



## Profile

I started my career with JPP as a Junior Technician in 2007. After completing my HNC in Civil Engineering I went on to become a Technician Member of the Institution of Civil Engineers and a Member of The Chartered Institution of Highways & Transportation.

In 2017 I became an Associate and I am now responsible for leading one of our Infrastructure teams specialising in design of large residential schemes, affordable housing, industrial and commercial projects. My areas of expertise are in adoptable roads and sewers design, external works design and SUDS design of which I was Lead Engineer on the ICE Highly Commended Leicester Forest East Residential Scheme.

## Areas of Expertise

Highways Engineering  
Drainage  
Structural Engineering  
Quality Assurance

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## Relevant Experience

### Highways Engineering

Detailed design of highways schemes including access roads, junctions and roundabouts, preparation of construction specifications in relation to industrial, commercial and residential developments. Providing advice on development layouts including traffic calming, swept path analysis, flexible pavement designs.

Understanding the geometrical requirements and level of detail required for safe design. Following consultation procedures with adoption authorities in seeking and securing technical approvals in accordance with the Highways Act 1980, in particular under Sections 38 and 278. Detailing highway layouts, long sections and construction details.

Using design guides including Highways Agency DMRB and MCHW, TRL, Manual for Streets and British Standards.

### Drainage

Developing strategies for the management and disposal of storm and foul water, detailed design of main foul and storm water drainage systems for various construction schemes to include detention basins, infiltration systems etc. Following adoption procedures under the Water Industries Act 1991 including Sustainable Drainage Systems (SUDS), assisting in the preparation of Flood Risk Assessment reports to satisfy NPPF and gaining approval; from bodies such as Local Authorities and Environment Agency. Completion of SUR 1 and SUR 2 assessments for Code of Sustainable Homes.

### Structural Engineering

Detailing of trench fill foundation designs including depths and widths and preparation of foundation constructions details.

### Quality Assurance

Following the procedures in the Quality Assurance Manual for JPP to ISO 9001, ISO 14001 and OHSAS 18001.

### CDM

Assisting the Planning Supervisor and advising Clients on their obligations in respect of CDM, communicating information between Client, Principal Contractor and Designers to finally preparing a Health and Safety file for the Client.