

107 Cheapside, London

Our Services

- Desk Study
- Combined Geotechnical and Geoenvironmental Site Investigation



Geotechnical and Geoenvironmental Site Investigation

This redevelopment of part of a multi-storey office block with a three level basement, involved the demolition of part of the existing building and construction of a new 10-storey tower in its place. The basement was retained.

CGL was appointed to undertake an investigation at the site. This involved a desk study and intrusive fieldwork, which comprised the construction of 2 boreholes to 30m in a tightly confined basement location, together with contamination sampling from trial pits excavated by others.

The desk study indicated that the site has had a mixed office / commercial history, and had been subject to bomb damage during World War II. The building dated back to the 1950s.

No evidence of significantly contaminative uses was established. The geological map of the area indicated the presence of Langley Silts over River Gravels, with London Clay at depth.

The boreholes confirmed the ground conditions and also the presence of Made Ground to a depth of 5.6m. Groundwater was recorded at a depth of 6.65m below surrounding ground level.

Contamination testing indicated that there are no significantly elevated levels of contaminants in the Made Ground.

As the redevelopment included the retention of the existing basement structure, a piled foundation solution was recommended.

Client: Cameron Taylor