

# CASE STUDY

Kerse Road, Stirling  
Morgan Sindall/Network Rail



Client	Morgan Sindall/Network Rail
Contract Completion	June 2018
Contract Duration	16 days
Works Complete	CFA Piling

## PROJECT DESCRIPTION

We completed the work on a significant project for Network Rail to provide CFA piles to form the support for a new bridge over the railway at Kerse Road in Stirling.

Working to an exceptionally tight schedule, two teams worked in tandem on both the west and east abutments adjacent to the railway line between Glasgow/Edinburgh and Stirling.

With a project duration of just 16 days, our Piling Division delivered an impressive 88 CFA piles with a 600mm diameter to depths of 28.5m whilst ensuring the railway remained operational.

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## KEY CHALLENGES

- Our team worked in challenging conditions on this project, which included maintaining safe operating procedures and installation of CFA piles just 3 metres from the railway line between Glasgow/Edinburgh and Stirling.
- We overcame this challenge by installing a sheet pile wall to create a permanent barrier between the piling operation and the live railway line, and this allowed our team to carry out their work safely within a protected and designated work area.
- The team also had difficult ground conditions to overcome in order to successfully complete the project.

## PROJECT BENEFITS

CFA piling technology offers the ideal solution for projects in urban locations because it eliminates vibration and disturbance to adjacent structures. It also reduces noise emissions, and this made it the most appropriate and efficient approach to offer the best outcomes for the Kerse Road railway bridge project.

Using our CFA rigs means that we can offer the best and most cost-effective solution for our clients' projects across the UK. The success of the Kerse Road railway bridge project in Stirling relied on our team being able to provide a fast, efficient and safe delivery of our service whilst ensuring the railway line could remain open and operational.

Our knowledge and expertise, as well as our experienced site team and on-board technology, meant that we could also monitor our quality and performance real-time.

