Role definition

|  |  |
| --- | --- |
| Job title: | Engineer – Civil Engineering |

Role Overview and Key Purpose

|  |
| --- |
| **Role Overview**As an Engineer – Civil Engineering*,* you are expected to have a strong track record in one or, preferably, multiple sectors that BakerHicks operates in. You will ideally be working towards becoming a Chartered Engineer with experience of working on a variety of projects You’ll be part of an enthusiastic and committed team of Engineers and Technicians to deliver high quality output on projects. **Key Purpose*** Design and specify all aspects of our Civil Engineering works in accordance with current guidelines, standards, regulations and project deliverables
* Contribute to the development and mentoring of our Early Careers population and the continuous improvement of departmental capabilities
* Champion quality and compliance controls within local teams and projects
 |

Responsibilities and Accountabilities

|  |
| --- |
| **Responsibilities*** Provide engineering services design and consultancy work on behalf of Baker Hicks under the direction of the line manager or project lead.
* Produce design deliverables (including drawings, specifications and reports), site surveys, construction stage duties, client liaison with members of design/construction teams, project management, costing and ensure progress against the project brief
* Check calculations and production of detailed drawings to ensure engineering designs meet appropriate quality and compliance controls, project brief and customer requirements.
* Collaborate closely with multi-disciplinary members of the design team to deliver safe, efficient and buildable solutions.
* Contribute to the preparation of enquiry plans, tender reviews, fee estimate sheets, scopes of work and change controls as required.
* Undertake design of below ground drainage design (Surface and Foul Water) using Microdrainage.
* Undertake ground modelling and design levels using Civil 3D software.
* Design and specify external works for private and adopted schemes.
* Undertake flood risk assessments (Flood Zone 1)
* Apply for and obtain Water/Highways Authorities Agreements (i.e. S104, S106, S38/278).
 |

Knowledge, Experience and Qualifications

|  |
| --- |
| **Essential*** Degree qualified in Civil Engineering (or equivalent).
* Demonstrable experience of delivering projects in at least one sector that BakerHicks operates in.
* Confident communication and presentation skills with the ability to simplify the explanation of complex ideas.
* An ability to develop relationships with both internal and external stakeholders that deliver long term benefits.
* Considerable civil engineering design, technical detailing and specification writing experience.
* Proficient in the design of below ground foul and surface water drainage using Microdrainage software.
* Be fully conversant with the basics of CIRIA 753 (The SUDS Manual), Sewers for Adoption and other relevant British Standards and Eurocodes with respect to civils design and specification.
* Experience in design and specification of external works including site, earthworks and below ground utilities layouts and levels.
* Proficient in use of Civils 3D and AutoCad software for site, earthworks and utilities modelling and layout and levels drawings.
* Eligibility to pass criteria for security clearance required to work on sensitive projects.

**Desirable*** Chartered or Incorporated Member of Institution of Civil Engineers (or equivalent).
* Experience of delivering multi-disciplinary projects in several sectors that BakerHicks operates in.
* Experience of contributing to bids, proposals and tender submissions.
* Understanding of commercial elements of projects.
* Experience in the design and specification of industrial process drainage.
* Familiarity with DMRB volumes produced by Highways England.
 |