Case Study
Stratagrid SG200, Ekotex®10
A465 Heads of the Valley

As part of the earthworks programme on section 2 of the A465 Heads of the valley project, it was necessary to construct a temporary reinforced earth embankment for a river crossing for heavy construction plant. The application was further complicated by ecological issues with both bats and otters being identified in the immediate vicinity.

Working off a granular starter layer a 5.6m high embankment was constructed using selected granular material and Stratagrid Uniaxial geogrids. The face of the structure was achieved by placing a combination of precast concrete units and quarried stone blocks, both were connected to the geogrid using a frictional connection. Behind the facing a geotextile was placed for protection and separation. The finishing width was approx 7.8m providing a 5m road width and 1.2m walkway either side. Geosynthetics were able to provide an appropriate cost effective solution in a very short space of time which utilised products available for immediate delivery.

Geosynthetics provided a speedy professional service resulting in a cost effective solution for our temporary works.

Paul Morgan, Section 3 Manager A465