



# Knapp Hicks & Partners Ltd

## About Us

Knapp Hicks and Partners Ltd (KHP) 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 & Partners Civil Engineering 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 and S104 technical approval.
- ❑ Discharging of planning conditions.
- ❑ Design and detailing of SUDS schemes.
- ❑ Stage 1, 2 and 3 Road Safety Audits to HD/19/03.
- ❑ Liaison with Regulators (Local Authorities, NHBC, Environment Agency)
- ❑ Pre purchase appraisals and technical advice
- ❑ Design and detailing of pumping stations, enabling clients to overcome level restrictions
- ❑ Full CCTV drainage reports and surveys
- ❑ Topographical survey



## Infrastructure Design

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

### ➤ Earthworks

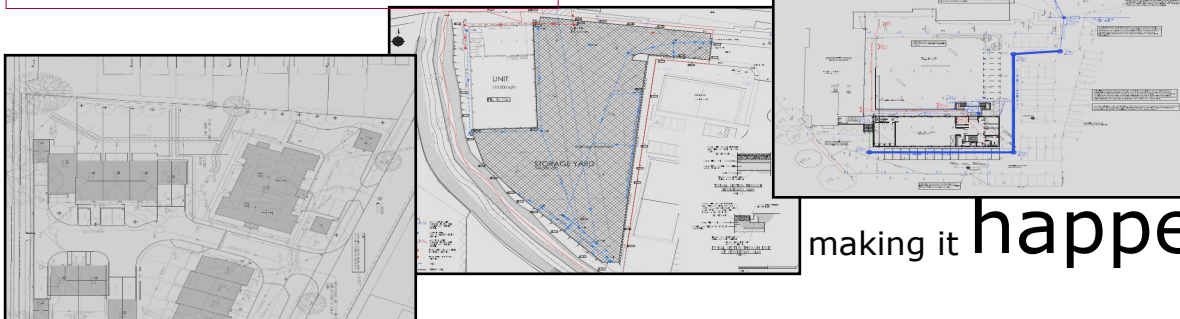
Earthworks has become one of the most important and costly areas within the construction industry. At KHP we pride ourselves on being able to provide our clients with the most cost effective and environmentally sustainable earthworks design. Working closely with our Geotechnical team, we are able to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

### ➤ Drainage

Recent flooding and the introduction of PPS25 has raised awareness of climate change throughout the industry. At KHP, we pride ourselves on being able to offer our clients sustainable and cost effective drainage solutions for their development, whether this is via positive drainage or 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 appointing to prepare submissions for technical approval from sewage authorities for:

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

➤ Civil Engineering Services



making it **happen**



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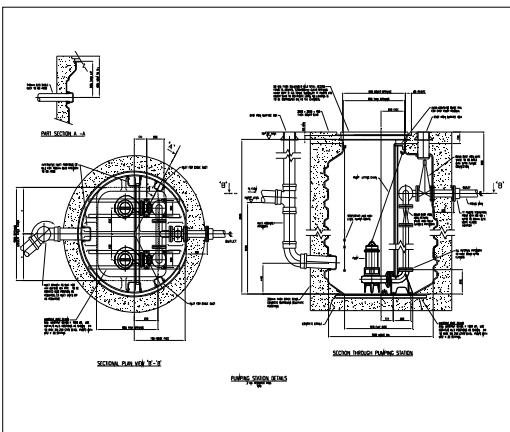
## Pre-Purchase Appraisals

KHP is regularly commissioned by our clients to prepare pre-purchase appraisal reports, as a means of identifying the risks in their developing a site and 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 wall 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, KHP has the experience and expertise to be able to deliver a diverse range of solutions.

Working within current legislation including, the 'Design Manual for Roads and Bridges', 'Manual for Streets' and local Highway Authority design guides, we 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.**

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