

OPENING		DIMENSIONS							QUANTITIES	
D	AREA	A	B	C	E	H	L	C	CONC CY	STEEL LBS
INCHES	SQ FT									
14 X 23	1.81	9"	6"	6"	1'-9"	2'-2"	5'-10"	6"	1.30	75
19 X 30	3.32	9"	14"	6"	2'-5"	3'-2"	8'-6"	6"	2.60	118
22 X 34	5.10	9"	14"	6"	2'-5"	3'-2"	8'-6"	6"	2.57	118
27 X 42	7.42	9"	16"	10"	3'-2"	3'-6"	11'-3"	6"	5.50	265
32 X 49	8.86	12"	16"	10"	3'-2"	3'-11"	11'-3"	8"	5.80	271
34 X 53	10.23	12"	16"	10"	3'-2"	3'-11"	11'-3"	8"	5.65	261
38 X 60	12.92	12"	20"	12"	3'-2"	4'-3"	13'-9"	8"	8.12	366


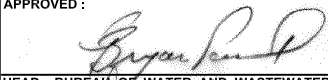
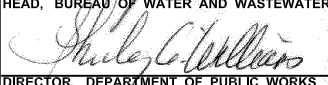
NOTE: QUANTITIES IN TABLE TO BE USED FOR ESTIMATING ONLY

## HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE

OPENING		DIMENSIONS							QUANTITIES	
D	AREA	A	B	C	E	H	L	S	CONC CY	STEEL LBS
INCHES	SQ FT									
12	0.79	9"	6"	6"	1'-9"	1'-9"	3'-6"	4"	0.76	55
15	1.23	9"	6"	6"	1'-9"	2'-0"	4'-3"	4"	0.99	61
18	1.77	9"	6"	6"	1'-9"	2'-3"	5'-0"	4"	1.17	68
21	2.40	9"	6"	6"	1'-9"	2'-6"	5'-9"	4"	1.38	77
24	3.14	9"	14"	6"	2'-5"	2'-9"	6'-6"	4"	1.84	106
27	3.98	9"	14"	6"	2'-5"	3'-0"	7'-3"	6"	2.11	115
30	4.91	9"	14"	6"	2'-5"	3'-6"	8'-0"	6"	2.57	140
33	5.94	9"	14"	6"	2'-5"	3'-9"	8'-9"	6"	2.92	148
36	7.07	12"	16"	10"	3'-2"	4'-0"	9'-6"	6"	4.99	235
42	9.62	12"	16"	10"	3'-2"	4'-6"	11'-0"	8"	6.12	303
48	12.57	12"	16"	10"	3'-2"	5'-0"	12'-6"	8"	7.34	341
54	15.90	12"	20"	12"	3'-8"	5'-6"	14'-0"	8"	9.17	438
60	19.64	12"	20"	12"	3'-8"	6'-0"	15'-6"	8"	10.86	496
72	28.27	12"	20"	12"	3'-8"	7'-0"	17'-0"	8"	12.69	597

NOTE: QUANTITIES IN TABLE TO BE USED FOR ESTIMATING ONLY

## CIRCULAR REINFORCED CONCRETE PIPE

	APPROVED :  HEAD, BUREAU OF WATER AND WASTEWATER	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS BUREAU OF WATER AND WASTEWATER	ISSUED	REVISED	REVISED
	 DIRECTOR, DEPARTMENT OF PUBLIC WORKS		3 / 2008		
TYPE 'E' ENDWALL CIRCULAR AND ELLIPTICAL PIPE TABLES			<b>STANDARD NO.</b> <b>BC 356.02</b>		
			SCALE : NONE		SHEET 2 OF 2