

Kingstanding Park

Client: ISC Contracting

Value: Circa £245,000

Duration: 4 weeks

Background:

As part of the construction of a major new distribution park in Royal Tunbridge Wells, we were appointed to design and install three kingpost retaining walls across the site. These retaining walls were required in areas where space was limited and where works were located close to protected trees, requiring a solution that was both space-efficient and vibrationless.

Kingpost retaining walls were selected as the most suitable option, offering a minimal footprint which minimises the excavation and working space required thus allowing installation to proceed safely without disturbing sensitive root structures. All works were carried out from piling platforms prepared by the client.

Project Detail:

Our scope included the supply and installation of:

- 45 galvanised steel kingposts
- Precast concrete panels to complete the retaining walls

The Installation of the galvanised steel kingposts was completed using a combination of our Klemm 708 CFA rig for the pre-drilling and our 30t Volvo excavator with the Movax sidegrip piling attachment mounted for driving the kingposts, this combination of plant provided the ideal solution for a site that had space limitations and required vibrationless methodology.

Once the kingposts had been installed we supplied and installed all of the precast concrete panels to complete the three retaining walls to the client's specification.

Ecology Considerations:

Our approach ensured full compliance with ecological requirements and protected all sensitive features within the working area.

Challenges & Solutions:

While most kingposts were installed efficiently using our excavator-mounted Movax sidegrip attachment, one section of the wall required significantly larger and heavier posts due to a high retained height.

The Movax alone could not safely lift these posts, so we adapted our methodology to include the use of a 40t crawler crane which we utilised to lift the large kingposts into position. The Movax side grip attachment was then used to complete precise final alignment and installation.

This combined approach allowed us to maintain productivity and ensure safe installation without delays.

Photographs:



