

**Material: Geoweb® GW40V6, ATRA® Key, TP31 Tendons,
ATRA Anchor**

Date: July 2013 - November 2014

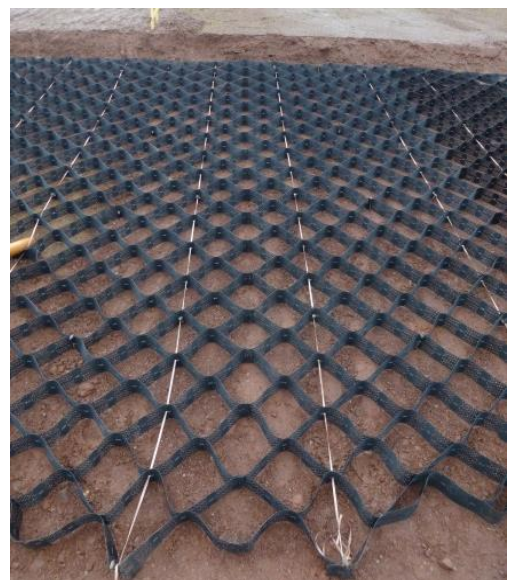
Embankment Stabilisation

Crediton Industrial Link Road to A377 Devon

The £7.75m scheme comprises a 760-metre single carriageway road from Wellpark roundabout on the A377 into the Lords Meadow Industrial Estate. The Link Road forms a key part of Mid Devon District Council's Air Quality Action Plan. It is also designed to reduce congestion and to support economic development. As the approved Hillside route required 100,000m³ of material to be excavated to form a cutting, extensive embankment stabilisation would be required.

Geoweb was selected for these works as the steep angle of the cutting meant that the patented Geoweb tendon load transfer system was ideally suited to provide safe, secure fixing.

The Tendon was securely anchored at the crest of the embankment by ATRA Anchors as specified in the Presto Geosystems installation guide. Tendon was threaded through the I-SLOT® in the Geoweb panels as they were expanded down the slope, and secured again at the toe.



**ATRA Key
requires only a
simple twist to
join
adjacent panels**

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ATRA Tendon Clips are load transfer devices to transfer slope gravity 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 due to the reddish colour characteristic of the underlying sandstone. Infill was carried out from the crest of the slope to the toe in accordance with 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 with diamond shaped indentations moulded into the surface of the cell walls providing optimum interlock between cell walls and infill materials while significantly improving drainage characteristics. This was an important factor in considering Geoweb for this particular site due to the positioning of the cutting and consequent water flow issues.

Vegetation will be carried out in accordance with the Environmental Statement prepared for Devon County Council by Jacobs Engineering.



Embankment in October 2014

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