



Geo-Environmental

Supporting Commercial Infrastructure

- Site Risk Assessment
- Environmental Consultancy
- Geotechnical Consultancy
- Remediation and Validation

Geo-Environmental Services is an International Geotechnical and Environmental Engineering Consultancy, part of the Geo-Environmental group of companies. Our consulting engineering team consists of Degree and Masters qualified consulting engineers, and include; Chartered Geologists, Chartered Environmentalists, Chartered Scientists.

Since 1996 our team has undertaken geotechnical and environmental consultancy projects and site investigations to support developments which have included breweries, sports grounds, retail parks, renewable energy installations and new office blocks – amongst others.

The services that we have provided have included; phase 1 desk studies and phase 2 intrusive investigations, soakage tests, slope stability analysis and design, basement impact assessments, contaminated land assessments, remediation strategies and validation reports, amongst others.

As a result we have worked for an impressive and diverse range of end clients that have included Travelodge, Sainsbury, IKEA, Blandford Brewery, London Irish Rugby Club and GlaxoSmithKline.

Whilst many of the technical skills for commercial development are similar to the work that we also undertake in the housing development arena, there is generally a requirement for different types and levels of information – for example, high-load foundations. In addition commercial developments are often more likely to be on brownfield sites, making contaminated land assessments more complicated.

One of the key issues for commercial developments is that the costs of sending materials to landfill can become significant. We can provide the qualified person(s) and other experienced staff to ensure that soil is correctly classified and create the plans and strategies you need to manage your materials effectively.

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Travelodge | Case Study

Services Supplied on this Project:

- Desk Study Assessment;
- Sub-Surface Services Survey
- Intrusive Ground Investigation by Cable Percussion Rig, Window Sampling and Hand Excavation of Trial Pits;
- Geotechnical Assessment for Foundations and Earthworks;
- Contamination Risk Assessment;
- Ground Gas Risk Assessment

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The Project

Geo-Environmental provided geotechnical and environmental ground investigations, on behalf of George and Harding, at ten Travelodge Hotel sites across the country to ascertain ground conditions for the design of new hotel buildings and extensions to existing hotel buildings.

The site works were programmed to be undertaken over a period of ten working days and were co-ordinated to run consecutively. The investigations were carried out during hotel operations, within the Travelodge car parks and immediately around the footprints of each hotel buildings.

Expertise

Geo-Environmental's experienced team with its broad knowledge of investigation techniques and experience of managing and implementing a number of similar projects, provided advice on foundation recommendations, excavation stability, concrete class, pavements and soakaways.

Geo-Environmental was able to provide a robust Health and Safety Plan, relevant site specific Risk Assessments and Method Statements for all works carried out on each of the ten sites across the country.

Benefits

Utilising strict site controls and following robust, yet pragmatic health and safety protocols, the works were carried out in such a manner as to limit disruption and associated risks to Travelodge customers, the general public and the hotels infrastructure.

The reports for each site were delivered on time and within budget. Subsequent to this contract, Geo-Environmental have been awarded work on several further Travelodge sites with an approximate contract value in excess of £60k. We continue to maintain a very good working relationship with the client, associated consultants and design and build contractors.