

Connaught Square, Birmingham

Our Services

- Desk Study
- Phase I Site Investigation
- Phase II Site Investigation
- Interpretative Reports



Geotechnical and Geoenvironmental Site Investigation

CGL was appointed by Scott Wilson to carry out a desk study and Stages I and II site investigations, with interpretative reporting, at a site with a long history of industrial usage in Birmingham.

The site comprises a city block of some 1.8 hectares with the River Rea flowing through it. The majority of the existing warehouse and commercial buildings are to be demolished and new commercial, residential and leisure facilities built, up to a maximum of nine storeys in height. Most, if not all, of the new buildings will be constructed with double basements below.

The Stage I and Stage II investigations and interpretative reporting were completed prior to demolition of the existing buildings. Stage I was to establish ground conditions and enable contamination assessment and waste classification. Stage II involved high quality coring to greater depth, with the main aim to

establish ground conditions for the design of deep foundations, piles and basement structures.

A review of historical maps revealed that by 1823, the site had been developed and numerous industrial buildings were in place. By 1890 a rolling mill, enamel works and public house occupied part of the site and the remainder was terraced housing. By 1898, glass and iron works were present and the central part of the site housed a bridge works. By 1937 about half of the site was covered by a pressed steel works.

Raised concentrations of heavy metals were found in the Made Ground deposits. However, groundwater testing recorded low concentrations. Advice on contamination remediation and foundations for the buildings and basements is being provided.

Client: Scott Wilson