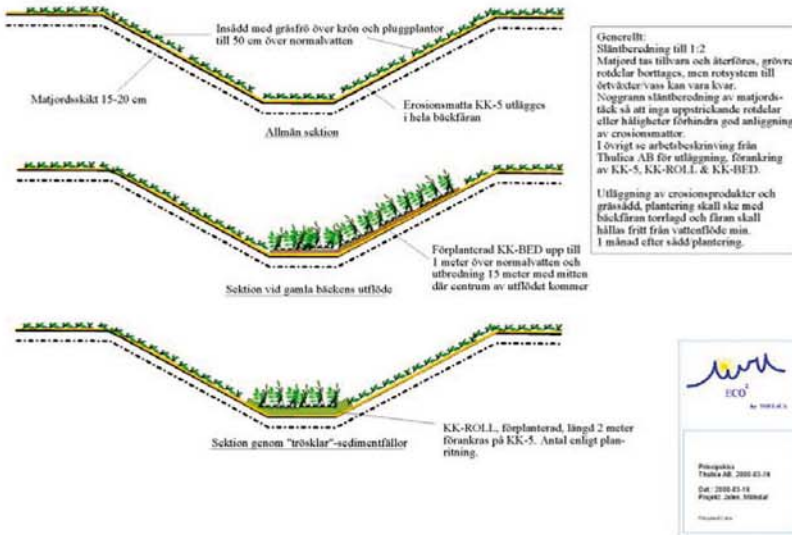


Prastabacken-Jolen, Molndal, Sweden, 2001

A watercourse had to be moved in a new industrial compound. As a part of the landscaping planning and old eroded water course was redesigned and redirected into the area. Aesthetic, technical and economical parameters guided us in the selected soil bioengineering solution. Thresholds were created by pre-planted coir rolls to make water standing even during dry season to the benefit of the habitat. Where the water emanates into the course from a 1,5 m pipe pre-planted coir mattresses were laid out under water. Due to the high content of lignin in coir fibre the fibre degrades slowly under water which matrix together with the preplanted vegetation absorb energy from running water, thus avoiding transport of sediment over long time.



Installation drawing



Installation, spring 2001



3 months after installation