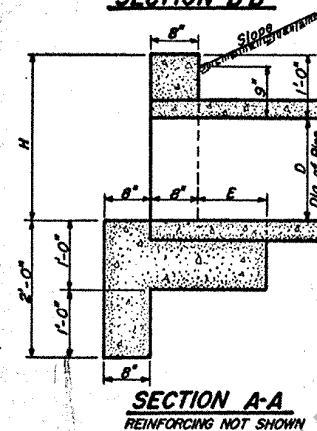
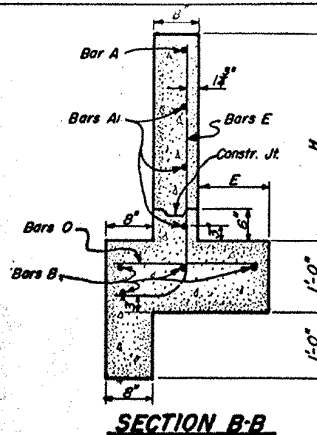
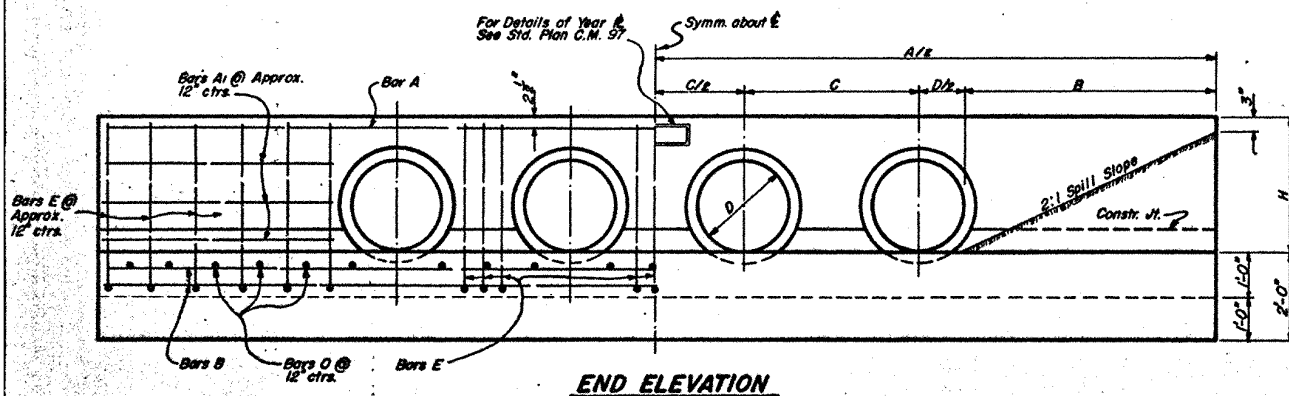
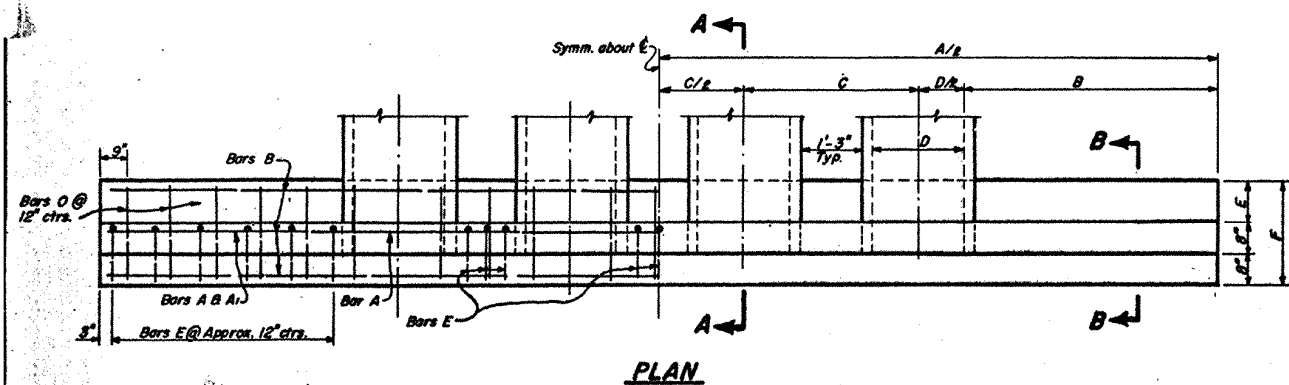
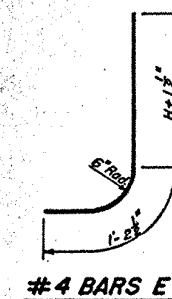
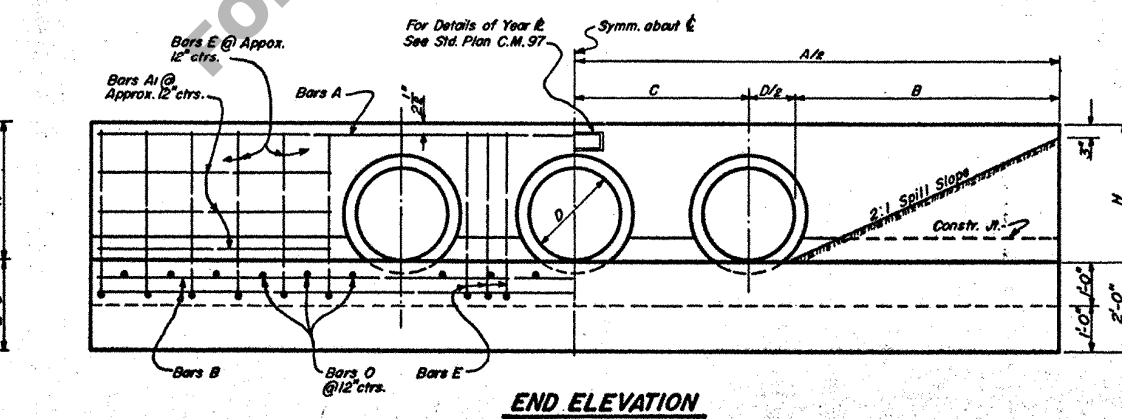
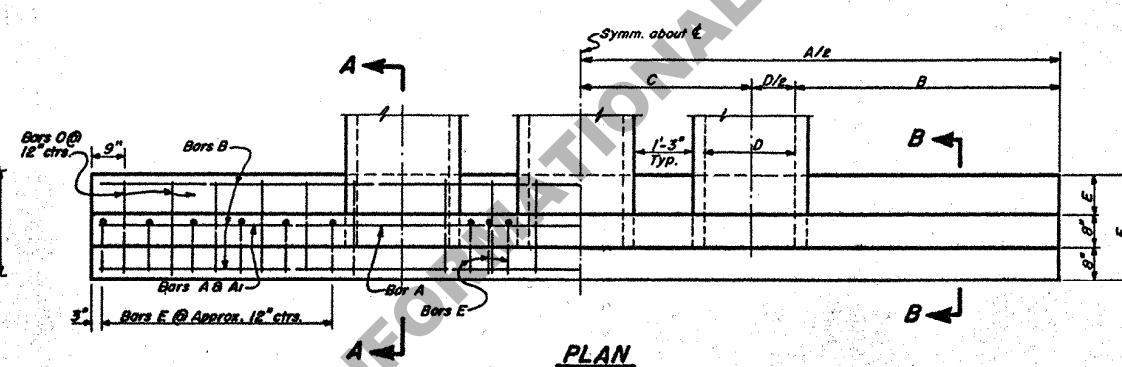
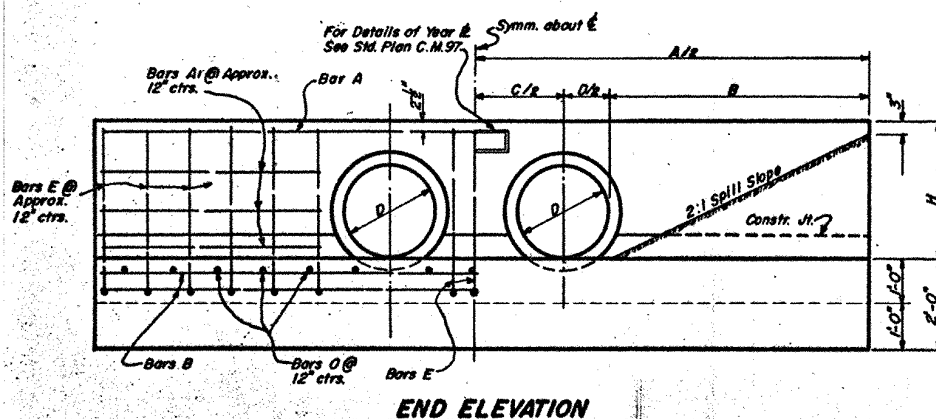
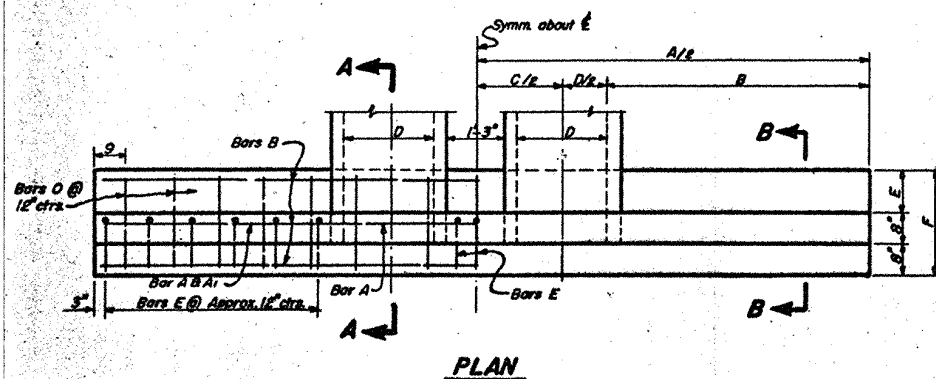




DIMENSIONS AND QUANTITIES FOR ONE HEADWALL																			
TWO OPENINGS										THREE OPENINGS									
D	A	B	C	E	F	H	CONC.	REIN.	STEEL	D	A	B	C	E	F	H	CONC.	REIN.	STEEL
PIPE DIA.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	CUYDS	LBS.		PIPE DIA.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	CUYDS	LBS.	
18"	13-8	4-6	3-2	0-5	1-9	2-6	1.92	99		18"	16-10	4-6	3-2	0-5	1-9	2-6	2.33	120	
24"	16-9	5-6	3-9	0-8	2-0	3-0	2.64	133		24"	20-6	5-6	3-9	0-8	2-0	3-0	3.17	157	
30"	19-10	6-6	4-4	0-11	2-3	3-6	3.47	163		30"	24-2	6-6	4-4	0-11	2-3	3-6	4.12	191	
36"	22-11	7-6	4-11	1-2	2-6	4-0	4.40	205		36"	27-10	7-6	4-11	1-2	2-6	4-0	5.19	236	
42"	26-0	8-6	5-6	1-5	2-9	4-6	5.43	241		42"	31-6	8-6	5-6	1-5	2-9	4-6	6.36	275	
48"	29-1	9-6	6-1	1-8	3-0	5-0	6.56	291		48"	35-2	9-6	6-1	1-8	3-0	5-0	7.65	329	
54"	32-2	10-6	6-8	1-11	3-3	5-6	7.80	331		54"	38-10	10-6	6-8	1-11	3-3	5-6	9.05	373	
60"	35-3	11-6	7-3	2-2	3-6	6-0	9.13	389		60"	42-6	11-6	7-3	2-2	3-6	6-0	10.55	434	

SCHEDULE OF REIN. STEEL FOR ONE HEADWALL																			
TWO OPENINGS										THREE OPENINGS									
D	A	B	C	E	F	H	CONC.	REIN.	STEEL	D	A	B	C	E	F	H	CONC.	REIN.	STEEL
PIPE DIA.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	CUYDS	LBS.		PIPE DIA.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	CUYDS	LBS.	
18"	13-8	4-6	3-2	0-5	1-9	2-6	1.92	99		18"	16-10	4-6	3-2	0-5	1-9	2-6	2.33	120	
24"	16-9	5-6	3-9	0-8	2-0	3-0	2.64	133		24"	20-6	5-6	3-9	0-8	2-0	3-0	3.17	157	
30"	19-10	6-6	4-4	0-11	2-3	3-6	3.47	163		30"	24-2	6-6	4-4	0-11	2-3	3-6	4.12	191	
36"	22-11	7-6	4-11	1-2	2-6	4-0	4.40	205		36"	27-10	7-6	4-11	1-2	2-6	4-0	5.19	236	
42"	26-0	8-6	5-6	1-5	2-9	4-6	5.43	241		42"	31-6	8-6	5-6	1-5	2-9	4-6	6.36	275	
48"	29-1	9-6	6-1	1-8	3-0	5-0	6.56	291		48"	35-2	9-6	6-1	1-8	3-0	5-0	7.65	329	
54"	32-2	10-6	6-8	1-11	3-3	5-6	7.80	331		54"	38-10	10-6	6-8	1-11	3-3	5-6	9.05	373	
60"	35-3	11-6	7-3	2-2	3-6	6-0	9.13	389		60"	42-6	11-6	7-3	2-2	3-6	6-0	10.55	434	



GENERAL NOTES:
CONSTRUCTION SPECIFICATIONS: Latest approved La. Dept. of Hwy. Std. Specs.
All concrete to be Class "A".
All exposed corners to be chamfered 3".
Reinforcement bars shall be Intermediate or Hard Grade, A.S.T.M. A-15, or Rail Steel, A.S.T.M. A-16, conforming with A.S.T.M. A-305.
All Reinforcing to be #4 Bars.
Dimensions relating to Reinforcing Steel are to bar centers.
No Reinforcing Steel shall rest or touch Concrete Pipe.
When culvert is located at a site subject to scour, the Headwalls shall be made deeper or Riprap placed around inside face of Headwalls to prevent scouring.
For details of Construction Joints, See Std. Plan CM-49.
For details of Year Plate, See Std. Plan CM-97.

DESIGN TAKEN FROM
STD. PLAN R.P. 67

VOID
DO NOT USE, SEE
REVISED MAT FILE
CBA/12.10.60

STANDARD PLAN REINFORCED CONC. PIPE CULV. HEADWALLS STRAIGHT WINGS, 18" TO 60" DIA. TWO(2), THREE(3), & FOUR(4), OPENINGS		
DATED OCT. 12, 1959		
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS		
DESIGNED	DETAILED	TRACED
CHECKED	CHECKED	CHECKED
BRIDGE DESIGN SECTION		