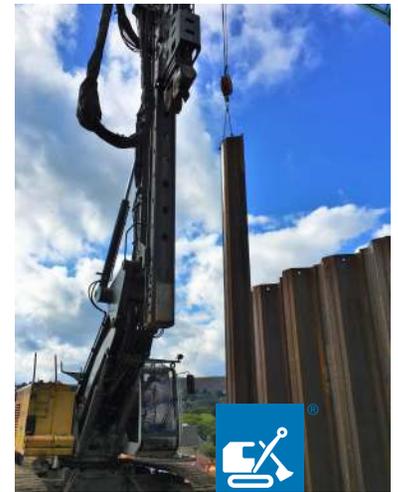


# Sheet piled retaining wall and driven precast piling, Mossley, Manchester



**AARSLEFF**

Aarsleff Ground Engineering have completed the multi-discipline ground engineering package for a new housing development in Mossley, Manchester. The new development, named Buckton View, sits off Earnshaw Clough and will comprise of 36 one to four bedroomed houses. The 1.76-hectre site sits on a hill, and so extensive ground works were required, making this project a challenging one due also to its restricted access. The construction of Buckton View was awarded to Construction Partnership UK (CPUK), who initially award Aarsleff the contract to install a sheet piled retaining wall for the project. Aarsleff started on site at the end of August installing 175 linear metres of AZ20-700 steel sheet piles to

create a 4m retaining wall to support the main access road into the new housing development. The steel sheet piled retaining wall was designed as a cantilever wall to allow for the road to be built to highway specifications. In addition to the sheet piling, Aarsleff were also awarded the precast concrete piling for the 36 plots. Aarsleff commenced work on site a day after the sheet piling commenced, driving 226 No. 200mm square precast concrete piles to an average depth of 7.5m utilising their bespoke Banut 300, a piling rig specifically designed for housing and restricted access sites in mind. The piling works were completed over two phases, with the second phase due in May 2019.



Aarsleff’s Operations Manager, Steve Gilbank, who oversaw both piling operations said, “Winning the retaining wall and the precast piling works at Buckton View allowed us to mobilise and coordinate two teams on site without disrupting the works of each other. This not only shortened the schedule of the overall works, but also provided a smoother handover transition once they were completed.”

Aarsleff’s Senior Technical Estimator, Ashley Carter, also commented “Since Aarsleff Ground Engineering diversified in 2016, we have been able to provide unique and value-engineered package solutions which other companies may not offer. Our bespoke offering for Buckton view allowed us to mobilise and coordinate different operations on site without distribution, reducing our overall time on site and allowing for CPUK to start construction quicker.”

“Having previously installed a sheet piled cofferdam for CPUK on the Rhenus Logistics headquarters in Port Salford, we are delighted to have been given the sheet piling contract for Buckton View.”

<p><b>Scopes of Work</b>                  226 No. 200mm square precast concrete piles                  175 linear metres of AZ20-700 steel sheet piles</p>	<p><b>Construction period</b>                  Phase 1: 28th August - 12th October 2018                  Phase 2: May 2019</p>
<p><b>Contractor</b>                  Construction Partnership UK</p>	<p><b>Equipment</b>                  Banut 300 Piling Rig                  Still worker Pile Press</p>
<p><b>Type of contract</b>                  Foundations subcontract</p>	

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**  
 Aarsleff  
 Ground Engineering  
 info@arsleff.co.uk  
 Tel 01636 611140