

Road and Drainage Design Capability Statement



Why Consider us for Infrastructure Design?

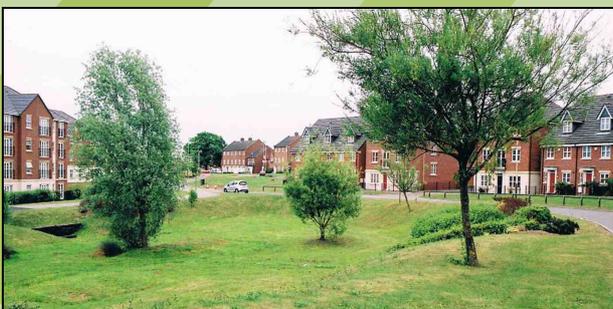
The LK Group aims to understand your projects, tailoring our Road and Drainage Design Services to your exact requirements. We offer no-nonsense, practical advice based upon years of supervisory experience, design and planning of highways and drainage construction. Our Engineers integrate designs that are both cost effective and practical.

We are experienced in Ground Investigations, Risk Assessments, and Constraints Reports that feed information into both the planning process and masterplanning. We have extensive experience of negotiating and reaching agreements with approving bodies, advising on solutions for documented or observed constraints to developments.

Services

We offer a range of guidance for Developers, Planning Consultants, Architects and Local Authorities, providing independent advice on development access to the road network, with design services for all aspects of internal infrastructure layout, including:

- Commercial Planning Advice
- Residential Infrastructure Design
- Commercial Infrastructure Design
- Feasibility Studies for Developments



The LK Group offers comprehensive solutions to road and drainage issues. We can identify an optimum scheme within a route corridor through careful consideration of earthworks materials, environmental limitations, land use, economic values and affordability.

Our Constraints Surveys make it possible (often before funds are committed) to demonstrate the commercial viability of a development early on, based on the likely cost of remediation or infrastructure.

We can ascertain whether the proposed development is likely to be consented, if it emerges that the required infrastructure cannot be adequately provided and managed.

You can avoid abortive costs by deciding whether or not to proceed with a planning

Outline Roads and Infrastructure Design

This phase of a project can be complex and benefits from our skilled Engineers who will complete the package of work on time and to budget, using both technical expertise and common sense.

For planning applications we will demonstrate how the site infrastructure can operate safely and how any effect of the development on others will be managed. We will consult with the Environment Agency, the Highways Authority, the Planning Authority, Drainage Undertaker(s), Internal Drainage Boards and others to obtain the relevant data and their requirements for development of the site.

During the process, the consultees may place requirements and restrictions on the scope of the development, such as access limitations, inclusion of flood defence works and provision of Sustainable Drainage Systems (SuDS) elements that restrict the area and form of the development.

For this reason it is important to start the consultation process early in the development programme. Any feedback can be included in the feasibility and financial modelling, avoiding unnecessary expenditure and loss of time.

Road and Drainage Design Capability Statement



Outline Roads and Infrastructure Design Continued

We provide the following services:

- Feasibility Studies
- Scheme Options
- Drainage and SuDS options.
- Technical Highway Design Checking & Review
- Geotechnical Investigation Interpretation
- Public Consultation

Roads and Infrastructure Design

The detailed design could either be firming up on previous outline designs for highways and drainage or considering the previous agreements and making the designs practical and cost effective.

We would use our experience to gain agreements with the approving authorities for any changes that are required due to new information or layout requirements.

3. Assistance with the production of Specifications, Drawings and other documentation, including liaison with other client advisors, to produce powerful arguments for planning.
4. Development of a Highway or Drainage Strategy and assessing the forms of SuDS suitable for the site.
5. Post application discussions with the EA, Water Company, and the LPA, and inputs to appeal or Inquiry.



The LK Approach

The LK Group can approach the outline design in stages to align with your risk management and decision making processes:

1. An initial data gathering and review, including discussions with major consultees, to arrive at a Constraints Report, setting out the identified constraints to development. (Often produced before purchase or during an initial feasibility assessment).
2. Detailed analysis, consultation and production of the outline design to accompany the Planning Application. (Often an element of liaison with the master planners and designers is desirable, to maximise site value.)

Further Information

For further information please contact Mark Jones on:

T: 0161 763 7200
E: m.jones@thelkgroup.com

OR

Colin Crompton:

T: 0161 763 7200
E: c.crompton@thelkgroup.com