

# REMEDIATION AND ENABLING WORKS AT FORMER SCHOOL

## AT A GLANCE

### Client

Vistry Homes

### Remediation Value

£1.4 million

### Site Overview

Land earmarked for the development of 120 affordable homes on the land of the former Lockleaze school. Multiple contamination sources including asbestos, TPH and heavy metals were across the site. The client required us to be principal contractor to deliver a package of remediation, enabling earthworks, below ground structure demolition, geo engineering and specialist disposal of impacted materials to deliver a compliant site ready for redevelopment.



## CHALLENGES

- Site divided by a live bus lane.
- Close to two large housing estates and bordered by a pre school.
- Patches of active waste inclusions discovered during geo engineering.
- Visible and fibrous asbestos (chrysotile and amosite fibres) discovered in backfilled swimming pool.
- Site works began during winter months meaning long periods of inclement weather.
- Site won materials hard to process and engineer in wet conditions.
- Digging down to depth to remove redundant concrete piles, export contaminated material and engineer complaint fill to form a stable building platform.



## SOLUTIONS

- A fully managed site entry and exit system to ensure no material carryover and no hold ups for the bus lane.
- Sheetting down and covering of all contaminated excavated material to prevent any material leaving site
- Areas of asbestos contamination cordoned off with signage to ensure only suitably qualified personnel access the areas.
- A full stockpile and testing management system implemented to ensure only the correct materials are exported to cost effective facilities.
- Working in phases to allow timely handovers to the client and contractors to push the project forward.

## SUCCESSES

- All different streams of material exported to appropriate facilities for restoration or disposal.
- Recovery and reuse of site won materials including insitu stabilisation to avoid costly imports and exports that reduces movements around a residential area.
- Repurposing of land for much needed residential development in a growing city.
- Residents, business and transport links unaffected by works.

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