

Linden Homes Southern Ltd

Sector: Commercial Development

Value: Approx. £10k

Date: 2009

Services Supplied on this Project:

- Desk Study Assessment;
- Preliminary Ground Investigation (Window Sample Boreholes and Trial Pitting);
- In-situ Testing for Pavement Design;
- Trial Pit Soakage Tests in Accordance with BRE Digest 365;
- Supplementary Investigation (Cable Percussion Boreholes);
- Geotechnical Assessment for Foundations and Earthworks;
- Contamination Risk Assessment;
- Ground Gas Risk Assessment;
- Earthworks Fill Suitability Assessment and Specification.

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



The Project

Geo-Environmental undertook an investigation for the proposed development of a site in Totton, from fallow farmland to sports pitches, stands, a clubhouse complex and car parking areas. The site itself was situated on a gentle slope and therefore required re-profiling in order to form the level sports pitches specified in the development. Taking this into account and in consultation with Linden Homes, the investigation therefore included an assessment for earthworks fill suitability and earthworks specification.

Following the first phase of the ground investigation, the clubhouse complex was found to overlie soft compressible soils, which could have required a change in Linden Homes development strategy. Geo-Environmental investigated options for the Client and initial consideration was given to changing the development layout. After due consideration this was found not to be a feasible option and thus a supplementary investigation was undertaken to support the design of piled foundations.

Expertise



Whilst the form of this development was a departure from that typically undertaken by Linden Homes, Geo-Environmental was able to provide relevant professional and technical support to understand and overcome the challenges with this site and achieve the required goals to support its development. When challenges are identified in site developments, experienced geotechnical engineers can ensure that delays and additional costs do not occur. Our geotechnical team has extensive experience and this is a crucial factor in ensuring that our clients meet their goals.

Benefits

The abnormal ground conditions and development layout constraints required the consideration of innovative solutions to achieve the Client's objectives. Geo-Environmental's experienced and customer focussed Geotechnical Engineers worked in close collaboration with the Client to deliver the required information in a timely and cost effective manner.



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.