

ROUND CONCRETE AND CORRUGATED METAL PIPE										Dimensions					
D	Opening Area (SF)				Dimensions						X				
	Number of Pipes				A	B	C	E	F	G	S	0°	15°	30°	45°
	1	2	3	4											
15'	1.23	2.46	3.69	4.92	1'-11"	1'-2"	4'-0"	1'-10"	1'-2"	0'-6"	2'-7"	2'-7"	2'-8"	3'-0"	3'-8"
18'	1.77	3.54	5.31	7.08	2'-2"	1'-3"	4'-6"	1'-11"	1'-3"	1'-0"	2'-10"	2'-10"	2'-11"	3'-3"	4'-0"
24'	3.14	6.28	9.42	12.56	2'-8"	1'-4"	5'-6"	2'-0"	1'-4"	2'-0"	3'-5"	3'-5"	3'-6"	3'-11"	4'-10"
30'	4.91	9.82	14.73	19.64	3'-2"	1'-6"	6'-6"	2'-2"	1'-6"	3'-0"	4'-3"	4'-3"	4'-5"	4'-11"	6'-0"
36'	7.07	14.14	21.21	28.28	3'-8"	1'-8"	7'-6"	2'-4"	1'-8"	4'-0"	5'-1"	5'-1"	5'-3"	5'-10"	7'-2"
42'	9.62	19.24	28.86	38.48	4'-2"	1'-10"	8'-6"	2'-6"	2'-0"	5'-0"	6'-0"	6'-0"	6'-3"	6'-11"	8'-6"
48'	12.57	25.14	37.71	50.28	4'-8"	2'-1"	9'-6"	2'-9"	2'-0"	6'-0"	6'-9"	6'-9"	7'-0"	7'-10"	9'-7"
54'	15.90	31.80	47.70	63.60	5'-2"	2'-6"	10'-6"	3'-2"	2'-3"	7'-0"	7'-8"	7'-8"	7'-11"	8'-10"	10'-10"

D	Concrete (CY)									
	Number And Type Of Pipe And Skew Angle Of Pipe									
	Single		Double							
	Conc.	Metal	Conc.				Metal			
	0°	0°	0°	15°	30°	45°	0°	15°	30°	45°
15'	1.23	1.24	1.59	1.60	1.65	1.74	1.62	1.63	1.68	1.78
18'	1.56	1.59	1.99	2.01	2.06	2.17	2.04	2.06	2.11	2.23
24'	2.24	2.29	2.82	2.84	2.91	3.06	2.91	2.93	3.01	3.17
30'	3.26	3.34	4.13	4.16	4.26	4.49	4.28	4.31	4.43	4.67
36'	4.53	4.64	5.73	5.77	5.92	6.23	5.95	6.00	6.15	6.49
42'	6.33	6.49	8.11	8.17	8.39	8.85	8.43	8.50	8.73	9.23
48'	8.15	8.38	10.40	10.48	10.75	11.33	12.64	12.80	13.34	14.50
54'	11.71	11.77	15.23	15.35	15.78	16.69				

D	Concrete (CY)							
	Number And Type Of Pipe And Skew Angle Of Pipe							
	Triple							
	Conc.				Metal			
	0°	15°	30°	45°	0°	15°	30°	45°
15'	1.94	1.96	2.05	2.23	1.99	2.02	2.11	2.30
18'	2.43	2.46	2.56	2.79	2.51	2.54	2.65	2.89
24'	3.39	3.43	3.57	3.87	3.52	3.56	3.71	4.03
30'	4.98	5.04	5.25	5.69	5.20	5.27	5.49	5.97
36'	6.92	7.00	7.29	7.91	7.25	7.34	7.65	8.33
42'	9.90	10.02	10.45	11.38	10.38	10.52	10.98	11.99
48'	12.64	12.80	13.34	14.50	13.34	13.51	14.11	15.39
54'	18.77	19.02	19.86	21.69				

D	Concrete (CY)							
	Number And Type Of Pipe And Skew Angle Of Pipe							
	Quadruple							
	Conc.				Metal			
	0°	15°	30°	45°	0°	15°	30°	45°
15'	2.30	2.34	2.47	2.74	2.37	2.41	2.75	2.84
18'	2.86	2.91	3.06	3.40	2.96	3.01	3.17	3.53
24'	3.97	4.03	4.24	4.69	4.14	4.20	4.43	4.91
30'	5.84	5.93	6.24	6.91	6.13	6.23	6.56	7.29
36'	8.13	8.26	8.69	9.62	8.57	8.71	9.18	10.20
42'	11.68	11.87	12.51	13.89	12.32	12.52	13.22	14.73
48'	14.89	15.13	15.93	17.68	15.82	16.08	16.97	18.90
54'	22.29	22.66	23.93	26.67				

STRAIGHT CONCRETE
ENDWALLS SINGLE AND
MULTIPLE PIPE

*CITY OF
JACKSONVILLE
STANDARD*

N.T.S.

PLATE D-403

DATE DRAWN 07/14/79

REVISED DATE 5-12-94