



PROJECT SUMMARY

Remediation of Former Filling Station Site for Exclusive Residential Redevelopment

Confidential Client, Nottingham.



KEY PROJECT ELEMENTS

- PHASE I ASSESSMENT
- GEOPHYSICAL IMAGING
- RISK ASSESSMENT
- LIASON WITH REGULATORY AUTHORITY
- PREPARATION OF METHOD STATEMENTS
- IDENTIFICATION AND TREATMENT OF JAPANESE KNOTWEED
- ON-SITE SUPERVISION
- INTERPRETATION AND REPORTING OF RESULTS
- SUBMISSION OF SUCCESSFUL SITE REPORT TO LOCAL AUTHORITY

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Conestoga-Rovers & Associates (Europe) Ltd (CRA) was retained by a property developer to design and supervise remedial works on a brownfield site in Nottingham. The Site was previously occupied by two former fuel filling stations, a car maintenance yard, a furniture store and caravan retail premises. The client was redeveloping the site for use as exclusive residential apartments.

CRA's initial Phase I evaluation included:

- A site walkover to assess the present condition of the site;
- Historical and regulatory data search;
- Assessment of environmental issues and liabilities based on existing site information.

Due to the risk of there being a number of unidentified underground structures, a geophysical survey was also undertaken to fully characterise the site. CRA then undertook a full risk assessment for the site to assess possible source-pathway-receptor linkages. The results of the risk assessment were discussed with the Local Authority who agreed to the proposed remediation strategy.

As well as site issues relating to the filling station activities, a significant growth of Japanese Knotweed was also identified for treatment in line with Environment Agency guidance. CRA prepared a full method statement for all the site works which included a soil vapour survey of the filling station areas. In total, eleven underground storage tanks were safely removed and contaminated soil was segregated and removed from the site.

All on-site activities were supervised by CRA and soil and groundwater chemical results were interpreted and reported in full. A site assessment report was then submitted, and accepted, by the Local Authority.