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MINIMUM PITCH FOR DRAIN TILE

In order for a drain tile to work efficiently it must have a sufficient pitch towards the outlet end. The minimum percentage grade for tile lines is given in the following formula:

$$\frac{100}{5 \times \text{tile diameter inches plus } 50}$$

= minimum percent grade.

EXAMPLE

The minimum percent grade for a 4" tile is: —

$$\frac{100}{5 \times 4 \text{ plus } 50} = 1.43\%$$

i.e. the trench must be graded to have a pitch of 1.43 feet per 100 lineal feet toward the outlet. Where this pitch is not available it will be often necessary to use a larger size of tile, for the larger the tile the lesser pitch is needed.

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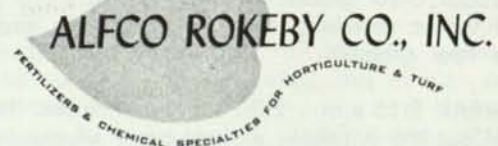
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