

**Manchester City Council  
Role Profile**

**Engineer (Flood Risk Management), Grade 8  
Highways Service, Neighbourhoods Directorate  
Reports to: Flood Risk Management Team Manager  
Job Family: Technical**

**Key Role Descriptors:**

The role holder will undertake a lead consultant role on complex technical, procedural and legislative matters in a professional, customer focused, and specialist technical service.

The role holder will lead and have accountability for the delivery of a range of technical projects, initiatives or work packages that comply with relevant legislation and help achieve the Council's corporate aims and objectives

The role holder will use their technical knowledge and expertise to develop, design and implement customer-focused solutions. They will continually identify and champion opportunities to deliver improvement.

**Key Role Accountabilities:**

Lead an innovative, forward thinking technical consultancy function for the assigned service area, ensuring that solutions are delivered in line with customer and legislative requirements. Dependent on the service area, this may include software / information technology support, engineering, surveying, curating or other specialist functions.

Lead on the delivery of work packages (using project management methodology where appropriate), ensuring compliance with organisational objectives, consistency in approach and compliance with appropriate internal and legislative guidelines.

Actively strive to achieve efficiencies in project, programme and maintenance service delivery and improvements in the quality of service.

Develop successful internal and external relationships and secure stakeholder commitment through negotiation and communications, both oral and written, to ensure work packages are delivered effectively and to customer requirements and agreed objectives. Work closely with contractors where required to ensure effective work package delivery.

Analyse and interpret legislation, presenting information and complex technical matters relating to the service area in a clear and concise manner to a range of stakeholders, orally and in writing. This will include identifying and addressing complex issues and making informed recommendations on action needed to support key corporate objectives.

Represent the City Council as an expert witness at enquiries, tribunals and hearings or similar proceedings where appropriate.

Roles at this level may be required to manage a range of assigned resources, which may be human, financial or other, to ensure continuous improvement in service delivery. Staff management duties may be either through direct line management of a team (including appraisals, performance management and other duties) or through matrix management of a virtual team of officers.

Dependent on the service area, the role holder may be required to work on a rota basis including out of hours as required to meet customer demand.

Demonstrate a personal commitment to continuous self-development and service improvement.

Through personal example, open commitment and clear action, ensure diversity is positively valued, resulting in equal access and treatment in employment, service delivery and communications.

**Where the role holder is disabled, every effort will be made to supply all necessary aids, adaptations or equipment to allow them to carry out all the duties of the role. If, however, a certain task proves to be unachievable, job redesign will be fully considered.**

**Role Portfolio:**

The Highways Service is responsible for the leadership, management and delivery of all Highway related activities and functions that are involved in both management and improvement of the highway network across Manchester. The scale and ambition of the work planned in the city over the next few years, to deliver both the Greater Manchester Transport Strategy 2040 and national transport strategies, is huge. It will provide excellent opportunities for career development to the full range of professionals who support our schemes, across the full range of professional disciplines.

The service is under the leadership of the Director of Highways who is supported by three senior managers and thematic business areas as below:

**Highway Development** is responsible for working with internal and external partners to identify and develop the strategic pipeline of projects over the next 5 to 10 years in alignment with the City's plans and aspirations for growth. This includes the Development Control and Flood Risk Management team, allowing for strategic alignment of infrastructure changes across the capital and development programmes.

**Network Management** - responsible for Asset Management, acts as the Highway Authority, keeping the city moving and maintenance of the highway and contract management via the following functions - Client Officer and Policy Development, Development Control, Traffic and Road Safety Inspections, Maintenance and Contract Management and Maintenance.

**Design, Commissioning & Programme Management Office (PMO)** is responsible for the design and delivery of major projects (circa £150m over 5 years) and the planned maintenance programme, including direct delivery and contract management of the supply chain. The PMO is responsible for the production, management and maintenance of project reporting (and documentation) to provide assurance around programme and project delivery.

**Role Specifics:**

The Engineer (Flood Risk Management) will require a detailed understanding of the Flood Risk Management role and, in particular, the duties of a Lead Local Flood Authority in this subject area. The role holder will be required to oversee and manage the assessment of new planning applications as a consultee of the planning process, supporting the team in providing comments and recommendations to the planners within a set timescale.

The role of the successful candidate will include undertaking a senior role within a team of technical experts in assessing various planning applications and providing surface water management related comments on how a new development may impact on flood risk on and off site. The successful candidate will have detailed knowledge in sources of flooding and flooding pathways and

experience in evaluating hydrological and hydraulic calculations submitted to support the applications.

Detailed knowledge of National Planning Policy, MCC Strategic Flood Risk Assessment, MCC Core Strategy, Flood and Water Management Act and National Standards for SuDS are important for successfully delivering this role. Detailed knowledge of the types and design of SuDS, their feasibility of implementation and adoption is required. The role holder will also be expected to work closely with planners, applicants and developers at the pre-planning stage offering support and guidance on the flood risk management related aspects of various developments including responding to data requests online.

Requirements of this role include experience of ordinary watercourse consenting and enforcement. This role requires hydrological and hydraulic assessment of flood risk for works within watercourses for determination of land drainage consents including legal requirements for flood defence consents and enforcement. The role holder will be expected to give advice on work within ordinary watercourses, support the team in evaluating applications and issue official land drainage consents on behalf of MCC. Experience in condition assessment of hydraulic structures in accordance with Environment Agency guidance would be advantageous.

The role holder is expected to take a senior role within the team in investigating and reporting on flooding incidents in line with MCC flood investigation policy by attending areas of flooding on a reactive basis, supporting the Highways Maintenance Team and offering guidance, comments and recommendations. As this work includes working on sites, detailed knowledge of Health and Safety for working on site, including hazard risk assessments is essential. The role holder will also be expected to work closely with other flood risk management authorities so an understanding of their roles and responsibilities including the public as riparian owners is essential, as well as knowledge of application processes for obtaining grants to fund capital improvement schemes. The successful candidate is expected to liaise with the MCC legal team in relation to enforcement work relevant to flood risk management.

This role includes maintenance of and updating the existing flood risk management asset register. Detailed knowledge and experience in using ArcGIS, MS Access database and its linkage to ArcMap would be beneficial. As a minimum, processes for inputting and recording assets and flood risk datasets in accordance with Defra templates and requirements are required.

The successful candidate will be required to provide support in the preparation of reports and information for various committee cycles and to represent the service and City Council in relation to various Flood Risk Management matters and work closely with other flood risk management authorities (Untied Utilities, Environment Agency, Canal and River Trust, etc) to identify opportunities for joint schemes to reduce surface water flood risks and enable futureproofing related to climate change. Applicants should also have experience and a good understanding of working with ward representatives including local resident

groups, elected members, executive members and members of parliament. Also working with the overarching and wider policies.

## **Key Behaviours, Skills and Technical Requirements**

### **Our Manchester Behaviours**

- We are proud and passionate about Manchester
- We take time to listen and understand
- We 'own it' and we're not afraid to try new things
- We work together and trust each other
- We show that we value our differences and treat people fairly

### **Generic Skills**

**Communication Skills:** Is able to effectively transfer key and complex information to all levels of staff, adapting the style of communication as necessary and ensuring that this information is understood.

**Analytical Skills:** Ability to absorb, understand and quickly assimilate complex information and concepts and compare information from a number of different sources.

**Planning & Organising:** Excellent time management skills, creating own work schedules, prioritising, preparing in advance and setting realistic timescales for own self and others. Has the ability to visualise a sequence of actions needed to achieve a specific goal and how to estimate the resources required.

**Problem Solving & Decision Making:** Continually performs at high levels of achievement, demonstrating tenacity, energy and commitment to achieve desired results.

**Financial Management:** Ability to work confidently with financial data when making decisions: interpret trends, issues and risks in routine financial appraisals.

**Creative Skills:** Ability to find creative solutions where there are no existing parameters or procedural framework.

**Commercial Skills:** Demonstrates sound business intelligence and ability to identify commercially viable opportunities and secure value for money in service delivery.



### Technical Requirements (Role Specific)

- Must hold a minimum of an ONC / OND in Civil Engineering or another relevant subject, **and**
- Experience of working in Flood Risk Management in the private or public sector, with a background in SuDS design or SuDS assessment for planning applications.