Session 3: Drilling, grouting and environmental aspects

- Drilling methods
  - Auger
  - Cable tool
  - Rotary
    - With or without casing
    - Direct or reverse circulation
  - Air rotary
    - Direct or reverse
- Direct push
- Soil samples

Auger and cable tool drilling

Rotary drilling, auger drilling

Grout shrinkage

Grout shrinkage, drilling without casing

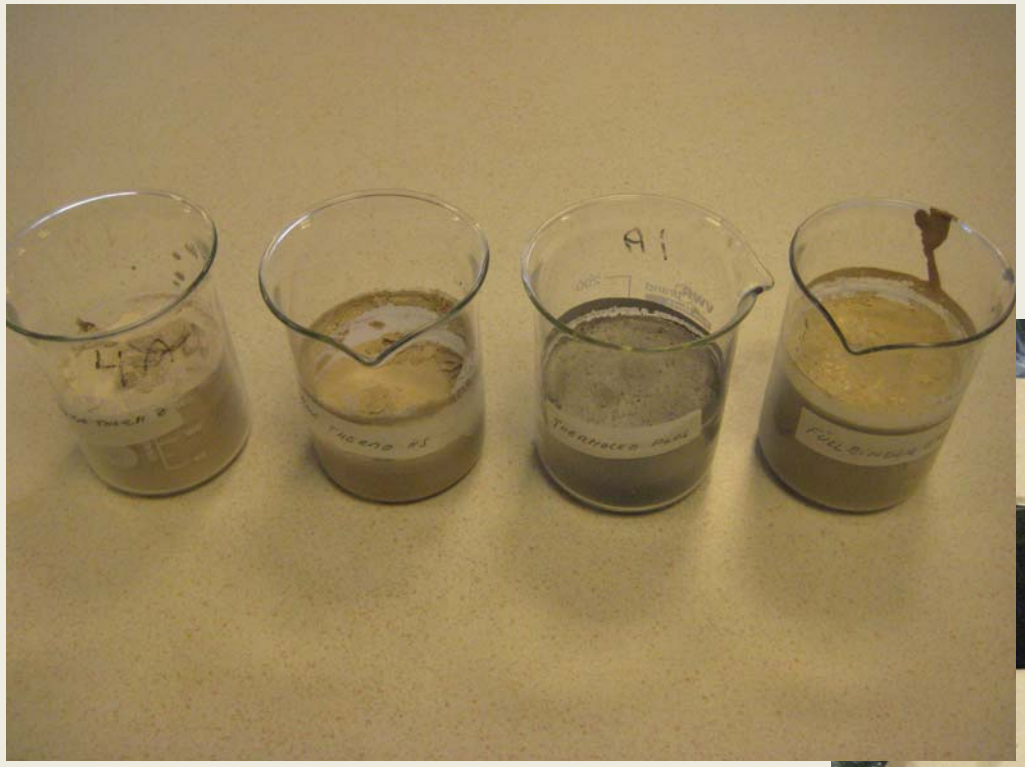
Rotary drilling, with casing

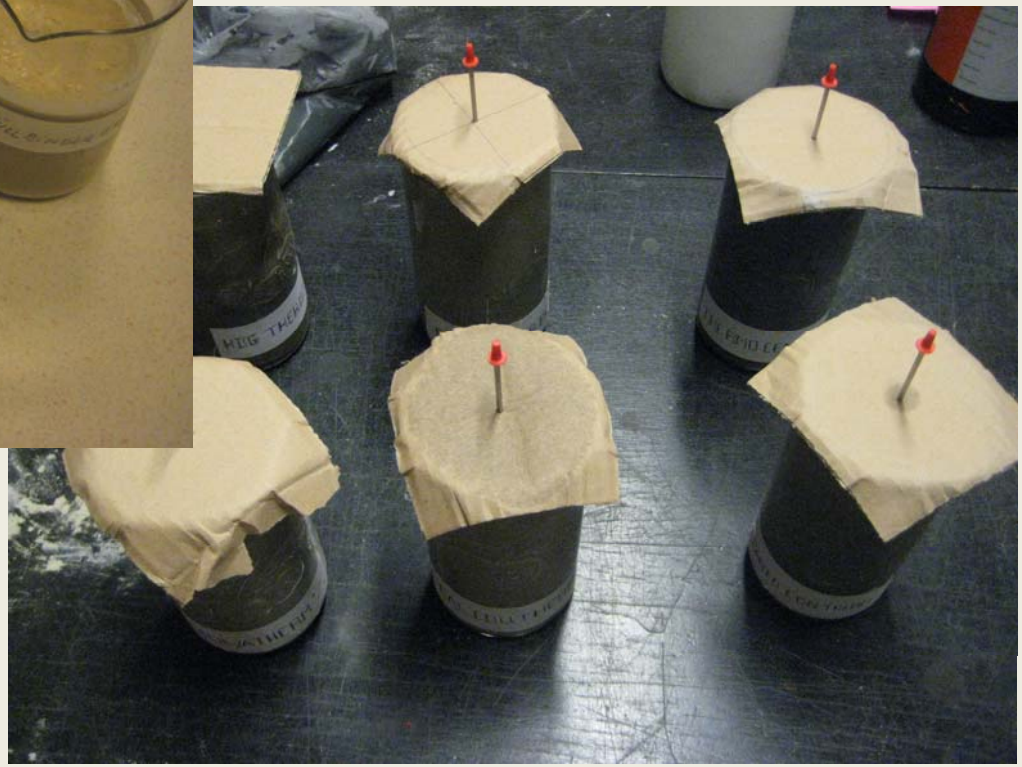
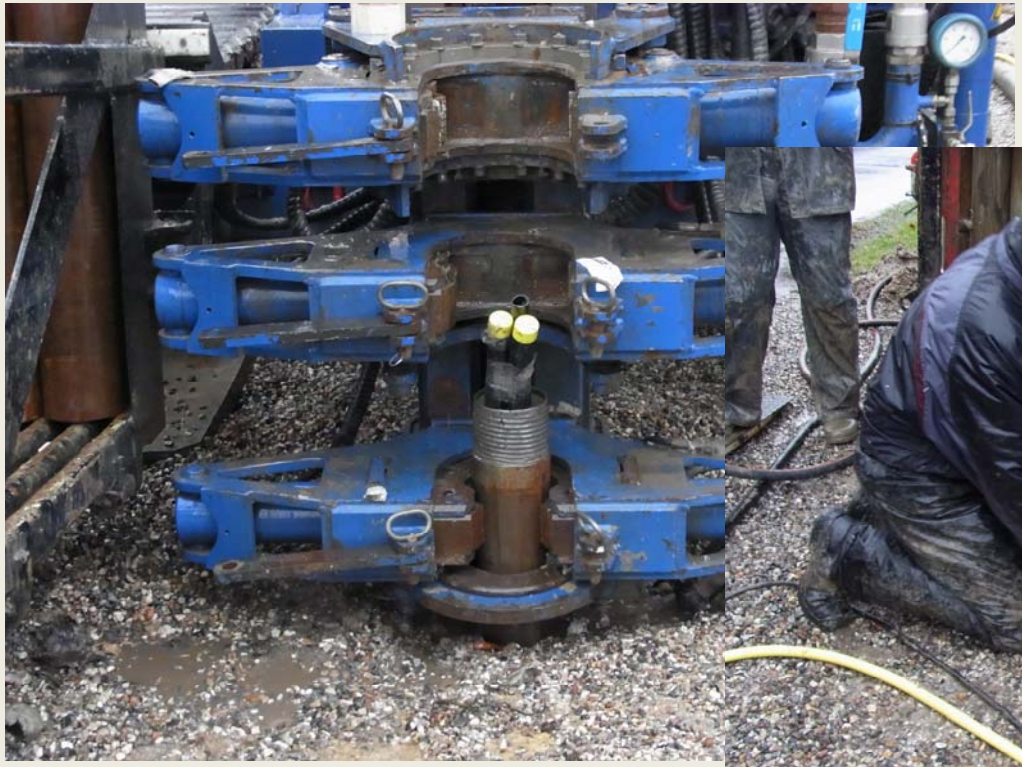
Soil samples

Soil samples

Grout

- Grout types
  - Thermal properties
  - Sealing properties
  - Shrinkage
- Grout injection
- Grout mixing
  - Batch
  - Continuous





Grout mixing