

DIMENSIONS AND ESTIMATE OF QUANTITIES

SIZE ①		PIPE		Z ①	CONCRETE CU. YDS.		④ REINFORCEMENT												LBS.	⑤					
							BAR a		BAR b		BAR c		BAR d		BAR e		BAR f								
X	Y	SIZE	LOCATION	①	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	6'-7"					38	4'-7"	19	18		4'-7"	20		0'-3"	515	78					
4'-3"		42"	6'-4"	4.3	7'-2"					40	5'-8"	27	22		5'-2"	24		0'-10"	612	81					
4'-10"		X	48"	X	6'-10"	4.9	0.6	8	7	7'-9"	42	6'-3"	31	20	24	5'-9"	26	6'-3"	28	6'-10"	30	7'-5"	3'-2"	1025	100
5'-5"			54"		7'-5"	5.6				8'-3"	44	6'-9"	35		28	6'-10"	30	7'-5"	3'-2"	1025	100				
6'-0"			60"		7'-11"	6.3	8'-10"	46	7'-4"	39	28	6'-10"	30	7'-5"	3'-2"	1025	100								
6'-7"			66"		8'-6"	7.0	9'-0"	7.8	10	9'-5"	48	7'-10"	41	30	7'-5"	3'-2"	1025	100							
7'-2"			72"		9'-0"	7.8																			
FOR ELLIPTICAL PIPE																									
4'-0"	4'-0"		24"x38"		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"x45"		5'-3"	4.0	6'-10"					38	4'-1"	21	16		4'-10"	20		0'-7"	464	79			
5'-3"		34"x53"	5'-8"	4.6	7'-7"	40	4'-6"					25	18	5'-7"	22		1'-4"	554		84					
5'-11"		X	38"x60"	X	6'-1"	5.2	0.6	9	7	8'-3"	44	4'-11"	29	20	20	6'-3"	22	7'-0"	24	7'-9"	26	8'-5"	4'-2"	1013	108
6'-8"			43"x68"		6'-6"	5.9				9'-0"	46	5'-4"	33		22	7'-0"	24	7'-9"	26	8'-5"	4'-2"	1013	108		
7'-5"			48"x76"		7'-0"	6.7	9'-9"	50	5'-10"	39	24	7'-9"	26	8'-5"	4'-2"	1013	108								
8'-1"			53"x83"		7'-5"	7.4	10'-5"	52	6'-3"	43	26	8'-5"	28	9'-2"	4'-11"	1105	115								
8'-10"			58"x91"		7'-11"	8.2	11'-2"	56	6'-9"	49	28	9'-2"													

NOTES

- ① SEE CURRENT 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 FOOT INCREASE IN "Z".
- ④ ALL REINFORCEMENT SHALL BE NO. 5 BARS. 4 - g BARS 1'-9", REQUIRED IN TOP SLAB.
- ⑤ LBS. PER FOOT INCREASE IN "Z".

CONCRETE DISPLACED BY ONE CONCRETE PIPE

SIZE		CONC. CU. YD.
CIR.	ELLIP.	
30"	24"x38"	0.2
36"	29"x45"	0.3
42"	34"x53"	0.4
48"	38"x60"	0.5
54"	43"x68"	0.6
60"	48"x76"	0.7
66"	—	0.8
—	53"x83"	0.9
72"	58"x91"	1.0

USE WITH CUR. STD. DWG.
RDM-010, RDM-011 AND RDM-012

KENTUCKY DEPARTMENT OF HIGHWAYS	
MANHOLE TYPE C (TABLE OF QUANTITIES)	
STANDARD DRAWING NO. RDM-013-03	
SUBMITTED <i>John B. Sackett</i>	12-1-99 DATE
DIRECTOR, DIVISION OF DESIGN	
APPROVED <i>J. M. Howell</i>	12-1-99 DATE
STATE HIGHWAY ENGINEER	