

Pewsey Rail Embankment



KEY DETAILS

PROJECT NAME :	Pewsey Rail Embankment
CLIENT :	Birse Rail for Network Rail
LOCATION :	Pewsey, Wiltshire
PROJECT CATEGORY :	Rail, Slope soil erosion control

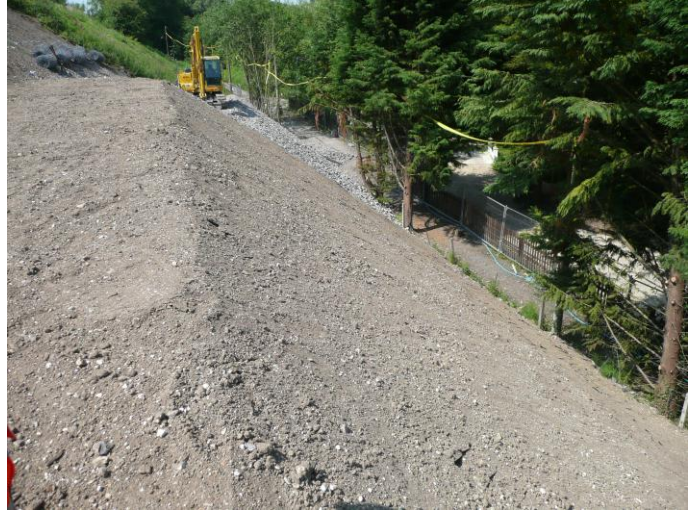
A rail embankment had slipped and was reinstated with soil nails providing geotechnical stability. Birse created working platforms with imported stone and then used a soil cell system to retain about 150mm depth of soil on slopes up to 43 degrees.

In order to prevent soil erosion and allow vegetation to rapidly colonise the area, Salix applied HydraCX to the soil surface. HydraCX acts like a spray on erosion control blanket and is a higher performing, less expensive alternative to installing short term erosion control geotextiles in steep slope situations. It has many advantages over these geotextiles, such as ease of installation with less Health & Safety issues of working on steep banks and quicker germination of seed.

HydraCX also ensures direct contact of seed to the soil and can be applied in areas with poor surfaces such as voids, existing tree roots or vegetation and rock outcrops. Often, geotextiles can be detrimental to vegetation establishment due to poor ground contact or the “tenting affect” of applying them over difficult surfaces. This is not an issue with HydraCX.



43 degree slope



Soil filled cells



HydraCX in direct contact with soil



Fully vegetated within two months

CONTACT DETAILS

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