

Berkeley Homes Southern Ltd

Sector: Housing Development

Value: Approx. £100k

Date: 2007

Services Supplied on this Project:

- Design and Scoping of An Intrusive Investigation;
- Trial Pitting;
- Cable Percussion Boreholes;
- Cone Penetration Testing;
- Window Sampling;
- Monitoring Well Installation;
- Geotechnical Assessment
 - Foundations (Residential Development)
 - Earthworks Suitability and Classification
 - On-site Highways
 - Soft Ground Engineering Options
 - Slope Stability;
- Geo-Environmental Assessment
 - Contamination Risk Assessment for Human Health, Controlled Water and Built Environment
 - Ground Gas Risk Assessment;
- Technical Support on Submission of Design Documentation (e.g. AIP Form C).

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We Value:
Quality
Health and Safety
Environmental Management
Sustainability
Equal Opportunity



The Project

Geo-Environmental undertook a detailed ground investigation, on behalf of Berkeley Homes, for a major new development which included housing development, community centres, school and 1.8km of new by-pass -1km of which was over deep soft ground. These conditions, combined with the scale of the site, meant that the investigation and assessment strategy for this development would be complex and challenging.

The investigation included comprehensive laboratory testing for geotechnical and contamination purposes, the compilation of an interpretative report and preliminary design for earthworks, foundations and embankment construction over deep, soft ground. The main phase of site works were completed within a four week window.



Expertise

This was a challenging site both in terms of the scale of development and complex ground conditions. Through a combination of early involvement, availability of relevant technical and professional competencies and clear communication with the Client, Geo-Environmental was able to assess key issues at a very early stage and through understanding the form of development and the Client's objectives, to design a ground investigation to assess a broad range of technical issues and thus provide the Client and other members of the design team with appropriate advice to enable objectives to be met.

Benefits

Geo-Environmental works closely with clients and other members of a client assembled team to deliver pertinent information and provide technical advice in a timely and cost effective manner. Geo-Environmental's experienced Geotechnical Engineers were able to identify abnormal conditions, assess a range of development and construction options and provide technical support in progressing integrated design solutions to achieve key objectives.



Excellence in Geotechnical and Environmental Services

Geo-Environmental

We are a trusted supplier of choice for Geotechnical and Environmental Services for our customers by delivering consistent quality and reliability, taking seriously our obligations to operate safely and sustainably, valuing and supporting our workforce and delivering value for money for our customers.