

## 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 8mm bulk roll Concrete Canvas (CC) GCCM, was installed by Aecon Construction, for an MTO project, to seal behind a Retaining Soil System (RSS) Wall located by an off ramp on the 401 highway in Cobourg, ONT. Here, surface water had been penetrating the RSS wall, flowing out onto the road surface. The existing rip rap and geotextile intercept ditch was failing to hold water back, causing extremely dangerous conditions for drivers in freezing temperatures. To address this serious safety concern, CC was installed as a ditch lining solution to help redirect water flow from the road to the adjacent ditch. It was chosen for its ease of use considering site access, and ability to be installed with little impact on traffic.

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"







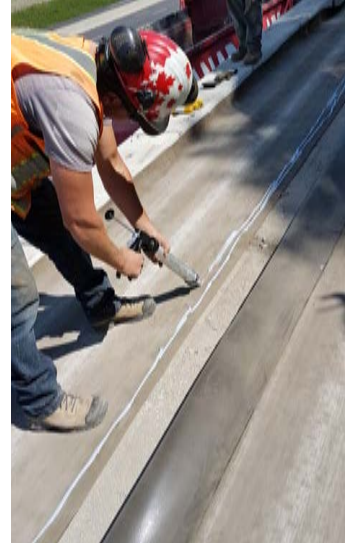
Site prior to installation



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