

Rotherham Housing Grouting Scheme

Project Description Sheet



Location

Rotherham, Yorkshire

Client

GTG (NW) Ltd

Completed

July 2006

Key Project Elements

Phase 1 Land Quality Assessment
Ground Investigation
Grouting Design
Site Supervision
Retaining Wall Design
Structural, Highways & Drainage Design

PSA Design were commissioned to assess the ground conditions of the site of a former residential property in Rotherham, Yorkshire. The land was to be developed for luxury residential housing.

A desk study highlighted the presence of potential mine workings at relatively shallow depths. A ground investigation was designed and supervised using rotary coring techniques to assess the extent of the void within the Coal Measures rock underlying the site.

The investigation concluded that within the sequence of Coal Measures rocks there were potential void areas within the zone of influence created by the building structures.

For each individual house and garage a grouting scheme was designed to take into account the depth to and extent of the void from the borehole logs.

The site was situated on a steep slope and significant retaining structures were required.

PSA Design provided full design services for the site including retaining wall design, structural, highways and drainage works.