

Role definition

Job title:	Engineer – Civil Engineering
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Role Overview and Key Purpose

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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 design and consultancy services on behalf of BakerHicks 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.
- Be fully conversant with the basics of relevant British Standards and Eurocodes with respect to civils and structural loading, design and specification.
- Attend design courses and seminars and feedback to the rest of the department where required.
- Keep up to date with ICE training and CPD requirements.
- Represent BakerHicks in external project technical meetings as required.
- Review specialist subcontractors/suppliers calculations and drawings for technical compliance with design intent.

Knowledge, Experience and Qualifications

Essential

- Degree qualified in Civil Engineering (or equivalent).
- Working towards Chartered or Incorporated Membership with the ICE or IStructE (or equivalent).
- Demonstrable experience of working on projects in at least one sector that BakerHicks operates in.
- Confident communication and presentation skills with the ability to explain complex ideas simply.
- 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.
- Good knowledge 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.
- Eligibility to pass criteria for security clearance required to work on sensitive projects.
- Good knowledge in the use of Autodesk AutoCAD and Civil 3D for site, earthworks and utilities modelling and layout and levels drawings.
- Working knowledge BIM software including Autodesk Navisworks.
- Knowledge of CDM regulations.
- Knowledge of current UK technical standards/ publications and legislation requirements.
- Knowledge of standard details and solutions, and compliance.

Desirable

- 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.
- Experience in the design of above ground roof drainage.
- Familiarity with DMRB volumes produced by Highways England.
- Security clearance obtained.
- Full clean UK driving license.