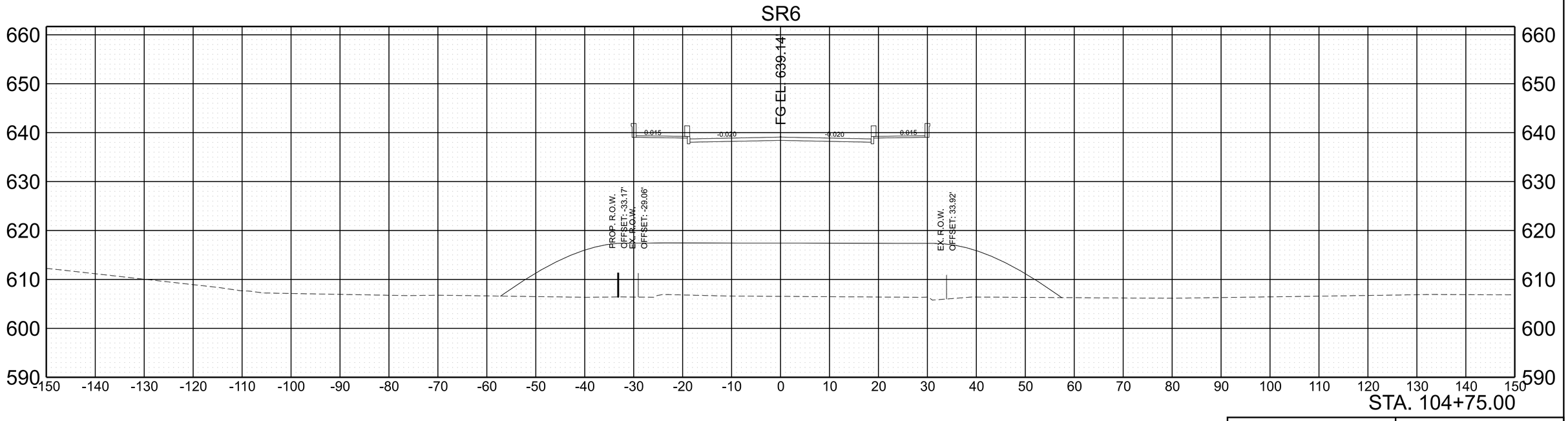


SCALE:	1"=10' HORIZ.	BEGIN STA. 104+25.00
	1"=10' VERT.	END STA. 104+50.00

3/23/2026 7:58:52 AM
C:\TMP\PWISE\D0110904\94S006-SHT-XS-ROADWAY.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	20
PIH	2025	94004-3234-04	20
PS&E	2026	94004-3234-04	20

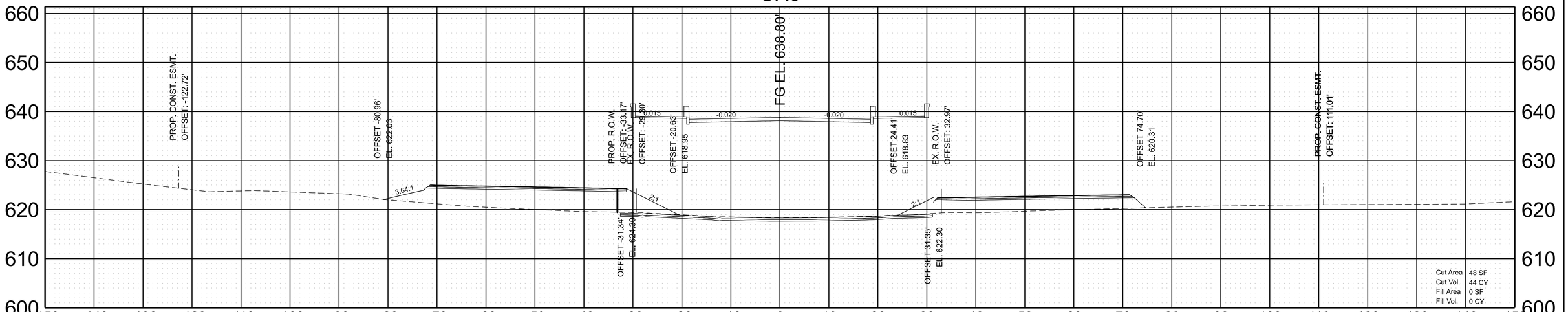


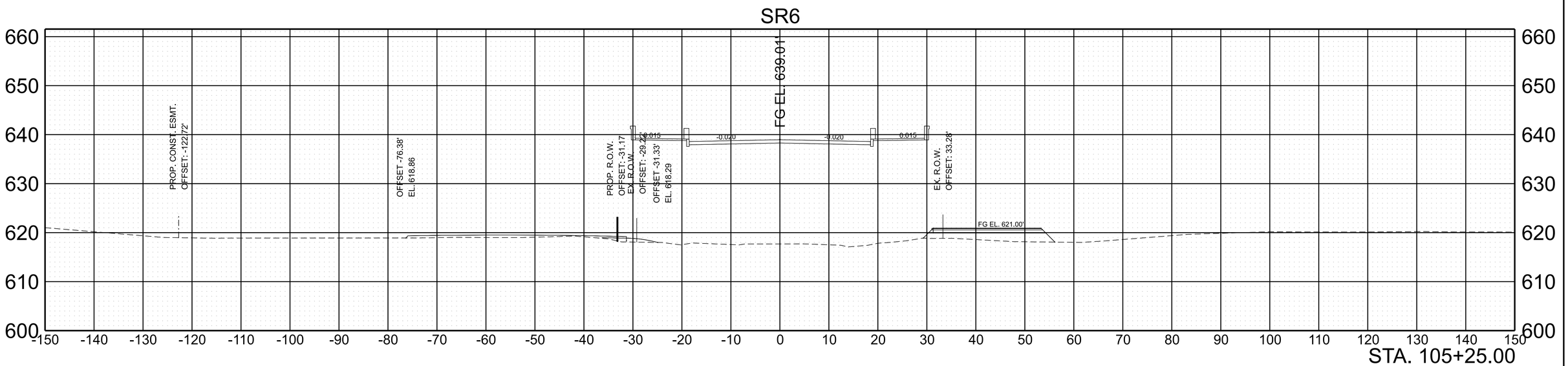


SCALE:	1"=10' HORIZ.	BEGIN STA. 104+75.00
	1"=10' VERT.	END STA. 105+00.00

3/23/2026 7:58:54 AM
C:\TMP\PWISEID01109041943006-SHT-XS-ROADWAY.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	21
PIH	2025	94004-3234-04	21
PS&E	2026	94004-3234-04	21

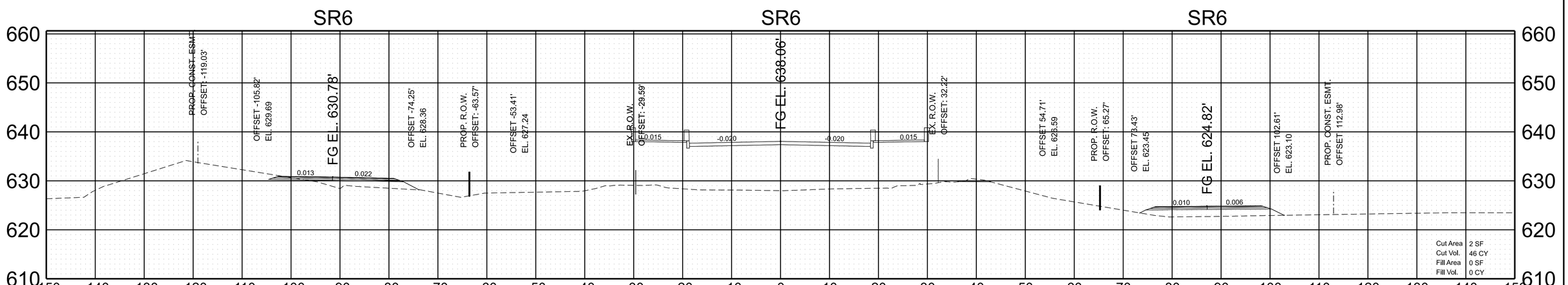


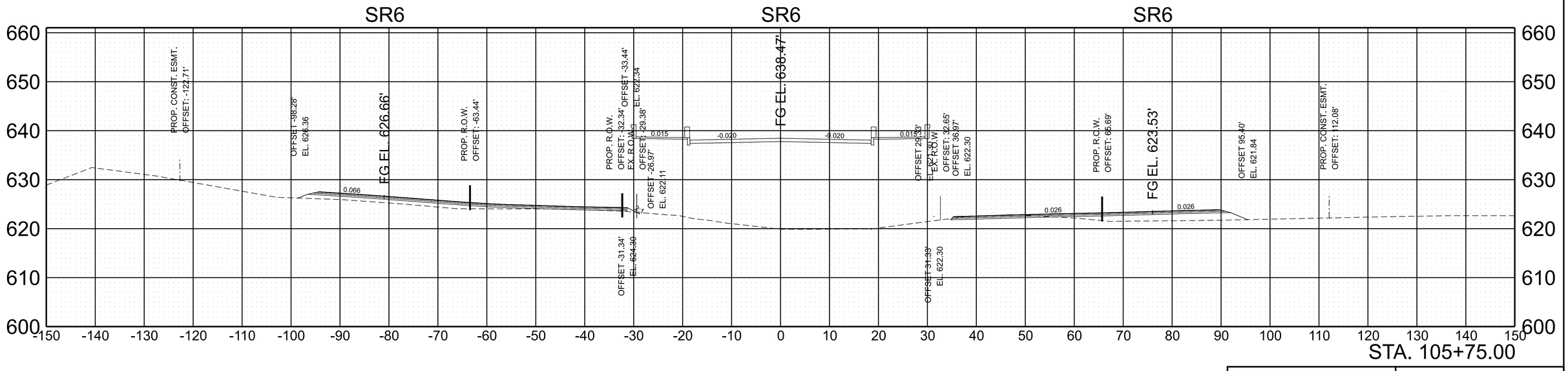


SCALE:	1"=10' HORIZ.	BEGIN STA. 105+25.00
	1"=10' VERT.	END STA. 105+50.00

3/23/2026 7:58:56 AM
C:\TMP\PWISEID\0109049\94S006-SHT-XS-ROADWAY.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	22
PIH	2025	94004-3234-04	22
PS&E	2026	94004-3234-04	22

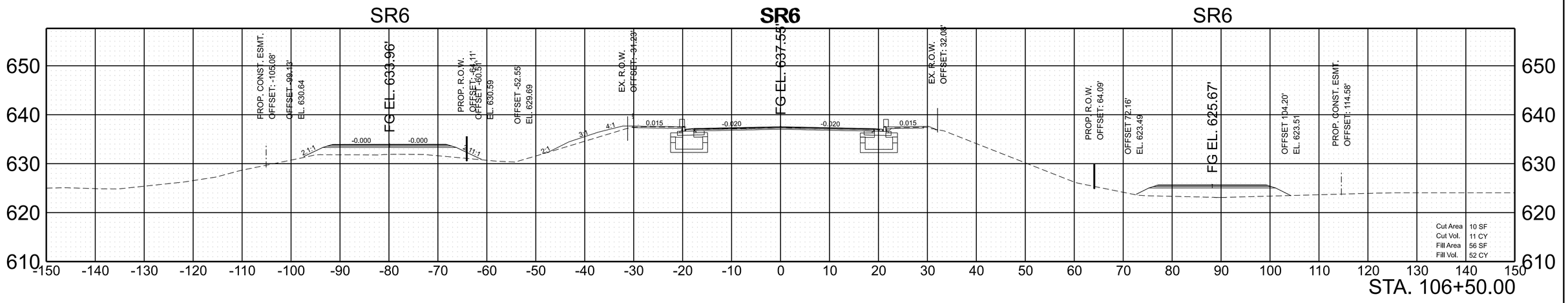


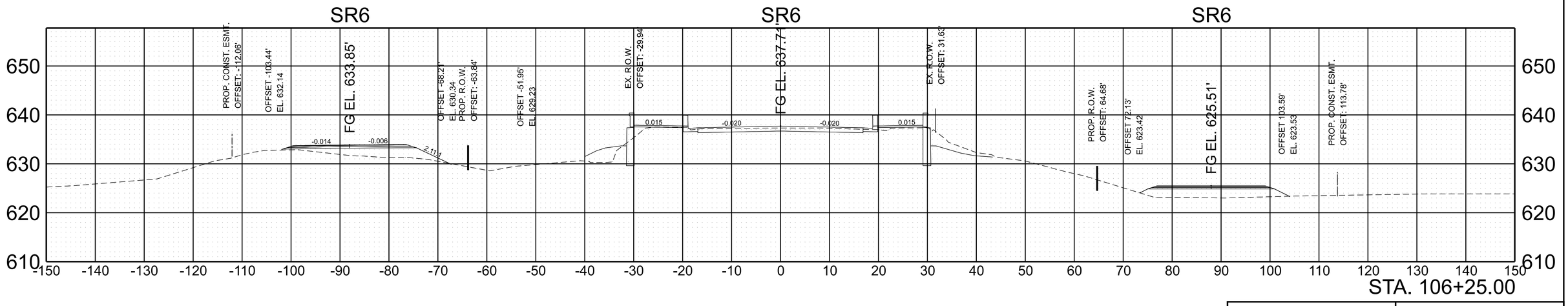


SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 105+75.00 END STA. 106+00.00	

3/23/2026 7:58:57 AM
C:\TMP\PWISE\D0110904\94S006-SHT-XS-ROADWAY.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	23
PIH	2025	94004-3234-04	23
PS&E	2026	94004-3234-04	23

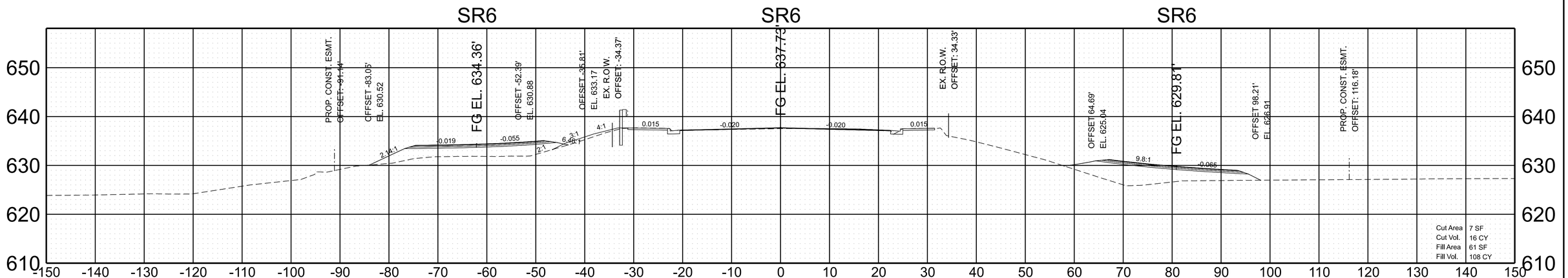


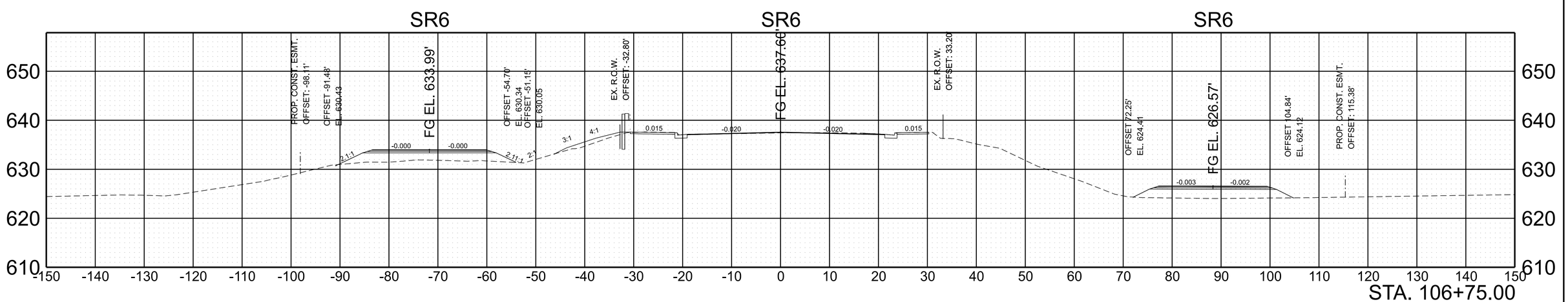


SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 106+25.00 END STA. 106+50.00	

3/23/2026 7:58:59 AM
C:\TMP\PWISE\D0110904\94S006-SHT-XS-ROADWAY.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	24
PIH	2025	94004-3234-04	24
PS&E	2026	94004-3234-04	24

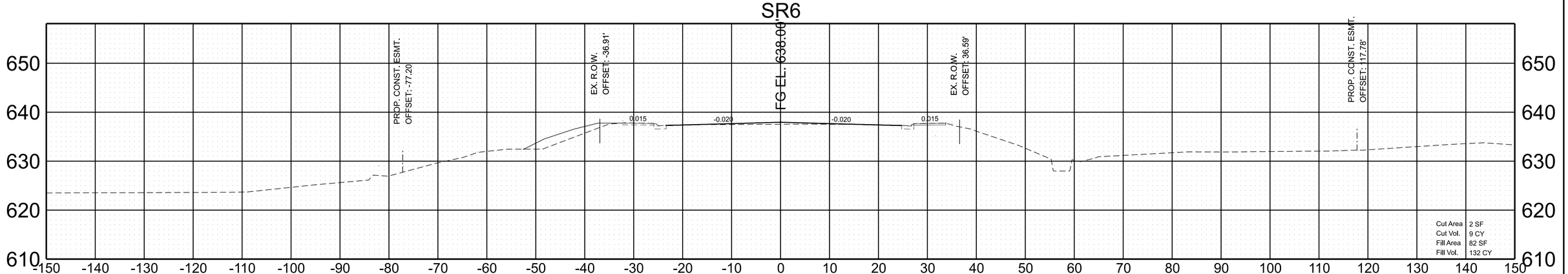


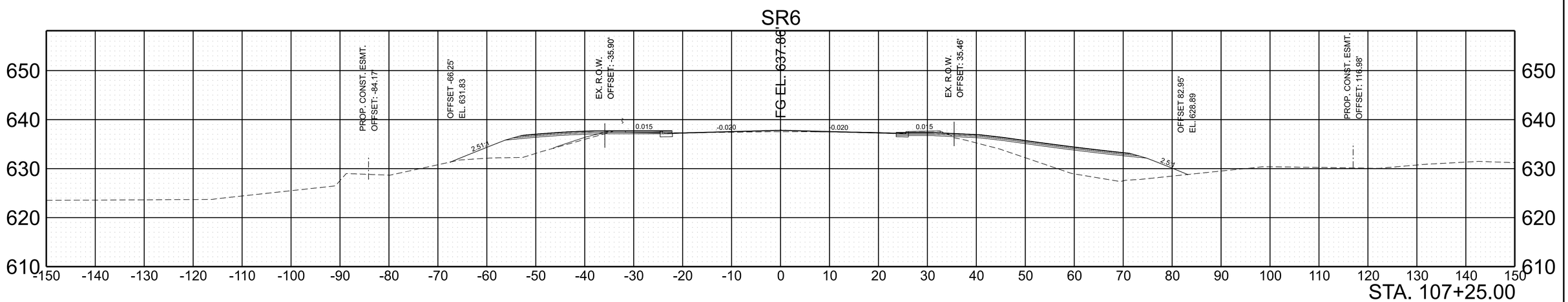


SCALE:	1"=10' HORIZ.	BEGIN STA. 106+75.00
	1"=10' VERT.	END STA. 107+00.00

3/23/2026 7:59:01 AM
C:\TMP\PWISE\D0110904\94S006-SHT-XS-ROADWAY.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	25
PIH	2025	94004-3234-04	25
PS&E	2026	94004-3234-04	25

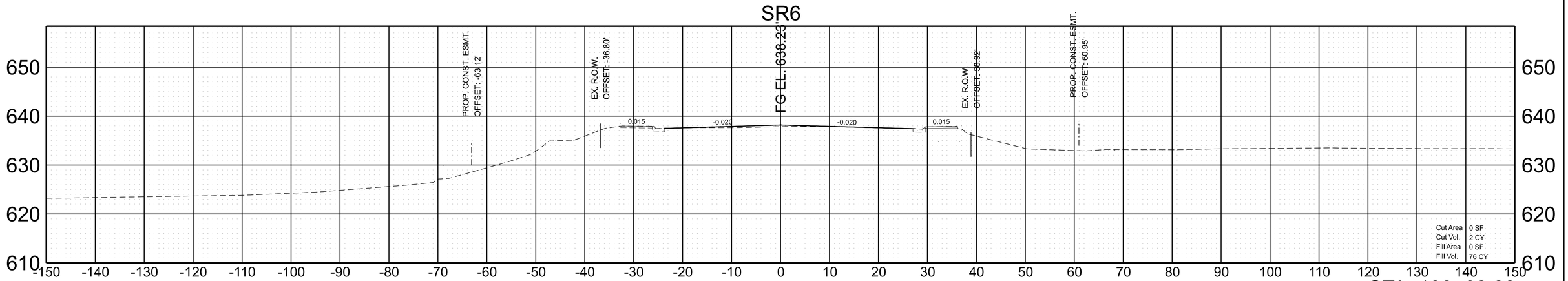


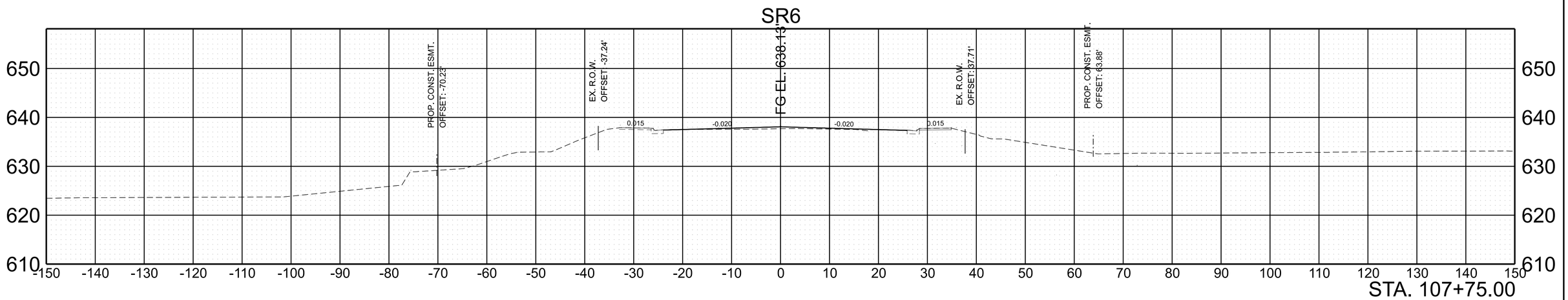


SCALE:	1"=10' HORIZ.	BEGIN STA. 107+25.00
	1"=10' VERT.	END STA. 107+50.00

3/23/2026 7:59:02 AM
C:\TMP\WISE\D0110904\94S006-SHT-XS-ROADWAY.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	26
PIH	2025	94004-3234-04	26
PS&E	2026	94004-3234-04	26

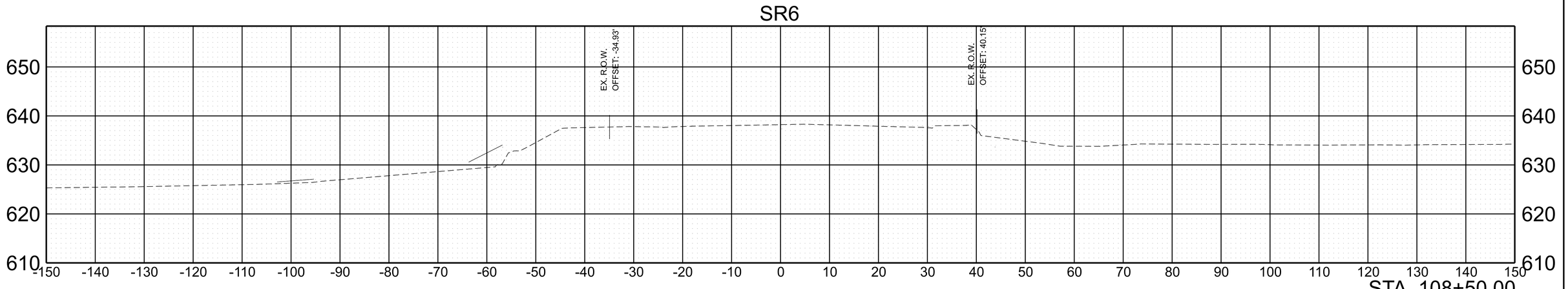


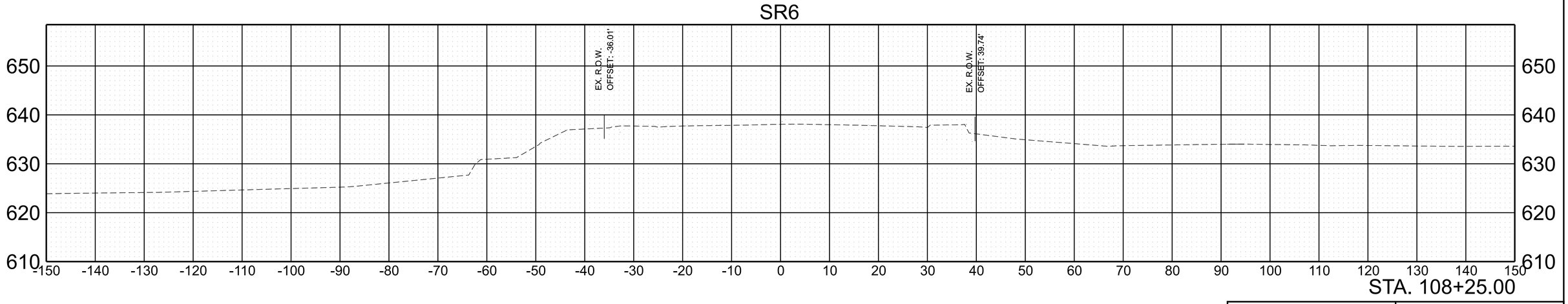


SCALE:		
	1"=10' HORIZ.	BEGIN STA. 107+75.00
	1"=10' VERT.	END STA. 108+00.00

3/23/2026 7:59:03 AM
C:\TMP\PWISE\D0110904\94S006-SHT-XS-ROADWAY.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	27
PIH	2025	94004-3234-04	27
PS&E	2026	94004-3234-04	27

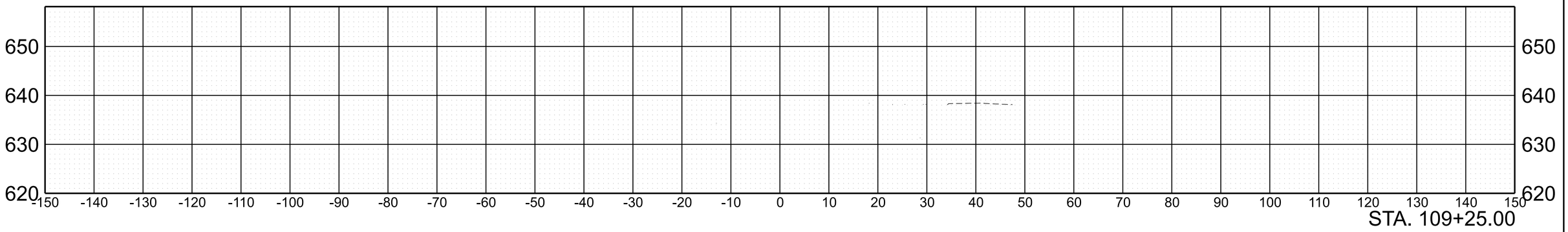




SCALE:	1"=10' HORIZ.	BEGIN STA. 108+25.00
	1"=10' VERT.	END STA. 108+50.00

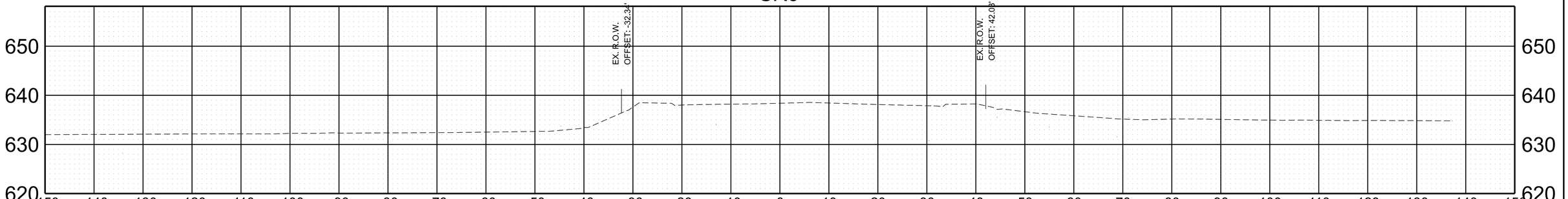
3/23/2026 7:59:05 AM
C:\TMP\PWISE\D0110904\94S006-SHT-XS-ROADWAY.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	28
PIH	2025	94004-3234-04	28
PS&E	2026	94004-3234-04	28



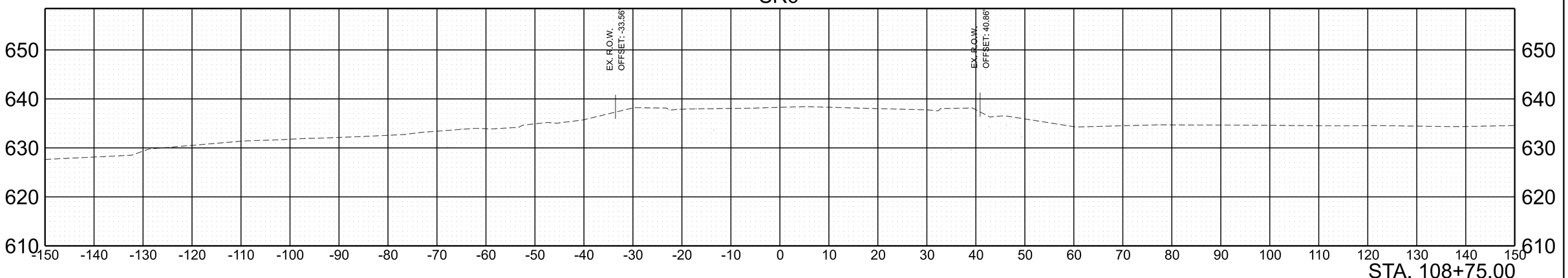
STA. 109+25.00

SR6



STA. 109+00.00

SR6

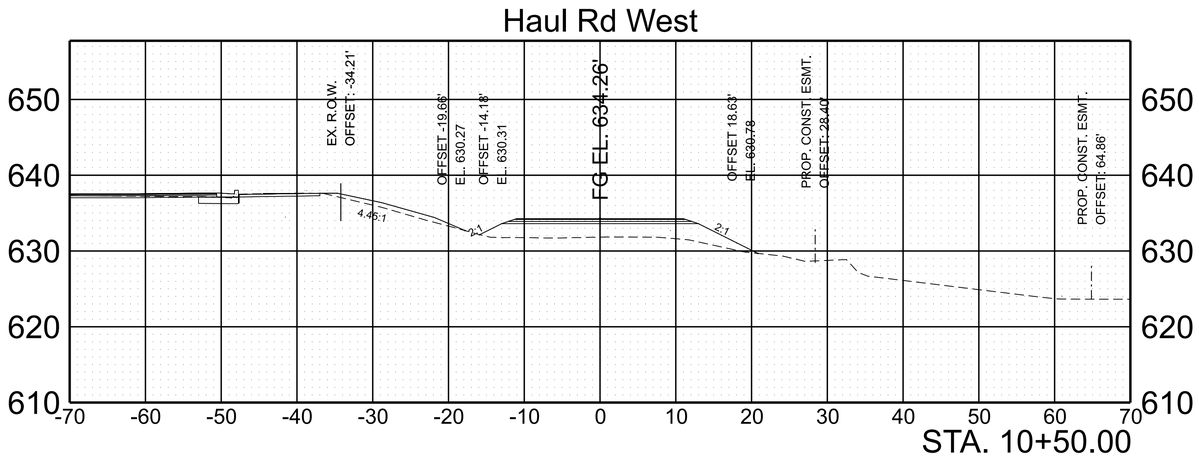


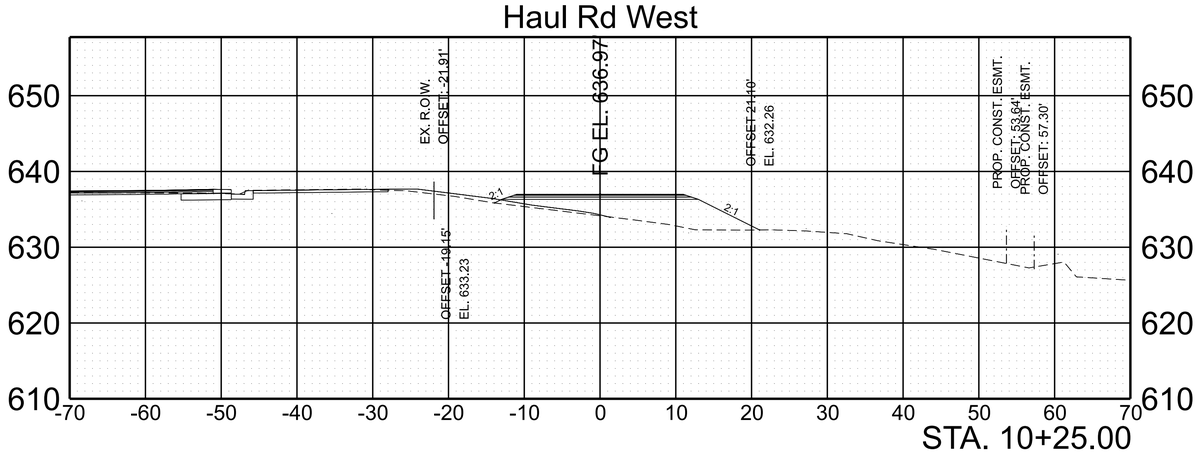
STA. 108+75.00

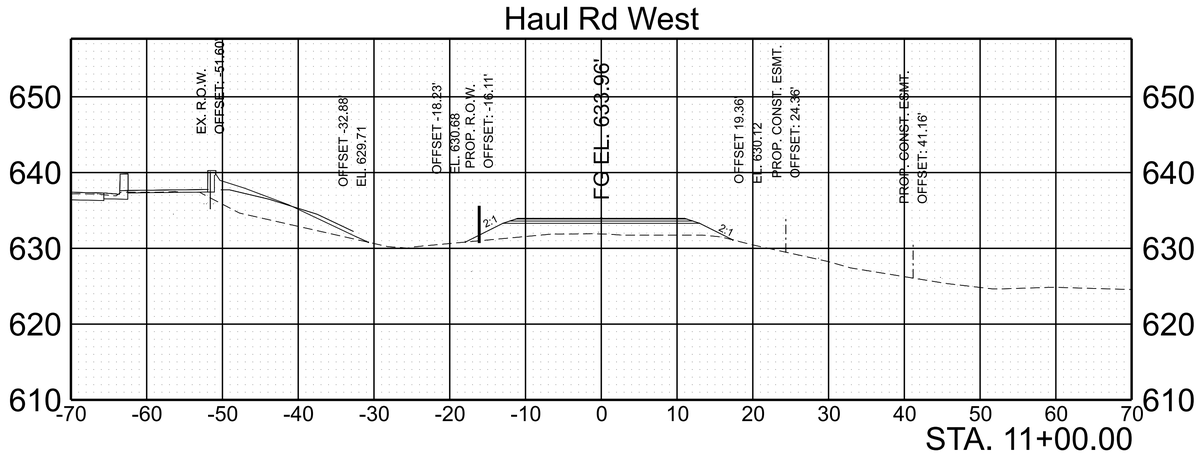
SCALE:	1"=10' HORIZ.	BEGIN STA. 108+75.00
	1"=10' VERT.	END STA. 109+25.00

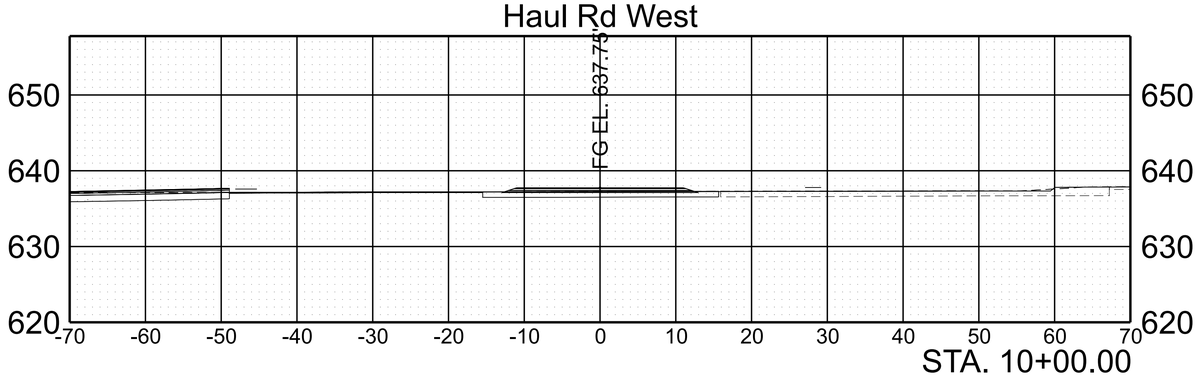
3/23/2026 7:59:06 AM
C:\TMP\PWISE\D0110904\94S006-SHT-XS-ROADWAY.DGN

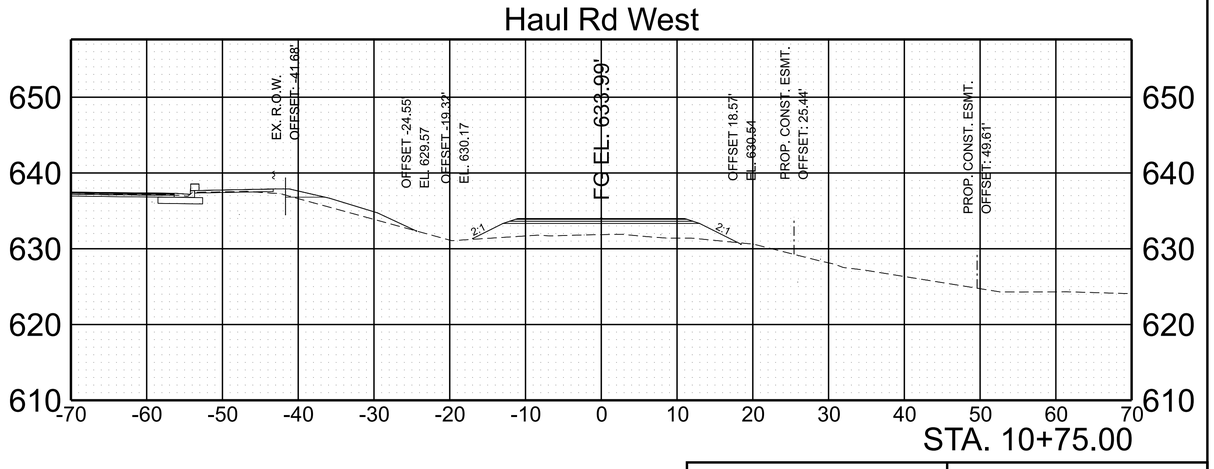
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	29
PIH	2025	94004-3234-04	29
PS&E	2026	94004-3234-04	29







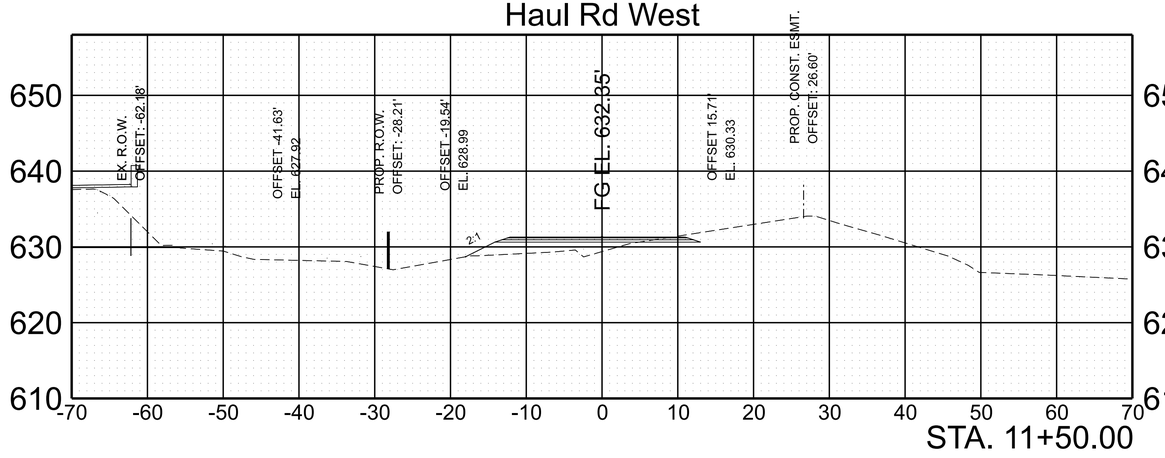


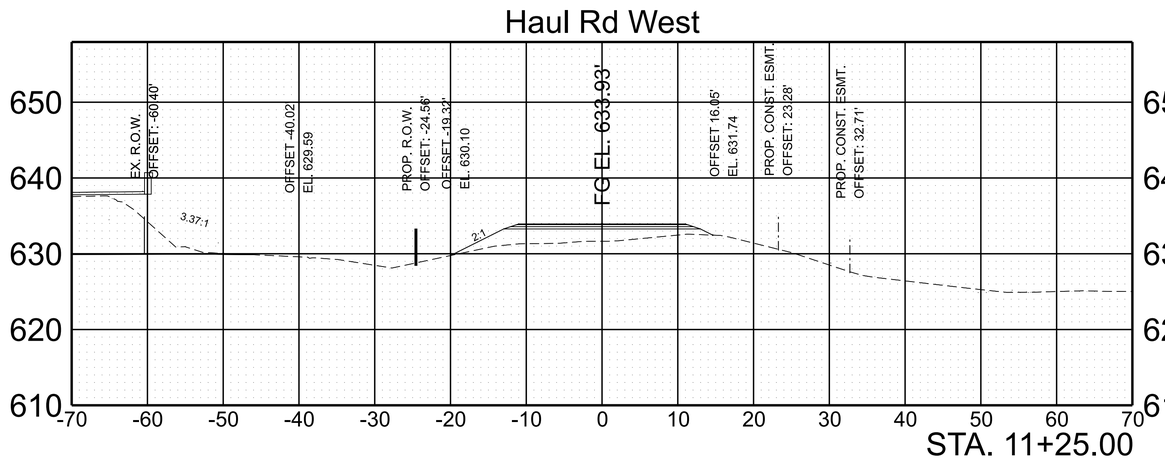


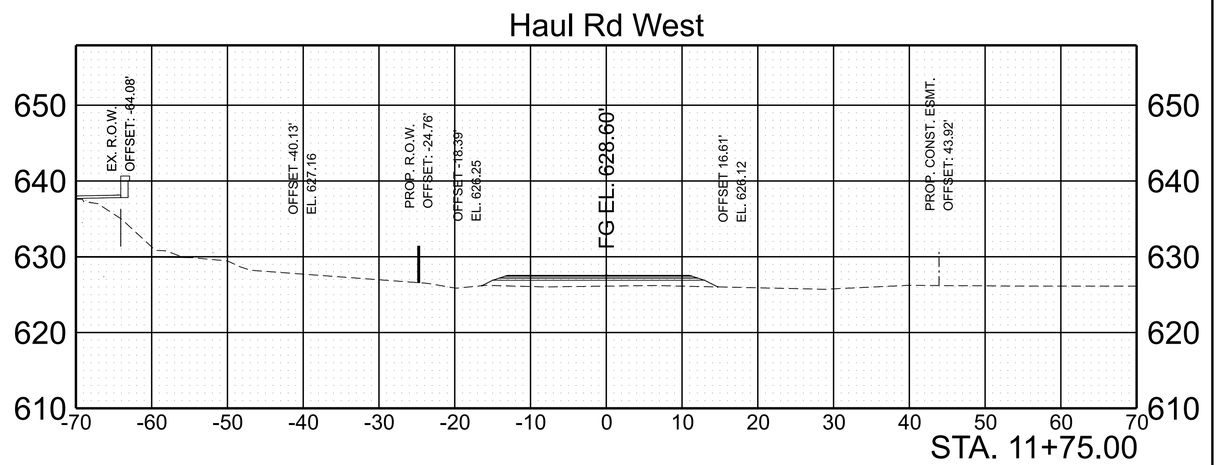
SCALE:	1"=10' HORIZ.	BEGIN STA. 10+00.00
	1"=10' VERT.	END STA. 11+00.00

3/23/2026 7:59:26 AM
C:\TMP\PWISE\D0110904\94S006-SHT-XS-HAUL ROAD WEST.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	30
PIH	2025	94004-3234-04	30
PS&E	2026	94004-3234-04	30



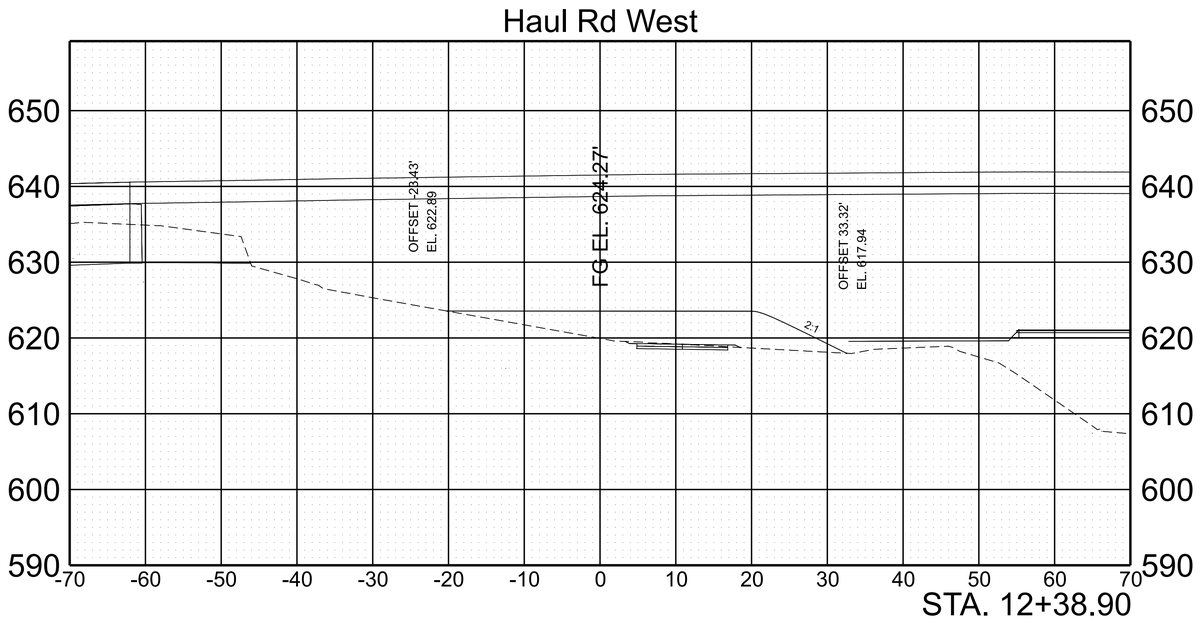


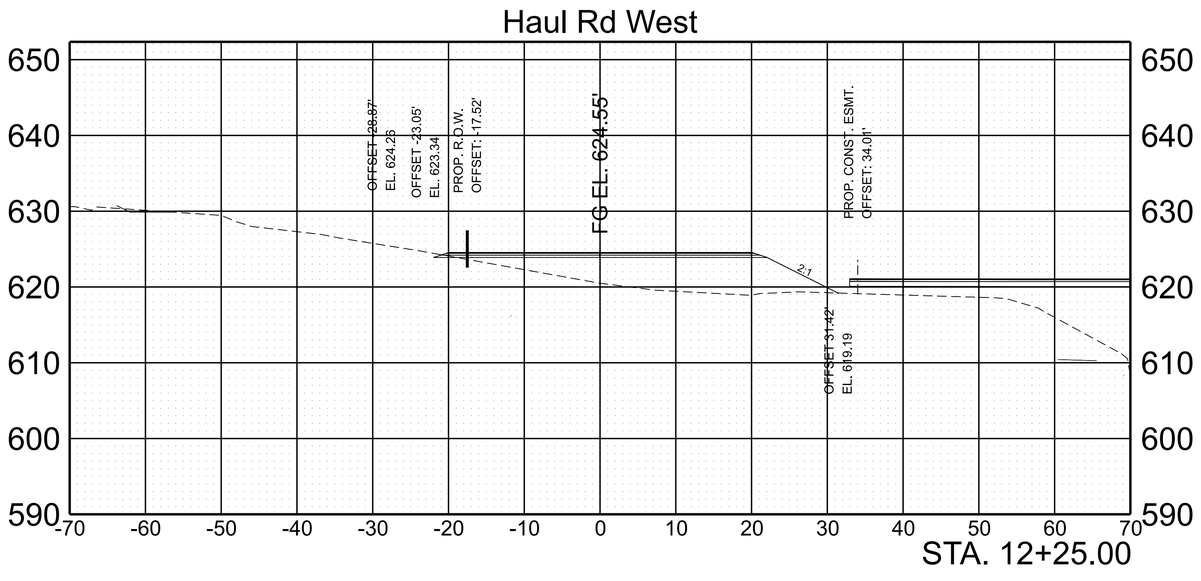


SCALE:	1"=10' HORIZ.	BEGIN STA. 11+25.00
	1"=10' VERT.	END STA. 12+00.00

3/23/2026 7:59:28 AM
C:\TMPIPWISE\D0110904\94S006-SHT-XS-HAUL ROAD WEST.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	31
PIH	2025	94004-3234-04	31
PS&E	2026	94004-3234-04	31





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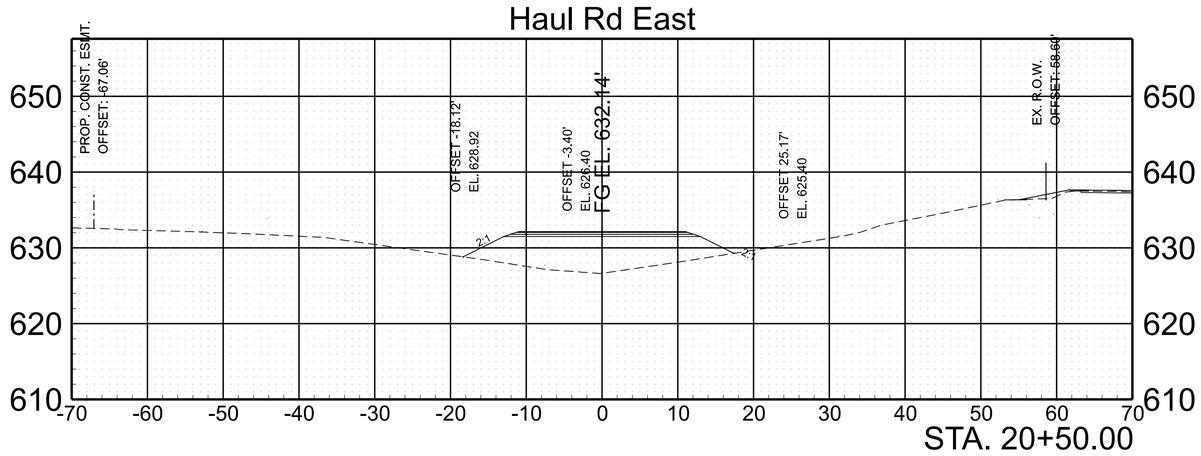
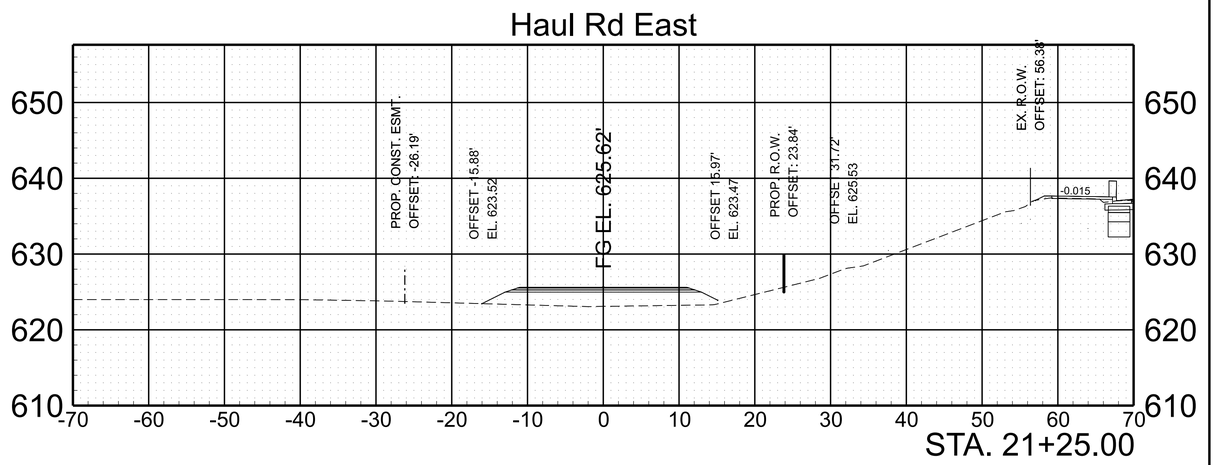
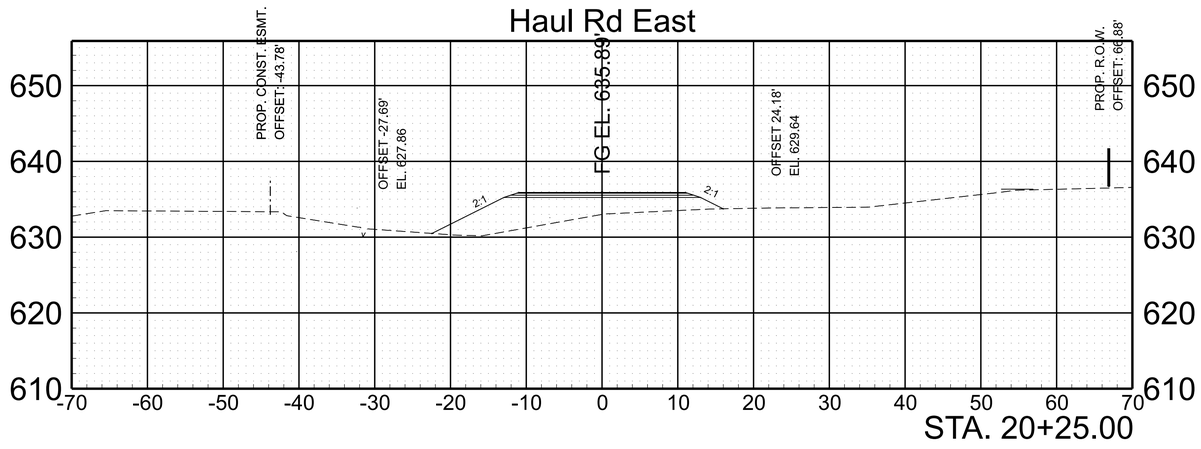
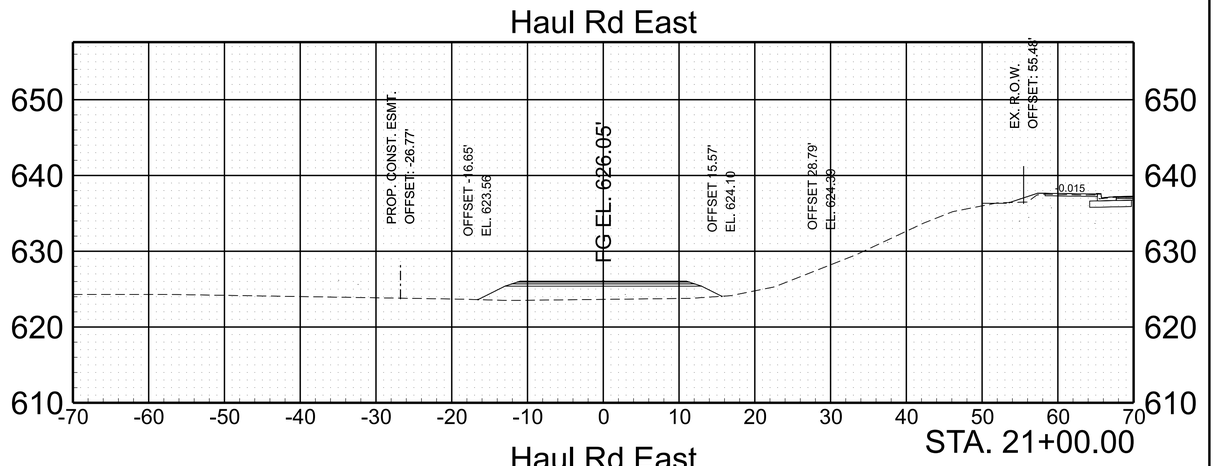
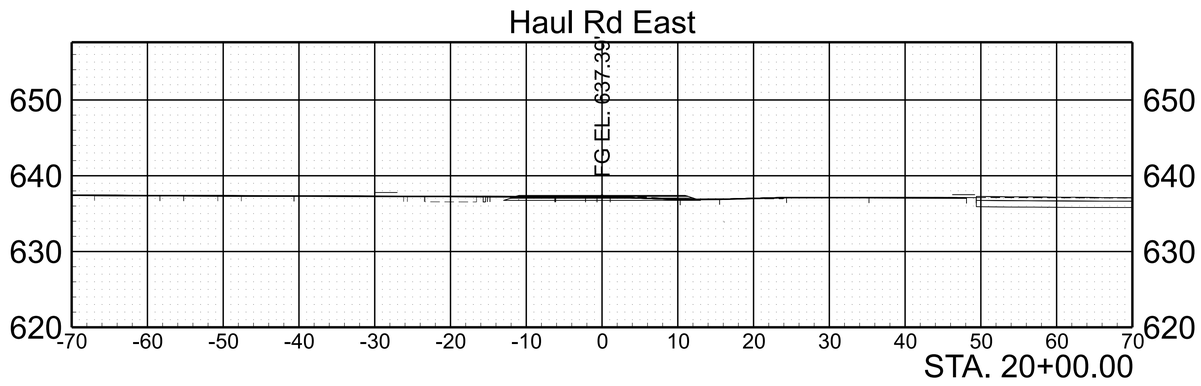
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	32
PIH	2025	94004-3234-04	32
PS&E	2026	94004-3234-04	32

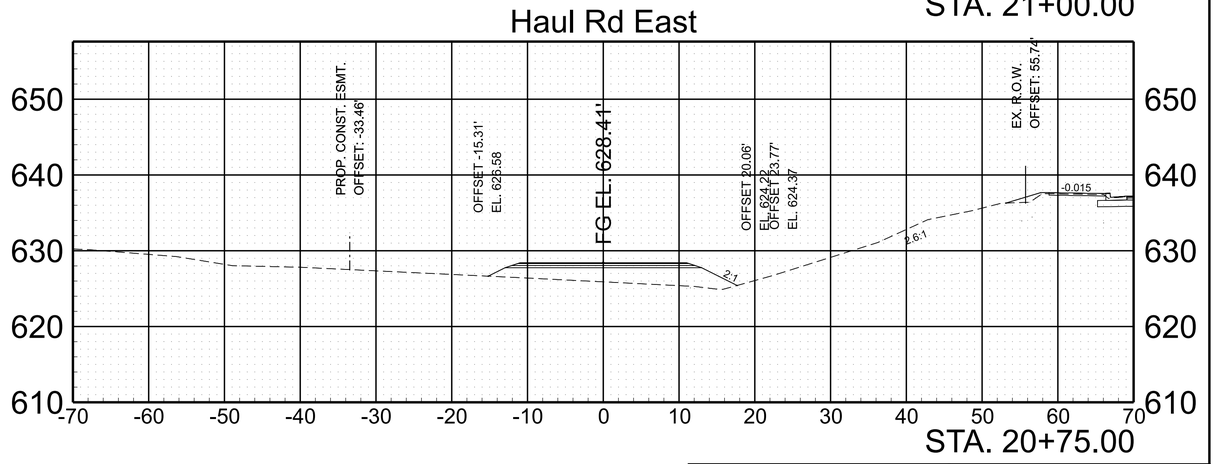












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TYPE	YEAR	PROJECT NO.	SHEET NO.
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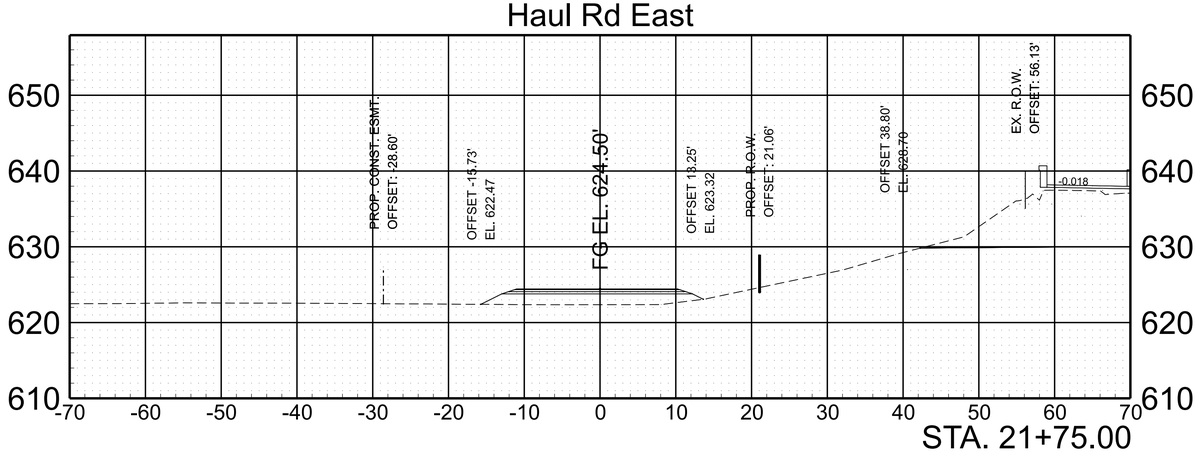
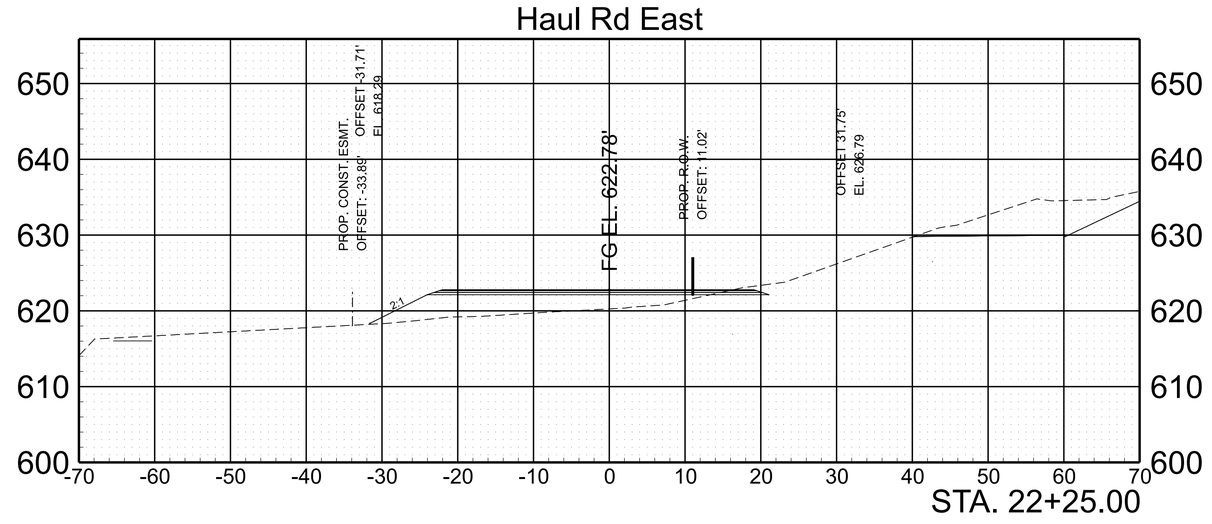
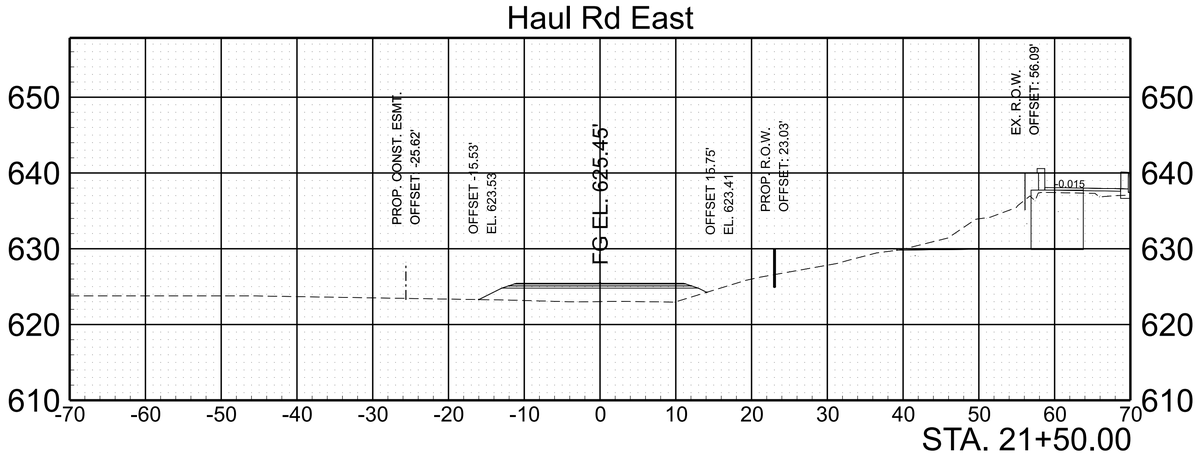
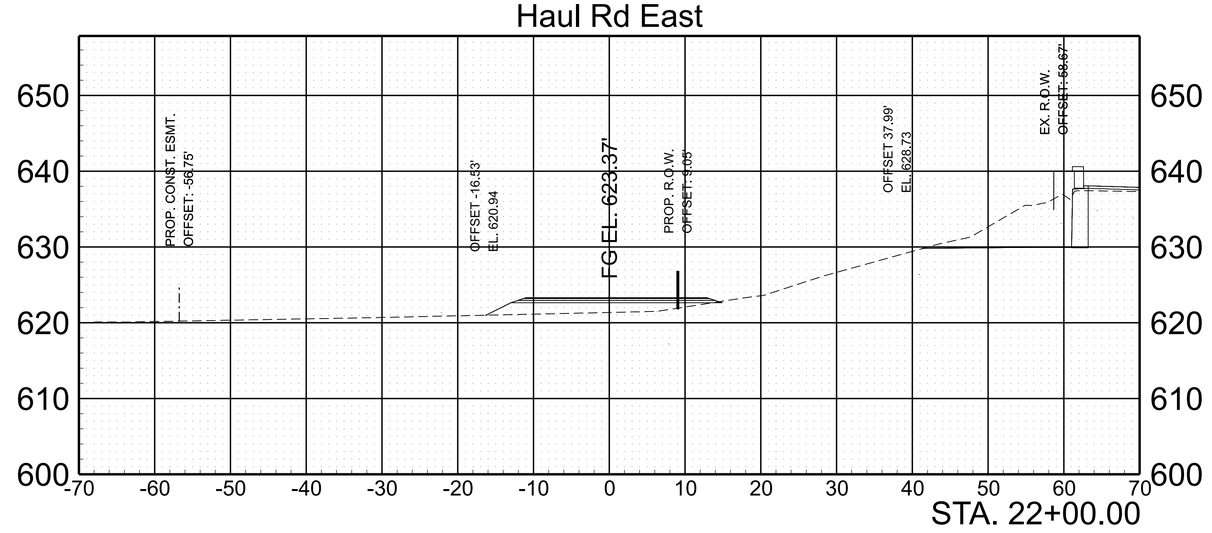
PIH	2025	94004-3234-04	33
PS&E	2026	94004-3234-04	33









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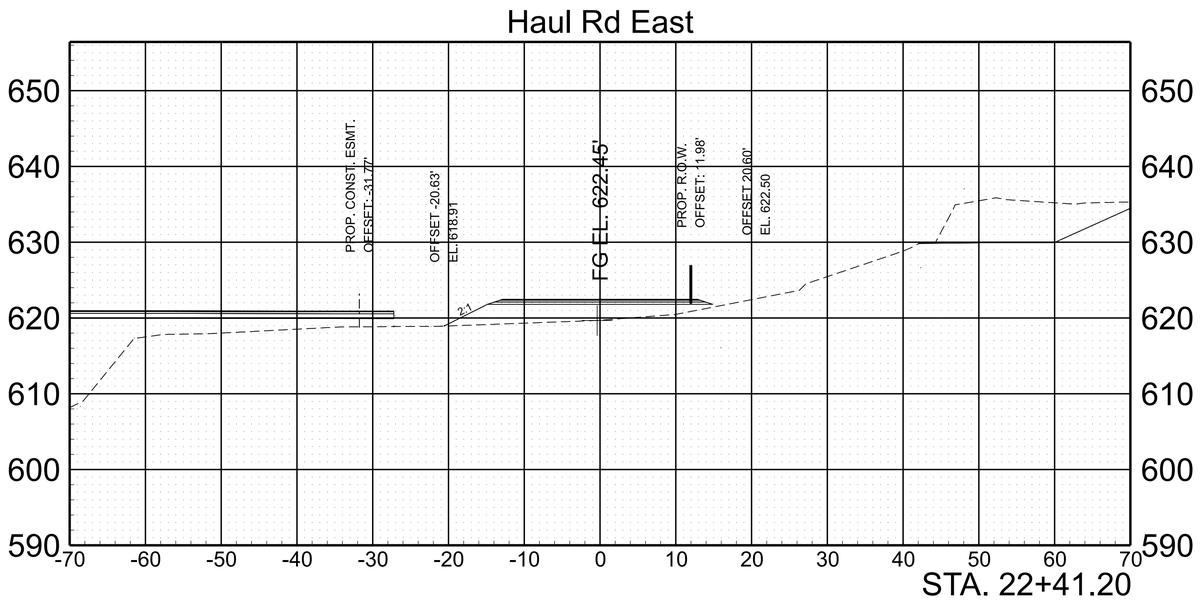
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	34
PIH	2025	94004-3234-04	34
PS&E	2026	94004-3234-04	34



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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	T1
PIH	2025	94004-3234-04	T1
PS&E	2026	94004-3234-04	T1

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

A. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES OR TRAFFIC LANE AND SHOULDER WHERE THE TRAFFIC LANE IS BEING USED BY TRAFFIC, CAUSED BY BASE, PAVING OR RESURFACING:

1. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 0.75 INCH AND NOT EXCEEDING 1.75 INCHES:

   a. WARNING SIGNS, UNEVEN LANES (W8-11) AND/OR SHOULDER DROP-OFF WITH PLAQUE (W8-17 AND W8-17P), SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

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

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

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

2. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 1.75 INCHES AND NOT EXCEEDING 6 INCHES, TRAFFIC IS NOT TO BE ALLOWED TO TRAVERSE THIS DIFFERENCE IN ELEVATION.

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

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

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

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

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

IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 2 MILES IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

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

   a. THE CONTRACTOR SHALL ACCOMPLISH SEPARATION BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

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

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

   IN ORDER TO USE THIS METHOD, THE CONTRACTOR MUST REDUCE THE DIFFERENCE IN ELEVATION TO 6 INCHES OR LESS BY THE END OF THE WORKDAY THAT THE CONDITION IS CREATED.

   b. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a, AND CONSTRUCT A STONE WEDGE WITH A 4:1 SLOPE, OR FLATTER, TO ELIMINATE THE VERTICAL OFFSET IF THE LOWER ELEVATION IS AT OR BELOW SUBGRADE AT THE END OF EACH DAY.

   c. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a AND IF THE LOWER ELEVATION IS BASE STONE OR ASPHALT PAVEMENT, PLACEMENT OF SUBSEQUENT LAYERS OF PAVEMENT MUST BEGIN THE NEXT WORK DAY AND PROGRESS CONTINUOUSLY UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED OR REDUCED TO SIX INCHES OR LESS.

   d. THE CONTRACTOR SHALL PROVIDE SEPARATION BY PORTABLE BARRIER RAIL.

   FOR PRECEDING CONDITIONS a, b, AND c, THE CONTRACTOR SHALL USE THE SHOULDER DROP-OFF WARNING SIGN WITH PLAQUE (W8-17 AND W8-17P). IT SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN THE SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

4. FOR DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 18 INCHES.

   SEPARATION WILL BE PROVIDED BY USE OF PORTABLE BARRIER RAIL.

   IN THIS SITUATION THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

B. IF THE DIFFERENCE IN ELEVATION IS WITHIN 30 FEET OF THE NEAREST TRAFFIC LANE BEING USED BY TRAFFIC CAUSED BY GRADING, EXCAVATION FOR UTILITIES, DRAINAGE STRUCTURES, UNDERCUTTING, ETC.:

1. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 3/4 INCH AND NOT EXCEEDING 2 INCHES.

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

2. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 2 INCHES AND NOT EXCEEDING 6 INCHES:

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

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

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

3. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 6 INCHES:

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

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

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

   b. ELIMINATE VERTICAL OFFSET BY CONSTRUCTING A STONE WEDGE OR GRADING TO A 4:1 SLOPE, OR FLATTER, OR USE PORTABLE BARRIER RAIL.

   THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE WITHIN 8 FEET OF A TRAFFIC LANE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE IS ELIMINATED.

C. IF THE DIFFERENCE IN ELEVATION IS FARTHER THAN 8 FEET FROM THE NEAREST TRAFFIC LANE BUT NOT MORE THAN 30 FEET FROM THE NEAREST TRAFFIC LANE:

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

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

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

THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE IS ELIMINATED.

SEALED BY

AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 136935
STATE OF TENNESSEE

4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PAVEMENT EDGE
DROP-OFF NOTES
FOR
TRAFFIC CONTROL

3/23/2026 8:00:02 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	T2
PIH	2025	94004-3234-04	T2
PS&E	2026	94004-3234-04	T2

PHASING INTRODUCTION / INTENT

A) THE INTENT OF THE TRAFFIC CONTROL PLAN IS TO ADJUST TRAFFIC PATTERNS ALONG S.R. 6 TO MAINTAIN SAFE AND EFFICIENT TRAFFIC OPERATIONS AND MAXIMIZE CONSTRUCTION WORK ZONES FOR THE PROJECT.

B) THE TRAFFIC CONTROL PHASING IS SUMMARIZED BELOW IN THREE SIGNIFICANT PHASES DEFINED BY SIGNIFICANT TRAFFIC ADJUSTMENTS. CONSTRUCTION ACTIVITIES IDENTIFIED DURING THE DESIGN PROCESS REQUIRED IN THE PHASING ARE PROVIDED FOR REFERENCE ONLY AND ARE NOT INTENDED TO DICTATE THE CONTRACTOR'S METHODS & MEANS FOR CONSTRUCTING THE PROJECT.

A. PHASE 1:

I. S.R. 6 TRAFFIC IS ON PHASE 1 TEMPORARY ALIGNMENT WITH TRAFFIC ON THE EAST SIDE OF THE EXISTING BRIDGE AND CONSTRUCTION ON THE WEST SIDE OF THE NEW BRIDGE.

B. PHASE 2:

I. S.R. 6 TRAFFIC IS SHIFTED TO THE NEWLY BUILT PROPOSED WEST SIDE OF THE BRIDGE. CONSTRUCTION IS COMPLETED ON THE EAST SIDE.

C. PHASE 3:

I. S.R. 6 TRAFFIC IS SHIFTED TO THE PROPOSED LANE ALIGNMENT WITH THE WEST OUTSIDE LANE CLOSED TO ALLOW SIDEWALK FINISHES ON THE WEST SIDE OF THE BRIDGE.

SUMMARY OF PHASING:

PHASE 1 TRAFFIC:

A) TRAFFIC IS PUSHED 1' AWAY FROM THE CURB ON THE EAST SIDE OF THE EXISTING BRIDGE. TWO 10 FOOT LANES ARE PROVIDED WITH A 1' BUFFER BETWEEN TRAFFIC AND PINNED PORTABLE BARRIER RAIL.

PHASE 1 CONSTRUCTION ACTIVITIES:

A) CONSTRUCT NEW 48 INCH OUTLET PIPE ON THE SOUTH SIDE OF THE BRIDGE.

A. EXISTING DRAINAGE STRUCTURE ON THE WEST SIDE OF THE ROAD TO BE ADJUSTED AND PLATED. AREA DRAIN IN THE PARKING LOT NEAR THE SOUTHWEST END OF THE BRIDGE TO BE ALTERED TO RECEIVE DRAINAGE IN PHASE 2. AREA SHOULD BE GRADED TO DRAIN TO THE PARKING LOT STRUCTURE.

B) UTILITY RELOCATIONS OFF OF THE EXISTING BRIDGE AND/OR OUT OF THE WAY OF CONSTRUCTION ACTIVITIES.

C) CONSTRUCTION OF TEMPORARY HAUL ROADS.

D) DEMOLITION OF THE WEST SIDE OF THE EXISTING S.R. 6 BRIDGE.

E) CONSTRUCTION OF THE SUBSTRUCTURE FOR THE WEST SIDE OF THE PROPOSED BRIDGE.

A. PROPOSED ABUTMENT GRADING AND RIPRAP PLACEMENT

F) PAVEMENT A BRIDGE END CONSTRUCTION.

G) CONSTRUCTION OF THE SUPERSTRUCTURE FOR THE WEST SIDE OF THE PROPOSED BRIGDE.

A. THE PROPOSED SIDEWALK AND BRIDGE RAILS ON THE WEST SIDE OF THE BRIDGE WILL NOT BE BUILT IN THIS PHASE SO THAT TRAFFIC CAN BE PLACED ON THE OUTSIDE OF THE PROPOSED BRIDGE IN PHASE 2.

H) CONSTRUCT TEMPORARY PAVEMENT FOR PHASE 2 ON BOTH ENDS OF THE BRIDGE.

I) UTILITY RELOCATIONS TO PROPOSED BRIDGE IN PERMANENT LOCATION.

PHASE 2 TRAFFIC:

A) TRAFFIC SHIFTED ONTO NEWLY BUILT WEST SIDE OF THE BRIDGE. PORTABLE BARRIER RAIL ON BOTH SIDES WITH TWO 10' LANES OF TRAFFIC AND 1 FOOT BUFFERS BETWEEN TRAFFIC AND PORTABLE BARRIER RAIL.

PHASE 2 CONSTRUCTION ACTIVITIES:

A) DEMOLITION OF THE EAST SIDE OF THE EXISTING BRIDGE.

B) CONSTRUCTION OF THE SUBSTRUCTURE FOR THE EAST SIDE OF THE PROPOSED BRIDGE.

A. PROPOSED ABUTMENT GRADING AND RIPRAP PLACEMENT.

C) FINISH CONSTRUCTION OF THE PAVEMENT AT BRIDGE ENDS.

D) CONSTRUCTION OF THE SUPERSTRUCTURE FOR THE EAST SIDE OF THE PROPOSED BRIDGE TO FINAL CONDITION.

E) GRADE SIDEWALK UNDER THE BRIDGE.

PHASE 3 TRAFFIC:

A) TRAFFIC SHIFTED ONTO PROPOSED ALIGNMENT WITH THE WEST OUTSIDE LANE CLOSED.

PHASE 3 CONSTRUCTION ACTIVITIES:

A) REMOVE TEMPORARY HAUL ROADS AND RESTORE GROUND.

B) FINAL RELOCATION OF ANY UTILITIES TO PERMANENT CONDITION

C) FINISH SIDEWALK CONSTRUCTION AND BRIDGE RAILS ON THE WEST SIDE OF THE PROPOSED BRIDGE AND ROADWAY.

D) REBUILD ALTERED AREA DRAIN BACK TO EXISTING CONDITION AND FINISH GRATE ALTERATION ON SOUTHWEST SIDE ROADWAY DRAINAGE STRUCTURE.

E) FINISH ALL SIGNING AND STRIPING.

F) MILL & OVERLAY ROADWAY.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	CHANGEABLE MESSAGE SIGN
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	SIGN (CONSTRUCTION)
	TRAFFIC FLOW
	TEMPORARY BARRICADE (TYPE II)
	TEMPORARY BARRICADE (TYPE III)
	FLEXIBLE DRUMS (CHANNELIZING)
	WORK ZONE
	TRAVEL LANE
	TEMPORARY PAVEMENT
	TEMPORARY PAVEMENT (PREV. PHASE)

TRAFFIC CONTROL QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	60LPLM-F0-031 QUANTITY
(5)	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D LIMESTONE	TON	83
(1)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	100
(5)	307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	32
(5)	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	21
(5)	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	0.3
(5)	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	0.9
(5)	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	0.1
	712-01	TRAFFIC CONTROL	LS	1
	712-02.10	PORTABLE BARRIER RAIL (MASH TL-3)	L.F.	652
	712-02.12	PORTABLE BARRIER RAIL, REDUCED DEFLECTION (MASH TL-3)	L.F.	324
(4)	712-02.60	TEMPORARY CRASH CUSHION (MASH TL-3)	EACH	4
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	78
	712-04.50	BARRIER RAIL DELINEATOR	EACH	33
(1)	712-05.01	WARNING LIGHTS (TYPE A)	EACH	23
(2)	712-06	SIGNS (CONSTRUCTION)	S.F.	634
	712-07.02	TEMPORARY BARRICADES (TYPE II)	L.F.	40
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	40
(1)	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	4
(3)	716-05.49	PAINTED PAVEMENT MARKINGS(8" LINE)	L.M.	1.9
(3)	716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	10292

FOOTNOTES:

(1) TO BE USED AS DIRECTED BY ENGINEER.
(2) SEE SHEET T2 FOR SCHEDULE, ADDITIONAL SIGNS INSTALLED AS DIRECTED BY THE ENGINEER SHALL BE PAID FOR AT THE UNIT COST FOR THIS ITEM.
(3) QUANTITY ESTIMATED ASSUMING APPLICATION RATES OF 2 PER PHASE 1, 2 PER PHASE 2
(4) THIS ITEM SHALL BE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIREMENTS OF AASHTO MASH FOR TEST LEVEL 3. THE PAY ITEM WILL INCLUDE FURNISHING AND INSTALLING ALL COMPONENTS AS SHOWN ON THE MANUFACTURER'S DRAWING.
(5) SEE SHEET 2F1 FOR DETAILED BREAKDOWN OF PAVING QUANTITIES.

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4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PHASING NOTES, LEGEND AND TABULATION

3/23/2026 8:00:46 AM
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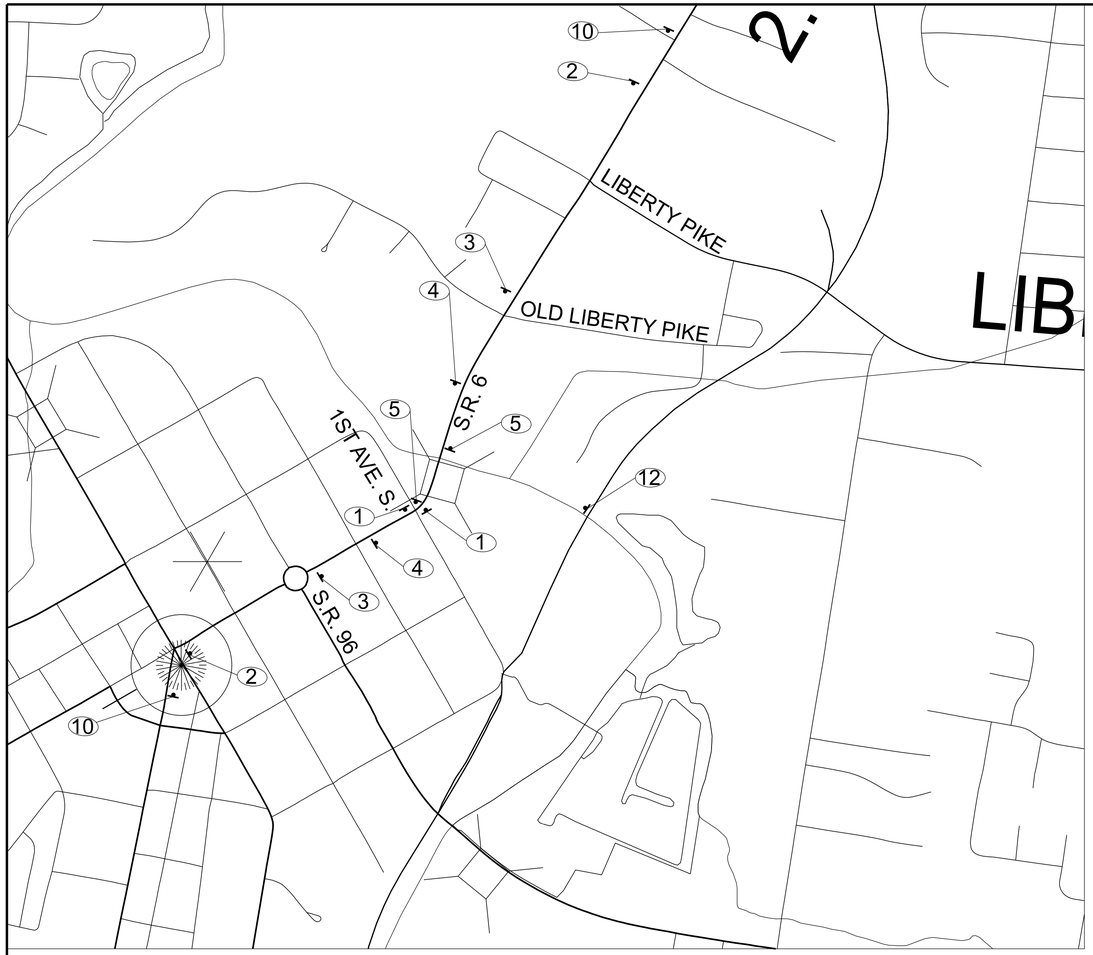


ADVANCED ROAD WORK SIGNING

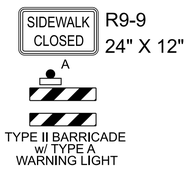
N.T.S

TRAFFIC CONTROL SIGNS

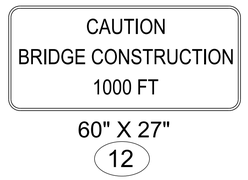
M.U.T.C.D. NO.	DESCRIPTION	SIZE	QUANT.	ITEM NO. 712-06 (S.F.)
D3-1	FRANKLIN RD.	24" X 6"	10	10
D12-5	TRAVEL INFO CALL 511	36" X 18"	2	9
G20-2	END ROAD WORK	36" X 18"	2	9
G20-5aP	WORK ZONE	24" X 18"	4	12
R2-1	SPEED LIMIT 20 MPH	24" X 30"	4	20
R5-2	TRUCKS NOT ALLOWED	24" X 24"	2	8
R9-9	SIDE WALK CLOSED	24" X 12"	5	10
R9-11	SIDE WALK CLOSED AHEAD	48" X 24"	2	16
R11-2	ROAD CLOSED	48" X 30"	4	40
M4-4	TRUCK	24" X 12"	10	20
M4-8a	END DETOUR	24" X 18"	2	6
M4-9L	DETOUR - RIGHT	30" X 24"	6	30
M4-9R	DETOUR - LEFT	30" X 24"	5	25
M6-2PL	DIAGONAL TURN ARROW	21" X 15"	2	4
TN-44	WORKERS PRESENT	78" X 60"	2	65
W1-3L	REVERSE CURVE SYMBOL - LEFT	48" X 48"	4	64
W8-11	UNEVEN LANES	48" X 48"	2	32
W8-15	GROOVED PAVEMENT	48" X 48"	2	32
W9-5a	BIKE LANE MERGE	18" X 18"	2	5
W20-1	ROAD WORK AHEAD	48" X 48"	3	48
W20-1	ROAD WORK 1/2 MILE	48" X 48"	2	32
W20-1	ROAD WORK 1000 FEET	48" X 48"	2	32
W20-1	ROAD WORK 500 FEET	48" X 48"	2	32
W20-2	DETOUR AHEAD	48" X 48"	1	16
-	RIVER TRAFFIC CONTROL SIGNS	60" X 27"	5	57
TOTAL			81	634

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	T3
PIH	2025	94004-3234-04	T3
PS&E	2026	94004-3234-04	T3

TYPE III BARRICADE ROAD CLOSURE w/ TYPE A WARNING LIGHTS



TYPE II BARRICADE w/ TYPE A WARNING LIGHT



60" X 27"

12

1

W20-1
48" X 48"

2

W20-1
48" X 48"

3

W20-1
48" X 48"

4

W20-1
48" X 48"

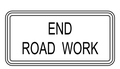
W20-7
48" X 48"

W8-11
48" X 48"

W1-3L
48" X 48"

W8-15
48" X 48"

TN-44
78" X 60"



G20-2
36" X 18"

5

D3-1
24" X 6"
M4-4
24" X 12"
M4-9L
30" X 12"

6

D3-1
24" X 6"
M4-4
24" X 12"
M4-9R
30" X 12"

7

D3-1
24" X 6"
M4-4
24" X 12"
M4-8a
24" X 18"

8

R5-2
24" X 24"

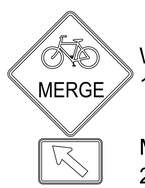
9

D12-5
48" X 48"

10

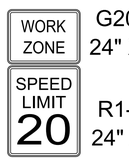
W20-2
48" X 48"

11



W9-5A
18" X 18"

M6-2PL
21" X 15"



G20-5ap
24" X 30"

R1-2
24" X 30"

R3-17
30" X 24"

R3-17bp
24" X 18"

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL
ADVANCE
WARNING
SIGNS

3/23/2026 8:01:33 AM
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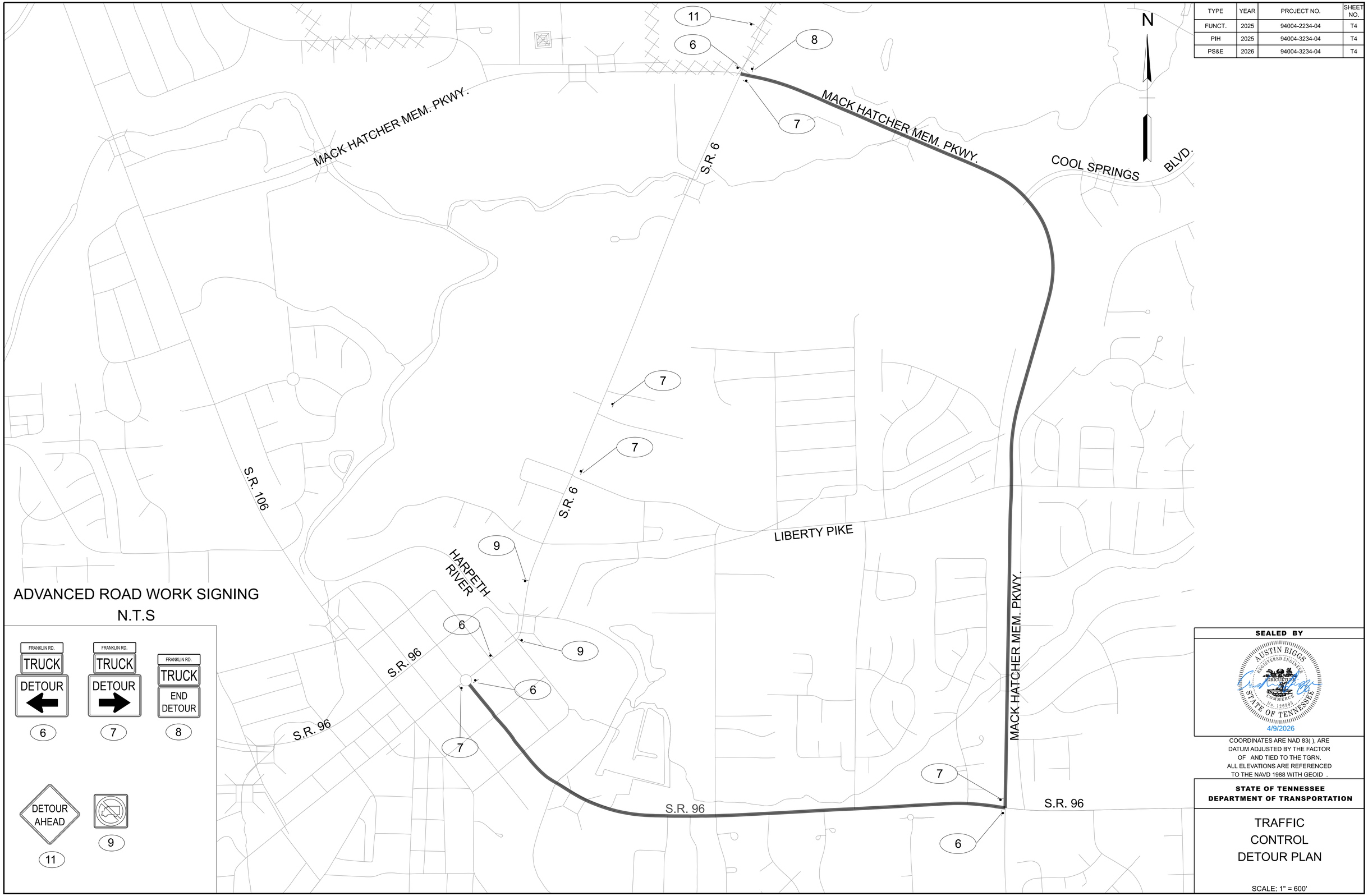
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	T4
PIH	2025	94004-3234-04	T4
PS&E	2026	94004-3234-04	T4



ADVANCED ROAD WORK SIGNING
N.T.S

SEALED BY

AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 126993
STATE OF TENNESSEE

4/9/2026

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETOUR PLAN

SCALE: 1" = 600'

3/23/2026 8:01:58 AM
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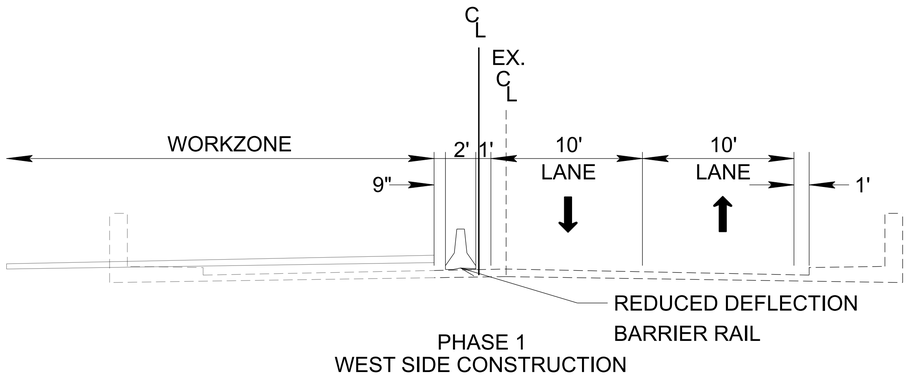
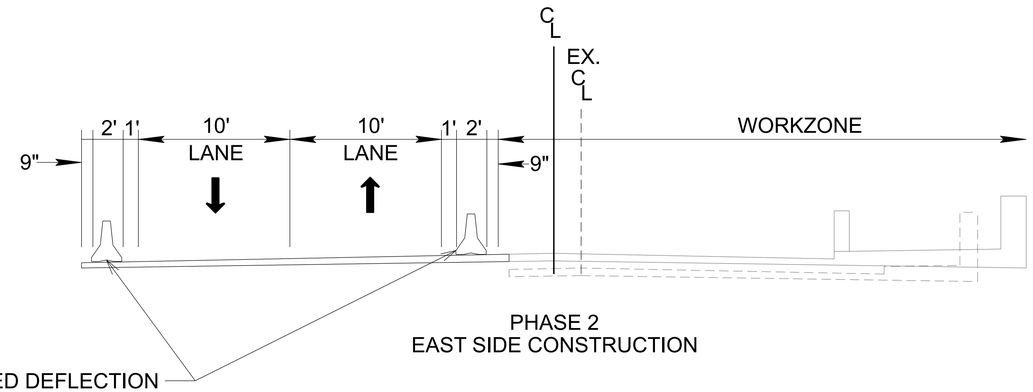
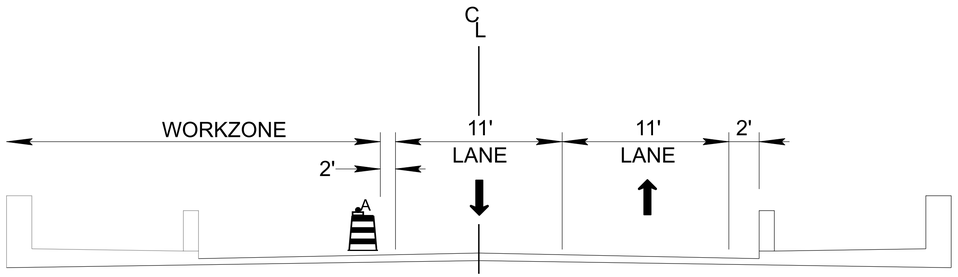
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	T5
PIH	2025	94004-3234-04	T5
PS&E	2026	94004-3234-04	T5



PHASE 1
WEST SIDE CONSTRUCTION



PHASE 2
EAST SIDE CONSTRUCTION



PHASE 3
WEST SIDEWALK FINISHES

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AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 126933
STATE OF TENNESSEE

4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL
TYPICAL
SECTIONS

3/23/2026 8:02:12 AM
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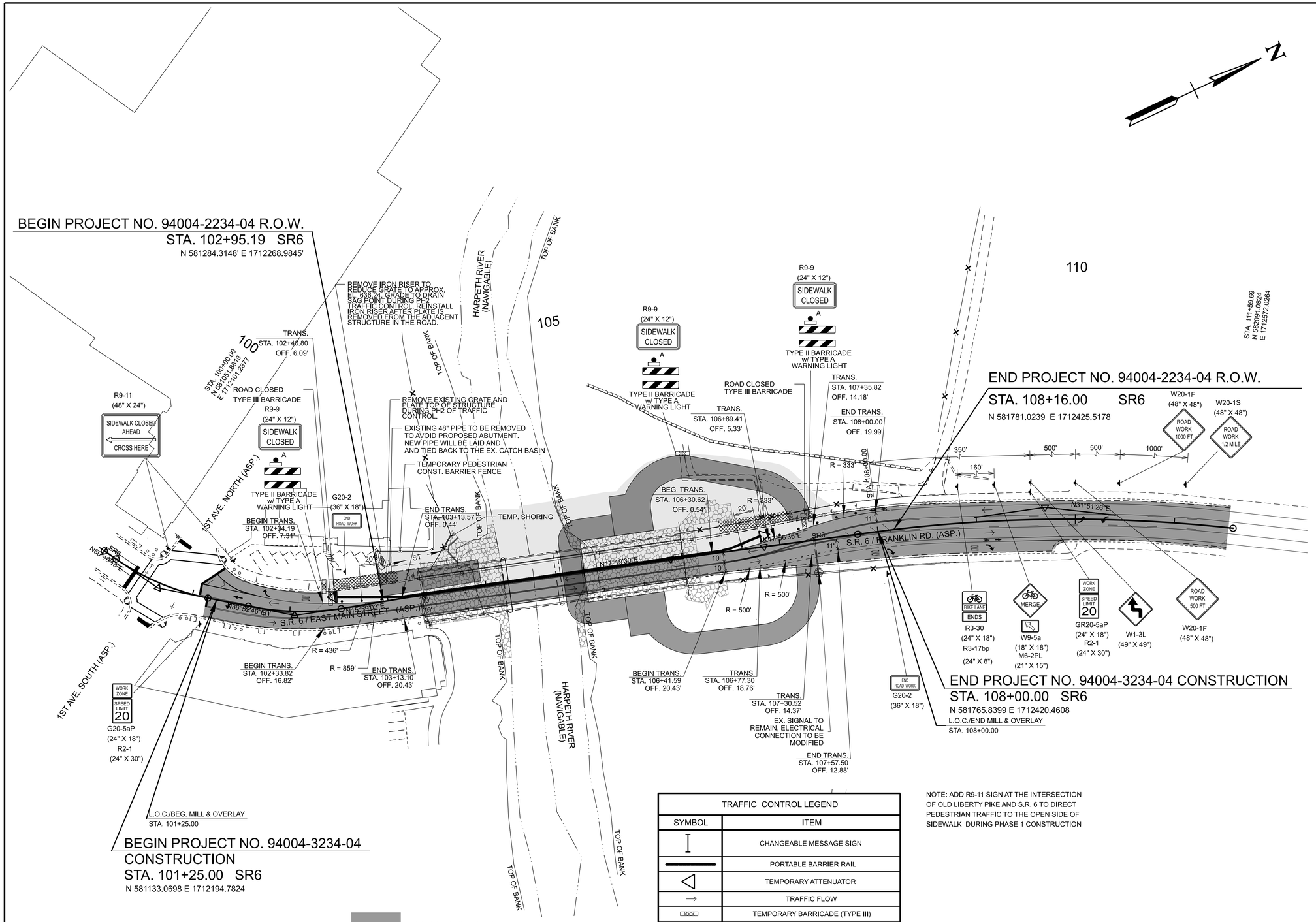
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	T6
PIH	2025	94004-3234-04	T6
PS&E	2026	94004-3234-04	T6



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	CHANGEABLE MESSAGE SIGN
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TRAFFIC FLOW
	TEMPORARY BARRICADE (TYPE III)
	TEMPORARY BARRICADE (TYPE II)
	SIGN (CONSTRUCTION)
	FLEXIBLE DRUMS (CHANNELIZING)
	WORK ZONE
	TRAVEL LANE
	TEMPORARY PAVEMENT
	TEMPORARY PAVEMENT (PREV. PHASE)

NOTE: ADD R9-11 SIGN AT THE INTERSECTION OF OLD LIBERTY PIKE AND S.R. 6 TO DIRECT PEDESTRIAN TRAFFIC TO THE OPEN SIDE OF SIDEWALK DURING PHASE 1 CONSTRUCTION

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AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 126931
STATE OF TENNESSEE
4/9/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PHASE 1

STA. 100+00.00 TO STA. 111+59.69
SCALE: 1" = 50'

3/23/2026 8:02:25 AM
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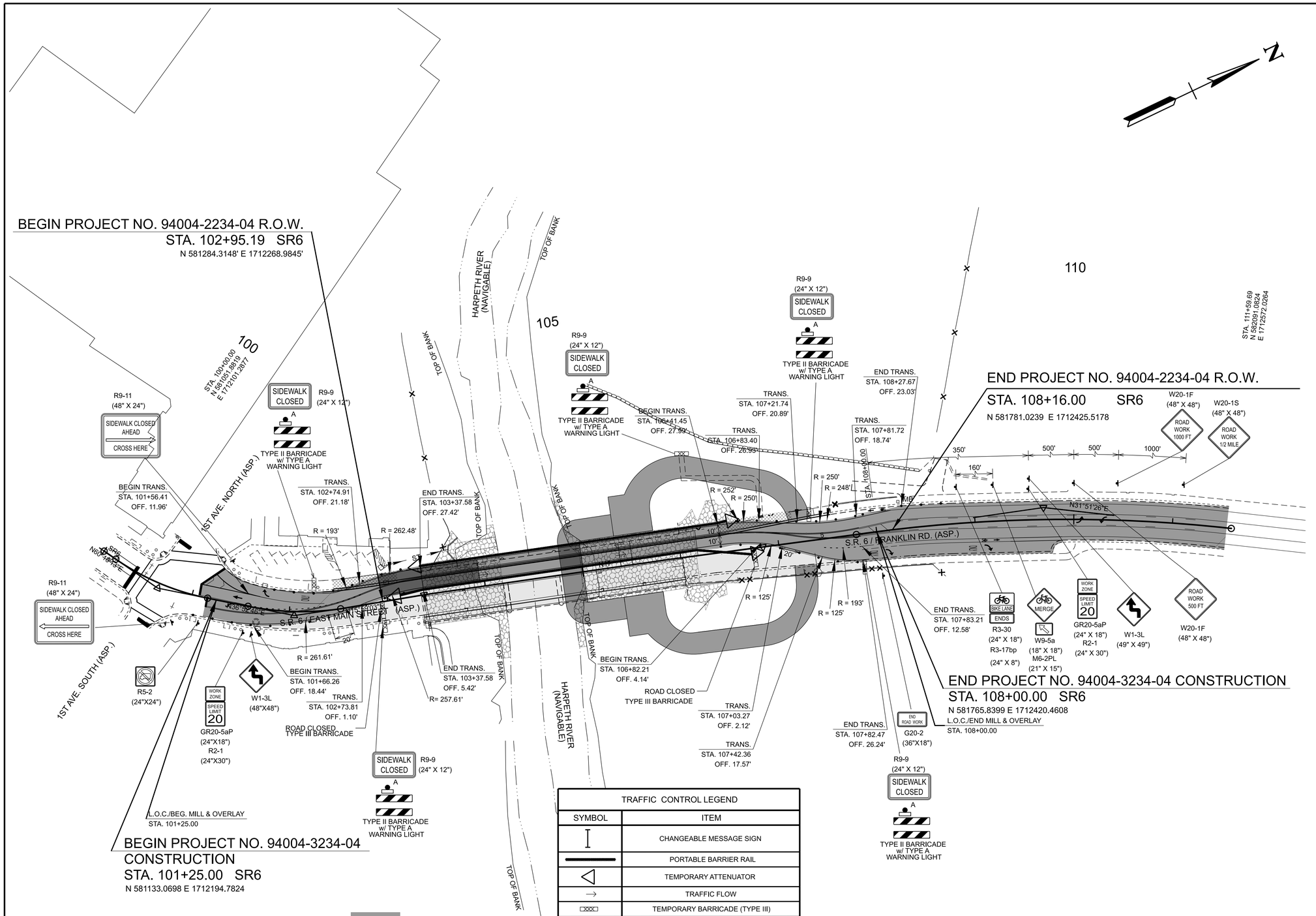
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	T7
PIH	2025	94004-3234-04	T7
PS&E	2026	94004-3234-04	T7



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	CHANGEABLE MESSAGE SIGN
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	TRAFFIC FLOW
	TEMPORARY BARRICADE (TYPE III)
	TEMPORARY BARRICADE (TYPE II)
	SIGN (CONSTRUCTION)
	FLEXIBLE DRUMS (CHANNELIZING)
	WORK ZONE
	TRAVEL LANE
	TEMPORARY PAVEMENT
	TEMPORARY PAVEMENT (PREV. PHASE)

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REGISTERED ENGINEER
AGRICULTURE
No. 126931
STATE OF TENNESSEE
4/9/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PHASE 2

STA. 100+00.00 TO STA. 111+59.69
SCALE: 1" = 50'

3/23/2026 8:02:41 AM
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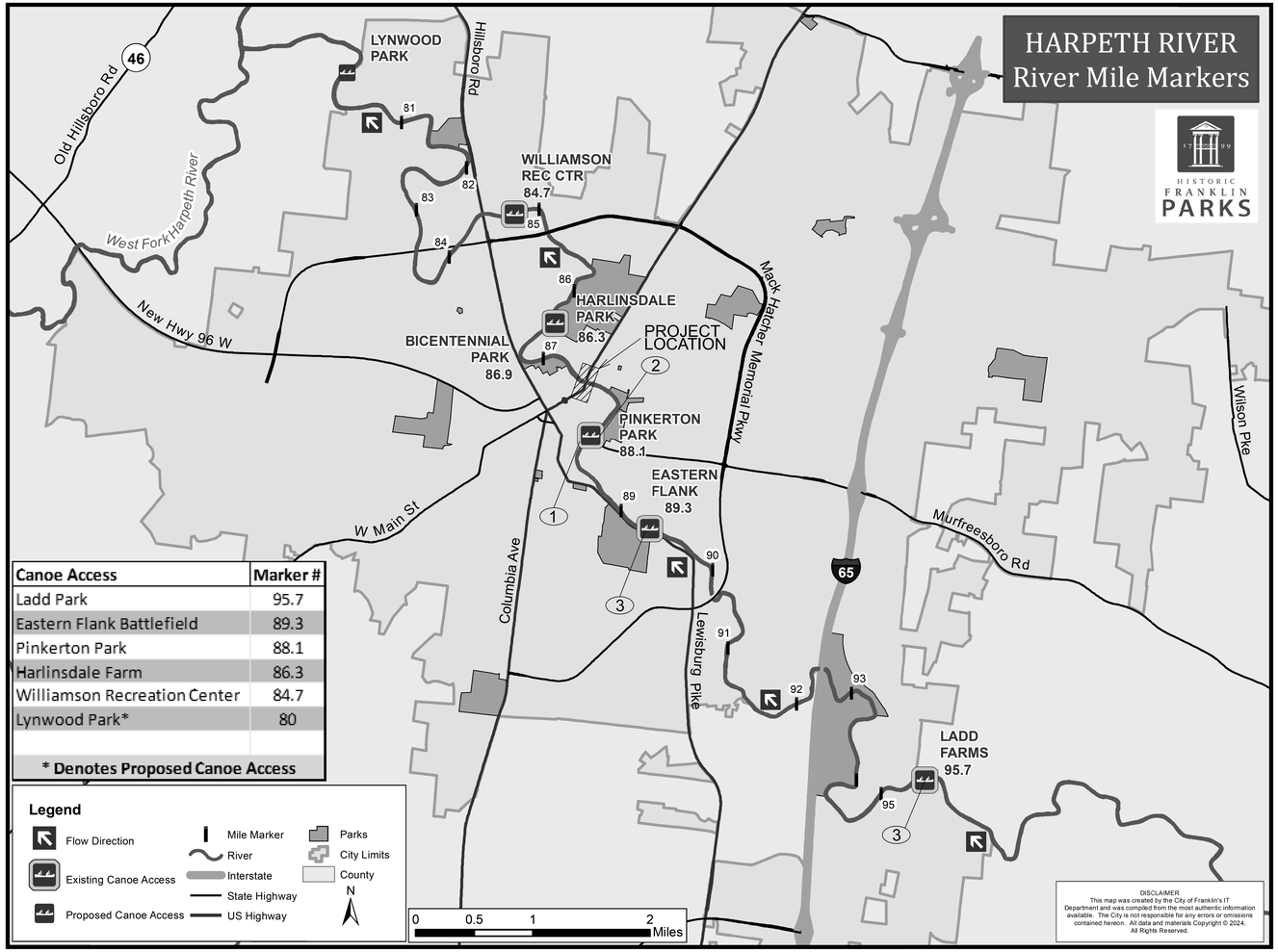
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	T8
PIH	2025	94004-3234-04	T8
PS&E	2026	94004-3234-04	T8



HARPETH RIVER CANOE ACCESS MAP

NOTES:

A) CONTRACTOR TO COORDINATE WITH TDOT REGION 3 COMMUNITY RELATIONS OFFICE TO SEND OUT NOTICE 2 WEEKS PRIOR TO RIVER CLOSURE TO THE STATE AND FEDERAL AGENCIES, BUSINESSES AND OTHER STAKEHOLDERS.

B) CONTRACTOR TO ENSURE THAT ALL RIVER TRAFFIC IS DIVERTED AT PINKERTON PARK DURING RIVER CLOSURES.

C) IF POSSIBLE RIVER CLOSURES TO TAKE PLACE AT OFF-PEAK RECREATIONAL TIMES OF THE YEAR.

D) RIVER CLOSURE SIGNS TO BE COVERED WHEN NOT IN USE.

PINKERTON PARK:

RIVER TRAFFIC CLOSED AHEAD EXIT HERE ➡ (1)

RIVER TRAFFIC CLOSED (2)

EASTERN FLANK:

RIVER TRAFFIC CLOSED AHEAD EXIT AT PINKERTON PARK (3)

LADD PARK:

RIVER TRAFFIC CLOSED AHEAD EXIT AT PINKERTON PARK (3)

SEALED BY

AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE COMMERCE
No. 135985
STATE OF TENNESSEE
4/9/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL
RIVER
CLOSURE
SIGNS

3/23/2026 8:03:00 AM
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THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Braden Wells Date: 2026.02.11 12:27:10 -06'00'

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

GRESHAM SMITH
222 2ND AVE. SOUTH
NASHVILLE, TN 37201
BRADEN WELLS, P.E. NO. 127387

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 SHEET	STRUCTURE-SIGN1
LAYOUT OF BRIDGE	U-100-664
INDEX OF DRAWINGS	U-100-665
BRIDGE GENERAL NOTES	U-100-666
ESTIMATED BRIDGE QUANTITIES	U-100-667
CONSTRUCTION SEQUENCE	U-100-669
CONSTRUCTION SEQUENCE	U-100-670
SUPERSTRUCTURE	U-100-671
SUPERSTRUCTURE DETAILS	U-100-672
SUPERSTRUCTURE DETAILS	U-100-673
SUPERSTRUCTURE DETAILS	U-100-674
SUPERSTRUCTURE DETAILS	U-100-675
PRESTRESSED BOX BEAM SPANS 1 & 4	U-100-676
PRESTRESSED BOX BEAM SPANS 2 & 3	U-100-677
ABUTMENT NO. 1	U-100-678
ABUTMENT NO. 1 DETAILS	U-100-679
ABUTMENT NO. 2	U-100-680
ABUTMENT NO. 2 DETAILS	U-100-681
PIER NO. 1	U-100-682
PIER NO. 2	U-100-683
PIER NO. 3	U-100-684
PIER NO. 1 - NO. 3 DETAILS	U-100-685
MISCELLANEOUS DETAILS	U-100-686
MISCELLANEOUS DETAILS	U-100-687
MISCELLANEOUS DETAILS	U-100-688
MISCELLANEOUS DETAILS	U-100-689
BILL OF STEEL	U-100-691
BILL OF STEEL	U-100-692

YEAR	PROJECT NO.	SHEET NO.
2026	94004-3234-04	STRUCTURE-SIGN 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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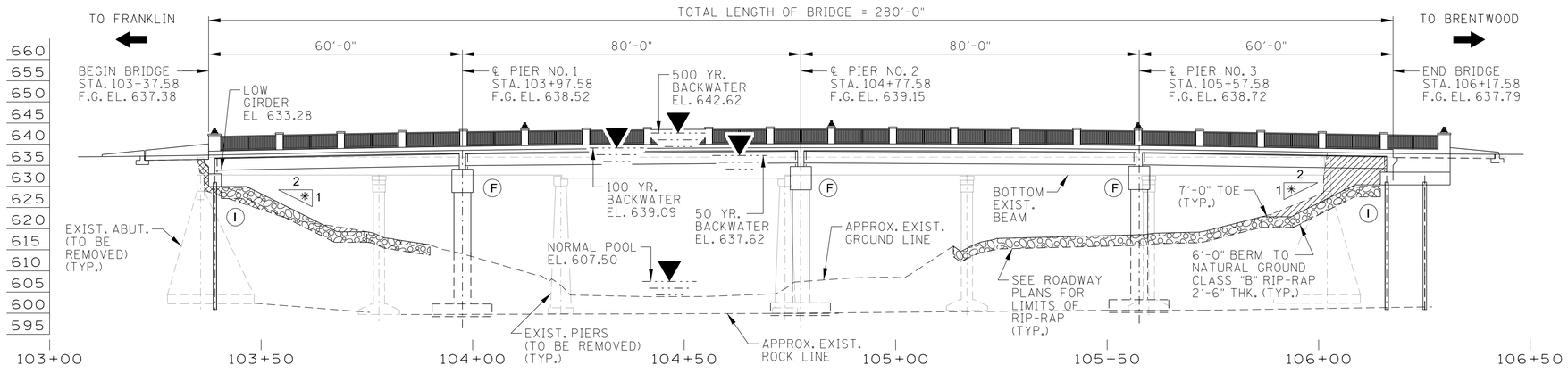
CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-1

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		



ELEVATION

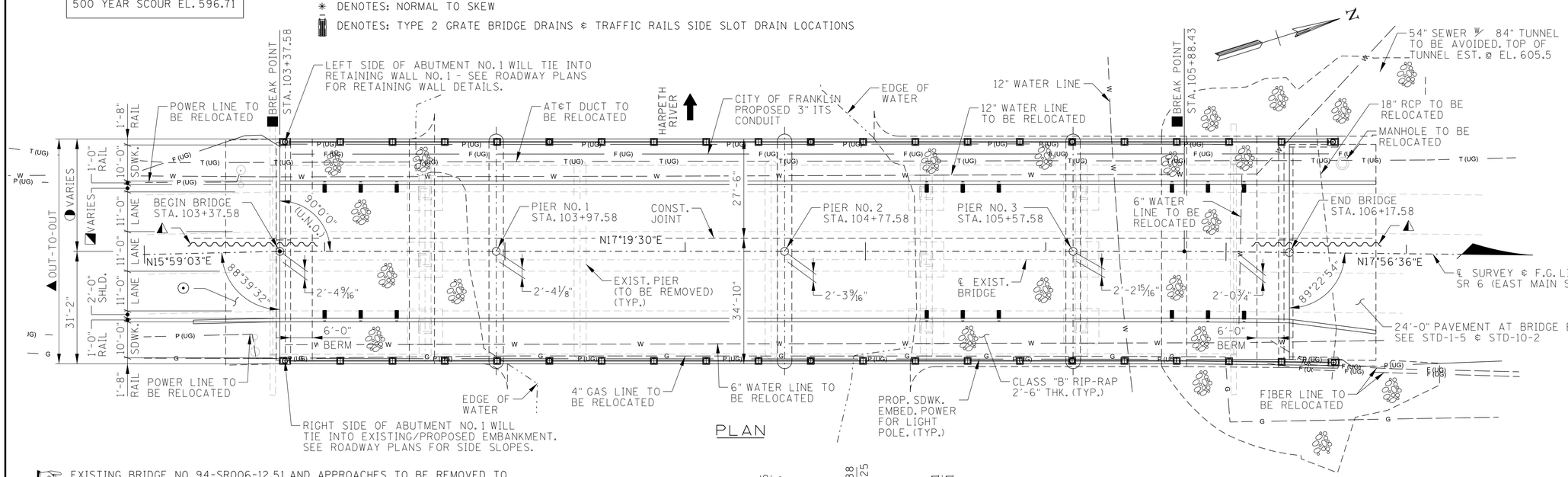
(F) DENOTES: FIXED
(I) DENOTES: INTEGRAL
✳ DENOTES: NORMAL TO SKEW
DENOTES: TYPE 2 GRATE BRIDGE DRAINS & TRAFFIC RAILS SIDE SLOT DRAIN LOCATIONS

DENOTES: AREA TO BE EXCAVATED AND PAID FOR AS ROADWAY ITEM
DENOTES: AREA TO BE FILLED AND PAID FOR AS ROADWAY ITEM

100 YEAR SCOUR EL. 594.48
500 YEAR SCOUR EL. 596.71

HYDRAULIC DATA:

DRAINAGE AREA = 179.18 SQ. MI.
DESIGN DISCHARGE (50 YR) = 22,905.00 CFS
WATER AREA PROVIDED
BELOW EL. 636.59 = 4201.55 FT²
50 YR BACKWATER = 0.30 FT @ EL. 637.62
50 YR VELOCITY = 5.45 FPS
ROADWAY OVERTOPPING EL. = 637.39
50 YR DISCHARGE = 22,905.00 CFS @ EL. 637.62
100 YR DISCHARGE = 26,400.00 CFS @ EL. 639.09



PLAN

EXISTING BRIDGE NO. 94-SR006-12.51 AND APPROACHES TO BE REMOVED TO NATURAL GROUND BETWEEN STATIONS 103+34.85± AND 106+02.85± .

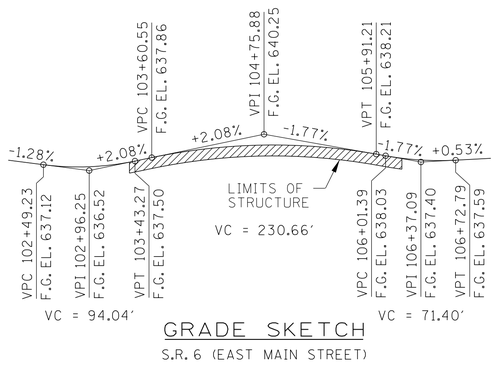
PROPOSED LIGHTING PLANS, QUANTITIES, AND PAY ITEMS ASSOCIATED WITH THE STREET LIGHTING ON THE BRIDGE ARE FOUND ON SHEET NO. L-1 THRU L-6 IN THE LIGHTING PLANS.

■ DENOTES: BREAKPOINT/P.I. IN ALIGNMENT. SEE ROADWAY PLANS FOR DETAILS AND SEE STAKEOUT PLAN ON DWG. NO. U-100-675.

◭ DENOTES: SHEET PILING REQUIRED FOR PHASE CONSTRUCTION

⊙ DENOTES: 15'-0" PAVEMENT AT BRIDGE END SEE STD-1-5, STD-10-2, & DWG. NO. U-100-688.

▲ DENOTES: VARIES FROM 62'-4" TO 62'-5¾"
◑ DENOTES: VARIES FROM 31'-2" TO 31'-5¾"
◪ DENOTES: SHOULDER VARIES FROM 2'-0" TO 2'-3¾"



GRADE SKETCH

S.R. 6 (EAST MAIN STREET)

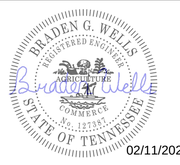
STA. 103+50
STA. 103+60
STA. 103+70
STA. 105+17
STA. 105+27
STA. 105+37
STA. 105+85
STA. 105+95
STA. 106+05

DECK DRAIN & SIDE SLOT LOCATIONS

(LEFT & RIGHT SIDE)

2043 ADT = 26,430
37'-0 " ROADWAY,
10'-0" SIDEWALK EACH SIDE, AND DECORATIVE RAILINGS
DESIGN SPEED = 30 MPH

SEALED BY



PIN NO.: 124873.00

DESIGN BY:	B. WELLS	DATE: 08/2025
DRAWN BY:	B. WELLS	DATE: 09/2025
SUPERVISED BY:	D. MCCRARY	DATE: 09/2025
CHECKED BY:	H. NEAL	DATE: 11/2025

Gresham Smith

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LAYOUT OF BRIDGE

STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-664

2/10/2026 10:34:04 PM
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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-2

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

LIST OF DRAWINGS

TITLE	DWG. NO.	LAST REV. DATE
SIGNATURE SHEET	STRUCTURE-SIGN1	
LAYOUT OF BRIDGE	U-100-664	
INDEX OF DRAWINGS	U-100-665	
BRIDGE GENERAL NOTES	U-100-666	
ESTIMATED BRIDGE QUANTITIES	U-100-667	
FOUNDATION DATA LAYOUT	U-100-668	
FOUNDATION DATA LAYOUT	U-100-668A	
CONSTRUCTION SEQUENCE	U-100-669	
CONSTRUCTION SEQUENCE	U-100-670	
SUPERSTRUCTURE	U-100-671	
SUPERSTRUCTURE DETAILS	U-100-672	
SUPERSTRUCTURE DETAILS	U-100-673	
SUPERSTRUCTURE DETAILS	U-100-674	
SUPERSTRUCTURE DETAILS	U-100-675	
PRESTRESSED BOX BEAM SPANS 1 & 4	U-100-676	
PRESTRESSED BOX BEAM SPANS 2 & 3	U-100-677	
ABUTMENT NO. 1	U-100-678	
ABUTMENT NO. 1 DETAILS	U-100-679	
ABUTMENT NO. 2	U-100-680	
ABUTMENT NO. 2 DETAILS	U-100-681	
PIER NO. 1	U-100-682	
PIER NO. 2	U-100-683	
PIER NO. 3	U-100-684	
PIER NO. 1 - NO. 3 DETAILS	U-100-685	
MISCELLANEOUS DETAILS	U-100-686	
MISCELLANEOUS DETAILS	U-100-687	
MISCELLANEOUS DETAILS	U-100-688	
MISCELLANEOUS DETAILS	U-100-689	
FINAL FOUNDATION DATA	U-100-690	
BILL OF STEEL	U-100-691	
BILL OF STEEL	U-100-692	

LIST OF STANDARD DRAWINGS

TITLE	DWG. NO.	LAST REV. DATE
STEEL SLIDER PLATE ASSEMBLIES FOR SINGLE SLOPE CONCRETE PARAPET AND BRIDGE DECK DRAIN DETAILS	STD-1-2SS	05-31-24
REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS	STD-1-5	06-05-23
STANDARD PILE DETAILS	STD-5-1	
STANDARD SEISMIC DETAILS	STD-6-1	12-08-23
STANDARD REINFORCING BAR SUPPORT DETAILS FOR CONCRETE SLABS	STD-9-1	10-07-08
MISCELLANEOUS ABUTMENT AND DRAINAGE DETAILS	STD-10-1	06-05-23
MISC. ABUTMENT AND PAVEMENT AT BRIDGE ENDS BACKFILL DETAILS	STD-10-2	06-05-23
STANDARD DETAILS FOR PRESTRESSED BOX BEAMS	STD-14-3	03-06-24

LIST OF SPECIAL PROVISIONS

NO.	REGARDING	REV. DATE
202ACM	REMOVAL OF ASBESTOS CONTAINING MATERIALS (ACM)	07-07-14
604CR	REPAIR OF BRIDGE DECK CRACKS	02-08-21

SEALED BY

BRADEN G. WELLS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 127251
STATE OF TENNESSEE

02/11/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INDEX OF DRAWINGS

STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-665

PIN NO.: 124873.00
DESIGN BY: B. WELLS DATE: 08/2025
DRAWN BY: B. WELLS DATE: 09/2025
SUPERVISED BY: D. MCCRARY DATE: 09/2025
CHECKED BY: H. NEAL DATE: 11/2025

Gresham Smith

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GENERAL NOTES

SPECIFICATIONS & LOADING

(1) **CONSTRUCTION SPECIFICATIONS**: TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (JANUARY 1, 2021 EDITION).

(2) **DESIGN SPECIFICATIONS:** 9TH EDITION (2021) AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND THE 2ND EDITION (2011) AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN WITH INTERIMS.

(3) **LOADING**:
- A. HL-93 LIVE LOAD INCREASED BY 10% (MULTIPLIED BY 1.1) IN ADDITION TO ALL LOAD FACTORS SPECIFIED BY AASHTO FOR ALL APPLICABLE LOAD COMBINATIONS
- B. SEISMIC DESIGN CATEGORY "A" WITH A_S=0.106. S_{DS}=0.255. S_{D1}=0.134. (1000 YEAR RETURN PERIOD)
- C. DEAD LOAD INCLUDES 35 LB/SQ. FT. FOR FUTURE WEARING SURFACE.

CONCRETE, REINFORCING & FORMING

(4) **CONCRETE:** TO BE CLASS A (CAST-IN-PLACE) F'C = 3000 PSI EXCEPT AS NOTED OTHERWISE.

(5) **BRIDGE DECKS:** CLASS D CONCRETE FOR BRIDGE DECKS SHALL BE IN ACCORDANCE WITH SECTION 604 OF THE STANDARD SPECIFICATIONS.

(6) **BRIDGE DECK SURFACE FINISH**: TO BE IN ACCORDANCE WITH METHOD 1 IN ARTICLE 604.22 OF THE STANDARD SPECIFICATIONS.

(7) **BRIDGE DECK FORMS**: BRIDGE DECK FORMS FOR CONCRETE DECKS SHALL BE CONSTRUCTED USING EITHER REMOVABLE FORMS OR PERMANENT FORMS. PERMANENT FORMS MAY BE EITHER REMAIN-IN-PLACE STEEL. FORMS SHALL BE ATTACHED BY MEANS OTHER THAN WELDING TO MAIN STRUCTURAL MEMBERS OR REINFORCING STEEL. TEMPORARY ERECTION DIAPHRAGMS MUST BE USED AT THE ENDS OF PRECAST CONCRETE GIRDERS WHERE END DIAPHRAGMS, SUPPORT DIAPHRAGMS, OR ABUTMENT ENDWALLS ARE TO BE POURED CONCURRENTLY WITH THE DECK AND SHALL BE PROVIDED ELSEWHERE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS TO PREVENT GIRDER ROTATION. SEE STANDARD DRAWING STD-14-3, AND ARTICLE 604.05 OF THE STANDARD SPECIFICATIONS.

(8) **REINFORCING STEEL**: SHALL BE ASTM A615 GRADE 60 UNLESS NOTED OTHERWISE. SEE SECTIONS 604 AND 907 OF THE STANDARD SPECIFICATIONS.

FOUNDATION ELEMENTS

(9) **FOUNDATION PREPARATION**: SEE SECTION 204 OF THE STANDARD SPECIFICATIONS. IF IT IS DETERMINED THAT COFFERDAMS ARE REQUIRED, THEY SHALL BE IN ACCORDANCE WITH SECTION 204.09 OF THE STANDARD SPECIFICATIONS.

(10) **SPREAD FOOTINGS FOR BENTS**: FOOTINGS SHALL BE EMBEDDED 6 INCHES INTO SOUND ROCK. AS AN ALTERNATE, FOOTINGS MAY BE PLACED DIRECTLY ON CLEAN, SOUND ROCK WITH #8 BARS (1'-0" EMB., 1'-0" PROJ.) SPACED AT 2'-0" MAXIMUM GRID WITH A MAXIMUM EDGE DISTANCE TO THE OUTER BARS OF 1'-6" ALONG BOTH THE LENGTH AND WIDTH OF THE FOOTINGS. AFTER EXCAVATION TO ROCK FOR FOOTING HAS BEEN COMPLETED, HOLES 6' DEEP SHALL BE DRILLED AT POINTS DESIGNATED BY THE ENGINEER. FROM THE RESULTS OBTAINED, THE ENGINEER OF STRUCTURES SHALL DETERMINE THE FINAL FOOTING ELEVATIONS. NO REINFORCING STEEL FOR BENT COLUMNS OR FOOTINGS SHALL BE ORDERED UNTIL FINAL FOOTING ELEVATIONS HAVE BEEN DETERMINED.

(11) **ABUTMENTS ON FILL**: THE FILLS AT THE ENDS OF THE BRIDGE SHALL BE IN PLACE AND THOROUGHLY COMPACTED BEFORE ANY ABUTMENT PILES ARE DRIVEN.

(12) **END-BEARING STEEL PILES:** TO BE HP10x42 DRIVEN TO REFUSAL ON ROCK OR A MINIMUM BEARING OF 109 TONS FOR THE ABUTMENTS. ALL PILES SHALL BE ASTM A709 GRADE 50 STEEL.

(13) **PILE TIPS:** PILES SHALL BE EQUIPPED WITH CAST STEEL POINTS. ALSO, SEE STANDARD DRAWING STD-5-1 FOR ADDITIONAL NOTES.

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

MISCELLANEOUS GENERAL NOTES

(15) **UTILITIES**: IT IS INTENDED THAT THE COST OF MATERIALS AND LABOR NECESSARY FOR THE COMPLETE INSTALLATION OF UTILITIES SHALL BE BORNE BY OTHERS AND SHALL NOT BE PAID FOR AS A PART OF THIS CONTRACT. THE CONTRACTOR SHALL COOPERATE WITH OTHERS IN THE INSTALLATION OF UTILITIES WITH NO ADDITIONAL COMPENSATION ALLOWED THE CONTRACTOR AS A RESULT.

(16) **SHOP DRAWINGS:** SEE SECTION 105.02 OF THE STANDARD SPECIFICATIONS.

(17) **BARRIER RAIL SYSTEMS**: BUILD RAILS AND COLUMNS ACCORDING TO DWG. NO. U-100-686, U-100-687, & U-100-689. THE TRAFFIC RAILS, PEDESTRIAN RAILS, AND PEDESTRIAN RAIL COLUMNS SHALL BE FORMED AND CAST PLUMB, NOT PERPENDICULAR TO THE SLAB. THE DIMENSIONS AT THE TRAFFIC FACE SHALL BE KEPT CONSTANT, WITH VARIATION DUE TO CROSS-SLOPE ACCOMMODATED AT THE REAR FACE.

(18) **RIP-RAP:** MACHINED RIP-RAP SHALL BE CLASS B IN ACCORDANCE WITH SECTION 709 OF THE STANDARD SPECIFICATIONS AND SHALL BE MEASURED AND PAID FOR UNDER ROADWAY ITEM NO.709-05.08.

(19) **VALUE ENGINEERING ALTERNATE BRIDGE DESIGN CRITERIA:** ALTERNATE BRIDGE DESIGN PROPOSALS MAY NOT DIMINISH THE FUNCTIONAL OR STRUCTURAL EQUIVALENCY OF THE BRIDGE AND MUST MEET OR EXCEED THE CAPACITIES OF THE CONTRACT PLANS STRUCTURE AT ALL LIMIT STATES IN AASHTO TABLE 3.4.1-1. ADDITIONALLY, THE WATERWAY OPENING AND FLOOD CLEARANCES MAY NOT BE REDUCED. FOR GRADE SEPARATIONS, THE HORIZONTAL CLEARANCES MAY NOT BE REDUCED, NOR MAY THE VERTICAL CLEARANCES BE LESS THAN THE MINIMUM ACCEPTABLE FOR THE TYPE FACILITY CROSSED.

(20) **POSTING LOAD LIMITS:** THE CONTRACTOR SHALL ERECT POSTING SIGNS AT EACH APPROACH TO THE EXISTING BRIDGE STATING THE LOAD LIMIT TO BE 40 TONS. ADDITIONALLY, THE CONTRACTOR SHALL MAINTAIN THE EXISTING STRUCTURE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE COST OF REQUIRED LABOR AND MATERIALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS.

(21) **REQUIREMENTS AND RESTRICTIONS FOR PHASE CONSTRUCTION**
- A. THE PHASE CONSTRUCTION SEQUENCE MAY PROHIBIT THE EXTRACTION OF SOME SHEET PILING. ALL COSTS ASSOCIATED WITH SHEET PILING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS.
- B. THE LOCATION OF LONGITUDINAL CONSTRUCTION JOINTS SHALL NOT BE CHANGED TO ACCOMMODATE STAY-IN-PLACE DECK FORMS.
- C. NO SHEET PILES OR BEARING PILES MAY BE DRIVEN FROM THE EXISTING OR PROPOSED STRUCTURE.
- D. 2 – 10 FT TRAFFIC LANES SHALL BE MAINTAINED AT ALL TIMES.

(22) **FINISHING CONCRETE SURFACES:** CONCRETE FINISHING SHALL BE IN ACCORDANCE WITH SECTION 604.21 OF THE STANDARD SPECIFICATIONS. A CLASS I FINISH FOLLOWED BY AN APPLIED TEXTURE FINISH SHALL BE USED IN LIEU OF A CLASS II FINISH. NO TEXTURE FINISH SHALL BE APPLIED PRIOR TO COMPLETION OF PAVING AND HAULING OPERATIONS AT THE BRIDGE SITE. THE APPLIED TEXTURE FINISH SHALL BE MEASURED AND PAID FOR UNDER ITEM NO. 604-04.01

SPECIAL NOTES

(23) **SPECIAL NOTE TO CONTRACTOR**: CONTRACTOR SHALL USE EXTREME CARE AND TAKE ANY MEASURES NECESSARY TO ENSURE THAT NO DEBRIS IS DROPPED INTO THE STREAM. ANY DEBRIS THAT IS ALLOWED TO DROP ON THE BANKS BELOW THE BRIDGE SHALL NOT BE ALLOWED TO ENTER THE STREAM AND SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. COST OF REMOVAL AND DISPOSAL OF DEBRIS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS.

(24) **ASBESTOS**: OUR ACM (ASBESTOS CONTAINING MATERIAL) SURVEY INDICATED THAT THIS BRIDGE CONTAINS ELEMENTS WITH ACM. TO MINIMIZE THE AMOUNT OF HAZARDOUS MATERIAL WASTE, THE ELEMENTS CONTAINING ASBESTOS SHALL BE REMOVED PRIOR TO DEMOLITION OF THE ENTIRE STRUCTURE. THE CONTRACTOR IS REQUIRED TO TAKE ALL MANDATORY SAFEGUARDS PRESCRIBED BY STATE AND FEDERAL LAW FOR BOTH WORKER PROTECTION AND HAZARDOUS MATERIAL DISPOSAL.

SPECIAL NOTES FOR UTILITES

(25) CARE SHALL BE TAKEN WHEN REMOVING BRIDGE COMPONENTS SO AS TO NOT DISTURB OR DAMAGE ANY UTILITIES.

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

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

(28) INSERTS FOR UTILITY HANGERS ARE REQUIRED AND ARE TO BE IN PLACE PRIOR TO POURING THE DECK. SEE UTILITY SHEETS FOR THE INSERTS, LOCATIONS, AND OTHER PERTINENT INFORMATION.

(29) **SPECIAL NOTE – EXISTING 54" SANITARY SEWER:** THE LOCATION AND LIMITS OF THE EXISTING 54-INCH SANITARY SEWER SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND HAVE NOT BEEN FIELD VERIFIED. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING ALL PHASES OF CONSTRUCTION, INCLUDING GRADING, PILE INSTALLATION, AND BRIDGE WORK, DUE TO THE CLOSE PROXIMITY OF THIS SEWER TO THE PROPOSED IMPROVEMENTS.
PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL:
- A. FIELD LOCATE AND VERIFY THE EXACT HORIZONAL AND VERTICAL POSITION OF THE EXISTING 54-INCH SANITARY SEWER.
- B. IMPLEMENT APPROPRIATE MEASURES TO PROTECT THE SEWER FROM DAMAGE THROUGHOUT THE DURATION OF THE PROJECT.
- C. COORDINATE WITH THE OWNER AND ENGINEER IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES ARE DISCOVERED.

THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR LOCATING, MAINTAINING, AND PROTECTING THE EXISTING SANITARY SEWER DURING CONSTRUCTION. ANY DAMAGE TO THE SEWER SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE OWNER.

CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-3

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
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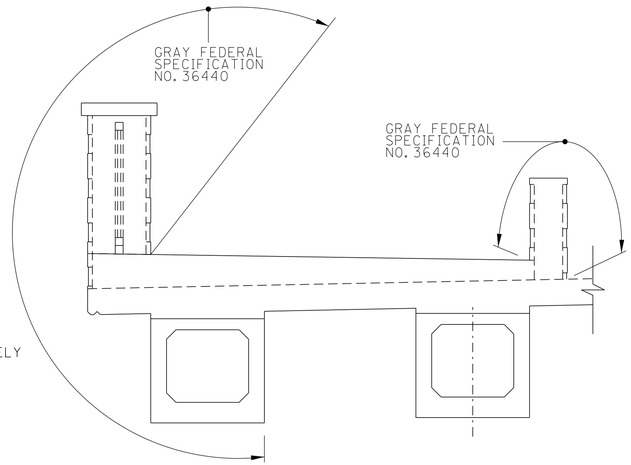
NOTES:

1. COLUMN POSTS FOR PEDESTRIAN RAIL TO RECEIVE TEXTURE COATING ON ALL EXPOSED FACES.
2. COST OF TEXTURE COATING SHALL BE INCLUDED IN ITEM NO. 604-04.01.
3. IN ADDITION TO THE SURFACES SHOWN IN THE APPLIED TEXTURE FINISH SKETCH, ALL EXPOSED SURFACES OF THE WINGWALLS, ABUTMENT, PIERS, AND EXTERIOR PORTIONS OF THE ENDWALLS SHALL RECEIVE AN APPLIED TEXTURE FINISH (GRAY, AMS-STD-595A, COLOR NO. 36440)
4. BEFORE APPLYING ANY TEXTURE FINISH, ALL SURFACES SHALL BE COMPLETELY CLEANED OF ALL DEBRIS AND FOREIGN MATERIALS.
5. THE CONTRACTOR SHALL USE CONTAINMENT SCREENS OR OTHER MEASURES AS NECESSARY TO PREVENT ANY TEXTURE COATING FROM ENTERING THE ENVIRONMENT. CONTAINMENT MEASURES SHALL BE APPROVED BY THE ENGINEER AND THE COST SHALL BE INCLUDED IN ITEM NO. 604-04.01.
6. WHEN APPLICABLE, TEXTURE COATING TO BE PLACED ON FORMLINED CONCRETE WHEN CONCRETE HAS APPROPRIATELY CURED.



APPLIED TEXTURE FINISH SKETCH

SEALED BY

02/11/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BRIDGE GENERAL NOTES

STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-666

PIN NO.: 124873.00
DESIGN BY: B. WELLS DATE: 08/2025
DRAWN BY: B. WELLS DATE: 09/2025
SUPERVISED BY: D. MCCRARY DATE: 09/2025
CHECKED BY: H. NEAL DATE: 11/2025

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-4

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
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ESTIMATED BRIDGE QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	94004-3234-04 QUANTITY	CITY OF FRANKLIN QUANTITY	SUPERSTRUCTURE	ABUTMENT NO. 1	PIER NO. 1	PIER NO. 2	PIER NO. 3	ABUTMENT NO. 2
(1)	202-01.05	REMOVAL OF ASBESTOS (UTILITY PIPING)	LS	1							
(2)	202-04.01	REMOVAL OF STRUCTURES (BRIDGE NO. 94-SR006-12.51)	LS	1							
(3)	204-02.01	DRY EXCAVATION (BRIDGES)	C.Y.	1303				497	18	788	
(4)	204-03.01	WET EXCAVATION (BRIDGES)	C.Y.	1093				418	326	349	
(5)	204-04.01	ROCK EXCAVATION (BRIDGES)	C.Y.	24				8	8	8	
(6)	204-05	ROCK DRILLING (BRIDGES)	L.F.	72				24	24	24	
(7)	303-01.02	GRANULAR BACKFILL (BRIDGES)	TON	89			37				52
(8)	602-10.05	BRACING REPAIRS	LS	1							
(9)	604-02.03	EPOXY COATED REINFORCING STEEL	LB.	186022		182554	1668				1800
(10)	604-03.01	CLASS A CONCRETE (BRIDGES)	C.Y.	430			39	113	112	111	55
(11)	604-03.02	STEEL BAR REINFORCEMENT (BRIDGES)	LB.	105571		2399	4799	31098	30570	29822	6883
(12)	604-03.04	PAVEMENT @ BRIDGE ENDS	S.Y.	259		259					
(13)	604-03.07	CLASS A CONCRETE (SIDEWALK)	C.Y.	118	82	200					
(14)	604-03.09	CLASS D CONCRETE (BRIDGE DECK)	C.Y.	460	64	524					
(15)	604-04.01	APPLIED TEXTURE FINISH (NEW STRUCTURES)	S.Y.	1798		1067	49	201	236	182	63
(16)	604-10.14	REMOVE EXISTING WEARING SURFACE	LS	1							
(17)	606-02.03	STEEL PILES (10 INCH)	L.F.	923			337				586
(18)	606-02.06	PILE TIPS (STEEL PILES, 10 INCH)	EACH	30			11				19
(19)	610-10.45	DECK DRAINS (GRATE INLET DRAIN - TYPE 2)	EACH	18		18					
(20)	615-02.05	PRESTRESSED CONCRETE BOX BEAM (33" X 36")	L.F.	1908	545	2453					
(21)	617-02	BRIDGE DECK CRACK SEALING	L.F.	321		321					
(21)	617-05	SEALANT (HMWM)	GAL.	2		2					
(22)	620-03.11	CONCRETE PARAPET (MEDIAN TRAFFIC BARRIER)	L.F.		560	560					
(23)	620-03.12	CONCRETE PARAPET (METAL PEDESTRIAN HANDRAIL WITH CONCRETE COLUMNS)	L.F.	590		590					
(24)	621-05.02	TEMPORARY SHORING	LS	1							
(25)	710-09.01	6" PERFORATED PIPE WITH VERTICAL DRAIN SYSTEM	L.F.	142			59				83
(26)	710-09.02	6" PIPE UNDERDRAIN	L.F.	38			16				22

FOOTNOTES:

(1) THE FOLLOWING ASBESTOS CONTAINING MATERIAL ELEMENTS WERE DETERMINED TO BE LOCATED ON THE EXISTING BRIDGE: ASBESTOS IS LOCATED IN THE EXISTING PARAPETS. 2" TRANSITE CONDUITS LINES. SEE SPECIAL PROVISION NO. 202ACM FOR ADDITIONAL DETAILS.

(2) LUMP SUM: COST OF REMOVAL OF EXISTING STRUCTURE AND APPROACHES. EXISTING BRIDGE CONSISTS OF REINFORCED CONCRETE DECK GIRDERS WITH CONCRETE MULTI-COLUMN BENTS AND WALL PIERS. EXISTING BRIDGE TOTAL LENGTH = 268'-0". ITEM ALSO INCLUDES ALL FORMWORK REQUIRED SO THAT NO DEBRIS IS ALLOWED TO FALL INTO THE RIVER BELOW.

(3) EXCAVATION BASED ON FINAL PROFILE ABOVE NORMAL POOL AT ABUTMENTS AND BENTS.

(4) EXCAVATION BASED ON FINAL PROFILE BELOW NORMAL POOL AT ABUTMENTS AND BENTS.

(5) EXCAVATION BASED ON NECESSARY ROCK EXCAVATION FOR FOUR (4) SPREAD FOOTINGS AT EACH PIER LOCATION

(6) ROCK DRILLING INCLUDES ALL COST OF LABOR AND EQUIPMENT TO DRILL A 6" CORE HOLE AT EACH PIER SPREAD FOOTING TO VERIFY ROCK COMPETENCY.

(7) INCLUDES ALL COSTS ASSOCIATED WITH THE PLACEMENT OF TYPE "A" GRADING "D" AGGREGATE ALONG THE BACK FACE OF THE BACKWALL ACCORDING TO STD. DWG. 10-2

(8) LUMP SUM: INCLUDES COSTS FOR ALL LABOR AND MATERIALS NECESSARY FOR ANY TEMPORARY FALSEWORK AND TEMPORARY SUPPORT FOR THE EXISTING OR NEW STRUCTURE FOR THE DURATION OF THE PROJECT. BRACING PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

(9) INCLUDES EPOXY COATED REINFORCING STEEL AS DENOTED BY THE SUFFIX "E" AS SHOWN IN THE PLANS AND ON THE BILL OF STEEL AS SHOWN ON DWG. NOS. U-100-691 & U-100-692.

(10) INCLUDES ALL LABOR AND MATERIAL TO PLACE CLASS "A" CONCRETE IN NEW ABUTMENT AND PIERS AS DETAILED THROUGHOUT THE PLAN SET. THE COST OF ALL MATERIALS FOR THE INSTALLATION OF XX ANCHOR BOLT ASSEMBLIES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLASS "A" CONCRETE (BRIDGES), ITEM NO. 604-03.01

(11) INCLUDES ALL LABOR AND MATERIALS TO INSTALL REINFORCING STEEL IN NEW SUPERSTRUCTURE, ABUTMENT AND PIERS AS DETAILED THROUGHOUT THE PLANS AND ON THE BILL OF STEEL AS SHOWN ON DWG. NOS. U-100-691 & U-100-692.

(12) ITEM INCLUDES ALL LABOR AND MATERIALS TO PLACE PAVEMENT AT BRIDGE ENDS AS DETAILED ON STD-DWG. STD-1-5 AND STD-10-2 AND AS SHOWN ON DWG. NO. U-100-688. PRIOR TO CONSTRUCTION OF PAVEMENT AT BRIDGE ENDS, THE CONTRACTOR SHALL SUBMIT A PROPOSED BILL OF STEEL TO THE ENGINEER FOR APPROVAL.

(13) ITEM INCLUDES ALL LABOR AND MATERIAL ASSOCIATED WITH THE PLACEMENT OF CLASS "A" CONCRETE FOR THE SIDEWALK AS SHOWN ON DWG. NOS. U-100-669 THRU U-100-674.

(14) ITEM INCLUDES ALL LABOR AND MATERIAL NECESSARY TO PLACE CLASS "D" CONCRETE IN THE BRIDGE DECKS AND DIAPHRAGMS AT THE PIERS AS DETAILED ON DWG. NOS. U-100-669 THRU U-100-674.

(15) ITEM INCLUDES ALL LABOR AND MATERIAL NECESSARY TO PLACE NEW APPLIED TEXTURE FINISH AS SHOWN ON APPLIED TEXTURE FINISH SKETCH FOR FULL LENGTH OF BRIDGE. ITEM ALSO INCLUDES PLACEMENT OF TEXTURE FINISH TO ALL EXPOSED SUBSTRUCTURE SURFACES (I.E. COLUMNS, CAP, ABUTMENT BEAM, ABUTMENT BACKWALL, WINGWALLS).

(16) INCLUDES COST OF ALL LABOR AND MATERIALS REQUIRED TO REMOVE AND DISPOSE OF THE EXISTING ASPHALT WEARING SURFACE (APPROXIMATE DEPTH = 5").

(17) INCLUDES ALL COSTS ASSOCIATED WITH DRIVING AND INSTALLATION OF THE PILES IN THE ABUTMENTS AS SHOWN ON DWG. NOS. U-100-678 THRU U-100-681.

(18) THE UNIT PRICE BID FOR THE CAST STEEL POINTS SHALL INCLUDE FURNISHING AND INSTALLATION TO THE PILES.

(19) ITEM INCLUDES COST OF DECK DRAIN ASSEMBLIES AND ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED FOR INSTALLATION AS DEPICTED ON STD. DWG. NO. STD-1-2SS AND DWG. NO. U-100-664. DISREGARD THE NOTE ON STD-1-2SS INSTRUCTING THAT THE DECK DRAINS BE PAID FOR UNDER THE PARAPET ITEM NUMBER.

(20) INCLUDES ALL COST AND MATERIALS FOR FABRICATION, DELIVERY, AND INSTALLATION OF PRECAST PRESTRESSED CONCRETE BOX BEAMS AS DETAILED ON DWG. NOS. U-100-676 AND U-100-677. COST OF ELASTOMERIC PADS AND RUBBER BONDING CEMENT TO BE INCLUDED IN THE UNIT PRICE BID FOR THE PRESTRESSED BEAMS.

(21) INCLUDES ALL COST AND MATERIAL FOR INSTALLING BRIDGE DECK CRACK SEALER (HMWM) INCLUDING CRACK PREPARATION, CLEANING, LABOR, AND ALL MISCELLANEOUS MATERIALS REQUIRED TO SEAL THE LONGITUDINAL CONSTRUCTION JOINT ACCORDING TO SPECIAL PROVISION 604CR AND MANUFACTURERS RECOMMENDATIONS.

(22) ITEM INCLUDES ALL LABOR AND MATERIALS ASSOCIATED WITH THE CONSTRUCTION OF THE INTERIOR MEDIAN RAILS AS SHOWN ON DWG. NOS. U-100-686 AND U-100-689. ITEM ALSO INCLUDES COST OF FURNISHING AND INSTALLING EPOXY COATED REINFORCING STEEL IN THE MEDIAN RAIL AND THE FORMLINER.

(23) ITEM INCLUDES ALL LABOR AND MATERIALS ASSOCIATED WITH THE CONSTRUCTION OF THE METAL PEDESTRIAN HANDRAIL AND THE COLUMNS BETWEEN THE HANDRAILS AS SHOWN ON DWG. NOS. U-100-686 AND U-100-687. ITEM ALSO INCLUDES COST OF FURNISHING AND INSTALLING EPOXY COATED REINFORCING STEEL IN THE COLUMNS, AND THE FORMLINER ON THE COLUMNS

(24) INCLUDES COST OF ALL LABOR AND MATERIALS, SUCH AS SHEET PILING, BRACING, ETC., TO TEMPORARILY SECURE AND STABILIZE COMPONENTS OF THE STRUCTURE DURING CONSTRUCTION.

(25) COST OF POLYETHYLENE SHEETING AND ALL MISCELLANEOUS ITEMS NECESSARY FOR INSTALLATION TO BE INCLUDED IN THE UNIT PRICE BID FOR PERFORATED PIPE.

(26) INCLUDES ALL LABOR AND MATERIALS TO INSTALL THE 6" PIPE UNDERDRAIN AT EACH ABUTMENT AS DETAILED IN STD. DWG. NO. STD-10-1.

SEALED BY

02/11/2026

PIN NO.: 124873.00

DESIGN BY:	B. WELLS	DATE: 08/2025
DRAWN BY:	B. WELLS	DATE: 09/2025
SUPERVISED BY:	D. MCCRARY	DATE: 09/2025
CHECKED BY:	H. NEAL	DATE: 11/2025

Gresham Smith

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
BRIDGE QUANTITIES
STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-667

2/10/2026 10:35:28 PM
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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-5

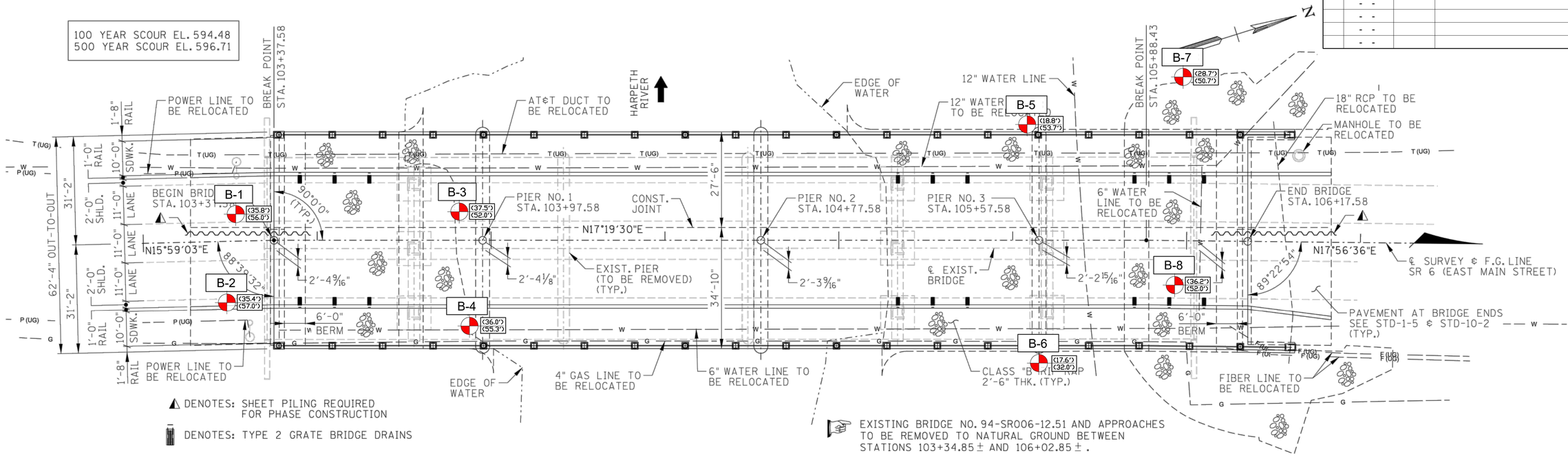
REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

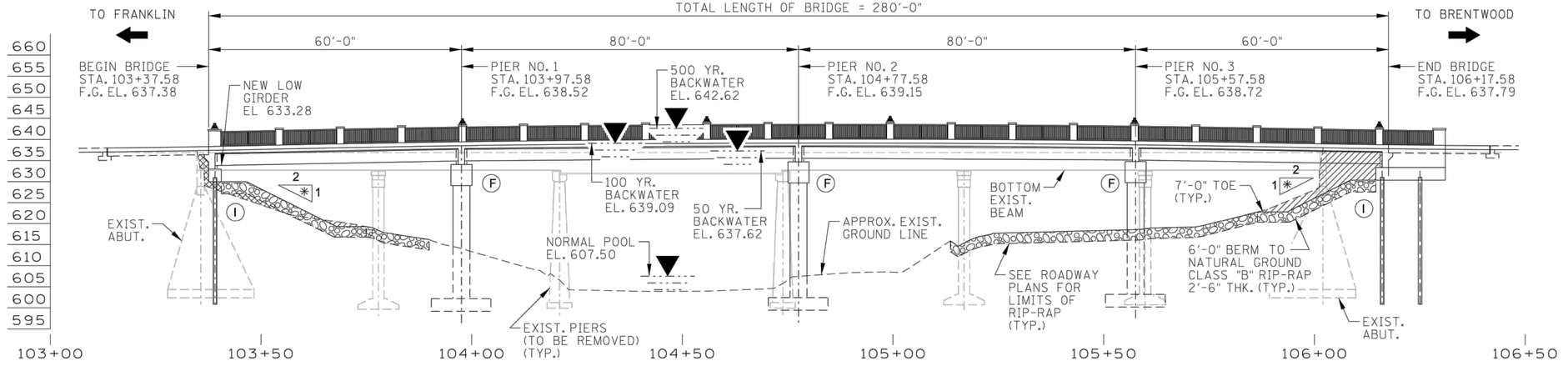
LEGEND

BORING NO.

(xx.x') BORING LOCATION WITH:
(xx.x') DEPTH TO REFUSAL (ABOVE LINE)
BOTTOM OF HOLE (BELOW LINE)



PLAN VIEW



ELEVATION VIEW

NOTE: THIS DRAWING IS FOR FOUNDATION DATA ONLY AND IS NOT TO BE USED AS A LAYOUT.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

FOUNDATION DATA LAYOUT
STATE ROUTE 6 OVER HARPETH RIVER
STA. 104+77.58
WILLIAMSON COUNTY
2026

Gresham Smith

U-100-668

CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-6

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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	- -		
	- -		
	- -		
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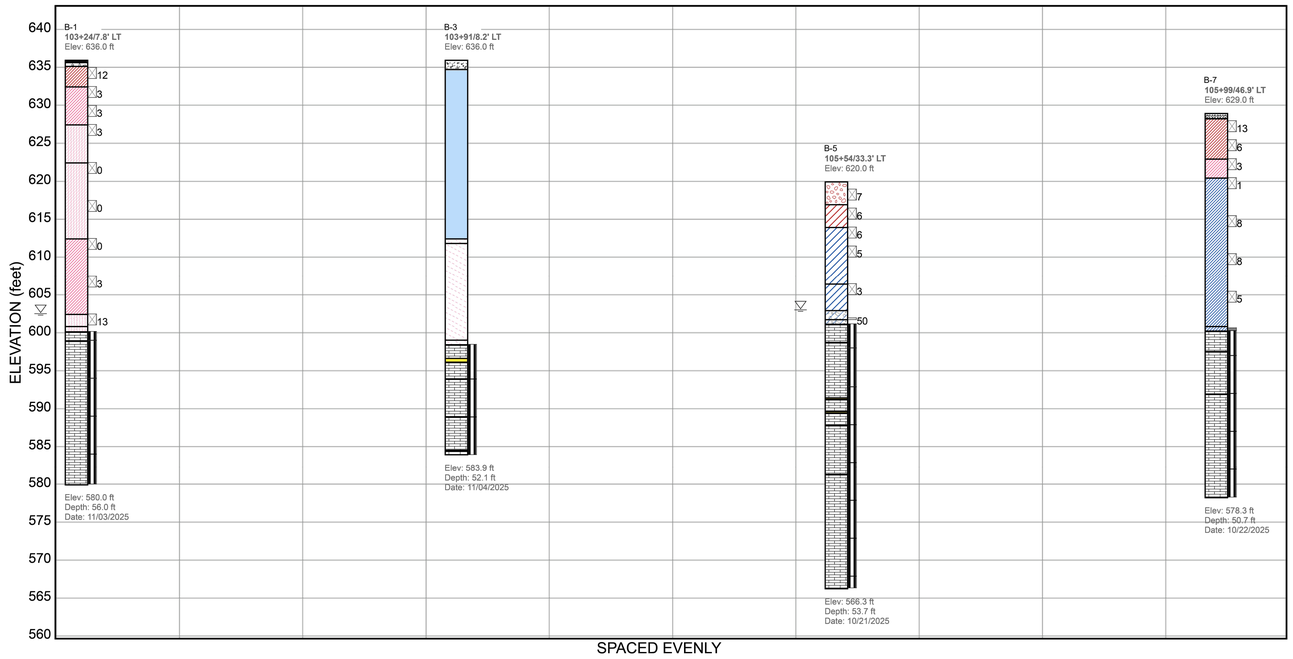
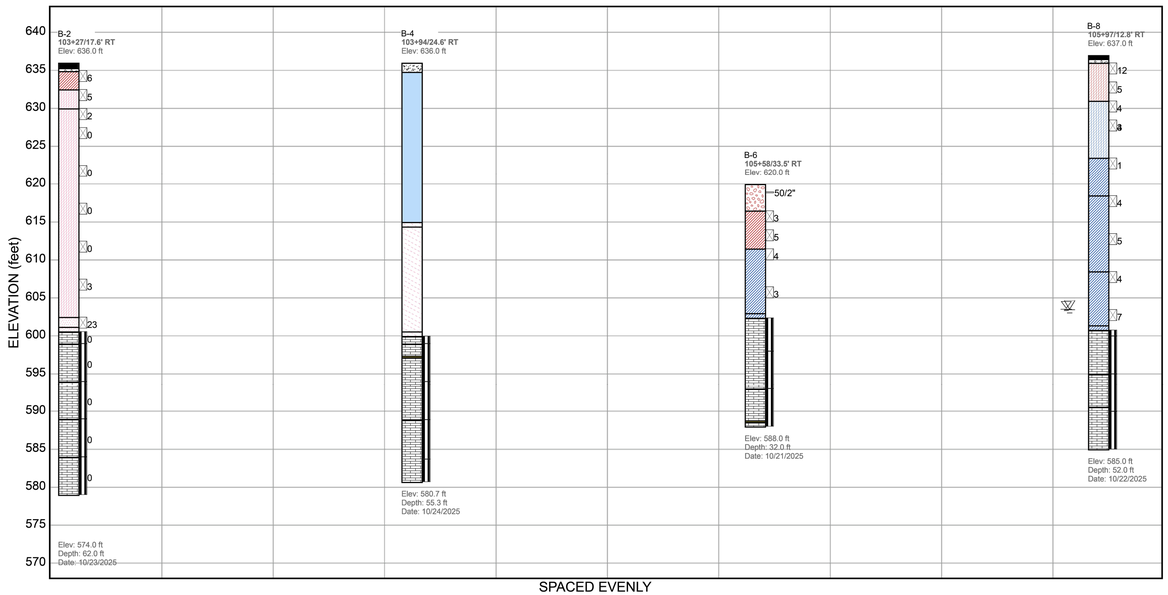


BORING SECTIONS

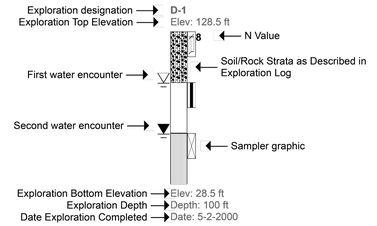


BORING SECTIONS

GROUND AND ROCK ELEVATIONS

BORING	ESTIMATED ELEVATION (FT.)	ROCK DEPTH (FT.)	ROCK ELEVATION	TOTAL DEPTH	STATION NUMBER	OFFSET (FT.)
B-1	636.0	35.8	600.2	56.0	103+24	7.8 LT
B-2	636.0	35.4	600.6	57.0	103+27	17.6 RT
B-3	636.0	37.5	598.5	52.0	103+91	8.2 LT
B-4	636.0	36.0	600.0	55.3	103+94	24.6 RT
B-5	620.0	18.8	601.2	53.7	105+54	33.3 LT
B-6	620.0	17.6	602.4	32.0	105+58	33.5 RT
B-7	629.0	28.7	600.3	50.7	105+99	46.9 LT
B-8	637.0	36.2	600.8	52.0	105+97	12.8 RT

EXPLORATION LOG LEGEND



LEGEND KEY

NOTE: THIS DRAWING IS FOR FOUNDATION DATA ONLY AND IS NOT TO BE USED AS A LAYOUT.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

FOUNDATION DATA LAYOUT
STATE ROUTE 6 OVER HARPETH RIVER
STA. 104+77.58
WILLIAMSON COUNTY
2026

Gresham Smith

U-100-668A

CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-7

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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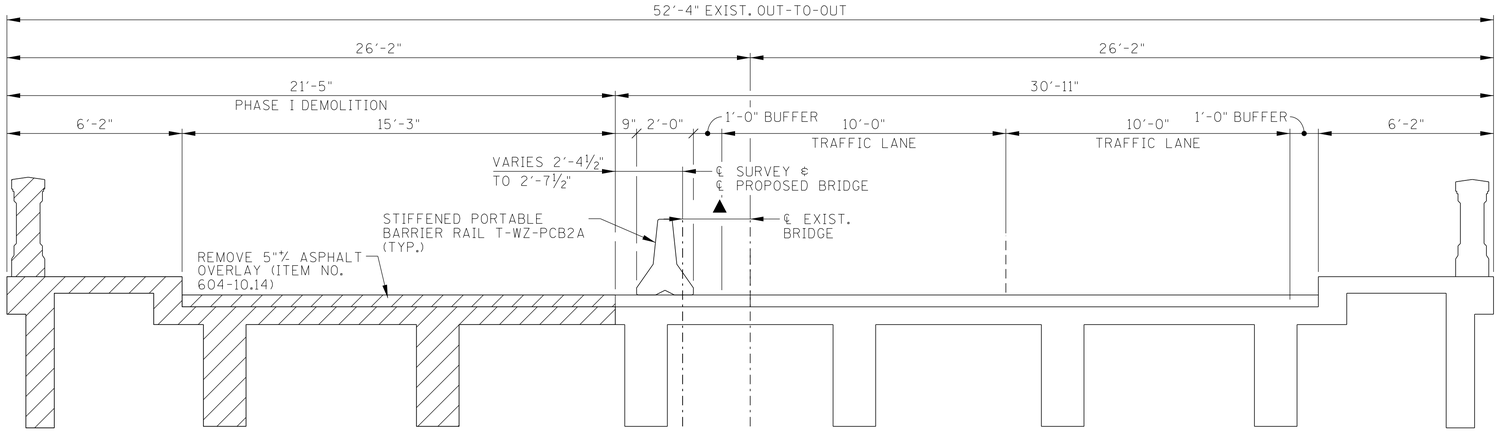
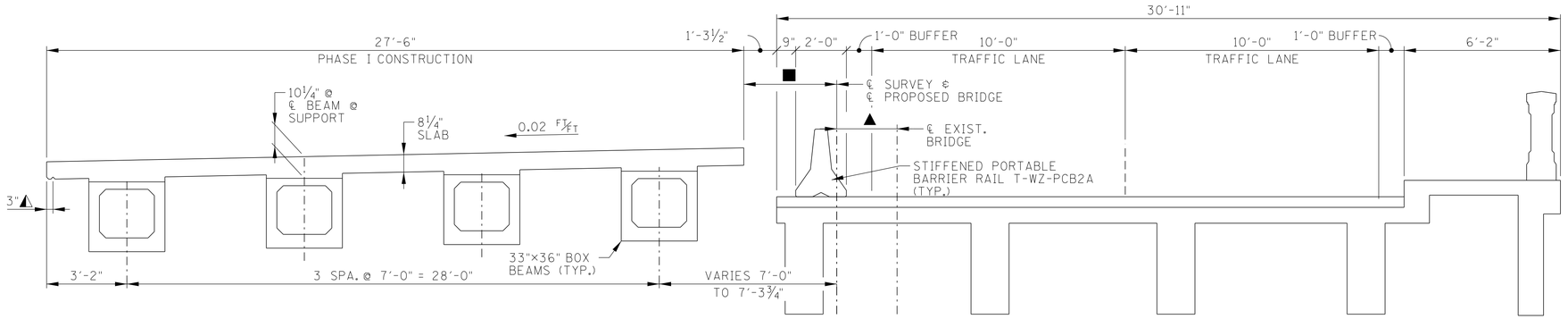
	- -		
	- -		



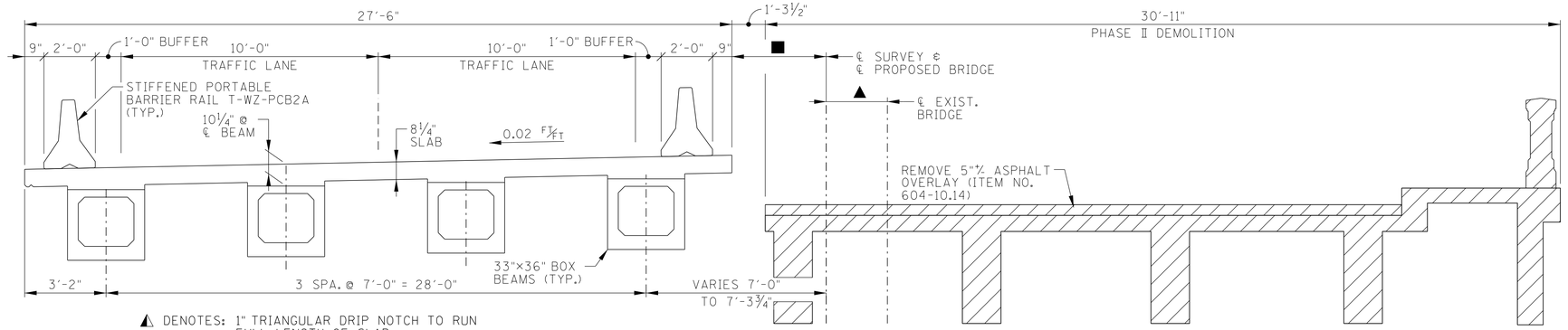
PHASE I DEMOLITION

(LOOKING FORWARD ON SURVEY)



PHASE I CONSTRUCTION

(LOOKING FORWARD ON SURVEY)



PHASE II DEMOLITION

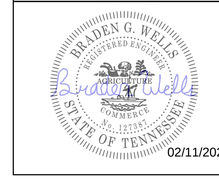
(LOOKING FORWARD ON SURVEY)

▲ DENOTES: 1" TRIANGULAR DRIP NOTCH TO RUN FULL LENGTH OF SLAB

▲ DENOTES: VARIES FROM 2'-4 9/16" @ ABUT. NO. 1 TO 2'-0¾" @ EXISTING ABUT. NO. 2

■ DENOTES: 3'-8" FROM STA. 103+37.58 TO STA. 105+88.43, THEN VARIES FROM 3'-8" TO 3'-11¾" TO STA. 106+17.58

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION SEQUENCE

STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-669

PIN NO.: 124873.00
DESIGN BY: B. WELLS DATE: 08/2025
DRAWN BY: B. WELLS DATE: 09/2025
SUPERVISED BY: D. MCCRARY DATE: 09/2025
CHECKED BY: H. NEAL DATE: 11/2025

Gresham Smith

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-8

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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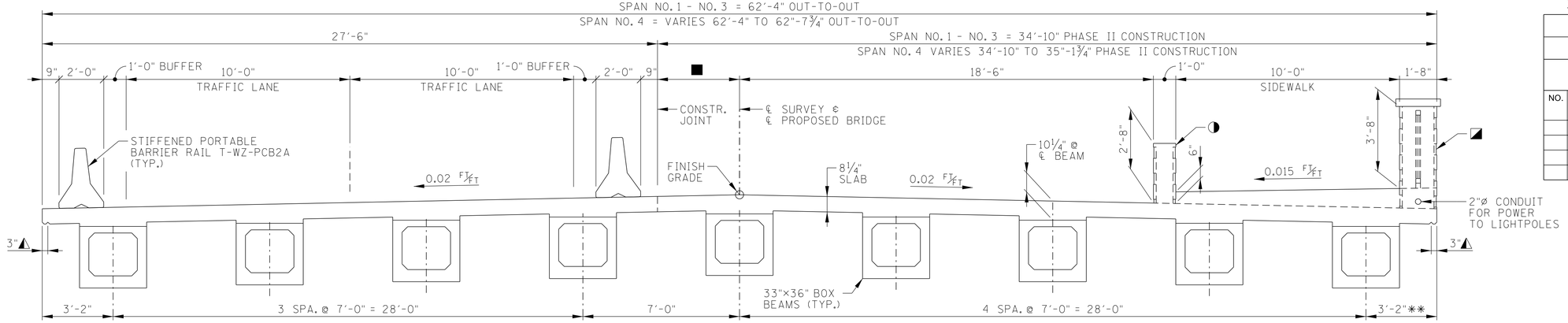
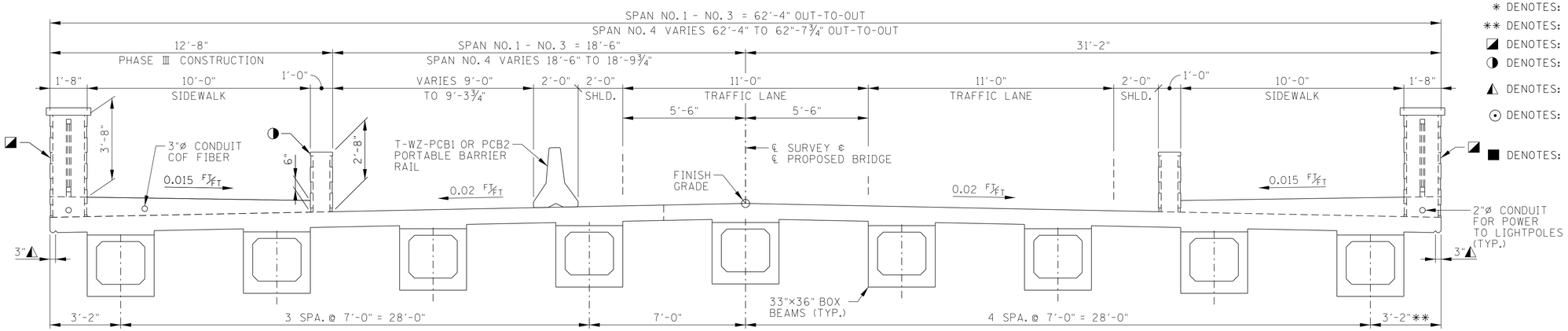


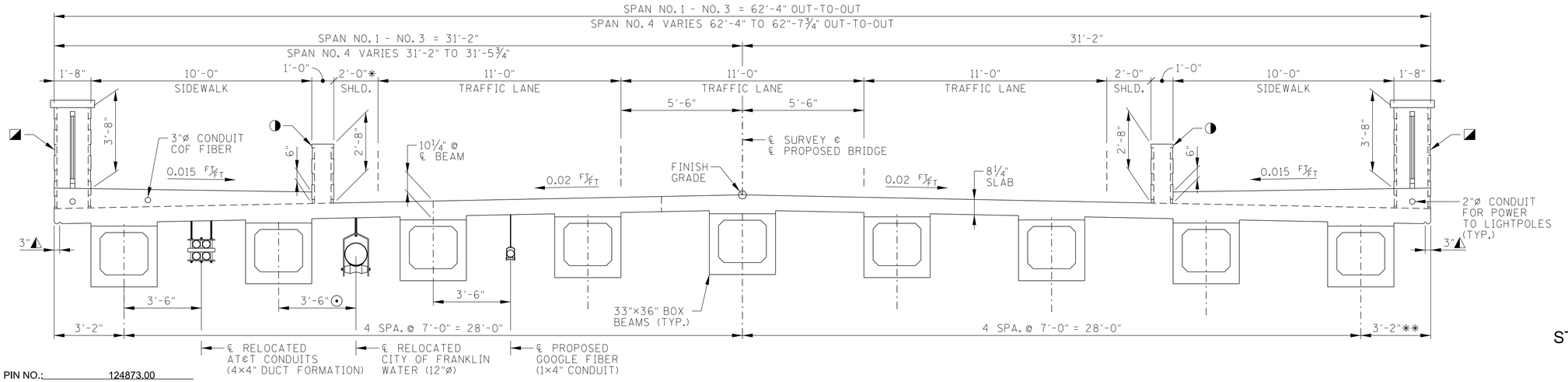
PHASE II CONSTRUCTION

(LOOKING FORWARD ON SURVEY)



PHASE III CONSTRUCTION

(LOOKING FORWARD ON SURVEY)



TYPICAL CROSS-SECTION

(LOOKING FORWARD ON SURVEY)

* DENOTES: SPAN NO. 4 VARIES FROM 2'-0" TO 2'-3¾"

** DENOTES: SPAN NO. 4 VARIES FROM 3'-2" TO 3'-5¾"

◪ DENOTES: PEDESTRIAN RAIL COLUMN

◑ DENOTES: FORMLINED BARRIER RAIL W/ SLOPED END TREATMENT (WHERE APPLICABLE)

◭ DENOTES: 1" TRIANGULAR DRIP NOTCH TO RUN FULL LENGTH OF SLAB

⊙ DENOTES: PROVISIONS SHALL BE MADE TO AVOID HANGER ASSEMBLY EMBEDDED BARS CONFLICTING WITH DECK DRAIN LOCATIONS

■ DENOTES: 3'-8" FROM STA. 103+37.58 TO STA. 105+88.43, THEN VARIES FROM 3'-8" TO 3'-11¾" TO STA. 106+17.58

PIN NO.:	124873.00	
DESIGN BY:	B. WELLS	DATE: 08/2025
DRAWN BY:	B. WELLS	DATE: 09/2025
SUPERVISED BY:	D. MCCRARY	DATE: 09/2025
CHECKED BY:	H. NEAL	DATE: 11/2025

Gresham Smith

SEALED BY

BRADEN G. WELLS REGISTERED ENGINEER AGRICULTURE 47 COMMERCE No. 127357 STATE OF TENNESSEE

02/11/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION SEQUENCE

STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-670

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-9

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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	- -		
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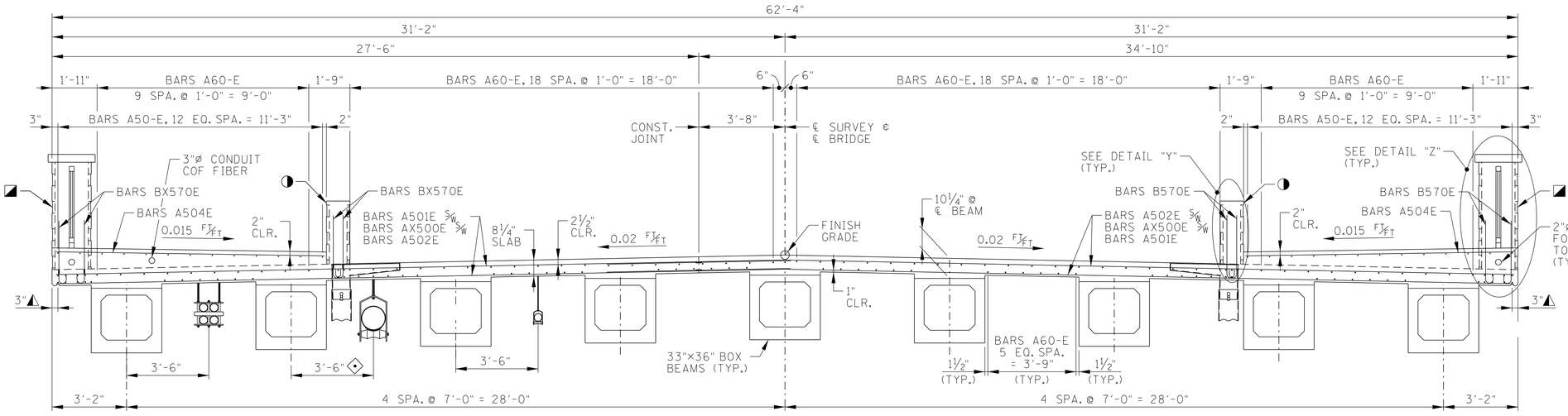


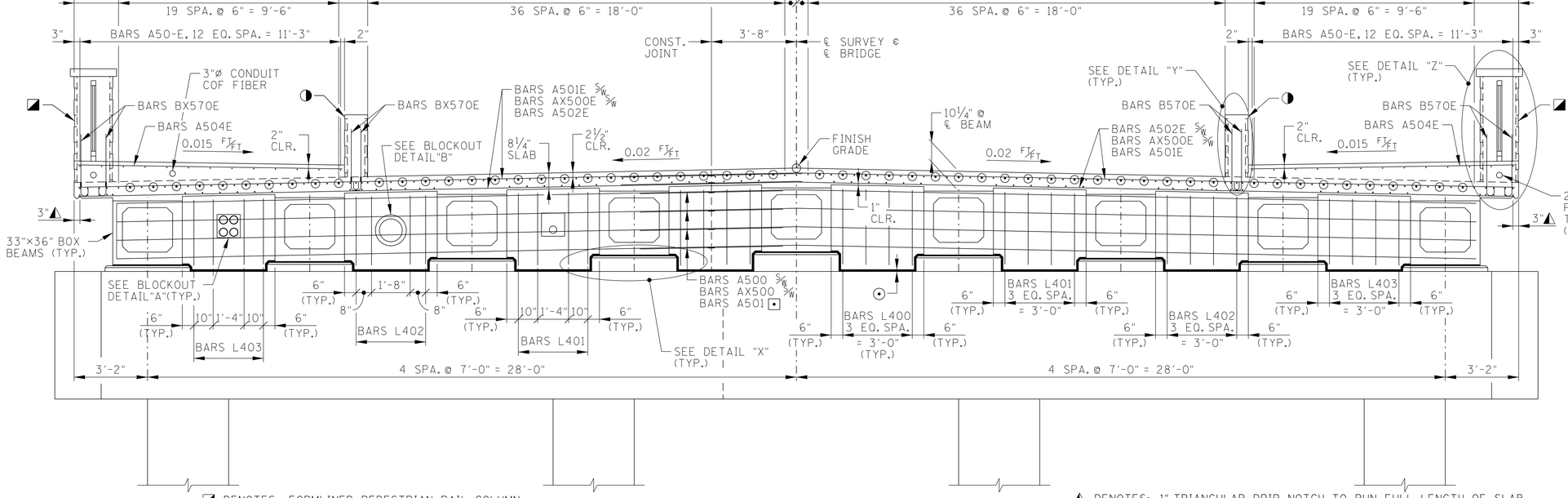
◈ DENOTES: PROVISIONS SHALL BE MADE TO AVOID HANGER ASSEMBLY EMBEDDED BARS CONFLICTING WITH DECK DRAIN LOCATIONS

TYPICAL SECTION @ MIDSPAN

(LOOKING FORWARD ON SURVEY)
(FROM STA. 103+37.58 TO 105+88.43)

NOTE: SEE DWG. NO. U-100-672 FOR DETAIL "X", DETAIL "Y", & DETAIL "Z"

NOTE: SEE DWG. NO. U-100-672 FOR BLOCKOUT DETAIL "A" & BLOCKOUT DETAIL "B"



◪ DENOTES: FORMLINED PEDESTRIAN RAIL COLUMN

◑ DENOTES: FORMLINED BARRIER RAIL ½ SLOPED END TREATMENT

TYPICAL SECTION @ PIERS

(LOOKING FORWARD ON SURVEY)

◭ DENOTES: 1" TRIANGULAR DRIP NOTCH TO RUN FULL LENGTH OF SLAB

⊙ DENOTES: 1" BITUMINOUS FIBERBOARD (TYP.)

⊡ DENOTES: CUT A50- BARS AS NECESSARY TO LEAVE 2" CLR. TO BLOCKOUTS

GENERAL NOTES:

1) NO PORTION OF THE SIDEWALK, CONCRETE BARRIER RAILS, OR PEDESTRIAN RAIL SHALL BE POURED UNTIL THE ENTIRE DECK SLAB IS IN PLACE.

2) OUTSIDE EDGE OF SLAB AND RAILS TO CONFORM TO HORIZONTAL BREAK POINTS WHERE APPLICABLE.

3) ANCHOR BOLTS AT BENTS: ANCHOR BOLT ASSEMBLIES AT BENTS SHALL BE IN ACCORDANCE WITH STANDARD DRAWING STD-6-1.

4) WHEN POURING SLAB, PROVISIONS SHALL BE MADE FOR SETTING REINFORCING STEEL OR COUPLERS FOR BARRIER RAILS. THE PARAPET SHALL NOT BE POURED UNTIL THE SLAB IS POURED AND CURED.

5) THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SUPPORTING THE BEAMS TO PREVENT DAMAGE DUE TO TWISTING OR OVERTURNING DURING ALL PHASES OF CONSTRUCTION. IT IS REQUIRED THAT ALL TEMPORARY ERECTION DIAPHRAGMS IN A SPAN BE FULLY INSTALLED PRIOR TO POURING ANY PORTION OF THE SLAB IN THAT SPAN.

6) THE SUPPORT DIAPHRAGMS AT THE BENTS SHALL BE FORMED AND THE BOTTOM 15 INCHES POURED AS SOON AS POSSIBLE AFTER THE BEAMS HAVE BEEN SET. THE REMAINDER OF THE DIAPHRAGMS SHALL BE POURED CONCURRENTLY WITH THE DECK SLAB. THE BEAMS SHALL ATTAIN AN AGE OF AT LEAST 90 DAYS PRIOR TO POURING THE REMAINDER OF THE SUPPORT DIAPHRAGMS AND DECK SLAB. ALL DIAPHRAGM CONCRETE SHALL BE INCLUDED IN THE QUANTITY FOR CLASS D CONCRETE.

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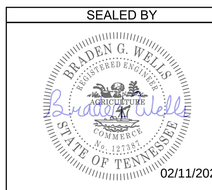

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE

STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-671

PIN NO.: 124873.00
DESIGN BY: B. WELLS DATE: 08/2025
DRAWN BY: B. WELLS DATE: 09/2025
SUPERVISED BY: D. MCCRARY DATE: 09/2025
CHECKED BY: H. NEAL DATE: 11/2025

Gresham Smith

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-10

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
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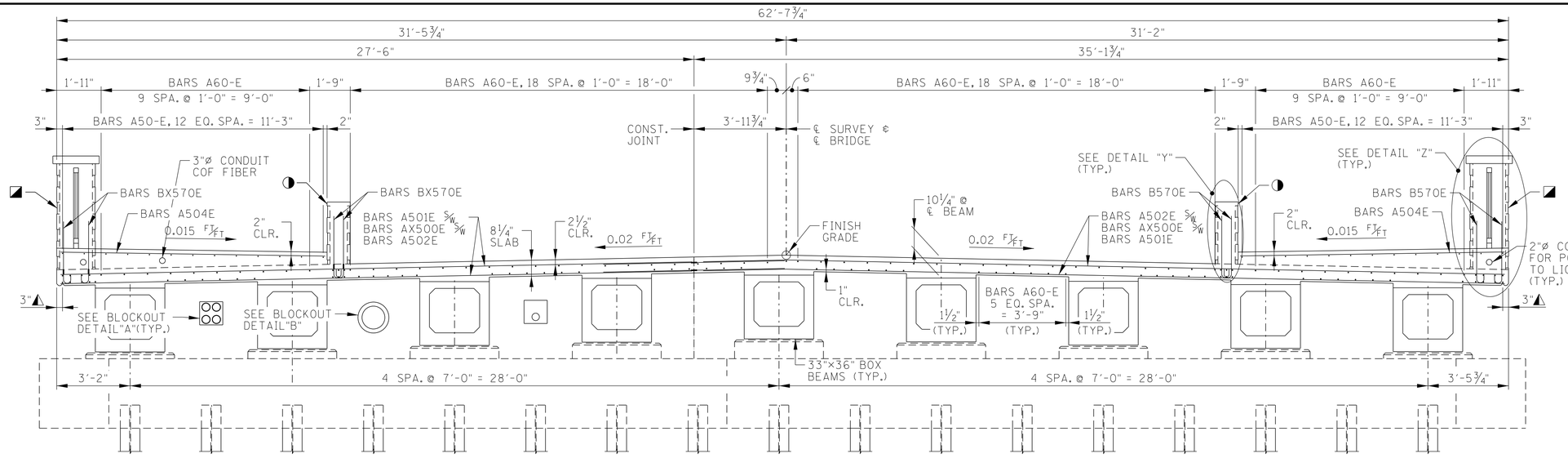
	- -		
	- -		



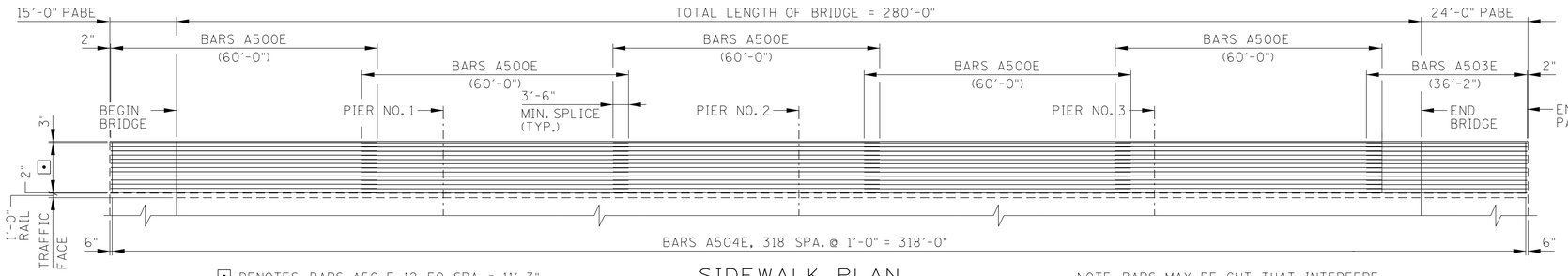
◪ DENOTES: FORMLINED PEDESTRIAN RAIL COLUMN

◑ DENOTES: FORMLINED BARRIER RAIL W/ SLOPED END TREATMENT

TYPICAL SECTION @ END BRIDGE

(LOOKING FORWARD ON SURVEY)
(@ STA. 106+17.58)

◭ DENOTES: 1" TRIANGULAR DRIP NOTCH TO RUN FULL LENGTH OF SLAB



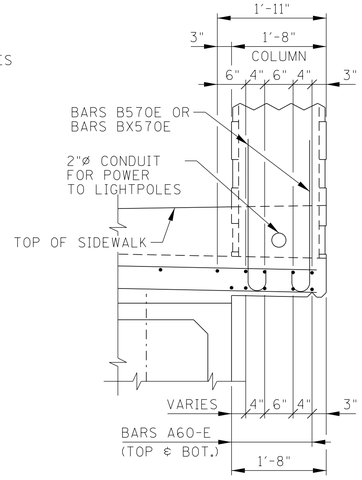
⊡ DENOTES: BARS A50-E, 12 EQ. SPA. = 11'-3"

SIDEWALK PLAN

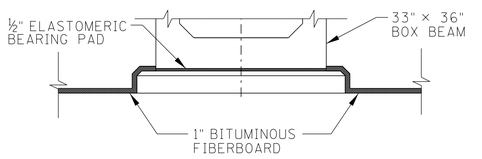
(BOTH SIDES)

NOTE: BARS MAY BE CUT THAT INTERFERE WITH PEDESTRIAN RAIL COLUMNS

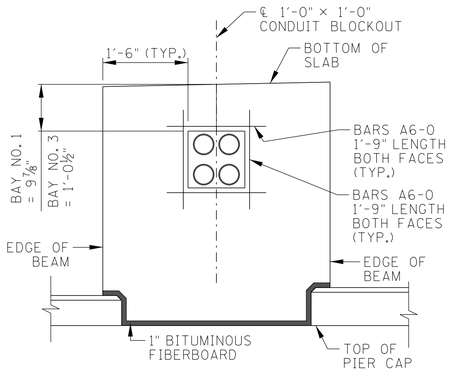
NOTE: BARS MAY BE BENT AS NECESSARY TO CONFORM TO HORIZONTAL BREAKPOINTS AND SIDEWALK TAPER



DETAIL "Z"

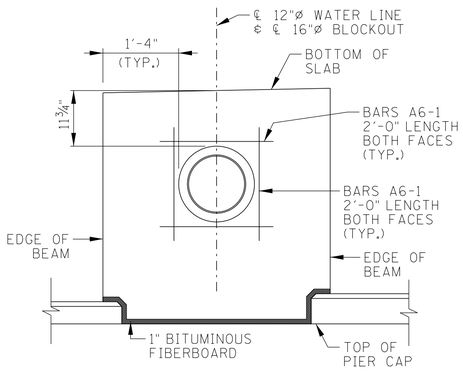


DETAIL "X"



BLOCKOUT DETAIL "A"

(SHOWING ADDITIONAL REINFORCEMENT)

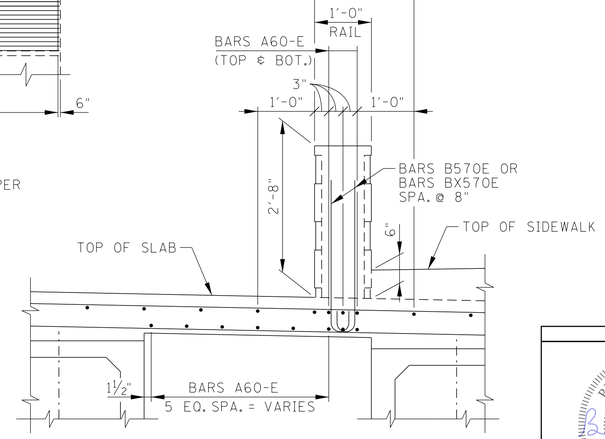


BLOCKOUT DETAIL "B"

(SHOWING ADDITIONAL REINFORCEMENT)

NOTE: 4×4" CONDUIT ASSEMBLY SHOWN APPLIES TO BAY NO. 1. 1×4" CONDUIT PROPOSED FOR BAY NO. 3. OVERSIZED BLOCKOUT APPLIES TO BAY NO. 3 FOR FUTURE UTILITY PLACEMENT

NOTE: ADDITIONAL REINFORCEMENT SHALL BE PLACED AS SHOWN 3" FROM EACH FACE OF THE BACKWALL. CUT REINFORCEMENT AS NECESSARY TO MAINTAIN 3" CLEAR.



DETAIL "Y"

NOTE: PROVISIONS SHALL BE MADE TO AVOID CONFLICT BETWEEN DECK DRAIN, SIDE SLOT DECK DRAIN AND B570E OR BX570E BARS

SEALED BY

BRADEN G. WELLS — REGISTERED ENGINEER — AGRICULTURE COMMERCE — No. 127357 — STATE OF TENNESSEE

02/11/2026

PIN NO.:	124873.00	
DESIGN BY:	B. WELLS	DATE: 08/2025
DRAWN BY:	B. WELLS	DATE: 09/2025
SUPERVISED BY:	D. MCCRARY	DATE: 09/2025
CHECKED BY:	H. NEAL	DATE: 11/2025

Gresham Smith

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-672

2/10/2026 10:37:02 PM
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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-11

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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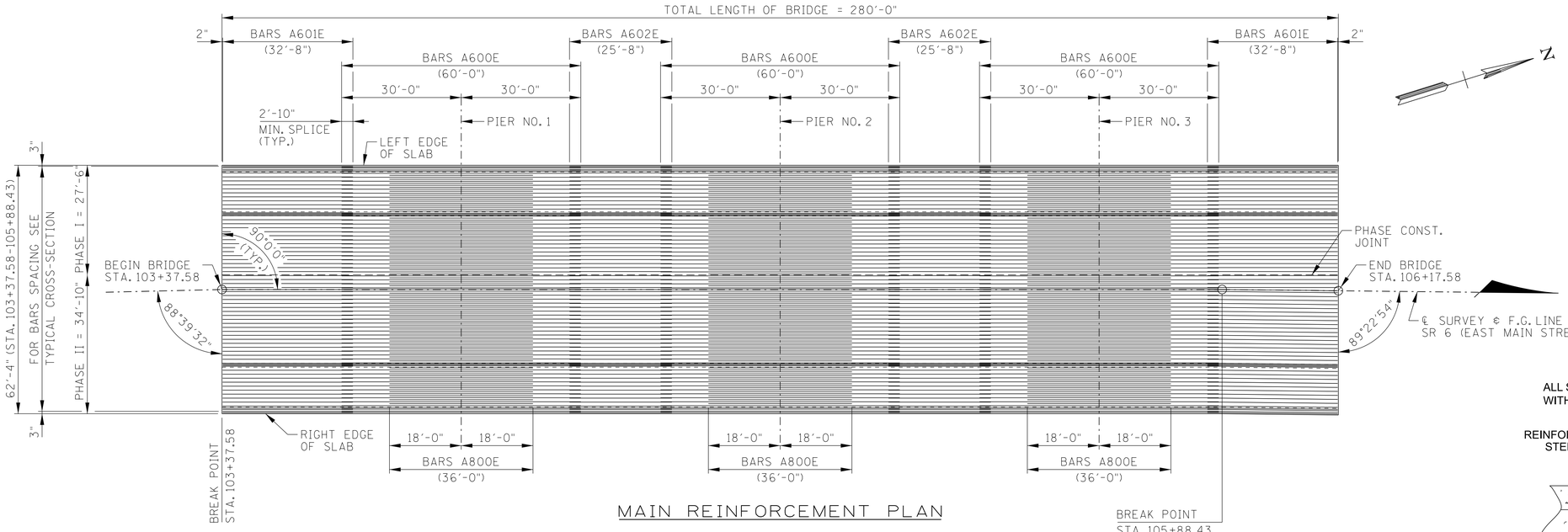
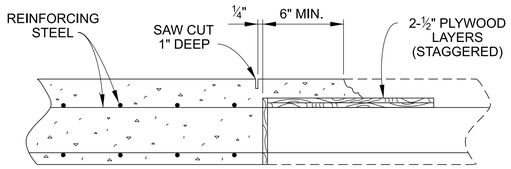


MAIN REINFORCEMENT PLAN

ALL SLAB CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH THE SLAB CONSTRUCTION JOINT DETAIL SHOWN BELOW



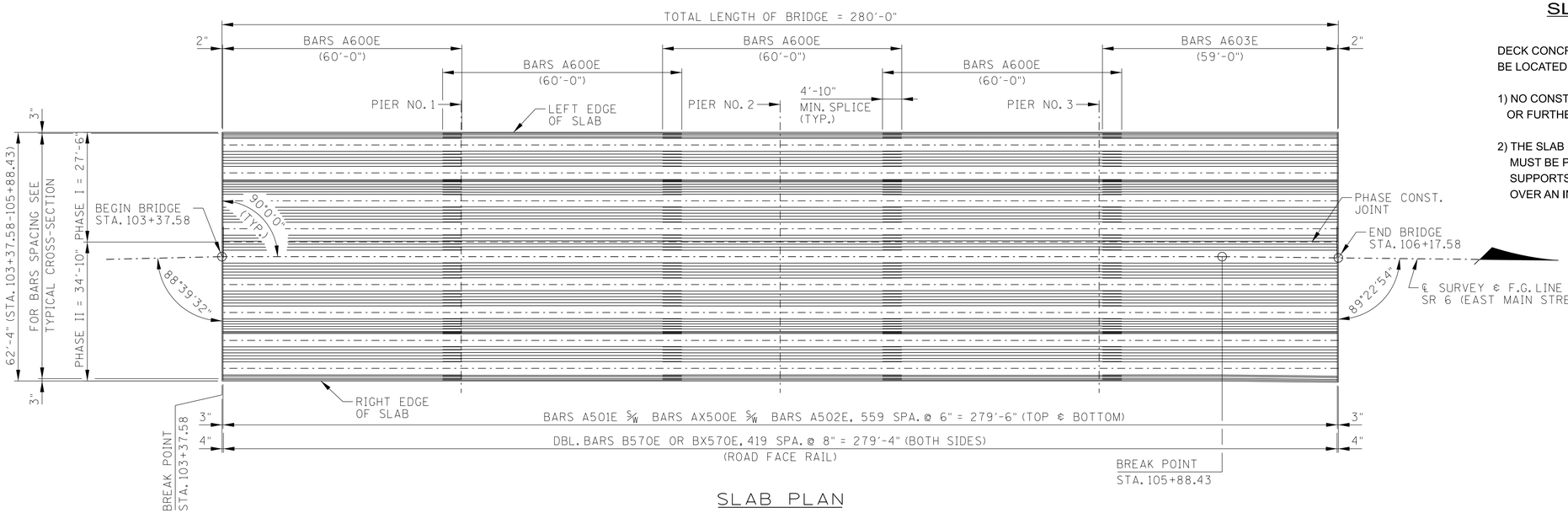
SLAB CONSTRUCTION JOINT DETAIL

(N.T.S.)

DECK CONCRETE POURING SEQUENCE: SLAB CONSTRUCTION JOINTS MAY BE LOCATED AT THE CONTRACTOR'S OPTION SUBJECT TO THE FOLLOWING:

1) NO CONSTRUCTION JOINT MAY BE LOCATED CLOSER THAN 10 FEET OR FURTHER THAN 15 FEET FROM AN INTERIOR SUPPORT.

2) THE SLAB IN THE MIDDLE SECTION OF BOTH ADJACENT SPANS MUST BE POURED TO WITHIN AT LEAST 15 FEET OF THE SUPPORTS EITHER PRIOR TO OR CONCURRENTLY WITH THE SLAB OVER AN INTERIOR SUPPORT.



SLAB PLAN

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-673

PIN NO.: 124873.00
DESIGN BY: B. WELLS DATE: 08/2025
DRAWN BY: B. WELLS DATE: 09/2025
SUPERVISED BY: D. MCCRARY DATE: 09/2025
CHECKED BY: H. NEAL DATE: 11/2025

Gresham Smith

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-12

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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	- -		
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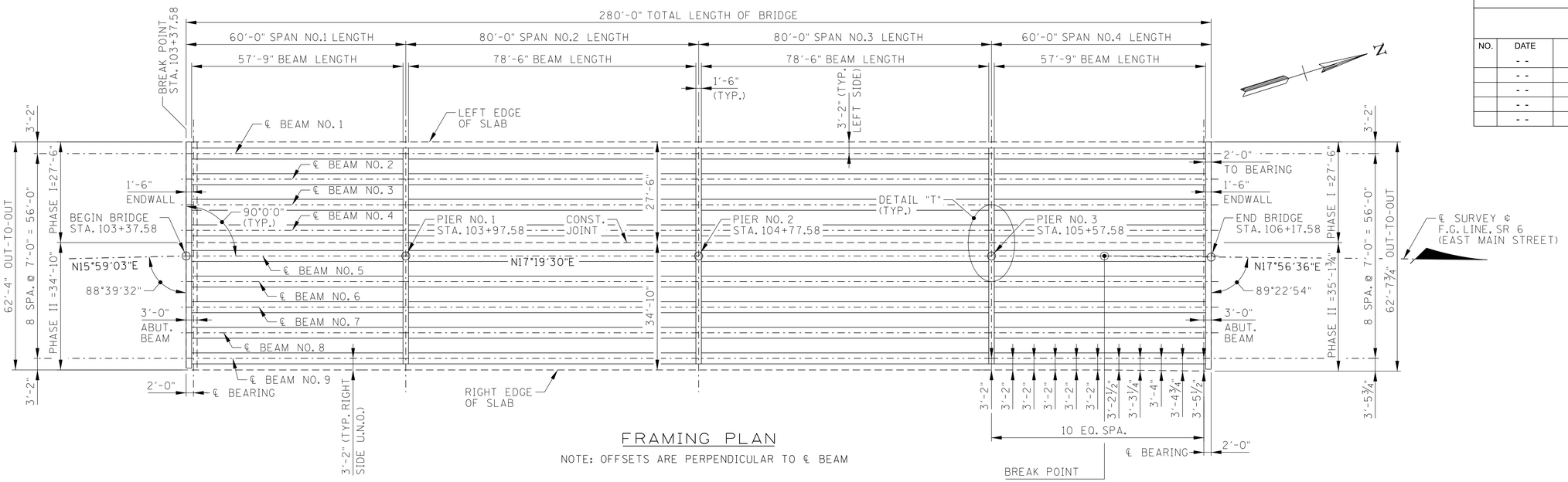
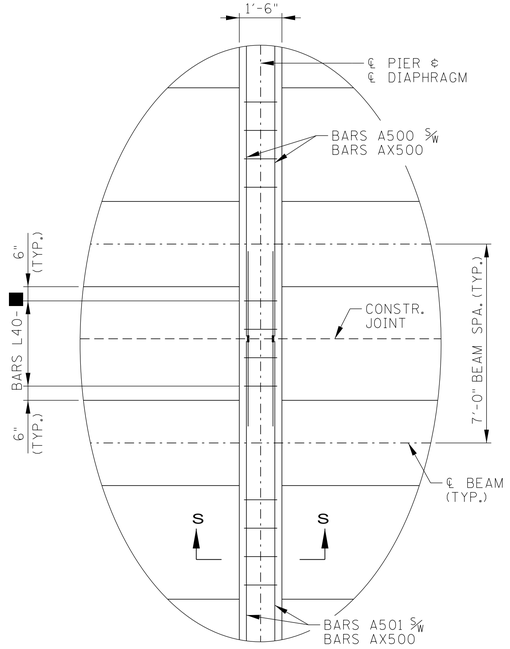


FRAMING PLAN

NOTE: OFFSETS ARE PERPENDICULAR TO ℄ BEAM



DETAIL "T"

■ DENOTES: 1"ø ANCHOR BOLTS SPA. W/ L40- BARS. SEE DWG. NO. U-100-671 FOR BAR SPACING

SECTION R-R

SECTION S-S

◪ DENOTES: BARS A500 ⅝ BARS AX500 ⅝
BARS A501, 3 EQ. SPA. = 2'-5"

DEAD LOAD CORRECTION CURVE

DEAD LOAD CORRECTION CURVE: THIS CURVE IS FOR DEAD LOAD SLAB AND ALL DEAD LOADS THAT ARE APPLIED AFTER SLAB IS IN PLACE AND SHALL BE CORRECTED TO COMPENSATE FOR THE EFFECTS DUE TO VERTICAL CURVE.

NOTE: IF PRESTRESSED DECK PANELS ARE USED AND THE BEAMS ARE PROFILED AFTER THE PANELS ARE IN PLACE, REDUCE THE DEAD LOAD CORRECTION VALUES SHOWN BY 25%.

SEALED BY

BRADEN G. WELLS REGISTERED ENGINEER AGRICULTURE COMMERCE No. 127357 STATE OF TENNESSEE

02/11/2026

PIN NO.:	124873.00		
DESIGN BY:	B. WELLS	DATE:	08/2025
DRAWN BY:	B. WELLS	DATE:	09/2025
SUPERVISED BY:	D. MCCRARY	DATE:	09/2025
CHECKED BY:	H. NEAL	DATE:	11/2025

Gresham Smith

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-674

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-13

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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	- -		
	- -		
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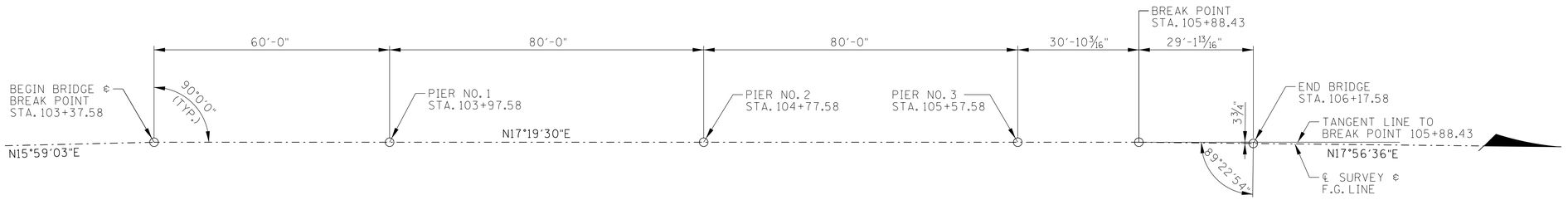
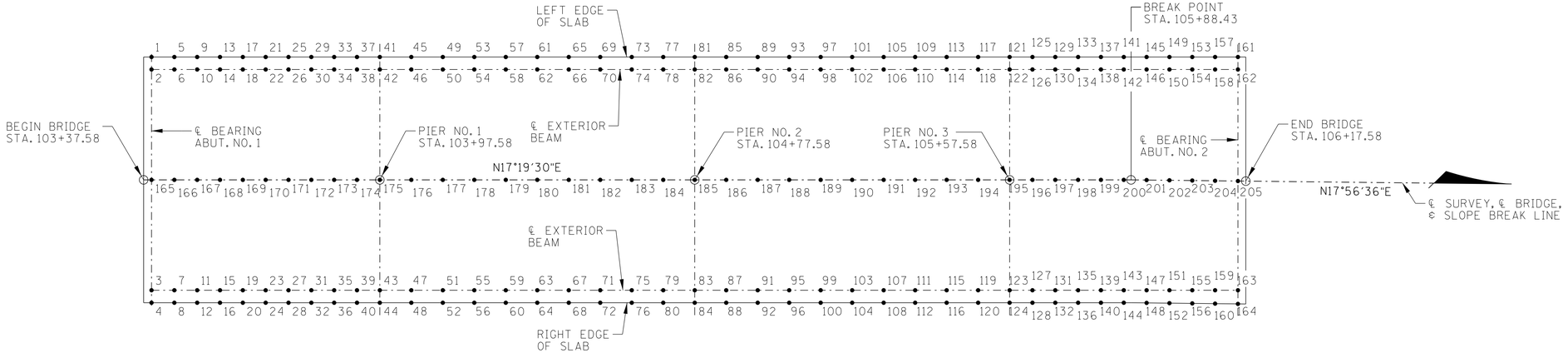


STAKE OUT PLAN



SCREED

POINT	STATION	ELEVATION	POINT	STATION	ELEVATION	POINT	STATION	ELEVATION	POINT	STATION	ELEVATION	POINT	STATION	ELEVATION	POINT	STATION	ELEVATION	POINT	STATION	ELEVATION	POINT	STATION	ELEVATION	POINT	STATION	ELEVATION
1	103+39.58	636.799	26	103+74.38	637.572	51	104+13.58	638.168	76	104+61.58	638.486	101	105+17.58	638.445	126	105+63.38	638.085	151	105+98.80	637.518	176	104+05.58	638.627	201	105+92.38	638.189
2	103+39.58	636.862	27	103+74.38	637.572	52	104+13.58	638.105	77	104+69.58	638.512	102	105+17.58	638.508	127	105+63.38	638.085	152	105+98.83	637.452	177	104+13.58	638.728	202	105+98.49	638.087
3	103+39.58	636.862	28	103+74.38	637.508	53	104+21.58	638.195	78	104+69.58	638.576	103	105+17.58	638.508	128	105+63.38	638.022	153	106+03.96	637.359	178	104+21.58	638.819	203	106+04.29	637.985
4	103+39.58	636.799	29	103+80.18	637.613	54	104+21.58	638.259	79	104+69.58	638.576	104	105+17.58	638.445	129	105+69.18	637.944	154	106+03.99	637.422	179	104+29.58	638.898	204	106+10.09	637.893
5	103+45.38	636.921	30	103+80.18	637.676	55	104+21.58	638.259	80	104+69.58	638.512	105	105+25.58	638.396	130	105+69.18	638.007	155	106+04.60	637.418	180	104+37.58	638.967	205	106+15.89	637.811
6	103+45.38	636.984	31	103+80.18	637.676	56	104+21.58	638.195	81	104+77.58	638.528	106	105+25.58	638.460	131	105+69.18	638.007	156	106+04.63	637.412	181	104+45.58	639.025			
7	103+45.38	636.984	32	103+80.18	637.613	57	104+29.58	638.275	82	104+77.58	638.591	107	105+25.58	638.460	132	105+69.18	637.944	157	106+09.76	637.250	182	104+53.58	639.073			
8	103+45.38	636.921	33	103+85.98	637.712	58	104+29.58	638.338	83	104+77.58	638.591	108	105+25.58	638.396	133	105+74.98	637.859	158	106+09.79	637.265	183	104+61.58	639.110			
9	103+51.18	637.041	34	103+85.98	637.775	59	104+29.58	638.338	84	104+77.58	638.528	109	105+33.58	638.337	134	105+74.98	637.923	159	106+10.40	637.328	184	104+69.58	639.136			
10	103+51.18	637.105	35	103+85.98	637.775	60	104+29.58	638.275	85	104+85.58	638.533	110	105+33.58	638.400	135	105+74.98	637.923	160	106+10.43	637.260	185	104+77.58	639.151			
11	103+51.18	637.105	36	103+85.98	637.712	61	104+37.58	638.344	86	104+85.58	638.596	111	105+33.58	638.400	136	105+74.98	637.859	161	106+15.56	637.182	186	104+85.58	639.156			
12	103+51.18	637.041	37	103+91.78	637.805	62	104+37.58	638.407	87	104+85.58	638.596	112	105+33.58	638.337	137	105+80.78	637.770	162	106+15.59	637.245	187	104+93.58	639.150			
13	103+56.98	637.162	38	103+91.78	637.868	63	104+37.58	638.407	88	104+85.58	638.533	113	105+41.58	638.267	138	105+80.78	637.833	163	106+16.20	637.229	188	105+01.58	639.134			
14	103+56.98	637.225	39	103+91.78	637.868	64	104+37.58	638.344	89	104+93.58	638.527	114	105+41.58	638.330	139	105+80.78	637.833	164	106+16.23	637.179	189	105+09.58	639.106			
15	103+56.98	637.225	40	103+91.78	637.805	65	104+45.58	638.402	90	104+93.58	638.590	115	105+41.58	638.330	140	105+80.78	637.770	165	103+39.58	637.422	190	105+17.58	639.068			
16	103+56.98	637.162	41	103+97.58	637.893	66	104+45.58	638.465	91	104+93.58	638.590	116	105+41.58	638.267	141	105+86.58	637.674	166	103+45.38	637.544	191	105+25.58	639.020			
17	103+62.78	637.283	42	103+97.58	637.956	67	104+45.58	638.465	92	104+93.58	638.527	117	105+49.58	638.186	142	105+86.58	637.738	167	103+51.18	637.665	192	105+33.58	638.960			
18	103+62.78	637.346	43	103+97.58	637.956	68	104+45.58	638.402	93	105+01.58	638.510	118	105+49.58	638.250	143	105+86.58	637.738	168	103+56.98	637.785	193	105+41.58	638.890			
19	103+62.78	637.346	44	103+97.58	637.893	69	104+53.58	638.449	94	105+01.58	638.574	119	105+49.58	638.250	144	105+86.58	637.674	169	103+62.78	637.906	194	105+49.58	638.810			
20	103+62.78	637.283	45	104+05.58	638.004	70	104+53.58	638.513	95	105+01.58	638.574	120	105+49.58	638.186	145	105+92.05	637.571	170	103+68.58	638.022	195	105+57.58	638.718			
21	103+68.58	637.398	46	104+05.58	638.067	71	104+53.58	638.513	96	105+01.58	638.510	121	105+57.58	638.095	146	105+92.08	637.634	171	103+74.38	638.132	196	105+63.38	638.645			
22	103+68.58	637.462	47	104+05.58	638.067	72	104+53.58	638.449	97	105+09.58	638.483	122	105+57.58	638.158	147	105+92.69	637.625	172	103+80.18	638.236	197	105+69.18	638.567			
23	103+68.58	637.462	48	104+05.58	638.004	73	104+61.58	638.486	98	105+09.58	638.546	123	105+57.58	638.158	148	105+92.72	637.560	173	103+85.98	638.335	198	105+74.98	638.483			
24	103+68.58	637.398	49	104+13.58	638.105	74	104+61.58	638.550	99	105+09.58	638.546	124	105+57.58	638.095	149	105+98.16	637.462	174	103+91.78	638.428	199	105+80.78	638.393			
25	103+74.38	637.508	50	104+13.58	638.168	75	104+61.58	638.550	100	105+09.58	638.483	125	105+63.38	638.022	150	105+98.19	637.525	175	103+97.58	638.516	200	105+86.58	638.298			

BRIDGE SCREED ELEVATION TABLE

SEALED BY

02/11/2026

PIN NO.: 124873.00
DESIGN BY: B. WELLS DATE: 08/2025
DRAWN BY: B. WELLS DATE: 09/2025
SUPERVISED BY: D. MCCRARY DATE: 09/2025
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Gresham Smith

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-675

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-14

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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	- -		
	- -		
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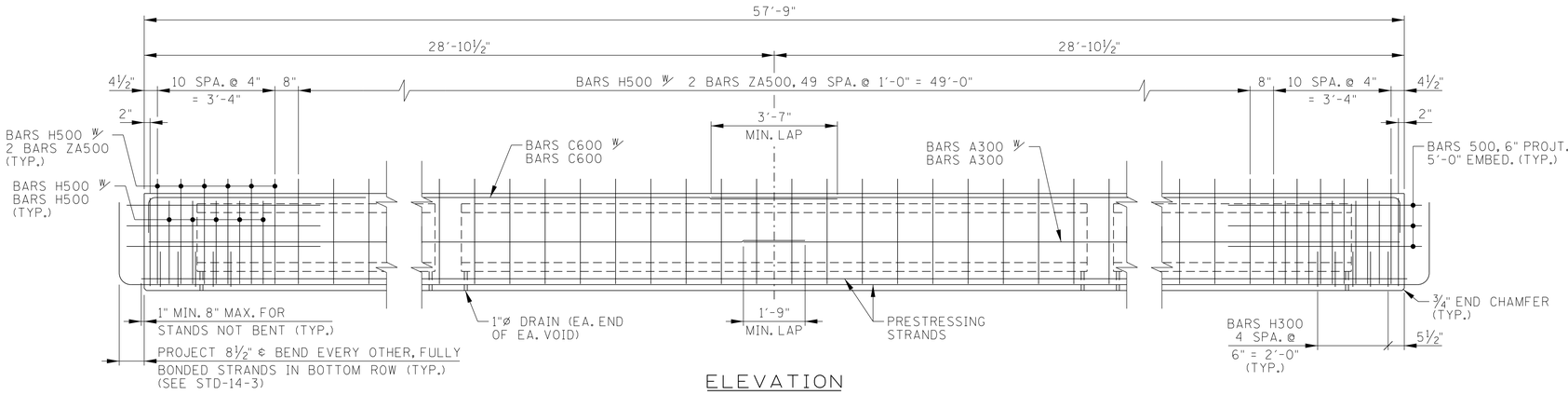
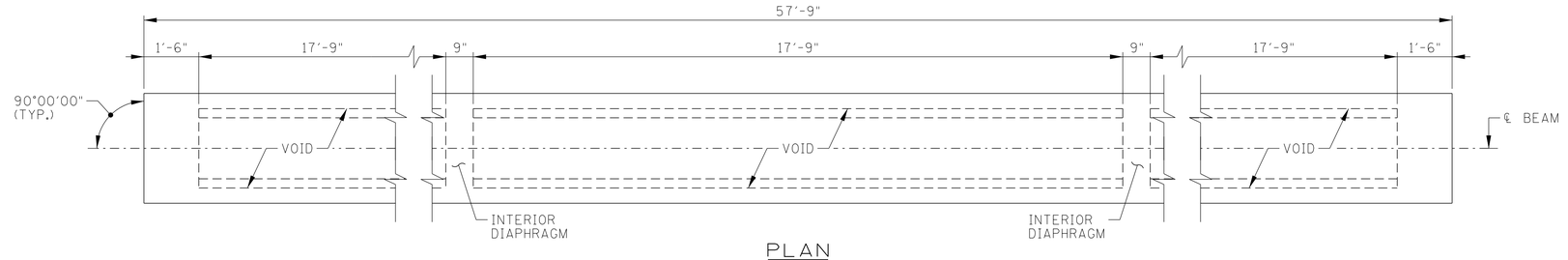


ELEVATION

(ALONG ℄ BEAM)



PLAN

GENERAL NOTES:

1) SEE STD-14-3 FOR BOX BEAM STANDARD DETAILS, NOTES AND REINFORCING.

2) THE PRESTRESSED BEAMS SHALL ATTAIN AN AGE OF AT LEAST 90 DAYS PRIOR TO POURING THE SUPPORT DIAPHRAGMS (EXCLUDING BOTTOM 15") AND DECK SLAB.

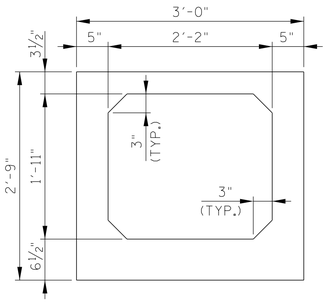
3) THE CONCRETE FOR THIS CONSTRUCTION SHALL BE OF SUCH PROPERTIES AS TO ATTAIN A COMPRESSIVE STRENGTH OF NOT LESS THAN 10,000 PSI AT THE AGE OF 28 DAYS AND STRESS TRANSFER SHALL NOT BE MADE TO THE BRIDGE MEMBER UNTIL THE TEST SPECIMENS INDICATE THAT THE CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF AT LEAST 9,000 PSI. SEE GENERAL NOTES FOR CONCRETE FINISHING NOTE.

4) PRESTRESSING STRANDS: ALL STRANDS SHALL BE 6/10" DIAMETER, UNCOATED 7- WIRE STRANDS, ASTM A416 GRADE 270, LOW-LAX, A = 0.217 SQ. IN. PULLED TO 43,943 LBS. PER STRAND UNLESS OTHERWISE NOTED.

5) PRESTRESSED BEAM DESIGN DATA (PER BEAM):
LIVE LOAD DISTRIBUTION FACTOR: MOMENT = 0.710 LANES
SHEAR = 0.710 LANES
COMPOSITE DEAD LOAD: DC = 411 LB/FT
DW = 144 LB/FT
COMPOSITE SLAB DESIGN STRENGTH: F 'C = 4000 PSI

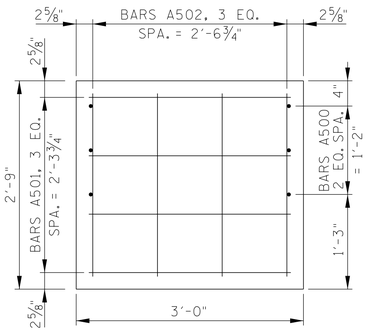
DOWNWARD DEFLECTION UNDER TOTAL DL IS NOT ALLOWED.

ALL BEAMS SHALL HAVE UPWARD DEFLECTION OF AT LEAST ⅛" UNDER TOTAL DEAD LOAD

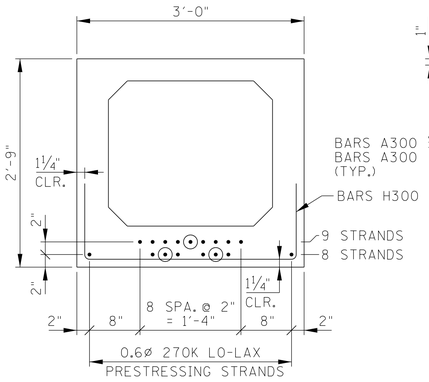


TYPICAL CROSS-SECTION

(SHOWING PROPERTIES)



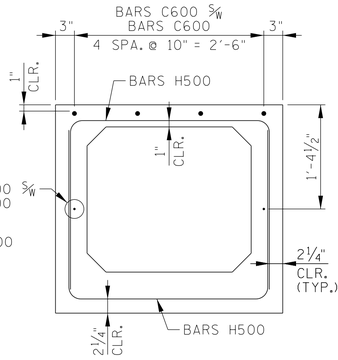
END ELEVATION



SECTION

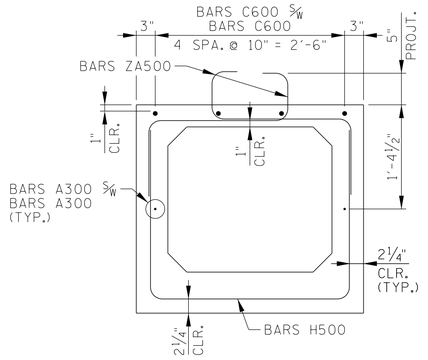
(SHOWING PRESTRESSED STRANDS)

⊙ DENOTES: DEBOND EACH END 3'-0"



SECTION A-A

(SHOWING NON-PROJECTED BARS)



SECTION B-B

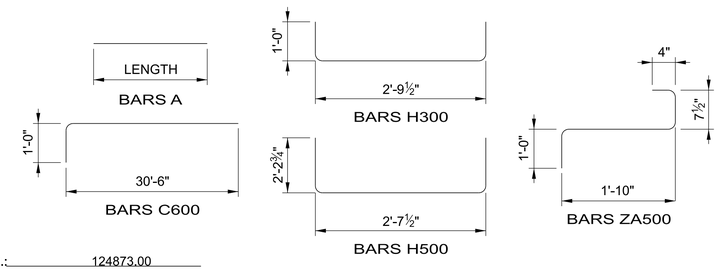
(SHOWING PROJECTED BARS)

BILL OF STEEL PER BEAM

A300	4	29'-7"
A500	12	5'-6"
A501	8	2'-8"
A502	8	2'-5"
C600	8	31'-6"
H300	10	4'-9½"
H500	82	7'-1"
ZA500	124	3'-9½"

ESTIMATED QUANTITIES PER BEAM

NO. BEAMS REQ'D.	CLASS "A" CONCRETE C.Y.	REINFORCING STEEL LB.	PRESTRESSING STRANDS (LOW-RELAXATION) LB.
18	10	1648	774



SEALED BY

BRADEN G. WELLS REGISTERED ENGINEER No. 127257 STATE OF TENNESSEE

02/11/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESTRESSED BOX BEAM SPANS 1 & 4
STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-676

PIN NO.: 124873.00

DESIGN BY:	B. WELLS	DATE: 08/2025
DRAWN BY:	B. WELLS	DATE: 09/2025
SUPERVISED BY:	D. MCCRARY	DATE: 09/2025
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Gresham Smith

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-15

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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	- -		
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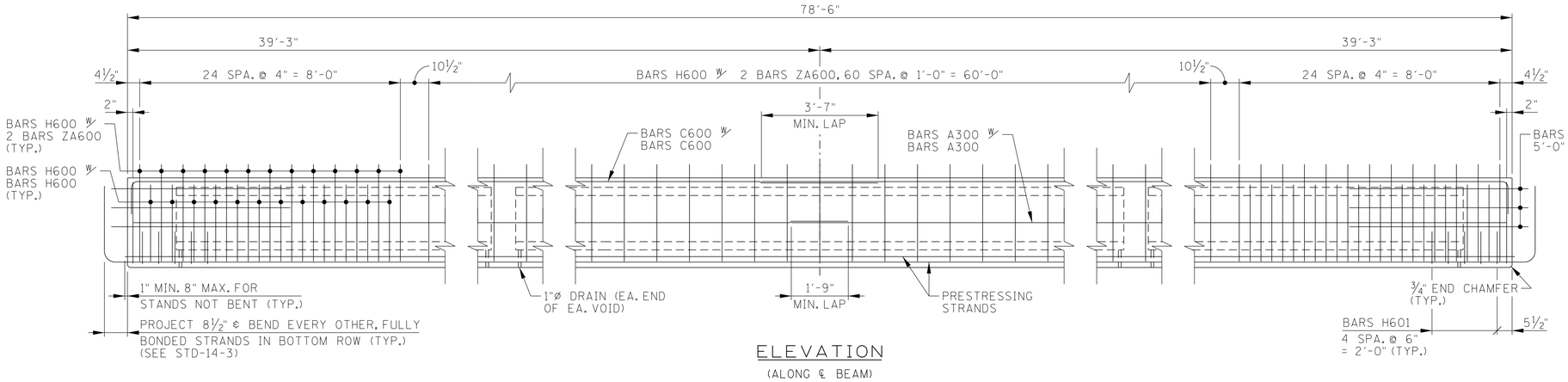
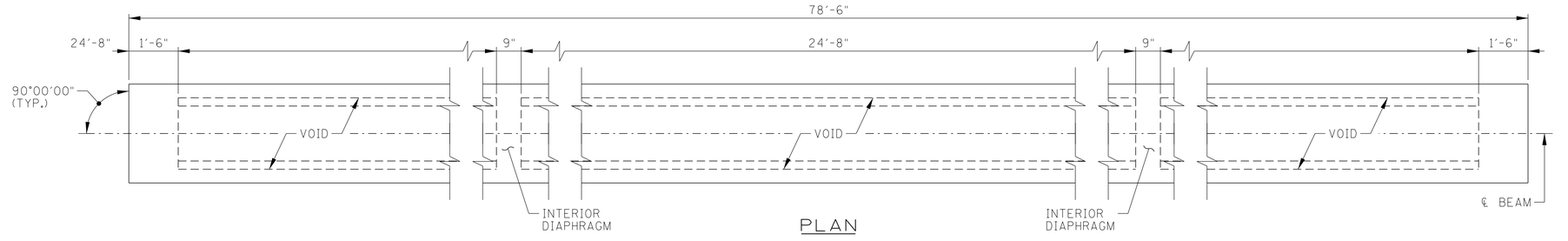
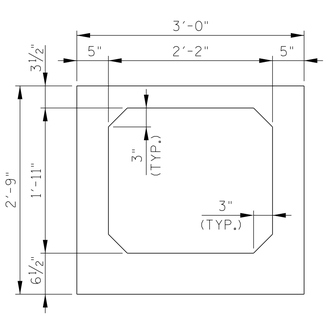


ELEVATION

(ALONG ℄ BEAM)

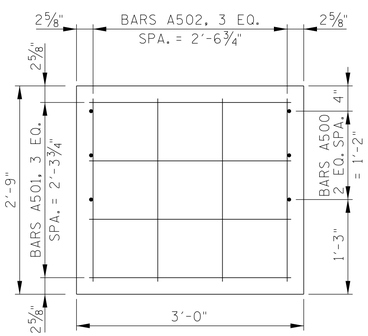


PLAN

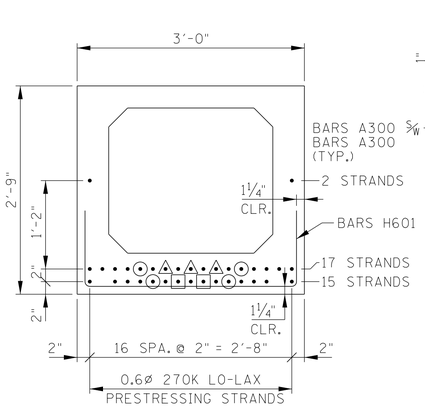


TYPICAL CROSS-SECTION

(SHOWING PROPERTIES)



END ELEVATION



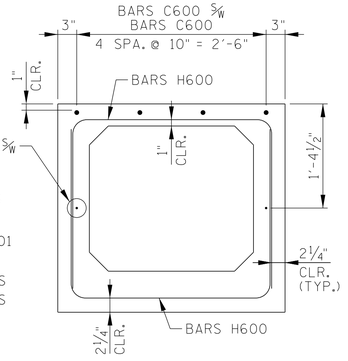
SECTION

(SHOWING PRESTRESSED STRANDS)

⊙ DENOTES: DEBOND EACH END 3'-0"

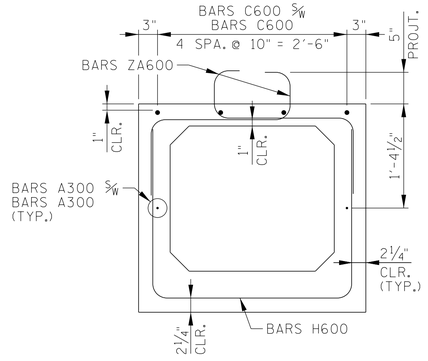
△ DENOTES: DEBOND EACH END 6'-0"

⊡ DENOTES: DEBOND EACH END 9'-0"



SECTION A-A

(SHOWING NON-PROJECTED BARS)



SECTION B-B

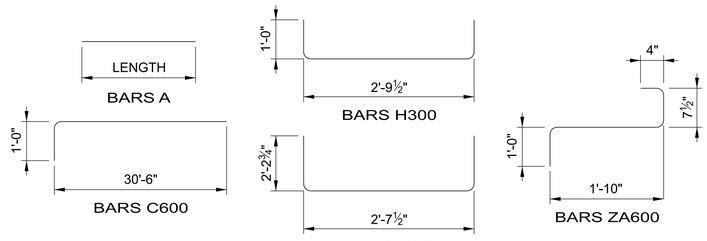
(SHOWING PROJECTED BARS)

BILL OF STEEL
PER BEAM

A300	4	40'-1½"
A500	12	5'-6"
A501	8	2'-8"
A502	8	2'-5"
C600	8	41'-10½"
H300	10	4'-9½"
H600	135	7'-1"
H601	10	4'-9½"
ZA600	174	3'-9½"

ESTIMATED QUANTITIES
PER BEAM

NO. BEAMS REQ'D.	CLASS "A" CONCRETE C.Y.	REINFORCING STEEL LB.	PRESTRESSING STRANDS (LOW-RELAXATION) LB.
18	13	3192	2035



GENERAL NOTES:

1) SEE STD-14-3 FOR BOX BEAM STANDARD DETAILS, NOTES AND REINFORCING.

2) THE PRESTRESSED BEAMS SHALL ATTAIN AN AGE OF AT LEAST 90 DAYS PRIOR TO POURING THE SUPPORT DIAPHRAGMS (EXCLUDING BOTTOM 15") AND DECK SLAB.

3) THE CONCRETE FOR THIS CONSTRUCTION SHALL BE OF SUCH PROPERTIES AS TO ATTAIN A COMPRESSIVE STRENGTH OF NOT LESS THAN 10,000 PSI AT THE AGE OF 28 DAYS AND STRESS TRANSFER SHALL NOT BE MADE TO THE BRIDGE MEMBER UNTIL THE TEST SPECIMENS INDICATE THAT THE CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF AT LEAST 9,000 PSI. SEE GENERAL NOTES FOR CONCRETE FINISHING NOTE.

4) PRESTRESSING STRANDS: ALL STRANDS SHALL BE 6/10" DIAMETER, UNCOATED 7- WIRE STRANDS, ASTM A416 GRADE 270, LOW-LAX, A = 0.217 SQ. IN. PULLED TO 43,943 LBS. PER STRAND UNLESS OTHERWISE NOTED.

5) PRESTRESSED BEAM DESIGN DATA (PER BEAM):
LIVE LOAD DISTRIBUTION FACTOR: MOMENT = 0.710 LANES
SHEAR = 0.710 LANES
COMPOSITE DEAD LOAD: DC = 411 LB/FT
DW = 144 LB/FT
COMPOSITE SLAB DESIGN STRENGTH: F 'C = 4000 PSI

DOWNWARD DEFLECTION UNDER TOTAL DL IS NOT ALLOWED.

ALL BEAMS SHALL HAVE UPWARD DEFLECTION OF AT LEAST ⅛" UNDER TOTAL DEAD LOAD

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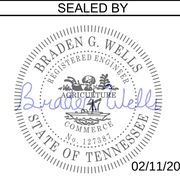

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESTRESSED BOX BEAM
SPANS 2 & 3
STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-677

PIN NO.: 124873.00

DESIGN BY:	B. WELLS	DATE: 08/2025
DRAWN BY:	B. WELLS	DATE: 09/2025
SUPERVISED BY:	D. MCCRARY	DATE: 09/2025
CHECKED BY:	H. NEAL	DATE: 11/2025

Gresham Smith

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-16

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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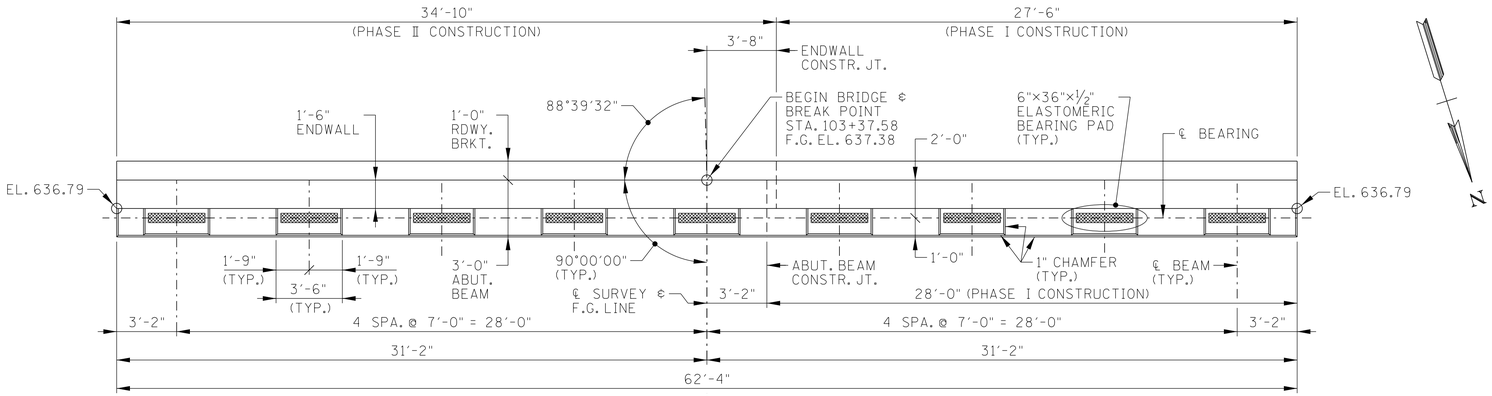
	- -		



NOTE: FOR SECTION A-A, SECTION B-B, RISER BLOCK SLOPE DETAIL, BLOCKOUT DETAILS, AND RISER BLOCK REINFORCEMENT, SEE DWG. NO. U-100-679.

▲ DENOTES: BARS L540 5 EQ. SPA. = 4′-1¾" (TYP. PHASE I)

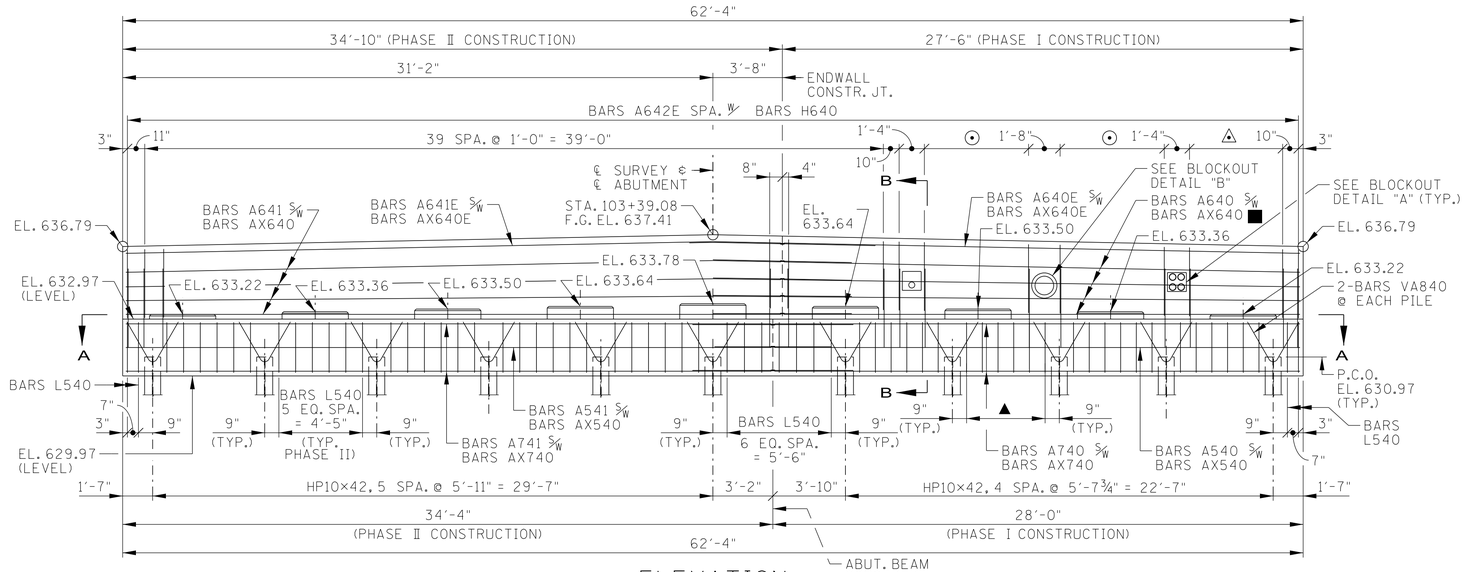
■ DENOTES: CUT BARS AS NECESSARY FOR BLOCK-OUTS

△ DENOTES: 5 SPA. @ 1′-0" = 5′-0"

⊙ DENOTES: 6 EQ. SPA. = 5′-6"

PLAN

(STEEL PILES NOT SHOWN FOR CLARITY)



ELEVATION

(LOOKING BACK ON SURVEY)

GENERAL NOTES:

1) RISER BLOCKS SHALL BE POURED MONOLITHICALLY WITH THE ABUTMENT BEAM. RISER BLOCKS OF 6 INCHES IN HEIGHT OR HIGHER AT CENTERLINE SHALL BE REINFORCED. RISER BLOCKS SHOULD BE A MINIMUM OF 2 INCHES AT THE CENTERLINE AND 1 INCH AT THE EDGE.

2) RISER BLOCK BEARING SURFACE TO CONFORM TO BOTTOM OF BEAM GRADE.

3) ELASTOMERIC PADS SHALL BE IN PLACE A MINIMUM OF ONE DAY BEFORE BEING DISTURBED BY SETTING BEAMS. PLACE RUBBER BONDING CEMENT IN SUCH A WAY THAT VISIBLE CONCRETE SURFACES WILL NOT BE STAINED.

4) NOT LESS THAN HALF OF THE SLAB IN THE END SPANS SHALL BE POURED PRIOR TO, OR CONCURRENTLY WITH, PLACEMENT OF ANY PART OF THE ABUTMENT ENDWALLS. AT LEAST THE TOP 12 INCHES OF THE ENDWALLS SHALL BE POURED CONCURRENTLY WITH THE END OF SLAB.

5) COST OF PEDESTRIAN RAIL COLUMN AND TRAFFIC RAIL IS TO BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE RAIL SYSTEMS.

6) TOP OF WING STEM TO CONFORM TO BOTTOM OF ROADWAY SLAB.

7) THE CONTRACTOR SHALL SUPPORT THE ABUTMENT UNTIL THE SUPERSTRUCTURE IS IN PLACE, FALSEWORK HAS BEEN REMOVED, AND BACKFILLING HAS BEEN COMPLETED.

8) SEE STANDARD DRAWING STD-6-1 FOR PILE DETAILS AND NOTES.

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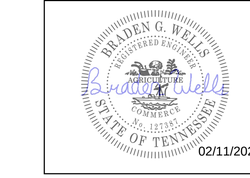

02/11/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ABUTMENT NO. 1

STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-678

PIN NO.: 124873.00
DESIGN BY: B. WELLS DATE: 08/2025
DRAWN BY: B. WELLS DATE: 09/2025
SUPERVISED BY: D. MCCRARY DATE: 09/2025
CHECKED BY: H. NEAL DATE: 11/2025

Gresham Smith

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-17

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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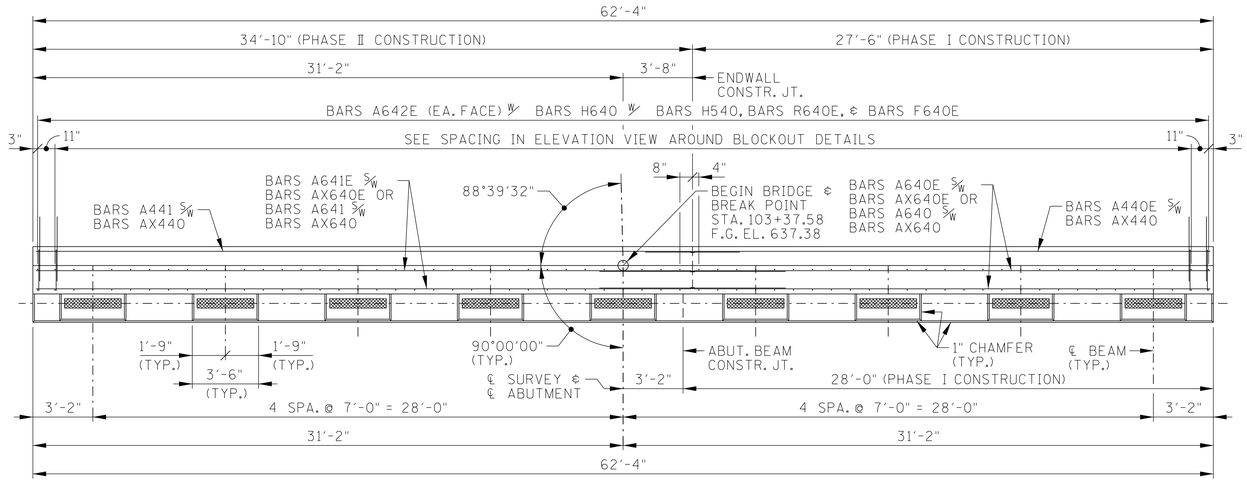
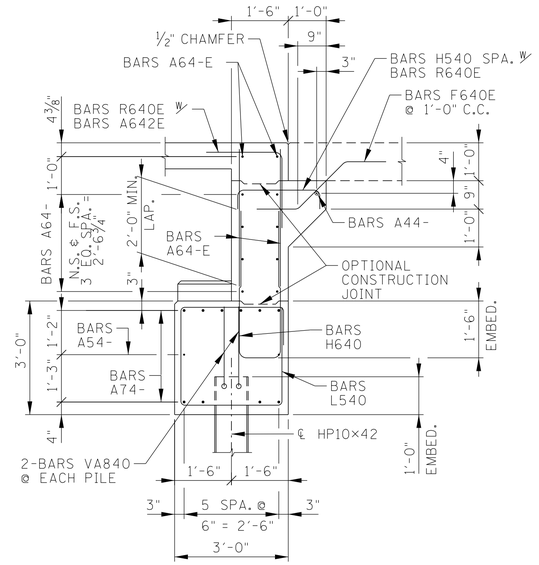
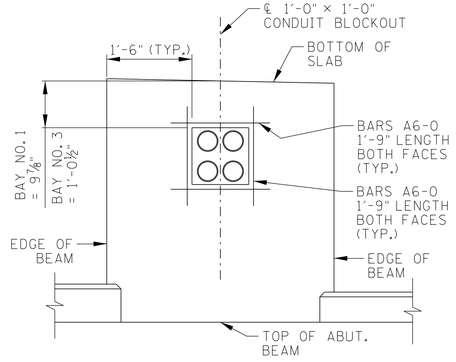


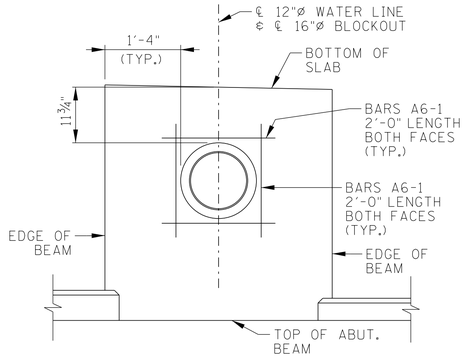
SECTION A-A



SECTION B-B



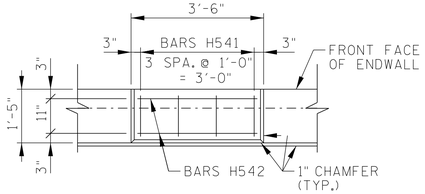
BLOCKOUT DETAIL "A"
(SHOWING ADDITIONAL REINFORCEMENT)



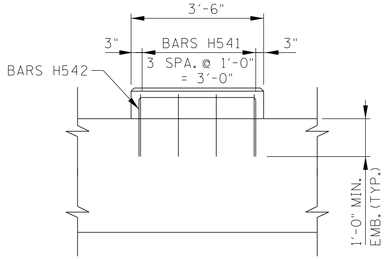
BLOCKOUT DETAIL "B"
(SHOWING ADDITIONAL REINFORCEMENT)

NOTE: 4×4" CONDUIT ASSEMBLY SHOWN APPLIES TO BAY NO. 1.
1×4" CONDUIT PROPOSED FOR BAY NO. 3. OVERSIZED BLOCKOUT APPLIES TO BAY NO. 3 FOR FUTURE UTILITY PLACEMENT

NOTE: ADDITIONAL REINFORCEMENT SHALL BE PLACED AS SHOWN 3" FROM EACH FACE OF THE BACKWALL. CUT REINFORCEMENT AS NECESSARY TO MAINTAIN 3" CLEAR.

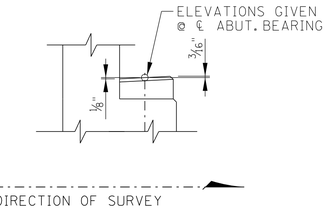


PLAN



ELEVATION

RISER BLOCK REINFORCING DETAIL



RISER BLOCK SLOPE DETAIL
(TYP. @ EACH RISER BLOCK)

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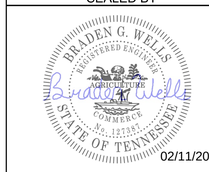

PIN NO.: 124873.00
DESIGN BY: B. WELLS DATE: 08/2025
DRAWN BY: B. WELLS DATE: 09/2025
SUPERVISED BY: D. MCCRARY DATE: 09/2025
CHECKED BY: H. NEAL DATE: 11/2025

Gresham Smith

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ABUTMENT NO. 1 DETAILS
STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-679

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-18

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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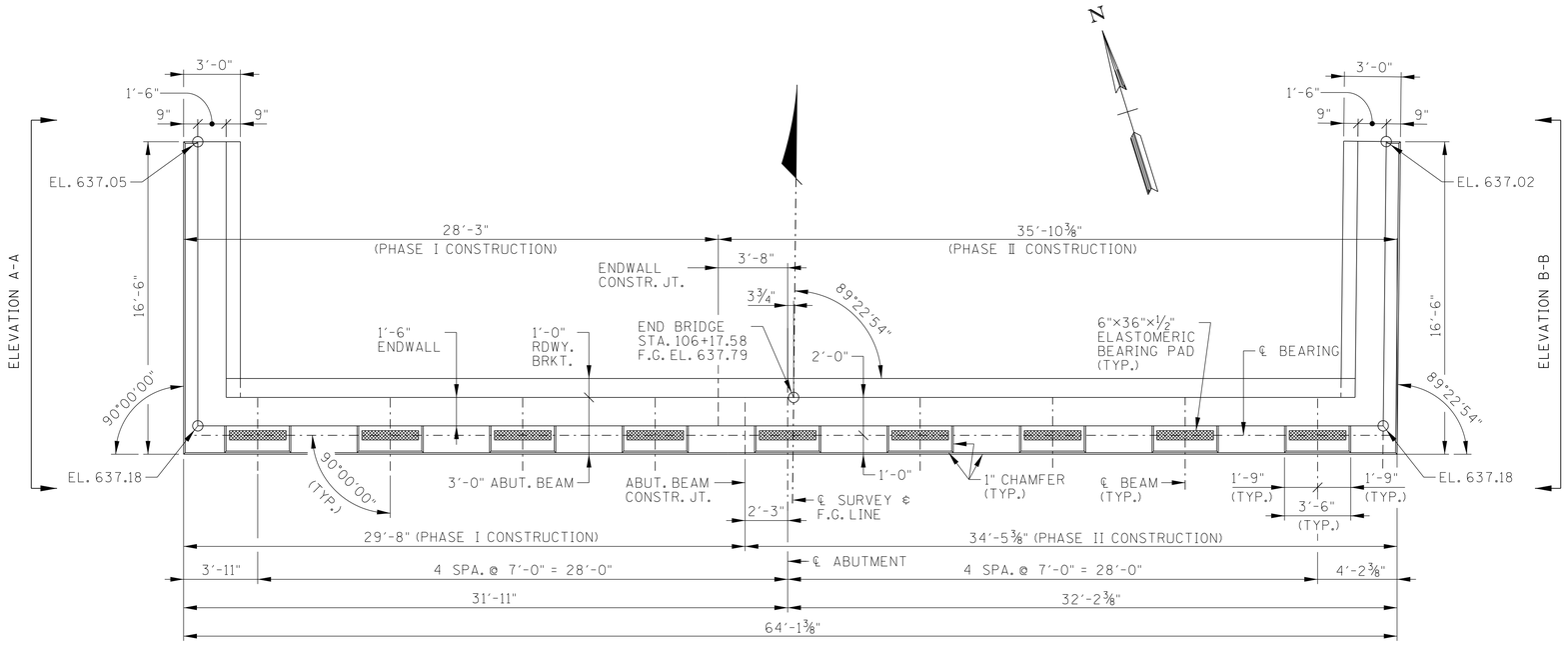


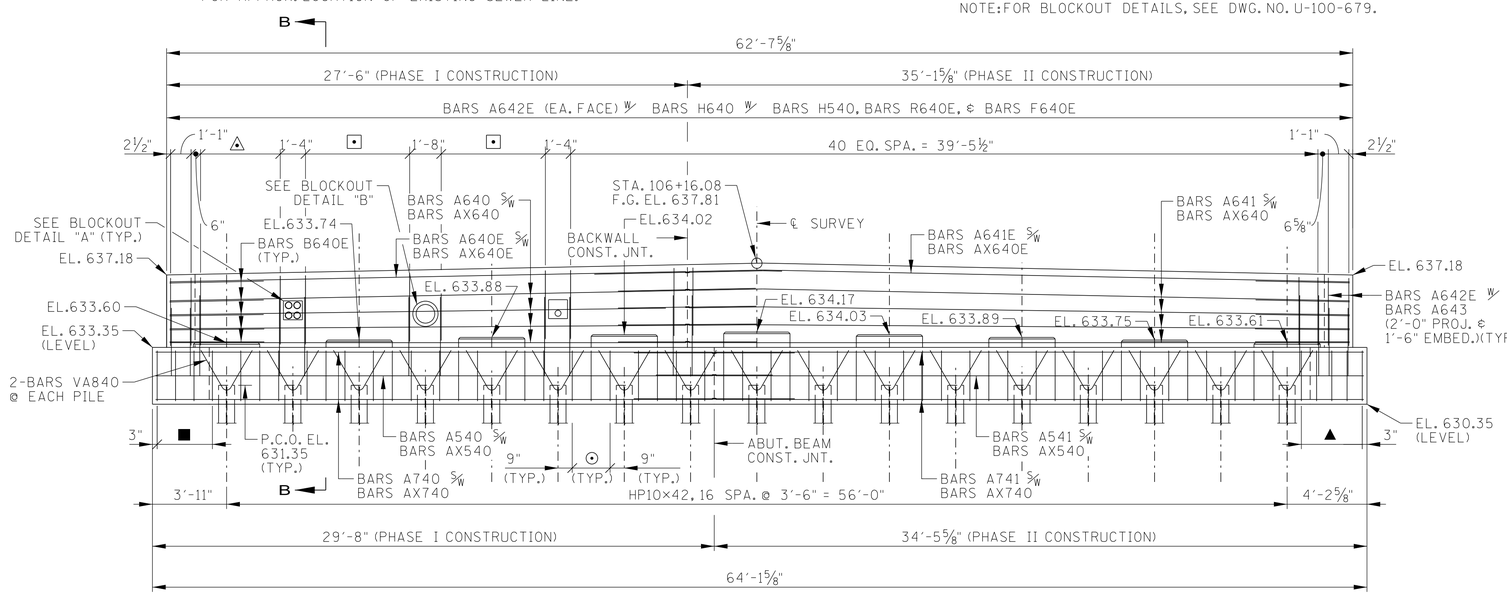
PLAN

(STEEL PILES NOT SHOWN FOR CLARITY)

NOTE: CONTRACTOR SHALL USE EXTREME CAUTION WHEN DRIVING WINGBEAM PILES DUE TO CLOSE PROXIMITY TO SEWER LINE TO THE NORTH. SEE DWG. NO. U-100-664 FOR APPROX. LOCATION OF EXISTING SEWER LINE.

NOTE: FOR SECTION A-A, SECTION B-B, ELEVATON A-A, AND ELEVATION B-B, SEE DWG. NO. U-100-681.

NOTE: FOR BLOCKOUT DETAILS, SEE DWG. NO. U-100-679.



ELEVATION

(LOOKING FORWARD ON SURVEY)

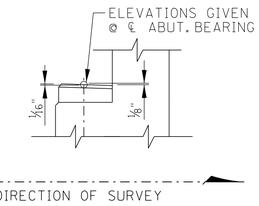
■ DENOTES: BARS L540, 3 EQ SPA. = 2'-11"

⊙ DENOTES: BARS L540, 2 SPA. @ 1'-0" = 2'-0"

▲ DENOTES: BARS L540, 4 EQ. SPA. = 3'-2⅝"

△ DENOTES: 5 EQ. SPA. = 4'-2 ½"

⊡ DENOTES: 6 EQ. SPA. = 5'-6"



RISER BLOCK SLOPE DETAIL

(TYP. @ EACH RISER BLOCK)

GENERAL NOTES:

1) RISER BLOCKS SHALL BE POURED MONOLITHICALLY WITH THE ABUTMENT BEAM. RISER BLOCKS OF 6 INCHES IN HEIGHT OR HIGHER AT CENTERLINE SHALL BE REINFORCED. RISER BLOCKS SHOULD BE A MINIMUM OF 2 INCHES AT THE CENTERLINE AND 1 INCH AT THE EDGE.

2) RISER BLOCK BEARING SURFACE TO CONFORM TO BOTTOM OF BEAM GRADE.

3) ELASTOMERIC PADS SHALL BE IN PLACE A MINIMUM OF ONE DAY BEFORE BEING DISTURBED BY SETTING BEAMS. PLACE RUBBER BONDING CEMENT IN SUCH A WAY THAT VISIBLE CONCRETE SURFACES WILL NOT BE STAINED.

4) NOT LESS THAN HALF OF THE SLAB IN THE END SPANS SHALL BE POURED PRIOR TO, OR CONCURRENTLY WITH, PLACEMENT OF ANY PART OF THE ABUTMENT ENDWALLS. AT LEAST THE TOP 12 INCHES OF THE ENDWALLS SHALL BE POURED CONCURRENTLY WITH THE END OF SLAB.

5) COST OF PEDESTRIAN RAIL COLUMN AND TRAFFIC RAIL IS TO BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE RAIL SYSTEMS.

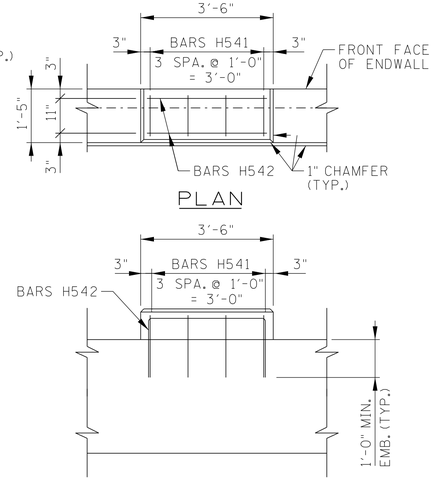
6) TOP OF WING STEM TO CONFORM TO BOTTOM OF ROADWAY SLAB.

7) THE CONTRACTOR SHALL SUPPORT THE ABUTMENT UNTIL THE SUPERSTRUCTURE IS IN PLACE, FALSEWORK HAS BEEN REMOVED, AND BACKFILLING HAS BEEN COMPLETED.

8) SEE STANDARD DRAWING STD-6-1 FOR PILE DETAILS AND NOTES.

9) WHEN POURING WINGWALLS, PROVISIONS SHALL BE MADE FOR SETTING REINFORCING STEEL FOR PEDESTRIAN RAIL COLUMNS, SEE DWG. NOS. U-100-686, U-100-687, AND U-100-689.

10) WINGBEAM PILES SHALL BE DRIVEN TO THE PLANS TIP ELEVATION OR REFUSAL. SEISMIC ATTACHMENT IS NOT REQUIRED FOR WINGBEAM PILES.



ELEVATION

RISER BLOCK REINFORCING DETAIL

SEALED BY

BRADEN G. WELLS REGISTERED ENGINEER AGRICULTURE COMMERCE No. 137251 STATE OF TENNESSEE

02/11/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ABUTMENT NO. 2

STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-680

PIN NO.: 124873.00

DESIGN BY:	B. WELLS	DATE: 08/2025
DRAWN BY:	B. WELLS	DATE: 09/2025
SUPERVISED BY:	D. MCCRARY	DATE: 09/2025
CHECKED BY:	H. NEAL	DATE: 11/2025

Gresham Smith

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-19

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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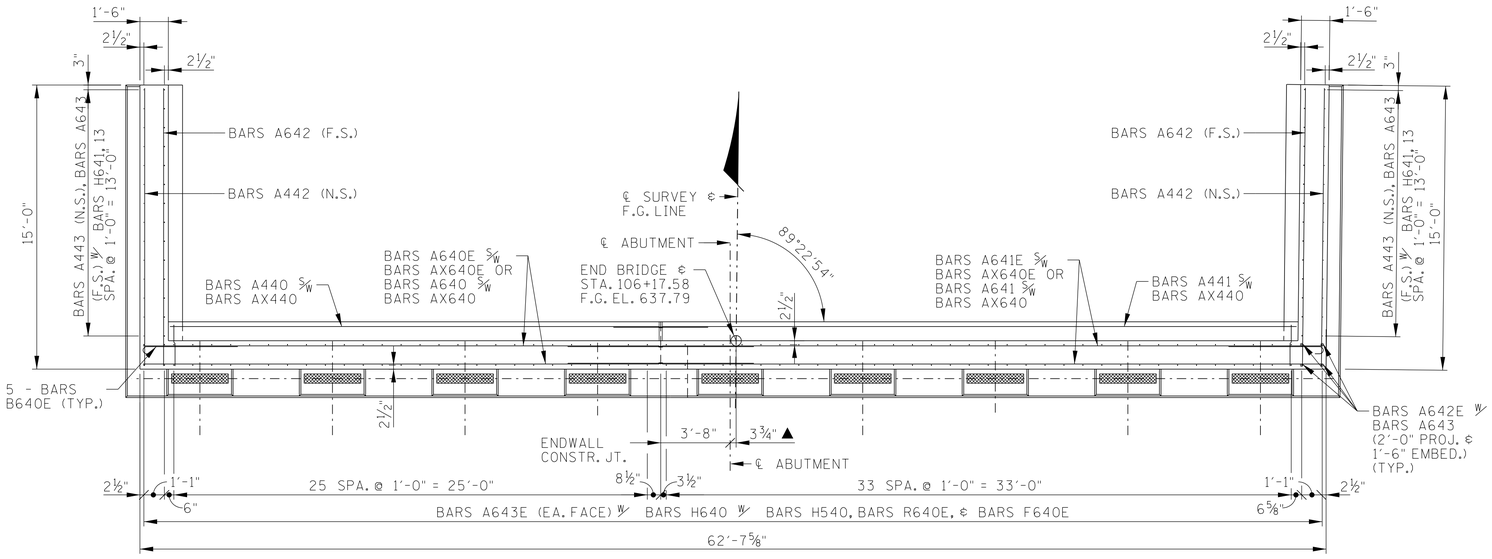
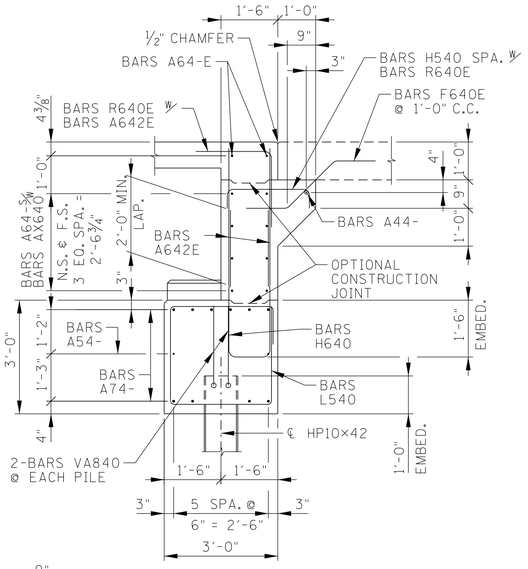


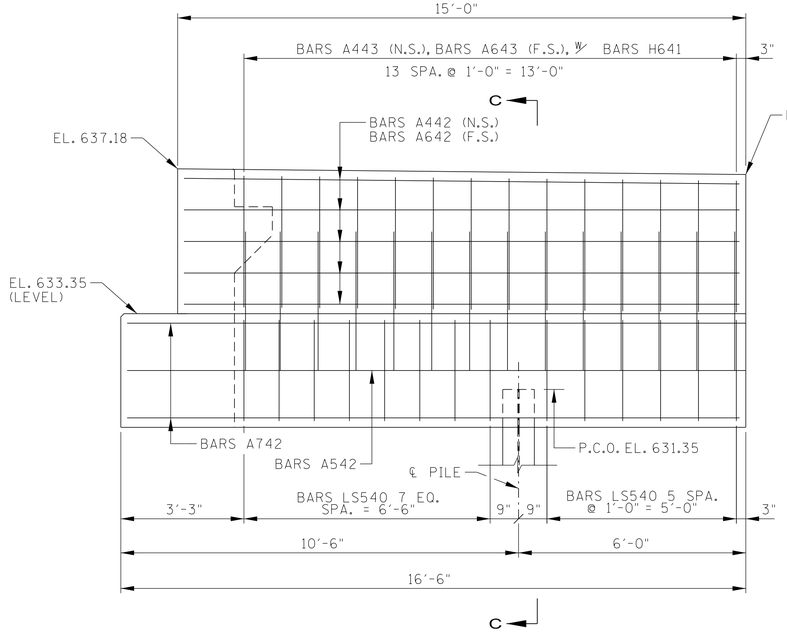
▲ DENOTES: MEASURED FROM END BRIDGE STA. PERP. TO ℄ ABUT.

SECTION A-A

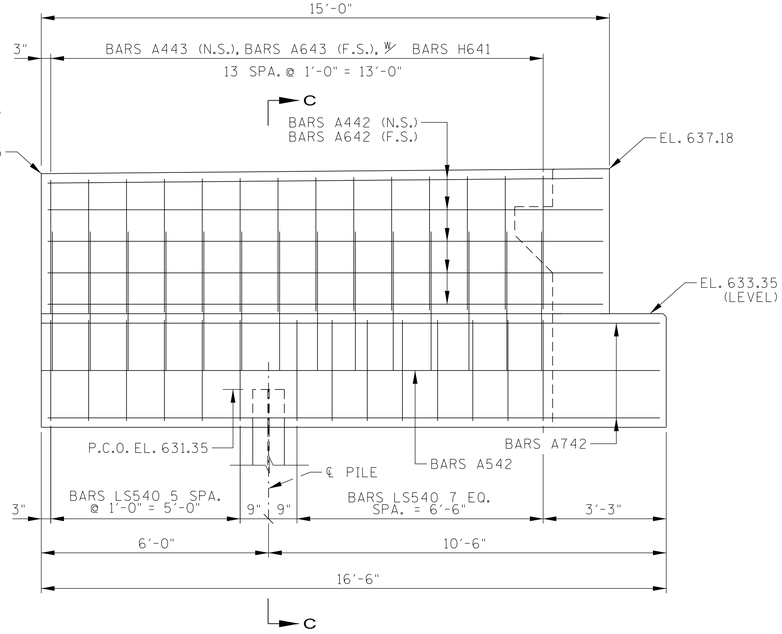
NOTE: CONTRACTOR SHALL USE EXTREME CAUTION WHEN DRIVING WINGBEAM PILES DUE TO CLOSE PROXIMITY TO SEWER LINE TO THE NORTH. SEE DWG. NO. U-100-664 FOR APPROX. LOCATION OF EXISTING SEWER LINE.



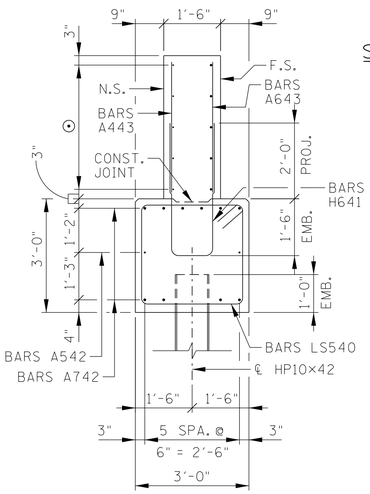
SECTION B-B



ELEVATION B-B



ELEVATION A-A



SECTION C-C

⊙ DENOTES: BARS A442 (N.S.), BARS A642 (F.S.), 4 EQ. SPA. = 3'-4"

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ABUTMENT NO. 2 DETAILS
STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-681

PIN NO.: 124873.00
DESIGN BY: B. WELLS DATE: 08/2025
DRAWN BY: B. WELLS DATE: 09/2025
SUPERVISED BY: D. MCCRARY DATE: 09/2025
CHECKED BY: H. NEAL DATE: 11/2025

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-20

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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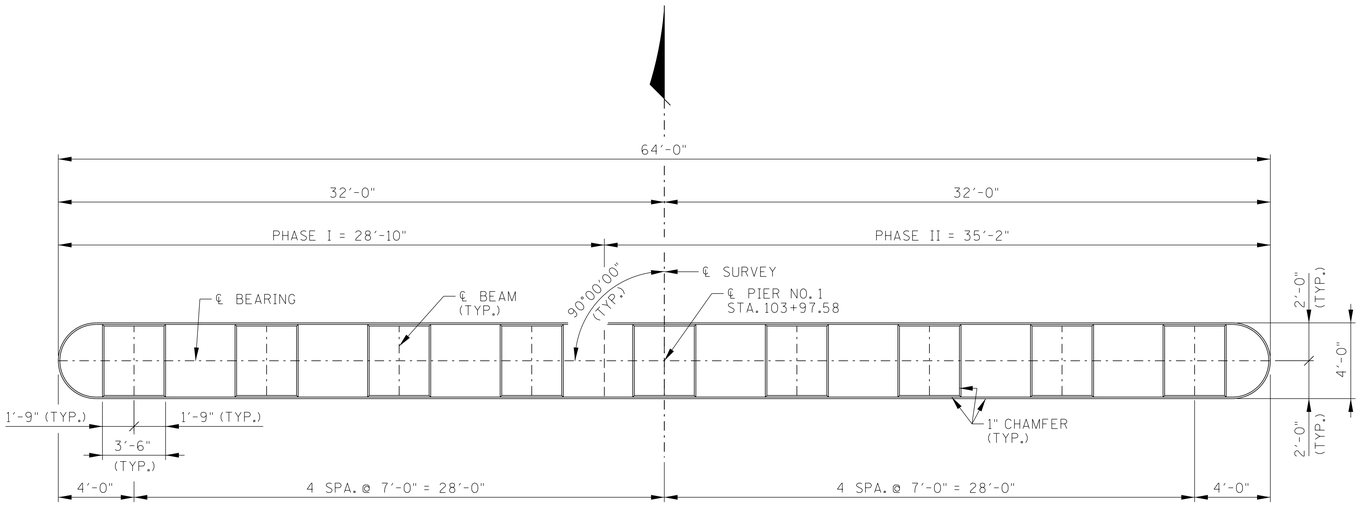
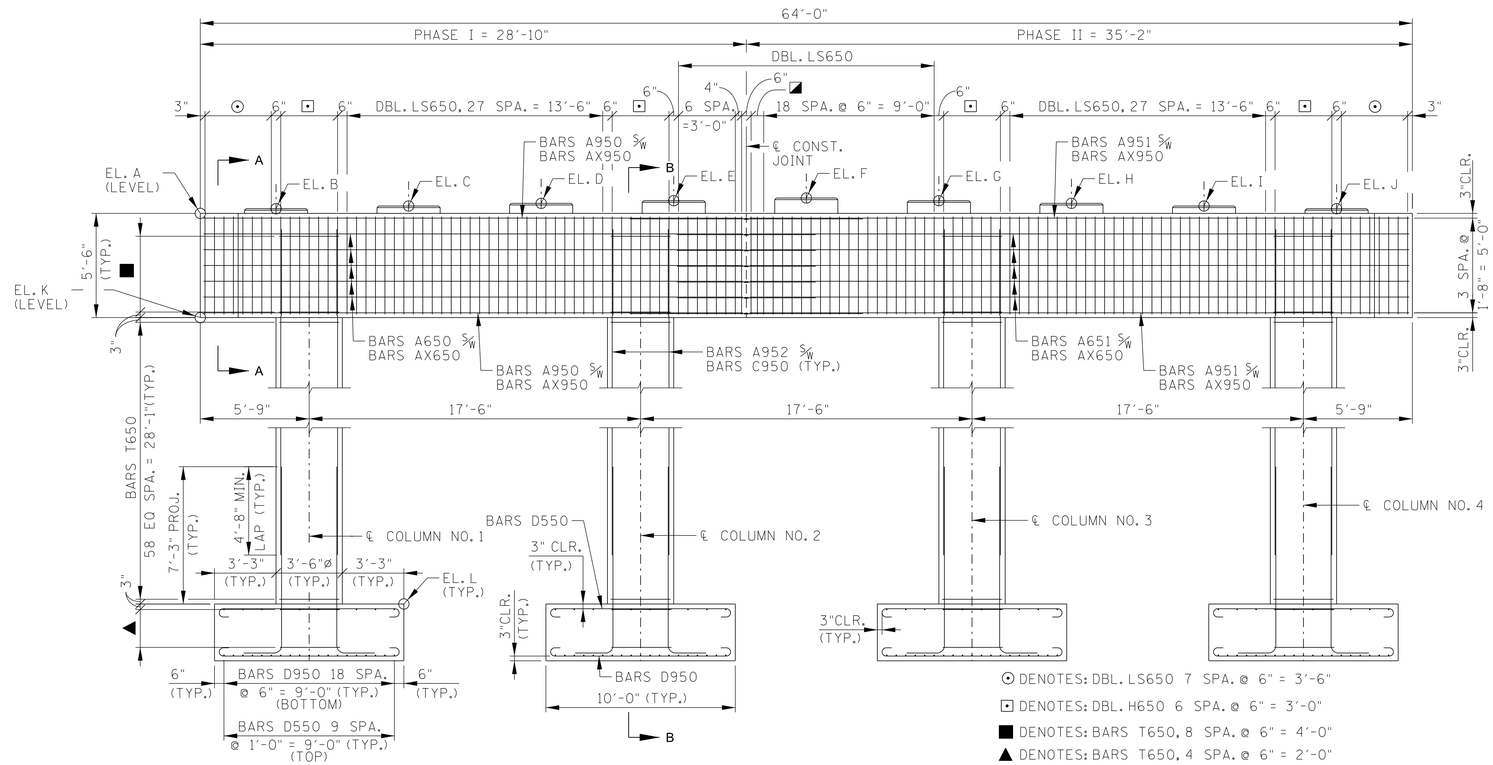


PLAN



ELEVATION

⊙ DENOTES: DBL. LS650 7 SPA. @ 6" = 3'-6"

⊡ DENOTES: DBL. H650 6 SPA. @ 6" = 3'-0"

■ DENOTES: BARS T650, 8 SPA. @ 6" = 4'-0"

▲ DENOTES: BARS T650, 4 SPA. @ 6" = 2'-0"

◪ DENOTES: 2 SPA. @ 4" = 8"

NOTE: FOR RISER BLOCK SLOPE DETAIL AND RISER BLOCK REINFORCEMENT, SEE DWG. NO. U-100-685.

PIER NO. 1 TABLE OF ELEVATIONS

EL. A	634.04
EL. B	634.31
EL. C	634.45
EL. D	634.59
EL. E	634.73
EL. F	634.87
EL. G	634.73
EL. H	634.59
EL. I	634.45
EL. J	634.31
EL. K	628.54
EL. L	599.95

GENERAL NOTES:

1) WHEN POURING PIER CAP, PROVISIONS SHALL BE MADE FOR SETTING ANCHOR BOLTS.
2) RISER BLOCKS SHALL BE POURED MONOLITHICALLY WITH THE PIER CAP. RISER BLOCKS OF 6 INCHES IN HEIGHT OR HIGHER AT CENTERLINE SHALL BE REINFORCED. RISER BLOCKS SHALL BE A MINIMUM OF 2 INCHES AT THE CENTERLINE AND 1 INCH AT THE EDGE.
3) RISER BLOCK BEARING SURFACE TO CONFORM TO BOTTOM OF BEAM GRADE.
4) ELASTOMERIC PADS SHALL BE IN PLACE A MINIMUM OF ONE DAY BEFORE BEING DISTURBED BY SETTING BEAMS. PLACE RUBBER BONDING CEMENT IN SUCH A WAY THAT VISIBLE CONCRETE SURFACES WILL NOT BE STAINED.
5) COLUMN STEEL SHALL PROJECT 4'-8" INTO PIER CAP.
6) FOR SECTION A-A, SECTION B-B, & SECTION C-C. SEE DWG. NO. U-100-685.

END ELEVATION

SEALED BY

BRADEN G. WELLS — REGISTERED ENGINEER — AGRICULTURE — COMMERCE — No. 137251 — STATE OF TENNESSEE

02/11/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PIER NO. 1

STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-682

PIN NO.: 124873.00

DESIGN BY:	B. WELLS	DATE: 08/2025
DRAWN BY:	B. WELLS	DATE: 09/2025
SUPERVISED BY:	D. MCCRARY	DATE: 09/2025
CHECKED BY:	H. NEAL	DATE: 11/2025

Gresham Smith

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-21

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
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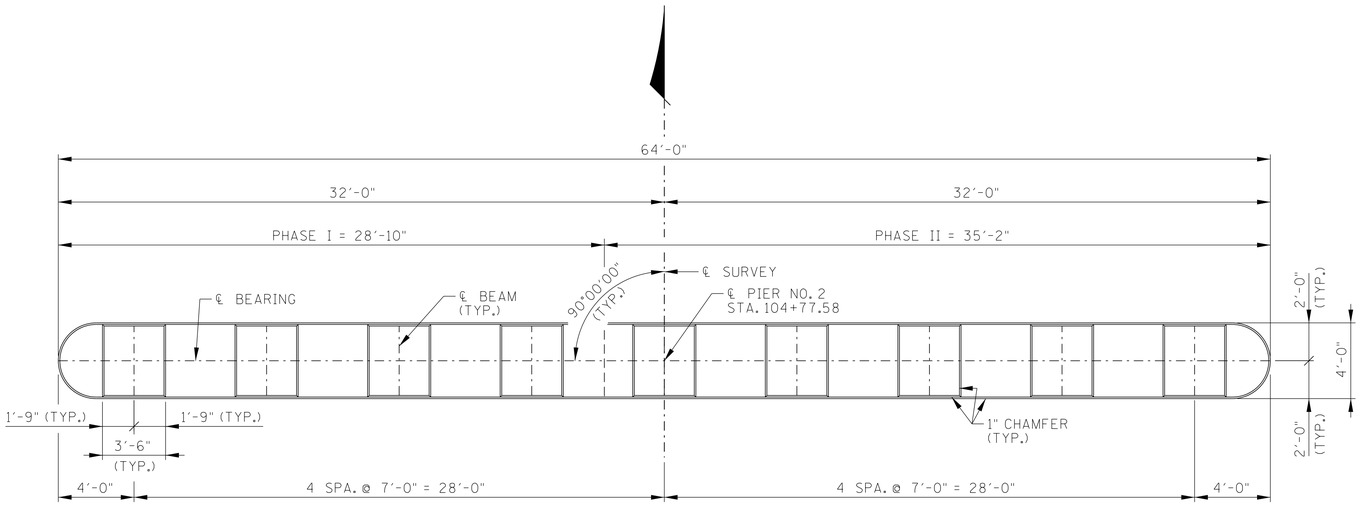
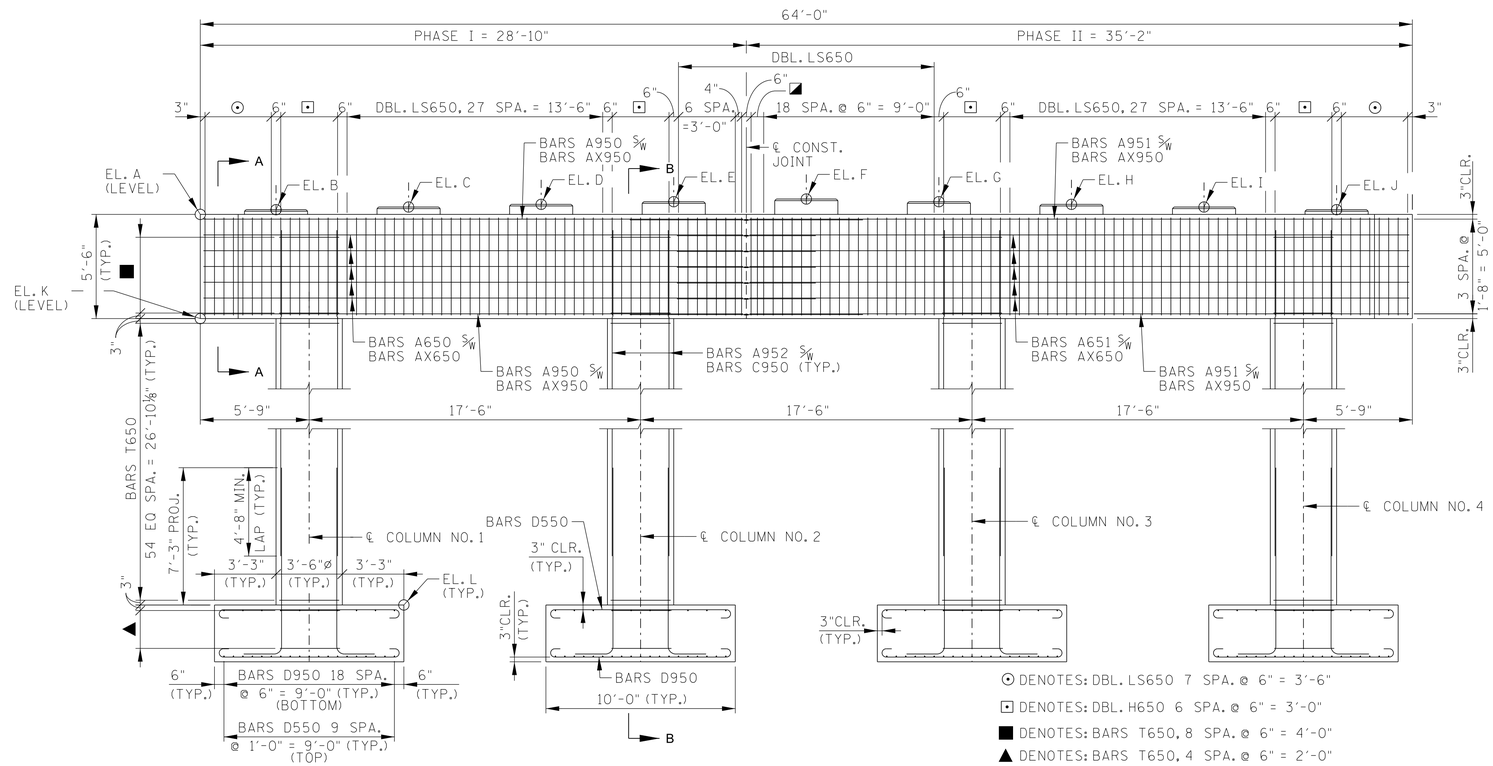


PLAN



ELEVATION

⊙ DENOTES: DBL. LS650 7 SPA. @ 6" = 3'-6"

⊡ DENOTES: DBL. H650 6 SPA. @ 6" = 3'-0"

■ DENOTES: BARS T650, 8 SPA. @ 6" = 4'-0"

▲ DENOTES: BARS T650, 4 SPA. @ 6" = 2'-0"

◪ DENOTES: 2 SPA. @ 4" = 8"

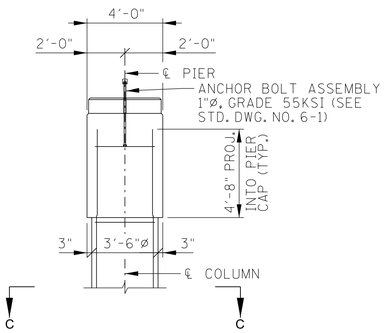
NOTE: FOR RISER BLOCK SLOPE DETAIL AND RISER BLOCK REINFORCEMENT, SEE DWG. NO. U-100-685.

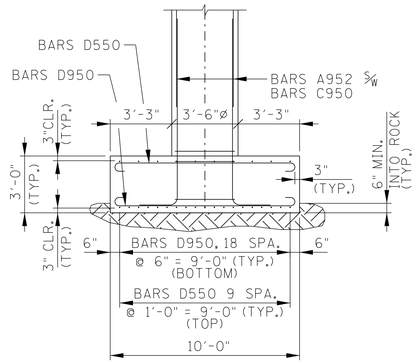
PIER NO. 2 TABLE OF ELEVATIONS

EL. A	634.69
EL. B	634.95
EL. C	635.09
EL. D	635.23
EL. E	635.37
EL. F	635.51
EL. G	635.37
EL. H	635.23
EL. I	635.09
EL. J	634.95
EL. K	629.19
EL. L	601.85

GENERAL NOTES:

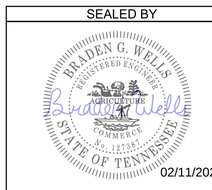
1) WHEN POURING PIER CAP, PROVISIONS SHALL BE MADE FOR SETTING ANCHOR BOLTS.
2) RISER BLOCKS SHALL BE POURED MONOLITHICALLY WITH THE PIER CAP. RISER BLOCKS OF 6 INCHES IN HEIGHT OR HIGHER AT CENTERLINE SHALL BE REINFORCED. RISER BLOCKS SHALL BE A MINIMUM OF 2 INCHES AT THE CENTERLINE AND 1 INCH AT THE EDGE.
3) RISER BLOCK BEARING SURFACE TO CONFORM TO BOTTOM OF BEAM GRADE.
4) ELASTOMERIC PADS SHALL BE IN PLACE A MINIMUM OF ONE DAY BEFORE BEING DISTURBED BY SETTING BEAMS. PLACE RUBBER BONDING CEMENT IN SUCH A WAY THAT VISIBLE CONCRETE SURFACES WILL NOT BE STAINED.
5) COLUMN STEEL SHALL PROJECT 4'-8" INTO PIER CAP.
6) FOR SECTION A-A, SECTION B-B, & SECTION C-C. SEE DWG. NO. U-100-685.





END ELEVATION

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PIER NO. 2

STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-683

PIN NO.: 124873.00
DESIGN BY: B. WELLS DATE: 08/2025
DRAWN BY: B. WELLS DATE: 09/2025
SUPERVISED BY: D. MCCRARY DATE: 09/2025
CHECKED BY: H. NEAL DATE: 11/2025

Gresham Smith

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-22

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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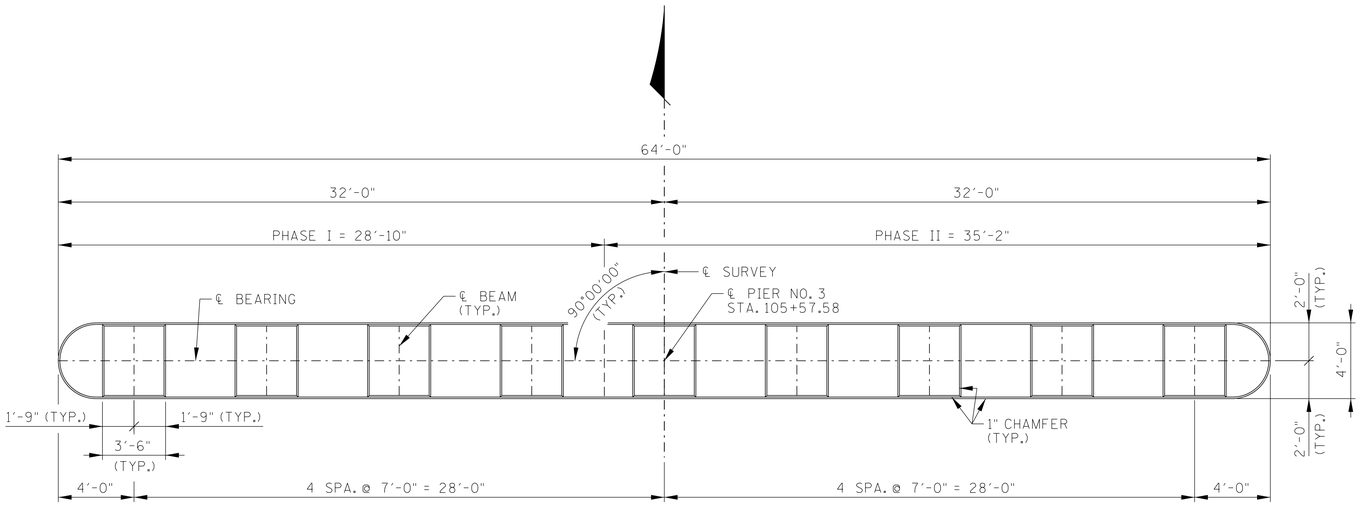
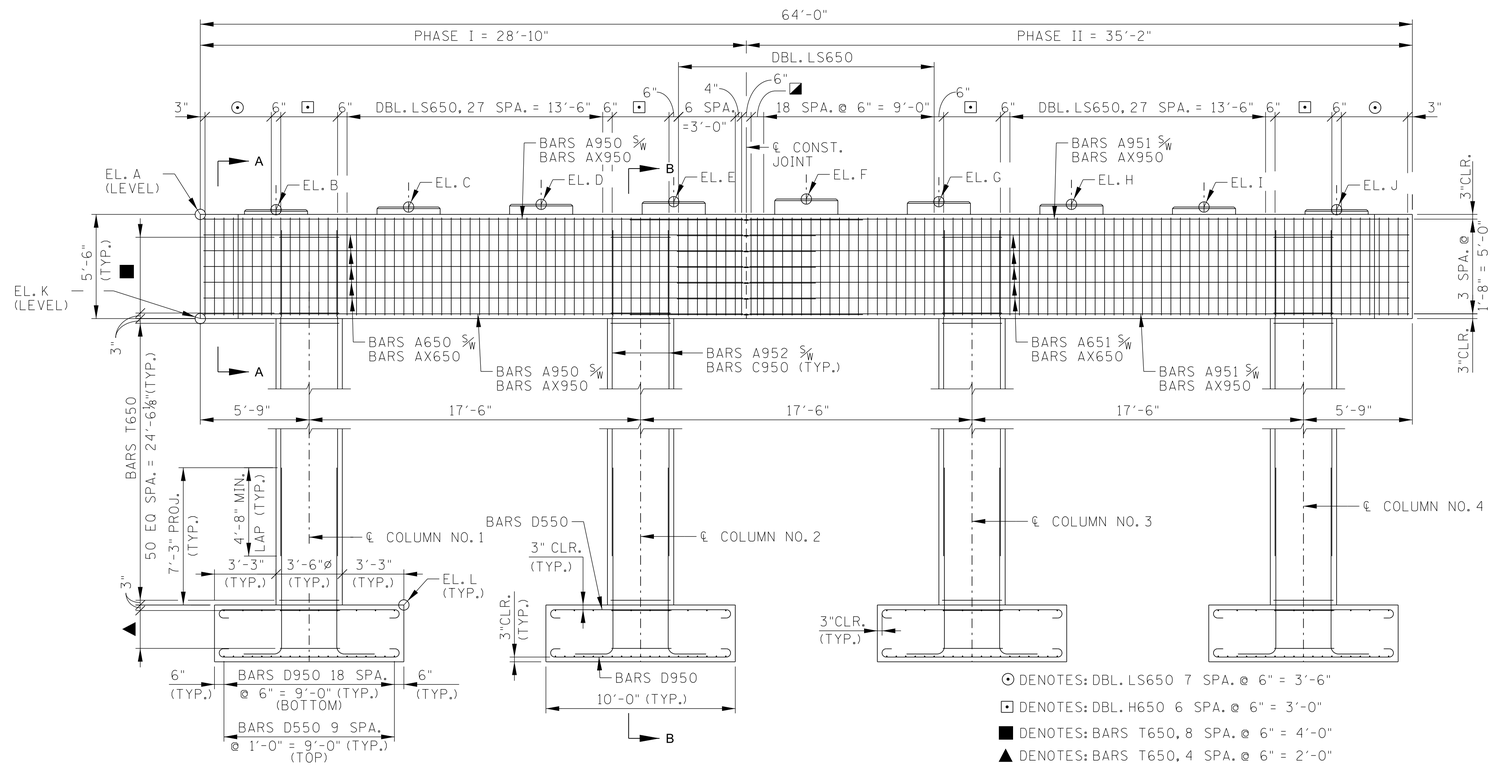


PLAN



ELEVATION

⊙ DENOTES: DBL. LS650 7 SPA. @ 6" = 3'-6"

⊡ DENOTES: DBL. H650 6 SPA. @ 6" = 3'-0"

■ DENOTES: BARS T650, 8 SPA. @ 6" = 4'-0"

▲ DENOTES: BARS T650, 4 SPA. @ 6" = 2'-0"

◪ DENOTES: 2 SPA. @ 4" = 8"

NOTE: FOR RISER BLOCK SLOPE DETAIL AND RISER BLOCK REINFORCEMENT, SEE DWG. NO. U-100-685.

PIER NO. 3 TABLE OF ELEVATIONS

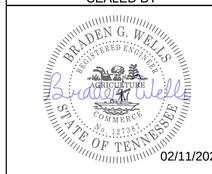
EL. A	634.25
EL. B	634.51
EL. C	634.65
EL. D	634.79
EL. E	634.93
EL. F	635.07
EL. G	634.93
EL. H	634.79
EL. I	634.65
EL. J	634.51
EL. K	628.75
EL. L	603.74

GENERAL NOTES:

1) WHEN POURING PIER CAP, PROVISIONS SHALL BE MADE FOR SETTING ANCHOR BOLTS.
2) RISER BLOCKS SHALL BE POURED MONOLITHICALLY WITH THE PIER CAP. RISER BLOCKS OF 6 INCHES IN HEIGHT OR HIGHER AT CENTERLINE SHALL BE REINFORCED. RISER BLOCKS SHALL BE A MINIMUM OF 2 INCHES AT THE CENTERLINE AND 1 INCH AT THE EDGE.
3) RISER BLOCK BEARING SURFACE TO CONFORM TO BOTTOM OF BEAM GRADE.
4) ELASTOMERIC PADS SHALL BE IN PLACE A MINIMUM OF ONE DAY BEFORE BEING DISTURBED BY SETTING BEAMS. PLACE RUBBER BONDING CEMENT IN SUCH A WAY THAT VISIBLE CONCRETE SURFACES WILL NOT BE STAINED.
5) COLUMN STEEL SHALL PROJECT 4'-8" INTO PIER CAP.
6) FOR SECTION A-A, SECTION B-B, & SECTION C-C. SEE DWG. NO. U-100-685.

END ELEVATION

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PIER NO. 3

STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-684

PIN NO.: 124873.00

DESIGN BY:	B. WELLS	DATE: 08/2025
DRAWN BY:	B. WELLS	DATE: 09/2025
SUPERVISED BY:	D. MCCRARY	DATE: 09/2025
CHECKED BY:	H. NEAL	DATE: 11/2025

Gresham Smith

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-23

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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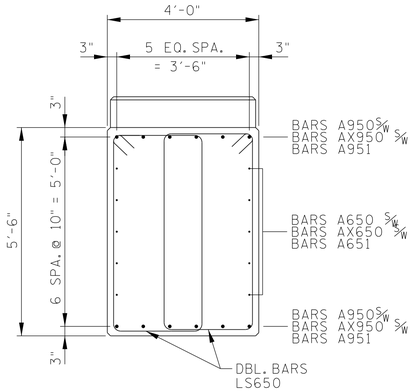
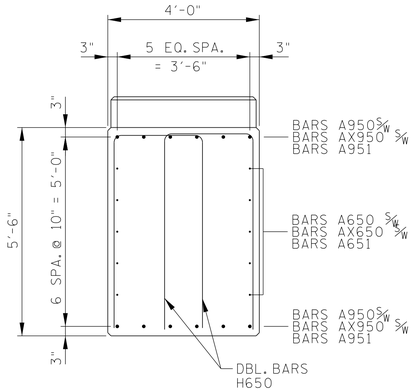


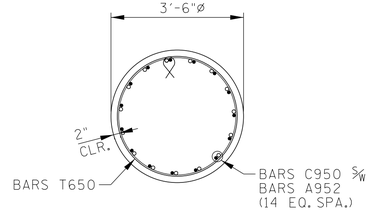
SECTION A-A

(TYP. ALL PIERS)



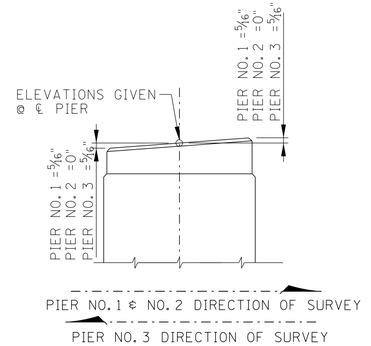
SECTION B-B

(TYP. ALL PIERS)



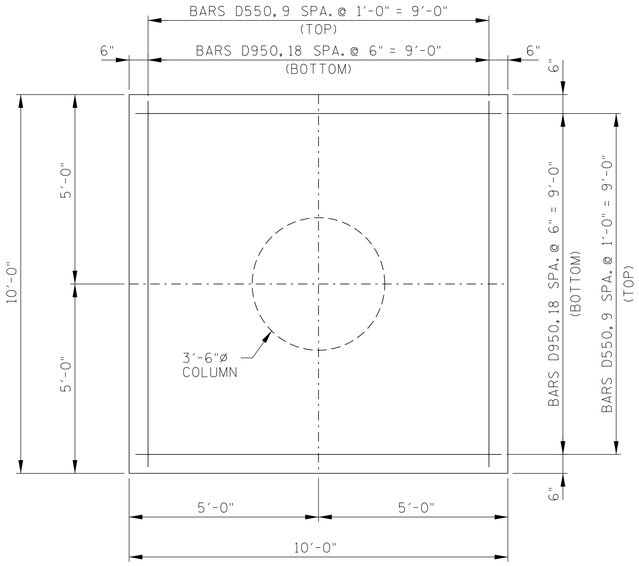
SECTION C-C

(TYP. ALL PIERS)



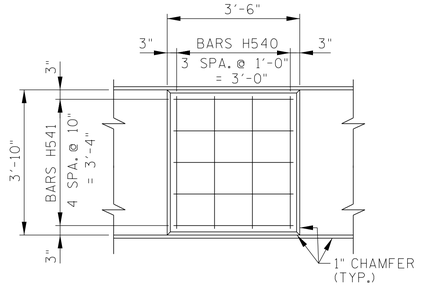
RISER BLOCK SLOPE DETAIL

(TYP. @ EACH RISER BLOCK)

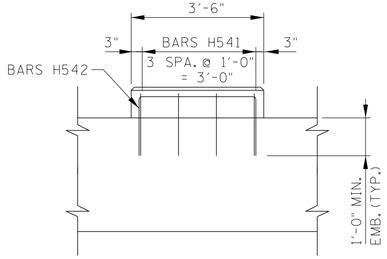


PLAN OF FOOTING

(TYP. ALL PIERS, ALL FOOTINGS)



PLAN



ELEVATION

RISER BLOCK REINFORCING DETAIL

SEALED BY

BRADEN G. WELLS
REGISTERED ENGINEER
No. 127357
STATE OF TENNESSEE
02/11/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PIER NO. 1 - NO. 3 DETAILS
STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-685

PIN NO.: 124873.00

DESIGN BY:	B. WELLS	DATE: 08/2025
DRAWN BY:	B. WELLS	DATE: 09/2025
SUPERVISED BY:	D. MCCRARY	DATE: 09/2025
CHECKED BY:	H. NEAL	DATE: 11/2025

Gresham Smith

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-24

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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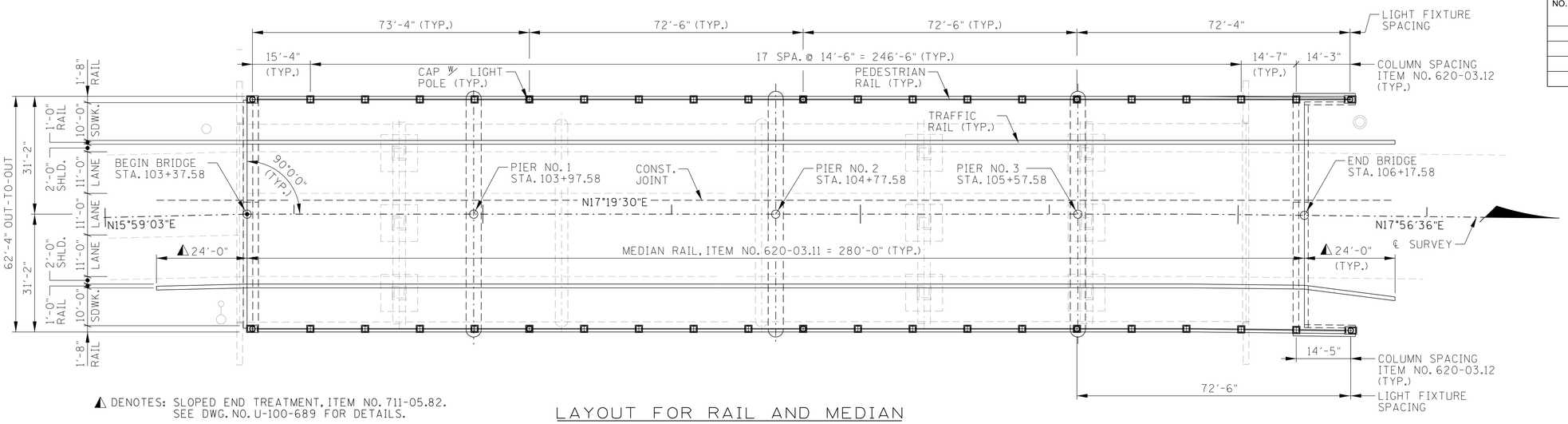
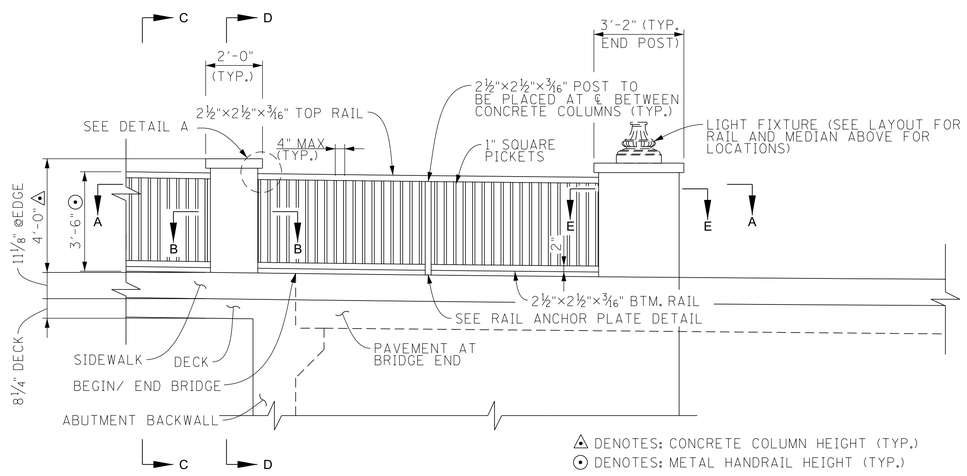


⚠ DENOTES: SLOPED END TREATMENT, ITEM NO. 711-05.82. SEE DWG. NO. U-100-689 FOR DETAILS.

NOTE: DIMENSIONS ASSOCIATED WITH ITEM NO. 620-03.12 ARE FROM ℄ COLUMN TO ℄ COLUMN.

LAYOUT FOR RAIL AND MEDIAN



⚠ DENOTES: CONCRETE COLUMN HEIGHT (TYP.)

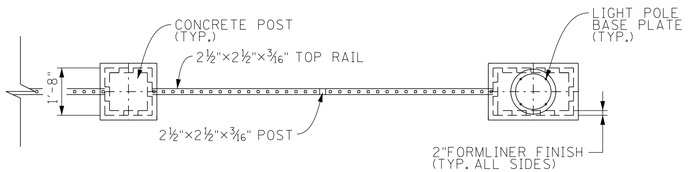
⊙ DENOTES: METAL HANDRAIL HEIGHT (TYP.)

ELEVATION - PEDESTRIAN RAIL

NOTE: FOR DETAIL A, RAIL ANCHOR PLATE DETAIL, SECTION B-B, SECTION C-C, AND SECTION D-D, SEE DWG. NO. U-100-687.

NOTE: ALL METAL MATERIAL OF PEDESTRIAN RAIL TO HAVE FINAL FINISH TO MATCH SHERWIN WILLIAMS #PGS8-90245 (80% GLOSS) (FRANKLIN GREEN)

NOTE: VERTICAL COLUMN FACES AND VERTICAL TRAFFIC RAIL TO BE FORMED WITH AN APPROVED FORMLINER SIMILAR TO CUSTOM ROCK PATTERN #1114-R2, RANDOM CUT STONE.



SECTION A-A

NOTE: SIDEWALK NOT SHOWN FOR CLARITY

SEALED BY

BRADEN G. WELLS REGISTERED ENGINEER AGRICULTURE COMMERCE No. 127251 STATE OF TENNESSEE

02/11/2026

PIN NO.: 124873.00

DESIGN BY:	B. WELLS	DATE: 08/2025
DRAWN BY:	B. WELLS	DATE: 09/2025
SUPERVISED BY:	D. MCCRARY	DATE: 09/2025
CHECKED BY:	H. NEAL	DATE: 11/2025

Gresham Smith

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-686

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-25

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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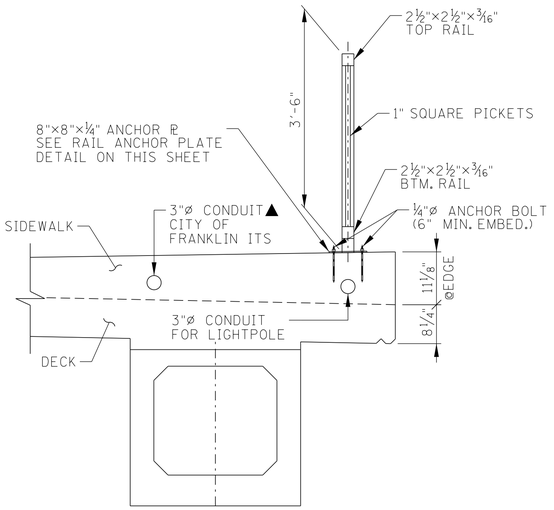


SECTION C-C

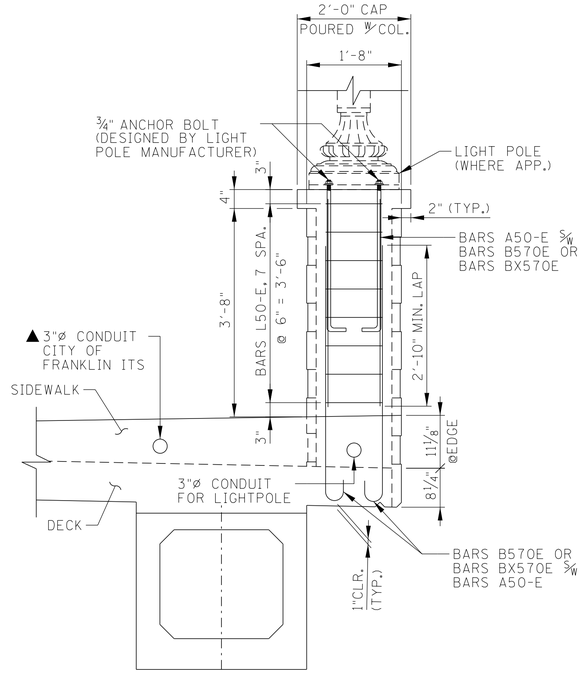
NOTE: SEE SIDEWALK PLAN FOR REINFORCEMENT IN SIDEWALK ON DWG. NO. U-100-672.

NOTE: CONTRACTOR SHALL AVOID CONFLICTS BETWEEN CONDUITS AND THE VERTICAL STEEL POST ANCHORS OF THE PEDESTRIAN RAIL

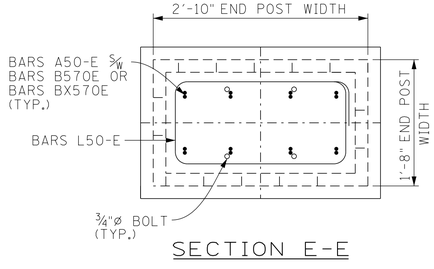
NOTE: ALL REINFORCEMENT SHOWN IS FOR GENERAL DESIGN LAYOUT. ALL REINFORCEMENT TO BE PAID FOR UNDER ITEM NUMBER 620-03.12. SHOP DRAWINGS MUST BE PROVIDED BY FABRICATOR PRIOR TO FABRICATION.

NOTE: ALL METAL MATERIAL OF PEDESTRIAN RAIL TO HAVE FINAL FINISH TO MATCH SHERWIN WILLIAMS #PGS8-90245 (80% GLOSS) (FRANKLIN GREEN)

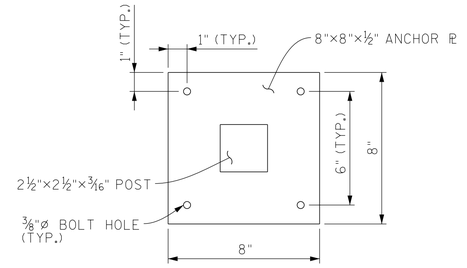
▲ DENOTES: 3"ø CITY OF FRANKLIN ITS CONDUIT ONLY PLACED ON LEFT SIDE OF BRIDGE (SEE LIGHTING PLANS FOR DETAILS).



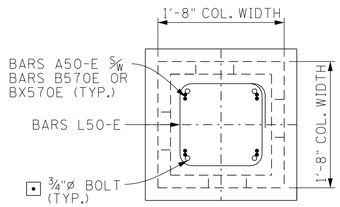
SECTION D-D



SECTION E-E



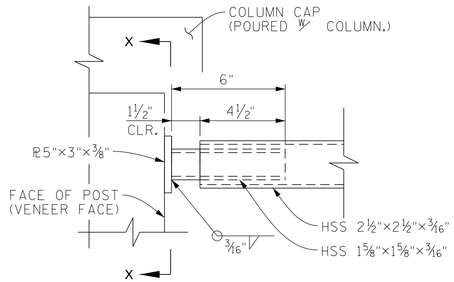
RAIL ANCHOR PLATE DETAIL



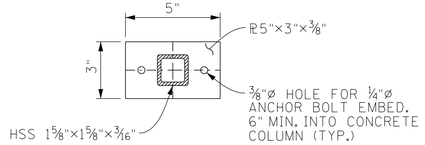
SECTION B-B

⊡ DENOTES: LIGHT POLE ANCHOR BOLTS ARE ONLY APPLICABLE TO COLUMNS WHERE LIGHT POLES ARE TO BE LOCATED. SEE DWG. NO. U-100-686 FOR LIGHT POLE LOCATIONS.

NOTE: VERTICAL COLUMN FACES AND VERTICAL TRAFFIC RAIL TO BE FORMED WITH AN APPROVED FORMLINER SIMILAR TO CUSTOM ROCK PATTERN #1114-R2, RANDOM CUT STONE.



DETAIL A



SECTION X-X

SEALED BY

BRADEN G. WELLS — REGISTERED ENGINEER — AGRICULTURE COMMERCE — No. 137251 — STATE OF TENNESSEE

02/11/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-687

PIN NO.: 124873.00
DESIGN BY: B. WELLS DATE: 08/2025
DRAWN BY: B. WELLS DATE: 09/2025
SUPERVISED BY: D. MCCRARY DATE: 09/2025
CHECKED BY: H. NEAL DATE: 11/2025

Gresham Smith

2/10/2026 10:40:51 PM
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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-26

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
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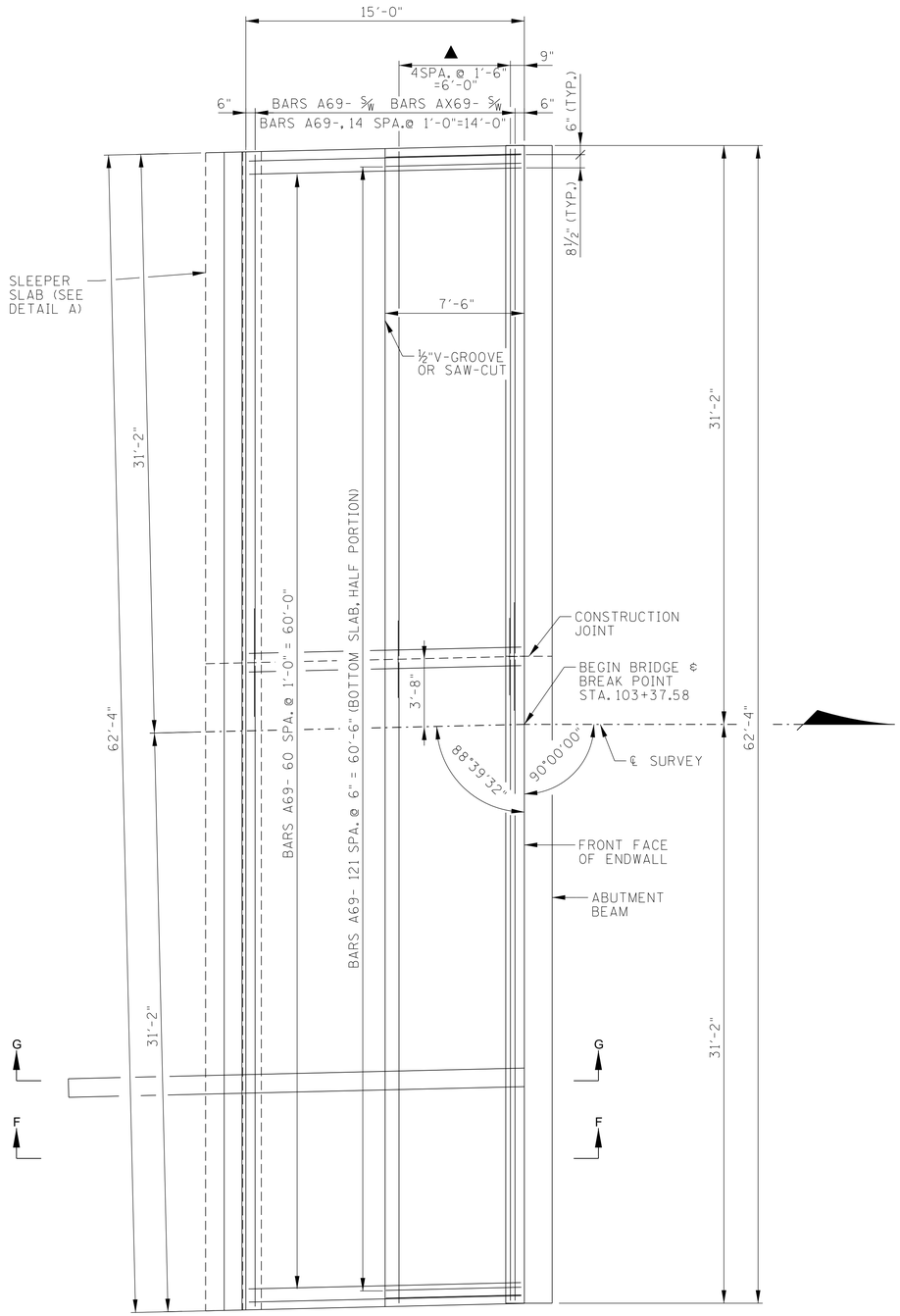
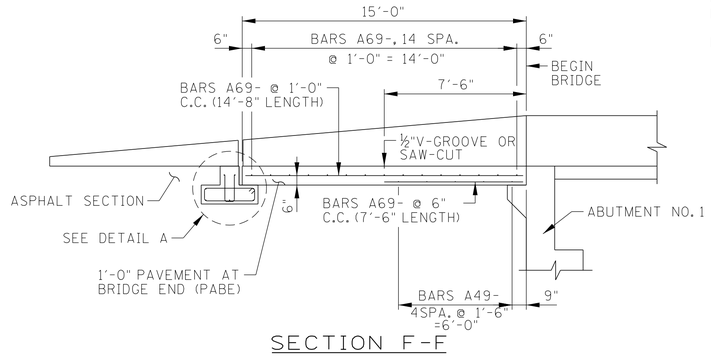


PLAN

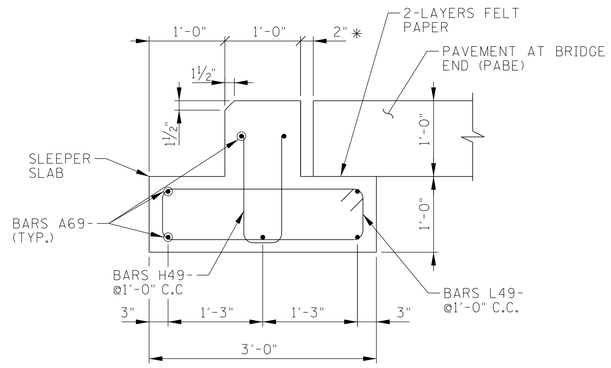
▲ DENOTES: BARS A49- ⅝W BARS AX49- ⅝W BARS A49-

NOTE: SLEEPER SLAB BARS NOT SHOWN FOR CLARITY. SEE SECTION F-F AND STD. DWG. NO. STD-1-5 FOR DETAILS.

NOTE: SEE DWG. NO. U-100-689 FOR SECTION G-G



SECTION F-F



DETAIL B

* DENOTES: SEE STD DWG. NO. STD-1-5 FOR JOINT DETAILS

NOTES:

NOTE: BARRIER RAIL REINFORCEMENT NOT SHOWN FOR CLARITY.

NOTE: COST OF ALL LABOR AND MATERIAL TO BE INCLUDED IN ITEM NO. 604-03.04.

NOTE: DRAWINGS ARE ONLY INTENDED TO CLARIFY THE LENGTH, WIDTH, & GENERAL LOCATION OF ALL ASPECTS OF THE SHOTENED PABE. NOTHING HEREIN SHALL SUPERSEDE STD. DWG. NO. STD-1-5 AND ALL NOTES AND DETAILS FROM THE STD. DWG. SHALL APPLY.

SEALED BY

BRADEN G. WELLS REGISTERED ENGINEER No. 127357 STATE OF TENNESSEE

02/11/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-688

PIN NO.:	124873.00	
DESIGN BY:	B. WELLS	DATE: 08/2025
DRAWN BY:	B. WELLS	DATE: 09/2025
SUPERVISED BY:	D. MCCRARY	DATE: 09/2025
CHECKED BY:	H. NEAL	DATE: 11/2025

Gresham Smith

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-27

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
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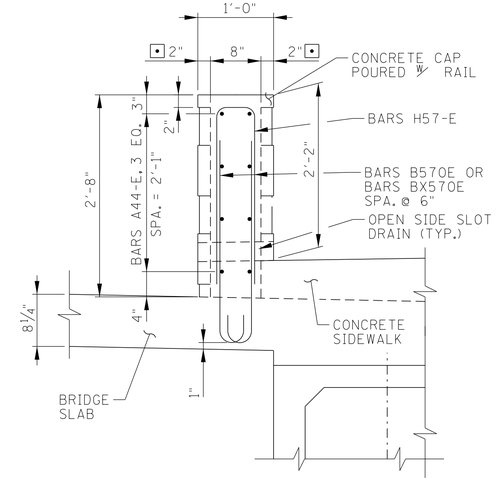
	- -		
	- -		

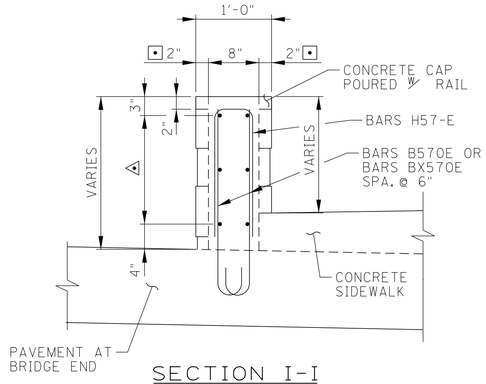


SECTION H-H

(BARRIER RAIL SECTION ACROSS FULL LENGTH OF BRIDGE)

⊡ DENOTES: 2" THICK MAX. FORMLINER

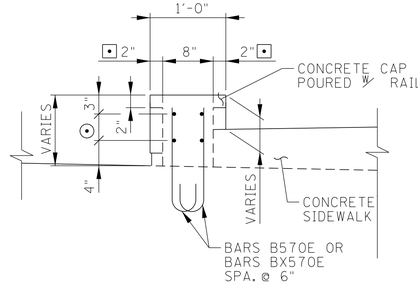
NOTE: VERTICAL COLUMN FACES AND VERTICAL TRAFFIC RAIL TO BE FORMED WITH AN APPROVED FORMLINER SIMILAR TO CUSTOM ROCK PATTERN #1114-R2, RANDOM CUT STONE.



SECTION I-I

(BARRIER RAIL SECTION ACROSS FULL LENGTH OF PAVEMENT AT BRIDGE END)

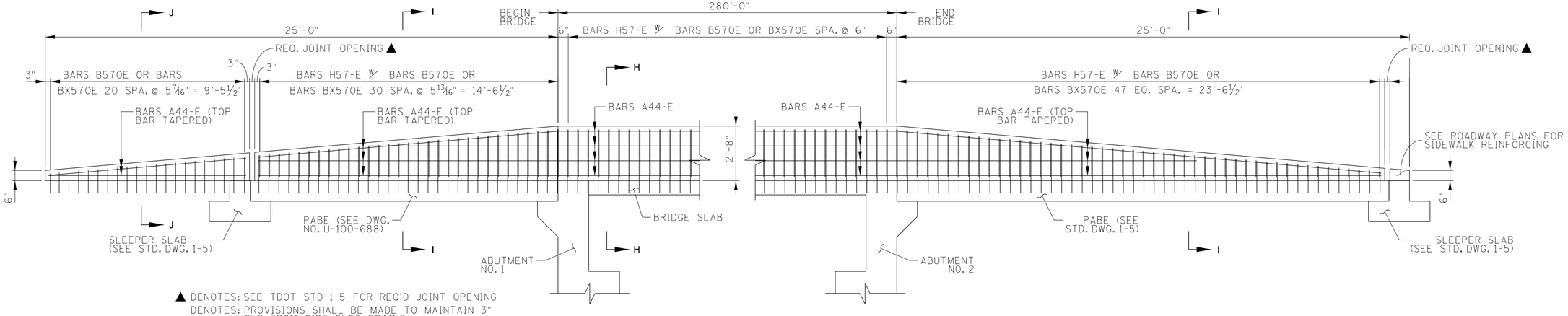
△ DENOTES: BARS A44-E 2 EQ. SPA



SECTION J-J

(BARRIER RAIL SECTION AT C℄G SECTION)

⊙ DENOTES: BARS A44-E



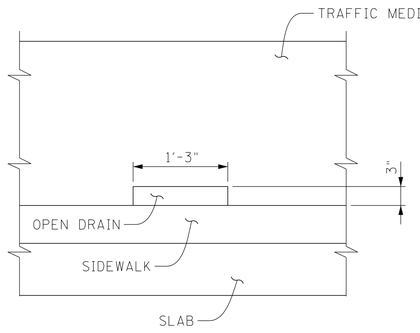
▲ DENOTES: SEE TDOT STD-1-5 FOR REQ'D JOINT OPENING

DENOTES: PROVISIONS SHALL BE MADE TO MAINTAIN 3" CLR. FROM SIDE SLOT DRAINS.

NOTE: ALL REINFORCEMENT SHOWN IS FOR GENERAL DESIGN LAYOUT. ALL REINFORCEMENT TO BE PAID FOR UNDER ITEM NUMBER 620-03.11. SHOP DRAWINGS MUST BE PROVIDED BY FABRICATOR PRIOR TO FABRICATION.

SECTION G-G

NOTE: SHOWING BOTH ABUTMENT ENDS



SIDE SLOT DRAIN DETAIL

NOTE: SEE DWG. NO. U-100-664 FOR LOCATION OF SIDE SLOT DRAINS.

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BRADEN G. WELLS — REGISTERED ENGINEER — AGRICULTURE — COMMERCE — No. 127387 — STATE OF TENNESSEE

02/11/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-689

PIN NO.:	124873.00		
DESIGN BY:	B. WELLS	DATE:	08/2025
DRAWN BY:	B. WELLS	DATE:	09/2025
SUPERVISED BY:	D. MCCRARY	DATE:	09/2025
CHECKED BY:	H. NEAL	DATE:	11/2025

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-28

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
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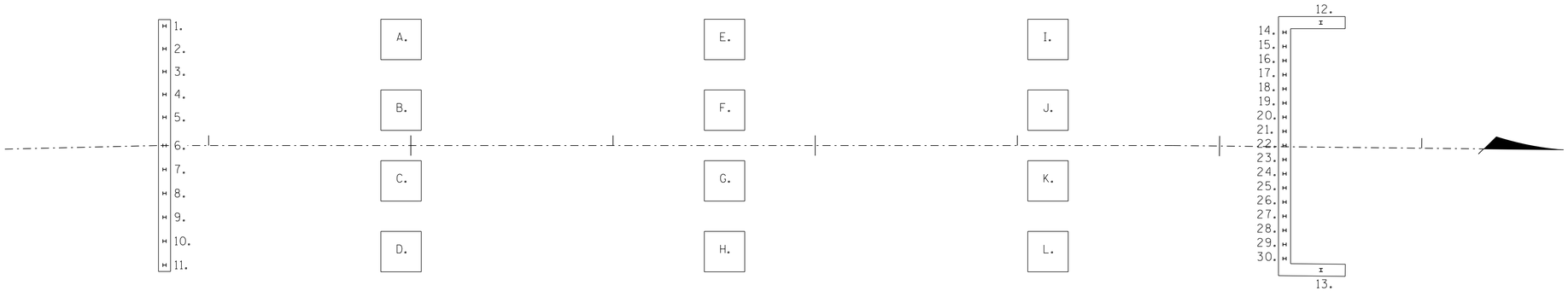
	- -		
	- -		



PLAN

PILE DATA TABLES

ABUTMENT NO. 1

PILE NO.	PILE CUT-OFF ELEVATION	PILE TIP ELEVATION
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		

ABUTMENT NO. 2

PILE NO.	PILE CUT-OFF ELEVATION	PILE TIP ELEVATION
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		
26.		
27.		
28.		
29.		
30.		

SPREAD FOOTING DATA TABLES

PIER NO. 1

FTG. NO.	TOP OF FTG. ELEVATION	BTM. OF FTG. ELEVATION
A.		
B.		
C.		
D.		

PIER NO. 2

FTG. NO.	TOP OF FTG. ELEVATION	BTM. OF FTG. ELEVATION
E.		
F.		
G.		
H.		

PIER NO. 3

FTG. NO.	TOP OF FTG. ELEVATION	BTM. OF FTG. ELEVATION
I.		
J.		
K.		
L.		

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

FINAL FOUNDATION DATA
STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-690

PIN NO.: 124873.00
DESIGN BY: B. WELLS DATE: 08/2025
DRAWN BY: B. WELLS DATE: 09/2025
SUPERVISED BY: D. MCCRARY DATE: 09/2025
CHECKED BY: H. NEAL DATE: 11/2025

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-29

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

SUPERSTRUCTURE (REGULAR)

BAR	LOCATION	SIZE	NO REQ'D.	BENDING DIMENSION A	B	C	D	LENGTH
A500	DIAPHRAGM	5	24	25'-6''				25'-6''
A501	DIAPHRAGM	5	24	32'-10''				32'-10''
AX500	DIAPHRAGM	5	24	3'-2''				6'-4''
L400	DIAPHRAGM	4	24	1'-2''	0'-8''	3'-3''		9'-6''
L401	DIAPHRAGM	4	24	1'-2''	0'-8''	3'-1 5/8''		9'-4''
L402	DIAPHRAGM	4	24	1'-2''	0'-8''	2'-11 3/4''		9'-0''
L403	DIAPHRAGM	4	24	1'-2''	0'-8''	2'-10''		8'-8''
LS400	DIAPHRAGM	4	54	1'-2''	1'-2''			5'-5''

SUPERSTRUCTURE (EPOXY)

BAR	LOCATION	SIZE	NO REQ'D.	BENDING DIMENSION A	B	C	D	LENGTH
A500E	SIDEWALK	5	130	60'-0''				60'-0''
A501E	SLAB	5	1120	27'-2''				27'-2''
A502E	SLAB	5	1120	34'-6''				34'-6''
A503E	SIDEWALK	5	26	36'-2''				36'-2''
A504E	SIDEWALK	5	638	11'-5''				11'-5''
A600E	SLAB	6	462	60'-0''				60'-0''
A601E	SLAB	6	148	32'-8''				32'-8''
A602E	SLAB	6	148	25'-8''				25'-8''
A603E	SLAB	6	60	59'-0''				59'-0''
A800E	SLAB	8	168	36'-0''				36'-0''
AX500E	SLAB	5	1120	3'-8''				7'-4''
B570E	INT. RAIL & EX. RAIL COL.	5	1402	2'-8''				3'-3''
BX570E	INT. RAIL & EX. RAIL COL.	5	1303	2'-8''				3'-3''

ABUTMENT NO. 1 (REGULAR)

BAR	LOCATION	SIZE	NO REQ'D.	BENDING DIMENSION A	B	C	D	LENGTH
A440	RDWY. BRKT.	4	1	27'-2''				27'-2''
A441	RDWY. BRKT.	4	1	34'-6''				34'-6''
A540	ABUT. BEAM	5	2	27'-8''				27'-8''
A541	ABUT. BEAM	5	2	34'-0''				34'-0''
A640	ENDWALL	6	8	27'-2''				27'-2''
A641	ENDWALL	6	8	34'-6''				34'-6''
A740	ABUT. BEAM	7	10	27'-8''				27'-8''
A741	ABUT. BEAM	7	10	34'-0''				34'-0''
AX440	RDWY. BRKT.	4	1	2'-7''				5'-2''
AX540	ABUT. BEAM	5	2	3'-2''				6'-4''
AX640	ENDWALL	6	8	3'-9''				7'-6''
AX740	ABUT. BEAM	7	10	4'-4''				8'-8''
H540	ENDWALL	5	63	2'-2''	0'-6''			3'-2''
H541	RISER BLOCKS	5	20	1'-1''	1'-8''			4'-5''
H542	RISER BLOCKS	5	10	3'-2''	1'-8''			6'-6''
H640	ENDWALL/ ABUT. BEAM	6	63	1'-1''	4'-2''			9'-5''
L540	ABUT. BEAM	5	65	2'-8''	1'-0''	2'-8''		11'-8''
VA840	ABUT. BEAM	8	22	2'-6''	2'-6''			5'-0''

ABUTMENT NO. 1 (EPOXY)

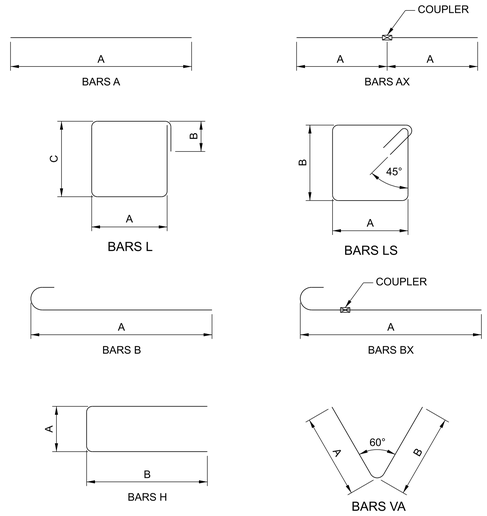
BAR	LOCATION	SIZE	NO REQ'D.	BENDING DIMENSION A	B	C	D	LENGTH
A640E	ENDWALL	6	2	27'-2''				27'-2''
A641E	ENDWALL	6	2	34'-6''				34'-6''
A642E	ENDWALL	6	126	3'-7 1/2''				3'-8''
AX640E	ENDWALL	6	2	5'-0''				10'-0''
F640E	ENDWALL	6	63	1'-1''	1'-3''	1'-1''	1'-3''	4'-0''
R640E	ENDWALL	6	63	2'-0''	2'-0''			4'-0''

ABUTMENT NO. 2 (REGULAR)

BAR	LOCATION	SIZE	NO REQ'D.	BENDING DIMENSION A	B	C	D	LENGTH
A440	RDWY. BRKT.	4	1	25'-8''				25'-8''
A441	RDWY. BRKT.	4	1	33'-3 5/8''				33'-4''
A442	WINGWALL	4	10	14'-8''				14'-8''
A443	WINGWALL	4	28	3'-6''				3'-6''
A540	ABUT. BEAM	5	2	29'-4''				29'-4''
A541	ABUT. BEAM	5	2	34'-1 1/2''				34'-2''
A542	WINGBEAM	5	4	16'-4''				16'-4''
A640	ENDWALL	6	8	27'-2''				27'-2''
A641	ENDWALL	6	8	34'-9 1/2''				34'-10''
A642	WINGWALL	6	10	14'-8''				14'-8''
A643	WINGWALL	6	28	3'-6''				3'-6''
A740	ABUT. BEAM	7	10	29'-4''				29'-4''
A741	ABUT. BEAM	7	10	34'-1 1/2''				34'-2''
A742	WINGBEAM	7	20	16'-4''				16'-4''
AX440	RDWY. BRKT.	4	1	2'-7''				5'-2''
AX540	ABUT. BEAM	5	2	3'-2''				6'-4''
AX640	ENDWALL	6	8	3'-9''				7'-6''
AX740	ABUT. BEAM	7	10	4'-4''				8'-8''
H540	ENDWALL	5	65	2'-2''	0'-6''			3'-2''
H541	RISER BLOCKS	5	20	1'-1''	1'-8''			4'-5''
H542	RISER BLOCKS	5	10	3'-2''	1'-8''			6'-6''
H640	ENDWALL/ ABUT. BEAM	6	65	1'-1''	4'-2''			9'-5''
H641	WINGWALL	6	28	1'-1''	3'-6''			8'-1''
L540	ABUT. BEAM	5	57	2'-8''	1'-0''	2'-8''		11'-8''
LS540	WINGBEAM	5	28	2'-8''	2'-8''			11'-7''
VA840	ABUT. BEAM	8	34	2'-6''	2'-6''			5'-0''

ABUTMENT NO. 2 (EPOXY)

BAR	LOCATION	SIZE	NO REQ'D.	BENDING DIMENSION A	B	C	D	LENGTH
A640E	ENDWALL	6	2	27'-2''				27'-2''
A641E	ENDWALL	6	2	34'-9 1/2''				34'-10''
A642E	ENDWALL	6	130	3'-7 1/2''				3'-8''
B640E	ENDWALL	6	10	5'-0''				5'-8''
AX640E	ENDWALL	6	2	5'-0''				10'-0''
F640E	ENDWALL	6	65	1'-1''	1'-3''	1'-1''	1'-3''	4'-0''
R640E	ENDWALL	6	65	2'-0''	2'-0''			4'-0''



REINFORCING STEEL CODE:

TYPE:	SIZE:	SERIES:
A	5	06

NOTE: DIMENSIONS SHOWN ON THIS SHEET ARE OUTSIDE TO OUTSIDE OF BAR. STANDARD C.R.S.I. HOOK DETAILS SHALL APPLY, EXCEPT AS NOTED.

NOTE: THE SUFFIX "E" FOR BARS SO MARKED DENOTES EPOXY COATED REINFORCEMENT.

NOTE: BAR NUMBERS ARE REPEATED ON BILL OF STEEL FOR EACH SUBSTRUCTURE. THE SUPPLIER SHALL SHIP THE BARS TO THE JOB SITE WITH THE SUBSTRUCTURE DESIGNATION INCLUDED AS PART OF THE LABEL.

SEALED BY

02/11/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BILL OF STEEL

STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-691

PIN NO.: 124873.00
DESIGN BY: B. WELLS DATE: 08/2025
DRAWN BY: B. WELLS DATE: 09/2025
SUPERVISED BY: D. MCCRARY DATE: 09/2025
CHECKED BY: H. NEAL DATE: 11/2025

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CONST. NO.: 94004-3234-04

PROJECT NO.	YEAR	SHEET NO.
	2026	B-30

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
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	- -		

PIER NO. 1 (REGULAR)

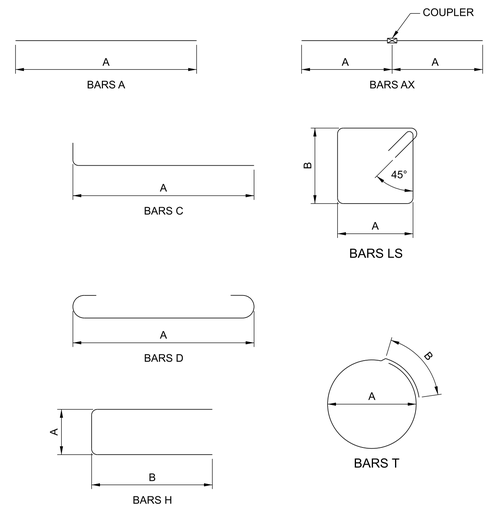
BAR	LOCATION	SIZE	NO REQ'D.	BENDING DIMENSION A	B	C	D	LENGTH
A650	CAP	6	10	28'-6''				28'-6''
A651	CAP	6	10	34'-10''				34'-10''
A950	CAP	9	12	28'-6''				28'-6''
A951	CAP	9	12	34'-10''				34'-10''
A952	COLUMN	9	60	30'-8''				30'-9''
AX650	CAP	6	10	3'-9''				7'-6''
AX950	CAP	9	12	6'-2''				12'-4''
C950	COLUMN	9	60	9'-10''				11'-5''
D550	FOOTING	5	80	9'-6''				10'-8''
D950	FOOTING	9	152	9'-6''				12'-0''
H540	RISER BLOCKS	5	20	3'-6''	1'-8''			4'-5''
H541	RISER BLOCKS	5	25	3'-2''	1'-8''			6'-6''
H650	CAP	6	56	2'-4''	5'-2''			12'-8''
LS650	CAP	6	202	2'-4''	5'-2''			16'-4''
T650	COLUMN	6	292	3'-2''				11'-4''

PIER NO. 2 (REGULAR)

BAR	LOCATION	SIZE	NO REQ'D.	BENDING DIMENSION A	B	C	D	LENGTH
A650	CAP	6	10	28'-6''				28'-6''
A651	CAP	6	10	34'-10''				34'-10''
A950	CAP	9	12	28'-6''				28'-6''
A951	CAP	9	12	34'-10''				34'-10''
A952	COLUMN	9	60	29'-5 1/8''				29'-6''
AX650	CAP	6	10	3'-9''				7'-6''
AX950	CAP	9	12	6'-2''				12'-4''
C950	COLUMN	9	60	9'-10''				11'-5''
D550	FOOTING	5	80	9'-6''				10'-8''
D950	FOOTING	9	152	9'-6''				12'-0''
H540	RISER BLOCKS	5	20	3'-6''	1'-8''			4'-5''
H541	RISER BLOCKS	5	25	3'-2''	1'-8''			6'-6''
H650	CAP	6	56	2'-4''	5'-2''			12'-8''
LS650	CAP	6	202	2'-4''	5'-2''			16'-4''
T650	COLUMN	6	276	3'-2''				11'-4''

PIER NO. 3 (REGULAR)

BAR	LOCATION	SIZE	NO REQ'D.	BENDING DIMENSION A	B	C	D	LENGTH
A650	CAP	6	10	28'-6''				28'-6''
A651	CAP	6	10	34'-10''				34'-10''
A950	CAP	9	12	28'-6''				28'-6''
A951	CAP	9	12	34'-10''				34'-10''
A952	COLUMN	9	60	27'-1 1/8''				27'-2''
AX650	CAP	6	10	3'-9''				7'-6''
AX950	CAP	9	12	6'-2''				12'-4''
C950	COLUMN	9	60	9'-10''				11'-5''
D550	FOOTING	5	80	9'-6''				10'-8''
D950	FOOTING	9	152	9'-6''				12'-0''
H540	RISER BLOCKS	5	20	3'-6''	1'-8''			4'-5''
H541	RISER BLOCKS	5	25	3'-2''	1'-8''			6'-6''
H650	CAP	6	56	2'-4''	5'-2''			12'-8''
LS650	CAP	6	202	2'-4''	5'-2''			16'-4''
T650	COLUMN	6	260	3'-2''				11'-4''



SEALED BY

BRADEN G. WELLS REGISTERED ENGINEER AGRICULTURE COMMERCE No. 127387 STATE OF TENNESSEE

02/11/2026

NOTE: BAR NUMBERS ARE REPEATED ON BILL OF STEEL FOR EACH SUBSTRUCTURE. THE SUPPLIER SHALL SHIP THE BARS TO THE JOB SITE WITH THE SUBSTRUCTURE DESIGNATION INCLUDED AS PART OF THE LABEL.

REINFORCING STEEL CODE:

TYPE:	SIZE:	SERIES:
A	5	06

NOTE: DIMENSIONS SHOWN ON THIS SHEET ARE OUTSIDE TO OUTSIDE OF BAR. STANDARD C.R.S.I. HOOK DETAILS SHALL APPLY, EXCEPT AS NOTED.

NOTE: THE SUFFIX "E" FOR BARS SO MARKED DENOTES EPOXY COATED REINFORCEMENT.

PIN NO.: 124873.00
DESIGN BY: B. WELLS DATE: 08/2025
DRAWN BY: B. WELLS DATE: 09/2025
SUPERVISED BY: D. MCCRARY DATE: 09/2025
CHECKED BY: H. NEAL DATE: 11/2025

Gresham Smith

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BILL OF STEEL

STATE ROUTE 6 OVER HARPETH RIVER
BRIDGE I.D. NO. 94SR0060013
STA. 104+77.58
LOG MILE - 12.51
WILLIAMSON COUNTY
2026

U-100-692

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THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

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

GRESHAM SMITH
222 2ND AVE SOUTH, SUITE 1400
NASHVILLE, TN 37201-2308
JULIAN BORDELON, P.E. NO. 130630

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	LIGHTING-SIGN 1
LIGHTING PLANS	L-1 – L-6

YEAR	PROJECT NO.	SHEET NO.
2026	94004-3234-04	LIGHTING-SIGN 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	NA
PIH	2025	94004-3234-04	L-1
PS&E	2026	94004-3234-04	L-1

ESTIMATED LIGHTING QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	94004-3234-04 QUANTITY	CITY OF FRANKLIN QUANTITY	TOTAL QUANTITY
	714-02.01	ENCASED CONDUIT (2" PVC, SCHEDULE 80)	L.F.	585		585
	714-03.01	DIRECT BURIAL CONDUIT (2" PVC, SCHEDULE 40)	L.F.	100		100
	714-05.04	PULL BOXES (TYPE C)	EACH	2		2
	714-06.04	CABLE (1/C #8 AWG)	L.F.	1370		1370
	714-06.07	CABLE (1/C #2 AWG)	L.F.	2055		2055
	714-06.08	CABLE (#8 COPPER SOFT DRAWN BARE) (GROUND)	L.F.	685		685
	714-06.09	CABLE (#2 COPPER SOFT DRAWN BARE) (GROUND)	L.F.	685		685
(1)	714-08.11S	LIGHT POLE MATERIAL ONLY,14' M.H. POST TOP FIXTURE	EACH		10	10
	714-08.24S	LIGHT POLE INSTALLATION , 14' M.H.POST TOP FIXTURE	EACH		10	10
	714-12.11	MODIFY EXIST CONTROL CENTER (NO. 1)	EACH	1		1
(2)	714-25.01	ELECTRICAL CONNECTION (TO CONTROL CENTER NO. 1)	LS	1		1
(4)	730-03.23	INSTALL PULL BOX (FIBER OPTIC-TYPE A)	EACH	6		6
(4)	730-03.50	FIBER OPTIC CABLE (48F)	L.F.	895		895
(3)	730-12.03	CONDUIT 3" DIAMETER (PVC SCHEDULE 40)	L.F.	210		210
(3)	730-12.24	CONDUIT 3" DIAMETER (DIRECTIONAL BORE)	L.F.	70		70
(3)(5)	730-12.38	ENCASED CONDUIT 3" DIAMETER	L.F.	315		315

FOOTNOTES:

(1) A JUNCTION BOX (6" X 6") SHALL BE PROVIDED FOR EACH LIGHT POLE FOR THE PURPOSE OF PULLING AND SPLICING WIRE. IF THE LIGHT POLE IS MANUFACTURED WITH AN ACCESS PANEL AT THE BASE, THE JUNCTION BOX WILL NOT BE REQUIRED. THE COST OF THE JUNCTION BOX SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE LIGHT POLE.

(2) THE CONTRACTOR SHALL CONTACT THE LOCAL UTILITY TO OBTAIN THE ESTIMATE FOR ANY CHARGES BY THE UTILITY FOR CHANGES TO ELECTRICAL SERVICE TO THE EXISTING CONTROL CENTER. THESE CHARGES SHALL BE INCLUDED IN THE BID FOR THIS ITEM. INCLUDES THE COST TO FURNISH AND INSTALL ALL APPURTENANCES FOR A COMPLETE INSTALLATION.

(3) THIS BID ITEM SHALL INCLUDE THE COST OF #14AWG TRACER WIRE, 2-1"INTERDUCT, 1" CORRUGATED HDPE WITH PULL STRING TO BE INSTALLED IN ALL SIGNAL CONDUIT.

(4) FIBER OPTIC CABLE TO BE SINGLE-MODE TYPE. CONTRACTOR SHALL INSTALL 50FT OF SLACK IN EACH TYPE A PULL BOX. CONTRACTOR SHALL INFORM CITY OF FRANKLIN WHEN FIBER OPTIC CABLE IS INSTALLED. CITY OF FRANKLIN TO PERFORM ALL FIBER SPLICING.

(5) SCHEDULE 40, PVC ONLY. PART OF THE FIBER OPTIC SYSTEM FOR TRAFFIC SIGNALS.

STANDARD TRAFFIC DESIGN DRAWINGS

DWG.	REV.	DESCRIPTION
10-201.00	**SIGNALS**	
T-L-1	07-15-24	STANDARD LIGHTING FOUNDATION DETAILS
10-202.00	**LIGHTING AND UTILITY POLES**	
T-FO-2		FIBER OPTIC UNDERGROUND ENTRANCE DETAILS
T-FO-4		FIBER OPTIC PULL BOX, CABINET & POLE DETAILS
T-L-1	07-15-24	STANDARD LIGHTING FOUNDATION DETAILS
T-L-3	07-15-24	STANDARD LIGHTING DETAILS PULL BOXES
T-L-4	07-15-24	STANDARD LIGHTING DETAILS CONDUIT, CABLE INSTALLATION
T-L-5		STANDARD LIGHTING DETAILS CONTROL CENTER DETAILS

GENERAL NOTES

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

2. 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 WORK THAT IS BEING PERFORMED AS PART OF THIS CONTRACT.

3. THE LIGHTING 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 OWNER SHALL MAINTAIN THE RIGHT TO STOP WORK ON THEIR FACILITIES UNTIL SUCH CONDITIONS ARE CORRECTED.

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

5. ALL MATERIALS TO BE USED BY THE LIGHTING CONTRACTOR ON THE PROJECT MUST BE NEW MATERIALS AND MUST BE APPROVED BY THE OWNER PRIOR TO PURCHASE OR USE. A PROPOSED LIST OF MATERIALS SHALL BE SUBMITTED TO THE 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 LIGHTING CONTRACTOR IS RESPONSIBLE FOR ANY LOST, STOLEN OR DAMAGED MATERIALS ON THE PROJECT.

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

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

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

9. THE LIGHTING 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 LIGHTING CONTRACTOR SHALL BE REQUIRED TO FURNISH THE EQUIPMENT NECESSARY TO COMPLETE THE WORK.

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

11. INSPECTION OF INSTALLED FACILITIES ONCE COMPLETED SHALL BE THE RESPONSIBILITY OF THE LIGHTING CONTRACTOR. ANY CORRECTIONS THAT ARE REQUIRED SHALL BE DONE DURING THE CONSTRUCTION OF THE PROJECT AND VERIFIED BY THE OWNER / ENGINEER.

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

13. THE LIGHTING 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 PRIME CONTRACTOR.

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

15. CONTRACTOR TO CONTACT THE PROJECT MANAGER THREE DAYS BEFORE THE START OF PROJECT WORK IN ORDER TO ARRANGE FOR INSPECTIONS. FAILURE TO OBTAIN INSPECTIONS MAY RESULT IN THE INSTALLATION NOT BEING ACCEPTED BY THE OWNER.

16. CONTRACTOR SHALL HAVE QUALIFIED JOURNEYMAN ELECTRICIAN ON THE JOB SITE AT ALL TIMES TO SUPERVISE THE INSTALLATION AND TESTING OF ALL LIGHTING SYSTEM COMPONENTS AND TO INSURE ADHERENCE TO ALL STANDARDS AND CODES.

17. CONTRACTOR TO BE RESPONSIBLE FOR INSTALLATION DEFECTS FOR A PERIOD OF ONE YEAR AFTER THE CITY ACCEPTS THE INSTALLATION.

18. ALL WIRE IN CONDUIT SHALL BE RATED FOR DRY AND WET LOCATIONS AND SHALL BE STRANDED COPPER WITH XHHW TYPE XLPE INSULATION. WIRE SIZE 14-10 AWG SHALL HAVE A MINIMUM INSTALLATION THICKNESS OF 30 MILS, WIRE SIZE 8-2 AWG SHALL HAVE A MINIMUM INSTALLATION THICKNESS OF 45 MILS, AND WIRE SIZE 1/0-4/0 SHALL HAVE A MINIMUM INSTALLATION THICKNESS OF 55 MILS.

19. OBTAIN FINAL INSPECTION AND WRITTEN LETTER OF ACCEPTANCE FROM THE OWNER BEFORE FINAL PROJECT IS CLOSED OUT.

20. IN-LINE FUSES ARE REQUIRED IN EACH AND EVERY HOT LEG FOR EACH LIGHT AND RECEPTACLE.

21. FACTORY BENDS ARE MANDATORY. HEAT BENDING OF CONDUIT IS NOT ALLOWED. ALL CONDUIT INSTALLATIONS ARE SUBJECT TO MANDREL TESTING. CONTRACTOR TO PERFORM TESTING AT NO ADDITIONAL EXPENSE TO THE OWNER.

22. ALL CONDUITS AND DUCT BANKS CROSSING UNDER ROADWAYS SHALL BE CONCRETE ENCASED FROM A MINIMUM OF 12" OUTSIDE CURB TO A MINIMUM OF 12" OUTSIDE CURB, OR SHALL BE BORED USING HDPE CONDUIT.

23. LIGHTING ASSEMBLIES SHALL INCLUDE THE FOLLOWING:
    A. POLE GROUND LUG SHALL BE TINNED OR RATED FOR COPPER TO ALUMINUM CONNECTIONS.
    B. TAMPER RESISTANT STAINLESS STEEL SCREWS SIMILAR TO FASTENAL X204C0040SSX600, SIZED AS REQUIRED.
    C. WIRING INSIDE POLES SHALL BE THW TYPE WITH 75 DEG C RATING.
    D. SINGLE 8 FOOT COPPERCLAD GROUND ROD

24. LIGHTING INSTALLATION SHALL COMPLY WITH ALL APPLICABLE TDOT STANDARD LIGHTING DETAILS.

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DEPARTMENT OF TRANSPORTATION

LIGHTING QUANTITIES AND GENERAL NOTES

SCALE: N.T.S.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	NA
PIH	2025	94004-3234-04	L-2
PS&E	2026	94004-3234-04	L-2

A: FRANKLIN STANDARD ACORN POST TOP ON 9FT WADSWORTH POLE
BASELINE: S.R.6

NOTES:

1. EQUIVALENT WATTAGE GIVEN ON LED FIXTURES.

LIGHT POLE SCHEDULE

LP#	SHEET NO.	LAMP WATTAGE (LED)	VOLTAGE	LUMINAIRE TYPE	NO OF LAMPS	CONTROL CENTER NO.	CIRCUIT NO.	MOUNTING HEIGHT	STATION	OFFSET	SIDE	NORTHING	EASTING
1	L-6	56	240	A	1	CC1	b	14	103+39.00	30.33	LT	581335.4515	1712252.1223
2	L-6	56	240	A	1	CC1	b	14	104+12.33	30.33	LT	581405.4572	1712273.9603
3	L-6	56	240	A	1	CC1	b	14	104+84.83	30.33	LT	581474.6679	1712295.5503
4	L-6	56	240	A	1	CC1	b	14	105+57.33	30.33	LT	581543.8786	1712317.1403
5	L-6	56	240	A	1	CC1	b	14	106+29.33	30.77	LT	581612.9302	1712338.6807
6	L-6	56	240	A	1	CC1	a	14	103+39.00	30.33	RT	581317.3854	1712310.0365
7	L-6	56	240	A	1	CC1	a	14	104+12.33	30.33	RT	581387.3911	1712331.8745
8	L-6	56	240	A	1	CC1	a	14	104+84.83	30.33	RT	581456.6018	1712353.4645
9	L-6	56	240	A	1	CC1	a	14	105+57.33	30.33	RT	581525.8125	1712375.0545
10	L-6	56	240	A	1	CC1	a	14	106+30.18	30.33	RT	581594.8963	1712397.0647

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2/11/2026

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LIGHTING DETAILS (POLE DATA)

SCALE: N.T.S.

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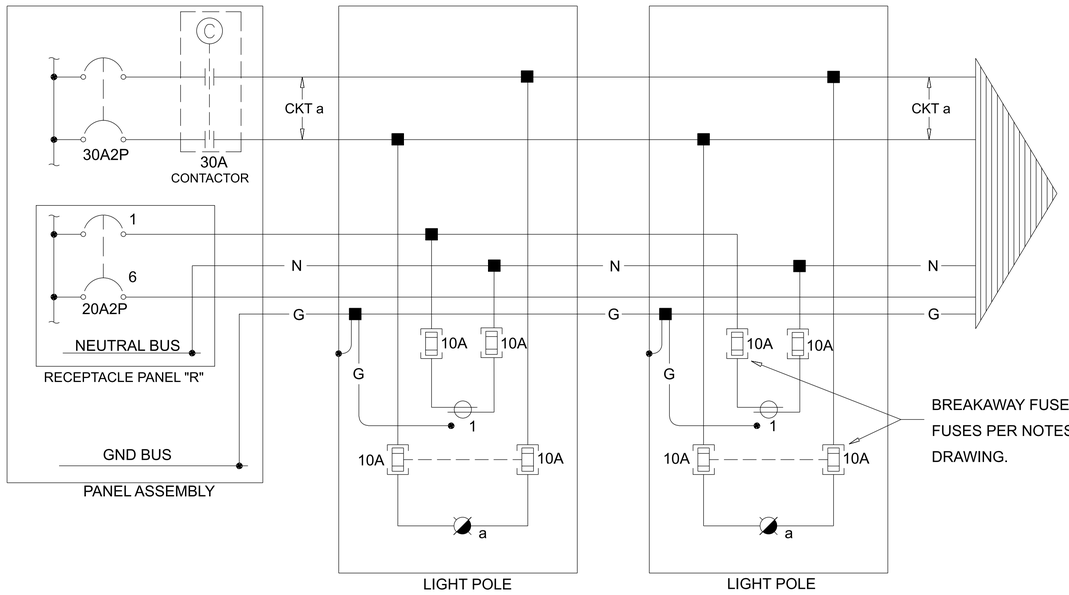
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	NA
PIH	2025	94004-3234-04	L-3
PS&E	2026	94004-3234-04	L-3

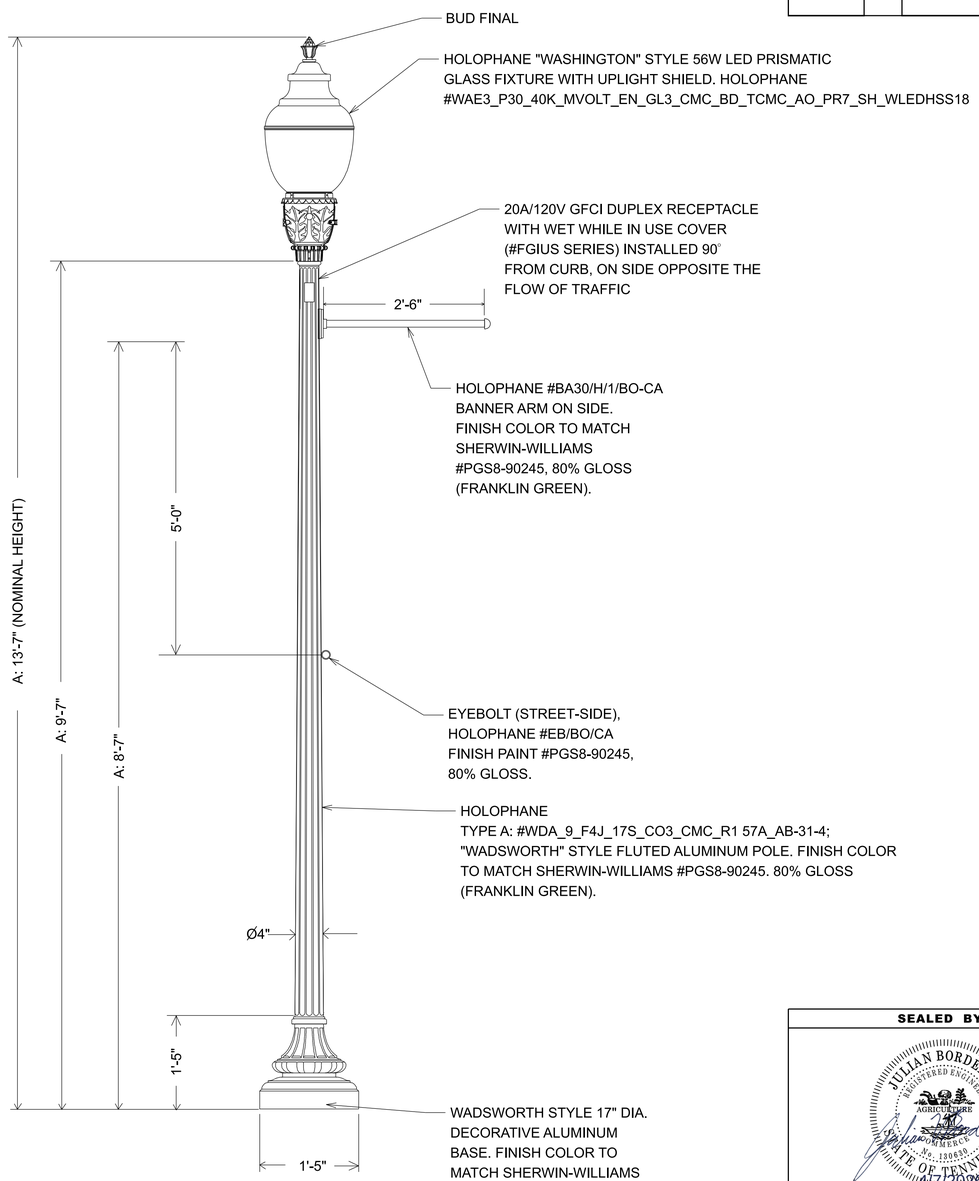
NOTES:

1. TAP CONDUCTORS SHALL BE #10 AWG STRANDED CONDUCTORS.
2. UTILIZE WATERTIGHT, SUBMERSIBLE, PREMOLDED DISCONNECTABLE CONNECTORS AT EACH GRADE LEVEL JUNCTION BOX CONNECTION.
3. INSTALL BREAKAWAY FITTINGS AND FUSING FOR THE LIGHTING (2-POLE) AND THE RECEPTACLE (1-POLE) IN POLE BASE. REFER TO SPECIFICATIONS.
4. INSTALL 10A TYPE KTK-R FUSES IN FUSE HOLDERS.
5. DETAIL SHOWN IS FOR AN IN-LINE POLE, CONNECTORS TO BE ADJUSTED FOR END-OF-LINE POLE LOCATION.



TYPICAL LIGHT POLE ASSEMBLY WIRING DIAGRAM (SYMBOL ⊘)

NOT TO SCALE



STREET LIGHT POLE (TYPE A)

NOT TO SCALE

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CONTROL CENTER DETAILS

SCALE: N.T.S.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	NA
PIH	2025	94004-3234-04	L-4
PS&E	2026	94004-3234-04	L-4

FRANKLIN 1

PANEL: "L" — 200A, 120/240V, 1ø, 3W

200A2P MAIN BREAKER			MAIN LUG			REMARK: GROUND BUS				
KVA	USE	POLES	AMP	CKT		CKT	AMP	POLES	USE	KVA
1.09	**LIGHTING CIRCUIT "a"**	**2**	**30**	**1**		**2**	**30**	**2**	**LIGHTING CIRCUIT "b"**	**1.05**
				3		**4**				
	SPARE	2	30	5		**6**	**100**	**2**	**RECEPTACLE PANEL "R"**	**10.05**
				7		**8**				
0.10	TIMER, PHOTOCELL, CONTACTORS	1	20	9		10	20	1	INTERNAL LIGHT FIXTURE	0.10
0.50	MAINTENANCE RECEPTACLE	1	20	11		12	20	1	SPARE	
0.50	250W SPACE HEATER (x2)	2	20	13		14	20	1	SPARE	
				15		16	20	1	SPARE	
	SPARE	1	20	17		18	20	1	SPARE	
13.39 KVA CONNECTED										

PANEL: "R" — 100A, 120/240V, 1ø, 3W

			MAIN LUG		TIMER CONTROL	REMARK: GROUND BUS				
KVA	USE	POLES	AMP	CKT		CKT	AMP	POLES	USE	KVA
1.00	**POLE RECEPTACLE**	**2**	**20**	**1**		2	20	2	POLE RECEPTACLE	1.05
1.05	POLE RECEPTACLE			**3**		4			POLE RECEPTACLE	1.05
1.05	POLE RECEPTACLE	1	20	5		**6**	**20**	**2**	**POLE RECEPTACLE**	**1.00**
1.05	POLE RECEPTACLE	2	20	7		**8**			POLE RECEPTACLE	1.05
0.70	POLE RECEPTACLE			9		10	20	1	POLE RECEPTACLE	1.05
	SPARE	1	20	11		12	20	1	SPARE	
	SPARE	1	20	13		14	20	1	SPARE	
	SPARE	1	20	15		16	20	1	SPARE	
	SPARE	1	20	17		18	20	1	SPARE	
	SPARE	1	20	19		20	20	1	SPARE	
10.05 KVA CONNECTED										

* KVA LOADS BASED ON 180VA MAX PER POLE RECEPTACLE.

GRAYED OUT CELLS ARE BASED ON ASBUILTS FROM THE EXISTING ADJACENT SR6 PROJECT.

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4/7/2026

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CONTROL CENTER DETAILS

SCALE: N.T.S.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	NA
PIH	2025	94004-3234-04	L-5
PS&E	2026	94004-3234-04	L-5

LIGHTING WIRING AND CONDUIT SCHEDULE

	RUN NO.	POLE NO. FROM	POLE NO. TO	CONDUIT LENGTH (FT.) OPEN TRENCH (FT.) (SCH. 40 PVC)	CONDUIT LENGTH (FT.) ENCASED (FT.) (SCH. 80 PVC)	CONDUIT LENGTH (FT.) TOTAL LENGTH (FT.)	NO. & SIZE OF WIRE
	CC1-1/a	EXIST.	LP10	47		47	(2) 1C #8AWG (1)#8 AWG COPPER (3) 1C #2 AWG (1)#2AWG COPPER
*		LP10	LP9		73	73	
*		LP9	LP8		72	72	
*		LP8	LP7		73	73	
*		LP7	LP6		73	73	
	CC1-6/b	EXIST.	LP5	48		48	(2) 1C #8AWG (1)#8 AWG COPPER (3) 1C #2 AWG (1)#2AWG COPPER
*		LP5	LP4		72	72	
*		LP4	LP3		73	73	
*		LP3	LP2		72	72	
*		LP2	LP1		73	73	

*SEE BRIDGE DETAIL FOR THE CONDUIT INSTALLED ON BRIDGE ENCASED IN SIDEWALK

#8 AWG IS FOR LUMINAIRES AND #2 AWG IS FOR RECEPTACLES

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2/11/2026

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WIRING AND CONDUIT DETAILS

SCALE: N.T.S.

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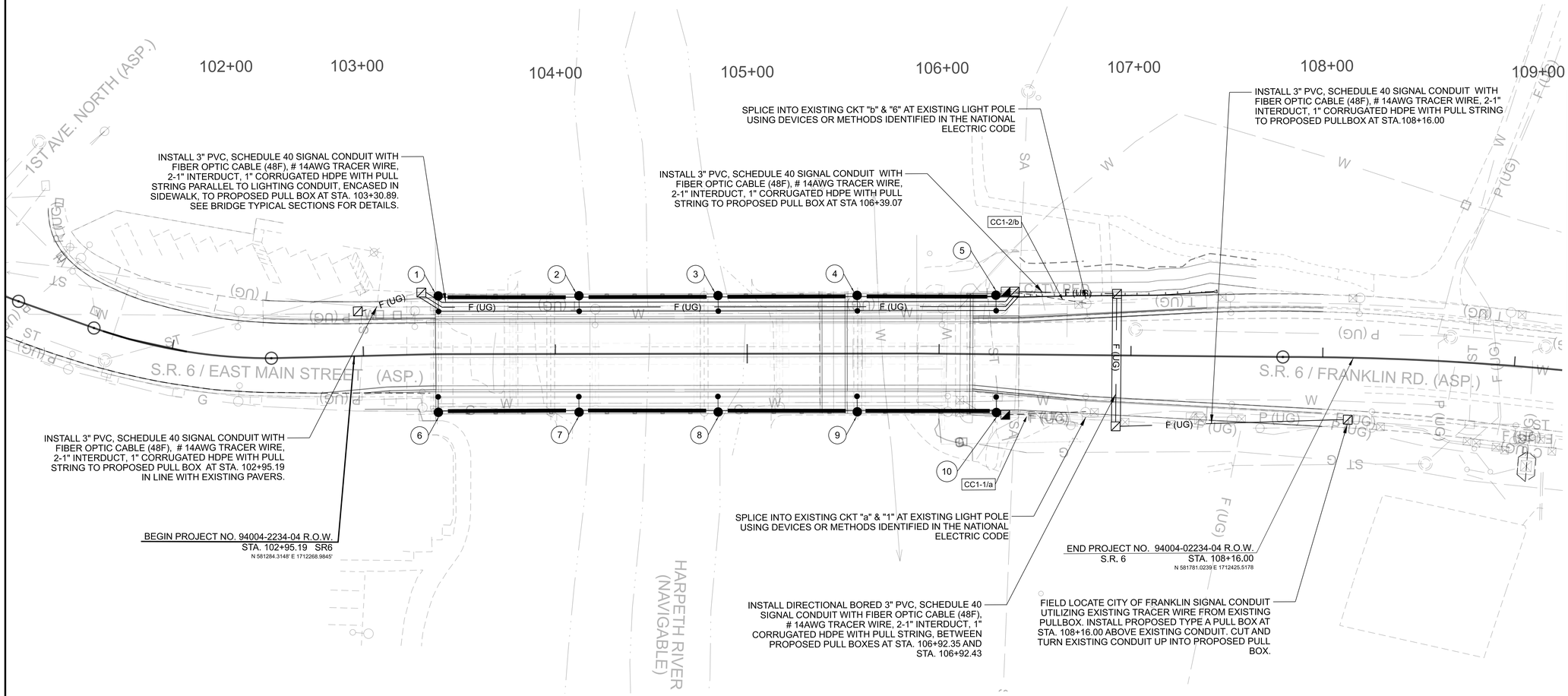
AGI32 STATISTICAL CALCULATION SUMMARY							
LOCATION	LUMINAIRE TYPE	QUANTITY	ILLUMINANCE (FC)				
			AVERAGE	MAXIMUM	MINIMUM	AVERAGE/ MINIMUM	MAXIMUM/ MINIMUM
SR6_EAST_SIDEWALK_HORIZONTAL	-	-	1.18	1.97	0.39	3.03	5.05
SR6_EAST_SIDEWALK_VERTICAL_NB	-	-	1.53	5.32	0.23	6.65	23.13
SR6_EAST_SIDEWALK_VERTICAL_SB	-	-	1.44	5.15	0.22	6.55	23.41
SR6_ROADWAY	WASHINGTON W/ 180° SHIELD	10	1.31	3.44	0.69	1.90	4.99
SR6_WEST_SIDEWALK_HORIZONTAL	-	-	1.17	1.98	0.40	2.93	4.95
SR6_WEST_SIDEWALK_VERTICAL_NB	-	-	1.52	5.30	0.25	6.08	21.20
SR6_WEST_SIDEWALK_VERTICAL_SB	-	-	1.46	5.14	0.17	8.59	30.24

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	NA
PIH	2025	94004-3234-04	L-6
PS&E	2026	94004-3234-04	L-6



LEGEND

- F(UG) — BORED/ENCASED 3" SIGNAL CONDUIT W/ INTERDUCT, PULL STRING, AND TRACER WIRE
- F(UG) — TRENCHED 3" SIGNAL CONDUIT W/ INTERDUCT, PULL STRING, AND TRACER WIRE
- ENCASED LIGHTING CONDUIT
- TRENCHED LIGHTING CONDUIT
- SINGLE LIGHT FIXTURE AND POLE
- (1) LP#
- LIGHTING PULL BOX (TYPE B)
- SIGNAL FIBER PULL BOX (TYPE A)
- EXISTING LIGHTING CONTROL CENTER

0 30 60 90

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No. 130699
STATE OF TENNESSEE
2/11/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLANS STA. 101+25 TO STA. 109+25

SCALE: 1"=30'

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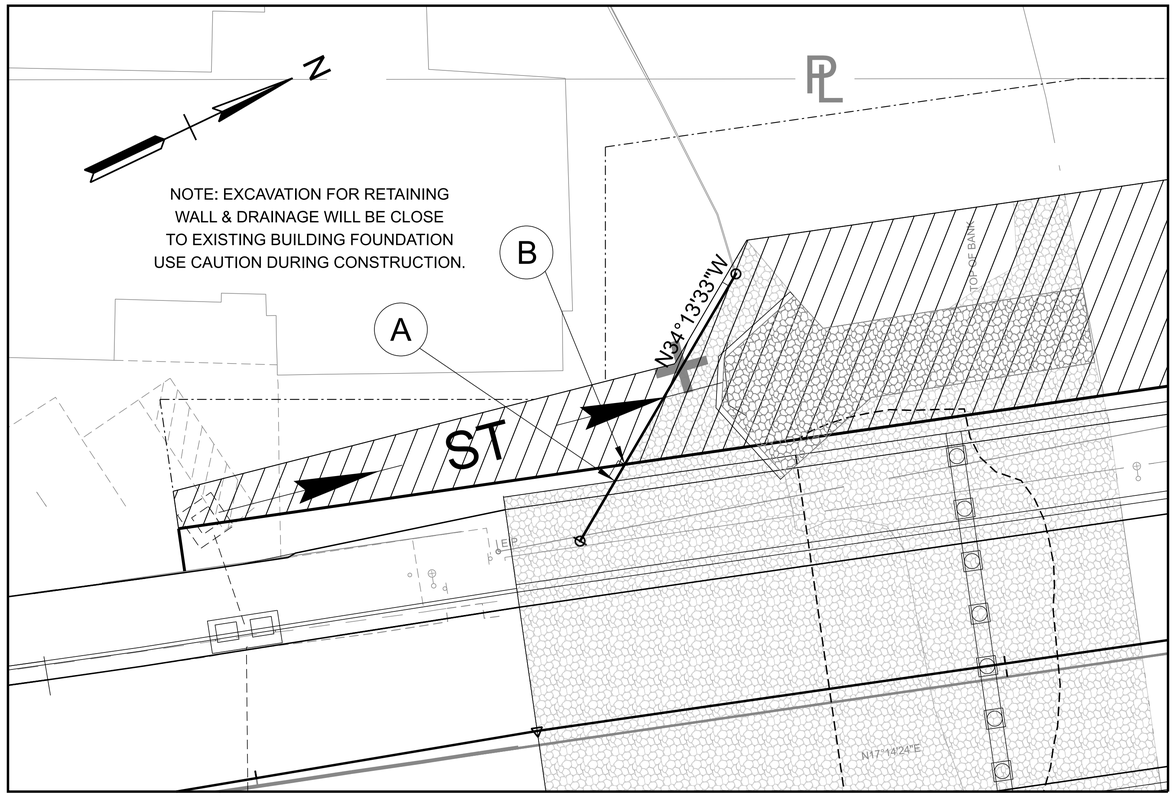
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	94004-2234-04	R1
PIH	2025	94004-3234-04	R1
PS&E	2026	94004-3234-04	R1

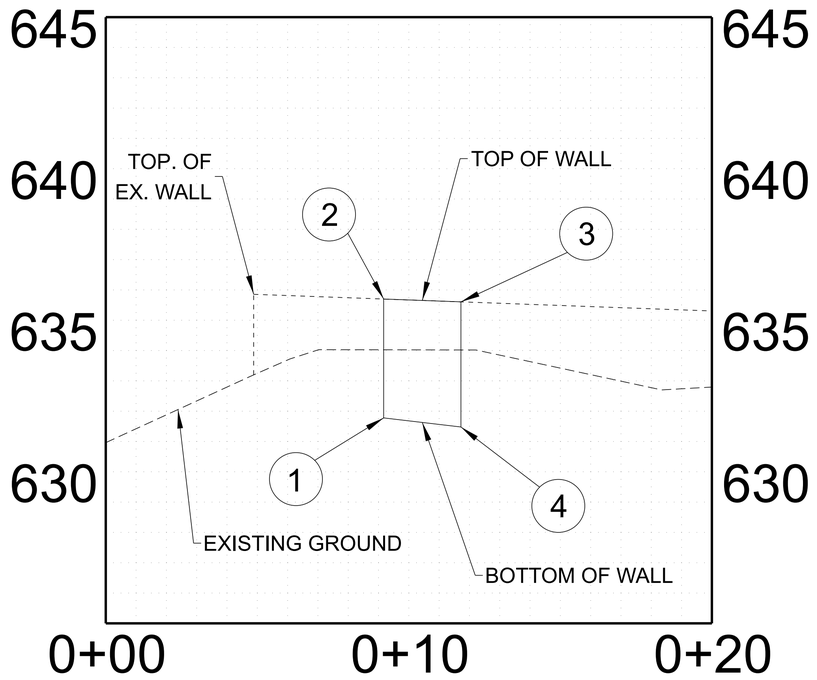
REV. 03/12/25 REVISED PROPERTY OWNER INFORMATION FOR TRACT 4.

REV. 04/07/25 REVISED PROPERTY OWNER INFORMATION FOR TRACT 4.

REV. 07/29/25 REVISED RIGHT OF WAY AQUISITION FOR TRACT 4. REDUCED RETAINING WALL AND REMOVED PROP. CONCRETE FLATWORK.



PLAN VIEW OF RETAINING WALL NO. 1
SCALE: 1" = 10'



PROFILE VIEW OF RETAINING WALL NO. 1
SCALE: 1" = 2'-6" H ; 1" = 2'-6"' V

GENERAL NOTES

(1) ALL EXPOSED SURFACES OF THE RETAINING WALL MEASURED FROM GROUNDLINE TO TOP OF WALL ARE TO BE A SMOOTH FINISH AND MATCH EXISTING CONDITIONS. COST TO BE INCLUDED UNDER SQUARE FOOT COST OF WALL.

(2) USE EPOXY COATED REINFORCING STEEL IN TRAFFIC FACE OF WALL AND FOOTING DOWELS PROJECTING INTO THE STEM WALL AT THE BACK FACE. PRICE TO BE INCLUDED IN THE UNIT PRICE OF ITEM NO. 604-07.01.

(3) CONTRACTOR TO VERIFY WALL LOCATION COORDINATES PRIOR TO CONSTRUCTION.

(4) CONTRACTOR RESPONSIBLE FOR CHANGES TO DRAINAGE DESIGN DUE TO WALL TYPE.

(5) COST OF BACKFILL & DRAINAGE SYSTEM PER STD-10-1 SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM NO 604-07.01.

(6) ALL EXPOSED SURFACES OF RETAINING WALL SHALL MATCH EXISTING CONDITIONS AND RECEIVE AN ANTIGRAFFITI COATING OF THE SAME SPECIFICATIONS AS THE TEX-COTE SACRIFICIAL GRAFFITI GARD SYSTEM, OR APPROVED EQUAL, COST TO BE INCLUDED IN THE UNIT PRICE OF ITEM NO. 604-07.01.

(7) RETAINING WALL SHALL BE CONSTRUCTED AND PAID FOR PER SPECIAL PROVISION SP624.

NOTE: EXISTING RETAINING WALL IS TO BE REMOVED TO INSTALL 48" STORM PIPE. THE RETAINING WALL WILL ONLY BE REPLACED WITHIN TDOT PROP. R.O.W.

ESTIMATED QUANTITIES FOR RETAINING WALL

ITEM NO.	604-07.01	
DESCRIPTION	RETAINING WALL (WALL NO. 1) S.F.	
QUANTITY	10	

NOTE: THE RETAINING WALL PAY QUANTITY IS BASED ON THE SURFACE AREA BETWEEN THE TOP OF WALL AND 2' BELOW THE APPROXIMATE EXISTING/PROPOSED GROUND LINE. THE ESTIMATED QUANTITY FOR THIS CONCEPTUAL DRAWING; 10 S.F.

PROPOSED RET. WALL 1 ALIGNMENT

WALL STA.	CODE	LOCATION	ROAD STA.	N	E	ROAD OFFSET	FROM - TO	BEARING	LENGTH
0+09.17	A	OFFSITE	103+52.45	1712255.3313	581348.5483	31.17' LT.	A - B	N 34°13'33" W	2.55'
0+11.72	B	OFFSITE	103+54.04	1712253.8950	581350.6598	33.17' LT.			

PROPOSED RET. WALL 1 LOCATION STAKE-OUT POINTS

CODE	LOCATION	RET. WALL BASE LINE STATION	S.R. 6 BASE LINE STATION	S.R. 6 BASE LINE OFFSET	N	E	TOP RET. WALL ELEVATION	BOTTOM RET. WALL ELEVATION
1	OFFSITE	0+09.17	103+52.45	31.17' LT.	1712255.3313	581348.5483		632.78
2	OFFSITE	0+09.17	103+52.45	31.17' LT.	1712255.3313	581348.5483	636.70	
3	OFFSITE	0+11.72	103+54.04	33.17' LT.	1712253.8950	581350.6598	636.61	
4	OFFSITE	0+11.72	103+54.04	33.17' LT.	1712253.8950	581350.6598		632.48

SEALED BY

AUSTIN BIGGS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 126995
STATE OF TENNESSEE

3/23/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7 .

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO.1 DETAILS

STA. 0+00.00 TO STA. 0+40.83
SCALE: 1" = 50'

3/23/2026 8:03:38 AM
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TENNESSEE D.O.T. | DESIGN DIVISION | FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	94004-3234-04	
PS&E	2026	94004-3234-04	S-1

SWPPP INDEX OF SHEETS

DESCRIPTION	SHT.
1. SWPPP REQUIREMENTS (5.0.)	1
2. SITE DESCRIPTION (5.5.1.)	1
3. ORDER OF CONSTRUCTION ACTIVITIES (5.5.1.a)	1
4. STREAM, OUTFALL, WETLAND, TMDL AND ECOLOGY INFORMATION	1-2
5. EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES (5.5.3.)	2-3
6. FLOCCULANTS (3.5.3.1.b)	3
7. UTILITY RELOCATION	3-4
8. MAINTENANCE AND INSPECTION	4
9. SITE ASSESSMENTS (5.5.3.8.)	4
10. STORMWATER MANAGEMENT (5.5.3.11.h)	4-5
11. NON-STORMWATER DISCHARGES (5.5.3.12.)	5
12. SPILL PREVENTION, MANAGEMENT AND NOTIFICATION (5.5.3.7.c, 6.1)	5-6
13. RECORD-KEEPING	6-7
14. SITE WIDE/PRIMARY PERMITTEE CERTIFICATION (8.7.5.)	7
15. SECONDARY PERMITTEE (OPERATOR) CERTIFICATION (8.7.6.)	7
16. ENVIRONMENTAL PERMITS (1.5.2.)	7
17. OUTFALL TABLE (5.5.1.c, 6.4.1.e, 6.4.1.f)	8

NOTE: CITATIONS IN PARENTHESIS INDICATE SECTIONS OF THE CURRENT CGP.

1. SWPPP REQUIREMENTS (5.0.)

1.1. HAS THE SWPPP TEMPLATE BEEN PREPARED BY AN INDIVIDUAL THAT HAS THE FOLLOWING LICENSING AND/OR CERTIFICATIONS (5.2)?

☒ YES (CHECK ALL THAT APPLY BELOW) OR ☐ NO

- ☐ CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC)
- ☐ A TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT
- ☒ HAS SUCCESSFULLY COMPLETED TDEC LEVEL II COURSE

1.2. DO THE EPSC PLANS INVOLVE STRUCTURAL DESIGN, HYDRAULIC, HYDROLOGIC OR OTHER ENGINEERING CALCULATIONS FOR EPSC STRUCTURAL MEASURES (E.G. SEDIMENT BASINS) (5.2.)? YES ☐ NO ☒

IF YES, HAVE THE EPSC PLANS BEEN PREPARED, STAMPED AND CERTIFIED BY A TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT? ☐ YES ☐ NO

1.3. DO THE PROJECT STORMWATER OUTFALLS DISCHARGE INTO THE FOLLOWING (6.4.1.)? ☒ YES (CHECK ALL THAT APPLY BELOW) ☐ NO

- ☒ WATERS WITH UNAVAILABLE PARAMETERS (303d FOR SILTATION)
- ☐ EXCEPTIONAL TENNESSEE WATERS (ETW)

2. SITE DESCRIPTION (5.5.1.)

2.1. PROJECT LIMITS (5.5.1.f): REFER TO TITLE SHEET

2.2. TOTAL PROJECT AREA (5.5.1.b): 5.060 ACRES

2.3. TOTAL AREA TO BE DISTURBED (5.5.1.b): 2.530 ACRES

2.4. PROJECT DESCRIPTION (5.5.1.a):

TITLE: BRIDGE REPLACEMENT OVER HARPETH RIVER, SR-6 L.M. 12.51
COUNTY: WILLIAMSON
PIN: 124873.00

2.5. SITE MAP(S) (3.2.2.): REFER TO TITLE SHEET

2.6. DESCRIPTION OF EXISTING SITE TOPOGRAPHY (5.5.1.c): REFER TO EXISTING CONTOURS SHEET(S) 8, DRAINAGE MAP SHEET 6, USGS QUAD MAP, AND THE OUTFALL TABLE IN SECTION 4.2.

2.7. MAJOR SOIL DISTURBING ACTIVITIES (5.5.1.a) (CHECK ALL THAT APPLY):

- ☒ CLEARING AND GRUBBING
- ☒ EXCAVATION
- ☒ CUTTING AND FILLING
- ☒ FINAL GRADING AND SHAPING
- ☒ UTILITIES
- ☐ OTHER (DESCRIBE): _____

2.8. NO MORE THAN 50 ACRES OF ACTIVE SOIL DISTURBANCE IS ALLOWED AT ANY TIME DURING THE CONSTRUCTION OF THE PROJECT.

2.9. ARE THERE ANY SEASONAL LIMITATIONS ON WORK? ☐ YES ☒ NO

IF YES, LIST THE CORRESPONDING PLAN SHEET: N/A

2.10. WAS ROW FINALIZED PRIOR TO FEBRUARY 1, 2010 (4.1.2.2)?

☐ YES _____ (DATE) ☒ NO

2.11. SOIL PROPERTIES (5.5.1.d, 5.5.3.3.d, 5.5.3.6.b).

SOIL PROPERTIES FOR THE PRIMARY SOILS ARE LISTED IN THE TABLE BELOW.

SOIL PROPERTIES			
PRIMARY SOIL NAME	HSG	% OF SITE	ERODIBILITY (k value)
ARMOUR SILT LOAM, 2-5% SLOPES (ArB)	B	5.2	0.43
ARMOUR SILT LOAM, 2-5% SLOPES, ERODED (ArB2)	B	3.3	0.37
ARMOUR SILTY CLAY LOAM, 5-12% SLOPES, SEVERELY ERODED (AtC3)	B	3.2	0.32
HUNTINGTON SILT LOAM, PHOSPHATIC (Hu)	B	82.4	0.37
WATER (W)	N/A	5.9	N/A

2.12. IS ACID PRODUCING ROCK (APR) (i.e. PYRITE) LOCATED WITHIN THE PROJECT LIMITS? ☐ YES ☒ NO

2.12.1. IF YES TO SECTION 2.12, HAVE APR LOCATIONS BEEN IDENTIFIED WITHIN THE CONSTRUCTION PLANS AND/OR THE GEOTECHNICAL REPORT? ☐ YES ☐ NO; AND

2.12.2. IF YES TO SECTION 2.12.1, HAS A SPECIAL HANDLING PLAN AND/OR ADAPTIVE MANAGEMENT PLAN (AMP) BEEN PREPARED FOR THE PROJECT? ☐YES ☐ NO ☐ N/A (TDOT SP107L WILL BE APPLIED.)

2.13. PROJECT RUNOFF COEFFICIENTS AND AREA PERCENTAGES (5.5.3.6.a).

RUNOFF COEFFICIENTS FOR EXISTING CONDITIONS				
AREA TYPE	AREA(AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
PAVEMENT	0.81	16.1		0.9
GRAVEL	0.05	1.0		0.5
OPEN GRASSED AREAS	0.25	4.9		0.4
FORESTED AREAS	3.93	78.0		0.3
WATER	0.02	-		-
WEIGHTED CURVE NUMBER OR C-FACTOR =				0.40

RUNOFF COEFFICIENTS FOR POST-CONSTRUCTION CONDITIONS				
AREA TYPE	AREA(AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
PAVEMENT	0.81	16.1		0.9
RIPRAP	0.08	1.6		0.7
GRAVEL	0.05	1.0		0.5
OPEN GRASSED AREAS	0.25	4.9		0.4
FORESTED AREAS	3.85	76.4		0.3
WATER	0.02	-		-
WEIGHTED CURVE NUMBER OR C-FACTOR =				0.41

3. ORDER OF CONSTRUCTION ACTIVITIES (5.5.1.a)

CONSTRUCTION SHALL BE SEQUENCED AND STAGED TO: MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED SOIL AREAS, PRESERVE TOPSOIL, AND MINIMIZE SOIL COMPACTION. NO WORK SHALL BE STARTED UNTIL THE CONTRACTOR'S PLAN FOR THE STAGING OF THEIR OPERATIONS, INCLUDING THE PLAN FOR STAGING OF TEMPORARY AND PERMANENT EPSC MEASURES, HAS BEEN ACCEPTED BY THE ENGINEER. THE CONTRACTOR'S EPSC PLAN SHALL INCORPORATE AND SUPPLEMENT, AS ACCEPTABLE, THE ORDER OF CONSTRUCTION ACTIVITIES AND THE BASIC EPSC DEVICES DEPICTED ON THE EPSC PLAN CONTAINED WITHIN THE APPROVED SWPPP.

3.1. SPECIAL SEQUENCING REQUIREMENTS (SEE SHEETS N/A)

3.2. INSTALL STABILIZED CONSTRUCTION EXITS.

3.3. INSTALL PERIMETER PROTECTION WHERE RUNOFF SHEET FLOWS FROM THE SITE.

3.4. INSTALL INITIAL EPSC MEASURES BEFORE CLEARING, GRUBBING, EXCAVATION, GRADING, CULVERT OR BRIDGE CONSTRUCTION, CUTTING, FILLING, OR ANY OTHER EARTHWORK OCCURS, EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES.

3.5. PERFORM CLEARING AND GRUBBING (NOT MORE THAN TWO WEEKS PRIOR TO GRADING OR EARTH-MOVING. REFER TO THE STABILIZATION PRACTICES BELOW.).

3.6. REMOVE AND STORE TOPSOIL.

3.7. STABILIZE DISTURBED AREAS WITHIN 2 WEEKS OF COMPLETING ANY STAGE AND/OR PHASE OF ACTIVITY (STEEP SLOPES SHALL BE STABILIZED WITHIN 1 WEEK AFTER CONSTRUCTION ACTIVITY HAS TEMPORARY OR PERMANENTLY CEASED).

3.8. INSTALL UTILITIES, STORM SEWERS, CULVERTS AND BRIDGE STRUCTURES.

3.9. INSTALL INLET AND CULVERT PROTECTION ONCE STRUCTURES ARE IN PLACE AND CAPABLE OF INTERCEPTING FLOW.

3.10. PERFORM FINAL GRADING AND INSTALL BASE STONE.

3.11. COMPLETE FINAL PAVING AND SEALING OF CONCRETE.

3.12. INSTALL TRAFFIC CONTROL AND PROTECTION DEVICES.

3.13. COMPLETE PERMANENT STABILIZATION (TOPSOIL, SEEDING, MULCH, EROSION CONTROL BLANKET, SOD, ETC.)

3.14. REMOVE TEMPORARY EROSION CONTROLS AND ACCUMULATED SEDIMENT FROM AREAS THAT HAVE ESTABLISHED AT LEAST 70 PERCENT UNIFORM PERMANENT VEGETATIVE COVER.

3.15. RE-STABILIZE AREAS DISTURBED BY REMOVAL ACTIVITIES.

4. STREAM, OUTFALL, WETLAND, TMDL AND ECOLOGY INFORMATION

4.1. STREAM INFORMATION (5.5.1.h, 5.5.1.i)

4.1.1. WILL CONSTRUCTION AND/OR EROSION PREVENTION AND SEDIMENT CONTROLS IMPACT ANY STREAMS WITHIN THE PROJECT LIMITS? ☒ YES ☐ NO

IF YES, THE IMPACT(S) HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND HAVE BEEN INCLUDED IN THE WATER QUALITY PERMITS.

4.1.2. HAVE ANY OF THE RECEIVING STATE WATERS LESS THAN OR EQUAL TO 1 FLOW MILE DOWN GRADIENT OF THE PROJECT LIMITS BEEN CLASSIFIED BY TDEC AS FOLLOWS (CHECK ALL THAT APPLY):

- ☒ 303d WITH UNAVAILABLE PARAMETERS FOR SILTATION
- ☐ EXCEPTIONAL TENNESSEE WATERS (ETW)

4.1.3. RECEIVING WATERS OF THE STATE (5.5.1.h, 5.5.1.j, 5.5.1.k).

RECEIVING WATERS OF THE STATE INFORMATION					
TDOT STATE WATER LABEL FROM EBR	NAME OF RECEIVING STATE WATER	303d WITH UNAVAILABLE PARAMETERS FOR SILTATION (YES OR NO)	ETW (YES OR NO)	LOCATED WITHIN PROJECT LIMITS (YES OR NO)	LOCATED WITHIN ≤ 1 FLOW MILE DOWN GRADIENT OF PROJECT LIMITS (YES OR NO)
STR-1	HARPETH RIVER	YES	NO	YES	YES

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	94004-3234-04	
PS&E	2026	94004-3234-04	S-2

4.1.4. RECEIVING WATERS OF THE US (NON STATE WATERS) (4.1.2). LIST ANY FEATURE THAT IS IDENTIFIED AS A WET WEATHER CONVEYANCE (TDEC) AND IDENTIFIED AS WATERS OF THE US BY THE ARMY CORPS OF ENGINEERS.

WET WEATHER CONVEYANCES THAT ARE WATERS OF THE US		
TDOT STATE WATER LABEL FROM EBR	LOCATED WITHIN PROJECT LIMITS (YES OR NO)	LOCATED WITHIN ≤ 1 FLOW MILE DOWN GRADIENT OF PROJECT LIMITS (YES OR NO)

4.1.5. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES REQUIRED FOR WATERS OF THE STATE? (5.5.1.l, 6.4.2.)

☐ YES ☒ NO

BUFFER ZONE REQUIREMENTS ARE NOT REQUIRED FOR PRE-APPROVED SITES (4.1.2.2.)

IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) N/A

IF YES, CHECK THE APPROPRIATE BOX BELOW FOR SIZE OF BUFFER.

☐ 60-FEET FOR WATERS WITH UNAVAILABLE PARAMETERS AND EXCEPTIONAL TENNESSEE WATERS (ETW) (AVERAGE WIDTH PER SIDE WITH A MINIMUM OF 30-FEET).

A 60 FOOT NATURAL WATER QUALITY RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STATE STREAM WITH THIS DESIGNATION SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE DURING CONSTRUCTION ACTIVITIES AT THE SITE. THE 60 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 30 FEET AT ANY MEASURED LOCATION. IF THE CONSTRUCTION SITE ENCOMPASSES BOTH SIDES OF A STREAM, BUFFER AVERAGING CAN BE APPLIED TO BOTH SIDES, BUT MUST BE APPLIED INDEPENDENTLY.

☐ 30-FEET FOR ALL OTHER STREAMS (AVERAGE WIDTH PER SIDE WITH A MINIMUM OF 15-FEET).

A 30 FOOT NATURAL WATER QUALITY RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STATE STREAM SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE DURING CONSTRUCTION ACTIVITIES AT THE SITE. THE 30 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 15 FEET AT ANY MEASURED LOCATION. IF THE CONSTRUCTION SITE ENCOMPASSES BOTH SIDES OF A STREAM, BUFFER AVERAGING CAN BE APPLIED TO BOTH SIDES, BUT MUST BE APPLIED INDEPENDENTLY.

☐ 15-FEET FOR ANY WET WEATHER CONVEYANCES IDENTIFIED AS WATERS OF THE US BY THE US ARMY CORPS OF ENGINEERS.

4.1.6. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES NOT REQUIRED FOR STATE WATERS DUE TO A TDEC ARAP? (1.5.2.)

☒ YES ☐ NO

4.1.7. ARE THERE WATER QUALITY RIPARIAN BUFFER ZONE EXEMPTIONS? (4.1.2.1.) ☐ YES ☒ NO

IF YES, EXISTING CONDITIONS DESCRIPTION: N/A

4.1.8. EVERY ATTEMPT SHOULD BE MADE FOR CONSTRUCTION ACTIVITIES TO NOT TAKE PLACE WITHIN THE WATER QUALITY RIPARIAN BUFFER ZONE AND FOR EXISTING FORESTED AREAS TO BE PRESERVED. (4.1.2., 6.4.2.)

4.1.9. BECAUSE OF HEAVY SEDIMENT LOAD ASSOCIATED WITH CONSTRUCTION SITE RUNOFF, WATER QUALITY RIPARIAN BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE WATER QUALITY RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA.

4.1.10. WHERE IT IS NOT PRACTICABLE TO MAINTAIN A FULL WATER QUALITY RIPARIAN BUFFER, BEST MANAGEMENT PRACTICES (BMPS) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN ZONE MUST BE USED. A JUSTIFICATION FOR USE AND DESIGN EQUIVALENCY SHALL BE DOCUMENTED WITHIN THE SWPPP. THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS SHALL REVIEW AND APPROVE THIS REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE SITE PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CGP. WHERE ISSUED, ARAP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

4.2. OUTFALL INFORMATION

4.2.1. OUTFALL TABLE (5.5.1.c). SEE SWPPP SHEET S-8 FOR OUTFALL INFORMATION.

4.2.2. HAVE ALL OUTFALLS BEEN LABELED ON THE EPSC PLAN SHEETS (5.5.1.f)? ☒ YES ☐ NO

4.2.3. HAVE ALL OUTFALLS BEEN LABELED ON A USGS TOPOGRAPHIC MAP INCLUDED IN THE "DOCUMENTATION AND PERMITS" BINDER (3.2.2.)? ☒YES ☐ NO

4.2.4. WHERE POSSIBLE, HAS NON-PROJECT RUN-ON BEEN DIVERTED AROUND OR THROUGH THE PROJECT TO ELIMINATE CONTACT WITH DISTURBED AREAS OF THE PROJECT AND SEPARATE IT FROM PROJECT RUN-OFF THEREBY REDUCING THE DRAINAGE AREA OF TO THE OUTFALLS IN THIS AREA?

☒ YES ☐ NO ☐ N/A

4.2.5. ARE EQUIVALENT MEASURES BEING SUBSTITUTED FOR A SEDIMENT BASIN(S) OR SEDIMENT TRAP(S)? (5.5.3.5.)

☐ YES ☐ NO ☐ N/A

4.2.6. A SEDIMENT BASIN, OR EQUIVALENT MEASURE(S) WILL BE PROVIDED FOR ANY OUTFALL IN A DRAINAGE AREA:

OF TEN ACRES OR MORE FOR AN OUTFALL(S) THAT DOES NOT DISCHARGE TO A STATE STREAM WITH UNAVAILABLE PARAMETERS OR EXCEPTIONAL TENNESSEE WATERS (ETW). A TEMPORARY (OR PERMANENT) SEDIMENT BASIN OR EQUIVALENT CONTROL MEASURES THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A MINIMUM 2-YEAR/ 24-HOUR STORM EVENT, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (5.5.3.5)

OR

OF FIVE ACRES OR MORE FOR AN OUTFALL(S) THAT DISCHARGES TO A STATE STREAM WITH UNAVAILABLE PARAMETERS OR EXCEPTIONAL TENNESSEE WATERS (ETW). A TEMPORARY (OR PERMANENT) SEDIMENT BASIN THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/ 24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (6.4.1.e).

ALL CALCULATIONS RELATED TO DRAINAGE AREAS, RUNOFF COEFFICIENTS, BASIN VOLUMES AND EQUIVALENT CONTROL MEASURES MUST BE PROVIDED IN THE SWPPP (5.5.3.5.)

4.2.7. A SEDIMENT TRAP, OR EQUIVALENT MEASURE(S) WILL BE PROVIDED FOR ANY OUTFALL IN A DRAINAGE AREA:

OF 3.5 - 4.9 ACRES FOR AN OUTFALL(S) THAT DISCHARGES TO A STATE STREAM WITH UNAVAILABLE PARAMETERS (303d SILTATION) OR EXCEPTIONAL TENNESSEE WATERS (ETW). A SEDIMENT TRAP THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (6.4.1.f).

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

4.2.8. SEDIMENT STRUCTURES TREATING DRAINAGE AREAS IN EXCESS OF 25 ACRES REQUIRE A SITE-SPECIFIC DESIGN THAT ACCURATELY DEFINES THE SITE HYDROLOGY, SITE-SPECIFIC SEDIMENT LOADING, HYDRAULICS OF THE SITE, AND ADHERES TO ALL TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK DESIGN RECOMMENDATIONS FOR SEDIMENT BASINS. (5.5.3.5.)

4.3. WETLAND INFORMATION

WILL CONSTRUCTION AND/OR EROSION AND SEDIMENT CONTROLS IMPACT ANY WETLANDS? ☐ YES ☒ NO

IF YES, THE STRUCTURAL EPSC MEASURES HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND IN THE WATER QUALITY PERMITS.

WETLAND INFORMATION				
TDOT WETLAND LABEL	FROM STATION LT OR RT	TO STATION LT OR RT	TEMPORARY IMPACTS (AC)	PERMANENT IMPACTS (AC)

4.4. TOTAL MAXIMUM DAILY LOADS (TMDL) INFORMATION (1.3.j)

4.4.1. IS THIS PROJECT LOCATED IN A HUC-8 WATERSHED THAT MAINTAINS AN EPA APPROVED TMDL FOR SILTATION AND HABITAT ALTERATION?

☒YES ☐ NO

4.4.2. IF YES, IS THIS PROJECT LOCATED WITHIN A HUC-12 SUBWATERSHED WITH A WASTE LOAD ALLOCATION (WLA)?

☒ YES ☐ NO

4.4.3. IF YES, DOES THE PROJECT HAVE A DIRECT DISCHARGE TO A 303(d) LISTED STREAM FOR SILTATION?

☒ YES ☐ NO

IF YES, SWPPP INCORPORATES MEASURES OR CONTROLS CONSISTENT WITH THE ASSUMPTIONS AND REQUIREMENTS OF THE TMDL.

4.5. ECOLOGY INFORMATION (3.5.5.e)

DOES THE TDOT ENVIRONMENTAL BOUNDARIES REPORT SPECIFY SPECIAL NOTES TO BE ADDED TO THE PLAN SHEETS?

☐ YES ☒ NO

IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) _____.

4.6. ENVIRONMENTAL COMMITMENTS

ARE THERE ANY NOTES ON THE ENVIRONMENTAL COMMITMENT SHEET?

☒ YES ☐ NO

IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) 1B.

5. EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES (5.5.3.)

5.1. EPSC MEASURES MUST BE DESIGNED, INSTALLED AND MAINTAINED TO CONTROL STORMWATER VOLUME AND VELOCITY WITHIN THE SITE TO MINIMIZE EROSION (4.1.1).

5.2. EPSC MEASURES MUST CONTROL STORMWATER DISCHARGES, INCLUDING BOTH PEAK FLOWS AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS, STREAM CHANNELS, AND STREAM BANKS. (4.1.1)

5.3. HAVE THE CONTROL MEASURES BEEN DESIGNED PER THE SIZE AND SLOPE OF THE DISTURBED DRAINAGE AREA (5.5.3.5.)?

☒YES ☐ NO

5.4. THE CONTROL MEASURES HAVE, AT A MINIMUM, BEEN DESIGNED FOR THE 5-YEAR, 24 HOUR STORM EVENT (5.5.3.5., 6.4.1.b).

5.5. ARE THE LIMITS OF DISTURBANCE CLEARLY MARKED ON THE EPSC PLANS (5.5.1.f)? ☒ YES ☐ NO

5.6. AREAS TO BE UNDISTURBED SHALL BE CLEARLY MARKED IN THE FIELD BEFORE CONSTRUCTION ACTIVITIES BEGIN.

5.7. UNLESS OTHERWISE NOTED IN THE PLANS, THE CONTRACTOR SHALL NOT CLEAR/DISTURB ANY AREA BEYOND 15 FEET FROM SLOPE LINES OR ROW/ EASEMENT LINE, WHICHEVER IS LESSER.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	94004-3234-04	
PS&E	2026	94004-3234-04	S-3

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

5.9. HAS A THREE STAGED EPSC PLAN BEEN PREPARED FOR THE PROJECT (5.5.2.)?

YES ☒ NO ☐

PLEASE NOTE THAT A THREE STAGED EPSC PLAN IS REQUIRED FOR ALL TDOT PROJECTS FOR WHICH AN NPDES PERMIT IS REQUIRED.

5.10. STEEP SLOPES ARE DEFINED AS A NATURAL OR CREATED SLOPE OF 35% GRADE OR GREATER REGARDLESS OF HEIGHT. HAVE STEEP SLOPES BEEN MINIMALLY DISTURBED AND/OR PROTECTED BY CONVEYING RUNOFF NON-EROSIVELY AROUND OR OVER THE SLOPE (5.5.3.4.) (10. "STEEP SLOPE")? ☒ YES ☐ NO ☐ N/A

5.11. THE STRUCTURAL EPSC MEASURES HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND HAVE BEEN INCLUDED IN THE AQUATIC RESOURCE ALTERATION (ARAP) PERMIT OR SECTION 401 CERTIFICATION (5.5.1.h). REFER TO THE LIST OF APPLICABLE ENVIRONMENTAL PERMITS LOCATED ON SWPPP SHEET 7. ALL PERMITS WILL BE MAINTAINED ON SITE WITHIN THE "DOCUMENTATION AND PERMITS" BINDER.

5.12. THE EPSC CONTROL MEASURES LISTED IN THE QUANTITIES TABLE ON SHEETS 2 & 7A HAVE BEEN SELECTED IN ACCORDANCE WITH TDOT STANDARD DRAWINGS AND GOOD ENGINEERING PRACTICES (5.1., 5.5.3.1.b, 5.5.3.5.).

5.13. EPSC MEASURES SHALL BE INSTALLED PER TDOT STANDARDS (i.e. STANDARD DRAWINGS) AND SHALL BE FUNCTIONAL PRIOR TO ANY EARTH MOVING OPERATIONS.

5.14. EPSC MEASURES WILL NOT BE INSTALLED WITHIN A STREAM WITHOUT FIRST OBTAINING APPROVAL FROM THE PERMITS SECTION.

5.15. TEMPORARY EPSC MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT MUST BE REINSTALLED AT THE END OF THE WORKDAY OR BEFORE A PRECIPITATION EVENT.

5.16. EPSC MEASURES LOCATED IN WOTUS (EPHEMERAL STREAMS) MUST BE CONSIDERED TEMPORARY AND SHALL BE REMOVED AT THE END OF CONSTRUCTION.

5.17. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT THE OFF-SITE MIGRATION OR DEPOSIT OF SEDIMENT OFF THE PROJECT LIMITS (E.G. R.O.W., EASEMENTS, ETC.), INTO WATERS OF THE STATE/U.S., OR ONTO ROADWAYS USED BY THE PUBLIC. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT THAT HAVE NOT REACHED A STREAM MUST BE REMOVED TO A LEVEL SUFFICIENT TO MINIMIZE OFF-SITE IMPACTS (E.G., FUGITIVE SEDIMENT THAT HAS ESCAPED THE CONSTRUCTION SITE AND HAS COLLECTED IN A STREET MUST BE REMOVED SO THAT IT IS NOT SUBSEQUENTLY WASHED INTO STORM SEWERS AND STREAMS BY THE NEXT RAIN AND/OR SO THAT IT DOES NOT POSE A SAFETY HAZARD TO USERS OF PUBLIC STREETS). ARRANGEMENTS CONCERNING REMOVAL OF SEDIMENT ON ADJOINING PROPERTY MUST BE SETTLED WITH THE ADJOINING PROPERTY OWNER BEFORE REMOVAL OF SEDIMENT. SEDIMENT THAT MIGRATES INTO WATERS OF THE STATE/US SHALL NOT BE REMOVED WITHOUT GUIDANCE FROM TDOT ENVIRONMENTAL PERSONNEL.

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

5.19. THE QUANTITIES REQUIRED FOR STABILIZED CONSTRUCTION EXITS PER TDOT STANDARDS HAVE BEEN SPECIFIED ON SHEETS 2 & 7A (5.5.3.1.j).

5.20. DISCHARGES FROM DEWATERING ACTIVITIES ARE PROHIBITED UNLESS MANAGED BY APPROPRIATE CONTROLS THAT PROVIDE THE LEVEL OF TREATMENT (FILTRATION) NECESSARY TO COMPLY WITH PERMIT REQUIREMENTS. (4.1.3.).

5.21. SETTLING BASINS AND SEDIMENT TRAPS SHALL BE PROPERLY DESIGNED PER THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED. TREATED WATER MUST BE DISCHARGED THROUGH A PIPE OR WELL VEGETATED OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT.

5.22. DISCHARGES FROM SEDIMENT BASINS AND IMPOUNDMENTS SHALL UTILIZE OUTLET STRUCTURES THAT ONLY WITHDRAW WATER FROM NEAR THE SURFACE OF THE BASIN OR IMPOUNDMENT. TREATED WATER MUST BE DISCHARGED THROUGH A PIPE, WELL- VEGETATED AND/OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT. (5.5.3.5.).

5.23. THE DEWATERING OF WORK AREAS, TRENCHES, FOUNDATIONS, EXCAVATIONS, ETC. THAT HAVE COLLECTED STORMWATER, WATER FROM VEHICLE WASH AREAS, OR GROUNDWATER SHALL BE EITHER HELD IN SETTLING BASINS OR TREATED BY FILTRATION AND/OR CHEMICAL TREATMENT PRIOR TO ITS DISCHARGE. ALL CHEMICAL TREATMENTS MUST BE APPLIED PER SECTION 6 FLOCCULANTS.

5.24. WATER DISCHARGED FROM DEWATERING ACTIVITIES SHALL NOT CAUSE AN OBJECTIONABLE COLOR CONTRAST WITHIN THE RECEIVING NATURAL RESOURCE. WATER MUST BE HELD WITHIN SETTLING BASINS UNTIL IT IS AT LEAST AS CLEAR AS THE RECEIVING WATERS.

5.25. DEWATERING STRUCTURES, SEDIMENT FILTER BAGS, SEDIMENT BASINS AND TRAPS SHALL NOT BE LOCATED CLOSER THAN 30 FEET (60 FEET DESIRABLE VEGETATIVE BUFFER) FOR WATERS WITH UNAVAILABLE PARAMETERS AND EXCEPTIONAL TENNESSEE WATERS (ETW) AND 15 FEET (30 FEET DESIRABLE VEGETATIVE BUFFER) FOR ALL OTHER FEATURES FROM THE TOP BANK OF A STREAM, WOTUS (EPHEMERAL), WETLAND OR OTHER NATURAL RESOURCE AND SHALL BE PROPERLY DESIGNED PER THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED.

5.26. STABILIZATION PRACTICES: PRE-CONSTRUCTION VEGETATIVE COVER WILL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 2 WEEKS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA WILL BE SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED (5.5.3.5.f).

5.27. STABILIZATION MEASURES WILL BE INITIATED AS SOON AS POSSIBLE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY OR PERMANENT STABILIZATION WILL BE COMPLETED WITHIN 2 WEEKS AFTER ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED IN THAT AREA. PERMANENT STABILIZATION WILL REPLACE TEMPORARY MEASURES AS SOON AS PRACTICABLE (5.5.3.4.).

5.28. PRIORITY SHALL BE GIVEN TO FINISHING OPERATIONS AND PERMANENT EPSC MEASURES OVER TEMPORARY EPSC MEASURES ON ALL PROJECTS. UNPACKED GRAVEL CONTAINING FINES (SILT AND CLAY SIZED PARTICLES) OR CRUSHER-RUN WILL NOT BE CONSIDERED A NON-ERODIBLE SURFACE

5.29. DELAYING THE PLANTING OF COVER VEGETATION UNTIL WINTER MONTHS OR DRY MONTHS SHOULD BE AVOIDED, IF POSSIBLE.

5.30. STEEP SLOPES SHALL BE TEMPORARILY STABILIZED NOT LATER THAN 1 WEEK AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED. (5.5.3.4.).

6. FLOCCULANTS (3.5.3.1.b)

IS ADDITIONAL PHYSICAL OR CHEMICAL TREATMENT OF STORMWATER RUNOFF NECESSARY (5.5.3.5.)? ☐ YES ☒ NO

IF YES, THE FOLLOWING NOTES APPLY:

6.1. ENSURE THE FLOCCULANT EMULSIONS AND POWDERS ARE OF THE ANIONIC TYPE (5.5.3.5.). AND MEET THE FOLLOWING REQUIREMENTS:

6.1.1. MEETS THE EPA AND FDA ACRYLAMIDE MONOMER LIMITS OF EQUAL TO OR GREATER THAN 0.005% ACRYLAMIDE MONOMER.

6.1.2. HAS A DENSITY OF 10% TO 55% BY WEIGHT AND A MOLECULAR WEIGHT OF 16 TO 24 MG/MOLE (MILLIGRAM PER MOLE).

6.1.3. MIXTURE IS NON-COMBUSTIBLE.

6.1.4. CONTAINS ONLY MANUFACTURER'S RECOMMENDED ADDITIVES.

6.2. FLOCCULANT SHALL BE MIXED AND APPLIED IN ACCORDANCE WITH ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) MATERIAL SAFETY DATA SHEET REQUIREMENTS AND THE MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIED USES CONFORMING TO ALL FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS.

6.3. ALL VENDORS AND SUPPLIERS OF FLOCCULANT BLENDS SHALL PRESENT OR SUPPLY A WRITTEN TOXICITY REPORT WHICH VERIFIES ACCEPTABLE TOXICITY PARAMETERS WHICH MEET OR EXCEED THE EPS REQUIREMENTS FOR THE STATE AND FEDERAL WATER QUALITY STANDARDS. WHOLE EFFLUENT TESTING DOES NOT MEET THIS REQUIREMENT AS PRIMARY REACTIONS HAVE OCCURRED AND TOXIC POTENTIALS HAVE BEEN REDUCED. CATIONIC FORMS OF FLOCCULANTS ARE NOT ALLOWED UNDER THIS SECTION DUE TO HIGH LEVELS OF TOXICITY TO AQUATIC ORGANISMS. FLOCCULANT EMULSIONS SHALL NEVER BE APPLIED DIRECTLY TO STORMWATER RUNOFF OR RIPARIAN WATERS DUE TO SURFACTANT TOXICITY. THE CONTRACTOR MUST SEEK THE APPROVAL OF THE EPSC DESIGN ENGINEER AND TDOT IF CHITOSAN IS PROPOSED FOR THIS PROJECT.

6.4. ALL VENDORS AND SUPPLIERS OF FLOCCULANT BLENDS SHALL SUPPLY WRITTEN "SITE SPECIFIC" TESTING RESULTS DEMONSTRATING A PERFORMANCE OF 95% OR GREATER REDUCTION OF NTU OR TSS FROM STORMWATER DISCHARGES.

6.5. EMULSION BATCHES SHALL BE MIXED FOLLOWING RECOMMENDATIONS OF THE TESTING LABORATORY THAT DETERMINES THE PROPER PRODUCT AND RATE TO MEET SITE REQUIREMENTS. APPLICATION METHODS SHALL ENSURE UNIFORM COVERAGE TO THE TARGET AREA. EMULSIONS SHALL NEVER BE APPLIED DIRECTLY TO STORMWATER RUNOFF OR RIPARIAN BUFFERS.

6.6. FLOCCULANT POWDER MAY BE APPLIED BY A HAND OR MECHANICAL SPREADER. MIXING OF THE FLOCCULANT POWDER WITH DRY SILICA SAND WILL AID IN SPREADING.

6.7. PREMIXING OF FLOCCULANT POWDER INTO FERTILIZER, SEED, OR OTHER SOIL AMENDMENTS IS ALLOWED WHEN SPECIFIED IN THE DESIGN PLAN. APPLICATION METHOD SHALL ENSURE UNIFORM COVERAGE TO THE TARGET AREA.

6.8. FLOCCULANT LOGS OR BLOCKS SHALL BE APPLIED FOLLOWING SITE TESTING RESULTS TO ENSURE PROPER PLACEMENT AND PERFORMANCE AND SHALL MEET OR EXCEED STATE AND FEDERAL WATER QUALITY REQUIREMENTS.

6.9. DO NOT APPLY FLOCCULANTS DIRECTLY TO, OR WITHIN 60 FEET, OF ANY STREAMS, WETLANDS, OR OTHER NATURAL WATER RESOURCE LOCATED ON OR ADJACENT TO THE CONSTRUCTION SITE. DO NOT APPLY FLOCCULANTS DIRECTLY INTO WATERS CONTAINED WITHIN SEDIMENT PONDS OR TO SLOPES THAT PRODUCE RUNOFF DIRECTLY INTO A STREAM, WETLAND, OR OTHER NATURAL WATER RESOURCE. DO NOT APPLY FLOCCULANTS IMMEDIATELY AT A STORMWATER OUTFALL WHERE RUNOFF LEAVES THE PROJECT LIMITS.

7. UTILITY RELOCATION

ARE UTILITIES INCLUDED IN THE CONTRACT? ☒ YES ☐ NO

IF YES, THE FOLLOWING APPLY:

7.1. STORMWATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND TREATED PRIOR TO DISCHARGE.

7.2. SILT FENCE SHALL BE INSTALLED ON THE DOWNGRADIENT SIDE OF STOCKPILED SOIL. ANY TRENCHING ACROSS WET WEATHER CONVEYANCES SHALL BE DONE DURING DRY CONDITIONS, REMOVED AND STABILIZED BY THE END OF THE WORK DAY.

7.3. UTILITY CROSSINGS IN ENVIRONMENTAL FEATURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH TDOT STANDARDS AND NO WORK SHALL BE CONDUCTED IN FLOWING WATERS. ENVIRONMENTAL PERMITS APPLY TO UTILITIES IN THIS PROJECT. THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE PERMITS.

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

7.6. IN REGARDS TO EPSC, TDEC REGULATIONS APPLY TO THE STATE UTILITY CONTRACTORS ON THIS PROJECT. THE STATE CONTRACTOR IS RESPONSIBLE FOR EPSC MEASURES RELATED TO UTILITY CONSTRUCTION INCLUDED IN THE STATE CONTRACT.

7.7. TRENCHES FORMED FOR THE INSTALLATION OF BURIED UTILITIES MAY CAUSE STORMWATER RUNOFF TO CONCENTRATE AT THE TRENCH LINE. ADDITIONAL EPSC MEASURES MAY BE REQUIRED TO BE INSTALLED AS APPROVED BY THE TDOT PROJECT ENGINEER.

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

7.9. THE UTILITY CONTRACTOR SHALL RESTORE ALL AFFECTED WET WEATHER CONVEYANCES TO THE EXISTING TOPOGRAPHIC CONDITIONS AS APPROVED BY THE TDOT RESPONSIBLE PARTY.

7.10. THE UTILITY CONTRACTOR WILL PROVIDE APPROPRIATE EPSC MEASURES TO REPLACE ONSITE EPSC MEASURES REMOVED TO FACILITATE THE INSTALLATION OF UTILITIES. REPLACEMENT OF EPSC MEASURES WILL BE COORDINATED WITH THE TDOT ENGINEER BEFORE COMMENCING WORK.

7.11. FOR UTILITY CROSSINGS THAT UTILIZE HORIZONTAL DIRECTIONAL DRILLING THE FOLLOWING SHALL APPLY:

7.11.1. THE ENTRY AND EXIT POINTS SHALL BE AT LEAST 50 FEET FROM THE STREAM BANK OR WETLAND BOUNDARY.

7.11.2. THE DEPTH OF BORE BELOW THE STREAMBED IS SUFFICIENT TO PREVENT RELEASE OF DRILLING FLUID, BASED ON THE PARENT MATERIAL.

7.11.3. A SITE-SPECIFIC CONTINGENCY AND CONTAINMENT PLAN FOR INADVERTENT RELEASE OF DRILLING FLUID SHALL BE ESTABLISHED PRIOR TO COMMENCEMENT OF WORK. THIS PLAN SHALL BE SUBMITTED TO THE TDOT PROJECT ENGINEER AND THE TDOT ENVIRONMENTAL DIVISION PERMITS AND/OR COMPLIANCE AND FIELD SERVICES OFFICE FOR REVIEW AND APPROVAL.

8. MAINTENANCE AND INSPECTION

8.1. INSPECTION PRACTICES (5.5.3.9.)

8.1.1. PROJECT EPSC INSPECTORS AND ENGINEERS (INCLUDING TDOT STAFF, CONSULTANTS AND CONTRACTOR STAFF) RESPONSIBLE FOR THE INSPECTION, IMPLEMENTATION, MAINTENANCE. AND/OR REPAIR OF EPSC MEASURES SHALL MEET ONE OF THE FOLLOWING REQUIREMENTS (5.5.3.10.):

8.1.1.1. SUCCESSFULLY COMPLETED THE TDOT EPSC INSPECTIONS TRAINING AND ANY RECERTIFICATION COURSE AS REQUIRED.

8.1.1.2. SUCCESSFULLY COMPLETED THE TDEC “LEVEL I - FUNDAMENTALS OF EROSION PREVENTION AND SEDIMENT CONTROL” COURSE AND ANY RECERTIFICATION COURSES AS REQUIRED.

8.1.1.3. BE A CURRENT TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT.

8.1.1.4. BE A CURRENT CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC).

8.1.1.5. SUCCESSFULLY COMPLETED TDEC “LEVEL II – DESIGN PRINCIPLES FOR EROSION PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES” COURSE AND ANY RECERTIFICATION COURSE AS REQUIRED.

8.1.2. THE TDOT CONSTRUCTION ENGINEER (OR THEIR DULY AUTHORIZED REPRESENTATIVE) AND THE CONTRACTOR’S SITE SUPERINTENDENT ARE RESPONSIBLE FOR INSPECTIONS. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE TDOT CONSTRUCTION ENGINEER OR THEIR DULY AUTHORIZED REPRESENTATIVE SHALL COMPLETE THE EPSC INSPECTION REPORTS AND DISTRIBUTE COPIES PER THE CONTRACT.

8.1.3. THE INSPECTOR SHALL CONDUCT PRE-CONSTRUCTION INSPECTIONS TO VERIFY AREAS THAT ARE NOT TO BE DISTURBED HAVE BEEN MARKED IN THE SWPPP AND IN THE FIELD BEFORE LAND DISTURBANCE ACTIVITIES BEGIN AND INITIAL MEASURES HAVE BEEN INSTALLED (10 “INSPECTOR”) (5.5.1.f).

8.1.4. EPSC CONTROLS SHALL BE INSPECTED TO VERIFY MEASURES HAVE BEEN INSTALLED AND MAINTAINED IN ACCORDANCE WITH TDOT STANDARD DRAWINGS, SPECIFICATIONS, AND GOOD ENGINEERING PRACTICES. EPSC INSPECTIONS SHALL BE DOCUMENTED ON THE TDOT EPSC INSPECTION REPORT FORM AND THE TDEC CONSTRUCTION STORMWATER INSPECTION CERTIFICATION (TWICE-WEEKLY INSPECTIONS) FORM.

8.1.5. OUTFALL POINTS SHALL BE INSPECTED TO ASCERTAIN WHETHER EPSC MEASURES ARE EFFECTIVE IN PREVENTING EROSION AND CONTROLLING SEDIMENT INCLUDING SIGNIFICANT IMPACTS TO SURROUNDING STATE WATERS, WOTUS (EPHEMERAL), WETLANDS, OTHER NATURAL RESOURCES AND ADJACENT PROPERTY OWNERS. WHERE DISCHARGE LOCATIONS ARE INACCESSIBLE, NEARBY DOWN GRADIENT LOCATIONS SHALL BE INSPECTED. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE ROADWAY SEDIMENT TRACKING.

8.1.6. INSPECTIONS WILL BE CONDUCTED AT LEAST TWICE EVERY CALENDAR WEEK AND AT LEAST 72 HOURS APART (5.5.3.11.a). A CALENDAR WEEK IS DEFINED AS SUNDAY THROUGH SATURDAY. QUALITY ASSURANCE INSPECTIONS OF TDOT EPSC, NPDES AND WATER QUALITY PERMIT REQUIREMENTS SHALL BE PERFORMED PER THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE.

8.1.7. THE FREQUENCY OF EPSC INSPECTIONS MAY BE REDUCED TO ONCE A MONTH WHERE SITES OR PORTIONS OF SITES HAVE BEEN TEMPORARILY STABILIZED UNTIL CONSTRUCTION ACTIVITIES RESUME WITH WRITTEN NOTIFICATION BY THE TDOT REGIONAL ENGINEER TO TDEC NASHVILLE CENTRAL OFFICE AND SUBSEQUENT TDEC APPROVAL. WRITTEN NOTIFICATION MUST INCLUDE THE INTENT TO CHANGE FREQUENCY AND JUSTIFICATION (5.5.3.11.a).

8.1.8. ALL DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN PERMANENTLY STABILIZED, AREAS USED FOR MATERIAL STORAGE THAT ARE EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AND EACH OUTFALL WILL BE INSPECTED (5.5.3.11.b).

8.1.9. THE INSPECTOR WILL OVERSEE THE REQUIREMENTS OF OTHER CONSTRUCTION-RELATED WATER QUALITY PERMITS (I.E. TDEC ARAP, USACE SECTION 404, AND TVA SECTION 26a PERMITS) FOR CONSTRUCTION ACTIVITIES AROUND WATERS OF THE STATE (10 “INSPECTOR”).

8.1.10. THE SWPPP WILL BE REVISED AS NECESSARY BASED ON THE RESULTS OF THE INSPECTION. REVISION(S) WILL BE RECORDED WITHIN 1 WEEK OF THE INSPECTION. REVISION(S) WILL BE IMPLEMENTED WITHIN 2 WEEKS OF THE INSPECTION (5.5.3.11.e AND 5.5.3.11.f).

8.1.11. DOCUMENTATION OF INSPECTIONS WILL BE MAINTAINED ON SITE IN THE “DOCUMENTATION AND PERMITS” BINDER. REPORTS WILL BE SUBMITTED TO THE TDOT PROJECT ENGINEER PER THE CONTRACT.

8.1.12. THESE INSPECTION REQUIREMENTS DO NOT APPLY TO DEFINABLE AREAS OF THE SITE THAT HAVE MET PERMANENT STABILIZATION REQUIREMENTS AND HAVE BEEN NOTED IN THE SWPPP.

8.1.13. TRAINED CERTIFIED INSPECTORS SHALL COMPLETE INSPECTION TO THE BEST OF THEIR ABILITY. FALSIFYING INSPECTION RECORDS OR OTHER DOCUMENTATION OR FAILURE TO COMPLETE INSPECTION DOCUMENTATION SHALL RESULT IN A VIOLATION OF THIS PERMIT AND ANY OTHER APPLICABLE ACTS OR RULES (5.5.3.11.h).

8.2. DULY AUTHORIZED REPRESENTATIVE (8.7.3.)

THE PROJECT ENGINEER MAY DELEGATE AN INDIVIDUAL AND/OR CONSULTANT TO SIGN EPSC INSPECTIONS REPORTS. FOR SATISFYING SIGNATORY REQUIREMENTS FOR EPSC INSPECTION REPORTS, THE PROJECT ENGINEER AND NEWLY AUTHORIZED INDIVIDUAL ACCEPTING RESPONSIBILITY MUST COMPLETE AND SIGN THE TDOT CONSTRUCTION DIVISION EPSC DELEGATION OF AUTHORITY.

8.3. MAINTENANCE PRACTICES (5.1 AND 8.13.)

8.3.1. ALL CONTROLS WILL BE MAINTAINED IN GOOD AND EFFECTIVE OPERATING ORDER AND IN ACCORDANCE WITH TDOT STANDARD DRAWINGS AND GOOD ENGINEERING PRACTICES. (5.1. AND 5.5.3.1.b)

8.3.2. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

8.3.3. UPON CONCLUSION OF THE INSPECTIONS, EPSC MEASURES FOUND TO BE INEFFECTIVE SHALL BE REPAIRED, REPLACED, OR MODIFIED BEFORE THE NEXT RAIN EVENT, IF POSSIBLE, BUT IN NO CASE, MORE THAN 24 HOURS AFTER THE INSPECTION OR WHEN THE CONDITION IS IDENTIFIED. IF THE REPAIR, REPLACEMENT OR MODIFICATION IS NOT PRACTICAL WITHIN THE 24-HOUR TIMEFRAME, WRITTEN DOCUMENTATION PROVIDED BY THE CONTRACTOR SHALL BE PLACED IN THE FIELD DIARY AND EPSC INSPECTION REPORT. AN ESTIMATED REPAIR, REPLACEMENT OR MODIFICATION SCHEDULE SHALL BE DOCUMENTED WITHIN 24 HOURS AFTER IDENTIFICATION. (5.5.3.11.e).

8.3.4. SEDIMENT SHALL BE REMOVED FROM SEDIMENT CONTROL STRUCTURES (SEDIMENT TRAPS, SILT FENCE, SEDIMENT BASINS, OTHER CONTROLS, ETC.) WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT (50%). (5.5.3.1.d).

8.3.5. DURING SEDIMENT REMOVAL, THE CONTRACTOR SHALL TAKE STEPS TO ENSURE THAT STRUCTURAL COMPONENTS OF EPSC MEASURES ARE NOT DAMAGED AND THUS MADE INEFFECTIVE. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL REPAIR THE EPSC MEASURES AT THE CONTRACTOR'S OWN EXPENSE.

8.3.6. CHECK DAMS WILL BE INSPECTED FOR STABILITY. SEDIMENT WILL BE REMOVED WHEN DEPTH REACHES ONE-HALF (½) THE HEIGHT OF THE DAM.

8.3.7. SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES SHALL BE PLACED AND TREATED IN A MANNER SO THAT THE SEDIMENT IS CONTAINED WITHIN THE PROJECT LIMITS, DOES NOT MIGRATE INTO FEATURES REMOVED FROM, AND DOES NOT MIGRATE ONTO ADJACENT PROPERTIES AND/OR INTO WATERS OF THE STATE/U.S.

8.3.8. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER WILL BE PICKED UP AND REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFF THE SITE BY WIND, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES. AFTER USE, MATERIALS USED FOR EROSION CONTROL WILL BE REMOVED (5.5.3.7.a).

8.3.9. ALL SEEDED AREAS WILL BE CHECKED FOR BARE SPOTS, EROSION WASHOUTS, AND VIGOROUS GROWTH FREE OF SIGNIFICANT WEED INFESTATIONS.

9. SITE ASSESSMENTS (5.5.3.8.)

QUALITY ASSURANCE SITE ASSESSMENTS OF EROSION PREVENTION AND SEDIMENT CONTROLS SHALL BE PERFORMED PER THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE GUIDELINES.

10. STORMWATER MANAGEMENT (5.5.3.11.h)

10.1. STORMWATER MANAGEMENT WILL BE HANDLED BY TEMPORARY CONTROLS OUTLINED IN THIS SWPPP AND ANY PERMANENT CONTROLS NEEDED TO MEET PERMANENT STORMWATER MANAGEMENT NEEDS IN THE POST CONSTRUCTION PERIOD. PERMANENT CONTROLS WILL BE DEPICTED ON THE PLANS AND NOTED AS PERMANENT.

10.2. DESCRIBE ANY SPECIFIC POST-CONSTRUCTION MEASURES THAT WILL CONTROL VELOCITY, POLLUTANTS, AND/OR EROSION (5.5.3.6.c): RIPRAP WILL BE PLACED AROUND BRIDGE ABUTMENTS AND ALONG AN OUTFALL NEAR THE SOUTHWEST SIDE OF THE BRIDGE STRUCTURE.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	94004-3234-04	
PS&E	2026	94004-3234-04	S-5

10.3. OTHER ITEMS NEEDING CONTROL (5.5.3.7.)

CONSTRUCTION MATERIALS: THE FOLLOWING MATERIALS OR SUBSTANCES ARE EXPECTED TO BE PRESENT ON THE SITE DURING THE CONSTRUCTION PERIOD. (CHECK ALL THAT APPLY).

☒ LUMBER, GUARDRAIL, TRAFFIC CONTROL DEVICES
☒ CONCRETE WASHOUT
☒ PIPE CULVERTS (I.E. CONCRETE, CORRUGATED METAL, HDPE, ETC.)
☒ MINERAL AGGREGATES, ASPHALT
☒ EARTH
☒ LIQUID TRAFFIC STRIPING MATERIALS, PAINT
☒ ROCK
☒ CURING COMPOUND
☐ EXPLOSIVES
☐ OTHER _____

THESE MATERIALS WILL BE HANDLED AS NOTED IN THIS SWPPP.

10.4. WASTE MATERIALS (5.5.3.7.c)

WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH THE TDOT CONSTRUCTION CONTRACT AND FEDERAL AND STATE REGULATIONS. IMPACTS TO WATERS OF THE STATE/U.S. SHALL BE AVOIDED IF POSSIBLE. IF UNAVOIDABLE, THE CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO NPDES, AQUATIC RESOURCES ALTERATION PERMIT(S) CORPS OF ENGINEERS SECTION 404 PERMITS, AND TVA SECTION 26A PERMITS TO DISPOSE OF WASTE MATERIALS.

10.5. HAZARDOUS WASTE (5.5.3.7.c) (8.8)

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN A MANNER WHICH IS COMPLIANT WITH LOCAL OR STATE REGULATIONS. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES, AND THE INDIVIDUAL DESIGNATED AS THE CONTRACTOR'S ON-SITE REPRESENTATIVE WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. THE CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS TO DISPOSE OF HAZARDOUS MATERIAL.

10.6. SANITARY WASTE (5.5.3.7.b)

PORTABLE SANITARY FACILITIES WILL BE PROVIDED ON ALL CONSTRUCTION SITES. SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY LOCAL REGULATIONS. THE CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS TO DISPOSE OF SANITARY WASTE.

10.7. OTHER MATERIALS

THE FOLLOWING MATERIALS OR SUBSTANCES ARE EXPECTED TO BE PRESENT ON THE SITE DURING THE CONSTRUCTION PERIOD. (CHECK ALL THAT APPLY).

☒ FERTILIZERS AND LIME
☒ PESTICIDES AND/OR HERBICIDES
☒ DIESEL AND GASOLINE
☒ MACHINERY LUBRICANTS (OIL AND GREASE)

THESE MATERIALS WILL BE HANDLED AS NOTED IN THIS SWPPP.

11. NON-STORMWATER DISCHARGES (5.5.3.12.)

11.1. THE FOLLOWING NON-STORMWATER DISCHARGES ARE ANTICIPATED DURING THE CONSTRUCTION OF THIS PROJECT (CHECK ALL THAT APPLY):

☒ DEWATERING OF WORK AREAS OF COLLECTED STORMWATER AND GROUND WATER.
☒ WATERS USED TO WASH VEHICLES (OF DUST AND SOIL) WHERE DETERGENTS ARE NOT USED AND DETENTION AND/OR FILTERING IS PROVIDED BEFORE THE WATER LEAVES THE SITE.
☒ WATER USED TO CONTROL DUST. (3.5.3.1.n)
☒ POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHING FROM WHICH CHLORINE HAS BEEN REMOVED TO THE MAXIMUM EXTENT PRACTICABLE.
☒ UNCONTAMINATED GROUNDWATER OR SPRING WATER.
☒ FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH POLLUTANTS.
☐ OTHER: _____

11.2. ALL ALLOWABLE NON-STORMWATER DISCHARGES WILL BE DIRECTED TO STABLE DISCHARGE STRUCTURES PRIOR TO LEAVING THE SITE. FILTERING OR CHEMICAL TREATMENT MAY BE NECESSARY PRIOR TO DISCHARGE. ALL CHEMICAL TREATMENTS MUST BE APPLIED PER SECTION 6 FLOCCULANTS.

11.3. THE DESIGN OF ALL IMPACTED EPSC MEASURES RECEIVING FLOW FROM ALLOWABLE NON-STORMWATER DISCHARGES MUST BE DESIGNED TO HANDLE THE VOLUME OF THE NON-STORMWATER COMPONENT.

11.4. WASH DOWN OR WASTE DISCHARGE OF CONCRETE TRUCKS WILL NOT BE PERMITTED ON-SITE UNLESS PROPER SETTLEMENT AREAS HAVE BEEN PROVIDED IN ACCORDANCE WITH BOTH STATE AND FEDERAL REGULATIONS.

11.5. ARE ANY DISCHARGES ASSOCIATED WITH INDUSTRIAL (NON-CONSTRUCTION STORMWATER) ACTIVITY EXPECTED (5.5.1.g)?

☐ YES ☒ NO

IF YES, SPECIFY THE LOCATION OF THE ACTIVITY AND ITS PERMIT NUMBER: N/A

12. SPILL PREVENTION, MANAGEMENT AND NOTIFICATION (5.5.3.7.c, 6.1)

12.1. SPILL PREVENTION (5.5.3.7.c)

12.1.1. CONTRACTOR'S BULK FUEL AND PETROLEUM PRODUCTS STORED ON-SITE OR ADJACENT TO THE R.O.W. IN ABOVE GROUND STORAGE TANKS WITH AGGREGATE STORAGE CAPACITY IN EXCESS OF 1,320 GALLONS SHALL HAVE SECONDARY CONTAINMENT.

12.1.2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN AS REQUIRED BY TDOT SPECIAL PROVISION 107FP (REGARDING WATER QUALITY AND STORM WATER PERMITS) AND THE LAW PRIOR TO STORING 1320 GALLONS ON SITE.

12.1.3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING ANY NECESSARY LOCAL, STATE, AND FEDERAL PERMITS. THE SPCC PLAN AND/OR PERMITS SHALL BE KEPT ON-SITE AND A COPY PROVIDED TO THE TDOT CONSTRUCTION ENGINEER.

12.2. MATERIAL MANAGEMENT

12.2.1. HOUSEKEEPING

ONLY CONSTRUCTION PRODUCTS NEEDED SHALL BE STORED ON-SITE BY THE CONTRACTOR. EXCEPT FOR BULK MATERIALS THE CONTRACTOR WILL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS. PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING WILL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHEN POSSIBLE, ALL PRODUCTS WILL BE USED COMPLETELY BEFORE PROPERLY DISPOSING OF THE CONTAINER OFF SITE. THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS WILL BE FOLLOWED. THE CONTRACTOR'S SITE SUPERINTENDENT WILL INSPECT MATERIALS STORAGE AREAS REGULARLY TO ENSURE PROPER USE AND DISPOSAL. DUST GENERATED WILL BE CONTROLLED IN AN ENVIRONMENTALLY SAFE MANNER. VEGETATION AREAS NOT ESSENTIAL TO THE CONSTRUCTION PROJECT WILL BE PRESERVED AND MAINTAINED AS NOTED ON THE PLANS.

12.2.2. HAZARDOUS MATERIALS

PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS UNLESS THE CONTAINER IS NOT RE-SEALABLE. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHEETS WILL BE RETAINED IN A SAFE PLACE TO RELAY IMPORTANT PRODUCT INFORMATION. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S LABEL DIRECTIONS FOR DISPOSAL WILL BE FOLLOWED. MAINTENANCE AND REPAIR OF ALL EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, DE-GREASING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES WHICH MAY RESULT IN THE ACCIDENTAL RELEASE OF CONTAMINANTS WILL BE CONDUCTED ON AN IMPERVIOUS SURFACE AND UNDER COVER DURING WET WEATHER TO PREVENT THE RELEASE OF CONTAMINANTS ONTO THE GROUND. WHEEL WASH WATER WILL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER WILL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM. POTENTIAL pH-MODIFYING MATERIALS SUCH AS: BULK CEMENT, CEMENT KILN DUST, FLY ASH, NEW CONCRETE WASHINGS AND CURING WATERS, CONCRETE PUMPING, AND MIXER WASHOUT WATERS WILL BE COLLECTED ON SITE AND MANAGED TO PREVENT CONTAMINATION OF STORMWATER RUNOFF.

12.3. PRODUCT SPECIFIC PRACTICES

12.3.1. PETROLEUM PRODUCTS: ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.

12.3.2. FERTILIZERS: FERTILIZERS WILL BE APPLIED ONLY IN THE AMOUNTS SPECIFIED BY TDOT. ONCE APPLIED, FERTILIZERS WILL BE WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER. FERTILIZERS WILL BE STORED IN AN ENCLOSED AREA UNDER COVER. THE CONTENTS OF PARTIALLY USED FERTILIZER BAGS WILL BE TRANSFERRED TO SEALABLE CONTAINERS TO AVOID SPILLS.

12.3.3. PAINTS: ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. THE EXCESS WILL BE DISPOSED OF PER THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.

12.3.4. CONCRETE TRUCKS: CONTRACTORS WILL PROVIDE DESIGNATED TRUCK WASHOUT AREAS ON THE SITE. THESE AREAS MUST BE SELF CONTAINED AND NOT CONNECTED TO ANY STORMWATER OUTLET OF THE SITE, AND PROPERLY SIGNED. UPON COMPLETION OF CONSTRUCTION WASHOUT AREAS WILL BE PROPERLY STABILIZED.

12.4. SPILL MANAGEMENT

IN ADDITION TO THE PREVIOUS HOUSEKEEPING AND MANAGEMENT PRACTICES, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP IF NECESSARY:

12.4.1. ALL ONSITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANGE OF LEAKAGE AND SPILLS.

12.4.2. FOR ALL HAZARDOUS MATERIALS STORED ON SITE, THE MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEAN UP WILL BE CLEARLY POSTED. SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF THE INFORMATION AND CLEANUP SUPPLIES.

12.4.3. APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT WILL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA ON-SITE AND UNDER COVER. SPILL RESPONSE EQUIPMENT SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES.

12.4.4. ALL SPILLS SHALL BE CLEANED IMMEDIATELY AFTER DISCOVERY AND THE MATERIALS DISPOSED OF PROPERLY. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

12.4.5. THE CONTRACTOR'S RESPONSIBLE PARTY WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SITE SUPERINTENDENT HAS HAD APPROPRIATE TRAINING FOR HAZARDOUS MATERIALS HANDLING, SPILL MANAGEMENT, AND CLEANUP.

12.4.6. IF SPILLS REPRESENT AN IMMINENT THREAT OF ESCAPING THE SITE AND ENTERING RECEIVING WATERS, PERSONNEL WILL RESPOND IMMEDIATELY TO CONTAIN THE RELEASE AND NOTIFY THE SUPERINTENDENT AFTER THE SITUATION HAS BEEN STABILIZED.

12.4.7. IF AN OIL SHEEN IS OBSERVED ON SURFACE WATER (E.G. SETTLING PONDS, DETENTION PONDS, SWALES), ACTION WILL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL CAUSING THE SHEEN. THE CONTRACTOR WILL USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE SPILL. THE SOURCE OF THE OIL SHEEN WILL ALSO BE IDENTIFIED AND REMOVED OR REPAIRED AS NECESSARY TO PREVENT FURTHER RELEASES.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

12.4.8. IF A SPILL OCCURS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR COMPLETING THE SPILL REPORTING FORM AND FOR REPORTING THE SPILL TO THE TDOT PROJECT RESPONSIBLE PARTY. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.

12.5. SPILL NOTIFICATION (6.1)

WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO, OR MORE THAN A REPORTABLE QUANTITY ESTABLISHED UNDER EITHER 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD:

12.5.1. THE TDOT PROJECT ENGINEER IS RESPONSIBLE FOR NOTIFYING THE REGIONAL PROJECT DEVELOPMENT OFFICE (E.G. TRANSPORTATION ENVIRONMENTAL STUDIES SPECIALIST) AS SOON AS HE OR SHE HAS KNOWLEDGE OF THE DISCHARGE.

12.5.2. THE TDOT REGIONAL PROJECT DEVELOPMENT OFFICE WILL NOTIFY THE LOCAL TDEC ENVIRONMENTAL FIELD OFFICE AND ANY OTHER APPLICABLE REGULATORY AGENCIES WITHIN 24 HOURS OF THE SPILL.

12.5.3. IN ADDITION TO ANY FOLLOW UP NOTIFICATIONS REQUIRED BY FEDERAL LAW, A WRITTEN DESCRIPTION OF THE RELEASE, DATE OF RELEASE AND CIRCUMSTANCES LEADING TO THE RELEASE, WHAT ACTIONS WERE TAKEN TO MITIGATE EFFECTS OF THE RELEASE, AND STEPS TAKEN TO MINIMIZE THE CHANCE OF FUTURE OCCURRENCES WILL BE SUBMITTED TO THE APPROPRIATE TDEC ENVIRONMENTAL FIELD OFFICE WITHIN 2 WEEKS OF KNOWLEDGE OF THE RELEASE.

12.5.4. THE SWPPP MUST BE MODIFIED WITHIN 2 WEEKS OF KNOWLEDGE OF THE RELEASE PROVIDING A DESCRIPTION OF THE RELEASE, CIRCUMSTANCES LEADING TO THE RELEASE, AND THE DATE OF RELEASE. THE SWPPP WILL BE REVIEWED AND MODIFIED AS NECESSARY TO IDENTIFY MEASURES TO PREVENT THE REOCCURRENCE OF SUCH RELEASES AND TO RESPOND TO SUCH RELEASES.

13. RECORD-KEEPING

13.1. REQUIRED RECORDS

TDOT OR THEIR DULY AUTHORIZED REPRESENTATIVE WILL MAINTAIN AT THE SITE THE FOLLOWING RECORDS OF CONSTRUCTION ACTIVITIES (7.2.1.) (7.2.1.):

13.1.1. THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR.

13.1.2. THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE.

13.1.3. THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.

13.1.4. RECORDS EPSC INSPECTION REPORTS AND CORRECTIVE MEASURES.

13.1.5. RECORDS OF QUALITY ASSURANCE SITE ASSESSMENTS.

13.1.6. COPY OF SITE EPSC INSPECTOR'S CERTIFICATION AND/OR LICENSING

13.1.7. A COPY OF ANY REGULATORY CORRESPONDENCE REGARDING THE EFFECTIVENESS OF THE SWPPP OR EPSC CONTROLS.

13.2. RAINFALL MONITORING PLAN (7.2.1.):

13.2.1. EQUIPMENT

AT A MINIMUM, THE CONTRACTOR WILL INSTALL A FENCE POST TYPE RAIN GAUGE TO MEASURE RAINFALL. THE STANDARD FENCE POST RAIN GAUGE WILL BE A WEDGE-SHAPED GAUGE THAT MEASURES UP TO 6 INCHES OF RAINFALL. AN ENGLISH SCALE WILL BE PROVIDED ON ONE FACE, WITH A METRIC SCALE ON THE OTHER FACE. GRADUATION WILL BE PERMANENTLY MOLDED IN DURABLE WEATHER-RESISTANT PLASTIC. THE MINIMUM GRADUATION WILL BE 0.01 INCH (OR 0.1MM). AN ALUMINUM BRACKET WITH SCREWS MAY BE USED TO MOUNT THE GAUGE ON A WOODEN SUPPORT.

13.2.2. LOCATION

THE RAIN GAUGE WILL BE LOCATED AT OR ALONG THE PROJECT SITE, AS DEFINED IN THE NOI OF THE NPDES PERMIT, IN AN OPEN AREA SUCH THAT THE MEASUREMENT WILL NOT BE INFLUENCED BY OUTSIDE FACTORS (I.E. OVERHANGS, GUTTER, TREES, ETC.). AT LEAST ONE RAIN GAUGE PER LINEAR MILE IS REQUIRED ALONG (AS MEASURED ALONG THE CENTERLINE OF THE PRIMARY ALIGNMENT) THE PROJECT WHERE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING IS ACTIVELY PERFORMED, OR EXPOSED SOIL HAS NOT YET BEEN PERMANENTLY STABILIZED.

13.2.3. METHODS

RAINFALL MONITORING WILL BE INITIATED PRIOR TO CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING, OR FILLING, EXCEPT AS SUCH MINIMAL CLEARING MAY BE NECESSARY TO INSTALL A RAIN GAUGE IN AN OPEN AREA. THE RAIN GAUGE WILL BE CHECKED FOR OPERATIONAL SOUNDNESS DAILY (DURING NORMAL BUSINESS HOURS) IN WET TIMES AND WEEKLY IN DRY TIMES. GAUGES WILL BE REPAIRED OR REPLACED ON THE SAME DAY IF FOUND TO BE NON-OPERATIONAL OR MISSING.

13.2.4. EACH RAIN GAUGE WILL BE READ (FOR DETAILED RECORDS OF RAINFALL) AND EMPTIED AFTER EVERY RAINFALL EVENT OCCURRING ON THE PROJECT SITE AT APPROXIMATELY THE SAME TIME OF THE DAY (DURING NORMAL BUSINESS HOURS). DURING PERIODS OF DRY CONDITIONS, IT WILL NOT BE NECESSARY TO READ THE RAIN GAUGE EVERY DAY. IN LIEU OF THIS REQUIREMENT ON WEEKENDS AND ON STATE HOLIDAYS, THE RAIN GAUGES CAN BE EMPTIED THE NEXT BUSINESS DAY AND A REFERENCE SITE USED FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION FOR THOSE DAYS. A REFERENCE SITE IS THE DOCUMENTATION FROM THE CLOSEST GAUGE WITHIN PROXIMITY OF THE PROJECT FROM A RECOGNIZED SOURCE SUCH AS THE NOAA NATIONAL WEATHER SERVICE.

13.2.5. DETAILED RECORDS WILL BE RECORDED OF RAINFALL EVENTS INCLUDE DATES, AMOUNTS OF RAINFALL, AND THE APPROXIMATE DURATION (OR THE STARTING AND ENDING TIMES). THE RAINFALL RECORDS SHALL BE RECORDED ON THE TDOT RAINFALL RECORD SHEET AND SHALL BE MAINTAINED IN THE "DOCUMENTATION AND PERMITS" BINDER.

13.2.6. IF THE RAINFALL EVENT IS STILL IN PROGRESS AT THE DAILY RECORDING TIME, THE GAUGE WILL BE EMPTIED AND THE RECORD WILL INDICATE THAT THE STORM EVENT WAS STILL IN PROGRESS.

13.2.7. RAIN GAUGE INFORMATION (DETAILED RECORDS), INCLUDING THE LOCATION OF THE NEAREST OUTFALL, WILL BE RECORDED ON THE EPSC INSPECTION REPORT FORMS AT THE TIME OF MEASUREMENT.

13.3. KEEPING PLANS CURRENT (5.4.)

13.3.1. THE EPSC PLAN IS TO SERVE AS AN INITIAL GUIDE FOR SITE PERSONNEL AS THE CONSTRUCTION PROCESS DEVELOPS. IT MUST BE AMENDED, MODIFIED, AND UPDATED WHENEVER EPSC INSPECTIONS INDICATE, OR WHERE STATE OR FEDERAL REGULATORY OFFICIALS DETERMINE EPSC MEASURES ARE PROVING INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANT SOURCES OR ARE OTHERWISE NOT ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY.

13.3.2. THE STAGES DEPICTED WITHIN THE EPSC PLANS MAY NOT COINCIDE WITH THE ACTUAL STAGES OF CONSTRUCTION ESTABLISHED BY THE CONTRACTOR DURING CONSTRUCTION, THUS MODIFICATIONS WILL BE REQUIRED TO ENSURE THE EPSC PLAN IS MAINTAINED TO DEPICT CURRENT SITE CONDITIONS. IT SHOULD BE MAINTAINED SUCH THAT IT WILL ALWAYS REFLECT THE MEASURES THAT ARE INSTALLED DURING THE VARIOUS STAGES OF CONSTRUCTION. IT IS IMPRACTICAL TO DETERMINE ALL THE INTERMEDIATE STAGES OF CONSTRUCTION THAT WILL OCCUR, THUS THESE DOCUMENTS MUST BE UPDATED THROUGHOUT THE LIFE OF THE CONSTRUCTION PROJECT.

13.3.3. THE TDOT EPSC INSPECTOR OR THEIR DULY AUTHORIZED REPRESENTATIVE WILL MODIFY AND UPDATE THE SWPPP WHEN ANY OF THE FOLLOWING CONDITIONS APPLY:

13.3.3.1. WHENEVER THERE IS A CHANGE IN THE SCOPE OF THE PROJECT THAT WOULD BE EXPECTED TO HAVE A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE STATE AND WHICH HAS NOT OTHERWISE BEEN ADDRESSED IN THE SWPPP;

13.3.3.2. WHENEVER INSPECTIONS OR INVESTIGATIONS BY SITE OPERATORS, LOCAL, STATE, OR FEDERAL OFFICIALS INDICATE THE SWPPP IS PROVING INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS FROM CONSTRUCTION ACTIVITY SOURCES, OR IS OTHERWISE NOT ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY; WHERE LOCAL, STATE, OR FEDERAL OFFICIALS DETERMINE THAT THE SWPPP IS INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANT SOURCES, A COPY OF ANY CORRESPONDENCE TO THAT EFFECT MUST BE RETAINED IN THE SWPPP;

13.3.3.3. WHEN ANY NEW OPERATOR AND/OR SUB-OPERATOR IS ASSIGNED OR RELIEVED OF THEIR RESPONSIBILITY TO IMPLEMENT A PORTION OF THE SWPPP;

13.3.3.4. TO PREVENT A NEGATIVE IMPACT TO LEGALLY PROTECTED STATE OR FEDERALLY LISTED OR PROPOSED THREATENED OR ENDANGERED AQUATIC FAUNA;

13.3.3.5. WHEN THERE IS A CHANGE IN CHEMICAL TREATMENT METHODS INCLUDING: USE OF DIFFERENT TREATMENT CHEMICALS, DIFFERENT DOSAGE OR APPLICATION RATES OR A DIFFERENT AREA OF APPLICATION NOT SPECIFIED ON THE EPSC PLANS.

13.3.3.6. ALL SWPPP REVISION(S) SHALL BE RECORDED WITHIN 1 WEEK BY THE PROJECT EPSC INSPECTOR.

13.3.3.7. WHEN A TMDL IS DEVELOPED FOR THE RECEIVING WATERS FOR A POLLUTANT OF CONCERN (SILTATION AND/OR HABITAT ALTERATION), CONSTRUCTION SHALL NOTIFY THE PERMITS SECTION FOR PROPER COORDINATION.

13.4. MAKING PLANS ACCESSIBLE

13.4.1. TDOT WILL RETAIN A COPY OF THIS SWPPP (INCLUDING A COPY OF THE "DOCUMENTATION AND PERMITS" BINDER AT THE CONSTRUCTION SITE (OR OTHER LOCATION ACCESSIBLE TO TDEC AND THE PUBLIC) FROM THE DATE CONSTRUCTION COMMENCES TO THE DATE OF PERMANENT STABILIZATION. TDOT WILL HAVE A COPY OF THE SWPPP AVAILABLE AT THE LOCATION WHERE WORK IS OCCURRING ON-SITE FOR THE USE OF OPERATORS AND THOSE IDENTIFIED AS HAVING RESPONSIBILITIES UNDER THE SWPPP WHENEVER THEY ARE ON THE CONSTRUCTION SITE (7.2.).

13.4.2. PRIOR TO THE INITIATION OF LAND DISTURBING ACTIVITIES AND UNTIL THE SITE HAS MET THE PERMANENT STABILIZATION CRITERIA, TDOT OR THEIR DULY AUTHORIZED REPRESENTATIVE WILL POST A NOTICE NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE WITH THE FOLLOWING INFORMATION (5.3.4.) (7.2.1.):

13.4.2.1. A COPY OF THE NOTICE OF COVERAGE (NOC) WITH THE NPDES PERMIT NUMBER FOR THE PROJECT;

13.4.2.2. THE INDIVIDUAL NAME, COMPANY NAME, E-MAIL ADDRESS (IF APPLICABLE) AND TELEPHONE NUMBER OF THE LOCAL PROJECT SITE OWNER AND OPERATOR CONTACT;

13.4.2.3. A BRIEF DESCRIPTION OF THE PROJECT; AND

13.4.2.4. THE LOCATION OF THE SWPPP.

13.4.3. ALL INFORMATION DESCRIBED IN SECTION 13.4.2 MUST BE MAINTAINED IN LEGIBLE CONDITION. IF POSTING THIS INFORMATION NEAR A MAIN ENTRANCE IS INFEASIBLE DUE TO SAFETY CONCERNS, THE NOTICE SHALL BE POSTED IN A LOCAL BUILDING. THE NOTICE MUST BE PLACED IN A PUBLICLY ACCESSIBLE LOCATION WHERE CONSTRUCTION IS ACTIVELY UNDERWAY AND MOVED AS NECESSARY.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

13.5. NOTICE OF TERMINATION (9.0.)

13.5.1. WHEN ALL STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES THAT ARE AUTHORIZED BY THE PERMIT ARE ELIMINATED BY PERMANENT STABILIZATION, THE TDOT REGIONAL ENGINEER WILL SUBMIT A NOTICE OF TERMINATION (NOT) THAT IS SIGNED IN ACCORDANCE WITH THE PERMIT TO THE TDEC CENTRAL OFFICE IN NASHVILLE, TN.

13.5.2. FOR THE PURPOSES OF THE CERTIFICATION REQUIRED BY THE NOT, THE ELIMINATION OF STORMWATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY MEANS THE

13.5.2.1. ALL EARTH-DISTURBING ACTIVITIES ON THE SITE ARE COMPLETED AND ALL DISTURBED SOILS AT THE PORTION OF THE CONSTRUCTION SITE WHERE THE OPERATOR HAD CONTROL HAVE BEEN PERMANENTLY STABILIZED; AND

13.5.2.2. ALL CONSTRUCTION MATERIALS, WASTE AND WASTE HANDLING DEVICES, AND ALL EQUIPMENT, AND VEHICLES THAT WERE USED DURING CONSTRUCTION HAVE BEEN REMOVED AND PROPERLY DISPOSED; AND

13.5.2.3. ALL STORMWATER CONTROLS THAT WERE INSTALLED AND MAINTAINED DURING CONSTRUCTION, EXCEPT THOSE THAT ARE INTENDED FOR LONG-TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE, HAVE BEEN REMOVED; AND

13.5.2.4. ALL POTENTIAL POLLUTANTS AND POLLUTANT GENERATING ACTIVITIES ASSOCIATED WITH CONSTRUCTION HAVE BEEN REMOVED; AND

13.5.2.5. THE PERMITTEE HAS IDENTIFIED WHO IS RESPONSIBLE FOR ONGOING MAINTENANCE OF ANY STORMWATER CONTROLS LEFT ON THE SITE FOR LONG-TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE; AND

13.5.2.6. TEMPORARY EPSC MEASURES HAVE BEEN OR WILL BE REMOVED AT AN APPROPRIATE TIME TO ENSURE PERMANENT STABILIZATION IS MAINTAINED; AND

13.5.2.7. ALL STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES FROM THE IDENTIFIED SITE THAT ARE AUTHORIZED BY A NPDES GENERAL PERMIT HAVE OTHERWISE BEEN ELIMINATED FROM THE PORTION OF THE CONSTRUCTION SITE WHERE THE OPERATOR HAD CONTROL.

13.6. RETENTION OF RECORDS (7.1.)

TDOT WILL RETAIN COPIES OF THE SWPPP, ALL REPORTS REQUIRED BY THE PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT FOR THE PROJECT FOR A PERIOD OF AT LEAST THREE (3) YEARS FROM THE DATE THE NOT WAS FILED.

14. SITE WIDE/PRIMARY PERMITTEE CERTIFICATION (8.7.5.)

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED BY ME, OR UNDER MY DIRECTION OR SUPERVISION. THE SUBMITTED INFORMATION IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. AS SPECIFIED IN TENNESSEE CODE ANNOTATED SECTION 39-16-702(a)(4), THIS DECLARATION IS MADE UNDER PENALTY OF PERJURY.

Anthony R. Myers — Digitally signed by Anthony Myers Date: 2026.01.14 14:30:04 -06'00'

AUTHORIZED TDOT PERSONNEL SIGNATURE (5.3.3.)

Anthony Myers

PRINTED NAME

Transportation Manager

TITLE

01/14/2026

DATE

15. SECONDARY PERMITTEE (OPERATOR) CERTIFICATION (8.7.6.)

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE REVIEWED THIS DOCUMENT, ANY ATTACHMENTS, AND THE SWPPP REFERENCED ABOVE. BASED ON MY INQUIRY OF THE CONSTRUCTION SITE OWNER/DEVELOPER IDENTIFIED ABOVE AND/OR MY INQUIRY OF THE PERSON DIRECTLY RESPONSIBLE FOR ASSEMBLING THIS NOI AND SWPPP, I BELIEVE THE INFORMATION SUBMITTED IS ACCURATE. I AM AWARE THAT THIS NOI, IF APPROVED, MAKES THE ABOVE-DESCRIBED CONSTRUCTION ACTIVITY SUBJECT TO NPDES PERMIT NUMBER TNR100000, AND THAT CERTAIN OF MY ACTIVITIES ONSITE ARE THEREBY REGULATED. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS, AND FOR FAILURE TO COMPLY WITH THESE PERMIT REQUIREMENTS. AS SPECIFIED IN TENNESSEE CODE ANNOTATED SECTION 39-16-702(a)(4), THIS DECLARATION IS MADE UNDER PENALTY OF PERJURY.

AUTHORIZED CONTRACTOR PERSONNEL SIGNATURE (5.3.3.)

PRINTED NAME

TITLE

DATE

16. ENVIRONMENTAL PERMITS (1.5.2.)

LIST ALL ENVIRONMENTAL PERMITS AND EXPIRATION DATES FOR PROJECT **(TO BE COMPLETED AT THE ENVIRONMENTAL PRECONSTRUCTION MEETING BY TDOT CONSTRUCTION OR THEIR DULY AUTHORIZED REPRESENTATIVE)**:

ENVIRONMENTAL PERMITS			
PERMIT	**YES OR NO**	**PERMIT OR TRACKING NO.**	**EXPIRATION DATE***
TDEC ARAP	YES		
CORPS OF ENGINEERS (USACE)	YES		
TVA 26A	NO		
TDEC CGP	YES		
OTHER:	N/A		

*THE TDOT ENVIRONMENTAL DIVISION MUST BE NOTIFIED SIX MONTHS PRIOR TO PERMIT EXPIRATION DATE.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	94004-3234-04	
PS&E	2026	94004-3234-04	S-8

17. OUTFALL TABLE (5.5.1.c, 6.4.1.e, 6.4.1.f)

OUTFALL LABEL	SUB OUT-FALL	STATION CL, LT OR RT	SLOPE WITHIN ROW (%)	STAGE 1 DRAINAGE AREA (AC)	STAGE 2 DRAINAGE AREA (AC)	STAGE 3 DRAINAGE AREA (AC)	SEDIMENT BASIN OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	SEDIMENT TRAP OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	RECEIVING RESOURCE (TDOT EBR LABEL) OR OTHER	COMMENTS
OUT-1		102+67.35, 45.10' LT	2.70	0.80			N/A	N/A	HARPETH RIVER	THE PLANS SHOW THAT THE TOTAL DRAINAGE AREA FOR OUT-1 IS 19.38 AC; HOWEVER, 18.58 AC OF THE TOTAL DRAINAGE AREA WILL BE CLEAN BYPASS FLOW.
	OUT-1A	100+67.74, 28.38' LT	1.87	0.10			N/A	N/A	HARPETH RIVER	
	OUT-1B	100+67.74, 28.38' RT	1.36	0.15			N/A	N/A	HARPETH RIVER	
	OUT-1C	101+94.20, 16.25' RT	1.16	0.37			N/A	N/A	HARPETH RIVER	
	OUT-1D	102+00.00, 21.69' LT	1.29	0.18			N/A	N/A	HARPETH RIVER	
	OUT-1E	102+00.00, 39.13' LT	1.29	1.18			N/A	N/A	HARPETH RIVER	
OUT-2		105+21.93, 90.16' LT	6.77	0.61	0.61		N/A	N/A	HARPETH RIVER	
OUT-3		105+28.53, 83.49' RT	5.12	0.67	0.67		N/A	N/A	HARPETH RIVER	
OUT-4		102+67.35, 45.10' LT	2.70		0.80	0.80	N/A	N/A	HARPETH RIVER	THE PLANS SHOW THAT THE TOTAL DRAINAGE AREA FOR OUT-1 IS 19.38 AC; HOWEVER, 18.58 AC OF THE TOTAL DRAINAGE AREA WILL BE CLEAN BYPASS FLOW.
	OUT-4A	100+67.74, 28.38' LT	1.87		0.10	0.10	N/A	N/A	HARPETH RIVER	
	OUT-4B	100+67.74, 28.38' RT	1.36		0.15	0.15	N/A	N/A	HARPETH RIVER	
	OUT-4C	101+94.20, 16.25' RT	1.16		0.37	0.37	N/A	N/A	HARPETH RIVER	
	OUT-4D	102+00.00, 21.69' LT	1.29		0.18	0.18	N/A	N/A	HARPETH RIVER	
	OUT-4E	102+00.00, 39.13' LT	1.29		1.18	1.18	N/A	N/A	HARPETH RIVER	

ALL UNUSED FIELDS WITHIN THE OUTFALL TABLE ARE TO BE SHADED, HATCHED, OR REMOVED TO INDICATE THEIR NON-USAGE.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

TENN.	YEAR	SHEET NO.
	2026	U1-1
STATE PROJ. NO.	94004-3234-04	

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

WILLIAMSON COUNTY

STATE ROUTE 6 (EAST MAIN STREET)
BRIDGE OVER HARPETH RIVER

STATE HIGHWAY NO. 6 F.A.H.S. NO. 31

Index Of Sheets	
SHEET NAME	SHEET NUMBER
UTILITIES INDEX, UTILITIES OWNERS AND UTILITY SHEETS	U1-1 THRU U1-2
AT&T	U2-1 THRU U2-6
CITY OF FRANKLIN SEWER	U3-1 THRU U3-6
CITY OF FRANKLIN WATER	U4-1 THRU U4-7
MIDDLE TENNESSEE ELECTRIC	U5-1 THRU U5-3

REFER TO THE INDEX OF SHEETS FOR THE MOVE IN STATE UTILITIES FOR AT&T, MIDDLE TENNESSEE ELECTRIC, AND CITY OF FRANKLIN WATER & SEWER. NO OTHER UTILITIES ARE IN CONFLICT WITH THIS PROJECT.

STANDARD LEGEND

EXISTING UTILITES

POWER — — P — — — — — —
TELEPHONE — — T — — — — — —
WATER — — W — — — — — —
CABLE TV — — C — — — — — —
SANITARY SEWER — — SA — — — —
UNDERGROUND TELEPHONE — — T (UG) — —
GAS — — G — — — — — —
FORCE MAIN SEWER — — FMS — — — —
UNDERGROUND POWER — — P (UG) — —
UNDERGROUND FIBER OPTIC — — F (UG) — —

POWER POLE
TELEPHONE POLE
POWER/TELEPHONE POLE
MANHOLE
WATER METER W.M.
WATER VALVE W.V.
LIGHT POLE

PROPOSED UTILITIES & MODIFICATIONS

POWER — P —
UNDERGROUND POWER — P (UG) —
TELEPHONE — T (UG) —
WATER — W —
CABLE TV — C —
SANITARY SEWER — SA —
UNDERGROUND TELEPHONE (UG)
GAS — GAS —
FORCE MAIN SEWER — FMS —
UNDERGROUND FIBER OPTIC — F (UG) —
EX. WATER LINE (RETIRED IN PLACE) — 6" W RIP —
EX.GAS LINE (RETIRED IN PLACE) — 8" G RIP —
EX.SEWER LINE (RETIRED IN PLACE) — 8" FMS RIP —
EX.TELEPHONE LINE (RETIRED IN PLACE) — T(UG) RIP —

POWER POLE ● P
TELEPHONE POLE ● T
WATER METER ■ W.M.
(R) REMOVE
(RIP) RETIRE IN PLACE

UTILITY OWNERS AND CONTACTS:

TELEPHONE:	AT&T 116 SOUTH CANNON AVENUE MURFREESBORO, TN 37129 LEE KORNEGAY KK4096@ATT.COM C: 615-631-7221	WATER SEWER:	CITY OF FRANKLIN WATER & SEWER 109 3RD AVENUE SOUTH FRANKLIN, TN 37065 PATRICIA MCNEESE PATRICIA.MCNEESE@FRANKLINTN.GOV O: 615-550-6674	FIBER OPTIC:	UNITI 658 TREE FARM RD LINDEN, TN 37096 TOMMY RAYFIELD TOMMY.RAYFIELD@UNITI.COM C: 931-994-1249
GAS:	ATMOS ENERGY 810 CRESCENT CENTER DR. S-600 FRANKLIN, TN 37067 TERI LABELLA TERI.LABELLA@ATMOSENERGY.COM C: 615-418-6699	FIBER OPTIC:	XO COMMUNICATIONS (VERIZON) 575 HICKORY HILLS BLVD WHITES CREEK, TN 37189 MICHAEL WEAVER MICHAEL.WEAVER@VERIZON.COM C: 615-218-0656	FIBER OPTIC:	GOOGLE FIBER 1101 MCGAVOCK ST NASHVILLE, TN 37203 JOSH DAY JOSHUADAY@GOOGLE.COM O: 615-962-4402
ELECTRIC:	MIDDLE TENNESSEE ELECTRIC 555 NEW SALEM ROAD MURFREESBORO, TN 37129 CHRISTOPHER WEAVER CHRISWEAVER@MTE.COM O: 615-494-1068	FIBER OPTIC:	LUMEN 2530 PERIMETER PLACE DRIVE NASHVILLE, TN 37214 MIKE SCHRYER MICHAEL.SCHRYER@LUMEN.COM C: 931-580-4648		

SPECIAL NOTES

SOME UTILITIES CAN BE LOCATED BY CALLING THE TENNESEE ONE CALL SYSTEM, INC. AT 1-800-351-1111

NOTE TO CONTRACTORS

CONTRACTOR TO FOLLOW ALL ADA RULES PERTAINING TO SIDEWALKS.

2/12/2026 12:34:34 PM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U1-2

U1 SHEETS
DATE: FEBRUARY 10, 2026

EXISTING TO REMAIN UTILITIES
EXISTING TO BE RETIRED UTILITIES
PROPOSED UTILITIES
TEMPORARY WORK
PROPOSED STORM

REFERENCE FILES:
TDOT DGNS:
PS&E FIELD REVIEW 01/08/2026

BEGIN PROJECT NO. 94004-2234-04 R.O.W.
SR6 STA. 102+95.19
N 581284.3148' E 1712268.9845'

END PROJECT NO. 94004-2234-04 R.O.W.
STA. 108+16.00 SR6
N 581781.0239 E 1712425.5178

SEALED BY

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY SHEET

STA. 100+00.00 TO STA. 112+00.00
SCALE: 1" = 50'

3/23/2026 2:59:11 PM
G:\25-02161\1-TRANSPORTATION\UTILITY DECONFLICTION\PLAN SHEETS\SR-6 - U1-2 - PLAN.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U2-1

AT&T REVISION 1/30/26:
UPDATED ESTIMATED MATERIAL QUANTITIES.

Federal Project No.: N/A
State Project No.: 94004-3234-04
Route: SR-6 (East Main St), Bridge over Harpeth River
County: Williamson
Submitted By: Kenneth Kornegay (AT&T), Ted Archie (NextEra Consultants, LLC)
Utility Office Contact: Kenneth Kornegay

Index Of Sheets

SHEET NO. DESCRIPTION

U2-1 ..... COVER SHEET
U2-2 - U2-3 ..... SPECIFICATIONS
U2-4..... PROPOSED LAYOUT
U2-5..... BRIDGE HANGER SYSTEM LAYOUT
U2-6..... MANHOLE SPECIFICATIONS AND DETAILS

ESTIMATED UTILITY QUANTITIES

TELEPHONE QUANTITIES — 100% PROJ / 0% UTILITY

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY	FOOTNOTE NUMBER	BUY AMERICA DESIGNATION
	793-01.12	POLE 40FT CLASS 4 WOOD	EACH	2	1	N/A
	793-01.25	POLE 55FT CLASS 3 WOOD	EACH	1	1	N/A
	793-01.41	ANCHOR 1IN	EACH	2	2	BA
	793-11.17	COMPOSITE HANDHOLE 5FTX3FTX3FT	EACH	1	13	N/A-MISC
(1/30/26)	793-13.07	4IN SCHEDULE 40 PVC	L.F.	1,868	15	N/A
	793-13.11	1 DUCT FORMATION @ 24IN DEPTH	L.F.	44	16	N/A
	793-13.27	4 DUCT FORMATION @ 36IN DEPTH	L.F.	176	16	N/A
	793-14.03	MH PRECAST 6-FT W X 12-FT L X 7-FT H	EACH	1	17	BAR
	793-14.09	BRIDGE CONDUIT HANGER SYSTEM	LS	1	23	BA
	793-14.20	PLACE MANHOLE OVER EXISTING CABLE	EACH	1	3	BAR
	793-98.04	REMOVE POLES ALL SIZES	EACH	3	22	N/A

FOOTNOTE 1:
INCLUDES ALL MATERIALS, LABOR, EQUIPMENT FOR COMPLETE INSTALLATION INCLUDING BUT NOT LIMITED TO BUTT WRAP, MGNV, GROUND ROD, DIG HOLE, TAMP, BLASTING, AND NUMBER POLE.
FOOTNOTE 2:
INCLUDES ALL MATERIALS, LABOR, EQUIPMENT FOR COMPLETE INSTALLATION INCLUDING BUT NOT LIMITED TO DIGGING HOLE, BLASTING OR MECHANIC*ALLY INSERTING INTO GROUND, BONDING/GROUNDING.
FOOTNOTE 3:
INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT INCLUDING BUT NOT LIMITED TO BACKFILL PER SPECIFICATIONS, SURFACE RESTORATION OF ALL CROSSINGS TO TDOT STANDARDS, SET UP AND TRAFFIC CONTROL.
FOOTNOTE 4:
INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO TRAFFIC CONTROL, BONDING/GROUNDING, AND TENSIONING.
FOOTNOTE 5:
INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO HARDWARE, TENSIONING, FUSING, TERMINATION AT THE POLE AND CUSTOMER, NETWORK INTERFACE.
FOOTNOTE 6:
INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL, MOUNTING HARDWARE, BONDING/GROUNDING AND SPLICING.
FOOTNOTE 7:
INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO CABLE GUARD, PIT, OTHER TERMINATION HARDWARE, TRAFFIC CONTROL AND SETUP.
FOOTNOTE 8:
INCLUDES ALL MATERIALS AND EQUIPMENT INCLUDING BUT NOT LIMITED TO MOUNTING HARDWARE, BONDING/GROUNDING, STRAND SIZE AS INDICATED IN SPECS., AND LOOPS.
FOOTNOTE 9:
INCLUDES ALL LABOR INCLUDING TRAFFIC CONTROL AND SETUP, REMOVAL OF LID AND COLLARS, BACKFILL WITH GRAVEL.
FOOTNOTE 10:
INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO LOOP UPS, DRIVEWAY/ROADWAY RESTORATION TO TDOT STANDARDS, TRAFFIC CONTROL AND SAFETY.
FOOTNOTE 11:
INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO PLACEMENT OVER CABLE, PEST CONTROL, GRAVEL, BONDING/GROUNDING, IDENTIFYING THE PED, TERMINAL , TRAFFIC CONTROL AND SETUP.
FOOTNOTE 12:
INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO HARDWARE, FUSING, TERMINATION AT THE POLE AND CUSTOMER, NETWORK INTERFACE, TRAFFIC CONTROL AND SETUP.
FOOTNOTE 13:
INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO DIGGING HOLE, PLACING HANDHOLE, TERMINATING CONDUIT, RESTORING SURFACE TO TDOT STANDARDS, TRAFFIC CONTROL AND SETUP.
FOOTNOTE 14:
PLACED OPEN TRENCH METHOD.
FOOTNOTE 15:
INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO SETUP, BENDS, AND TRAFFIC CONTROL.
FOOTNOTE 16:
INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO SPACERS, COUPLINGS, BENDS, OPENING TRENCH, BACKFILL PER SPECS, SURFACE RESTORATION OF ALL CROSSINGS TO TDOT STANDARDS, SETUP, TRAFFIC CONTROL.
FOOTNOTE 17:
INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO DIGGING HOLE, GRAVEL BASE, BACKFILL, AND SURFACE RESTORATION TO TDOT STANDARDS, FRAME AND COVER, SETUP AND TRAFFIC CONTROL.
FOOTNOTE 18:
INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL, RODDING DUCT AND PULLING IN INNERDUCT.
FOOTNOTE 19:
INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL, BORE PIT AND RECEIVING PIT AT ANY DEPTH.
FOOTNOTE 20:
INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL, TO REMOVE AND RESTORE SURFACE TO TDOT STANDARDS.
FOOTNOTE 21:
INCLUDES BORE PIT, SET UP, TRAFFIC CONTROL, ANY DEPTH.
FOOTNOTE 22:
INCLUDES LABOR, EQUIPMENT AND TRAFFIC CONTROL.
FOOTNOTE 23:
INCLUDES INSERTS, HANGER RODS, BRACKETS, NUTS, WASHERS, BRACING, EXPANSION JOINTS, GALVANIZED PIPE.
FOOTNOTE 24:
INCLUDES PIPE, SETUP, CABLE LOCATION, AND BORING.

BUY AMERICA DESIGNATION LEGEND

N/A .... NOT APPLICABLE TO BUY AMERICA. LESS THAN 90% STEEL OR IRON CONTENT WHEN DELIVERED TO THE JOB SITE FOR INSTALLATION.
MISC ... MISCELLANEOUS COMPONENTS AND HARDWARE SUCH AS CABINETS, COVERS, SHELVES, CLAMPS, FITTINGS, SLEAVES, WASHERS, BOLTS, NUTS, SCREWS, TIE WIRE, SPACERS, CHAIRS, ETC.
BA ..... BUY AMERICA. CERTIFICATION IS REQUIRED FOR ALL STRUCTURAL STEEL OR IRON COMPONENTS FOR ITEM, MISCELLANEOUS COMPONENTS, SUBCOMPONENTS AND HARDWARE NECESSARY TO ENCASE, ASSEMBLE AND CONSTRUCT DO NOT REQUIRE CERTIFICATION.
BAR..... BUY AMERICA. CERTIFICATION REQUIRED FOR ALL STEEL OR IRON COMPONENTS OF PRECAST CONCRETE PRODUCTS CONTAINS REINFORCING STEEL, WIRE MESH, AND PRE-STRESSING OR POST-TENSIONING STRANDS AND CABLES.

at&t
Construction Work Drawing

PROPRIETARY INFORMATION
Not for disclosure outside AT&T or any of its subsidiaries except under written agreement

State: TENNESSEE
District: TN/KY WEST (MTN)
Exchange: FRKLTNMA

AT&T Designer: Kenneth Kornegay
Phone: (615) 848-2082
Consultant:
Nextera Consultants, LLC
Phone: (615) 708-7549
Ted Archie, Designer
Michael L. Cherry, P.E.

MICHAEL LEE CHERRY — REGISTERED ENGINEER — 102666 — STATE OF TENNESSEE — 01/30/26

Job Description:

RELOCATE AT&T FACILITES FOR S.R. 6 (EAST MAIN STREET), BRIDGE OVER HARPETH RIVER LM 12.51 (IA)

DWG U2-1 OF U2-6

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

AT&T COVER SHEET

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U2-2

GENERAL NOTES TO CONTRACTOR, SEE ATTACHED AT&T SPECIFICATIONS FOR ADDITIONAL DETAILS

DAMAGES TO EXISTING UTILITIES

REPAIRS AND/OR REPLACEMENTS TO ANY UTILITIES DAMAGED BY CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO ADDITIONAL PAYMENT WILL BE ALLOWED.

AERIAL CABLE & GUY WIRES

THESE FACILITIES WILL BE PLACED BY AT&T. ROAD CONTRACTOR IS TO PROVIDE AND PLACE ALL PROPOSED ANCHORS AND BURIED CONDUIT. REMOVAL OF TELEPHONE POLES IS ALSO INCLUDED. SEE THE POWER COMPANY DESIGN LAYOUT FOR PROPOSED POLE LOCATIONS AND POLE REMOVALS UNLESS SPECIFIED ON THESE DRAWINGS.

STAKING PROPOSED FACILITIES

NOTIFY LEE KORNEGAY @ (615) 848-2082 TWO WEEKS IN ADVANCE FOR ARRANGEMENTS TO HAVE THE PROPOSED ANCHOR LOCATIONS STAKED. THE CONTRACTOR WILL NEED TO HAVE THE TDOT R.O.W. STAKED. ANY LINE-OF-SIGHT OBSTRUCTIONS MUST BE REMOVED FOR THE PROPOSED POLE LINE TO BE STAKED PROPERLY.

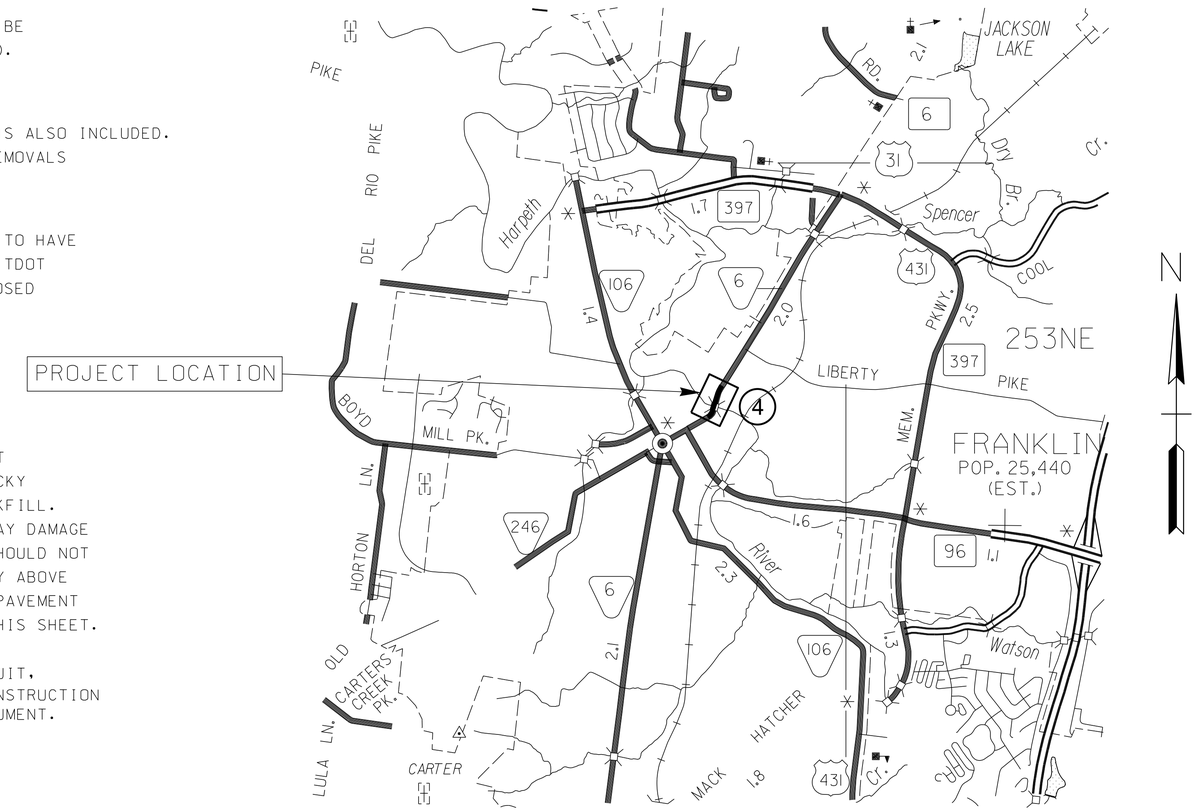
ANCHOR PLACEMENT GUIDELINES

SEE DETAILS SHEET U2-3 FOR PLACEMENT INSTRUCTIONS.

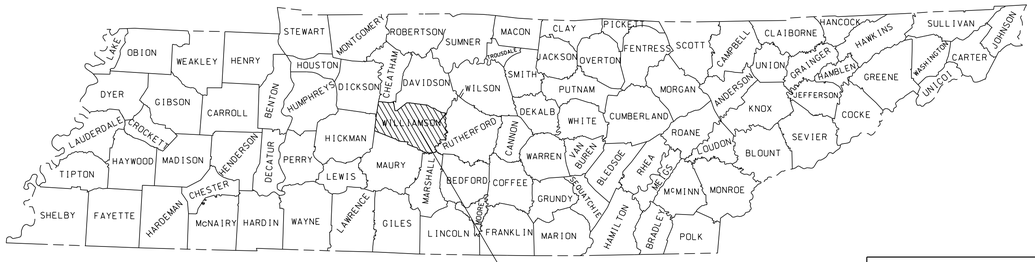
TRENCHING AND BURIED FACILITY PLACEMENT GUIDELINES

THE BOTTOM OF THE TRENCH SHOULD BE RELATIVELY SMOOTH, UNDISTURBED EARTH. IT SHOULD BE WELL TAMPED, OR IT CAN BE SAND. WHEN EXCAVATION IS IN ROCK OR ROCKY SOILS, THE CONDUIT SHOULD BE LAID ON A PROTECTIVE LAYER OF WELL-TAMPED BACKFILL. BACKFILL WITHIN 4 INCHES OF THE CONDUIT SHOULD BE FREE OF MATERIALS THAT MAY DAMAGE THE CONDUIT. BACKFILL SHOULD BE ADEQUATELY COMPACTED. MACHINE COMPACTION SHOULD NOT BE USED WITHIN 6 INCHES OF THE CONDUIT. THE FIRST 6 INCHES OF FILL DIRECTLY ABOVE THE CONDUIT MUST BE CLEAN SAND OR SOIL. THE FILL SHOULD BE FREE OF ROCKS, PAVEMENT AND FROZEN MATERIAL THAT MIGHT DAMAGE CONDUIT. SEE CONDUIT TRENCH DETAIL THIS SHEET. ALL REQUIRED BENDS MUST BE SWEEPING WITH NO LESS THAN 36 INCH RADIUS.

NOTE: THE CONDUIT DETAIL IS DEPTH FROM FINAL GRADE. WHEN PLACING THIS CONDUIT, IT IS THE ROAD BUILDER'S RESPONSIBILITY TO AVOID ALL CONFLICTS WITH THE CONSTRUCTION OF THIS ROAD PROJECT. ALSO, REFERENCE THE ATTACHED AT&T SPECIFICATIONS DOCUMENT.



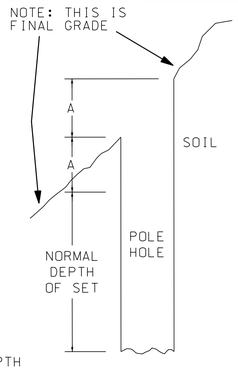
NOTE: ALL DETAILS AND NOTES ON THIS SHEET PROVIDED BY AT&T FOR USE ON THIS PROJECT



DETAIL--PLACE POLES

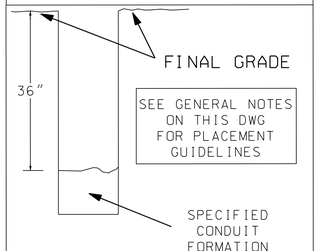
DEPTH OF SETTING HOLES (FINAL GRADE)

LENGTH OF POLE (FT)	DEPTH OF SET (FT) (FINAL GRADE)	
	FIRM EARTH	SOLID ROCK
20	4	3
25	5	3
30	5-1/2	3-1/2
35-40	6	4
45	6-1/2	4-1/2
50	7	4-1/2
55	7-1/2	5
60	8	5
65	8-1/2	6
70	9	6
75	9-1/2	6
80	10	7
85	10-1/2	7
90-100	11	7
105-125	12	8



IN SLOPING GROUND, INCREASE THE DEPTH OF SET BY AMOUNT A AS SHOWN

DETAIL--PLACE CONDUIT



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TENNESSEE
DIAL 811 or
1-800-351-1111
www.call811.com

TWO FULL BUS. DAYS BEFORE YOU DIG

IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION AS THE LOCATION OF UTILITIES SHOWN ON THIS PLAT ARE APPROXIMATE AND POSSIBLY INCOMPLETE. THEREFORE CERTIFICATION TO THE LOCATION OF ALL UNDERGROUND UTILITIES IS WITHHELD.

at&t
Construction Work Drawing

PROPRIETARY INFORMATION
Not for disclosure outside AT&T or any of its subsidiaries except under written agreement

State: TENNESSEE
District: TN/KY WEST (MTN)
Exchange: FRKLTNMA

AT&T Designer: Kenneth Kornegay
Phone: (615) 848-2082
Consultant:
Nextera Consultants, LLC
Phone: (615) 708-7549
Ted Archie, Designer
Michael L. Cherry, P.E.

MICHAEL LEE CHERRY
REGISTERED ENGINEER
No. 001155
01/31/22
STATE OF TENNESSEE

Job Description:

RELOCATE AT&T FACILITES FOR S.R. 6 (EAST MAIN STREET), BRIDGE OVER HARPETH RIVER LM 12.51 (IA)

DWG U2-2 OF U2-6

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

AT&T
SPECIFICATIONS

SCALE: N.T.S.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U2-3

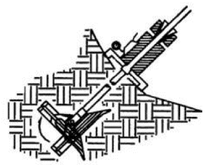
1. THREAD ANCHOR ROD INTO MANTA RAY

2. INSERT DRIVE STEEL INTO ANCHOR

3. POSITION ANCHOR AT PROPER LOCATION AND ANGLE

4. DRIVE ANCHOR TO PROPER DEPTH

5. REMOVE DRIVE STEEL



6. USE LOAD LOCKER TO PROOF ANCHOR INTO LOAD LOCK POSITION

Manta–Ray anchor specifications

The B drive type anchor in the MR "Manta-Ray" series is available in four different sizes for use in various soil conditions. The description of various soil classes is listed below.

- Class 1 - Extremely hard; bedrock.
- Class 2 - Very hard; dense clay, compact gravel, dense fine sand, laminated rock, slate, schist, sandstone.
- Class 3 - Hard; shale, broken bedrock, hardpan, compact clay-gravel mixture.
- Class 4 - Gravel, compact gravel and sand, claypan.
- Class 5 - Medium firm clay, loose sand and gravel, compact coarse sand.

The table below displays a description of the Manta-Ray anchor sizes, their holding capacities, and intended soil usage.

Reference: See BSP 621-415-205BT (B Drive Type Earth Anchor) for additional information about this topic.

Soil Class	Anchor Model	Rod Size	Marking	Eye Nut	Guy Loading
2	MR-1	1"	32M	Triple	Up to 32M
	MR-2	5/8"	12M	Double	Up to 12M
	MR-3	—	—	—	—
	MR-4	—	—	—	—
3	MR-1	1"	32M	Triple	Up to 32M
	MR-2	5/8"	12M	Double	Up to 12M
	MR-3	—	—	—	—
	MR-4	—	—	—	—
4	MR-1	1"	32M	Triple	Up to 32M
	MR-2	3/4"	18M	Double	Up to 18M
	MR-3	5/8"	6M	Double	Up to 6M
	MR-4	—	—	—	—
5	MR-1	1"	32M	Triple	Up to 32M
	MR-2	3/4"	18M	Double	Up to 18M
	MR-3	5/8"	6M	Double	Up to 6M
	MR-4	—	—	—	—

NOTE: ALL DETAILS AND NOTES ON THIS SHEET PROVIDED BY AT&T FOR USE ON THIS PROJECT

INSTALLATION EQUIPMENT
Drive Steel: Drive steel and accessories are available from Foresight Products for all Manta Ray and Stingray anchors in basic lengths of 3 feet, 6 feet, and 8 feet. Multiple sections are coupled together with specialized couplers to achieve the required depth of installation. Manta Ray and Stingray drive steel are not interchangeable.

Load Locking Kits For Manta Ray, the LL-1 is a 10-ton fast acting jack with an 8-inch stroke. The direct reading gauge and rod gripping jaws make load locking easy and quick. For high capacity Stingrays, the LL-40 is a 20-ton jack with a 10-inch stroke. The base and jack are self-aligning to the actual installed angle of the anchor. Both kits require open center hydraulic flow of 2 to 8 gallons per minute and a maximum pressure of 2,000 psi. A power supply is not included with these load-locking kits, it must be provided separately. Foresight Products models GPU18-8 or GPU-2 are suitable for the LL-1. GPU18-8 is required for the LL-40.

Manual Installation

UTILITY GUY ANCHORING SYSTEM: QUICK, EASY, SAFE INSTALLATION
Anchor rod is screwed into the threaded shackle of the anchor and the first section (radius drive tip) of the drive steel set is inserted into the anchor. One man at ground level using a standard jack hammer drives the MANTA RAY into the soil at the desired angle and depth. Installer pulls the drive steel out of the ground and screws adaptor setting bar onto the end of the anchor rod. Anchor locker base and hydraulic ram system are placed over adapter setting bar. Power source operates the anchor locker, gripping the adapter setting bar, rotating the anchor underground into its locked position, proof loading anchor to the holding capacity required. Anchor locker is removed, the thimble eye is screwed onto the anchor rod ready for guying. No digging, no damage, no mess. A clean, simple and safe operation.

HYDRAULIC POWERED ANCHOR LOCKERS: THE DISTINCT ADVANTAGE OF THE MANTA RAY SYSTEM - INSTALLATION AND TESTING ARE SIMULTANEOUS
Manufactured from high grade metals, sections of the drive steel are coupled together so that the driving operation can be accomplished safely from ground level. Anchor locker pulls up on the anchor to set it in the ground at the desired holding capacity. Portable and lightweight, the anchor locker consists of a base plate and hydraulic ram. Desired holding capacity is measured by the gauge on the anchor locker.

MANTA RAY INSTALLATION METHODS (MECHANIZED)
Vehicle Mounted Breakers or Compactors: Boom mounted demolitions or compactions are very effective for driving Manta Ray and Stingray anchors. This method requires a special tool in the breaker or a socket welded to the bottom of the compactor to hold the drive steel. Skid Steer Loaders, Loader-Backhoes or Excavators work well. 4,000 to 16,000 lb. Vehicles with 250 to 500 foot-pound pavement breakers are best for Manta Rays, and 16,000 to 30,000 lb. Vehicles with 500 to 1,000 foot-pound pavement breakers are best for Stingrays. Breaker tools and vibro sockets are available from Foresight Products. Rock Drills: Top Hammer or down-the-hole hammer rock drills are very effective for installation of Manta Ray and Stingray anchors. For hard soil or weak rock installations, the drill can be used to drill a pilot hole. Foresight can provide striker bar adapters for these types of drills. Rock drilling steel can also be modified to drive Manta Rays and Stingrays

MANTA RAY ANCHOR DRIVER
The MANTA RAY Anchor Driver was developed by Foresight Products, Inc. for large-scale projects including 360 degree horizontal and vertical applications requiring high-speed, efficient and repetitive anchor installations.
The MANTA RAY Anchor Driver can be installed on a wide range of commonly available construction vehicles: from medium skid steers to large excavators and backhoes.

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at&t
Construction Work Drawing

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District: TN/KY WEST (MTN)
Exchange: FRKLTNMA

AT&T Designer: Kenneth Kornegay
Phone: (615) 848-2082
Consultant:
Nextera Consultants, LLC
Phone: (615) 708-7549
Ted Archie, Designer
Michael L. Cherry, P.E.

MICHAEL LEE CHERRY
REGISTERED ENGINEER
COURTESY
No. 0011239
STATE OF TENNESSEE

Job Description:

RELOCATE AT&T FACILITES FOR S.R. 6 (EAST MAIN STREET), BRIDGE OVER HARPETH RIVER LM 12.51 (IA)

DWG U2-3 OF U2-6

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

AT&T
SPECIFICATIONS
SCALE: N.T.S.

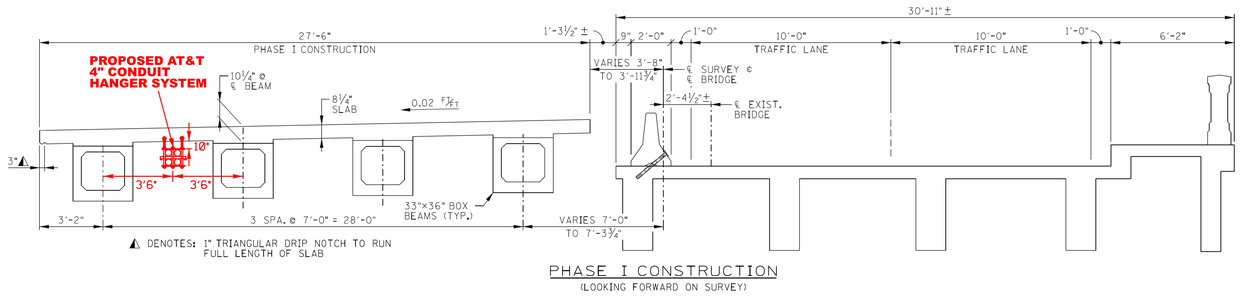
AT&T REVISION 1/30/26:
UPDATED BRIDGE HANGER DESIGN.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U2-4

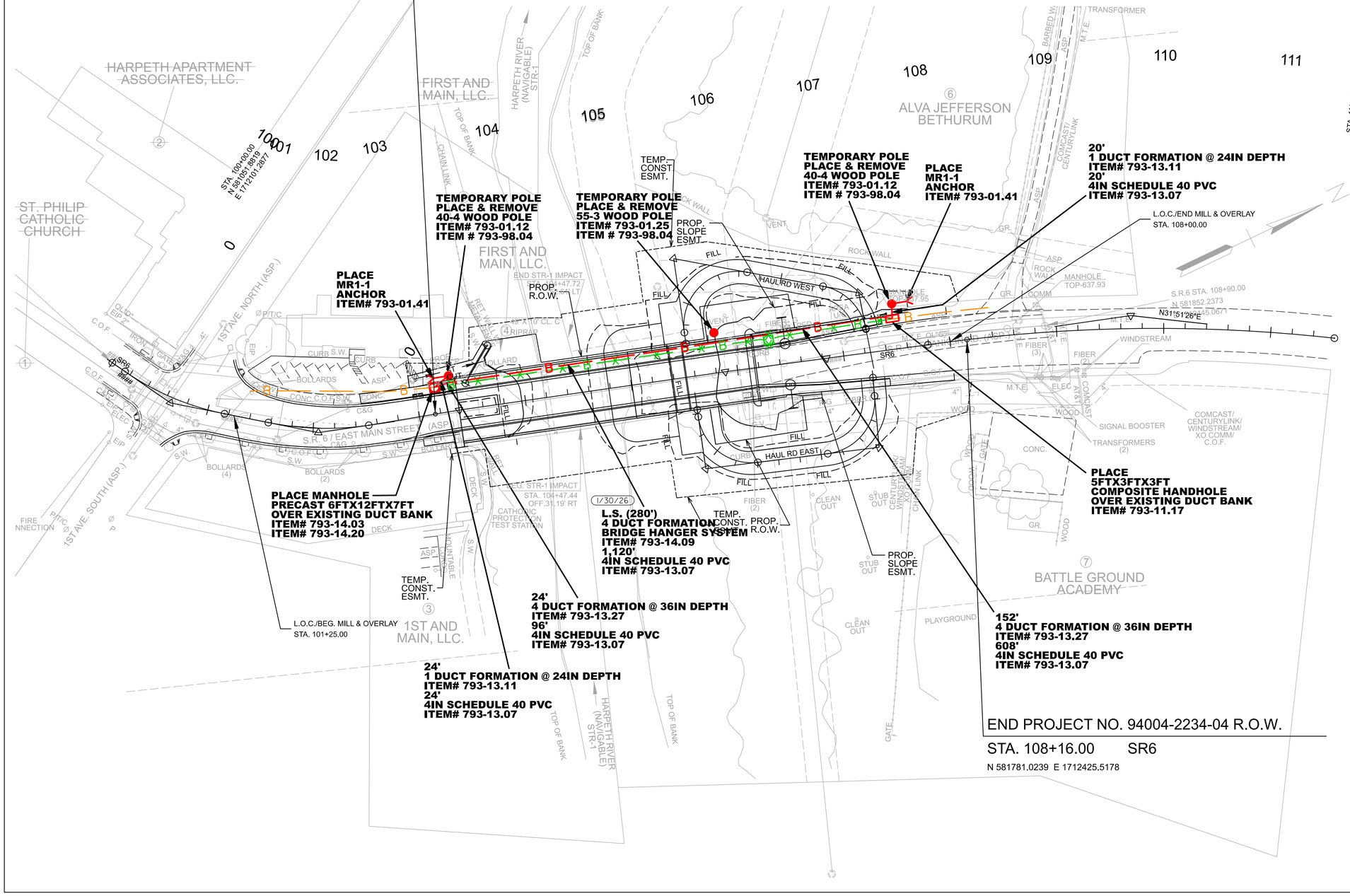
BEGIN PROJECT NO. 94004-2234-04 R.O.W.

STA. 103+14.94 SR6

N 581303.2991 E 1712274.4225



PHASE I CONSTRUCTION
(LOOKING FORWARD ON SURVEY)



END PROJECT NO. 94004-2234-04 R.O.W.

STA. 108+16.00 SR6

N 581781.0239 E 1712425.5178

LEGEND

- EXISTING TELEPHONE POLE
- PROPOSED TELEPHONE POLE
- REMOVED TELEPHONE POLE
- EXISTING POWER POLE
- PROPOSED POWER POLE
- PROPOSED ANCHOR
- PROPOSED CONDUIT
- EXISTING CONDUIT
- ABANDONED CONDUIT
- PROPOSED HANDHOLE
- PROPOSED MANHOLE

GREEN - REMOVAL OR RETIRE

ORANGE - EXISTING TO REMAIN

RED - PROPOSED

BLUE - TEMPORARY

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Construction Work Drawing

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Exchange: FRKLTNMA

AT&T Designer: Kenneth Kornegay
Phone: (615) 848-2082
Consultant:
Nextera Consultants, LLC
Phone: (615) 708-7549
Ted Archie, Designer
Michael L. Cherry, P.E.

Job Description:

RELOCATE AT&T FACILITES FOR S.R.6 (EAST MAIN STREET), BRIDGE OVER HARPETH RIVER LM 12.51 (IA)

DWG U2-4 OF U2-6

SEALED BY

MICHAEL LEE CHERRY REGISTERED ENGINEER 01/30/26 STATE OF TENNESSEE

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED AT&T UTILITY LAYOUT

STA. 100+00.00 TO STA. 111+59.69

SCALE: 1" = 50'

-ALL BRIDGE HANGERS SPACED 8' APART UNLESS NOTED.

-6.6M STRAND TO BE PLACED AS SHOWN ON BOTH SIDES OF HANGER.

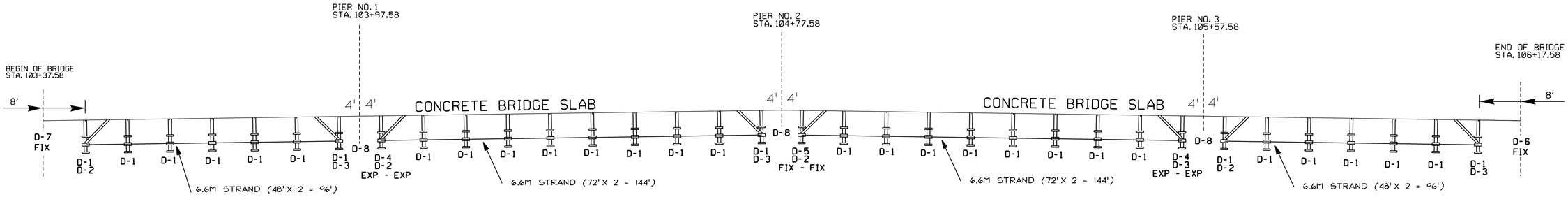
-LONGITUDINAL BRACING TO BE PLACED AT DIRECTIONS AS SHOWN PARALLEL TO CONDUIT SYSTEM.

-FIX - DENOTES FIXED JOINT CONDITION.

-EXP - DENOTES EXPANSION JOINT CONDITION.
Note: All expansion couplings have a minimum 8-inch travel distance.

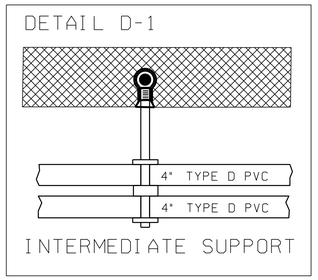
AT&T REVISION 1/30/26:
UPDATED BRIDGE HANGER DESIGN.

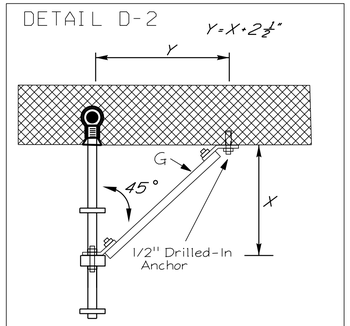
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U2-5

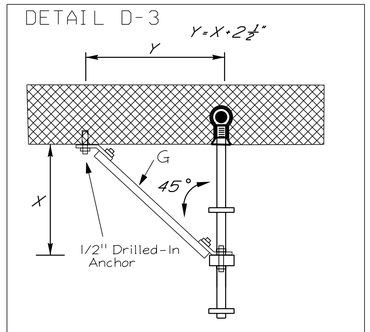


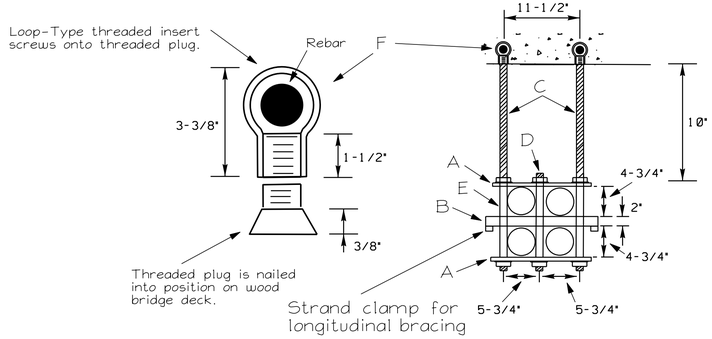
CONSTRUCTION NOTE

ALL PVC JOINTS IN THE CONDUIT RUN, EXCEPT THE SLIDING PORTION OF THE EXPANSION COUPLING ASSEMBLY, MUST BE SOLVENT WELDED. JOINTS NEED NOT BE STAGGERED, BUT NO JOINT SHALL FALL WITHIN 12" OF THE NEAREST HANGER. THIS SEPARATION IS NECESSARY TO PREVENT THE CONDUIT FROM BINDING AT THE HANGER SUPPORTS.

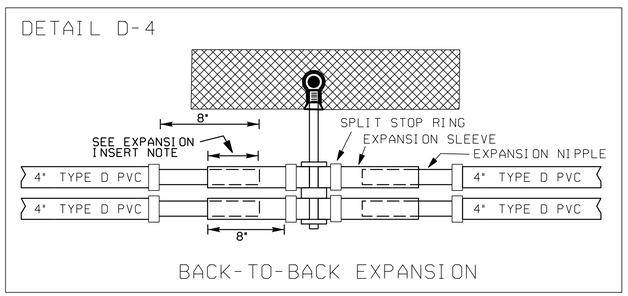


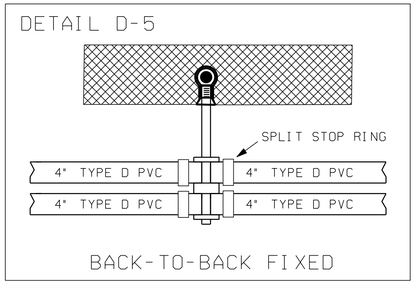


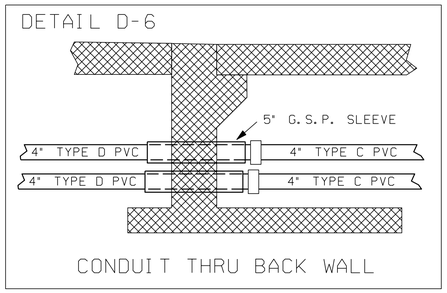


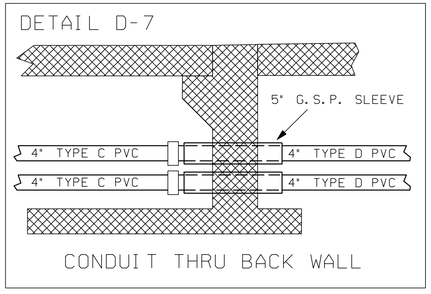


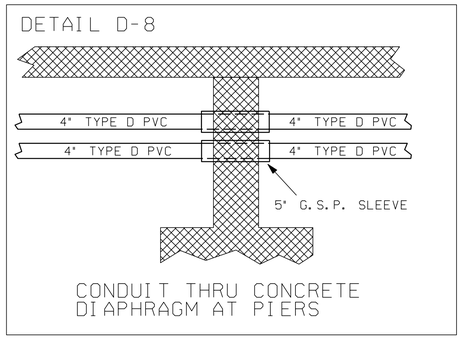
PART A -- 1/2" by 2" galvanized steel plate.
PART B -- Square 2" by 2", 11-gauge galvanized steel tubing.
PART C -- 3/4"-10 NC threaded steel (galvanized or stainless) hanger bolts with the required nuts and washers.
PART D -- 3/4"-10 NC threaded steel (galvanized or stainless) intermediate bolts with the required nuts and washers.
PART E -- 3/4" PVC spacer tubes.
PART F -- Loop-Type insert assembly.
PART G -- U-Channel steel strut angle brace minimum .105" thick.











EXPANSION INSERT NOTE

EXPANSION COUPLING NIPPLE MUST BE INSERTED INTO SLEEVE AT PROPER DISTANCE TO ALLOW FOR MAXIMUM CONTRACTION AND EXPANSION OF CONDUIT BASED ON SURROUNDING TEMPERATURE DURING THE PLACEMENT OF CONDUIT.

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Construction Work Drawing

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Consultant:
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Phone: (615) 708-7549
Ted Archie, Designer
Michael L. Cherry, P.E.

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RELOCATE AT&T FACILITES FOR S.R. 6 (EAST MAIN STREET), BRIDGE OVER HARPETH RIVER LM 12.51 (IA)

DWG U2-5 OF U2-6

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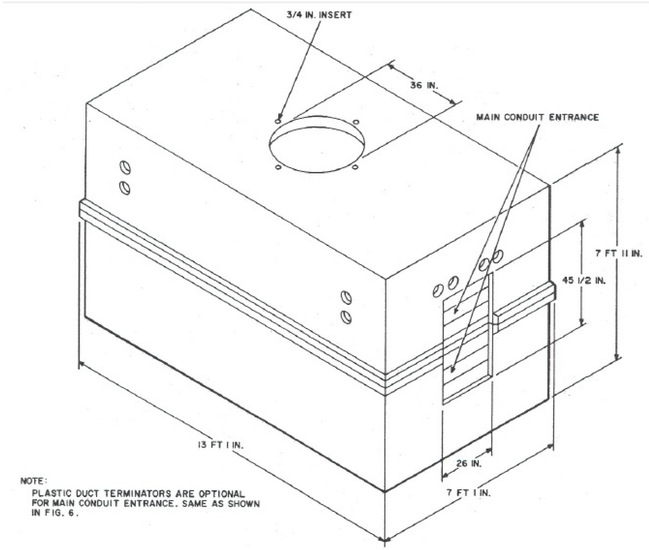
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

AT&T PROPOSED BRIDGE HANGERS

SCALE: NTS

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U2-5



NOTE:
PLASTIC DUCT TERMINATORS ARE OPTIONAL FOR MAIN CONDUIT ENTRANCE. SAME AS SHOWN IN FIG. 6.

"A" Type Manhole

38Y-4046-1 PRECAST MANHOLE

CONCRETE THICKNESS (INCHES)			INSIDE DIMENSIONS (FEET)			APPROXIMATE WEIGHT (POUNDS)	
WALL	ROOF	FLOOR	LG	WIDE	HIGH	TOP SECTION	BASE SECTION
5	6	5	12	6	7	14,920	15,000

NOTE: ALL DETAILS AND NOTES ON THIS SHEET PROVIDED BY AT&T FOR USE ON THIS PROJECT

All CONSTRUCTION SHALL COMPLY WITH AT&T DOCUMENTS ATT-TELCO-620-000-186, ATT-TELCO-002-600-377, ATT-TELCO-002-600-374, AND ATT-TELCO-002-000-349 (ALL ATTACHED) FOR INSTALLATION OF MANHOLES, CONDUIT BRIDGE CROSSINGS, CONDUIT FORMATIONS, AND INSTALLATION OF HANDHOLES.

NOTE: DATA CONTAINED IN THESE DOCUMENTS ARE PROPRIETARY AND CANNOT BE SHARED WITH ANYONE OTHER THAN THOSE REQUIRED TO USE THE INFORMATION THEREIN TO CONSTRUCT THE FACILITIES PERTAINING TO THIS PROJECT.

ROD AND MANDRILL ALL DUCTS AND PLACE MULE TAPE IN ALL DUCTS AFTER BACKFILLING AND BEFORE PLACING FINISHED SURFACE.

RODDING AND MANDRILLING, MULE TAPE PLACEMENT, SELECT BACFILL AND CONCRETE ENCASEMENT COST TO BE INCLUDED IN THE COST OF THE TRENCH.

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DWG U2-6 OF U2-6

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

MANHOLE SPECIFICATIONS AND DETAILS

SCALE: NTS

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U3-01

INDEX OF SHEETS
(SEWER LINE RELOCATION)

SHEET NUMBER DESCRIPTION
U3-01.....SEWER SHEET INDEX AND QUANTITIES
U3-02.....NOT USED
U3-03.....NOT USED
U3-04.....SEWER RELOCATION
U3-05.....SEWER RELOCATION LINE 'A' PROFILE
U3-06.....SEWER RELOCATION DETAILS

ESTIMATED UTILITY QUANTITIES - SANITARY SEWER

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	PERCENT UTILITY	PERCENT STATE	FOOTNOTE
797-05.32	54IN DIP GRAVITY SEWER >18FT DEPTH	LF	279	0	100	1
797-06.98	84IN TUNNELING UNCLASSIFIED	LS	1	0	100	15
797-07.43	84IN MANHOLE 24FT-28FT DEPTH	EACH	1	0	100	4
797-11.38	BY-PASS PUMPING	LS	1	0	100	19
797-02.17	18IN HDPE FORCE MAIN	LF	1096	0	100	1
797-07.80	REMOVE SEWER MANHOLE	EACH	1	0	100	
797-11.37	REMOVE EXISTING SEWER >24IN	LF	272	0	100	9
797-08.03	HDPE FITTINGS	LBS	450	0	100	16
797-10.04	CONNECT >18IN SEWER TO EXIST. MANHOLE	EACH	1	0	100	3
797-10.45	CONNECT TO 18IN FORCE MAIN	EACH	2	0	100	3

REV. NO. 1 11/11/25
REVISED QUANTITIES TABLE AND TITLE BLOCK

REV. NO. 2 1/30/26
REVISED QUANTITIES TABLE

REV. NO. 3 2/23/26
REVISED FOOTNOTE 1

REV. NO. 4 3/2/26
REVISED QUANTITIES TABLE

SANITARY SEWER FOOTNOTES:

1. GRAVITY SEWER LINES AND FORCE MAINS INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT FOR COMPLETE EXCAVATION INCLUDING BUT NOT LIMITED TO BEDDING, BACKFILLING, THRUST BLOCKING, PIPE FUSION, APPURTENANCES, FLOWABLE FILL, MAINTAINING THE TRENCH, TESTING, CHECK DAMS, AND ANY OTHER LABOR OR MATERIAL REQUIRED TO COMPLETE FOR GRAVITY SEWER LINES OR FORCE MAINS AS SPECIFIED ON THE PLANS. DUCTILE IRON PIPE GRAVITY SEWER LINES SHALL BE EPOXY LINED. THE TEMPORARY SEWER BYPASS LINE SHALL BE LAID ON THE GROUND, NOT TRENCHED OR BORED, INCLUDING SPANNING LIBERTY CREEK. THE ONLY EXCEPTION TO THIS REQUIREMENTS, IS WHERE THE TEMPORARY SEWER BYPASS CROSSES THE HAUL ROAD. AT THE HAUL ROAD, THE TEMPORARY SEWER BYPASS SHALL BE BURIED AND PLATED.

2. HORIZONTAL DIRECTIONSAL DRILLING INCLUDES ALL MATERIALS, LABOR, EQUIPMENT, AND TRAFFIC CONTROL, INCLUDING BUT NOT LIMITED TO FLUID CONTAINMENT FOR COMPLETE HORIZONTAL DIRECTIONAL DRILLING INSTALLATION OF CASING PIPE OR UNCASED CARRIER PIPE IN BOTH UNCONSOLIDATED SOIL OR ROCK. IF CASING PIPE HAS CARRIER PIPE, THE CARRIER PIPE SHALL BE PAID AT THE OPEN CUT ITEM.

3. CONNECTIONS TO NEW OR EXISTING FORCE MAINS, SEWER LINES, PUMP STATIONS, AND MANHOLES INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY FOR CONNECTING TO A NEW OR EXISTING FORCE MAIN, SEWER LINE, PUMP STATION, OR MANHOLE AS SPECIFIED ON PLANS, INCLUDING TRAFFIC CONTROL.

4. MANHOLES INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY FOR INSTALLATION OF PRECAST MANHOLE BOTH PREFORMED BASE OR OPEN BOTTOM (DOGHOUSE), INCLUDING BUT NOT LIMITED TO VENT ASSEMBLY (WHERE REQUIRED), CRUSHED STONE, PIPE TO MANHOLE CONNECTORS, EXCAVATION, BACKFILL, BUTYL RESIN GASKET, MANHOLE STEPS, ASPHALTIC WATERPROOFING, FRAME AND COVER, AND TRAFFIC CONTROL.

5. VALVES INVLUDES INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BOT NOT LIMITED TO VALVE, VALVE BOX, BOX ADJUSTMENT, VALVE BOX COLLAR, VALVE MARKER, EXCAVATION, BEDDING, BACKFILL, BLOCKING, AND TRAFFIC CONTROL.

6. MANHOLE DROP CONNECTION ASSEMBLIES, CLEAN-OUTS ASSEMBLIES, AND VALVE ASSEMBLIES INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT, INCLUDING BUT NOT LIMITED TO MACHINERY, TOOLS, OR APPARATUS NECESSARY FOR INSTALLATION OF ASSEMBLIES AS DESCRIBED AND DETAILED IN THE PLANS AND SPECS.

7. SERVICE LATERALS INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT FOR COMPLETE INSTALLATION OF SERVICE LINE OR CASING FOR SERVICE LINE INCLUDING TRAFFIC CONTROL.

8. POINT REPAIRS INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR INTERNAL OR EXTERNAL POINT REPAIRS AS SPECIFIED ON THE BID FORM.

9. RETIRING IN PLACE AND REMOVING EXISTING SEWER LINES INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR RETIRE IN PLACE OR REMOVE ITEMS AS SPECIFIED ON THE BID FORM INCLUDING TRAFFIC CONTROL.

10. BORE/JACK INSTALLATION INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO CASING PIPE, PIPE SPACERS, CASING END SEALS, ANY OTHER APPURTENANCE TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS, AND TRAFFIC CONTROL. IF CASING PIPE HAS CARRIER PIPE, THE CARRIER PIPE SHALL BE PAID AT THE OPEN CUT ITEM.

11. MANHOLE ADJUSTMENT INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR INCREASEING OR DECREASING HEIGHT OF MANHOLE TO FINISHED ROAD GRADE, INCLUDING BUT NOT LIMITIED TO ADDITION OR REMOVAL OF BARREL SECTIONS OR FRAME RINGS AND ADJUSTMENTS TO FRAME AND COVER.

12. RETIRING MANHOLES IN PLACE INCLUDES ALL LABOR, EQUIPMENT, DISPOSAL OF WASTE MATERIAL, DRILLING HOLES IN BASE FOR PROPER DRAINAGE, REMOVAL OF NECESSARY BARRAL SECTIONS FOR PROPER GRADE AND STONE BACKFILL.

13. MANHOLE REHABILITATION INCLUDES ALL MATERIALS, LABOR, EQUIPMENT, FOR COMPLETE REHABILITATION OF MANHOLE BUT NOT LIMITED TO STRUCTURAL REPAIR, SEALING/COATING OF INTERIOR, AND TESTING.

14. OPEN CUT INSTALLATIONS OF CASING PIPE INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO CASING PIPE, PIPE SPACERS, CASING END SEALS, STONE BACKFILL, TEMPORARY PAVEMENT, AND ANY OTHER APPURTENANCE TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS, AND TRAFFIC CONTROL.

15. TUNNELING (UNCLASSIFIED) INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS, AND TRAFFIC CONTROL.

16. DUCTILE IRON, PVC, AND HDPE FITTINGS INCLUDE FITTINGS, FUSION (FOR HDPE FITTINGS), GLANDS, AND RESTRAINT DEVICES DESCRIBED IN POUNDS.

17. CCTV INSPECTION INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT, CLEANING OR SEWER LINE, ROOT REMOVAL IF REQUIRED, SEWER FLOW CONTROL, TELEVISION INSPECTION, WRITTEN LOG, COPY OF INSPECTION DVD, AND ALL APPURTENANCES, COMPLETE IN PLACE.

18. RESTORING ASPHALT, CONCRETE, AND GRAVEL INCLUDES ALL MATERIALS, LABOR, EQUIPMENT, SETUP, AND TRAFFIC CONTROL.

19. BYPASS PUMPING INCLUDES ALL MATERIALS AND SUPPLIES, LABOR, PUMPS, AND OTHER EQUIPMENT, SETUP, AND PERFORMING ALL OPERATIONS REQUIRED TO CONVEY WASTEWATER FROM THE WORK AREA. CONDUCT PUMPING OPERATIONS FROM MANHOLE TO MANHOLE AND DISCHARGE NO FLOW ONTO THE SURFACE OR IN NATURAL WATERWAYS. THE ESTIMATED DAILY FLOW RATES FOR DRY AND WET WEATHER FLOWS WILL BE PROVIDED PRIOR TO INITIATION OF PROJECT. BYPASS REDUNDANCY OF A MINIMUM OF 100% SHALL BE PROVIDED.

20. BRIDGE HANGER SYSTEM INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT FOR COMPLETE INSTALLATION OF UNIT OR LUMP SUM ITEM SPECIFIED ON BID FORM.

SEALED BY

BRITTANY W. BISHOP
REGISTERED ENGINEER
AGRICULTURE
COMMISSION NO. 111,824
STATE OF TENNESSEE

Brittany Bishop 11/1/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

CITY OF FRANKLIN
WATER MANAGEMENT DEPARTMENT

SEWER SHEET INDEX AND QUANTITIES

SCALE: N.T.S.

$$$$DATE$$$$$$$$$$TIME$$$$$$
N:\NA_NF07504900\01WORK\01CAD\U4-06.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U3-04

REV. NO. 1 11/11/25
REVISED TITLE BLOCK AND ADDED LEGEND

REV. NO. 2 1/30/26
ADDED STONE WALL REBUILD AND BULKHEAD DETAILS REFERENCE NOTES

REV. NO. 3 2/10/26
REVISED TEMPORARY EASEMENT

REV. NO. 4 3/2/26
ADDED LIBERTY CREEK, REVISED 18" HDPE BYPASS LINE, AND NOTE 5

REV. NO. 5 3/25/26
ADDED NOTES 6 & 7

SA — EXISTING TO REMAIN
SA — REMOVE OR RETIRE IN PLACE
SA — PROPOSED FACILITIES
SA — TEMPORARY FACILITIES

BEGIN PROJECT NO. 94004-2234-04 R.O.W.
STA. 102+95.19 SR6
N 581284.3148' E 1712268.9845'

STA. 100+00.00
N 581057.8819
E 1712101.2877

MANHOLE
TOP-639.75
INV-631.99
BOT-631.99

EXISTING 10" SANITARY SEWER LINE TO REMAIN

MANHOLE
TOP-638.18
INV-633.13
BOT-633.13

MANHOLE
TOP-638.18
INV-633.34
BOT-633.34

MANHOLE
TOP-638.18
INV-633.13
BOT-633.13

L.O.C./BEG. MILL & OVERLAY
STA. 101+25.00

BEGIN PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 101+25.00 SR6
N 581133.0698 E 1712194.7824

HARPETH APARTMENT ASSOCIATES, LLC.
FIRST AND MAIN, LLC.
1ST AND MAIN, LLC.
ALVA JEFFERSON BETHUNE
BATTLE GROUND ACADEMY
HARPETH RIVER (NAVIGABLE)

1ST AVE. SOUTH (ASP.)
1ST AVE. NORTH (ASP.)
S.R. 6 / EAST MAIN STREET (ASP.)
S.R. 6 / FRANKLIN RD. (ASP.)
SR6
N80°10'13"E
N36°52'46"E
N15°59'03"E
N17°19'30"E
N17°56'36"E

EXISTING 54" SANITARY SEWER LINE TO REMAIN

STA. 0+00.00 LINE 'A'
EXISTING SANITARY SEWER MANHOLE
105

REPLACE-IN-PLACE 54" DI SANITARY SEWER LINE

HDPE SEWER BYPASS LAID ALONG EXISTING WALKWAY. EXISTING ROCK WALL SHALL BE PROTECTED.

EXISTING 84" STEEL CASING TO REMAIN

MANHOLE
TOP-622.88
INV-599.56
BOT-599.56

MANHOLE
TOP-622.88
INV-598.79
INV-598.69
BOT-598.69

HAUL RD WEST
STA. 10+00.00
N 581,700.1284
E 1,712,376.0539

HAUL RD WEST
LIMIT OF CONST.
STA. 12+37.38
N 581,542.7742
E 1,712,315.7413

S36°00'06"W
HAUL RD WEST
S72°43'20"E
N72°43'20"W
S69°28'33"E
S18°27'59"W

JERSEY BARRIER
CATV PED
AT&T DUCT
W. OLD"
12" W W.
8" W W.
6" W W.
4" W W.
10" W W.
T.E.L.
F (UG)
M.T.E.
C.O.F.
P (UG)
S (SS)
EL. 637.85
WINDSTREAM
COMCAST/ CENTURYLINK/ WINDSTREAM/ XO COMM/ C.O.F.
COMCAST/ CENTURYLINK/ XO COMM.

HAUL RD EAST
LIMIT OF CONST.
STA. 22+43.74
N 581,525.6938
E 1,712,376.0719

HAUL RD EAST
STA. 20+00.00
N 581,686.5638
E 1,712,419.6638

IDB SHOWN 060013
6-SPAN CONC. BRIDGE

EXISTING SANITARY SEWER MANHOLE TO BE REMOVED

PROPOSED 60 LF OF 84" STEEL CASING

STA. 2+79.90 LINE 'A'
PROPOSED 84" SANITARY SEWER WATER TIGHT MANHOLE

PROPOSED TEMPORARY UTILITY EASEMENT

PROPOSED 18" HDPE BYPASS LINE

TEMPORARY EASEMENT (POTENTIAL AREA FOR MATERIAL STORAGE/SPOILS)

EXISTING 54" SANITARY SEWER LINE TO REMAIN

SEE BULKHEAD DETAIL 3 SHEET U3-06

TEMPORARY EASEMENT (POTENTIAL AREA FOR MATERIAL STORAGE/SPOILS)

PROPOSED HAUL ROAD
(REFER TO SHEET 2G3 REGARDING REMOVAL AND RESTORATION)

LIBERTY CREEK STR.2

MANHOLE
TOP-622.88
INV-599.13
BOT-599.13

110

STA. 111+59.69
N 582091.0824
E 1712572.0264

END PROJECT NO. 94004-2234-04 R.O.W.
STA. 108+16.00 SR6
N 581781.0239 E 1712425.5178

END PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 108+00.00 SR6
N 581765.8399 E 1712420.4608
L.O.C./END MILL & OVERLAY
STA. 108+00.00

NOTES:

1. CONTRACTOR TO UTILIZE PIPE DEFLECTION WHERE POSSIBLE, NOT TO EXCEED MANUFACTURES SPECIFICATIONS. WHERE FITTINGS ARE REQUIRED TO OBTAIN ADEQUATE SEPARATION AT UTILITY CROSSINGS, CONTRACTOR SHALL PROVIDE REQUIRED FITTINGS TO MEET MINIMUM SEPARATION REQUIREMENTS. FITTINGS NOT REQUIRED FOR SEPARATION OR DEFLECTION REQUIREMENTS MAY NOT BE APPROVED BY WATER MANAGEMENT FIELD INSPECTOR.
2. ALL SEWER PIPING FITTINGS AND APPURTENANCES SHALL CONFORM TO CITY OF FRANKLIN TECHNICAL SPECIFICATIONS FOR UTILITY INSTALLATION.
3. CONTRACTOR SHALL SUBMIT A SEWER BYPASS PLAN FOR ENGINEER AND CITY OF FRANKLIN APPROVAL PRIOR TO CONSTRUCTION.
4. TEMPORARY SEWER BYPASS LINE MUST ONLY CROSS THE STREAM ABOVE ITS TOP OF BANK ON BOTH SIDES.
5. THE STONE WALL ALONG THE WEST SIDE OF SP-6 IS A CONTRIBUTING FEATURE OF THE NATIONAL REGISTER LISTED MAYBERRY HOUSE (TRACT 6). THE STONE WALL SHOULD NOT BE REMOVED OR ALTERED BY PROJECT RELATED ACTIVITIES. IF NEEDED, TEMPORARY PROTECTIVE MEASURES MAY BE PUT IN PLACE TO PROTECT THE WALL'S INTEGRITY AND HISTORIC MATERIALS. TEMPORARY PROTECTION MEASURES WILL REMAIN IN PLACE FOR THE DURATION OF CONSTRUCTION IN THIS AREA AND WILL BE REMOVED UPON COMPLETION OF UTILITY INSTALLATION, WITH NO ALTERATION TO THE WALL'S APPEARANCE, MATERIALS, OR STRUCTURAL INTEGRITY.
6. ACCESS TO THE UTILITY EASEMENT ON THE EAST SIDE OF LIBERTY CREEK IS TO BE VIA THE CITY OWNED LOT AT 131 DANIELS DRIVE. CONSTRUCTION TRAFFIC AND HEAVY VEHICLE TRAFFIC SHALL BE LIMITED TO ONLY WHAT IS NECESSARY TO INSTALL THE SANITARY LINE.
7. CONTRACTOR TO COORDINATE WITH THE CITY FOR FLAGGING OF THE UTILITY EASEMENT.

SPECIAL NOTE - EXISTING 54" SANITARY SEWER:

THE LOCATION AND LIMITS OF THE EXISTING 54-INCH SANITARY SEWER SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND HAVE NOT BEEN FIELD VERIFIED. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING ALL PHASES OF CONSTRUCTION, INCLUDING GRADING, PILE INSTALLATION, AND BRIDGE WORK, DUE TO THE CLOSE PROXIMITY OF THIS SEWER TO THE PROPOSED IMPROVEMENTS.

PRIOR TO COMMENCING ANY CONSTRUCTION, THE CONTRACTOR SHALL:

1. FIELD LOCATE AND VERIFY THE EXACT HORIZONTAL AND VERTICAL POSITION OF THE EXISTING 54-INCH SANITARY SEWER.
2. IMPLEMENT APPROPRIATE MEASURES TO PROTECT THE SEWER FROM DAMAGE THROUGHOUT THE DURATION OF THE PROJECT.
3. COORDINATE WITH THE OWNER AND ENGINEER IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES ARE DISCOVERED.

SEALED BY

BRITTANY W BISHOP
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 119230
STATE OF TENNESSEE

3/25/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

CITY OF FRANKLIN
WATER MANAGEMENT DEPARTMENT

SEWER RELOCATION

STA. 100+00.00 TO STA. 111+59.69
SCALE: 1" = 50'

3/25/2026 11:33:41 AM
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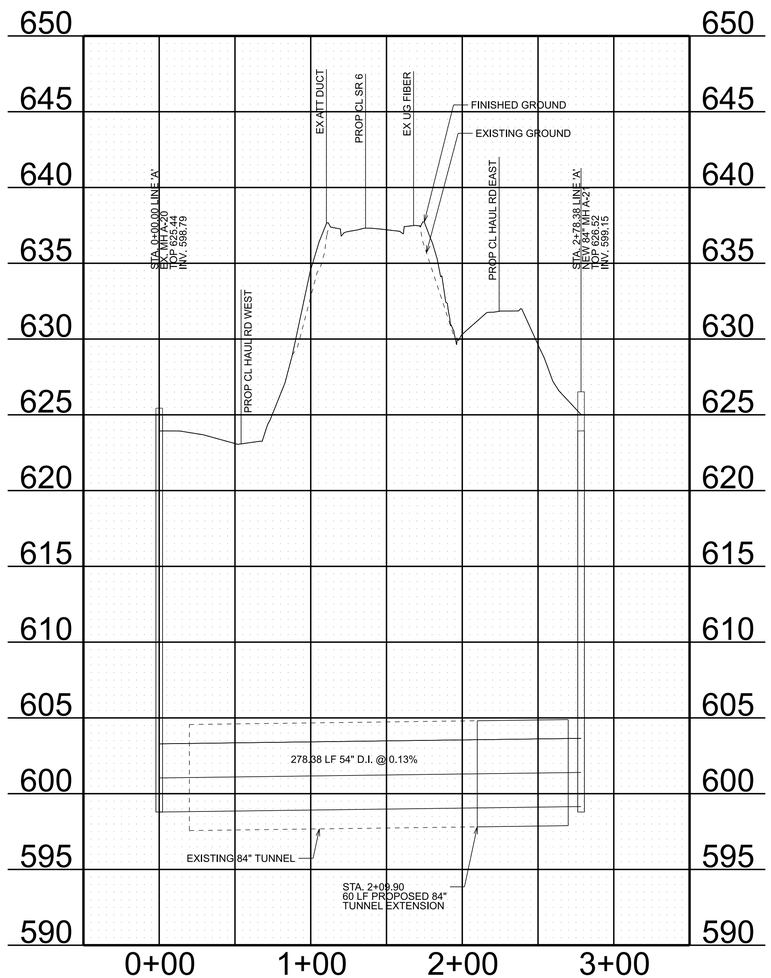
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U3-05

REV. NO. 1 11/11/25
REVISED TITLE BLOCK



SEALED BY

BRITTANY W BISHOP
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 119780
STATE OF TENNESSEE

Brittany W Bishop 11/11/2025

COORDINATES ARE NAD 83(2011), ARE
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ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID G2012BU7.

CITY OF FRANKLIN
WATER MANAGEMENT DEPARTMENT

SEWER RELOCATION
LINE 'A' PROFILE

STA. 100+00.00 TO STA. 111+59.69
SCALE: 1" = 50'

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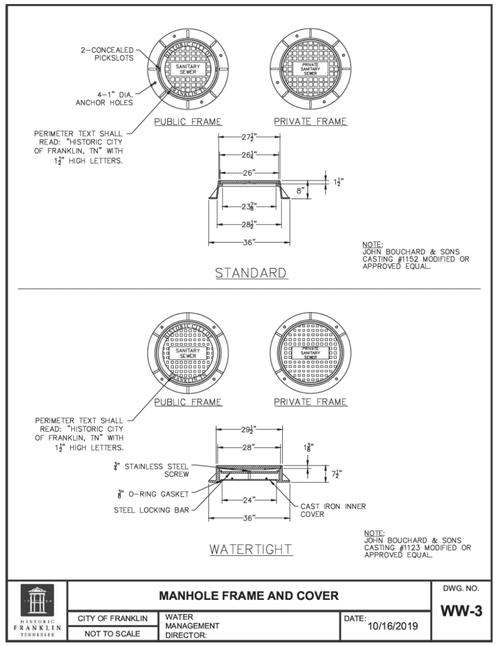
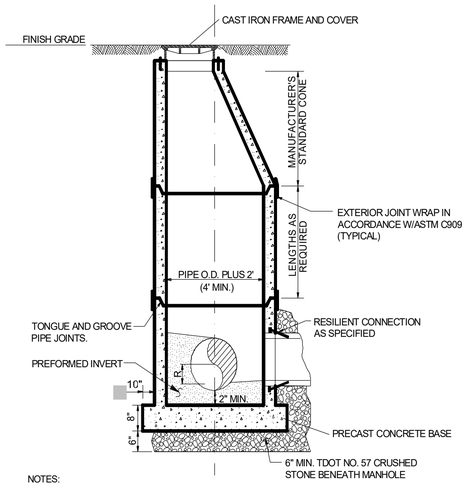


1 MANHOLE FRAME AND COVER

NOT TO SCALE

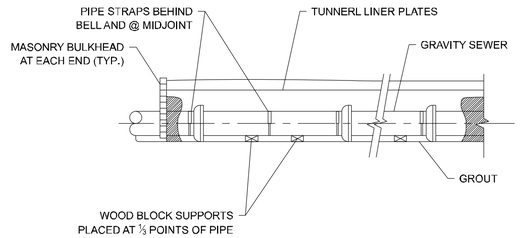


NOTES:

1. ALL PRECAST CONCRETE MANHOLE SECTIONS TO ASTM C478, MIN. THICKNES WALLS. CONE SECTION TO BE ECCENTRIC UNLESS OTHERWISE APPROVED BY ENGINEER.
2. ALL PRECAST ELEMENTS SHALL CONFORM TO ASTM C478.
3. XYPEX ADMIX C-1000 REQUIRED FOR ALL PRECAST MANHOLES.
4. ALL JOINTS SHALL BE GROUTED SMOOTH INSIDE THE MANHOLE WITH NON-SHRINK GROUT.
5. MANHOLES TO BE RAISED 3' ABOVE GRADE SHALL HAVE ECCENTRIC CONE REMOVED AND SHALL BE BROUGHT TO 6" ABOVE GRADE USING 12" 24", AND/OR 36" PRECAST CONCRETE RISERS. ECCENTRIC CONES SHALL BE RE-INSTALLED TO PRODUCE MANHOLE RIM ELEVATION APPROXIMATELY 3' ABOVE GRADE.
6. MANHOLES TO BE RAISED 5' ABOVE GRADE SHALL HAVE ECCENTRIC CONE REMOVED AND SHALL BE BROUGHT TO 4' ABOVE GRADE USING 24", 36" AND/OR 48" PRECAST CONCRETE RISERS. A 12" FLAT TOP SHALL BE INSTALLED TO BRING MANHOLE RIM ELEVATION TO APPROXIMATELY 5' ABOVE GRADE.

2 PRECAST CONCRETE ECCENTRIC FLANGED BASE MANHOLE

NOT TO SCALE



3 BULKHEAD DETAIL

NOT TO SCALE

4 NOT USED

NOT TO SCALE

5 NOT USED

NOT TO SCALE

6 NOT USED

NOT TO SCALE

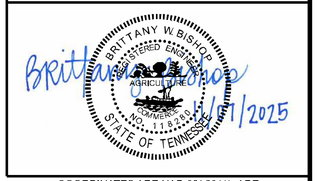
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U3-06

REV. NO. 1 11/11/25
REVISED TITLE BLOCK

REV. NO. 2 1/30/26
ADDED DETAILS 3 & 4

REV. NO. 3 3/2/26
REMOVED DETAIL 4

SEALED BY



COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

CITY OF FRANKLIN
WATER MANAGEMENT DEPARTMENT

SEWER RELOCATION DETAILS

SCALE: N.T.S.

$$$$DATE$$$$$$$$$$TIME$$$$$$
N:\NA_NFD7\50490001\01WORK\01CAD\U4-06.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U4-01

INDEX OF SHEETS
(WATER LINE RELOCATION)

SHEET NUMBER	DESCRIPTION
U4-01	WATER SHEET INDEX AND QUANTITIES
U4-02	NOT USED
U4-03	NOT USED
U4-04	WATER RELOCATION
U4-05	WATER RELOCATION LINE 'A' PROFILE
U4-06	WATER RELOCATION DETAILS
U4-07	WATER RELOCATION DETAILS

ESTIMATED UTILITY QUANTITIES - WATER

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	PERCENT UTILITY	PERCENT STATE	FOOTNOTE
795-01.09	12IN DIP RESTRAINED JOINT WATER LINE	LF	986	0	100	1
795-05.68	BORE/JACK 24IN STEEL CASING PIPE-UNCON.	LF	15	0	100	10
795-06.07	CONNECT TO 12IN WATER LINE	EACH	2	0	100	3
795-06.37	CUT AND CAP 12IN WATER LINE	EACH	2	0	100	15
795-07.15	12IN X 12IN TAPPING SLEEVE AND VALVE	EACH	2	0	100	4
795-08.09	12IN GATE VALVE ASSEMBLY	EACH	2	0	100	5
795-11.12	RETIRE IN PLACE EXISTING WATER MAIN	LF	466	0	100	15
795-13.04	BRIDGE HANGER SYSTEM	LS	1	0	100	8
795-13.01	DI FITTINGS	LBS	1320	0	100	14

REV. NO. 1 11/11/25
REVISED QUANTITIES TABLE AND TITLE BLOCK

REV. NO. 2 1/30/26
REVISED QUANTITIES TABLE

REV. NO. 3 2/11/26
REVISED QUANTITIES TABLE, FOOTNOTES, AND SHEET INDEX

REV. NO. 4 3/2/26
REVISED QUANTITIES TABLE

WATER FOOTNOTES:

1. INCLUDES ALL MATERIALS, LABOR, EQUIPMENT FOR COMPLETE INSTALLATION OF PIPE INCLUDING BUT NOT LIMITED TO TRAFFIC CONTROL, MATERIALS, EQUIPMENT, EXCAVATION IN BOTH UNCONSOLIDATED AND ROCK, REMOVAL AND REPLACEMENT OF UNSUITABLE SOIL, ENVELOPE/BEDDING MATERIAL, BACKFILLING, FLOWABLE FILL, THRUST BLOCKING, CONCRETE DEADMAN, PIPE FUSION, TRACER WIRE, WARNING TAPE, APPURTENANCES, TEMPORARY/PERMANENT SHORING, MAINTAINING THE TRENCH, TESTING, FLUSHING, DISINFECTION, BACTERIOILOGICAL SAMPLING, TEMPORARY/PERMANENT SURFACE RESTORATION, AND ANY OTHER LABOR OR MATERIAL REQUIRED TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS.
2. INCLUDES ALL MATERIALS, LABOR, EQUIPMENT, AND TRAFFIC CONTROL, INCLUDING BUT NOT LIMITED TO FLUID CONTAINMENT FOR COMPLETE HORIZONTAL DIRECTIONAL DRILLING INSTALLATION OF CASING PIPE OR UNCASED CARRIER PIPE IN BOTH UNCONSOLIDATED SOIL OR ROCK. IF CASING PIPE HAS CARRIER PIPE, THE CARRIER PIPE SHALL BE PAID AT THE OPEN CUT ITEM.
3. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY FOR CONNECTING TO AN EXISTING WATER LINE INCLUDING TRAFFIC CONTROL.
4. INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO TAPPING SLEEVE, VALVE, VALVE BOX, BOX ADJUSTMENT, VALVE BOX COLLAR, VALVE MARKER, EXCAVATION, BEDDING, BACKFILL, BLOCKING AND RESTRAINT, TAP OF EXISTING LINE, AND TRAFFIC CONTROL.
5. INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO FITTINGS, VALVE, VALVE STEM EXTENSIONS, VALVE BOX AND COVER, BOX ADJUSTMENT, VALVE BOX COLLAR, VALVE MARKER, EXCAVATION, BEDDING, BACKFILL, BLOCKING, AND TRAFFIC CONTROL.
6. INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO MACHINERY, TOOLS OR APPARATUS NECESSARY FOR INSTALLATION OF ASSEMBLIES AS DESCRIBED IN THE PLANS AND SPECS EXCEPT FOR SERVICE LINE WHICH IS PAID SEPERATELY FOR EACH FOOT INSTALLED.
7. INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT FOR COMPLETE INSTALLATION OF SERVICE LINE OR CASING FOR SERVICE LINE ON LONG SIDE AND SHORT SIDE OF MAIN.
8. INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT FOR COMPLETE INSTALLATION OF UNIT OR LUMP SUM ITEM AS SPECIFIED ON BID FORM INCLUDING BUT NOT LIMITED TO THE BRIDGE HANGER SYSTEM FOR THE TEMPORARY WATER LINE AND THE BRIDGE HANGER SYSTEM FOR THE PERMANENT WATER LINE ON THE BRIDGE.
9. INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT FOR REMOVAL OF ITEM.
10. INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO CASING PIPE, PIPE SPACERS, CASING END SEALS, FITTINGS, TRACER WIRE, WARNING TAPE, UTILITY LINE MARKERS AND TRAFFIC CONTROL. IF CASING PIPE HAS CARRIER PIPE, THE CARRIER PIPE SHALL BE PAID AT THE OPEN CUT ITEM.
11. INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT, SETUP AND TRAFFIC CONTROL.
12. INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT FOR INSTALLATION OF TAP ON WATER LINE FOR SAMPLING PURPOSES, COST OF ACTUALLY SAMPLING IS INCLUDED IN COST OF PIPE.
13. INCLUDES ALL MATERIAL, LABOR, AND EQUIPMENT FOR REMOVAL OF EXISTING WATER SERVICE METER ASSEMBLY AND INSTALLING AT NEWLY IDENTIFIED LOCATION.
14. INCLUDES FITTING, GLANDS, AND RESTRAINT DEVICES DESCRIBED IN POUNDS.
15. INCLUDES ALL MATERIAL, LABOR, AND EQUIPMENT FOR RETIRE IN PLACE ITEMS INCLUDING BUT NOT LIMITED TO REMOVAL OF EXPOSED PIPE WITH LESS THAN 18 INCHES OF COVER, REMOVAL OF RETIRED VALVE BOXES, CUT/CAP EXISTING WATER LINES, CONCRETE THRUST BLOCKS, FILLING OF PIPES LEFT WITHIN THE LIMITS OF THE PROJECT WITH GROUT/FLOWABLE FILL, AND TRAFFIC CONTROL.

SEALED BY

BRITTANY W. BISHOP
REGISTERED ENGINEER
AGRICULTURE & COMMERCE
NO. 117845
STATE OF TENNESSEE

Brittany W. Bishop 11/7/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

CITY OF FRANKLIN
WATER MANAGEMENT DEPARTMENT

WATER SHEET INDEX AND QUANTITIES

SCALE: N.T.S.

$$$$DATE$$$$$$$$$$TIME$$$$$$
N:\NA_NFD\7504900\01WORK\01CAD\U4-06.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U4-04

REV. NO. 1 11/11/25
REVISED TITLE BLOCK AND ADDED LEGEND

REV. NO. 2 1/30/26
ADDED STONE WALL REBUILD DETAIL
REFERENCE NOTE

REV. NO. 3 3/2/26
ADDED JACK AND BORE, COMBINATION
AIR VALVE ASSEMBLY, REVISED NOTE 5,
AND REVISED BEND CALLOUTS

W EXISTING TO REMAIN
W REMOVE OR RETIRE IN PLACE
W PROPOSED FACILITIES
W TEMPORARY FACILITIES

BEGIN PROJECT NO. 94004-2234-04 R.O.W.
STA. 102+95.19 SR6
N 581284.3148' E 1712268.9845'

STA. 100+00.00
N 581057.8819
E 1712101.2877

BEGIN PROJECT NO. 94004-3234-04
CONSTRUCTION
STA. 101+25.00 SR6
N 581133.0698 E 1712194.7824

L.O.C./BEG. MILL & OVERLAY
STA. 101+25.00

EXISTING 10" WATER LINE TO REMAIN

EXISTING 12" WATER LINE TO REMAIN

EXISTING 12" WATER LINE TO REMAIN

STA. 0+00, LINE 'A'
45° BEND, 12"x12" TAPPING
SLEEVE AND VALVE, TIE
TO EXISTING 12" WATER LINE

STA. 0+17, LINE 'A'
45° BEND
EBAA IRON MEGALUG

STA. 1+89, LINE 'A'
COMBINATION AIR
VALVE ASSEMBLY

STA. 0+57, LINE 'A'
45° BEND
EBAA IRON MEGALUG

STA. 0+47, LINE 'A'
45° BEND
EBAA IRON MEGALUG

STA. 0+32, LINE 'A'
12" GATE VALVE

435 LF OF 12" DI
TEMPORARY WATER LINE
(INSULATED)

LINE 'A'
12" DI WATER LINE
(INSULATED)

STA. 5+50, LINE 'A'
45° BEND, 12"x12" TAPPING
SLEEVE AND VALVE, TIE
TO EXISTING 12" WATER LINE

STA. 5+02, LINE 'A'
15 LF 24" STEEL CASING
JACK AND BORE UNDER THE
EXISTING ROCK WALL

EXISTING 12" WATER
LINE TO BE REMOVED
OR RETIRED IN PLACE

EXISTING 8" WATER LINE TO REMAIN

HAUL RD WEST
STA. 10+00.00
N 581,700.1284
E 1,712,376.0539

HAUL RD WEST
LIMIT OF CONST.
STA. 12+37.38
N 581,542.7742
E 1,712,315.7413

HAUL RD EAST
LIMIT OF CONST.
STA. 22+43.74
N 581,525.6938
E 1,712,376.0719

HAUL RD EAST
STA. 20+00.00
N 581,686.5638
E 1,712,419.6638

STA. 4+22, LINE 'A'
45° BEND
EBAA IRON MEGALUG

STA. 3+86, LINE 'A'
12" GATE VALVE

PROPOSED HAUL ROAD
(REFER TO SHEET 2G3 REGARDING
REMOVAL AND RESTORATION)

END PROJECT NO. 94004-2234-04 R.O.W.
STA. 108+16.00 SR6
N 581781.0239 E 1712425.5178

STA. 111+59.69
N 582091.0824
E 1712572.0264

EXISTING 12" WATER LINE TO REMAIN

EXISTING 6" WATER LINE TO REMAIN

END PROJECT NO. 94004-3234-04 CONSTRUCTION
STA. 108+00.00 SR6
N 581765.8399 E 1712420.4608
L.O.C./END MILL & OVERLAY
STA. 108+00.00

HANGER SPACING NOTES:

1. PIPE HANGERS SHALL BE LOCATED 2'-0" BEHIND THE BELL OF THE WATER LINE PIPES.
2. MAXIMUM HANGER SPACING SHALL BE 20'.
3. LONGITUDINAL BRACING SHALL BE INSTALLED AT EACH END OF THE BRIDGE. (STA 103+42.58 AND STA 106+12.58)
4. REQUIRED DESIGN STRENGTHS AND SPACING SHOWN ON THE PLANS ARE BASED ON A HANGER SPACING OF 20'-0". IF THE CONTRACTOR ELECTS TO USE A DIFFERENT HANGER SPACING, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE SELECTED CAST-IN-PLACE ANCHORS ARE SUFFICIENT IN STRENGTH.
5. BRIDGE PIPE HANGERS AND SUPPORT ASSEMBLIES ARE A DELEGATED DESIGN. THE HANGER DETAILS 1 AND 2 ON U4-06 AND DETAIL 1 ON U4-07 ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL PROVIDE THE BRIDGE PIPE HANGERS AND SUPPORT ASSEMBLY DESIGN BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF TENNESSEE.

GENERAL NOTES:

1. CONTRACTOR TO UTILIZE PIPE DEFLECTION WHERE POSSIBLE, NOT TO EXCEED MANUFACTURES SPECIFICATIONS. WHERE FITTINGS ARE REQUIRED TO OBTAIN ADEQUATE SEPARATION AT UTILITY CROSSINGS, CONTRACTOR SHALL PROVIDE REQUIRED FITTINGS TO MEET MINIMUM SEPARATION REQUIREMENTS. FITTINGS NOT REQUIRED FOR SEPARATION OR DEFLECTION REQUIREMENTS MAY NOT BE APPROVED BY WATER MANAGEMENT FIELD INSPECTOR.
2. ALL WATER PIPING FITTINGS AND APPERTANANCES SHALL CONFORM TO CITY OF FRANKLIN STANDARD SPECIFICATIONS FOR WATER LINE CONSTRUCTION.
3. THE STONE WALL ALONG THE WEST SIDE OF SP-6 IS A CONTRIBUTING FEATURE OF THE NATIONAL REGISTER LISTED MAYBERRY HOUSE (TRACT 6). THE STONE WALL SHOULD NOT BE REMOVED OR ALTERED BY PROJECT RELATED ACTIVITIES. IF NEEDED, TEMPORARY PROTECTIVE MEASURES MAY BE PUT IN PLACE TO PROTECT THE WALL'S INTEGRITY AND HISTORIC MATERIALS. TEMPORARY PROTECTIVE MEASURES WILL REMAIN IN PLACE FOR THE DURATION OF CONSTRUCTION IN THIS AREA AND WILL BE REMOVED UPON COMPLETION OF UTILITY INSTALLATION, WITH NO ALTERATION TO THE WALL'S APPEARANCE, MATERIALS, OR STRUCTURAL INTEGRITY.

SEALED BY

BRITTANY W BISHOP
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 119230
STATE OF TENNESSEE
3/04/2025

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00008 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID G2012BU7.

CITY OF FRANKLIN
WATER MANAGEMENT DEPARTMENT

WATER RELOCATION

STA. 100+00.00 TO STA. 111+59.69
SCALE: 1" = 50'

3/4/2026 3:42:22 PM
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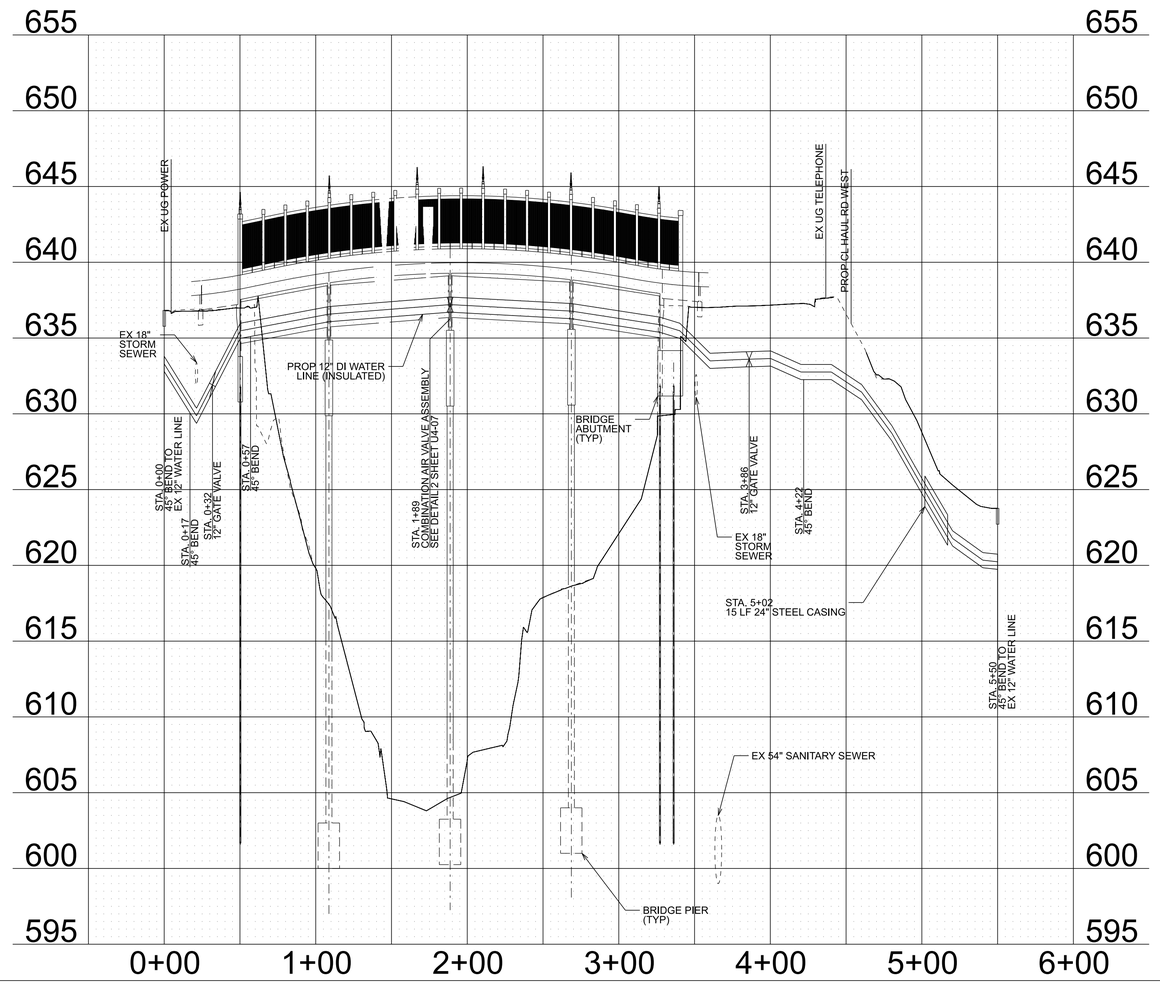
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U4-05

REV. NO. 1 11/11/25
REVISED TITLE BLOCK

REV. NO. 1 3/2/25
ADDED JACK AND BORE AND
COMBINATION AIR VALVE ASSEMBLY



SEALED BY

BRITTANY W BISHOP
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 119280
STATE OF TENNESSEE

11/03/2025

COORDINATES ARE NAD 83(2011), ARE
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ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID G2012BU7.

CITY OF FRANKLIN
WATER MANAGEMENT DEPARTMENT

WATER RELOCATION
LINE 'A' PROFILE

STA. 100+00.00 TO STA. 111+59.69
SCALE: 1" = 50'

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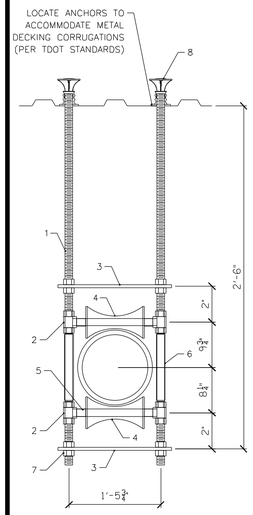
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U4-06

REV. NO. 1 11/11/25
REVISED TITLE BLOCK

REV. NO. 2 12/22/25
REVISED DETAILS 1, 2 & 3

REV. NO. 3 1/30/26
REVISED DETAILS 1 & 2 AND
ADDED DETAIL 5

REV. NO. 4 3/2/25
REPLACED DETAIL 5
AND ADDED DETAIL 6



NOTES:

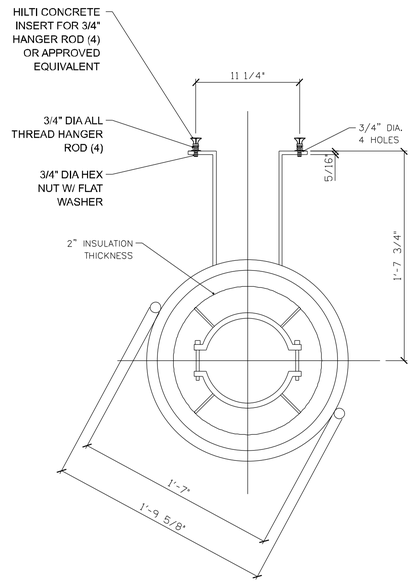
1. ALL METAL HANGER COMPONETS TO BE HOT DIPPED GALVANIZED CARBON STEEL.
2. HANGER ROLLERS TO BE SIZED FOR 12" DUCTILE IRON PIPE WITH INSULATION AND SHIELD.
3. PIPE HANGERS SHALL BE LOCATED 2'-0" BEHIND THE BELL OF THE WATER LINE PIPES.
4. SPACING BETWEEN THE CONNECTIONS OF THE PIPE AND THE HANGER ASSEMBLY MUST BE NO MORE THAN 20'.
5. ALL HANGER MATERIALS (EXCEPT CONCRETE INSERT) ARE TO BE BY GULF STATE OR APPROVED EQUAL.
6. COMPONENT SIZES ARE APPROXIMATE AND MUST BE CONFIRMED BY HANGER ASSEMBLY MANUFACTURER. PROVIDE CAPACITY OF HANGER ASSEMBLY IN SUBMITTAL.
7. ALL DIMENSIONS SHOWN IN THE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED AND DETERMINED BY THE CONTRACTOR. CONTRACTOR SHALL PROVIDE HANGER AND BRACING SYSTEM THAT IS COMPATIBLE AND CAPABLE OF INSTALLING THE WATER LINE AS SHOWN IN THE PLANS. ALL WORK SHALL MEET THE FULL APPROVAL OF THE CITY OF FRANKLIN.
8. PROVIDE INSTALATION SHIELD MINIMUM AT 18" LONG.
9. COMPONENT QUANTITIES LISTED BELOW ARE FOR ONE INTERMEDIATE HANGER DETAIL.
10. CONTRACTOR SHALL VERIFY AND DETERMINE DIMENSIONS AS SHOWN. DIMENSIONS ARE DEPENDENT ON YOKE PIPE ROLL SIZES.
11. HILTI CAST IN PLACE ANCHORS OR APPROVED EQUIVALENT SHALL MEET THE REQUIRED DESIGN STRENGTHS AS SHOWN

    TENSION: 5,000 LBS
    SHEAR: 6,000 LBS

ID	QTY.	DESCRIPTION
1	2	3/4" DIA. ALL-THREAD HANGER ROD
2	4	ROLLER SOCKET
3	2	5/8" x 2-1/2" x 1'-8" FLAT BAR
4	2	ROLLER
5	4	SPACER (IF REQUIRED)
6	2	1-1/4" O.D. FIBERGLASS PIPE (LENGTH AS REQUIRED)
7	16	3/4" DIA. HEX NUT W/ FLAT WASHER
8	2	HILTI CONCRETE INSERT FOR 3/4" HANGER ROD (OR APPROVED EQUIVALENT)

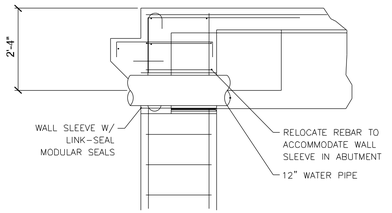
1 INTERMEDIATE HANGER DETAIL

NOT TO SCALE



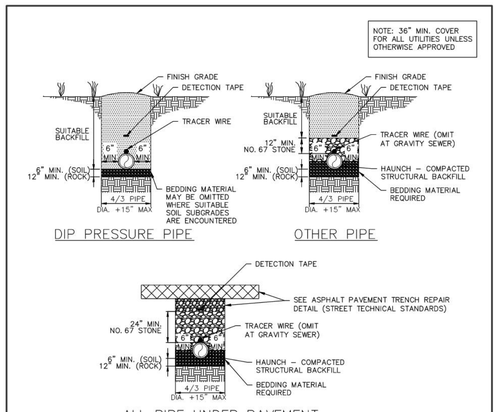
2 PIPE GUIDE HANGER DETAIL

NOT TO SCALE



3 WALL SLEEVE W/MODULAR SEALS ABUTMENT DETAIL

NOT TO SCALE

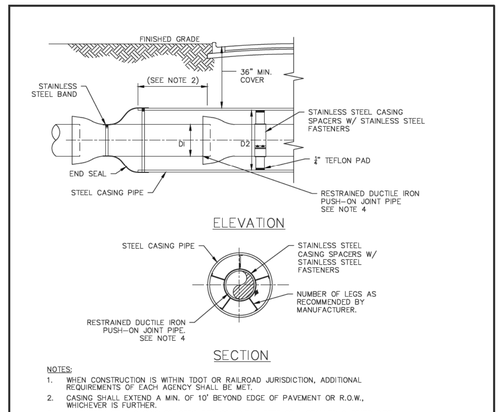


NOTES:
1) ALL SUITABLE BACKFILL MATERIAL AND SUBGRADES SHALL BE APPROVED BY THE WATER MANAGEMENT DEPT.
2) ALL ROCK LOOSENED SHALL BE REMOVED; VOIDS CREATED BY SUCH REMOVAL SHALL BE FILLED WITH CRUSHED STONE.
3) REMOVE STONE FOR PIPE BELLS TO PROVIDE FULL CONTACT OF BEDDING.
4) BACKFILL SHALL BE TAMPED IN 6" LIFTS.
5) ACHIEVE 95% COMPACTION ON ALL BACKFILL.
6) NO ROCKS 6" IN DIAMETER OR GREATER ALLOWED IN SUITABLE BACKFILL.
7) PROVIDE STONE BACKFILL FOR PIPING WITHIN DRIVEWAYS, ROADWAYS AND PARKING AREAS UNLESS OTHERWISE APPROVED. SEE ASPHALT PAVEMENT TRENCH REPAIR DETAIL WHEN IN PAVED AREAS.
8) TRENCH DEWATERING SHALL BE DONE IN ACCORDANCE WITH TDOT STD DRAWING EC-STR-1 AND EC-STR-2
9) TRACER WIRE SHALL BE COPPER CLAD, 12 GA. MIN., WITH COLOR-CODED 30 MIL. HDPE INSULATED JACKET. PROVIDE WATERPROOF GREASE FILLED CONNECTIONS AT JUNCTIONS. TRACER WIRE SYSTEM SHALL BE TESTED FOR FUNCTIONALITY PRIOR TO ACCEPTANCE. TRACER WIRE SHALL NOT BE USED FOR GRAVITY SEWER LINES.
10) PROVIDE CHECK DAMS AT 50'-0" O.C. MINIMUM, UNLESS OTHERWISE DIRECTED BY WMD.

HISTORIC FRANKLIN TENNESSEE	UTILITY BEDDING AND BACKFILL DETAIL		DWG. NO.
CITY OF FRANKLIN	WATER MANAGEMENT DIRECTOR:	DATE: 10/16/2019	G-8
NOT TO SCALE			

4 UTILITY BEDDING AND BACKFILL DETAIL

NOT TO SCALE



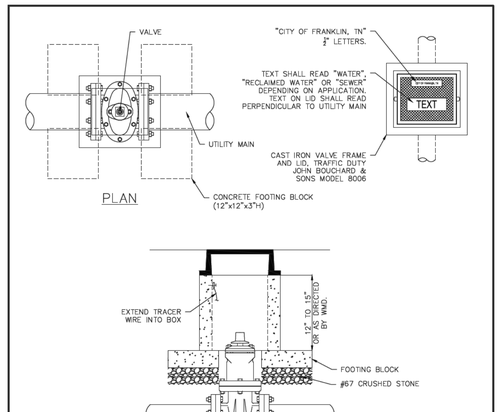
NOTES:
1. WHEN CONSTRUCTION IS WITHIN TDOT OR RAILROAD JURISDICTION, ADDITIONAL REQUIREMENTS OF EACH AGENCY SHALL BE MET.
2. CASING SHALL EXTEND A MIN. OF 10' BEYOND EDGE OF PAVEMENT OR R.O.W., WHICHEVER IS FURTHER.
3. A MINIMUM OF 3 CASING SPACERS PER 20 LINEAR FEET OF INSTALLED CARRIER PIPE SHALL BE PROVIDED.
4. CARRIER PIPE SHALL BE RESTRAINED JOINT.

CARRIER PIPE AND CASING PIPE SIZES (MIN.)											
CARRIER PIPE NOM. DIA (DI)	2	4	6	8	10	12	14	16	20	24
CASING PIPE NOM. DIA. (D2)	6	14	16	18	22	24	30	30	36	48
WALL THICKNESS (IN.) R.O.W.	0.250	0.250	0.250	0.250	0.250	0.250	0.312	0.312	0.375	0.500
WALL THICKNESS (IN.) RAILROAD	0.250	0.250	0.250	0.312	0.375	0.375	0.500	0.500	0.563	0.625

HISTORIC FRANKLIN TENNESSEE	BORE AND JACK CASING		DWG. NO.
CITY OF FRANKLIN	WATER MANAGEMENT DIRECTOR:	DATE: 10/16/2019	G-10
NOT TO SCALE			

5 BORE AND JACK CASING DETAIL

NOT TO SCALE



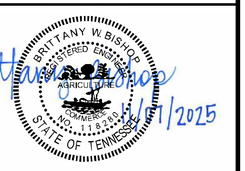
NOTES:
1) FOUR (4) CONCRETE BLOCKS ARE TO BE PLACED UNDER EACH CORNER OF THE VALVE BOX AS SHOWN.
2) CONCRETE SHALL BE 4,000 PSI @ 28 DAYS REINFORCED WITH WELDED WIRE MESH.
3) STRUCTURE SHALL CONFORM TO ASTM C858.

HISTORIC FRANKLIN TENNESSEE	CONCRETE VALVE BOX		DWG. NO.
CITY OF FRANKLIN	WATER MANAGEMENT DIRECTOR:	DATE: 10/16/2019	G-2
NOT TO SCALE			

6 CONCRETE VALVE BOX DETAIL

NOT TO SCALE

SEALED BY



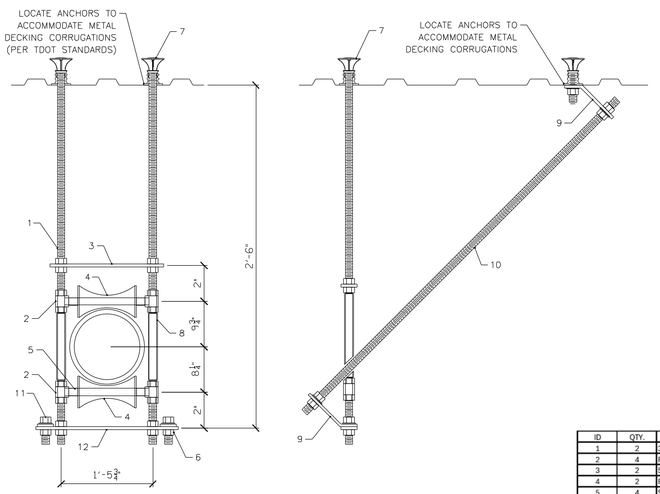
COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

CITY OF FRANKLIN
WATER MANAGEMENT DEPARTMENT

WATER RELOCATION DETAILS

SCALE: N.T.S.

$$$$DATE$$$$$$$$$$TIME$$$$$$
N:\NA_NFD\7504900001\WORK\01CAD\U4-06.SHT



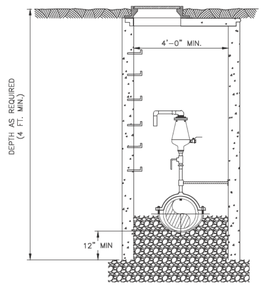
NOTES:

1. ALL METAL HANGER COMPONETS TO BE HOT DIPPED GALVANIZED CARBON STEEL.
2. SEE PLAN SHEET FOR HANGER SPACING ALONG BRIDGE.
3. ALL HANGER MATERIALS (EXCEPT CONCRETE INSERT) ARE TO BE BY GULF STATE HANGERS OR AS APPROVED BY UTILITY OWNER.
4. HANGER ROLLERS TO BE SIZED FOR 12" DUCTILE IRON PIPE WITH INSULATION SHIELD.
5. COMPONENT SIZES ARE APPROXIMATE AND MUST BE CONFIRMED BY HANGER ASSEMBLY MANUFACTURER. PROVIDE CAPACITY OF HANGER ASSEMBLY IN SUBMITTAL.
7. ALL DIMENSIONS SHOWN IN THE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED AND DETERMINED BY THE CONTRACTOR. CONTRACTOR SHALL PROVIDE HANGER AND BRACING SYSTEM THAT IS COMPATIBLE AND CAPABLE OF INSTALLING THE WATER LINE AS SHOWN IN THE PLANS. ALL WORK SHALL MEET THE FULL APPROVAL OF THE CITY OF FRANKLIN.
8. PROVIDE INSTALATION SHIELD MINIMUM AT 18" LONG.
9. COMPONENT QUANTITIES LISTED BELOW ARE FOR ONE INTERMEDIATE HANGER DETAIL.
10. LONGITUDINAL BRACING TO BE UTILIZED AT EACH END OF THE BRIDGE.
11. CONTRACTOR SHALL VERIFY AND DETERMINE DIMENSIONS AS SHOWN. DIMENSIONS ARE DEPENDENT ON YOKE PIPE ROLL SIZES.

ID	QTY.	DESCRIPTION
1	2	3/4" DIA. ALL-THREAD HANGER ROD
2	4	ROLLER SOCKET
3	2	5/8" x 2-1/2" x 1'-8" FLAT BAR
4	2	ROLLER
5	4	SPACER (IF REQUIRED)
6	10	3/4" DIA. HEX NUT W/ FLAT WASHER
7	4	HILTI CONCRETE INSERT FOR 3/4" HANGER ROD (OR APPROVED EQUIVALENT)
8	2	1-1/4" O.D FIBERGLASS PIPE (LENGTH AS REQUIRED)
9	4	5/8" x 2-1/2" x 10" BENT FLAT BAR
10	2	3/4" DIA. x 3'-6" ALL-THREAD HANGER ROD
11	2	3/4" DIA. x 4" HEX BOLT
12	1	5/8" x 2-1/2" x 2'-2" FLAT BAR

1 ANCHOR POINT HANGER DETAIL

NOT TO SCALE



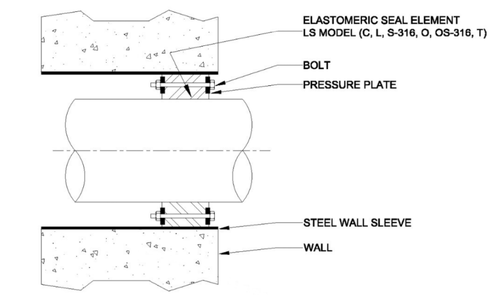
NOTES:
1) VALVE IS TO BE SIZED FOR CONDITIONS.
2) VALVE SHALL BE A.R.I. USA INC. D-040 OR APPROVED EQUAL FOR WATER MAINS.
3) VALVE SHALL BE A.R.I. USA INC. D-020, S-020, S-022 OR APPROVED EQUAL FOR SEWAGE FORCE MAINS AND RECLAIMED WATER MAINS.
4) IF ASSEMBLY IS TO BE INSTALLED IN TRAFFIC AREA, BOX AND COVER TO BE TRAFFIC BEARING AS APPROVED BY THE CITY OF FRANKLIN.

HISTORIC FRANKLIN TENNESSEE	COMBINATION AIR VALVE ASSEMBLY FOR PRESSURE MAINS			DWG. NO. G-13
	CITY OF FRANKLIN	WATER MANAGEMENT DIRECTOR:	DATE: 10/16/2019	
	NOT TO SCALE			

2 COMBINATION AIR VALVE ASSEMBLY FOR PRESSURE MAINS DETAIL

NOT TO SCALE

LINK-SEAL® MODULAR SEALS WITH MODEL WS STEEL WALL SLEEVES
MANUFACTURED BY PIPELINE SEAL & INSULATOR, INC.



LS Model	Seal Element	Bolts/Nuts	Pressure Plate
C	EPDM (Black)	Zinc Dichromate/Organic Coated Carbon Steel Bolt	Reinforced Nylon Polymer
L	EPDM (Blue)	Zinc Dichromate/Organic Coated Carbon Steel Bolt	Reinforced Nylon Polymer
O	Nitrile	Zinc Dichromate/Organic Coated Carbon Steel Bolt	Reinforced Nylon Polymer
T	Silicone	Zinc Dichromate/Organic Coated Carbon Steel Bolt	Steel Zinc Dichromate
(C,L,O)+S-316	(see model options)	316 Stainless Steel	Reinforced Nylon Polymer

Sleeve Model	Description	Material
CS	Century-Line Sleeve	HDPE
WS	Steel Wall Sleeve	Steel

NOTES:
1. USE 16" WALL SLEEVE.

3 WALL SLEEVE WITH MODULAR SEALS

NOT TO SCALE

4 NOT USED

NOT TO SCALE

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U4-07

REV. NO. 1 11/11/25
REVISED TITLE BLOCK

REV. NO. 2 1/30/26
REVISED DETAIL 1

REV. NO. 3 3/2/26
ADDED DETAIL 2 AND
REVISED DETAIL 3

SEALED BY

BRITTANY W. BISHOP
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 119801
STATE OF TENNESSEE

Brittany W. Bishop 11/1/2025

COORDINATES ARE NAD 83(2011), ARE
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CITY OF FRANKLIN
WATER MANAGEMENT DEPARTMENT

WATER RELOCATION DETAILS

SCALE: N.T.S.

$$$$DATE$$$$$$$$$$TIME$$$$$$
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

INDEX OF DRAWINGS

U5-1 INDEX / ESTIMATED QUANTITES
U5-2 GENERAL NOTES
U5-3 UTILITY RELOCATION

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U5-1

ESTIMATED UTILITY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	Project No. 1: 94004-3234-04	% Utility Betterment	%Project Public	%Project Private	
790-98.01	Remove Wire	LF	515		0.00%	80.00%	20.00%	
790-98.02	Remove Poles	EA	2		0.00%	80.00%	20.00%	
790-98.03	Remove Framing/Associated Apparatus	EA	14		0.00%	80.00%	20.00%	

LEGEND

- POLE (INSTALL)
- POLE (REMOVE)
- POLE (CHANGING IN PLACE)
- POLE (REMAIN)
- ANCHOR (SINGLE-INSTALL)
- ANCHOR (MULTIPLE-INSTALL)
- ANCHOR (SINGLE-REMOVE)
- ANCHOR (MULTIPLE-REMOVE)
- ANCHOR (SINGLE-REMAIN)
- ANCHOR (MULTIPLE-REMAIN)
- CAPACITOR ASSEMBLY
- TRIPLE SINGLE BREAKER
- GUY — SPAN GUY
- PRIMARY (INSTALL)
- PRIMARY (REMOVE)
- PRIMARY (REMAIN)

UTILITY INFORMATION

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP COOPERATION
555 NEW SALEM ROAD
MURFREESBORO, TN 37128
CONTACT: CHRISTOPHER WEAVER
PHONE: 615-494-1068
EMAIL: Chrisweaver@mte.com

SAMUEL K. THOMASON
REGISTERED ENGINEER
AGRICULTURE
No. 2019018
STATE OF TENNESSEE
02-10-2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

MTEMC
INDEX &
ESTIMATED
QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U5-2

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION
("UTILITY OWNER")

PRE-QUALIFICATIONS AND/OR REQUIREMENTS FOR UTILITY CONTRACTOR

1. STATE OF TENNESSEE, DEPARTMENT OF TRANSPORTATION (TDOT) PROJECT # 94004-3234-04

2. GENERAL

THE PURPOSE OF THIS DOCUMENT IS TO LIST THE QUALIFICATION REQUIREMENTS FOR THE ELECTRICAL UTILITY CONTRACTOR OR SUBCONTRACTOR PROPOSED FOR THE OVERHEAD AND/OR UNDERGROUND UTILITY WORK REQUIRED FOR THE COMPLETION OF THE PROJECT AS ESTABLISHED IN THE DRAWINGS AND SPECIFICATIONS.

THIS DOCUMENT ALSO LISTS ELECTRICAL UTILITY CONTRACTORS THAT HAVE BEEN PRE-QUALIFIED BY THE UTILITY OWNER FOR WORK REQUIRED BY THIS PROJECT. **WORK ON THIS PROJECT IS NOT IN ANY WAY RESTRICTED TO THE LISTED PRE-QUALIFIED ELECTRICAL UTILITY CONTRACTORS**. CONTRACTORS THAT HAVE NOT BEEN PRE QUALIFIED SHALL SUBMIT THE REQUIRED QUALIFICATIONS AND INFORMATION LISTED FOR THE UTILITY OWNER'S INSPECTION PER THE TERMS IN SECTION 3 BELOW.

THE TERMS OF THIS DOCUMENT SHALL BE INCORPORATED INTO THE CONTRACT FOR THE PROJECT BY AND BETWEEN TDOT AND THE UTILITY OWNER.

3. REQUIREMENTS

A. TENNESSEE STATE CONTRACTOR'S LICENSE CLASSIFICATION(S): __CE__

B. FIVE (5) YEARS OF EXPERIENCE IN THE CONSTRUCTION OF ELECTRICAL UTILITY PROJECTS OF THE TYPE DEPICTED IN THE PROJECT DRAWING AND SPECIFICATIONS.

C. MINIMUM OF FIVE (5) MILLION DOLLARS TOTAL VALUE OF ELECTRICAL UTILITY PROJECTS COMPLETED IN THE PREVIOUS CALENDAR YEAR.

D. SEVENTY (70%) PERCENT OF CONTRACTORS' OVERALL PROJECT VALUE SHALL BE IN THE ELECTRIC UTILITY FIELD.

E. MINIMUM BONDING CAPACITY OF FIVE (5) MILLION DOLLARS.

F. MINIMUM LIABILITY INSURANCE AGGREGATE OF $3,000,000.

G. SHALL DEMONSTRATE AVAILABILITY OF SUITABLE EQUIPMENT, QUALIFIED SUPERVISORY AND FIELD CREWS FOR THE TYPE OF WORK REQUIRED BY THE PROJECT, AND WORKLOAD TO MEET THE PROJECT SCHEDULE.

3. REQUIREMENTS FOR NON-PREQUALIFIED CONTRACTORS

ELECTRICAL UTILITY CONTRACTORS PROPOSED BY THE STATE CONTRACTOR THAT ARE **NOT** LISTED AS "PRE-QUALIFIED", SHALL **SUBMIT THE INFORMATION LISTED BELOW IN SECTIONS 3 (A) THROUGH (D) TO THE UTILITY OWNER 30 DAYS PRIOR TO THE START OF THE PROJECT CONSTRUCTION** (AS LISTED BY TDOT). THE UTILITY OWNER WILL NOTIFY TDOT AS TO ACCEPTANCE OR REJECTION, IN UTILITY OWNER'S SOLE DISCRETION, OF THE PROPOSED ELECTRICAL UTILITY CONTRACTOR WITHIN 10 DAYS AFTER RECEIPT OF SUCH INFORMATION. IF THE UTILITY OWNER REJECTS THE PROPOSED ELECTRICAL UTILITY CONTRACTOR, TDOT WILL NOT PERMIT SUCH CONTRACTOR TO PERFORM ANY OVERHEAD AND/OR UNDERGROUND UTILITY WORK FOR THE PROJECT.

A. EVIDENCE OF MEETING THE REQUIREMENTS LISTED IN SECTIONS 2 (A) THROUGH (G) ABOVE.

B. REFERENCES FOR THREE (3) CONTRACTS (DIFFERENT UTILITY OWNERS) WITHIN THE PAST TWO (2) YEARS FOR SIMILAR OVERHEAD AND/OR UNDERGROUND ELECTRIC LINE WORK PERFORMED BY THE PROPOSED CONTRACTOR. REFERENCES SHALL INCLUDE THE NAMES AND TELEPHONE NUMBERS OF THE UTILITY OWNER'S PERSONNEL WITH WHOM THE CONTRACTOR HAD PRIMARY CONTACT.

C. DETAILED INFORMATION OF SUPERVISORY/FIELD PERSONNEL INCLUDING EXPERIENCE, QUALIFICATIONS, AND TRAINING FOR PERFORMING OVERHEAD AND/OR UNDERGROUND ELECTRIC LINE WORK.

D. DETAILED INFORMATION ON ANY CONTRACTUAL PENALTIES, OHSA VIOLATIONS, LEGAL PROCEEDINGS, LAWSUITS OR CLAIMS LEVIED AGAINST THE PROPOSED CONTRACTOR WITHIN THE PAST TWO (2) YEARS, CONTENDING BREACH OF OR NONCOMPLIANCE WITH CONTRACT REQUIREMENTS OR SPECIFICATIONS.

4. PREQUALIFIED CONTRACTORS

THE FOLLOWING CONTRACTORS HAVE BEEN PRE-QUALIFIED BY THE UTILITY OWNER FOR THE WORK REQUIRED BY THIS PROJECT:

ELECTRIC UTILITY CONTRACTORS

DAVIS H. ELLIOT CO, INC.
ATTN: BRIAN SARRETT
673 BLUE SKY PARKWAY
LEXINGTON, KY 40509-9459
PHONE: 859-263-5148
FAX: 859-263-5486

DELTA SERVICES
ATTN: JUSTIN FACKLER
4676 JENNINGS LANE
LOUISVILLE, KY 40218
PHONE: 812-404-6086

SERVICE ELECTRIC COMPANY
ATTN: JEFF HUNT
P.O. BOX 3656
1631 EAST 25TH STREET
CHATTANOOGA, TN 37404
PHONE: 423-847-4788
FAX: 423-490-7524

PIKE ELECTRIC, LLC
ATTN: BILLY JOE LOWRY
P.O. BOX 868
100 PIKE WAY
MOUNT AIRY, NC 27030
PHONE: 336-719-4333

BROADWAY ELECTRIC SERVICE CORPORATION (BESCO)
ATTN: JUSTIN WOJCEICHOWSKI
1800 N. CENTRAL STREET
KNOXVILLE, TN 37917-7303
PHONE: 865-524-1851

WILLIAM E. GROVES CONSTRUCTION COMPANY
ATTN: JOHN MARK MORRIS
3135 GRAPEVINE ROAD
MADISONVILLE, KY 42431
PHONE: 270-836-8081

GENERAL CONSTRUCTION NOTES

CAUTION ORDERS

1. THE UTILITY CONTRACTOR SHALL CONTACT THE UTILITY OWNER PRIOR TO START OF CONSTRUCTION TO MEET WITH THE UTILTIY OWNER OPERATIONS PERSONNEL. THE UTILITY CONTRACTOR WILL BE ASSIGNED A TWO WAY RADIO AND ANY OTHER NECESSARY EQUIPMENT OR INFORMATION NEEDED AT THIS TIME.
2. THE UTILITY CONTRACTOR IS REQUIRED TO MAINTAIN COMMUNICATION WITH THE UTILITY OWNER'S CONTROL CENTER USING TWO-WAY RADIO AND TELEPHONE COMMUNICATIONS. THE UTILITY CONTRACTOR SHALL PURCHASE OR LEASE FROM THE UTILITY OWNER THE REQUIRED TWO-WAY RADIOS NECESSARY TO COMMUNICATE WITH THE CONTROL CENTER.
3. ALL CAUTION ORDERS SHALL BE REQUESTED AND ISSUED THROUGH THE UTILITY OWNER'S CONTROL CENTER VIA TWO-WAY RADIO. IF RADIO TRANSMISSIONS ARE WEAK OR INAUDIBLE, CAUTION ORDERS CAN BE REQUESTED BY CALLING THE CONTROL CENTER AT (615) 217-5111.
4. UTILITY CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION WHEN REQUESTING A CAUTION ORDER:
   - NAME OF EMPLOYEE
   - VEHICLE NUMBER
   - LOCATION - ADDRESS OR TRANSFROMER/METER NUMBER
   - UTILITY OWNER EMPLOYEE GRANTING PERISSION TO WORK ON CIRCUIT
   - WHETHER SCADA CONTROLLED OR "ONE SHOT POSITION AND TAGGED" IF NOT SCADA CONTFOLLED
   - WORK LOCATION
5. ONCE THE CAUTION ORDER IS REQUESTED, THE UTILITY CONTRACTOR SHALL VERIFY TO THE CONTROL CENTER THAT THE INFORMATION PROVIDED IS CORRECT. ONCE THE INFORMATION IS VERIFIED, THE CONTROL CENTER WILL PROCESS THE CAUTION ORDER. THE CONTROL CENTER WILL THEN PROVIDE THE CONTRACTOR WITH A CAUTION ORDER NUMBER. THE UTILITY CONTRACTOR MUST CONFIRM RECEIPT OF THE NUMBER BEFORE THE PROCESS IS COMPLETE.
6. WHEN A CAUTION ORDER IS RELEASED, THE UTILITY CONTRACTOR SHALL CONTACT THE CONTROL CENTER VIA TWO-WAY RADIO AND USE THEIR VEHICLE NUMBER FOR CONFIRMATION. THE UTILITY CONTRACTOR MUST REQUEST RELEASE OF THE CAUTION ORDER BY PROVIDING THE CONTROL CENER THE NUMBER ASSIGNED TO THE CAUTION ORDER, AND THAT THE POLE TOP IS BACK IN THE NORMAL POSITION WITH THE TAG REMOVED. ONCE THE CONTROL CENTER VERIFIES ALL OF THE INFORMATION, THEY WILL PROCESS THE RELEASE OF THE CAUTION ORDER. ONCE THE CAUTION ORDER IS RELEASED, THE UTILITY CONTRACTOR MUST ACKNOWLEDGE AND CONFIRM THE RELEASE.
7. CAUTION ORDERS MUST BE RELEASED WHEN CREWS LEAVE THE WORK LOCATION DURING LUNCH BREAK.
8. NO CAUTION ORDERS CAN BE EXTENDED BEYOND ONE WORKING DAY.
9. IN THE EVENT OF INCLIMATE WEATHER, THE CONTROL CENTER WILL CONTACT THE UTILITY CONTRACTOR AND REQUEST THE RELEASE OF ANY CAUTION ORDERS THAT ARE IN EFFECT. IF THREE (3) ATTEMPTS ARE MADE TO CONTACT THE UTILITY CONTRACTOR, AND THEY FAIL TO RESPOND, THE UTILITY'S OPERATIONS SUPERVISOR WILL BE NOTIFIED IMMEDIATELY.

SAMUEL K. THOMASON
REGISTERED ENGINEER
AGRICULTURE OHIO
STATE OF TENNESSEE

02-10-2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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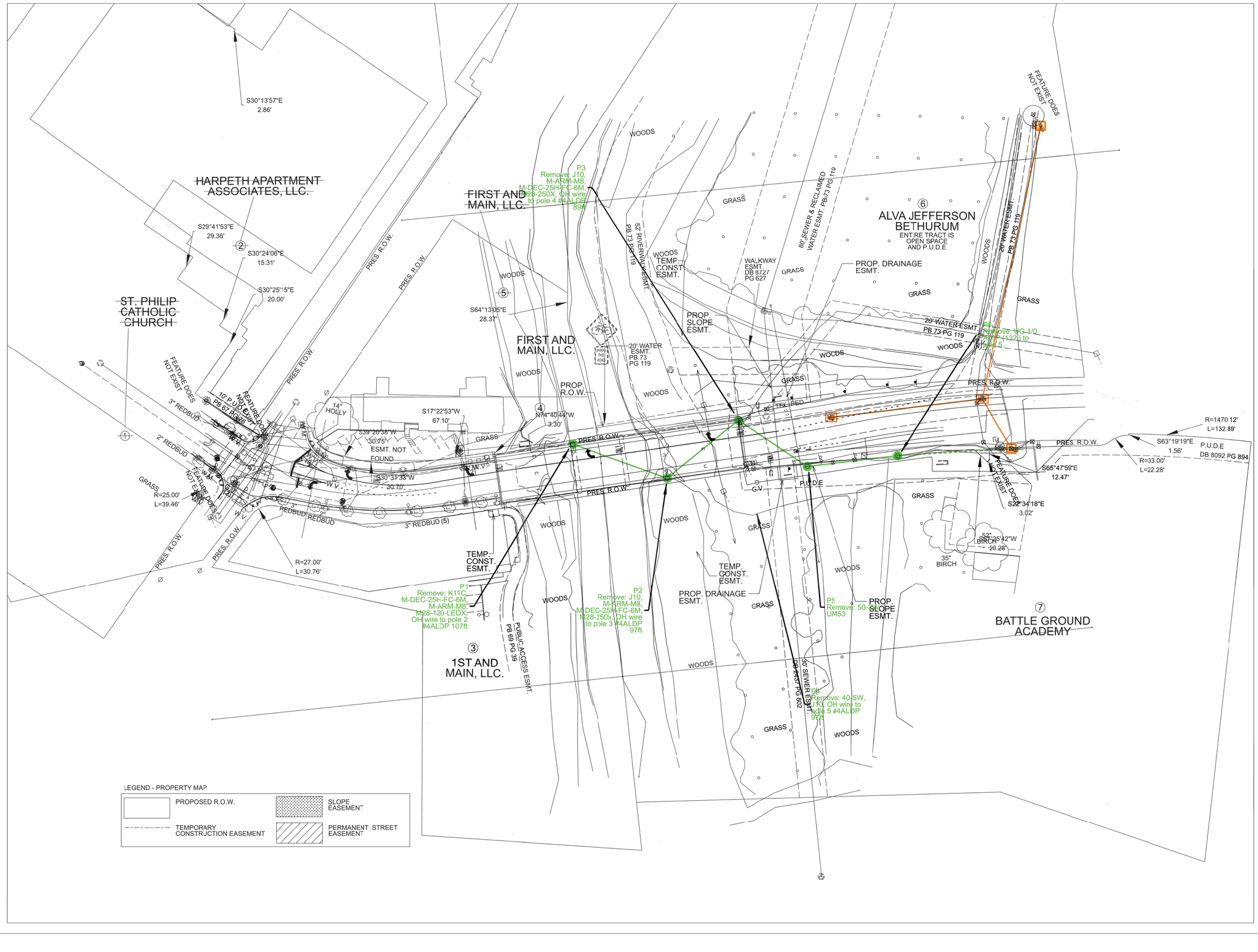
TENNESSEE D.O.T.

DESIGN DIVISION

FILE NO. ----

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	94004-3234-04	U5-3



M.T.E.M.C. LEGEND

- POLE - TO BE INSTALLED
- POLE - TO BE REMOVED
- POLE - TO BE REPLACED
- POLE - TO REMAIN
- POLE - TEMPORARY
- ANCHOR - TO BE INSTALLED
- ANCHOR - TO BE REMOVED
- ANCHOR - TO REMAIN
- ANCHOR - TEMPORARY
- LINE - TO BE INSTALLED
- LINE - TO BE REMOVED
- LINE - TO REMAIN
- LINE - TEMPORARY
- PB PULLBOX
- MH MANHOLE
- UNDERGROUND TRANFORMER

COORDINATE VALUES ARE NAD/83 (1995), AND ARE DATUM ADJUSTED BY THE FACTOR OF 1.000000, AND ARE TIED TO THE TENNESSEE GEODETIC REFERENCE NETWORK.
ALL ELEVATICNS ARE REFERENCED TO THE NAVD 1988.

SAMUEL K. THOMASON
REGISTERED ENGINEER
AGRICULTURE
No. 0010101
STATE OF TENNESSEE
02-10-2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

MTEMC ELECTRIC RELOCATION

SCALE: 1" = 50'

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