

Lawley Village

Driving of precast piles for new homes and commercial properties.



AARSLEFF

Just west of Telford, Lawley Village is a groundbreaking development combining a range of new homes with commercial properties, with a wealth of amenities including new and improved schools, shops, play areas and sports and leisure facilities.

Set in the heart of Shropshire, the development links country and urban, with stunning scenery yet connected through modern roads and rail links. Lawley Village is a consortium development, involving some of the UK's leading house builders including Barratt Homes, Charles Church, David Wilson Homes, Persimmon and Taylor Wimpey. Together they make up the Lawley Village Developer Group.

Initially Aarsleff was invited to tender for phase 4 of the 11-phase development, a part of the project, which due to ground conditions required a mix of steel tube and reinforced precast concrete piles to be installed. Time efficiencies and cost effectiveness were important factors influencing the choice of piling company to partner the developers and with variable ground conditions across the site, success on this fourth phase would potentially lead to further work as the project progressed.

This work took place between November and December 2012 and specifically saw 346 piles installed, which were a mixture of both steel tubes and 250 precast concrete piles. Following this successful phase of installation, Aarsleff tendered and was successful in winning the contract for phase 6, a 388-dwelling

project with the majority required to be piled. On phase 6 of the development, the scope of works to-date (Feb 2014) is 2565 piles installed for 236 plots – a mix of both steel tubes (814no.) and 250mm sq. precast concrete piles (1751no.), with steel tubes being used due to heave issues in locations where mature trees had run across the site.

Work on phase 6 commenced October 2012, with the project running through to the development of further construction phases, due for completion around 2015.

Stuart Meredith, Project Engineer Lawley Villager Development Group said, "Aarsleff carried out all the piling work in an efficient manner and in accordance with our build programme deadlines."

"With multiple developers Aarsleff have worked with consortium members to overcome the practical difficulties of piling where properties are developing at different rates in close proximity to each other" said Phil Tiley, Technical Manager Persimmon Homes.

Lee Perry, Technical Director Barratt West Midlands said: "In our experience on this project Aarsleff have performed as a professional and competent company." The success of Aarsleff and its precast concrete piling solution is proof of their benefits to housing projects and supports the sectors increasing adoption of the technique.



Scope of Works

Phase 4: 346 precast reinforced concrete piles
 Phase 6: 2565 precast reinforced concrete piles

Client

Lawley Village
 Developer Group

Equipment

Banut 700

Construction period

October 2012 – 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 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