

Four Storey Apartment Block College Road, Crosby

Project Description Sheet



Location

College Road, Crosby

Client

Chelford Homes Ltd

Completed

Summer 2005

Key Project Elements

Design of Superstructure
And substructure
Suspended slab design
Masonry design
Drainage design
Risk assessment
Ground investigation and
monitoring
Pile and ground beam
design

The client, Chelford Homes, commissioned PSA Design to undertake all the structural design work for the new 4 storey apartment block. The apartments were constructed on the site of a former local government building which was demolished prior to re-development.

PSA undertook a desk study and supervised the ground investigation for the new building. The foundations were piled and we undertook design of the ground beams whilst supplying the pile loads to a specialist contractor.

The superstructure was designed with load bearing masonry supporting pre-cast floors. The design required the use of structural steelwork including the design of a tower feature to the roof structure.

PSA Design also undertook foul and surface water drainage design. External car parking design was also undertaken by PSA.

The site is located in the centre of Crosby and construction took place within a confined area with numerous services passing through the site.