

Residential Redevelopment – Investigation & Remediation



CLIENT : Developer

PROJECT TITLE : Residential Development

CONTRACT PERIOD : 12 months

ECUS was commissioned by a London based developer to undertake Phase I and Phase II site investigations for a former garage prior to redevelopment for housing.

The Phase I revealed the presence of underground diesel storage tanks, a landfill site in close proximity and the potential for shallow mine workings as well as general contamination issues potentially associated with a garage sites.

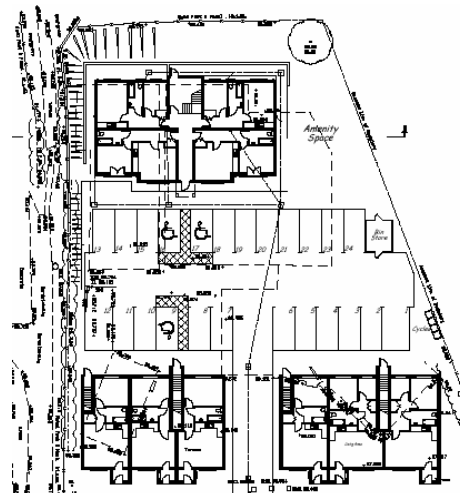
Rotary boreholes provided an overview of the ground conditions, proved an absence of shallow coal seams beneath the site and allowed combined gas and water monitoring wells to be installed.

Trial pitting provided near surface samples for contamination analysis. Chemical analysis of soil and groundwater samples collected was undertaken at MCERTS accredited laboratories.

ECUS oversaw the initial remediation work which involved the removal of the diesel tanks and associated contaminated soils, together with recovery of samples for validation purposes.

Through careful risk assessment, it was recommended that residual hydrocarbon affected material could be retained on site beneath hardstanding, with provision of combined ground gas and hydrocarbon-resistant membranes within building floors. The volume of material to be removed from site, and the associated cost, was minimised.

Site investigation and validation reports were produced to the full satisfaction of the planning authority, allowing the development to proceed to the client's specifications.



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**Investigation &
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