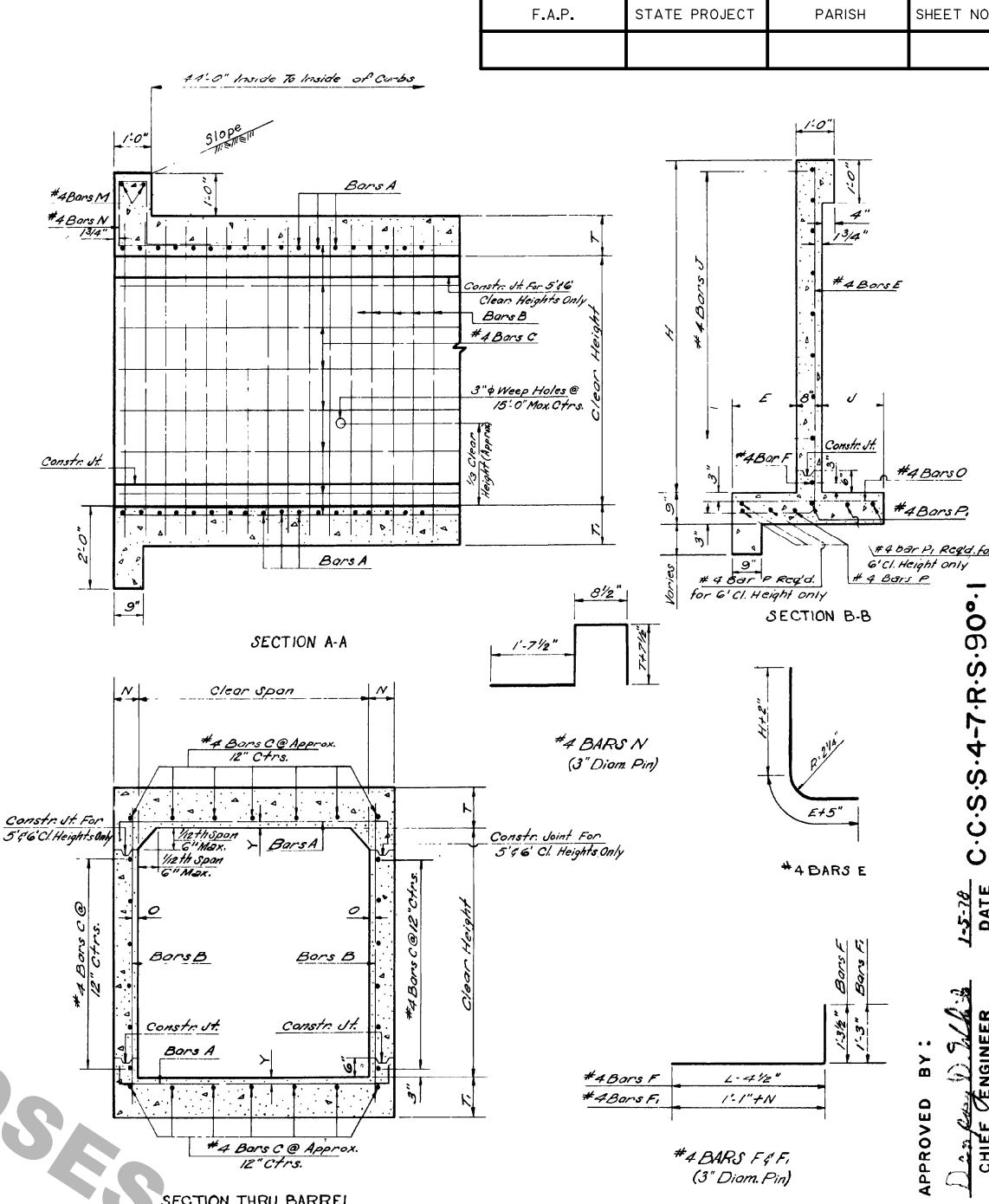
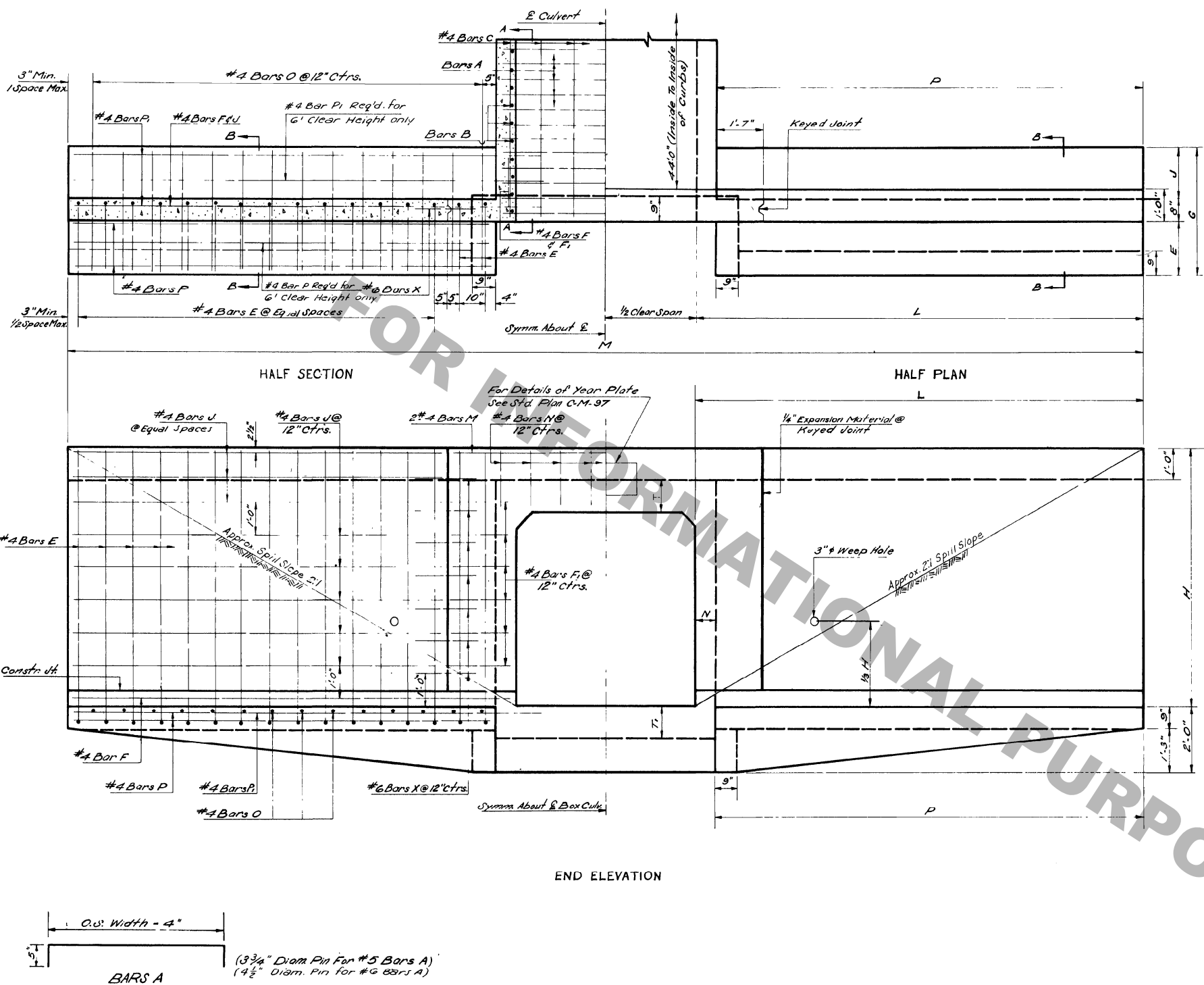




DIMENSIONS																	BILL OF REINFORCING STEEL FOR 44'-0" CULVERT																																QUANTITIES				OPENINGS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
OPENINGS			MAX. FILL	BARREL					WINGS & CURBS					BARREL REINFORCEMENT								WING & CURB REINFORCEMENT														PER LIN. FT. OF BARREL		44'-0" CULVERT		CLEAR SPAN	CLEAR HEIGHT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
CLEAR SPAN	CLEAR HEIGHT	AREA	SLAB	WALL	N	T	T ₁	O	Y	E	U	G	H	L	P	M	BARS A		BARS B		#4 BARS C		#4 BARS E		#4 BARS F		#4 BARS F		#4 BARS J		#4 BARS N		#4 BARS O		#4 BARS P		#4 BARS M		#6 BARS X		STEEL	CONC.	STEEL	CONC.	CLEAR SPAN	CLEAR HEIGHT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
FEET	FEET	SQ. FT.	FEET	FEET	IN.	IN.	IN.	IN.	IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	SIZE	NO.	LENGTH	SPAC.	IN.	IN.	SIZE	NO.	FT.-IN.	IN.	NO.	FT.-IN.	NO.	FT.-IN.	NO.	FT.-IN.	NO.	FT.-IN.	NO.	FT.-IN.	NO.	FT.-IN.	NO.	FT.-IN.	NO.	FT.-IN.	LBS.	CU. YDS.	LBS.	CU. YDS.	FEET	FEET																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

*includes One 1'-6" Lap Splice

GENERAL NOTES:
Construction Specifications: Latest Approved La. Dept. of Highways Standard Specifications.
Design Specifications: A.A.S.H.O. 1961 As Amended by Int. Spec. 1964. Live Load H-20-44 or Military Load, Whichever is Greater.
All Concrete To Be Class "A".
All Exposed Corners To Have 3/4" Chamfer, Unless Otherwise noted.
Reinforcement Bars shall be Billet Steel A.S.T.M. A 615 or Roll Steel A.S.T.M. A 616 or A 617.
Dimensions Relating To Reinforcing Steel are to bar centers.
A 1'-6" Square of Plastic Filter Cloth (See Qualified Products List) shall be placed in contact with Concrete behind each Weep Hole, in addition to approx. 2 Cu. Ft. of Concrete Sand.
For Detail of Joints, See Std. Plan C.M. - 49.

15-14-64	Rev. 1	4' x 5' Openings to Military Loading	H.E.M.
4-5-64	Rev. 2	Revised 3' Spacing	W.E.M.
7-27-62	Rev. 3	Revised 4' thru 7' Cl. Spacing Added	J.R.B.
DATE	DESCRIPTION	BY	

STANDARD PLAN		
REINF. CONCRETE BOX CULVERTS		
STRAIGHT WINGS	90° CROSSING	
2:1 SPILL SLOPE NORMAL TO CHANNEL		
3' TO 6' HEIGHTS 4' TO 7' SPANS		
DESIGNED BY: Q.A. Hester		
CHECKED BY: M. Yoshii		
DATE: April 23, 1962		
DEPARTMENT OF HIGHWAYS		
STATE OF LOUISIANA		
APPROVED BY: [Signature]		
CHIEF ENGINEER		