

DIMENSIONS AND ESTIMATE OF QUANTITIES

SIZE ①		PIPE		Z ①	CONCRETE CU.YDS.		④ REINFORCEMENT														
							BAR a		BAR b		BAR c		BAR d		BAR e		BAR f		LBS.	⑤	
X	Y	SIZE	LOCATION		②	③	QTY.	LIN. FT.	QTY.	LIN. FT.	QTY.	LIN. FT.	QTY.	LIN. FT.	QTY.	LIN. FT.	QTY.	LIN. FT.			
FOR CIRCULAR PIPE																					
4'-0"	4'-0"	30"	X OR Y	5'-3"	3.7	0.5	7	6'-5"	7	6'-4"	36	4'-1"	17	4'-6"	16	4'-4"	0	—	406	74	
		36"		5'-9"	3.9							4'-7"	19		18				444		
4'-3"		42"	X	6'-4"	4.3		8			6'-7"	38	5'-2"	23		20	4'-7"	20	0'-3"	515	78	
4'-10"		48"		6'-10"	4.9					7'-2"	40	5'-8"	27		22	5'-2"		0'-10"	612	81	
5'-5"		54"		7'-5"	5.6	7'-9"	42			6'-3"	31	24	5'-9"		1'-5"	710		84			
6'-0"		60"		7'-11"	6.3	9	8'-3"			44	6'-9"	35	26		6'-3"	2'-0"		813	91		
6'-7"		66"		8'-6"	7.0	10	8'-10"			46	7'-4"	39	28		6'-10"	2'-7"		927	95		
7'-2"		72"		9'-0"	7.8		9'-5"			48	7'-10"	41	30		7'-5"	3'-2"		1025	100		
FOR ELLIPTICAL PIPE																					
4'-0"	4'-0"	24" x 38"	X OR Y	4'-9"	3.5	0.5	7	6'-5"	7	6'-4"	36	3'-7"	15	4'-6"	14	4'-4"	0	—	367	74	
4'-6"		29" x 45"	X	5'-3"	4.0		8			6'-10"	38	4'-1"	21		16	4'-10"	20	0'-7"	464	79	
5'-3"		34" x 53"		5'-8"	4.6					7'-7"	40	4'-6"	25		18	5'-7"		1'-4"	554	84	
5'-11"		38" x 60"		6'-1"	5.2	0.6	9			8'-3"	44	4'-11"	29		20	6'-3"		2'-0"	661	91	
6'-8"		43" x 68"		6'-6"	5.9		10			9'-0"	46	5'-4"	33		22	7'-0"		2'-9"	767	96	
7'-5"		48" x 76"		7'-0"	6.7					11	9'-9"	50	5'-10"		39	24		7'-9"	3'-6"	906	103
8'-1"		53" x 83"		7'-5"	7.4	0.7	12				10'-5"	52	6'-3"		43	26		8'-5"	4'-2"	1013	108
8'-10"		58" x 91"		7'-11"	8.2						11'-2"	56	6'-9"		49	28		9'-2"	4'-11"	1105	115

~ NOTES ~

- ① SEE CUR. STD. DWG. RDM-010 FOR LOCATION OF "X", "Y" AND "Z" DIMENSIONS.
- ② CONCRETE REQUIRED FOR ONE MANHOLE CHAMBER. NO DEDUCTIONS FOR PIPE HAVE BEEN MADE.
- ③ CU. YDS. PER FT. INCREASE IN "Z".
- ④ ALL REINFORCEMENT SHALL BE NO. 5 BARS. 4 - g BARS 1'-9", REQUIRED IN TOP SLAB.
- ⑤ LBS. PER FT. INCREASE IN "Z".

USE WITH CUR. STD. DWGS.
RDM-010 RDM-011 RDM-012

CONCRETE DISPLACED
BY ONE CONCRETE PIPE

SIZE		CONC. CU.YDS.
CIR.	ELLIP.	
30"	24" x 38"	0.2
36"	29" x 45"	0.3
42"	34" x 53"	0.4
48"	38" x 60"	0.5
54"	43" x 68"	0.6
60"	48" x 76"	0.7
66"	—	0.8
—	53" x 83"	0.9
72"	58" x 91"	1.0



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



MANHOLE

TYPE C (TABLE OF QUANTITIES)

STANDARD DRAWING NUMBER
RDM-013-04

DRAINAGE

REVISION DATE: 12/01/2015
REVISION NUMBER: 0

12-01-2015
DATE

SUBMITTED
DIVISION DIRECTOR

APPROVED

12-01-2015
DATE

APPROVED
STATE HIGHWAY ENGINEER