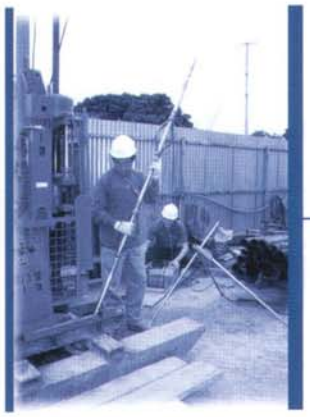
Ground Investigation

Stanger Asia Limited has been providing drilling, sampling, testing, instrumentation and reporting services since (1994) and has the support services of a well established materials and environmental testing laboratory.

The Ground Investigation Department carries a full range of drilling equipment and tools, from which we can offer a full scope of drilling, sampling, testing and instrumentation techniques to be carried out.

Ground Investigation services offered by Stanger Asia Limited include:



- Ground Investigation drilling with rotary coring techniques using double / triple tube core barrels; undisturbed sampling techniques using mazier barrels, thin wall, U76 and piston samplers, in-situ testing including standard penetration tests rein shear tests, single / double packer tests and impression packer tests.
- Concrete Pile integrity drilling - full core or through the sonic pipe to prove the interface of the pile / rock.
- Overburden drilling system up to 10" diameter.
- Predrilling for bored pile foundations using wash boring through fill and soil strata.
- Specialist test: in-situ verticality checking using a gyroscopic verticality sonde, pressure meter and pumping tests.
- Geotechnical instrumentation including: standpipe piezometer, casagrande piezometer, vibrating wire piezometer, drive - point (push-in type) piezometer, pneumatic piezometer, inclinometer, spider type magnetic extensometer, magnetic probe extensometer and rod extensometer.
- Specialist geotechnical instrumentation: centralizing and fully automating the instruments by installing the Automatic Extensometer Controller (AMEC) Unit or a Datataker DTSIS Geologger.
- Trial pit investigations, with in-situ testing sand replacements and dynamic probe investigation bulk sampling and block sampling.
- Rock mass ratings.
- Slope stripping.
- Slope scanline investigation rock joint mapping and condition surveys.
- Plate Load Tests using ground anchors for the test reaction.
- Monitoring of geotechnical instrumentation.

Stanger Asia

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