

Project information

-  August, 2017
-  CC8
-  250 sq. m CC8
-  Slope protection
-  Cobourg, ON
-  5 Persons
-  Installation took 1 day to complete



In August of 2017, 125 sq. m of Concrete Canvas (CC) GCCM, 8mm bulk was installed by Aecon Construction, for the MTO, to seal behind a Retained soil System (RSS) wall. The was was located by an off ramp on the 401 highway of Hero's in Cobourg, ON, where surface water had been penetrating through the ground behind the RSS wall, flowing out through the wall joints and onto the ramp road way surface causing extremely dangerous conditions for drivers in freezing temperatures.

A previous constructed rip rap and geotextile intercept ditch had failed to stop water penetration, resulting in the continued dangerous driving conditions for motorists.

Due to these continuing safety issues, it was decided that CC would be installed to try and stop water penetration and direct water flow down to the highway ditch. CC was also chosen due to the limited site access and accessibility.

Prior to installation all rip rap and vegetation was removed from the area. The soil was then compacted to provide a solid and even substrate. Using 4 installers and 1 excavator operator the CC was laid longitudinally up the slope running behind the RSS wall.

It was joined on the seams using SikaFlex 1A sealant and a spike at every 30cm.

Rip Rap was then placed on top of the CC using the excavator prior to hydration. The total installation took 1 working day to complete.

Customer comments:

"We watched the product being installed and it appeared to be easy to work with. The Ministry of Transportation could have some significant uses for this product in the future if this project in Cobourg is a success"



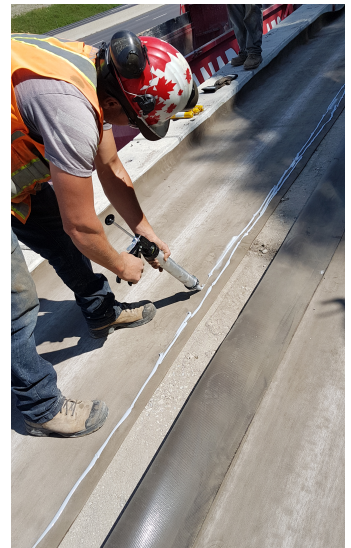
Site prior to installation



Removal of all vegetation and ground prep



Longitudinal installation of CC



Sealant used to seal joints



Rip Rap placed on CC prior to hydration



Completed rip rap placement



Top section joined to lower section in an L shape



Completed installation