

## PREPLANTED MATS GABIONEN-MATTRESSES ELTVILLE

The slopes of a deeply downcut urban stream are reinforced using gabion mattresses.

Rapid flash flood – discharges expose the slopes to high shear stresses. To support vegetation the voids of the gabion mattresses are filled with soil.

Plant mats have been installed along the waters edge while upslope areas have been seeded.



Onsite works in spring 2004; the slope are being covered with soil.



Plant mats are being rolled up for shipping



unrolled along the waters edge and fixed on the gabion mattresses



June 2004



Summer 2005: The plant mats form a dense stand of riparian vegetation along the narrow



Spring 2007: By the end of the dormant season the whole site is covered with vegetation. The stone revetment underneath is invisible.