

## Case study

# IPIF Clifton Moor Industrial Units

Alan Wood & Partners (AWP) was 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.

All the buildings consist of steel portal-framed structures supported on pad foundations, of which some were constrado bases due to 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.

AWP 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. AWP 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 Orders required at the sites.



Location:  
Hull



Client:  
IPIF / Lindum York



Architect:  
Ellis Healey



Value:  
Approx £5m



Civil  
Engineering

Structural  
Engineering

Geotechnical and  
Geoenvironmental

Engineer /  
Manage /  
Deliver /