



Case Study

Cellweb®



Location:

116 Roehampton lane
Roehampton
London
SW15 4HT

Client:

Downshire House
Roehampton University

Project:

Downshire House



Contractor:

Morgan Sindall



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® 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® 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® 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® 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, and Geosynthetics range of services, we were able to utilise the existing stone to quickly provide a suitable haulage road."


Nigel Coleman - Site Manager



Geosynthetics Limited

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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