

Newport Pagnell, Tickford Street

Capping beam to complete sheet piling installation for residential development.



AARSLEFF

In February 2017, Aarsleff Ground Engineering worked for Redrow Homes (South Midlands) on the Newport housing development, where it provided the foundations for several houses, installing 408No driven precast piles and 1454 lin m of precast ground beam over a 13-day period. In August 2018, Aarsleff Ground Engineering have returned to the same site to complete the sheet piling works for a section of the boundary behind plots 67-72 and to the side of plot 72.

Specifically, Aarsleff Ground Engineering were on site from the 17th to the 27th July, installing a 62.6 lin metre wall comprising 104No 600mm steel sheet piles. The Arcelor GU13N piles were supplied in lengths up to 6m forming the permanent sheet piled wall with retained heights extending up to 2m; allowing for a surcharge load of 10kN/m².

Aarsleff's Volvo machine with Movax vibratory hammer worked at a maximum radius of 6m from centre of slew, unloading and driving the piles. A final 63lin/m bespoke Aarsleff capping beam was welded in place on top of the piled wall for a non-structural aesthetic finish. This was completed in a four day period after the sheet pile installation.

The project was finished to the client's satisfaction, and was

rated 'Excellent' by Redrow's Site Manager Darren Moore.

Scope of Works

104 No. 600mm steel sheet piles
Bespoke capping beam

Equipment

Aarsleff's Volvo machine with Movax vibratory hammer

Construction period

17th - 27th July 2018

Client

Redrow Homes

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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