








-  August, 2019
-  CC8 Bulk
-  875 Sq. m
-  Transverse
-  Vermillion, AB
-  Atco Pipelines
-  Slope protection



This project features 8 mm bulk roll Concrete Canvas® (CC) Geosynthetic Cementitious Composite Mat (GCCM) used in a slope protection application for a compressor station in Vermillion, Alberta, Canada. The installation was completed by Titan Environmental Containment for Atco Pipelines. A total of 875 m² was installed by a team of only four installers in a 10-hour day, proving the product's rapid installation rate (10 times faster than conventional concrete).

Originally, a plastic liner was considered for this project, but CC was chosen due to site access limitations, its rapid installation rate, ease of installation, and high-performance life (120 years). Site preparation work included clearing the vegetation from the slope and fence line, and filling all voids. The rolls were then laid in a transverse direction using a zoom boom with spreader bar and were cut to required length with a simple utility knife.

Next, the overlap joints were sealed with Soudaseal sealant and secured using 20mm screws at 200mm intervals along the overlaps. Lastly, CC was hydrated using a 5,000-gallon mobile water truck with a 2" pump and fire hose.

This was a repeat order from Atco Pipelines and a highly successful installation with CC meeting and exceeding all expectations.



