

Project Info



January 2017



CC5™ Bulk Rolls



2787m²



Longitudinal layers



Rossville, Tennessee, USA



Hulcher Services Inc.



CC5™ was used to provide protection to a slope previously lined with riprap at a rail intermodal facility

MILLIKEN INFRASTRUCTURE™
A Milliken COMPANY



Installation of CC5 on a slope in Rossville, Tennessee

In January 2017, Concrete Canvas® GCCM* (CC), branded Concrete Cloth™ in the US, was used to provide slope protection in Rossville, TN in the USA.

A rail intermodal facility in the southeast had an existing steep slope armoured with riprap which had deteriorated over time. A section of the slope had become difficult to maintain, with standard practices falling short of regulatory requirements. As a result, the client began to look for alternative solutions which could not only protect the slope but provide protection to its surface and prevent saturation. Having previously heard of CC, the client opted to use the material for the project, determining that it would provide the slope with the protection required while reducing overall maintenance and regulatory concerns. The works were carried out by Hulcher Services Inc., with design support from Milliken Infrastructure.

CC5 was specified for the project and was delivered to the site in bulk rolls. The material was laid longitudinally down the slope, from crest to toe. Subsequent layers of CC were overlapped by 100mm and jointed using percussion earth anchors, which were also used to fix the material edges. The edges were then captured in anchor trenches prior to backfilling.

In total, approximately 2787m² of CC5™ were installed at rates of around 557m² per day. To this date, the client is very pleased with the installation and has acknowledged CC as a viable option for use in future projects.

*Geosynthetic Cementitious Composite Mat

