



Volker Fitzpatrick



Slope Stabilisation



April 2024



10 Weeks

Universal Group were contracted by Volkerfitzpatrick to install Platipus Anchors and erosion matting to a cutting slope near to Farnborough Station.

Our Universal Piling team were mobilised at pace after slope monitors had detected movement to the cutting slope, which resulted in an immediate emergency speed restriction of 20mph being placed on the line.

The design determined the requirement to install 770no Platipus Anchors and 4000m² of erosion protection netting, all of which needing to be completed via rope access.

The team installed the net by first anchoring it in a trench at the top of the cutting, before abseiling down to install the anchors using handheld equipment. The anchors were driven to depths of 3m before being tensioned to achieve the design load.

All of the works were carried out whilst the railway remained open to traffic, meaning access was only available from the crest. Our in-house IRATA technicians carried out all of the works safely and on time behind a catch fence.

This was a fantastic achievement on a challenging project by all involved, the slope was 40m from top to bottom (in places) and with gradients of between 45-70°. All works were completed accident/incident free and on programme.



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