



Knapp Hicks
making it happen



Civil Engineering Services

About Us....

Knapp Hicks provide a range of consulting engineering services including Civil Engineering services for our clients. These services include full infrastructure and highway design for a wide range of development proposals.

A Range Of Services

From pre-purchase appraisals and technical advice to full detailed design of major infrastructure schemes, Knapp Hicks provide a diverse range of design solutions tailored to meet all our clients' requirements. These services include:

- Design of major infrastructure and highway schemes to DMRB standards.
- Design of residential, commercial and industrial development schemes to both private and adoptable standards, including liaison with local Highway and Water Authorities for S38, S278, S104 & S106 technical approval.
- Discharging of planning conditions
- Design and detailing of SUDS schemes
- Stage 1,2 & 3 Road Safety Audits to HD/1915
- Liaison with regulators (Local Authorities, NHBC, Environmental Agency)
- Pre purchase appraisals and technical advice
- Design and detailing of pumping stations, enabling clients to overcome level restrictions



Infrastructure Design

Knapp Hicks advises clients on a variety of considerations in relation to infrastructure design including:

Earthworks

Earthworks has become one of the most important and costly areas within the construction industry. At Knapp Hicks we pride ourselves on being able to provide our clients the most cost effective and environmentally sustainable earthworks design. Working closely with our Geotechnical team, we are able to model and analyse Cut & Fill volumes and appraise the suitability of material for re-use within the development site as a means of maximising the volume of material being disposed off-site.



Drainage

Flooding and the introduction of PPS25 raised awareness of climate change throughout the industry. At Knapp Hicks we pride ourselves on being able to offer clients sustainable and cost effective drainage solutions for their developments, whether this is via positive drainage of a 'SUDS' solution. Working within the guidelines set out in 'Sewers for Adoption' and Building Regulations Part H 'Drainage and Waste Disposal' and through liaising with the Regulatory Authorities, we utilise our specialist software to model the design and produce the optimal drainage solution. In addition we are regularly appointed to prepare submissions for technical approval from sewage authorities for:

- S106 – Sewer Connections
- S104 – Sewer Adoptions
- S185 – Sewer Diversions



Pre-Purchase Appraisals

Knapp Hicks is regularly commissioned by our clients to prepare pre-purchase appraisal reports, as a means of identifying remedial solutions to mitigate the risks. We are able to address the following categories:

The Existing Site:

- Location and size
- Existing usage
- The environment and adjacent buildings
- Topography

Planning Situation:

- Likelihood of planning approval
- Discharge of planning conditions

Highways:

- Provision of main access into the site
- Design of new on-site access roads
- Off-site highway improvements

Drainage

- Capacity of existing sewer network
- Sewer diversions
- Drainage strategy, including positive drainage or 'SUDS' solutions
- Attenuation requirements
- Existing flooding issues

In conjunction with our Geotechnical and Structural Engineering teams, we are also able to report on ground conditions, services, demolition, archaeology and ecology, noise, party walls and TPOs.



Highway Design

Whether you require the design for a residential or commercial hardstanding or for a full design submission seeking the adoption of new roads associated with your development, Knapp Hicks has the experience and expertise to be able to deliver a diverse range of solutions.

Working with current legislation including 'Design Manual for Roads & Bridges', 'Manual for Streets' and local Highway Authority design guides, Knapp Hicks are regularly commissioned by our clients to undertake the design and preparation of detailed submissions seeking technical approval for:

- Residential and Commercial Vehicle Crossovers
- S38 Highway Adoption
- S278 Developer funded Highways Improvement schemes

Our expertise is not just limited to the Highways environment. We also have experience of providing heavy duty solutions for the commercial and industrial sector, including the shipbuilding industry.

Whether the build project is a domestic crossover or a large scale residential or industrial development, Knapp Hicks have the experience, knowledge and contacts to address all civil engineering issues.





Contact Us:

Laval House
Great West Quarter
Great West Road
Brentford
Middlesex
TW8 0GL
Tel: 020 8232 1888

Prospect House
1 Highpoint Business Village
Henwood
Ashford
Kent
TN24 8DH
Tel: 01233 502255

Prospect House
Suite 10, Swan Business
Centre
1 Swan Park, Kettlebrooke
Road
Tamworth, Staffordshire
B77 1AG
Tel: 01827 307691

Prospect House
24 Prospect Road
Ossett
West Yorkshire
WF5 8AE
Tel: 01924 269785

E-mail: abird@knapphicks.co.uk

Web: www.knapphicks.co.uk