

Queen Elizabeth Olympic park site, London.

Precast piles in for phase 1 of Chobham Manor, one of the first of five new neighbourhoods being built on the Queen Elizabeth Olympic park site.



AARSLEFF

Aarsleff Ground Engineering has completed the contract to pile phase 1 of Chobham Manor, a flagship Taylor Wimpey residential and commercial development project and one of the first of five new neighbourhoods built on the Queen Elizabeth Olympic park site, London.

Comprising around 850 homes, community facilities, shops and landscaped open public spaces, the development, which lies between East Village and Lee Valley VeloPark, offers residents world-class venues, cultural amenities and commuter access to the heart of London completely transforming the area as part of the ongoing Olympic-led East End regeneration.

Taylor-Wimpey awarded the piling contract to specialist piling contractor Aarsleff who, in addition to its vast experience on large-scale residential projects, also operate Junttan rigs with enclosed hammers, which contribute to the reduction in noise pollution.

In addition, the area that was developed used to be a landfill site and being so close to London may well have been subject to stray German aerial ordnance from bombing during WWII. With this ever-present consideration in mind, piling also had

to proceed alongside a specialist ground survey team, as the site of each pile had to be declared safe of unexploded ordnance before each pile was pitched.

Specifically, Aarsleff Ground Engineering drove some 380 precast concrete piles with sections measuring 250, 300 and 350mm², in lengths of 12-13 metres, to support the 259 properties – a mixture of apartments and various sized homes, which formed the first part of the multi-phase development.

Martin Bates, operations manager, Taylor Wimpey, said: "This is an extremely large-scale project requiring an enormous amount of scheduling and planning. It was also necessary to ensure that any environmental noise from the piling activities was kept to a minimum. Aarsleff's experience of working on such projects, as well as having the suitable rigs necessary to minimise noise made them a good choice."

Aarsleff Ground Engineering have loved being a part of this exciting regeneration project on the site of the Queen Elizabeth Olympic Park with stunning views of venues such as the Velodrome.



Scopes of Work

380 No. precast concrete piles with sections measuring 250, 300 and 350mm², in lengths of 12-13 metres,

Client

London Legacy Development Corporation and housing association L&O,

Contractor

Taylor Wimpey

Type of contract

Piling Subcontract

Construction period

September 2014 - July 2015

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 ser-

vice, 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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