



Case Study

Cellweb® TRP

Location:

116 Roehampton lane
Roehampton
London
SW15 4HT

Client:

Downshire House
Roehampton University

Project:

Downshire House



Contractor:

Morgan Sindall



Geosynthetics Limited

Fleming Road
Harrowbrook Ind. Est
Hinckley
LE10 3DU
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www.geosyn.co.uk

Morgan Sindall approached Geosynthetics requiring correction work for their high trafficked roadway at Downshire House Roehampton University. The original road used a Geogrid with a 200mm surcharge of stone which wasn't suitable for such a high traffic area.

Geosynthetics Limited was able to visit the site and offer our 200mm deep Cellweb® TRP as a suitable solution to this problem. As the site was used for construction traffic it was extremely important to ensure that the product supplied could withstand the pressure of construction machinery passing over it on a daily basis. The original product was causing the vehicles to sink into the ground disabling any work to continue on site.

Cellweb® TRP is a 3D Cellular Confinement System that was originally created for use by the U.S army corp engineers to transport large vehicles across unstable terrain. Cellweb® TRP is available in a variety of depths. The 200mm deep is capable of supporting up to 60 tons of gross weight distributed.

Within 4 working days of the haulage road failing, Geosynthetics Limited provided a



full technical recommendation including calculations for the rebuilding of the road. As Cellweb® TRP is kept in stock at Geosynthetics delivery was processed and dispatched the same day.

This project was designed, supplied, installed and operational within 7 days. Geosynthetics Limited Engineering capabilities combined with stock availability made Geosynthetics Limited the perfect solution for the project.

“Our designed haul road was failing to perform due to the angular stone not binding. We needed an instant solution to provide a stable road where the construction traffic’s wheels didn’t spin or dig-in. Using Cellweb® TRP, and Geosynthetics range of services, we were able to utilise the existing stone to quickly provide a suitable haulage road.” Nigel Coleman - Site Manager



Rhyno®
Woven Geotextile



Interlock
Extruded HDPE Geogrids



Golpla Pregrown
Ready To Lay Paving System



Landlok
Turf Reinforcement Mat



Nicospan
Erosion Control



Geomembrane
Impermeable Membrane



Golpla
Grass & Gravel Paving System



DuoDrain
Composite Drainage Product



RockBox
Gabion Mattresses



2 in 1
Landscaping Fabric



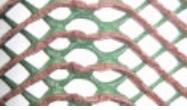
Gas Membrane
Radon, CO2, Methane,
Hydrocarbon Control



Alert
Contamination Indicator



Turfmesh
Grass Reinforcement



Trinter
Erosion Control Mat



Tenax
Soil Reinforcement Solutions



GeoGlas
Asphalt Reinforcement



Formpave
Permeable Paving System



Flexitex
Textile Shuttering



Bentotex GCL
Geosynthetic Clay Liner



Cellweb
Tree Root Protection



Fibertex
Non Woven Geotextile



Telegrid
Woven Polyester Geogrid



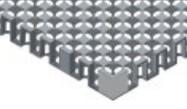
Envirogrid
Cellular Confinement Grid



East Coast
Biodegradable
Erosion Control



RoofCell
Sub Surface Drainage
And Water Storage



Ekotex
Non Woven Geotextile



Televev
High Strength
Woven Geotextile



T-Block
Modular Retaining System




Geosynthetics
Engineered Solutions

RootBlock
Root Barrier