

Whalley New Rd, Blackburn Ground Investigation

Project Description Sheet



Location

Blackburn, Lancashire

Client

European Real Estates
Ltd

Completed

May 2006

Key Project Elements

Phase 1 Land Quality
Assessment
Industrial Profiling
Ground Investigation
Vapour Survey
Supplementary
Investigation
Phase 2a Interpretative
Report
Remediation Design
Land Asset Statement
Noise Assessment
Flood Risk Assessment

PSA Design were commissioned to assess likely contamination of the site of a former Brookhouse Cotton Mills Complex in Blackburn Lancashire. The land was to be developed for residential housing.

The site was investigated both for geotechnical properties of the ground, to aid foundation design plus a contaminated land assessment carried out in accordance with BS 10175:2001.

The various investigations concluded that the site was underlain by a stiff clay of glacial till origin. Made Ground materials were encountered in localised areas of the site, including basement infills within the lower terrace of the site. The Made Ground showed elevated levels of various inorganic metals, TPH and PAH.

The site is surrounded by residential and commercial developments, with the River Blakewater running along the western boundary of the site. Industrial Profiling was carried out due to the complex land use history of the site with detailed risk assessments due to the variety of potential hazard sources and pathways to the human and environmental receptors.

Investigation proposals were discussed and agreed with Blackburn with Darwen Council, which required various investigation tools and significant chemical testing to satisfy the regulator.

PSA Design provided design services for the site including geotechnical and environmental design, flood risk assessment and acoustic survey works.