

Barnsbury Terrace, Swansea

Providing soil nails and ground anchors for gabion wall.



AARSLEFF

Aarsleff Ground Engineering were awarded the ground engineering work for Barnsbury Terrace, Swansea. Aarsleff were contacted when the originally installed gabion structure supporting the existing 10 meter height slope behind a row of new build dwellings began to bulge and the slope showed signs of distress.

Ground anchor and soil nails were adopted as the best solution to use. The ground anchors were installed through the gabions and in to a mixture of old retaining walls, fill materials and cobbles. Where the gabions had bulged, a top down construction was adopted whereby soil nails and a mesh covering were installed. Further excavations were then carried out to remove the loose fill materials, and the gabions were then rebuilt in front of the supported slope.

Access around the site was very difficult, so we used our Micro Drill Rig for the works and this machine is both very small and light, yet has plenty of power for drilling through the very varied strata.

Scope of Works

Soil Nails and Ground Anchors to existing (Installed by others) failed gabion wall

Equipment

Micro Drill Rig, Hand Held Rock Drill

Construction period

September 2009

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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