BEDDING

- 1. V.C.P. (EXTRA-STRENGTH)
 - A. THE FOLLOWING MAY BE USED <u>AS A GUIDE ONLY</u> IN DETERMINING THE REQUIRED CLASS OF BEDDING BASED UPON MAXIMUM DEPTH TO SEWER PIPE <u>INVERT.</u> FOR OTHER CONDITIONS OF TRENCH WIDTH, OR FOR A WIDE TRENCH CONDITION, INDEPENDENT ANALYSIS MUST BE MADE.

PIPE DIAMETER	TRENCH MAXIMUM	MAXIMUM DEPTH, (FEET) CLASS OF BEDDING (1) (2)			
(in.)	WIDTH (in.)	<u>A-1</u> (1)	<u>B-2</u>	<u>B-1</u>	_ <u>C</u> _
8	32	30+	30+	20.0	12.0
10	34	30+	30+	19.0	12.0
12	38	30+	21.5	16.0	11.0
15	42	30+	23.0	17.0	12.0
18	46	30+	24.0	18.0	12.5
21	50	30+	25.0	19.0	13.5
24	54	30+	26.0	20.0	14.5
27	56	30+	27.5	21.5	15.0

- (1) REFER TO STD. DWG. NO. 2104
- (2) ASSUMPTIONS
 - A. ORDINARY CLAY BACKFILL @ 120 lbs/cf
 - B. F.S. = 1.5
 - C. LOAD FACTORS

CLASS
$$A-1 = 2.8$$

 $B-2 = 2.2$
 $B-1 = 1.9$
 $C = 1.5$

ENGINEER SHALL BE REQUIRED TO PROVIDE STRUCTURAL LOADING CALCULATIONS FOR PIPELINE INSTALLATIONS DEEPER THAN 30 FEET.



APPROVED BY:

JOHN P. SULLIVAN CITY ENGINEER

PECOMMENDED:

S7875 08/14/06

ASST. UTIL. DIRECTOR/ENG.

REV DESCRIPTION

BY APP'D DATE

CITY OF ONTARIO

BEDDING DETAILS (B)

STANDARD DRAWING NUMBER

2105