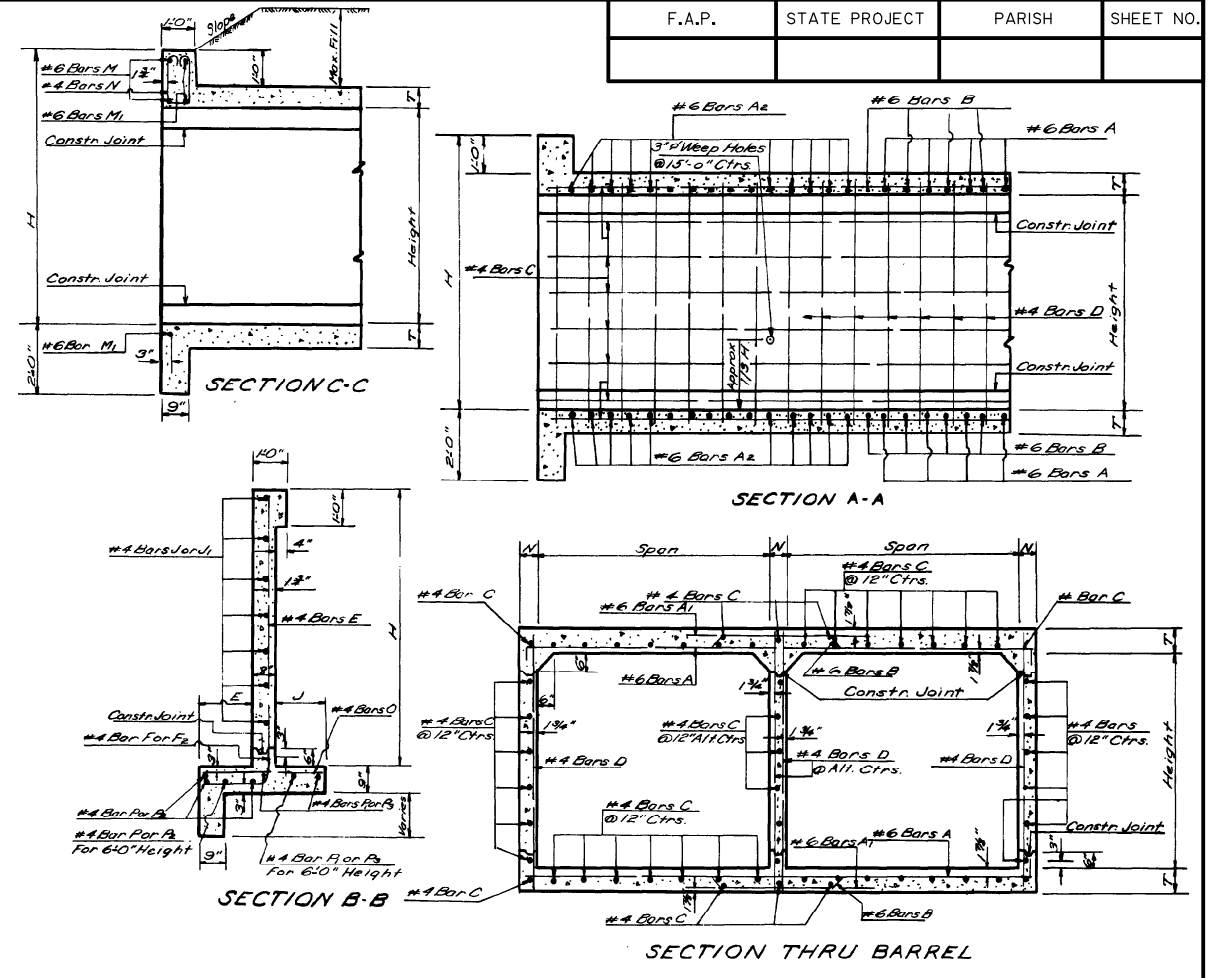
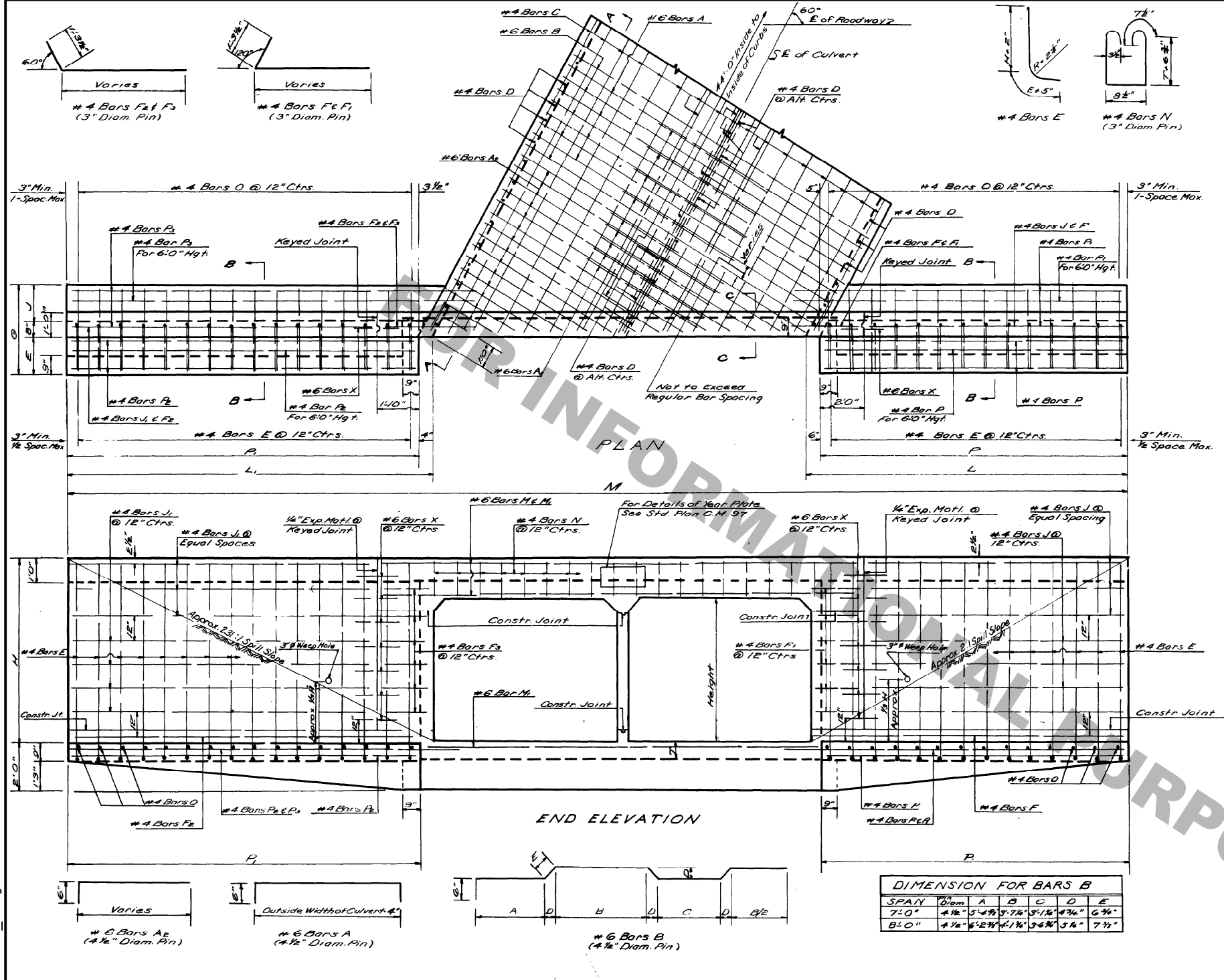




DIMENSIONS														QUANTITIES			
OPENINGS		MAX FILL		BARREL		WINGS AND CURBS								PER LIN. FT. OF BARREL		44'-0" CULVERT (ALONG E)	
SIZE	NO.	AREA	SLAB	WALL	T	N	E	J	G	H	L	P	M	STEEL	CONC.	STEEL	CONC.
FEET		SQ.FT.	FEET	FEET	IN.	IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	LBS.	CU. YDS.	LBS.	CU. YDS.
7x5	2	70	12											13.53	1.1096	8.46	68.06
	3	103												52.14	232.89	1.6049	12.469
	4	140	16	7	8 1/2	6	1-5	1-2	3-3	6-8 1/2	12-4 1/2	14-3 1/2	11-10	60.98	311.88	2.1003	16.387
	5	173												69.35	390.88	2.3357	20.878
	6	210												78.13	481.89	3.0910	25.383
	7	247												87.63	560.74	3.422	28.07
7x6	2	84	11											16.24	1.2631	9.122	76.07
	3	126												36.24	242.02	1.6790	13.234
	4	168	16	5	8 1/2	6	1-7	1-6	3-3	7-8 1/2	14-4 1/2	16-4 1/2	13-10	61.10	323.29	2.1929	17.404
	5	210												72.64	424.37	2.7060	24.868
	6	252												82.24	497.86	3.2207	26.683
	7	294												92.04	580.67	3.687	29.39
8x5	2	100	10											18.04	1.3887	9.754	79.39
	3	140												33.11	273.98	1.9228	14.476
	4	180	14	9	9	7	1-5	1-2	3-3	6-9	12-6 1/2	14-5 1/2	11-10	65.10	367.90	2.5170	19.407
	5	220												75.93	473.63	3.1111	24.957
	6	260												85.94	566.94	3.7039	30.200
	7	300												95.94	660.25	4.2967	35.443
8x6	2	116	9											20.14	1.4968	1.3335	10.273
	3	164												40.03	279.33	2.0092	15.057
	4	192	13	5	9	7	1-7	1-6	3-3	7-9	14-6 1/2	16-6 1/2	13-10	68.11	379.38	2.6250	20.051
	5	240												78.10	481.64	3.2407	25.364
	6	288												88.09	574.23	3.8565	30.569
	7	336												98.08	666.82	4.4723	35.812

BILL OF REINFORCING STEEL FOR 44'-0" CULVERT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
BARREL REINFORCEMENT															WINGS AND CURBS REINFORCEMENT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
OPENINGS	#6 BARS A	#6 BARS A ₁	#6 BARS A ₂	#6 BARS B	#4 BARS C	#4 BARS D	#4 BARS E	#4 BARS F	#4 BARS F ₁	#4 BARS F ₂	#4 BARS F ₃	#4 BARS J	#4 BARS J ₁	#4 BARS O	#4 BARS P	#4 BARS P ₁	#4 BARS P ₂	#4 BARS P ₃	#4 BARS S	#4 BARS N	#6 BARS M	#6 BARS M ₁	#6 BARS M ₂	#6 BARS M ₃	#6 BARS M ₄	#6 BARS M ₅	#6 BARS M ₆	#6 BARS M ₇	#6 BARS M ₈	#6 BARS M ₉	#6 BARS M ₁₀	#6 BARS M ₁₁	#6 BARS M ₁₂	#6 BARS M ₁₃	#6 BARS M ₁₄	#6 BARS M ₁₅	#6 BARS M ₁₆	#6 BARS M ₁₇	#6 BARS M ₁₈	#6 BARS M ₁₉	#6 BARS M ₂₀	#6 BARS M ₂₁	#6 BARS M ₂₂	#6 BARS M ₂₃	#6 BARS M ₂₄	#6 BARS M ₂₅	#6 BARS M ₂₆	#6 BARS M ₂₇	#6 BARS M ₂₈	#6 BARS M ₂₉	#6 BARS M ₃₀	#6 BARS M ₃₁	#6 BARS M ₃₂	#6 BARS M ₃₃	#6 BARS M ₃₄	#6 BARS M ₃₅	#6 BARS M ₃₆	#6 BARS M ₃₇	#6 BARS M ₃₈	#6 BARS M ₃₉	#6 BARS M ₄₀	#6 BARS M ₄₁	#6 BARS M ₄₂	#6 BARS M ₄₃	#6 BARS M ₄₄	#6 BARS M ₄₅	#6 BARS M ₄₆	#6 BARS M ₄₇	#6 BARS M ₄₈	#6 BARS M ₄₉	#6 BARS M ₅₀	#6 BARS M ₅₁	#6 BARS M ₅₂	#6 BARS M ₅₃	#6 BARS M ₅₄	#6 BARS M ₅₅	#6 BARS M ₅₆	#6 BARS M ₅₇	#6 BARS M ₅₈	#6 BARS M ₅₉	#6 BARS M ₆₀	#6 BARS M ₆₁	#6 BARS M ₆₂	#6 BARS M ₆₃	#6 BARS M ₆₄	#6 BARS M ₆₅	#6 BARS M ₆₆	#6 BARS M ₆₇	#6 BARS M ₆₈	#6 BARS M ₆₉	#6 BARS M ₇₀	#6 BARS M ₇₁	#6 BARS M ₇₂	#6 BARS M ₇₃	#6 BARS M ₇₄	#6 BARS M ₇₅	#6 BARS M ₇₆	#6 BARS M ₇₇	#6 BARS M ₇₈	#6 BARS M ₇₉	#6 BARS M ₈₀	#6 BARS M ₈₁	#6 BARS M ₈₂	#6 BARS M ₈₃	#6 BARS M ₈₄	#6 BARS M ₈₅	#6 BARS M ₈₆	#6 BARS M ₈₇	#6 BARS M ₈₈	#6 BARS M ₈₉	#6 BARS M ₉₀	#6 BARS M ₉₁	#6 BARS M ₉₂	#6 BARS M ₉₃	#6 BARS M ₉₄	#6 BARS M ₉₅	#6 BARS M ₉₆	#6 BARS M ₉₇	#6 BARS M ₉₈	#6 BARS M ₉₉	#6 BARS M ₁₀₀	#6 BARS M ₁₀₁	#6 BARS M ₁₀₂	#6 BARS M ₁₀₃	#6 BARS M ₁₀₄	#6 BARS M ₁₀₅	#6 BARS M ₁₀₆	#6 BARS M ₁₀₇	#6 BARS M ₁₀₈	#6 BARS M ₁₀₉	#6 BARS M ₁₁₀	#6 BARS M ₁₁₁	#6 BARS M ₁₁₂	#6 BARS M ₁₁₃	#6 BARS M ₁₁₄	#6 BARS M ₁₁₅	#6 BARS M ₁₁₆	#6 BARS M ₁₁₇	#6 BARS M ₁₁₈	#6 BARS M ₁₁₉	#6 BARS M ₁₂₀	#6 BARS M ₁₂₁	#6 BARS M ₁₂₂	#6 BARS M ₁₂₃	#6 BARS M ₁₂₄	#6 BARS M ₁₂₅	#6 BARS M ₁₂₆	#6 BARS M ₁₂₇	#6 BARS M ₁₂₈	#6 BARS M ₁₂₉	#6 BARS M ₁₃₀	#6 BARS M ₁₃₁	#6 BARS M ₁₃₂	#6 BARS M ₁₃₃	#6 BARS M ₁₃₄	#6 BARS M ₁₃₅	#6 BARS M ₁₃₆	#6 BARS M ₁₃₇	#6 BARS M ₁₃₈	#6 BARS M ₁₃₉	#6 BARS M ₁₄₀	#6 BARS M ₁₄₁	#6 BARS M ₁₄₂	#6 BARS M ₁₄₃	#6 BARS M ₁₄₄	#6 BARS M ₁₄₅	#6 BARS M ₁₄₆	#6 BARS M ₁₄₇	#6 BARS M ₁₄₈	#6 BARS M ₁₄₉	#6 BARS M ₁₅₀	#6 BARS M ₁₅₁	#6 BARS M ₁₅₂	#6 BARS M ₁₅₃	#6 BARS M ₁₅₄	#6 BARS M ₁₅₅	#6 BARS M ₁₅₆	#6 BARS M ₁₅₇	#6 BARS M ₁₅₈	#6 BARS M ₁₅₉	#6 BARS M ₁₆₀	#6 BARS M ₁₆₁	#6 BARS M ₁₆₂	#6 BARS M ₁₆₃	#6 BARS M ₁₆₄	#6 BARS M ₁₆₅	#6 BARS M ₁₆₆	#6 BARS M ₁₆₇	#6 BARS M ₁₆₈	#6 BARS M ₁₆₉	#6 BARS M ₁₇₀	#6 BARS M ₁₇₁	#6 BARS M ₁₇₂	#6 BARS M ₁₇₃	#6 BARS M ₁₇₄	#6 BARS M ₁₇₅	#6 BARS M ₁₇₆	#6 BARS M ₁₇₇	#6 BARS M ₁₇₈	#6 BARS M ₁₇₉	#6 BARS M ₁₈₀	#6 BARS M ₁₈₁	#6 BARS M ₁₈₂	#6 BARS M ₁₈₃	#6 BARS M ₁₈₄	#6 BARS M ₁₈₅	#6 BARS M ₁₈₆	#6 BARS M ₁₈₇	#6 BARS M ₁₈₈	#6 BARS M ₁₈₉	#6 BARS M ₁₉₀	#6 BARS M ₁₉₁	#6 BARS M ₁₉₂	#6 BARS M ₁₉₃	#6 BARS M ₁₉₄	#6 BARS M ₁₉₅	#6 BARS M ₁₉₆	#6 BARS M ₁₉₇	#6 BARS M ₁₉₈	#6 BARS M ₁₉₉	#6 BARS M ₂₀₀	#6 BARS M ₂₀₁	#6 BARS M ₂₀₂	#6 BARS M ₂₀₃	#6 BARS M ₂₀₄	#6 BARS M 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₃₄₈	#6 BARS M ₃₄₉	#6 BARS M ₃₅₀	#6 BARS M ₃₅₁	#6 BARS M ₃₅₂	#6 BARS M ₃₅₃	#6 BARS M ₃₅₄	#6 BARS M ₃₅₅	#6 BARS M ₃₅₆	#6 BARS M ₃₅₇	#6 BARS M ₃₅₈	#6 BARS M ₃₅₉	#6 BARS M ₃₆₀	#6 BARS M ₃₆₁	#6 BARS M ₃₆₂	#6 BARS M ₃₆₃	#6 BARS M ₃₆₄	#6 BARS M ₃₆₅	#6 BARS M ₃₆₆	#6 BARS M ₃₆₇	#6 BARS M ₃₆₈	#6 BARS M ₃₆₉	#6 BARS M ₃₇₀	#6 BARS M ₃₇₁	#6 BARS M ₃₇₂	#6 BARS M ₃₇₃	#6 BARS M ₃₇₄	#6 BARS M ₃₇₅	#6 BARS M ₃₇₆	#6 BARS M ₃₇₇	#6 BARS M ₃₇₈	#6 BARS M ₃₇₉	#6 BARS M ₃₈₀	#6 BARS M ₃₈₁	#6 BARS M ₃₈₂	#6 BARS M ₃₈₃	#6 BARS M ₃₈₄	#6 BARS M ₃₈₅	#6 BARS M ₃₈₆	#6 BARS M ₃₈₇	#6 BARS M ₃₈₈	#6 BARS M ₃₈₉	#6 BARS M ₃₉₀	#6 BARS M ₃₉₁	#6 BARS M ₃₉₂	#6 BARS M ₃₉₃	#6 BARS M ₃₉₄	#6 BARS M ₃₉₅	#6 BARS M ₃₉₆	#6 BARS M ₃₉₇	#6 BARS M ₃₉₈	#6 BARS M ₃₉₉	#6 BARS M ₄₀₀	#6 BARS M ₄₀₁	#6 BARS M ₄₀₂	#6 BARS M ₄₀₃	#6 BARS M ₄₀₄	#6 BARS M ₄₀₅	#6 BARS M ₄₀₆	#6 BARS M ₄₀₇	#6 BARS M ₄₀₈	#6 BARS M ₄₀₉	#6 BARS M ₄₁₀	#6 BARS M ₄₁₁	#6 BARS M ₄₁₂	#6 BARS M ₄₁₃	#6 BARS M ₄₁₄	#6 BARS M ₄₁₅	#6 BARS M ₄₁₆	#6 BARS M ₄₁₇	#6 BARS M ₄₁₈	#6 BARS M ₄₁₉	#6 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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.S. 20-44 MILITARY, WHICHEVER IS GREATER.

ALL CONCRETE TO BE CLASS "A".

ALL EXPOSED CORNERS TO HAVE 3/4" CHAMFER UNLESS OTHERWISE NOTED.

REINFORCEMENT SHALL BE BILLY STEEL A.S.T.M. A615.

OR RAIL-STEEL A.S.T.M. A615.

DIMENSIONS RELATING TO REINFORCING STEEL ARE TO BAR CENTERS.

A 1" x 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.

APPROVED BY: *[Signature]* 1-5-78

CHIEF ENGINEER DATE

CC-S.M.7-8-R.60°-1

STANDARD PLAN
MULTIPLE OPENINGS
REINFORCED CONCRETE BOX CULVERT
STRAIGHT WINGS 60° CROSSING
7x5' 7x6' 8x5' 8x6'

DATED May 24, 1965

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED *[Signature]* CHECKED *[Signature]* IN CHARGE OF *[Signature]*

DATE DESCRIPTION BY

REVISIONS

1-5-78 Rev Weep Hole Note W.T.J.
2-20-78 Rev Slope Intercept W.T.J.
4-9-78 Rev Gen. Notes For Steel W.E.M.
1-20-81 Added Note Sheet W.E.M.