

GREGG DRILLING LLC

GEOTECHNICAL TESTING SERVICES

SPT Energy Calibration

Gregg operates the PDI SPT Analyzer system. This system calculates the energy transferred by SPT hammers using force and velocity measurements. Hammer energy can vary widely between different drill rigs and even for the same rig at different sites which makes energy measurement very important. Measured energies are used to adjust the measured SPT N-values to the normalized N60 (for a normalized 60% energy rate).

Pressuremeter Testing

Gregg operates the TEXAM Pressuremeter manufactured by RocTest. The TEXAM PMT is deployed in a pre-drilled borehole. The PMT probe is filled with water in uniform increments and an insitu stress-strain curve is obtained by plotting the injected volume against pressure.

Vane Shear Testing

Gregg operates the Geonor H-10 vane system. The Geonor H-10 uses an up-hole motor to turn the downhole vane for the test. Vane shear testing provides an insitu measurement of undrained shear strength. The system uses different vane sizes for downhole testing. Vane Selection is based upon the expected strength of the soils being tested.

Dilatometer & Seismic DMT Testing

Gregg deploys a seismic dilatometer (SDMT) made by Studio Marchetti in Italy. The probe is capable of conducting dilatometer and seismic testing down to 50m, or approx. 150ft in depth.

SERVICES:

- SPT Energy Calibration
- Vane Shear Testing (VST)
- TEXAM Pressuremeter Testing
- Dilatometer & Seismic Dilatometer Testing (DMT/sDMT)

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VALUE

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