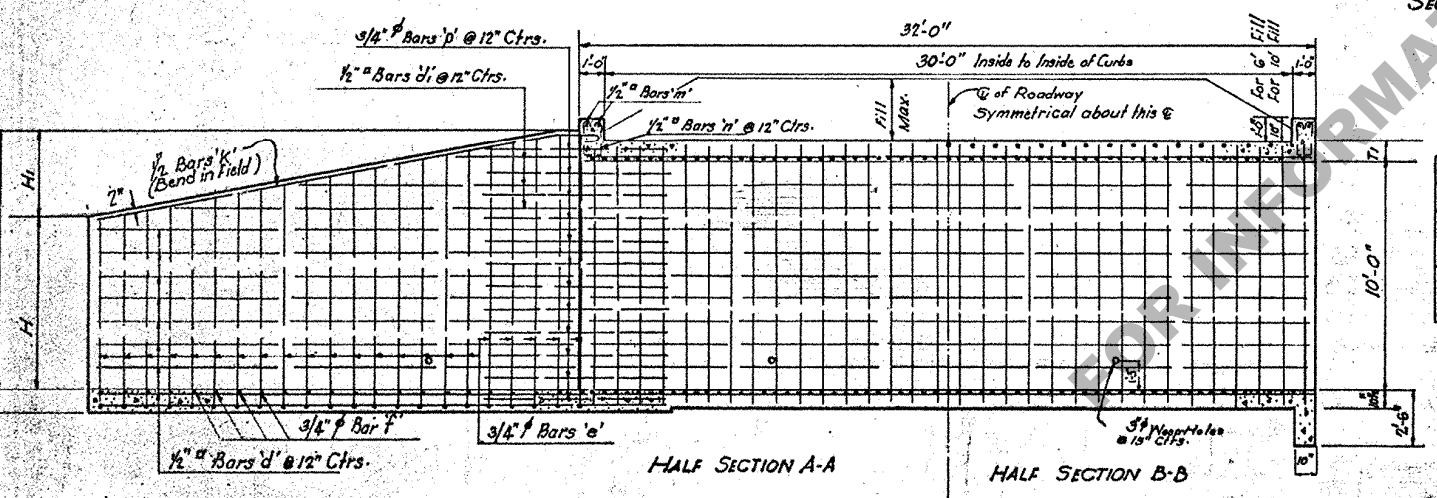
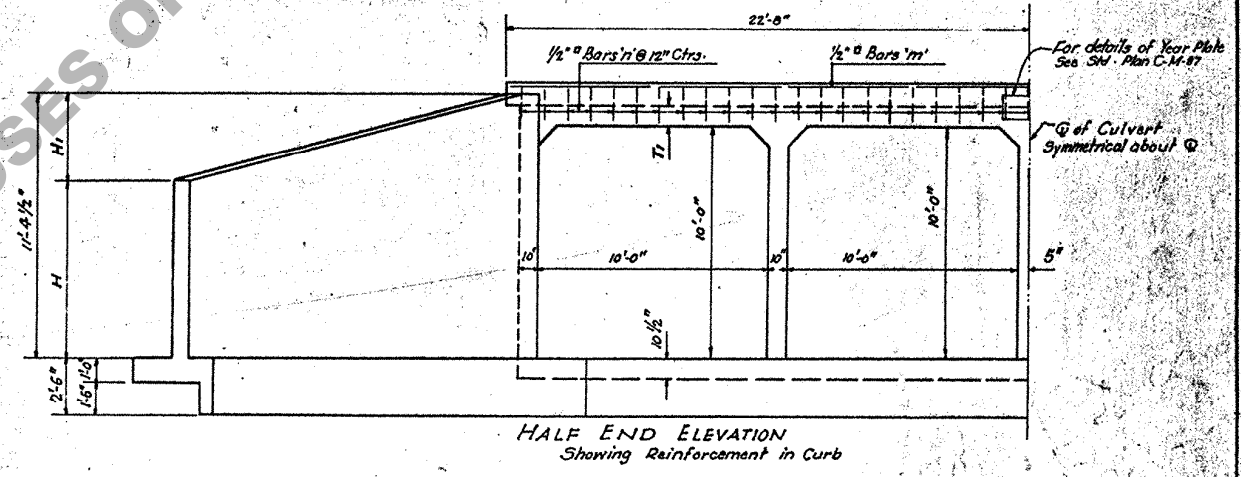
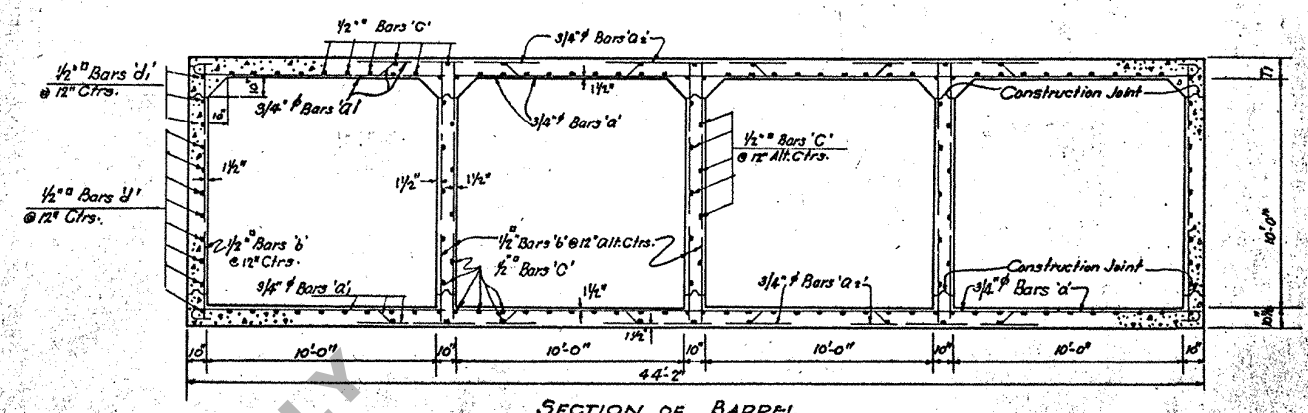
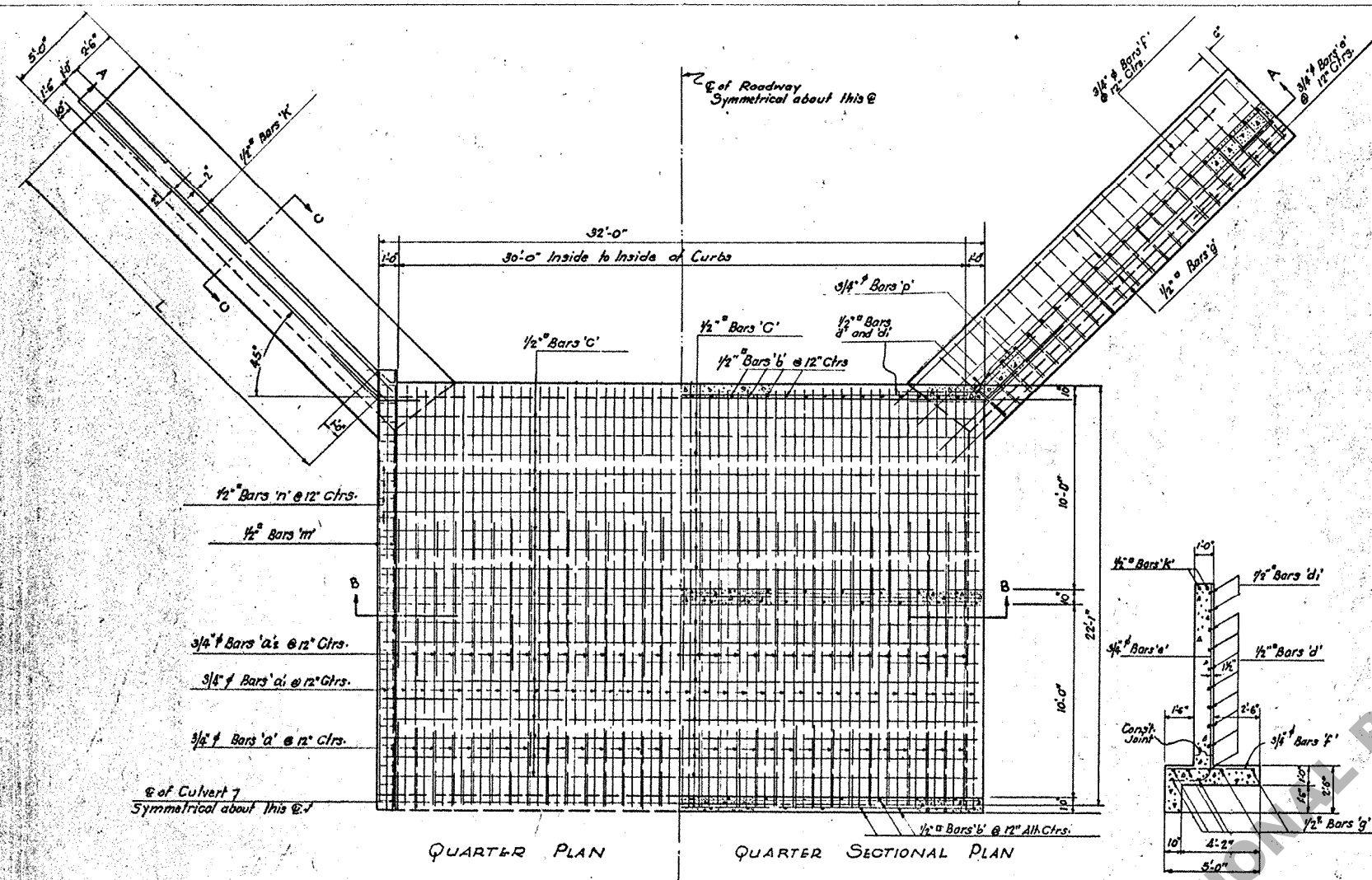




DIMENSIONS						
SLOPE	FILL	T ₁	H	H ₁	L	
3:1	6' Max.					
	10' Max.					
4:1	6' Max.	10 1/2	7 1/2	3 3/4	2 1/2	
	10' Max.					

BILL OF MATERIAL FOR CULVERT AS DETAILED													
3:1 SLOPE								4:1 SLOPE					Location
Mark	Size	Spacing	No. Each Length	Total No.	Short Bar	Long Bar	Total Length	No. Each Length	Total No.	Short Bar	Long Bar	Total Length	
a	3/8"	12"						62		45'-6"	2821'-0"	Transverse - Top and Bot. Slabs	
a ₁	"	12"						64		47'-1"	3013'-4"	" " " " " "	
a ₂	"	12"						186		8'-0"	1488'-0"	" " " " " "	
b	"	12"						4	68	10'-4"	14-2"	1078'-0"	Vertical in Wings
c	"	12"						68		4'-8"	418'-0"	Transverse - Top of Footings	
p	"	12"						48		8'-0"	384'-0"	Dowels - Wings to Outside Walls	
b	1/2"							150		11'-6"	1640'-0"	Vertical in Walls	
c	"							129		31'-8"	4089'-9"	Longitudinal in Barrel	
d	"							16		75'-8"	1205'-4"	Longitudinal Outside Walls and Wings	
d ₁	"							2	6	49'-6"	71'-0"	" " " " " "	
g	"							24		24'-6"	588'-0"	Longitudinal in Footings	
k	"							8		22'-0"	181'-4"	Sloping - Top of Wings	
m	"							4		45'-1"	180'-4"	Longitudinal in Curbs	
n	"							90		4'-9"	427'-6"	Stirrups in Curbs	
Total 3/4" Bars =			Wt. =			Total 3/4" Bars = 3202'-4"			Wt. = 13,422 Lbs.				
Total 1/2" Bars =			Wt. =			Total 1/2" Bars = 4,679'-9"			Wt. = 7,548 Lbs.				

QUANTITIES			
STEEL	Total Reinf. Steel	Per ft. of Barrel	Total Reinf. Steel = 21,370 lbs. - Per ft. of Barrel = 527.45
6" FILL	Total Class A Conc. =	Per ft. of Barrel	Total Class A Conc. = 202.14 - Per ft. of Barrel = 4.5087
10" FILL	Total Class A Conc. =	Per ft. of Barrel	Total Class A Conc. = 202.14 - Per ft. of Barrel = 4.5087

GENERAL NOTES
 Const. Specs. Latest approved La. Hwy. Dept. Std. Specs.
 Design Specs. La. Hwy. Commission 1940
 Assumed live load - 2 typical 15-ton trucks
 Concrete to be class A throughout
 All reinforcing steel shall be considered as deformed bars.
 Square twisted bars not to be considered as deformed.
 Where splicing of bars is necessary they shall be lapped 40 diameters.
 All exposed corners to be chamfered 3".
 Place about one (1) cu. ft. of large size gravel or loose rock behind and around each weep hole.

Design taken from Std. Plan C-C 10X10-3

STANDARD PLAN
 4-10'X10' R.C. CULVERT
 90° CROSSING
 3:1 AND 4:1 SLOPES
 6" AND 10" FILLS

DATE: MARCH 19 1945

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS

DESIGNED: [Signature] CHECKED: [Signature] TRACED: J.D.R.
 IN CHARGE OF: [Signature] HEAD: [Signature] DESIGNER: [Signature]

C.C-82-15