

Hampton Gardens Secondary School, Peterborough

Driving of piles for the construction of a new secondary school.



AARSLEFF

Hampton Gardens is a brand new secondary school which is due to open in September 2017 and will serve the communities of Yaxley, Cambridgeshire and Hampton, Peterborough. The school will eventually accommodate 1200 students in Years 7-11 and 300 Post-16 students.

Aarsleff was awarded the ground engineering contract on behalf of main contractor Carillion to provide the driven piling foundations to support the main buildings. When complete, the school will include some outstanding facilities including a 3G All-Weather sports pitch, Amphitheatre and an impressive Learning Resource Centre which features a full height glazed wall.

Using its own Banut 700, Aarsleff installed 323no 250/300mm square precast concrete piles of 16m driven into very stiff ground. Due to the hard clay and the majority of made ground consisting of Pulverised Fuel Ash Fill (PFA), Aarsleff carried out Dynamic Load Tests before commencing with main piling works in order to take into account the negative skin friction in regards to pile capacity.

Aside from the main school facilities, the community will also benefit from Hampton Gardens' Sports Hall, Drama and Dance Studio and the external sports facilities.

Scope of Works

323 No. 250/300mm Driven
Precast Concrete Piles

Contractor

Carillion

Client

Hampton Gardens
Secondary School

Construction period

28th March 2016 - 22nd April
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

Aarsleff Ground Engineering
info@aarsleff.co.uk | Tel 01636 611140

www.aarsleff.co.uk