HOLE PROFILING

PILE IMAGING TEST

SOUND WAVE THEORY

ASTM/D8232 (2018)
Standard Test Methods for Measuring the Hole Inclination of Deep Foundations

The HPPIT detects the internal diameter of the hole for drilled bored piles, caissons, barrettes, diaphragm walls and other concrete structures prior to commencing concrete placement.

Test Tip

To check pile verticality within the allowable limit of V < 1/75; where V: verticality of pile.

To check soil sediment thickness within the allowable limit of T < 50mm for bearing pile or T < 300mm for skin friction pile; where T: thickness of sediment.

The soil sediment thickness, T, will increase with time to ready the borehole to concreting. To eliminate the soil sediment thickness problems, use the innovative technology.

MrGeoTECH
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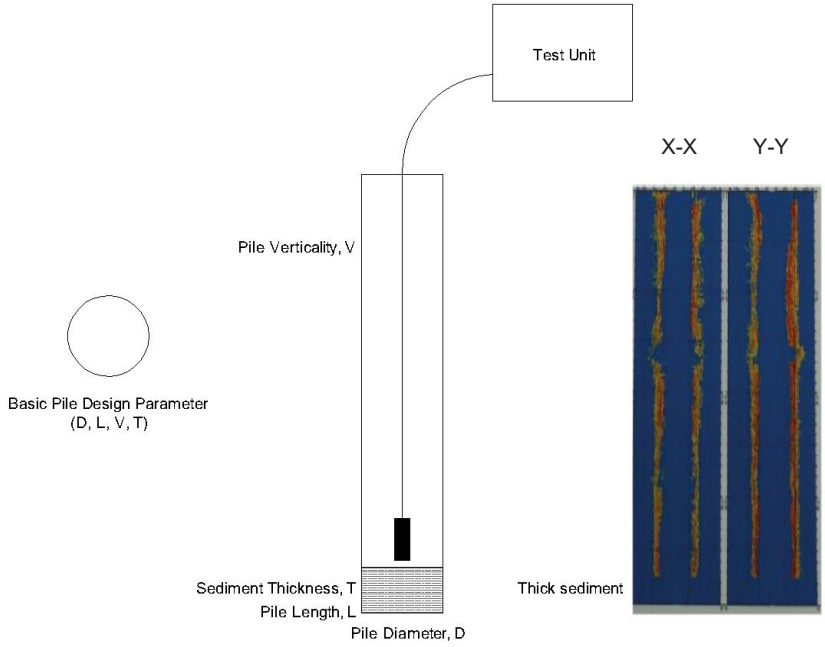
TremieMATE

Hole Profiling Pile Imaging Test

The Hole Profiling Pile Imaging Tester (HPPIT) is a state-of-the-art testing equipment to perform hole profile (or shape) of a drilled bore hole (or spun pile hole) by plotting the hole profiling to verify the pile verticality (or alignment) prior to concrete placement.



Pile Design	Pile Verticality, V	Sediment Thickness, T
Skin Friction	V < 1/75	T < 300mm
Base Bearing	V < 1/75	T < 50mm

The soil sediment thickness will be determined by sediment sensor. The pile base cleaning shall be continue if the sediment thickness exceeding the allowable thickness. To guarantee the solid base, please use TremieMATE.



*Pictures are from Internet

Contact Us :

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