

Ground Investigation on Brownfield Site

Project Description Sheet



Location

Great Harwood,
Lancashire

Client

Gaskell Motor Bodies

Commenced

November 2004

Key Project Elements

Contamination Desk Study
Risk Assessment
Ground Investigation
Geotechnical
Interpretation
Foundation Design
Earthworks
Remediation Design

The site was to be developed for the purposes of constructing a steel framed building for a vehicle spray shop. PSA Design were commissioned to assess the ground conditions, the likely contamination and to provide recommendations for the foundation design.

The contamination desk study included an environmental report, historical map search, mining data, local authority held information, including historical gas data, existing borehole information, hydrogeological and geological profiles, service plans, aerial photos, a walkover survey and a hazard assessment.

The study highlighted that a previous land use for the area was as a local waste tip.

A ground investigation was procured, which included four shell and auger boreholes and a gas monitoring regime to satisfy the local authority.

The investigation provided information that was valuable in creating a conceptual ground model for the site area. PSA Design provided engineering parameters to enable the foundation design and a further hazard assessment and recommendations for highways and drainage issues as well as earthworks design and minimisation of waste disposal.