



# CMT (Testing) Limited

Technical expertise within CMT's Geotechnical department covers a broad range of client requirements for site investigation and subsequent laboratory testing.

## Geotechnical

Data is obtained via appropriate site and laboratory techniques advised and conducted by highly qualified and experienced scientists and engineers. The procedures employed meet the quality standard of UKAS accreditation.

Customers receive informative reports supplied to assist and support engineering, design and construction decisions relating to such items as:

- Ground improvement
- Foundation design
- Compaction control of soil aggregate and bituminous material
- Bearing capacity assessment
- Road pavement design
- Subgrade characteristics

Focusing on the need for concise technical information and support, the developed scope incorporates numerous test capabilities for:

### Geotechnical Site Testing

*In situ* CBR Testing

Plate Bearing Testing

*In situ* Density

Nuclear Density Testing

Ground Gas & Water Installation & Monitoring

### Geotechnical Laboratory Testing

Particle Size Distribution

Plasticity Index

Moisture Content

Moisture Content vs. Dry Density

Undrained Triaxial

Bituminous Materials Testing

Laboratory CBR's

Los Angeles Abrasion

Bulk Density Determination

Aggregate Crushing Value (ACV)

Aggregate Impact Value (AIV)

Air Void Determination of Bituminous Cores

Permeability

Flakiness Index

Frost Susceptibility

Dry Density Moisture Content Relationship

Particle Density

Root Identification

Polished Stone Value

Hydraulic Conductivity

Water Filled Porosity

Air Filled Porosity

Further specialised tests are available ensuring a complete service from initial appraisal to analysis of overall findings meeting the very demanding time scales and technical know-how needs of ground workers, consultants and contractors.

## Site Investigation

CMT (Testing) Limited's experience in ground investigations allows us to provide the optimum scope of investigation along with the most appropriate methodology, from initial site appraisal to the recommendation of foundation type. Methods employed include:

Trial Pit Investigation

Window Sampling

Dynamic Probing

Shallow Mine Working

Investigation

Foundation Recommendation

Existing Foundation Investigation

Soil Infiltration Testing

Light Cable Percussive Drilling

Rotary Open Hole Drilling

CMT (Testing) Limited

Prime Parkway

Prime Enterprise Park

Derby. DE1 3QB

t: 01332 383333

f: 01332 602607

e: [testing@cmt-ltd.co.uk](mailto:testing@cmt-ltd.co.uk)



CMT is UKAS accredited to  
BS/EN/ISO/IEC 17025.

For further information  
contact

[richard.cartlidge@cmt-ltd.co.uk](mailto:richard.cartlidge@cmt-ltd.co.uk)

[www.cmt-ltd.co.uk](http://www.cmt-ltd.co.uk)