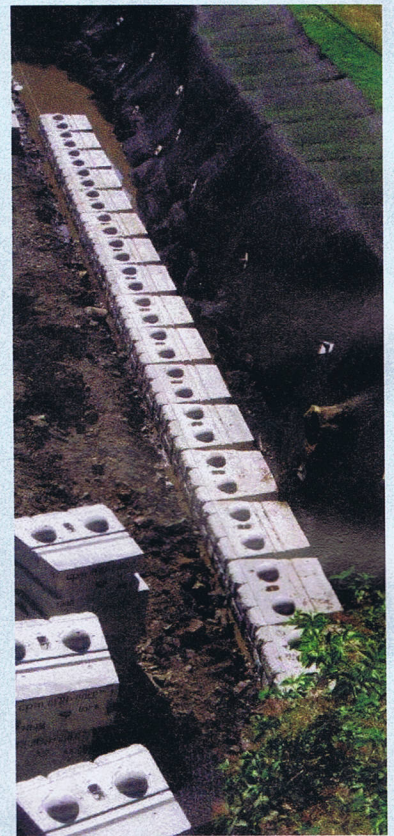


WATER: PROJECT PROFILE

CPM GROUP



Erosion protection, River Garnock, New Street, Dalry, North Ayrshire, Scotland

Project Design

Due to the soil conditions, CPM did three initial Redi-Rock wall designs that were taken under consideration before a completed design was put forward and approved by Kelsen Technical.

Challenges

Kelsen Technical was tasked with protecting a property where mature trees had toppled in a storm, significantly damaging the original stone retaining wall resulting in the need to provide a new wall to protect the client's garden and property. Challenges included the river level, that owing to a large watershed and 15 upstream tributaries, was subject to regular surge conditions following heavy rainfalls. The site entrance was only accessible from the opposite bank and a SEPA (Scottish Environment Protection Agency) was required to carry out the works as the River Garnock is a trout and salmon spawning river.

CPM's role

To design and deliver 120m² of Redi-Rock modular concrete blocks that are aesthetically pleasing and can be used for retaining, landscaping and flood

protection within the given time frame set by SEPA. CPM also specialises in the collection, storage and flow control of rainwater within their off-site solutions team

Client approval

Senan Kelleher, director Kelsen Technical commented "Redi-Rock was chosen over numerous alternatives for this scheme on account of the sensitive nature of the watercourse and our desire to minimise the use of insitu concrete or mortar. The Redi-Rock walling with its ease and efficiency of installation became the clear solution.

The completed installation looks very good next to existing stone masonry and we were impressed by the ease with which the finished wall came together and more importantly it was completed within the timescale allowed with the SEPA license. The client is delighted with the wall and it has been much commented upon and admired within Dalry. The site was just below a bridge on route to Dalry train station and we regularly had an audience watching the wall being built."

Other Parties

Kelsen Technical, Scottish

Environment Protection Agency, Albion Drilling Group, MHB Consultants, Ramsay McMichael Consulting Limited

Start/Finish

July 2011/August 2011

Project Value

£150,000

■ For more information see www.redirock.net and www.cpm-group.com

