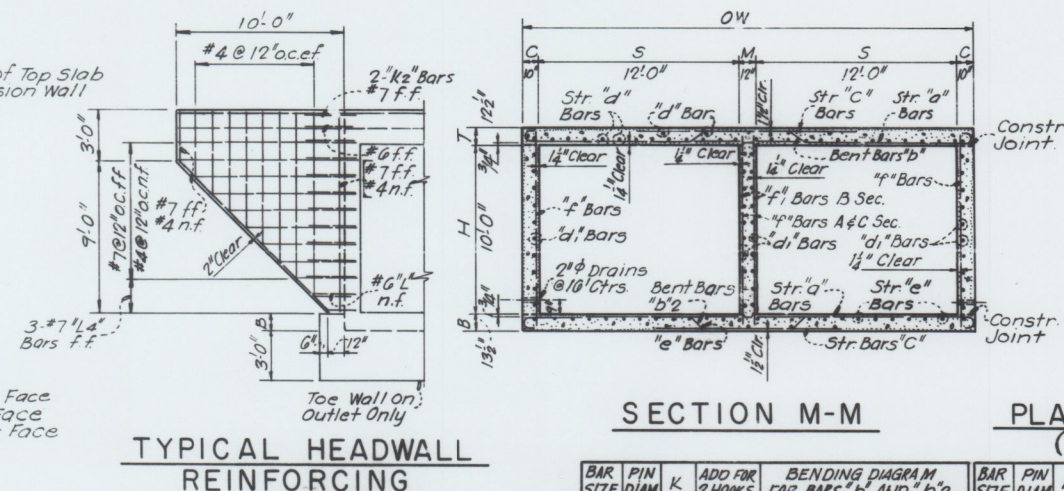
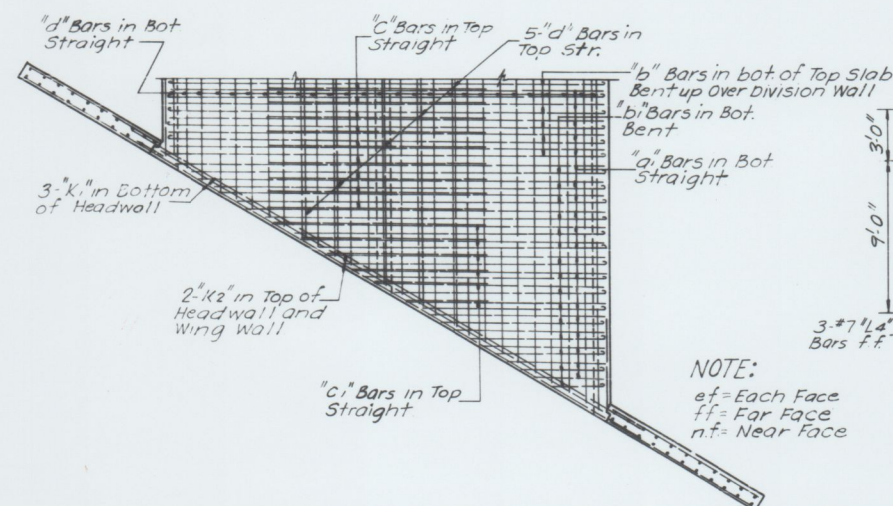
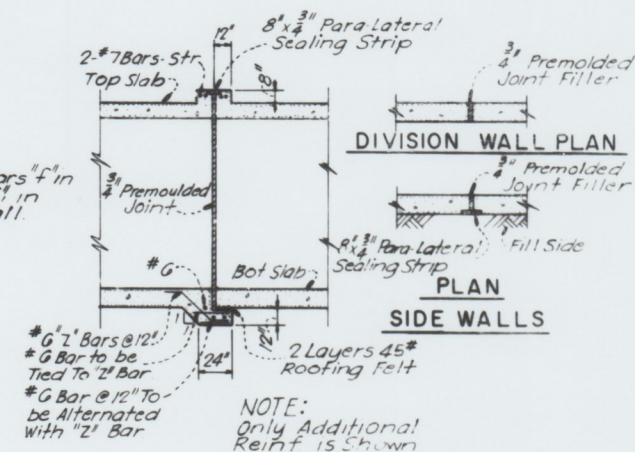
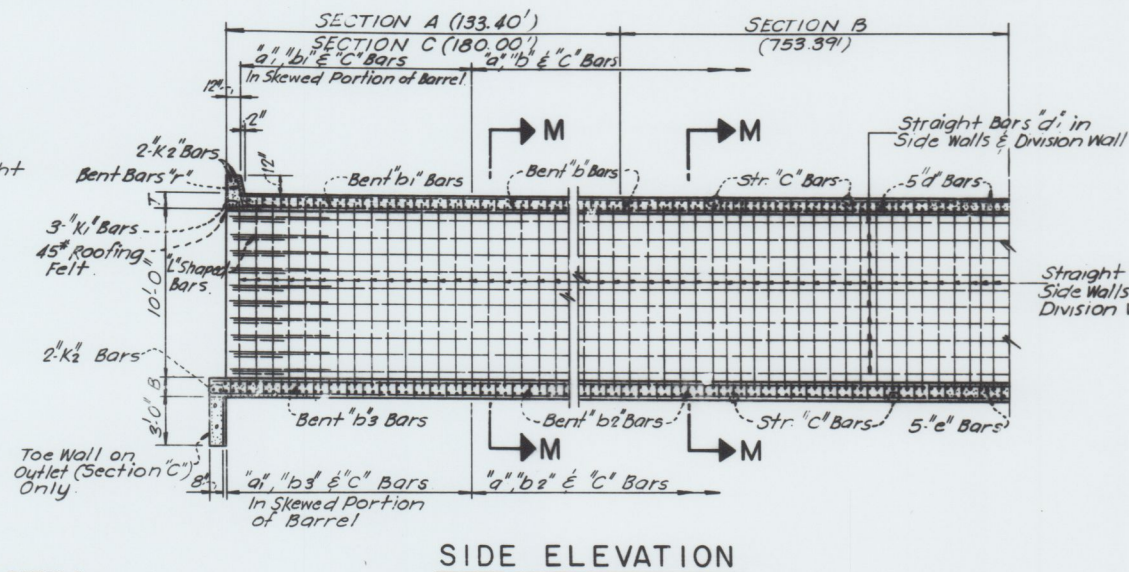
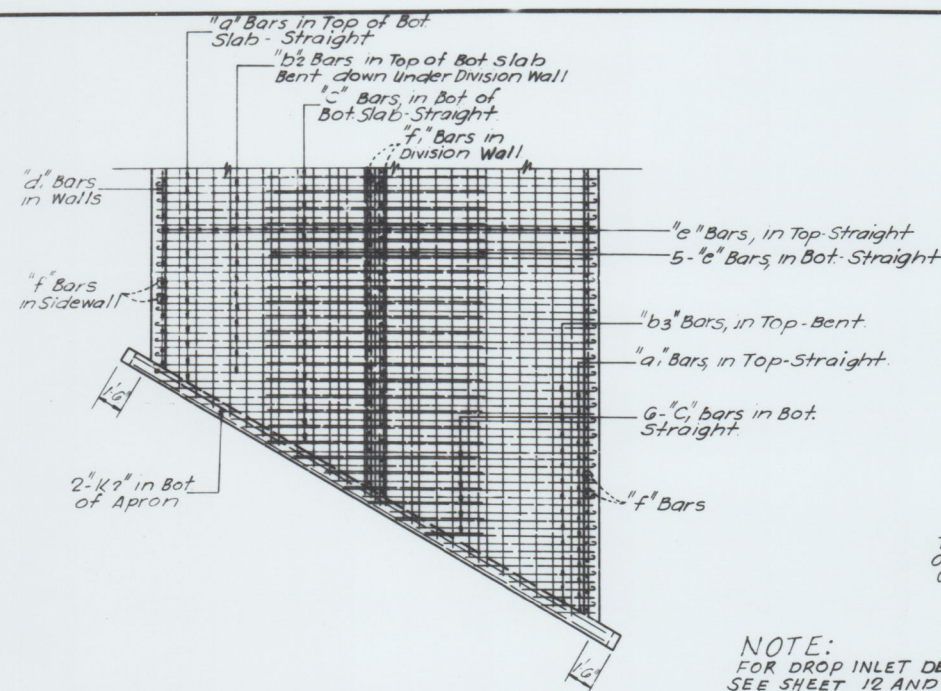


DOWEL BARS "r" IN HEADWALL						
SPAN	SIZE	SPACING	NO. REQ'D	LENGTH	X	DIAGRAM
12'	#4	12" ±	31 @ INLET	3'-6"	1'-9"	
12'	#4	12" ±	26 @ OUTLET	3'-6"	1'-9"	

BOX CLV'T HDWL. REINF. 4-SIDES (Str.Bars)			
BAR SIZE	SPACING	NO REQ'D	LENGTH
#4	12"	4 x 28	VARIES - AV 8'0"
#6	9"	2 x 2	VARIES - AV 10'6"
#7	12"	4 x 13	VARIES - AV 8'6"
#7	IN TOP OF HDWL @ INLET	4	12' 4"
#7	IN TOP OF HDWL @ OUTLET	2	48' 8"
#7	IN BOT OF HDWL @ OUTLET	3	26' 6"

SCHEDULE OF L SHAPED BARS								
REF ID	BAR	SIZE	SPACING	NO. REQ'D	LENGTH	X	Y	DIAGRAM
	"L"	#6	12" ²	2x12	7'8 3/4"	1'8 3/4"	6'0"	
	"L1"	#6	12" ²	2x11	6'0"	3'0"	-	
	"L2"	#6	12" ²	12	7'8 3/4"	1'8 3/4"	6'0"	
	"L3"	#6	12" ²	11	6'0"	5'0"	-	
	"L4"	#7	12"	6	4'5 5/8"	3'0"		
	"L5"	#7	12"	3	4'5 5/8"	3'0"		
	"L6"	#7	12"	3	4'5 5/8"	3'0"		

CONSTRUCTION JOINT REINFORCING					
BAR SIZE	SPACING	LENGTH	NO REQ'D	TYPE	
#6	-	26' 4"	7x3	STRAIGHT	
#6	12"	1' 4"	7x26	"	
#6	12"	2' 3"	7x26	"	
#6 "2"	12"	4' 6"	7x26	7x26	
#7	8"	26' 4"	7x4	STRAIGHT	

SECTION STATION		STATION		CLEAR HEIGHT	OVERALL WIDTH	THICKNESS TOP SLAB	THICKNESS SIDE WALLS	THICKNESS DIVISION WALL	THICKNESS BOT. SLAB	OVERALL HEIGHT	TABLE OF DIMENSIONS & BAR LIST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
											"a" Bars				"a" Bars				"b" Bars				"b" Bars				"b" Bars				"b" Bars				"b" Bars				"c" Bars				"c" Bars				"d" Bars				"d" Bars				"e" Bars				"f" Bars				"g" Bars				"h" Bars				"i" Bars																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
											STRAIGHT				BENT (SEE DIAGRAM ABOVE)				BENT (SEE DIAGRAM ABOVE)				BENT (SEE DIAGRAM ABOVE)				BENT (SEE DIAGRAM ABOVE)				STRAIGHT				STRAIGHT				STRAIGHT				STRAIGHT				STRAIGHT				STRAIGHT				STRAIGHT				STRAIGHT				STRAIGHT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
											In Top & Bot. Slab of Barrel				In Top & Bot. Slab of Barrel				In Bot. of Top Slab Bent up Over Division Wall Hooked				In Bot. of Top Slab Bent up Over Division Wall Hooked				In Bot. of Top Slab Bent up Over Division Wall Hooked				In Bot. of Top Slab Bent up Over Division Wall Hooked				In Top & Bot. Slab of Barrel				In Top & Bot. Slab of Barrel				Longitudinal in Top Slab of Barrel				Long. in Side Wall of Division Wall				Long. in Bot. Slab of Barrel				Verticals in Side walls				In Bottom of Headwall				In Top of Headwall				Verticals in Division Wall																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
											Two of EA Length				Two of EA Length				Alternate With "a" & "c" Bars				Alternate With "a" & "c" Bars				Alternate With "a" & "c" Bars				Alternate With "a" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c" Bars				With "b" & "c"			

NOTES: SECTION "A" IS ON 30° SKEW
 THESE BARS ARE IN THE SKEWED PORTION OF BARREL ONLY

Revised 6-21-66

CIVIC CENTER
URBAN RENEWAL PROJECT
 PINE BLUFF ARKANSAS

SITE IMPROVEMENTS

PART II DRAINAGE

BOX CULVERT DETAILS