

GEOTECHNICAL ASPECTS OF DESIGN AND CONSTRUCTION OF CONTIGUOUS BORED PILE WALL FOR DEEP EXCAVATION

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ABSTRACT

For this project, the main objectives are to find out the geotechnical aspects involved in the design and construction of the contiguous bored pile wall for deep excavation. Before the construction of the contagious bored pile wall, the engineers have to conduct soil exploration to get the soil properties and to determine the soil profile as well as the location of the groundwater table.

Site constraints, economy of construction are important considerations in the design sand selection of the contiguous bored pile wall for deep excavation besides considering the soil profile. Rankine's Earth Pressure Theory is generally used in designing the stability of the contiguous bored pile wall.