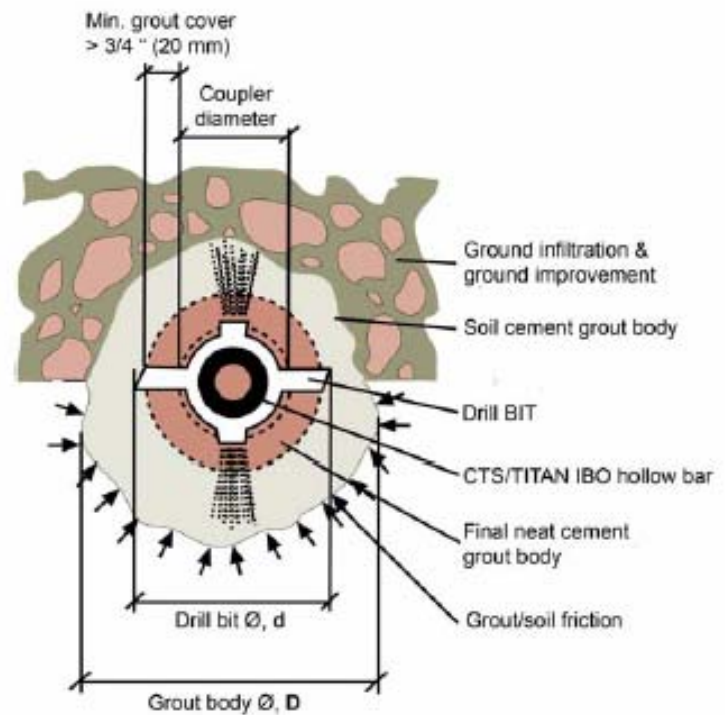


Cross section of exhumed CTS/TITAN IBO® micropile



**Grout Body Diameter, D, In different Soils**

- $D \geq 2.0 \times d$  for medium & coarse gravel
- $1.5 \times d$  for sand & gravelly sand
- $1.4 \times d$  for cohesive soil (clay, marl)
- $1.0 \times d$  for weathered rock

d: Drill bit diameter

**Please Note:**

The above illustration is based on actual tests and experiences using the CTS/TITAN IBO® system installed with appropriate drilling and grouting equipment.