

DIMENSIONS AND ESTIMATE OF QUANTITIES

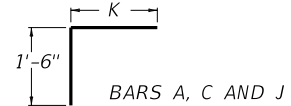
INLET SIZE			PIPE		④	CONCRETE		REINF.
NO.	X	Y	MAX. DIA.	SIDE		H	CUBIC YARDS	⑥
1	4'-6"	3'-0"	42"	X	5'-1/2"	4.3	0.5	240
2		3'-6"				4.7		252
3		4'-0"				5.0		348
4		4'-6"				5.3		365
5	5'-0"	3'-0"	48"	X	5'-7"	4.9	0.5	255
6		3'-6"				5.2		268
7		4'-0"				5.6		372
8		4'-6"				5.9		390
9	5'-0"		X OR Y			6.3	0.6	416
10	5'-6"	3'-0"	54"	X	6'-1/2"	5.4	0.5	262
11		3'-6"				5.8		276
12		4'-0"				6.2		388
13		4'-6"				6.6		407
14	5'-0"		X OR Y			7.0	0.6	434
15	5'-6"					7.4		453
16	6'-0"	3'-0"	60"	X	6'-8"	6.0	0.5	278
17		3'-6"				6.4		292
18		4'-0"				6.8		412
19		4'-6"				7.3		432
20	5'-0"		X OR Y			7.7	0.6	460
21	5'-6"					8.1		480
22	6'-0"					8.5	0.7	508

BILL OF REINFORCEMENT

NUMBER 5 REINFORCEMENT BARS																																	
M A R K	NO.	LGTH.		K	M A R K	NO.	LGTH.		K	M A R K	NO.	LGTH.		K	M A R K	NO.	LGTH.		K														
		①	FT.				IN.	①				FT.	IN.				①	FT.		IN.	①	FT.	IN.										
4'-6" x 3'-0"					5'-0" x 3'-6"					5'-6" x 3'-6"					5'-6" x 5'-6"					6'-0" x 4'-6"													
A	18	3	10	2	4	A	20	3	10	2	4	A	20	3	10	2	4	A	24	3	10	2	4	A	24	3	10	2	4				
B	4	8	0			B	4	8	6			B	4	8	6			B	4	10	6			B	4	9	6						
C	12	2	5	0	11	C	14	2	8	1	2	C	14	2	11	1	5	C	22	2	11	1	5	C	18	3	2	1	8				
D	10	4	0			D	10	4	6			D	10	4	6			D	10	6	6			D	10	5	6						
E	4	5	6			E	4	6	0			E	4	6	6			E	10	6	6			E	10	7	0						
G	4	9	6			G	4	10	0			G	4	10	6			G	4	10	6			G	4	11	0						
4'-6" x 3'-6"					5'-0" x 4'-0"					5'-6" x 4'-0"					6'-0" x 3'-0"					6'-0" x 5'-0"													
A	18	3	10	2	4	A	22	3	10	2	4	A	22	3	10	2	4	6'-0" x 3'-0"					6'-0" x 5'-0"										
B	4	8	6			B	4	9	0			B	4	9	0			A	22	3	10	2	4	A	26	3	10	2	4				
C	14	2	5	0	11	C	16	2	8	1	2	C	16	2	11	1	5	B	4	8	0			B	4	10	0						
D	10	4	6			D	10	5	0			D	10	5	0			C	12	3	2	1	8	C	20	3	2	1	8				
E	4	5	6			E	10	6	0			E	10	6	6			D	10	4	0			D	10	6	0						
G	4	9	6			G	4	10	0			G	4	10	6			E	4	7	0			E	10	7	0						
4'-6" x 4'-0"					5'-0" x 4'-6"					5'-6" x 4'-6"					6'-0" x 3'-6"					6'-0" x 5'-6"													
A	20	3	10	2	4	A	22	3	10	2	4	A	22	3	10	2	4	A	22	3	10	2	4	6'-0" x 3'-6"					6'-0" x 5'-6"				
B	4	9	0			B	4	9	6			B	4	9	6			B	4	8	6			A	26	3	10	2	4				
C	16	2	5	0	11	C	18	2	8	1	2	C	18	2	11	1	5	C	14	3	2	1	8	B	4	10	6						
D	10	5	0			D	10	5	6			D	10	5	6			D	10	4	6			C	22	3	2	1	8				
E	10	5	6			E	10	6	0			E	10	6	6			E	4	7	0			D	10	6	6						
G	4	9	6			G	4	10	0			G	4	10	6			G	4	11	0			E	10	7	0						
J	18	2	2	0	8	J	20	2	5	0	11	J	22	2	5	0	11	G	4	11	0			E	10	7	0						
4'-6" x 4'-6"					5'-0" x 5'-0"					5'-6" x 5'-0"					6'-0" x 4'-0"					6'-0" x 6'-0"													
A	20	3	10	2	4	A	24	3	10	2	4	A	24	3	10	2	4	A	24	3	10	2	4	6'-0" x 6'-0"									
B	4	9	6			B	4	10	0			B	4	10	0			B	4	9	0			A	28	3	10	2	4				
C	18	2	5	0	11	C	20	2	8	1	2	C	20	2	11	1	5	C	16	3	2	1	8	B	4	11	0						
D	10	5	6			D	10	6	0			D	10	6	0			D	10	5	0			C	24	3	2	1	8				
E	10	5	6			E	10	6	0			E	10	6	6			E	10	7	0			D	10	7	0						
G	4	9	6			G	4	10	0			G	4	10	6			G	4	11	0			E	10	7	0						
J	18	2	5	0	11	J	20	2	8	1	2	J	22	2	8	1	2	J	24	2	2	0	8	G	4	11	0						
5'-0" x 3'-0"					5'-6" x 3'-0"																												
A	20	3	10	2	4	A	20	3	10	2	4																						
B	4	8	0			B	4	8	0																								
C	12	2	8	1	2	C	12	2	11	1	5																						
D	10	4	0			D	10	4	0																								
E	4	6	0			E	4	6	6																								
G	4	10	0			G	4	10	6																								

~ BAR NOTES ~

- ① NUMBER OF BARS IN ONE D.B.I. TYPE 7.
2. DIMENSIONS ARE 0. TO 0. OF BARS.
3. ALL BARS ARE STRAIGHT EXCEPT THOSE SHOWN BELOW.



USE WITH CUR. STD. DWG. RDB-007

KENTUCKY
DEPARTMENT OF HIGHWAYS

DROP BOX INLET
TYPE 7
(DIMENSION & STEEL CHARTS)

STANDARD DRAWING NO. RDB-008-04

SUBMITTED *[Signature]* 12-01-15
DATE

APPROVED *[Signature]* 12-01-15
DATE

STATE HIGHWAY ENGINEER

- ~ NOTES ~
- ④ BASED ON "H" AS EQUAL TO D+T+1'-2".
 - ⑤ FOR PIPE SIZES LESS THAN 42" USE APPLICABLE CURRENT RDB-SERIES.
 - ⑥ Q=CUBIC YARDS OF CONCRETE PER FOOT INCREASE OR DECREASE WHEN "H" VARIES FROM D+T+1'-2".
 7. NO DEDUCTIONS HAVE BEEN MADE FOR PIPE, SEE REFERENCE CHART FOR QUANTITIES TO DEDUCT.
 8. "T" IS CONCRETE PIPE WALL THICKNESS OR METAL PIPE CORRUGATION DEPTH.
 9. D=INSIDE DIAMETER OF PIPE.
 10. A, B AND G BARS SPACED 1'-0" O.C., C AND J BARS SPACED 6" O.C., ALL OTHER BARS SPACED AS SHOWN.