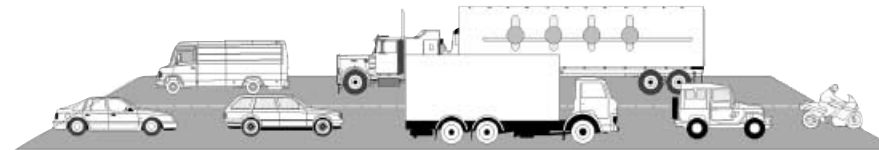


Do you want to make your highways more environmentally friendly? ... in an almost maintenance-free way!

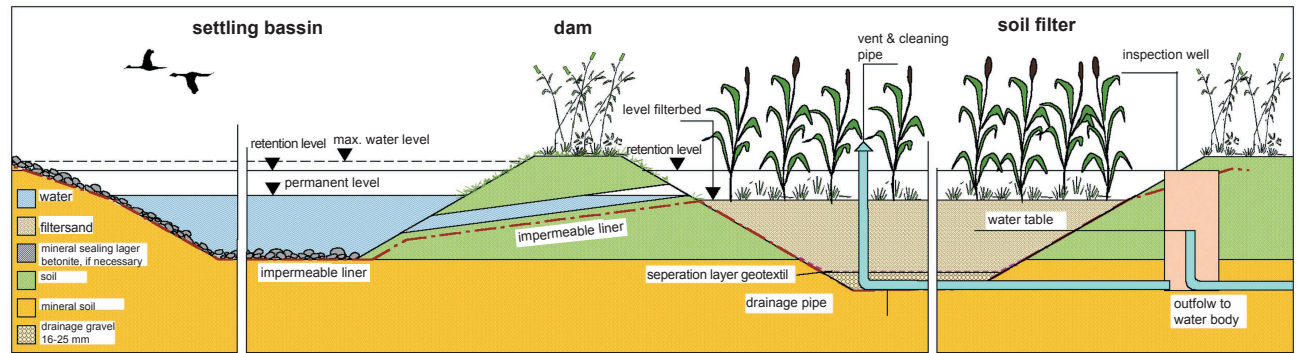
Retention soil filter for treating surface runoff

A nature-oriented, decentralized process for water protection, cleans runoff from roads and other sealed surfaces and slows down the discharge.

Instead of building concrete structures, we mould a practically maintenance-free water landscape, which is recognized by the licensing authorities as a compensating measure. In addition to water cleansing, it contributes to protection against flooding, it creates a wet biotope, and it can be integrated as an enriching element in local recreation areas. The dimensioning is based on local rain data and on the ability of the waterbody to absorb water surges and salt loads.



Water-polluter road traffic:
tire abrasions, oil residue, zinc from barriers, chemicals from accidents, salt



The rain water runoff from the surfaces is first led into a settling basin in order to protect the soil filter that follows from taking in solidsuspended, thus protecting it from clogging. Thereafter, the water is evenly distributed over the soil filter and it is microbiologically treated and filtered as in a reed bed facility. Substances that endanger the waters are retained. Heavy metals can thereby be stored in the earth for a long period of

time. If high salt loads are experienced, an environmentally safe output concentration can be achieved through additional temporary storage in a reservoir, by metering the effluent, and by combining this with a specific dilution. The amount of effluent that is led from the reservoir into waterbody is regulated based on the size of the waterbody. An area of approximately 3% of the sealed road surface is needed for cleansing the water.

