GROUND TECHNOLOGY

Foundations

Our engineering team have significant experience in geotechnical design and consultancy services, providing engineering analysis and design solutions from simple to complex foundation problems.

Our multi-skilled professionals have wide ranging expertise in soil and rock mechanics, engineering geology, geotechnical design and construction disciplines. This allows us to fully understand your site and specific project requirements. In addition, our experience and knowledge enables us to fully investigate and overcome any engineering problem in all types of ground, developing the most economic solution for your project.

Our construction knowledge and engineering design experience gives us the ability to specifically tailor the site investigation, testing and reporting services to meet the engineering requirements of your project. We pride ourselves on establishing the most economic investigation for the prevailing project parameters.

We fully liaise with all relevant stakeholders involved with your project, ensuring that we provide maximum value to your foundation design and construction requirements.

After carrying out the necessary investigative phase, our engineering teams are able to fully interpret and analyse the findings of the soil investigation in order to produce detailed interpretative reports, soil engineering parameters and foundation solutions. Our reports provide recommendations for a variety of relevant foundation design and construction considerations. Where applicable, our foundation advice covers assessment and analysis of traditional and specialist foundation solutions, roads/pavements, ground improvement /stability, retaining walls and groundwater risk/control. All of our work is carried out with respect to current industry standards and innovations.

As part of our analysis and design capabilities, we have various software solutions to assist with:

- Bearing capacity and settlement analysis
- Pile design analysis
- Retaining wall analysis and design