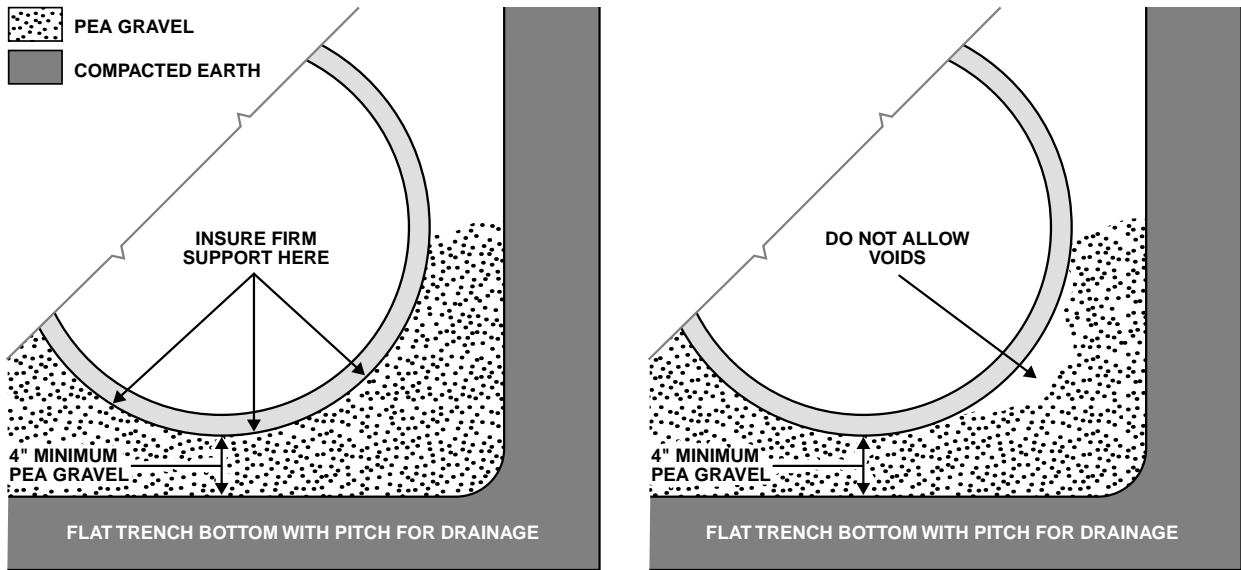




### UNDERGROUND INSTALLATION FOR 36" DIAMETER AND SMALLER DUCTS



#### PREPARING THE TRENCH

The trench should be graded with a slight pitch to facilitate drainage with the bedding as uniform and continuous as possible. The primary factor for bedding and backfilling is correct compaction of the properly selected bedding materials. For fiberglass reinforced plastic duct, pea gravel or clean, dry sand (no fines) are the recommended bedding materials compacted per Table 1 below.

**TABLE 1 BEDDING MATERIALS FOR BURIAL OF FRP DUCT**

Type	Typical Names	Unified Soils Classification System	Degree of Compaction
1	Pea Gravel	GW, GP	80 – 90%

In poor soil conditions, a permeable synthetic support fabric should be utilized as a trench liner to prevent migration of the gravel into native soil. The next two layers (12" cover over pipe), in lifts of 6", may be the excavated material, provided there is no organic material, frozen lumps, debris, or particles larger than 1/2". Each layer is to be compacted to the required density.

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