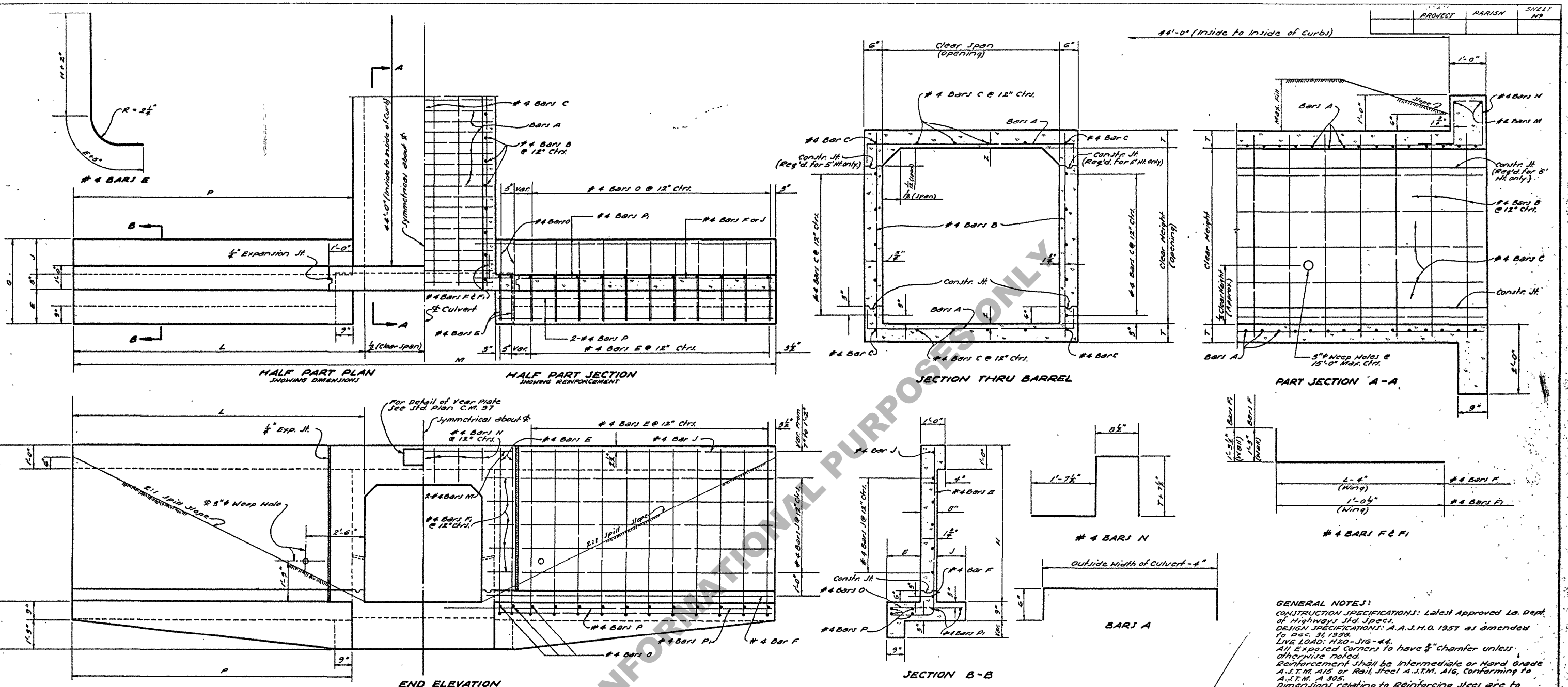




DIMENSIONS															BILL OF REINFORCING STEEL FOR 44'-0" CULVERT																				QUANTITIES				OPENINGS									
OPENINGS		MAX. FILL		BARREL		WINGS & CURBS										BARREL REINFORCEMENT										WING AND CURB REINFORCEMENT										PER LIN. FT. OF BARREL		44'-0" CULVERT										
SPAN	HEIGHT	AREA	TOP SLAB	BOTT. SLAB	WALLS	T	X	E	J	G	H	L	P	M	BARS A		#4 BARS B		#4 BARS C		#4 BARS D		#4 BARS E		#4 BARS F		#4 BARS G		#4 BARS H		#4 BARS I		#4 BARS J		#4 BARS K		#4 BARS L		#4 BARS M		STEEL	CONC.	STEEL	CONC.	CLEAR SPAN	CLEAR HEIGHT		
IN.	Q. FT.	SQ. FT.	FEET	FEET	FEET	IN.	IN.	FR. IN.	FR. IN.	FR. IN.	FR. IN.	FR. IN.	FR. IN.	FT.-IN.	SIZE	Nº	LENGTH	INCHES	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	LB.	CU. YD.	LB.	CU. YD.	FEET	FT. IN.
0	4	44	42	54	6	1 1/2	0-9	0-8	2-1	3-6	6-0	5-6	18-0	#4	220	3-8	5	32	2-8	10	47-2	28	4-10	4	6-11	8	2-4	12	4-2	6	4-7	20	1-8	8	5-2	8	6-10	4	4-5	22.00	0.1862	1298	18.02	2	2-0			
0	6	28	27	51	6 1/2	1 1/2	0-9	0-8	2-1	3-6 1/2	6-1	5-7	15-2	#5	170	4-8	6 1/2	92	2-9	12	47-2	28	4-10 1/2	4	7-0	8	2-4	12	4-3	8	4-8	28	1-8	8	5-3	8	6-11	4	5-5	29.66	0.2569	1666	15.58	3	2-0			
0	7.5	28	27	35	6 1/2	1 1/2	0-9	0-8	2-1	4-0 1/2	7-1	6-7	17-2	#5	170	4-8	6 1/2	92	3-9	14	47-2	32	5-4 1/2	4	8-0	8	2-4	16	5-3	8	4-8	32	1-8	8	6-3	8	7-11	4	5-5	31.67	0.2554	1824	17.46	4	2-6			
0	9	28	27	24	6 1/2	1 1/2	1-0	0-8	2-4	4-6 1/2	8-1	7-7	19-2	#5	170	4-8	6 1/2	92	3-9	14	47-2	36	6-4 1/2	4	9-0	12	2-4	16	6-3	8	4-8	36	1-11	8	7-3	8	8-11	4	5-5	32.33	0.2739	1928	19.68	5	2-0			
0	8	21	20	50	7	1 1/2	0-9	0-8	2-1	3-7	6-2	5-8	16-4	#5	200	5-8	5 1/2	92	2-10	14	47-2	28	4-11	4	7-1	8	2-4	12	4-4	10	4-9	28	1-8	8	5-4	8	7-0	4	6-5	38.93	0.2942	2101	18.45	6	2-0			
0	10	21	20	34	7	1 1/2	0-9	0-8	2-1	4-1	7-2	6-8	18-4	#5	200	5-8	5 1/2	92	3-4	16	47-2	32	5-5	4	8-1	8	2-4	16	5-4	10	4-9	32	1-8	8	6-4	8	8-0	4	6-5	40.93	0.3128	2275	20.33	7	2-6			
0	12	21	20	24	7	1 1/2	1-0	0-8	2-4	4-7	8-2	7-8	20-4	#5	200	5-8	5 1/2	92	3-10	16	47-2	36	6-2	4	9-1	12	2-4	16	6-4	10	4-9	36	1-11	8	7-4	8	9-0	4	6-5	41.60	0.3313	2363	22.56	8	2-0			
0	16	21	20	13	7	1 1/2	1-5	0-10	2-9	5-7	10-2	9-6	26-4	#5	200	5-8	5 1/2	92	4-10	18	47-2	48	7-5	4	11-1	16	2-4	20	8-4	10	4-9	44	2-4	16	9-4	8	11-0	4	6-5	44.27	0.3683	2766	27.57	9	4-0			
0	10	17	15	46	7 1/2	1 1/2	0-9	0-8	2-1	3-7 1/2	6-4	5-10	17-8	#5	230	6-8	5	92	2-11	18	47-2	28	4-11 1/2	4	7-5	8	2-4	12	4-6	12	4-10	28	1-8	8	5-6	8	7-2	4	7-5	47.96	0.3583	2531	21.67	10	2-0			
0	12.5	17	15	33	7 1/2	1 1/2	0-9	0-8	2-1	4-1 1/2	7-4	6-10	19-8	#5	230	6-8	5	92	3-5	18	47-2	32	5-5 1/2	4	8-5	8	2-4	16	5-6	12	4-10	32	1-8	8	6-6	8	8-2	4	7-5	49.96	0.3768	2689	23.63	11	2-6			
0	15	17	15	23	7 1/2	1 1/2	1-0	0-8	2-4	4-7 1/2	8-4	7-10	21-8	#5	220	6-8	5	92	3-11	18	47-2	36	6-2 1/2	4	9-3	12	2-4	16	6-6	12	4-10	36	1-11	8	7-6	8	9-2	4	7-5	50.63	0.3953	2793	25.82	12	2-0			
0	20	17	15	13	7 1/2	1 1/2	1-5	0-10	2-9	5-7 1/2	10-4	9-10	25-8	#5	230	6-8	5	92	4-11	20	47-2	44	7-5 1/2	4	11-3	16	2-4	20	8-6	12	4-10	44	2-4	16	9-6	8	11-2	4	7-5	53.30	0.4324	3198	30.65	13	4-0			
0	25	17	15	7	7 1/2	1 1/2	1-5	1-2	3-3	6-7 1/2	12-4	11-10	29-8	#5	230	6-8	5	92	5-11	22	47-2	52	8-7 1/2	4	13-9	20	2-4	24	10-6	12	4-10	52	2-10	16	11-6	8	13-2	4	7-5	55.98	0.4694	3471	36.17	14	5-0			

Rock behind and around each weep hole.
Concrete to be class "A".
For Details of Expansion and Constr. Joints
See Std. Plan C. H. 43.

11/15/61

STANDARD PLAN
REINFORCED CONC. BOX CULVERT
STRAIGHT WINGWALLS
2:1 SPILL SLOPE NORMAL TO CHANNEL
2' THRU 5' CLEAR SPANS, 2'THRU5' CLEAR HTS.

DATED: May 19____ 1935

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED <i>Malmon</i>	DETAILS <i>Malmon</i>	TRACED <i>Malmon</i>
CHECKED <i>Malmon</i>	CHECKED <i>Malmon</i>	CHECKED <i>Malmon</i>
REVISIONS		

*Length includes 1'-1 1/2" Lap Splice.

GENERAL NOTES:
CONSTRUCTION SPECIFICATIONS: Latest Approved La. Dept. of Highways Std. Specs.
DESIGN SPECIFICATIONS: A.A.S.H.O. 1957 as amended to Dec. 31, 1958.
LIVE LOAD: H20-S16-44.
All Exposed Corners to have 3" Chamfer unless otherwise noted.
Reinforcement shall be Intermediate or Hard Grade A.S.T.M. A15 or Rail Steel A.S.T.M. A16, Conforming to A.S.T.M. A 305.
Dimensions relating to Reinforcing Steel are to Bar Centers.
Place about 2 cu.ft. of Large Size Gravel or loose Rock behind and around each Weep Hole.
Concrete to be Class "A".
For Details of Expansion and Constr. Joints See Std. Plan C.M. 4.9.

VOID
11/15/61

STANDARD PLAN REINFORCED CONC. BOX CULVERT STRAIGHT WINGWALLS 2:1 SPILL SLOPE NORMAL TO CHANNEL 2' THRU 5' CLEAR SPANS, 2' THRU 5' CLEAR HTS. DATED May 19 1959			
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS			
DESIGNED <i>Maloney</i>	DETAILS <i>Maloney</i>	TRACED <i>C. H. Allen</i>	
CHECKED <i>W. B. Allen</i>	CHECKED <i>W. B. Allen</i>	CHECKED <i>W. B. Allen</i>	
REVISIONS			