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Hancor Design Aids Section

- ▶ Products
- ▶ Markets
- ▶ Design Aids
- ▶ Ducks Unlimited
- ▶ Ordering
- ▶ About Hancor
- ▶ Contact Us
- ▶ Monthly Drawing
- ▶ Featured Products
- ▶ Case Studies
- ▶ Installation Video
- ▶ Co-op Advertising
- ▶ Hot News

6-4 BACKFILL ENVELOPE CONSTRUCTION



Compaction

The level of compaction will vary depending on the material and installation requirements. Crushed stone or similar materials are usually not compacted, but do require care during installation to eliminate large voids in the backfill envelope. Using a shovel to 'slice' the material under and around the pipe is many times sufficient.

For other materials, compaction methods will depend primarily on the amount of compaction, or modulus of soil reaction, required and the moisture level of the material. At optimum moisture levels, some Class II and III soils can be compacted to minimum recommended levels simply by walking on each backfill lift. While this technique may not be acceptable for all installations, the point is that compaction need not always require a great deal of extra effort or mechanical equipment. If, however, mechanical compaction equipment is needed in the backfill envelope or elsewhere on the site, the subsequent paragraphs provide guidance on compaction equipment and the soils for which they are most appropriate.



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BLUE SEAL	Sure-Lok	LandMax	Hi-Q	EnviroChamber	TerraFiber
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