

Doublebois



AMCO



Soil Nailing



2021



11 weeks

Universal Piling were contracted by Amco to deliver a Railway Embankment Stabilisation project in Doublebois, Cornwall.

This slope stabilisation project was delivered by installing 963nr R32 soil nails, which varied in length from 8m to 12m. This was followed by the implementation of 2500m² of Tecco mesh, which was secured by soil nail spiked head plates.

Included within the project scope was 200m of remedial works to the (previously installed) Armco cess retaining structure, which involved drilling new anchors and installing water beams.

Due to the steep slopes and challenging access, which varied in steepness from 35 degrees to 45 degrees and up to 20m in length, approximately half of the works were installed with a soil nail mast mounted on a long reach excavator, working up slope from the existing forestry trail. To satisfy the needs of this project we developed to aluminium masts, to ensure weight on the long reach was not an issue and the heads had enough power to exceed production expectations. The remainder of the works were completed using a Euromach walking excavator with soil nail mast attachment, situated directly on the slope. All works were completed by rope access trained operatives.



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