

Churchdown Underbridge

Drilling soil nails to stabilise wing walls of an existing bridge



AARSLEFF

Aarsleff Ground Engineering have recently completed installing soil nails to repair and stabilise the failing wing walls on an existing bridge in Churchdown.

Contracted by Taziker Industrials, Aarsleff installed 20No. 30-degree R38-550 self-drilling galvanised soil nails varying from 6 to 10 metres in length into the wing walls of the bridge. Aarsleff was also contracted to install steel waling beams which were tied into the wall, providing stabilisation and preventing further movement. In addition, and on completion of the soil nailing, 12No. 65mm Weepholes were installed at a 5-degree incline using a marini mast powered by a 5-tonne excavator.

The project was part of Network Rail's CP5 Western Renewals scheme to refresh and renew the railway infrastructure across the country.

Aarsleff completed the works utilising a 5-tonne & 22-tonne excavator using both TEI Drill masts to drill the soil nails and the smaller Marini mast to install the required weep holes.

Scope of Works

20 No. Self-drilling soil nails
8 No. Waling beams
12 No. Weep holes

Equipment

22 tonne excavator with a
Marini and TEI drilling masts

Construction period

8th - 18th January 2019

Contractor

Taziker Industrials

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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