

# Trade Park & Industrial Units



Location:  
Clifton Moor Industrial  
Estate, York, North  
Yorkshire



Client:  
IPIF



Architect:  
Ellis Healey



Value:  
£5m (approx.)



Civil Engineering

Structural  
Engineering

Building Consultancy

Geotechnical and  
Geoenvironmental  
Engineering

Project Management

Specialist services

---

Alan Wood & Partners were appointed by IPIF to provide geotechnical support, civil and structural design for 4 No. commercial units across 3 sites at Clifton Moor Industrial Estate in York.



The commercial units were all located on existing brownfield sites, and all strengthen the existing commercial property portfolio of IPIF to the area.

## Engineering and Design Factors

All the buildings consist of steel portal-framed structures supported on pad foundations, of which some were constrained by fire boundaries. A significant constraint was maximising lettable floor area, minimising costs and ensuring the project could be constructed with minimal impact on adjacent businesses. New foul water and surface water drainage networks, with restricted flows into the public system, were designed with storage provided within attenuation tanks to mitigate off-site flood risk due to the development.

## Description of the Works

Alan Wood & Partners were engaged to provide civil and structural engineering services and geotechnical / geo-environmental support including Phase 1 and 2 site investigations, earthworks specifications and remediation reports. Alan Wood & Partners were also engaged to undertake the site-wide drainage and external works design using the latest design software. Designs also included modifications to the existing adopted highway under a Section 278 agreement and design and detailing of new Traffic Regulation Order's required at the sites.

## Core services

Civil Engineering / Structural Engineering / Geotechnical and Geoenvironmental Engineering

---

## Sectors

Industrial, Manufacturing and Petrochemical