

Fulwood Business Park, Preston

Project Description Sheet



Location

Fulwood, Preston

Client

Carebuild Ltd

Completed

2005

Key Project Elements

Structural Design
Ground Improvement
Foundation Design
Masonry design
Steelwork Design
Composite Floor Design
Drainage design
Highway design

Carebuild Ltd have developed three phases at Fulwood Park in North Preston between 2000 and 2005. PSA Design have been involved in all three phases. Each development consists of 4 office blocks with associated access roads, parking and drainage system.

We provided infrastructure design for Phases 1 & 2 which are completed and occupied. The access roads and drainage were designed to adoptable standards with outfalls to the sewer system and adjacent watercourses.

On Phase 3 we provided the design for the infrastructure but also undertook the structural design of the office blocks. A steel frame construction was chosen on this phase with masonry cladding.

PSA specified ground improvement for the site prior to construction and designed pad and strip footings for the buildings. The steel frame was designed to maximise floor space and avoid internal columns. The first floor was designed and constructed using a steel & concrete composite floor. The steel frame carries a trussed rafter roof.

The drainage system for Phase 3 required storage facilities for surface water and a limited discharge to the sewer system requiring the use of a hydrobrake.