

INTERNAL DIAMETER OF PIPE IN INCHES	CROSS SECTION WATER AREA	LENGHT OF JOINT		NOMINAL - A	D1	D2	D3	D4
		J						
D	SQ. FT.	INCHES						
12	0.79	1-3/4	3/16	13-1/4	13-5/8	13-7/8	14-1/4	
15	1.23	2	3/16	16-1/2	16-7/8	17-1/4	17-5/8	
18	1.77	2-1/4	3/16	19-5/8	20	20-3/8	20-3/4	
21	2.40	2-1/2	3/16	22-7/8	23-1/4	23-3/4	24-1/8	
24	3.14	2-3/4	3/16	26	26-3/8	27	27-3/8	
27	3.98	3	3/16	29-1/4	29-5/8	30-1/4	30-5/8	
30	4.91	3-1/4	3/16	32-3/8	32-3/4	33-1/2	33-7/8	
33	5.94	3-1/2	1/4	35-1/2	36	36-3/4	37-1/4	
36	7.07	3-3/4	1/4	38-3/4	39-1/4	40	40-1/2	
42	9.62	4	1/4	45-1/8	45-5/8	46-1/2	47	
48	12.57	4-1/4	1/4	51-1/2	52	53	53-1/2	
54	15.90	4-1/2	1/4	57-7/8	58-3/8	59-3/8	59-7/8	
60	19.63	5	1/4	64-1/4	64-3/4	66	66-1/2	
66	23.76	5-1/2	1/4	70-5/8	71-1/8	72-1/2	73	
72	28.27	6	1/4	77	77-1/2	79	79-1/2	
78	33.18	6-1/2	1/4	83-3/8	83-7/8	85-5/8	86-1/8	
84	38.48	7	1/4	89-3/4	90-1/4	92-1/8	92-5/8	
90	44.18	7	1/4	95-3/4	96-1/4	98-1/8	98-5/8	
96	50.27	7	1/4	102-1/8	102-5/8	104-1/2	105	
102	56.75	7-1/2	1/4	109	109-1/2	111-1/2	112	
108	63.62	7-1/2	1/4	115-1/2	116	118	118-1/2	

TOLERANCES IN DIMENSIONS:

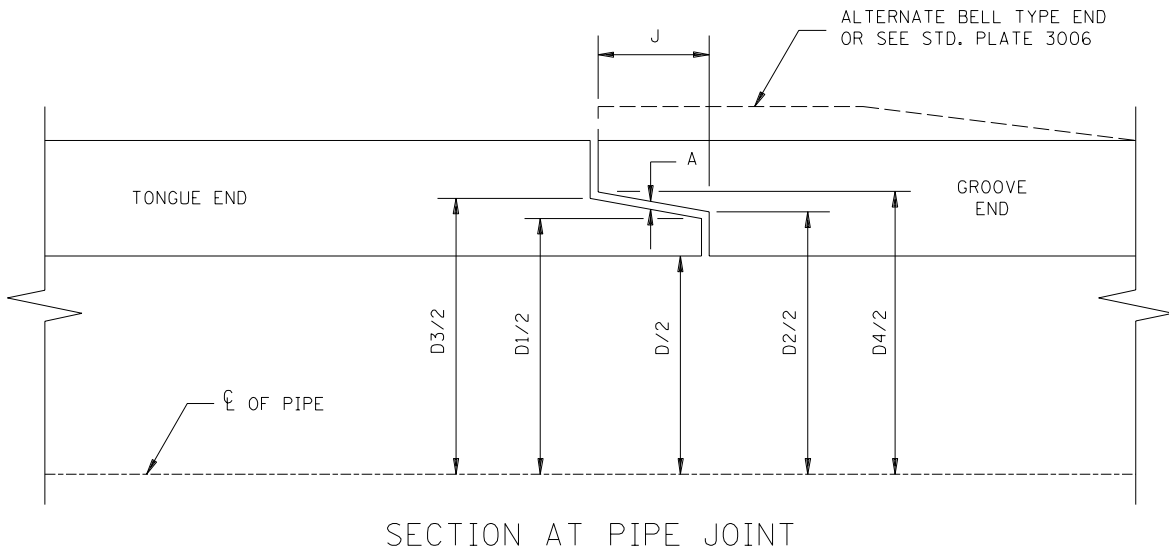
D: ± 1.5% FOR 12" TO 24" D, ± 1% OR 3/8" WHICHEVER IS GREATER FOR 27" TO 108" D.

D1, D2, D3, AND D4: ± 3/16" FOR 12" TO 30" D, ± 1/4" FOR 33" TO 108" D.

T: NOT LESS THAN THE DESIGN T BY MORE THAN 5% OR 3/16" WHICHEVER IS GREATER.

J: ALL SIZES ± 1/4".

LAYING LENGTH: SHALL NOT UNDERRUN BY MORE THAN 1/2".



APPROVED Aug. 31, 1989
R.H. Sullivan
 Director
 Materials, Research and Standards

STATE OF MINNESOTA
 DEPARTMENT OF TRANSPORTATION

REINFORCED CONCRETE PIPE
 JOINT DIMENSIONS FOR B-WALL AND C-WALL

SPECIFICATION
 REFERENCE
 2501
 2502
 2503

STANDARD
 PLATE
 NO.
 3000L
 3 OF 5