

DIAGRAM SHOWING LENGTHS OF
2½-IN. PIPE
UNDER STRAIN FOR VARIOUS EXPANSIONS.
Secondary Expansion (s) = Zero
Maximum Fiber Stress = 12 000 lb. per sq. in.

Expansion (r), in Inches.

12

10

8

6

4

2

10

20

30

40

Length of 2½" Pipe under Strain (l_1), in Feet.

$l_2 = \infty$

$l_2 = 8l_1$

$l_2 = 4l_1$

$l_2 = 2l_1$

$l_2 = l_1$

$l_2 = \frac{1}{2}l_1$

$l_2 = \frac{1}{4}l_1$

$l_2 = 0$

