

# Bomanite Pervious Concrete Systems

## PROJECT PROFILE

RIVER EMBANKMENTS ADJACENT TO THE A484 GRESFORD

### PROJECT INFORMATION

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The A483 Gresford Bypass has been constructed alongside a fast flowing Tributary River, with a potential to swell, the river was particularly erosive at the bends along its route. At one such point. Much of the road bund had been washed away during havy flood to the extent thatpassing toe restraint was in danger of being lost. To counteract that problem Grass Concrete was called in to assist with a suitable design for reinstatement works. The lost earthwork was first replaced with local stone of a low fines content, formed to a gradient of 1 in 2.1/2. A toe beam was then constructed with a rip-rap, introduced at the low water mark to slow the rate of flow. To the new formation, a geotextile was introduced and the stone infill blimded with sand ready to receive cast insitu GRASSCRETE GC1, a 100mm thick system with a flow rating of 6 metres per second. Upon grass establishment the GRASSCRETE has fully reinstated the natural environment, at the same time together with a structure that enables the release of hydro static pressure

### PROJECT DETAILS

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#### LOCATION

Nr Wrexham, Wales

#### CLIENT

Wrexham Borough Council

#### GENERAL CONTRACTOR

Wrexham Borough Council, Construction Services Department

#### INSTALL COMPLETED

2002

#### SQUARE FEET

529 m<sup>2</sup>

#### BOMANITE SYSTEMS

GRASSCRETE GC1 (100mm thick)