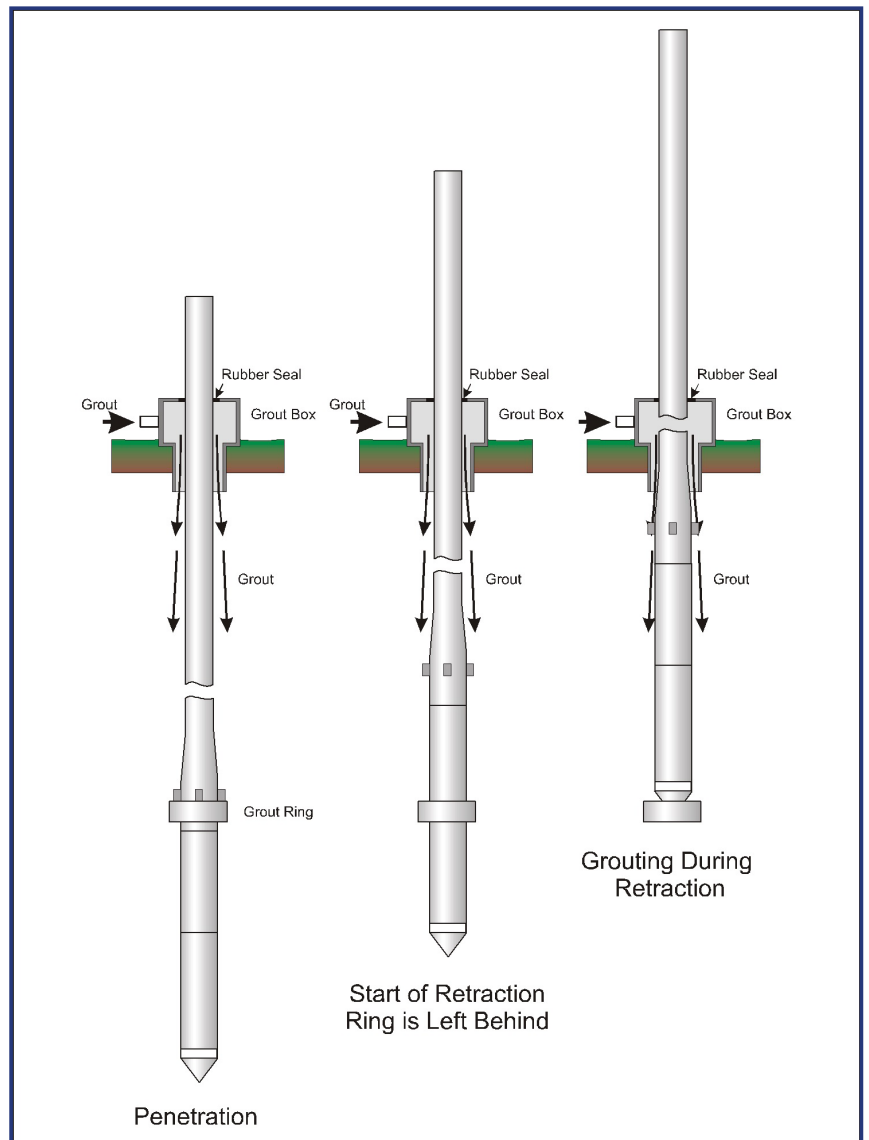


# CPT GROUTING SYSTEM

Gregg Drilling can grout the small hole left from a cone test in a number of ways. If there is concern about contamination drawing down through an open hole, one method that can be deployed with the CPT equipment is RETRACTION GROUTING.

## HOW IT WORKS

Retraction Grouting requires the use of a casing through which the cone and rods can pass. Prior to the start of the cone test, the casing is filled with grout under pressure. The pressure and supply of grout is maintained from the start of the CPT sounding to the end of the sealing process. Upon completion of the cone test, the cone is slowly retracted causing the sacrificial friction reducer to drop off. Grout then fills the hole left by the cone as it is retracted from the ground. Retraction grouting is typically suggested when cone testing in soils known to contain liquid form contaminants. This method is used because the friction reducer displaces soil as it passes through the soil. The annular space may provide a conduit through which contaminants may flow. By grouting on advance and retraction, the annular space is filled at all times thus preventing migration of contaminants through the profile.



Retraction Grouting can only be used with the CPT equipment. A small grout collar is placed under the truck at the ground surface and is connected to the grout mixer on the support truck. In this manner, grout is kept contained and directed into the soil annulus as the cone is retracted from the ground.



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