

Deanfield Avenue, Henley-on-Thames

Installing steel sheet piles for residential development.



AARSLEFF

Aarsleff Ground Engineering were awarded the sheet piling contract by Oakford Homes to facilitate the construction of a new residential development and underground car park in Deanfield Avenue, Henley-on-Thames.

Main client Oakford Homes purchased the brownfield site in Henley-on-Thames for a highly specified development comprising a collection of 23 contemporary 1, 2 and 3-bedroom apartments. Acquired from a family-run removals firm 'Wilkins of Henley', the site is opposite the Henley College and within easy walking distance of the shops and restaurants in the thriving town centre, the railway station and the iconic River Thames.

Aarsleff Ground Engineering were on site for 7 days, installing 88 No AZ18-700 steel sheet piles of maximum length 10.0m to form a cantilever retaining wall approximately 61 l/m. Piles were driven approximately 800mm above the existing platform level with its ABI tm14/17 leader rig with a 22VV (variable monument) vibrio hammer. The wall, deemed as a highway structure, had to be designed to resist highway loading, with a retained height of 3.0m.

Aarsleff's sheet piling will also facilitate the construction of underground parking, to which the sheet piles will be exposed. Aarsleff's Construction Supervisor Joseph Mills said "This was a great project, and exceeding our clients expectations, we finished 4 days ahead of schedule".

Scope of Works	Equipment	Construction period
88 No. Steel Sheet Piles	50T mobile crane ABI tm14/17 Leader Rig with 925kN high frequency vibratory hammer	15th November 2017 - 22nd November 2017
Client Oakford 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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