

Surface Drainage; Westmount Quarry, Jersey UK.



SmartDitch T-Junction and edge protection



Installation with lateral flow edge protection



View from the bottom of the quarry during construction



SmartDitch being installed on the crest to catch runoff

The SmartDitch Trapezoidal Ditch Liner System is a virtually leak-free channel lining system engineered to control and direct the flow of water or critical fluids. Made from proven UV resistant HDPE, SmartDitch's unique corrugated design helps regulate the flow of water from flat to steep grades so that the drainage and flow patterns designed are maintained. SmartDitch Trapezoidal sections are light weight and come in lengths that make it easy to handle and install.

Finished in late 2014, SmartDitch provided the perfect solution to a surface water drainage problem at a former quarry site in Jersey. The site was to become a Housing Development.

As part of the development a new rock slope was constructed, together with a number of SmartDitch channels, including a surface water channel on the crest of the quarry.

Although concrete alternatives were considered SmartDitch was specified by URS (now AECOM), due to its exceptional lightweight handling qualities which required no heavy plant or lifting equipment for installation.

SmartDitch was installed to provide stability for the rock slope construction and divert water away from the rocky and sandy soil conditions. In total nearly 450 metres of channel were configured and installed for the project, to prevent any future landslip or erosion problems.

Standing proudly on top of a dramatic height with stunning views, SmartDitch is now actively working and doing its job for the client.