

CASE STUDY

DUKE OF YORK SQUARE

KING'S ROAD

CHELSEA

allfoundations
Specialist Civil Engineering Contractors

Client:

Westgreen Construction Ltd

Site:

Duke of York Square, King's Road, Chelsea

CFA Piling

The Project:

As part of a refurbishment project the original, single storey, café was to be demolished to make way for a more aesthetically pleasing, 2 storey restaurant with a public roof terrace which would complement the prestigious surroundings in the Duke of York Square. The design of the new restaurant has already won a New London Architecture Award for its state-of-the-art design.



After an intense tender process to identify the main contractor to deliver this new establishment, Westgreen Construction Ltd were chosen due to their expertise in delivering successful projects of this type. Following their success Westgreen quickly contacted All Foundations (UK) Ltd to seek their advice on the piling aspect of the project.

After reviewing the information and visiting the site, All Foundations decided to utilise a CFA piling rig, a CM-50, to install the 92 No. 600mm diameter piles, which would make up the contiguous piled wall required for the basement.

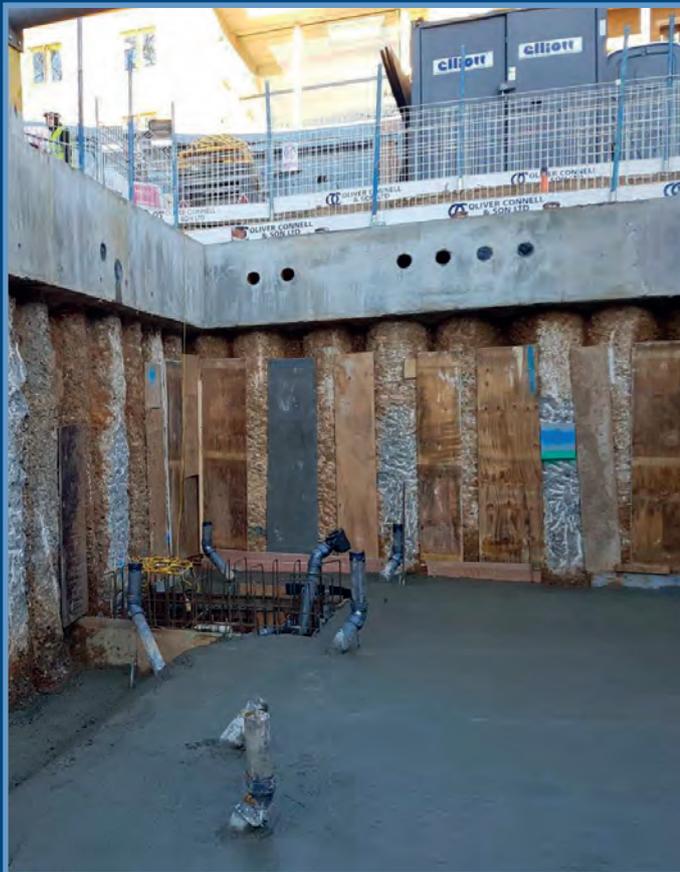
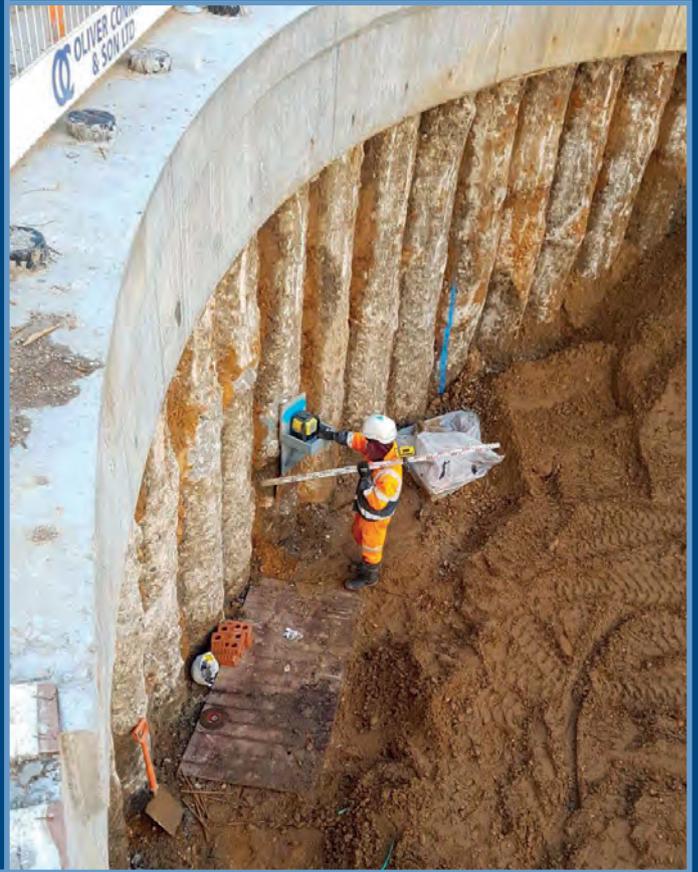
The CM-50 was identified to be the most suitable rig to install the piles due to the access restrictions and exclusion zones related to the site.

Due to All Foundations' significant experience of piling within London, a number of innovative measures were implemented to ensure that the project remained as cost effective as possible. These measures took the form of using a stronger concrete mix (C-40 strength) to ensure that the piles required could be kept well under the maximum depth of 13 metres, with the majority of piles only needing a depth of 8 metres. This reduction in length provided a significant saving on both time and cost for the project.

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The project was originally expected to take 3 weeks to place all 92 piles. Due to the experience of the All Foundations project team and site personnel, coupled with a state of the art CM-50 the entire piling operation took just 13 days.

Billy Wilkinson, Contracts Manager at Westgreen Construction, was impressed with the overall performance from All Foundations “The piling service and advice provided by the All Foundations team was professional and helpful, they were always quick to respond to questions and proactive in offering suggestions to improve the project. I would work with them again on other projects.”



Summary:

By approaching the project in an open and collaborative manner, All Foundations were able to quickly and efficiently apply their unique knowledge to the piling needs and submit a number of time and cost saving measures to Westgreen Construction. This enabled the project to be completed early and provide both Westgreen and their client, Cadogan, with a more cost effective piling process.

All in all the project went smoothly as All Foundations used their knowledge of the local ground conditions to pre-empt and negate potential delay causing factors and piling proceeded to plan.