

## Shoring Design

An accurate shoring design must be delivered to a project, as shoring provides temporary/permanent earth-retaining support to a structure during construction activities such as excavation and prevention for collapses on site. There are also range of unknowns and factors that influence the forces of the building or the trench walls, as well as space limitations due to proximity of surrounding buildings and area of influence. It is essential that shoring system are planned, designed and controlled correctly to assure safety of workers and residents, damage-free to the neighbouring properties and to achieve time & cost efficient shoring design.

Different types of shoring systems are recommended depending on several factors including the number of basement levels, height of the ground water table, nature and condition of the soil that are to be retained and the lateral loads to be resisted. Following shoring systems can be recommended:

- Anchored or cantilevered soldier/contiguous piles
- Secant piles
- Cutter soil mix
- Sheet piles
- Combination of the above shoring systems

As a highly experienced team, **RCE** is recognized for delivering shoring services in a time + cost efficient manner for any type of residential or commercial development. We are confident that our qualified engineers will provide accurate analysis and design evaluation which will ensure top quality shoring system and safety on site.

