

Hailsham Road, Herstmonceux, East Sussex

Installing a sheet piled retaining wall for a new residential development.



AARSLEFF

Aarsleff Ground Engineering were awarded the contract by WW Martin Ltd to design & install 436 linear meters of sheet pile retaining wall for a new housing development off Hailsham Road in Herstmonceux, East Sussex.

Commencing works on the 11th June 2018, Aarsleff provided a wall with retained heights of up to 6m to accommodate the existing sloping site & allow the housing development to be constructed behind.

WW Martin constructed a temporary piling platform for Aarsleff's 80 tonne crawler crane to operate from & allowed AGE to install pairs of Z piles using temporary guide frames as support until sufficient penetration in to the Wadhurst clay strata was achieved. Aarsleff then utilised a crane suspended high frequency vibro hammer to install the Z piles. Aarsleff also utilised its own Movax SG75 & Volvo based machine to install the remaining 133 No. 7m long GU8N sheet piles.

Taking delivery of over 550t of steel, Aarsleff installed almost a full range of Z profiles for this project, with section lengths ranging from 9.5m to 17m long to accommodate the site's varying retained heights from 2m to 6m.

Aarsleff's Construction Manager, James Wilson, said "The overall project has been a great success and it was a pleasure to work on a project with WW Martin Ltd. The sheet piled wall will allow WW Martin to build on a level surface without the risk of the embankment collapsing."



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Scope of Works

436 lin/m steel pile retaining wall
133 No. GU8N sheet piles

Contractor

WW Martin Ltd

Equipment

Aarsleff 80t crawler crane
Crane suspended high frequency vibro
hammer
Movax Volvo SG75 rig

Construction period

11th June - 10th August 2018

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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