Site Investigation

Auger can assess the suitability of the land for all major engineering projects or building works and then utilise a number of site investigation methods to provide this assessment for their wide range of clients.

What is a standard Auger Site Investigation?

**Trial Pitting:**
- Trial pits allow a detailed examination of the ground in situ.
- They provide some indications of ‘digability’, trench stability and groundwater conditions.
- If undertaken on an existing building then we they can be used to expose and identify existing foundation details.
- All surfaces reinstated to match existing upon completion.

**Small Diameter (Hand held) Augering:**
- Typically undertaken to a depth of 3m or refusal.
- In-situ tests undertaken – Mackintosh Probe or Shear Vane.
- Disturbed soil is collected from the auger flight as it is brought to the surface (typically at 500mm centres).

**Laboratory Testing**
Auger are responsible for the entire process, available tests include:
- **Natural Moisture Content of soil** – to BS1377:part 2 1990
- **Plasticity Index** - to BS 1377: part 2:1990:clause 4.4
- **Particle size distribution** - BS 1377: Part 2: 1990
- **Soil suction** - to a documented In house method BRE IP4/93
- **Single stage quick undrained triaxial compression test** - to BS1377: part 7 1990
- **Coefficient of compressibility** - to a documented In house procedure TP.IH1377.1-5 based on BS 1377)
- **PH of soil or groundwater** – A full suite of tests can be undertaken
- **Sulfate content of soil or groundwater** – Water and acid soluble sulphate tests

**Full Detailed Report:**
- Professionally drawn CAD Site Layout
- Soil logging to BS5930 presented in profile trial hole logs.
- In-situ testing results.
- Detailed Laboratory Testing Results

To discuss site investigation or to request further information on any of Auger’s services please do not hesitate to contact our office on 0151 630 5886 or admin@augersolutions.com.