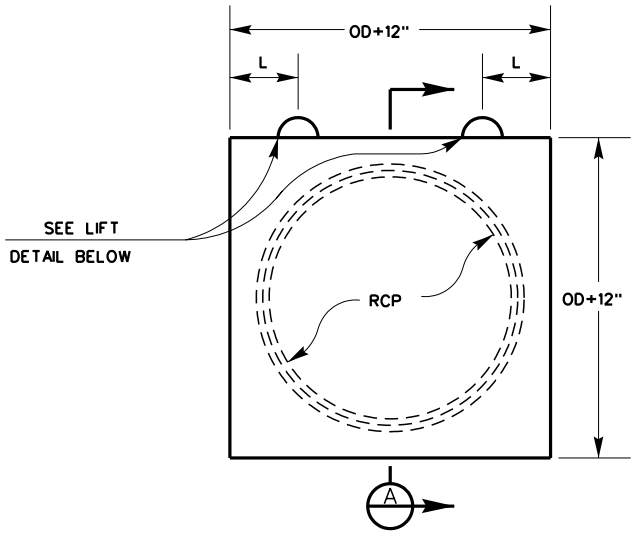
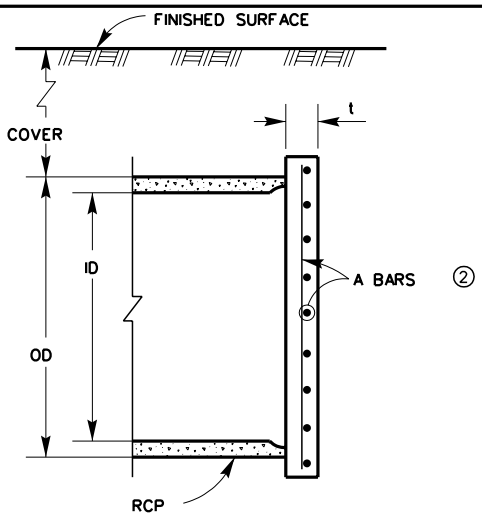
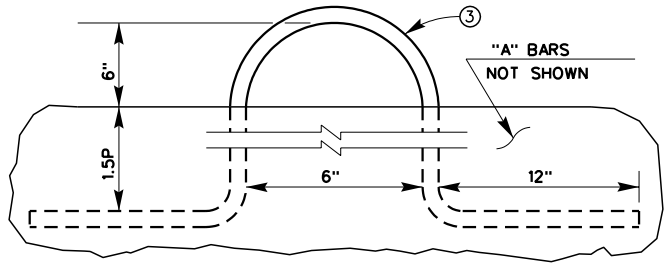


FRONT VIEW

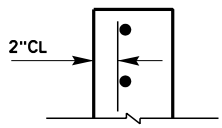


SECTION A

ID (IN)	MAX COVER (FT)	t (IN)	A BARS	L, P
48	5	4	4 @ 9	1'-6"
	10	4	4 @ 6	
	15	5	4 @ 6	
60	5	4	4 @ 6	1'-8"
	10	5	4 @ 6	
	15	5	5 @ 6	
66	5	5	4 @ 6	1'-10"
	10	5	5 @ 6	
	15	5	5 @ 6	
72	5	5	4 @ 6	2'-0"
	10	5	5 @ 6	
	15	5	6 @ 6	
78	5	5	5 @ 6	2'-2"
	10	5	6 @ 6	
	15	6	6 @ 6	
84	5	5	5 @ 6	2'-4"
	10	5	6 @ 6	
	15	6	6 @ 5	
90	5	5	6 @ 6	2'-5"
	10	6	6 @ 6	
	15	6	6 @ 5	
96	5	5	6 @ 6	2'-7"
	10	6	6 @ 5	
	15	6	7 @ 6	



LIFT DETAIL



DETAIL

NOTES

1. CONCRETE SHALL BE CLASS 'A'.
2. ALL REINFORCING STEEL SHALL BE CENTERED IN BULKHEAD EXCEPT FOR PIPE DIAMETER GREATER THAN 96", VERTICAL "A" BARS SHALL BE PLACED AT 2" CLEAR FROM THE INSIDE FACE OF THE BULKHEAD. HORIZONTAL "A" BARS SHALL BE PLACED TOWARDS OUTSIDE FACE OF BULKHEAD PER DETAIL.
3. LIFTS SHALL BE WOVEN STEEL CABLE WITH SAME MINIMUM DIAMETER (d) AS "A" BARS. WEAVE CABLE THROUGH HORIZONTAL "A" BARS. COAT EXPOSED PORTION OF CABLE LIFTS WITH AN APPROVED BITUMINOUS PAINT PRIOR TO BACKFILLING TRENCH.

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

APPROVED BY:

CHIEF ENGINEER

DATE: April 5, 2004

R.C.E. NO. 32336

CONCRETE BULKHEAD

STANDARD DRAWING NUMBER M816