Role definition

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| Job title: | Engineer – Civil Engineering |

Role Overview and Key Purpose

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| **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

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| **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

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| **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. |