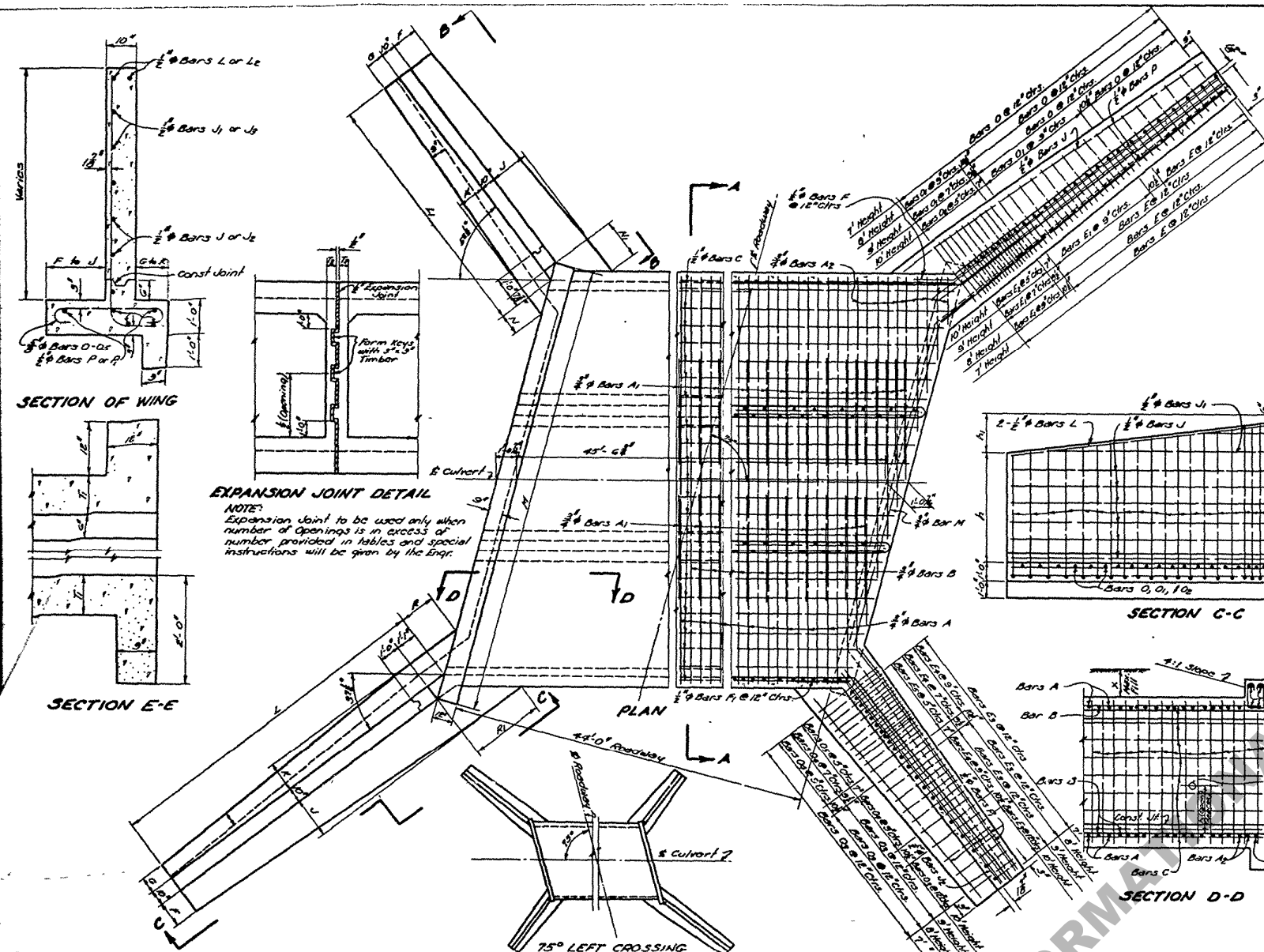
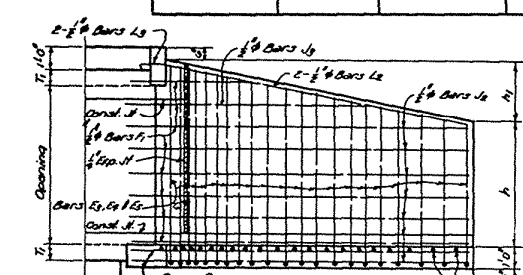
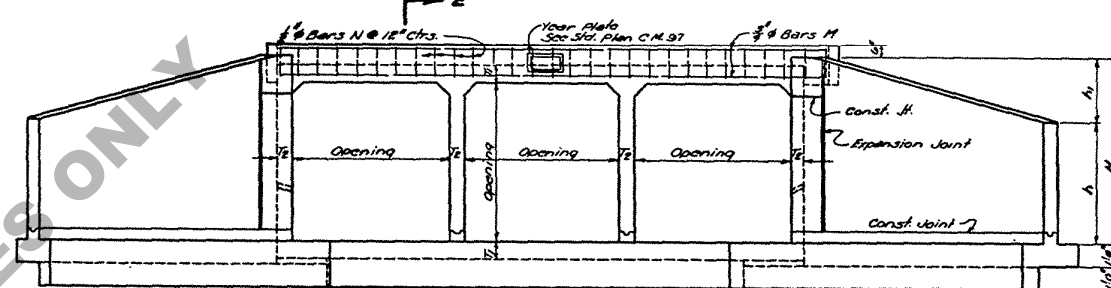


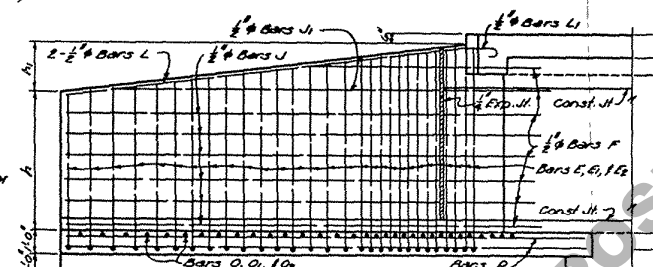
SECTION A-A



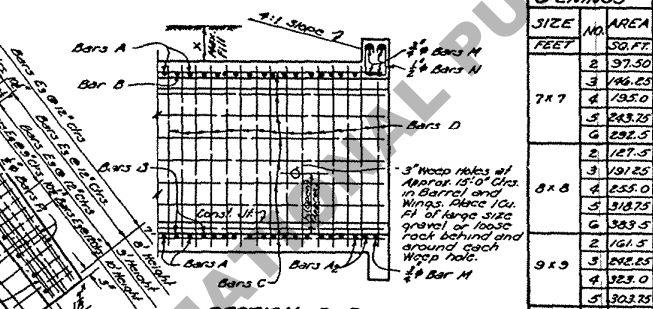
SECTION B-B



END ELEVATION



SECTION C-C



SECTION D-D

OPENINGS		MAX. FILL		BARREL		DIMENSIONS																				QUANTITIES				OPENINGS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
SIZE		AREA		STAND HOUL		T		H		L		L ₁		P		h ₁		M		F		G		J		K		N		N ₁		R		R ₁		PER LIN. FT. BARREL		STEEL		CONC.		STEEL		CONC.		NO.		SIZE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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7 X 7	1	97.50	12	11	9	7	8-3	10-0	13-10	5-6	2-9	17-6	1-6	0-11	2-3	1-7	1-2	2-3	2-0	4-1	188.37	1.9472	1096.3	91.78	2	7 X 7	1	97.50	12	11	9	7	8-3	10-0	13-10	5-6	2-9	17-6	1-6	0-11	2-3	1-7	1-2	2-3	2-0	4-1	188.37	1.9472	1096.3	91.78	2	7 X 7	1	97.50	12	11	9	7	8-3	10-0	13-10	5-6	2-9	17-6	1-6	0-11	2-3	1-7	1-2	2-3	2-0	4-1	188.37	1.9472	1096.3	91.78	2	7 X 7	1	97.50	12	11	9	7	8-3	10-0	13-10	5-6	2-9	17-6	1-6	0-11	2-3	1-7	1-2	2-3	2-0	4-1	188.37	1.9472	1096.3	91.78	2	7 X 7	1	97.50	12	11	9	7	8-3	10-0	13-10	5-6	2-9	17-6	1-6	0-11	2-3	1-7	1-2	2-3	2-0	4-1	188.37	1.9472	1096.3	91.78	2	7 X 7	1	97.50	12	11	9	7	8-3	10-0	13-10	5-6	2-9	17-6	1-6	0-11	2-3	1-7	1-2	2-3	2-0	4-1	188.37	1.9472	1096.3	91.78	2	7 X 7	1	97.50	12	11	9	7	8-3	10-0	13-10	5-6	2-9	17-6	1-6	0-11	2-3	1-7	1-2	2-3	2-0	4-1	188.37	1.9472	1096.3	91.78	2	7 X 7	1	97.50	12	11	9	7	8-3	10-0	13-10	5-6	2-9	17-6	1-6	0-11	2-3	1-7	1-2	2-3	2-0	4-1	188.37	1.9472	1096.3	91.78	2	7 X 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[illegible]

GENERAL NOTES: * Splice Included

CONSTRUCTION SPECIFICATIONS: Latest Approved Le Dept. of Hwy. Std. Specs.

DESIGN SPECIFICATIONS: A.A.H.S.O., 1937 as Amended to Dec. 31, 1938.

Line Load: H20-S16-44 (Modified) All Concrete to be Class A.

All Exposed Corners to be Chamfered * Unless Otherwise Noted.

Reinforcing Steel: All Intermediate or Hard Grade, A.S.T.M. A15

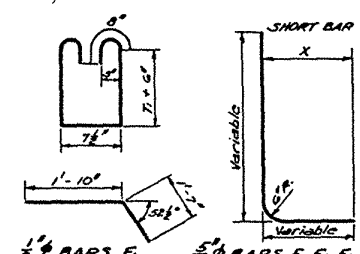
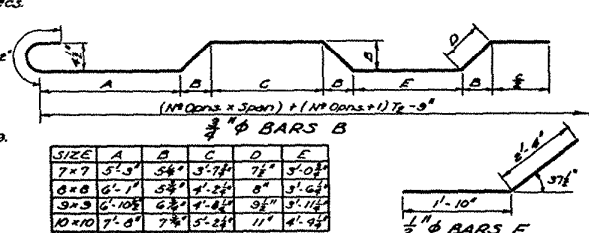
Rail Steel A.S.T.M. A16 Conforming to A.S.T.M. A1305.

Dimensions Relating to Reinforcing Steel and to Bar Connectors:

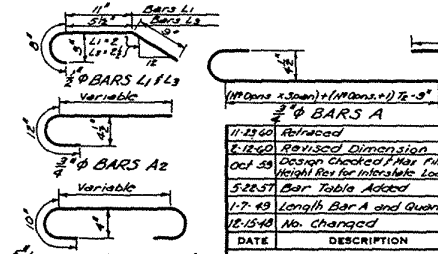
Place 2 Cu. Ft. of Large Size Gravel or Loose Rock behind & Around Each Weep Hole.

For Details of Expansion & Construction Units, See Std. Plan C.M. #3.

When Culvert is Located at a Site Subject to Scour, the Curtain Walls shall be Made Deeper, or Rip-Rap Placed Around Inside Face of Curtain Walls to Prevent Scour.



SIZE	BAR	VARIATIONS			SHORTBAR	
		HORIZ.	VERT.	TOTAL	X	BAR
		IN.	IN.	IN.		
7x7	E	2 1/2	2 1/2	2 1/2	11-9 1/2	E
	E 1/2	2 1/2	2 1/2	3 1/2	11-9 1/2	E 1/2
	E 1	2 1/2	2 1/2	4 1/2	11-9 1/2	E 1
8x8	E	2 1/2	2 1/2	2 1/2	11-9 1/2	E
	E 1/2	2 1/2	2 1/2	3 1/2	11-9 1/2	E 1/2
	E 1	2 1/2	2 1/2	4 1/2	11-9 1/2	E 1
9x9	E	2 1/2	2 1/2	2 1/2	11-9 1/2	E
	E 1/2	2 1/2	2 1/2	3 1/2	11-9 1/2	E 1/2
	E 1	2 1/2	2 1/2	4 1/2	11-9 1/2	E 1
10x10	E	2 1/2	2 1/2	2 1/2	11-9 1/2	E
	E 1/2	2 1/2	2 1/2	3 1/2	11-9 1/2	E 1/2
	E 1	2 1/2	2 1/2	4 1/2	11-9 1/2	E 1



STANDARD PLAN
REINFORCED CONC. BOX CULVERTS
 MULTIPLE OPENINGS
 7'x7' - 8'x8' - 9'x9' - 10'x10'
 4:1 SLOPE 75° CROSSING

DATED Jan. 15, 1949

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS

DESIGNED	DETAILS Russell	TRACED E. Nantz
CHECKED	CHECKED A. Leonard	CHECKED J. A. Smith