**INSTALLATION GUIDANCE:**

**GROUND PREPARATION:**
Preparation of substrate: CC will conform closely to the underlying surface contours of the ditch profile, therefore any vegetation and sharp or protruding rocks should be removed. The ditch should have a uniform profile for ease of future maintenance. If installing on soft ground, a compacted layer of granular fill can be placed in the invert to create a solid substrate.

Anchor trench: IMPORTANT NOTE: CC requires an anchor trench to prevent undermining from surface water run off and provide a neat edge termination.

**INSTALLATION:**
Unpacking: Remove the packaging and unroll CC into the ditch profile ensuring the fibrous top surface faces upwards, with the PVC membrane in contact with the ground.

Cutting: Use a 'snap-off blade' utility knife for cutting CC before it is hydrated or set. Allow 15-20mm from the cut edge due to potential loss of fill. A powered disc-cutter or angle grinder can be used for repeated cutting.

Positioning and fixing: Ensure there is at least a 100mm overlap between CC layers.

**CONCRETE CANVAS DITCH Lining LONGITUDINAL CROSS SECTIONS**

**CONCRETE CANVAS LONGITUDINAL LAYUP ISOMETRIC VIEW**

**CONCRETE CANVAS ANCHOR TRENCH FIXING DETAIL**

**CONCRETE CANVAS CROSS SECTION**

**CONCRETE CANVAS ANCHOR TRENCH DETAIL**

**CONCRETE CANVAS SCREWED OVERLAP JOINT**

**NOTES:**
Ditch liner to be Concrete Canvas Geosynthetics, Compositious, Composite Max (CC).

**SPECIFICATION:**
CC Type: CC9

*Thickness: 9mm

Dry density: 125g/m²

Compressive strength
(ASTM C109 - 02 (Initial crack))
40MPa

Abrasion resistance
(EN 52185; Max 0.1g/m²)

Milling value
(ASTM D6665; <0.011)

Chemical resistance
Acid, Alkaline, Hydrocarbon, Substrate resistance (BS EN 14414): CC to pass minimum requirements

Ageing test: Freeze-Throw, Soak-Dry, Freeze-Throw, Water Immersability
(BS EN 12467:2004): CC to pass minimum requirements

**TITLE:**
CONCRETE CANVAS DITCH Lining
LONGITUDINAL DETAIL

**DRAWING NUMBER:**
CC-L-DLL-001-REV2

**DATE:**
31 JAN 2017

**REVISION:**
0

**SCALE:**
N.T.S.

**PRODUCED:**
VM

**CONCRETE CANVAS LTD**
UNIT 12 BLOCK A, SEVERN WAY, TERRYPOND INDUSTRIAL ESTATE, PONTYPRIDD.
CF38 3NE
T: 01443 483 188
F: 01443 481 608
E: info@concretecanvas.com

**CLICK TO SEE DITCH Lining ANIMATION**
**CLICK TO SEE BEST PRACTICE INSTALL**
**CLICK TO SEE REQUIRED EQUIPMENT LIST**