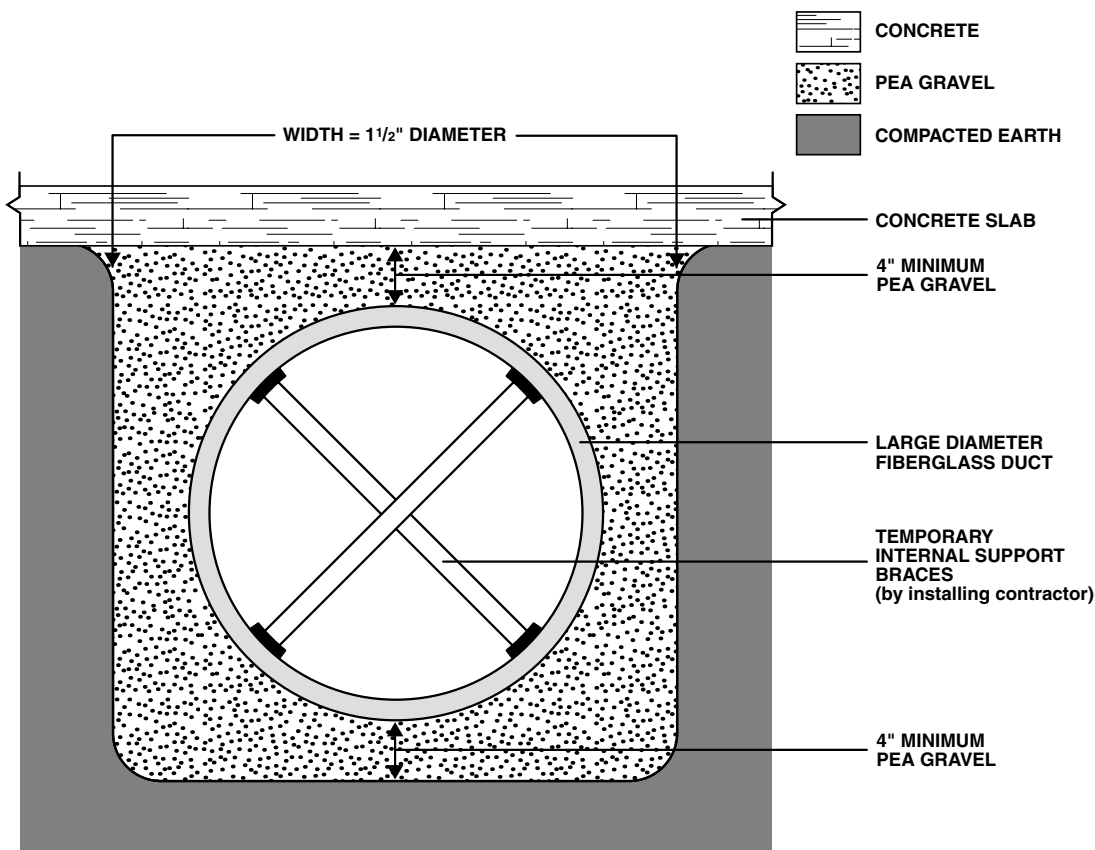




UNDERGROUND INSTALLATION FOR 38" DIAMETER AND LARGER DUCTS



RECOMMENDED INSTALLATION

1. Installation shall be in accordance with manufacturers instructions.
2. For duct 38" or larger, the contractor shall provide movable internal support braces (see above) which can be relocated as backfilling is continued. Support to be set at approximately 5'-0" intervals. At completion of backfill, supports are removed and discarded.
3. Compaction to 80-90% is required. Water settling shall be avoided. Pea gravel dumped from a wheel barrel is about 85% compacted. With tamping or rodding, pea gravel backfill compaction should approach 90%. All debris and particles larger than 1/2" should be removed from the trench.
4. Where heavy floor loads are anticipated, the floor slab should be either structurally reinforced over the slab duct area or, as an alternate method, a crown of concrete could be poured over the duct in lieu of the indicated select backfill. In either case, selection of the proper method should be determined by the structural engineer.

Note: No mechanical equipment is to be allowed on the duct.