



PITCHER SERVICES

GEOTECHNICAL TESTING

Pitcher Services offers a number of specialized tests for geotechnical investigations. All are combined with standard rotary drilling techniques to implement the equipment.

SPT ENERGY CALIBRATION

Pitcher operates an SPT Analyzer system to calculate the energy transferred by a SPT hammer using force and velocity measurements. Hammer energy can vary widely between different drill rigs and across site conditions. Measured energies are used to adjust the SPT N-value, or blow count, to the normalized N60 value.

VANE SHEAR TESTING

Pitcher operates a Geonor H-10 vane system with an up-hole motor. Vane shear testing provides an in situ measurement of undrained shear strength and remolded strength. The system can use two different size vanes depending on the anticipated strength of the clay being tested.

PRESSUREMETER TESTING

Pitcher operates a TEXAM pressuremeter deployed in a pre-drilled borehole. The PMT is filled with water in uniform increments and an in situ stress-strain curve is obtained by plotting the injected volume against pressure.




Pitcher also offers Dilatometer testing (DMT) and seismic DMT which can be advanced with CPT equipment or direct push methods.



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