Drainage Engineer, Sustainable Drainage
£33,106 - £40,619
1 Lancaster Circus, Birmingham B4 7DQ

Working 36.5 hours a week. This post is within Highways and Resilience, Drainage and Flood Risk Management. The purpose of this role is primarily to support the Council’s role as Lead Local Flood Authority, in particular in relation to our role as Statutory Consultee on the drainage elements of major developments and related powers and duties arising from the Flood and Water Management Act 2010.

You will be experienced in the following (but not exclusively):
- Design, operation and maintenance of sustainable and conventional drainage systems
- Developing policies, strategies and guidance documents
- Negotiating with Planning colleagues and developers to ensure an effective roll out of sustainable drainage in new developments
- Providing a 24/7 out of hour support to emergencies as part of a rota system
- The new duties of Lead Local Flood Authorities under the Flood and Water Management Act 2010
- Working flexibly as part of a multi-disciplinary Drainage and Resilience team

You will be a good communicator in all forms of communication

Diploma (or equivalent) in civil engineering or related field
And
Three years' experience of working in drainage design and analysis roles

OR

Degree in civil engineering or a related discipline
And
Two years' experience of working in drainage design and analysis roles

For informal enquiries please contact Clive Wright, Resilience, Drainage and Flood Risk Manager 0121 303 7235 or clive.wright@birmingham.gov.uk

Ref: D1512016J

Closing date: 23 September 2016

“Right to work in the UK documentation will be fully checked for all applicants. All non UK and non EU applicants are required to apply for a Certificate of Sponsorship from Birmingham City Council and must be approved by the UK Border Agency (UKBA) before any employment offer can be confirmed.”

“The City Council is currently consulting on potential changes to its terms and conditions (in line with its s.188 notice) which may have an impact on any contract of employment that is offered should the candidate be successful”
1. **Job Purpose**

To be responsible to Drainage Engineer, Policy and Strategy for:

1.1 Providing specialist engineering and management skills, knowledge and experience to a flood risk management team with special emphasis on the authority’s role as Statutory Consultee for the drainage aspects of major planning applications.

2. **Duties and Responsibilities**

Tasks specific to the Flood Risk Management service

(This list is not intended to be exhaustive and may change from time to time. The service provides a comprehensive drainage service and works as a team to provide the necessary varied skills and resources required to support the City Council).

2.1 Assisting in the leadership of a team of technical staff.

2.2 Assisting with the development of policies and procedures for the management of the drainage aspects new development.

2.3 Assisting with development of a long term strategy for improvements in surface water flood risk in particular and all forms of flooding in general.

2.4 Preparation of drainage related contracts and specifications. Investigating reported flooding or drainage problems and identifying causes and responsibilities.

2.5 Designing improvements and undertaking works to watercourses and flood defences.

2.6 Maintenance of watercourses that are the responsibility of the Council as Land Drainage Authority.

2.7 Introduction of innovative methods to flood defence and watercourse works with particular emphasis on environmental improvements.

2.8 Leading in the introduction of sustainable urban drainage systems and in developing the services responsibilities under the Flood and Water Management Act 2010.

2.9 Applying duties and powers under drainage legislation in the general management of land drainage.
2.10 Assessment of planning applications and the impact of development on watercourses as well as surface water including determining discharge criteria

2.11 Assisting with providing an out of hours response to flooding and drainage emergencies and general operational matters.

3. **Supervision Received**

3.1 **Supervising Officer Job Title**

Drainage Engineer, Policy and Strategy

3.2 **Level of Supervision**

Left to work within established guidelines subject to scrutiny by supervisor.

4. **Supervision Given** (excludes those who are indirectly supervised i.e. through others).

<table>
<thead>
<tr>
<th>Post Title</th>
<th>Grade</th>
<th>No. of Posts</th>
<th>Level of Supervision</th>
</tr>
</thead>
<tbody>
<tr>
<td>Snr Technical officer</td>
<td>4</td>
<td>1</td>
<td>Only on specific tasks as part of a team</td>
</tr>
<tr>
<td>Technical support officer</td>
<td>2</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

5. **Special Conditions**

- This vacancy is exempt from the Rehabilitation of Offenders Act.
- A Disclosure and Barring Service check will be undertaken.

Observance of the **City Council's Equal Opportunities Policy** will be required.
## The Place Directorate
### Person Specification

**Job Title:** Drainage Engineer, Sustainable Drainage  
**Grade:** GR5  
**Division:** Resilience and Local Engineering  
**Section:** Flood Risk Management

**Method of Assessment (M.O.A.)** A.F. = Application Form; I = Interview; T. = Test or Exercise; C. = Certificate; P. = Presentation.

<table>
<thead>
<tr>
<th>CRITERIA</th>
<th>ESSENTIAL</th>
<th>M.O.A.</th>
</tr>
</thead>
</table>
| **Education/Qualifications**  
NB: Full regard must be paid to overseas qualifications. | Educated to degree level with two years’ experience or Higher National level with 4 years’ experience in a related discipline and possessing or working toward professional qualifications | C/I    |
| **Experience**  
(Relevant work and other experience) | Experience of understanding feasibility studies demonstrating sound engineering judgement.  
Experience of the design and implementation of drainage related civil engineering schemes  
Experience of preparation of Technical Reports  
Experience of the supervision of capital or maintenance works  
Experience of the analysis of drainage and flooding problems and the identification of solutions and responsibilities  
Experience of hydraulic analysis of sewerage systems and open channel flows using current industry standard computer software (in particular Microdrainage)  
Knowledge and experience of responsibilities and legislation concerning drainage including relevant sections of the Water Industry Act 1991, Water Resources Act 1991 and Land Drainage Act 1991 in particular in relation to sustainable drainage systems, their design, operation and maintenance | A/I    |
| **Skills & Ability**  
e.g. written communication skills, dealing with the public etc. | Ability to co-ordinate resources within multi-discipline projects to meet time and cost targets  
Ability to discuss problems with customers and clients and assess responsibilities and solutions | A/I    |
| Ability to inspect and assess condition of SuDs assets and flood defence structures in accordance with Environment Agency criteria | A/I |
| Experience of negotiation of technical issues particular in relation to developers technical specialists and/or statutory authorities | A/I |
| Working knowledge of CDM regulations and their implementation, confined spaces and other relevant safety legislation and procedures | A/I |
| Experience of the design and implementation of water related environmental works and knowledge of the required consents and approvals | A/I |
| Experience of the principals and application of sustainable drainage. Analysis of planning applications in relation to drainage, including assessment of the impact of flows from development on watercourses and the effectiveness of flow controls associated with planning applications. | A/T |
| Experience of the analysis of drainage and flooding problems and the identification of the solutions and responsibilities and the preparation of detailed reports | A/I |
| **Training** |  |
| Should be able to demonstrate continuing professional development | AF/C |
| **Other** |  |
| Experience of managing one or more reporting staff would be an advantage | I |

All staff are expected to **understand** and be **committed** to Equal Opportunities in employment and service delivery.