

Stockholm – stormwater strategy

Combined systems to mid- 1900s leading away both wastewater (sewage) and rainwater collected

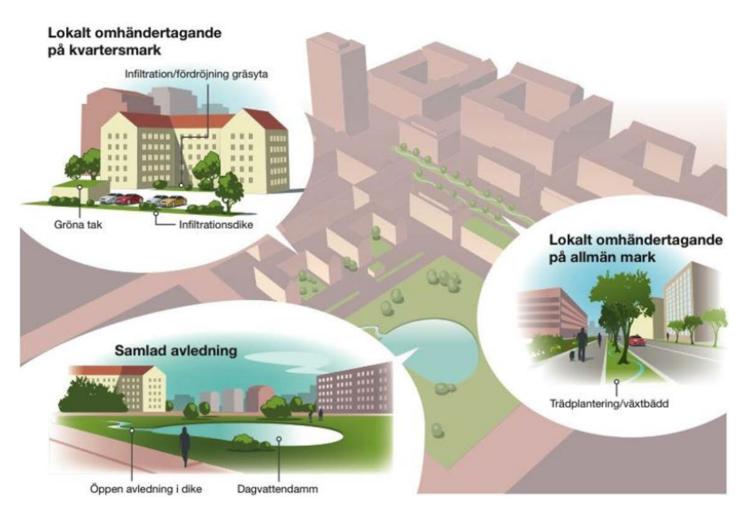
Duplicate system from 1950 separate pipes for storm water culvert conditioned creeks and ditches to land would be utilized

Existing storm water system in the city is designed for 2-10 – year rain

Today, the aim is to find a more sustainable stormwater management that takes into account water quality, urban environment and capacity.



Mälartorget



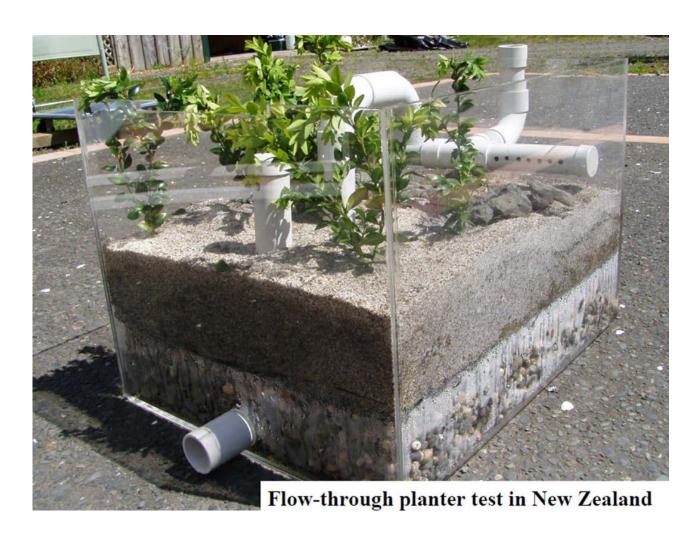
Public Open Space

- 1. Delay at source
- 2. Slow down flows
- 3. Collective delay
- 4. To stormwater system

Principles for storm water management

- measures at source to reduce contamination of storm water
- managed storm water near the occurrence by Local management of stormwater (LMS)
- Delay, and maximize the proportion of permeable surfaces (infiltration)
- elevation means adapted to climate change
- Use surface water for irrigation of street trees and plantings
- Integrating open storm water in parks and green spaces

LMS does not have to be groundwater



Use the streets



Streets – rain garden/ skeleton systems







Public open space – diversion/infiltration









Sub-surface storm water magazine





Public open space - green roofs



Multi-functional surfaces – allow flooding









Use private properties!



Private properties - Delay and use







