

12.02.10 Case Study : Edale, Derbyshire

In February 2010, a section of the embankment along the high speed train line from Altringham to Chesterfield was at risk of destabilising due to surface water run-off from surrounding fields. Network Rail needed to resolve the issue quickly with minimum disruption of services and time on site for contractors. A further issue was the limited access due to the proximity of the train line and adjacent farmer's field.

Based on the success of previous ditching trials, Network Rail decided to utilise Concrete Cloth to upgrade and line an existing trench. The waterproof membrane of the cloth effectively captures rain water run-off and quickly acts to stabilise embankments suffering from water ingress. The cloth was supplied in man-portable lengths to overcome issues of plant access. In total, a 110m length of ditch, incorporating including land drains and sections of varying width and profile was installed.

Concrete Cloth minimised the time on site, saving cost and improving safety for personnel.

