

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

~ NOTES ~

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

INLET SIZE ④			PIPE		Z ①	CONCRETE		
NO. ⑥	X	Y	MAX. DIA.	LOCA- TION		①	②	Q ③
48	3'-6"	4'-6"		Y	5'-2"	3.4		0.5
49	4'-0"					3.7		
50		2'-0"	42"			2.5		
51		2'-6"				2.8	0.4	
52		3'-0"		X	4'-11"	3.0		
53		3'-6"				3.4		
54		4'-0"			5'-2"	3.5	0.5	
55		4'-6"		X OR Y		3.9		
56	2'-0"					3.0	0.4	
57	2'-6"					3.3		
58	3'-0"	5'-0"		Y	5'-8"	3.6		
59	3'-6"					3.9	0.5	
60	4'-0"					4.2		
61	4'-6"					4.5		
62		2'-0"	48"			2.9	0.4	
63		2'-6"				3.2		
64		3'-0"		X	5'-5"	3.5		
65	5'-0"	3'-6"				3.9	0.5	
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+t+12" WHEN "Y" DIMENSION IS LESS THAN 3'-6". BASED ON "Z" AS EQUAL TO D+t+15" WHEN "Y" DIMENSION IS 3'-6" OR GREATER.
- ② SEE REFERENCE CHART FOR QUANTITIES TO DEDUCT FOR PIPE.
- ③ Q = CU. YDS. PER FT. 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 CU. YDS.
	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"		2'-0"	2'-0"	2'-0"	
15"-18"	3'-0"				0.1
21"-24"		2'-6"	2'-6"	2'-6"	
27"		3'-0"	3'-0"	3'-0"	
30"-33"	3'-6"	3'-6"	3'-6"	3'-6"	0.2
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.

USE WITH CUR. STD. DWG.
RDB-270 RDB-271 RDB-280
RDB-281 RDB-400 RDB-420

KENTUCKY DEPARTMENT OF HIGHWAYS	
BOX INLET PIPE CHAMBER	
STANDARD DRAWING NO. RDB-410-06	
SUBMITTED  12-01-15	DATE
APPROVED  12-01-15	DATE
STATE HIGHWAY ENGINEER	