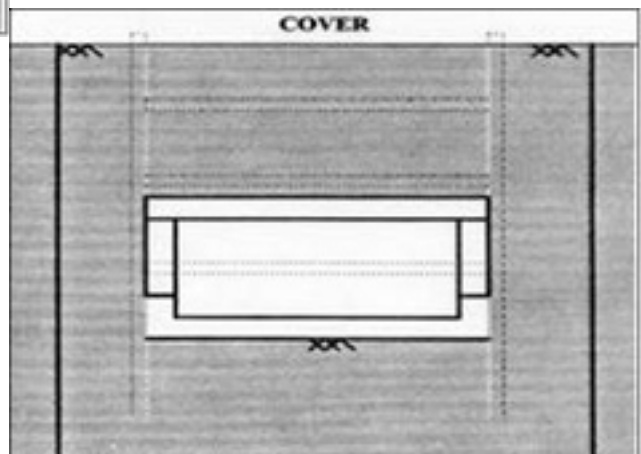
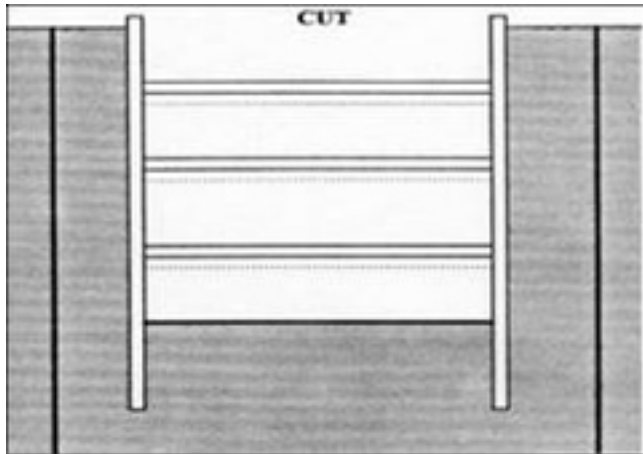


Definition

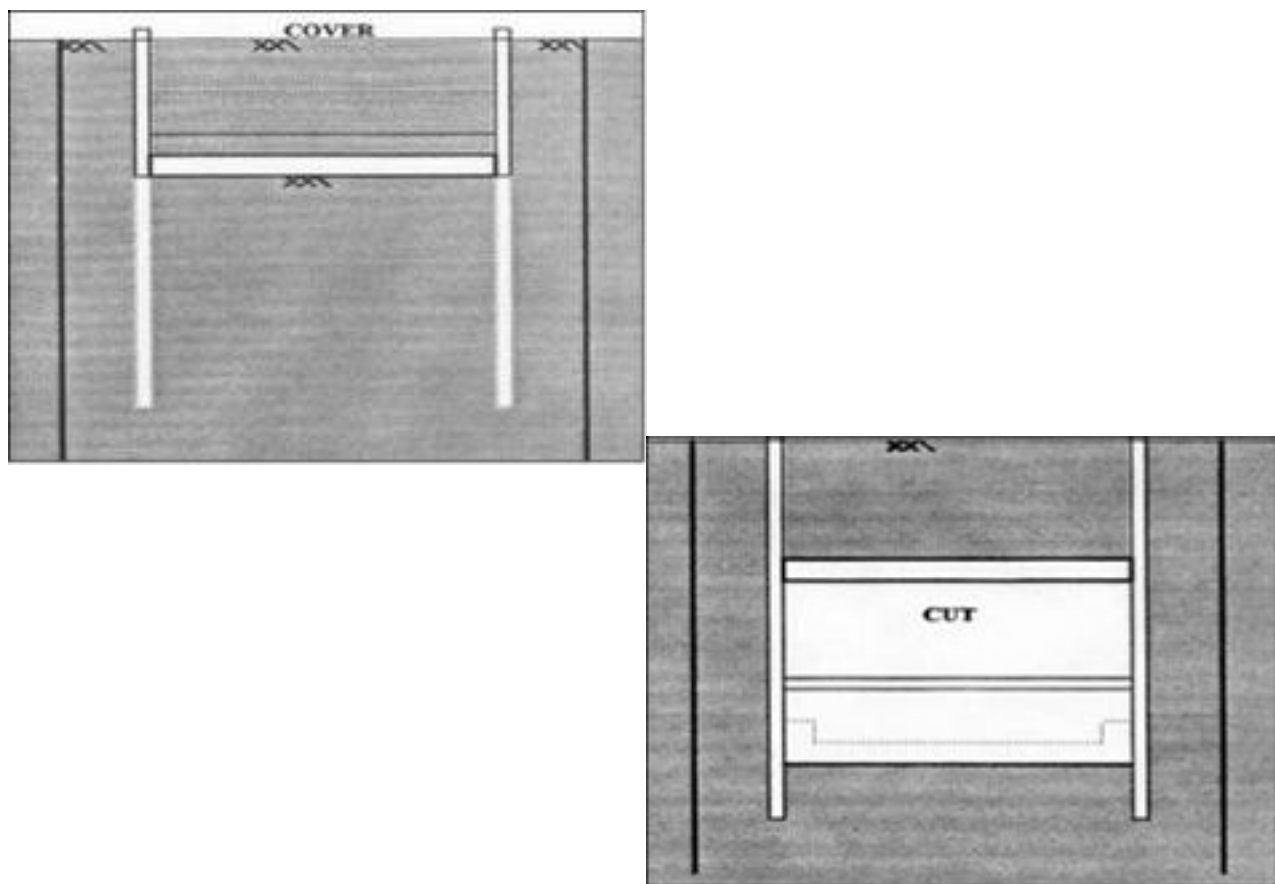
Direct Excavation

Surface reestablishment after completing all works



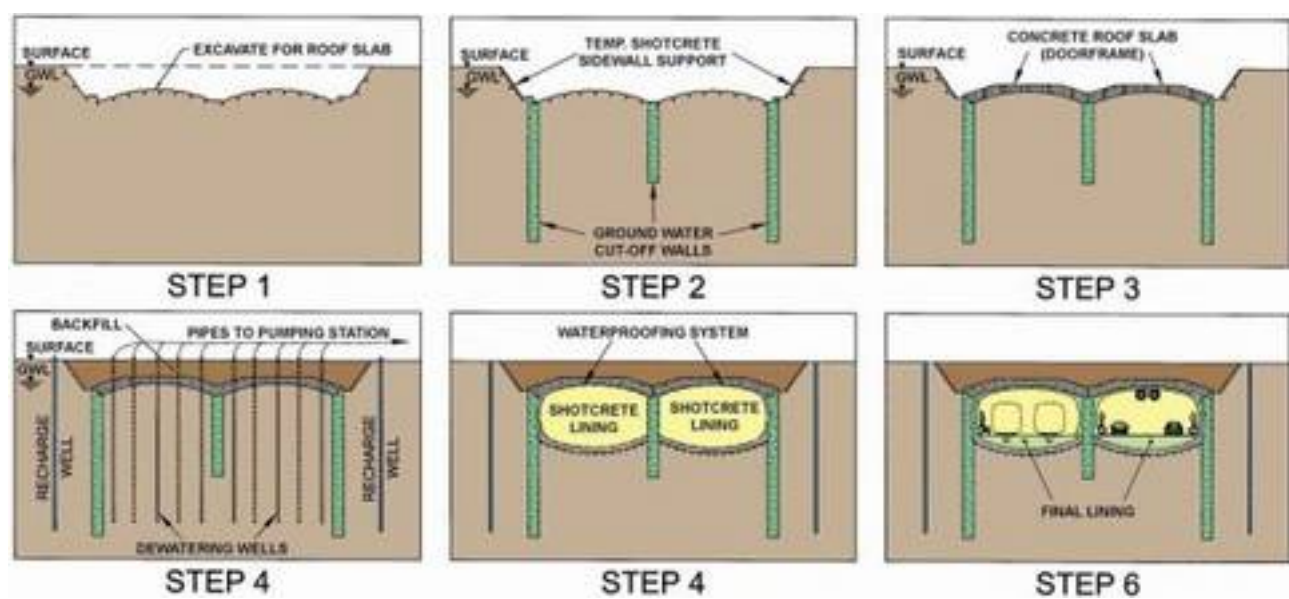
Inverse Excavation

Surface reestablishment just after completing the first-level of the underground structure



Door-Frame method

This is a cut-cover method with a construction sequence similar to inverse excavation.



Related papers

- [Cut & Cover tunnels in metropolitan areas, A Saglamer. Training Session Istanbul 2005.](#)
(pdf file / video)

Case histories

- [Central Artery - Boston USA](#)