

Scarborough Train Care Facility

Installing a contiguous piled wall to retain an embankment



AARSLEFF

Aarsleff Ground Engineering have completed on site installing a contiguous piled retaining wall for a new train maintenance facility in Scarborough.

The new train care facility will provide maintenance services including fuelling for trains operating to and from Scarborough. The facility will also be able to cater for 13 new five carriage trains to be phased into service over spring 2019. These trains will provide an additional 700,000 extra seats per year for outgoing and incoming trains into Scarborough station. An additional 15 jobs will also be created as part of the new facility.

Aarsleff were awarded the contract for the embankment stabilisation by Graham Construction, who were working in partnership with Network Rail.

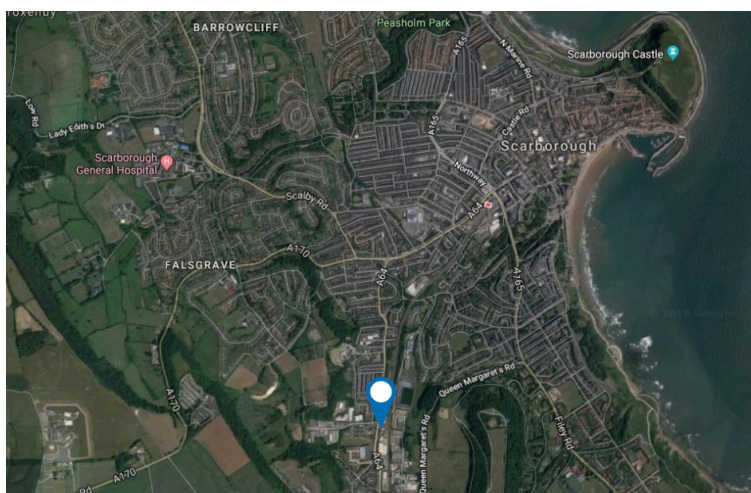
The embankment required stabilisation to prevent the risk of collapsing onto the North East Coast mainline. Working closely with Network Rail and Graham Construction,

Aarsleff utilised their Klemm 702 rig to install the 24no. cased auger contiguous piles. The Klemm 702 features a compact design and a low bearing pressure, which allowed Aarsleff to minimise the risk of the embankment collapsing whilst carrying out the works. The steel reinforced cages for the piles were also cut into shorter lengths than standard to prevent further risk of the embankment collapsing.

Aarsleff's specialist rig and methodology allowed the rail line to stay operational over the Christmas period, the busiest time of the year for the railways in the UK.

On the completion of the piling, Grahams project manager Daniel Kelm said,

"Aarsleff's site team were helpful. Their work on site was completed safely, both to a very good standard and within our set programme."



Data

24no. 400mm diameter cased auger piles

Main Contractor

Graham Construction & Network Rail

Equipment

Klemm 702

Putzmeister P11 mixer

Construction period

December 2018 - January 2019

Aarsleff Ground Engineering Ltd is the UK trading arm of Danish contracting giant Per Aarsleff A/S, and is one of the UK's leading piling and geotechnical design and installation specialist contractors; actively promoting early consultation to ensure each scheme can be Value Engineered to give clients the best service, quality design, safety and value. Aarsleff's strategy and philosophy of investment into the future has resulted in its wholly owned subsidiary Centrum Pile Ltd having the most advanced precast pile production facilities in the UK, producing segmentally jointed precast concrete piles to BS En12794 to Class 1A

Contact

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