

10 Fenchurch Avenue, London

John F Hunt



Saxon Land



£11.2m



72 weeks

Project Overview

10 Fenchurch Avenue, located close to Fenchurch Street Station within a busy area of the City of London covering an area of 3,200m².

Demolition of six 22 metre high buildings. 10 and 12–14 Fenchurch Avenue along with 117 through to 120 Fenchurch Street were to be taken down to the underside of the existing single basement slab.

Both floor by floor and long reach demolition techniques were used for the various types of building construction and also to ensure minimum impact to the surrounding offices.



Installation and maintenance of split-level piling platform including extensive pile probing and phase 1 temporary works.

Careful excavation of the site between the existing pad foundations with MOLA in attendance, to a further 2m in depth and the subsequent filling, back up to a piling mat level.

Five live network sub-stations required constant protection to avoid excessive vibration.

Due to the sensitive location a 'Real Time' noise and vibration monitoring regime was installed immediately. Construction of 2no. large concrete culverts incorporating support decking to house the temporary substations and associated cables.

A demolition strategy to allow the Nat West Bank, located within the site boundary, to continue unaffected and operational during the demolition period.

Excavation of 45,000m³ basement to a depth of 8 to 10m. Design, supply and installation of 300t of raking & flying shores to piled wall.

Excavation of lift pits and caps including reverse blinding.

Challenges

Removal of substantial asbestos.
Installation of a complicated basement temporary works scheme to retain the stability of the existing perimeter basement retaining walls.

Removal of existing foundations to the perimeter of the site to allow for the installation of the secant piled wall.

Achievements

Design and installation of an enormous external façade retention system along Brushfield Street
Completion of the works with minimal disruption to neighbours and within programme.

Completing the project early for the client.

