

Preston Waste Water Treatment Works

Driving of precast piles for water treatment storm tanks.



AARSLEFF

Contractor JN Bentley awarded Aarsleff Ground Engineering the contract to supply, handle, pitch and install precast concrete piles, which will provide the foundation support to new storm tanks for the Preston Waste Water Treatment Works (wwTw) facility.

Aarsleff installed 1500no 250mm square driven precast concrete piles installed to depths between 19m-21m below ground level to support the new storm tanks. Piling in accordance with "ICE Specification for Piling and Embedded Retaining Walls", 2007, as produced by the Institution of Civil Engineers.

Aarsleff carried out initial preliminary trial piling and probing to the site including static load tests, dynamic load test and tension load tests.

Employing Aarsleffs Banut 700 and Junttan PM20L, the 2 rigs worked simultaneously for the majority of works on site. We maintained a fluid sequence during the piling works where we catered for the clients build sequence by working in 15m channels - allowing sectional concrete pour to take place. Although this was a challenging sequence to work with due to the limited operational space, Aarsleff coordinated well with JN Bentley Site Management to successfully install the piling foundations.



Scope of Works

1500 No. 250mm square precast concrete piles

Client

United Utilities

Contractor

J N Bentley / Mott Macdonald Bentley

Equipment

Banut 700
Junttan PM20L

Construction period

August 2016 - October 2016

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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