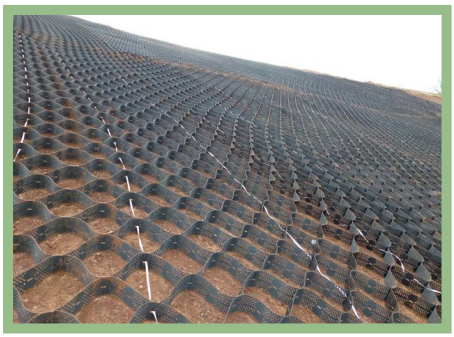
Greenfix

Soil Stabilisation and
Erosion Control Specialists

Case Study: Crediton Industrial Link Road A377 Devon

The approved route of the new link road required the excavation of 100,000m3 of material leading to the requirement of extensive embankment stabilisation. Due to the steep angle of the new embankments, the Geoweb® Slope Protection system was selected for use.

As part of the design, the Atra® Tendon Installation Method was specified which utilised the Atra Tendon Clip load transfer system to provide a safe and secure fitting. Tendons were securely anchored at the crest of the embankment with Atra® Anchors and then threaded through the I-Slot® in the Geoweb panels as they were expanded down the slope.



Atra® Tendon Clips transfer gravitational forces from the Geoweb cell wall to the tendon. The device engages securely with the Geoweb cell wall, allowing hands-free connection while securing the tendon. Once the 4500m2 of Geoweb was securely fixed to the slope infilling could commence using site-won material.

Infill was carried out from the crest of the slope to the toe following the Presto Geosystems installation guide. Controlled overfilling of cells was required to allow for consolidation and compaction of the infill. Geoweb consists of textured, perforated cell walls providing optimum interlock between cell walls and infill materials while significantly improving drainage. This was an important factor in considering Geoweb for this site due to potential flood risks in the local area.

Product
Geoweb® Slope Protection System

Contractor
Bam Nuttall

info@greenfix.co.uk | 01386 881 493 | www.greenfix.co.uk