

**DIMENSIONS AND ESTIMATE OF QUANTITIES
(PIPE CHAMBER)**

~NOTES~

INLET SIZE ④			PIPE		Z ①	CONCRETE						
NO. ⑥	X	Y	MAX. DIA.	LOCA- TION		CU. YD. ① ② ③	Q					
1	2'-0"		12"		2'-2"	0.9						
2	3'-0"					1.1						
3	2'-0"	2'-0"	15"	X OR Y	2'-5"	0.9						
4	3'-0"						1.2					
5	2'-0"		18"		2'-9"	1.0						
6	3'-0"						1.3					
7	2'-0"	2'-6"	21"	Y	3'-0"	1.2						
8		2'-0"		X								
9	2'-6"	2'-6"		X OR Y								
10		2'-0"		X		1.4		0.3				
11	3'-0"			X OR Y		1.5						
12	2'-0"	2'-6"	24"	Y	3'-3"	1.3						
13		2'-0"		X								
14	2'-6"	2'-6"		X OR Y				1.5				
15		2'-0"		X		1.4						
16	3'-0"	2'-6"		X OR Y		1.6						
17	2'-0"	3'-0"	27"	Y	3'-6"	1.5						
18	2'-6"					X			1.7			
19		2'-0"		X		1.5						
20	3'-0"	2'-6"				1.7						
21		3'-0"		X OR Y		1.9		0.4				
22	2'-0"		30"		4'-1"			0.3				
23	2'-6"	3'-6"		Y			2.1		0.4			
24	3'-0"						2.3					
25		2'-0"	30"	X	3'-10"	1.8		0.3				
26		2'-6"						2.0				
27	3'-6"	3'-0"						2.2		0.4		
28				X OR Y	4'-1"	2.5						
29	2'-0"	3'-6"	33"	Y	4'-4"	2.0		0.3				
30	2'-6"								2.2		0.4	
31	3'-0"					2.4						
32		2'-0"	33"	X	4'-1"	1.9		0.3				
33		2'-6"						2.1				
34	3'-6"	3'-0"						2.3				
35		3'-6"		X OR Y	4'-4"	2.6						
36	2'-0"	4'-0"	36"	Y	4'-7"	2.2		0.4				
37	2'-6"									2.5		
38	3'-0"									2.7		
39	3'-6"					2.9						
40		2'-0"	36"	X	4'-4"	2.1						
41		2'-6"						2.4				
42	4'-0"	3'-0"						2.6				
43		3'-6"				2.9						
44		4'-0"		X OR Y	4'-7"	3.2		0.5				
45	2'-0"	4'-6"	42"	Y	5'-2"	2.6		0.4				
46	2'-6"									2.9		
47	3'-0"									3.2		

INLET SIZE ④			PIPE		Z ①	CONCRETE					
NO. ⑥	X	Y	MAX. DIA.	LOCA- TION		CU. YD. ① ② ③	Q				
48	3'-6"	4'-6"	42"	Y	5'-2"	3.4		0.5			
49	4'-0"						3.7				
50		2'-0"	42"	X	4'-11"	2.5		0.4			
51		2'-6"								2.8	
52	4'-6"	3'-0"								3.0	
53		3'-6"								3.4	
54		4'-0"	48"	X OR Y	5'-2"	3.5		0.5			
55		4'-6"								3.9	
56	2'-0"									3.0	
57	2'-6"					3.3					
58	3'-0"	5'-0"	48"	Y	5'-8"	3.6		0.5			
59	3'-6"									3.9	
60	4'-0"					4.2					
61	4'-6"					4.5					
62		2'-0"	48"	X	5'-5"	2.9		0.4			
63		2'-6"								3.2	
64		3'-0"								3.5	
65	5'-0"	3'-6"								3.9	
66		4'-0"			5'-8"	4.2					
67		4'-6"					4.5				
68		5'-0"		X OR Y		4.7		0.6			

- ① BASED ON Z AS EQUAL TO D+++12" WHEN "Y" DIMENSION IS LESS THAN 3'-6". BASED ON Z AS EQUAL TO D+++15" WHEN "Y" DIMENSION IS 3'-6" OR GREATER.
- ② SEE REFERENCE CHART FOR QUANTITIES TO DEDUCT FOR PIPE.
- ③ Q = CU. YD. PER FOOT INCREASE OR DECREASE WHEN Z VARIES.
- ④ SEE THE FOLLOWING CUR. STD. DWGS. FOR STEEL PATTERN AND DIMENSIONS:
CURB BOX INLET TYPE A - RDB-270 AND RDB-271
CURB BOX INLET TYPE B - RDB-280 AND RDB-281
5. SEE CUR. STD. DWGS. RDB-400 AND RDB-420 FOR REINFORCEMENT IN PIPE CHAMBER AND RISER WHEN H = 8'-0" OR GREATER.
- ⑥ INLETS ARE SHOWN ON PLANS AS CURB BOX INLET TYPE "A" OR CURB BOX INLET TYPE "B". FOLLOWING THIS ON THE PLANS ARE TWO NUMBERS AND A BOX HEIGHT. USE FIRST NUMBER WITH THIS CHART.

REFERENCE CHART

DIA. OF PIPE	C.B.I. TYPE A		C.B.I. TYPE B		CONCRETE TO DEDUCT FOR EACH PIPE CUBIC YARDS			
	PIPE ON "X" SIDE OF INLET	PIPE ON "Y" SIDE OF INLET	PIPE ON "X" SIDE OF INLET	PIPE ON "Y" SIDE OF INLET				
0					-			
12"	3'-0"	2'-0"	2'-0"	2'-0"	0.1			
15"-18"								
21"-24"						2'-6"	2'-6"	2'-6"
27"		3'-0"	3'-0"	3'-0"	0.2			
30"-33"	3'-6"	3'-6"	3'-6"	3'-6"				
36"	4'-0"	4'-0"	4'-0"	4'-0"	0.3			
42"	4'-6"	4'-6"	4'-6"	4'-6"	0.4			
48"	5'-0"	5'-0"	5'-0"	5'-0"	0.5			

USE THIS DRAWING FOR BOTTOM PHASE AND COMPLETE INLET WITH C.B.I. A AND C.B.I. B.

KENTUCKY DEPARTMENT OF HIGHWAYS	
BOX INLET PIPE CHAMBER	
STANDARD DRAWING NO. RDB-410-05	
SUBMITTED: <i>John B. Sackett</i> DIRECTOR, DIVISION OF DESIGN	12-1-99 DATE
APPROVED: <i>J. M. Howell</i> STATE HIGHWAY ENGINEER	12-1-99 DATE