

Tanyard Lane



Client	Persimmon Homes Ltd
Date	November 2021
Programme	One visit
Value	£280K
Role	Site investigation principal contractor
Works undertaken	Rotary drilling, windowless sampling, in-situ testing, CMT installations, down-hole geophysics, laboratory testing, engineers' logs ,factual report
Geology	Made ground, Alluvium and Brownstones Formation

The Contract

An investigation was required to assess the categorisation of the site as “contaminated land” as defined under the Environmental Protection Act 1990: Part 2A Contaminated Land Statutory Guidance.

A potential risk had been identified from historical dry cleaning operations and creosote treatment to the surrounding environment.

The Challenge

Challenges were the risk of contamination; prevention of cross-contamination, the health and wellbeing of site staff and managing the requirements of the surrounding public. Further, artesian water was encountered.

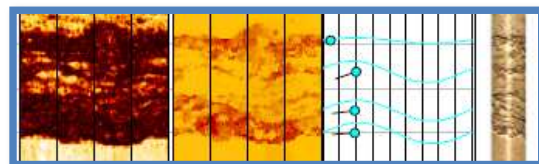
The Solution

An in-depth briefing and site-specific risk assessment and method statements allowed

the site team to be aware of the challenges associated with this site. The risk of contamination meant that the high hygiene standards, prevention of cross contamination and clean drilling methods were adopted. Installation of CMT systems, drive point piezometers and vapour monitoring wells were required for long-term monitoring.

On encountering artesian water our experienced drilling teams successfully contained the water using casing and bentonite. Safety zones were kept in place protecting members of the public and livestock from any potential harm.

Detailed geotechnical logging of the bedrock was required as the discontinuities were considered to control the migration of contamination.



The works were carried out using in-house drilling rigs and a sub-contracted geophysics crew. By demonstrating excellent technical knowledge and teamwork the crews were able to deliver outstanding site works, quality information and AGS data.

