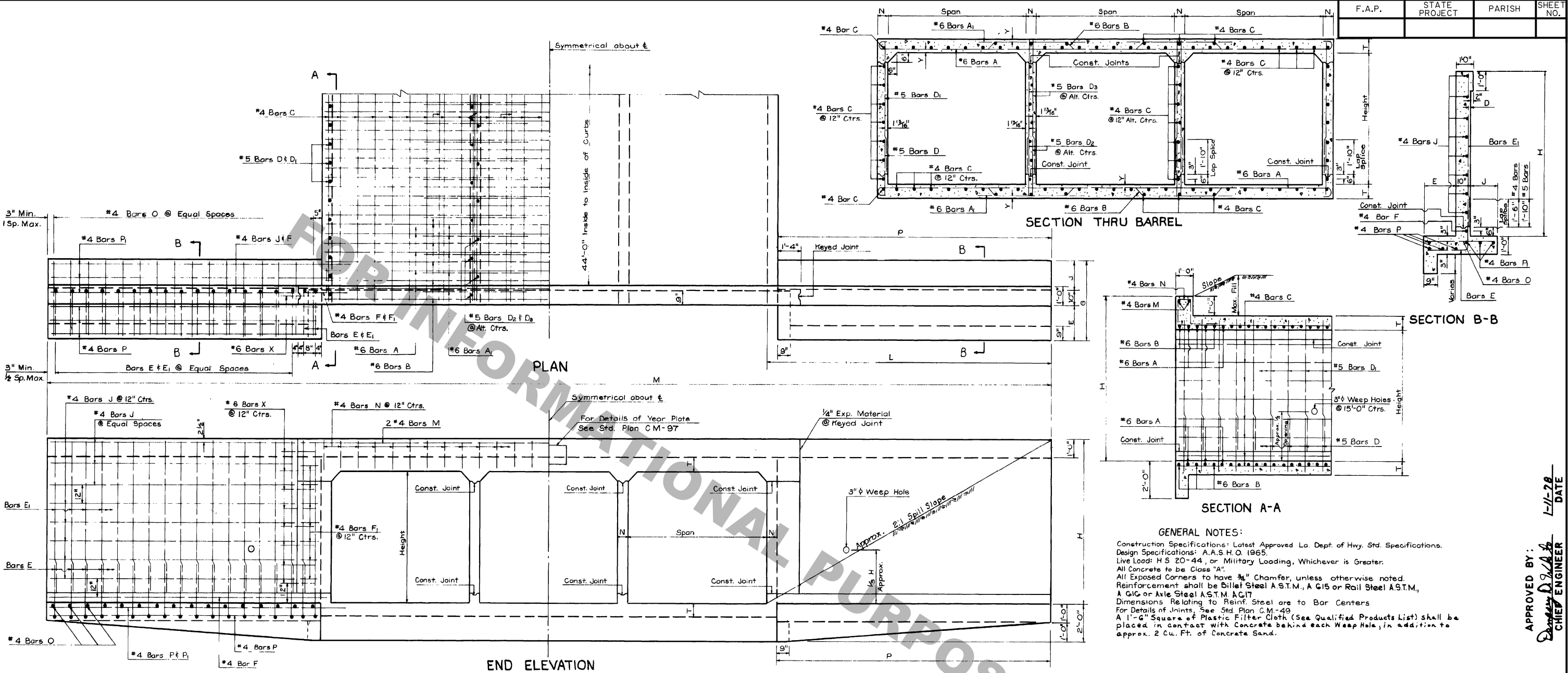
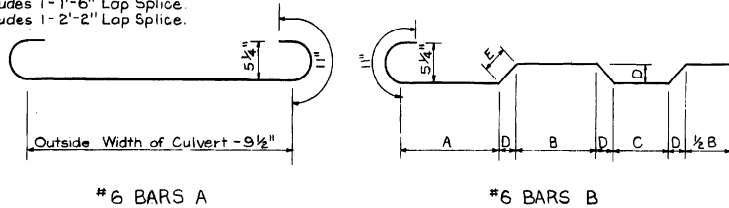




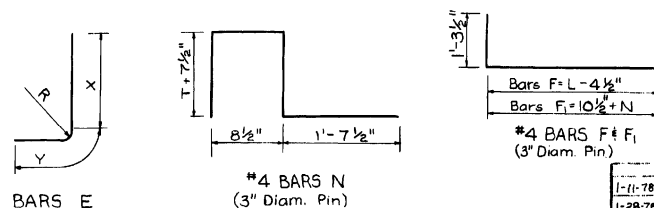
DIMENSIONS																							
OPENINGS		MAX. FILL		BARREL		WINGS AND CURBS																	
SIZE	AREA	SLAB	WALLS	T	N	Y	D	E	J	G	H	L	P	M	BARREL REINFORCEMENT								
Ft.	No.	Sq. Ft.	Ft.	In.	In.	In.	In.	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.	Bars A	Bars A ₁	Bars B	#4 Bars C	#5 Bars D & D ₁	#5 Bars D ₂ & D ₃	Bars E	Bars E ₁	#4 Bars F
8x7	2 112	9	6	9	7	1 1/2	1 1/2	1-10	1-7	4-3	8-9	16-5	15-10	49-5	#6 92 18-9 1/2	#6 92 27-4 1/2	#6 92 19-1 1/2	12 63 47-2	92 2-11 7-1	12 46 2-11 7-1	#4 72 5-0	#4 72 8-1	4 17-4
	3 168													58-0	#6 92 27-4 1/2	#6 184 6-2	#6 92 28-1 1/2	12 92 47-2	92 2-11 7-1	12 92 2-11 7-1			28-9
	4 224													66-7	#6 92 35-11 1/2	#6 276 6-2	#6 92 37-0 1/2	12 121 47-2	92 2-11 7-1	12 138 2-11 7-1	#4 64 3-10	#4 64 15-6	12 17-2
	5 280													75-2	#6 92 46-8 1/2	#6 368 6-2	#6 92 48-1 1/2	12 150 47-2	92 2-11 7-1	12 184 2-11 7-1			32 14-2
	6 336													83-9	#6 92 55-3 1/2	#6 460 6-2	#6 92 57-0 1/2	12 179 47-2	92 2-11 7-1	12 230 2-11 7-1	#4 64 3-10	#4 64 15-6	12 17-2
9x7	2 126	8	8	9 1/2	8	1 1/2	1 1/2	1-10	1-7	4-3	8-9	16-6	15-10	51-8	#6 100 21-0 1/2	#6 100 6-9	#6 102 21-5 1/2	11 67 47-2	92 2-11 7-1	12 46 2-11 7-1	#4 72 5-0	#4 72 8-1	4 17-5
	3 189													61-4	#6 100 30-8 1/2	#6 200 6-9	#6 102 31-6 1/2	11 98 47-2	92 2-11 7-1	12 92 2-11 7-1			28 2-10
	4 252													71-0	#6 100 40-4 1/2	#6 300 6-9	#6 102 41-6 1/2	11 129 47-2	92 2-11 7-1	12 138 2-11 7-1	#4 64 3-10	#4 64 15-6	12 17-2
	5 315													80-8	#6 100 52-2 1/2	#6 400 6-9	#6 102 53-9 1/2	11 160 47-2	92 2-11 7-1	12 184 2-11 7-1			32 14-2
9x8	2 144	8	5	9 1/2	8	1 1/2	1 1/2	2-0	2-0	4-10	9-9	18-7	17-11	55-10	#6 100 21-0 1/2	#6 100 6-9	#6 102 21-5 1/2	11 70 47-2	92 2-11 7-1	12 46 2-11 7-1	#4 72 5-0	#4 72 8-1	4 17-5
	3 216													65-6	#6 100 30-8 1/2	#6 200 6-9	#6 102 31-6 1/2	11 102 47-2	92 2-11 7-1	12 92 2-11 7-1			28 2-10
	4 288													75-2	#6 100 40-4 1/2	#6 300 6-9	#6 102 41-6 1/2	11 134 47-2	92 2-11 7-1	12 138 2-11 7-1	#4 72 5-0	#4 72 8-1	4 17-5
	5 360													84-10	#6 100 52-2 1/2	#6 400 6-9	#6 102 53-9 1/2	11 166 47-2	92 2-11 7-1	12 184 2-11 7-1			32 14-2

- #6 Bars "X" to be 3/8" Smooth and Greased for 1'-0" of Length.
- Includes 1'-1"-6" Lap Splice.
- Includes 1'-2"-2" Lap Splice.



DIMENSIONS FOR BARS B					
SIZE	PIN DIAM.	A	B	C	D
8x7	4 1/2"	5'-11 1/2"	4'-1 1/2"	3'-6 3/4"	5 1/2"
9x7	4 1/2"	6'-9 3/4"	4'-8 1/4"	4'-0 1/4"	5 3/4"
9x8	4 1/2"	6'-9 3/4"	4'-8 1/4"	4'-0 1/4"	5 3/4"

DIMENSIONS FOR BARS E			
SIZE	BAR SIZE	R	X
8x7	#4	2 1/2"	2'-7"
9x7	#4	2 1/2"	2'-7"
9x8	#5	2 1/2"	2'-10 1/2"



REVISIONS		
DATE	DESCRIPTION	BY
1-11-78	Rev. Weep Hole Note	W.T.J.
1-28-78	Rev. Slope Intercept	W.T.J.
6-8-72	Rev. General Notes for Steel W.E.M.	W.E.M.

STANDARD PLAN

MULTIPLE OPENINGS

REIN. CONCRETE BOX CULVERT

STRAIGHT HDWLS.

2:1 SPILL SLOPE

8'x7' 9'x7' 9'x8'

DESIGNED **W. E. M.** DETAILED **J. R.** TRACED **M. B. P.**

CHECKED **M. K. B.** CHECKED **C. D. J.** CHECKED **W. E. M.**

IN CHARGE OF