

JVC Business Park, Brent, London

Our Services

- Supplementary Site Investigation
- Design
- Construction Supervision
- Validation
- Compliance Testing



Remediation utilising a Geo-synthetic Encapsulation

The JVC Business Park site has a long and varied industrial history and site investigations had revealed the presence of lime pits dating back to the 1930s. The site is adjacent to a sensitive SSSI and close to the Brent reservoir.

A containment system to encapsulate the lime pits was recommended and Cofra UK was subcontracted by Kajima to undertake its construction.

CGL was commissioned by Cofra UK to undertake a supplementary ground investigation comprising boreholes along the proposed position of the containment wall and to prepare detailed designs showing the ground profile and depth of the containment barrier.

A 290mm wide and an up to 8m deep channel was created and filled with a bentonite mix. A membrane was then inserted through the trench and into the London Clay beneath.

CGL also validated the installation of the containment wall and produced an *as-built* construction drawing.

The contractor made significant cost savings by using this containment system rather than dig and dump. It is estimated that it would have cost in the region of ten times more to dispose of the contaminated soil.

Client: Cofra UK

Contractor: Kajima Construction Europe (UK)