



## Case

# STUDY

### STRATAWEB

M27 Junction 9 R/Bout  
Soil Retention



#### MARKET SECTOR:

Highway Infrastructure



#### LOCATION:

Whiteley Way, Fareham  
PO15 7BS



#### CONTRACTOR:

M J Church Plant Ltd / Skanska UK



#### MERCHANT:

Buildbase Ltd - Westbury

## The

# BACKGROUND

Geosynthetics Ltd were contacted by M J Church Plant Ltd who wanted to use the Strataweb Cellular Confinement system to retain soil on a vegetated slope they were constructing at M27 Jct 9.

## Our Client's

# REQUIREMENTS

A sustainable solution for soil retention on a vegetated slope

The team at MJ Church requested our advice and guidance for correct installation of the strataweb system, so we arranged a meeting on site to discuss the specific conditions of the project and provide our technical advice.

The slope was 9.6m high, with a slope angle of 1 in 2, for a total slope length of 21.5m. One of the main challenges of the project was that, due to restriction on site they had to install 4/5 of the slope first and the rest at a later date.



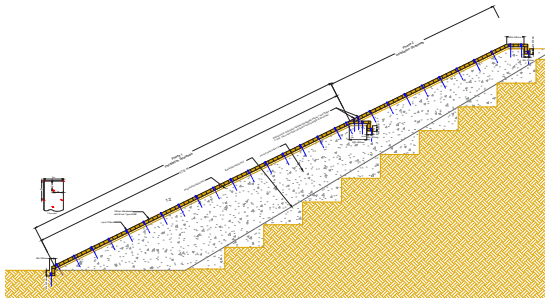


## Our Value Engineered SOLUTION

**Our Technical Team attended the pre-site meeting to provide advice on how to install the panels of Strataweb and join them together to cover the length of the slope.**

During the meeting we also discussed the right number of pins to use in this case and the location and size of the anchorage trenches, taking into account all the restrictions that the site faced. With this information, the engineering department produced site specific drawings providing the details for the installation of the Strataweb panels, following the construction sequence of the job.

Our materials were then sent to site on a 24-48 hour delivery. Our Technical Team were then on hand for any questions in relation to the installation. The Strataweb systems unique design makes it the perfect solution to retain the soil on the slope and create a rooting environment for vegetation to flourish, resulting in a natural green slope. Strataweb is made from HDPE, it's versatile lightweight but strong 3D cellular confinement system which eases the installation process.



**"All the way from initial procurement through to support on site the selection of Strataweb has been a success for the M27 scheme. The product is lightweight making transport around site easier, the installation process is simple and straight forward, and the off site support from Geosynthetics has been exceptional. They provided a first time user briefing to our site team, liaised with the project during early installation, and when we were faced with technical constraints due to the ground conditions and work sequence, they provided swift technical options to help maintain progress and integrity of the product for our client."**

**AIDAN BOYLE**  
M J Church

