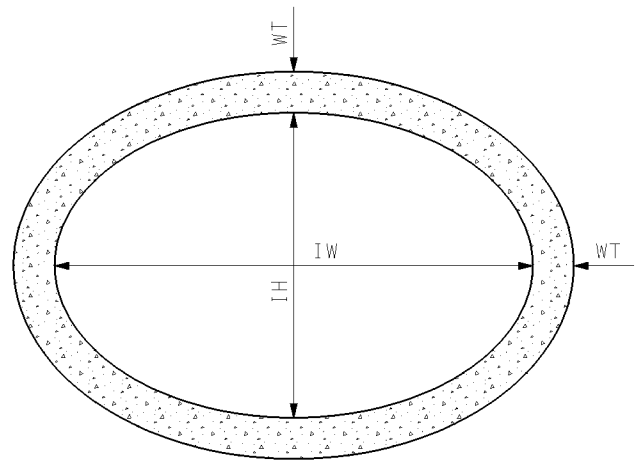
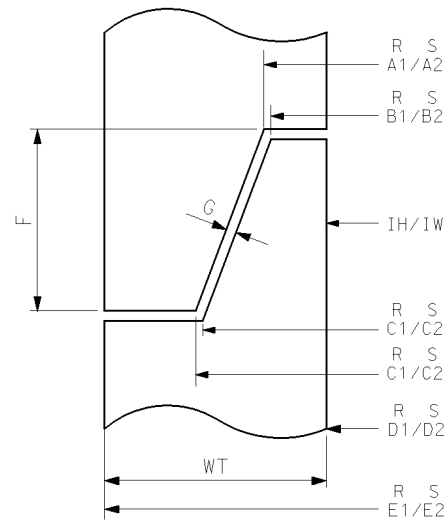


REINFORCED CONCRETE ELLIPTICAL PIPE



CROSS SECTION



JOINT DETAIL

REINFORCED ELLIPTICAL PIPE								
SIZE	23"x14"	30"x19"	38"x24"	45"x29"	53"x34"	60"x38"	68"x43"	76"x48"
EQUIV. ROUND	18"	24"	30"	36"	42"	48"	54"	60"
SIZE (mm)	580x360	770x490	960x600	1150x730	1355x865	1520x970	1720x1050	1920x1225
WEIGHT/FT	240	350	440	680	880	1080	1330	1600
WATERWAY AREA Sq. Ft.	1.8	3.3	5.1	7.4	10.2	12.9	16.6	20.5
WALL THICKNESS	2.75	3.25	3.75	4.5	5.0	5.5	6.0	6.5

**GENERAL NOTES:**

1. PIPE IS MANUFACTURED IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS WITH REINFORCING STEEL AS REQUIRED BY ASTM C-507 (LATEST REVISION): "STANDARD SPECIFICATION FOR REINFORCED CONCRETE ELLIPTICAL CULVERT, STORM DRAIN, AND SEWER PIPE".

2. SEE PI-005 (2 OF 2) FOR MORE DIMENSIONS.

(1 OF 2)

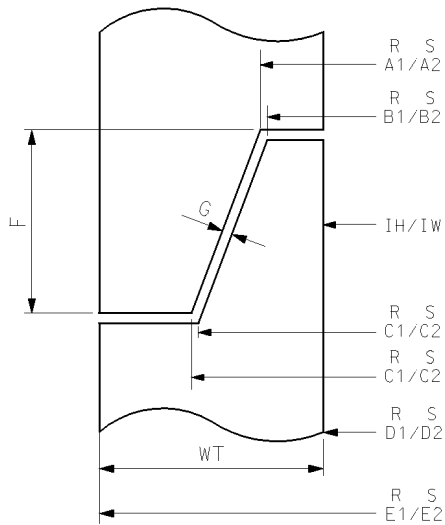
★  
**SHERMANDIX**  
NASHVILLE, TN-KNOXVILLE, TN- ELIZABETHTOWN, KY-DAYTON, OH  
FRANKLIN, TN-CHATTANOOGA, TN- LEXINGTON, KY-CULLMAN, AL

PH* 1-800-737-0707	DWG. NO. PI-004
DATE:05/05/05	SHEET* 1 OF 1

ELLIPTICAL PIPE DETAIL (LOW HEAD)

SCALE: NTS

REINFORCED ELLIPTICAL PIPE								
SIZE	23"x14"	30"x19"	38"x24"	45"x29"	53"x34"	60"x38"	68"x43"	76"x48"
EQUIV. ROUND	18"	24"	30"	36"	42"	48"	54"	60"
SIZE (mm)	580x360	770x490	960x600	1150x730	1355x865	1520x970	1720x1050	1920x1225
WEIGHT/FT	240	350	440	680	880	1080	1330	1600
WATERWAY AREA Sq. Ft.	1.8	3.3	5.1	7.4	10.2	12.9	16.6	20.5
DIMENSIONS								
A-1 (RISE)	16.563	21.688	26.750	32.281	37.781	42.656	47.156	53.406
A-2 (SPAN)	25.125	32.625	40.625	48.938	57.000	64.313	72.625	80.750
B-1 (RISE)	16.063	21.188	26.250	31.781	37.281	42.156	47.656	52.906
B-2 (SPAN)	24.625	32.125	40.125	48.438	56.500	63.813	72.125	80.250
IH	14.313	19.188	24.000	28.781	34.031	38.281	43.406	48.156
IW	22.875	30.125	37.875	45.438	53.250	59.938	67.875	75.500
C-1 (RISE)	17.063	21.188	27.500	33.281	39.031	44.031	49.656	54.906
C-2 (SPAN)	25.625	33.125	41.380	49.938	58.250	65.688	74.125	82.250
D-1 (RISE)	17.563	22.688	28.000	33.781	39.531	44.531	50.156	55.406
D-2 (SPAN)	26.125	33.625	41.875	50.438	58.750	66.188	74.625	82.750
E-1 (RISE)	19.813	25.688	31.500	37.781	44.031	49.281	55.406	61.156
E-2 (SPAN)	28.375	36.625	45.375	54.438	63.250	70.938	79.875	88.500
WT	2.750	3.250	3.750	4.500	5.000	5.500	6.000	6.500
F	2.000	2.000	2.500	3.000	3.500	3.750	4.000	4.000
G	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250



JOINT DETAIL

(2 OF 2)

**★**  
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FRANKLIN, TN-CHATTANOOGA, TN- LEXINGTON, KY-CULLMAN, AL

PH* 1-800-737-0707	DWG. NO. PI-005
DATE:05/05/05	SHEET* 1 OF 1

ELLIPTICAL PIPE DETAIL (LOW HEAD)

SCALE: NTS