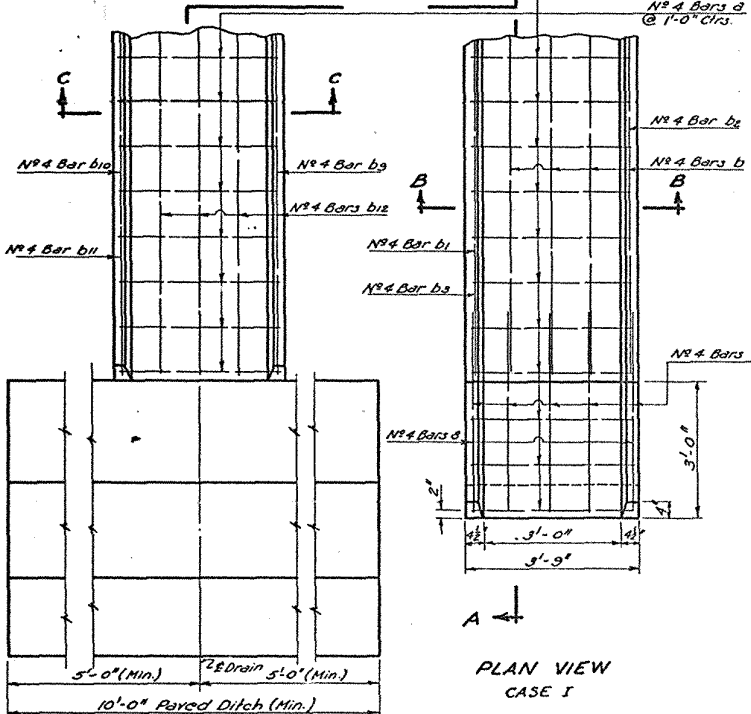
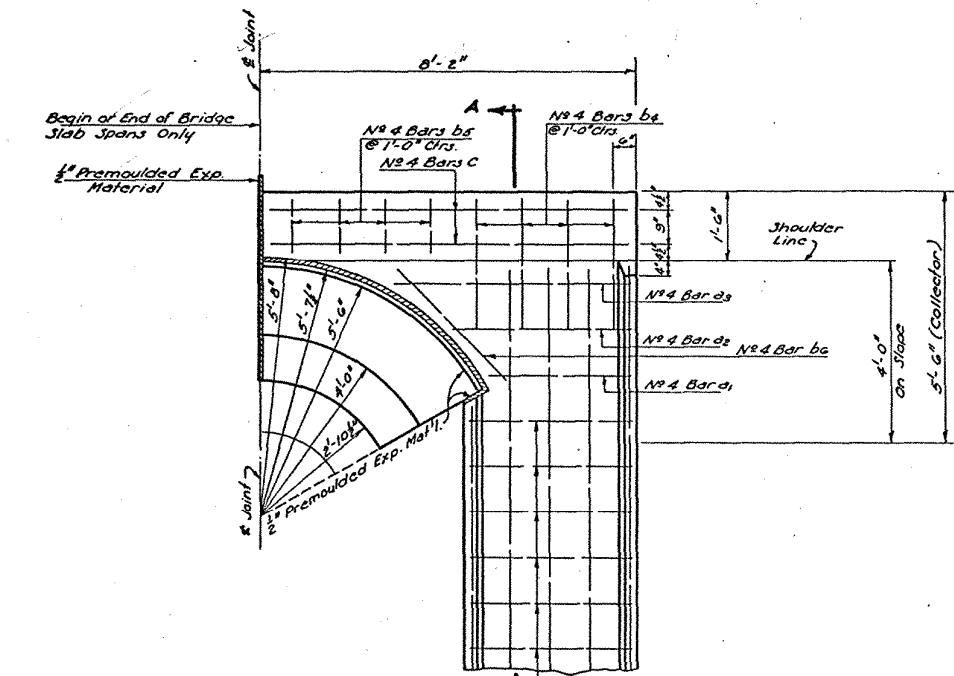
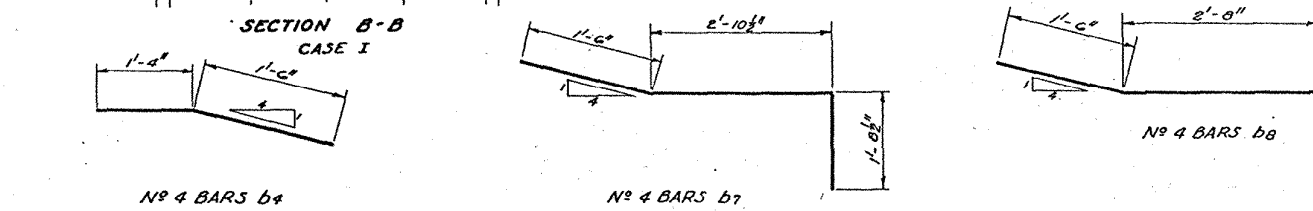
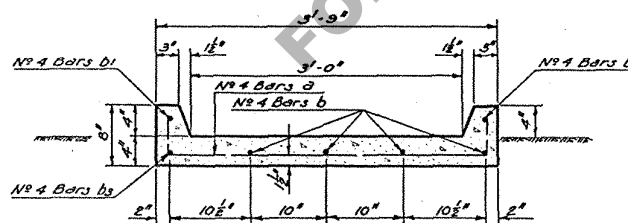
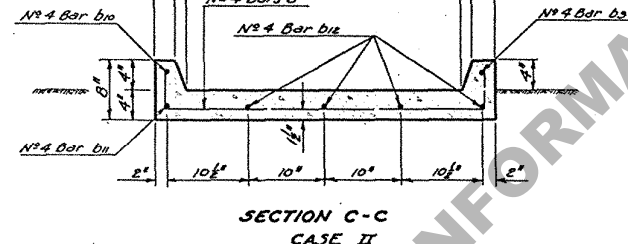
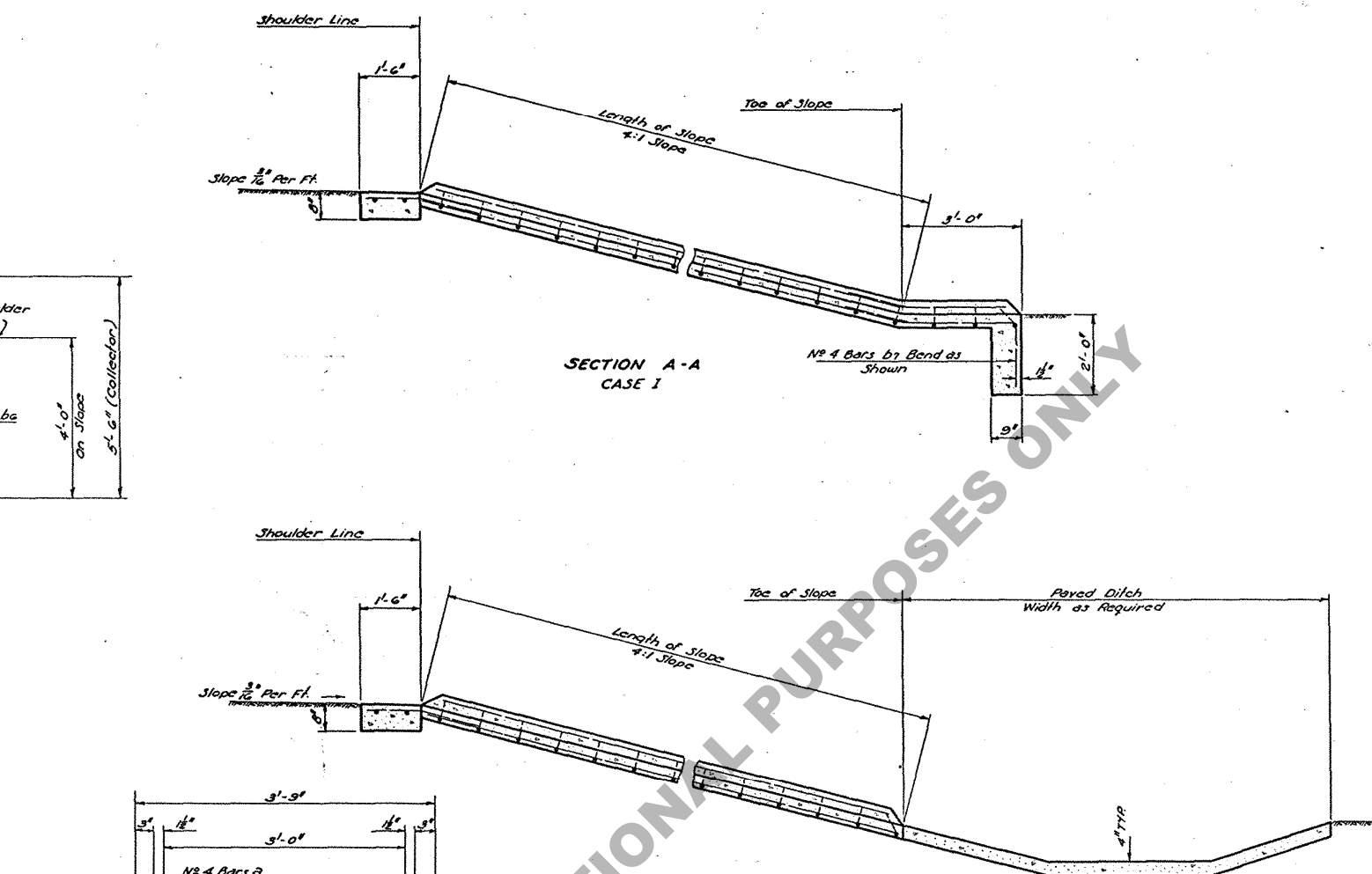


3'-1"	N ^o 4 BAR a ₁
3'-10"	N ^o 4 BAR a ₂
3'-2"	N ^o 4 BAR a ₃

N^o 4 BARS a₁, a₂ and a₃



COMPUTING LENGTH OF STRAIGHT BARS		
BAR	SIZE	LENGTH
b	#4	Length of Slope Minus 8"
b ₁	#4	Length of Slope Minus 3'-4"
b ₂	#4	Length of Slope Minus 8"
b ₃	#4	Length of Slope Minus 3'-2"
b ₄	#4	7'-2"
b ₅	#4	3'-4"
b ₆	#4	Length of Slope Minus 8"
b ₇	#4	Length of Slope Minus 3'-6"
b ₈	#4	Length of Slope Minus 3'-4"
b ₉	#4	Length of Slope Minus 4"
c	#4	7'-10"

ESTIMATED QUANTITIES	
CASE I	
CLASS "A" CONCRETE IN (COLLECTOR)	= 0.52 CU.YDS.
CLASS "A" CONCRETE PER FT. OF SLOPE	= 0.054 CU.YDS.
CLASS "A" CONCRETE TOE OF SLOPE TO END OF DRAIN	= 0.34 CU.YDS.
DEFORMED REINF. STEEL IN (COLLECTOR)	= 48 LBS.
DEFORMED REINF. STEEL PER FT. OF SLOPE	= 7.57 LBS.
DEFORMED REINF. STEEL TOE OF SLOPE TO END OF DRAIN	= 35 LBS.
CASE II *	
CLASS "A" CONCRETE IN (COLLECTOR)	= 0.52 CU.YDS.
CLASS "A" CONCRETE PER FT. OF SLOPE	= 0.054 CU.YDS.
DEFORMED REINF. STEEL IN (COLLECTOR)	= 48 LBS.
DEFORMED REINF. STEEL PER FT. OF SLOPE	= 7.57 LBS.

* Paved ditch quantities not included, to be paid for under appropriate item.

GENERAL NOTES:
CONSTRUCTION SPECIFICATIONS: Latest approved La. Dept. of Highways Standard Specifications.
Reinforcement bars shall be structural, 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.
All concrete to be Class "A".
Chamfer exposed corners 3/4".

STANDARD PLAN REINF. CONC. SHOULDER DRAINS AT ENDS OF FULL CROWN ROADWAY WIDTH BRIDGES			
DATED FEB. 15, 1957			
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS			
DESIGNED	DETAILED <i>W. J. Mason</i>	TRACED <i>E. Hinkley</i>	
CHECKED	CHECKED <i>Hall</i>	CHECKED <i>Hall</i>	
DATE		REVISIONS	