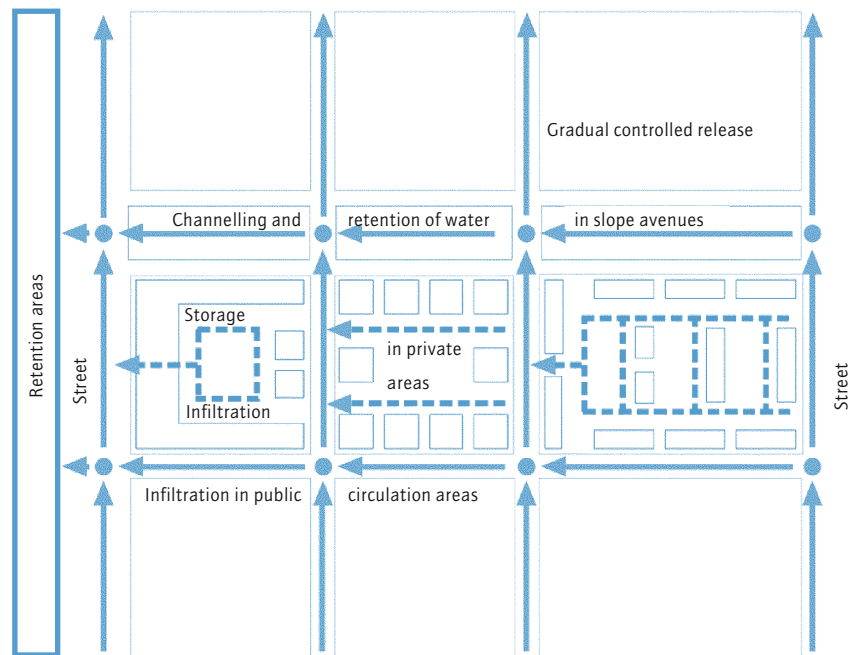


## Rainwater retention on the Kronsberg in Hanover

At the foot of the slope the retention basins hold back rainwater to slowly release it over time.

on the southern and northern peripheries of the development the planners made use of the slope of approximately 5 % with a cascade design. A naturally extended stream bed runs through the two green areas and takes the water to one of nine terraced basins, where it is retained until it soaks away. If there is very heavy rainfall the surplus water flows over the concrete retention lips, drawn on the site as civilization lines, and down into the next basin. The stream produced in this way is piped under intersecting roads, and footpaths run through the bed of the stream on reinforced fords. The water is intended to remain visible for longer in some basins which are an additional 30 centimetres lower and reinforced with a cohesive substrate. These are mainly in the areas along the foot of the slope and take up the water from the two sloping avenues and the surface water from the base road running parallel with the long side. A wooden regulating device set in the retention lip makes it possible to control the outflow quantity individually.

The Kronsberg definitely deserves a place as a show project in terms of rainwater management for a settlement of this size. It is worth a visit – perhaps especially after the World Fair.



Section through retention areas at the foot of the slope

