



# DESIGN ENGINEER



## ABOUT THE ROLE

The Design Engineer will undertake the engineering design from land appraisal through to construction issue. They will have responsibilities for appointing appropriate consultants, agreeing fees in-line with budgets, liaising with statutory authorities, and ensuring that design sits within budget.

Responsible for: No direct reports

Responsible to: Engineering Manager

## KEY RESPONSIBILITIES

### 1. GENERAL

- Undertake the required highway and drainage designs for projects, to secure the approval of and, where appropriate, progress the adoption agreement with the relevant Statutory Authority.
- Ensure the earthworks required across a development is designed in the most cost-effective way possible.
- To achieve the most cost-effective solution to construct and service the site.
- Advise the Land & Planning department on the technical viability of new sites.
- Assist in the production of layouts and technical report for Land Appraisals; and required working drawings.
- Prepare outline engineering schematics for Land Appraisals.
- Conduct initial negotiations / enquiries with statutory bodies on environmental, drainage, highways and other engineering issues when appraising land.
- Brief and commission site investigations, topographical survey and other assessment reports on land acquired.
- Brief engineering consultants, when required on the scope of design so that all parties are clear and working towards the same goal.
- Answer Technical queries that may arise from other departments within the division.

- Contribute to improving the business, protecting, and enhancing the reputation of the company, by putting forward new ideas and, when requested to do so, implementing change.
- Be capable of knowledge sharing and checking work to support the development of less experienced members of the wider Technical team
- Liaise with other departments as required to ensure quick responses are provide to internal queries and the division maintains and improves its customer satisfaction scores.

Encourage feedback from site teams at all points of the build to improve the design and implementation of future schemes to avoid wastage and improve the engineered solutions.

Comply with all responsibilities as defined in the Group's Health, Safety & Environment Policy and ensure compliance with the same throughout the Engineering team.

Always ensure compliance with company policies, procedures, and instructions.

Implement new ideas and methods and continue to seek ways of both improving contribution to the organisation's goals and enhancing the reputation of the company.

Provide support to the Principal Designer to ensure full compliance with the Construction (Design & Management) regulations.

Built strong working relationships with site teams and Heads of Departments to ensure that schemes are constructed as intended.

Develop good working relationships with local authorities to ensure easy approvals and fast, marketable, economic house building and prompt adoption of the developments once completed.

## **THE PERSON**

### **What kind of person are we looking for?**

- Self-motivated and able to work effectively and efficiently to meet deadlines.
- Experience of producing civil engineering drawings for S38 and S104 packs (Roads and Drainage) Ideally in the residential sector
- Proficient in the use of Causeway design packages (PDS, flow), Micro Drainage and AutoCAD as well as Microsoft Office suite of programs.
- Innovative approach to solving problems.
- Capable of managing multiple competing priorities at the same time.
- Meticulous attention to detail.
- Proven experience in the production of value engineering designs.
- Organised in approach, and able to organise others.
- Ability to effectively communicate with people across all departments and levels within the business.

These are illustrative duties, and the job holder will be expected to become involved in a range of work to enable the department to respond effectively to the requirements of the Company.