



Key achievements

- Complete Design, Supply & Installation solution
- Minimised importing of aggregates to lessen environmental impact
- Succeeded in meeting very tight programme and project deadlines
- Satisfied planning requirements for a soft, landscaped solution

• The project

With the ever expanding requirement for fast, easy air travel, the new Terminal 5 at Heathrow Airport was a much needed addition. As with any large scale development the planning stage was long and complicated. As the market leader in retaining structures and engineered slopes, Phi Group were consulted at an early stage to provide expert advice.

• The challenge

To facilitate access to the new terminal building, a new roundabout approach road was required. With slope angles from 26 to 64 degrees required, the Client BAA required an even change in face angle over the 140m length of the Textomur slope. The Textomur slope needed to be built in stages and interface with other structures such as the arched road portal. The face also had to have a high quality landscaped finish.

• The solution

The Textomur reinforced soil solution utilised the site won Terrace Gravel fill so as to minimise importing and removal of material to and from site. This material is placed and compacted around layers of geogrid to form the reinforced soil mass. The slope was then landscaped with shrubs to give an instant green face.

Application

Earth Retention

Technique

Textomur Reinforced Soil

Market

Airports

Client

BAA

Main contractor

Laing O'Rourke

Contract Value

£400,000

Keller companies

Phi Group