

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

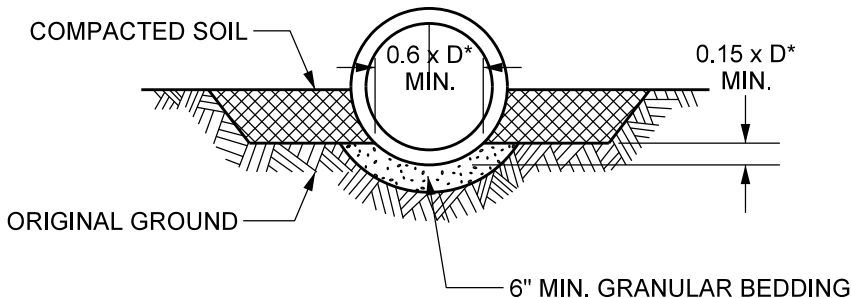
PIPE CLASS PIPE DIA. (in.)	CLASS II		CLASS III		CLASS IV		CLASS V	
	N	W	N	W	N	W	N	W
12	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0
15	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5
18	4.0	4.0	4.0	4.0	4.0	4.5	4.0	5.0
21	4.5	4.5	4.5	4.5	4.5	5.0	4.5	5.5
24	4.5	5.0	4.5	5.0	4.5	5.5	4.5	6.0
27	5.0	5.0	5.0	5.5	5.0	6.0	5.0	6.5
30	5.5	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



DRW: DCD

DATE: 12/02

APP: HRS

DATE: 1/07

TRENCH WIDTH FOR
CONCRETE PIPE CLASS B BEDDING

STANDARD
PLATE
NO.
SEWR-6005