DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		100098	24	27
				(2)	PLAN AND PROFILE SHEET			

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.19932
CAROLINE OLIVIA FOX
9/24/2021

LEGEND

PAVEMENT TRANSITION

DUMPED RIPRAP LINED DITCH

N

STA. 10+66.50 TO STA. 12+14.50
EXISTING BRIDGE NO. M2052
148' x 22.8' STEEL THRU TRUSS BRIDGE
SUPERSTRUCTURE (TIMBER BEAMS AND STEEL THRU TRUSS)
(15'-19'-76'-19'-19') WITH SUBSTRUCTURE
COMPOSED OF TIMBER PILE BENTS
REMOVE AS EXISTING BRIDGE STRUCTURE
(SITE NO. 1) = 1.00 LUMP SUM

25' BUFFER ZONE. REFER TO SPECIAL PROVISION "STORM WATER POLLUTION PREVENTION PLAN".

STA. 11+36.00 CONSTRUCT
SEXTUPLE 12' X 14' X 60' R.C. BOX CULVERT
WITH 31 WINGS LT. & RT.
Q25= 3550 CFS D.A.= 39 SQ. MI.
SPAN=78.17'

DITCH NO. 6

STA. 9+47.00 IN PLACE
30" X 31' C.M. PIPE CULVERT
LT. SIDE DRAIN
REMOVE AND INSTALL
30" X 50' LT. SIDE DRAIN
CONST. APPROACH = 185 CU. YDS.

STA. 13+35.00 IN PLACE
24" X 52' C.M. PIPE CULVERT
LT. SIDE DRAIN
REMOVE AND INSTALL
24" X 50' LT. SIDE DRAIN
CONST. APPROACH = 155 CU. YDS.

STA. 9+68.00 IN PLACE
24" X 30' C.M. PIPE CULVERT
RT. SIDE DRAIN
REMOVE AND INSTALL
24" X 48' RT. SIDE DRAIN
CONST. APPROACH = 175 CU. YDS.

EXIST. R/W

PROP. R/W

CONST. LIMITS

POB STA. 6+00.00
C.L. HWY. 148

POE STA. 17+00.00
C.L. HWY. 148

N89°30'00"E
C.L. HWY 148

R =20'

16'

4'

20'

22'

T.C.E.

100' TRANSITION TO MATCH EXIST.

+45.00

+12.00

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 10+16.16 TO STA. 10+66.40 RT. OF C.L. HWY. 148 = 50 LIN. FT.
STA. 10+16.52 TO STA. 10+66.52 LT. OF C.L. HWY. 148 = 50 LIN. FT.
STA. 12+14.06 TO STA. 12+64.59 RT. OF C.L. HWY. 148 = 51 LIN. FT.
STA. 12+15.09 TO STA. 12+64.19 LT. OF C.L. HWY. 148 = 49 LIN. FT.

STA. 10+12.00
BEGIN JOB 100098
L.M. 4.04

STA. 12+45.00
END JOB 100098

DUMPED RIP RAP

STA.	STA.	SIDE	LENGTH	"W"	CU.YDS.
9+72	9+81	LT.	=10 LIN. FT.	6'- 0"	4
9+92	10+01	RT.	=10 LIN. FT.	6'- 0"	4
10+12	10+78	RT.	=72 LIN. FT.	6'- 0"	24
10+12	10+78	LT.	=70 LIN. FT.	6'- 0"	24
10+77	10+92	LT.	=15 LIN. FT.	6'- 0"	5
10+78	10+93	RT.	=15 LIN. FT.	6'- 0"	5
11+79	11+94	LT.	=15 LIN. FT.	6'- 0"	5
11+79	11+94	RT.	=15 LIN. FT.	6'- 0"	5
11+95	12+45	RT.	=53 LIN. FT.	6'- 0"	18
11+95	12+45	RT.	=54 LIN. FT.	6'- 0"	18
13+00	13+10	LT.	=10 LIN. FT.	6'- 0"	6

HWY. 148

REFER TO SURVEY CONTROL DETAILS FOR HORIZONTAL AND VERTICAL CONTROLS.

VC=170.00'
K=155
e=-0.23'

PVI 10+12.00 ELEV. 236.63
PVC 10+75.00 ELEV. 236.88
PVI 11+60.00 ELEV. 237.22
PVT 12+45.00 ELEV. 236.63

0.40% (EXIST.)
0.40%
0.40%
-0.70%
-0.70% (EXIST.)

PROFILE GRADE
EXISTING GROUND
EXCAVATION LIMITS

14.36% RT. DT. GR.
10.77% LT. DT. GR.
13.60% LT. DT. GR.
10.60% RT. DT. GR.
0.00% LT. DT. GR.
0.00% RT. DT. GR.

+12.00 LT. 226.51
+12.00 RT. 228.48

+78.00 LT. 219.40
+78.00 RT. 219.00

Q25 DESIGN H.W. ELEV. 233.37

+95.00 LT. 219.40
+95.00 RT. 219.00

+45.00 LT. 226.20
+45.00 RT. 224.30

FL. IN LT. = 219.40
FL. OUT RT. = 219.00

FOR THE CONSTRUCTION OF TEMPORARY RAMPS OR HAUL ROADS, THIS STREAM IS CLASSIFIED AS A PERENNIAL STREAM. THE STREAM BANK ELEVATION IS 229 FT. MSL BETWEEN STATIONS 10+55 AND 12+55. REFER TO SECTION 110.05(c) OF THE 2014 STANDARD SPECIFICATIONS.

280 270 260 250 240 230 220 210 200 190

4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00

ByronLawrence 9/27/2021 4:55:30 PM
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REVISED DATE: $$REVDATE$$