DIMENSIONS AND ESTIMATE OF QUANTITIES (PIPE CHAMBER-SAG CONDITION)

INLET SIZE 4			MAX.	PIPE	Z	CONCRETE	
NO. 6	Χ	Υ	PIPE DIA.	LOCATION	1	CU. YD.	Q ③
71		1'-3"	12"	X OR Y	2'-2"	1.2	
72		1'-3"	15"	Χ	2'-5"	1.3	
73		2'-0''	15	X OR Y	2-5	1.6	
74		1'-3"	18"	Χ	2'-9''	1.4	
75		2'-0''		X OR Y		1.8	
76		1'-3''		Χ		1.5	
77		2'-0''	21"		3'-0''	1.9	0.4
78	. [2'-6''		X OR Y		2.1	
79		1'-3''	.	Χ		1.6	
80		2'-0''	24"		3'-3"	2.0	
81		2'-6"		X OR Y		2.2	
82		1'-3''				1.7	
83		2'-0''	27"	Χ	3'-6"	2.1	
84		2'-6"				2.3	
85		3'-0''		X OR Y		2.5	0.5
86		1'-3"	.	X	3'-10''	1.8	0.4
87		2'-0"	2011			2.2	
88		2'-6"	30"			2.4	0.5
89		3'-0"		V 00 V		2.7	
90 91		3'-6" 1'-3"		X OR Y		3.0 1.9	
91		2'-0"	.			2.3	0.4
93		2'-6"	33"	X	4'-1''	2.5	0.4
94	4'-11''	3'-0"	55			2.8	
95		3'-6"		X OR Y		3.2	0.5
96		1'-3"		X ON I	1	2.0	
97		2'-0''	1		4'-4''	2.4	0.4
98		2'-6"		Χ	, ,	2.7	0.7
99		3'-0''	36"	**		2.9	
100		3'-6"				3.3	0.5
101		4'-0''		X OR Y	4'-7''	3.5	
102		1'-3"	42"		4' 11''	2.2	0.4
103		2'-0''				2.6	
104		2'-6"		V	4'-11''	2.9	
105		3'-0''		Χ		3.2	0.5
106		3'-6''				3.6	
107		4'-0''			5'-2''	3.8	
108		4'-6''		X OR Y		4.1	
109		1'-3''	48"			2.4	0.4
110		2'-0''			5'-5''	2.8	
111		2'-6''				3.1	
112		3'-0''		Χ		3.4	
113		3'-6"				3.8	0.5
114		4'-0''			5'-8"	4.1	
115		4'-6''		V 05 V	_	4.4	0.0
116		5'-0''		X OR Y		4.6	0.6

REFERENCE CHART

DIA.	D.B.I. 7	CONCRETE							
0F	PIPE ON	PIPE ON	TO DEDUCT FOR EACH PIPE						
PIPE	"X" SIDE OF INLET	"Y" SIDE OF INLET	CUBIC YARDS						
0		1'-3"							
12"			0.1						
15''-18''		2'-0''							
21"		2'-6"							
24"	A! 11!!	2-0							
27''	4'-11''	3'-0''	0.2						
30"-33"		3'-6"	0.2						
36"		4'-0''	0.3						
42"		4'-6''	0.4						
48''		5'-0''	0.5						

~ NOTES ~

- ① BASED ON "Z" AS EQUAL TO D+†+1'-0" WHEN "Y" DIMENSION IS LESS THAN 3'-6".
 BASED ON "Z" AS EQUAL TO D+†+1'-3" WHEN "Y" DIMENSION IS 3'-6" OR GREATER.
- (2) SEE REFERENCE CHART FOR QUANTITIES TO DEDUCT FOR PIPE.
- ③ Q = CU. YD. PER FT. INCREASE OR DECREASE WHEN Z VARIES.
- 4 SEE CUR. STD. DWGS. RDB-013 AND RDB-014 FOR DIMENSIONS.
- 5. SEE CUR. STD. DWGS.RDB-018 AND RDB-019 FOR STEEL REINFORCEMENT IN PIPE CHAMBER AND RISER WHEN H = 8'-0" OR GREATER.
- (6) INLET IS SHOWN ON PLANS AS "DROP BOX INLET TYPE 13". FOLLOWING THIS IS A NUMBER AND A BOX HEIGHT. USE THIS NUMBER WITH THIS CHART.
- 7. SEE CUR. STD. DWG. RDB-016 FOR DIMENSIONS AND ESTIMATE OF QUANTITIES WHEN BOXES ARE LOCATED IN A GRADE CONDITION.

USE WITH CUR. STD. DWGS. RDB-013 RDB-014 RDB-015 RDB-016 RDB-018 RDB-019

KENTUCKY DEPARTMENT OF HIGHWAYS

> DROP BOX INLET TYPE 13

(PIPE CHAMBER-SAG CONDITION)

SUBMITTED DIRECTION OF DESIGN DATE

APPROVED STAFF HIGHWAY FINGINEER 12-01-15

DATE

12-01-15

DATE

12-01-15

DATE

DROP BOX INLET

STANDARD DRAWING NO. RDB-017-03