

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Greg Green
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ROBERT G. CAMPBELL AND ASSOCIATED, LLC
7523 TAGGART LANE

KNOXVILLE, TN 37938
GREGORY A. GREEN, P.E. NO. 102001

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	ROADWAY-SIGN1
TITLE SHEET	1
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SIGNING AND PAVEMENT MARKING PLANS	14-14A
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ROADWAY CROSS SECTIONS	17 – 26
SIDE ROAD CROSS SECTIONS	27 – 37
TRAFFIC CONTROL PLANS	T1 – T5A

YEAR	PROJECT NO.	SHEET NO.
2026	HSIP-9(76)	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)	NO
WORK ZONE SIGNIFICANCE DETERMINATION		
SIGNIFICANT	(YES)	NO
RAILROAD INVOLVEMENT	YES	(NO)

TENN.	YEAR	SHEET NO.
	2026	1
FED. AID PROJ. NO.	HSIP-9(76)	
STATE PROJ. NO.	47013-3232-94	

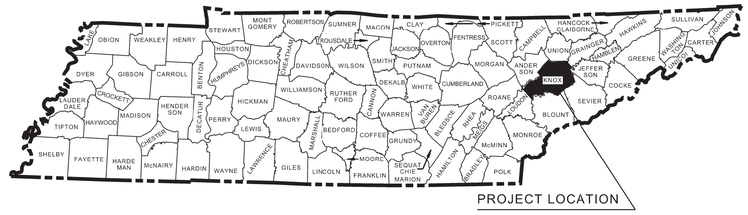
KNOX COUNTY

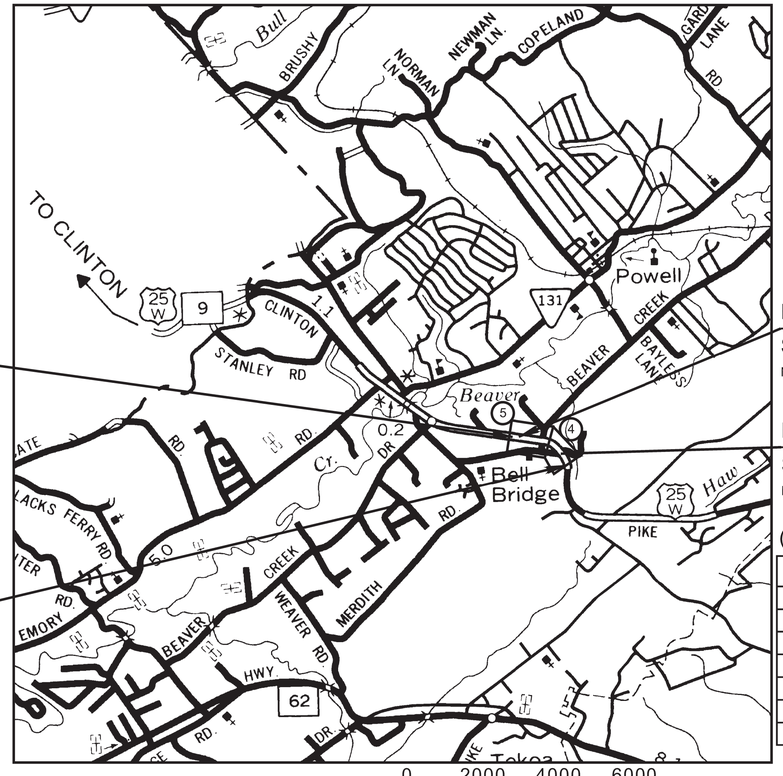
SR-9 (US-25W) INTERSECTION AT
WEST BEAVER CREEK DRIVE (RSAR)

PS&E

GRADE, DRAIN, BASE, PAVE, SIGNS AND SIGNALS

STATE HIGHWAY NO. 9 F.A.H.S. NO. 25W





SCALE: 1"= 2000'

0 2000 4000 6000

R.O.W. LENGTH	0.193 MILES
ROADWAY LENGTH	0.379 MILES
BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES ▲
PROJECT LENGTH	0.379 MILES

Not included in the project length (Non Riding Surface).

NO EXCLUSIONS

47013-3232-94
END PROJECT NO. HSIP-9(76) CONST.

STA. 267+06.59

N 617930.7460 E 2548732.0781

PROJECT OF LIMITED SCOPE

47013-3232-94
BEGIN PROJECT NO. HSIP-9(76) CONST.

STA. 247+01.73

N 617246.2083 E 2550515.3255

47013-2232-94
END PROJECT NO. HSIP-9(76) R.O.W.

STA. 261+00.00

N 617840.0974 E 2549331.8566

47013-2232-94
BEGIN PROJECT NO. HSIP-9(76) R.O.W.

STA. 250+79.66

N 617546.9053E 2550290.8240

S.R. 9
(CLINTON HWY.)

TRAFFIC DATA	
ADT (2026)	30,250
ADT (2026)	33,270
DHV (2046)	3,657
D	55 - 45
T (ADT)	3 %
T (DHV)	4 %
V	55 MPH

W BEAVER CREEK

SURVEY 12-17-17	TRAFFIC DATA	
	ADT (2026)	5,330
	ADT (2046)	5,860
	DHV (2046)	663
	D	65 - 35
	T (ADT)	1 %
	T (DHV)	1 %
	V	30 MPH

COORDINATES ARE NAD 83(1995) ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B

SEALED BY
GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102511
STATE OF TENNESSEE
7/6/2026

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 APRIL 1, 2026 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT PROJECT MANAGER 1: ERIC WILSON, P.E.

DESIGNED BY : ROBERT G. CAMPBELL AND ASSOCIATES, L.P.

DESIGNER : GREG GREEN, P.E. CHECKED BY JASON SIVERLING, P.E.

P.E. NO. PE-D 47013-1232-94 (DESIGN)

PIN NO. 110982.00

ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEET	ROADWAY-SIGN1
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
STANDARD ROADWAY DRAWINGS	1A1
STANDARD TRAFFIC OPERATIONS DRAWINGS	1A3
ESTIMATED ROADWAY QUANTITIES	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B, 2B1
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SIGNAL PLANS	SIG-1
STORM WATER POLLUTION PREVENTION PLAN (SWPPP) INDEX	S-1
UTILITIES PLANS	U1–1

NOTE: THE ALPHABETICAL LETTERS “I”, “O” & “Q” ARE NOT USED IN NUMBERING OF SHEETS.

STANDARD ROADWAY DRAWINGS

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

DWG.	REV.	DESCRIPTION
RD-TP-1	09-16-16	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	01-30.26	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

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-SE-2B		DESIGN STANDARDS FOR COLLECTOR HIGHWAYS WITH FLUSH MEDIAN (4 AND 6 LANE)
RD11-SE-3A		SUPERELEVATION TRANSITION SECTIONS FOR DIVIDED ROADWAYS
RD11-TS-1	06-28-19	DESIGN STANDARDS FOR LOW-VOLUME ROADS
RD11-TS-1A	06-28-19	DESIGN STANDARDS FOR LOCAL ROADS AND STREETS
RD11-TS-2		DESIGN STANDARDS FOR COLLECTORS, 2-LANE ROADS AND STREETS
RD11-TS-6A		TYPICAL CURB & GUTTER SECTIONS WITHOUT SHOULDERS AND WITH GRASS STRIPS
RD11-TS-6B		TYPICAL CURB AND GUTTER SECTIONS WITH SHOULDERS AND WITHOUT GRASS STRIPS
RD11-TS-6C		TYPICAL CURB AND GUTTER SECTIONS WITHOUT SHOULDERS AND WITHOUT GRASS STRIPS
RD11-LR-1		MINIMUM RUNOFF LENGTHS (LR) FOR URBAN HIGHWAYS
RD11-LR-2		MINIMUM RUNOFF LENGTHS (LR) FOR RURAL HIGHWAYS
RD11-S-11		DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD11-S-11A		ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD11-SD-1		INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES
RD11-SD-2		INTERSECTION SIGHT DISTANCE LANDSCAPE AND OBSTRUCTION
RD11-SD-3		INTERSECTION SIGHT DISTANCE 2-LANE ROADWAYS
RD11-SD-4		INTERSECTION SIGHT DISTANCE 4-LANE AND 5-LANE UNDIVIDED ROADWAYS
RD11-SD-5		INTERSECTION SIGHT DISTANCE 4-LANE DIVIDED HIGHWAYS
RD-UD-3	01-09-24	UNDERDRAIN DETAILS
RD-UD-4	06-28-19	UNDERDRAIN LATERAL DETAILS
RD-UD-7	06-28-19	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 3:1 & 4:1 SLOPES
RD-UD-9	06-28-19	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 6:1 SLOPES

10-102.00 PIPE CULVERTS, ENDWALLS, AND ENERGY DISSIPATERS

DWG.	REV.	DESCRIPTION
D-PB-1	03-01-23	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PB-2	03-01-23	STANDARD DETAILS FOR FLEXIBLE PIPE INSTALLATION
D-PB-3	11-30-20	INDUCED TRENCH SOIL EMBANKMENT FOR PIPE CULVERT INSTALLATION
D-PE-18A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 18" PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-18B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 18" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-24A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 24" PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-24B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 24" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-4	06-28-19	STRAIGHT CONCRETE ENDWALLS (PIPE SIZES 18" TO 30")
D-PEW-1		PROTECTED ENDWALLS FOR ROUND & OVAL PIPES (PIPE SIZES 18” TO 72”, ALL SKEWS, 2:1 & 3:1 SLOPES)
D-PEW-2		PROTECTED ENDWALLS FOR ROUND PIPES DETAILS & QUANTITIES (PIPE SIZES 18” TO 72”, ALL SKEWS, 2:1 & 3:1 SLOPES)
D-PEW-4		PROTECTED STRAIGHT ENDWALLS (PIPE SIZES 18” TO 30” & EQU. OVAL PIPES)

10-103.00 CATCH BASINS AND MANHOLES

DWG.	REV.	DESCRIPTION
D-CB-25LP	02-20-20	LOW PROFILE 32" X 32" SQUARE CONCRETE NO. 25LP CATCH BASIN (FOR USE WITH 6" SLOPING CURB)
D-CB-25P	02-20-20	STANDARD PRECAST RECTANGULAR CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" SLOPING CURB)
D-CB-25S	02-20-20	STANDARD RECTANGULAR CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" SLOPING CURB)
D-CB-25SB	02-20-20	STANDARD 4' X 4' SQUARE CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" SLOPING CURB)
D-CB-25SC	02-20-20	STANDARD 5' 2" X 5' 2" SQUARE CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" SLOPING CURB)
D-CB-42S	02-20-20	STANDARD 32" X 32" SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-42SB	02-20-20	STANDARD 4' X 4' SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-42SC	02-20-20	STANDARD 5' 2" X 5' 2" SQUARE CONCRETE NO. 42 CATCH BASIN
D-CBB-12B	06-28-19	TYPE ‘B’ CAST IRON FRAME, GRATE & 6" SLOPING INLET DETAILS FOR NOS. 25, 26 & 27 TYPE CATCH BASINS
D-CBB-42	10-29-21	CAST IRON GRATE DETAILS FOR NOS. 42, 43 & 44 TYPE CATCH BASINS
D-MH-2	02-20-20	STANDARD PRECAST NO. 3 MANHOLE
D-MH-3	02-20-20	TYPICAL DESIGN OF LIDS FOR NO. 3 MANHOLE
D-MH-4	02-20-20	STANDARD NO. 3 MANHOLE CASTINGS AND STEPS
D-MH-5	02-20-20	STANDARD 5' 2" X 5' 2" SQUARE CONCRETE NO. 3 MANHOL

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-9(76)	1A

SEALED BY

GREGORY A. GREEN
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AGRICULTURE
COMMERCE
NO. 109001
STATE OF TENNESSEE

7/10/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS

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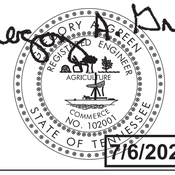
STANDARD ROADWAY DRAWINGS (CONT)

DWG.	REV.	DESCRIPTION
D-RF-1	07-30-24	STANDARD PRECAST RISER
10-104.00		**ROADWAY, PAVEMENT APPURTENANCES, AND FENCES**
RP-D-15	04-01-25	DETAILS OF STANDARD CONCRETE DRIVEWAYS
RP-D-16	04-01-25	DETAILS OF LOWERED STANDARD CONCRETE DRIVEWAYS
RP-DHO-1	05-01-20	MEDIAN OPENINGS ON 4-LANE DIVIDED HIGHWAY
RP-I-5	05-01-20	EXAMPLES OF STREET & ALLEY INTERSECTIONS
RP-R-1	04-21-25	STANDARD RAMP DETAILS FOR ROADWAYS AND 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)
RP-VC-11	03-04-21	VERTICAL CONCRETE CURB AND CURB AND GUTTER (FOR 6” & 7” GUTTER DEPTH)
S-F-1	03-01-23	HIGH VISIBILITY FENCE
S-F-10	07-17-20	STANDARD RIGHT-OF-WAY STOCK FENCE
10-105.00		**MULTIMODAL**
CR-GN-1	04-30-04	GENERAL NOTES CURB RAMP
CR- GN-2	04-30-04	CURB RAMP NUMBERING
CR-DWS-1	04-30-04	DETECTABLE WARNING SURFACE DETAIL
CR-PLL-1	04-30-04	PUSH BUTTON LOCATION LAYOUT
CR-CRT-1	04-30-04	CURB RAMP TYPES
CR-GTL-1	04-30-04	GUTTER TRANSITION LAYOUT
CR-GTL-2	04-30-04	GUTTER TRANSITION LAYOUT
CR-PL-1	04-30-04	PERPENDICULAR CURB RAMP PLACEMENT LAYOUT
CR-10	04-30-04	PERPENDICULAR CURB RAMP
CR-11	04-30-04	PERPENDICULAR CURB RAMP WITH BRICK DETAILS
CR-PL-2	04-30-04	PARALLEL CURB RAMP PLACEMENT LAYOUT
CR-20	04-30-04	PARALLEL CURB RAMP 5 – FT SIDEWALK
CR-21	04-30-04	COMBINATION RAMP USED WITH WIDE SIDEWALK
CR-22	04-30-04	COMBINATION CURB RAMP
MM-PM-1	04-30-04	SIGNING AND PAVEMENT MARKINGS AT INTERSECTION CROSSINGS FOR SHARED-USE PATHS
MM-SW-1	04-30-04	DETAILS FOR CONCRETE SIDEWALKS
MM-TS-2	04-30-04	LATERAL OFFSETS FOR SIDEWALK AND SHARED USE PATH
10-106.00		**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-CC-1	10-01-24	CRASH CUSHION
S-CC-2	06-28-19	CRASH CUSHION (GATING) BARREL ARRAY
S-SSMB-1	01-28-22	32” SINGLE SLOPE CONCRETE BARRIER WALL
10-107.00		**EROSION PREVENTION AND SEDIMENT CONTROL**
EC-STR-3B	06-15-21	SILT FENCE

DWG.	REV.	DESCRIPTION
EC-STR-6	11-30-20	ROCK CHECK DAM
EC-STR-6A	05-06-16	ENHANCED ROCK CHECK DAM
EC-STR-11	03-16-17	CULVERT PROTECTION TYPE 1
EC-STR-19	04-01-08	CATCH BASIN PROTECTION
EC-STR-25	08-01-12	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
EC-STR-34	05-04-22	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION
EC-STR-37	06-10-14	SEDIMENT TUBE
EC-STR-39A	08-01-12	CURB INLET PROTECTION TYPE 3 & 4
EC-STR-41		CATCH BASIN FILTER ASSEMBLY (TYPE 1)

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-9(76)	1A1

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7/6/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX
AND
STANDARD
ROADWAY
DRAWINGS

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STANDARD TRAFFIC DESIGN DRAWINGS

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-9(76)	1A3

DWG.	REV.	DESCRIPTION
10-200.00 SIGN		
T-S-6	07-30-25	STANDARD MOUNTING DETAILS - BOLTED EXTRUDED PANELS
T-S-9	07-30-25	STANDARD LAYOUT - GROUND MOUNTED SIGNS
T-S-10	07-30-25	STANDARD MOUNTING DETAILS FLAT SHEET SIGNS, ALUMINUM-STEEL DESIGN
T-S-11	07-30-25	DELINEATOR AND MILEPOST DETAILS
T-S-12	07-30-25	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, SQUARE TUBES
T-S-13	07-30-25	I-BEAM BREAK-AWAY LARGE SIGN SUPPORT DETAILS
T-S-14	07-30-25	WF-BEAM BREAK-AWAY LARGE SIGN SUPPORT DETAILS
T-S-16	07-30-25	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-16A	07-30-25	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-17	07-30-25	STANDARD GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-18	07-30-25	END OF ROADWAY, DEAD END SIGNS, AND METAL BARRICADES (TYPE III)
T-S-19	07-30-25	STANDARD STEEL SIGN SUPPORTS
T-S-20	07-30-25	SIGN DETAILS
10-201.00 SIGNALS		
T-SG-3B		ALTERNATE DETECTION DETAILS
T-SG-5	12-18-25	CONTROLLER CABINET DETAILS
T-SG-6	12-18-25	PEDESTRIAN SIGNAL DETAILS
T-SG-6A		TYPE A PEDESTAL POLE DETAILS
T-SG-7	12-18-25	SIGNAL HEAD ASSEMBLIES
T-SG-7D	12-18-25	TYPICAL SIGNAL HEAD PLACEMENT TWO-LANE APPROACHES
T-SG-7G	12-18-25	TYPICAL SIGNAL HEAD PLACEMENT THREE-LANE APPROACHES
T-SG-7J	12-18-25	TYPICAL SIGNAL HEAD PLACEMENT FOUR-LANE APPROACHES
T-SG-7K	12-18-25	TYPICAL SIGNAL HEAD PLACEMENT FOUR-LANE APPROACHES
T-SG-9	12-18-25	DETAILS OF CANTILEVER SIGNAL SUPPORT
T-SG-9A	12-18-25	MISCELLANEOUS SIGNAL DETAILS
T-SG-10	12-18-25	MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILS
T-SG-12	12-18-25	TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS
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-M-15A	01-24-25	ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR NON-ACCESS CONTROLLED RURAL ROUTES
T-WZ-10	03-26-25	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-11	03-26-25	ONE LANE CLOSURE DETAIL ON DIVIDED HIGHWAYS
T-WZ-15	03-26-25	INTERIOR LANE CLOSURE FOR EXPRESSWAYS AND FREEWAYS
T-WZ-16	03-26-25	LANE SHIFT FOR DIVIDED HIGHWAYS AND FREEWAYS
T-WZ-18	03-26-25	SHOULDER CLOSURE DETAIL FOR FREEWAYS AND DIVIDED HIGHWAYS
T-WZ-31	03-26-25	TRAFFIC CONTROL 2-LANE, 2-WAY DIVERSION (GREATER THAN 40 MPH)
T-WZ-36	03-26-25	LANE CLOSURE ON LOW-VOLUME 2-LANE HIGHWAY
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

SEALED BY

GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102[illegible]
STATE OF TENNESSEE

7/10/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD TRAFFIC DESIGN DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-9(76)	2

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 47013-3232-94
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	201-01	CLEARING AND GRUBBING	LS	1
(1)	202-01	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
(2)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	3575
(3)	203-03	BORROW EXCAVATION (UNCLASSIFIED)	C.Y.	100
	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	500
(3)	203-05	UNDERCUTTING	C.Y.	100
	203-06	WATER	M.G.	30
	204-08.01	BACKFILL MATERIAL (FLOWABLE FILL)	C.Y.	10
	208-01.05	BROOMING & DEGRASSING SHOULDERS	L.M.	1
(3) (4)	209-02.05	12" TEMPORARY SLOPE DRAIN	L.F.	80
(3) (4)	209-05	SEDIMENT REMOVAL	C.Y.	170
(3) (4)	209-08.07	ROCK CHECK DAM PER	EACH	33
(3) (4)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	5
(3) (4)	209-09.40	CURB INLET PROTECTION (TYPE 1)	EACH	5
(3) (4)	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	1
(3) (4)	209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	14
(5) (6)	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	3790.2
	303-01.01	GRANULAR BACKFILL (ROADWAY)	TON	1000
(3) (4)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	17
(6)	307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	835
(6)	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	448
(6)	307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	94
(6)	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	75
(6)	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	11
(6)	411-01.10	ACS MIX(PG64-22) GRADING D	TON	385
(6)	411-02.10	ACS MIX(PG70-22) GRADING D	TON	980
(6)	411-02.11	ACS MIX(PG70-22) GRADING E RWDY	TON	451
(6)	411-12.02	SCORING SHOULDERS (NON-CONTINUOUS) (16IN WIDTH)	L.M.	1
(7)	415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	800
(8)	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	2588
(8)	607-03.30	18" PIPE CULVERT	L.F.	242
(8)	607-05.02	24" CONCRETE PIPE CULVERT (CLASS III)	L.F.	334
	611-01.03	MANHOLES, > 4' - 8' DEPTH	EACH	3
	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	3
	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB.	135
	611-07.55	18IN ENDWALL (CROSS DRAIN) 4:1	EACH	1
	611-07.58	24IN ENDWALL (CROSS DRAIN) 4:1	EACH	1
	611-12.01	CATCH BASINS, TYPE 12, 0' - 4' DEPTH	EACH	7
	611-12.02	CATCH BASINS, TYPE 12, > 4' - 8' DEPTH	EACH	1
	611-25.01	CATCH BASINS, TYPE 25, 0' - 4' DEPTH	EACH	6
	611-25.02	CATCH BASINS, TYPE 25, > 4' - 8' DEPTH	EACH	5
	611-42.01	CATCH BASINS, TYPE 25, > 4' - 8' DEPTH	EACH	1
(6)	701-01.01	CONCRETE SIDEWAK (4")	S.F.	800
(6)	701-02	CONCRETE DRIVEWAY	S.F.	2200
(6)	701-02.03	CONCRETE CURB RAMP	S.F.	960
(6) (9)	701-03	CONCRETE MEDIAN PAVEMENT (4" THICK)	C.Y.	85
(6)	702-01	CONCRETE CURB	C.Y.	113
(6)	702-03	CONCRETE COMBINED CURB & GUTTER	C.Y.	276
	705-17.84	200 LB (PLASTIC DRUM W/SAND)	EACH	2
	705-17.85	400 LB (PLASTIC DRUM W/SAND)	EACH	4
	705-17.86	700 LB (PLASTIC DRUM W/SAND)	EACH	10
	705-17.87	1400 LB (PLASTIC DRUM W/SAND)	EACH	4
	705-17.88	2100 LB (PLASTIC DRUM W/SAND)	EACH	4
	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	500
	708-02.01	MARKERS (CONCRETE R.O.W. POSTS)	EACH	20

FOOTNOTES

(1) INCLUDES 2 ENDWALLS, 3 CATCHBASINS, 1 MANHOLE, 4000 L.F. OF CURB, 503 L.F. OF 18" PIPE AND 230 L.F. OF 24" PIPE. INCLUDES 130 L.F. OF 6-FOOT CHAINLINK FENCE, 3 STRANDS OF BARBED WIRE , 1-10-FOOT SWINGING GATE, 6 PIPE BOLLARDS AND DECK CHANNEL DRAIN ON TRACT 17. INLUDES 90 L.F. OF 6-FOOT CHAING-LINK FENCES WITH RAILS AND 3 STRANDES OF BARBED WIRE ON TRACT 20

(2) SEE GRADING SPECIAL NOTES ON SHEET 2D

(3) MAY BE INCREASED OR DECREASED AS DIRECTED BY THE TDOT MANAGER.

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

(5) INCLUDES 500 TON FOR MAINTENANCE OF TRAFFIC AND 429 TON FOR DRIVEWAYS.

(6) SEE SHEET 2F1 FOR PAVEMENT QUANTITIES TABULATION BLOCK.

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 47013-3232-94
(3) (10)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	250
(3) (4) (11)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	233
	711-05.72	SINGLE SLOPE HALF CONCRETE BARRIER WALL	L.F.	200
	712-01	TRAFFIC CONTROL	LS	1
(3)	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	5000
(12)	712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH	4
(3)	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	150
(3)	712-05.01	WARNING LIGHTS (TYPE A)	EACH	10
(3)	712-05.03	WARNING LIGHTS (TYPE C)	EACH	75
(3)	712-06	SIGNS (CONSTRUCTION)	S.F.	395
(3)	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	100
(3)	712-08.03	ARROW BOARD (TYPE C)	EACH	2
	713-02.27	CONCRETE BARRIER/PARAPET DELINEATOR (BI-DIRECTIONAL)	EACH	200
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	425
	713-11.21	P POST SLIP BASE	EACH	4
	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	79
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	90
	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	2
	713-16.06	DEAD END SIGN AND SUPPORT	EACH	1
	713-16.07	END OF ROADWAY SIGN AND SUPPORT	EACH	4
(13)	716-01.21	Snwplwble Pvmt Mrkrs (Bi-Dir)(1 Color)	EACH	150
(13)	716-01.22	Snwplwble Pvmt Mrkrs (Mono-Dir)(1 Color)	EACH	50
(13)	716-01.23	Snwplwble Pvmt Mrkrs (Bl-Dir)(2 Color)	EACH	50
	716-01.30	REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	80
(14)	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	50
(14)	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	155
(14)	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	14
(14)	716-02.08	PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.	550
(14)	716-02.09	24" PLASTIC LONGITUDINAL CROSS-WALK	L.F.	200
(14)	716-02.12	PLASTIC PAVEMENT MARKING (8IN LINE)	L.M.	0.3
(14)	716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	3
(15)	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	2
(16)	716-12.01	ENHANCED FLATLINE THERMO PVMT MRKNG (4IN LINE)	L.M.	2
(16) (17)	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	2
(16)	716-13.01	SPRAY THERMO PVMT MRKNG (60 mil) (4IN LINE)	L.M.	2
	717-01	MOBILILIZATION	LS	1
(3) (4)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	655
(4)	740-11.02	TEMPORARY SEDIMENT TUBE 12IN (DESCRIPTION)	L.F.	7000
	801-01	SEEDING (WITH MULCH)	UNIT	10
(18)	801-02	SEEDING (WITHOUT MULCH)	UNIT	50
(19)	801-03	WATER (SEEDING & SODDING)	M.G.	10
(3) (18)	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	25
(20)	803-01	SODDING (NEW SOD)	S.Y.	5000
	805-12.01	EROSION CONTROL BLANKET (TYPE I)	S.Y.	4500

(6) SEE SHEET 2F1 FOR PAVEMENT QUANTITIES TABULATION BLOCK.

(7) COLD PLANNING TO BE USED TO TIES AT EXISTING ROADS AND ADJUSTMENT OF PAVEMENT HEIGHT WHERE NEEDED TO CONSTRUCTION MAINLINE OR SIDEROADS OR AS DIRECTED BY THE TDOT SUPERVISOR.

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

(9) PRICE TO INCLUDE WOVEN WIRE FABRIC.

(10) TO BE USED IN TEMPORARY CONSTRUCTION ENTRANCES.

(11) INCLUDED 13 TON FOR RIP RAP PADS AND 220 TON FOR EROSION PREVENTION AND SEDIMENT CONTROL.

(12) 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 MANUFACTURE'S DRAWING

(13) BID PRICE TO INCLUDE THE REMOVAL OF EXISTING MARKERS.

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

(15) TO BE USED FOR TEMPORARY PAVEMENT MARKING.

(16) TO BE USED FOR FINAL PAVEMENT MARKINGS.

(17) CONTRACTOR SHALL USE THE EXTRUDED OF RIBBON METHOD FOR APPLICATION.

(18) 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 THE TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

(19) INCLUDES 2 MG FOR EROSION PREVENTION AND SEDIMENT CONTROL.

(20) TO BE USED ON ALL SLOPES OR AS DIRECTED BY THE TDOT MANAGER.

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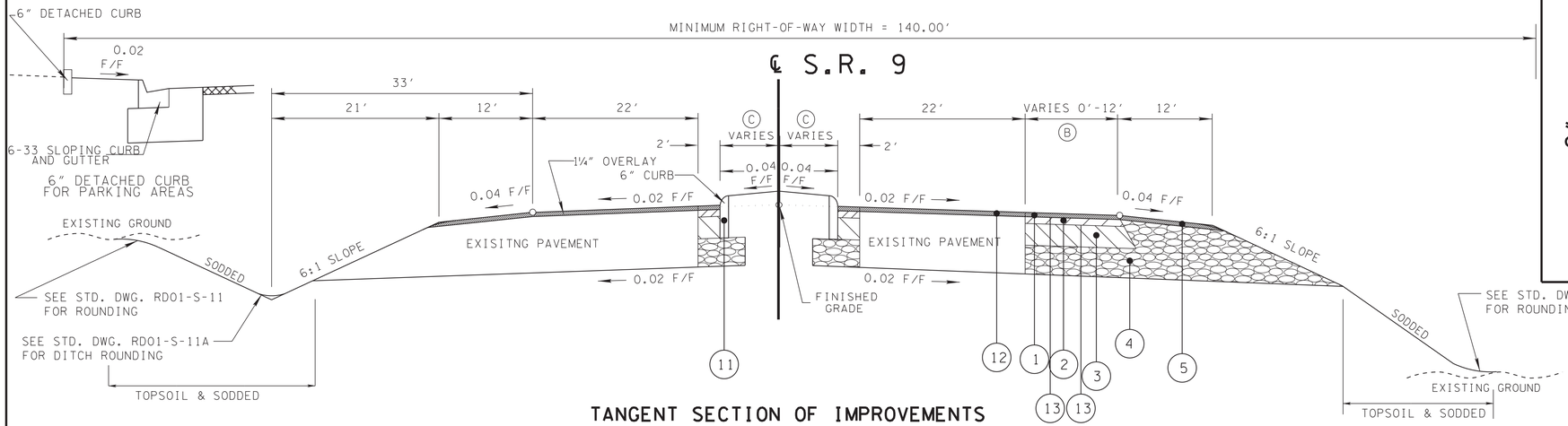
GREGORY A. GRAYSON
REGISTERED ENGINEER
COMMERCE
NO. 102001
STATE OF TENNESSEE

7/20/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

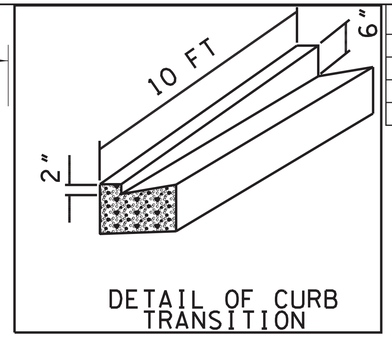
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	2B
PS&E	2026	HSIP-9(76)	2B



TANGENT SECTION OF IMPROVEMENTS

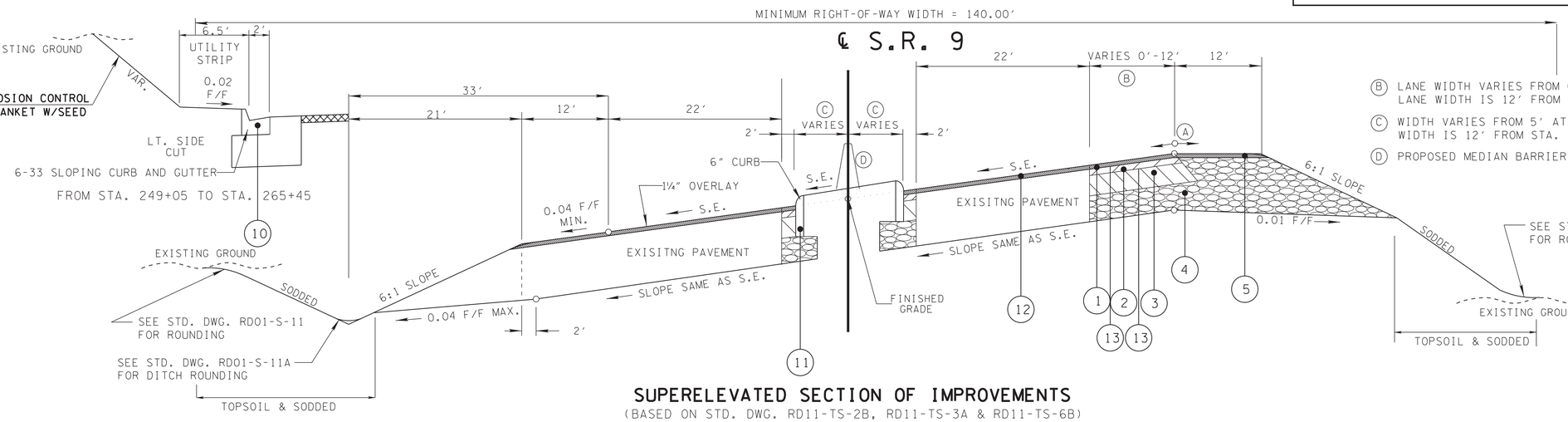
(BASED ON STD. DWG. RD11-TS-2B, RD11-TS-3B & RD11-TS-6B)

FROM STA. 257+85.26 TO STA. 267+06.59



DETAIL OF CURB TRANSITION

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



SUPERELEVATED SECTION OF IMPROVEMENTS

(BASED ON STD. DWG. RD11-TS-2B, RD11-TS-3A & RD11-TS-6B)

FROM STA. 247+01.73 TO STA. 257+85.26

Ⓑ LANE WIDTH VARIES FROM 0' AT STA. 256+45.00 TO 12' AT STA. 258+20.00. LANE WIDTH IS 12' FROM STA. 258+00.00 TO STA. 259+70.00.

Ⓒ WIDTH VARIES FROM 5' AT STA. 247+01.73 TO 12' AT STA. 256+05.26. WIDTH IS 12' FROM STA. 256+05.26 TO STA. 267+00.00.

Ⓓ PROPOSED MEDIAN BARRIER RUNS FROM 252+50.00 TO 254+50.00

PROPOSED PAVEMENT SCHEDULE

① BITUMINOUS SURFACING (ROADWAY) @ 1 1/4" THICK (APPROX. 132.5 LBS./S.Y.)
411-02.10 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "D"

② BITUMINOUS BINDER (ROADWAY) @ 2 1/4" THICK (APPROX. 255 LBS./S.Y.)
307-02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "BM-2"

③ BITUMINOUS AGGREGATE BASE (ROADWAY) @ 4" THICK (APPROX. 460 LBS./S.Y.)
307-02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "A"

④ MINERAL AGGREGATE BASE (ROADWAY) @ 8" THICK AND 16" DEPTH (SHOULDERS)
303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"

⑤ BITUMINOUS SURFACING (SHOULDERS) @ 1 1/2" THICK (APPROX. 159 LBS./S.Y.)
411-02.11 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "E"

⑥ BITUMINOUS SURFACING (ROADWAY) @ 1¼" THICK (APPROX. 132.5 LBS./S.Y.)
411-01.10 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "D"

⑦ BITUMINOUS BINDER (ROADWAY) @ 2" THICK (APPROX. 227 LBS./S.Y.)
307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "BM-2"

⑧ BITUMINOUS AGGREGATE BASE (ROADWAY) @ 3" THICK (APPROX. 345 LBS./S.Y.)
307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "A"

⑨ MINERAL AGGREGATE BASE (ROADWAY) @ 6" THICK AND 12" DEPTH (SHOULDERS)
303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"

⑩ TYPE 6-33 SLOPING CONCRETE COMBINED CURB AND GUTTER
702-03 CONCRETE COMBINED CURB & GUTTER (D=8") (0.07060 YD/LN FT) SEE STD DRAWING RP-SC-1

⑪ 6" SLOPING CONCRETE CURBS
702-01 CONCRETE CURB (0.03841 YD/LN FT) SEE STD DRAWING RP-SC-1

⑫ MILL EXISTNG ASPHALT & OVERLAY BITUMINOUS SURFACING (ROADWAY) @ 1-1/4" THICK (APPROX. 132.5 lbs/Sq Yd)
411-02.10 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING D

⑬ TACK COAT
403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (RATE 0.05-0.10 GAL/S.Y.) (GENERAL USE)
BITUMINOUS MATERIAL FOR TACK COAT (TC) (RATE 0.08-0.12 GAL/S.Y.) (MILLING-COLD PLANE)

⑭ MINERAL AGGREGATE BASE (ROADWAY) @ 10" THICK AND 13" DEPTH (SHOULDERS)
303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"

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GREGORY A. GREEN
REGISTERED ENGINEER
No. 102091
COMMERCE
STATE OF TENNESSEE

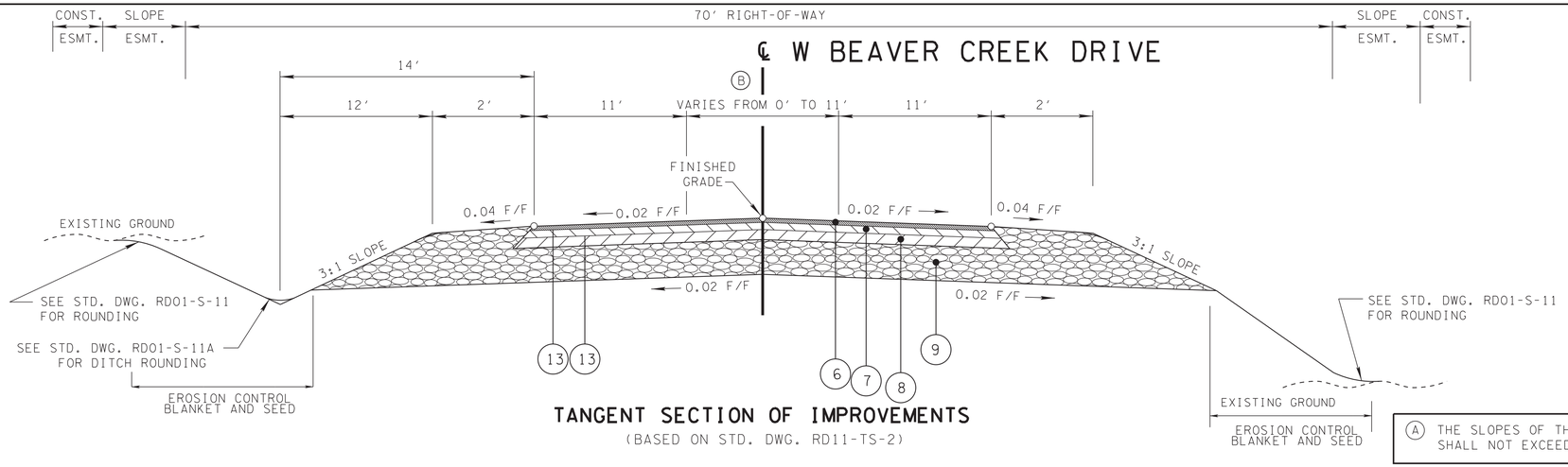
7/6/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND PAVEMENT SCHEDULE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	2B1
PS&E	2026	HSIP-9(76)	2B1



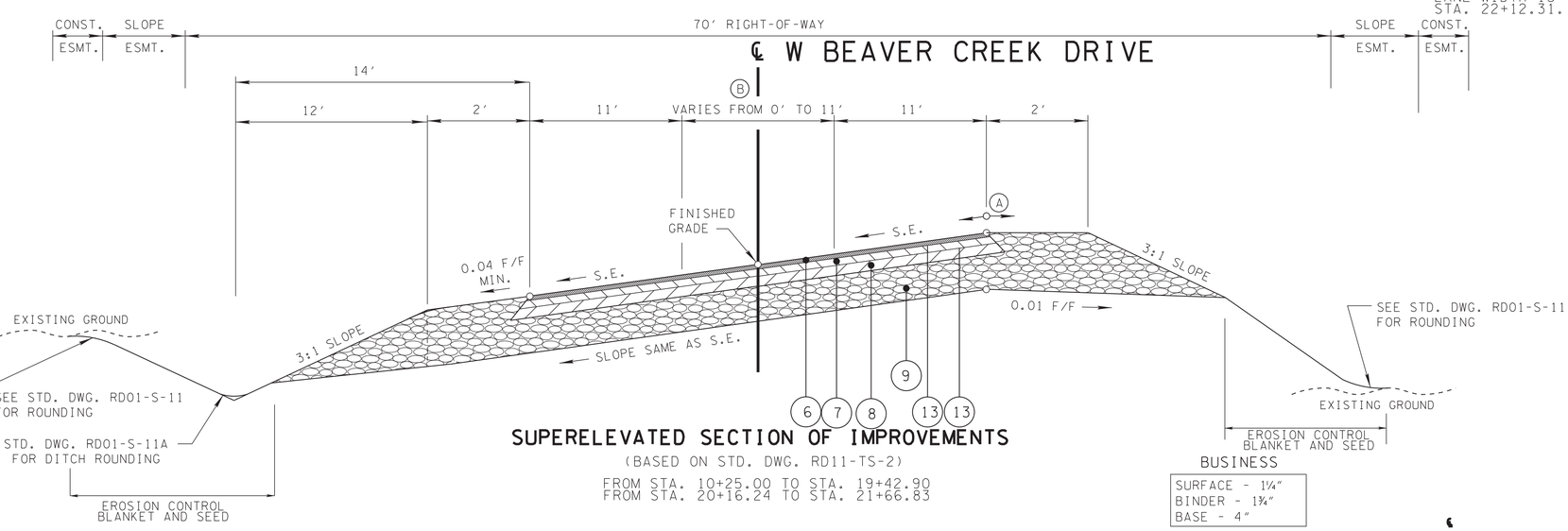
TANGENT SECTION OF IMPROVEMENTS

(BASED ON STD. DWG. RD11-TS-2)

FROM STA. 19+42.90 TO STA. 20+16.24
FROM STA. 21+66.83 TO STA. 22+12.31

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

Ⓑ LANE WIDTH IS 0' FROM STA. 11+00.00 TO STA. 14+00.00. VARIES FROM 0' AT STA. 14+00.00 TO 11' AT STA. 15+50.00. LANE WIDTH IS 11' FROM STA. 15+50.00 TO STA. 22+12.31.



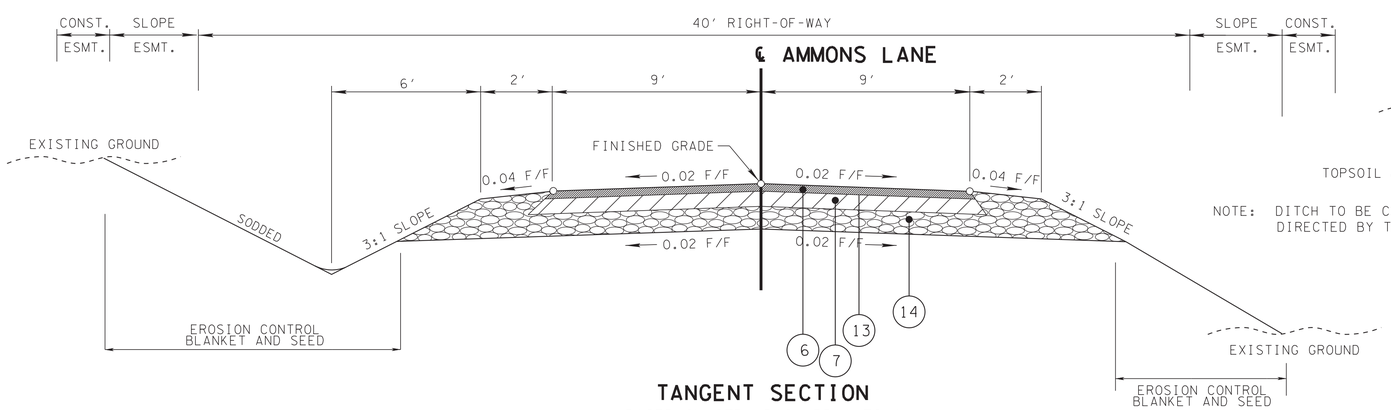
SUPERELEVATED SECTION OF IMPROVEMENTS

(BASED ON STD. DWG. RD11-TS-2)

FROM STA. 10+25.00 TO STA. 19+42.90
FROM STA. 20+16.24 TO STA. 21+66.83

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

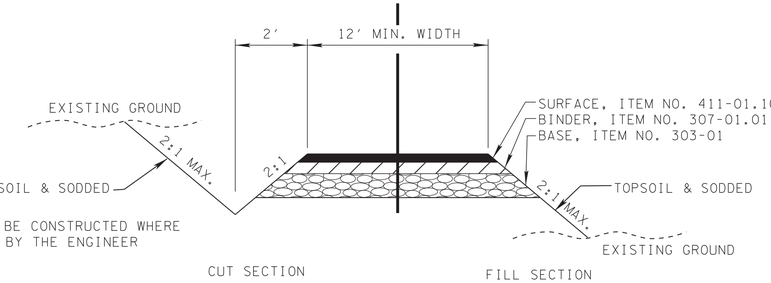
FIELD OR RESIDENTIAL
SURFACE - 1½"
BINDER - NONE
BASE - 4"



TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-1)

FROM STA. 30+00.00 TO STA. 31+50.00



NOTE: DITCH TO BE CONSTRUCTED WHERE DIRECTED BY THE ENGINEER

TYPICAL SECTION

PRIVATE DRIVE TO BUSINESS, FIELD, OR RESIDENTIAL PROPERTY

SEALED BY

GREGORY A. CLEVELAND REGISTERED ENGINEER AGRICULTURE CIVIL COMMERCE NO. 109551 STATE OF TENNESSEE

7/6/2026

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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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

(1) ALL EXISTING ROADS WITHIN THE RIGHT-OF-WAY AND NOT IN THE GRADED AREA THAT ARE TO BE ABANDONED SHALL BE SCARIFIED, OBLITERATED, TOPSOILED AND SEEDED. SCARIFYING AND OBLITERATING THE PAVEMENT WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN THE COST OF OTHER ITEMS. TOPSOIL, IN ACCORDANCE WITH SECTION 203 OF THE STANDARD SPECIFICATIONS, WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 203-04 AND/OR 203-07. SEEDING, IN ACCORDANCE WITH SECTION 801 OF THE STANDARD SPECIFICATIONS, WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 801-01.

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

(3) ITEM NO.805-12.01, EROSION CONTROL BLANKET (TYPE 1) SHALL BE USED ON SLOPES 3:1 OR STEEPER AND OTHER AREAS AS INDICATED IN THE PLANS THAT ARE INACCESSIBLE FOR MOWING.

(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

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

(2) EXCAVATION FOR PIPE CULVERT AND CATCH BASINS WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT WILL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF PIPE (CHOOSE THE APPLICABLE ITEM(S) FROM THE FOLLOWING: PIPE CULVERTS, STORM SEWERS, CONDUITS, ALL OTHER CULVERTS AND MINOR STRUCTURES).

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

(5) WHERE A CULVERT (PIPE, SLAB OR BOX) IS MOVED TO A NEW LOCATION OTHER THAN THAT SHOWN ON THE PLANS, INCREASING OR DECREASING THE AMOUNT OF CULVERT EXCAVATION WILL NOT RESULT IN AN INCREASE OR DECREASE IN THE AMOUNT OF PAYMENT THAT WILL BE MADE DUE TO SUCH CHANGE.

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

(7) ALL EXISTING PIPES AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER THAT ARE TO BE LEFT IN PLACE AND ABANDONED MUST BE BACKFILLED AND PLUGGED. ALL COST FOR THIS WORK SHALL BE INCLUDED IN ITEM NO. 204-08.01, BACKFILL MATERIAL (FLOWABLE FILL), C.Y.

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.

ROAD CLOSURE

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

PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS

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

(3) 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. 716-05.02, PAINTED PAVEMENT MARKING (8" BARRIER LINE), L.F.

FINAL PAVEMENT MARKING

(6) THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE FOLLOWING WORK:

a. BROOMING & DE-GRASSING SHOULDERS SHALL INCLUDE CLIPPING OF MATERIAL INTERFERING WITH PROPER DRAINAGE OF ROADWAY (INCLUDING PAVED AND GRAVEL SHOULDERS), AS DIRECTED BY THE ENGINEER.

b. ALL MATERIAL FROM CLIPPING, BROOMING AND DE-GRASSING SHOULDERS SHALL BE PICKED UP, REMOVED AND PROPERLY DISPOSED AS DIRECTED BY THE ENGINEER.

c. ALL COSTS ASSOCIATED WITH PICKING UP, REMOVAL AND PROPER DISPOSAL SHALL BE PAID FOR UNDER ITEM NO. 208-01.05.

d. REMOVE ALL GARBAGE AND CONSTRUCTION DEBRIS FROM PROJECT. THE COST FOR THIS WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.

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

(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 S.R. 9 WILL BE INSTALLED AND MAINTAINED TO THE SAME STANDARDS AS FOR PERMANENT MARKINGS ON THE MAIN ROADWAY. THESE MARKINGS SHALL BE IN PLACE PRIOR TO ALLOWING TRAFFIC ONTO THE PAVEMENT. THESE PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO.716-05.20 PAINTED PAVEMENT MARKING (6IN LINE, L.M.

SNOWPLOWABLE REFLECTIVE PAVEMENT MARKERS

(19) REMOVE EXISTING SNOWPLOWABLE MARKERS PRIOR TO PAVING AND/OR COLD PLANING. REMOVE ALL ADHESIVES PRIOR TO PAVING. PATCH ANY HOLES OR DIVOTS RESULTING FROM THE REMOVAL OF A MARKER IN A MANNER WHICH ENSURES A UNIFORM PAVED SURFACE. PATCH WORK SHALL BE INCLUDED WITH COST OF OTHER ITEMS OF CONSTRUCTION.

PAVEMENT

PAVING

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

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

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

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.

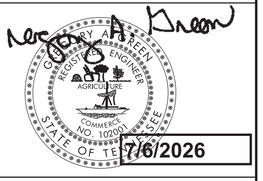
(3) THE LENGTHS OF ALL SIGN SUPPORTS SHOWN ON THE SIGN SCHEDULE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THE LENGTHS WERE COMPUTED FROM THE CROSS-SECTIONS CONTAINED IN THE CONSTRUCTION PLANS. IN THE EVENT THE SUPPORT LENGTHS ARE 2 FEET SHORTER OR LONGER THAN SHOWN ON THE PLANS, THE ENGINEER SHALL VERIFY THE SUPPORT TYPE WITH THE TRAFFIC DESIGN DIVISION, SIGNING SECTION, TELEPHONE NO. (615)-741-0802. THE CONTRACTOR SHALL VERIFY ALL SUPPORT LENGTHS AT THE SITE PRIOR TO ORDERING MATERIAL.

(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.

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(6) THE CONTRACTOR SHALL BE REQUIRED TO FURNISH LAYOUT DRAWINGS OF ALL EXTRUDED PANEL SIGNS WITH SPACING OF ALL LETTERS, NUMERALS, SHIELDS, AND ARROWS. ONE PDF SET OF THE LAYOUT DRAWINGS SHALL BE SENT TO THE TRAFFIC DESIGN DIVISION, SIGNING SECTION (TDOT.TrafficDesign.SignsandMarking@tn.gov) FOR REVIEW. ONE PDF SET OF THE LAYOUT DRAWINGS SHALL BE SENT TO THE REGIONAL SIGN DESIGNER FOR REVIEW.

(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.

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

(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.

SIGNALIZATION

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

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

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

(9) AN ADVANCE FLASH OPERATION PERIOD IS REQUIRED TO MAKE MOTORISTS AWARE OF THE PRESENCE OF NEW SIGNAL HEADS. NEW SIGNAL HEADS SHALL BE PUT IN FLASH OPERATION FOR MINIMUM OF SEVEN (7) CALENDAR DAYS UP TO FOURTEEN (14) CALENDAR DAYS PRIOR TO ACTIVATION OF NORMAL TRAFFIC SIGNAL OPERATION. OTHER FLASH OPERTATION TIME PERIODS MAY BE CONSIDERED UPON WRITTEN APPROVAL FROM THE REGIONAL TRAFFIC ENGINEER.

(10) THE CONTRACTOR SHALL CONTACT KNOX COUNTY ENGINEERING AND PUBLIC WORKS A MINIMUM OF THIRTY (30) DAYS PRIOR TO ACTIVATION OF THE SIGNAL TO OBTAIN THE INITIAL SIGNAL TIMINGS.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

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

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

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

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

(5) USE OF BARRICADES, PORTABLE BARRIER RAILS, 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.

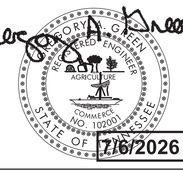
(6) THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS 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.

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

(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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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.

(6) THE CONTRACTOR SHALL CONSTRUCT AND COMPACT ALL EMBANKMENTS AND BRIDGE APPROACHES WITHIN THE PROJECT LIMITS AS PER 205.04.C IN THE STANDARD SPECIFICATIONS FOR DEGRADABLE ROCK. STOCKPILING OF NON-DEGRADABLE MATERIAL MAY BE REQUIRED FOR USE IN CAPPING EMBANKMENT. NO SEPARATE PAYMENT WILL BE MADE FOR STOCKPILING OR ADDITIONAL HANDLING OF NON-DEGRADABLE MATERIAL.

DEMOLITION

DEMOLITION OF BUILDINGS

(1) IF THE ASBESTOS SURVEY AND ABATEMENT IS NOT PART OF THE CONTRACT, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE TDOT HAZARDOUS MATERIALS OFFICE TO VERIFY THAT AN ASBESTOS SURVEY HAS BEEN COMPLETED FOR ANY BUILDING TO BE REMOVED. IN THE CASE THAT NO SURVEY HAS BEEN COMPLETED THE CONTRACTOR SHALL COORDINATE WITH THE HAZARDOUS MATERIAL OFFICE IN SCHEDULING A SURVEY.

(2) ASBESTOS-CONTAINING MATERIALS (ACM) ABATEMENT SHALL BE COMPLETED PRIOR TO ANY DEMOLITION ACTIVITIES FOR BUILDINGS INCLUDED IN THE PROJECT. 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.

PAVEMENT

RESURFACING

(2) THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE FOLLOWING WORK:

A. BROOMING & DEGRASSING SHALL INCLUDE NOTCHING THE GRAVEL SHOULDER PRIOR TO MILLING. THE NOTCH SHALL BE 1.5 IN DEEP AND 2 FT WIDE, OR AS DIRECTED BY THE TDOT PROJECT ENGINEER.

B. ALL MATERIAL FROM NOTCHING AND BROOMING SHOULDERS SHALL BE PICKED UP, REMOVED AND PROPERLY DISPOSED AS DIRECTED BY THE TDOT PROJECT ENGINEER.

C. ALL COSTS ASSOCIATED WITH NOTCHING, PICKING UP, REMOVAL AND PROPER DISPOSAL SHALL BE PAID FOR UNDER ITEM NO. 208-01.05.

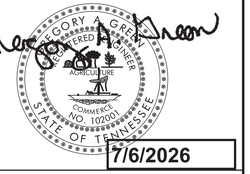
SIGNALIZATION

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

MULTIMODAL

(1) DURING CONSTRUCTION, IF THE CONSTRUCTION SUPERVISOR IDENTIFIES CURB RAMP LOCATIONS WITHIN THE PROJECT LIMITS WHERE THE TDOT ROADWAY STANDARDS CANNOT BE USED DUE TO SITE LIMITATIONS, A SKETCH OR PICTURE, SHOWING EXISTING CONDITIONS AS WELL AS PROPOSED MODIFICATIONS SHOULD BE SUBMITTED TO THE REGIONAL PROJECT DEVELOPMENT OFFICE THREE WEEKS PRIOR TO THE BEGINNING OF CURB RAMP CONSTRUCTION. THE OFFICE WILL REVIEW AND EVALUATE THE LOCATIONS TO DEVELOP PROPER CURB RAMP DESIGN THAT WILL MEET REGULATIONS.

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ENVIRONMENTAL NOTES

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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 ROADWAY DESIGN DIVISION 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 PRECONSTRUCTION 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.

SCOPE OF WORK

(1) THIS PROJECT INCLUDES THE GRADING, DRAINAGE, BASE, PAVEMENT, SIGNS AND SIGNALS FOR S.R. 9 (U.S. 25W) (CLINTON HIGHWAY) AND ALL SIDEROADS TO LINES AND GRADES AS INDICATED ON THE TYPICAL CROSS-SECTIONS AND PLAN AND PROFILE SHEETS OR AS DIRECTED BY THE TDOT MANAGER.

(2) CONSTRUCTION OF PRIVATE DRIVES TO LINES AND GRADES AS INDICATED ON THE PLANS OR AS DIRECTED BY THE TDOT MANAGER.

(3) CONSTRUCTION OF ALL DITCHES, SIGNING, APPLICATION OF EROSION PREVENTION AND SEDIMENT CONTROL DEVICES, SEEDING, PAVEMENT MARKINGS, INSTALLATION OF THE TRAFFIC CONTROL DEVICES, SIGNALS AND OTHER DESIGN FEATURES AS INDICATED ON THE PLANS OR AS DIRECTED BY THE TDOT MANAGER

SEALED BY

Gregory A. Green

REGISTERED ENGINEER
AGRICULTURE
COMMERCIAL
NO. 102001
STATE OF TENNESSEE

7/6/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2019	HSIP-9(76)	2E
PS&E	2026	HSIP-9(76)	2F

CATCH BASINS AND MANHOLES

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/ TOP ELEV.	INVERT ELEV.	DEPTH (FT.)	INSIDE DIM.	STANDARD DRAWING NO.	PAY ITEMS					
										TYPE 3 611-01.03 8'-12'	TYPE 12 611-12.01 0'-4'	TYPE 12 611-12.02 4'-8'	TYPE 25 611-25.01 0' - 4'	TYPE 25 611-25.02 4' - 8'	TYPE 42 611-42.01 0' - 4'
4B	S.R. 9	249+60.00	5.50' RT	1	1077.4		4	32" X 32"	D-CB-25LP				1		
4B	S.R. 9	251+44.00	5.89' RT	2	1065.5		4	32" X 32"	D-CB-25LP				1		
4B	S.R. 9	254+42.00	8.37' RT	3	1047.6		4.49	32" X 32"	D-CB-25LP					1	
5B	S.R. 9	259+50.00	10.00' LT	6	1024.4		4.5	32" X 32"	D-CB-25LP					1	
5B	S.R. 9	256+57.00	10.00' RT	7	1036.4		4.88	32" X 32"	D-CB-25LP					1	
5B	S.R. 9	256+95.89	11.53' RT	8	1033.7		5.16	NO. 3 MH	D-MH-2	1					
5B	S.R. 9	257+56.95	70.27' RT	9	1027.51		4.16	5'-2" X 5'-2"	D-MH-2	1					
5B	S.R. 9	259+50.00	6.00' RT	10	1024.4		5.13	32" X 32"	D-CB-25LP					1	
5B	S.R. 9	259+94.00	85.37' RT	11	1020.15		3.95	32" X 32"	D-CB-42LP						1
5B	S.R. 9	261+56.00	6.00' RT	13	1020.1		4.92	32" X 32"	D-CB-25LP					1	
5B	S.R. 9	263+84.00	6.00' RT	14	1015		4	32" X 32"	D-CB-25LP				1		
5B	S.R. 9	263+95.00	10.00' RT	15	1015.3		4	32" X 32"	D-CB-25LP				1		
5B	S.R. 9	266+96.00	10.00' RT	16	1009.3		2.8	32" X 32"	D-CB-25LP				1		
5B	S.R. 9	266+96.00	10.00' LT	17	1009.4		2.9	32" X 32"	D-CB-25LP				1		
5B	S.R. 9	267+03.53	0.72' LT	18	1010		3.93	NO. 3 MH	D-MH-2	1					
4B	S.R. 9	253+95.00	48.37' LT	19	1048.1		4	32" X 32"	D-CB-12LP		1				
5B	S.R. 9	256+25.00	50.00' LT	20	1034.55		4	32" X 32"	D-CB-12LP		1				
5B	S.R. 9	258+00.00	50.00' LT	21	1028		4	32" X 32"	D-CB-12LP		1				
5B	S.R. 9	259+10.00	50.00' LT	22	1024.45		4	32" X 32"	D-CB-12LP		1				
5B	S.R. 9	261+05.00	50.00' LT	23	1020.3		4	32" X 32"	D-CB-12LP		1				
5B	S.R. 9	262+50.00	50.00' LT	24	1017.4		4	32" X 32"	D-CB-12LP		1				
5B	S.R. 9	265+10.00	50.00' LT	25	1012.4		4	32" X 32"	D-CB-12LP		1				
5B	S.R. 9	265+42.00	10.00' LT	26	1012.35		4.5	32" X 32"	D-CB-12LP			1			
TOTALS										3	7	1	6	5	1

SIDE DRAIN TABULATION

STATION	LOCATION LT.	LOCATION RT.	DESCRIPTION	SURFACE WIDTH FT.	SKEW	RCP CLASS III OR CMP 16 GA OR PVC OR SRTRP OR HDPE OR PP (L.F.) FILL HEIGHT ≤ 10 FT. 18"	RCP CLASS III OR CMP 16 GA OR PVC OR SRTRP OR HDPE OR PP (L.F.) FILL HEIGHT ≤ 10 FT. 24"	RCP CLASS III OR CMP 14 GA OR PVC OR SRTRP OR HDPE OR PP (L.F.) FILL HEIGHT > 10 FT. AND ≤ 16 FT 18"	RCP CLASS III OR CMP 14 GA OR PVC OR SRTRP OR HDPE OR PP (L.F.) FILL HEIGHT > 10 FT. AND ≤ 16 FT 24"	REMARKS
249+31.72	X		PRIVATE DRIVE	12	71°	28				
251+70.00	X		BUSINESS ENTRANCE	50	90°					
254+42.00	X		BUSINESS ENTRANCE	40	90°					
256+56.00	X		BUSINESS ENTRANCE	30	90°					
258+35.00	X		BUSINESS ENTRANCE	30	90°					
259+45.00	X		BUSINESS ENTRANCE	30	90°					
261+48.00	X		BUSINESS ENTRANCE	40	90°					
263+02.00	X		BUSINESS ENTRANCE	40	90°					
263+75.00	X		BUSINESS ENTRANCE	40	90°					
265+65.00	X		BUSINESS ENTRANCE	40	90°					
30+45.00		X	PRIVATE DRIVE	20	90°					
13+67.02	X		BUSINESS ENTRANCE	20	72°	40				
14+21.00	X		BUSINESS ENTRANCE	16	90°	40				AMMONS LANE
15+69.00	X		BUSINESS ENTRANCE	24	90°	44				W BEAVER CREEK DR.
17+00.00	X		BUSINESS ENTRANCE	24	90°	44				W BEAVER CREEK DR.
17+00.00		X	BUSINESS ENTRANCE	24	90°	46				W BEAVER CREEK DR.
21+43.51		X	BUSINESS ENTRANCE	28	80°					W BEAVER CREEK DR.
TOTALS						242				

RIGHT OF WAY MARKERS

Item #: 708-02.01

SHEET NO.	QUANTITIES "A"	"B"	"C"	TOTALS
5B	6	1	13	20
TOTALS	6	1	13	20

SEALED BY

GREGORY ALLEN GREEN
REGISTERED ENGINEER
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COMMISSION NO. 102001
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7/6/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2019	HSIP-9(76)	2E1
PS&E	2026	HSIP-9(76)	2F1

CROSS DRAIN \ MEDIAN DRAIN ENDWALLS

LOCATION	STATION	OFFSET (FT.)	SKEW	CODE	TYPE	STANDARD DRAWING NO.	RIP-RAP CLASS A-1 709-05.06 (TON)	PROTECTED ENDWALLS CLASS "A" CONCRETE 611-07.01 (C.Y.)	PROTECTED ENDWALLS STEEL BAR REINFORCING 611-07.02 (LB.)	18 IN. 4:1 07.55 (EACH)	24" IN. 4:1 07.58 (EACH)
W BEAVER CREEK \ 4B	22+24.41	34.70' LT	45º	4º	18" ST. E.W.	D-PE-4		1.0	45		
W BEAVER CREEK \ 5B	21+95.82	33.15' LT	45º	5º	18" ST. E.W.	D-PE-4		1.0	45		
S.R. 9 \ 5B	260+91.00	65.50' RT	90º	12º	24" 'U' E.W.	D-PE-24A&24B					1
AMMONS LANE	30+13.43	25.75' RT	75º	27º	18" ST. E.W.	D-PE-4		1.0	45		
AMMONS LANE	30+29.82	28.75' LT	75º	28º	18" 'U' E.W.	D-PE-18A&18B				1	
TOTALS								**3.0**	**135**	**1**	**1**

ESTIMATED GRADING QUANTITIES

DESCRIPTION	UNADJUSTED VOLUMES (CY) EXC.	UNADJUSTED VOLUMES (CY) EMB.	ADJUSTED VOLUMES (CY) EXC.
MAINLINE	926	1202	880
SIDE ROADS	1995	339	1896
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES	140	5	133
INDEPENDENT DITCHES			
TEMPORARY CONSTRUCTION EXITS	29		28
OTHER (BRIDGE EXCAVATION, PAVEMENT, ETC...)			
TOPSOIL (EMB.)	45		
TOPSOIL (EXC.)	440		
TOPSOIL TOTALS (SEE TOPSOIL TABLE)			

BALANCE SUMMARY

SHRINK = 5 % SWELL = 10 %

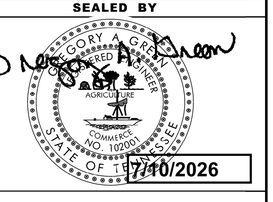
EXC.		EMB.
2936	VS.	-1546
AVAILABLE	=	1390
WASTE MATERIAL	=	1460

ROCK (C.Y.) EXC.	ROCK (C.Y.) EMB.	TOTALS (C.Y.) EXC. (UNCL.)	EMB. (UNCL.)	EXC (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
0	0	3575	1546	3575	3090	2936

PAVEMENT QUANTITIES

LOCATION (ROADWAY)	TYPE - GRADE - PAY ITEM (TON) MINERAL AGG. D 303-01	BITUMINOUS PLANT MIX BASE (HOT MIX) A 307-01.01	A 307-02.01	B-M2 307-01.08	B-M2 307-02.08	TACK COAT 403-01	ASPHALTIC CONCRETE SURFACE (HOT MIX) D 411-01.10	D 411-02.10	E 411-02.11	CONCRETE SIDEWALK S.F. 701-01.01	CONCRETE DRIVEWAY S.F. 701-02	CONCRETE CURB RAMP S.F. 701-02.03	6" SLOPING CURB C.Y. 702-01	6" CURB DETACHED C.Y. 702-01	6" CURB AND GUTTER C.Y. 702-03
S.R. 9	639.1		93.5		74.8	9.0		980.0	451.0	800.0	2200.0	960.0	50.5	20.7	275.3
W BEAVER CREEK	1940.4	634.5		409.7		0.7	236.7						41.1		
AMMONS LANE	281.6			38.5		0.1	22.0								
DRIVEWAYS	428.7					0.6	125.9								
MAINTENANCE	500.0	200.0													
TOTALS	**3789.8**	**834.5**		**448.2**	**74.8**	**10.4**	**384.6**	**980.0**	**451.0**	**800.0**	**2200.0**	**960.0**	**91.6**	**20.7**	**275.3**

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	3
PS&E	2026	HSIP-9(76)	3

RIGHT-OF-WAY

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

(2) ALL RAMPS MUST CONFORM TO THE DEPARTMENT'S "POLICY ON FINANCING CONSTRUCTION OF PUBLIC ROAD INTERSECTIONS AND DRIVEWAYS ON HIGHWAY RESURFACING, RECONSTRUCTION AND CONSTRUCTION PROJECTS ON NEW LOCATIONS", THE MANUAL ON RULES AND REGULATIONS FOR CONSTRUCTING DRIVEWAYS ON STATE HIGHWAY RIGHT-OF-WAY, STANDARD 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 EDGE OF PAVEMENT AND THE REMAINDER OF THAT DRIVEWAY REPLACED IN KIND TO A TOUCHDOWN POINT.

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

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

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

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

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

UTILITIES

(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

CABLE:
XFINITY (COMCAST)
1725 WEARS VALLEY ROAD
SEVIERVILLE, TN 37862
CONTACT: ROGELIO GOMEZ
OFFICE PHONE: 865 985 4481
CELL PHONE:
Email:

ELECTRIC:
KNOXVILLE UTILITY BOARD
P.O. BOX 59017 (37950-9017)
4505 MIDDLEBROOK PIKE
KNOXVILLE, TN 37921-5599
CONTACT: SARA AUER
OFFICE PHONE: 865 789 9400
CELL PHONE:
Email: Sara.auer@kub.org

GAS:
KNOXVILLE UTILITY BOARD
P.O. BOX 59017 (37950-9017)
4505 MIDDLEBROOK PIKE
KNOXVILLE, TN 37921-5599
CONTACT: TIM KELLY
OFFICE PHONE: 865 558 2577
CELL PHONE: 865 320 2681
Email: Timothy.kelly@kub.org

TELEPHONE:
ATT
9733 PARKSIDE DRIVE
KNOXVILLE, TN 37922
CONTACT: JAY FRAIZER
OFFICE PHONE: 865 539 8579
CELL PHONE: 865 387 2685
Email: jf092g@att.com

WATER:
HALLSDALE POWELL UTILITY DISTRICT
P.O.BOX 5199 3745
CUNNINGHAM ROAD (37918)
KNOXVILLE, TN 37928-0199
CONTACT: DEREK FREAR
OFFICE PHONE: 865 922 7547
CELL PHONE:
Email: dfear@hpud.org

ELECTRIC:
TENNESSEE VALLEY AUTHORITY
1101 MARKET STREET, MR-4G
CHATTANOOGA, TN 37402
CONTACT: STEPHEN WILLIAMS
CELL PHONE; 662 255 6272

EMAIL; SEWILLIAMS@TVA.GOV

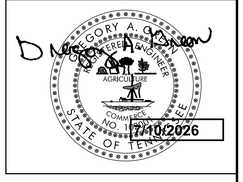
CABLE:
MCI/VERIZON/BROOKS
603 WAREHOUSE PARK LANE
KNOXVILLE, TN 37932
CONTACT: STANLEY MAJKA
OFFICE PHONE: 615 428 4943

Email: Stanley.m.majka@verision.com

TELEPHONE:
FRONTIER COMMUNICATIONS
725 E. MARKHAM AVENUE
DURHAM, NC 27701
CONTACT: CHAD FOSTER
OFFICE PHONE: 919 471 3654
CELL PHONE: 919 886 8028
Email: Chad.d.foster@ftr.COM

SEWER:
HALLSDALE POWELL UTILITY DISTRICT
P.O.BOX 5199
3745 CUNNINGHAM ROAD (37918
KNOXVILLE, TN 37928-0199
CONTACT: DEREK FREAR
OFFICE PHONE: 865 922 7547
CELL PHONE:
Email: dfear@hpud.org

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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

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R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA ACRES			AREA TO BE ACQUIRED ACRES			AREA REMAINING ACRES		EASEMENT (SQUARE FEET)		
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE BK.	DEED DOCUMENT REFERENCE PAGE	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM. DRAINAGE	SLOPE	CONST.
~~1~~	~~BETTY JOE CHAMBERS AND MARVIN E CHAMBERS~~	~~067~~	~~205~~	~~5223~~	~~247~~	~~0.953~~		~~0.953~~				~~0.953~~				
~~2~~	~~TERESA LYNN CARNES~~	~~067~~	~~197~~	~~20070313~~	~~0074417~~	~~6.213~~		~~6.213~~				~~6.213~~				
~~3~~	~~MARION E EVANS (LIFE EST) & GORDON L EVANS & DEAN A EVANS~~	~~067~~	~~106~~	~~20150518~~	~~0064630~~	~~2.448~~		~~2.448~~				~~2.448~~				
~~4~~	~~MARION E EVANS (LIFE EST) & GORDON L EVANS & DEAN A EVANS~~	067	195	20150518	0062642	2.237		2.237				2.237				
~~5~~	~~WILLIAM T GILLESPIE AND WIFE, STEPHANIE GILLESPIE~~	~~067~~	~~194~~	~~20021104~~	~~0039357~~	~~1.010~~		~~1.010~~				~~1.010~~				
6	EARL R LAMBERT AND JACK H LAMBERT	067	198	1528	1106	4285 S.F.		4285 S.F.	128 S.F.		128 S.F.	4157 S.F.				
~~7~~	~~SOLID ROCK BAPTIST CHURCH~~	~~067~~	~~190~~	~~1857~~	~~1093~~		~~2.007~~	~~2.007~~					~~2.007~~			
8	UNUSED															
~~9~~	~~CARROL R. BROCK~~	~~067~~	~~079~~	~~1635~~	~~802~~	~~1700 S.F.~~		~~1700 S.F.~~				~~1700 S.F.~~				
10	MLR, INC.	067	078	20181115	0030987	7.586		7.586	2053 S.F.		2053 S.F.	7.539				1295
~~11~~	~~GAIL LUDLOW (LIFE EST) & APPEN LEE & CRYSTAL SHUMATE~~	~~067~~	~~068~~	~~20060421~~	~~0070412~~	~~1.309~~		~~1.309~~				~~1.309~~				
~~12~~	~~CARROL R. BROCK~~	~~067~~	~~080~~	~~1635~~	~~802~~	~~0.819~~		~~0.819~~				~~0.819~~				
(2) 13	GARY CLENDENEN AND WIFE, SUSAN CLENDENEN, AND MARK K. CLENDENEN	067	081	20170424	0064630	0.289		0.289				0.289				
14	M.L.R., INC.	067	08301	1970	525	1.097	0.804	1.901	0.333	0.238	0.571	0.764	0.566		1636	4278
(4) 14S	M.L.R., INC.	067	08301	1970	525	0.764	0.566	1.330				0.764	0.566			
15	MAX B. NICHOLS, JR	067	07701	20051012	0033269	0.672	0.133	0.805	3860 S.F.	3782 S.F.	0.176	0.583	2020 S.F.		772	1830
~~16~~	~~TIMOTHY H. CARROLL D/B/A CARROLL HEATING & AIR~~	~~067~~	~~07705~~	~~20090813~~	~~0012159~~		~~0.355~~	~~0.355~~					~~0.355~~			
17	LISA ALISON STRANG CARROLL	067	077	2140	1076	0.509	0.474	0.983	0.125	0.125	0.250	0.384	0.349		888	0.151 AC
				WB253	360											(3)
(4) 17S	LISA ALISON STRANG CARROLL	067	077	2140	1076	0.384	0.349	0.733				0.384	0.349			
				WB253	360											
18	PATRICIA LAMBERT	067	070	20220928	0019906	2174 S.F.	4.127	4.177	2174 S.F.	0.146	0.196		3.981			754
19	HUFF PROPERTIES LLC	067	082	12232024	0033170	0.325		0.325	133 S.F.		133 S.F.	0.322				213
20	MARSH PROPERTIES, LLC	067	084	20130703	0001073	0.140	1.497	1.637	4309 S.F.	0.105	0.204	1810 S.F.	1.392		720	830
~~21~~	~~7128 CLINTON HWY LLC~~	~~067~~	~~085~~	~~20081128~~	~~0036402~~		~~6.010~~	~~6.010~~					~~6.010~~			
~~22~~	~~CMH HOMES, INC~~	~~067~~	~~086~~	~~20060626~~	~~0108700~~	~~3.156~~		~~3.156~~				~~3.156~~				
~~23~~	~~TENNESSEE STATE BANK~~	~~067~~	~~087~~	~~20150129~~	~~0040733~~		~~5.249~~	~~5.249~~					~~5.249~~			

(1) FOR EROSION PREVENTION AND SEDIMENT CONTROL WORKING ROOM.

(2) FOR DAMAGES ONLY.

(3) INCLUDES 1.516 S.F. OF TEMPORARY CONSTRUCTION EASEMENT FOR EROSION PREVENTION AND SEDIMNET CONTROL AND 0.116 AC. FOR TEMPORARY CONSTRUCTION EASEMENT FOR THE REMOVAL OF STRUCTURE AND FOR A DURATION OF 6 MONTHS.

(4) TO BE USED FOR UTILITY ADJUSTMENTS.

DISTURBED AREA

IN BETWEEN SLOPE LINES	2.366	(AC)
15 FOOT WIDE STRIP (OUT SIDE SLOPE LINES)	2.462	(AC)
TOTAL DISTURBED AREA	4.828	(AC)
TOTAL PROJECT AREA	7.290	(AC)

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	3A
PS&E	2026	HSIP-9(76)	3A

REV. 2-11-20

REVISED SLOPE EASEMENT AREAS FOR TRACTS 14, 15 AND 17. REVISED CONSTRUCTION EASEMENT AREA FOR TRACT NO. 18.

REV. 4-26-22

REMOVED LINE STRIKETHOUGH ON TRACT 13 AND ADDED NOTE 2.

REV. 5-17-23

REVISED OWNERS NAME AND DEED REFERENCE FOR TRACT NOS. 10, 17 AND 18.

ADDED TEMPORARY CONSTRUCTION EASEMENT AND NOTE 3 TO TRACT NO. 17.

REV. 12-11-23

REVISED TEMPORARY CONSTRUCTION EASEMENT AND NOTE 3 TO TRACT NO. 17.

REV. 7-16-26

ADDED TRACTS 14S AND 17S ALONG WITH NOTE 4.

REVISED PROPERTY OWNER ON TRACT 19.

SEALED BY

GARY A. GREENEMAN REGISTERED PROFESSIONAL ENGINEER AGRICULTURE COMMERCE NO. 102001 STATE OF TENNESSEE

7/20/2026

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY ACQUISITION TABLE

47013-3232-94
BEGIN PROJ. NO. HSIP-9(76) CONST.
STA. 247+01.73
N 617246.2083
E 2550515.3255

SR9 STA. 249+65.00 =
LAKEWOOD LANE STA. 10+00.00
N 617465.8422
E 2550371.8089

W BEAVER CREEK STA. 13+67.02 =
AMMONS LANE STA. 30+00.00
N 618352.7767
E 2549688.8931

SR9 STA. 260+37.56 =
W BEAVER CREEK DRIVE STA. 20+00.00
N 617830.7668
E 2549393.5931

47013-3232-94
END PROJ. NO. HSIP-9(76) CONST.
STA. 267+06.59
N 617930.7460
E 2548732.0781

47013-2232-94
BEGIN PROJ. NO. HSIP-9(76) R.O.W.
STA. 250+79.66
N 617545.9053
E 2550290.8240

47013-2232-94
END PROJ. NO. HSIP-9(76) R.O.W.
STA. 261+00.00
N 617840.0974
E 2549331.8566

250
255
260
265

LAKEWOOD LANE
OLD CLINTON PIKE
CLINTON HWY. (S.R. 9, U.S. 25W)
W. BEAVER CREEK DRIVE
AMMONS LANE
BEAVER CREEK DRIVE
PRES. ROW
PROP. R.O.W.
10' CONST. ESMT.
SLOPE ESMT.
75' TVA TRANSMISSION LINE EASEMENT

LEGEND
CONST. ESMT
SLOPE ESMT

N

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	3B
PS&E	2026	HSIP-9(76)	3B

REV. 4-26-22
REMOVED LINE STRIKETHOUGH ON TRACT 13.

REV. 5-17-23
REVISED OWNERS NAME FOR TRACT NOS. 10, 17 AND 18.
ADDED TEMPORARY CONSTRUCTION EASEMENT TO TRACT NO. 17.

REV. 12-11-23
EXTENDED TEMPORARY CONSTRUCTION EASEMENT TO TO PROPOSED RIGHT OF WAY FOR TRACT NO. 17.

SEALED BY
GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE
7/6/2026

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

SCALE: 1"=100'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	4
PS&E	2026	HSIP-9(76)	4

REV. 5-17-23

REVISED OWNERS NAME FOR TRACT NO. 10.

POINT	NORTH	EAST	ELEV.	STATION	OFFSET	DESC
XCP12	617593.7484	2550316.2840	1070.0300	250+90.94	52.0386	DISC 47-9-12

47013-3232-94

BEGIN PROJ. NO. HSIP-9(76) CONST.

STA. 247+01.73
N 617246.2083
E 2550515.3255

47013-2232-94

BEGIN PROJ. NO. HSIP-9(76) R.O.W.

STA. 250+79.66
N 617545.9053
E 2550290.8240

SR9 STA. 249+65.00 =
LAKEWOOD LANE STA. 10+00.00
N 617465.8422
E 2550371.8089

S.R. 9 STA. 247+01.73
N 617246.2083
E 2550515.3255

LIMIT OF CONST.
STA. 9+00

CURVE DATA LAKEWOOD LANE
PI 9+49.16
N 617,508.3474
E 2,550,420.0400
Δ 84° 06′ 44″ (LT)
D 143° 14′ 22″
R 40.00
L 58.72
T 36.09

CURVE DATA S.R. 9
PI 251+94.01
N 617,692.5984
E 2,550,307.7881
Δ 56° 28′ 15″ (LT)
D 6° 15′ 00″
R 916.73
L 903.53
T 492.28
SE 0.080 FT/FT
DESIGN SPEED 55 MPH
TRANS. LENGTH 380

LEGEND

T.B.R. = TO BE REMOVED

LEGEND

CONST. ESMT

SLOPE ESMT

SEALED BY

GREGORY ALAN GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102...
STATE OF TENNESSEE

7/6/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 250+79 TO STA. 255+00

SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	4A
PS&E	2026	HSIP-9(76)	4A

REV. 5-17-23

REVISED OWNERS NAME FOR TRACT NO. 10.

POINT	NORTH	EAST	ELEV.	STATION	OFFSET	DESC
XCP12	617593.7484	2550316.2840	1070.0300	250+90.94	52.0386	DISC 47-9-12

47013-3232-94

BEGIN PROJ. NO. HSIP-9(76) CONST.

STA. 247+01.73
N 617246.2083
E 2550515.3255

S 85° 32' 20" E 676.05'

S 42° 55' 39" E 358.87'

S 42° 57' 54" E 238.71'

S 48° 36' 39" W

N 47° 16' 37" W

N52°50'57"E 168.51'

N41°09'03"W 39.90'

N40°00'57"E 189.00'

N22°59'03"W 267.50'

S53°50'57"W 269.88'

S53°50'57"W 216.12'

N44°13'00"E 222.48'

N28°27'00"W 214.60'

S52°01'00"W 161.12'

N55°58'59"E 108.11'

S76°27'40"E 140.00'

S 79° 43' 05" E 271.70'

S54°16'55"W 27.70'

S 40° 15' 5" E 90.62'

N54°16'55"E 35.44'

N 52° 28' 58" E 10.27'

S 24° 59' 17" E 121.00'

S 68° 53' 17" E 22.68'

S 68° 53' 17" E 29.13'

S71°35'40"E 84.36'

R=841.50' L=415.17'

R=841.50' L=249.25'

R=841.50' L=99.94'

R=841.50' L=118.10'

R=841.50' L=25.35'

R=983.50' L=434.61'

R=983.50' L=358.64'

PRES. ROW

PROP. R.O.W.

249+69.66
71.86

251+09.60
80.16'

250+79.66
70.48

251+07.12
70.15'

252+16.53
163.75'

252+62.96
126.60'

253+42.82
67.50'

252+34.87
68.66'

252+34.87
68.66'

252+55.78
73.08

249+23.00
69.16

CP-XCP12
DISC 47-9-12

LAKEWOOD LANE

LIMIT OF CONST.
STA. 9+00

S.R. 9 STA. 247+01.73
N 617246.2083
E 2550515.3255

SR9 STA. 249+65.00 =
LAKEWOOD LANE STA. 10+00.00
N 617465.8422
E 2550371.8089

47013-2232-94

BEGIN PROJ. NO. HSIP-9(76) R.O.W.

STA. 250+79.66
N 617545.9053
E 2550290.8240

S.R. 9 (U.S. 25W) NB (CLINTON HWY.)

S.R. 9 (U.S. 25W) SB (CLINTON HWY.)

OLD CLINTON PIKE

MATCHLINE STA. 255+00 (SEE SHEET 5A)

250

255

1 BETTY JOE CHAMBERS

2 TERESA LYNN CARNES

6 EARL R. LAMBERT AND JACK H. LAMBERT

7 SOLID ROCK BAPTIST CHURCH

9 CARROL R. BROCK

10 MLR, INC.

11

12 CARROL R. BROCK

LEGEND

CONST. ESMT

SLOPE ESMT

N

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

SEALED BY

GREGORY A. GIBSON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102...
STATE OF TENNESSEE
7/6/2026

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

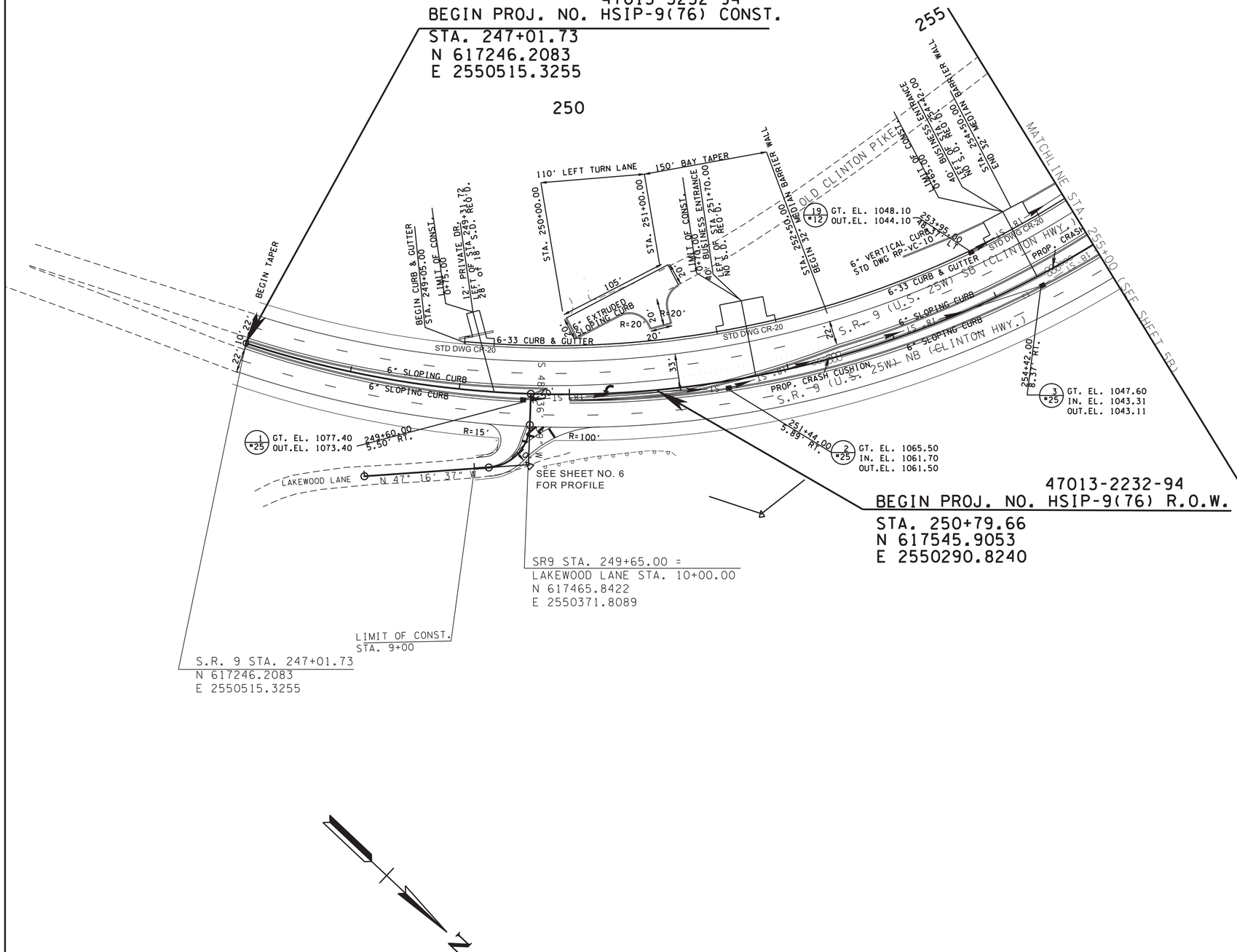
RIGHT-OF-WAY DETAILS

STA. 250+79 TO STA. 255+00

SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	4B
PS&E	2026	HSIP-9(76)	4B



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GREGORY A. GREENWOOD REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 101001 STATE OF TENNESSEE

7/6/2026

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

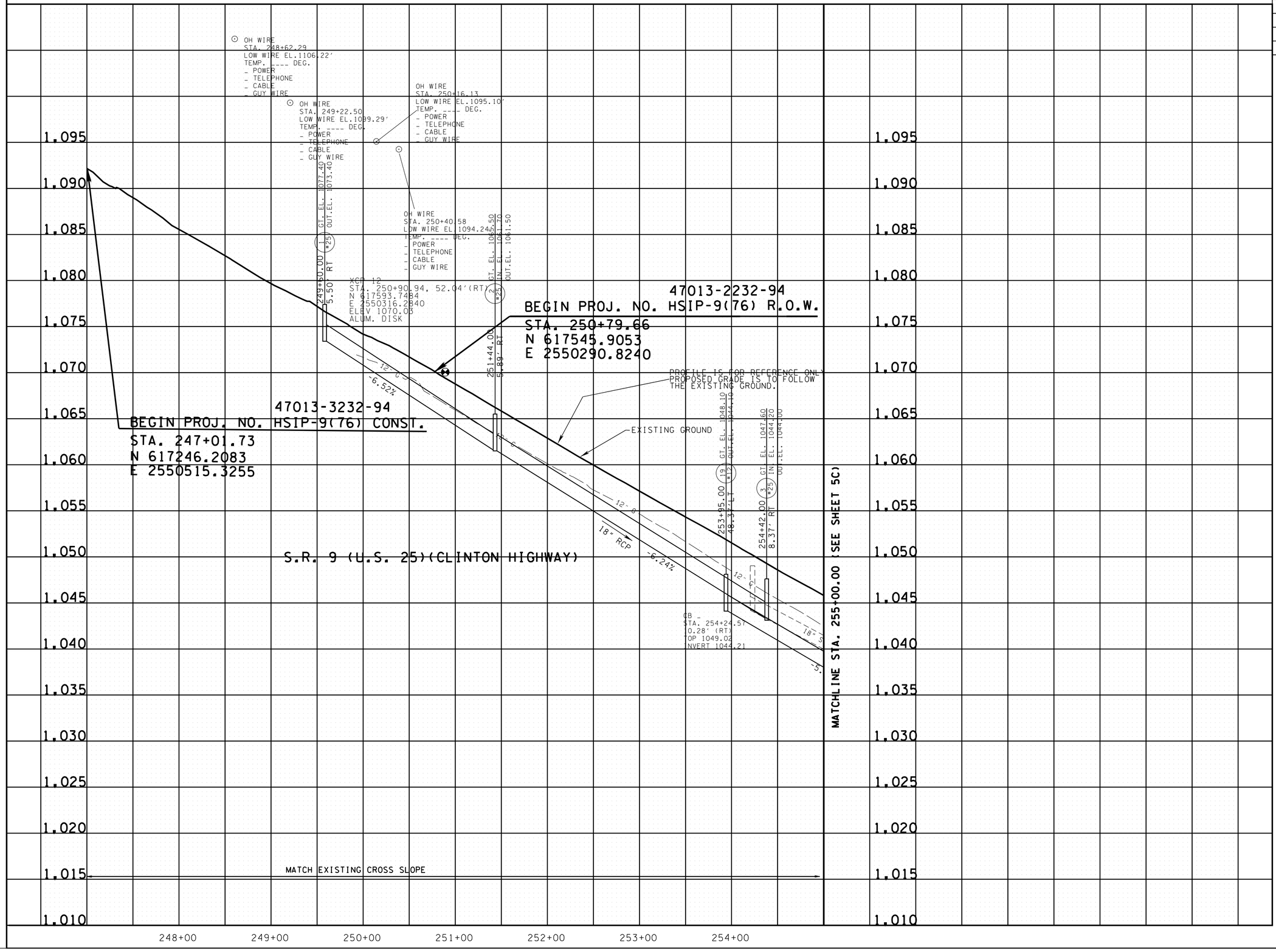
PROPOSED LAYOUT

STA. 247+01 TO STA. 255+00

SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	4C
PS&E	2026	HSIP-9(76)	4C



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GREGORY A. GRAHAM
REGISTERED ENGINEER
AGRICULTURE
COMMERCIAL
NO. 102900
STATE OF TENNESSEE

7/10/2026

COORDINATES ARE NAD 83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 247+01 TO STA. 255+00

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	5
PS&E	2026	HSIP-9(76)	5

REV. 2-11-20

REMOVED SLOPE EASEMENTS FROM DRIVEWAYS LEFT OF TRACTS 14, 15 AND 17.

REV. 4-26-22

REMOVED STRIKETHOUGH ON TRACTS 13.

REV. 5-17-23

REVISED OWNERS NAME FOR TRACT NOS. 10, 17 AND 18.

ADDED TEMPORARY CONSTRUCTION EASEMENT AROUND WAREHOUSE AND MOVED CONSTRUCTION EASEMENT OFF OF OFFICE BUILDING ON TRACT NO. 17.

REV. 12-11-23

EXTENDED TEMPORARY CONSTRUCTION EASEMENT TO TO PROPOSED RIGHT OF WAY FOR TRACT NO. 17.

REV. 6-27-24

ADDED DRIVEWAY FOR TRACT 10 LEFT OF STA. 13+67.02 W BEAVER CREEK DRIVE.

REV. 7-16-26

REVISED PROPERTY OWNERS NAME ON TRACT 19.

W BEAVER CREEK DRIVE STA. 22+12.31
N 617619.3273
E 2549380.9050

47013-3232-94
END PROJ. NO. HSIP-9(76) CONST.
STA. 267+06.59
N 617930.7460
E 2548732.0781

CURVE NO. 3
W BEAVER CREEK DRIVE
PI 20+91.61
N 617,740.1811
E 2,549,379.9022
Δ 9° 04' 11" (LT)
D 12° 00' 00"
R 477.46
L 75.58
T 37.87
SE 0.040 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 75

47013-2232-94
END PROJ. NO. HSIP-9(76) R.O.W.
STA. 261+00.00
N 617840.0974
E 2549331.8566

W BEAVER CREEK STA. 13+67.02 =
AMMONS LANE STA. 30+00.00
N 618352.7767
E 2549688.8931

S.R. 9 (CLINTON HIGHWAY STA. 260+37.56 =
W BEAVER CREEK DRIVE STA. 20+00.00
N 617830.7668
E 2549393.5931

AMMONS LANE STA. 31+50.00
N 618463.2225
E 2549587.3957

W BEAVER CREEK STA. 10+25.00
N 618555.2866
E 2549959.8183

CURVE NO. 2 W BEAVER CREEK DR.
PI 16+15.28
N 618,260.2628
E 2,549,458.5057
Δ 59° 23' 16" (LT)
D 12° 00' 00"
R 477.46
L 494.90
T 272.27
SE 0.080 FT/FT
DESIGN SPEED 40 MPH
TRANS. LENGTH 210

CURVE NO. 1 W BEAVER CREEK DR.
PI 12+35.7:
N 618,403.7701
E 2,549,8:3.3832
Δ 23° 57' 34" (RT)
D 11° 00' 00"
R 520.87
L 217.81
T 110.52
SE 0.080 FT/FT
DESIGN SPEED 40 MPH
TRANS. LENGTH 210

MATCHLINE STA. 255+00 (SEE SHEET 4)

MATCHLINE STA. 13+00 (SEE LEFT)

255 260 265

OLD CLINTON PIKE
18" ASPHALT

PROP. PEDESTRIAN POLE NO. 5
STA. 260+05.00 OFF 87.00' LT.
PROP. SIGNAL POLE NO. 4
STA. 259+87.00 OFF 64.00' LT.
PROP. PEDESTRIAN POLE NO. 1
STA. 260+68.00 OFF 87.00' LT.
PROP. SIGNAL POLE NO. 1
STA. 260+95.00 OFF 63.50' LT.
PROP. PEDESTRIAN POLE NO. 2
STA. 260+94.00 OFF 58.00' RT.
PROP. SIGNAL POLE NO. 2
STA. 261+00.00 OFF 70.00' RT.
PROP. PEDESTRIAN POLE NO. 3
STA. 260+68.00 OFF 91.00' RT.
PROP. SIGNAL POLE NO. 3
STA. 259+80.00 OFF 71.00' RT.
PROP. PEDESTRIAN POLE NO. 4
STA. 260+00.00 OFF 79.00' RT.

NOTE: MOBILE HOMES ON LOT ARE TEMPORARY

CMH HOMES, INC.
MARSH PROPERTIES, LLC.
1-S-CM&B MERITA BAKERY
1-S-B CARWAY AUTO
1-S-B US GOLD'N' GUNS
1-S-F OAKWOOD HOMES
M.L.R., INC.
7128 CLINTON HIGHWAY, LLC
MLR, INC.
MAX B. NICHOLS, JR.
1-S-BL PEDDLERS OF THE HEART
TIMOTHY H. CARROLL D/B/A CARROLL HEATING AND AIR
1-S-BL CARROLL HEATING & AIR
LISA ALLISON STRAND CARROLL
1-S-B TRUE VALUE HOMES
1-S-F TRUE VALUE
2-S-BLK APEX RESTORATION
1-S-F OFFICE
TEMPLE BAPTIST CHURCH
CARROL R. BROCK
GARY CLENDENEN AND WIFE, SUSAN CLENDENEN, AND MARK K. CLENDENEN
HUFF PROPERTIES, LLC
TENNESSEE STATE BANK
PATRICIA LAMBERT
DEBORAH A. ARNOLD

S.R. 9 (U.S. 25W CLINTON HWY.)

LEGEND
CONST. ESMT
SLOPE ESMT
SCARIFY, OBLITERATE, TOP SOIL & SODDED
T.B.R. = TO BE REMOVED

CONTROL POINT TABLE

POINT	NORTH	EAST	ELEV.	STATION	OFFSET	DESC
XCP13	617844.6304	2549660.3500	1028.7800	257+75.87	53.5720	DISC 47-9-13
XCP14	617942.4124	2549010.9680	1013.0300	264+32.58	53.2126	DISC 47-9-14
XCP15	618277.2214	2549776.6790	1031.8120	257+25.50	498.6895	DISC 47-9-15
XCP16	618578.2215	2550004.7720	1035.0000	255+73.63	831.4365	DISC 47-9-16

SEALED BY
GREGORY A. GRAHAM
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 102001
STATE OF TENNESSEE
7/20/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 255+00 TO STA. 261+00

SCALE: 1"=50'

W BEAVER CREEK DRIVE STA. 22+12.31
N 617619.3273
E 2549380.9050

LIMIT OF CONST.
STA. 22+12.31

47013-3232-94
END PROJ. NO. HSIP-9(76) CONST.
STA. 267+06.59
N 617930.7460
E 2548732.0781

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	5A
PS&E	2026	HSIP-9(76)	5A

REV. 2-11-20

REVISED STATION AND OFFSET AND BEARING AND DISTANCE ON THE SOUTHEAST CORNER OF THE PROPERTY AND REMOVED SLOPE EASEMENT FROM DRIVEWAYS LEFT OF TRACTS 14, 15 AND 17.

REV. 4-26-22

REMOVED STRIKETHROUGH ON TRACT 13.

REV. 5-17-23

REVISED OWNERS NAME FOR TRACT NOS. 10, 17 AND 18.

ADDED TEMPORARY CONSTRUCTION EASEMENT AROUND WAREHOUSE AND MOVED CONSTRUCTION EASEMENT OFF OF OFFICE BUILDING ON TRACT NO. 17.

REV. 12-11-23

EXTENDED TEMPORARY CONSTRUCTION EASEMENT TO TO PROPOSED RIGHT OF WAY FOR TRACT NO. 17.

REV. 7-16-26

REVISED PROPERTY OWNERS NAME ON TRACT 19.

MATCHLINE STA. 255+00 (SEE SHEET 4A)

OLD CLINTON PIKE

MARSH PROPERTIES, LLC.

CMH HOMES, INC.

S.R. 9 (U.S. 25W)
(CLINTON HWY.)

47013-2232-94
END PROJ. NO. HSIP-9(76) R.O.W.
STA. 261+00.00
N 617840.0974
E 2549331.8566

7128 CLINTON HIGHWAY, LLC.

S.R.9 (CLINTON HIGHWAY STA. 260+37.56 =
W BEAVER CREEK DRIVE STA. 20+00.00
N 617830.7668
E 2549393.5931

CARROL R. BROCK

GARY CLENDENEN AND WIFE, SUSAN CLENDENEN, AND MARK K. CLENDENEN

HUFF PROPERTIES, LLC

TENNESSEE STATE BANK

M.L.R., INC.

MLR, INC.

MAX B. NICHOLS, JR

TIMOTHY H. CARROLL D/B/A CARROLL HEATING AND AIR

LISA ALISON STRAND CARROLL

PATRICIA LAMBERT

DEBORAH A. ARNOLD

W BEAVER CREEK STA. 13+67.02 =
AMMONS LANE STA. 30+00.00
N 618352.7767
E 2549688.8931

AMMONS LANE STA. 31+50.00
N 618463.2225
E 2549587.3957

W BEAVER CREEK STA. 10+25.00
N 618555.2866
E 2549959.8183

MATCHLINE STA. 13+00 (SEE RIGHT)

MATCHLINE STA. 13+00 (SEE LEFT)

LEGEND
CONST. ESMT
SLCPE ESMT

CONTROL POINT TABLE

POINT	NORTH	EAST	ELEV.	STATION	OFFSET	DESC
XCP13	617844.6304	2549660.3500	1028.7800	257+75.87	53.5720	DISC 47-9-13
XCP14	617942.4124	2549010.9680	1013.0300	264+32.58	53.2126	DISC 47-9-14
XCP15	618277.2214	2549776.6790	1031.8120	257+25.50	498.6895	DISC 47-9-15
XCP16	618578.2215	2550004.7720	1035.0000	255+73.63	831.4365	DISC 47-9-16

SEALED BY
GREGORY A. SIMON
REGISTERED ENGINEER
AGRICULTURE
COMMISSION NO. 128
STATE OF TENNESSEE
7/20/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 255+00 TO STA. 261+00

SCALE: 1"=50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	5B
PS&E	2026	HSIP-9(76)	5B

REV. 6-17-24

ADDED DRIVEWAY FOR TRACT 10
LEFT OF STA. 13+67.02 W BEAVER CREEK DR.

W BEAVER CREEK DRIVE STA. 22+12.31
N 617619.3273
E 2549380.9050

LIMIT OF CONST.
STA. 22+12.31

47013-3232-94
END PROJ. NO. HSIP-9(76) CONST.
STA. 267+06.59
N 617930.7460
E 2548732.0781

47013-2232-94
END PROJ. NO. HSIP-9(76) R.O.W.
STA. 261+00.00
N 617840.0974
E 2549331.8566

S.R.9 (CLINTON HIGHWAY STA. 260+37.56 =
W BEAVER CREEK DRIVE STA. 20+00.00
N 617830.7668
E 2549393.5931

W BEAVER CREEK STA. 13+67.02 =
AMMONS LANE STA. 30+00.00
N 618352.7767
E 2549688.8931

AMMONS LANE STA. 31+50.00
N 618463.2225
E 2549587.3957

W BEAVER CREEK STA. 10+25.00
N 618555.2866
E 2549959.8183

MATCHLINE STA. 255+00 (SEE SHEET 4B)

MATCHLINE STA. 13+00 (SEE RIGHT)

MATCHLINE STA. 13+00 (SEE LEFT)

OLD CLINTON PIKE

S.R. 9 (U.S. 25W) SB (CLINTON HWY.)

S.R. 9 (U.S. 25W) NB (CLINTON HWY.)

AMMONS LANE

W BEAVER CREEK DR.

SR 9

N

W BEAVER CREEK DR.
[85] 68 142 [21]
1,729 [1,653] 1,562 [1,493] 1,728 [1,534]
SR 9 — [125] 68 121 [119] — SR 9
2,091 [795] 1,656 [660] 1,765 [777]
[116] 85 [85] [111]
457 [205] 206 [242]
W BEAVER CREEK DR.

2045 DHV
PM
[AM]
KNOX COUNTY
POWELL
S.R. 9 @ W BEAVER CREEK DR.

SEALED BY
GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 115
STATE OF TENNESSEE
7/6/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 255+00 TO STA. 267+06.59

SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	5C
PS&E	2026	HSIP-9(76)	5C

MATCHLINE STA. 255+00.00 (SEE SHEET 4C)

EXIST. PIPE TO BE REMOVED

256+25.00 (20) GT. EL. 1034.55 — 50.00' LT (12) IN. EL. 1030.75 — OUT.EL. 1030.55

256+67.00 (7) GT. EL. 1033.48 — 10.00' RT (#25) IN. EL. 103 .63 — OUT.EL. 103 .52

OH WIRE
STA. 256+82.89
LOW WIRE EL.1056.37'
TEMP. ____ DEG.
_ POWER
_ TELEPHONE
_ CABLE
_ GUY WIRE

255+95.89 (8) TOP EL. 1033.70 — 11.53' RT (MH) IN. EL. 1028.74 — OUT.EL. 1028.54

257+56.95 (9) TOP EL. 1027.31 — 70.27' RT (MH) IN. EL. 1023.40 — OUT.EL. 1023.35

258+00.00 (21) GT. EL. 1028.10 — 50.00' LT (#12) IN. EL. 1024.20 — OUT.EL. 1024.10

259+50.00 (22) GT. EL. 1024.45 — 10.00' LT (#25) IN. EL. 1020.65 — OUT.EL. 1020.45

259+50.00 (10) GT. EL. 1024.40 — 6.00' LT (#25) IN. EL. 1019.47 — OUT.EL. 1019.27

259+94.00 (11) GT. EL. 1020.15 — 85.37' RT (#12) IN. EL. 1016.06 — OUT.EL. 1015.85

260+91.00 (12) INV. 1015.75 (EW) — 65.50' RT

261+05.00 (23) GT. EL. 1020.30 — 50.00' LT (#12) IN. EL. 1016.50 — OUT.EL. 1016.30

261+56.00 (13) GT. EL. 1020.10 — 6.00' RT (#25) IN. EL. 1015.38 — OUT.EL. 1015.18

OH WIRE
STA. 260+95.51
LOW WIRE EL.1060.52'
TEMP. ____ DEG.
_ POWER
_ TELEPHONE
_ CABLE
_ GUY WIRE

OH WIRE
STA. 260+52.27
LOW WIRE EL.1061.12'
TEMP. ____ DEG.
_ POWER
_ TELEPHONE
_ CABLE
_ GUY WIRE

OH WIRE
STA. 260+73.78
LOW WIRE EL.1061.08'
TEMP. ____ DEG.
_ POWER
_ TELEPHONE
_ CABLE
_ GUY WIRE

STA. 260+37.56 S.R. 9= STA. 20+00.00 W BEAVER CREEK

PROFILE IS FOR REFERENCE ONLY. PROPOSED GRADE IS TO FOLLOW THE EXISTING GROUND.

OH WIRE
STA. 263+22.92
LOW WIRE EL.1033.06'
TEMP. ____ DEG.
_ POWER
_ TELEPHONE
_ CABLE
_ GLY WIRE

262+05.00 (24) GT. EL. 1017.40 — 50.00' LT (#12) IN. EL. 1013.60 — OUT.EL. 1013.40

263+84.00 (14) GT. EL. 1015.00 — 6.00' RT (#25) IN. EL. 1011.20 — OUT.EL. 1011.00

263+95.00 (15) GT. EL. 1015.30 — 10.00' RT (#25) OUT.EL. 1011.00

265+10.00 (26) GT. EL. 1012.40 — 50.00' LT (#12) IN. EL. 1008.60 — OUT.EL. 1008.40

265+42.00 (25) GT. EL. 1012.35 — 10.00' LT (#25) IN. EL. 1008.05 — OUT.EL. 1007.85

266+96.00 (17) GT. EL. 1009.40 — 10.00' LT (#25) IN. EL. 1006.70 — OUT.EL. 1006.50

266+96.00 (16) GT. EL. 1009.30 — 10.00' RT (#25) IN. EL. 1006.70 — OUT.EL. 1006.50

267+03.53 (18) TOP EL. 1010.00 (MH) — 0.72' LT IN. EL. 1004.27 — OUT.EL. 1004.07

DI -
STA. 256+56.56
11.69' (RT)
TOP 1035.90
INVERT 1031.46
TO BE REMOVED

MH -
STA. 256+96.34
11.78' (RT)
TOP 1033.62
INVERT 1028.50

DI -
STA. 257+56.99
70.59' (RT)
TOP 1027.51
INVERT 1023.37
TO BE REMOVED

CB -
STA. 258+71.13
9.26' (LT)
TOP 1026.51
INVERT 1020.61
TO BE REMOVED

CB -
STA. 262+46.69
8.41' (RT)
TOP 1017.81
INVERT 1013.62
TO BE REMOVED

DI -
STA. 267+54.13
62.90' (RT)
TOP 1006.16
INVERT 1002.55

DI -
STA. 265+92.89
66.86' (RT)
TOP 1008.89
INVERT 1004.92

EXISTING GRADE

EXIST. PIPE TO BE REMOVED

EXIST. WATER LINE CROSSING

EXIST. GAS LINE CROSSING

EXIST. PIPE TO BE REMOVED

EXIST. PIPE TO BE REMOVED

EXIST. PIPE TO BE REMOVED

EXIST. PIPE TO BE REMOVED

36%

5.30%

-3.79%

-13.55%

24" RCP -2.98%

18" ST -1.99%

24" RCP -0.41%

-4.88%

18" RCP

-1.70%

-1.86%

18" RCP

6" RCP

18" RCP -1.09%

24" ST

S.R. 9 (U.S. 25)(CLINTON HIGHWAY)

MATCH EXISTING CROSS SLOPE

XCP-13
STA. 257+75.87, 53.5'(RT)
N 617844.6304
E 2549660.3500
ELEV 1028.78
ALUM. DISK

XCP-14
STA. 264+32.58, 53.21'(RT)
N 617942.4124
E 2549010.9680
ELEV 1013.03
ALUM. DISK

47013-3232-94
END PROJ. NO. HSIP-9(76) CONST.
STA. 267+06.59
N 617930.7460
E 2548732.0781

47013-2232-94
END PROJ. NO. HSIP-9(76) R.O.W.
STA. 261+00.00
N 617840.0974
E 2549331.8566

1.085 1.080 1.075 1.070 1.065 1.060 1.055 1.050 1.045 1.040 1.035 1.030 1.025 1.020 1.015 1.010 1.005 1.000 995 990

+00 256+00 257+00 258+00 259+00 260+00 261+00 262+00 263+00 264+00 265+00 266+00 267+00 268+00

SEALED BY

GREGORY A. GRAHAM
REGISTERED PROFESSIONAL ENGINEER
AGRICULTURE
COMMERCE
NO. 101001
STATE OF TENNESSEE

7/10/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 255+00 TO STA. 268+06.59

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	6
PS&E	2026	HSIP-9(76)	6

LAKEWOOD LANE

VPI 9+00.00
EL. 1073.75

VPI 9+25.00
EL. 1075.89

VPC 9+43.00
EL. 1077.10

VPI 9+53.00
EL. 1078.45

VPT 9+83.00
EL. 1077.33

-5.600%

6.720%

8.160%

LIMIT OF CONST.
STA. 9+00

STA. 249+65.00 S.R. 9=
STA. 10+00.00 LAKEWOOD LANE
EL. 1076.3751

VC = 40.00'
K = 3
V = 15 MPH

W BEAVER CREEK DRIVE

STA. 13+67.02 W BEAVER CREEK DRIVE
STA. 30+00.00 AMMONS LANE
EL. 1029.60

VPC 30+25.00
EL. 1029.88

VPI 30+50.00
EL. 1029.95

VPT 30+75.00
EL. 1028.93

VPI 31+50.00
EL. 1025.87

FINISH GRADE

LIMIT OF CONST.
STA. 31+50

0.300%

-4.080%

PROP 18" R.C.P.

EXISTING GROUND

VC = 50.00'
K = 11
V = 20 MPH

NORMAL CROWN

AMMONS LANE

OH WIRE
STA. 12+17.96
LOW WIRE EL.1064.09'
TEMP. ____ DEG.
- POWER
- TELEPHONE
- CABLE
- GUY WIRE

OH WIRE
STA. 13+31.43
LOW WIRE EL.1058.83'
TEMP. ____ DEG.
- POWER
- TELEPHONE
- CABLE
- GUY WIRE

OH WIRE
STA. 13+79.47
LOW WIRE EL.1057.27'
TEMP. ____ DEG.
- POWER
- TELEPHONE
- CABLE
- GUY WIRE

OH WIRE
STA. 14+03.61
LOW WIRE EL.1051.41'
TEMP. ____ DEG.
- POWER
- TELEPHONE
- CABLE
- GUY WIRE

OH WIRE
STA. 15+46.65
LOW WIRE EL.1059.54'
TEMP. ____ DEG.
- POWER
- TELEPHONE
- CABLE
- GUY WIRE

OH WIRE
STA. 16+59.33
LOW WIRE EL.1051.37'
TEMP. ____ DEG.
- POWER
- TELEPHONE
- CABLE
- GUY WIRE

OH WIRE
STA. 12+48.77
LOW WIRE EL.1046.77'
TEMP. ____ DEG.
- POWER
- TELEPHONE
- CABLE
- GUY WIRE

OH WIRE
STA. 20+63.35
LOW WIRE EL.1039.38'
TEMP. ____ DEG.
- POWER
- TELEPHONE
- CABLE
- GUY WIRE

OH WIRE
STA. 22+00.67
LOW WIRE EL.1036.14'
TEMP. ____ DEG.
- POWER
- TELEPHONE
- CABLE
- GUY WIRE

VPI 10+25.00
EL. 1035.33

VPC 11+50.00
EL. 1034.38

VPI 12+00.00
EL. 1034.00

VPT 12+50.00
EL. 1032.58

VC = 150.00'
K = 65
V = 40 MPH

XCP-15
STA. 257+25.50
498.69' (RT)
N 618277.2214
E 2549776.6790
ELEV 1031.81
ALUM. DISK

VPC 13+00.00
EL. 1031.16

VPI 13+75.00
EL. 1029.03

VPT 14+50.00
EL. 1028.61

VPC 15+75.00
EL. 1027.91

VPI 16+25.00
EL. 1027.63

VPT 16+75.00
EL. 1026.58

VC = 100.00'
K = 48
V = 40 MPH

-0.760%

-2.840%

-0.560%

-2.100%

EXISTING GROUND

FINISH GRADE

EXIST. GAS LINE CROSSING

EXIST. WATER LINE CROSSING

EXIST. GAS LINE CROSSING

EXIST.6" SANITARY SEWER

6" SA

EXISTING MANHOLE

EXIST.6" SANITARY SEWER CROSSING

VC = 100.00'
K = 64
V = 45 MPH

EXIST.4" SANITARY SEWER CROSSING

XCP-13
STA. 257+75.87,
53.57'(RT)
N 617844.6304
E 2549660.3500
ELEV 1028.78
ALUM. DISK

VPC 18+50.00
EL. 1022.91

GT. EL. 1020.15
INV. EL. 1016.40
OUT.EL. 1016.20

19+19.10
37.67' LT

SAG 19+27.49
EL. 1022.09

VPT 19+50.00
EL. 1022.16

VPI 19+64.40
EL. 1022.25

19+44.45
34.00' RT

INV. 1015.75

VC = 100.00'
K = 37
V = 30 MPH

STA. 260+37.56 S.R. 9=
STA. 20+00.00 W BEAVER CREEK
EL. 1021.86

19+00.00
EL. 1021.86

VPI 20+38.27
EL. 1022.35

VPC 21+50.00
EL. 1021.63

VPI 21+75.00
EL. 1021.07

VPT 22+00.00
EL. 1020.73

VPI 22+63.44
EL. 1020.16

VC = 50.00'
K = 21
V = 30 MPH

-0.620%

-2.960%

EXIST. 18" STORM PIPE CROSSING EL=1017.49 TO BE REMOVED

EXIST. 8" SANITARY SEWER CROSSING EL=1014.84'

-2.00% RT

+25.00

+07.91

+7.90% LT

-7.902% RT

+35.00

-8.00% RT

+11.92

-8.00% LT

+32.90

+8.00% RT

-8.00% LT

+58.90

-2.00% LT

+42.90

EXIST. 8" WATER LINE CROSSING

-2.00% LT

+16.24

+66.24

+4.00% RT

+91.24

-4.00% LT

+16.24

-2.00% LT

+66.24

-2.00% RT

10+00

11+00

12+00

13+00

14+00

15+00

16+00

17+00

18+00

19+00

20+00

21+00

22+00

1.080
1.075
1.070
1.065
1.060
1.040
1.035
1.030
1.025
1.020
1.015
1.010

7/6/2026 8:48:20 AM
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SEALED BY

GREGORY A. GRISHAM
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 107001
STATE OF TENNESSEE

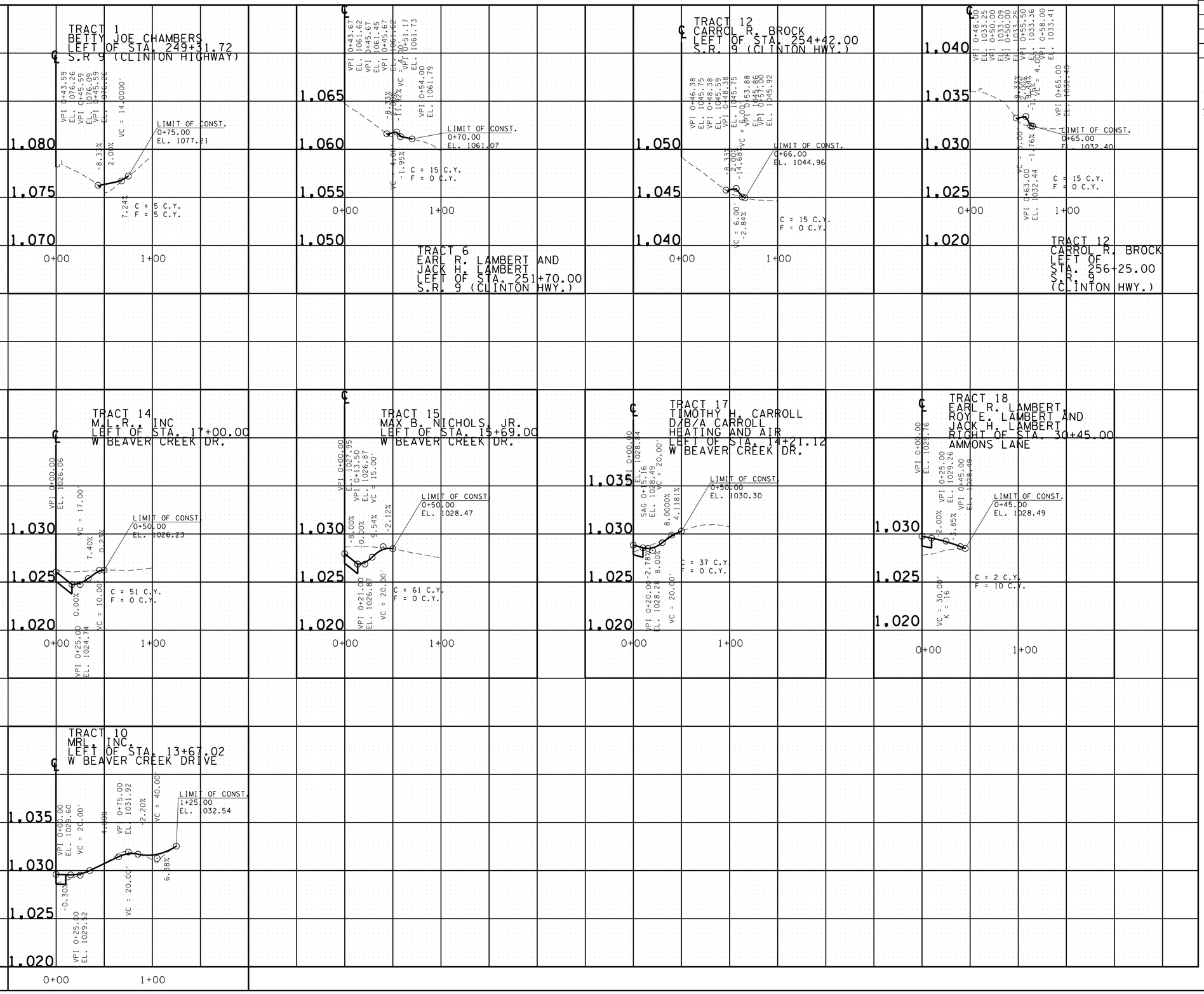
7/6/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	7
PS&E	2026	HSIP-9(76)	7

REV. 6-17-24

ADDED DRIVEWAY TO TRACT 10 LEFT OF STA. 13+67.02 W BEAVER CREEK DRIVE

SEALED BY

GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMISSION NO. 107...
STATE OF TENNESSEE

7/6/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

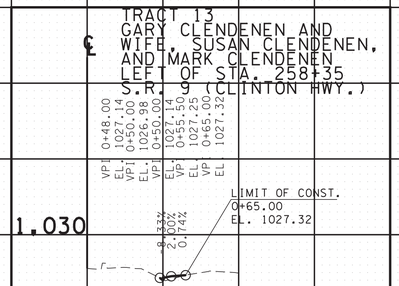
PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

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

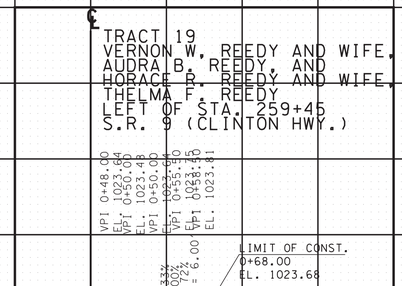
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	8
PS&E	2026	HSIP-9(76)	8

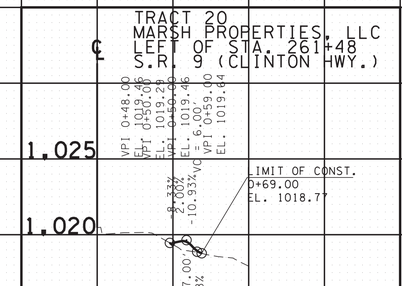
TRACT 13
GARY CLENDENEN AND
WIFE, SUSAN CLENDENEN,
AND MARK CLENDENEN
LEFT OF STA. 258+35
S.R. 9 (CLINTON HWY.)



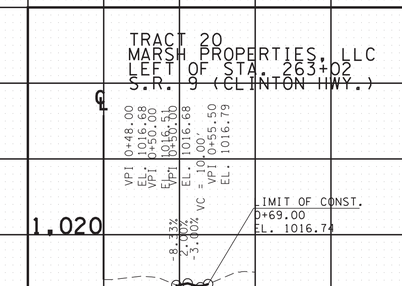
TRACT 19
VERNON W. REEDY AND WIFE,
AUDRA B. REEDY, AND
HORACE R. REEDY AND WIFE,
THELMA F. REEDY
LEFT OF STA. 259+45
S.R. 9 (CLINTON HWY.)



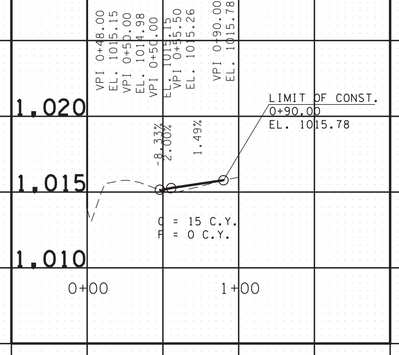
TRACT 20
MARSH PROPERTIES, LLC
LEFT OF STA. 261+48
S.R. 9 (CLINTON HWY.)



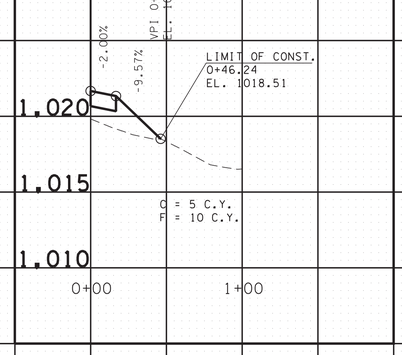
TRACT 20
MARSH PROPERTIES, LLC
LEFT OF STA. 263+02
S.R. 9 (CLINTON HWY.)



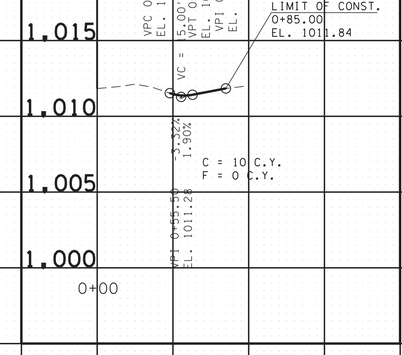
TRACT 20
MARSH PROPERTIES, LLC
LEFT OF STA. 263+75
S.R. 9 (CLINTON HWY.)



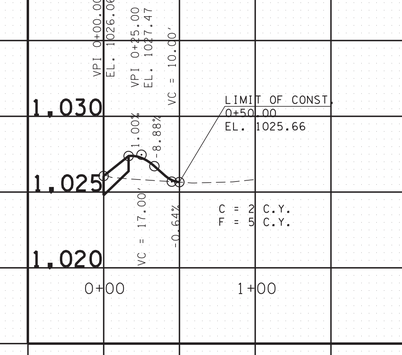
TRACT 20
MARSH PROPERTIES, LLC
RIGHT OF STA. 21+43.51
W. BEAVER CREEK DR.



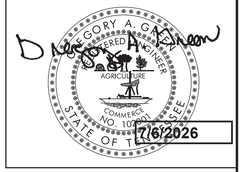
TRACT 22
CMH HOMES, INC
LEFT OF STA. 265+65
S.R. 9 (CLINTON HWY.)



TRACT 14
M.L.R., INC
RIGHT OF STA. 17+00.00
W BEAVER CREEK DR.



SEALED BY



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

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

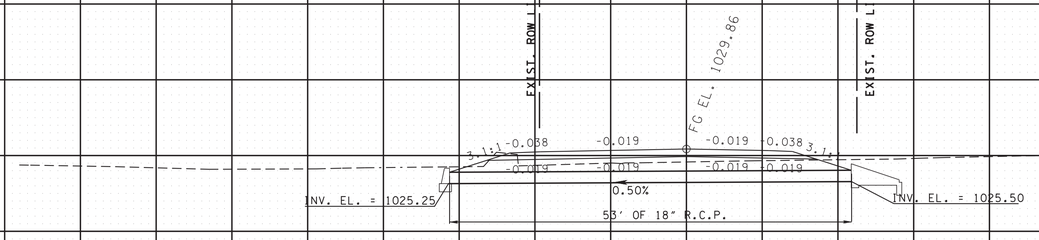
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	9
PS&E	2026	HSIP-9(76)	9

1090
1080
1070
1060
1050
1040
1030
1020
1010
1000
990
980
970

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120

PROPOSED CULVERT IS INSIDE THE PROPOSED ROW OF W BEAVER CREEK



PIPE CULVERT
STATION: 30+21.19
STRUCTURE: 53' OF 18" R.C.P.

SKEW	75 DEG.
DRAINAGE AREA	0.10 AC.
DESIGN DISCHARGE (Q50)	0.80 CFS
DESIGN DISCHARGE (Q100)	1.00 CFS
Q50 HEADWATER	1026.73 ELEV.
Q100 HEADWATER	1026.78 ELEV.
VELOCITY (Q50)	2.8 FT/S
VELOCITY (Q100)	2.9 FT/S

END WALS REQUIRED: 1 - 'ST' EW
1 - 'U' EW
STANDARD DRAWING NOS.: D-PE-4
D-PE-18A AND 18B

AMMONS LANE
STA. 30+21.19

SEALED BY

GREGORY A. GRAHAM
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE

7/6/2026

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

7/6/2026 8:48:24 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	10
PS&E	2026	HSIP-9(76)	10A

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.	QUANTITY	UNITS
* SF * SF * SF *	SILT FENCE	EC-STR-3B	250	L.F.
	ROCK CHECK DAM (V-DITCH)	EC-STR-6	35	EACH
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A	5	EACH
C	CULVERT PROTECTION (TYPE 1)	EC-STR-11	3	EACH
D	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19	1	EACH
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37	2,700	L.F.
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A	19	EACH
1	CATCH BASIN FILTER ASSEMBLY (TYPE 1)	EC-STR-41	5	EACH
(1) TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25	5	EACH
	EROSION CONTROL BLANKET	EC-STR-34	655	S.Y.

(1) TO BE LOCATED BY THE ENGINEER.

EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	35
209-02.05	12" TEMPORARY SLOPE DRAIN	L.F.	80
209-05	SEDIMENT REMOVAL	C.Y.	170
209-08.07	ROCK CHECK DAM PER	EACH	33
209-08.08	ENHANCED ROCK CHECK DAM	EACH	5
209-09.40	CURB INLET PROTECTION (TYPE 1)	EACH	5
209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	1
209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	14
303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	17
709-5.05	MACHINED RIP-RAP (CLASS A-3)	TON	250
740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	655
740-11.02	TEMPORARY SEDIMENT TUBE 12IN (DESCRIPTION)	L.F.	7900

(1) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE AND REPLACEMEN
(2) MAY BE INCREASED OR DECREASED AS DIRECTED BY THE TDOT SUPERVISOR.

SEALED BY

GREGORY A. [illegible]
REGISTERED ENGINEER
AGRICULTURE COMMERCE
NO. [illegible]
STATE OF TENNESSEE
7/10/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) NOTES

7/10/2026 2:13:30 PM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	11
PS&E	2026	HSIP-9(76)	11

47013-3232-94
BEGIN PROJ. NO. HSIP-9(76) CONST.
STA. 247+01.73
N 617246.2083
E 2550515.3255

250

255

OLD CLINTON PIKE

MATCHLINE STA. 255+00 (SEE SHEET 11A)

LIMITS OF DISTURBANCE

PROP. R.O.W.

TUBE 12"

S.R. 9 (U.S. 25W) SB (CLINTON HWY.)

S.R. 9 (U.S. 25W) NB (CLINTON HWY.)

S 48° 36' 39" W

LAKEWOOD LANE N 47° 16' 37" W

SR9 STA. 249+65.00 =
LAKEWOOD LANE STA. 10+00.00
N 617465.8422
E 2550371.8089

LIMIT OF CONST.
STA. 9+00

S.R. 9 STA. 247+01.73
N 617246.2083
E 2550515.3255

47013-2232-94
BEGIN PROJ. NO. HSIP-9(76) R.O.W.
STA. 250+79.66
N 617545.9053
E 2550290.8240

LEGEND

CONST. ESMT

SLOPE ESMT

EXISTING 2' CONTOUR

EXISTING 10' CONTOUR 1020

SEALED BY

GREGORY A. GRAHAM
REGISTERED ENGINEER
STATE OF TENNESSEE
AGRICULTURE
COMMERCE
NO. 107
7/6/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STAGE 1

7/6/2026 8:50:00 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	11A
PS&E	2026	HSIP-9(76)	11A

255

OLD CLINTON PIKE

MATCH LINE STA. 255+00 (SEE SHEET 11)

265

47013-3232-94
END PROJ. NO. HSIP-9(76) CONST.
STA. 267+06.59
N 617930.7460
E 2548732.0781

S.R. 9 (U.S. 25W) SB
(CLINTON HWY.)

S.R. 9 (U.S. 25W) NB
(CLINTON HWY.)

47013-2232-94
END PROJ. NO. HSIP-9(76) R.O.W.
STA. 261+00.00
N 617840.0974
E 2549331.8566

S.R.9 (CLINTON HIGHWAY STA. 260+37.56) =
W BEAVER CREEK DRIVE STA. 20+00.00
N 617830.7668
E 2549393.5931

W BEAVER CREEK STA. 13+67.02 =
AMMONS LANE STA. 30+00.00
N 618352.7767
E 2549688.8931

LIMIT OF CONST.
STA. 31+50

AMMONS LANE STA. 31+50.00
N 618463.2225
E 2549587.3957

LIMIT OF CONST.
STA. 10+25.00

W BEAVER CREEK STA. 10+25.00
N 618555.2866
E 2549959.8183

OUT - 1
OUT - 2
OUT - 3
OUT - 4
OUT - 6
OUT - 7
OUT - 8

PROP. R.O.W.
LIMITS OF DISTURBANCE
10' CONST. ESMT
SLOPE ESMT
TEMP. CONST. ESMT. FOR DEMOLITION CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DAMAGE/IMPACT TO UNIT FOR OFFICE BUILDING
TUBE 12
WATER SPIGOT
AMMONS LANE
N 81° 24' 20" W
N 42° 34' 50" W
S 40° 35' 40" W

LEGEND

CONST. ESMT
SLOPE ESMT

EXISTING 2' CONTOUR

EXISTING 10' CONTOUR 1020

SEALED BY

GREGORY A. GRAHAM
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 103XXX
STATE OF TENNESSEE

7/6/2026

COORDINATES ARE NAD 83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STAGE 1

7/6/2026 3:49:46 PM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	12
PS&E	2026	HSIP-9(76)	12

47013-3232-94
BEGIN PROJ. NO. HSIP-9(76) CONST.
STA. 247+01.73
N 617246.2083
E 2550515.3255

250

255

MATCHLINE STA. 255+00 (SEE SHEET 12A)

OLD CLINTON PIKE

S.R. 9 (U.S. 25W) SB (CLINTON HWY.)

S.R. 9 (U.S. 25W) NB (CLINTON HWY.)

LIMITS OF DISTURBANCE

PROP. R.O.W.

S 49° 36' 39" W

LAKEWOOD LANE N 47° 16' 37" W

SR9 STA. 249+65.00 =
LAKEWOOD LANE STA. 10+00.00
N 617465.8422
E 2550371.8089

LIMIT OF CONST.
STA. 9+00

S.R. 9 STA. 247+01.73
N 617246.2083
E 2550515.3255

47013-2232-94
BEGIN PROJ. NO. HSIP-9(76) R.O.W.
STA. 250+79.66
N 617545.9053
E 2550290.8240

LEGEND

CONST. ESMT

SLOPE ESMT

EXISTING 2' CONTOUR

EXISTING 10' CONTOUR 1040

PROPOSED 2' CONTOUR

PROPOSED10' CONTOUR 1040

N

SEALED BY

GREGORY A. CRAWFORD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 120001
STATE OF TENNESSEE

7/6/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STAGE 2

7/6/2026 8:50:03 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	12A
PS&E	2026	HSIP-9(76)	12A

255

OLD CLINTON PIKE

MATCH LINE STA. 255+00 (SEE SHEET 12)

265

47013-3232-94
END PROJ. NO. HSIP-9(76) CONST.
STA. 267+06.59
N 617930.7460
E 2548732.0781

S.R. 9 (U.S. 25W) SB (CLINTON HWY.)

S.R. 9 (U.S. 25W) NB (CLINTON HWY.)

47013-2232-94
END PROJ. NO. HSIP-9(76) R.O.W.
STA. 261+00.00
N 617840.0974
E 2549331.8566

S.R.9 (CLINTON HIGHWAY STA. 260+37.56) =
W BEAVER CREEK DRIVE STA. 20+00.00
N 618330.7668
E 2549393.5931

W BEAVER CREEK STA. 13+67.02 =
AMMONS LANE STA. 30+00.00
N 618352.7767
E 2549688.8931

AMMONS LANE STA. 31+50.00
N 618463.2225
E 2549587.3957

W BEAVER CREEK STA. 10+25.00
N 618555.2866
E 2549959.8183

LIMIT OF CONST.
STA. 31+50

LIMIT OF CONST.
STA. 10+25.00

OUT - 1
OUT - 2
OUT - 3
OUT - 4
OUT - 6
OUT - 7
OUT - 8

LEGEND

CONST. ESMT

SLOPE ESMT

EXISTING 2' CONTOUR

EXISTING 10' CONTOUR 1040

PROPOSED 2' CONTOUR

PROPOSED10' CONTOUR 1040

SEALED BY

GREGORY A. GRECKEN
REGISTERED ENGINEER
No. 102001
STATE OF TENNESSEE

7/6/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

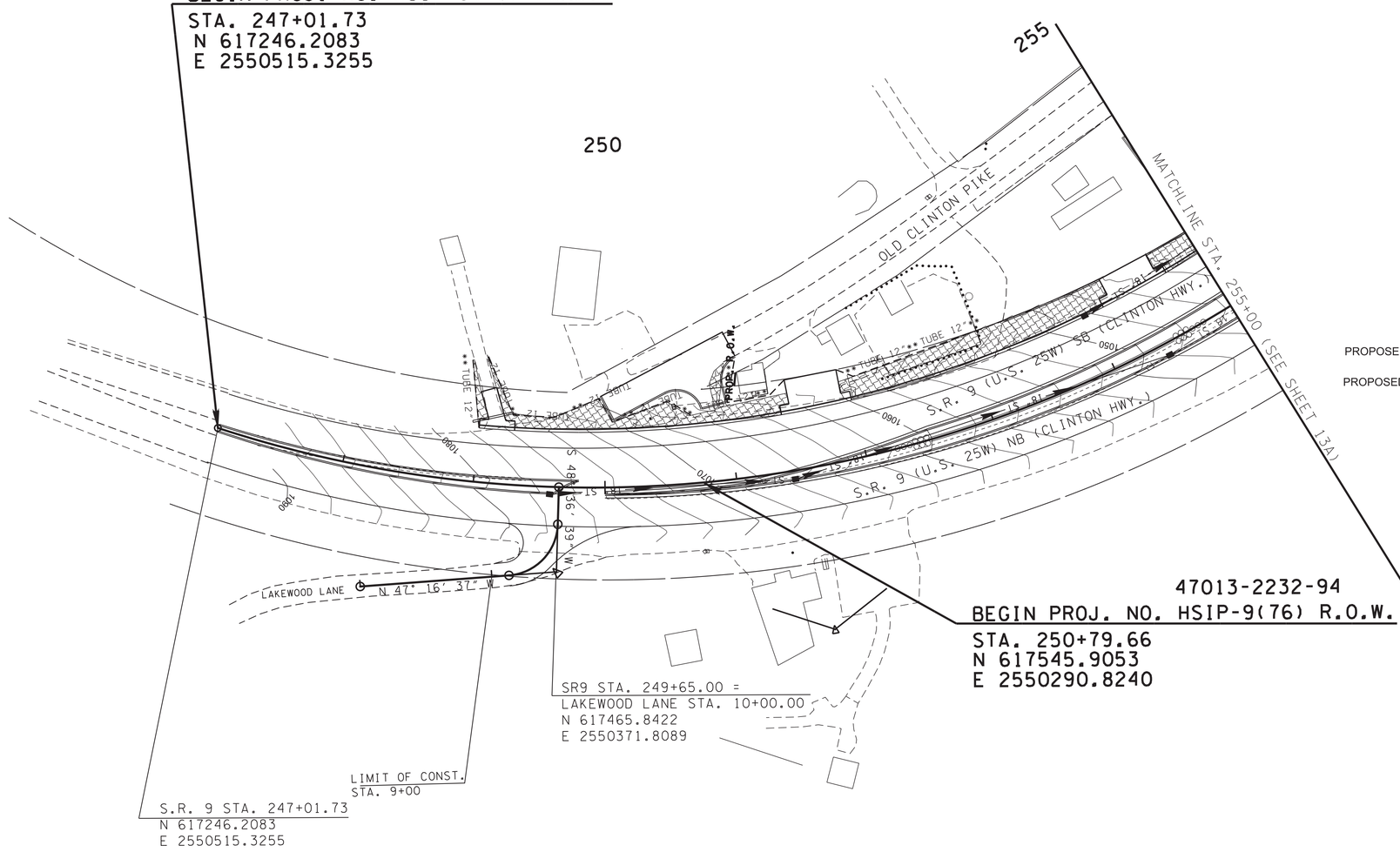
EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STAGE 2

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	12
PS&E	2026	HSIP-9(76)	13

47013-3232-94
BEGIN PROJ. NO. HSIP-9(76) CONST.
STA. 247+01.73
N 617246.2083
E 2550515.3255



LEGEND
CONST. ESMT
SLOPE ESMT
PROPOSED 2' CONTOUR
PROPOSED10' CONTOUR 1040

47013-2232-94
BEGIN PROJ. NO. HSIP-9(76) R.O.W.
STA. 250+79.66
N 617545.9053
E 2550290.8240

SEALED BY
GREGORY A. GANDY
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 120001
STATE OF TENNESSEE
7/6/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STAGE 3

7/6/2026 8:50:04 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	12A
PS&E	2026	HSIP-9(76)	13A

255

OLD CLINTON PIKE

MATCH LINE STA. 255+00 (SEE SHEET 13)

265

47013-3232-94

END PROJ. NO. HSIP-9(76) CONST.

STA. 267+06.59

N 617930.7460

E 2548732.0781

S.R. 9 (U.S. 25W) SB (CLINTON HWY.)

S.R. 9 (U.S. 25W) NB (CLINTON HWY.)

N 81° 24' 20" W

47013-2232-94

END PROJ. NO. HSIP-9(76) R.O.W.

STA. 261+00.00

N 617840.0974

E 2549331.8566

S.R.9 (CLINTON HIGHWAY STA. 260+37.56 =
W BEAVER CREEK DRIVE STA. 20+00.00
N 617830.7668
E 2549393.5931

W BEAVER CREEK STA. 13+67.02 =
AMMONS LANE STA. 30+00.00
N 618352.7767
E 2549688.8931

LIMIT OF CONST.
STA. 31+50

AMMONS LANE STA. 31+50.00
N 618463.2225
E 2549587.3957

LIMIT OF CONST.
STA. 10+25.00

W BEAVER CREEK STA. 10+25.00
N 618555.2866
E 2549959.8183

OUT - 1 OUT - 2 OUT - 3 OUT - 4 OUT - 5 OUT - 6 OUT - 7 OUT - 8

PROP. R.O.W.

10' CONST. ESMT

SLOPE ESMT

TEMP. CONST. ESMT. FOR DEMOLITION OF CONTRACTOR NOT TO IMPACT ANY HVAC UNIT FOR OFFICE BUILDING

AMMONS LANE

LEGEND

CONST. ESMT

SLOPE ESMT

PROPOSED 2' CONTOUR

PROPOSED10' CONTOUR 1040

SEALED BY

GREGORY A. GRAHAM
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE

7/6/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STAGE 3

7/6/2026 4:23:11 PM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-9(76)	14

47013-3232-94
BEGIN PROJ. NO. HSIP-9(76) CONST.
STA. 247+01.73
N 617246.2083
E 2550515.3255

250

255

OLD CLINTON PIKE

MATCHLINE STA. 255+00 (SEE SHEET 14A)

STD DWG CR-20

STD DWG CR-20

STD DWG CR-20

S.R. 9 (U.S. 25W) SB (CLINTON HWY.)

S.R. 9 (U.S. 25W) NB (CLINTON HWY.)

6" SSWL

6" SSYL

6" SSYL

6" SSWL

6" SSWL

6" SBWL

8" DWL

8" SSYL

6" SSYL

6" SBWL

8" DWL

8" SSYL

4" SSWL

4" DSYL

4" SSWL

LAKEWOOD LANE N 47° 16' 37" W

STOP

1

6

47013-2232-94
BEGIN PROJ. NO. HSIP-9(76) R.O.W.
STA. 250+79.66
N 617545.9053
E 2550290.8240

SR9 STA. 249+65.00 =
LAKEWOOD LANE STA. 10+00.00
N 617465.8422
E 2550371.8089

LIMIT OF CONST.
STA. 9+00

S.R. 9 STA. 247+01.73
N 617246.2083
E 2550515.3255

N

SEALED BY

GREGORY A. GRIMM
REGISTERED ENGINEER
COMMERCE
NO. 102001
STATE OF TENNESSEE

7/10/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLANS
STA. 247+01 TO STA. 255+00
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-9(76)	14A

W BEAVER CREEK DRIVE STA. 22+12.31
N 617619.3273
E 2549380.9050

LIMIT OF CONST.
STA. 22+12.31

47013-3232-94
END PROJ. NO. HSIP-9(76) CONST.
STA. 267+06.59
N 617930.7460
E 2548732.0781

255

260

265

MATCHLINE STA. 255+00 (SEE SHEET 14)

OLD CLINTON PIKE

DEAD END (17)

NORTH 25W (18) SOUTH 25W (19) STOP (9) (10)

R3-8 ONLY 30" X 30" (11)

PROP. PEDESTRIAN POLE NO. 5
STA. 260+05.00 OFF 87.00' LT.

PROP. SIGNAL POLE NO. 4
STA. 259+87.00 OFF 64.00' LT.

PROP. PEDESTRIAN POLE NO. 1
STA. 260+68.00 OFF 87.00' LT.

PROP. SIGNAL POLE NO. 1
STA. 260+95.00 OFF 63.50' LT.

(16)

STD DWG CR-20

6" SSWL
6" SSYL
6" SBWL
8" DWL
8" SSWL

S.R. 9 (U.S. 25W) SB
(CLINTON HWY.)

S.R. 9 (U.S. 25W) NB
(CLINTON HWY.)

PROP. PEDESTRIAN POLE NO. 2
STA. 260+94.00 OFF 58.00' RT.

PROP. SIGNAL POLE NO. 2
STA. 261+00.00 OFF 70.00' RT.

PROP. PEDESTRIAN POLE NO. 3
STA. 260+68.00 OFF 91.00' RT.

PROP. SIGNAL POLE NO. 3
STA. 259+80.00 OFF 71.00' RT.

PROP. PEDESTRIAN POLE NO. 4
STA. 260+00.00 OFF 79.00' RT.

SOUTH 25W (8) NORTH 25W (12)

47013-2232-94
END PROJ. NO. HSIP-9(76) R.O.W.
STA. 261+00.00
N 617840.0974
E 2549331.8566

4" DSYL
4" SSWL
8" DWL

R3-8 ONLY 30" X 30" (13)

S.R.9 (CLINTON HIGHWAY STA. 260+37.56 =
W BEAVER CREEK DRIVE STA. 20+00.00
N 617830.7668
E 2549393.5931

W BEAVER CREEK DR.

SR 9

2,039 [2,484] 2,073 [2,308] 2,356 [1,146] 1,899 [1,126]
61 [121] 153 [23] 154 [197] 133 [121] 1,824 [2,166] 729 [941] 45 [64] 29 [140] 170 [185] 723 [324] 326 [383]

2039 DHV
PM
[AM]
KNOX COUNTY
POWELL
S.R. 9 @ W BEAVER CREEK DR.

W BEAVER CREEK DR.

N

15

W BEAVER CREEK STA. 13+67.02 =
AMMONS LANE STA. 30+00.00
N 618352.7767
E 2549688.8931

MATCHLINE STA. 13+00 (SEE RIGHT)

(14)

(15) STOP

N 42° 34' 54" W 4" SSWL 4" DSYL 4" SSWL

LIMIT OF CONST.
STA. 31+50

AMMONS LANE STA. 31+50.00
N 618463.2225
E 2549587.3957

AMMONS LANE

MATCHLINE STA. 13+00 (SEE LEFT)

LIMIT OF CONST.
STA. 10+25.00

S 44° 01' 23" W 4" SSWL 4" DSYL 4" SSWL

W BEAVER CREEK STA. 10+25.00
N 618555.2866
E 2549959.8183

SEALED BY

GREGORY A. GREER
REGISTERED ENGINEER
ENGINEER
No. 102001
STATE OF TENNESSEE

7/10/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLANS

STA. 255+00 TO STA.264+06

SCALE: 1"= 50'

7/10/2026 2:13:35 PM
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ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" OR THE CURRENT EDITION OF THE "TENNESSEE SUPPLEMENT TO THE STANDARD HIGHWAY SIGNS BOOK"

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-9(76)	15

SIGN NO.		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	STOP R1-1	13	36"	36"									WHITE (REF.)	RED (REF.)	0.080" SHEET ALUMINUM	P8	h = 13'-6"				5'-0"	
2	OM4-1	13	18"	18"									RED (REF.)	RED (REF.)	0.080" SHEET ALUMINUM	P8	h = 13'-6"				5'-0"	
3	OM4-1	13	18"	18"									RED (REF.)	RED (REF.)	0.080" SHEET ALUMINUM	P8	h = 13'-6"				5'-0"	
4	OM4-1	13	18"	18"									RED (REF.)	RED (REF.)	0.080" SHEET ALUMINUM	P8	h = 13'-6"				5'-0"	
5	OM4-1	13	18"	18"									RED (REF.)	RED (REF.)	0.080" SHEET ALUMINUM	P8	h = 13'-6"				5'-0"	
6	W3-3	13	36"	36"									BLACK BLACK	YELLOW/ GREEN/RED (REF.) YELLOW (REF.)	0.100" SHEET ALUMINUM 0.080" SHEET ALUMINUM	P8	h = 13'-6"	TYPE 4 1'-0" DIA	0.12	24.9	5'-0"	THE NEW PLAQUE (W16-15P) SHALL BE REMOVED 6-12 MONTHS AFTER INSTALLATION OF THESE SIGN ASSEMBLIES
7	W3-1	14	36"	36"									WHITE (REF.)	RED (REF.)	0.100" SHEET ALUMINUM	P8	h = 13'-6"				5'-0"	
8 18	SOUTH M3-3 25W M1-4 M6-1R	14	24" 30" 21"	12" 24" 15"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P5	h = 18'-0"				7'-0"	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL 'D' ON STD. DWG. T-S-23A
9	STOP R1-1	14	36"	36"									WHITE (REF.)	RED (REF.)	0.080" SHEET ALUMINUM	P8	h = 13'-6"				5'-0"	
10	W3-3	14	36"	36"									BLACK BLACK	YELLOW/ GREEN/RED (REF.) YELLOW (REF.)	0.100" SHEET ALUMINUM 0.080" SHEET ALUMINUM	P8	h = 14'-6"	TYPE 4 1'-0" DIA	0.12	24.9	5'-0"	THE NEW PLAQUE (W16-15P) SHALL BE REMOVED 6-12 MONTHS AFTER INSTALLATION OF THESE SIGN ASSEMBLIES
11	R3-8a	14	30"	30"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P5	h = 13'-0"				5'-0"	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL 'D' ON STD. DWG. T-S-23A
12 19	NORTH M3-1 25W M1-4 M6-1R	14	24" 30" 21"	12" 24" 15"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P5	h = 18'-0"				7'-0"	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL 'D' ON STD. DWG. T-S-23A
13	R3-8a	14	30"	30"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P5	h = 13'-0"				5'-0"	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL 'D' ON STD. DWG. T-S-23A
14	W3-3	14	36"	36"									BLACK	YELLOW/ GREEN/RED (REF.)	0.100" SHEET ALUMINUM	P8	h = 14'-6"	TYPE 4 1'-0" DIA	0.12	24.9	5'-0"	
15	STOP R1-1	14	36"	36"									WHITE (REF.)	RED (REF.)	0.080" SHEET ALUMINUM	P8	h = 13'-6"				5'-0"	

SEALED BY

GREGORY A. GRAHAM
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 119777
STATE OF TENNESSEE
7/10/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE SHEETS

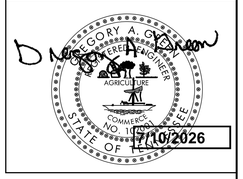
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ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" OR THE CURRENT EDITION OF THE "TENNESSEE SUPPLEMENT TO THE STANDARD HIGHWAY SIGNS BOOK"

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-9(76)	16

SIGN NO.		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.		
16	 W3-3	14	36"	36"									BLACK BLACK	YELLOW/ GREEN/RED (REF.) YELLOW (REF.)	0.100" SHEET ALUMINUM 0.080" SHEET ALUMINUM	P8	h = 14'-6"	TYPE 4 1'-0" DIA	0.12	24.9	5'-0"	THE NEW PLAQUE (W16-15P) SHALL BE REMOVED 6-12 MONTHS AFTER INSTALLATION OF THESE SIGN ASSEMBLIES
17	 W14-1	14	36"	36"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	P8	h = 13'-6"				5'-0"	
20 21	W. Beaver Creek Dr 2900	SIG-2	120"	24"	2¼"	1"	12"	9"		B			WHITE	GREEN/ (REF.)	0.100" SHEET ALUMINUM						17'	OVERHEAD SIGN - SEE SIGNAL SHEETS FOR PLACEMENT. SIGN TO BE PROVIDED BY KNOX COUNTY. CONTACT TRISTIAN MARCHWISZ AT (865) 215-5800 30 DAYS BEFORE INSTALLATION.
22 23	Clinton Hwy 7100	SIG-2	96"	24"	2¼"	1"	12"	9"		C			WHITE	GREEN/ (REF.)	0.100" SHEET ALUMINUM						17'	OVERHEAD SIGN - SEE SIGNAL SHEETS FOR PLACEMENT. SIGN TO BE PROVIDED BY KNOX COUNTY. CONTACT TRISTIAN MARCHWISZ AT (865) 215-5800 30 DAYS BEFORE INSTALLATION.
24 25 26 27	 R10-5	SIG-2	30"	36"									BLACK	WHITE/ (REF.)	0.080" SHEET ALUMINUM						17'	OVERHEAD SIGN - SEE SIGNAL SHEETS FOR PLACEMENT.
28	 R10-3EL	SIG-2	9"	15"									BLACK	WHITE/ ORANGE (REF.)	0.080" SHEET ALUMINUM							SEE T-SG-6 FOR DETAILS.
29 30 31	 R10-3ER	SIG-2	9"	15"									BLACK	WHITE/ ORANGE (REF.)	0.080" SHEET ALUMINUM							SEE T-SG-6 FOR DETAILS.

SEALED BY

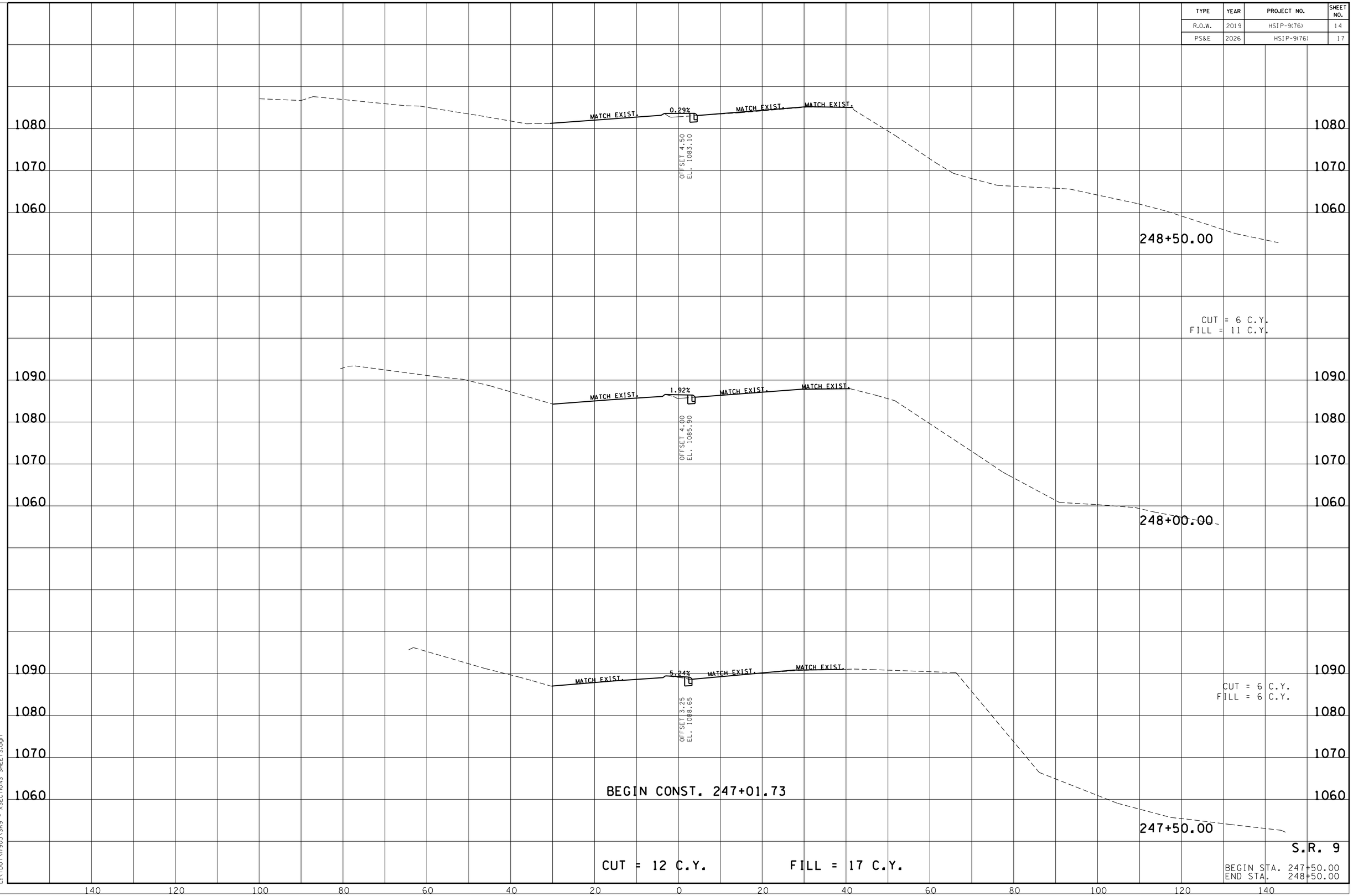


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE SHEETS

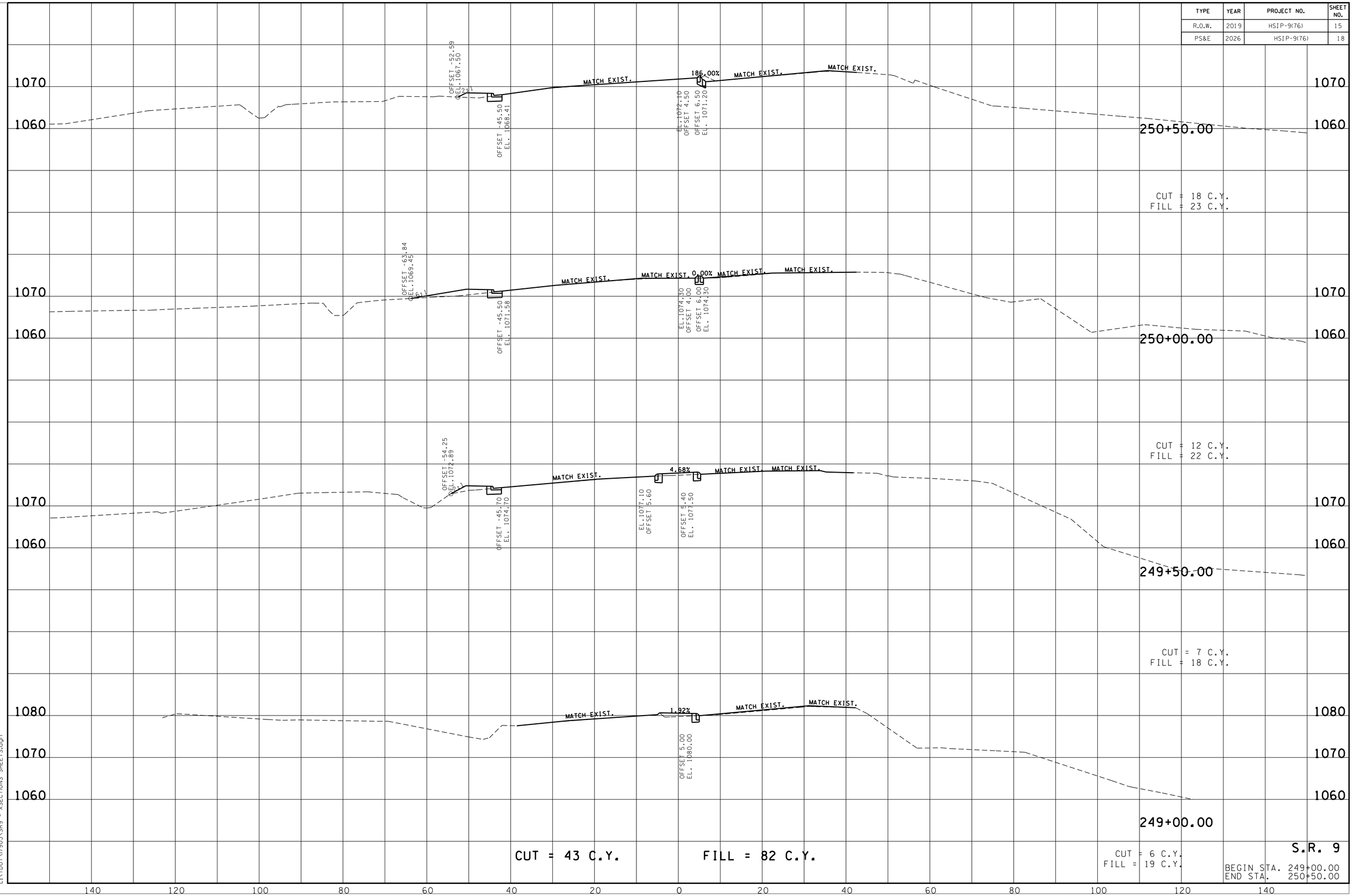
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	14
PS&E	2026	HSIP-9(76)	17



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	15
PS&E	2026	HSIP-9(76)	18

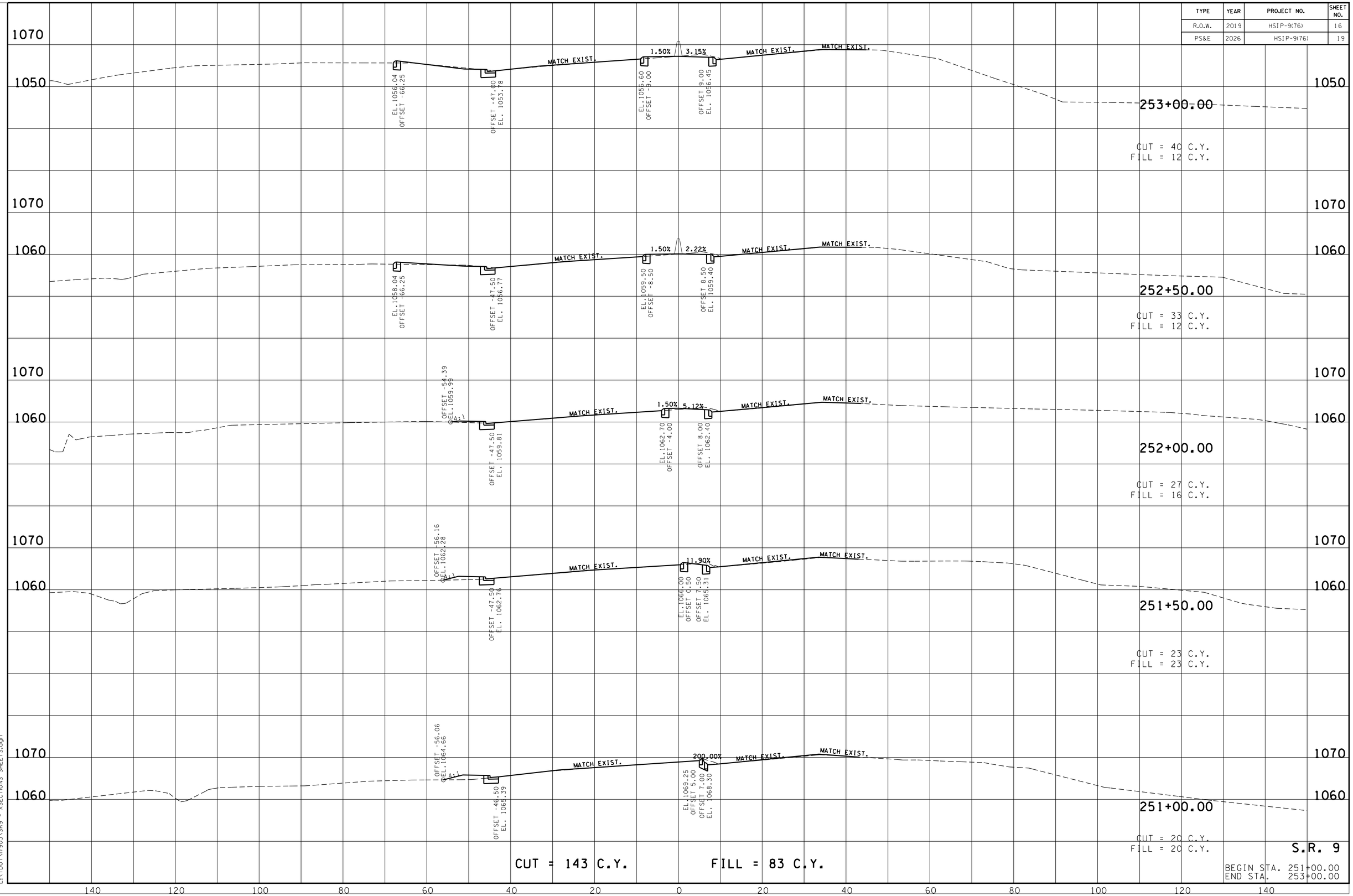


S.R. 9

BEGIN STA. 249+00.00
END STA. 250+50.00

7/6/2026 9:14:21 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	16
PS&E	2026	HSIP-9(76)	19

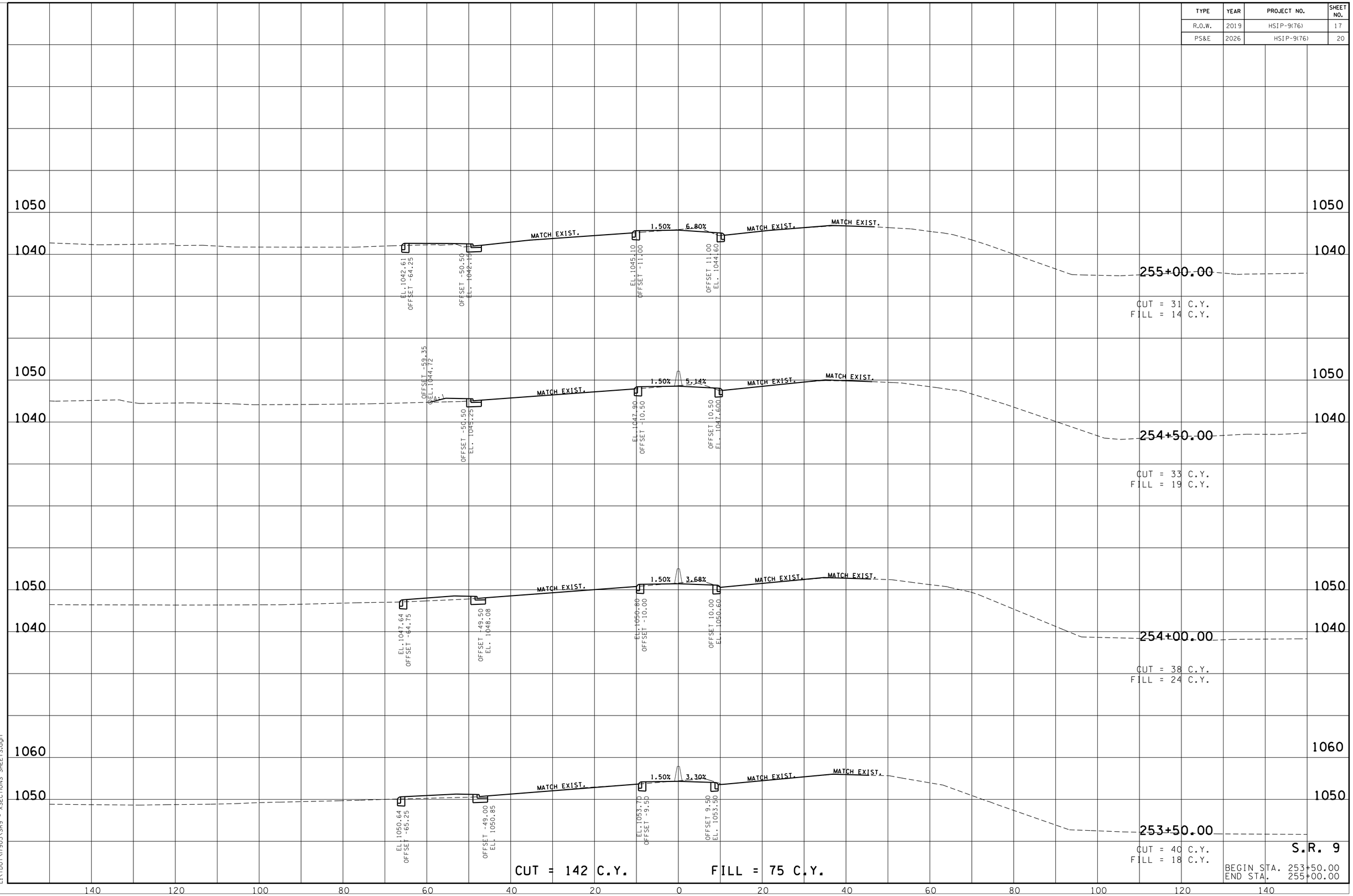


S.R. 9

BEGIN STA. 251+00.00
END STA. 253+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	17
PS&E	2026	HSIP-9(76)	20

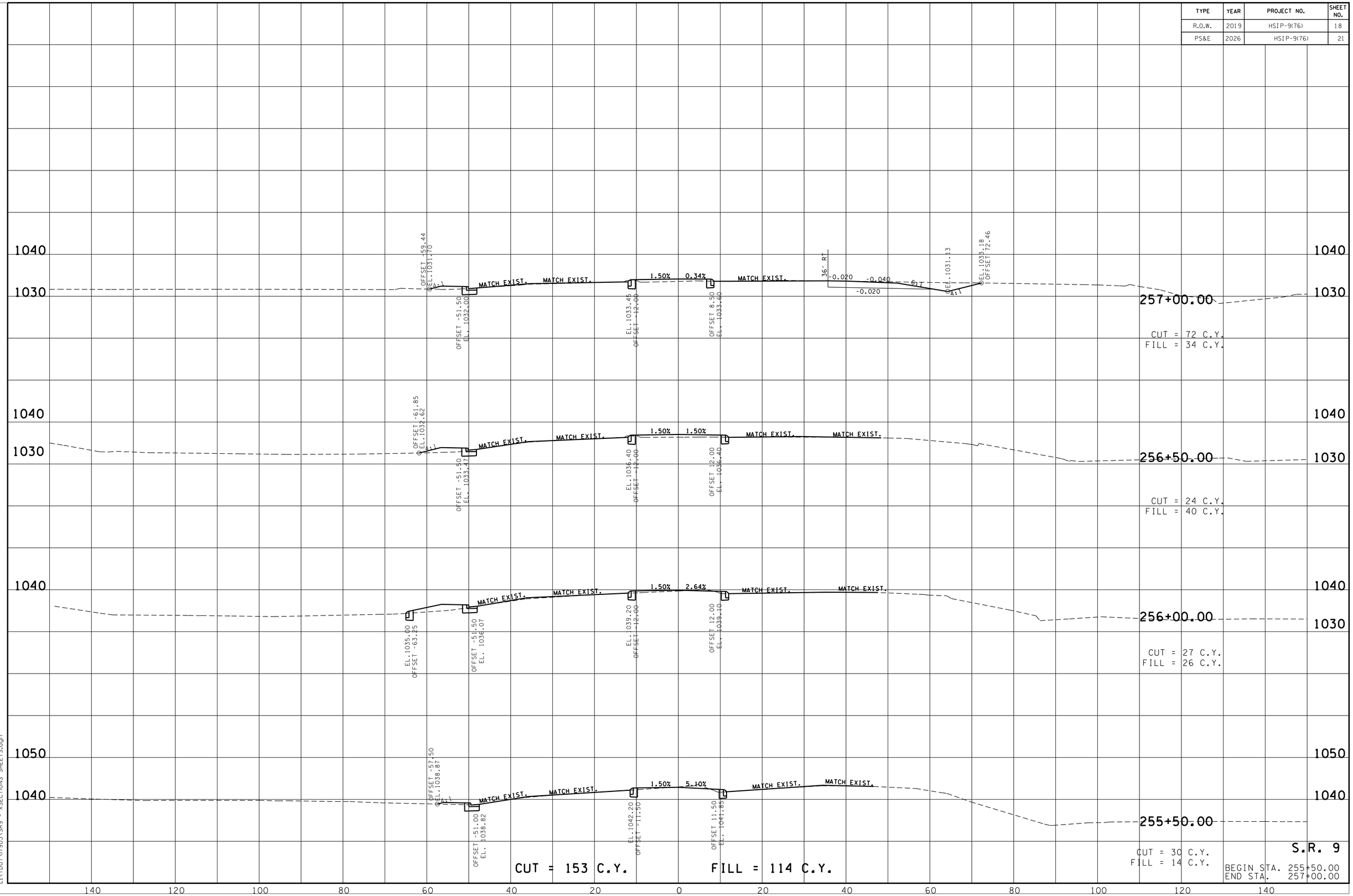


S.R. 9

BEGIN STA. 253+50.00
END STA. 255+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	18
PS&E	2026	HSIP-9(76)	21

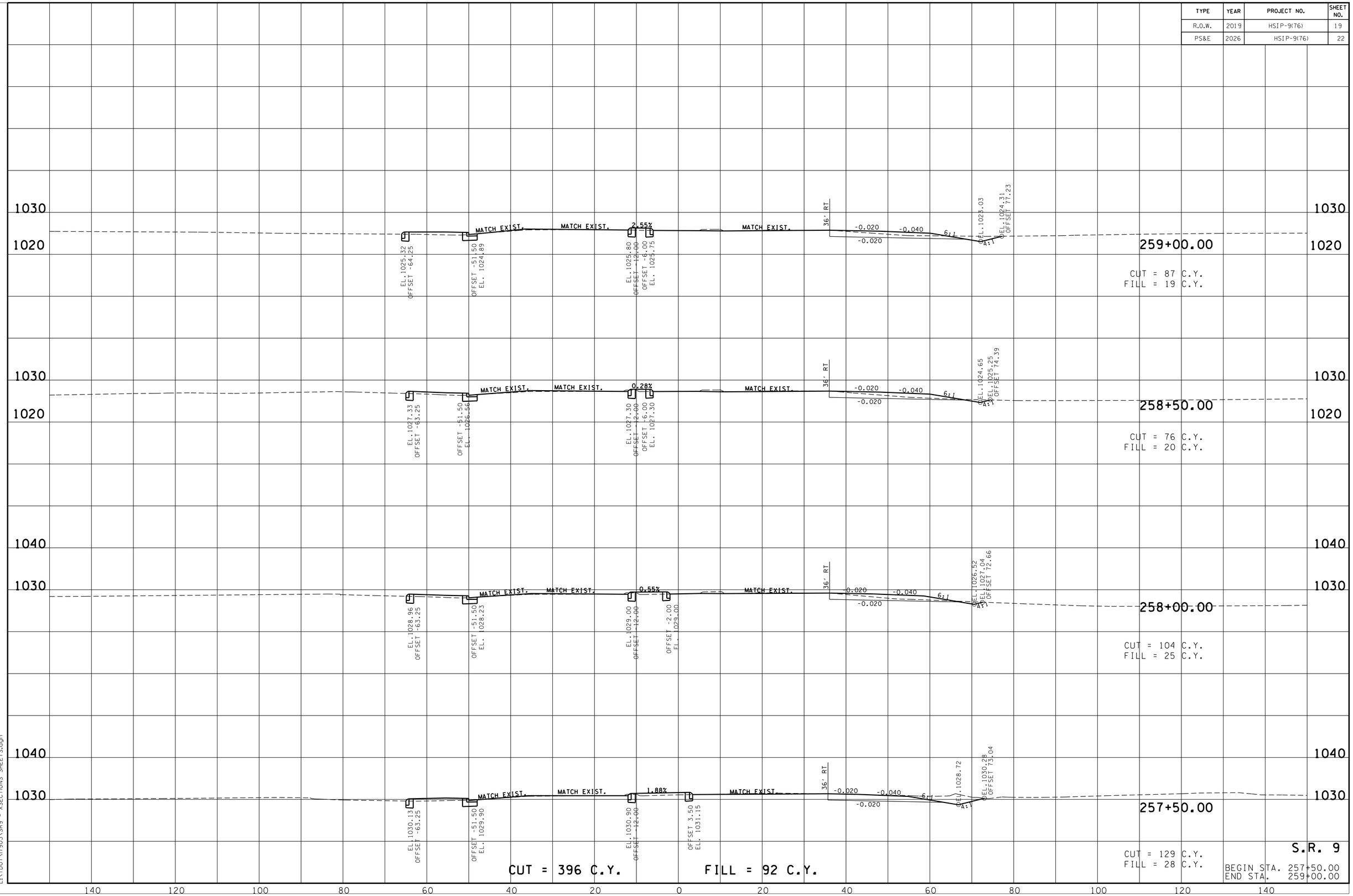


S.R. 9

BEGIN STA. 255+50.00
END STA. 257+00.00

7/6/2026 9:14:23 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	19
PS&E	2026	HSIP-9(76)	22

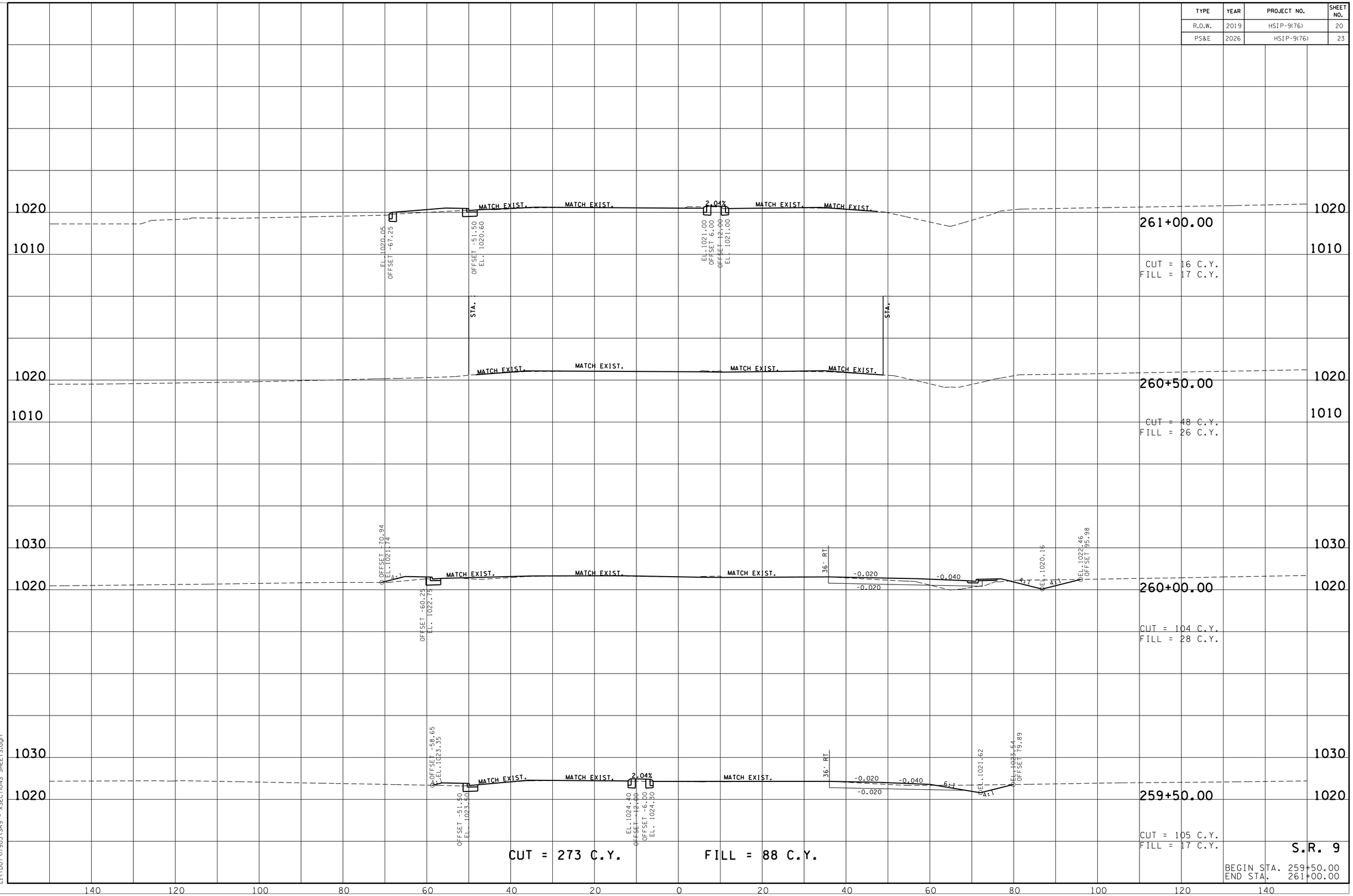


S.R. 9

BEGIN STA. 257+50.00
END STA. 259+00.00

7/6/2026 9:14:24 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	20
PS&E	2026	HSIP-9(76)	23

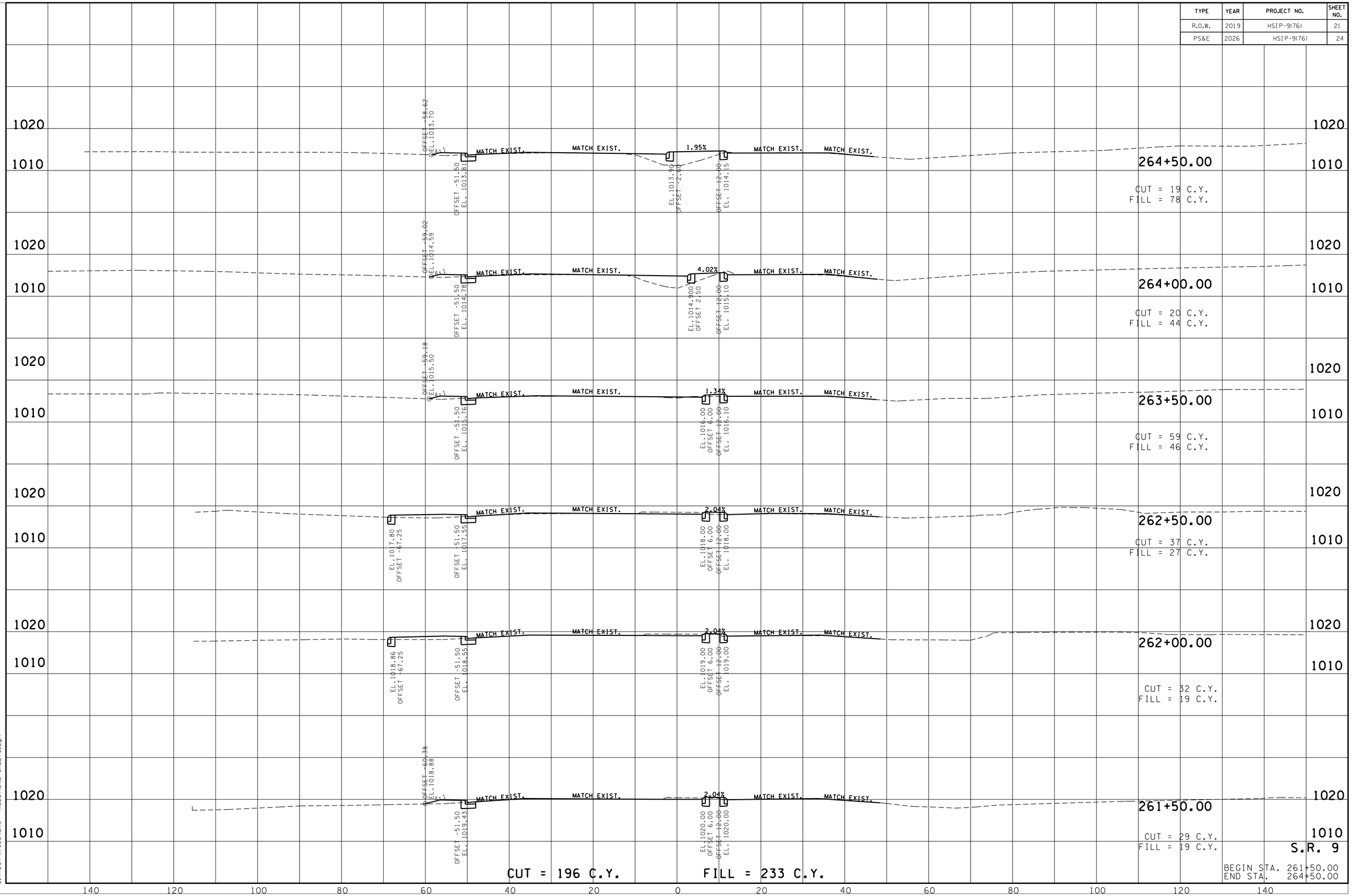


S.R. 9

BEGIN STA. 259+50.00
END STA. 261+00.00

7/6/2026 9:14:25 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	21
PS&E	2026	HSIP-9(76)	24

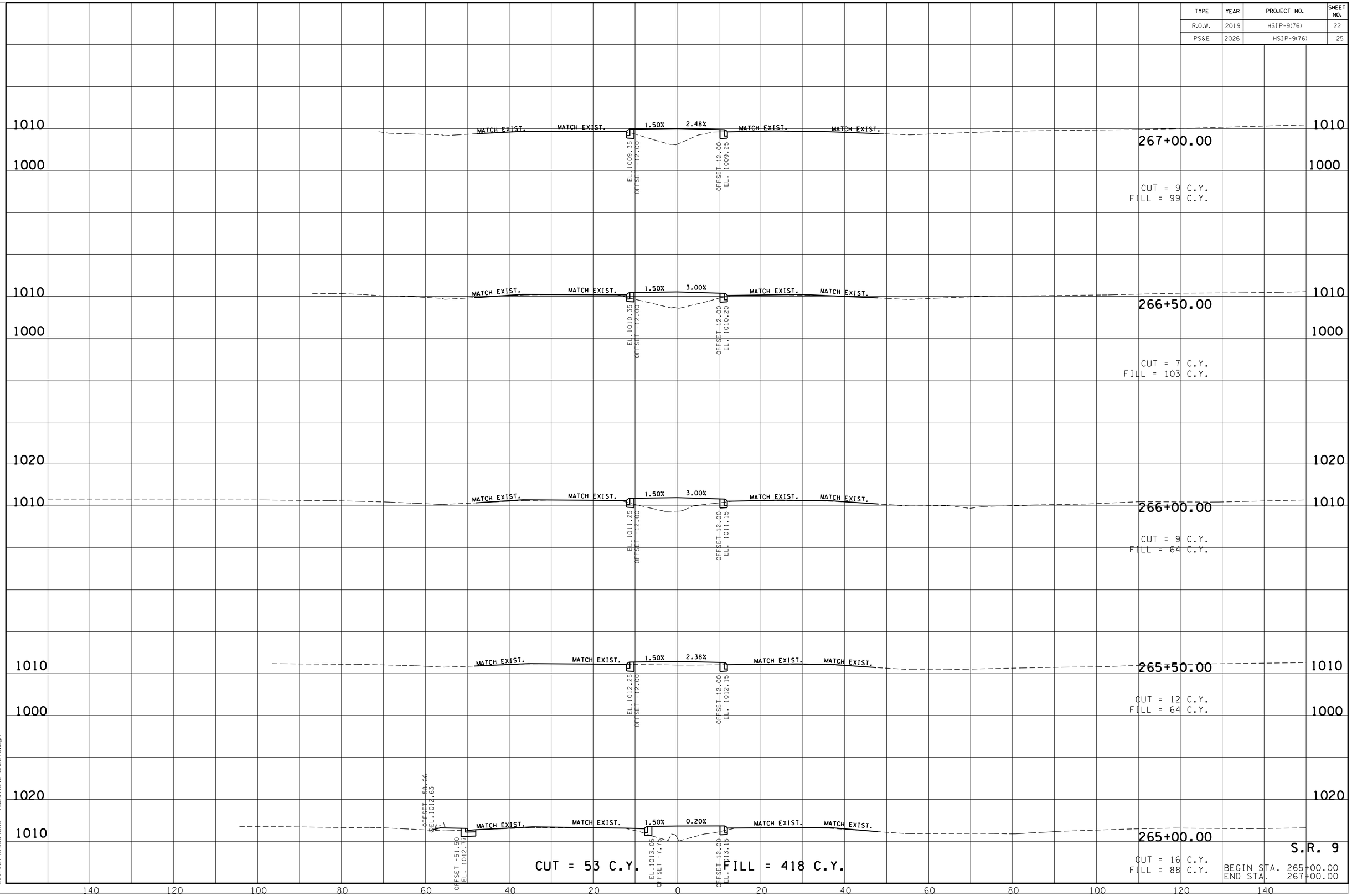


S.R. 9

BEGIN STA. 261+50.00
END STA. 264+50.00

7/6/2026 9:4:26 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	22
PS&E	2026	HSIP-9(76)	25

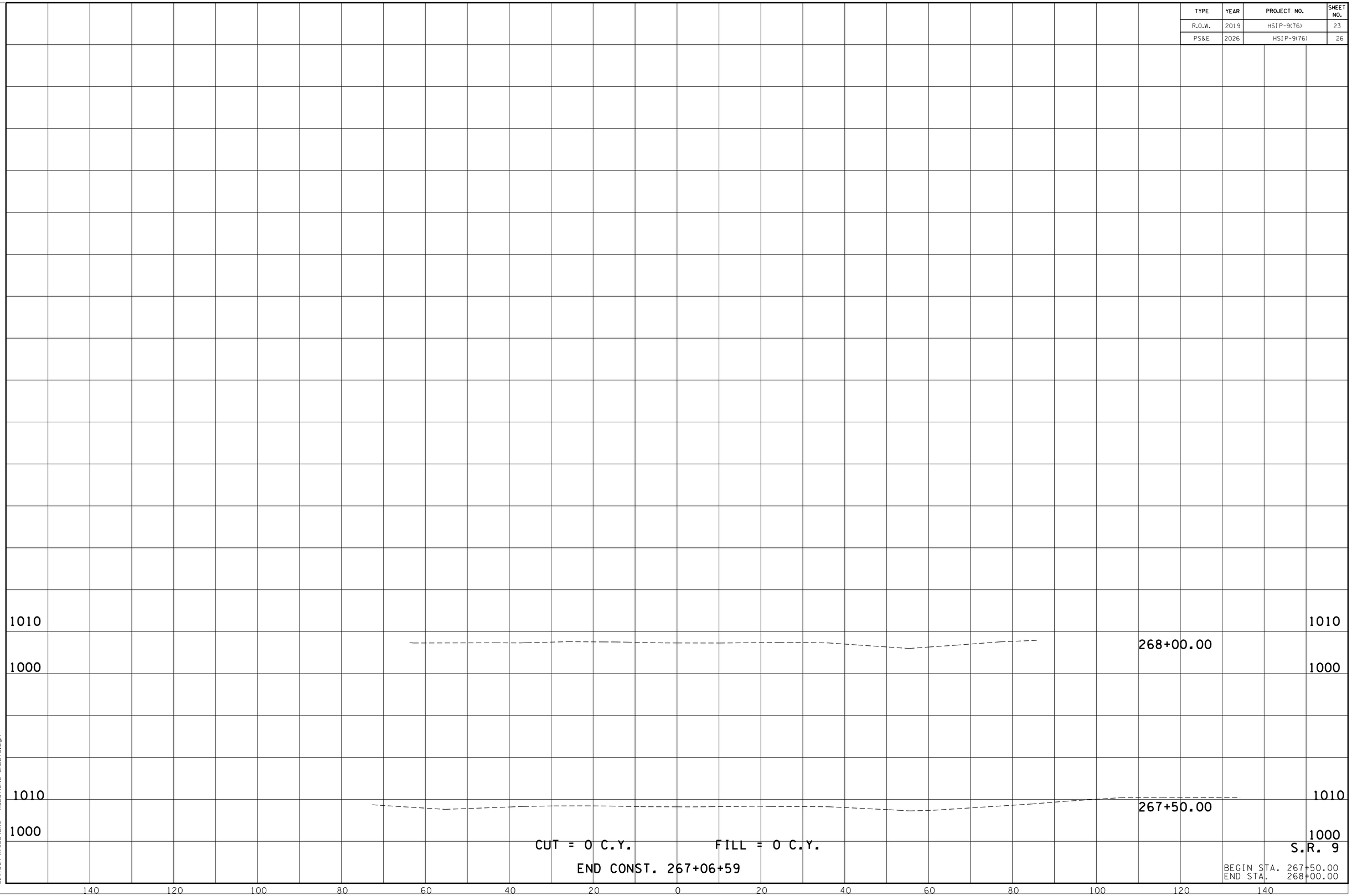


S.R. 9

BEGIN STA. 265+00.00
END STA. 267+00.00

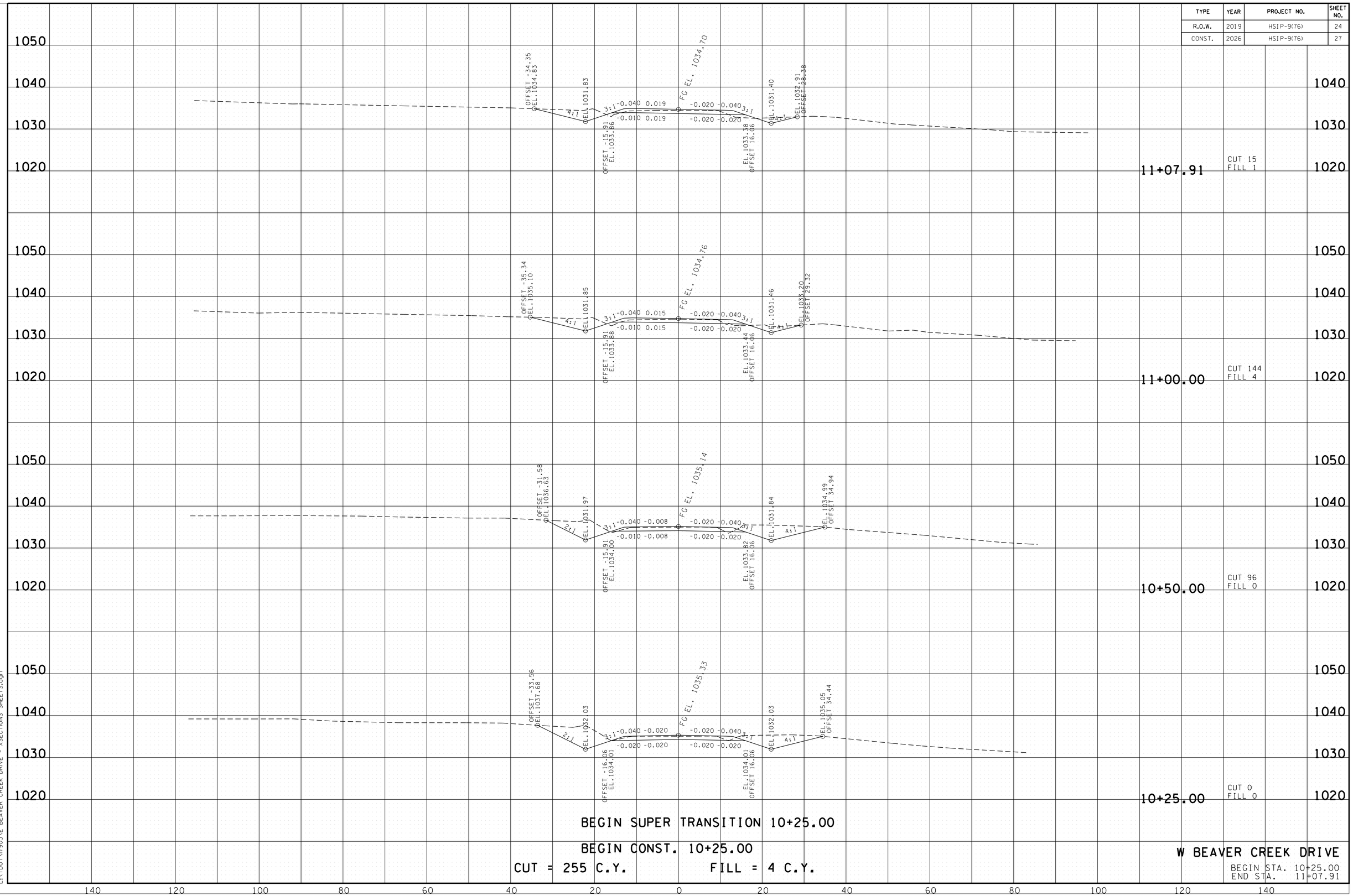
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	23
PS&E	2026	HSIP-9(76)	26



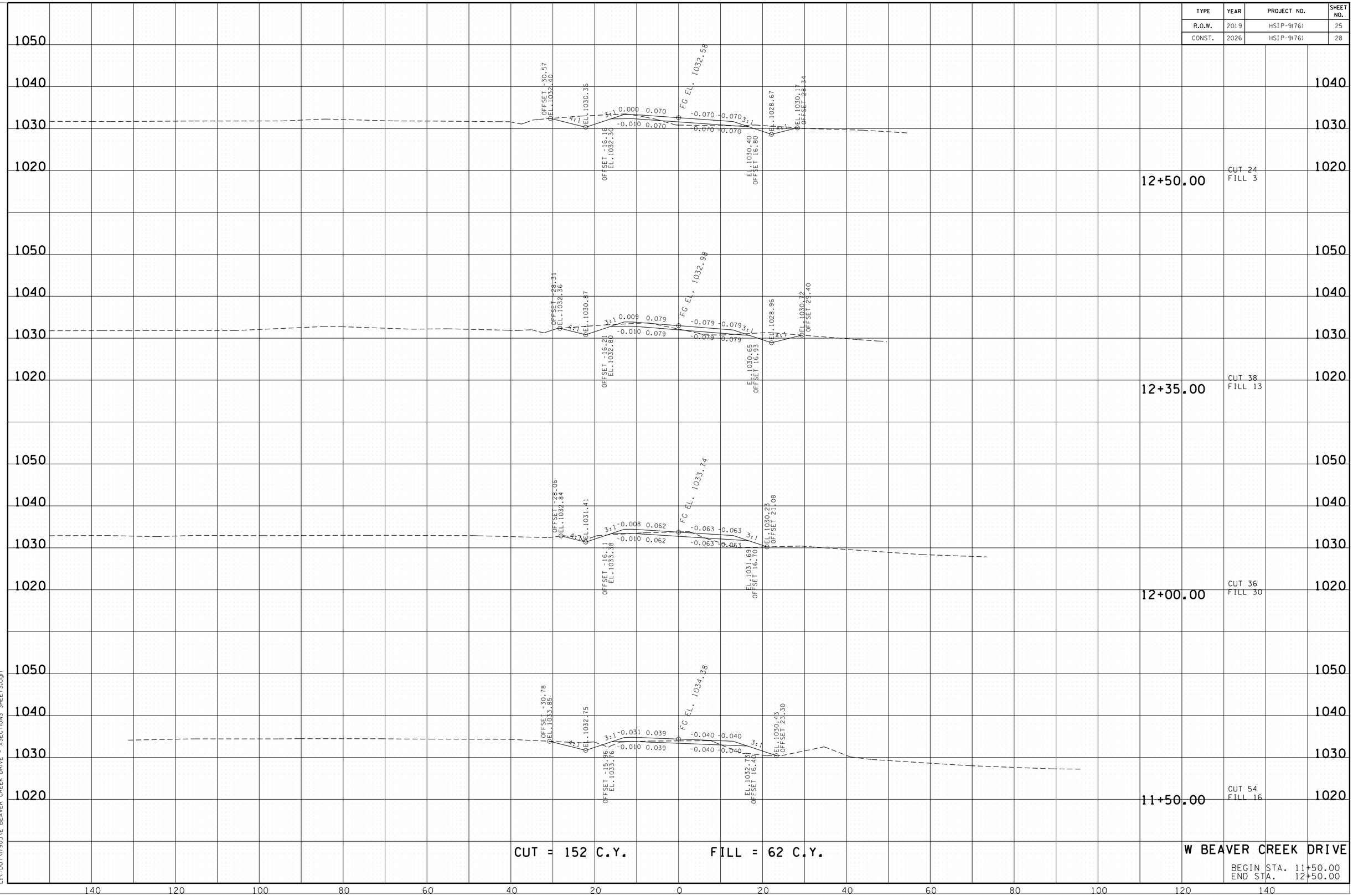
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	24
CONST.	2026	HSIP-9(76)	27



7/6/2026 9:14:29 AM
L:\TDOT\V7903\E BEAVER CREEK DRIVE - XSECTIONS SHEETS.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	25
CONST.	2026	HSIP-9(76)	28



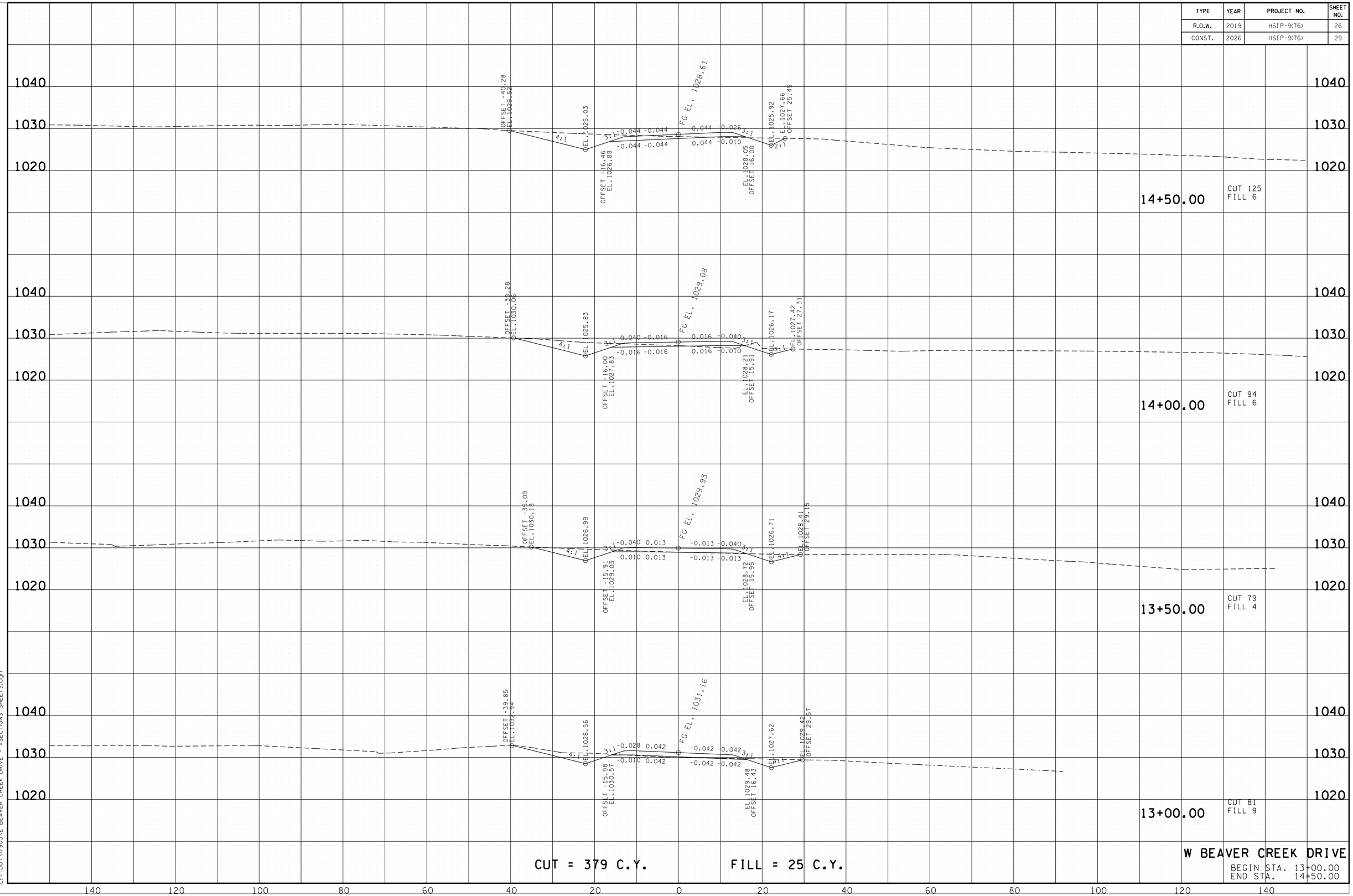
CUT = 152 C.Y. FILL = 62 C.Y.

W BEAVER CREEK DRIVE

BEGIN STA. 11+50.00
END STA. 12+50.00

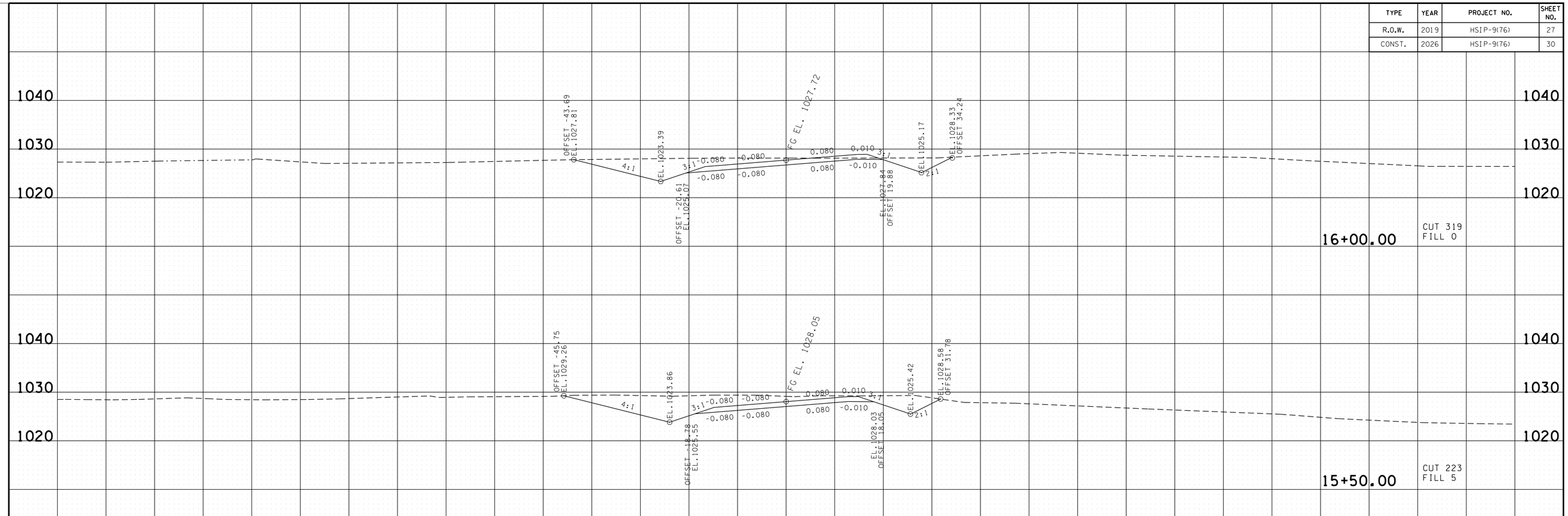
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	26
CONST.	2026	HSIP-9(76)	29



7/6/2026 9:43:1 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	27
CONST.	2026	HSIP-9(76)	30



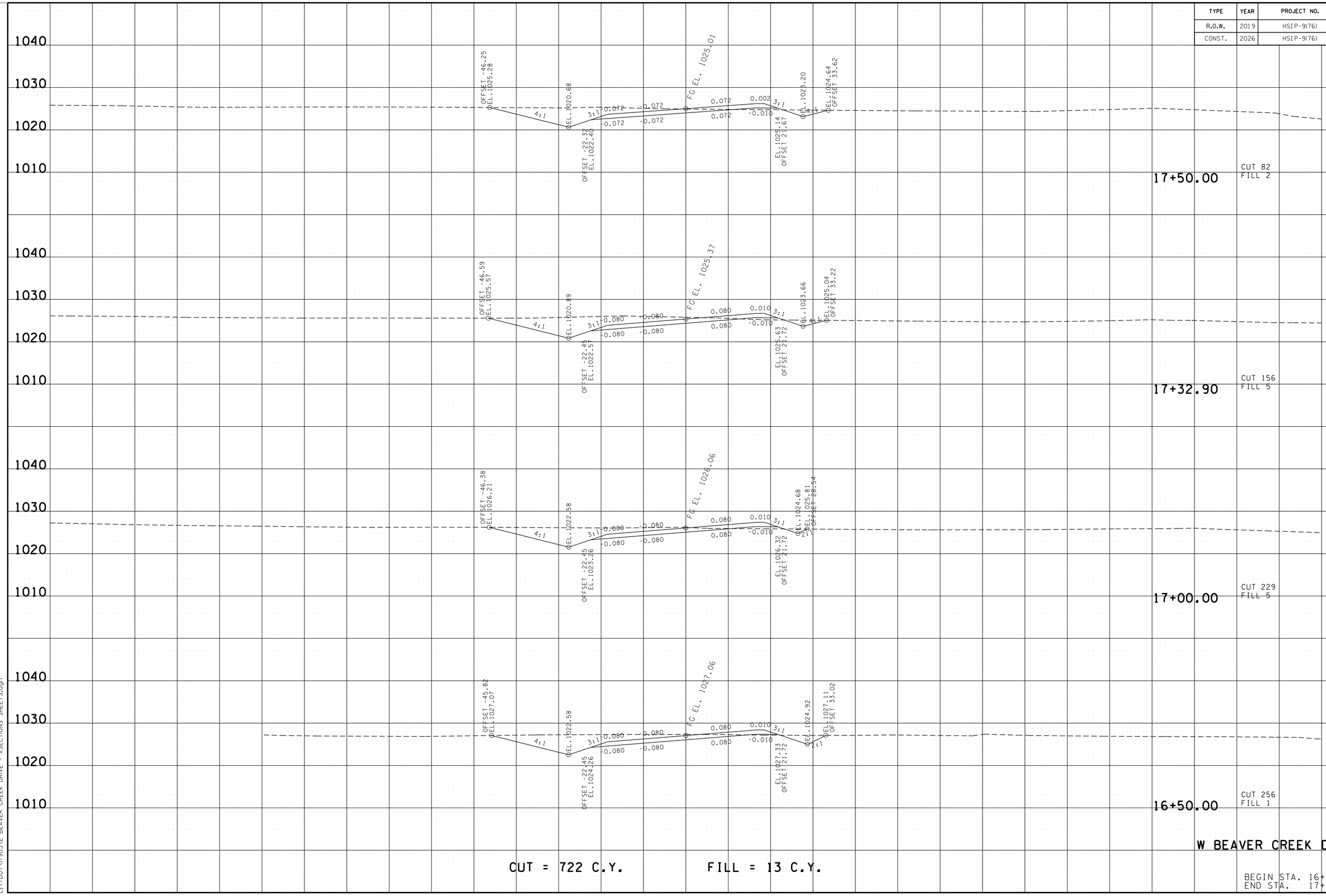
CUT = 753 C.Y. FILL = 19 C.Y.

W BEAVER CREEK DRIVE

BEGIN STA. 15+00.00
END STA. 16+00.00

7/6/2026 9:14:32 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	28
CONST.	2026	HSIP-9(76)	31



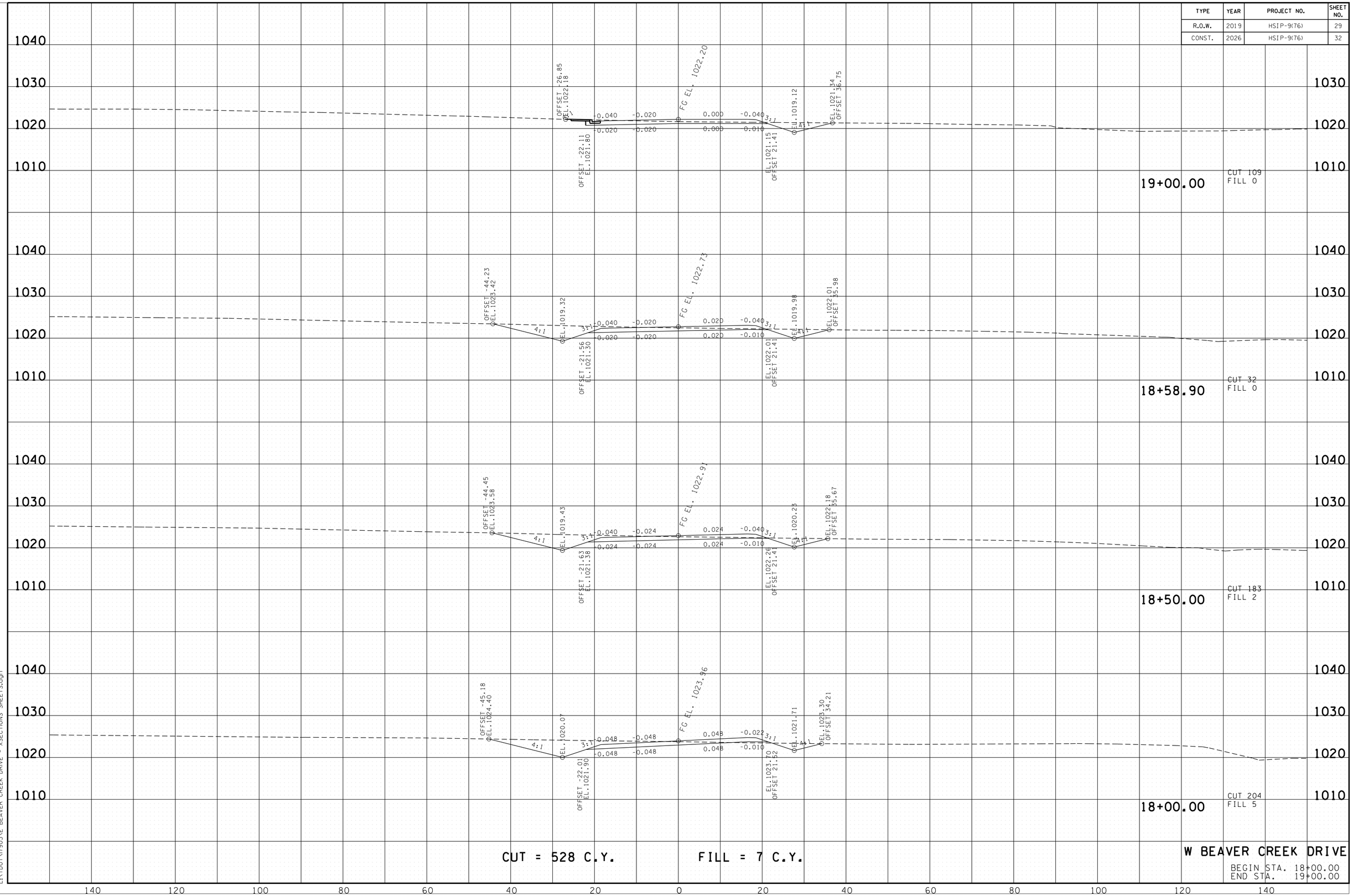
CUT = 722 C.Y. FILL = 13 C.Y.

W BEAVER CREEK DRIVE

BEGIN STA. 16+50.00
END STA. 17+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	29
CONST.	2026	HSIP-9(76)	32

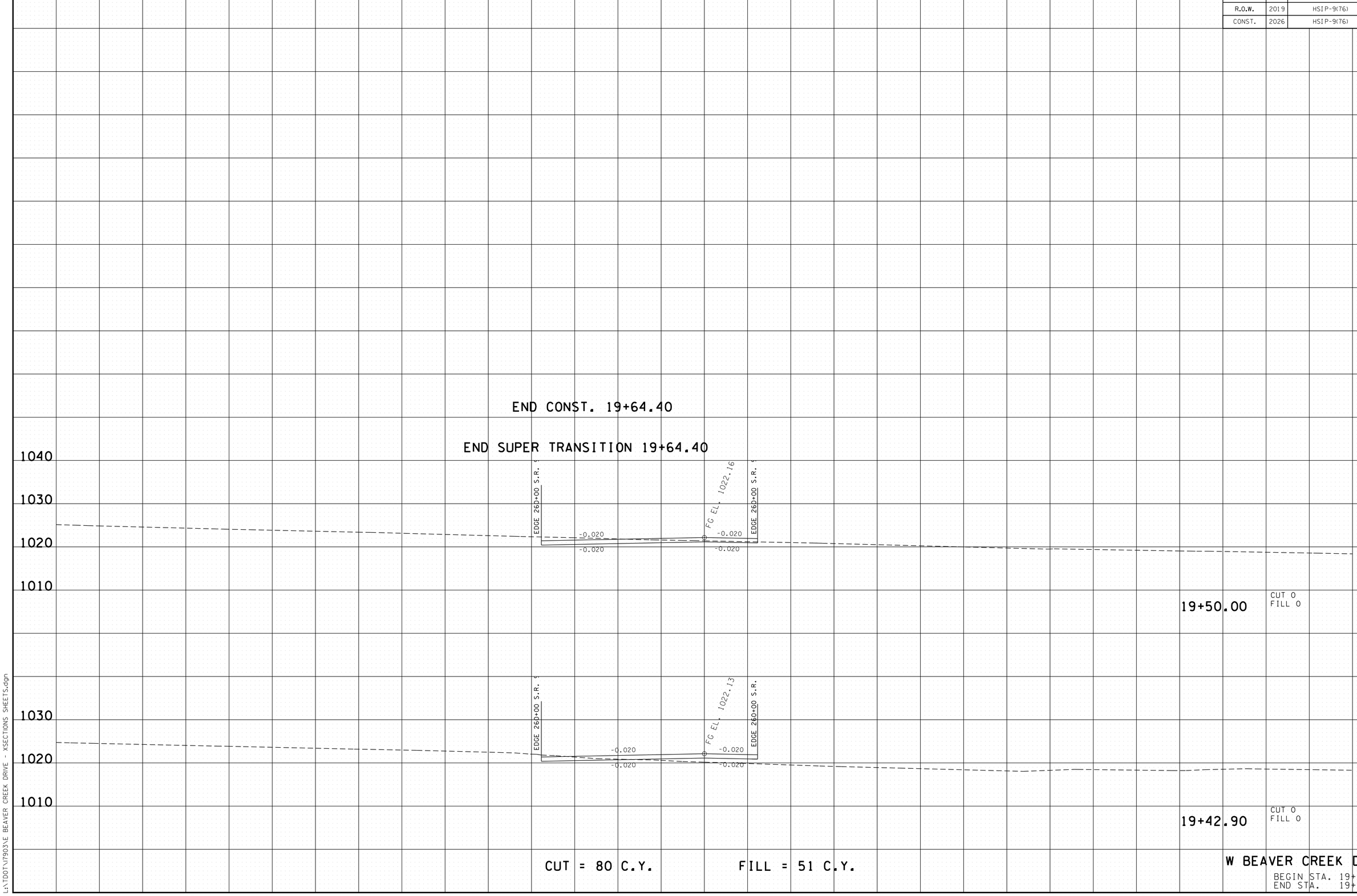


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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	30
CONST.	2026	HSIP-9(76)	33

END CONST. 19+64.40

END SUPER TRANSITION 19+64.40



CUT = 80 C.Y.

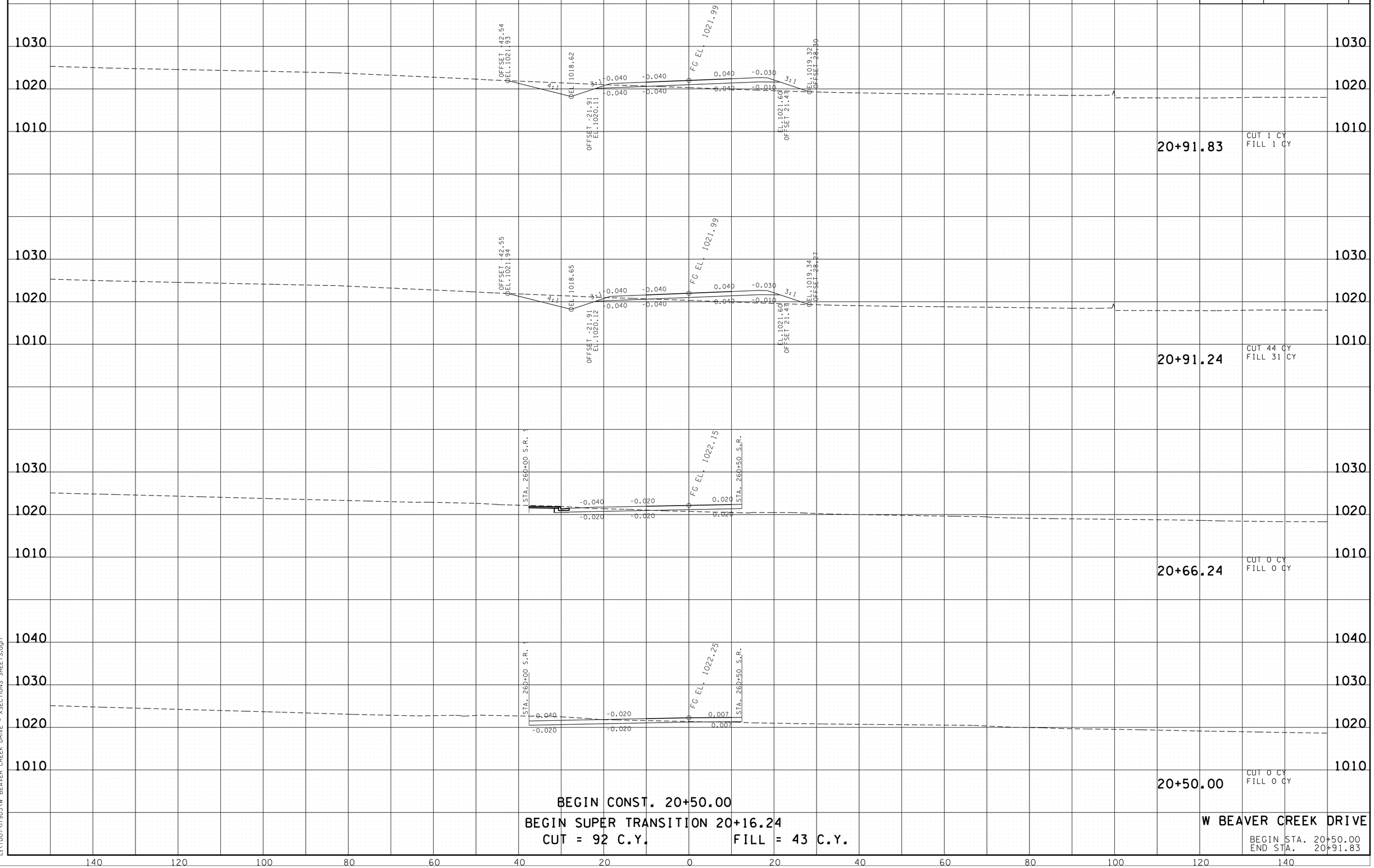
FILL = 51 C.Y.

W BEAVER CREEK DRIVE

BEGIN STA. 19+42.90
END STA. 19+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	31
PS&E	2026	HSIP-9(76)	34



BEGIN CONST. 20+50.00

BEGIN SUPER TRANSITION 20+16.24

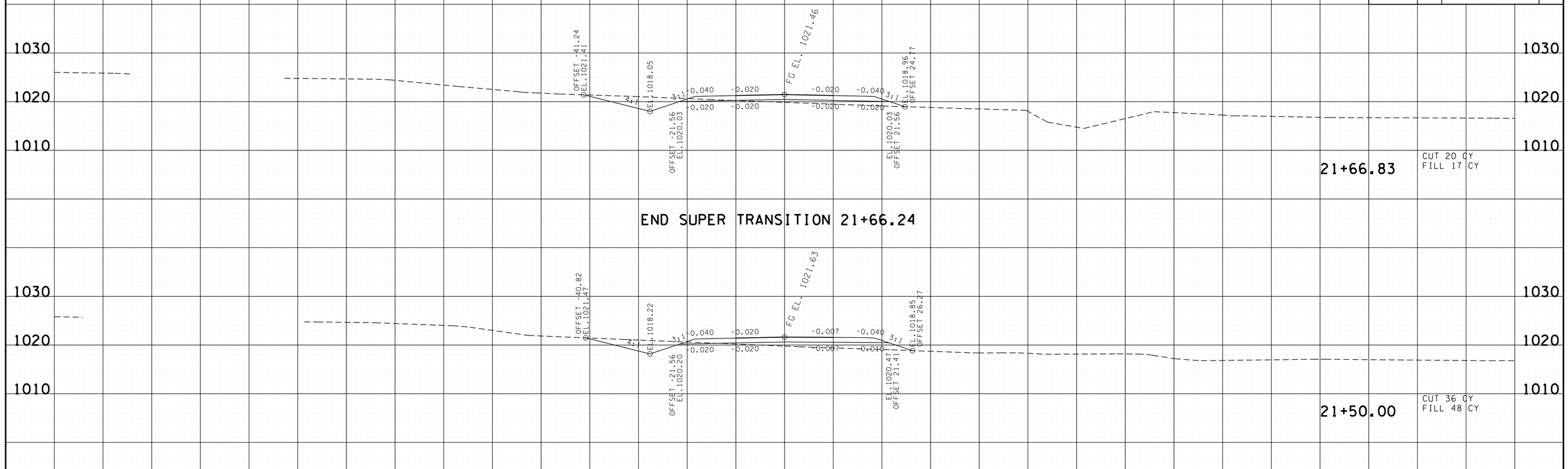
CUT = 92 C.Y. FILL = 43 C.Y.

W BEAVER CREEK DRIVE

BEGIN STA. 20+50.00
END STA. 20+91.83

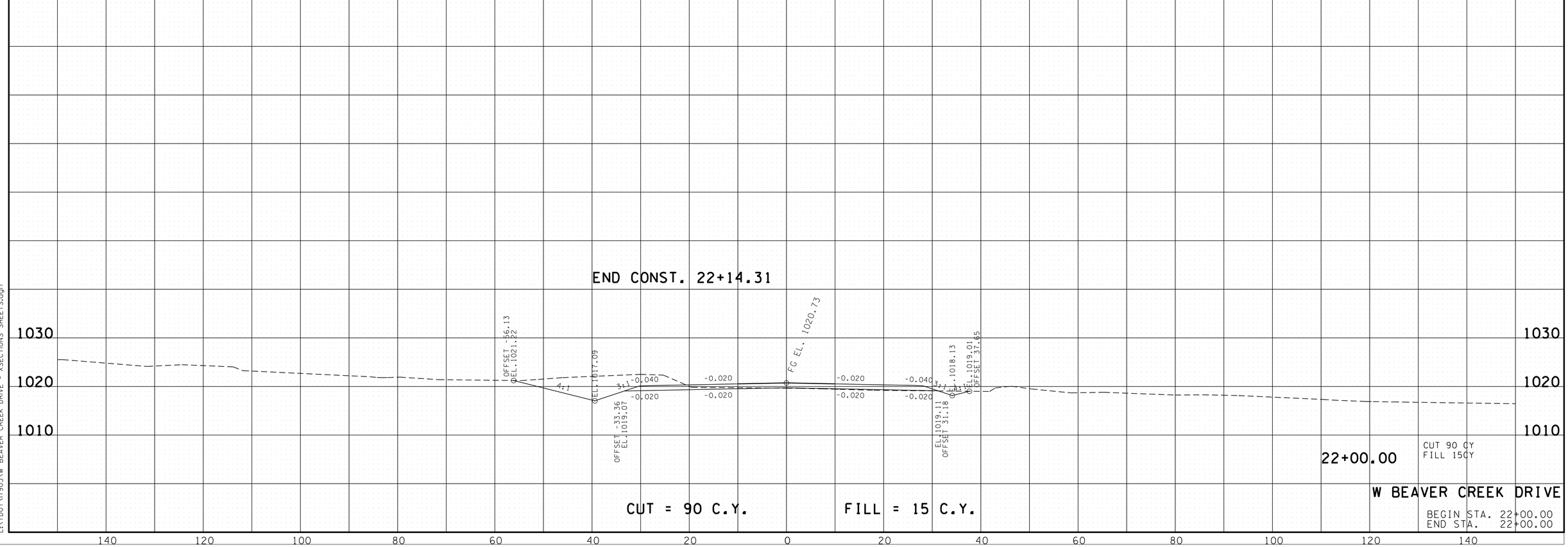
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	32
PS&E	2026	HSIP-9(76)	35



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	33
PS&E	2026	HSIP-9(76)	36

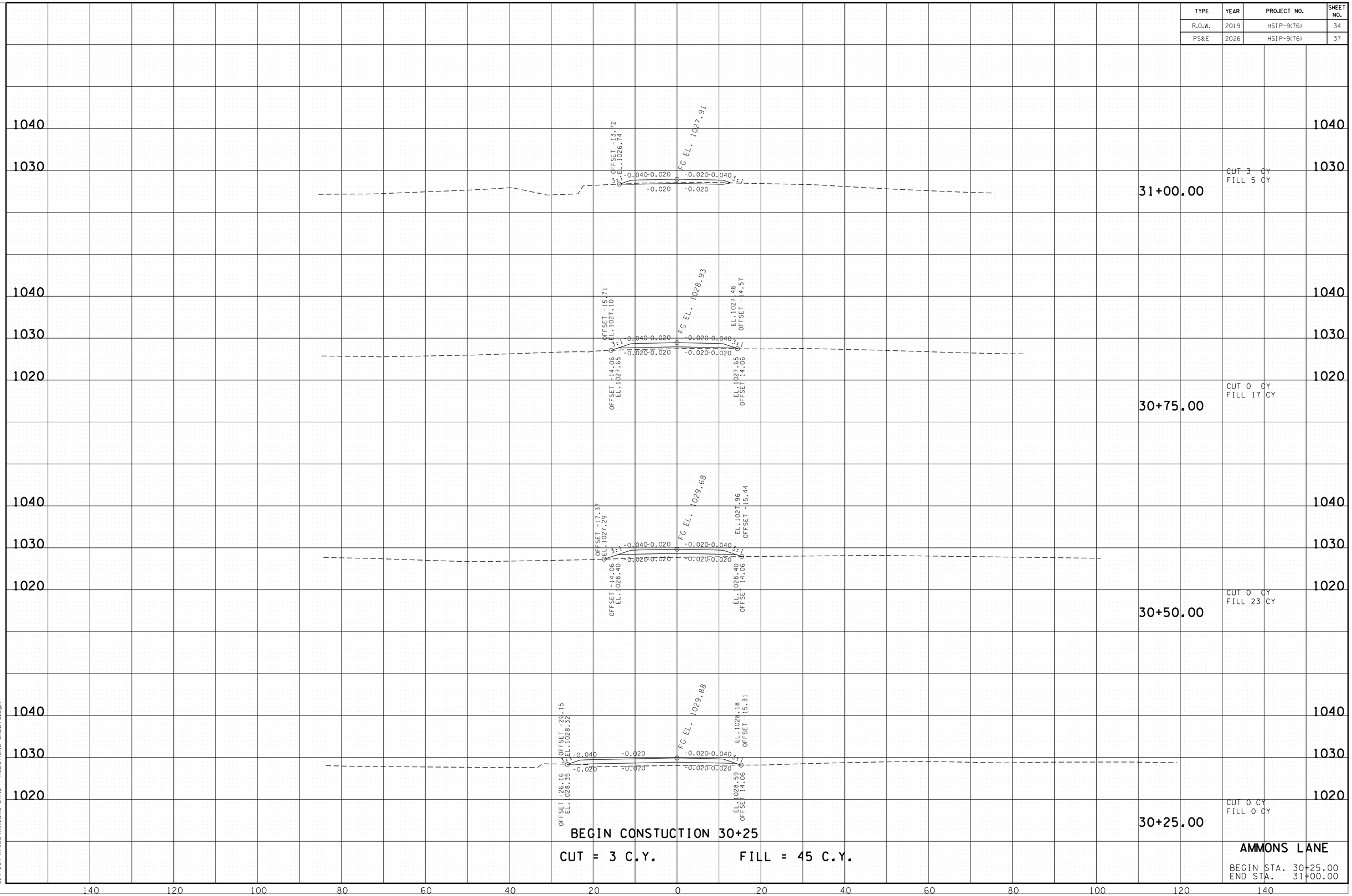


W BEAVER CREEK DRIVE

BEGIN STA. 22+00.00
END STA. 22+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	34
PS&E	2026	HSIP-9(76)	37



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PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	T1
PS&E	2026	HSIP-9(76)	T1

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

GREGORY A. CARLSON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. [illegible]
STATE OF TENNESSEE

7/10/2026

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

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TRAFFIC CONTROL SIGN TABULATION

M.U.T.C.D. SIGN NO.	LEGEND	SIZE IN INCHES W	x	H	S.F.	NO. REQUIRED PHASE I	NO. REQUIRED PHASE II	NO. REQUIRED PHASE III	NO. REQUIRED PHASE IV	NO. REQUIRED PHASE V	TOTAL NO. REQUIRED	ITEM NO. 712-06 S.F.	STANDARD DRAWING NO.	REMARKS
W20-1	ROAD WORK 1 MILE	48	x	48	16	2	2	2			2	32.0	T-WZ-10	
W20-1	ROAD WORK 1/2 MILE	48	x	48	16.2	2	2	2			2	32.0	T-WZ-10	
W20-1	ROAD WORK 1000 FT	48	x	48	16	2	2	2			2	32.0	T-WZ-10	
W20-1	ROAD WORK 1500 FT	36	x	36	9	3	3	3			3	27.0	T-WZ-10	
W20-1	ROAD WORK 1000 FT	36"	x	36"	9.0	3	3	3			3	27.0	T-WZ-10	
W20-1	ROAD WORK 500 FT	36"	x	36"	9.0	3	3	3			3	27.0	T-WZ-10	
W20-2	ROAD WORK AHEAD	36"	x	36"	9.0	1	1	1			1	9.0	T-WZ-11	
G20-2	END ROAD WORK	36"	x	18"	4.5	6	6	6			6	27.0	T-WZ-10	
R11-2	ROAD CLOSED	48"	x	30"	10.0	5					5	50.0		
W20-7	FLAGGER AHEAD	36"	x	36"	9.0	6					6	54.0		
W20-4	ONE LANE ROAD AHEAD	36"	x	36"	9.0	6					6	54.0		
W8-11(MOD)	UNEVEN LANES	36"	x	36"	9.0	2					2	18.0		
	UNEVEN LANES	24"	x	18"	3.0	2					2	6.0		
											TOTAL	395.0	S.F.	

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	TEMPORARY BARRICADE (TYPE III)
	PORTABLE BARRIER RAIL
→	TRAFFIC FLOW

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	T2
PS&E	2026	HSIP-9(76)	T2

PHASE 1
SEQUENCE OF CONSTRUCTION

1) PERFORM GRADING AND DRAINAGE OPERATIONS WITHIN THE AREAS SHOWN THAT ARE IN THE CLEAR ON W. BEAVER CREEK DRIVE.
2) PERFORM GRADING AND DRAINAGE OPERATIONS WITHIN THE AREAS SHOWN THAT ARE IN THE CLEAR ON S.R. 9 (CLINTON HIGHWAY).
3) ADD BASE STONE AND PAVE THROUGH THE BINDER LAYER AS SHOWN ON THE PLANS.
4) CONSTRUCT THE CURB AND GUTTER SECTIONS ALONG S.R. 9 AND IT'S INTERSECTIONS WITH W. BEAVER CREEK DRIVE.
5) CONSTRUCT OLD CLINTON PIKE TURNAROUND PRIOR TO CLOSING TIE IN TO S.R. 9.
6) ONCE CONSTRUCTED, PLACE APPROPRIATE BARRICADES AND SIGNAGE FOR ALL ROAD CLOSURE.

PHASE 2
SEQUENCE OF CONSTRUCTION

1) PERFORM GRADING AND DRAINAGE OPERATIONS WITHIN THE AREAS SHOWN AMMONS LANE UP THROUGH THE FINAL LAYER OF PAVEMENT. THIS IS TO BE CONSTRUCTED AT NIGHT WITH FLAGGING USED TO PLACE THE FILL IN 4" ASPHALT LIFTS AS SHOWN IN THE PROFILE ABOVE.
2) PERFORM GRADING AND DRAINAGE OPERATIONS ON THE REMAINDER OF W. BEAVER CREEK DRIVE THROUGH THE BINDER LEVEL. THIS IS TO BE CONSTRUCTED AT NIGHT WITH FLAGGING USED TO PLACE THE ASPHALT LIFTS AND PAVED AND ADD PAVEMENT MARKING AND PEN TO TRAFFIC.
3) INSTALL PROPOSED TRAFFIC SIGNALS AND OPEN TO TRAFFIC.
4) PERFORM GRADING, CURBING AND DRAINAGE OPERATIONS WITHIN THE AREAS SHOWN S.R. 9 (CLINTON HIGHWAY).

PHASE 3
SEQUENCE OF CONSTRUCTION

1) CONSTRUCT THE TURN-AROUND ON OLD CLINTON PIKE.
2) RESURFACE ONE LANE AT A TIME AND ADD PAVEMENT MARKINGS TO S.R. 9 (CLINTON HIGHWAY AND LAKEWOOD LANE.
3) SCARIFY EAST AND WEST BEAVER CREEK DRIVE.

TABULATED TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-01	TRAFFIC CONTROL	LS	1
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	5000
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	150
712-05.01	WARNING LIGHTS (TYPE A)	EACH	10
712-05.03	WARNING LIGHTS (TYPE C)	EACH	75
712-06	SIGNS (CONSTRUCTION)	S.F.	395
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	300
712-08.03	ARROW BOARD (TYPE C)	EACH	2
713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	2

SEALED BY

GREGORY A. GRAY — REGISTERED ENGINEER — AGRICULTURE COMMERCE — NO. 102001 — STATE OF TENNESSEE

7/10/2026

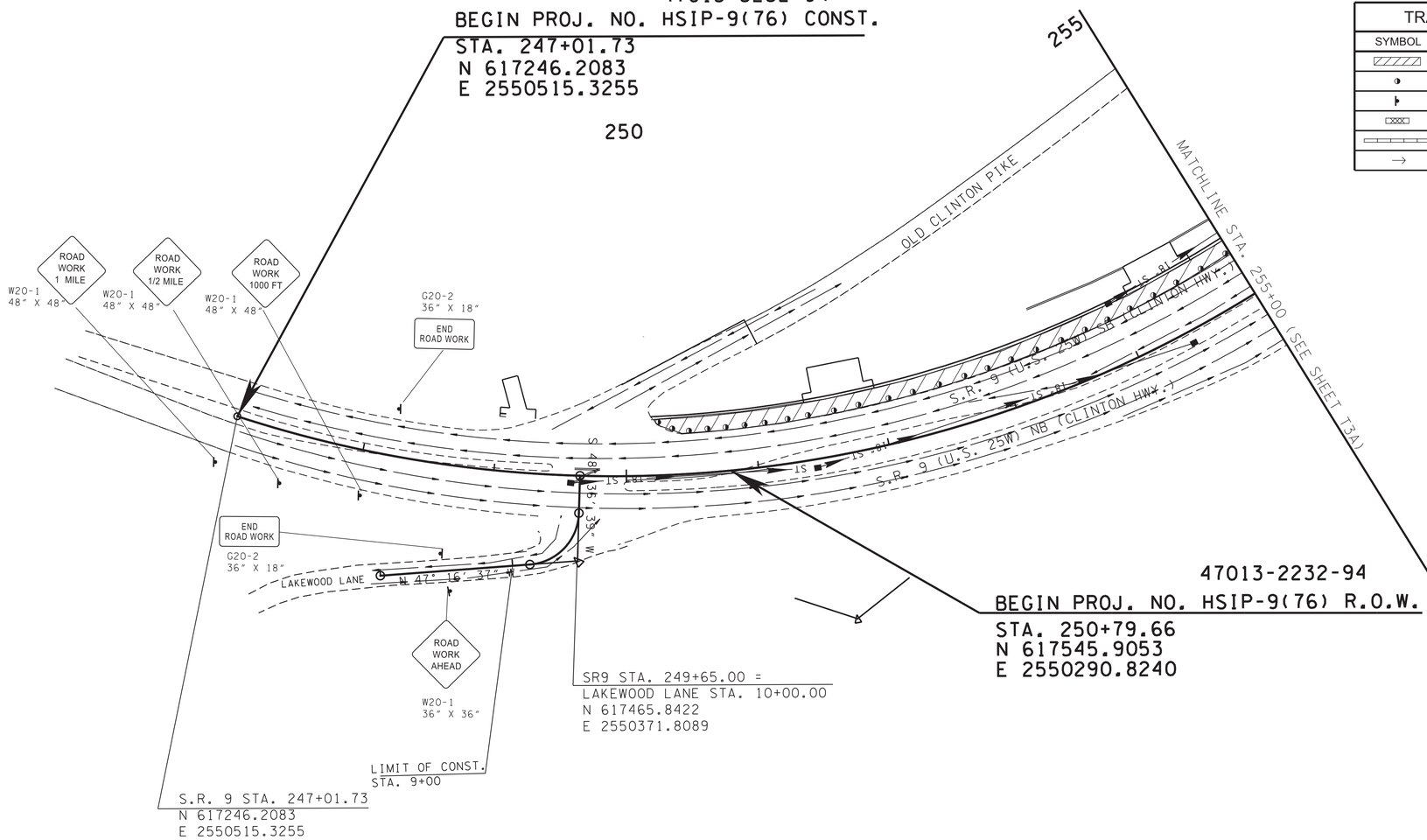
COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC PHASING NOTES, LEGEND AND TABULATION

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	T3
PS&E	2026	HSIP-9(76)	T3



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	TEMPORARY BARRICADE (TYPE III)
	PORTABLE BARRIER RAIL
→	TRAFFIC FLOW

PHASE 1
SEQUENCE OF CONSTRUCTION

1) PERFORM GRADING AND DRAINAGE OPERATIONS WITHIN THE AREAS SHOWN THAT ARE IN THE CLEAR ON W. BEAVER CREEK DRIVE.
2) PERFORM GRADING AND DRAINAGE OPERATIONS WITHIN THE AREAS SHOWN THAT ARE IN THE CLEAR ON S.R. 9 (CLINTON HIGHWAY).
3) ADD BASE STONE AND PAVE THROUGH THE BINDER LAYER AS SHOWN ON THE PLANS.
4) CONSTRUCT THE CURB AND GUTTER SECTIONS ALONG S.R. 9 AND IT'S INTERSECTIONS WITH W. BEAVER CREEK DRIVE.
5) ONCE CONSTRUCTED, PLACE APPROPRIATE BARRICADES AND SIGNAGE FOR ALL ROAD CLOSURE.

SEALED BY

GREGORY A. [illegible]
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. [illegible]
STATE OF TENNESSEE
7/6/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

STD. DWG. T-WZ-10

PHASE 1

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	T3A
PS&E	2026	HSIP-9(76)	T3A

255

OLD CLINTON PIKE

18' ASPHALT

W. BEAVER CREEK DRIVE 24' ASPHALT

MATCHLINE STA. 255+00 (SEE SHEET T3)

265

47013-3232-94

END PROJ. NO. HSIP-9(76) CONST.

STA. 267+06.59

N 617930.7460

E 2548732.0781

END ROAD WORK
G20-2
36" X 18"

ROAD WORK 500 FT
W20-1
36" X 36"

ROAD WORK 1000 FT
W20-1
36" X 36"

ROAD WORK 1500 FT
W20-1
36" X 36"

ROAD WORK 1000 FT
W20-1
48" X 48"

ROAD WORK 1/2 MILE
W20-1
48" X 48"

ROAD WORK 1 MILE
W20-1
48" X 48"

S.R. 9 (U.S. 25W) SB
(CLINTON HWY.)

S.R. 9 (U.S. 25W) NB
(CLINTON HWY.)

N 81° 24' 20" W

ASPHALT

24" ST

TYPE III BARRICADES WITH
TYPE 'A WARNING LIGHTS AND
ROAD CLOSDED SIGN
R11-2
48" X 30"
ROAD CLOSED

47013-2232-94

END PROJ. NO. HSIP-9(76) R.O.W.

STA. 261+00.00

N 617840.0974

E 2549331.8566

END ROAD WORK
G20-2
36" X 18"

S.R.9 (CLINTON HIGHWAY STA. 260+37.56 =
W BEAVER CREEK DRIVE STA. 20+00.00
N 617830.7668
E 2549393.5931

N

37' ASPHALT
BEAVER CREEK DRIVE

W BEAVER CREEK STA. 13+67.02 =
AMMONS LANE STA. 30+00.00
N 618352.7767
E 2549688.8931

TYPE III BARRICADES WITH
TYPE 'A WARNING LIGHTS AND
ROAD CLOSDED SIGN
R11-2
48" X 30"
ROAD CLOSED

LIMIT OF CONST.
STA. 31+50

AMMONS LANE STA. 31+50.00
N 618463.2225
E 2549587.3957

TYPE III BARRICADES WITH
TYPE 'A WARNING LIGHTS AND
ROAD CLOSDED SIGN
R11-2
48" X 30"
ROAD CLOSED

LIMIT OF CONST.
STA. 10+25.00

W BEAVER CREEK DRIVE
N 41° 59' 23" W

20' ASPHALT

ROAD WORK 500 FT
W20-1
36" X 36"

ROAD WORK 1000 FT
W20-1
36" X 36"

END ROAD WORK
G20-2
36" X 18"

ROAD WORK 500 FT
W20-1
36" X 36"

ROAD WORK 1000 FT
W20-1
36" X 36"

ROAD WORK 1500 FT
W20-1
36" X 36"

G20-2
36" X 18"
END ROAD WORK

ROAD WORK 1500 FT
W20-1
36" X 36"

W BEAVER CREEK STA. 10+25.00
N 618555.2866
E 2549959.8183

AMMONS LANE

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	TEMPORARY BARRICADE (TYPE III)
	PORTABLE BARRIER RAIL
→	TRAFFIC FLOW

PHASE 1
SEQUENCE OF CONSTRUCTION

1) PERFORM GRADING AND DRAINAGE OPERATIONS WITHIN THE AREAS SHOWN THAT ARE IN THE CLEAR ON W. BEAVER CREEK DRIVE.
2) PERFORM GRADING AND DRAINAGE OPERATIONS WITHIN THE AREAS SHOWN THAT ARE IN THE CLEAR ON S.R. 9 (CLINTON HIGHWAY).
3) ADD BASE STONE AND PAVE THROUGH THE BINDER LAYER AS SHOWN ON THE PLANS.
4) CONSTRUCT THE CURB AND GUTTER SECTIONS ALONG S.R. 9 AND IT'S INTERSECTIONS WITH W. BEAVER CREEK DRIVE.
5) ONCE CONSTRUCTED, PLACE APPROPRIATE BARRICADES AND SIGNAGE FOR ALL ROAD CLOSURE.

STD. DWG. T-WZ-10

PHASE 1

SEALED BY

GREGORY A. GRAHAM
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107...
STATE OF TENNESSEE

7/6/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

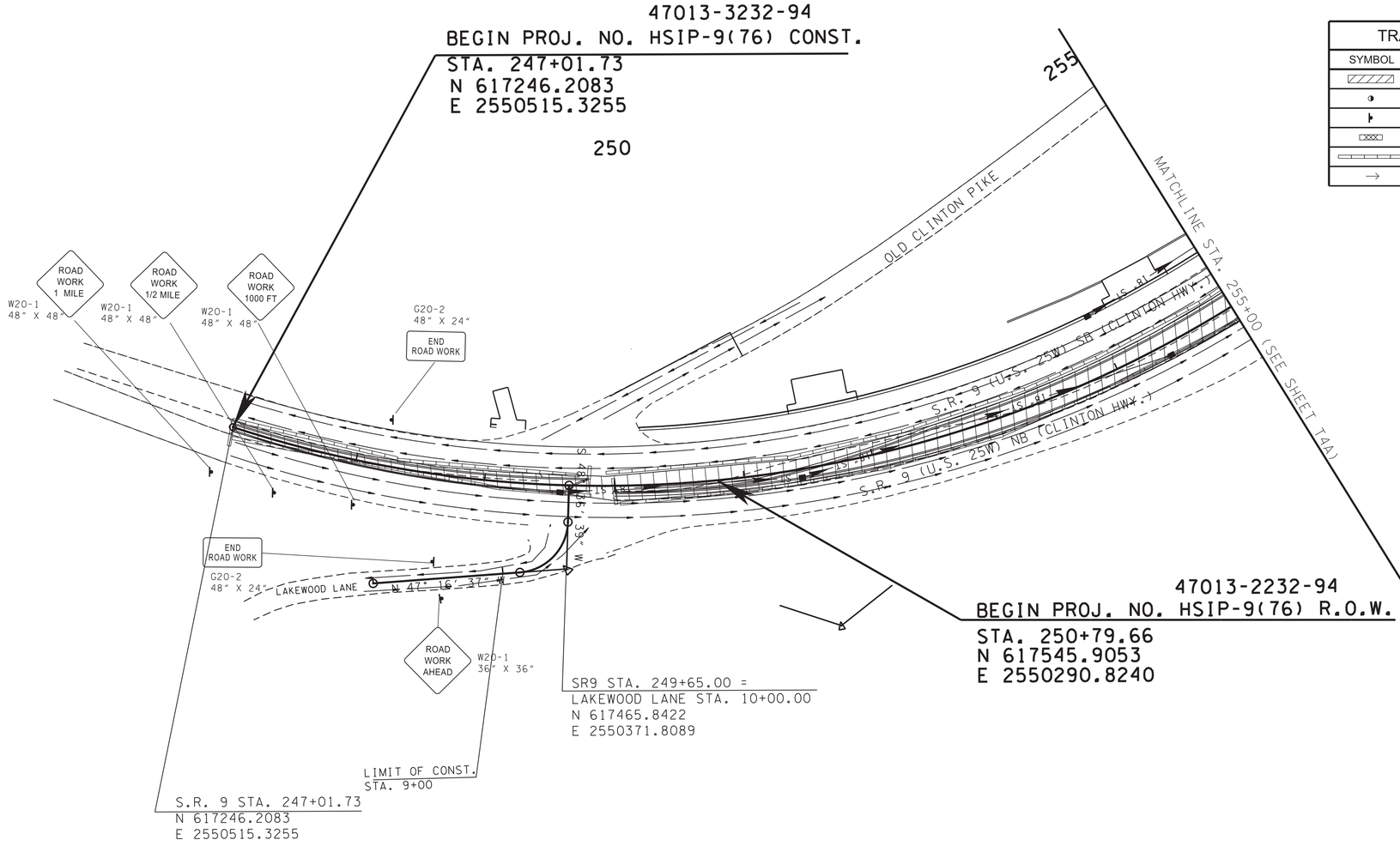
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	T4
PS&E	2026	HSIP-9(76)	T4



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	TEMPORARY BARRICADE (TYPE III)
	PORTABLE BARRIER RAIL
→	TRAFFIC FLOW

PHASE 2
SEQUENCE OF CONSTRUCTION

1) PERFORM GRADING AND DRAINAGE OPERATIONS WITHIN THE AREAS SHOWN AMMONS LANE UP THROUGH THE FINAL LAYER OF PAVEMENT. THIS IS TO BE CONSTRUCTED AT NIGHT WITH FLAGGING USED TO PLACE THE FILL IN 4" ASPHALT LIFTS AS SHOWN IN THE PROFILE ABOVE.
2) PERFORM GRADING AND DRAINAGE OPERATIONS ON THE REMAINDER OF W. BEAVER CREEK DRIVE THROUGH THE BINDER LEVEL. THIS IS TO BE CONSTRUCTED AT NIGHT WITH FLAGGING USED TO PLACE THE ASPHALT LIFTS AND PAVED AND ADD PAVEMENT MARKING AND PEN TO TRAFFIC.
3) INSTALL PROPOSED TRAFFIC SIGNALS AND OPEN TO TRAFFIC.
4) PERFORM GRADING, CURBING AND DRAINAGE OPERATIONS WITHIN THE AREAS SHOWN S.R. 9 (CLINTON HIGHWAY).

SEALED BY

GREGORY A. MCKEEN REGISTERED ENGINEER AGRICULTURE COMMISSIONER NO. 115 STATE OF TENNESSEE

7/6/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

STD. DWG. T-WZ-10

PHASE 2

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	T4A
PS&E	2026	HSIP-9(76)	T4A

255

OLD CLINTON PIKE

18' ASPHALT

W. BEAVER CREEK DRIVE 24' ASPHALT

MATCHLINE STA. 255+00 (SEE SHEET T4)

265

47013-3232-94

END PROJ. NO. HSIP-9(76) CONST.

STA. 267+06.59

N 617930.7460

E 2548732.0781

END ROAD WORK
G20-2
36" X 18"

ROAD WORK 500 FT
W20-1
36" X 36"

ROAD WORK 1000 FT
W20-1
36" X 36"

ROAD WORK 1500 FT
W20-1
36" X 36"

ROAD WORK 1000 FT
W20-1
48" X 48"

ROAD WORK 1/2 MILE
W20-1
48" X 48"

ROAD WORK 1 MILE
W20-1
48" X 48"

PROP. PEDESTRIAN POLE NO. 5
STA. 260+05.00 OFF 87.00' LT.

PROP. SIGNAL POLE NO. 4
STA. 259+87.00 OFF 64.00' LT.

PROP. PEDESTRIAN POLE NO. 1
STA. 260+68.00 OFF 87.00' LT.

PROP. SIGNAL POLE NO. 1
STA. 260+95.00 OFF 63.50' LT.

S 81° 36' 40" W

N 81° 24' 20" W

ASPHALT

S.R. 9 (U.S. 25W) SB
(CLINTON HWY.)

S.R. 9 (U.S. 25W) NB
(CLINTON HWY.)

PROP. PEDESTRIAN POLE NO. 2
STA. 260+94.00 OFF 58.00' RT.

PROP. SIGNAL POLE NO. 2
STA. 261+00.00 OFF 70.00' RT.

PROP. PEDESTRIAN POLE NO. 3
STA. 260+68.00 OFF 91.00' RT.

PROP. SIGNAL POLE NO. 3
STA. 259+80.00 OFF 71.00' RT.

PROP. PEDESTRIAN POLE NO. 4
STA. 260+00.00 OFF 79.00' RT.

END ROAD WORK
G20-2
48" X 24"

47013-2232-94

END PROJ. NO. HSIP-9(76) R.O.W.

STA. 261+00.00

N 617840.0974

E 2549331.8566

S.R.9 (CLINTON HIGHWAY STA. 260+37.56 =
W BEAVER CREEK DRIVE STA. 20+00.00
N 617830.7668
E 2549393.5931

N

W. BEAVER CREEK DRIVE 35' ASPHALT

W BEAVER CREEK STA. 13+67.02 =
AMMONS LANE STA. 30+00.00
N 618352.7767
E 2549688.8931

LIMIT OF CONST.
STA. 31+50

AMMONS LANE STA. 31+50.00
N 618463.2225
E 2549587.3957

AMMONS LANE

LIMIT OF CONST.
STA. 10+25.00

ROAD WORK 500 FT
W20-1
36" X 36"

ROAD WORK 1000 FT
W20-1
36" X 36"

END ROAD WORK
G20-2
36" X 18"

ROAD WORK 500 FT
W20-1
36" X 36"

ROAD WORK 1000 FT
W20-1
36" X 36"

ROAD WORK 1500 FT
W20-1
36" X 36"

ROAD WORK 1500 FT
W20-1
36" X 36"

END ROAD WORK
G20-2
36" X 18"

W BEAVER CREEK STA. 10+25.00
N 618555.2866
E 2549959.8183

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	TEMPORARY BARRICADE (TYPE III)
	PORTABLE BARRIER RAIL
→	TRAFFIC FLOW

STA. 13+67.02 W BEAVER CREEK DRIVE
STA. 30+00.00 AMMONS LANE
EL. 1029.60

VPC 30+25.00
EL. 1029.88

VPI 30+50.00
EL. 1029.95

VPT 30+75.00
EL. 1028.93

VPI 31+50.00
EL. 1025.87

FINISH GRADE

LIMIT OF CONST.
STA. 31+50

1.030

0.300%

-4.080%

ROAD IS TO BE CONSTURCTED
IN 4" ASPHALT LIFT AS SHOWN

1.025

EXISTING GROUND

VC = 50.00'
K = 11
V = 20 MPH

30+00 31+00

AMMONS LANE

PHASE 2
SEQUENCE OF CONSTRUCTION

1) PERFORM GRADING AND DRAINAGE OPERATIONS WITHIN THE AREAS SHOWN AMMONS LANE UP THROUGH THE FINAL LAYER OF PAVEMENT. THIS IS TO BE CONSTRUCTED AT NIGHT WITH FLAGGING USED TO PLACE THE FILL IN 4" ASPHALT LIFTS AS SHOWN IN THE PROFILE ABOVE.
2) PERFORM GRADING AND DRAINAGE OPERATIONS ON THE REMAINDER OF W. BEAVER CREEK DRIVE THROUGH THE BINDER LEVEL. THIS IS TO BE CONSTRUCTED AT NIGHT WITH FLAGGING USED TO PLACE THE ASPHALT LIFTS AND PAVED AND ADD PAVEMENT MARKING AND PEN TO TRAFFIC.
3) INSTALL PROPOSED TRAFFIC SIGNALS AND OPEN TO TRAFFIC.
4) PERFORM GRADING, CURBING AND DRAINAGE OPERATIONS WITHIN THE AREAS SHOWN S.R. 9 (CLINTON HIGHWAY).

STD. DWG. T-WZ-10

PHASE 2

SEALED BY

GREGORY A. GRAHAM
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE

7/6/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

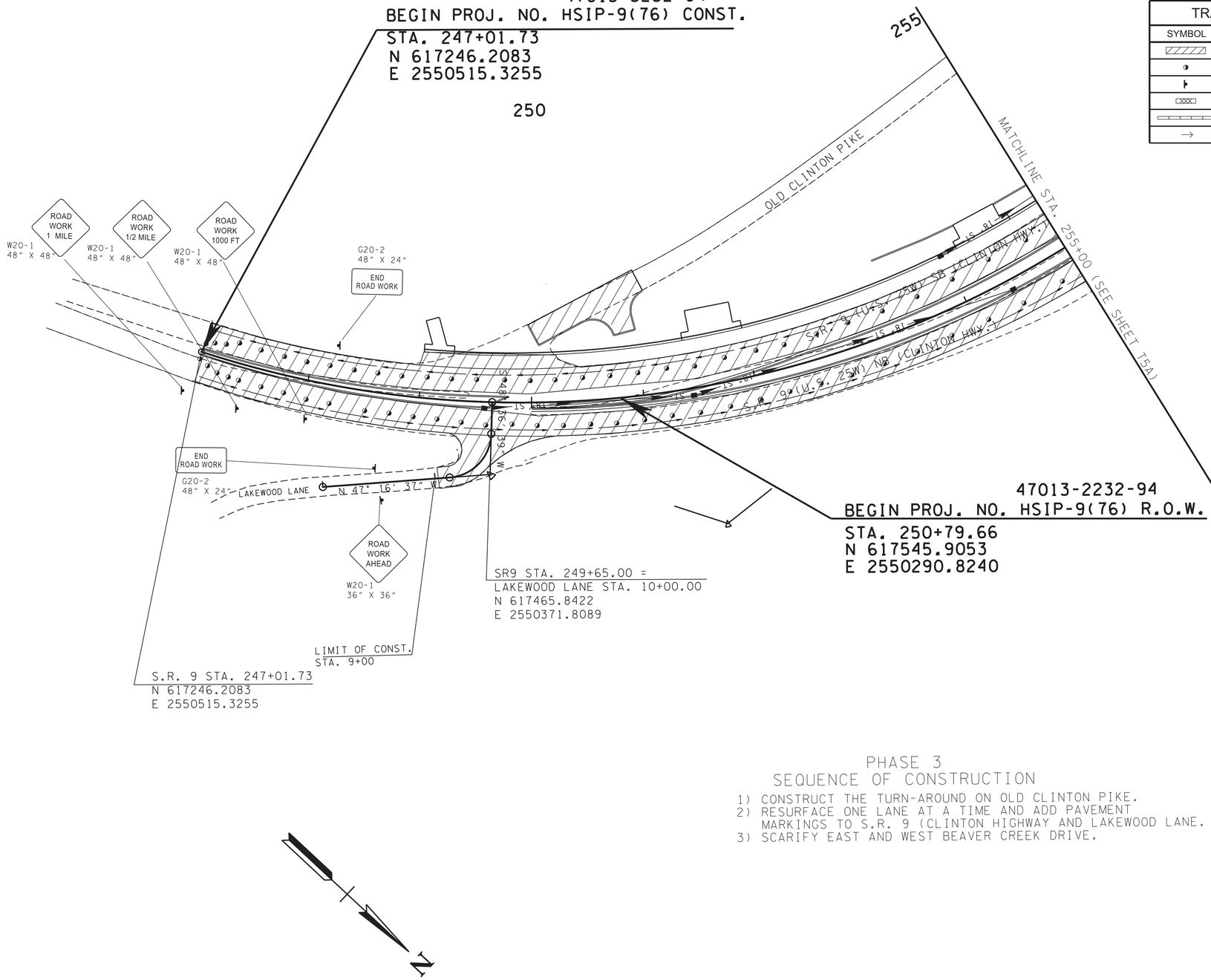
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	T5
PS&E	2026	HSIP-9(76)	T5



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	TEMPORARY BARRICADE (TYPE III)
	PORTABLE BARRIER RAIL
→	TRAFFIC FLOW

PHASE 3
SEQUENCE OF CONSTRUCTION

1) CONSTRUCT THE TURN-AROUND ON OLD CLINTON PIKE.
2) RESURFACE ONE LANE AT A TIME AND ADD PAVEMENT MARKINGS TO S.R. 9 (CLINTON HIGHWAY AND LAKEWOOD LANE.
3) SCARIFY EAST AND WEST BEAVER CREEK DRIVE.

SEALED BY

GREGORY A. GRAHAM
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 109001
STATE OF TENNESSEE

7/6/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

STD. DWG. T-WZ-10

PHASE 3

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	T5A
PS&E	2026	HSIP-9(76)	T5A

255

OLD CLINTON PIKE

18' ASPHALT

MATCHLINE STA. 255+00 (SEE SHEET T5)

265

47013-3232-94

END PROJ. NO. HSIP-9(76) CONST.
STA. 267+06.59
N 617930.7460
E 2548732.0781

END ROAD WORK
G20-2
36" X 18"

ROAD WORK 500 FT
W20-1
36" X 36"

ROAD WORK 1000 FT
W20-1
36" X 36"

ROAD WORK 1500 FT
W20-1
36" X 36"

ROAD WORK 1000 FT
W20-1
48" X 48"

ROAD WORK 1/2 MILE
W20-1
48" X 48"

ROAD WORK 1 MILE
W20-1
48" X 48"

PROP. PEDESTRIAN POLE NO. 5
STA. 260+05.00 OFF 87.00' LT.

PROP. SIGNAL POLE NO. 4
STA. 259+87.00 OFF 64.00' LT.

PROP. PEDESTRIAN POLE NO. 1
STA. 260+68.00 OFF 87.00' LT.

PROP. SIGNAL POLE NO. 1
STA. 260+95.00 OFF 63.50' LT.

S.R. 9 (U.S. 25W) SB
(CLINTON HWY.)

S.R. 9 (U.S. 25W) NB
(CLINTON HWY.)

N 81° 24' 20" W

PROP. PEDESTRIAN POLE NO. 2
STA. 260+94.00 OFF 58.00' RT.

PROP. SIGNAL POLE NO. 2
STA. 261+00.00 OFF 70.00' RT.

PROP. PEDESTRIAN POLE NO. 3
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PROP. SIGNAL POLE NO. 3
STA. 259+80.00 OFF 71.00' RT.

PROP. PEDESTRIAN POLE NO. 4
STA. 260+00.00 OFF 79.00' RT.

END ROAD WORK
G20-2
48" X 24"

47013-2232-94

END PROJ. NO. HSIP-9(76) R.O.W.
STA. 261+00.00
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S.R.9 (CLINTON HIGHWAY STA. 260+37.56 =
W BEAVER CREEK DRIVE STA. 20+00.00
N 617830.7668
E 2549393.5931

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W BEAVER CREEK STA. 13+67.02 =
AMMONS LANE STA. 30+00.00
N 618352.7767
E 2549688.8931

LIMIT OF CONST.
STA. 31+50

AMMONS LANE STA. 31+50.00
N 618463.2225
E 2549587.3957

AMMONS LANE

LIMIT OF CONST.
STA. 10+25.00

W BEAVER CREEK DRIVE

ROAD WORK 500 FT
W20-1
36" X 36"

ROAD WORK 1000 FT
W20-1
36" X 36"

END ROAD WORK
G20-2
36" X 18"

ROAD WORK 500 FT
W20-1
36" X 36"

ROAD WORK 1000 FT
W20-1
36" X 36"

ROAD WORK 1500 FT
W20-1
36" X 36"

ROAD WORK 1500 FT
W20-1
36" X 36"

END ROAD WORK
G20-2
36" X 18"

W BEAVER CREEK STA. 10+25.00
N 618555.2866
E 2549959.8183

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	TEMPORARY BARRICADE (TYPE III)
	PORTABLE BARRIER RAIL
→	TRAFFIC FLOW

PHASE 3
SEQUENCE OF CONSTRUCTION

1) CONSTRUCT THE TURN-AROUND ON OLD CLINTON PIKE.
2) RESURFACE ONE LANE AT A TIME AND ADD PAVEMENT MARKINGS TO S.R. 9 (CLINTON HIGHWAY AND LAKEWOOD LANE.
3) SCARIFY EAST AND WEST BEAVER CREEK DRIVE.

SEALED BY

GREGORY A. GREEN REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 109001 STATE OF TENNESSEE

7/6/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

SCALE: 1"= 50'

STD. DWG. T-WZ-10

PHASE 3

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THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

JACOB D BRASHEAR

Digitally signed by JACOB D BRASHEAR
Date: 2026.07.10 13:52:02 -04'00'

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

TENNESSEE DEPARTMENT OF TRANSPORTATION
7345 REGION LANE
KNOXVILLE, TN 37914
JACOB BRASHEAR, P.E. NO. 122645

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	SIGNAL-SIGN 1
SIGNAL INDEX AND SPECIAL NOTES	SIG-1
ESTIMATED SIGNAL QUANTITIES	SIG-1A
SIGNAL LAYOUT	SIG-2
SIGNAL DETAILS	SIG-2A
SIGNAL PHASING AND TIMING	SIG-2B

YEAR	PROJECT NO.	SHEET NO.
2026	HSIP-9(76)	SIGNAL-SIGN 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEETS

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SIGNAL INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	SIGNAL-SIGN 1
SIGNAL INDEX AND SPECIAL NOTES	SIG-1
ESTIMATED SIGNAL QUANTITIES	SIG-1A
SIGNAL LAYOUT	SIG-2
SIGNAL DETAILS	SIG-2A
SIGNAL PHASING AND TIMING	SIG-2B

SPECIAL NOTES

SIGNAL HEADS

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

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

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

(4) COMPATABILITY WITH CONFLICT MONITORS AND LOAD SWITCHES SHALL BE TESTED AND CONFIRMED.

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

(6) ALL SIGNAL HEADS WITH LED LENSES SHALL INCLUDE SWIVEL BALANCE ADJUSTERS TO MAINTAIN THE PROPER VISIBILITY. COSTS OF ADJUSTERS TO BE INCLUDED IN COSTS OF SIGNAL HEADS.

(7) SIGNAL HEADS SHALL INCLUDE LOUVERED BACKPLATES WITH A 1” MINIMUM, 3” MAXIMUM YELLOW RETRO REFLECTIVE BORDER AROUND THE PERIMETER OF THE FACE OF THE BACKPLATE. THE RETRO REFLECTIVE BORDER IS TO BE MADE OF A TYPE III PRISMATIC OR BETTER MATERIAL.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-9(76)	SIG-1

SEALED BY

JACOB BRASHEAR
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 129145
STATE OF TENNESSEE

7/10/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNAL INDEX
AND
SPECIAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-9(76)	SIG-1A

ESTIMATED SIGNAL QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 47013-3232-94
1	713-14.21	STREET NAME SIGN (RIGID 0.100IN THICK	S.F.	72
2	713-15.07	SUSPENDED FLAT SHEET ALUMINUM SIGN (0.080" THICK)	EACH	4
	730-02.03	SIGNAL HEAD ASSEMBLY (130A3 WITH BACKPLATE)	EACH	4
	730-02.08	SIGNAL HEAD ASSEMBLY (130 POLE MOUNTED)	EACH	1
	730-02.09	SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE)	EACH	7
	730-02.17	SIGNAL HEAD ASSEMBLY (150 A2H WITH BACKPLATE)	EACH	1
	730-03.21	INSTALL PULL BOX (TYPE B)	EACH	5
3	730-05.01	ELECTRICAL SERVICE CONNECTION	EACH	1
	730-08.02	SIGNAL CABLE - 5 CONDUCTOR	L.F.	2495
	730-08.03	SIGNAL CABLE - 7 CONDUCTOR	L.F.	828
	730-12.02	CONDUIT 2" DIAMETER (PVC)	L.F.	191
	730-12.03	CONDUIT 3" DIAMETER (PVC)	L.F.	113
	730-12.24	CONDUIT 3" DIAMETER (DIRECTIONAL BORE)	L.F.	113
	730-12.26	CONDUIT 2" DIAMETER (PVC SCHEDULE 80)	L.F.	162
4	730-13.02	VEHICLE DETECTOR (VIDEO)	EACH	3
4	730-13.14	VEHICLE DETECTOR (360-DEGREE CAMERA)	EACH	1
5	730-15.07	CABINET (ATC)	EACH	1
6	730-16.04	CONTROLLER (ATC)	EACH	1
7	730-23.28	PEDESTAL POLE (TYPE A)	EACH	5
7	730-25.14	CANTILEVER SIGNAL SUPPORT (1 ARM @ 70')	EACH	1
7	730-25.15	CANTILEVER SIGNAL SUPPORT (1 ARM @ 75')	EACH	1
7	730-25.16	CANTILEVER SIGNAL SUPPORT (1 ARM @ 80')	EACH	1
7	730-25.17	CANTILEVER SIGNAL SUPPORT (1 ARM @ 85')	EACH	1
	730-26.11	COUNTDOWN PED SGNL HEAD W/AUDIBLE PUSH BUTTON & 15IN SIGN	EACH	6
8	730-35.06	BATTERY BACK-UP SYSTEM	EACH	1

FOOT NOTES

(1) KNOX COUNTY IS TO FURNISH TWO (2) 24" X 120" AND TWO (2) 24" X 96" STREET NAME SIGNS FOR ALL SIGNALIZED INTERSECTIONS ON THIS PROJECT. COST OF INSTALLATION AND HARDWARE TO BE INCLUDED IN PRICE BID FOR ITEM 713-14.21 FOR PAYMENT BY THE CONTRACTOR. CONTACT MR. TRISTAN MARCHWICZ @ (865) 215-5800 FOR ADDITIONAL INFORMATION.

(2) INCLUDES FOUR (4) R10-5 SIGNS.

(3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE LOCAL UTILITY TO OBTAIN THE ESTIMATE FOR ANY CHARGES BY THE UTILITY FOR PROVIDING ELECTRICAL SERVICE TO THE SIGNAL CONTROLLERS. THESE CHARGES SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 730-05.01 FOR PAYMENT BY THE CONTRACTOR.

(4) EQUIPMENT TO BE MIOVISION 360 DETECTION CAMERAS (STOP BAR DETECTION) WITH SMARTLINK HARDWARE AND ADVANCED DETECTION CAMERAS. INCLUDES ALL SENSOR UNITS, HARDWARE, SOFTWARE, MOUNTING ASSEMBLIES, 673 LF OF POWER CABLE, AND RELATED EQUIPMENT TO PROVIDE ALL DETECTION ZONES AS SHOWN ON PLANS. CONTRACTOR TO ENSURE COMPATABILITY WITH SIGNAL CONTROLLERS. SEE SPECIAL PROVISION 730 FOR ADDITIONAL INFORMATION.

(5) SEE TDOT STANDARD SPECIFICATION 730 FOR ADDITIONAL INFORMATION.

(6) THE CONTROLLERS SHALL BE MCCAIN INCLUDING THE ATC EX2 NEMA SERIES. SEE SPECIAL PROVISION 730 FOR ADDITIONAL INFORMATION.

(7) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL SIGNAL POLES, MAST ARMS, AND FOOTING FOUNDATIONS. THIS BID ITEM INCLUDES THE COST OF THE FOUNDATION DESIGN AND IF NECESSARY, THE SOIL EXPLORATION REQUIRED FOR THE DESIGN OF THE SIGNAL POLE FOUNDATION.

(8) TO BE INSTALLED IN CONTROLLER CABINET WITH ALL NECESSARY EQUIPMENT TO PROVIDE EMERGENCY POWER IN THE EVENT OF POWER OUTAGE. BATTERY BACK-UP SYSTEM SHALL BE AN UNINTERRUPTABLE POWER SYSTEM CABLE OF POWERING EACH INTERSECTION ON FULL OPERATION FOR A MINIMUM OF TWO (2) HOURS.

SEALED BY

JACOB BRASHEAR
REGISTERED ENGINEER
AGRICULTURE
COMMERCE &
No. 129615
STATE OF TENNESSEE

7/10/2026

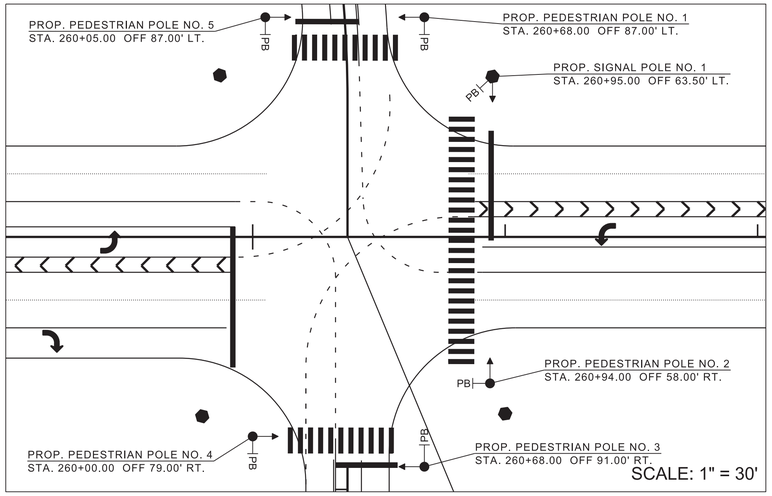
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
SIGNAL
QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	SIG-1
PS&E	2026	HSIP-9(76)	SIG-2

INSET: PEDESTRIAN PUSH BUTTON AND SIGNAL LOCATIONS



260

OLD CLINTON HWY.

OLD CLINTON HWY.

WEST BEAVER CREEK DR.

N

2" C (PVC SCH 80)
PROP. PEDESTRIAN POLE NO. 5
STA. 260+05.00 OFF 87.00' LT.
2" C (PVC)
PROP. SIGNAL POLE NO. 4
STA. 259+87.00 OFF 64.00' LT.
TYPE B

TYPE B
2" C (PVC)
PROP. PEDESTRIAN POLE NO. 1
STA. 260+68.00 OFF 87.00' LT.
PROP. SIGNAL POLE NO. 1
STA. 260+95.00 OFF 63.50' LT.
3" C (PVC)
3" C (PVC)

ADVANCE VIDEO DETECTION ZONE
405' FROM STOP BAR

S3 3 8 8 SNS2 V1

6 SNS1 6 1 S3 VA6 S3 5

S.R. 9 (CLINTON HWY.)

S.R. 9 (CLINTON HWY.) N 81° 24' 20" W

VA2

2 SNS1

2R 2 X 3" C (DIRECTIONAL BORE)

TYPE B

PROP. PEDESTRIAN POLE NO. 2
STA. 260+94.00 OFF 58.00' RT.

SNS2 4 14 7 S3

2" C (PVC)

VA8

TYPE B

PROP. SIGNAL POLE NO. 2
STA. 261+00.00 OFF 70.00' RT.

8

PROP. SIGNAL POLE NO. 3
STA. 259+80.00 OFF 71.00' RT.
PROP. PEDESTRIAN POLE NO. 4
STA. 260+00.00 OFF 79.00' RT.
TYPE B
2" C (PVC)
2" C (PVC SCH 80)

3" C (PVC)
2" C (PVC)
PROP. PEDESTRIAN POLE NO. 3
STA. 260+68.00 OFF 91.00' RT.

WEST BEAVER CREEK DR.

ADVANCE VIDEO DETECTION ZONE
405' FROM STOP BAR

ADVANCE VIDEO DETECTION ZONE
325' FROM STOP BAR

S.R.9 (CLINTON HIGHWAY STA. 260+37.56 =
W BEAVER CREEK DRIVE STA. 20+00.00
N 617830.7668
E 2549393.5931

ADVANCE DETECTION — STOP BAR DETECTION

VA2, VA6, VA8 — V1

VIDEO DETECTION DEVICES
V = VIDEO STOP LINE
VA = VIDEO ADVANCE

VIDEO STOP LINE DETECTION ZONE — VIDEO ADVANCE DETECTION ZONE

4'-0"

LEFT ON GREEN ARROW ONLY
R10-5

S3 — 1,3,5,7 — 2,4,6,8 — 2R

ALL SIGNAL HEADS TO HAVE BACKPLATES INSTALLED.
S1 AND S2 ARE FOR STREET NAME SIGNS

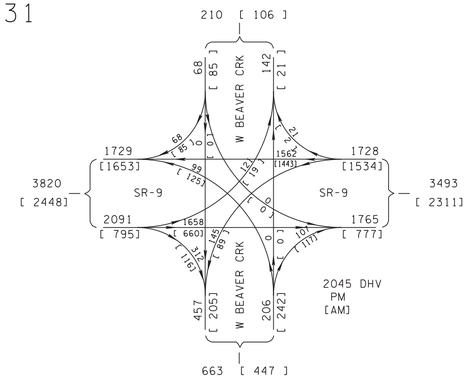
w.Beaver Creek Dr. — SNS1
Clinton Hwy. — SNS2

PROPOSED STREET NAME SIGNS
SEE SIGN SCHEDULE SHEET FOR DETAILS

START CROSSING Watch For Vehicles
DON'T START Finish Crossing If Started
TIME REMAINING To Finish Crossing
DON'T CROSS
PUSH BUTTON TO CROSS

R10-3E — R10-3E

PEDESTRIAN SIGNAL HEAD AND SIGNS.
SEE T-SG-6 FOR DETAILS



SEALED BY

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REGISTERED ENGINEER
No. 122615
STATE OF TENNESSEE
7/10/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

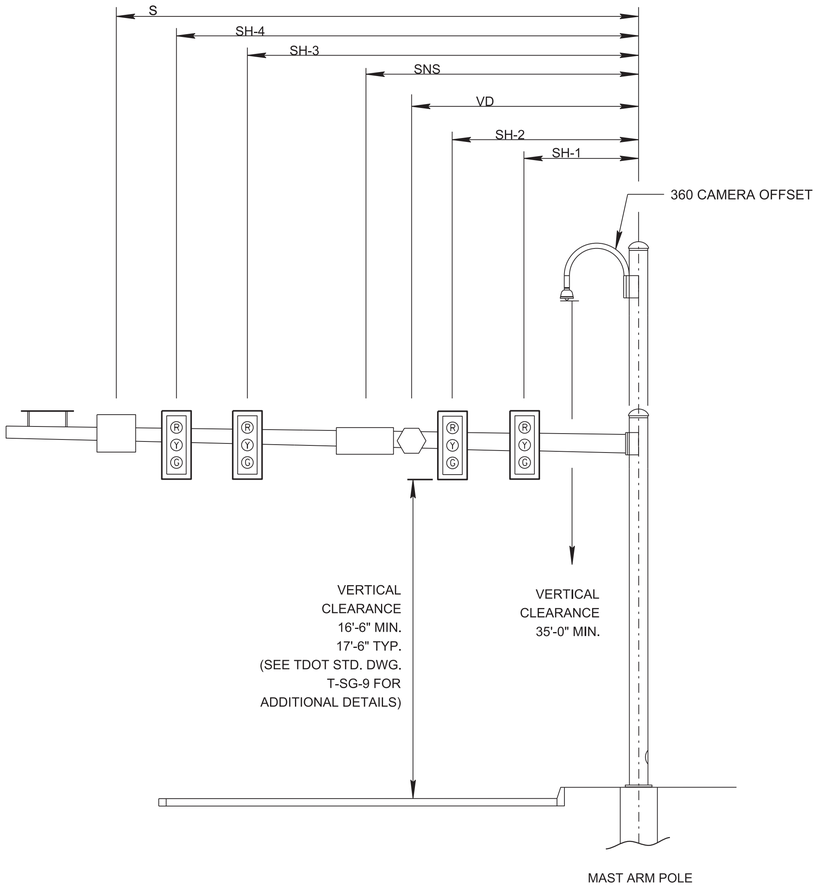
SIGNAL LAYOUT

INTERSECTION @ SR-9 &
WEST BEAVER CREEK DR.

SCALE: 1"=30'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	SIG-2
PS&E	2026	HSIP-9(76)	SIG-2A



PRE: PRE-EMPTION DEVICE
S: SIGN
SNS: STREET NAME SIGN
SH-X: SIGNAL HEAD
VD: VEHICLE DETECTOR

LEGEND

- SIGNAL HEAD
- STREET NAME SIGN
- SIGN
- VEHICLE DETECTOR (VIDEO)
- PRE-EMPTION
- VIBRATION DAMPER PLATE

SIGNAL SUPPORT POLE DATA AND MAST ARM DETAILS

POLE NO.	STATION	OFFSET	NORTHING	EASTING	ARM	ARM LENGTH	SH-1	SH-2	VD	SNS	SH-3	SH-4	S	VD	GROUND EL. @ POLE
SP1	260+95.00	63.50' LT	617776.5618	2549327.3210		70'	40.9'	49.2'	0.0'	33.2'	57.4'		61.4'		1018.98'
SP2	261+00.00	70.00' RT	617909.3234	2549342.3192		85'	0.0'	34.0'	11.4'	42.3'	50.5'	68.0'	72.0'	76.0'	1019.17'
SP3	259+80.00	71.00' RT	617892.3674	2549461.1193		75'	41.1'	51.2'		38.6'	61.4'		65.4'		1022.82'
SP4	259+87.00	64.00' LT	617759.9155	2549434.0340		80'	33.1'	44.1'	73.0'	40.6'	61.6'		65.6'		1022.48'
PP1	260+68.00	87.00' LT	617749.2923	2549350.4961			0.0'								1019.70'
PP2	260+94.00	58.00' RT	617896.5495	2549346.4567			0.0'								1018.56'
PP3	260+68.00	91.00' RT	617925.2935	2549377.0963			0.0'								1020.92'
PP4	260+00.00	79.00' RT	617903.2674	2549442.5325			0.0'								1021.96'
PP5	260+05.00	87.00' LT	617739.8776	2549412.7886			0.0'								1020.87'

INTERSECTION @ SR-9 & W BEAVER CREEK DR

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DEPARTMENT OF TRANSPORTATION

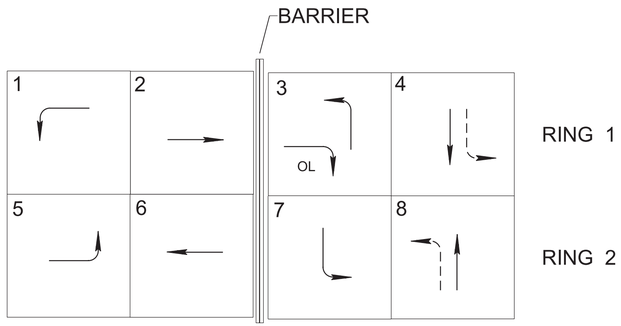
SIGNAL DETAILS

INTERSECTION @ SR-9 & WEST BEAVER CREEK DR.

NOT TO SCALE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-9(76)	SIG-2B



NEMA EIGHT PHASE DESIGNATIONS

ACTIVE PHASE

INACTIVE PHASE (NOT USED)

PROTECTED PHASE

PERMISSIVE PHASE

OL OVERLAP

- OPERATION IS DUAL ENTRY MODE, FULL SKIP CAPABILITY

- LEAD/LAG DIRECTION, PHASE 3 SHALL BE A LEADING LEFT TURN AND PHASE 7 SHALL BE A LAGGING LEFT TURN.

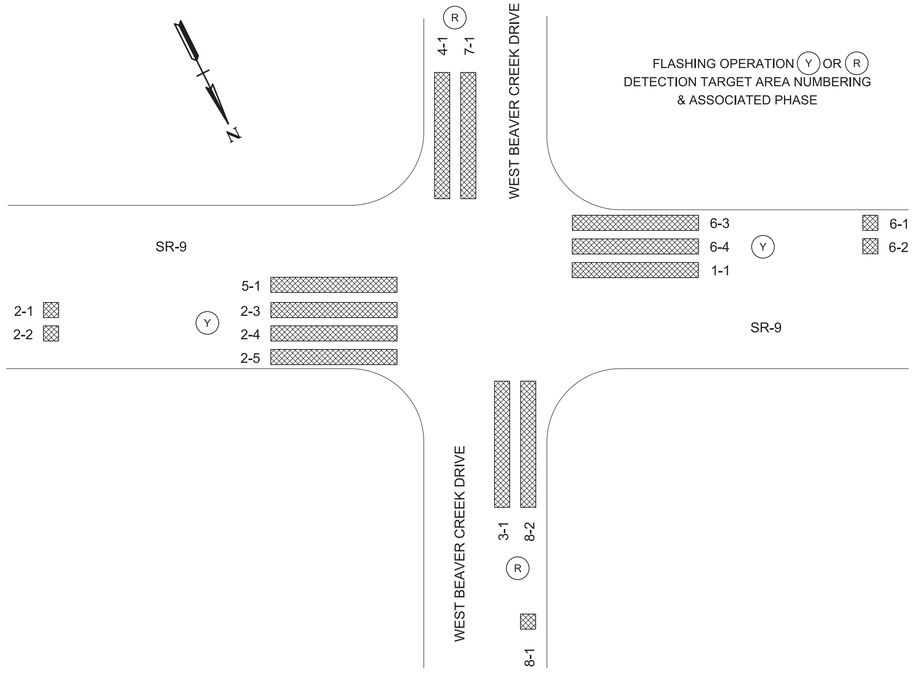
- ALL SIGNAL DISPLAYS AND CLEARANCES SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES

SIGNAL TIMING IS TO BE PROVIDED BY KNOX COUNTY TRAFFIC ENGINEERING. THE CONTRACTOR SHALL CONTACT MR. TRISTAN MARCHWICZ AT (865) 215-5800 A MINIMUM OF 30 DAYS PRIOR TO ACTIVATION OF THE SIGNAL TO OBTAIN THE INITIAL TIMING.

VIDEO DETECTION TARGET ASSIGNMENTS

TARGET AREA #	VEHICLE DETECTION #	TARGET AREA (FT)	ASSOC. Ø	COMMENTS
1-1	V1	6 x 50	1	
2-1	VA2	6 x 6	2	
2-2	VA2	6 x 6	2	
2-3	V1	6 x 50	2	
2-4	V1	6 x 50	2	
2-5	V1	6 x 50	2	
3-1	V1	6 x 50	3	
4-1	V1	6 x 50	4	
5-1	V1	6 x 50	5	
6-1	VA6	6 x 6	6	
6-2	VA6	6 x 6	6	
6-3	V1	6 x 50	6	
6-4	V1	6 x 50	6	
7-1	V1	6 x 50	7	
8-1	VA8	6 x 6	8	
8-2	V1	6 x 50	8	

RADAR DETECTION ZONE DIAGRAM



SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNAL PHASING AND TIMING

INTERSECTION @ SR-9 & WEST BEAVER CREEK DR.

NOT TO SCALE

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-9(76)	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
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): 12.41 ACRES

2.3. TOTAL AREA TO BE DISTURBED (5.5.1.b): 4.828 ACRES

2.4. PROJECT DESCRIPTION (5.5.1.a):

TITLE: SR-9 (US-25W) Intersection at West Beaver Creek Drive (RSAR)
COUNTY: Knox
PIN: 110982.00

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) 11, 11A.

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: _____

2.10. WAS ROW FINALIZED PRIOR TO FEBRUARY 1, 2010 (4.1.2.2)?

☐ YES _____ (DATE) ☒ NO

IF ROW WAS FINALIZED PRIOR TO FEBRUARY 1, 2010, THIS PROJECT IS CONSIDERED A PRE-APPROVED SITE (4.1.2.2)

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)
Corryton Loam Complex	C	0.10	0.37
Corryton-Townley Complex (CtB)	C	8.9	0.37
Corryton-Townley Complex (CtC)	C	11.0	0.37
Heiskell Silt Loam	C	20.4	0.43
Urban Land		40.2	
Urban Land-Udorthents Complex		17.8	
Nonaburg Channery Silt Loam	D	1.5	0.28

2.12. IS ACID PRODUCING ROCK (APR) (i.e. PYRITE) LOCATED WITHIN THE PROJECT LIMITS? ☐ YES ☒ NO

2.12.1. IF YES TO SECTION 2.13, 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
IMPERVIOUS	10.70	86.2	92	
PERVIOUS	1.71	13.8	94	
WEIGHTED CURVE NUMBER OR C-FACTOR =			92.2	

RUNOFF COEFFICIENTS FOR POST-CONSTRUCTION CONDITIONS

AREA TYPE	AREA(AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
IMPERVIOUS	11	88.6	92	
PERVIOUS	1.41	11.4	94	
WEIGHTED CURVE NUMBER OR C-FACTOR =			92.2	

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 _____)

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)
	Beaver Creek	Yes	No	No	Yes

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.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-9(76)	S-2

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) _____.

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:_____

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-10 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) _____.

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 2-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.

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.

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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 SHEET 10 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 SHEET 10 (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.

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

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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): _____

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)

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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: _____

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.

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

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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.

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.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-9(76)	S-7

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.

AUTHORIZED TDOT PERSONNEL SIGNATURE (5.3.3.)

PRINTED NAME

TITLE

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	No	NA	NA
CORPS OF ENGINEERS (USACE)	No	NA	NA
TVA 26A	No	NA	NA
TDEC CGP	Yes	TBD	TBD
OTHER:	NA	NA	NA

*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.
PS&E	2026	HSIP-9(76)	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		13+55 RT	3.60	0.37	0.37	0.37	NA	NA	Beaver Creek	
OUT-2		14+00 RT	2.30	0.89	0.89	0.89	NA	NA	Beaver Creek	
OUT-3		267 + 50 RT	5.00	5.09	5.09	5.09	YES	YES	Beaver Creek	
OUT-4		21+90 RT	3.40	1.02	1.02	1.02	NA	NA	Beaver Creek	
OUT-5		22+60 RT	4.00	0.41	0.41	0.41	NA	NA	Beaver Creek	
OUT-6		261+30 RT	4.50	12.81	12.81	12.81	YES	YES	Beaver Creek	
OUT-7		267 + 06 CL	2.60	0.66	0.66	0.66	NA	NA	Beaver Creek	
OUT-8		265 + 90 RT	2.80	1.75	1.75	1.75	NA	NA	Beaver Creek	

TENN.	YEAR	SHEET NO.
	2026	U1-1
FED. AID PROJ. NO.	HSIP-9(76)	
STATE PROJ. NO.	47013-3232-94	

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

KNOX COUNTY

S.R. 9: INTERSECTION AT
WEST BEAVER CREEK DRIVE (RSAR)

STATE HIGHWAY NO. 9 F.A.H.S. NO. 25W

UTILITIES INDEX

SHEET NAME	SHEET NUMBER
UTILITIES INDEX, UTILITY OWNERS	U1 SERIES

UTILITIES NOT IN ROADWAY CONTRACT

COMM: AT&T 9733 PARKSIDE DRIVE KNOXVILLE, TN 37922 JAY FRAZIER 865-387-2685 (NO COST)	COMM: COMCAST 1725 WEARS VALLEY ROAD SEVIERVILLE, TN 37862 ROGELIO GOMEZ 865-985-4481 (NO COST)
COMM: FRONTIER COMMUNICATIONS 725 E MARKHAM AVE DURHAM, NC 27701 CHAD FOSTER (919) 886-8028 (NO COST)	SEWER: HALLSDALE POWELL UTILITY DISTRICT 3745 CUNNINGHAM ROAD KNOXVILLE, TN 37928 DEREK FREAR (865) 922-7547 (NO COST)
WATER: HALLSDALE POWELL UTILITY DISTRICT 3745 CUNNINGHAM ROAD KNOXVILLE, TN 37928 DEREK FREAR (865) 922-7547 (NO COST)	ELEC: KNOXVILLE UTILITIES BOARD 4505 MIDDLESBROOK PIKE KNOXVILLE, TN 37921 SARA AUER 865-789-9400 (NO COST)
GAS: KNOXVILLE UTILITIES BOARD 4505 MIDDLESBROOK PIKE KNOXVILLE, TN 37921 TIM KELLY 865-320-2681 (NO COST)	COMM: MCI/VERIZON/BROOKS 603 WAREHOUSE PARK LN KNOXVILLE, TN 37932 STANLEY MAJKA (615) 428-4943 (NO COST)
ELEC: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET, MR-4G CHATTANOOGA, TN 37402 STEPHEN WILLIAMS (662) 255-6272 (NO COST)	

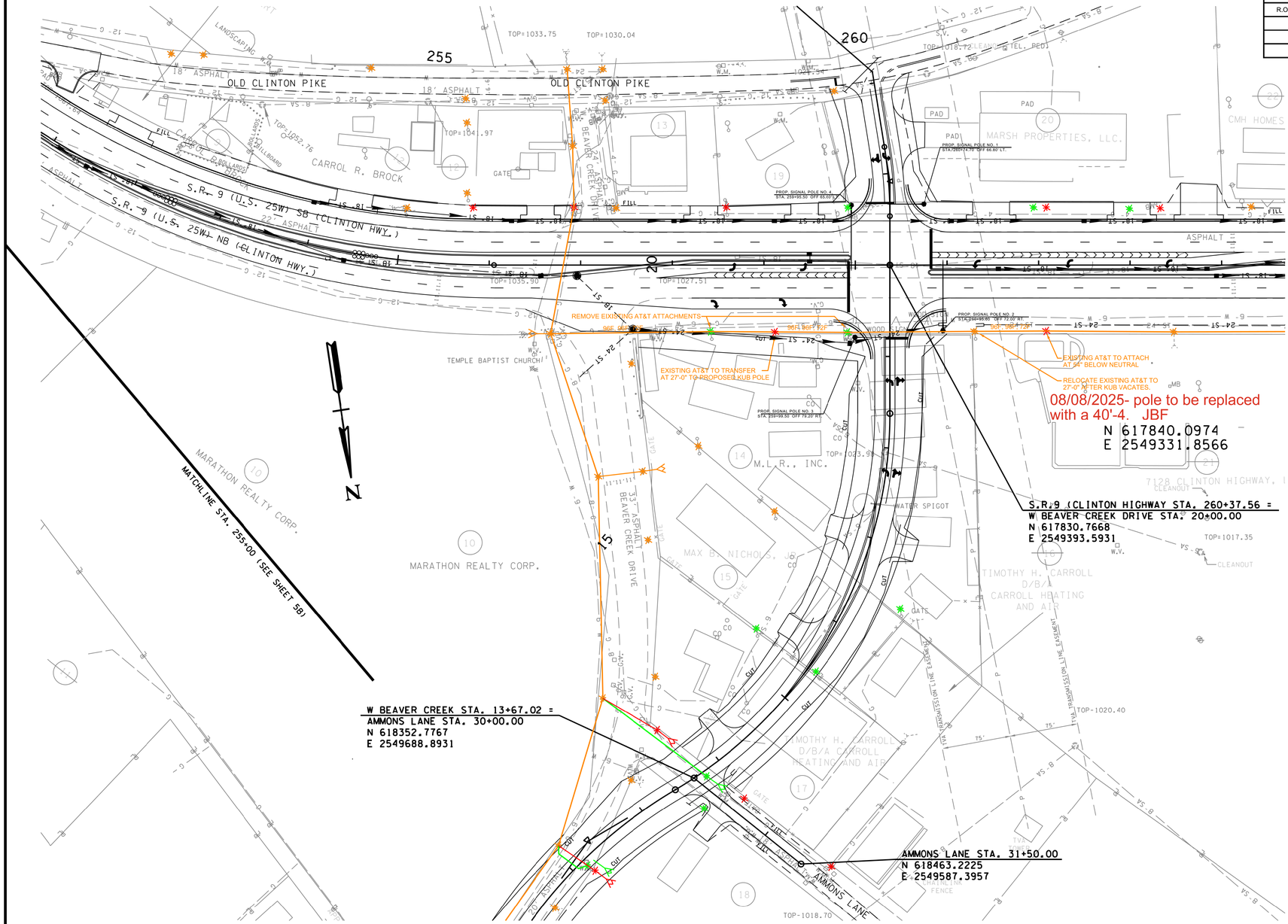
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY INDEX,
UTILITY OWNERS

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TENN.	YEAR	SHEET NO.
	2026	U1-2
FED. AID PROJ. NO.	HSIP-9(76)	
STATE PROJ. NO.	47013-3232-94	

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2019	HSIP-9(76)	4B



R.O.W.

PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 247+01 TO STA. 255+00

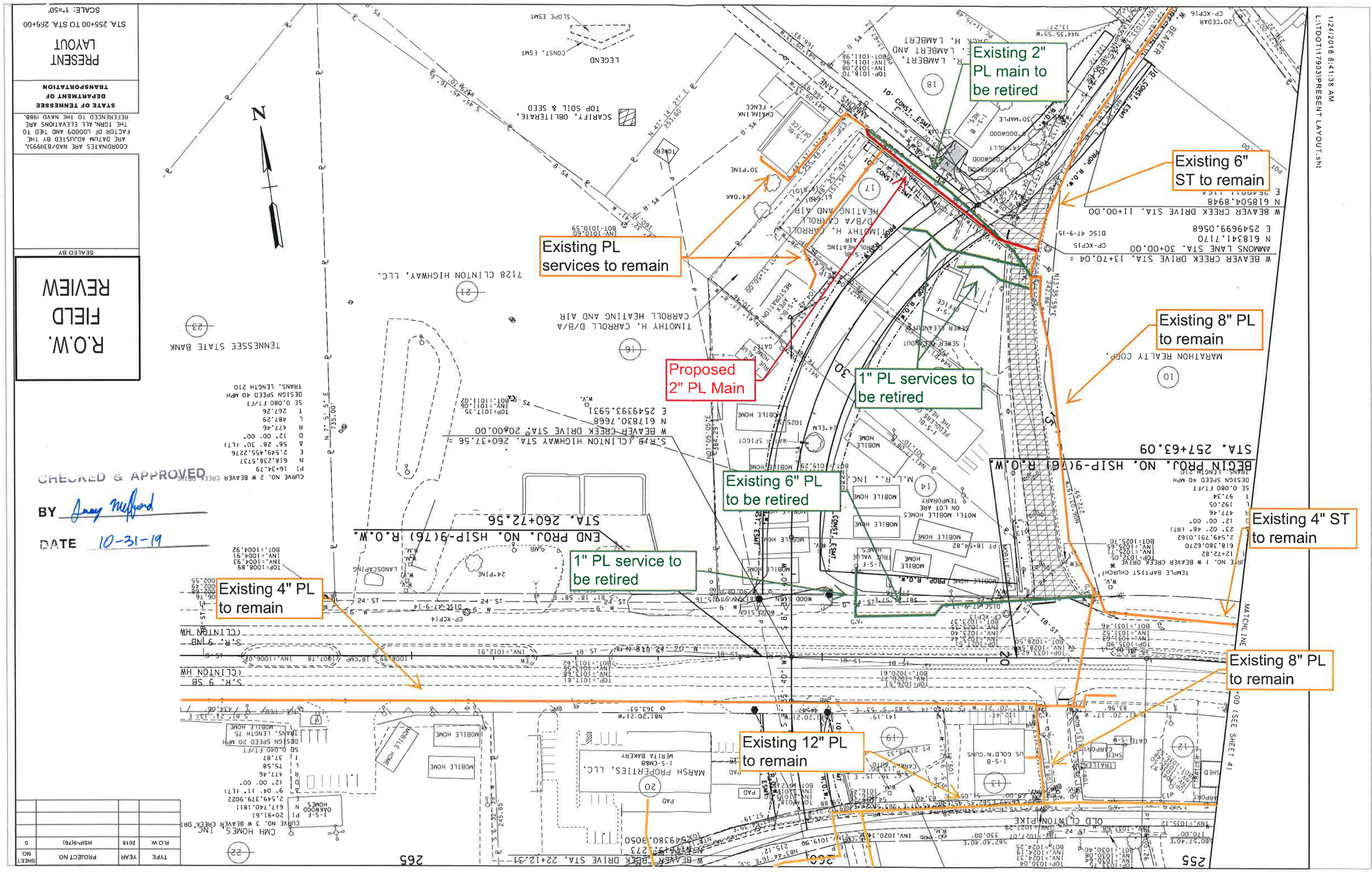
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

AT&T
MOVE PRIOR
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TENN.	YEAR	SHEET NO.
	2026	U1-3
FED. AID PROJ. NO.	HSIP-9(76)	
STATE PROJ. NO.	47013-3232-94	



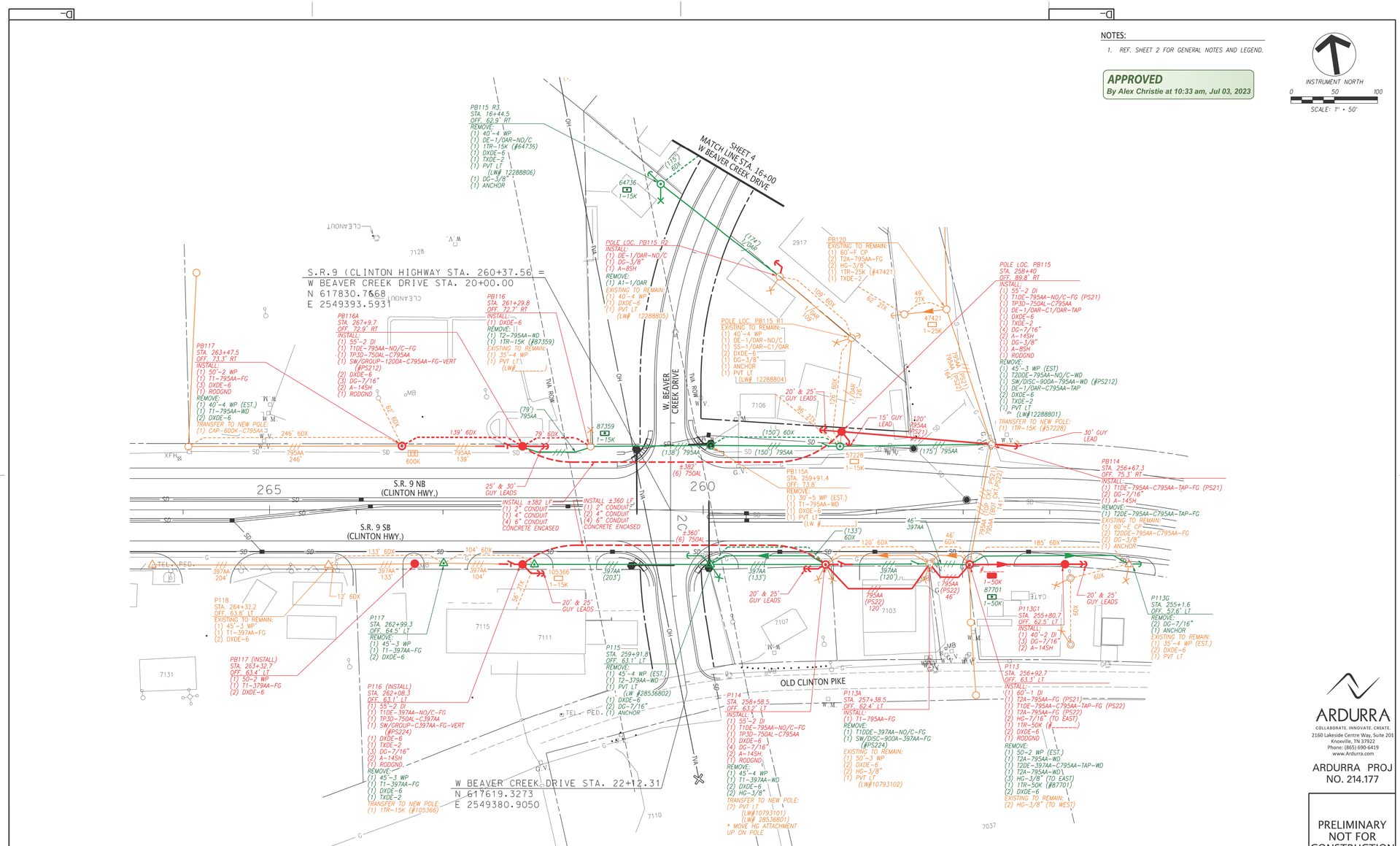
TENN.	YEAR	SHEET NO.
	2026	U1-4
FED. AID PROJ. NO.	HSIP-9(76)	
STATE PROJ. NO.	47013-3232-94	

NOTES:

1. REF. SHEET 2 FOR GENERAL NOTES AND LEGEND.

APPROVED
By Alex Christie at 10:33 am, Jul 03, 2023

INSTRUMENT NORTH
0 50 100
SCALE: 1" = 50'


S.R.9 (CLINTON HIGHWAY STA. 260+37.56 =
W BEAVER CREEK DRIVE STA. 20+00.00
N 617830.7668
E 2549393.5931
W BEAVER CREEK DRIVE STA. 22+12.31
N 617619.3273
E 2549380.9050
S.R. 9 NB (CLINTON HWY.)
S.R. 9 SB (CLINTON HWY.)
W. BEAVER CREEK DRIVE
OLD CLINTON PIKE
SHEET 4 MATCH LINE STA. 16+00 W BEAVER CREEK DRIVE
PB115 R3
STA. 16+44.5
OFF. 62.9' RT
REMOVE:
(1) 40'-4 WP
(1) DE-1/OAR-NO/C
(1) 1TR-15K (#64736)
(1) DXDE-6
(1) TXDE-2
(1) PVT LT (LW# 12288806)
(1) DG-3/8"
(1) ANCHOR
POLE LOC. PB115 G2
INSTALL:
(1) DE-1/OAR-NO/C
(1) DG-3/8"
(1) A-8SH
REMOVE:
(1) A1-1/OAR
EXISTING TO REMAIN:
(1) 40'-4 WP
(1) DXDE-6
(1) PVT LT (LW# 12288805)
PB116
STA. 261+29.8
OFF. 72.7' RT
INSTALL:
(1) DXDE-6
REMOVE:
(1) T2-795AA-WD
(1) 1TR-15K (#87359)
EXISTING TO REMAIN:
(1) 35'-4 WP
(1) PVT LT (LW#_____)
PB116A
STA. 267+9.7
OFF. 72.9' RT
INSTALL:
(1) 55'-2 DI
(1) T1DE-795AA-NO/C-FG
(1) TP3D-750AL-C795AA
(1) SW/GROUP-1200A-C795AA-FG-VERT (#PS212)
(2) DXDE-6
(3) DG-7/16"
(2) A-14SH
(1) RODGND
PB117
STA. 263+47.5
OFF. 73.3' RT
INSTALL:
(1) 50'-2 WP
(1) T1-795AA-FG
(3) DXDE-6
(1) RODGND
REMOVE:
(1) 40'-4 WP (EST.)
(1) T1-795AA-WD
(2) DXDE-6
TRANSFER TO NEW POLE:
(1) CAP-600K-C795AA
PB120
EXISTING TO REMAIN:
(1) 60'-F CP
(2) T2A-795AA-FG
(2) HG-3/8"
(1) 1TR-25K (#47421)
(1) TXDE-2
POLE LOC. PB115 R1
EXISTING TO REMAIN:
(1) 40'-4 WP
(1) DE-1/OAR-NO/C
(1) SS-1/OAR-C1/OAR
(2) DXDE-6
(3) DG-3/8"
(1) ANCHOR
PVT LT (LW# 12288804)
POLE LOC. PB115
STA. 258+40
OFF. 89.8' RT
INSTALL:
(1) 55'-2 DI
(1) T1DE-795AA-NO/C-FG (PS21)
(1) TP3D-750AL-C795AA
(1) DE-1/OAR-C1/OAR-TAP
(1) DXDE-6
(1) TXDE-2
(4) DG-7/16"
(2) A-14SH
(1) DG-3/8"
(1) A-8SH
(1) RODGND
REMOVE:
(1) 45'-3 WP (EST)
(1) T2DDE-795AA-NO/C-WD
(1) SW/DISC-900A-795AA-WD (#PS212)
(1) DE-1/OAR-C795AA-TAP
(2) DXDE-6
(1) TXDE-2
(1) PVT LT (LW#12288801)
TRANSFER TO NEW POLE:
(1) 1TR-15K (#57228)
PB114
STA. 256+67.3
OFF. 75.3' RT
INSTALL:
(1) T1DE-795AA-C795AA-TAP-FG (PS21)
(2) DG-7/16"
(1) A-14SH
REMOVE:
(1) T2DE-795AA-C795AA-TAP-FG
EXISTING TO REMAIN:
(1) 60'-E CP
(2) T2DDE-795AA-C795AA-FG
(2) DG-3/8"
(1) ANCHOR
PB115A
STA. 259+91.4
OFF. 73.8'
REMOVE:
(1) 30'-5 WP (EST.)
(1) T1-795AA-WD
(1) DXDE-6
(1) PVT LT (LW #_____)
PB114
STA. 258+58.5
OFF. 63.2' LT
INSTALL:
(1) 55'-2 DI
(1) T1DE-795AA-NO/C-FG
(1) TP3D-750AL-C795AA
(1) DXDE-6
(4) DG-7/16"
(2) A-14SH
(1) RODGND
REMOVE:
(1) 45'-4 WP
(1) T1-3974A-WD
(2) DXDE-6
(2) HG-3/8"
TRANSFER TO NEW POLE:
(2) PVT LT (LW#10793101) (LW# 28536801)
* MOVE HG ATTACHMENT UP ON POLE
PB113A
STA. 257+38.5
OFF. 62.4' LT
INSTALL:
(1) T1-795AA-FG
REMOVE:
(1) T1DDE-397AA-NO/C-FG
(1) SW/DISC-900A-397AA-FG (#PS224)
EXISTING TO REMAIN:
(1) 50'-3 WP
(2) DXDE-6
(2) HG-3/8"
(1) PVT LT (LW#10793102)
PB113
STA. 256+92.7
OFF. 63.1' LT
INSTALL:
(1) 60'-1 DI
(1) T2A-795AA-FG (PS21)
(1) T1DE-795AA-C795AA-TAP-FG (PS22)
(1) T2A-795AA-FG (PS22)
(2) HG-7/16" (TO EAST)
(1) 1TR-50K (#_____)
(2) DXDE-6
(1) RODGND
REMOVE:
(1) 50'-2 WP (EST.)
(1) T2A-795AA-WD
(1) T2DE-397AA-C795AA-TAP-WD
(1) T2A-795AA-WD\
(3) HG-3/8" (TO EAST)
(1) 1TR-50K (#87701)
(2) DXDE-6
EXISTING TO REMAIN:
(2) HG-3/8" (TO WEST)
P113G
STA. 255+1.6
OFF. 57.6' LT
REMOVE:
(2) DG-7/16"
(1) ANCHOR
EXISTING TO REMAIN:
(1) 35'-4 WP (EST.)
(2) DXDE-6
(1) PVT LT
P113G1
STA. 255+80.7
OFF. 62.5' LT
INSTALL:
(1) 40'-2 DI
(3) DG-7/16"
(2) A-14SH
P118
STA. 264+32.2
OFF. 63.8' LT
EXISTING TO REMAIN:
(1) 45'-3 WP
(1) T1-397AA-FG
(2) DXDE-6
P117
STA. 262+99.3
OFF. 64.5' LT
REMOVE:
(1) 45'-3 WP
(1) T1-397AA-FG
(2) DXDE-6
PB117 (INSTALL)
STA. 263+32.7
OFF. 63.4' LT
(1) 50'-2 WP
(1) T1-397AA-FG
(2) DXDE-6
P116 (INSTALL)
STA. 262+08.3
OFF. 63.1' LT
(1) 55'-2 DI
(1) T1DE-397AA-NO/C-FG
(1) TP3D-750AL-C397AA
(1) SW/GROUP-C397AA-FG-VERT (#PS224)
(1) DXDE-6
(1) TXDE-2
(3) DG-7/16"
(2) A-14SH
(1) RODGND
REMOVE:
(1) 45'-3 WP
(1) T1-397AA-FG
(1) DXDE-6
(1) TXDE-2
TRANSFER TO NEW POLE:
(1) 1TR-15K (#105366)
P115
STA. 259+91.8
OFF. 63.1' LT
REMOVE:
(1) 45'-4 WP (EST.)
(1) T2-3794A-WD
(1) PVT LT (LW #28536802)
(1) DXDE-6
(2) DG-7/16"
(1) ANCHOR
INSTALL ±382 LF
(1) 2" CONDUIT
(1) 4" CONDUIT
(4) 6" CONDUIT
CONCRETE ENCASED
INSTALL ±360 LF
(1) 2" CONDUIT
(2) 4" CONDUIT
(4) 6" CONDUIT
CONCRETE ENCASED
25' & 30' GUY LEADS
20' & 25' GUY LEADS
15' GUY LEAD
30' GUY LEAD
64736 1-15K
87359 1-15K
105366 1-15K
57228 1-15K
47421 1-25K
87701 1-50K
246' 60X
139' 60X
79' 60X
(79') 795AA
(138') 795AA
(150') 60X
(150') 795AA
(175') 795AA
120' 795AA (PS21)
185' 60X
104' 60X
133' 60X
397AA 204'
397AA 133'
397AA 104'
397AA (2037)
397AA (133')
397AA (120')
795AA (PS22) 120'
795AA (PS22) 46'
795AA (PS22) 46'
795AA (PS22) 46

TENN.	YEAR	SHEET NO.
	2026	U1-5
FED. AID PROJ. NO.	HSIP-9(76)	
STATE PROJ. NO.	47013-3232-94	

NOTES:

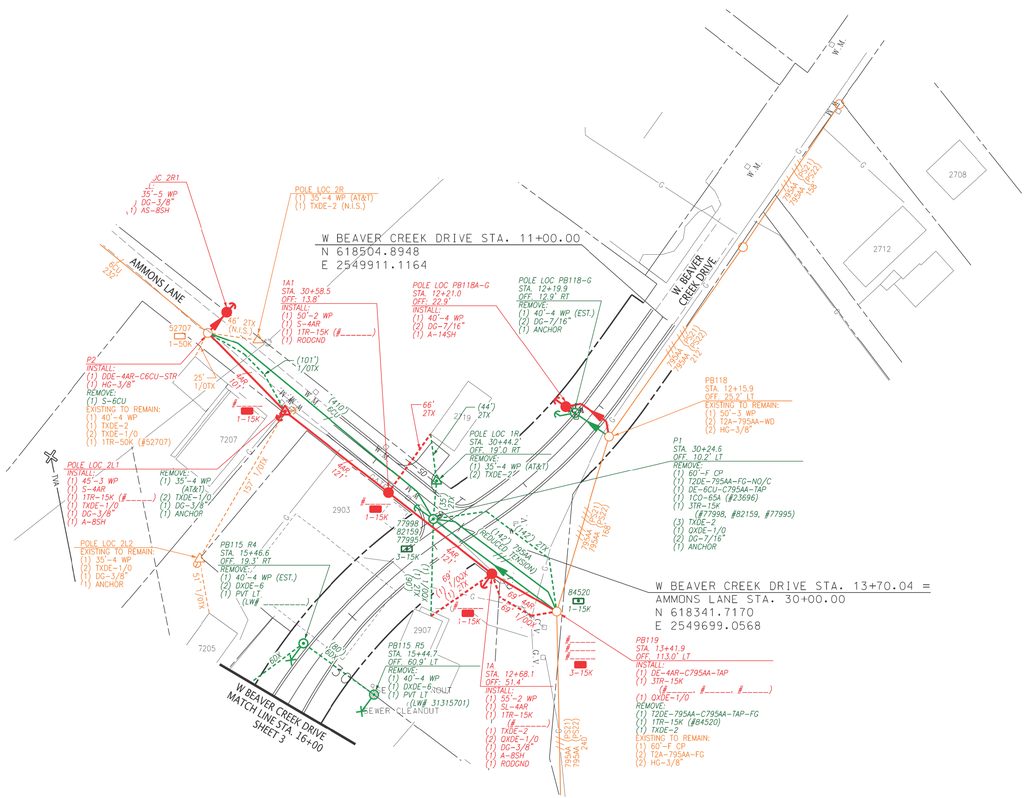
1. REF. SHEET 2 FOR GENERAL NOTES AND LEGEND.

APPROVED
By Alex Christie at 10:33 am, Jul 03, 2023

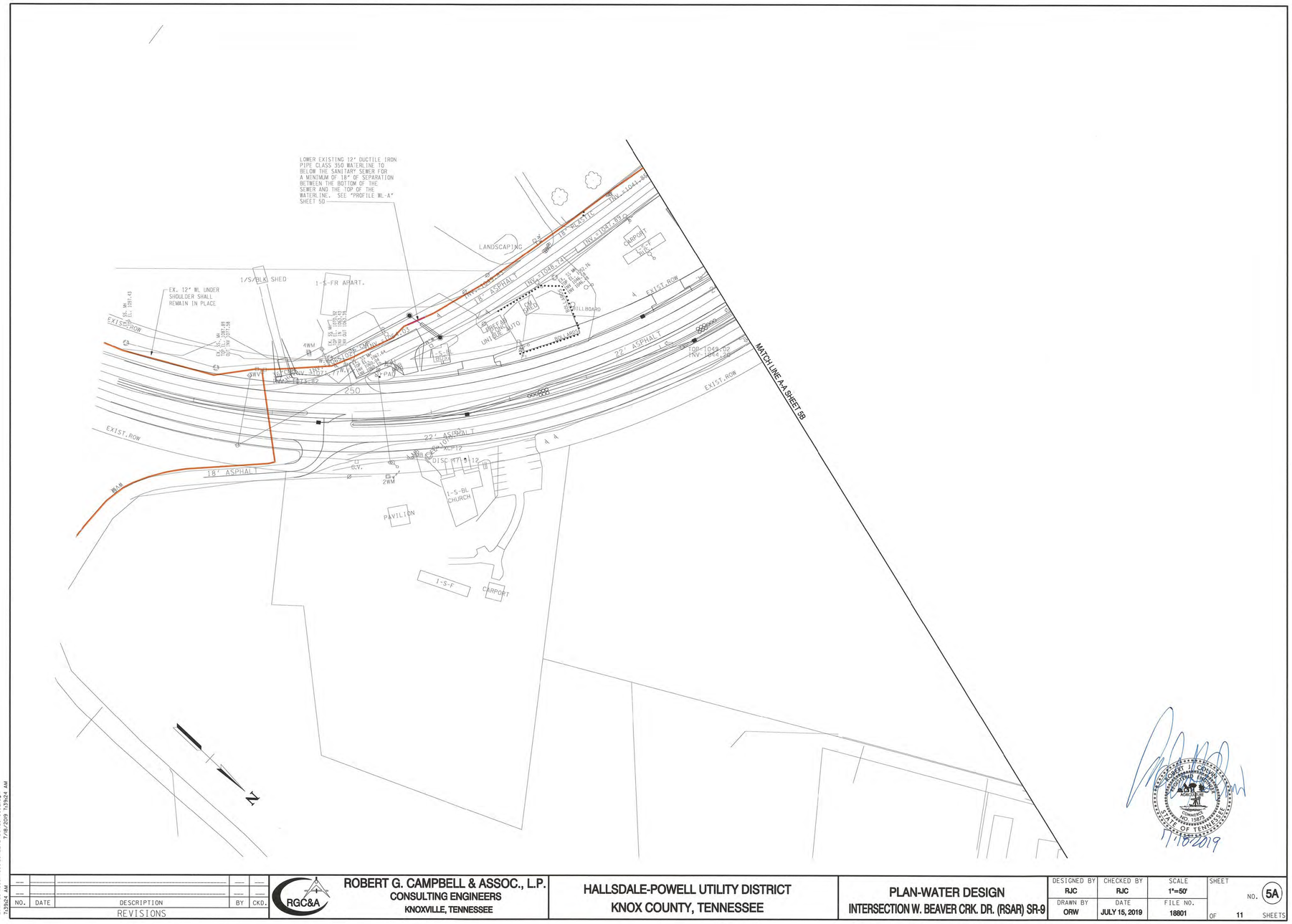
INSTRUMENT NORTH

0 50 100

SCALE: 1" = 50'


W BEAVER CREEK DRIVE STA. 11+00.00
N 618504.8948
E 2549911.1164
W. BEAVER CREEK DRIVE
AMMONS LANE
JC 2R1
35'-5 WP
DG-3/8"
(1) AS-85H
POLE LOC 2R
(1) 35'-4 WP (AT&T)
(1) TXDE-2 (N.I.S.)
1A1
STA. 30+58.5
OFF. 13.8'
INSTALL:
(1) 50'-2 WP
(1) S-4AR
(1) 11R-15K (#_____)
(1) RODGND
POLE LOC PB118A-G
STA. 12+21.0
OFF. 22.9'
INSTALL:
(1) 40'-4 WP
(2) DG-7/16"
(1) A-145H
POLE LOC PB118-G
STA. 12+19.9
OFF. 12.9' RT
REMOVE:
(1) 40'-4 WP (EST.)
(2) DG-7/16"
(1) ANCHOR
P2
INSTALL:
(1) DDE-4AR-C6CU-STR
(1) HG-3/8"
REMOVE:
(1) S-6CU
EXISTING TO REMAIN:
(1) 40'-4 WP
(1) TXDE-2
(2) TXDE-1/0
(1) 11R-15K (#52707)
POLE LOC 2L1
INSTALL:
(1) 45'-3 WP
(1) S-4AR
(1) 11R-15K (#_____)
(1) TXDE-1/0
(1) DG-3/8"
(1) A-85H
REMOVE:
(1) 35'-4 WP (AT&T)
(2) TXDE-1/0
(1) DG-3/8"
(1) ANCHOR
POLE LOC 2L2
EXISTING TO REMAIN:
(1) 35'-4 WP
(2) TXDE-1/0
(1) DG-3/8"
(1) ANCHOR
PB115 R4
STA. 15+46.6
OFF. 19.3' RT
REMOVE:
(1) 40'-4 WP (EST.)
(2) DXDE-6
(1) PVT LT
(LW# _____)
PB115 R5
STA. 15+44.7
OFF. 69.8' LT
REMOVE:
(1) 40'-4 WP
(1) DXDE-6
(1) PVT LT
(LW# 31315701)
SEWER CLEANOUT
W BEAVER CREEK DRIVE
MATCH LINE STA. 16+00
SHEET 3
POLE LOC 1R
STA. 30+44.2
OFF. 19.0' RT
REMOVE:
(1) 35'-4 WP (AT&T)
(2) TXDE-2
1A
STA. 12+68.1
OFF. 51.4'
INSTALL:
(1) 55'-2 WP
(1) SJ-4AR
(1) 11R-15K
(#_____)
(1) TXDE-2
(2) DXDE-1/0
(1) DG-3/8"
(1) A-85H
(1) RODGND
PB118
STA. 12+15.9
OFF. 29.2' LT
EXISTING TO REMAIN:
(1) 50'-3 WP
(2) T2A-795AA-WD
(2) HG-3/8"
P1
STA. 30+24.6
OFF. 10.2' LT
REMOVE:
(1) 60'-F CP
(1) T2DE-795AA-FG-NO/C
(1) DE-6CU-C795AA-TAP
(1) TCO-65A (#23696)
(1) 3TR-15K
(#77998, #82159, #77995)
(3) TXDE-2
(1) DXDE-1/0
(2) DG-7/16"
(1) ANCHOR
W BEAVER CREEK DRIVE STA. 13+70.04 =
AMMONS LANE STA. 30+00.00
N 618341.7170
E 2549699.0568
PB119
STA. 13+41.9
OFF. 113.0' LT
INSTALL:
(1) DE-4AR-C795AA-TAP
(1) 3TR-15K
(#_____, #_____, #_____)
(1) DXDE-1/0
REMOVE:
(1) T2DE-795AA-C795AA-TAP-FG
(1) 11R-15K (#84520)
(1) TXDE-2
EXISTING TO REMAIN:
(1) 60'-F CP
(2) T2A-795AA-FG
(2) HG-3/8"
POLE LOC. PB115
STA. 15+40
OFF. _____
2708
2712
2719
7207
2903
2907
7205
52707
84520
77998
82159
77995
(101')
1/OTX
(44')
2TX
(410')
2TX
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2TX
(1142')
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1/OTX
66'
2TX
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1-15K
3-15K
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		REVISIONS		

RGC&A

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

HALLSDALE-POWELL UTILITY DISTRICT
KNOX COUNTY, TENNESSEE

PLAN-WATER DESIGN
INTERSECTION W. BEAVER CRK. DR. (RSAR) SR-9

DESIGNED BY	CHECKED BY	SCALE	SHEET NO.
RJC	RJC	1"=50'	5A
DRAWN BY	DATE	FILE NO.	OF 11 SHEETS
ORW	JULY 15, 2019	18801	

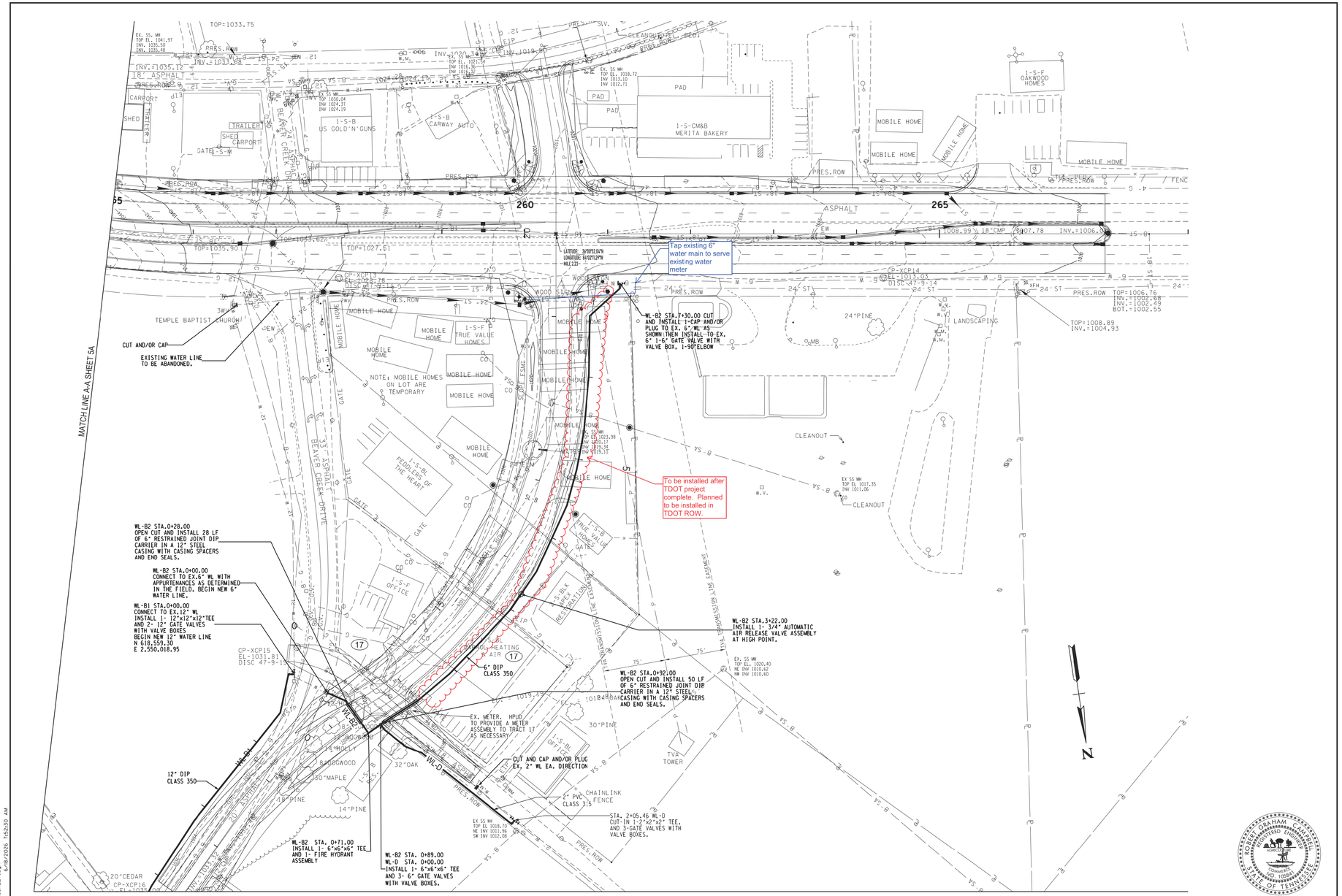
ROBERT J. CROWE
REGISTERED PROFESSIONAL ENGINEER
AGRICULTURE
CONSENT
NO. 108775
STATE OF TENNESSEE
7/16/2019

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HPUD WATER
MOVE PRIOR
NOT TO SCALE

TENN.	YEAR	SHEET NO.
	2026	U1-7
FED. AID PROJ. NO.	HSIP-9(76)	
STATE PROJ. NO.	47013-3232-94	



NO.	DATE	DESCRIPTION	BY	CKD.
1	06/18/26	MODIFIED WL-B TO WL-B1 AND WL-B2 AND REMOVED WL-C	JLD	RGC

REVISIONS

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

HALLSDALE-POWELL UTILITY DISTRICT
KNOX COUNTY, TENNESSEE

PLAN-WATER DESIGN
INTERSECTION W. BEAVER CRK. DR. (RSAR) SR-9

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RJC	RJC	1"=50'
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ORW	JULY 15, 2019	18801

SHEET NO. 5B OF 11 SHEETS

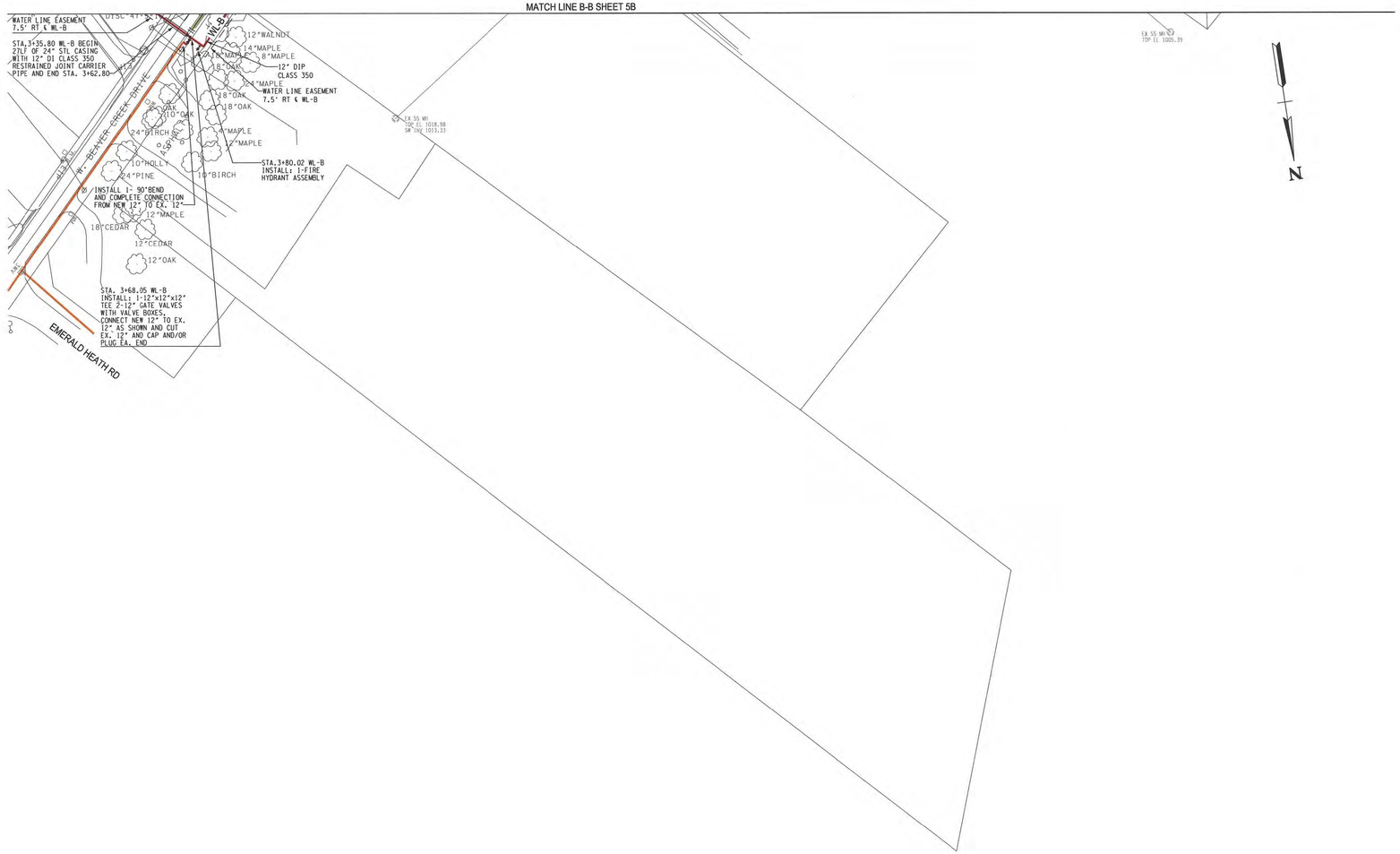
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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STATE PROJ. NO.	47013-3232-94	



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NO.	DATE	DESCRIPTION	BY	CKD.
		REVISIONS		

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

HALLSDALE-POWELL UTILITY DISTRICT
KNOX COUNTY, TENNESSEE

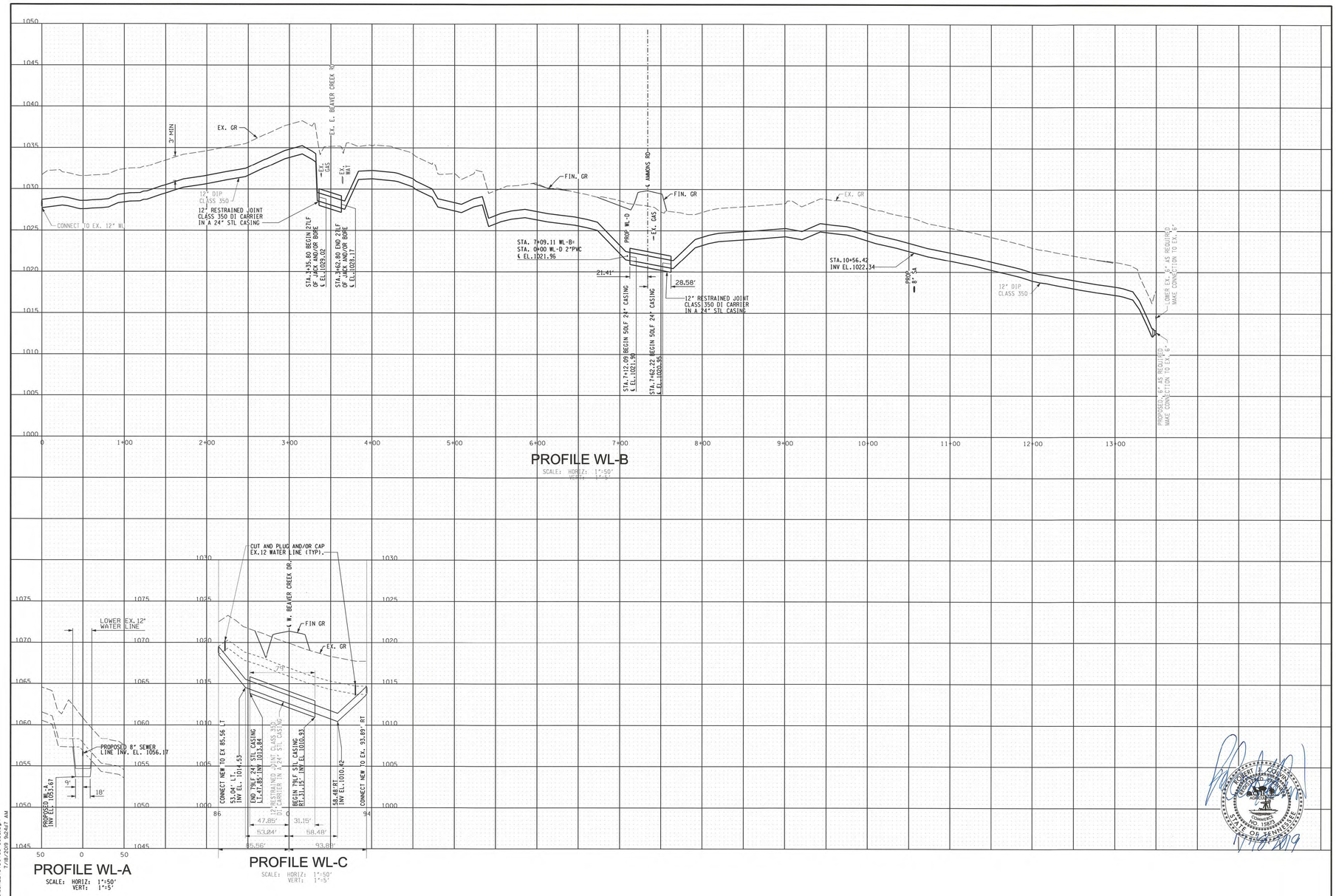
PLAN-WATER DESIGN
INTERSECTION W. BEAVER CRK. DR. (RSAR) SR-9

DESIGNED BY	CHECKED BY	SCALE	SHEET NO.
RJC	RJC	1"=50'	5C
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HPUD WATER
MOVE PRIOR
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TENN.	YEAR	SHEET NO.
	2026	U1-9
FED. AID PROJ. NO.	HSIP-9(76)	
STATE PROJ. NO.	47013-3232-94	



PROFILE WL-B

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

PROFILE WL-A

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

PROFILE WL-C

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

NO.	DATE	DESCRIPTION	BY	CKD.

REVISIONS

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

HALLSDALE-POWELL UTILITY DISTRICT
KNOX COUNTY, TENNESSEE

PROFILES-WATER DESIGN
INTERSECTION W. BEAVER CRK. DR. (RSAR) SR-9

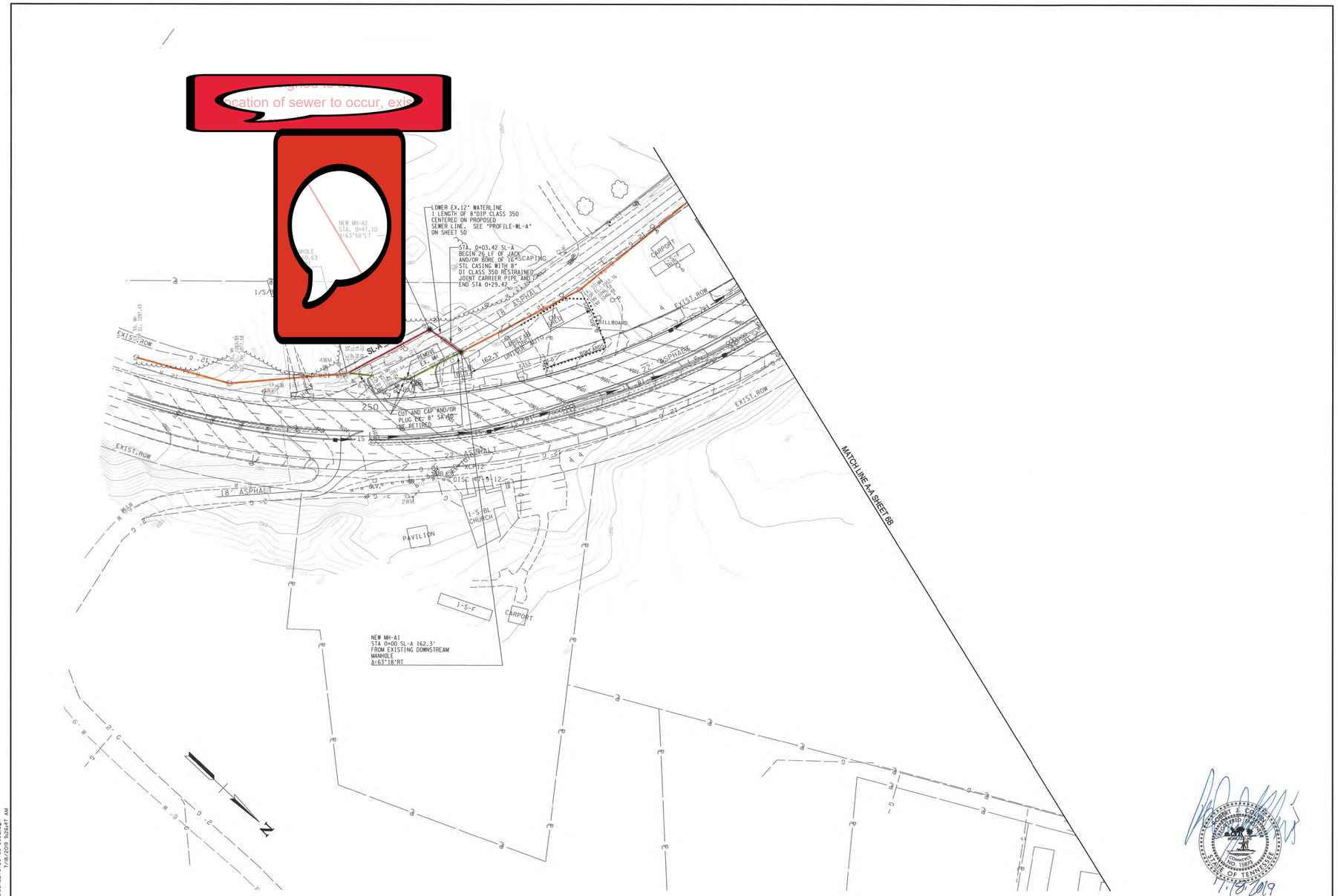
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RJC	RJC	1"=50' HORIZ 1"=5' VERT	5D
DRAWN BY	DATE	FILE NO.	OF 11 SHEETS
ORW	JULY 15, 2019	18801	

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HPUD WATER
MOVE PRIOR
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TENN.	YEAR	SHEET NO.
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STATE PROJ. NO.	47013-3232-94	



NO.	DATE	DESCRIPTION	BY	CK'D.
		REVISIONS		

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

HALLSDALE-POWELL UTILITY DISTRICT
KNOX COUNTY, TENNESSEE

PLAN-SEWER DESIGN
INTERSECTION W. BEAVER CRK. DR. (RSAR) SR-9

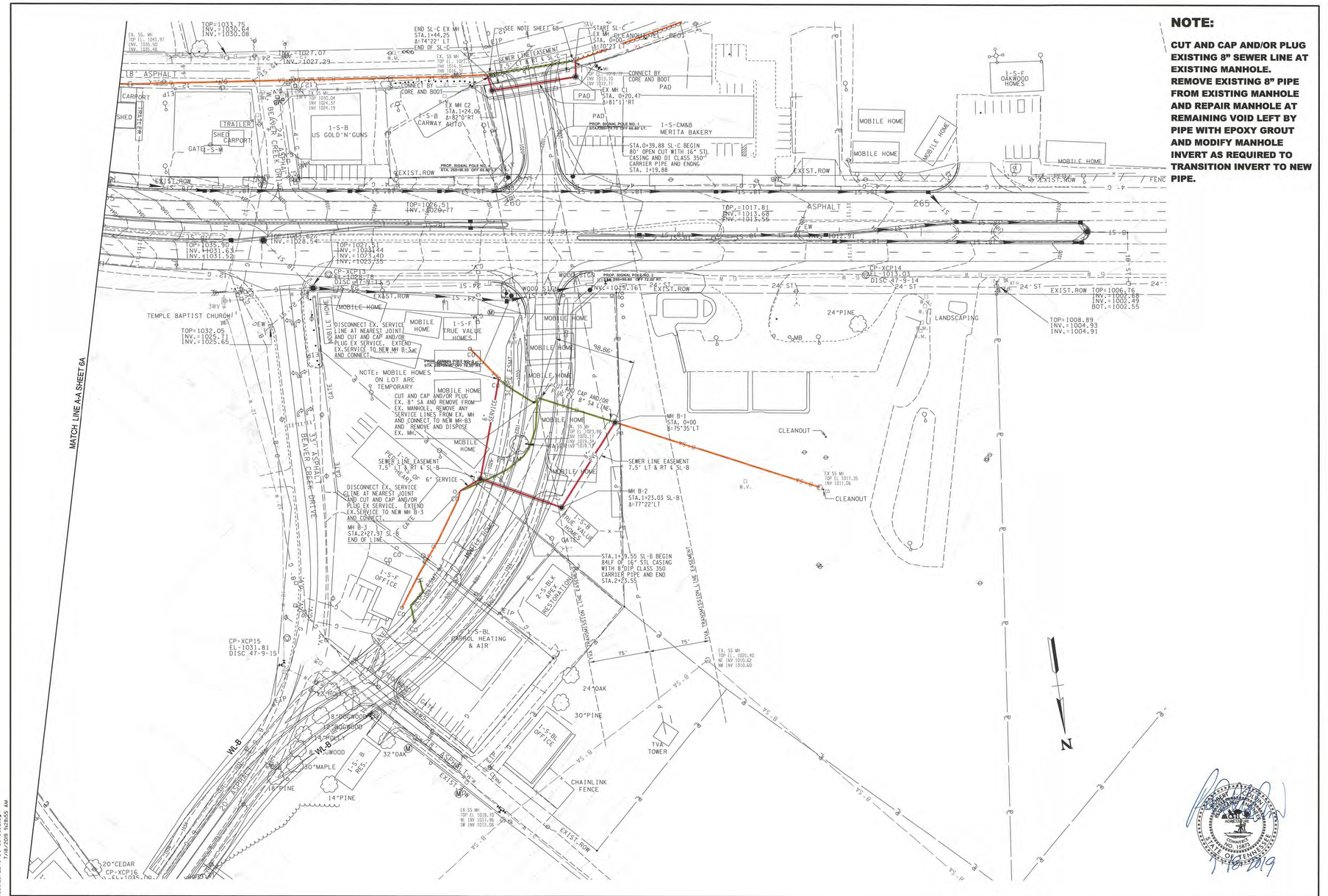
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ORW	JULY 15, 2019	18801	

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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MOVE PRIOR
NOT TO SCALE

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TENN.	YEAR	SHEET NO.
	2026	U1-11
FED. AID PROJ. NO.	HSIP-9(76)	
STATE PROJ. NO.	47013-3232-94	



NOTE:

CUT AND CAP AND/OR PLUG EXISTING 8" SEWER LINE AT EXISTING MANHOLE. REMOVE EXISTING 8" PIPE FROM EXISTING MANHOLE AND REPAIR MANHOLE AT REMAINING VOID LEFT BY PIPE WITH EPOXY GROUT AND MODIFY MANHOLE INVERT AS REQUIRED TO TRANSITION INVERT TO NEW PIPE.

NO.	DATE	DESCRIPTION	BY	CKD.
		REVISIONS		

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

HALLSDALE-POWELL UTILITY DISTRICT
KNOX COUNTY, TENNESSEE

PLAN-SEWER DESIGN
INTERSECTION W. BEAVER CRK. DR. (RSAR) SR-9

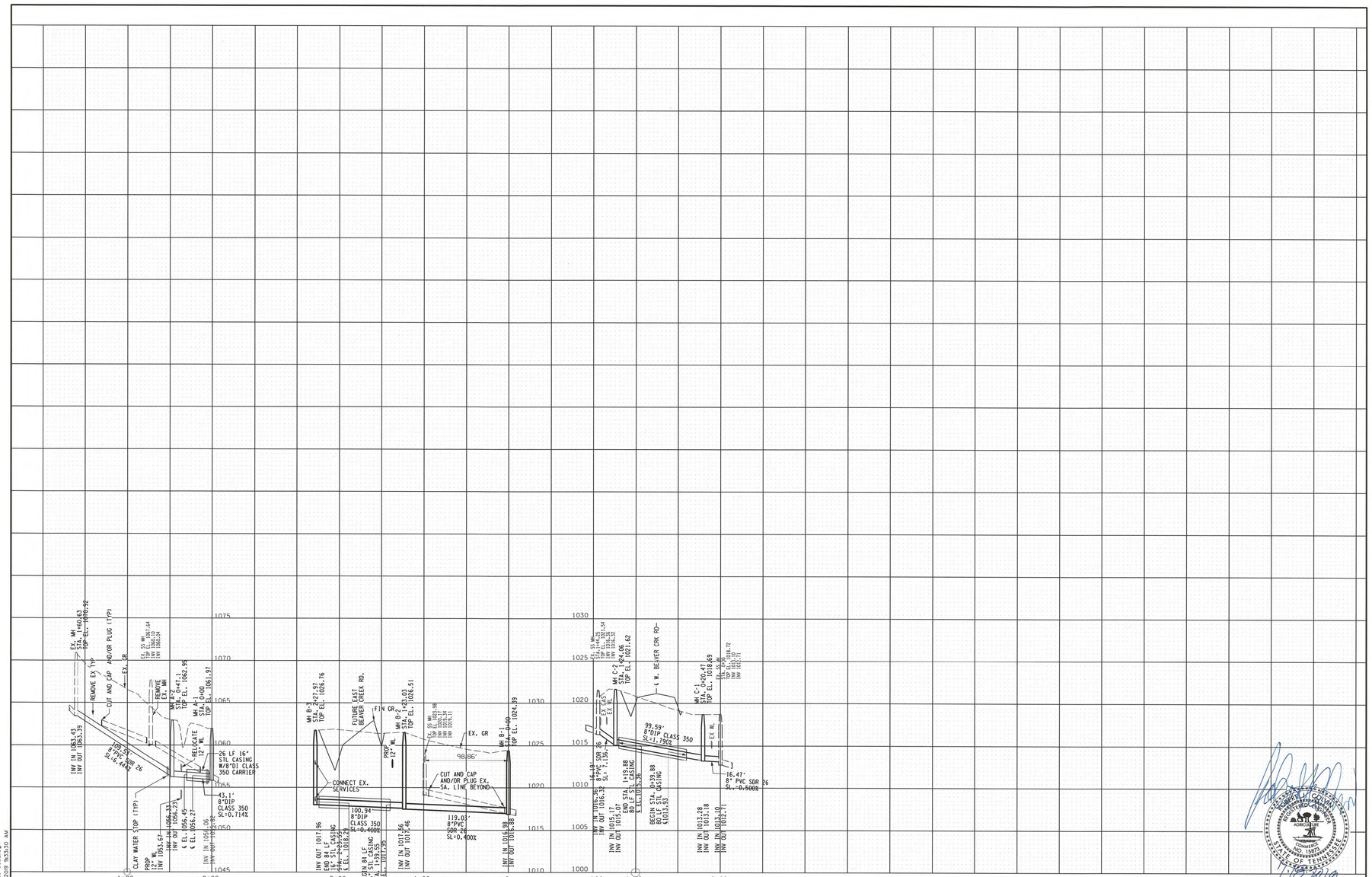
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DRAWN BY	DATE	FILE NO.	OF 11 SHEETS
ORW	JULY 15, 2019	18801	

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HPUD SEWER
MOVE PRIOR
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TENN.	YEAR	SHEET NO.
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FED. AID PROJ. NO.	HSIP-9(76)	
STATE PROJ. NO.	47013-3232-94	



NO.	DATE	DESCRIPTION	BY	CKD.
		REVISIONS		

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

HALLSDALE-POWELL UYTILITY DISTRICT
KNOX COUNTY, TENNESSEE

PROFILES-SEWER
INTERSECTION W. BEAVER CRK. DR. (RSAR) SR-9

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DRAWN BY	DATE	FILE NO.	OF 11 SHEETS
ORW	JULY 15, 2019	18801	

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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MOVE PRIOR
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