

## JOB DESCRIPTION

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**Job Title:** Principal Public Health Engineer  
**Directly reports to:** Local Management Team  
**Location:** London

### Position Summary:

To lead the design and coordination of public health systems including sanitation, drainage, domestic water services and fire protection systems.

### Responsibilities and authority:

To have experience of the full design and construction life cycle within the specific field of Public Health Engineering, from concept design through to site installation, defects inspection and commissioning.

To have design experience in the following Public Health sectors:

- Domestic cold-water systems
- Domestic hot water systems
- Foul water drainage
- Rainwater drainage including blue roof attenuation
- Natural gas piped infrastructure
- Fire suppression systems including wet and dry risers in addition to commercial and residential sprinkler suppression systems (experience of British Standards, LPC required and NFPA desired). Experience of misting suppression systems.
- Sustainable systems and technology including solar domestic hot water, rainwater harvesting and grey water harvesting
- Site wide buried infrastructure design including utility connection applications
- Experience with BREEAM and Code for Sustainable Homes – specifically water related credits

### Education and Experience:

- Degree qualified preferable, but not essential if good track record and experience.
- Relevant professional qualification is essential and membership of CIPHE / SoPHE is desirable.

### Specific skills, knowledge, competencies and training:

#### Essential:

- Proven experience of project work including above and below ground foul and rainwater design, water services design, fire protection system designs, and natural gas designs
- Be able to successfully and efficiently identify time required to complete tasks and manage these tasks across various projects, meeting agreed deadlines.
- An articulate communicator with well-developed people skills.
- Excellent report writing skills
- Have worked through BSRIA BG6 stages 0-7
- Help mentor less experienced engineers to develop their public health and fire protection skills and knowledge.
- Work well and cohesively within the wider WW team
- Extensive experience across a range of medium to large scale projects and / or building types
- Have a keen and developing interest in sustainable design
- Be able to design and deliver public health engineering solutions on major and/or complex projects
- Experience of working directly with clients and end users
- Directly liaise with the wider project team, manufacturers and contractors as required to successfully deliver the public health and fire protection duties.
- Able to understand the balance of engineering priorities on differing projects
- Able to quickly develop successful client relationships
- Ability to work under pressure and meet strict deadlines is essential
- Excellent planning and organisational skills

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- Able to demonstrate strong commercial awareness
- Highly motivated and willing to take on new challenges
- Lead technical delivery for public health services within the London office

### **Desirable:**

- Experience of leading teams on multi-disciplinary projects desirable
- Knowledge of utilising REVIT
- Having prepared and delivered stage 5 construction information for contractors including invert levels and setting out
- Able to manage projects on behalf of Wallace Whittle