

Hayes and Harlington Station

London

A number of major upgrades are being carried out by Network Rail at stations on this section of the Crossrail (Elizabeth Line) route in preparation for the start of services in 2020.



The project

Hayes and Harlington station serves the west London districts from Paddington Station to Heathrow and forms part of the Crossrail Package 3 upgrade which involves new trains, improved stations and easier, more reliable journeys for passengers in west London.

The challenge

Due to programme constraints and limited possession availability, our client wanted the most effective piling solution and plant that could be used to work within two metres of the rail infrastructure. This meant loading the rig onto platforms during night working and then installing 300mm & 450mm diameter Sectional Flight Auger (SFA) piles to the required design depths. With challenging ground conditions, works had to be modified while on site to ensure piles could be installed to the correct specification.

The solution

The installation of a number of 600mm, 450mm & 300mm SFA piles to support the construction of new platforms.

Project facts

Owner(s)

Transport for London
Network Rail

Keller business unit(s)

Keller UK

Main contractor(s)

Hochtief

Solutions

Bearing capacity / settlement control

Markets

Infrastructure
Rail

Techniques

Restricted access piles

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