12.01.12 CC Slope Stabilisation Trial, RAK, UAE

Al Jais is a Wadi in the heart of Ras Al Khaimah. A new road is being constructed by the RAK Government to allow tourist to reach the peak of the mountain range.

The Resident engineering Company is Halcrow and the contractor is GMC. The key issues for the road were the effect of large volumes of rain, which fall in a short period of time and in many cases only once every couple of years, causing the erosion of the slopes which in turn fall and block the road or wash parts of it away. Halcrow sought a fast and effective solution to creating gullies down the mountain side to channel the water. Due to the steepness of the slopes old fashioned methods of precast channels to pouring insitu concrete with form work and steel were difficult to implement and added significant time, potential for injuries and on costs.

Concrete Canvas offered an innovative solution to the problem which allowed a very quick implementation, reducing risks significantly by only needing to be pegged into the slope. No heavy equipment is needed, with the exception of the crane to allow the CC rolls to be laid down the slope. Once all pieces are in place water is poured down the gulley which then sets within 2 hours. The workers are roped off so they can work on the very steep slopes with relative ease.

For further information, contact:

Richard Thorne
Taffys International
Mobile : 07715584893
Email: richard@taffys.biz

Completed CC slope protection installed in under 1 hour

12.01.12 CC Slope Stabilisation Trial, RAK, UAE

Graded slope beneath culvert

Batched rolls of CC13 were used

The uppermost most CC layer was Hilti nailed to the top lip

Subsequent CC layers were screwed together

CC13 batched rolls being craned into position from road access

5 CC layers were installed in total

CC layer edges were fixed with ground pegs at overlapping joints

Once installed, the CC layers were hydrated from a bowser

+ 44 (0) 845 680 1908 info@concretecanvas.co.uk www.concretecanvas.co.uk