THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Andrew Parr

Contact Info: andrew.parr@arcadis.com
Date: 2025.06.13 19:13:09-04'00'

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ARCADIS US, INC.
1210 PREMIER DRIVE, SUITE 200
CHATTANOOGA, TN

ANDREW PARR. P.E., NO. 121197

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
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
ESTIMATED ROADWAY QUANTITIES	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B
GENERAL NOTES	2C
ENVIRONMENTAL NOTES	2E
TABULATED QUANTITIES	2F, 2F1
DETAIL SHEETS	2G
UTILITY NOTES AND UTILITY OWNERS	3
RIGHT-OF-WAY ACQUISITION TABLE	3A
PROPERTY MAP	3B
PRESENT LAYOUTS	4 – 5
PROPOSED LAYOUTS	4B – 5B
PROPOSED PROFILES	4C – 5C, 5C1
RAMP PROFILES	6
SIDE ROADS PROFILES	7
PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES	8
DRAINAGE MAP	9
CULVERT SECTIONS	10 – 12
EPSC NOTES	13
EPSC LEGEND AND TABULATION	13A
EPSC PLAN SHEETS	14 – 19
PAVEMENT EDGE DROP-OFF NOTES	T1
TRAFFIC CONTROL PHASING NOTES, LEGEND AND TABULATION	T2
TRAFFIC CONTROL PLANS	T3 – T4

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

YEAR	PROJECT NO.	SHEET NO.
2025	06S074-S3-003	ROADWAY-SIGN 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

SEE SHEET 1A FOR
INDEX OF SHEETS

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

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

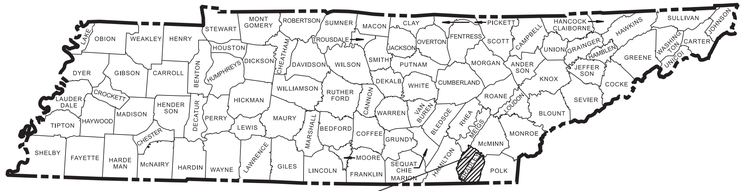
TENN.	YEAR	SHEET NO.
	2025	1
FED. AID PROJ. NO.	N/A	
STATE PROJ. NO.	06S074-S3-003	

BRADLEY COUNTY

SR-74 (SPRING PLACE ROAD),
FROM NEAR LM 11.150 TO
NEAR LM 11.80 (ARPA)

PS&E
DRAINAGE IMPROVEMENTS

STATE HIGHWAY NO. 74 F.A.H.S. NO. N/A



NO EXCLUSIONS

SCALE: 1"= 5280'

0 1 2 3 MILES

END R.O.W. (Utilities Only) PROJECT NO. 06S074-S2-003
STA.149+00.00
N 2933357.3059 E 2309201.6060

END CONSTRUCTION PROJECT NO. 06S074-S3-003
STA. 146+54.00
N 293184.6577 E 2309376.4005

BEGIN CONSTRUCTION PROJECT NO. 06S074-S3-003
STA. 126+68.89
N 291965.7603 E 2310908.5017

BEGIN R.O.W. (Utilities Only) PROJECT NO. 06S074-S2-003
STA. 125+00.00
N 291894.8905 E 2311061.8031

PROJECT OF LIMITED SCOPE

SPECIAL NOTES

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

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

R.O.W. LENGTH	0.000 MILES		
ROADWAY LENGTH	0.376 MILES		
BRIDGE LENGTH	0.000 MILES		
BOX BRIDGE LENGTH	0.000 MILES ▲		
BOX BRIDGE LENGTH	0.000 MILES		
PROJECT LENGTH	0.376 MILES		

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

TDOT PROJECT MANAGER: JASON TAYS, P.E.
DESIGN FIRM: ARCADIS US, INC.
DESIGNER: JUSTIN CORBITT, P.E. CHECKED BY ANDREW PARR, P.E.
P.E. NO. 06S074-S1-003 (DESIGN)
PIN NO. 133633.00

SURVEY 08-10-23	TRAFFIC DATA	
TDOT 08-11-23 TDOT 01-25-24	ADT (2025)	12,740
	ADT (2045)	15,670
	DHV (2045)	1,567
	D	60 - 40
	T (ADT)	3 %
	T (DHV)	2 %
	V	POSTED 45 MPH

COORDINATES ARE NAD/83(2011) ADJUSTED BY
THE FACTOR OF 1.0000 AND TIED TO THE TGRN. ALL ELEVATIONS
ARE REFERENCED TO THE NAVD 1988 USING GEOID 18

SEALED BY

ANDREW PARR
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 121197
STATE OF TENNESSEE
6-17-25

APPROVED:
WILL REID, DEPUTY COMMISIONER / CHIEF ENGINEER
DATE:

APPROVED:
HOWARD H. ELEY, DEPUTY GOVERNER & COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:
DIVISION ADMINISTRATOR DATE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P-I-H	2025	06S074-S3-003	1A
PS&E	2025	06S074-S3-003	1A

ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEET	ROADWAY-SIGN1
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
ESTIMATED ROADWAY QUANTITIES	2
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EPSC NOTES	13
EPSC LEGEND AND TABULATION	13A
EPSC PLAN SHEETS	14 – 19
ROADWAY CROSS SECTIONS	20 – 27
PAVEMENT EDGE DROP-OFF NOTES	T1
TRAFFIC CONTROL PHASING NOTES, LEGEND AND TABULATION	T2
TRAFFIC CONTROL PLANS	T3 – T4
REFERENCE SHEETS	RF-1 – RF-3
STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PLANS	S-1
UTILITY PLANS	U1-1

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

NOTE: RIGHT OF WAY DETAILS (“A”) SERIES SHEETS ARE NOT INCLUDED IN THIS PLAN SET.

STANDARD ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
10-100.00 STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS		
RD-TP-1	10-01-24	STANDARD ROADWAY DRAWINGS TITLE SHEET
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
RD-L-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		
RD11-TS-1A	06-28-19	DESIGN STANDARDS FOR LOCAL ROADS AND STREETS
RD11-S-11		DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD11-S-11A		ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD11-S-11B		DESIGN AND CONSTRUCTION DETAILS FOR ROCK CUT SLOPE AND CATCHMENT
10-102.00 PIPE CULVERTS AND ENDWALLS		
D-PB-1	03-01-23	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PB-4	01-09-24	PIPE COLLAR DETAILS
D-PO-1	06-28-19	STANDARD OVAL AND REINFORCED CONCRETE ARCH PIPE CULVERT
D-PE-30A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 30" PIPE WITH STEEL PIPE GRATE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-30B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 30" PIPE, BILL OF STEEL AND PRECAST NOTES
D-SEW-1A	07-07-23	TYPE "SAFETY" SIDE ENDWALL WITH STEEL PIPE GRATE, FOR 15" THRU 48" PIPES, 6:1 SLOPE
D-PEW-1		PROTECTED ENDWALLS FOR ROUND & OVAL PIPES (PIPE SIZES 18” TO 72”, ALL SKEWS, 2:1 & 3:1 SLOPES)
D-PEW-4		PROTECTED STRAIGHT ENDWALLS (PIPE SIZES 18” TO 30” & EQU. OVAL PIPES)
10-103.00 CATCH BASINS AND MANHOLES		
D-CB-42RB	02-20-20	STANDARD PRECAST CIRCULAR NO. 42 CATCH BASIN
D-JBS-3	02-20-20	STANDARD 5' 2" X 5' 2" SQUARE CONCRETE NO. 3 JUNCTION BOX
10-104.00 ROADWAY, PAVEMENT APPURTENANCES, AND FENCES		
RP-VC-10	03-04-21	VERTICAL CONCRETE CURB AND CURB AND GUTTER (FOR 8” TO 12” GUTTER DEPTH)
S-F-1	03-01-23	HIGH VISIBILITY FENCE

DWG.	REV.	DESCRIPTION
10-107.00 EROSION PREVENTION AND SEDIMENT CONTROL		
EC-STR-3C	03-01-23	SILT FENCE WITH WIRE BACKING
EC-STR-8	06-10-14	FILTER SOCK
EC-STR-37	06-10-14	SEDIMENT TUBE
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-43		CATCH BASIN FILTER ASSEMBLY (TYPE 3)
EC-STR-43A		CATCH BASIN FILTER ASSEMBLY (TYPE 3) SLIPCOVER DETAILS
EC-STR-11A	08-01-12	CULVERT PROTECTION TYPE 2
EC-STR-30		INSTREAM DIVERSION (WITHOUT TRAFFIC)
EC-STR-30A		INSTREAM DIVERSION (WITH TRAFFIC)
10-204.00 DESIGN - TRAFFIC CONTROL		
T-M-1	01-24-25	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	01-24-25	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	01-24-25	MARKING STANDARDS FOR TRAFFIC ISLANDS, PAVED SHOULDERS AND MEDIANS FOR CONVENTIONAL ROADS
T-M-4	01-24-25	STANDARD INTERSECTION PAVEMENT MARKINGS
T-WZ-40	03-26-25	RIGHT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-41	03-26-25	LEFT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-FAB1	03-26-25	FLASHING YELLOW ARROW BOARD

SEALED BY

ANDREW P. ARIO
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 121137
STATE OF TENNESSEE
6-13-25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX
AND
STANDARD
ROADWAY
DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P-I-H	2025	06S074-S3-003	2
PS&E	2025	06S074-S3-003	2

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 06S074-S3-003
	201-01	CLEARING AND GRUBBING	LS	1
(1)	202-01.01	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
	202-02.01	REMOVAL OF PIPE (24" CMP STA. 127+44.74 LT. SR-74)	L.F.	232
	202-02.02	REMOVAL OF PIPE (36" RCP STA. 131+86.36 LT. SR-74)	L.F.	30
	202-02.03	REMOVAL OF PIPE (26" RCP STA. 134+21.11 LT. SR-74)	L.F.	16
	202-02.04	REMOVAL OF PIPE (24" RCP STA. 134+56.22 LT. SR-74)	L.F.	27
	202-02.05	REMOVAL OF PIPE (24" CMP STA. 135+22.24 LT. SR-74)	L.F.	106
	202-02.06	REMOVAL OF PIPE (36" CMP STA. 136+07.72 LT. SR-74)	L.F.	63
	202-02.07	REMOVAL OF PIPE (36" CMP STA. 136+91.91 LT. SR-74)	L.F.	59
	202-02.08	REMOVAL OF PIPE (18" CMP STA. 137+61.96 LT. SR-74)	L.F.	42
	202-02.09	REMOVAL OF PIPE (24" CMP STA. 137+62.53 LT. SR-74)	L.F.	41
(6)	202-08.10	REMOVAL OF CURB (MOUNTABLE CONCRETE CURB)	L.F.	242
(7)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	28096
	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	1400
(4)	209-05	SEDIMENT REMOVAL	C.Y.	103
(4)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	1030
(4)	209-08.07	ROCK CHECK DAM PER	EACH	1
(4)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	7
(4)	209-08.09	FILTER SOCK CHECK DAM	EACH	2
(8)	209-20.20	DETENTION POND OUTLET STRUCTURE	EACH	1
	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	6
(4)	209-40.43	CATCH BASIN FILTER ASSEMBLY(TYPE 3)	EACH	2
(4)	209-65.03	TEMPORARY DIVERSION CHANNEL	L.F.	90
(4)	209-65.04	TEMPORARY IN STREAM DIVERSION	L.F.	840
(3)	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	171
(2),(3),(4)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	206
(3)	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	115
(3)	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	0.6
(3),(9)	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	2.4
(3)	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	0.1
(3)	411-01.10	ACS MIX (PG64-22) GRADING D	TON	66
	607-06.02	30" CONCRETE PIPE CULVERT (CLASS III)	L.F.	60
	607-06.03	30" CONCRETE PIPE CULVERT (CLASS IV)	L.F.	420
	607-07.02	36" CONCRETE PIPE CULVERT (CLASS III)	L.F.	23
	607-07.03	36" CONCRETE PIPE CULVERT (CLASS IV)	L.F.	222
	607-16.04	38"x24" HORIZONTAL OVAL CONRETE PIPE CULVERT	L.F.	58
(5)	607-67.11	24" FOLDED PVC PIPE LINER	L.F.	142
(5)	607-67.13	36" FOLDED PVC PIPE LINER	L.F.	607
	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	9
	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB.	314
	611-07.33	30IN ENDWALL (SIDE DRAIN)	EACH	4
	611-07.34	36IN ENDWALL (SIDE DRAIN)	EACH	1
	611-07.62	30IN ENDWALL (CROSS DRAIN) 6:1	EACH	4
	611-42.02	CATCH BASINS, TYPE 42, > 4' - 8' DEPTH	EACH	1
(6)	702-01.02	CONCRETE CURB	L.F.	242
(4)	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	957
(4)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	50
(4)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	308
	709-05.08	MACHINED RIP-RAP (CLASS B)	TON	227
	709-05.09	MACHINED RIP-RAP (CLASS C)	TON	86
	712-01	TRAFFIC CONTROL	LS	1
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EA.	60
	712-05.03	WARNING LIGHTS (TYPE C)	EA.	30
	712-06	SIGNS (CONSTRUCTION)	S.F.	279
(9)	712-08.03	ARROW BOARD (TYPE C)	EACH	2
(9)	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	2
	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	0.1
	717-01	MOBILIZATION	LS	1
(4)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	689
(4)	740-11.03	TEMPORARY SEDIMENT TUBE 18IN	L.F.	3468
(10)	801-01	SEEDING (WITH MULCH)	UNIT	50
(4)	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	93
(11)	801-01.38	NATVE SEED MX FINAL STABLIZATN OF SLOPES	UNIT	1
(4),(12)	801-03	WATER (SEEDING & SODDING)	M.G.	119
(4)	803-01	SODDING (NEW SOD)	S.Y.	10400

FOOTNOTES

(1) SEE SHEET 2F1 FOR REMOVAL OF STRUCTURES TABULATION.

(2) INCLUDES 15 TONS FOR EPSC MEASURES.

(3) SEE SHEET 2F1 FOR PAVEMENT QUANTITIES TABULATION.

(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) SEE SHEET 2F1 FOR PVC PIPE LINERS TABULATION.

(6) TO BE USED AT BUSINESS ENTRANCES.

(7) INCLUDES 8 C.Y. FOR TEMPORARY CONSTRUCTION EXIT, 25925 C.Y. FOR DETENTION POND, AND 2163 C.Y. FOR TOPSOIL.

(8) SEE SHEET 2G FOR DETAILS.

(9) ITEM TO BE USED AS DIRECTED BY THE ENGINEER.

(10) TO BE USED FOR SEEDING WASTE AREAS OUTSIDE RIGHT OF WAY.

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

(12) INCLUDES 114 THOUSAND GALLONS FOR EROSION PREVENTION AND SEDIMENT CONTROL AND 5 THOUSAND GALLONS FOR OUTSIDE THE RIGHT OF WAY.

SEALED BY

ANDREW PARR REGISTERED ENGINEER AGRICULTURE COMMERCE No. 121197 STATE OF TENNESSEE

6-13-25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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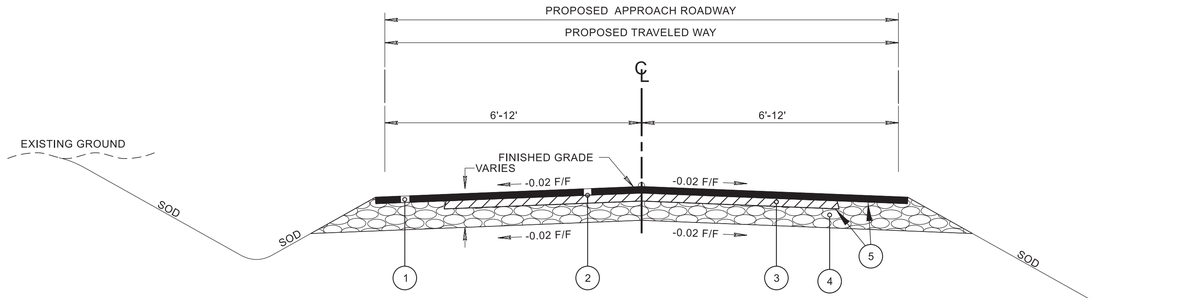
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	2B
P-I-H	2025	06S074-S3-003	2B
PS&E	2025	06S074-S3-003	2B



TANGENT SECTION
(SIDE ROADS)

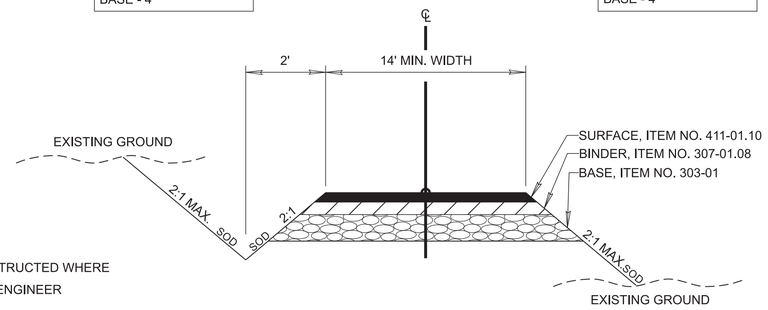
OFFICER ST. FROM STA. 70+00.00 TO STA. 70+80.10
PICKENS ST. FROM STA. 80+00.00 TO STA. 80+98.46
BROOMFIELD RD. FROM STA. 100+00.00 TO STA. 101+80.29

BUSINESS

SURFACE - 1¼"
BINDER - 1¾"
BASE - 4"

FIELD OR RESIDENTIAL

SURFACE - 1½"
BINDER - NONE
BASE - 4"



NOTE: DITCH TO BE CONSTRUCTED WHERE DIRECTED BY THE ENGINEER

CUT SECTION

FILL SECTION

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

PROPOSED PAVEMENT SCHEDULE SIDE ROADS

①	ASPHALTIC CONCRETE SURFACE (HOT MIX) PG64-22 GRADING "D" SURFACE @ 1.25" THICK 411-01.10 ACS MIX (PG64-22) GRADING "D"
②	TACK COAT 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD
③	BITUMINOUS PLANT MIX BASE (HOT MIX) PG64-22 GRADING "B-M2" @ 4.0" THICK 307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "B-M2"
④	MINERAL AGGREGATE TYPE 57 STONE @ VARYING THICKNESS 303-10.01 MINERAL AGGREGATE (SIZE 57)
⑤	PRIME COAT 402-01 BITUMINOUS MATERIAL FOR PRIME COAT PC) (0.30-.035 GAL./S.Y.) 402-02 AGGREGATE FOR COVER MATERIAL (PC) (8-12 LB/S.Y.)

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND PAVEMENT SCHEDULE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P-I-H	2025	06S074-S3-003	2C
PS&E	2025	06S074-S3-003	2C

GENERAL NOTES

GRADING

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

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

SEEDING AND SODDING

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

(4) ITEM NO. 801-01.07, SEEDING (WITH MULCH), SHALL BE USED WHERE EROSION CONTROL BLANKET OR SOD ARE NOT APPLIED.

DRAINAGE

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

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

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

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

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

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.

MISCELLANEOUS

(1) 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.

(2) 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.

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) 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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ANDREW PARR REGISTERED ENGINEER AGRICULTURE COMMERCE No. 121197 STATE OF TENNESSEE

6-13-25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	2E
P-I-H	2025	06S074-S3-003	2E
PS&E	2025	06S074-S3-003	2E

ENVIRONMENTAL NOTES

ENVIRONMENTAL GENERAL NOTES

NATURAL RESOURCES

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

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

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

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

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

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

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

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

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

SPECIES

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

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

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

PERMITS, PLANS & RECORDS

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

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

(15) IF A CHANGE IN PROJECT SCOPE OCCURS DURING CONSTRUCTION, INCLUDING VALUE ENGINEERING, THE TDOT PERMIT SECTION SHALL BE CONTACTED TO DETERMINE WHETHER PERMIT REVISIONS ARE NEEDED. THE 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 PRE-CONSTRUCTION MEETING WHEN ENVIRONMENTAL DIVISION PERSONNEL OR A DESIGNATED CONSULTANT WILL NEED TO BE ONSITE FOR WORK BEING DONE WHICH COULD AFFECT WATERS OF THE STATE/U.S. OR SPECIES.

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

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

PROJECT COMMITMENTS

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

SCOPE OF WORK

(6) DRAINAGE IMPROVEMENTS.

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COMMERCE
No. 121197
STATE OF TENNESSEE

6-13-25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P-I-H	2025	06S074-S3-003	2F
PS&E	2025	06S074-S3-003	2F

CROSS DRAIN TABULATION

STATION	SKEW	RCP CLASS III FILL HEIGHT ≤ 16 FT. (L.F.)			END TREATMENT				REMARKS
					INLET		OUTLET		
		30"	36"	38"x24"	TYPE	DRAWING NO.	TYPE	DRAWING NO.	
70+51.20 (OFFICER ST.)	90°	60			6:1 SEW	D-SEW-1A, D-PE-30A, D-PE-30B	6:1 SEW	D-SEW-1A, D-PE-30A, D-PE-30B	2@30" RCP, 4 TOTAL SEW
202+13.13 (SR-74 OFF RAMP)	77°40'10.2" RT		23		JB	D-JBS-3	STUB	EXISTING 36" CMP	1@36" RCP, SEE STD D-PB-4 FOR PIPE COLLAR DETAILS
TOTALS		60	23						

SIDE DRAIN TABULATION

STATION	LOCATION			DESCRIPTION	SURFACE WIDTH FT.	SKEW	RCP CLASS III (L.F.) FILL HEIGHT ≤ 16 FT.			RCP CLASS IV (L.F.) FILL HEIGHT >16 TO* ≤ 24 FT.				END TREATMENT				REMARKS
														INLET		OUTLET		
		LT.	RT.				30"	36"	38"X24"	18"	30"	36"	42"	TYPE	DRAWING NO.	TYPE	DRAWING NO.	
127+44.74	SR-74	X		BUS. ENT. 2@30" RCP	30	90°								6:1 SEW	D-SEW-1A, D-PE-30A, D-PE-30B	6:1 SEW	D-SEW-1A, D-PE-30A, D-PE-30B	4 TOTAL SEW
137+04.21	BUS. ENT.		X	1@38"X24" HERCP		94°03'4.9" RT			58					PEW	D-PEW-4	PEW	D-PEW-1	1@38"X24" HERCP, SEE STD. DWG. D-PE-5 FOR OVAL INSTALLATION
TOTALS									58		420							

*FOR LESS THAN 1 FOOT OF MINIMUM COVER

CROSS DRAIN ENDWALLS

LOCATION	STATION	OFFSET (FT.)	SKEW	CODE	TYPE	STANDARD DRAWING NO.	RIP-RAP CLASS "B" 709-05.08 (TON)	SAFETY ENDWALLS (ITEM NO. 611-07.54 THRU 611-07.71 SERIES)							
								30" IN. 4:1 07.61 (EACH)	30" IN. 6:1 07.62 (EACH)	36" IN. 3:1 07.63 (EACH)	36" IN. 4:1 07.64 (EACH)	36" IN. 6:1 07.65 (EACH)	42" IN. 3:1 07.66 (EACH)	42" IN. 4:1 07.67 (EACH)	42" IN. 6:1 07.68 (EACH)
OFFICER ST.	70+51.29	13.88	90°	EW 3	30" RCP	D-SEW-1A, D-PE-30A, D-PE-30B	77		2						
OFFICER ST.	70+51.10	-16	90°	EW 4	30" RCP	D-SEW-1A, D-PE-30A, D-PE-30B			2						
TOTALS							77		4						

SIDE DRAIN ENDWALLS

LOCATION	DRIVE OR ENTRANCE STATION	OFFSET (FT.)	TYPE	STANDARD DRAWING NO.	SKEW	RIP-RAP CLASS "B" 709-05.08 (TON)	RIP-RAP CLASS "C" 709-05.09 (TON)	CLASS A CONC. 611-07.01 (C.Y.)	STEEL BAR REINF. 611-07.02 (LB.)	SAFETY ENDWALLS (ITEM NO. 611-07.30 THRU 611-07.36 SERIES)		
										24 IN. 6:1 07.32 (EACH)	30" IN. 6:1 07.33 (EACH)	36" IN. 6:1 07.34 (EACH)
SR-74 (EW 1)	127+44.74	-30	6:1 SEW	D-SEW-1A, D-PE-30A, D-PE-30B	90°	76					2	
SR-74 (EW 2)	127+44.74	-29.3	6:1 SEW	D-SEW-1A, D-PE-30A, D-PE-30B	90°						2	
SR-74 (EW 5)	136+10.36	-30.47	6:1 SEW	D-SEW-1A, D-PE-36A, D-PE-36B	90°		86					1
SR-74 (EW 6)	136+10.36	-44.55	PEW	D-PEW-1	90°			3.9	147			
BUS. ENT. (EW 7)	137+04.21	-21.58	38"x24" HERCP	D-PEW-1	87°02'55.3"	74		2.6	96			
BUS. ENT. (EW 8)	137+04.21	20.92	38"x24" HERCP	D-PEW-4	88°22'54.4"			2.2	71			
TOTALS						150	86	8.7	314		4	1

CATCH BASINS

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE ELEV.	INVERT ELEV.	DEPTH (FT.)	INSIDE DIM.	STANDARD DRAWING NO.	PAY ITEMS TYPE 42 C.B. 611-42.02
4B	SR-74	135+47.87	-27.47	CB 1	911.02	905.46'	5.56'	5'	D-CB-42RB	1
TOTALS										1

JUNCTION BOX

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/ TOP ELEV.	INVERT ELEV.	DEPTH (FT.)	INSIDE DIM.	STANDARD DRAWING NO.	PAY ITEM DETENTION POND OUTLET STRUCTURE 209-20.20 EA.
5B	SR-74 OFF RAMP	202+38.24	63.79	JB 1	914.95'	907.95'	7'	5'2"X5'2"	D-JBS-3	1
TOTALS										1

STORM DRAINAGE PIPES

SHEET NO.	INLET		OUTLET		%	REINFORCED CONCRETE PIPE - CLASS, ITEM NO., CLASS IV 607-07.03 36"
	CODE NO.	OUTLET ELEV.	CODE NO.	INLET ELEV.	GRADE	
4B	CB1	905.46	EW5	904.35	0.83%	133'
4B,5B	EW6	908.74	CB1	905.46	3.69%	89'
TOTALS						222'

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6-13-25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P-I-H	2025	06S074-S3-003	2F1
PS&E	2025	06S074-S3-003	2F1

ESTIMATED GRADING QUANTITIES

DESCRIPTION	UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)
	EXC.	EMB.	EXC.
MAINLINE			
SIDE ROADS			
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES			
INDEPENDENT DITCHES			
TEMPORARY CONSTRUCTION EXITS	8		7
OTHER (BRIDGE EXCAVATION, PAVEMENT, ETC...)			
DETENTION POND **	25925	142	20740
TOPSOIL (EMB.)			
TOPSOIL (EXC.)	2163		
TOPSOIL TOTALS (SEE TOPSOIL TABLE)			

ROCK (C.Y.)		TOTALS (C.Y.)				
EXC.	EMB.	EXC. (UNCL.)	EMB. (UNCL.)	EXC (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
0	0	28096	142	28096	25933	20747

BALANCE SUMMARY

*SHRINK = 20 % *SWELL = 20 %

EXC.		EMB.
20747	VS.	-142

AVAILABLE	=	20605
WASTE MATERIAL	=	24726

*SHRINK AND SWELL VALUES ARE BASED ON DESIGN GUIDELINES TABLE 2-5

**DETENTION POND QUANTITIES DETERMINED FROM TERRAIN VOLUMES

PAVEMENT QUANTITIES

LOCATION (ROADWAY)	TYPE - GRADE - PAY ITEM (TON)						
	MINERAL AGG.		BITUMINOUS PLANT MIX BASE (HOT MIX)	TACK COAT	PRIME COAT		ASPHALTIC CONCRETE SURFACE (HOT MIX)
	D	D	B-M2				D
	303-01	303-10.01	307-01.08	403-01	402-01	402-02	411-01.10
OFFICER ST		96.0	22.0	0.05	0.30	1.20	7.0
PICKENS ST		95.0	21.0	0.05	0.30	1.20	7.0
PRIVATE DRIVEWAY	8.0						3.0
BUSINESS ENTRANCES	163.0		72.0				49.0
TOTALS	171.0	191.0	115.0	0.1	0.6	2.4	66.0

PVC PIPE LINERS

ROADWAY	STATION FROM	STATION TO	SIDE	36" FOLDED PVC PIPE LINER 607-67.13 L.F.	24" FOLDED PVC PIPE LINER 607-67.11 L.F.
SR-74	131+41.13	136+37.06	RT.	483.0	
SR-74	130+07.91	130+32.93	LT.	32.0	
SR-74	137+74.75	138+77.87	RT.		142.0
SR-74	137+82.41	138+76.62	RT.	92.0	
TOTALS				607.0	142.0

NOTE: 36" FOLDED PVC LINER IS EQUIVALENT SIZE FOR 36" X 23" PVC LINER.
QUANTITIES FOR 36" X 23" PVC LINER ARE INCLUDED AS CIRCULAR 36" PVC LINER.

REMOVAL OF PIPES

SHEET NO.	STATION	LOCATION	DESCRIPTION	REMARKS
4	127+44.74	SR-74 LT.	BUS. ENT.	232' OF 24" CMP
4	131+86.36	SR-74 LT.	OFFICER ST.	30' OF 36" RCP
4	134+21.11	SR-74 LT.	PVT. DR.	16' OF 26" RCP
4	134+56.22	SR-74 LT.	PICKENS ST.	27' OF 24" RCP
4	135+22.24	SR-74 LT.	CLOSED SYSTEM	106' OF 24" CMP
5	136+07.72	SR-74 LT.	CLOSED SYSTEM	63' OF 36" CMP
5	136+91.91	SR-74 LT.	BUS. ENT.	59' OF 36" CMP
5	137+61.96	SR-74 LT.	BROOMFIELD RD.	42' OF 18" CMP
5	137+62.53	SR-74 LT.	BROOMFIELD RD.	41' OF 24" CMP

REMOVAL OF STRUCTURES

SHEET NO.	STATION	LOCATION	DESCRIPTION	REMARKS
4	134+68.92	SR-74 LT.	CATCH BASIN	
4	135+76.26	SR-74 LT.	CATCH BASIN	

TOPSOIL

IF EXISTING TOPSOIL IS SUITABLE FOR REUSE

PROPOSED SLOPE AREA S.F.	EXISTING TOPSOIL (EXC.)	EXISTING TOPSOIL (EMB.)	EXISTING TOPSOIL (TOTAL) C.Y.	REQUIRED TOPSOIL C.Y.	PLACING TOPSOIL 203-04 C.Y.	FURNISHED TOPSOIL 203-07 C.Y.	EXCESS TOPSOIL C.Y.
93261	2163	0	2163	1400	1400	0	763

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DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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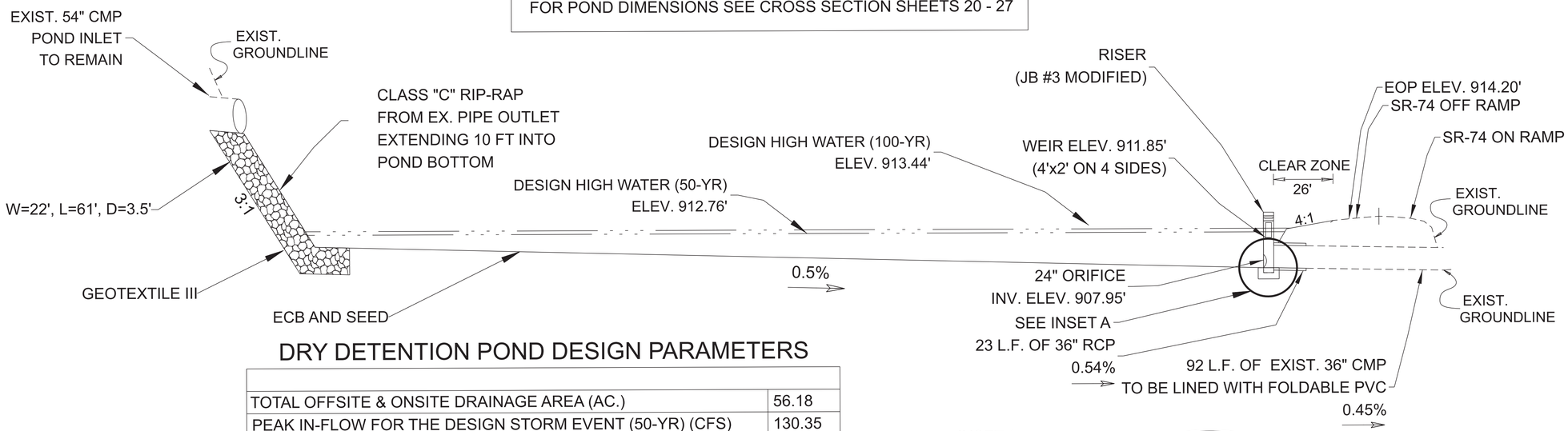
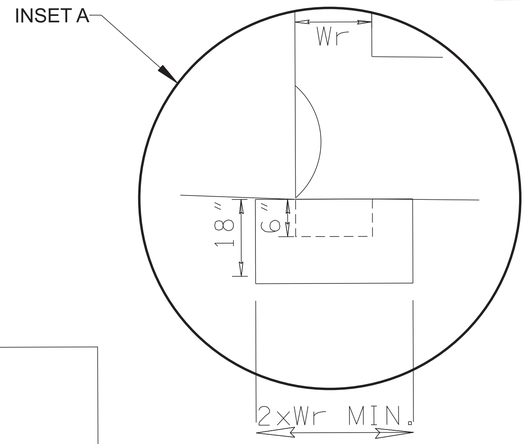
TYPE	YEAR	PROJECT NO.	SHEET NO.
P-I-H	2025	06S074-S3-003	2G
PS&E	2025	06S074-S3-003	2G

FOR POND DIMENSIONS SEE CROSS SECTION SHEETS 20 - 27

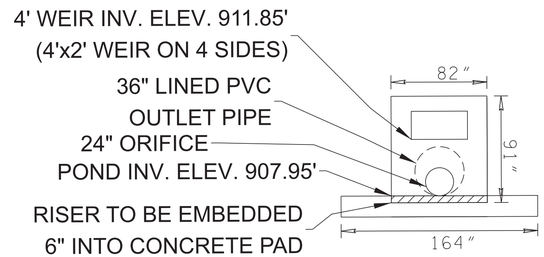


DRY DETENTION POND DESIGN PARAMETERS

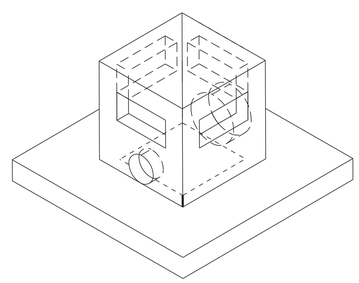
TOTAL OFFSITE & ONSITE DRAINAGE AREA (AC.)	56.18
PEAK IN-FLOW FOR THE DESIGN STORM EVENT (50-YR) (CFS)	130.35
PEAK OUT-FLOW FOR THE DESIGN STORM EVENT (50-YR) (CFS)	43.53
PEAK IN-FLOW FOR THE DESIGN STORM EVENT (100-YR) (CFS)	160.20
PEAK OUT-FLOW FOR THE DESIGN STORM EVENT (100-YR)(CFS)	50.97
DESIGN STORAGE ELEVATION (50-YR)	912.76'
DESIGN STORAGE VOLUME (50-YR) (AC.-FT.)	3.451
DESIGN STORAGE ELEVATION (100-YR)	913.44'
DESIGN STORAGE VOLUME (100-YR) (AC.-FT.)	4.254'
POND TOP OF BANK ELEVATION	914.00'
POND OUTLET ELEVATION	907.95'
POND FORESLOPE FROM SR-74	3:1
POND BACKSLOPE FROM SR-74	2:1



*Wr = RISER WIDTH



ELEVATION VIEW



3D ISOMETRIC VIEW

MODIFIED RISER
5'2" x 5'2" SQUARE CONCRETE
NO. 3 JUNCTION BOX (JB 1)
OR EQUIVALENT*

TO BE PAID FOR UNDER ITEM 209-20.20
DETENTION POND OUTLET STRUCTURE EACH

* BEFORE AN ALTERNATE STRUCTURE CAN BE UTILIZED ON THE PROJECT, THE CONTRACTOR MUST PROVIDE AN ENGINEERING STUDY THAT SHOWS THE PROPOSED ALTERNATE STRUCTURE PROVIDES EQUAL OR BETTER HYDRAULIC/FLOW PERFORMANCE TO THE PROPOSED STRUCTURE SPECIFIED IN THE PLANS. THE COMPARISON SHALL BE DEEMED ACCEPTABLE BY TDOT BEFORE THE ALTERNATE STRUCTURE CAN BE UTILIZED ON THE PROJECT.

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DETAIL
SHEETS

N.T.S.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	3
P-I-H	2025	06S074-S3-003	3
PS&E	2025	06S074-S3-003	3

UTILITY

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

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

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

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

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

UTILITY OWNERS

CABLE & TELEPHONE:
BELLSOUTH DBA AT&T
300 MARTIN LUTHER KING BLVD, 5TH FLOOR
CHATTANOOGA, TN 37403
CONTACT: JOE PERREL
PHONE: (423) 266-1566
Email: jp1389@att.com

ELECTRIC:
CLEVLAND UTILITIES
PO BOX 2730
CLEVELAND, TN 37311
CONTACT: JIMMY ISOM
PHONE: (423) 472-4521
Email: jisom@clevelandtilities.com

GAS:
CHATTANOOGA GAS COMPANY
PO BOX 4569
ATLANTA, GA 30302
CONTACT: BRANDON STEPHENS
PHONE: (404) 584-3915
Email: bstephens@southernco.com

WATER:
OCOEE UTILITY DISTRICT
PO BOX 305
OCOEE, TN 37361
CONTACT: TIM LAWSON
PHONE: (423) 599-8505
Email: timoud@bellsouth.net

WATER:
CLEVELAND UTILITIES
PO BOX 2730
CLEVELAND, TN 37320
CONTACT: JON SPARKMAN
PHONE: (423) 472-4521
Email: jsparkman@clevelandutilites.com

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REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 121197
STATE OF TENNESSEE

6-13-25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY NOTES
AND UTILITY OWNERS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	3A
P-I-H	2025	06S074-S3-003	3A
PS&E	2025	06S074-S3-003	3A

R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (ACRES)		
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERMANENT DRAINAGE	SLOPE	CONSTRUCTION
				BOOK	PAGE											
16	287 & ENSIGN SELF STORAGE, LP	066G/G	1	2806	942		3.029	3.029					3.029			
20	JOSHUA CALEB HOWARD	066G/O	6	2848	28	0.416		0.416				0.416				
21	JOSHUA CALEB HOWARD	066G/O	5	2945	644	1.432		1.432				1.432				
22	ALVIN CALHOUN	066G/O	4	2411	337	0.768		0.768				0.768				
23	RICKY H. CHASTAIN AND JOHN B. STROUD	066A/E	28	1490	320		1.010	1.010					1.010			
24	BRADLEY J. HUTTENHOFF, TRUSTEE	066G/O	3.01	378	76	1.143		1.143				1.143				
25	HANK W. WILSON, UNMARRIED	066A/E	26	1917	336		0.466	0.466					0.466			
26	ALVIN CALHOUN	066G/O	2	2411	337	1.772		1.772				1.772				
27	DBJ REALTY, LLC.	066A/E	27	1460	433		2.923	2.923					2.923			
28	LOUIS E. MAROON AND WIFE, WYLENE N. MAROON	066H/C	4	240	113	1.049		1.049				1.049				
29	DENNIS DOYLE STAFFORD	066H/C	3	353	687	0.447		0.447				0.447				
30	DBJ REALTY, LLC.	066A/D	1	1460	433		0.668	0.668					0.668			
31	B & J PROPERTIES. L.P.	066H/C	1	2776	316	1.303		1.303				1.303				
32	MARATHON REALTY CORP.	066H/F	10	2946	871	7.523		7.523				7.523				
33	ERNEST STAFFORD, JR. AND WIFE, CHARLOTTE STAFFORD	066H/F	9	1356	458	6.126		6.126				6.126				
34	BRADLEY COUNTY, TENNESSEE	066H/H	8	105	533	0.128		0.128				0.128				
35	EUGENE DUGGAN AND WIFE, MARGARET L. DUGGAN	066G/M	10	131	361		4.642	4.642					4.642			
ACQUISITION TOTALS (ACRES)																

DISTURBED AREA

IN BETWEEN SLOPE LINES	2.1	(AC)
15 FOOT WIDE STRIP (OUT SIDE SLOPE LINES)	.91	(AC)
TOTAL DISTURBED AREA	3.01	(AC)
TOTAL PROJECT AREA	10.98	(AC)

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RIGHT-OF-WAY
ACQUISITION
TABLE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	3B
P-I-H	2025	06S074-S3-003	3B
PS&E	2025	06S074-S3-003	3B

BEGIN R.O.W. (Utilities Only) PROJECT NO. 06S074-S2-003
STA. 125+00.00
N 291894.8905' E 2311061.8031'

BEGIN CONSTRUCTION PROJECT NO. 06S074-S3-003
STA. 126+68.89
N 291965.7603 E 2310908.5017

STA. 131+88.07 SR-74 (Spring Place Rd)=
STA. 70+80.10 Officer St
N 292187.8458 E 2310439.3086

STA. 134+60.09 SR-74 (Spring Place Rd)=
STA. 80+98.46 Pickens St
N 292333.9787 E 2310210.1215

STA. 137+79.25 SR-74 (Spring Place Rd)=
STA. 101+80.29 Broomfield Rd
N 292537.6272 E 2309964.6114

STA. 140+27.88 SR-74 (Spring Place Rd)=
STA. 200+00.00 SR-74 Off Ramp
N 292715.3413 E 2309790.8500

END R.O.W. (Utilities Only) PROJECT NO. 06S074-S2-003
STA. 149+00.00
N 293357.3059 E 2309201.6060

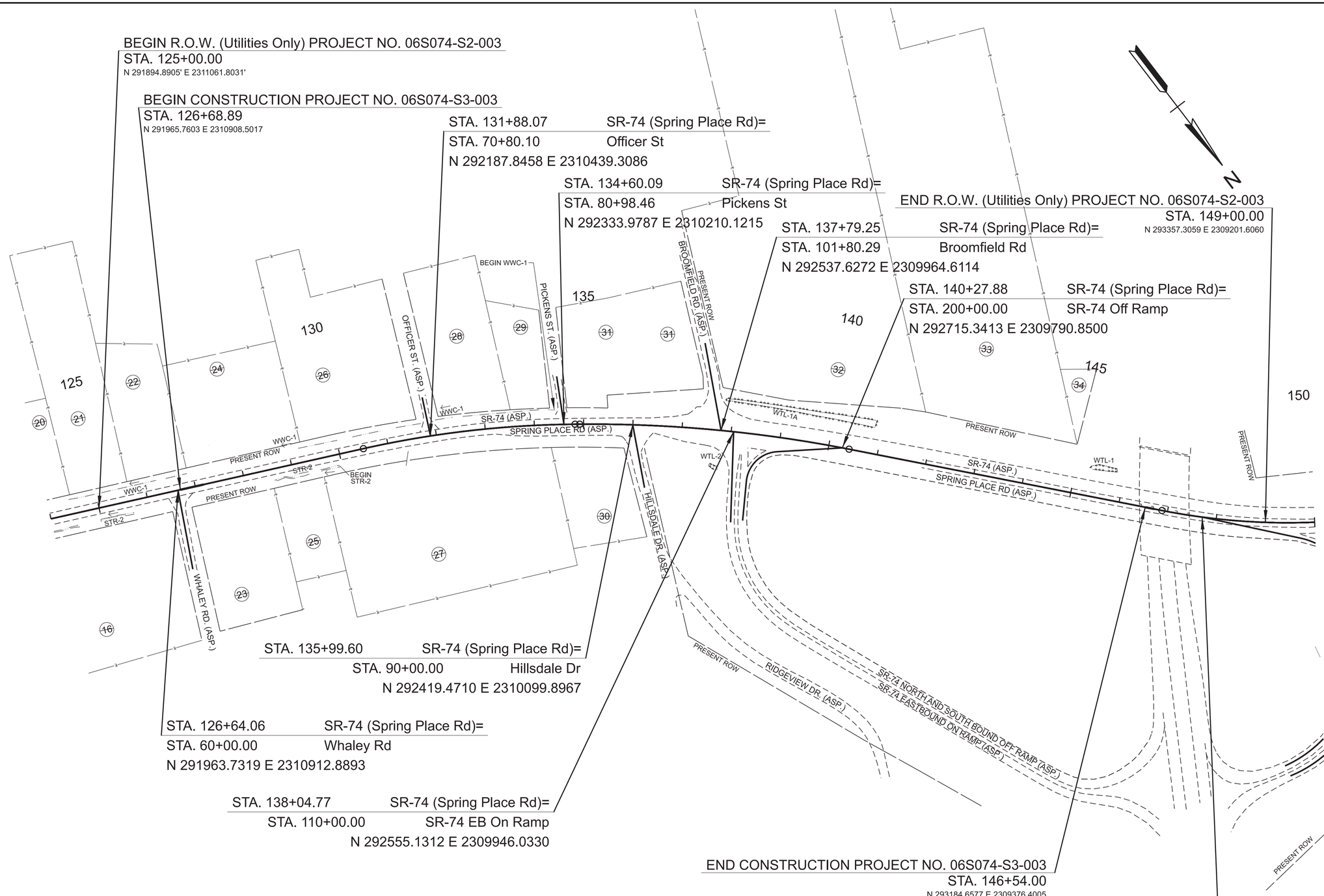
STA. 135+99.60 SR-74 (Spring Place Rd)=
STA. 90+00.00 Hillsdale Dr
N 292419.4710 E 2310099.8967

STA. 126+64.06 SR-74 (Spring Place Rd)=
STA. 60+00.00 Whaley Rd
N 291963.7319 E 2310912.8893

STA. 138+04.77 SR-74 (Spring Place Rd)=
STA. 110+00.00 SR-74 EB On Ramp
N 292555.1312 E 2309946.0330

END CONSTRUCTION PROJECT NO. 06S074-S3-003
STA. 146+54.00
N 293184.6577 E 2309376.4005

STA. 147+71.27 SR-74 (Spring Place Rd)=
STA. 300+00.00 SR-74 WB ON RAMP1
N 293270.8276 E 2309296.8939



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 124+00 TO STA. 150+00.00
SCALE: 1" = 100'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	4
P-I-H	2025	06S074-S3-003	4
PS&E	2025	06S074-S3-003	4

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY WILL OCCUR IN, NOR THAT ANY CONSTRUCTION EQUIPMENT WILL ENTER ANY PORTION OF STR-2 AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMITTED LOCATIONS.

STA. 134+60.09 SR-74 (Spring Place Rd)=
STA. 80+98.46 Pickens St
N 292333.9787 E 2310210.1215

BEGIN R.O.W. (Utilities Only) PROJECT NO. 06S074-S2-003
STA. 125+00.00
N 291894.8905 E 2311061.8031

Pickens St STA. 80+00.00
N 292247.6989
E 2310162.6781

Officer St STA. 70+00.00
N 292115.4431
E 2310405.0434

PC STA. 130+49.52

PT STA. 134+82.62
PC STA. 134+92.00

Whaley Rd STA. 61+62.81
N 292109.0605
E 2310986.2836

STA. 61+62.81
N 292109.0605
E 2310986.2836

BEGIN CONSTRUCTION PROJECT NO. 06S074-S3-003
STA. 126+68.89
N 291965.7603 E 2310908.5017

STA. 126+64.06 SR-74 (Spring Place Rd)=
STA. 60+00.00 Whaley Rd
N 291963.7319 E 2310912.8893

STA. 131+88.07 SR-74 (Spring Place Rd)=
STA. 70+80.10 Officer St
N 292187.8458 E 2310439.3086

SR-74
CURVE 2
PI 132+66.88
N 292216.6905
E 2310365.7039
Δ 12°09'51" RT.
D 02°48'31"
R 2040.00'
L 433.10'
T 217.37'

SEE SHEET NO. 5

MATCH LINE STA. 136+00

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 124+00 TO STA. 136+00.00
SCALE: 1" = 50'

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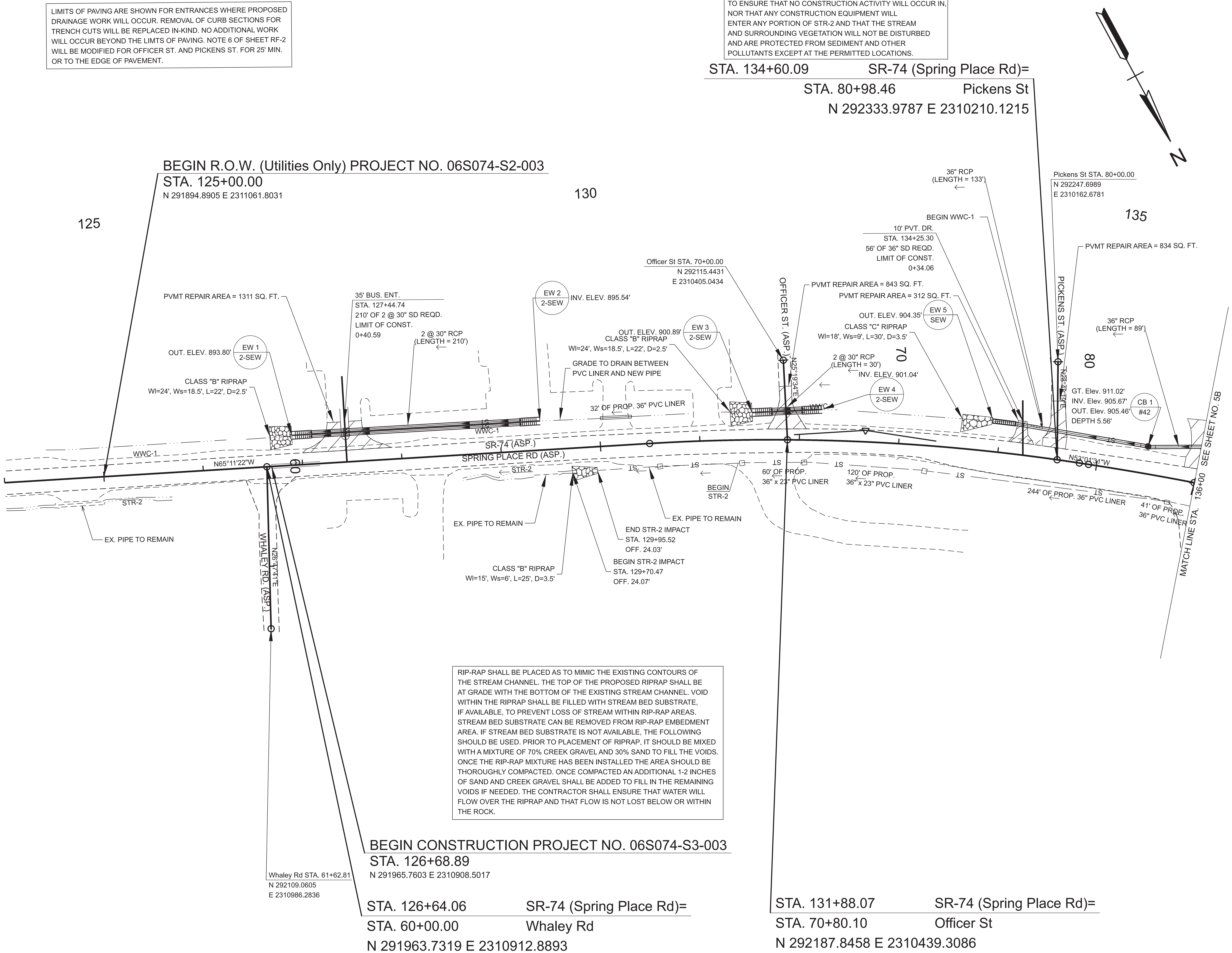
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S4-003	4B
P-I-H	2025	06S074-S3-003	4B
PS&E	2025	06S074-S3-003	4B

LIMITS OF PAVING ARE SHOWN FOR ENTRANCES WHERE PROPOSED DRAINAGE WORK WILL OCCUR. REMOVAL OF CURB SECTIONS FOR TRENCH CUTS WILL BE REPLACED IN-KIND. NO ADDITIONAL WORK WILL OCCUR BEYOND THE LIMTS OF PAVING. NOTE 6 OF SHEET RF-2 WILL BE MODIFIED FOR OFFICER ST. AND PICKENS ST. FOR 25' MIN. OR TO THE EDGE OF PAVEMENT.

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY WILL OCCUR IN, NOR THAT ANY CONSTRUCTION EQUIPMENT WILL ENTER ANY PORTION OF STR-2 AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMITTED LOCATIONS.



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

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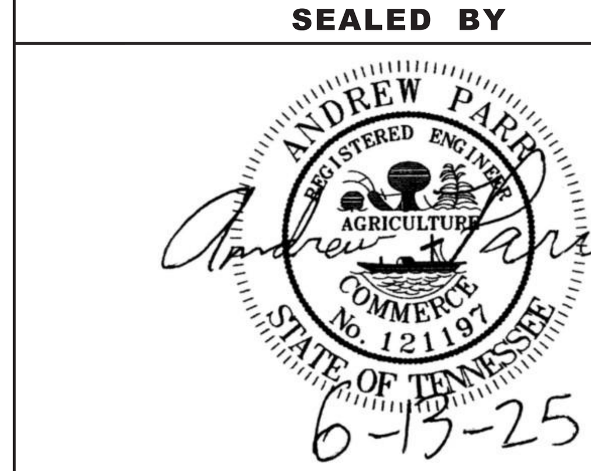

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 124+00 TO STA. 136+00.00
SCALE: 1" = 50'

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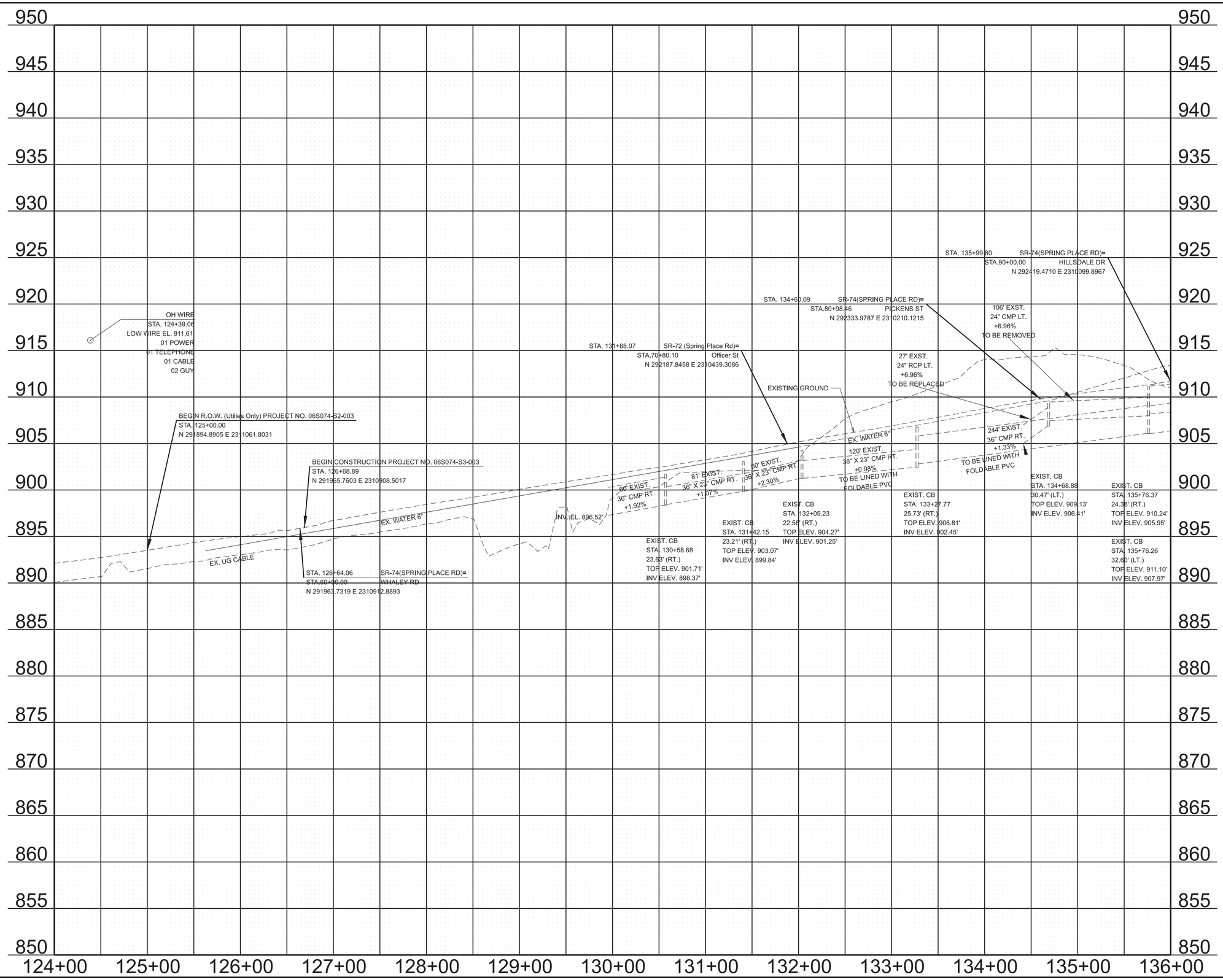
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	4C
P-I-H	2025	06S074-S3-003	4C
PS&E	2025	06S074-S3-003	4C



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COMMERCE
No. 121197
STATE OF TENNESSEE

6-13-25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 124+00 TO STA. 136+00

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

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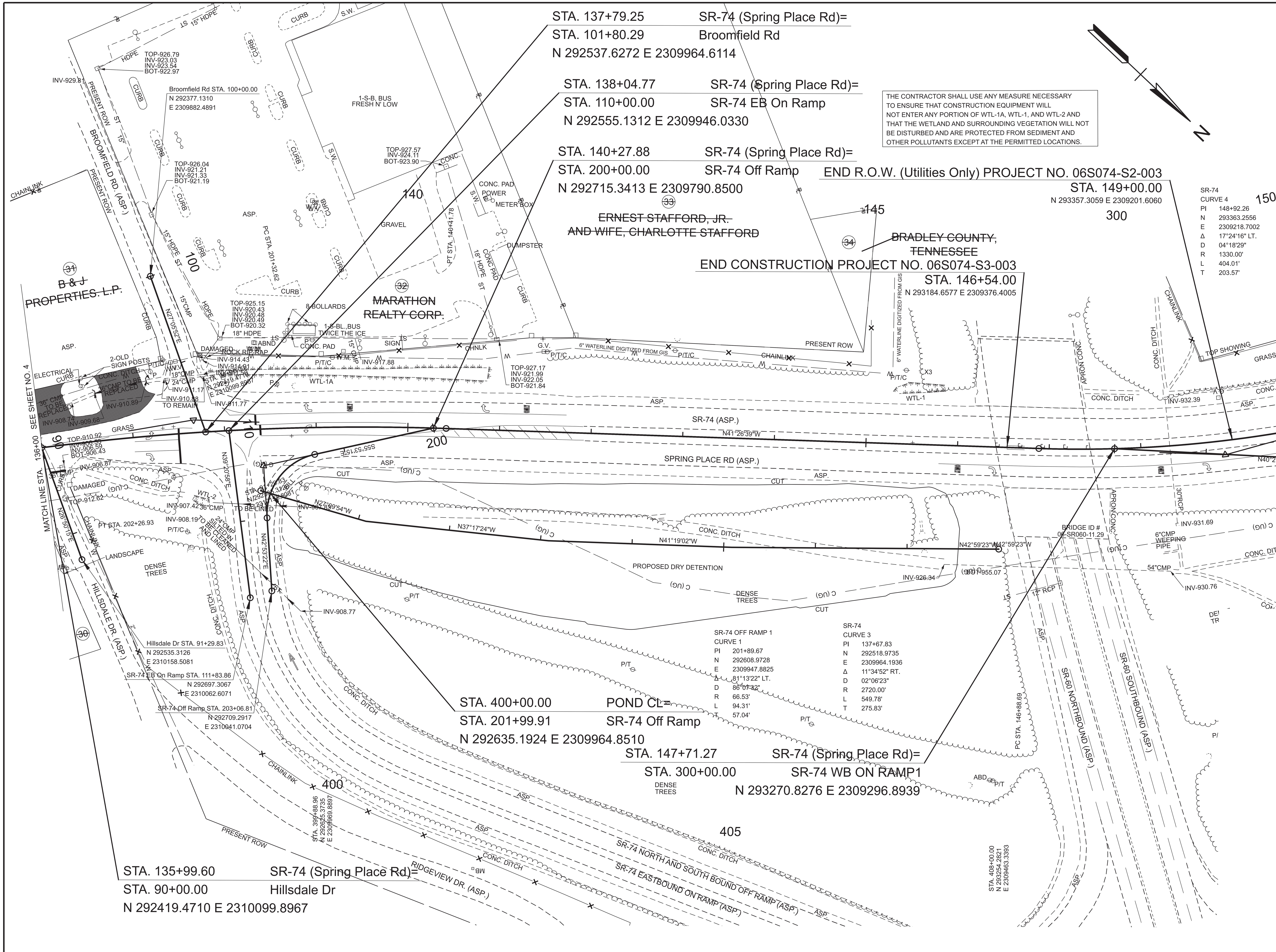
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	5
P-I-H	2025	06S074-S3-003	5
PS&E	2025	06S074-S3-003	5



STA. 137+79.25 SR-74 (Spring Place Rd)=
STA. 101+80.29 Broomfield Rd
N 292537.6272 E 2309964.6114
STA. 138+04.77 SR-74 (Spring Place Rd)=
STA. 110+00.00 SR-74 EB On Ramp
N 292555.1312 E 2309946.0330
STA. 140+27.88 SR-74 (Spring Place Rd)=
STA. 200+00.00 SR-74 Off Ramp
N 292715.3413 E 2309790.8500
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF WTL-1A, WTL-1, AND WTL-2 AND THAT THE WETLAND AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMITTED LOCATIONS.
END R.O.W. (Utilities Only) PROJECT NO. 06S074-S2-003
STA. 149+00.00
N 293357.3059 E 2309201.6060
END CONSTRUCTION PROJECT NO. 06S074-S3-003
STA. 146+54.00
N 293184.6577 E 2309376.4005
ERNEST STAFFORD, JR. AND WIFE, CHARLOTTE STAFFORD
BRADLEY COUNTY, TENNESSEE
MARATHON REALTY CORP.
B & J PROPERTIES, L.P.
SR-74 CURVE 4
PI 148+92.26
N 293363.2556
E 2309218.7002
Δ 17°24'16" LT.
D 04°18'29"
R 1330.00'
L 404.01'
T 203.57'
BROOMFIELD RD. (ASP.)
SR-74 (ASP.)
SPRING PLACE RD (ASP.)
PROPOSED DRY DETENTION
HILLSDALE DR. (ASP.)
RIDGEVIEW DR. (ASP.)
SR-74 NORTH AND SOUTH BOUND OFF RAMP (ASP.)
SR-74 EASTBOUND ON RAMP (ASP.)
SR-60 NORTHBOUND (ASP.)
SR-60 SOUTHBOUND (ASP.)
MATCH LINE STA. 136+00
SEE SHEET NO. 4
SR-74 OFF RAMP 1 CURVE 1
PI 201+89.67
N 292608.9728
E 2309947.8825
Δ 81°13'22" LT.
D 86°07'32"
R 66.53'
L 94.31'
T 57.04'
SR-74 CURVE 3
PI 137+67.83
N 292518.9735
E 2309964.1936
Δ 11°34'52" RT.
D 02°06'23"
R 2720.00'
L 549.78'
T 275.83'
STA. 400+00.00 POND CL=
STA. 201+99.91 SR-74 Off Ramp
N 292635.1924 E 2309964.8510
STA. 147+71.27 SR-74 (Spring Place Rd)=
STA. 300+00.00 SR-74 WB ON RAMP1
N 293270.8276 E 2309296.8939
STA. 135+99.60 SR-74 (Spring Place Rd)=
STA. 90+00.00 Hillsdale Dr
N 292419.4710 E 2310099.8967

SEALED BY

ANDREW PARK, REGISTERED ENGINEER, AGRICULTURE COMMERCE, No. 121197, STATE OF TENNESSEE

6-13-25

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 136+00 TO STA. 150+00.00
SCALE: 1" = 50'

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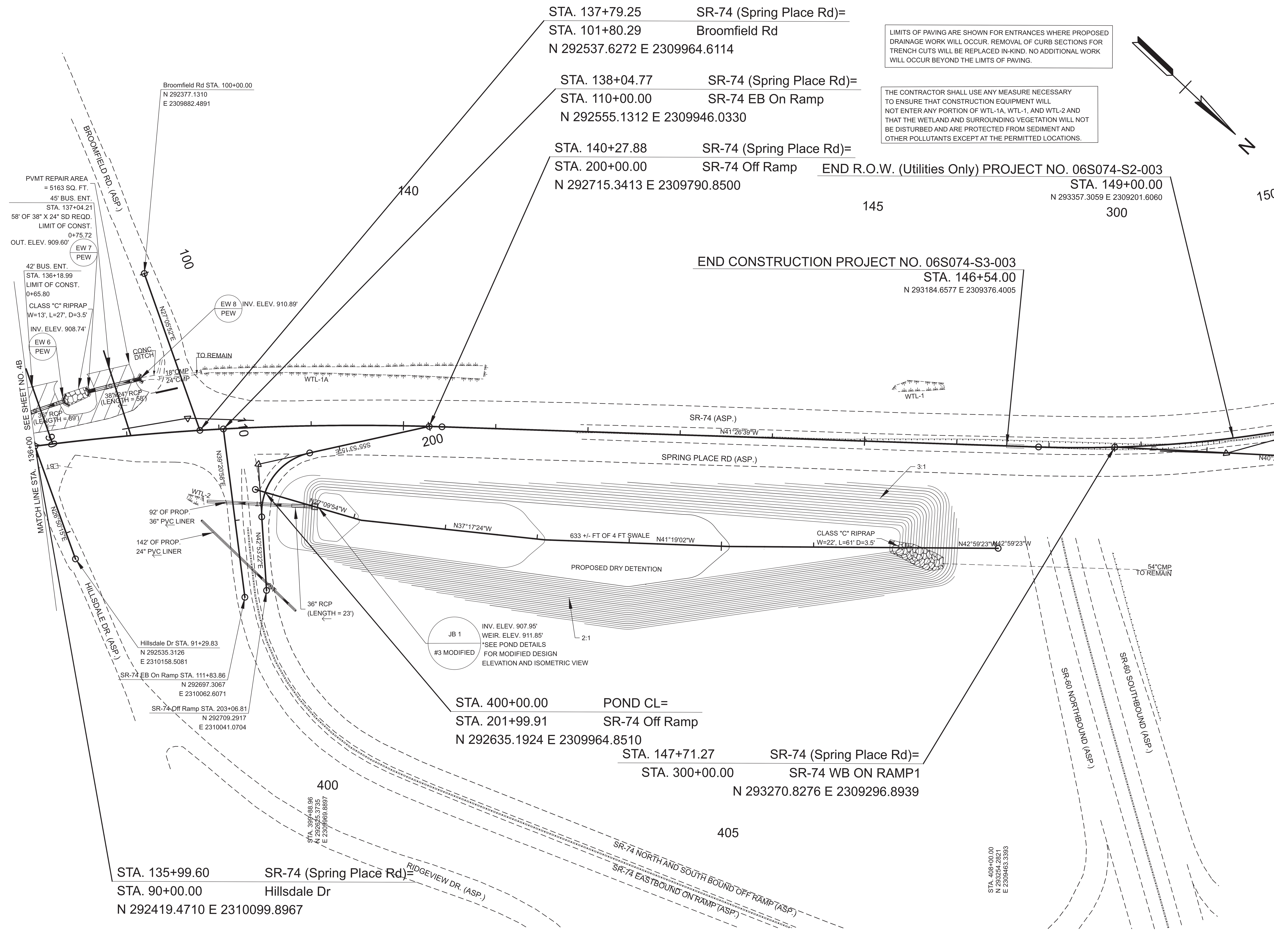
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	5B
P-I-H	2025	06S074-S3-003	5B
PS&E	2025	06S074-S3-003	5B

LIMITS OF PAVING ARE SHOWN FOR ENTRANCES WHERE PROPOSED DRAINAGE WORK WILL OCCUR. REMOVAL OF CURB SECTIONS FOR TRENCH CUTS WILL BE REPLACED IN-KIND. NO ADDITIONAL WORK WILL OCCUR BEYOND THE LIMTS OF PAVING.

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF WTL-1A, WTL-1, AND WTL-2 AND THAT THE WETLAND AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMITTED LOCATIONS.



STA. 137+79.25 SR-74 (Spring Place Rd)=
STA. 101+80.29 Broomfield Rd
N 292537.6272 E 2309964.6114
STA. 138+04.77 SR-74 (Spring Place Rd)=
STA. 110+00.00 SR-74 EB On Ramp
N 292555.1312 E 2309946.0330
STA. 140+27.88 SR-74 (Spring Place Rd)=
STA. 200+00.00 SR-74 Off Ramp
N 292715.3413 E 2309790.8500
END R.O.W. (Utilities Only) PROJECT NO. 06S074-S2-003
STA. 149+00.00
N 293357.3059 E 2309201.6060
END CONSTRUCTION PROJECT NO. 06S074-S3-003
STA. 146+54.00
N 293184.6577 E 2309376.4005
N
Broomfield Rd STA. 100+00.00
N 292377.1310
E 2309882.4891
BROOMFIELD RD. (ASP.)
PVMT REPAIR AREA = 5163 SQ. FT.
45' BUS. ENT.
STA. 137+04.21
58' OF 38" X 24" SD REQD.
LIMIT OF CONST.
0+75.72
OUT. ELEV. 909.60'
EW 7
PEW
42' BUS. ENT.
STA. 136+18.99
LIMIT OF CONST.
0+65.80
CLASS "C" RIPRAP
W=13', L=27', D=3.5'
INV. ELEV. 908.74'
EW 6
PEW
EW 8
PEW
INV. ELEV. 910.89'
N27°05'52"E
CONC. DITCH
TO REMAIN
18" CMP
24" CMP
38"X24" RCP (LENGTH = 58')
36" RCP (LENGTH = 89')
WTL-1A
WTL-1
140
145
150
300
100
110
200
SR-74 (ASP.)
N41°26'39"W
SPRING PLACE RD (ASP.)
N40°27'09"W
S55°53'15"E
3:1
SEE SHEET NO. 4B
MATCH LINE STA. 136+00
N26°50'15"E
N39°20'58"E
N42°53'22"E
WTL-2
92' OF PROP. 36" PVC LINER
142' OF PROP. 24" PVC LINER
N27°09'54"W
N37°17'24"W
633 +/- FT OF 4 FT SWALE
N41°19'02"W
CLASS "C" RIPRAP
W=22', L=61' D=3.5'
N42°59'23"W
N42°59'23"W
54"CMP TO REMAIN
PROPOSED DRY DETENTION
36" RCP (LENGTH = 23')
JB 1
#3 MODIFIED
INV. ELEV. 907.95'
WEIR. ELEV. 911.85'
*SEE POND DETAILS FOR MODIFIED DESIGN ELEVATION AND ISOMETRIC VIEW
2:1
HILLSDALE DR. (ASP.)
Hillsdale Dr STA. 91+29.83
N 292535.3126
E 2310158.5081
SR-74 EB On Ramp STA. 111+83.86
N 292697.3067
E 2310062.6071
SR-74 Off Ramp STA. 203+06.81
N 292709.2917
E 2310041.0704
STA. 400+00.00 POND CL=
STA. 201+99.91 SR-74 Off Ramp
N 292635.1924 E 2309964.8510
STA. 147+71.27 SR-74 (Spring Place Rd)=
STA. 300+00.00 SR-74 WB ON RAMP1
N 293270.8276 E 2309296.8939
SR-60 NORTHBOUND (ASP.)
SR-60 SOUTHBOUND (ASP.)
400
405
STA. 399+88.96
N 292625.3735
E 2309969.8897
STA. 408+00.00
N 293254.2821
E 2309463.3393
SR-74 NORTH AND SOUTH BOUND OFF RAMP (ASP.)
SR-74 EASTBOUND ON RAMP (ASP.)
RIDGEVIEW DR. (ASP.)
STA. 135+99.60 SR-74 (Spring Place Rd)=
STA. 90+00.00 Hillsdale Dr
N 292419.4710 E 2310099.8967

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ANDREW PARR
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 121197
STATE OF TENNESSEE
6-13-25

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 136+00 TO STA. 150+00.00
SCALE: 1" = 50'

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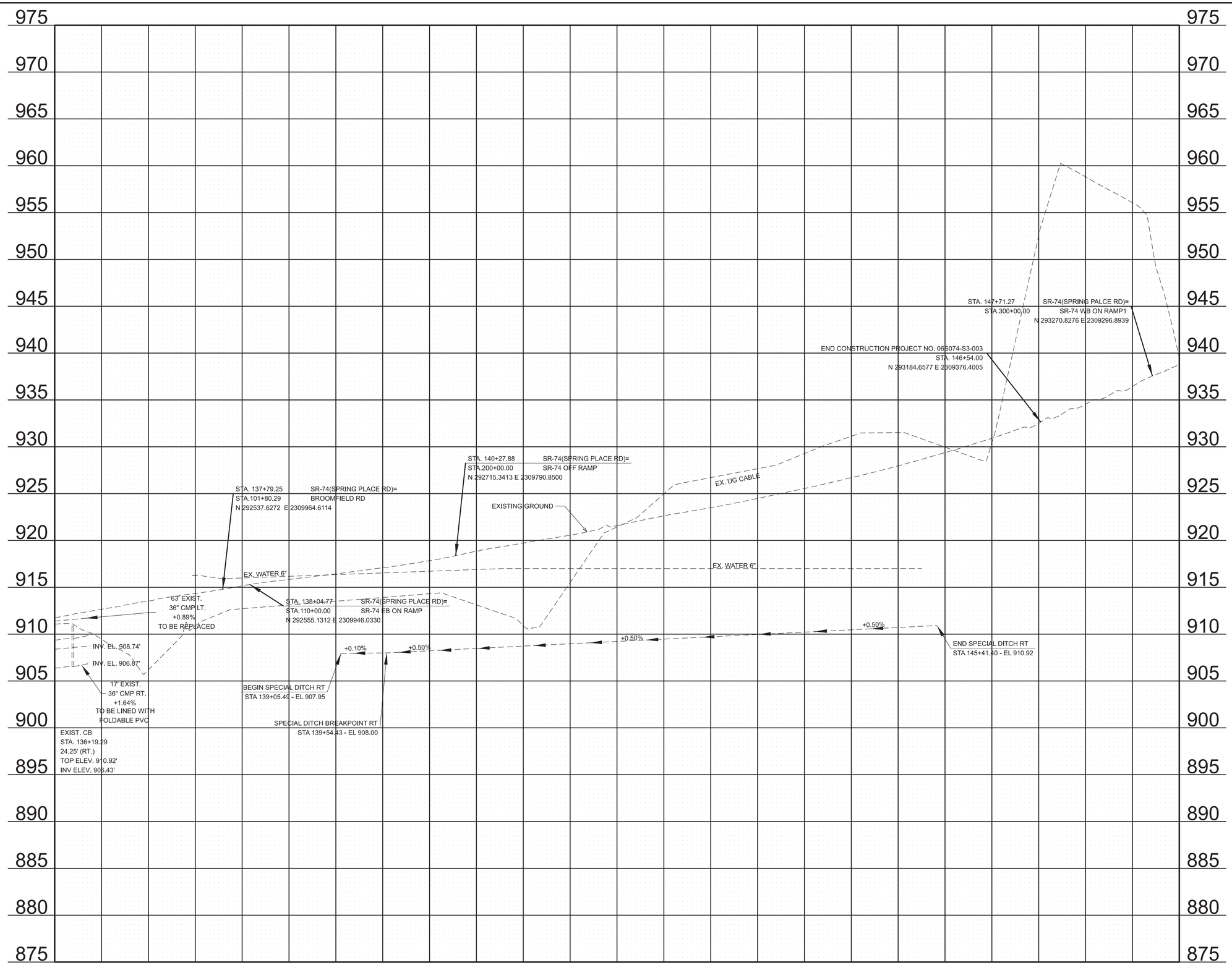
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	5C
P-I-H	2025	06S074-S3-003	5C
PS&E	2025	06S074-S3-003	5C



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ANDREW PARR
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 121197
STATE OF TENNESSEE
6-13-25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 136+00 TO STA. 148+00

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

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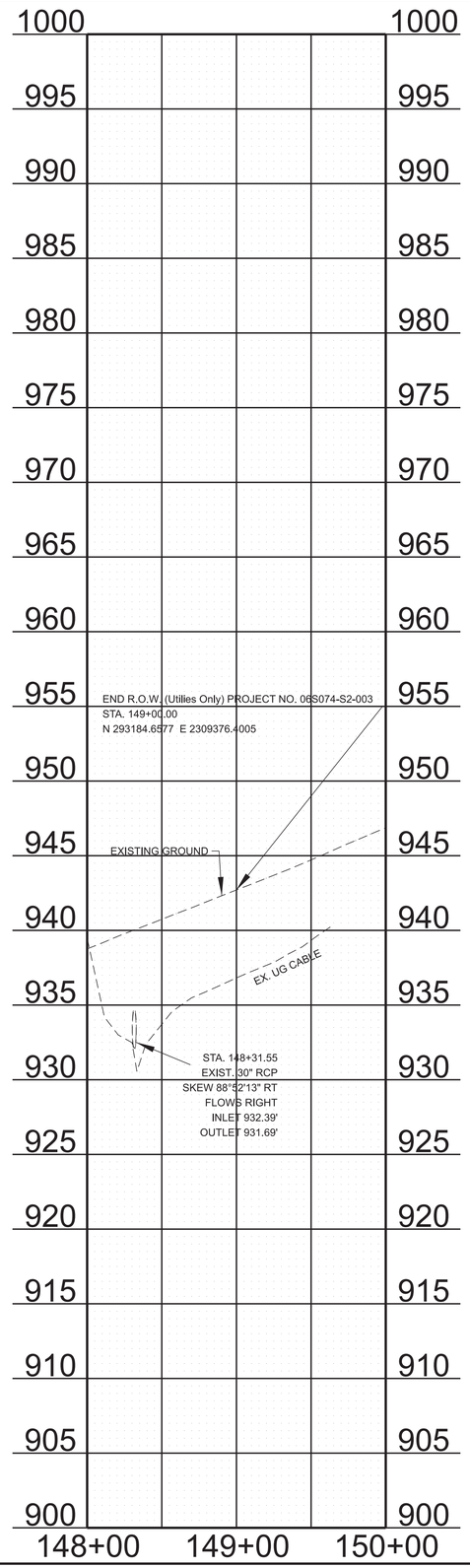

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	5C1
P-I-H	2025	06S074-S3-003	5C1
PS&E	2025	06S074-S3-003	5C1

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REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 121197
STATE OF TENNESSEE

6-13-25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 148+00 TO STA. 150+00

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

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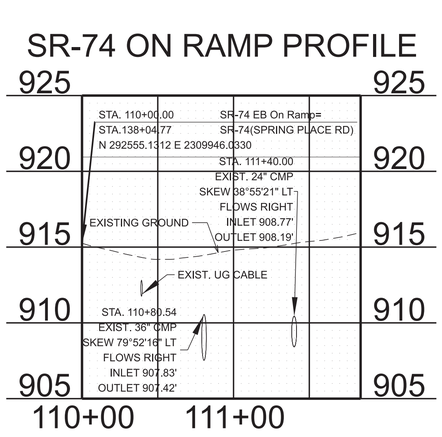
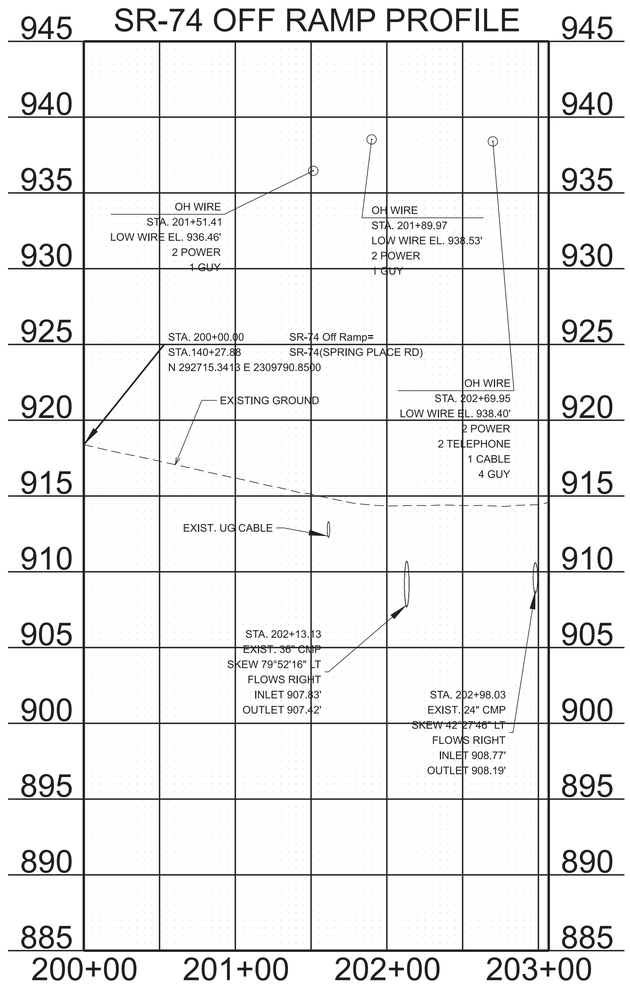
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	6
P-I-H	2025	06S074-S3-003	6
PS&E	2025	06S074-S3-003	6

SR-74 ON RAMP PROFILE



SR-74 OFF RAMP PROFILE



PIPE CULVERT N & S ON AND E OFF BOUND RAMP RT OF SR-74
STATION: 202 + 13.13
STRUCTURE: 23' OF 36" RCP CONNECTION TO PVC LINED CMP

SKEW	90 DEG
DRAINAGE AREA	66.50 AC.
DESIGN DISCHARGE (Q50)	43.53 CFS
DESIGN DISCHARGE (Q100)	50.97 CFS
OVERTOPPING	914.08 ELEV.
ALLOWABLE HEADWATER	913.08 ELEV.
Q50 HEADWATER	912.76 ELEV.
Q100 HEADWATER	913.44 ELEV.
VELOCITY (Q50)	6.20 FT/S
VELOCITY (Q100)	7.20 FT/S

ENDWALLS REQUIRED:
STANDARD DRAWING NOS.: D-PB-1, D-JBS-3
QUANTITIES:

CLASS "A" CONCRETE	C.Y.
STEEL BAR REINFORCING	LB.
BEDDING MATERIAL	6.95 C.Y.
ENDWALL ITEM NOS.:	

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ANDREW PARR
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 121197
STATE OF TENNESSEE
6-19-25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED
SR-74 EB ON & OFF RAMP PROFILE

STA. 110+00 TO STA. 111+90
STA. 200+00 TO STA. 203+07
SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

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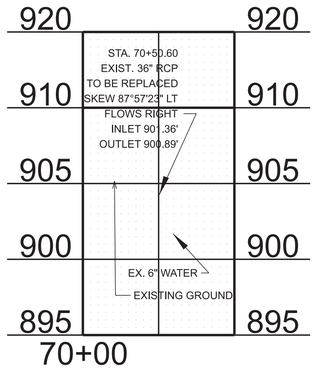
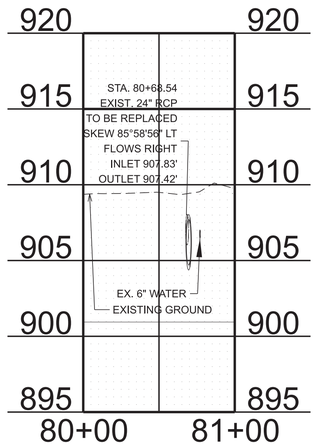
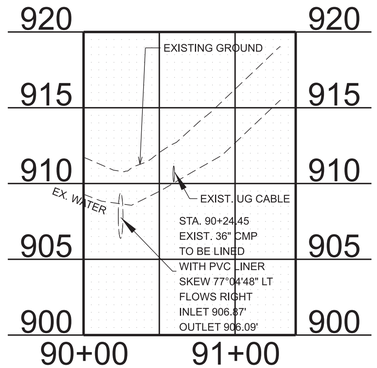
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	7
P-I-H	2025	06S074-S3-003	7
PS&E	2025	06S074-S3-003	7



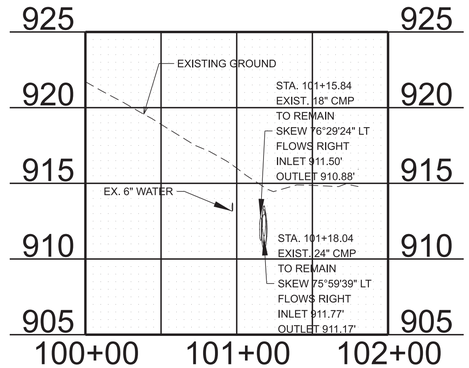
OFFICER ST



PICKENS ST



HILLSDALE DR



BROOMFIELD RD

PIPE CULVERT OFFICER ST LT OF SR-74
STATION: 70 + 51.21
STRUCTURE: 2 @ 30" RCP

SKEW	89 DEG
DRAINAGE AREA	30.02 AC.
DESIGN DISCHARGE (Q50)	45.59 CFS
DESIGN DISCHARGE (Q100)	55.83 CFS
OVERTOPPING	904.68 ELEV.
ALLOWABLE HEADWATER	903.68 ELEV.
Q50 HEADWATER	903.58 ELEV.
Q100 HEADWATER	904.09 ELEV.
VELOCITY (Q50)	6.97 FT/S
VELOCITY (Q100)	7.37 FT/S

ENDWALLS REQUIRED: 4 - 30" SAFETY E.D. ENDWALLS
WITH STEEL PIPE GRATE
STANDARD DRAWING NOS.: D-PB-1 & D-SEW-1A

QUANTITIES:

CLASS "A" CONCRETE	C.Y.
STEEL BAR REINFORCING	LB.
BEDDING MATERIAL	16.98 C.Y.

ENDWALL ITEM NOS.: 611-07.33

PIPE CULVERT PICKENS ST LT OF SR-74
STATION: 80 + 65.74
STRUCTURE: 1 @ 36" RCP

SKEW	82 DEG
DRAINAGE AREA	25.22 AC.
DESIGN DISCHARGE (Q50)	43.77 CFS
DESIGN DISCHARGE (Q100)	53.64 CFS
OVERTOPPING	909.37 ELEV.
ALLOWABLE HEADWATER	908.37 ELEV.
Q50 HEADWATER	909.00 ELEV.
Q100 HEADWATER	909.41 ELEV.
VELOCITY (Q50)	10.64 FT/S
VELOCITY (Q100)	11.07 FT/S

ENDWALLS REQUIRED: 2 - 36" SAFETY E.D. ENDWALLS
WITH STEEL PIPE GRATE
STANDARD DRAWING NOS.: D-PB-1 & D-SEW-1A

QUANTITIES:

CLASS "A" CONCRETE	C.Y.
STEEL BAR REINFORCING	LB.
BEDDING MATERIAL	16.91 C.Y.

ENDWALL ITEM NOS.: 611-07.34

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ANDREW PARR
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 121197
STATE OF TENNESSEE
6-13-25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED
SIDE ROAD
PROFILES

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

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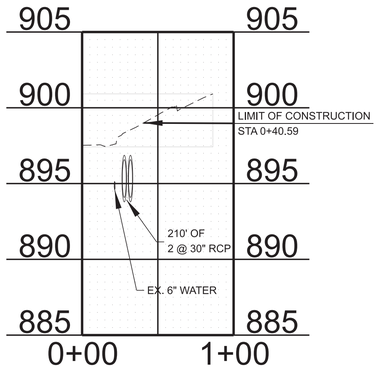
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	8
P-I-H	2025	06S074-S3-003	8
PS&E	2025	06S074-S3-003	8



35' BUS. ENT. LT 127+44.74
TRACT NO. 24
SR-74

PIPE CULVERT BUS. ENT. LT OF SR-74
STATION: 127 + 44.74
STRUCTURE: 2 @ 30" RCP

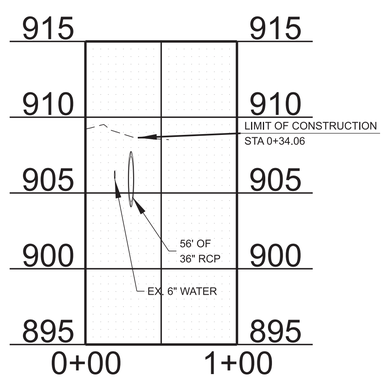
SKEW	90 DEG
DRAINAGE AREA	38.13 AC.
DESIGN DISCHARGE (Q10)	27.34 CFS
DESIGN DISCHARGE (Q50)	47.73 CFS
OVERTOPPING	898.03 ELEV.
ALLOWABLE HEADWATER	898.00 ELEV.
Q10 HEADWATER	897.30 ELEV.
Q50 HEADWATER	897.98 ELEV.
VELOCITY (Q10)	7.45 FT/S
VELOCITY (Q50)	8.54 FT/S

ENDWALLS REQUIRED: 4 - 30" SAFETY E.D. ENDWALLS
WITH STEEL PIPE GRATE
STANDARD DRAWING NOS.: D-PB-1 & D-SEW-1A

QUANTITIES:

CLASS "A" CONCRETE	C.Y.
STEEL BAR REINFORCING	LB.
BEDDING MATERIAL	118.86 C.Y.

ENDWALL ITEM NOS.: 611-07.33



10' PVT. DR. LT 134+25.30
TRACT NO. 29
SR-74

PIPE CULVERT PICKENS ST LT OF SR-74
STATION: 80 + 65.74
STRUCTURE: 1 @ 36" RCP

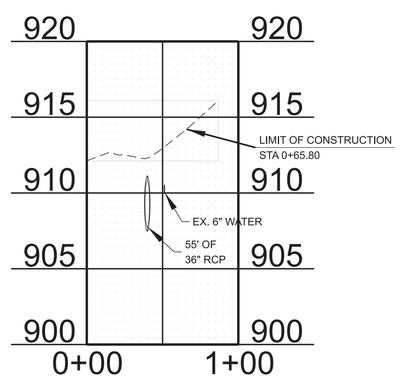
SKEW	82 DEG
DRAINAGE AREA	25.22 AC.
DESIGN DISCHARGE (Q50)	43.77 CFS
DESIGN DISCHARGE (Q100)	53.64 CFS
OVERTOPPING	909.37 ELEV.
ALLOWABLE HEADWATER	908.37 ELEV.
Q50 HEADWATER	909.00 ELEV.
Q100 HEADWATER	909.41 ELEV.
VELOCITY (Q50)	10.64 FT/S
VELOCITY (Q100)	11.07 FT/S

ENDWALLS REQUIRED: 2 - 36" SAFETY E.D. ENDWALLS
WITH STEEL PIPE GRATE
STANDARD DRAWING NOS.: D-PB-1 & D-SEW-1A

QUANTITIES:

CLASS "A" CONCRETE	C.Y.
STEEL BAR REINFORCING	LB.
BEDDING MATERIAL	16.91 C.Y.

ENDWALL ITEM NOS.: 611-07.34



42' BUS. ENT. LT 136+18.99
TRACT NO. 31
SR-74

PIPE CULVERT BUS. ENT. LT OF SR-74
STATION: 136 + 18.99
STRUCTURE: 1 @ 36" RCP

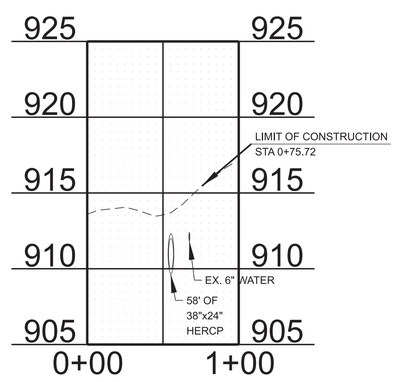
SKEW	90 DEG
DRAINAGE AREA	24.70 AC.
DESIGN DISCHARGE (Q10)	24.82 CFS
DESIGN DISCHARGE (Q50)	43.43 CFS
OVERTOPPING	912.52 ELEV.
ALLOWABLE HEADWATER	911.52 ELEV.
Q10 HEADWATER	911.02 ELEV.
Q50 HEADWATER	911.98 ELEV.
VELOCITY (Q10)	10.74 FT/S
VELOCITY (Q50)	12.12 FT/S

ENDWALLS REQUIRED: 36" SAFETY S.D. ENDWALLS
WITH STEEL PIPE GRATE, 36" PROTETECED ENDWALL 90 DEG.
STANDARD DRAWING NOS.: D-PB-1, D-SEW-1A. D-PEW-1

QUANTITIES:

CLASS "A" CONCRETE	3.89 C.Y.
STEEL BAR REINFORCING	147 LB.
BEDDING MATERIAL	67.04 C.Y.

ENDWALL ITEM NOS.: 611-07.34



45' BUS. ENT. LT 137+04.21
TRACT NO. 31
SR-74

SEALED BY

ANDREW PARR
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 121197
STATE OF TENNESSEE
6-13-25

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.
FUNC.	2024	06S074-S2-003	9
P-I-H	2025	06S074-S3-003	9
PS&E	2025	06S074-S3-003	9

BEGIN R.O.W. (Utilities Only) PROJECT NO. 06S074-S2-003
STA. 125+00
N 291894.8905 E 2311061.8031

STA. 131+88.07 SR-74 (Spring Place Rd SE)2=
STA. 70+80.10 Officer St
N 292187.8458 E 2310439.3086

STA. 134+60.09 SR-74 (Spring Place Rd SE)2=
STA. 80+98.46 Pickens St
N 292333.9787 E 2310210.1215

STA. 137+79.25 SR-74 (Spring Place Rd SE)2=
STA. 101+80.29 Broomfield Rd
N 292537.6272 E 2309964.6114

END R.O.W. (Utilities Only) PROJECT NO. 06S074-S2-003
STA. 149+00.00
N 293357.3059 E 2309201.6060

STA. 147+71.27 SR-74 (Spring Place Rd SE)2=
STA. 33103+30.56 SR-74 WB ON RAMP1
N 293270.8276 E 2309296.8939

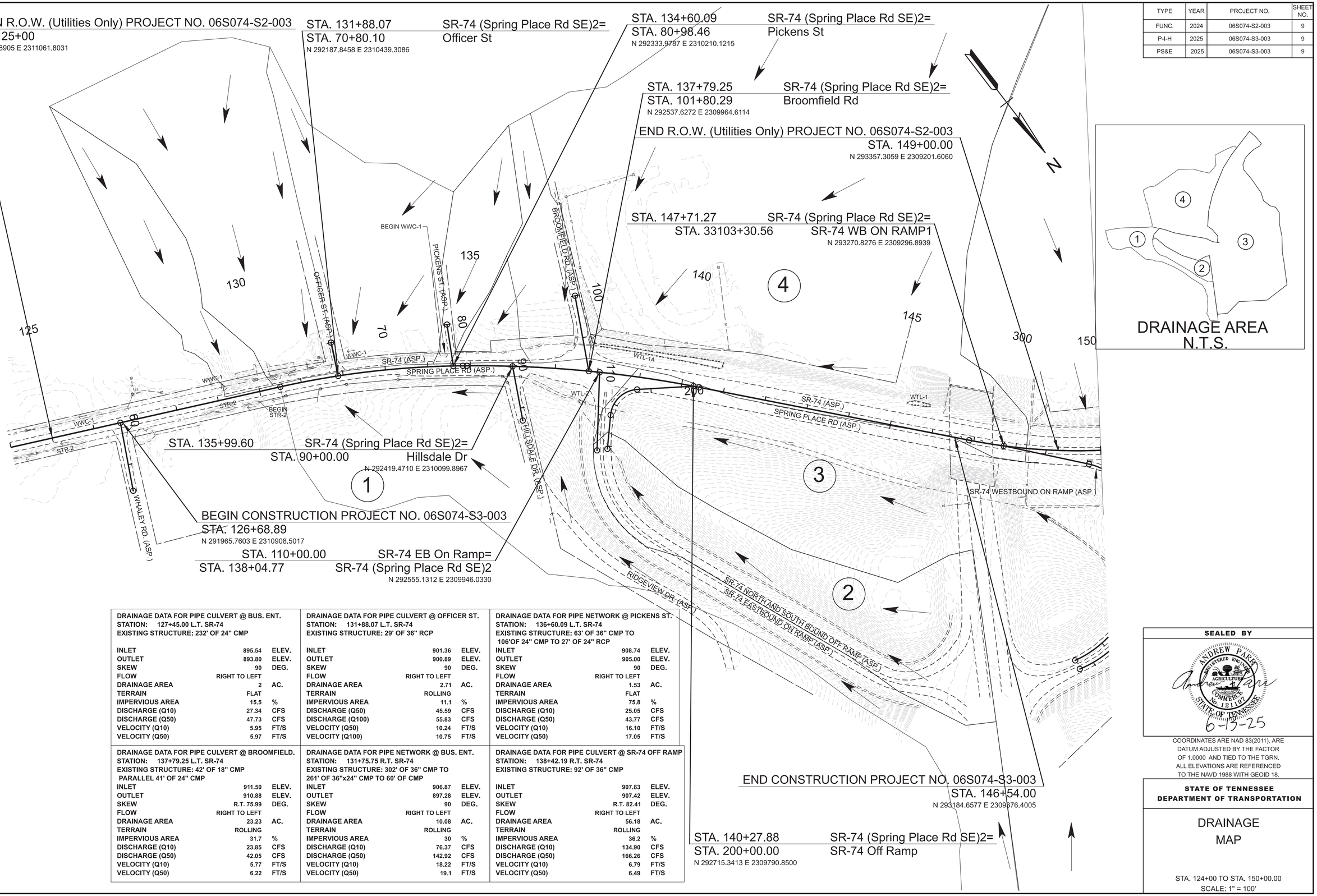
STA. 135+99.60 SR-74 (Spring Place Rd SE)2=
STA. 90+00.00 Hillsdale Dr
N 292419.4710 E 2310099.8967

BEGIN CONSTRUCTION PROJECT NO. 06S074-S3-003
STA. 126+68.89
N 291965.7603 E 2310908.5017

STA. 110+00.00 SR-74 EB On Ramp=
STA. 138+04.77 SR-74 (Spring Place Rd SE)2
N 292555.1312 E 2309946.0330

END CONSTRUCTION PROJECT NO. 06S074-S3-003
STA. 146+54.00
N 293184.6577 E 2309376.4005

STA. 140+27.88 SR-74 (Spring Place Rd SE)2=
STA. 200+00.00 SR-74 Off Ramp
N 292715.3413 E 2309790.8500



DRAINAGE AREA
N.T.S.

DRAINAGE DATA FOR PIPE CULVERT @ BUS. ENT.		
STATION: 127+45.00 L.T. SR-74		
EXISTING STRUCTURE: 232' OF 24" CMP		
INLET	895.54	ELEV.
OUTLET	893.80	ELEV.
SKEW	90	DEG.
FLOW	RIGHT TO LEFT	
DRAINAGE AREA	2	AC.
TERRAIN	FLAT	
IMPERVIOUS AREA	15.5	%
DISCHARGE (Q10)	27.34	CFS
DISCHARGE (Q50)	47.73	CFS
VELOCITY (Q10)	5.95	FT/S
VELOCITY (Q50)	5.97	FT/S

DRAINAGE DATA FOR PIPE CULVERT @ OFFICER ST.		
STATION: 131+88.07 L.T. SR-74		
EXISTING STRUCTURE: 29' OF 36" RCP		
INLET	901.36	ELEV.
OUTLET	900.89	ELEV.
SKEW	90	DEG.
FLOW	RIGHT TO LEFT	
DRAINAGE AREA	2.71	AC.
TERRAIN	ROLLING	
IMPERVIOUS AREA	11.1	%
DISCHARGE (Q50)	45.59	CFS
DISCHARGE (Q100)	55.83	CFS
VELOCITY (Q50)	10.24	FT/S
VELOCITY (Q100)	10.75	FT/S

DRAINAGE DATA FOR PIPE NETWORK @ PICKENS ST.		
STATION: 136+60.09 L.T. SR-74		
EXISTING STRUCTURE: 63' OF 36" CMP TO 106'OF 24" CMP TO 27' OF 24" RCP		
INLET	908.74	ELEV.
OUTLET	905.00	ELEV.
SKEW	90	DEG.
FLOW	RIGHT TO LEFT	
DRAINAGE AREA	1.53	AC.
TERRAIN	FLAT	
IMPERVIOUS AREA	75.8	%
DISCHARGE (Q10)	25.05	CFS
DISCHARGE (Q50)	43.77	CFS
VELOCITY (Q10)	16.10	FT/S
VELOCITY (Q50)	17.05	FT/S

DRAINAGE DATA FOR PIPE CULVERT @ BROOMFIELD.		
STATION: 137+79.25 L.T. SR-74		
EXISTING STRUCTURE: 42' OF 18" CMP PARALLEL 41' OF 24" CMP		
INLET	911.50	ELEV.
OUTLET	910.88	ELEV.
SKEW	R.T. 75.99	DEG.
FLOW	RIGHT TO LEFT	
DRAINAGE AREA	23.23	AC.
TERRAIN	ROLLING	
IMPERVIOUS AREA	31.7	%
DISCHARGE (Q10)	23.85	CFS
DISCHARGE (Q50)	42.05	CFS
VELOCITY (Q10)	5.77	FT/S
VELOCITY (Q50)	6.22	FT/S

DRAINAGE DATA FOR PIPE NETWORK @ BUS. ENT.		
STATION: 131+75.75 R.T. SR-74		
EXISTING STRUCTURE: 302' OF 36" CMP TO 261' OF 36"x24" CMP TO 60' OF CMP		
INLET	906.87	ELEV.
OUTLET	897.28	ELEV.
SKEW	90	DEG.
FLOW	RIGHT TO LEFT	
DRAINAGE AREA	10.08	AC.
TERRAIN	ROLLING	
IMPERVIOUS AREA	30	%
DISCHARGE (Q10)	76.37	CFS
DISCHARGE (Q50)	142.92	CFS
VELOCITY (Q10)	18.22	FT/S
VELOCITY (Q50)	19.1	FT/S

DRAINAGE DATA FOR PIPE CULVERT @ SR-74 OFF RAMP		
STATION: 138+42.19 R.T. SR-74		
EXISTING STRUCTURE: 92' OF 36" CMP		
INLET	907.83	ELEV.
OUTLET	907.42	ELEV.
SKEW	R.T. 82.41	DEG.
FLOW	RIGHT TO LEFT	
DRAINAGE AREA	56.18	AC.
TERRAIN	ROLLING	
IMPERVIOUS AREA	36.2	%
DISCHARGE (Q10)	134.90	CFS
DISCHARGE (Q50)	166.26	CFS
VELOCITY (Q10)	6.79	FT/S
VELOCITY (Q50)	6.49	FT/S

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ANDREW PARR
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 121197
STATE OF TENNESSEE
6-13-25

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 124+00 TO STA. 150+00.00
SCALE: 1" = 100'

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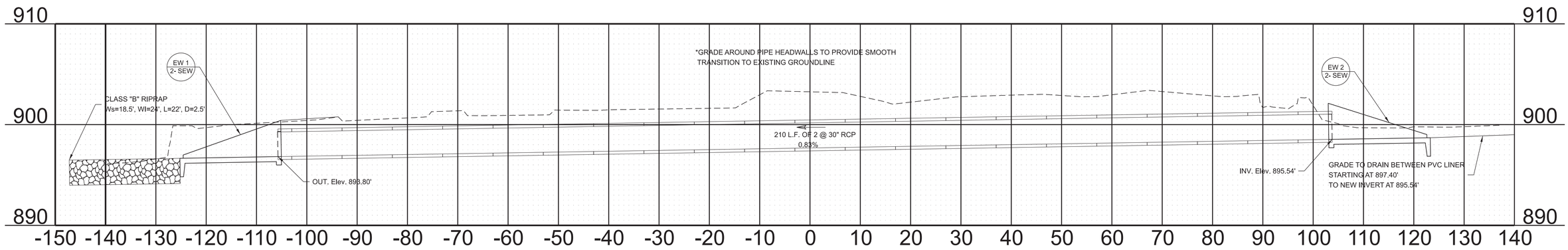
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	10
P-I-H	2025	06S074-S3-003	10
PS&E	2025	06S074-S3-003	10



STA. 127+44.74 (BUSINESS ENTRANCE)

PIPE CULVERT BUS. ENT. LT OF SR-74	
STATION: 127 + 44.74	
STRUCTURE: 2 @ 30" RCP	
SKEW	90 DEG
DRAINAGE AREA	38.13 AC.
DESIGN DISCHARGE (Q10)	27.34 CFS
DESIGN DISCHARGE (Q50)	47.73 CFS
OVERTOPPING	898.03 ELEV.
ALLOWABLE HEADWATER	898.00 ELEV.
Q10 HEADWATER	897.30 ELEV.
Q50 HEADWATER	897.98 ELEV.
VELOCITY (Q10)	7.45 FT/S
VELOCITY (Q50)	8.54 FT/S
ENDWALLS REQUIRED: 4 - 30" SAFETY E.D. ENDWALLS WITH STEEL PIPE GRATE	
STANDARD DRAWING NOS.: D-PB-1 & D-SEW-1A	
QUANTITIES:	
CLASS "A" CONCRETE	C.Y.
STEEL BAR REINFORCING	LB.
BEDDING MATERIAL	118.86 C.Y.
ENDWALL ITEM NOS.: 611-07.33	

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT
SECTIONS

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

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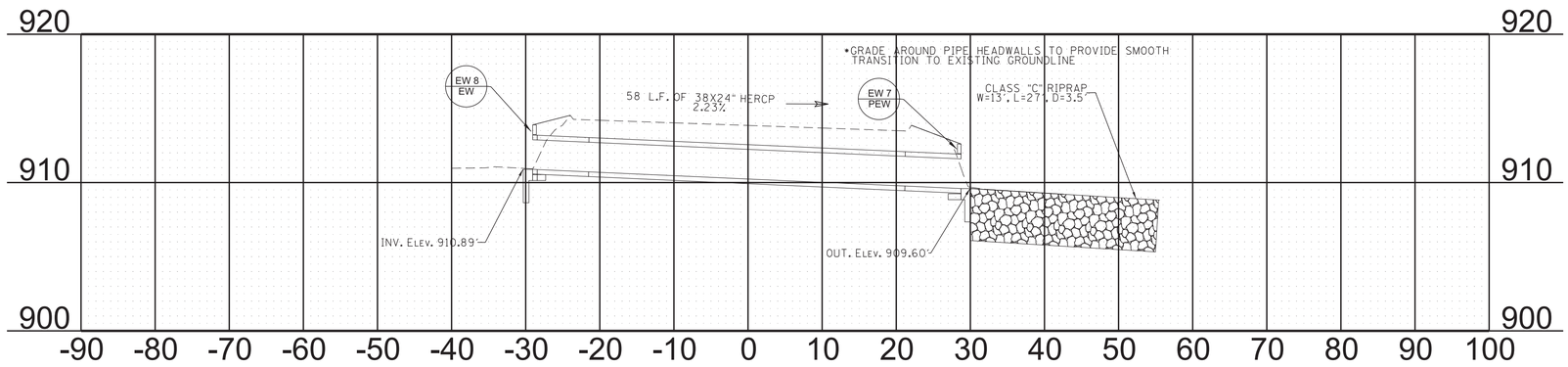
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	11
P-I-H	2025	06S074-S3-003	11
PS&E	2025	06S074-S3-003	11



STA. 137+04.21 (BUSINESS ENTRANCE)

PIPE CULVERT BUSINESS ENTRANCE LT OF SR-74
STATION: 137 + 04.21
STRUCTURE: 1 @ 38x24" HERCP

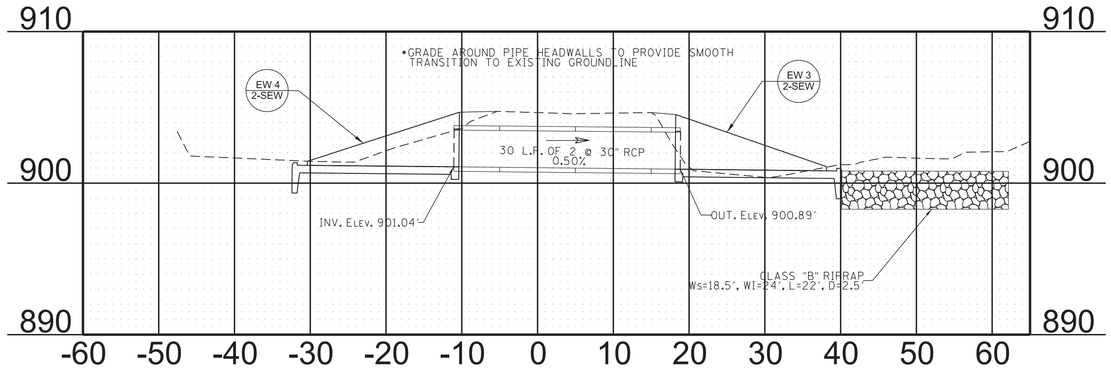
SKEW	94.0 DEG
DRAINAGE AREA	23.20 AC.
DESIGN DISCHARGE (Q50)	42.05 CFS
DESIGN DISCHARGE (Q100)	51.69 CFS
OVERTOPPING	914.77 ELEV.
ALLOWABLE HEADWATER	913.77 ELEV.
Q50 HEADWATER	914.65 ELEV.
Q100 HEADWATER	914.86 ELEV.
VELOCITY (Q50)	11.05 FT/S
VELOCITY (Q100)	11.20 FT/S

ENDWALLS REQUIRED:
38"x24" PROTECED ENDWALL 90 DEG.
STANDARD DRAWING NOS.: D-PO-1, D-PEW-1

QUANTITIES:

CLASS "A" CONCRETE	3.24 C.Y.
STEEL BAR REINFORCING	110 LB.
BEDDING MATERIAL	14.32 C.Y.

ENDWALL ITEM NOS.:



STA. 70+51.21 (OFFICER ST.)

PIPE CULVERT OFFICER ST LT OF SR-74
STATION: 70 + 51.21
STRUCTURE: 2 @ 30" RCP

SKEW	89 DEG
DRAINAGE AREA	30.02 AC.
DESIGN DISCHARGE (Q50)	45.59 CFS
DESIGN DISCHARGE (Q100)	55.83 CFS
OVERTOPPING	904.68 ELEV.
ALLOWABLE HEADWATER	903.68 ELEV.
Q50 HEADWATER	903.58 ELEV.
Q100 HEADWATER	904.09 ELEV.
VELOCITY (Q50)	6.97 FT/S
VELOCITY (Q100)	7.37 FT/S

ENDWALLS REQUIRED: 4 - 30" SAFETY E.D. ENDWALLS WITH STEEL PIPE GRATE
STANDARD DRAWING NOS.: D-PB-1 & D-SEW-1A

QUANTITIES:

CLASS "A" CONCRETE	C.Y.
STEEL BAR REINFORCING	LB.
BEDDING MATERIAL	16.98 C.Y.

ENDWALL ITEM NOS.: 611-07.33

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6-13-25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

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

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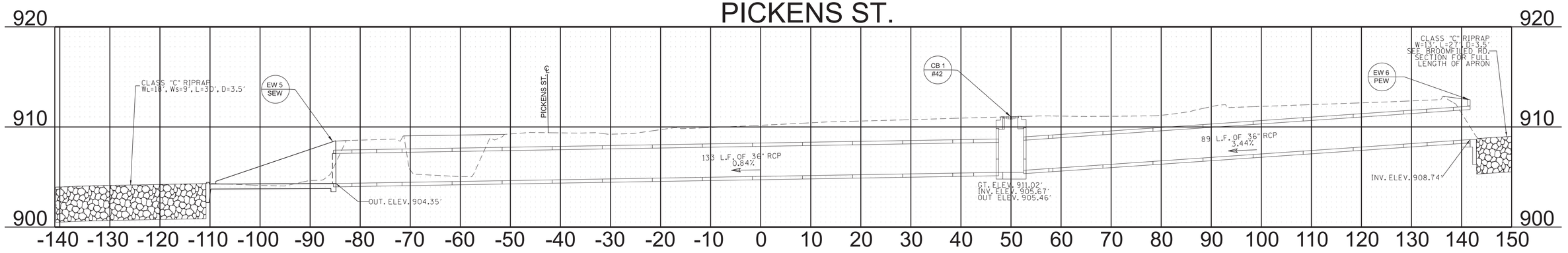
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	12
P-I-H	2025	06S074-S3-003	12
PS&E	2025	06S074-S3-003	12

PICKENS ST.



PIPE CULVERT BUS. ENT. LT OF SR-74
STATION: 136 + 18.99
STRUCTURE: 1 @ 36" RCP

SKEW	90 DEG
DRAINAGE AREA	24.70 AC.
DESIGN DISCHARGE (Q10)	24.82 CFS
DESIGN DISCHARGE (Q50)	43.43 CFS
OVERTOPPING	912.52 ELEV.
ALLOWABLE HEADWATER	911.52 ELEV.
Q10 HEADWATER	911.02 ELEV.
Q50 HEADWATER	911.98 ELEV.
VELOCITY (Q10)	10.74 FT/S
VELOCITY (Q50)	12.12 FT/S

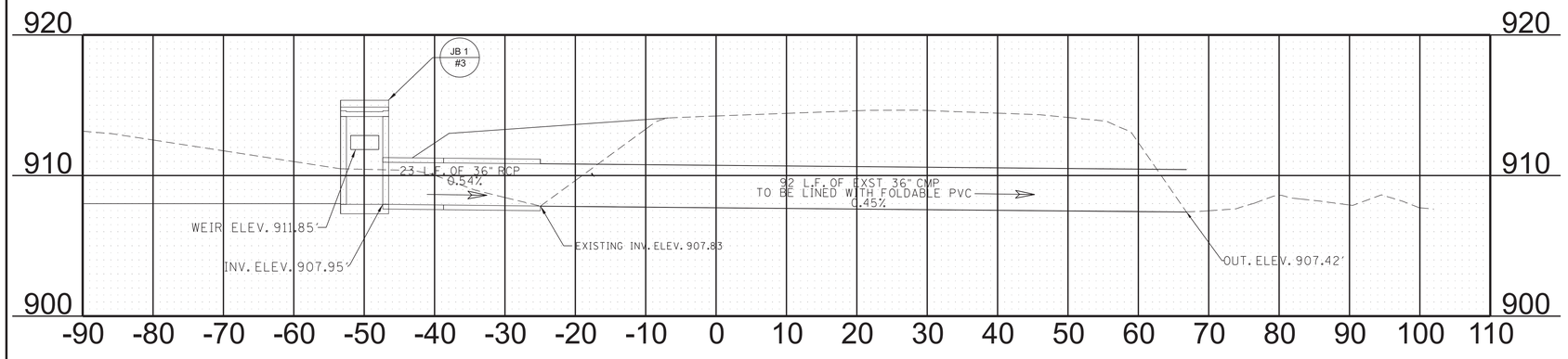
ENDWALLS REQUIRED: 36" SAFETY S.D. ENDWALLS
WITH STEEL PIPE GRATE, 36" PROTETECED ENDWALL 90 DEG.
STANDARD DRAWING NOS.: D-PB-1, D-SEW-1A. D-PEW-1

QUANTITIES:

CLASS "A" CONCRETE	3.89 C.Y.
STEEL BAR REINFORCING	147 LB.
BEDDING MATERIAL	67.04 C.Y.

ENDWALL ITEM NOS.: 611-07.34

STA. 136+18.99 (BUSINESS ENTRANCE)



STA. 202+13.13 (ON & OFF RAMP)

PIPE CULVERT N & S ON AND E OFF BOUND RAMP RT OF SR-74
STATION: 202 + 13.13
STRUCTURE: 23' 0F 36" RCP CONNECTION TO PVC LINED CMP

SKEW	90 DEG
DRAINAGE AREA	66.50 AC.
DESIGN DISCHARGE (Q50)	43.53 CFS
DESIGN DISCHARGE (Q100)	50.97 CFS
OVERTOPPING	914.08 ELEV.
ALLOWABLE HEADWATER	913.08 ELEV.
Q50 HEADWATER	912.76 ELEV.
Q100 HEADWATER	913.44 ELEV.
VELOCITY (Q50)	6.20 FT/S
VELOCITY (Q100)	7.20 FT/S
ENDWALLS REQUIRED:	

STANDARD DRAWING NOS.: D-PB-1, D-JBS-3

QUANTITIES:

CLASS "A" CONCRETE	C.Y.
STEEL BAR REINFORCING	LB.
BEDDING MATERIAL	6.95 C.Y.

ENDWALL ITEM NOS.:

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AGRICULTURE
COMMERCE
No. 121197
STATE OF TENNESSEE

6-13-25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT
SECTIONS

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	13
P-I-H	2025	06S074-S3-003	13
PS&E	2025	06S074-S3-003	13

EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

SEDIMENT CONTROL

INSPECTION, MAINTENANCE & REPAIR

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

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

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

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

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

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

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

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

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

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

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

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

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

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

STREAMS, WETLANDS & BUFFER ZONES

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

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EROSION PREVENTION AND SEDIMENT CONTROL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	06S074-S2-003	13A
P-I-H	2025	06S074-S3-003	13A
PS&E	2025	06S074-S3-003	13A

TABULATED EPSC QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 06S074-S3-003
(1)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	8
(2)	209-05	SEDIMENT REMOVAL	C.Y.	103
	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	1030
	209-08.07	ROCK CHECK DAM PER	EACH	1
	209-08.08	ENHANCED ROCK CHECK DAM	EACH	7
	209-08.09	FILTER SOCK CHECK DAM	EACH	2
	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	6
	209-40.43	CATCH BASIN FILTER ASSEMBLY(TYPE 3)	EACH	2
	209-65.03	TEMPORARY DIVERSION CHANNEL	L.F.	90
	209-65.04	TEMPORARY IN STREAM DIVERSION	L.F.	840
(3)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	15
	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	957
(1),(4)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	50
(3),(5)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	308
(1),(3),(6)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	689
	740-11.03	TEMPORARY SEDIMENT TUBE 18IN	L.F.	3468
	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	93
	801-03	WATER (SEEDING & SODDING)	M.G.	114
	803-01	SODDING (NEW SOD)	S.Y.	10400

FOOTNOTES

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

(1) INCLUDES QUANTITIES FOR TEMPORARY CONSTRUCTION EXIT.

(2) INCLUDES QUANTITIES FOR DISTURBED AREA.

(3) INCLUDES QUANTITIES FOR CULVERT PROTECTION TYPE 1.

(4) TO BE USED FOR TEMPORARY CONSTRUCTION EXIT.

(5) INCLUDES 123 TON FOR CULVERT PROTECTION TYPE 1, 185 TON FOR TEMPORARY DIVERSION CHANNEL.

(6) INCLUDES 86 S.Y. FOR TEMPORARY CONSTRUCTION EXIT, 350 S.Y. FOR TEMPORARY DIVERSION CHANNEL, 223 S.Y. FOR CULVERT PROTECTION TYPE 1, 30 S.Y. FOR CULVERT PROTECTION TYPE 2.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
✳ HVF ✳ HVF	HIGH VISIBILITY FENCE	S-F-1
✳ SFB✳ SFB✳	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
✳✳ SOCK ✳✳ SOCK	FILTER SOCK	EC-STR-8
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19
	*TEMPORARY CONSTRUCTION EXIT	EC-STR-25
═IN═ DIV ═	INSTREAM DIVERSION	EC-STR-30 EC-STR-30A
✳✳ TUBE ✳✳ TUBE	SEDIMENT TUBE	EC-STR-37
	CATCH BASIN FILTER ASSEMBLY (TYPE 3)	EC-STR-43

*TCE TO BE LOCATED BY THE ENGINEER ON SITE

– – – – – LIMITS OF DISTURBANCE

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EROSION PREVENTION & SEDIMENT CONTROL LEGEND & TABULATION

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	14
P-I-H	2025	06S074-S3-003	14
PS&E	2025	06S074-S3-003	14

SEQUENCE OF CONSTRUCTION:

NO WORK SHALL BEGIN ON THE SOUTH SIDE IN STAGE 1.
THE DETENTION POND SHALL BE CONSTRUCTED AND STABILIZED PRIOR TO BEGINNING PIPE REPLACEMENT WORK.

CONSTRUCT IN SEGMENTS. EACH PIPE SYSTEM SHALL BE CONSTRUCTED AND STABILIZED BEFORE STARTING THE NEXT ONE.
CONSTRUCT IN THE DRY OR MAINTAIN A PUMP AROUND. PUMP AROUNDS ARE REPRESENTED BY IN-STREAM DVERSION ON PLANS.

STA. 134+60.09 SR-74 (Spring Place Rd)=
STA. 80+98.46 Pickens St
N 292333.9787 E 2310210.1215

BEGIN R.O.W. (Utilities Only) PROJECT NO. 06S074-S2-003
STA. 125+00.00
N 291894.8905 E 2311061.8031

Pickens St STA. 80+00.00
N 292247.6989
E 2310162.6781

Officer St STA. 70+00.00
N 292115.4431
E 2310405.0434

END STR-2 IMPACT
STA. 129+95.52
OFF. 24.03'

BEGIN STR-2 IMPACT
STA. 129+70.47
OFF. 24.07'

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY WILL OCCUR IN, NOR THAT ANY CONSTRUCTION EQUIPMENT WILL ENTER ANY PORTION OF STR-2 AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMITTED LOCATIONS.

Whaley Rd STA. 61+62.81
N 292109.0605
E 2310986.2836

BEGIN CONSTRUCTION PROJECT NO. 06S074-S3-003
STA. 126+68.89
N 291965.7603 E 2310908.5017

STA. 126+64.06 SR-74 (Spring Place Rd)=
STA. 60+00.00 Whaley Rd
N 291963.7319 E 2310912.8893

STA. 131+88.07 SR-74 (Spring Place Rd)=
STA. 70+80.10 Officer St
N 292187.8458 E 2310439.3086

STAGE 1
CLEAR AND GRUB
SEE SEQUENCE OF CONSTRUCTION NOTES
EXISTING CONTOURS

SEALED BY

ANDREW PARR
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 121197
STATE OF TENNESSEE

6-13-25

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000, AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS
STA. 124+00 TO STA. 136+00.00
SCALE: 1" = 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	15
P-I-H	2025	06S074-S3-003	15
PS&E	2025	06S074-S3-003	15

STAGE I OUTFALLS		
Outfall No.	Drainage Area	Average Slope
1	0.14 (AC)	1.65 (%)
2	0.54 (AC)	3.31 (%)
3	1.54 (AC)	5.0 (%)

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF WTL-1A, WTL-1, AND, WTL-2 AND THAT THE WETLAND AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMITTED LOCATIONS.

STA. 137+79.25 SR-74 (Spring Place Rd)=
STA. 101+80.29 Broomfield Rd
N 292537.6272 E 2309964.6114

STA. 138+04.77 SR-74 (Spring Place Rd)=
STA. 110+00.00 SR-74 EB On Ramp
N 292555.1312 E 2309946.0330

STA. 140+27.88 SR-74 (Spring Place Rd)=
STA. 200+00.00 SR-74 Off Ramp
N 292715.3413 E 2309790.8500

Broomfield Rd STA. 100+00.00
N 292377.1310
E 2309882.4891

END R.O.W. (Utilities Only) PROJECT NO. 06S074-S2-003
STA. 149+00.00
N 293357.3059 E 2309201.6060

END CONSTRUCTION PROJECT NO. 06S074-S3-003
STA. 146+54.00
N 293184.6577 E 2309376.4005

STA. 147+71.27 SR-74 (Spring Place Rd)=
STA. 300+00.00 SR-74 WB ON RAMP1
N 293270.8276 E 2309296.8939

Hillsdale Dr STA. 91+29.83
N 292535.3126
E 2310158.5081

SR-74 EB On Ramp STA. 111+83.86
N 292697.3067
E 2310062.6071

SR-74 Off Ramp STA. 203+06.81
N 292709.2917
E 2310041.0704

STA. 135+99.60 SR-74 (Spring Place Rd)=
STA. 90+00.00 Hillsdale Dr
N 292419.4710 E 2310099.8967

SEQUENCE OF CONSTRUCTION:
DETENTION POND SHALL BE CONSTRUCTED PRIOR THE REPLACEMENT OF ANY PIPES

DETENTION POND PHASING:
1- CONSTRUCT A TEMPORARY DIVERSION CHANNEL FROM 54" CMP TO EXISTING DITCH AS SHOWN ON PLANS.
2- MAINTAIN A CLEAN PUMP AROUND THROUGH EXISTING DITCH AND EXISTING 36" CMP AS SHOWN ON PLANS.
3- CLEAR AND GRUB IN THE DISTURBED AREA HATCHED ON PLANS.
4- CONSTRUCT NEW CROSS DRAIN AS SHOWN IN PLANS.

STAGE 1
CLEAR AND GRUB
SEE SEQUENCE OF CONSTRUCTION NOTES
EXISTING CONTOURS

SEALED BY

ANDREW PARR
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 121197
STATE OF TENNESSEE
6-13-25

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000, AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS
STA. 136+00 TO STA. 150+00.00
SCALE: 1" = 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	16
P-I-H	2025	06S074-S3-003	16
PS&E	2025	06S074-S3-003	16

STAGE II OUTFALLS		
Outfall No.	Drainage Area	Average Slope
4	0.19 (AC)	0.85 (%)
5	0.18 (AC)	0.5 (%)
6	0.18 (AC)	1.37 (%)

SEQUENCE OF CONSTRUCTION:

NO WORK SHALL BEGIN ON THE SOUTH SIDE IN STAGE 1.
THE DETENTION POND SHALL BE CONSTRUCTED AND STABILIZED PRIOR TO BEGINNING PIPE REPLACEMENT WORK.

CONSTRUCT IN SEGMENTS. EACH PIPE SYSTEM SHALL BE CONSTRUCTED AND STABILIZED BEFORE STARTING THE NEXT ONE.
CONSTRUCT IN THE DRY OR MAINTAIN A PUMP AROUND. PUMP AROUNDS ARE REPRESENTED BY IN-STREAM DVERSION ON PLANS.

BEGIN R.O.W. (Utilities Only) PROJECT NO. 06S074-S2-003
STA. 125+00.00
N 291894.8905 E 2311061.8031

STA. 134+60.09 SR-74 (Spring Place Rd)=
STA. 80+98.46 Pickens St
N 292333.9787 E 2310210.1215

Pickens St STA. 80+00.00
N 292247.6989
E 2310162.6781

Officer St STA. 70+00.00
N 292115.4431
E 2310405.0434

CLASS "B" RIPRAP
Wl=24', Ws=18.5', L=22', D=2.5'

CLASS "B" RIPRAP
Wl=24', Ws=18.5', L=22', D=2.5'

CLASS "C" RIPRAP
Wl=18', Ws=9', L=30', D=3.5'

CLASS "B" RIPRAP
Wl=15', Ws=6', L=25', D=3.5'

END STR-2 IMPACT
STA. 129+95.52
OFF. 24.03'

BEGIN STR-2 IMPACT
STA. 129+70.47
OFF. 24.07'

Whaley Rd STA. 61+62.81
N 292109.0605
E 2310986.2836

BEGIN CONSTRUCTION PROJECT NO. 06S074-S3-003
STA. 126+68.89
N 291965.7603 E 2310908.5017

STA. 126+64.06 SR-74 (Spring Place Rd)=
STA. 60+00.00 Whaley Rd
N 291963.7319 E 2310912.8893

STA. 131+88.07 SR-74 (Spring Place Rd)=
STA. 70+80.10 Officer St
N 292187.8458 E 2310439.3086

SEE SHEET NO. 17
STA. 136+00
MATCH LINE STA. 136+00

STAGE 2
GRADING
INSTALL DIVERSIONS
EXISTING/INTERMEDIATE CONTOURS

SEALED BY

ANDREW PARR
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 121197
STATE OF TENNESSEE
6-13-25

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000, AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS
STA. 124+00 TO STA. 136+00.00
SCALE: 1" = 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	17
P-I-H	2025	06S074-S3-003	17
PS&E	2025	06S074-S3-003	17

STAGE II OUTFALLS		
Outfall No.	Drainage Area	Average Slope
7	0.31 (AC)	1.3 (%)
8	0.49 (AC)	0.5 (%)
9	0.13 (AC)	0.4 (%)

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF WTL-1A, WTL-1, AND, WTL-2 AND THAT THE WETLAND AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMITTED LOCATIONS.

STA. 137+79.25 SR-74 (Spring Place Rd)=
STA. 101+80.29 Broomfield Rd
N 292537.6272 E 2309964.6114

STA. 138+04.77 SR-74 (Spring Place Rd)=
STA. 110+00.00 SR-74 EB On Ramp
N 292555.1312 E 2309946.0330

STA. 140+27.88 SR-74 (Spring Place Rd)=
STA. 200+00.00 SR-74 Off Ramp
N 292715.3413 E 2309790.8500

Broomfield Rd STA. 100+00.00
N 292377.1310
E 2309882.4891

END R.O.W. (Utilities Only) PROJECT NO. 06S074-S2-003
STA. 149+00.00
N 293357.3059 E 2309201.6060

END CONSTRUCTION PROJECT NO. 06S074-S3-003
STA. 146+54.00
N 293184.6577 E 2309376.4005

CLASS "C" RIPRAP
W=13', L=27', D=3.5'
OUT - 7
PUMP AROUND
OUT - 9
OUT - 8
CLASS "C" RIPRAP
W=22', L=61' D=3.5'

SEE SHEET NO. 16
MATCH LINE STA. 136+00

Hillsdale Dr STA. 91+29.83
N 292535.3126
E 2310158.5081

SR-74 EB On Ramp STA. 111+83.86
N 292697.3067
E 2310062.6071

SR-74 Off Ramp STA. 203+06.81
N 292709.2917
E 2310041.0704

STA. 147+71.27 SR-74 (Spring Place Rd)=
STA. 300+00.00 SR-74 WB ON RAMP1
N 293270.8276 E 2309296.8939

STA. 135+99.60 SR-74 (Spring Place Rd)=
STA. 90+00.00 Hillsdale Dr
N 292419.4710 E 2310099.8967

SEQUENCE OF CONSTRUCTION:
DETENTION POND SHALL BE CONSTRUCTED PRIOR THE REPLACEMENT OF ANY PIPES

DETENTION POND PHASING:
1- CONSTRUCT RISER AND 36" RCP TO EXISTING 36" CMP.
2- GRADE THE REMAINING PORTIONS OF THE POND.

SEALED BY

ANDREW PARE
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 121197
STATE OF TENNESSEE
6-13-25

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STAGE 2 GRADING INSTALL DIVERSIONS EXISTING/INTERMEDIATE CONTOURS

EROSION PREVENTION AND SEDIMENT CONTROL PLANS
STA. 136+00 TO STA. 150+00.00
SCALE: 1" = 50'

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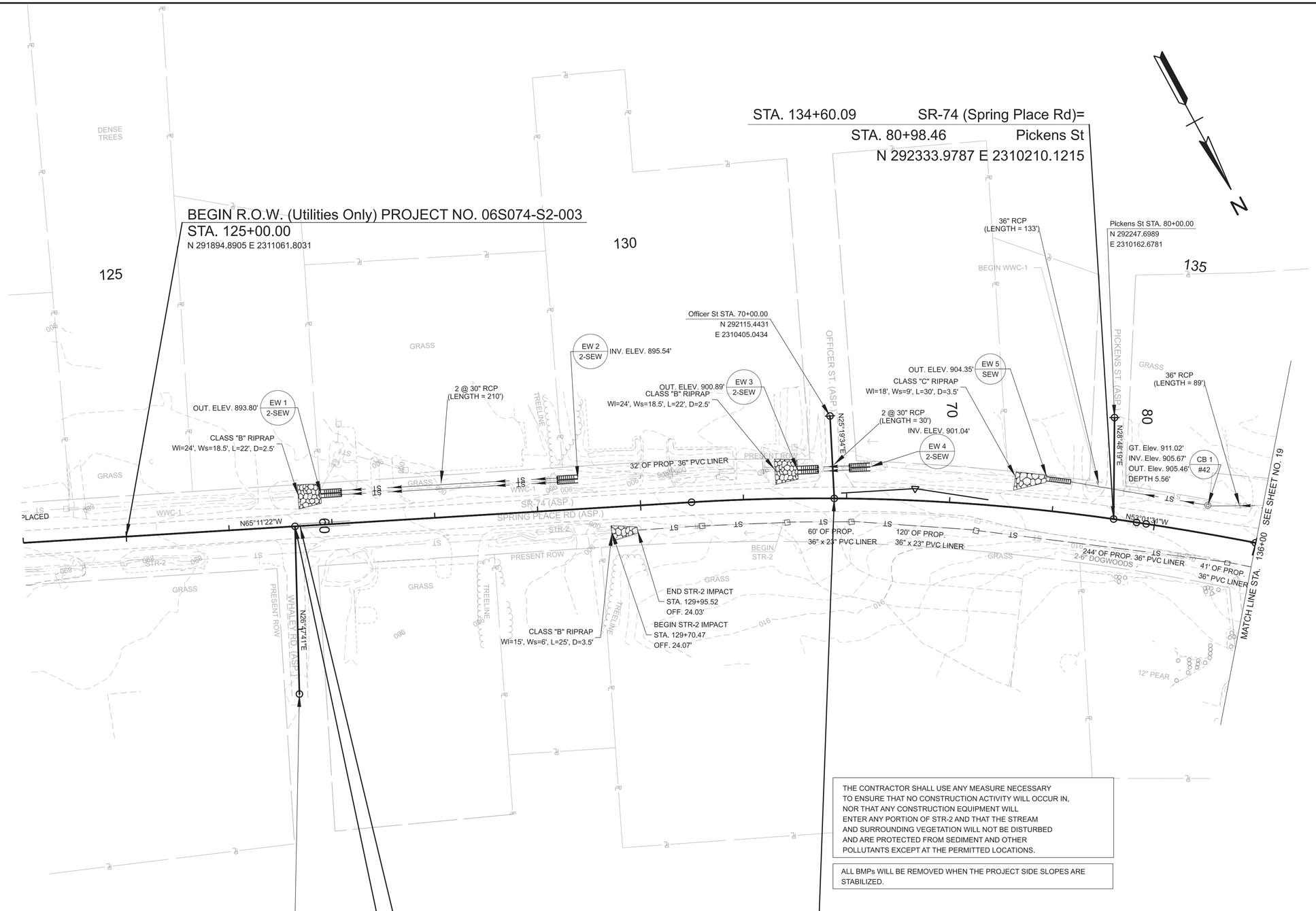
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	18
P-I-H	2025	06S074-S3-003	18
PS&E	2025	06S074-S3-003	18



THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY WILL OCCUR IN, NOR THAT ANY CONSTRUCTION EQUIPMENT WILL ENTER ANY PORTION OF STR-2 AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMITTED LOCATIONS.

ALL BMPs WILL BE REMOVED WHEN THE PROJECT SIDE SLOPES ARE STABILIZED.

BEGIN CONSTRUCTION PROJECT NO. 06S074-S3-003
STA. 126+68.89
N 291965.7603 E 2310908.5017

STA. 126+64.06 SR-74 (Spring Place Rd)=
STA. 60+00.00 Whaley Rd
N 291963.7319 E 2310912.8893

STA. 131+88.07 SR-74 (Spring Place Rd)=
STA. 70+80.10 Officer St
N 292187.8458 E 2310439.3086

STAGE 3
FINAL STABLIZATION
PROPOSED CONTOURS

SEALED BY

ANDREW PARD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 121197
STATE OF TENNESSEE

6-13-25

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS
STA. 124+00 TO STA. 136+00.00
SCALE: 1" = 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	19
P-I-H	2025	06S074-S3-003	19
PS&E	2025	06S074-S3-003	19

STAGE III OUTFALLS		
Outfall No.	Drainage Area	Average Slope
8	2.56 (AC) *INCLUDES 53.62 (AC) CLEAN OFFSITE RUN ON*	3.9 (%)
9	0.13 (AC) *INCLUDES 60.42 (AC) CLEAN OFFSITE RUN ON*	0.4 (%)

ALL BMPs WILL BE REMOVED WHEN THE PROJECT SIDE SLOPES ARE STABILIZED.

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF WTL-1A, WTL-1, AND, WTL-2 AND THAT THE WETLAND AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMITTED LOCATIONS.

STA. 137+79.25 SR-74 (Spring Place Rd)=
STA. 101+80.29 Broomfield Rd
N 292537.6272 E 2309964.6114

STA. 138+04.77 SR-74 (Spring Place Rd)=
STA. 110+00.00 SR-74 EB On Ramp
N 292555.1312 E 2309946.0330

STA. 140+27.88 SR-74 (Spring Place Rd)=
STA. 200+00.00 SR-74 Off Ramp
N 292715.3413 E 2309790.8500

END R.O.W. (Utilities Only) PROJECT NO. 06S074-S2-003
STA. 149+00.00
N 293357.3059 E 2309201.6060

END CONSTRUCTION PROJECT NO. 06S074-S3-003
STA. 146+54.00
N 293184.6577 E 2309376.4005

Broomfield Rd STA. 100+00.00
N 292377.1310
E 2309882.4891

OUT. ELEV. 909.60'
EW 7
PEW

CLASS "C" RIPRAP
W=13', L=27', D=3.5'

INV. ELEV. 908.74'
EW 6
PEW

EW 8 INV. ELEV. 910.89'
PEW

38"x24" RCP
(LENGTH = 58')

36" RCP
(LENGTH = 89')

MATCH LINE STA. 136+00 SEE SHEET NO. 18

892' OF PROP. 36" PVC LINER

OUT - 912' OF PROP. 24" PVC LINER

36" RCP
(LENGTH = 23')

OUT - 8

JB 1
#3 MODIFIED

INV. ELEV.*907.95'
WEIR. ELEV. 911.85'
*SEE POND DETAILS FOR MODIFIED DESIGN ELEVATION AND ISOMETRIC VIEW

CLASS "C" RIPRAP
W=22', L=61' D=3.5'

BRIDGE ID # 06SR060-11.29

Hillsdale Dr STA. 91+29.83
N 292535.3126
E 2310158.5081

SR-74 EB On Ramp STA. 111+83.86
N 292697.3067
E 2310062.6071

SR-74 Off Ramp STA. 203+06.81
N 292709.2917
E 2310041.0704

STA. 147+71.27 SR-74 (Spring Place Rd)=
STA. 300+00.00 SR-74 WB ON RAMP1
N 293270.8276 E 2309296.8939

STA. 135+99.60 SR-74 (Spring Place Rd)=
STA. 90+00.00 Hillsdale Dr
N 292419.4710 E 2310099.8967

BROOMFIELD RD (ASP.)
SPRING PLACE RD (ASP.)
SR-74 (ASP.)
HILLSDALE DR. (ASP.)
RIDGEVIEW DR. (ASP.)
SR-60 NORTHBOUND (ASP.)
SR-60 SOUTHBOUND (ASP.)
SR-74 NORTH AND SOUTH BOUND OFF RAMP (ASP.)
SR-74 EASTBOUND ON RAMP (ASP.)
PRESENT ROW
WTL-1A
WTL-1
GRASS
DENSE TREES
SOD
TUBE
SOCK

SEALED BY

ANDREW PARE
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 121197
STATE OF TENNESSEE
6-13-25

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS

STA. 136+00 TO STA. 150+00.00
SCALE: 1" = 50'

STAGE 3
FINAL STABLIZATION
PROPOSED CONTOURS

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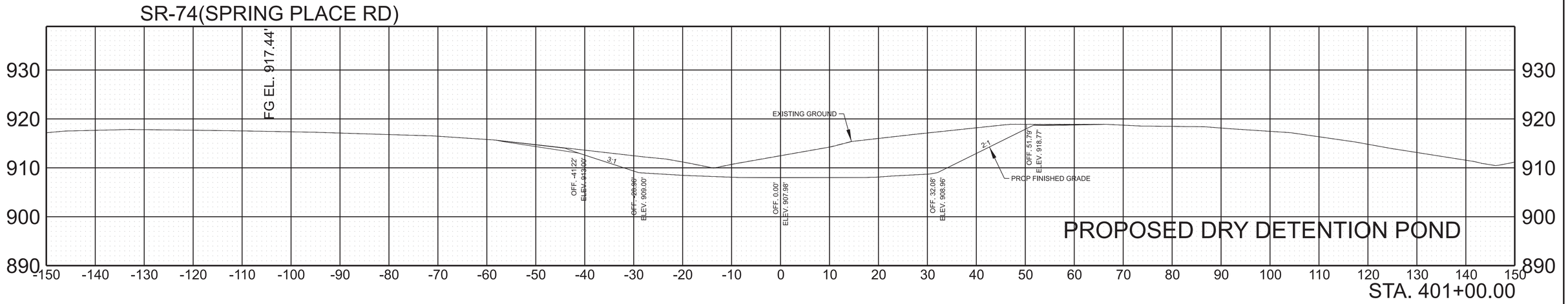
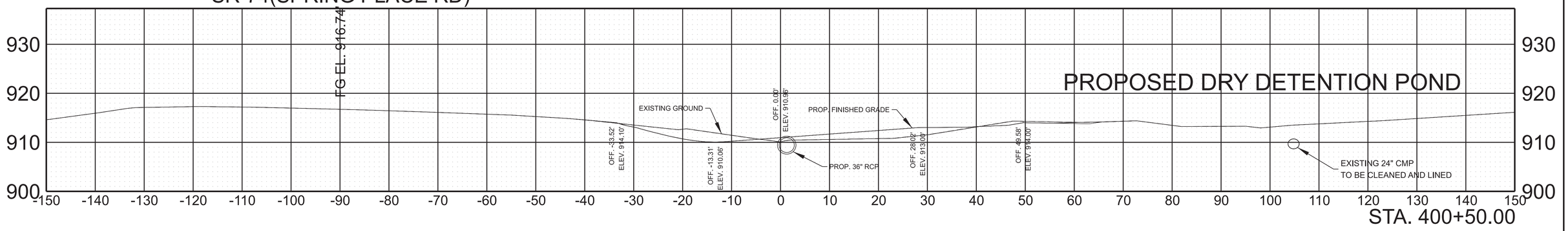
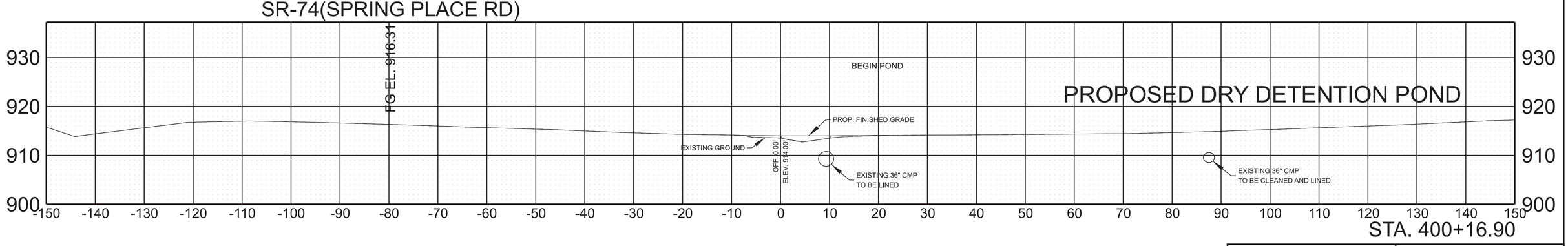
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	20
P-I-H	2025	06S074-S3-003	20
PS&E	2025	06S074-S3-003	20







SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 400+17 END STA. 401+00

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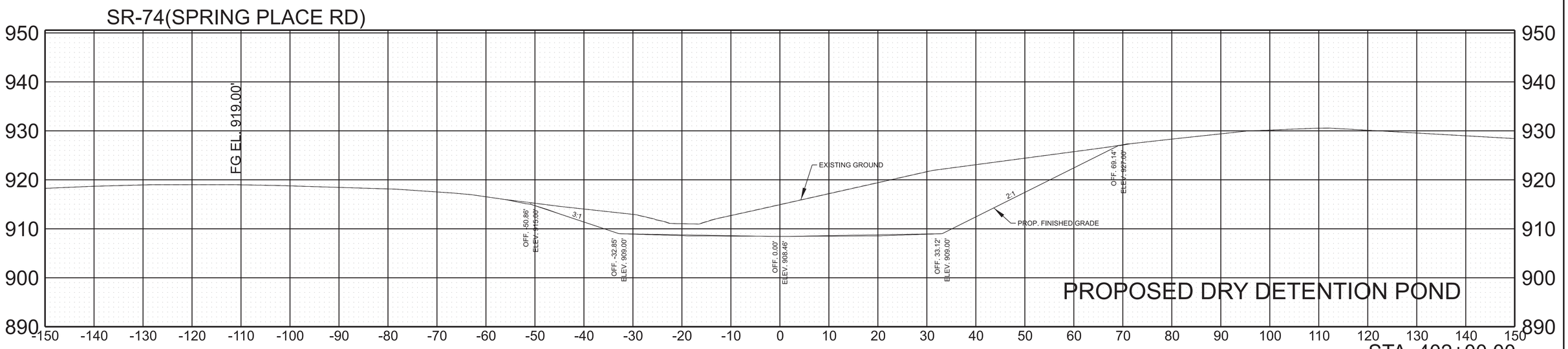
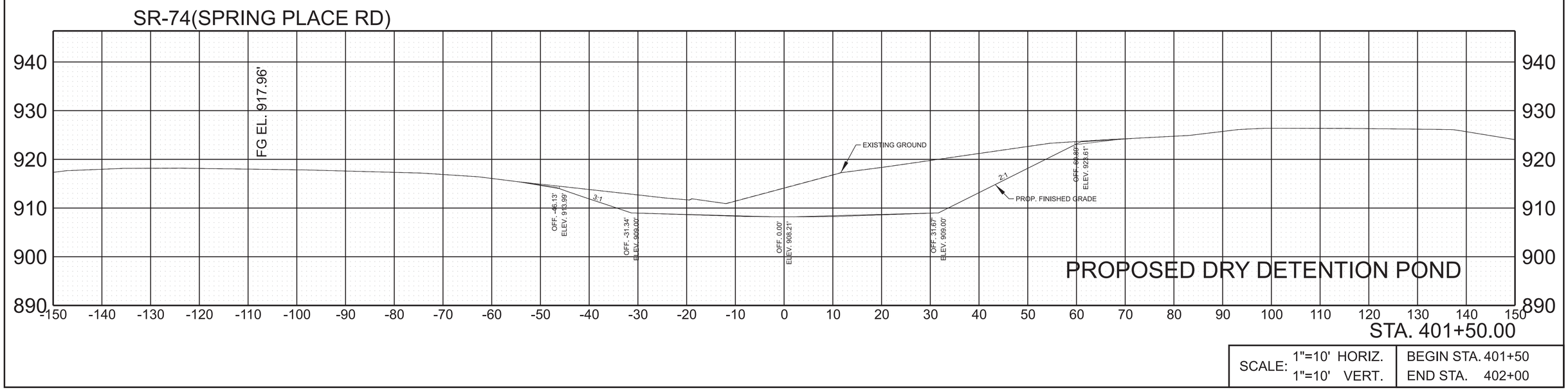
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	21
P-I-H	2025	06S074-S3-003	21
PS&E	2025	06S074-S3-003	21





SCALE:	1"=10' HORIZ.	BEGIN STA. 401+50
	1"=10' VERT.	END STA. 402+00

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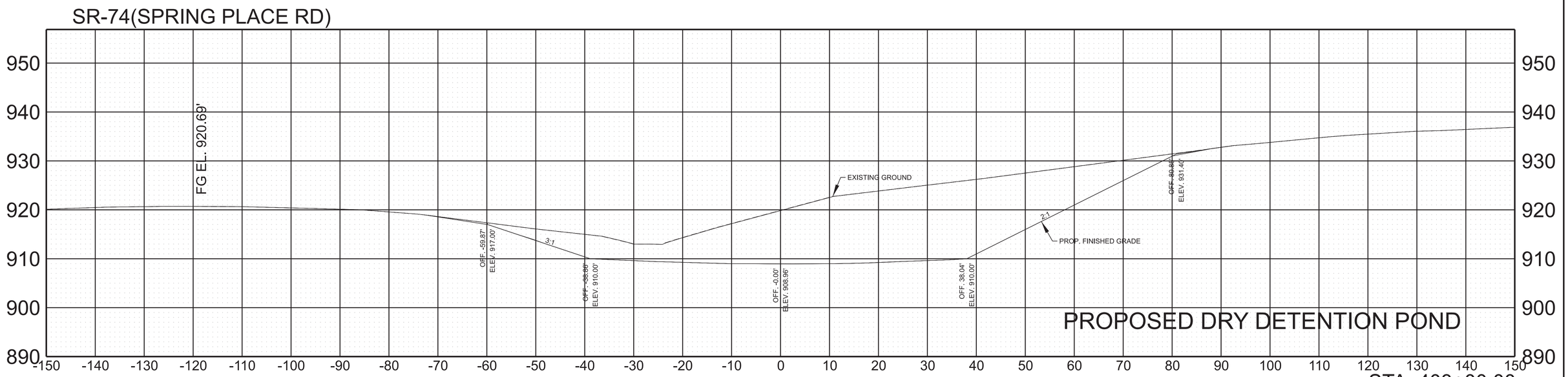
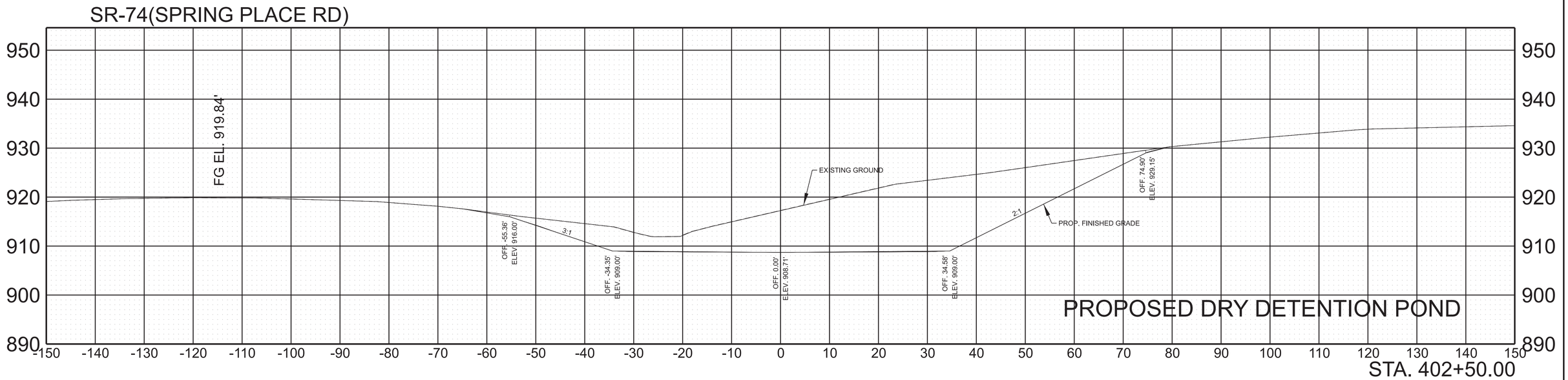
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	22
P-I-H	2025	06S074-S3-003	22
PS&E	2025	06S074-S3-003	22





SCALE:	1"=10' HORIZ.	BEGIN STA. 402+50
	1"=10' VERT.	END STA. 403+00

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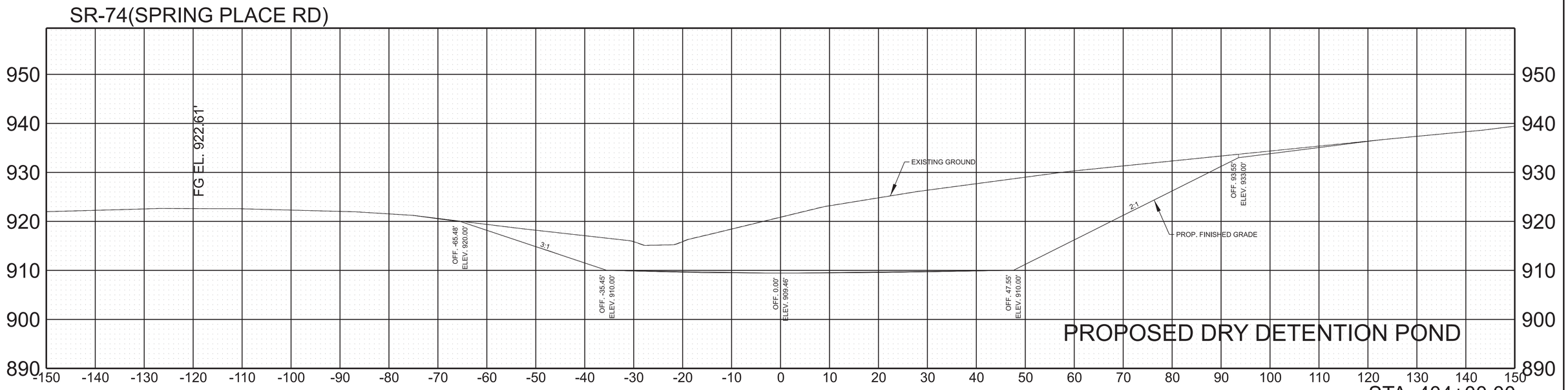
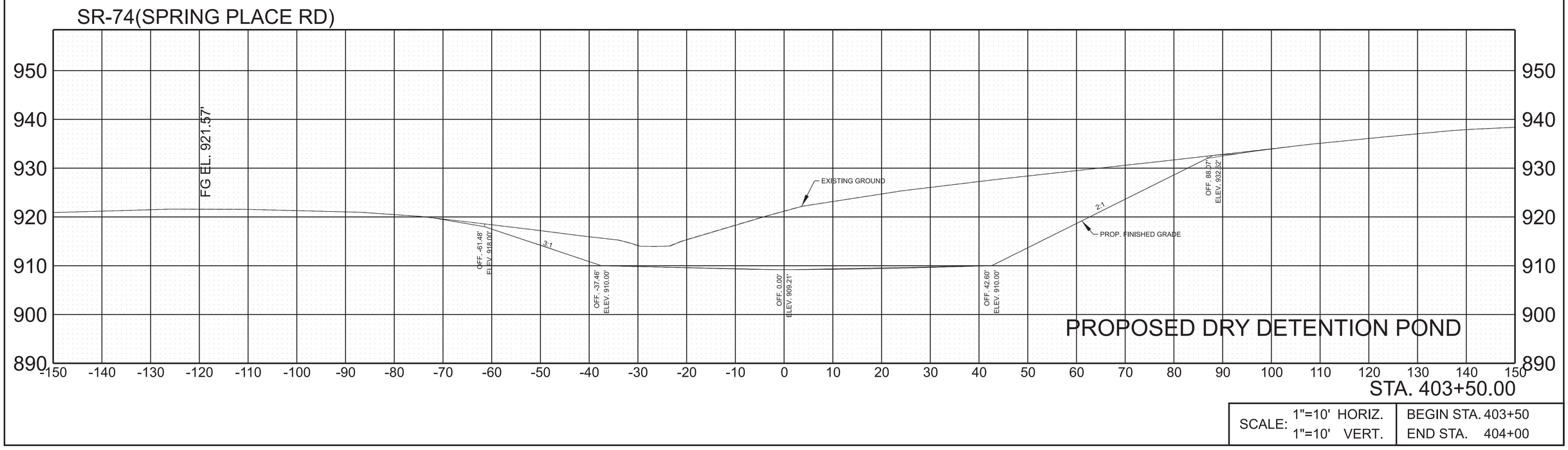
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	23
P-I-H	2025	06S074-S3-003	23
PS&E	2025	06S074-S3-003	23





SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 403+50 END STA. 404+00

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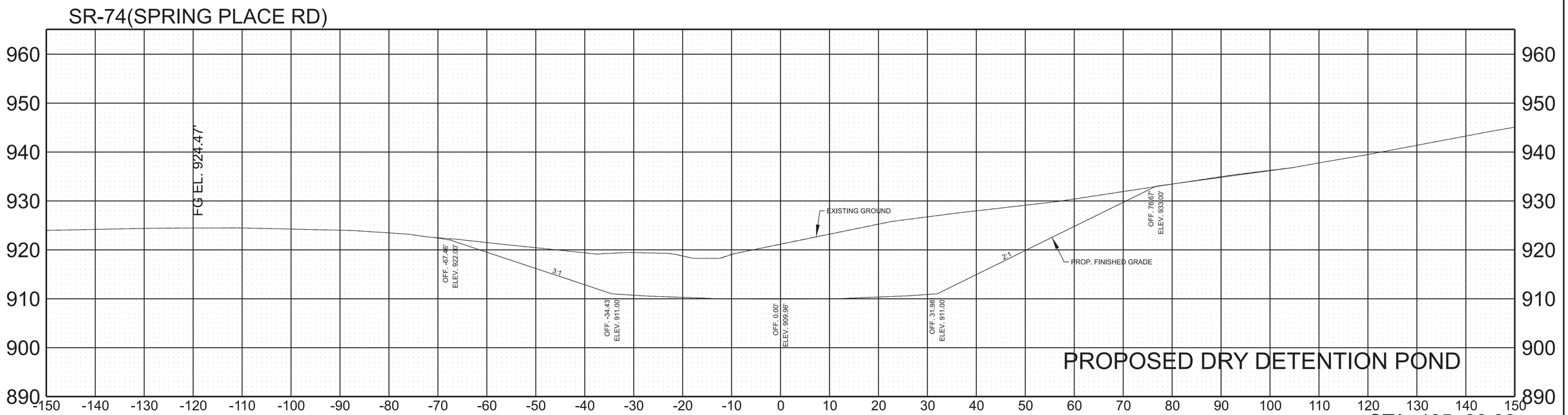
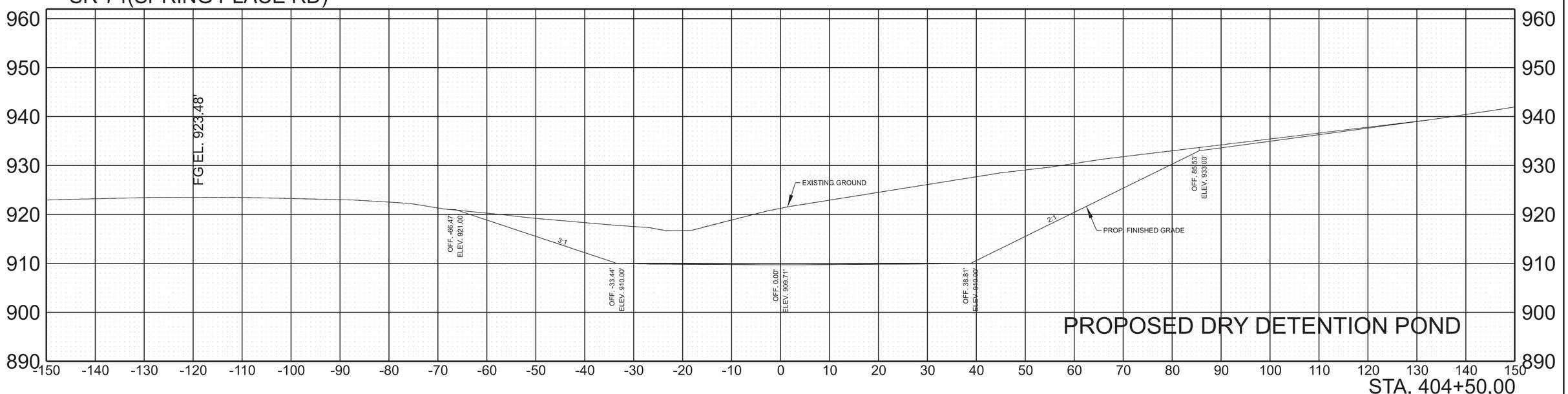
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	24
P-I-H	2025	06S074-S3-003	24
PS&E	2025	06S074-S3-003	24





SCALE:		
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	1"=10' VERT.	END STA. 405+00

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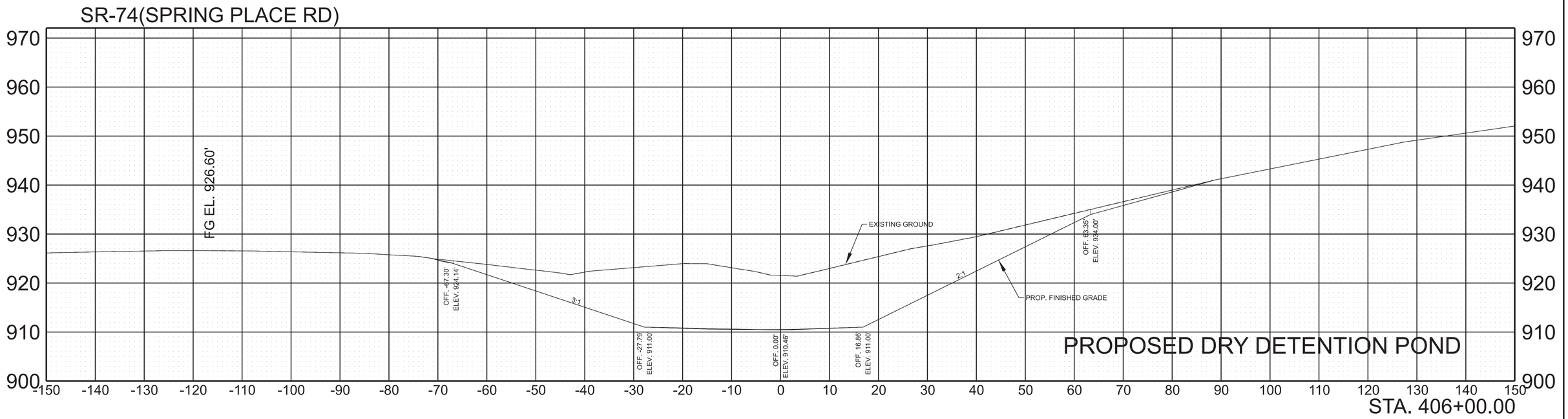
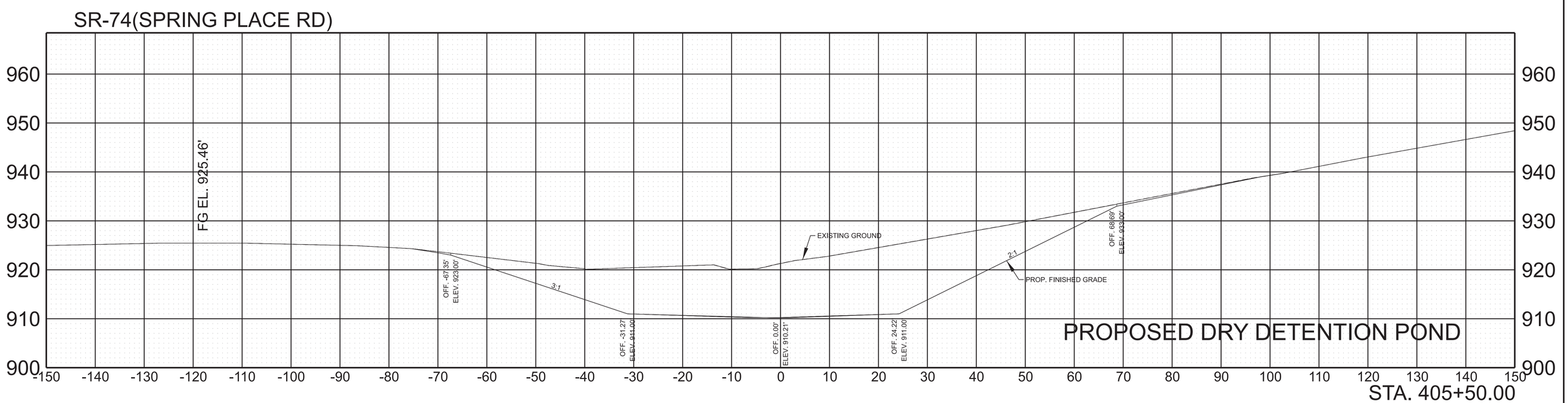
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	25
P-I-H	2025	06S074-S3-003	25
PS&E	2025	06S074-S3-003	25





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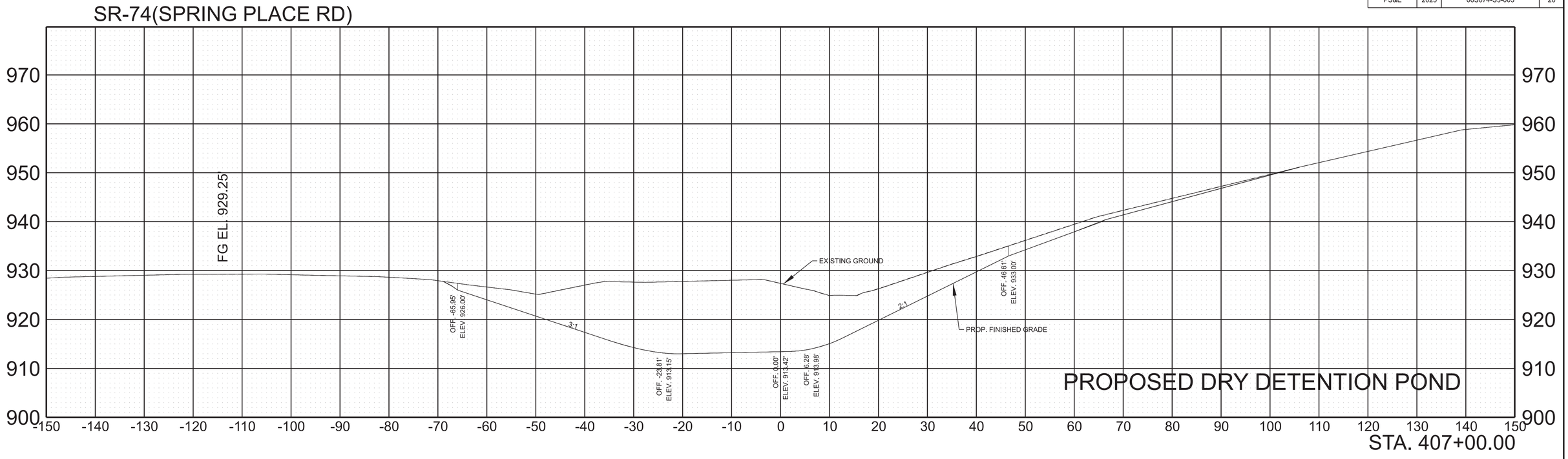
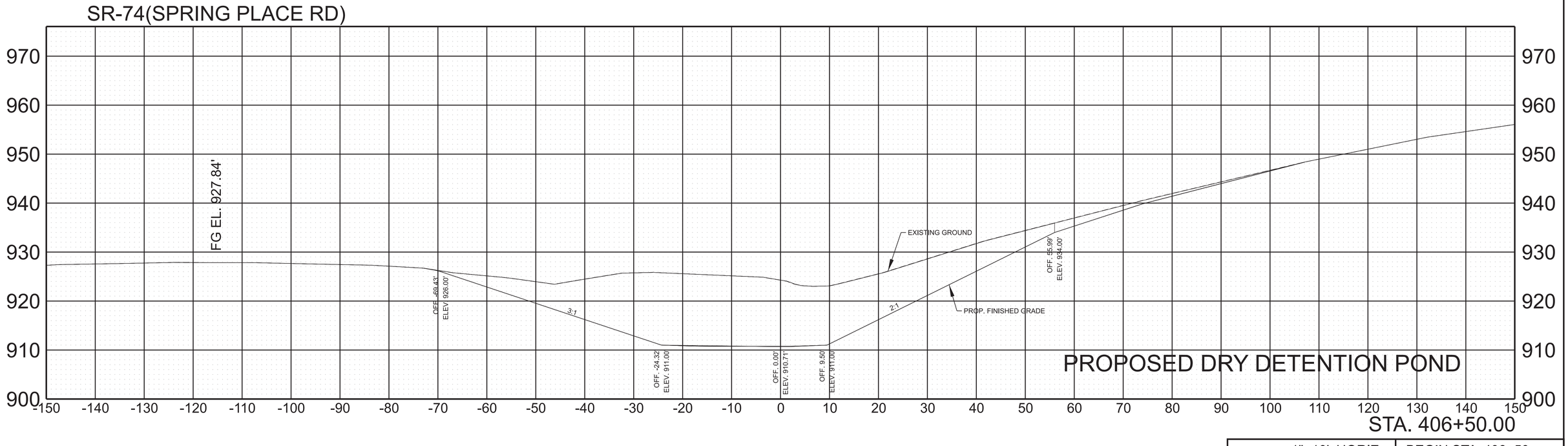
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	26
P-I-H	2025	06S074-S3-003	26
PS&E	2025	06S074-S3-003	26





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	1"=10' VERT.	END STA. 407+00

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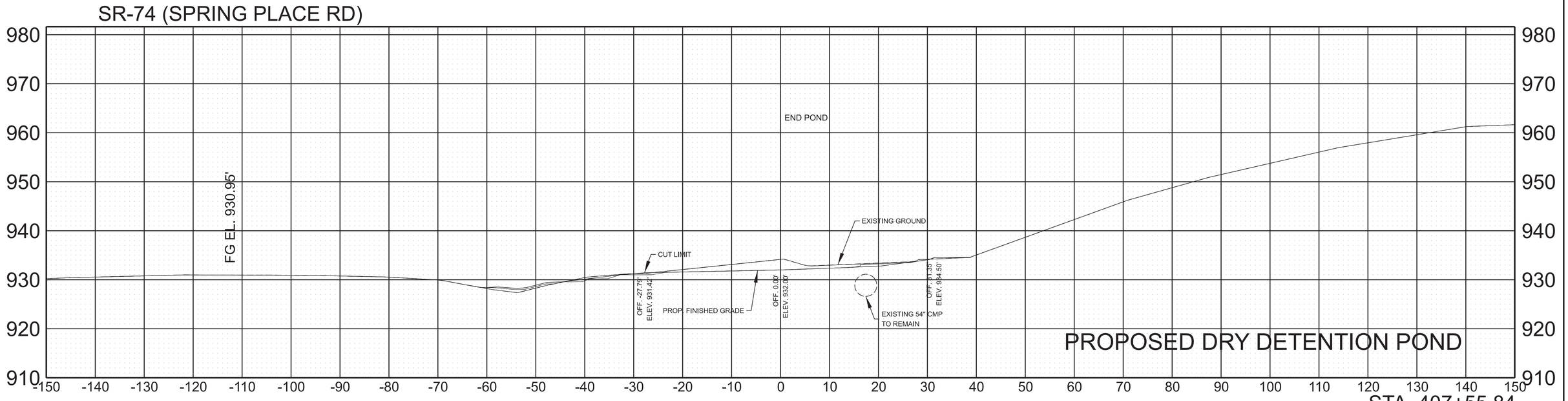
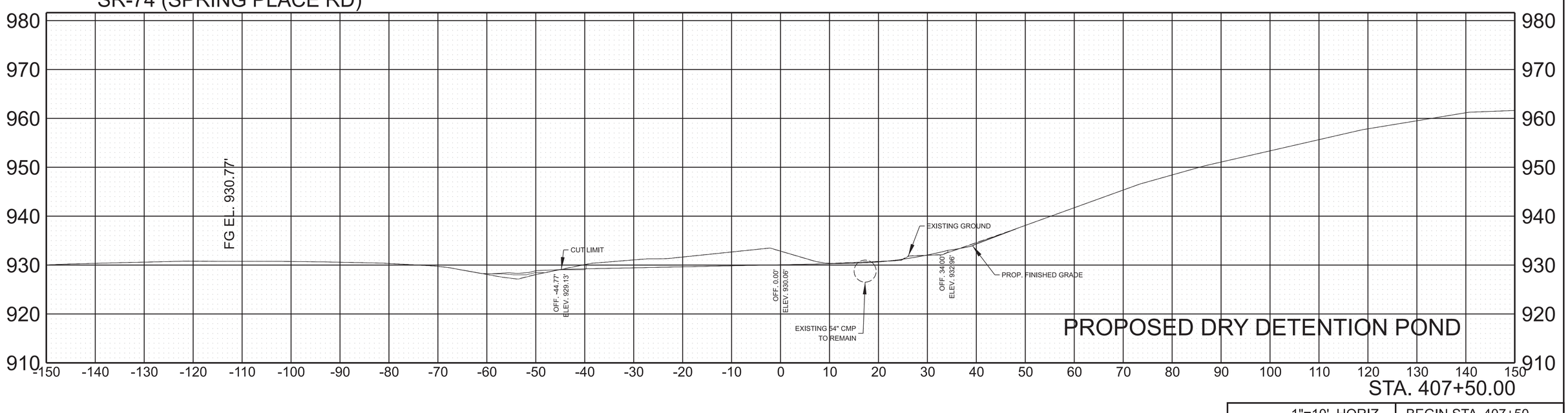
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	06S074-S2-003	27
P-I-H	2025	06S074-S3-003	27
PS&E	2025	06S074-S3-003	27





SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 407+50 END STA. 407+56

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P-I-H	2025	06S074-S3-003	T1
PS&E	2025	06S074-S3-003	T1

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   SEPARATION WILL BE PROVIDED BY USE OF PORTABLE BARRIER RAIL.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SEALED BY

ANDREW PARR
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 121197
STATE OF TENNESSEE

6-13-25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P-I-H	2025	06S074-S3-003	T2
PS&E	2025	06S074-S3-003	T2

GENERAL PHASING NOTES

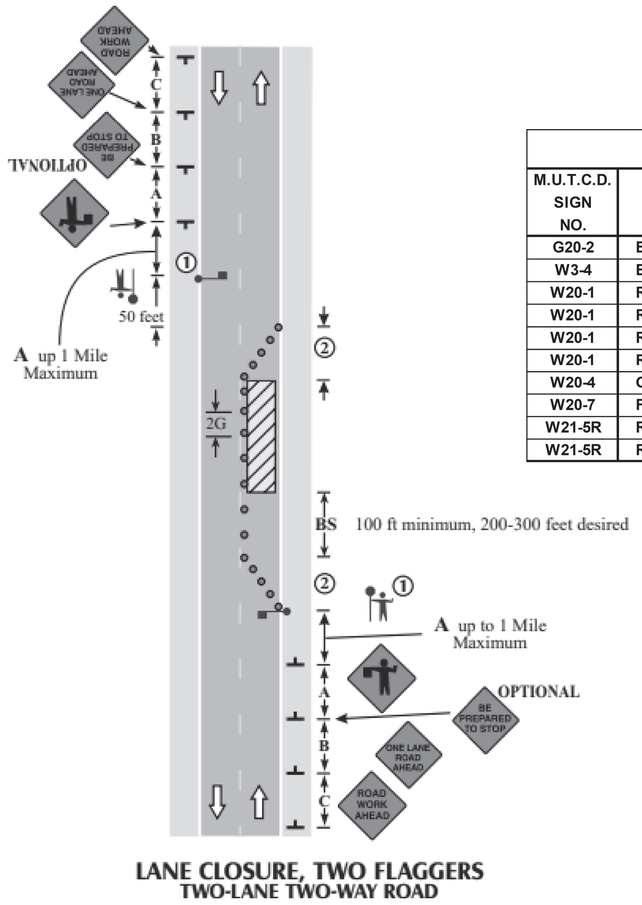
- THE CONSTRUCTION SIGNING PLAN IS TO SERVE AS A GUIDE ONLY. OTHER SIGNS MAY BE REQUIRED DURING VARIOUS PHASES OF CONSTRUCTION.
- THE TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- PORTABLE SIGNS MAY BE USED AT SOME LOCATIONS WITH THE ENGINEER'S APPROVAL. THE CONTRACTOR SHALL REFER TO SECTION 6 OF THE MUTCD REGARDING PORTABLE SIGNS.
- PRIOR TO COMMENCEMENT OF ANY WORK, ALL NECESSARY ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE ERECTED AS SHOWN IN THE PLANS AND IN ACCORDANCE WITH THE MUTCD AND TDOT STANDARD DRAWINGS.
- DURING CONSTRUCTION PHASING, NO CONSTRUCTION SIGN OR PERMANENT SIGN SHALL BE LEFT UNCOVERED OR IN PLACE WHICH MAY GIVE CONFLICTING DIRECTION OR INFORMATION TO MOTORISTS.
- ACCESS TO PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.

LANE CLOSURE, TRAFFIC DIVERSION & ROAD CLOSURE GUIDELINES

- ANY TEMPORARY LANE CLOSURES OR DIVERSIONS OF ANY TRAFFIC FLOW AT ANY LOCATION ALONG THE PROJECT SHALL BE APPROVED IN ADVANCE BY THE ENGINEER.
- ROAD CLOSURES SHALL BE APPROVED IN ADVANCE BY THE ENGINEER.
- ROAD CLOSURES SHALL BE COORDINATED WITH THE COUNTY ROAD SUPERINTENDENT(S) AND REGION 2 CONSTRUCTION DISTRICT.
- ANY SIDE ROAD CLOSURES SHALL BE APPROVED, IN ADVANCE, BY THE ENGINEER. THE CONTRACTOR SHALL DEVELOP A TRAFFIC MANAGEMENT PLAN (TMP), INCLUDING ANY DETOURS, AS APPLICABLE. THIS TMP SHALL BE REVIEWED AND APPROVED BY THE ENGINEER AND THE CITY AND/OR COUNTY ENGINEER PRIOR TO INSTALLATION. ANY COST ASSOCIATED WITH THE DEVELOPMENT AND IMPLEMENTATION OF THE TMP INCLUDING TRAFFIC CONTROL DEVICES AND MEASURES RELATED TO SIDE ROAD CLOSURES SHALL BE INCLUDED IN THE COST OF ITEM 712-01 TRAFFIC CONTROL LS. THE CONTRACTOR SHALL ONLY BE ALLOWED TO CLOSE ONE SIDE ROAD AT A TIME. SIDE ROAD CLOSURES WILL ONLY BE ALLOWED 8 AM TO 4 PM ON WEEKDAYS.

CONSTRUCTION PHASING

- THE CONTRACTOR SHALL RESTRICT OPERATIONS TO ONE SIDE OF SR-74 AT ANY ONE TIME.
- TEMPORARY LANE CLOSURES REQUIRED FOR EQUIPMENT ACCESS AND OPERATION SHALL BE SET UP AND OPERATED AS SHOWN IN FIGURE 1. THE "ROAD WORK AHEAD" SIGN IS OPTIONAL IF SIGNS "A", "B" & "C" ON SHEETS T3 & T4 ARE IN PLACE.



LANE CLOSURE, TWO FLAGGERS
TWO-LANE TWO-WAY ROAD

FIGURE 1

NOTE: A, B & C = 500 FT

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	WORK ZONE
	SIGN (CONSTRUCTION)
	TRAFFIC FLOW ARROWS
(1)	ARROW BOARD TYPE C
(1)	CHANGEABLE MESSAGE SIGN

(1) TO BE USED AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL SIGN TABULATION

M.U.T.C.D. SIGN NO.	LEGEND \ DESCRIPTION	SIZE IN INCHES L x W	S.F.	TOTAL NUMBER REQUIRED	ITEM NO. 712-06 S.F.
G20-2	END ROAD WORK	36" 18"	5	8	36
W3-4	BE PREPARED TO STOP	36" 36"	9	2	18
W20-1	ROAD WORK (1 MILE)	36" 36"	9	2	18
W20-1	ROAD WORK (1/2 MILE)	36" 36"	9	2	18
W20-1	ROAD WORK (1000 FT)	36" 36"	9	2	18
W20-1	ROAD WORK AHEAD	36" 36"	9	6	54
W20-4	ONE LANE ROAD	36" 36"	9	2	18
W20-7	FLAGGER	36" 36"	9	2	18
W21-5R	RIGHT SHOULDER CLOSED (1500 FT	36" 36"	9	4	36
W21-5R	RIGHT SHOULDER CLOSED	36" 36"	9	5	45
				TOTAL	279

TABULATED TRAFFIC CONTROL QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 06S074-S3-003
	712-01	TRAFFIC CONTROL	LS	1
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EA.	60
	712-05.03	WARNING LIGHTS (TYPE C)	EA.	30
	712-06	SIGNS (CONSTRUCTION)	S.F.	279
	712-08.03	ARROW BOARD (TYPE C)	EACH	2
(1)	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	2

(1) TO BE USED AS DIRECTED BY THE ENGINEER.

SEALED BY

ANDREW PARR REGISTERED ENGINEER AGRICULTURE COMMERCE No. 121197 STATE OF TENNESSEE

6-17-25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PHASING NOTES, LEGEND AND TABULATION

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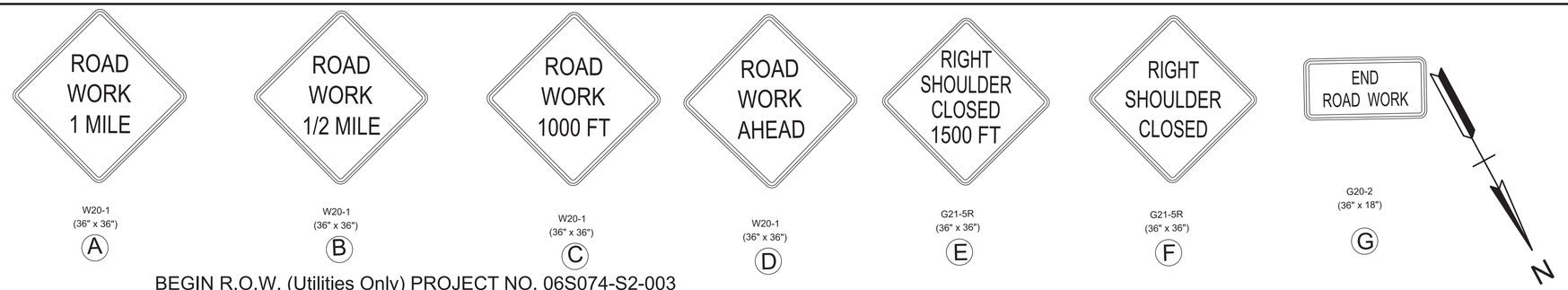
TYPE	YEAR	PROJECT NO.	SHEET NO.
P-I-H	2025	06S074-S3-003	T3
PS&E	2025	06S074-S3-003	T3



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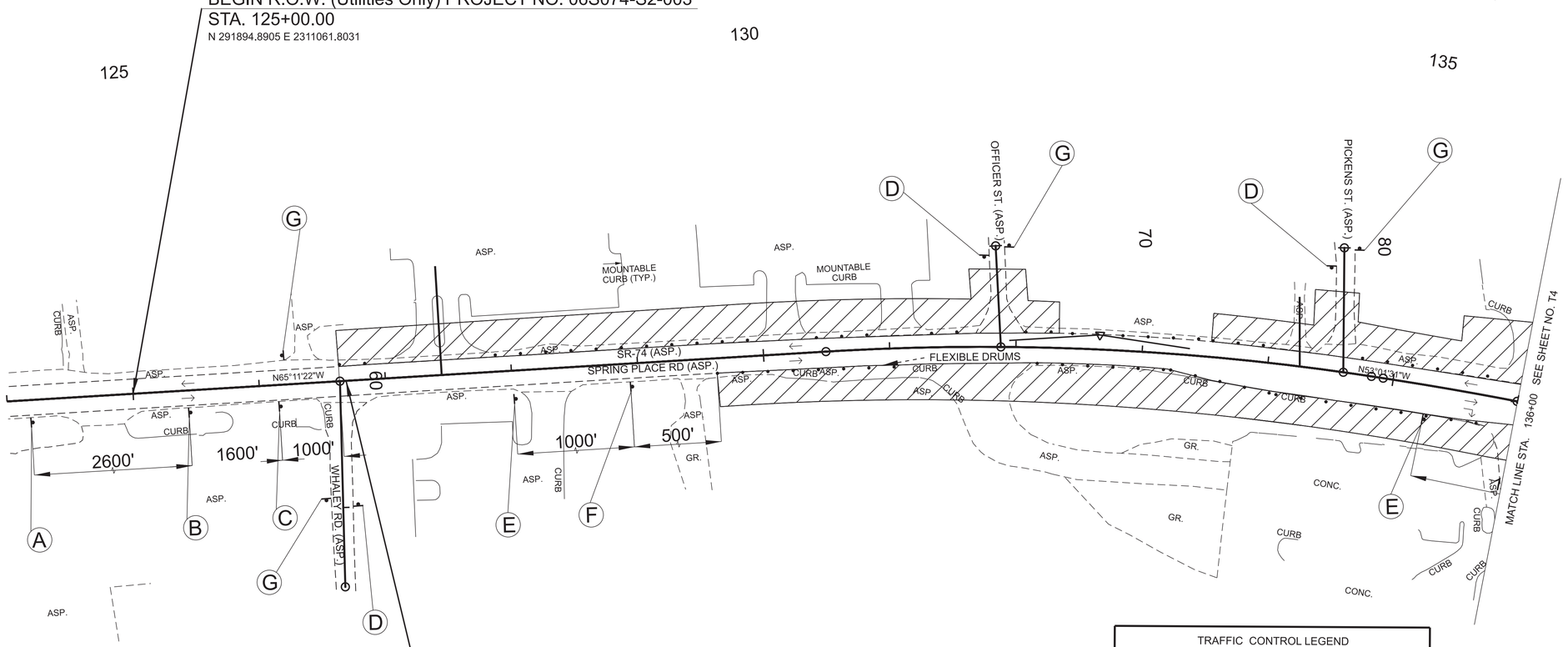

BEGIN CONSTRUCTION PROJECT NO. 06S074-S3-003
STA. 126+68.89
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TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	WORK ZONE
	SIGN (CONSTRUCTION)
	TRAFFIC FLOW ARROWS

SEALED BY

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No. 121197
STATE OF TENNESSEE

6-13-25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA. 124+00 TO STA. 136+00.00
SCALE: 1" = 50'

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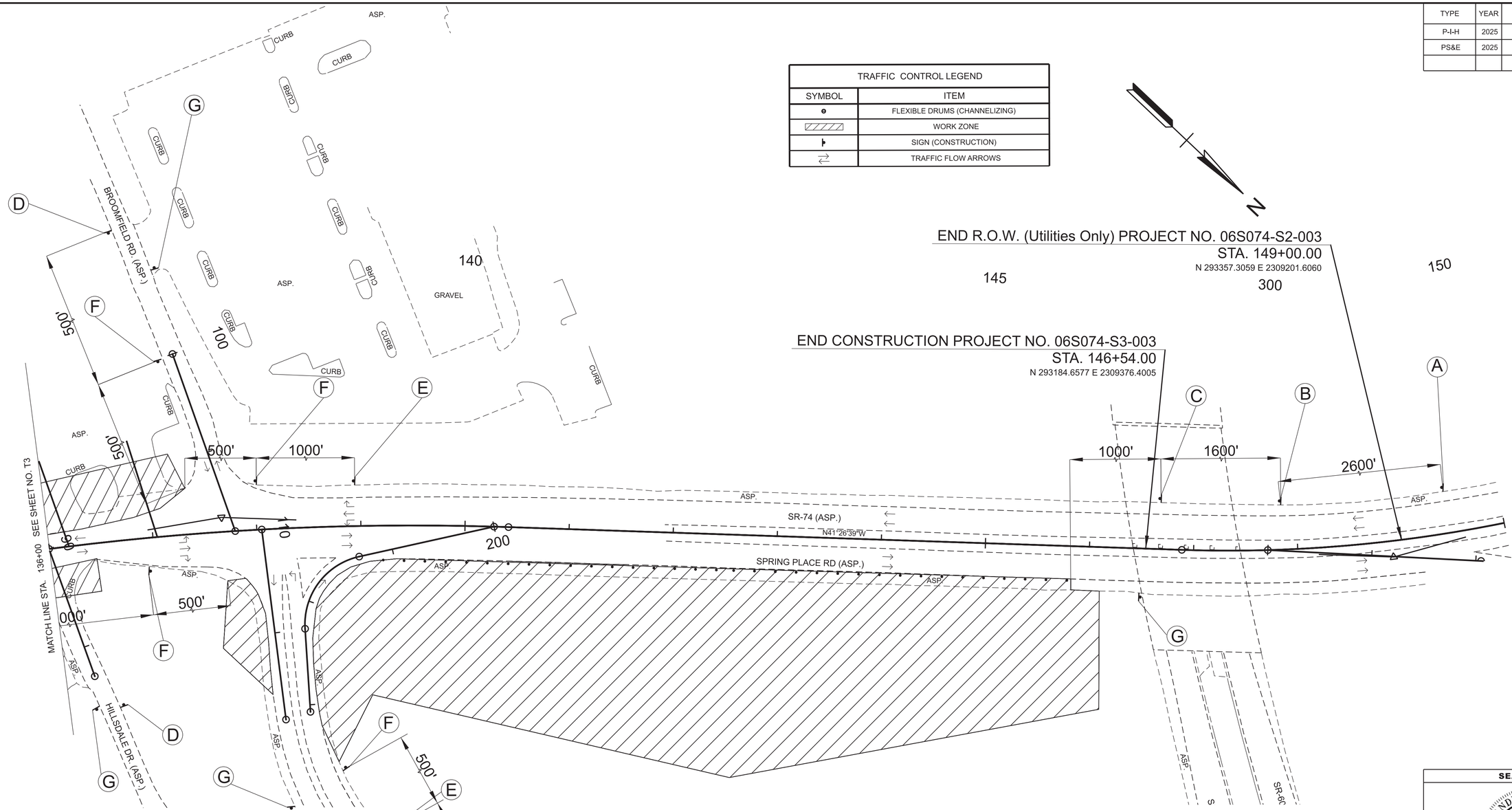
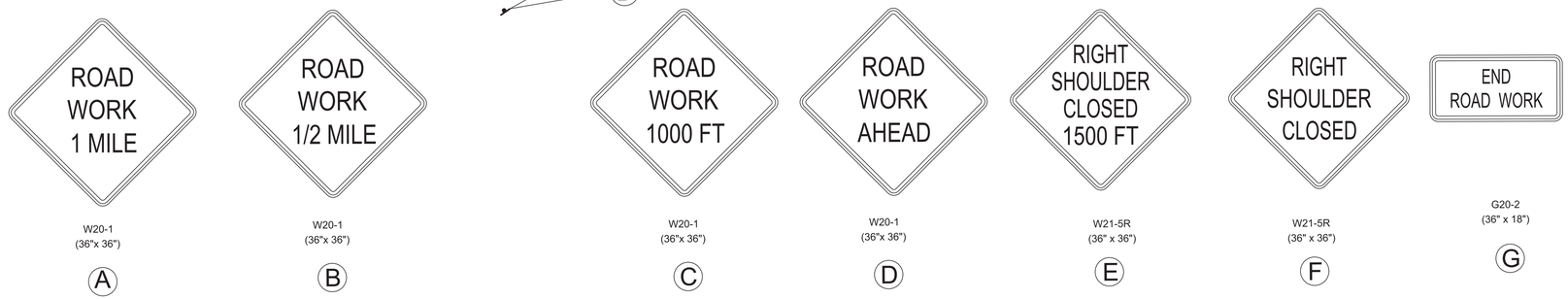
TYPE	YEAR	PROJECT NO.	SHEET NO.
P-I-H	2025	06S074-S3-003	T4
PS&E	2025	06S074-S3-003	T4

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	WORK ZONE
	SIGN (CONSTRUCTION)
	TRAFFIC FLOW ARROWS





SEALED BY

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STATE OF TENNESSEE
6-17-25

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN

STA. 136+00 TO STA. 148+00.00
SCALE: 1" = 50'

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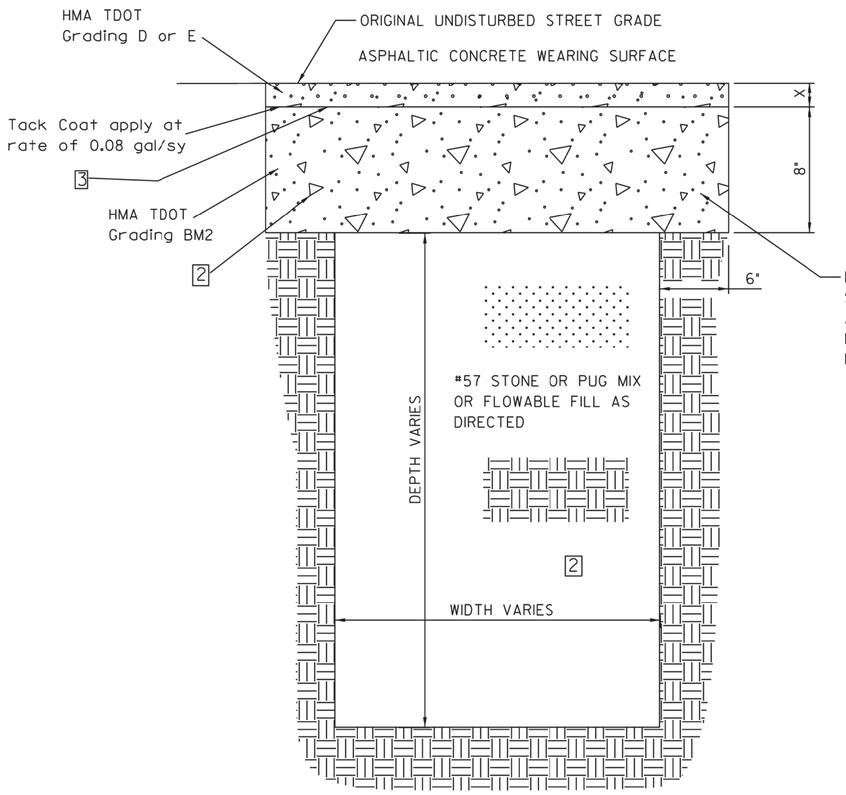
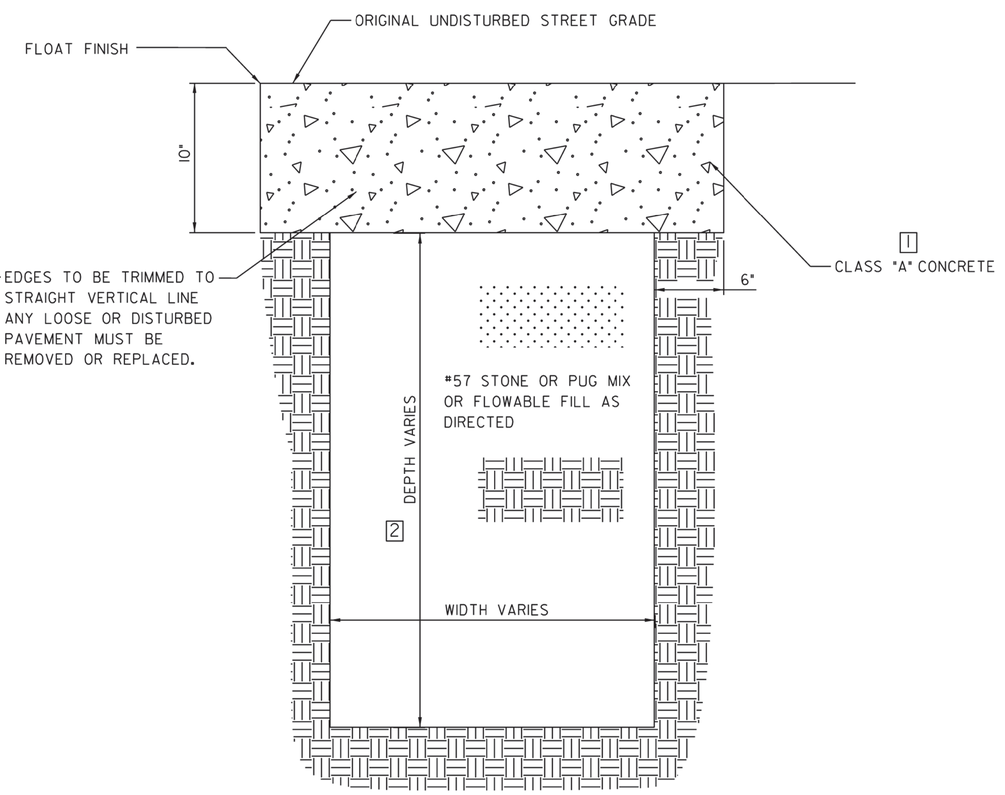
TYPE	YEAR	PROJECT NO.	SHEET NO.
REFERENCE	2025	06S074-S3-003	RF-1



PATCH FOR ASPHALTIC CONCRETE
OR SURFACE TREATED STREETS
ON ALL TYPES OF BASE

⚠ X=1.5" FOR COLLECTOR/ARTERIAL STREETS



CONCRETE PATCH

NOTES

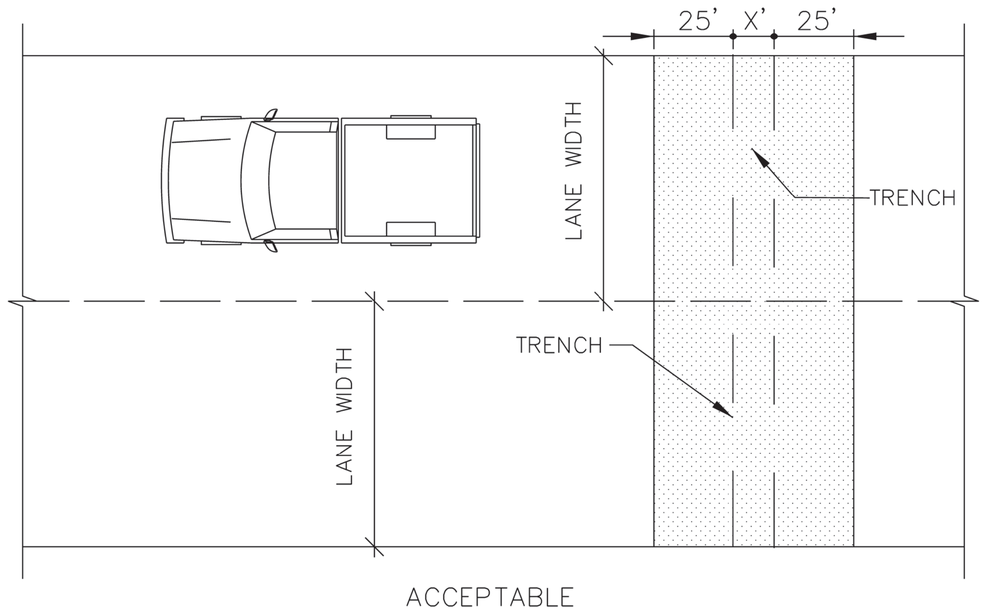
1. DO NOT ALLOW TRAFFIC ON THE COMPLETED PAVEMENT UNTIL THE CONCRETE HAS ATTAINED A COMPRESSIVE STREGTH OF 3,000 POUNDS PER SQUARE INCH OR UNTIL 14 DAYS FOLLOWING CONCRETE PLACEMENT, WHICHEVER OCCURS FIRST. COMPRESSIVE STRENGTH SHALL BE DETERMINED PER ASTM C39 BY A QUALIFIED 3RD PARTY TESTING LABORATORY. THE DEPARTMENT WILL NOT PERFORM THIS TEST.
2. COMPACT ALL BASE STONE AND HOT MIX ASPHALT TO THE MAXIMUM EXTENT POSSIBLE; UTILIZE A NUCLEAR DENSITY GAUGE TO DETERMINE APPARENT DENSITY. PERIODICALLY DURING COMPACTION CHECK DENSITY. WHEN DENSITY DOES NOT INCREASE WITH ADDITIONAL COMPACTIVE EFFORT, MAXIMUM POSSIBLE DENSITY WILL BE CONSIDERED TO HAVE BEEN ACHIEVED.
3. TACK COAT SHALL BE A PRODUCT LISTED IN TDOT STANDARD SPECIFICATION 403.02
4. BASE STONE, CONCRETE, HOT MIX ASPHALT, AND TACK COAT SHALL ALL BE SUPPLIED BY PRODUCERS ON TDOT'S APPROVED PRODUCER LIST.

TN TDOT Department of Transportation

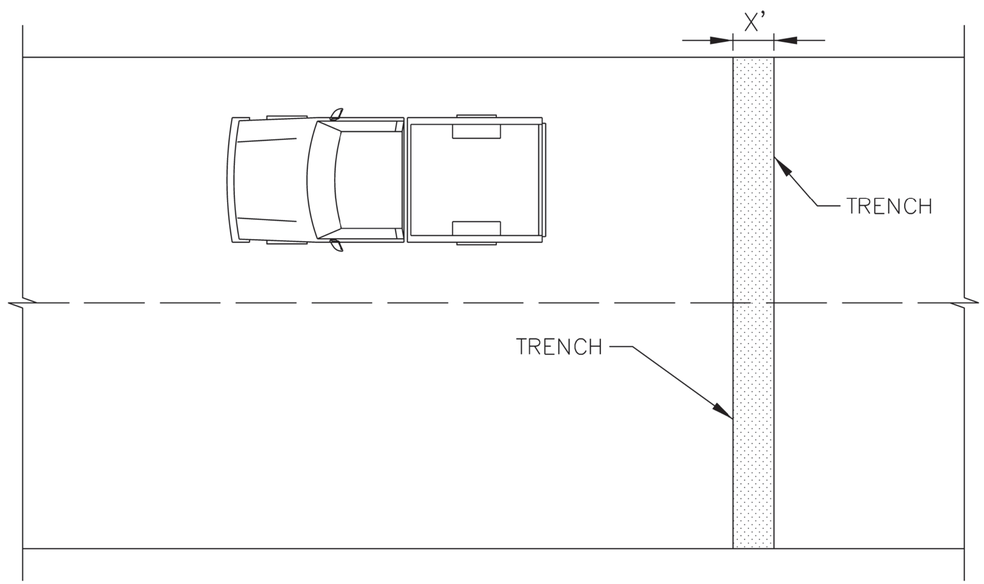
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY SHEET

TYPE	YEAR	PROJECT NO.	SHEET NO.
REFERENCE	2025	06S074-S3-003	RF-2



ACCEPTABLE



NOT TO SCALE

NOT ACCEPTABLE

NOTES

1. EXISTING PAVEMENTS SHALL BE REMOVED TO CLEAN, STRAIGHT LINES PARALLEL AND PERPENDICULAR TO THE FLOW OF TRAFFIC.
2. DO NOT CONSTRUCT PATCHES WITH ANGLED SIDES AND/OR IRREGULAR SHAPES.
3. ALL REPAIRS SHALL BE FULL LANE WIDTH.
4. FOR PATCHES IN ASPHALT, A TACK COAT SHALL BE APPLIED TO ALL EDGES OF THE EXISTING ASPHALT BEFORE PLACING THE NEW PAVEMENT.
5. AFTER PLACING THE NEW ASPHALT, ALL SEAMS (JOINTS) BETWEEN THE NEW AND EXISTING PAVEMENTS SHALL BE SEALED WITH AN ASPHALT TACK COAT OR RUBBERIZED CRACK SEAL MATERIAL.
6. TRAVERSE PATCHES SHALL BE OVERLAID ACROSS THE ENTIRE STREET WIDTH FOR A DISTANCE OF TWENTY–FIVE (25) FEET MINIMUM ON ALL SIDES OF THE TRENCH.
7. ALL CUT ASPHALT EDGES TO BE TREATED WITH A TACK COAT.
8. ALL TRAFFIC CONTROL SHALL COMPLY WITH APPLICABLE PLAN NOTES, SPECIAL PROVISIONS, TDOT STANDARD DRAWINGS, SPECIFICATIONS, AND THE CURRENT EDITION OF THE MANUAL ON UNFORM TRAFFIC CONTROL DEVICES.
9. ALL TRECHING AND EXCAVATION WORK SHALL BE COMPLIANT WITH OSHA REGULATIONS 29 CFR 1926.651 AND 1926.652.
10. SAW CUTTING REQUIRED FOR ALL REPAIRS
11. INFRARED TECHNOLOGY MAY BE USED FOR COLD JOINTS AT THE END OF EACH REPAIR AREAS.

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TN TDOT Department of Transportation

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

OPEN TRENCH PAVEMENT REPAIR DETAIL

TYPE	YEAR	PROJECT NO.	SHEET NO.
REFERENCE	2025	06S074-S3-003	RF-3
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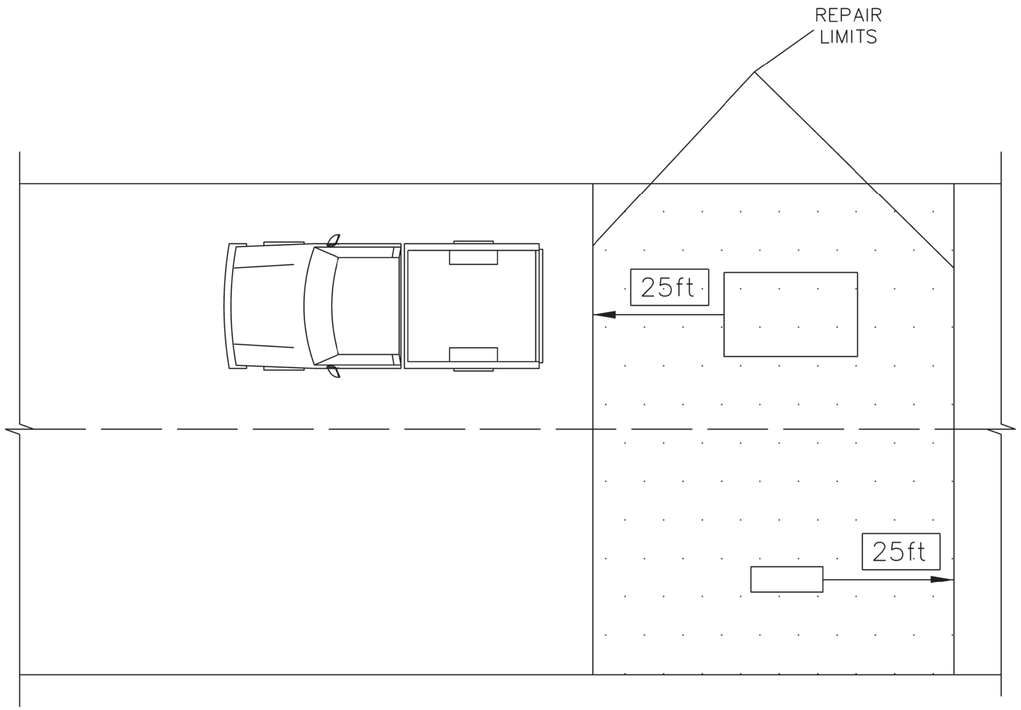

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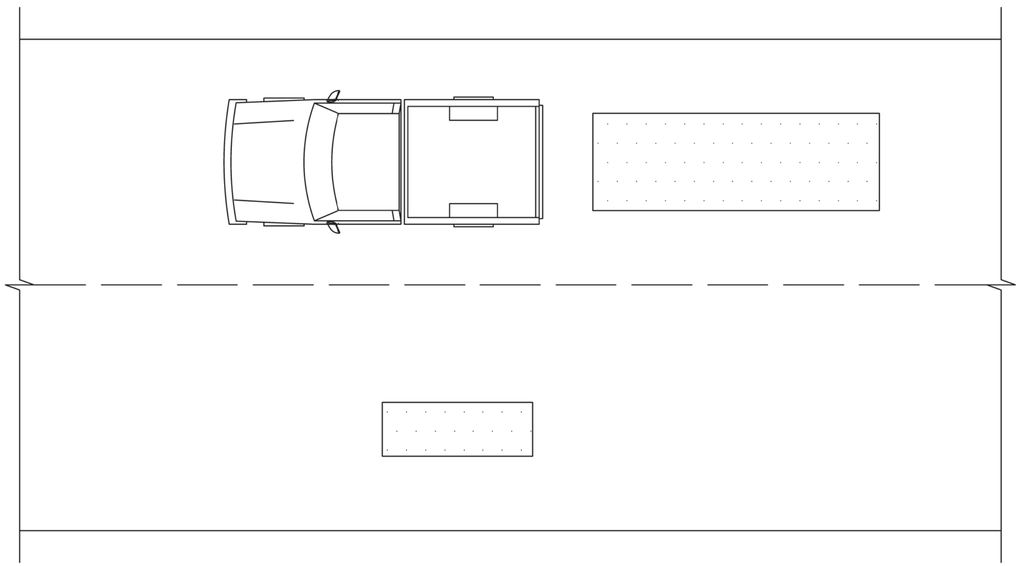

NOT ACCEPTABLE

NOT TO SCALE

NOTES

1. EXISTING PAVEMENTS SHALL BE REMOVED TO CLEAN, STRAIGHT LINES PARALLEL AND PERPENDICULAR TO THE FLOW OF TRAFFIC.
2. DO NOT CONSTRUCT PATCHES WITH ANGLED SIDES AND/OR IRREGULAR SHAPES.
3. ALL REPAIRS SHALL BE FULL LANE WIDTH.
4. FOR PATCHES IN ASPHALT, A TACK COAT SHALL BE APPLIED TO ALL EDGES OF THE EXISTING ASPHALT BEFORE PLACING THE NEW PAVEMENT.
5. AFTER PLACING THE NEW ASPHALT, ALL SEAMS (JOINTS) BETWEEN THE NEW AND EXISTING PAVEMENTS SHALL BE SEALED WITH AN ASPHALT TACK COAT OR RUBBERIZED CRACK SEAL MATERIAL.
6. TRAVERSE PATCHES SHALL BE OVERLAID ACROSS THE ENTIRE STREET WIDTH FOR A DISTANCE OF TWO (2) FEET MINIMUM ON ALL SIDES OF THE TRENCH.
7. THE EDGES OF PATCHES PARALLEL TO THE DIRECTION OF TRAFFIC SHALL BE LIMITED TO THE BOUNDARIES OF LANES OR TO THE CENTERLINE OF TRAVEL LANES.
8. ALL CUT ASPHALT EDGES TO BE TREATED WITH A TACK COAT.
9. ALL TRAFFIC CONTROL SHALL COMPLY WITH APPLICABLE PLAN NOTES, SPECIAL PROVISIONS, TDOT STANDARD DRAWINGS, SPECIFICATIONS, AND THE CURRENT EDITION OF THE MANUAL ON UNFORM TRAFFIC CONTROL DEVICES.
10. ALL TRECHING AND EXCAVATION WORK SHALL BE COMPLIANT WITH OSHA REGULATIONS 29 CFR 1926.651 AND 1926.652.
11. SAW CUTTING REQUIRED FOR ALL REPAIRS.
12. INFRARED TECHNOLOGY MAY BE USED FOR COLD JOINTS AT END OF EACH REPAIR AREAS.

TN TDOT Department of Transportation

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

WHEEL PATH PAVEMENT REPAIR DETAIL

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	06S074-S3-003	S-1

SWPPP INDEX OF SHEETS

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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
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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): 10.98 ACRES

2.3. TOTAL AREA TO BE DISTURBED (5.5.1.b): 3.01 ACRES

2.4. PROJECT DESCRIPTION (5.5.1.a):

TITLE: SR-74 (Spring Place Road), From near LM 11.150 to near LM 11.80 (ARPA)
COUNTY: Bradley
PIN: 133633.00

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) 4 and 5, DRAINAGE MAP SHEET(S) 9, USGS QUAD MAP, AND THE OUTFALL TABLE IN SECTION 4.2.

2.7. MAJOR SOIL DISTURBING ACTIVITIES (5.5.1.a) (CHECK ALL THAT APPLY):

- ☒ CLEARING AND GRUBBING
- ☒ EXCAVATION
- ☒ CUTTING AND FILLING
- ☒ FINAL GRADING AND SHAPING
- ☒ UTILITIES
- ☐ OTHER (DESCRIBE): _____

2.8. NO MORE THAN 50 ACRES OF ACTIVE SOIL DISTURBANCE IS ALLOWED AT ANY TIME DURING THE CONSTRUCTION OF THE PROJECT.

2.9. ARE THERE ANY SEASONAL LIMITATIONS ON WORK? ☐ YES ☒ NO

IF YES, LIST THE CORRESPONDING PLAN SHEET: NA

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)
Cb	A	1.0	.20
Cc	A	38.4	.20
Cd	A	1.1	.20
Fe	B	0.9	.20
Ma	B/D	1.5	.43
TmB	C	57.1	.20

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	3.57	32.51	98	0.9
PERVIOUS	7.41	67.49	66	0.3
TOTAL	10.98	100	NA	NA
WEIGHTED CURVE NUMBER OR C-FACTOR =			76	0.5

RUNOFF COEFFICIENTS FOR POST-CONSTRUCTION CONDITIONS				
AREA TYPE	AREA(AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
IMPERVIOUS	3.57	32.51	98	0.9
PERVIOUS	7.41	67.49	66	0.3
TOTAL	10.98	100	NA	NA
WEIGHTED CURVE NUMBER OR C-FACTOR =			76	0.5

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 NA)

3.2. INSTALL STABILIZED CONSTRUCTION EXITS.

3.3. INSTALL PERIMETER PROTECTION WHERE RUNOFF SHEET FLOWS FROM THE SITE.

3.4. INSTALL INITIAL EPSC MEASURES BEFORE CLEARING, GRUBBING, EXCAVATION, GRADING, CULVERT OR BRIDGE CONSTRUCTION, CUTTING, FILLING, OR ANY OTHER EARTHWORK OCCURS, EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES.

3.5. PERFORM CLEARING AND GRUBBING (NOT MORE THAN TWO WEEKS PRIOR TO GRADING OR EARTH-MOVING. REFER TO THE STABILIZATION PRACTICES BELOW.).

3.6. REMOVE AND STORE TOPSOIL.

3.7. STABILIZE DISTURBED AREAS WITHIN 2 WEEKS OF COMPLETING ANY STAGE AND/OR PHASE OF ACTIVITY (STEEP SLOPES SHALL BE STABILIZED WITHIN 1 WEEK AFTER CONSTRUCTION ACTIVITY HAS TEMPORARY OR PERMANENTLY CEASED).

3.8. INSTALL UTILITIES, STORM SEWERS, CULVERTS AND BRIDGE STRUCTURES.

3.9. INSTALL INLET AND CULVERT PROTECTION ONCE STRUCTURES ARE IN PLACE AND CAPABLE OF INTERCEPTING FLOW.

3.10. PERFORM FINAL GRADING AND INSTALL BASE STONE.

3.11. COMPLETE FINAL PAVING AND SEALING OF CONCRETE.

3.12. INSTALL TRAFFIC CONTROL AND PROTECTION DEVICES.

3.13. COMPLETE PERMANENT STABILIZATION (TOPSOIL, SEEDING, MULCH, EROSION CONTROL BLANKET, SOD, ETC.)

3.14. REMOVE TEMPORARY EROSION CONTROLS AND ACCUMULATED SEDIMENT FROM AREAS THAT HAVE ESTABLISHED AT LEAST 70 PERCENT UNIFORM PERMANENT VEGETATIVE COVER.

3.15. RE-STABILIZE AREAS DISTURBED BY REMOVAL ACTIVITIES.

4. STREAM, OUTFALL, WETLAND, TMDL AND ECOLOGY INFORMATION

4.1. STREAM INFORMATION (5.5.1.h, 5.5.1.i)

4.1.1. WILL CONSTRUCTION AND/OR EROSION PREVENTION AND SEDIMENT CONTROLS IMPACT ANY STREAMS WITHIN THE PROJECT LIMITS? ☒ YES ☐ NO

IF YES, THE IMPACT(S) HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND HAVE BEEN INCLUDED IN THE WATER QUALITY PERMITS.

4.1.2. HAVE ANY OF THE RECEIVING STATE WATERS LESS THAN OR EQUAL TO 1 FLOW MILE DOWN GRADIENT OF THE PROJECT LIMITS BEEN CLASSIFIED BY TDEC AS FOLLOWS (CHECK ALL THAT APPLY):

- ☐ 303d WITH UNAVAILABLE PARAMETERS FOR SILTATION
- ☐ EXCEPTIONAL TENNESSEE WATERS (ETW)

4.1.3. RECEIVING WATERS OF THE STATE (5.5.1.h, 5.5.1.j, 5.5.1.k).

RECEIVING WATERS OF THE STATE INFORMATION					
TDOT STATE WATER LABEL FROM EBR	NAME OF RECEIVING STATE WATER	303d WITH UNAVAILABLE PARAMETERS FOR SILTATION (YES OR NO)	ETW (YES OR NO)	LOCATED WITHIN PROJECT LIMITS (YES OR NO)	LOCATED WITHIN ≤ 1 FLOW MILE DOWN GRADIENT OF PROJECT LIMITS (YES OR NO)
STR-1	Coahulla Creek	UNASSESSED	NO	NO	YES
STR-2	Coahulla Creek	UNASSESSED	NO	YES	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	2025	06S074-S3-003	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)
WWC-1	YES	YES
WWC-2	NO	YES

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) NA.

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:NA

4.1.8. EVERY ATTEMPT SHOULD BE MADE FOR CONSTRUCTION ACTIVITIES TO NOT TAKE PLACE WITHIN THE WATER QUALITY RIPARIAN BUFFER ZONE AND FOR EXISTING FORESTED AREAS TO BE PRESERVED. (4.1.2., 6.4.2.)

4.1.9. BECAUSE OF HEAVY SEDIMENT LOAD ASSOCIATED WITH CONSTRUCTION SITE RUNOFF, WATER QUALITY RIPARIAN BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE WATER QUALITY RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA.

4.1.10. WHERE IT IS NOT PRACTICABLE TO MAINTAIN A FULL WATER QUALITY RIPARIAN BUFFER, BEST MANAGEMENT PRACTICES (BMPS) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN ZONE MUST BE USED. A JUSTIFICATION FOR USE AND DESIGN EQUIVALENCY SHALL BE DOCUMENTED WITHIN THE SWPPP. THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS SHALL REVIEW AND APPROVE THIS REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE SITE PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CGP. WHERE ISSUED, ARAP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

4.2. OUTFALL INFORMATION

4.2.1. OUTFALL TABLE (5.5.1.c). SEE SWPPP SHEET S-8 FOR OUTFALL INFORMATION.

4.2.2. HAVE ALL OUTFALLS BEEN LABELED ON THE EPSC PLAN SHEETS (5.5.1.f)? ☒ YES ☐ NO

4.2.3. HAVE ALL OUTFALLS BEEN LABELED ON A USGS TOPOGRAPHIC MAP INCLUDED IN THE "DOCUMENTATION AND PERMITS" BINDER (3.2.2.)? ☒YES ☐ NO

4.2.4. WHERE POSSIBLE, HAS NON-PROJECT RUN-ON BEEN DIVERTED AROUND OR THROUGH THE PROJECT TO ELIMINATE CONTACT WITH DISTURBED AREAS OF THE PROJECT AND SEPARATE IT FROM PROJECT RUN-OFF THEREBY REDUCING THE DRAINAGE AREA OF TO THE OUTFALLS IN THIS AREA?

☐ YES ☐ NO ☒ N/A

4.2.5. ARE EQUIVALENT MEASURES BEING SUBSTITUTED FOR A SEDIMENT BASIN(S) OR SEDIMENT TRAP(S)? (5.5.3.5.)

☐ YES ☐ NO ☒ N/A

4.2.6. A SEDIMENT BASIN, OR EQUIVALENT MEASURE(S) WILL BE PROVIDED FOR ANY OUTFALL IN A DRAINAGE AREA:

OF TEN ACRES OR MORE FOR AN OUTFALL(S) THAT DOES NOT DISCHARGE TO A STATE STREAM WITH UNAVAILABLE PARAMETERS OR EXCEPTIONAL TENNESSEE WATERS (ETW). A TEMPORARY (OR PERMANENT) SEDIMENT BASIN OR EQUIVALENT CONTROL MEASURES THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A MINIMUM 2-YEAR/ 24-HOUR STORM EVENT, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (5.5.3.5)

OR

OF FIVE ACRES OR MORE FOR AN OUTFALL(S) THAT DISCHARGES TO A STATE STREAM WITH UNAVAILABLE PARAMETERS OR EXCEPTIONAL TENNESSEE WATERS (ETW). A TEMPORARY (OR PERMANENT) SEDIMENT BASIN THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/ 24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (6.4.1.e).

ALL CALCULATIONS RELATED TO DRAINAGE AREAS, RUNOFF COEFFICIENTS, BASIN VOLUMES AND EQUIVALENT CONTROL MEASURES MUST BE PROVIDED IN THE SWPPP (5.5.3.5.)

4.2.7. A SEDIMENT TRAP, OR EQUIVALENT MEASURE(S) WILL BE PROVIDED FOR ANY OUTFALL IN A DRAINAGE AREA:

OF 3.5 - 4.9 ACRES FOR AN OUTFALL(S) THAT DISCHARGES TO A STATE STREAM WITH UNAVAILABLE PARAMETERS (303d SILTATION) OR EXCEPTIONAL TENNESSEE WATERS (ETW). A SEDIMENT TRAP THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (6.4.1.f).

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

4.2.8. SEDIMENT STRUCTURES TREATING DRAINAGE AREAS IN EXCESS OF 25 ACRES REQUIRE A SITE-SPECIFIC DESIGN THAT ACCURATELY DEFINES THE SITE HYDROLOGY, SITE-SPECIFIC SEDIMENT LOADING, HYDRAULICS OF THE SITE, AND ADHERES TO ALL TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK DESIGN RECOMMENDATIONS FOR SEDIMENT BASINS. (5.5.3.5.)

4.3. WETLAND INFORMATION

WILL CONSTRUCTION AND/OR EROSION AND SEDIMENT CONTROLS IMPACT ANY WETLANDS? ☐ YES ☒ NO

IF YES, THE STRUCTURAL EPSC MEASURES HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND IN THE WATER QUALITY PERMITS.

WETLAND INFORMATION				
TDOT WETLAND LABEL	FROM STATION LT OR RT	TO STATION LT OR RT	TEMPORARY IMPACTS (AC)	PERMANENT IMPACTS (AC)
WTL-1	145+00	146+00	NA	NA
WTL-1a	137+79	141+00	NA	NA
WTL-2	110+50	111+00	NA	NA

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) NA.

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) NA.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	06S074-S3-003	S-3

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 S-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 13A 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 13A (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: NA

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	2025	06S074-S3-003	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.

Digitally signed by Scott Medlin
Date: 2025.03.26 16:32:33 -04'00'

AUTHORIZED TDOT PERSONNEL SIGNATURE (5.3.3.)

Scott Medlin

PRINTED NAME

TDOT Manager

TITLE

3/26/2025

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

ENVIRONMENTAL PERMITS			
PERMIT	**YES OR NO**	**PERMIT OR TRACKING NO.**	**EXPIRATION DATE***
TDEC ARAP			
CORPS OF ENGINEERS (USACE)			
TVA 26A			
TDEC CGP			
OTHER:			

*THE TDOT ENVIRONMENTAL DIVISION MUST BE NOTIFIED SIX MONTHS PRIOR TO PERMIT EXPIRATION 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)**:

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	2025	06S074-S3-003	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		137+83.02 RT	1.65	0.14			NA	NA	Coahulla Creek	NA
OUT-2		139+10.91 RT	3.31	0.54			NA	NA	Coahulla Creek	NA
OUT-3		139+18.77 RT	5	1.54			NA	NA	Coahulla Creek	NA
OUT-4		126+67.70 LT	0.85		0.19		NA	NA	Coahulla Creek	NA
OUT-5		131+32.65 LT	0.5		0.18		NA	NA	Coahulla Creek	NA
OUT-6		133+68.57 LT	1.37		0.18		NA	NA	Coahulla Creek	NA
OUT-7		136+38.37 LT	1.3		0.31		NA	NA	Coahulla Creek	NA
OUT-8		139+15.64 RT	0.5/3.9		0.49	2.56	NA	NA	Coahulla Creek	NA
OUT-9		136+76.26 RT	0.4		0.13	0.13	NA	NA	Coahulla Creek	NA

ALL UNUSED FIELDS WITHIN THE OUTFALL TABLE ARE TO BE SHADED, HATCHED, OR REMOVED TO INDICATE THEIR NON-USAGE.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

TYPE	YEAR	PROJECT NO.	SHEET NO.
UTILITY	2025	06S074-S1-003	U1-1
		133633.00	

Index Of Sheets	
SHEET NAME	SHEET NUMBER
UTILITIES INDEX, UTILITIES OWNERS, GENERAL NOTES AND UTILITY SHEETS	U1-1 TO U1-3

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

BRADLEY COUNTY

STATE ROUTE 74 (SPRING PLACE ROAD) FROM NEAR LM 11.150 TO NEAR 11.80 (ARPA)

SPECIAL NOTES

UTILITIES ARE MOVING AT NO COST TO THE STATE.

LOCATIONS ARE APPROXIMATE AND FOR REFERENCE ONLY

UTILITY OWNERS AND CONTACTS:

COMMUNICATIONS: AT&T
360 GEES MILL BUSINESS PARKWAY
CONYERS, GA 30013

MR. JOE PERREL
JP1389@ATT.COM
(423) 266-1566

GAS: SOUTHERN GAS COMPANY
PO BOX 4569
ATLANTA, GA 30302

MR. BRANDON STEPHENS
BSTEPHEN@SOUTHERCO.COM
(404) 323-4038

WATER:

CLEVELAND UTILTIES
2450 GUTHERIE DRIVE NW
CLEVELAND, TN 37311

MR. GARY CLARK
GCLARK@CLEVELANDUTILITES.COM
(423) 472-4521

(NO KNOWN CONFLICTS)
ELECTRIC:

CLEVELAND UTILTIES
2450 GUTHERIE DRIVE NW
CLEVELAND, TN 37311

MR. JIMMY ISOM
JISOM@CLEVELANDUTILITES.COM
(423) 472-4521

(NO KNOWN CONFLICTS)
WATER:

OCOEE UTILITY DISTRICT
PO BOX 305
OCOEE, TN 37361

MR. TIM LAWSON
TIMOUD@BELLSOUTH.NET
(423) 559-8505

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

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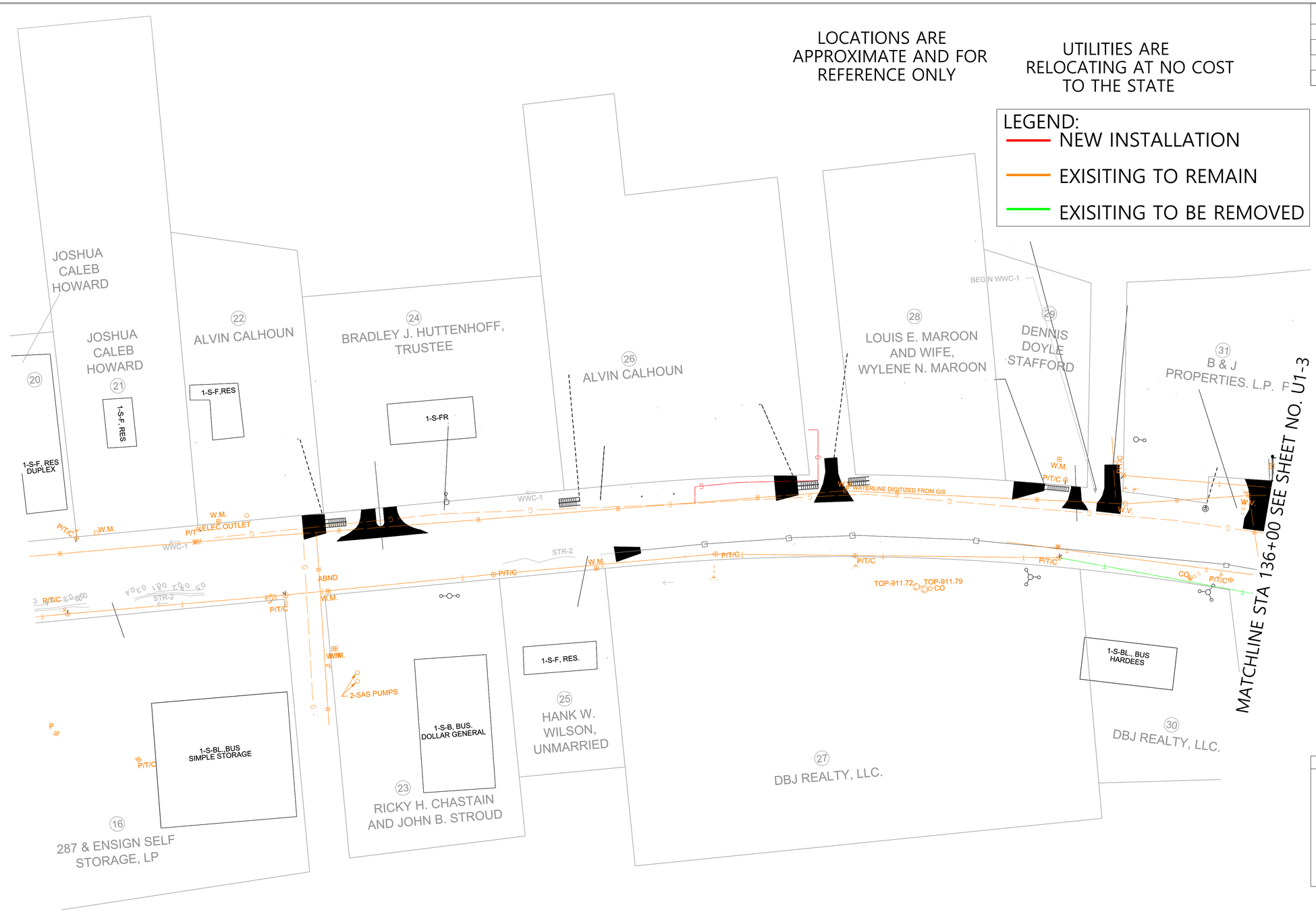
TYPE	YEAR	PROJECT NO.	SHEET NO.
UTILITY	2025	06S074-S1-003	U1-2

LOCATIONS ARE APPROXIMATE AND FOR REFERENCE ONLY

UTILITIES ARE RELOCATING AT NO COST TO THE STATE

LEGEND:
- NEW INSTALLATION
- EXISITING TO REMAIN
- EXISITING TO BE REMOVED



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DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

STA. 124+00 TO STA. 136+00
SCALE: 1" = 50'

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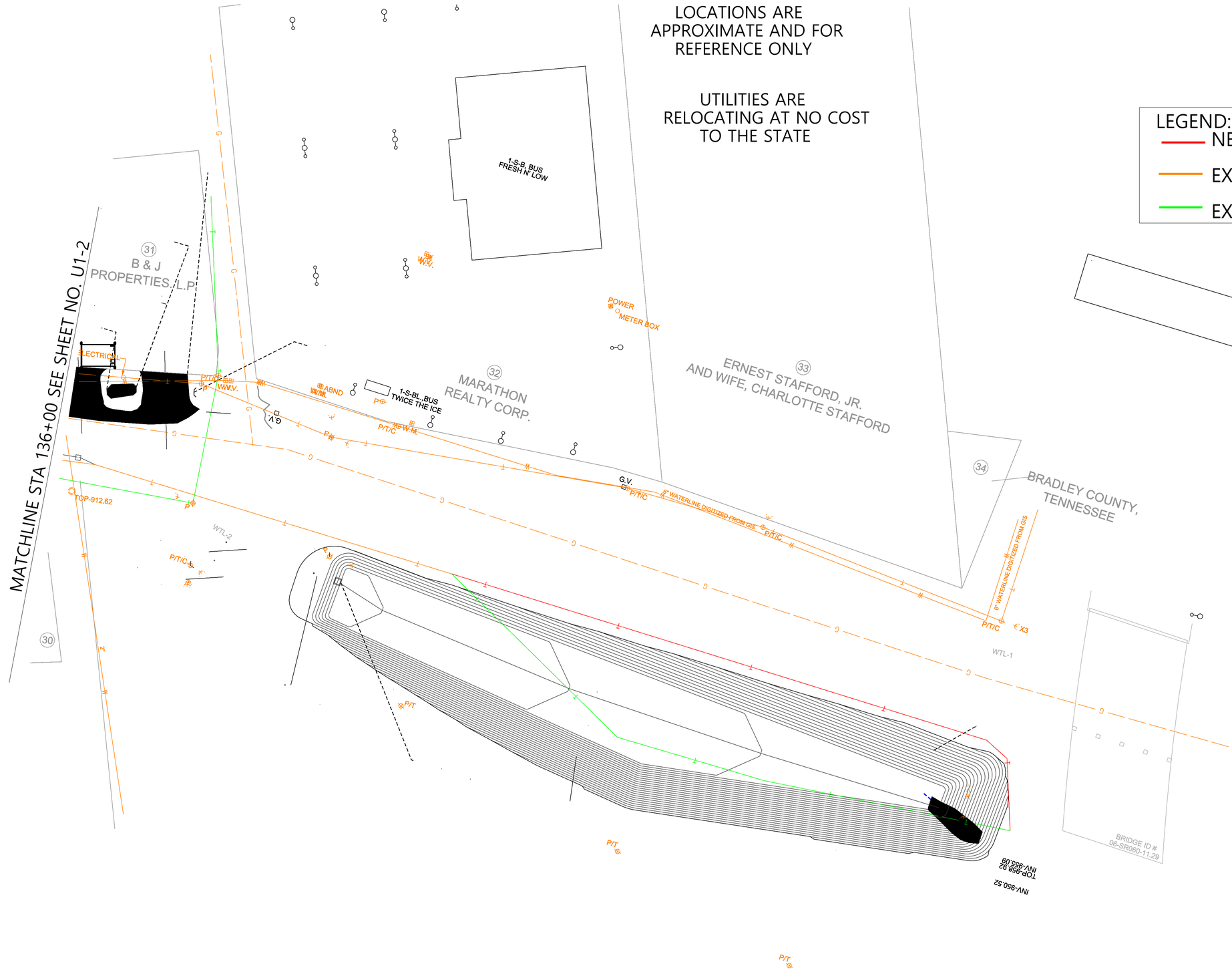
TYPE	YEAR	PROJECT NO.	SHEET NO.
UTILITY	2025	06S074-S1-003	U1-3

LOCATIONS ARE APPROXIMATE AND FOR REFERENCE ONLY

UTILITIES ARE RELOCATING AT NO COST TO THE STATE

LEGEND:
- NEW INSTALLATION
- EXISITING TO REMAIN
- EXISITING TO BE REMOVED



SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

STA. 136+00 TO STA. 148+00
SCALE: 1" = 50'

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