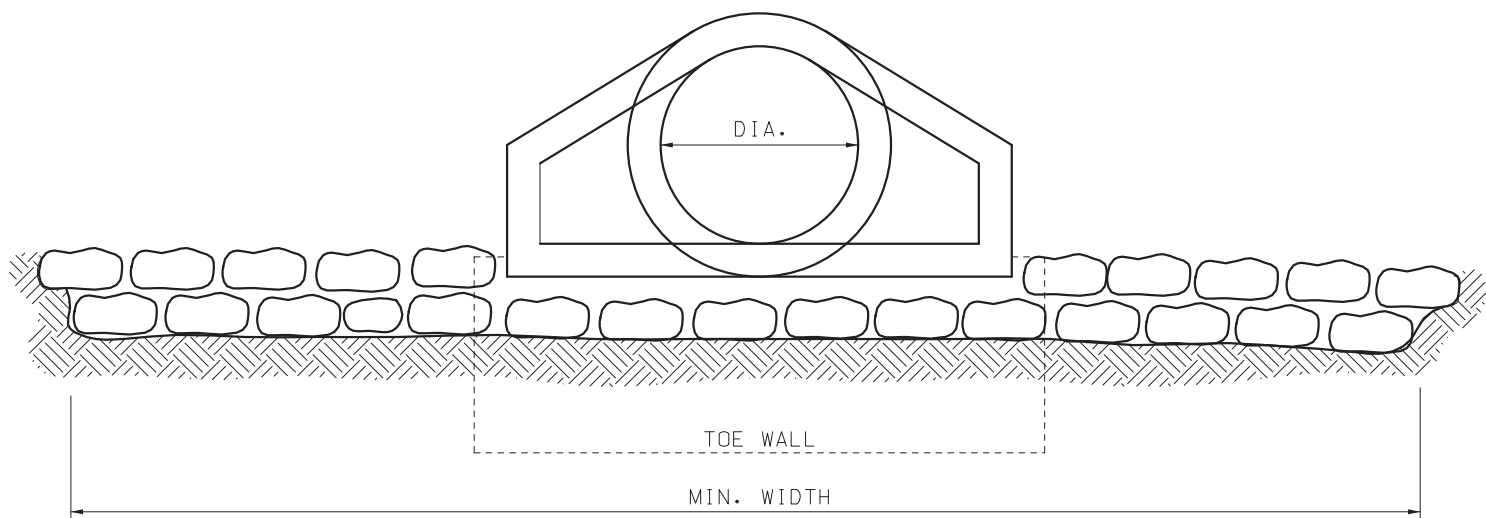
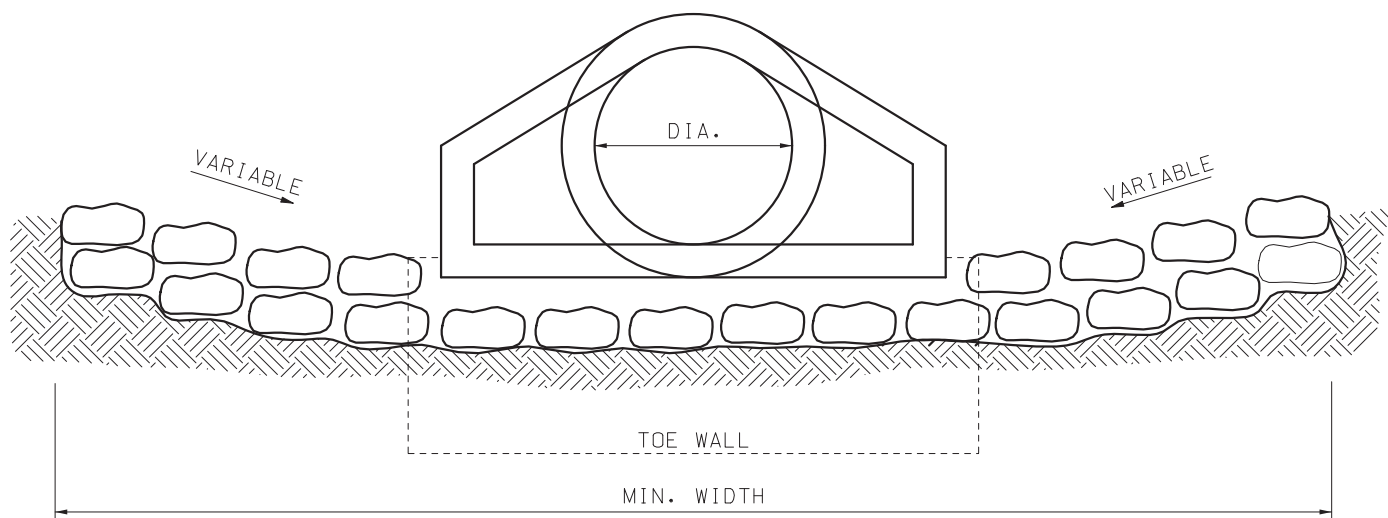


SIDE VIEW



END VIEW




END VIEW (ALTERNATE METHOD)

ROCK LINING FOR CULVERT OUTLETS					
CULVERT DIA. (IN.)	MINIMUM DEPTH AND WIDTH (FT.)	MINIMUM LENGTH (FT.)	ROCK LINING (CU. YD.)	EQUIVALENT PIPE ARCH CULVERT (APPROX.)	EQUIVALENT CONCRETE BOX CULVERT (APPROX.)
18	1 X 4	12	2		
24	1 X 6	14	3		2' X 1 1/2'
30	1 X 7	16	4	B-5	2' X 2'
36	1.5 X 9	18	9	B-6	3' X 2'
42	2 X 10	20	15	B-7	3' X 3'
48	2 X 12	20	18	B-8	4' X 3'
54	2 X 13.5	22	22	B-9	4' X 4'
60	2 X 15	25	28	B-10	5' X 4'
66	2 X 18	25	33	B-11	5' X 5'
72	2 X 20	30	44	B-12	5' X 6'
84	2.5 X 25	35	81		6' X 6'
96	2.5 X 30	40	111		7' X 7'
108	3 X 32	40	142		8' X 8'

GENERAL NOTES:


THE DIMENSIONS SHOWN IN THE TABLE CAN BE APPLIED TO BOX OR ARCH CULVERTS OF EQUIVALENT WATERWAY AREA.



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

ROCK LINING FOR CULVERT OUTLET



Sarah Kleinschmit
04/21/2026 12:36:07 PM
SARAH K. KLEINSCHMIT - CIVIL
MO-PE-2007002808

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SHEET NO.
1 OF 1

DATE EFFECTIVE: 10/01/1981
DATE PREPARED: 1/30/2026