

Napier Park

Luton

To allow for the construction of an 800-plot housing development in Luton, a sloped area of the site had to be plateaued to allow installation of a king post wall behind the housing plots.



The project

Completed over a number of phases, Keller installed over 400 linear metres of King Post Wall to allow some parts of the site to be developed. The bearing piles for the blocks of flats and houses were then installed using Keller CFA piling rigs.

The challenge

The main challenge was access for the king post wall works. Working in close collaboration with main contractor Redrow and their scheme engineer, Keller were able to organise the temporary works required for the safe and programme dependable installation of the king post wall solution.

The solution

Using our Soilmec SF65 piling rig, 750mm diameter bores were completed to a maximum depth of 15.0m into the chalk founding strata. Using the attending 50 tonne crane, our specialist king post operatives installed more than 200No. Steel UC sections in accordance with quality requirements to allow precast concrete panels to be installed to complete the retaining wall structure.

Project facts

Owner(s)

Redrow Homes

Keller business unit(s)

Keller UK

Main contractor(s)

Redrow Homes

Solutions

Slope stabilisation

Markets

Residential

Techniques

King post wall

Email address

foundations.uk@keller.com

Phone number

02476 511266