



12-3 PILE LOAD TEST DETAILS SHEET FOR CISS PILES UP TO 8000 KIPS

Introduction:

A static axial compressive pile load test is the most reliable method to determine the load carrying capacity of a pile. In most large projects a specific number of load tests must be conducted. The primary reason is the uncertainty of the design methods in addition to the variable soil conditions within a project limit. The common procedure is to drive the test pile and four anchor piles to be used as reactions to resist the load. The compression load capacity of a pile can be tested in the field. Attachment "A" shows the pile load test for axial compression test for CISS driven piles of 5 to 8 feet in diameter. The load is applied to the top of tested pile by hydraulic jacks. The load is applied to the pile incrementally and sufficient time is allowed to elapse after each increment so that a small settlement occurs. The geotechnical designer will determine geotechnical nominal resistance from the pile load test results.

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