

IRON STRONG

DUCTILE IRON PIPE LAYING **CONDITIONS**



TYPE 1* Flat-bottom trench.⁺ Loose backfill.

Pipe bedded in sand, gravel, or

Backfill compacted to top of

crushed stone to depth of 1/8 pipe

diameter, 4 in. (100 mm) minimum.

pipe. (Approximately 80 percent

Standard Proctor, AASHTO T-99.)



TYPE 2 Flat-bottom trench.⁺ Backfill lightly consolidated to centerline of pipe.



TYPE 5

Pipe bedded in compacted granular material to centerline of pipe. Compacted granular or select material++ to top of pipe. (Approximately 90 percent Standard Proctor, AASHTO T-99.)



TYPE 3 Pipe bedded in 4 in. (100 mm) minimum of loose soil.++ Backfill lightly consolidated to top of pipe.

- * For 14 in. (355-mm) and larger pipe, consideration should be given to the use of laying conditions other than Type 1.
- "Flat-bottom" is defined as undisturbed earth.
- ++ "Loose soil" or "select material" is defined as native soil excavated from the trench, free of rocks, foreign materials, and frozen earth.

NOTES:

TYPE 4

Consideration of the pipe-zone embedment conditions included in this figure may be influenced by factors other than pipe strength. For additional information on pipe bedding and backfill, see ANSI/AWWA C600. American Association of State Highway and Transportation Officials, 444 N. Capitol St. N.W., Suite 225, Washington, DC 20001.



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