DIMENSIONS AND ESTIMATE OF QUANTITIES
(PIPE CHAMBER)

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

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

~ NOTES ~

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. 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
	PIPE ON ″X″ SIDE OF INLET	PIPE ON ″Y″ SIDE OF INLET	PIPE ON ″X″ SIDE OF INLET	PIPE ON ″Y″ SIDE OF INLET	CU. YDS.
0	3′-0″	2′-0″	2′-0″	2′-0″	-
12″					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.

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 _____ DIRECTOR DIVISION OF DESIGN 12-01-15 DATE

APPROVED _____ STATE HIGHWAY ENGINEER 12-01-15 DATE