

Bomanite Pervious Concrete Systems

PROJECT PROFILE

THE JACKHOUSE RESERVOIR TRIALS

PROJECT INFORMATION

As a pre-cursor to the publication "The Design of steep grassed waterways" a field trial was undertaken. This involved the construction of a series of trapezoidal channels down the 1 in 2 slopes of an abandoned reservoir. A water supplying flume was connected to the head of each channel, through which water was discharged at variable flow rates. The trial was successful in benchmarking the capabilities of various armouring systems, as well as identifying the characteristic performance of grass itself under high flow conditions. From the data provided, it was possible to identify GRASSCRETE as being able to exceed the 8 metres per second limit of the trial, without structural damage. This compared to lesser flow rates achieved by geotextiles and hand laid pre-cast block systems

PROJECT DETAILS

LOCATION

Oswaldtwistle, Lancashire, England

CLIENT

Construction Industry Research and Information Association (CIRIA)

GENERAL CONTRACTOR

Tarmac Construction Limited

INSTALL COMPLETED

1986

BOMANITE SYSTEMS

GRASSCRETE GC2 (150mm thick)