

Project Info



September 2017



CC8™ Batched Rolls



20m²



Transverse layers



Tasmania



Undisclosed



CC8™ was specified as a rapid solution for a repair an eroding inlet to an existing drainage pit.



Completed installation

In September 2017, Concrete Canvas® GCCM* (CC) was used to repair an eroding inlet to an existing drainage pit in Tasmania. The client, a local government authority, required a quick repair to the inlet.

As the ground conditions were slightly unstable, and the soils prone to dispersion, alternative erosion control options such as turf reinforcement mats or erosion control blankets were ruled out. A poured concrete slab had initially been specified, however, the contractor was aware of GCCMs following discussions with a local supplier and was interested to trial CC in an innovative solution which could save their client time, and prove more cost effective.

Following discussions with Geofabrics, (Concrete Canvas' sales partner based in Australia) the contractor decided to specify and use two batched rolls of CC8™, reducing wastage and providing easy on-site handling and transportation.

Works began with profiling of the channel, before delivery of the CC batched rolls to the site. The CC was transported and positioned by hand, with the material laid transversely to the channel, with subsequent layers overlapped by 100mm in the direction of water flow. Anchor trenches were created on either side of the inlet, and the CC pinned using 380mm anchor pegs. Overlaps of CC were fixed using stainless steel screws and an adhesive sealant approved by Concrete Canvas Ltd. Once installation was completed, the material was hydrated and the anchor trenches backfilled.

A total of 20m² of CC8™ was installed in half a day by a small crew. Following the success of the project, the local council is looking to continue its use of CC on a longer section of the same drain.

*Geosynthetic Cementitious Composite Mat

