

RESTRUCTURING OF THE „MUEHLENGRABEN“

A DYKE NEAR HANOVER, GERMANY



PROJECT REPORT





TITLE: Repositioning and restructuring of the „Mühlengraben“, a dyke near Hanover, Germany

EMPLOYER: Entwicklungsgesellschaft Langenhagen mbH

ARCHITECTS: agwa GmbH, Hannover

DURATION: May - December 1999

THE PROBLEM: The „Mühlengraben“ had been extended from 1978 to 1980 in large parts and was lead straight through the development. A new suburban railway station due to the world exhibition „EXPO 2000“ required the waterway to be moved.

THE SOLUTION: **GREENFIELDS®** Waterlog GeoW 30

As a guide for the design of the waterway the proposals of DAHL & HULLEN were used.

To achieve an increased flow structure inside the waterway and to secure the bottom of the bank until the ground has become consolidated, organic waterlogs were to be used.

The employer asked for waterlogs from coir fibre inside coir netting with a diameter of 30 cm. The architect and the executive company chose **GREENFIELDS®** Waterlogs. Altogether **1.800 m GeoW 30** were installed.

Suitable plants were inserted into the waterlogs and appropriate shrubs were planted at the top of the bank and in parts on the whole slope to give structure and an attractive look to the „Mühlengraben.“



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