

Princess Way, Prudhoe

Drilling and grouting works for a new retail park in Durham.



AARSLEFF

Northumberland has a rich history of coal mining works dating back to the early 1800's through to the 21st century. Many of what were thriving mines have since been abandoned and require ground improvement to take place before constructing on the land above.

In Low Prudhoe, Newcastle, a new retail park situated off Princess Way is being developed by Robertson Construction. The new retail park will feature six food and non-food stores, two pub/restaurants, a drive-through outlet and over 350 parking spaces.

The Harvey seam, located in county Durham, was worked from 1902 till 1984 for coal used in houses. Coal and mudstone were identified in the ground investigation across various areas on the site, including signs of possible workings on the Harvey seam. These were located from 40m depths and beyond.

Robertson Construction awarded Aarsleff the ground stabilisation works across the site. At the beginning of September, Aarsleff commenced drilling and grouting works. A total of 299no. holes were drilled to average depths of 40m (max depth of 50m) to treat the Harvey seam. Over 1,780sq m of the site were treated with over 2,100 Tonnes of grout used.

Aarsleff utilised three of its drilling rigs to carry out the drilling and grouting works, which were completed on 25th October 2019.

Data

299 No. holes drilled
over 2,100 Tonnes of grout

Equipment

Krupp HB35
Casagrande C6
Klemm 806

Main Contractor

Robertson Construction

Construction period

27th August – 25th October
2019

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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