



**Knapp Hicks  
& Partners Ltd**

## About Us

Knapp Hicks and Partners Ltd (KHP) provide a range of consulting engineering services including geotechnical and geo-environmental services for a range of clients including the preparation of desk top studies, appraisal of existing information, assessment of contamination on development sites, and site visits to assess unexpected ground conditions.



Geotechnical and Geo-Environmental Services

## A Range of Services

We provide a comprehensive picture of the characteristics of sites enabling effective geo-environmental risk assessment and remedial design solutions to be developed alongside sound project-specific geotechnical advice.

Services include:

- ❑ Desk Studies
- ❑ Geotechnical and Geo-Environmental Site Investigations
- ❑ Soakage Tests to BRE 365
- ❑ Site appraisals, land quality statements and risk assessments
- ❑ Remediation Proposals
- ❑ Discharging of Planning Conditions and NHBC Conditions
- ❑ Advice on changing legislation
- ❑ Liaison with Regulators (Local Authorities, NHBC, Environment Agency)
- ❑ Identification of Japanese Knotweed and advice on eradication
- ❑ Assessment of the stability of steep slopes, quarry faces and cliffs
- ❑ Assessment of the effects of dissolution features in Chalk and Hythe Beds strata on foundation solutions
- ❑ Foundation inspections & advice
- ❑ Advice on site waste disposal and WAC assessment

## Project design

KHP advises clients on a variety of considerations in relation to geo-environmental conditions and planning. We work closely with the Local Authority Regulators in order to provide cost-effective proposals to minimise project delays. All our work is conducted to conform with current guidance (CLR11) and within the framework of the Contaminated Land Environmental Assessment (CLEA).

## Desk Studies

The first requirement of any new development is to assess the environmental sensitivity of the site and to establish whether past activities in the local area have had any impact on the site. From such a study it may be possible to discharge any Planning Conditions, but should further work be necessary, KHP uses the information gathered to design a specific and effective programme of investigation that meets both client and regulatory requirements.

## Ground Investigations

Where appropriate our site-specific, risk-based assessments combine geotechnical and environmental investigations to provide a value added service. A wide range of investigations have been completed for developers and local authorities under Part 2a of the Environmental Protection Act (1990).

Investigative techniques include:

- ❑ Recovery of shallow depth soil samples for validation
- ❑ Borehole, Window sampling, hand auger and trial pit investigations for recovery of samples from depth
- ❑ Installation of monitoring wells for the assessment and monitoring of ground water and ground gas.

making it **happen**



# Knapp Hicks & Partners Ltd

## Remedial Alternatives

KHP is regularly commissioned by developers and local authorities to design and manage the implementation of remedial solutions to mitigate contaminated land issues.

Our objective is always to manage health and environmental hazards and risks safely and to develop commercially viable options for the subsequent development.



- ❑ Remedial options:
  - Capping layers
  - Selective soils removal
  - Soil treatment, if appropriate
  - Ground gas protection measures
- ❑ Risk avoidance:
  - Amending the design of the structure in order to break potential pollutant linkages.
- ❑ Groundwater
  - Where groundwater may be impacted from past industrial activities, KHP works with specialist consultants and remedial contractors to resolve any issues

## Laboratories

We only use quality-assured UKAS and MCERTs registered laboratories to undertake the chemical analysis of soil and water recovered during our site investigations. Preferential rates are secured for these services which we pass on to our clients.



## Discharging Planning Conditions

Planning conditions imposed by local authorities (in consultation with the Environment Agency) do not simply relate to contaminated land issues, but can cover other aspects of environmental guidance as well. Factors of influence include previous use of the site, environmental sensitivity and the proposed end-use of the development.

KHP's extensive experience in this sector allows us to begin negotiations with regulators at a very early stage in the project. This means that costs and completion dates are better quantified from the start and the likelihood of project hold-ups later on are reduced.

KHP makes every effort to maintain its good reputation amongst regulators and to operate with efficiency and integrity. We do not take risks which could damage the beneficial goodwill that we have nurtured between clients and regulators and we operate with transparency at all levels to keep involved parties aware of project progress.

The discharging of Planning Conditions is a client priority that KHP incorporates into all its projects as a matter of course. Throughout the project our aim is to achieve this at the earliest opportunity, with the minimum time delay and provide the most appropriate solution for the client.

**Whether the build project is a domestic extension or a large scale residential or industrial development, Knapp Hicks have the experience, knowledge and contacts to address all Land Quality, planning, contaminated land and geotechnical issues.**

## enquiries

Kingston House,  
 The Long Barrow  
 Orbital Park,  
 Ashford,  
 Kent TN24 0GP  
 (t) 01233 502255  
 (f) 01233 502288  
[rmooore@knapphicks.co.uk](mailto:rmooore@knapphicks.co.uk)

VISIT OUR WEBSITE AT  
[www.knapphicks.co.uk](http://www.knapphicks.co.uk)

