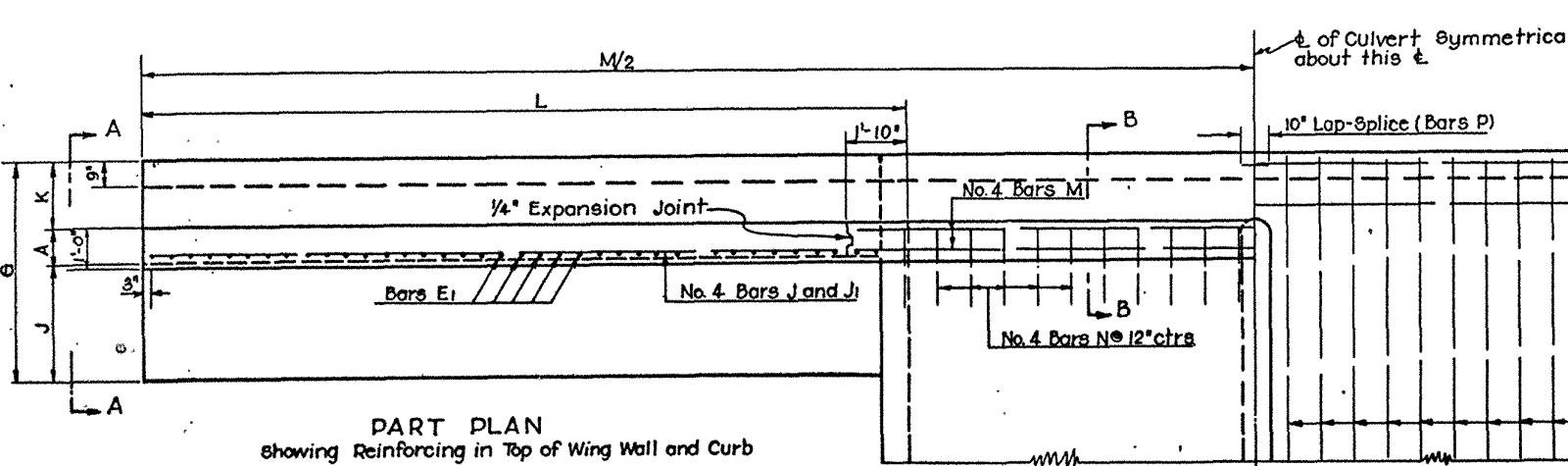
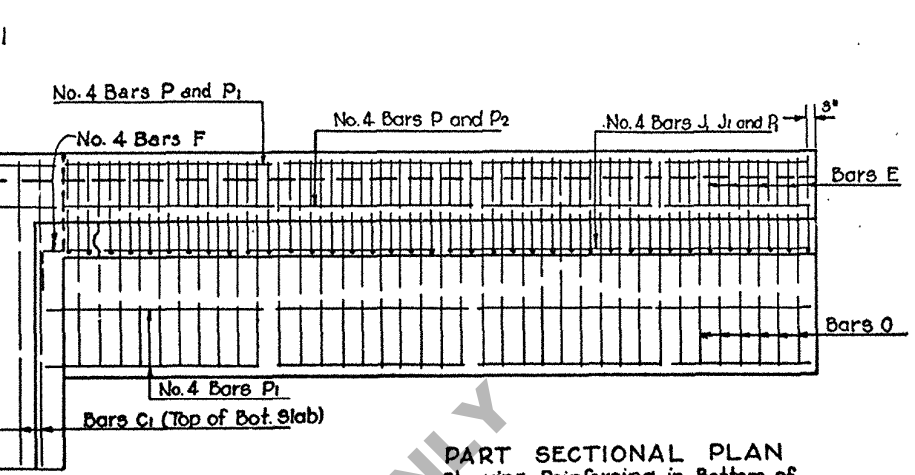
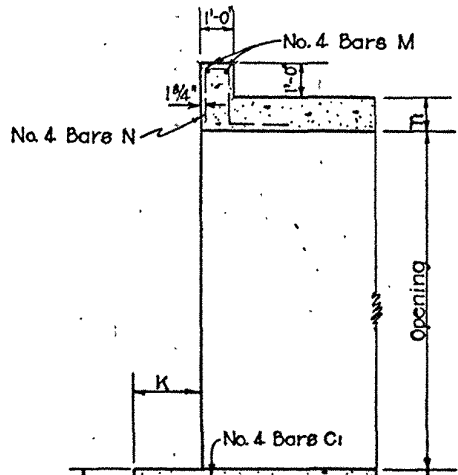




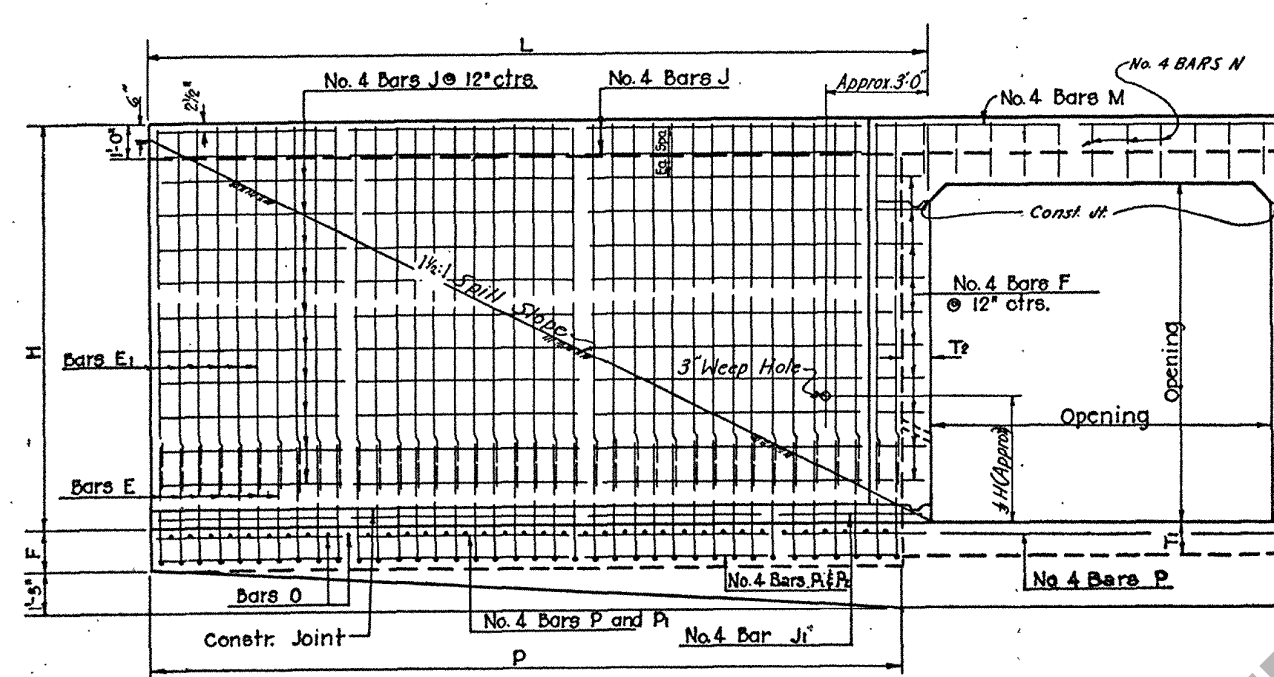
PART PLAN
showing Reinforcing in Top of Wing Wall and Curb



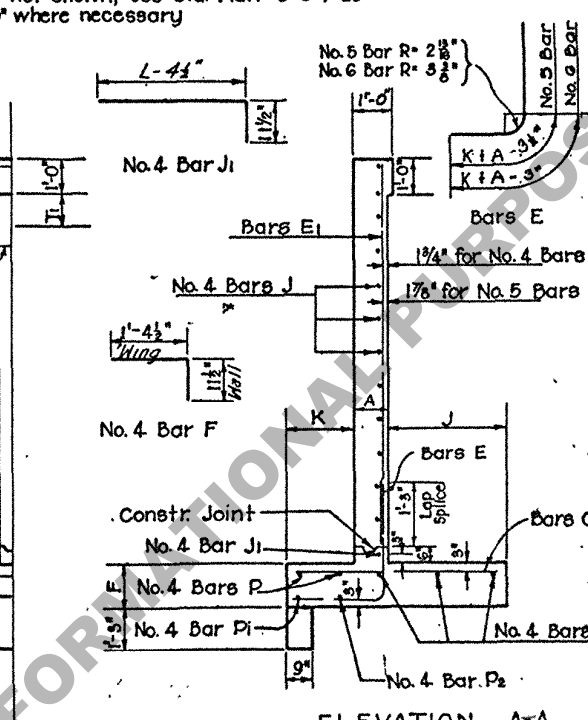
PART SECTIONAL PLAN
showing Reinforcing in Bottom of
Wing Wall and Footing



PART SECTION B-B
For Details not shown
See Std. Plan C-C-9-20



HALF END ELEVATION



ELEVATION A-A

DIMENSIONS																		QUANTITIES				OPENINGS	
OPENINGS		X		BARREL		WINGS AND CURB												PER LIN. FT. OF BARREL		FOR 44"-O" CULVERT			
Size	No.	Area	Max. Full	T ₁	T ₂	A	K	J	G	L	H	F	M	P	STEEL	CONCRETE	STEEL	CONCRETE	No.	Size			
Feet		Sq. Ft.	Feet	In.	In.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	LBS.	CU. YDS.	LBS.	CU. YDS.		Feet		
7x7	2																			2	7x7		
	3																			3			
	4																			4			
	5																			5			
	6																			6			
8x8	2																			2	8x8		
	3																			3			
	4																			4			
	5																			5			
	6																			6			
9x9	2																			2	9x9		
	3																			3			
	4																			4			
	5																			5			
	6																			6			
10x10	2	200	15	11½'	10	12	2-0	3-6	6-6	17-6	11-11½	1-3	55-10	16-8	340.81	2.5410	19890	174.45	2	10x10			
	3	300	15	11½'	10	12	2-0	3-6	6-6	17-6	11-11½	1-3	66-8	16-8	503.56	3.6205	27516	227.71	3				
	4	400	15	11½'	10	12	2-0	3-6	6-6	17-6	11-11½	1-3	77-6	16-8	688.63	4.7154	36159	280.98	4				
	5	400	15	11½'	10	12	2-0	3-6	6-6	17-6	11-11½	1-3	88-4	16-8	855.36	5.8023	43967	334.25	5				
	6																				6		

DISCARD
RETRACTED 3-3-60
E. Hunkley

GENERAL NOTES

Specifications: Latest approved La. Hwy. Dep't. Standard Specifications.
Design Specifications: For Slabs and Culvert Walls, See Std. Plan CC-9-20. For Wing Walls and Footings, A.A.H.O. 1949 as amended to June 1950.
Reinforcement shall be structural intermediate, or Hard Grade, A.S.T.M. A15 or Rail Steel, A.S.T.M. A16.
Concrete to be Class A.
All exposed corners to be chamfered 64".
For details relative to Weep-Holes, Scouring, Bending Diagrams for Bars A, B and N, and any other information not shown, See Std. Plan CC-9-20.
No. 4 Bars to be spliced 10' where necessary.

BILL OF REINFORCING STEEL FOR 44'-0" CULVERT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
OPENINGS		BARREL REINFORCEMENT															WING AND CURB REINFORCEMENT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		No. 6 BARS A			No. 6 BARS A1			No. 6 BARS B			No. 4 BARS C			No. 4 BARS C1			BARS D			BARS E			BARS E1			No. 4 BARS F			No. 4 BARS J			No. 4 BARS J1			No. 4 BARS M			No. 4 BARS N			BARS O			No. 4 BARS P			No. 4 BARS P1			No. 4 BARS P2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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* Lengths Given Include Splices

STANDARD PLAN
MULTIPLE OPENINGS - STRAIGHT HEADWALLS
REINFORCED CONCRETE BOX CULVERTS
7x7 8x8 9x9 10x10
WINGS FOR 1:1 SPILL SLOPE

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED G.A.H. CHECKED W.D.W. P. DATE
DETAILED G.A.H. CHECKED W.E.M. DATE
TRACED DATE

IN CHARGE OF