



Contact Info: andrew.parr@arcadis.com  
Date: 2025.07.18 15:53:33-04'00'

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

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

**SHEET NO.**

ESTIMATED ROADWAY QUANTITIES .....2

REV. 07.18.25  
SHEET ADDED.

# SIGNATURE SHEET

ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEET.....	ROADWAY-SIGN1
SIGNATURE SHEET.....	ROADWAY-SIGN2
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 ROAD 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
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	DWG.	REV.	DESCRIPTION
<b>10-100.00</b>		<b>STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS</b>	<b>10-107.00</b>		<b>EROSION PREVENTION AND SEDIMENT CONTROL</b>
RD-TP-1	10-01-24	STANDARD ROADWAY DRAWINGS TITLE SHEET	EC-STR-3C	03-01-23	SILT FENCE WITH WIRE BACKING
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L	EC-STR-8	06-10-14	FILTER SOCK
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z	EC-STR-37	06-10-14	SEDIMENT TUBE
RD-L-1	02-20-20	STANDARD LEGEND	EC-STR-6A	05-06-16	ENHANCED ROCK CHECK DAM
RD-L-1A		STANDARD LEGEND	EC-STR-11	03-16-17	CULVERT PROTECTION TYPE 1
RD-L-5	07-30-24	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL	EC-STR-19	04-01-08	CATCH BASIN PROTECTION
RD-L-6	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL	EC-STR-43		CATCH BASIN FILTER ASSEMBLY (TYPE 3)
RD-L-7	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL	EC-STR-43A		CATCH BASIN FILTER ASSEMBLY (TYPE 3) SLIPCOVER DETAILS
<b>10-101.00</b>		<b>STANDARDS ROADWAY DRAWINGS</b>	EC-STR-11A	08-01-12	CULVERT PROTECTION TYPE 2
RD11-TS-1A	06-28-19	DESIGN STANDARDS FOR LOCAL ROADS AND STREETS	EC-STR-30		INSTREAM DIVERSION (WITHOUT TRAFFIC)
RD11-S-11		DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT	EC-STR-30A		INSTREAM DIVERSION (WITH TRAFFIC)
RD11-S-11A		ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION	<b>10-204.00</b>		<b>DESIGN - TRAFFIC CONTROL</b>
RD11-S-11B		DESIGN AND CONSTRUCTION DETAILS FOR ROCK CUT SLOPE AND CATCHMENT	T-M-1	01-24-25	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
<b>10-102.00</b>		<b>PIPE CULVERTS AND ENDWALLS</b>	T-M-2	01-24-25	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
D-PB-1	03-01-23	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION	T-M-3	01-24-25	MARKING STANDARDS FOR TRAFFIC ISLANDS, PAVED SHOULDERS AND MEDIANS FOR CONVENTIONAL ROADS
D-PB-4	01-09-24	PIPE COLLAR DETAILS	T-M-4	01-24-25	STANDARD INTERSECTION PAVEMENT MARKINGS
D-PO-1	06-28-19	STANDARD OVAL AND REINFORCED CONCRETE ARCH PIPE CULVERT	T-WZ-40	03-26-25	RIGHT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
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)	T-WZ-41	03-26-25	LEFT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
D-PE-30B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 30" PIPE, BILL OF STEEL AND PRECAST NOTES	T-WZ-FAB1	03-26-25	FLASHING YELLOW ARROW BOARD
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)			
<b>10-103.00</b>		<b>CATCH BASINS AND MANHOLES</b>			
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			
<b>10-104.00</b>		<b>ROADWAY, PAVEMENT APPURTENANCES, AND FENCES</b>			
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			

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

REV. 07.18.25  
ADDED SHEET ROADWAY-SIGN2  
TO ROADWAY INDEX.



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX  
AND  
STANDARD  
ROADWAY  
DRAWINGS


ESTIMATED ROADWAY QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY 06S074-S3-003
(1)	105-01 CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	201-01 CLEARING AND GRUBBING	LS	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
(6)	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
	202-08.10 REMOVAL OF CURB (MOUNTABLE CONCRETE CURB)	L.F.	242
	203-01 ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	28096
	203-04 PLACING AND SPREADING TOPSOIL	C.Y.	1400
	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
(4)	209-20.20 DETENTION POND OUTLET STRUCTURE	EACH	1
	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
	303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	171
	303-10.01 MINERAL AGGREGATE (SIZE 57)	TON	206
	307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	115
	402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	0.6
	402-02 AGGREGATE FOR COVER MATERIAL (PC)	TON	2.4
(3),(9)	403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	0.1
	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 CONCRETE PIPE CULVERT	L.F.	58
	607-67.11 24" FOLDED PVC PIPE LINER	L.F.	142
	607-67.13 36" FOLDED PVC PIPE LINER	L.F.	607
	611-07.01 CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	9
(5)	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
	702-01.02 CONCRETE CURB	L.F.	242
	707-08.11 HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	957
	709-05.05 MACHINED RIP-RAP (CLASS A-3)	TON	50
	709-05.06 MACHINED RIP-RAP (CLASS A-1)	TON	308
	709-05.08 MACHINED RIP-RAP (CLASS B)	TON	227
(4)	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
	712-08.03 ARROW BOARD (TYPE C)	EACH	2
	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
	740-10.03 GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	689
(4),(12)	740-11.03 TEMPORARY SEDIMENT TUBE 18IN	L.F.	3468
	801-01 SEEDING (WITH MULCH)	UNIT	50
	801-01.07 TEMPORARY SEEDING (WITH MULCH)	UNIT	93
	801-01.38 NATVE SEED MX FINAL STABILIZATN OF SLOPES	UNIT	1
	801-03 WATER (SEEDING & SODDING)	M.G.	119
	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.

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

REV. 07.18.25  
ADDED ITEM 105-01 CONSTRUCTION STAKES, LINES AND GRADES.

SEALED BY



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ESTIMATED  
ROADWAY  
QUANTITIES