

**CIRCULAR CONCRETE PIPE  
NARROW AND WIDE TRENCH WIDTHS IN FEET  
FOR CLASS B BEDDING, MEASURED AT TOP OF PIPE IN FEET**

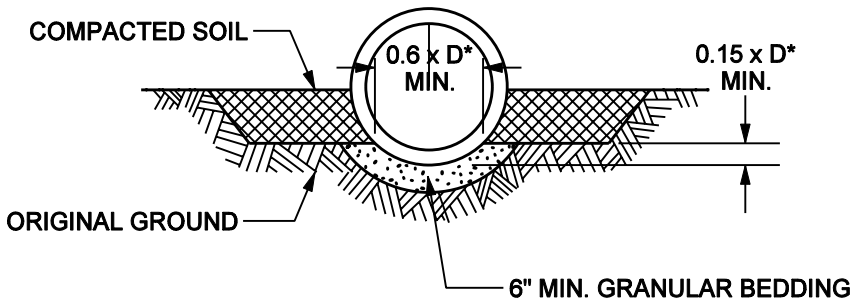
PIPE CLASS PIPE DIA. (in.)	CLASS II		CLASS III		CLASS IV		CLASS V	
	N	W	N	W	N	W	N	W
12	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0
15	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5
18	4.0	4.0	4.0	4.0	4.0	4.5	4.0	5.0
21	4.5	4.5	4.5	4.5	4.5	5.0	4.5	5.5
24	4.5	5.0	4.5	5.0	4.5	5.5	4.5	6.0
27	5.0	5.0	5.0	5.5	5.0	6.0	5.0	6.5
30	5.5	5.5	5.5	6.0	5.5	6.5	5.5	7.0
33	5.5	6.0	5.5	6.5	5.5	7.0	5.5	7.5
36	6.5	6.5	6.5	7.0	6.5	7.5	6.5	8.0
42	7.0	7.5	7.0	7.5	7.0	8.5	7.0	9.0
48	7.5	8.0	7.5	8.5	7.5	9.0	7.5	10.0
54	8.5	9.0	8.5	9.5	8.5	10.0	8.5	11.0
60	9.0	9.5	9.0	10.0	9.0	11.0	9.0	12.0
66	9.5	10.0	9.5	11.0	9.5	12.0	9.5	12.5
72	10.0	11.0	10.0	11.5	10.0	13.0	10.0	13.5
78	10.5	11.5	10.5	12.0	10.5	13.5	10.5	14.5
84	11.0	12.0	11.0	13.0	11.0	14.5	11.0	15.5
90	12.0	12.5	12.0	13.5	12.0	15.0	12.0	16.5
96	12.5	13.0	12.5	14.0	12.5	16.0	12.5	17.0
102	13.0	13.5	13.0	15.0	13.0	17.0	13.0	18.0
108	13.5	14.5	13.5	15.5	13.5	17.5	13.5	19.0

N = NARROW TRENCH: MINIMUM WIDTH  
W = WIDE TRENCH: TRANSITION WIDTH

**CLASS B BEDDING DETAIL  
D\* = OUTSIDE PIPE DIAMETER**

NOTE: ROCK AND UNYIELDING FOUNDATIONS  
REQUIRE A MIN. EARTH CUSHION OF 12" TO  
BED THE PIPE.

PIPE DIA	B
36" OR LESS	D + 24"
42" TO 54"	1.5 x D
60" OR OVER	D + 36"
B = MIN. TRENCH WIDTH SEE PLATE SEWR 6002	



MINNEAPOLIS DESIGN REFERENCE  
MNDOT DRAINAGE MANUAL  
SECTION 2.5; AUGUST 30, 2000  
NOT TO SCALE

	<b>MINNEAPOLIS</b> DEPARTMENT OF PUBLIC WORKS		<b>TRENCH WIDTH FOR CONCRETE PIPE CLASS B BEDDING</b>	<b>STANDARD PLATE NO. SEWR-6005</b>
	DRAWN: DCD	DATE: 12/02		
	APPROVED: HRS	DATE: 1/07		