

Deep Excavations

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ABSTRACT

All major topics in the design of in-situ retaining systems for deep excavations in urban areas are outlined. Type of wall, water related problems and water pressures, lateral earth pressures, type of support, solution to earth retaining walls, types of failure, internal and external stability problems, displacements of walls and adjacent ground, instrumentation of deep excavation projects are summarized. Sequence of the subjects are given in order of design steps.

KEYWORDS: deep excavation; retaining wall; earth pressure; anchor.