



**NOTE:**

- Variations in design and dimensions are permitted to allow for manufacturer's standards.
- Fabricate the outlet end section with a groove end and the inlet end section with a tongue end.
- Warp embankment slopes to match the slope of the flared end section.

PIPE SIZE DIAMETER INCHES	DIMENSIONS INCHES									
	T	A	B	C	L	W	F	R1	R2	R3
12	2	4	24	48 <sup>7</sup> / <sub>8</sub>	72 <sup>7</sup> / <sub>8</sub>	24	13	10 <sup>1</sup> / <sub>8</sub>	9	4
15	2 <sup>1</sup> / <sub>4</sub>	6	27		73	30	16	12 <sup>1</sup> / <sub>2</sub>	11	6
18	2 <sup>1</sup> / <sub>2</sub>	9	27		73	36	19	15 <sup>1</sup> / <sub>2</sub>	12	7 <sup>1</sup> / <sub>2</sub>
21	2 <sup>3</sup> / <sub>4</sub>	9	36		73	42	22	16 <sup>1</sup> / <sub>2</sub>	13	5
24	3	9 <sup>1</sup> / <sub>2</sub>	43 <sup>1</sup> / <sub>2</sub>		73 <sup>1</sup> / <sub>2</sub>	48	25	16 <sup>3</sup> / <sub>4</sub>	14	8
27	3 <sup>1</sup> / <sub>4</sub>	10 <sup>1</sup> / <sub>2</sub>	48	25 <sup>1</sup> / <sub>2</sub>	73 <sup>1</sup> / <sub>2</sub>	54	28	--	14 <sup>1</sup> / <sub>2</sub>	9
30	3 <sup>1</sup> / <sub>2</sub>	12	54	19 <sup>3</sup> / <sub>4</sub>	73 <sup>3</sup> / <sub>4</sub>	60	31	18 <sup>1</sup> / <sub>2</sub>	15	8
33	3 <sup>3</sup> / <sub>4</sub>	13 <sup>1</sup> / <sub>2</sub> "	59 <sup>1</sup> / <sub>2</sub>	37 <sup>1</sup> / <sub>2</sub>	96	66	34	23 <sup>3</sup> / <sub>4</sub>	17 <sup>1</sup> / <sub>2</sub>	9
36	4	15	63		96	72	37	23 <sup>3</sup> / <sub>4</sub>	20	11
42	4 <sup>1</sup> / <sub>2</sub>	21	63		96	78	43	--	22	11
48	5	24	72		96	84	49	--	22	12

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
U.S. CUSTOMARY STANDARD	
<b>CONCRETE END SECTION FOR ROUND PIPE</b>	
STANDARD APPROVED FOR USE 12/1993 REVISED: 4/1994 6/2005	STANDARD 602-8