

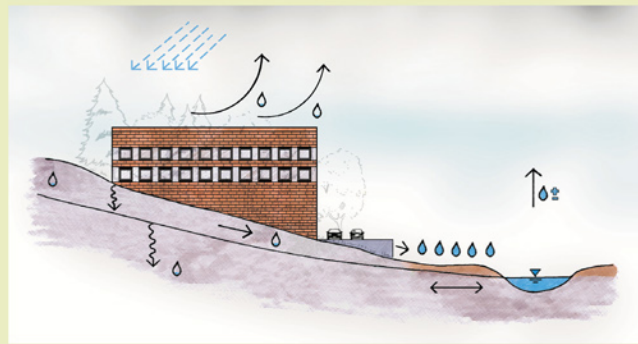
MAGNUSSON KLEMENCIC ASSOCIATES
URBAN GREEN

Sustainable Site Design Strategies for the Urban Realm

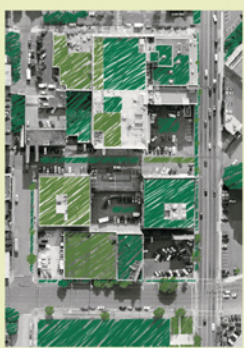
Site Hydrology and Urban Development



Pre-Settlement Conditions

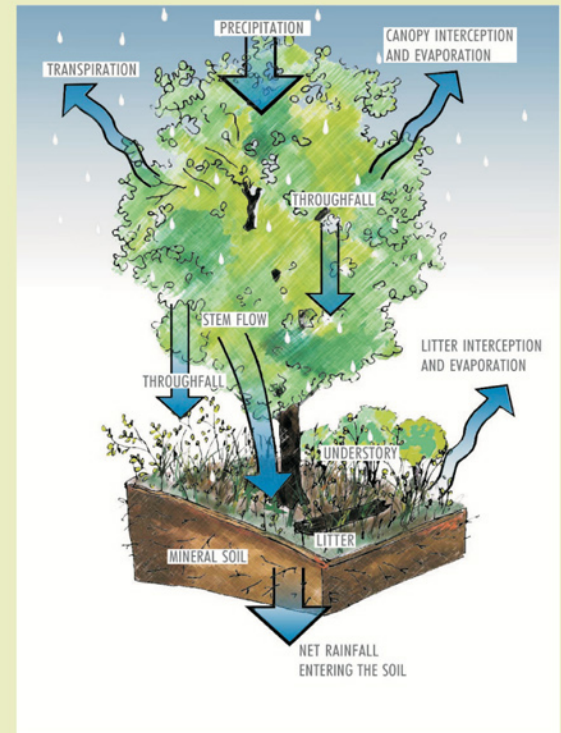


Historical Urban Development



Urban Green

Hydrologic Processes



Urban Green is a site design strategy that enables urban redevelopment projects to mimic natural hydrologic processes through a collection of sustainable site design strategies. The Urban Green strategy enables more livable urban projects and neighborhoods by rolling back the negative effects of urbanization through "reforestation" and distributed storm water management.



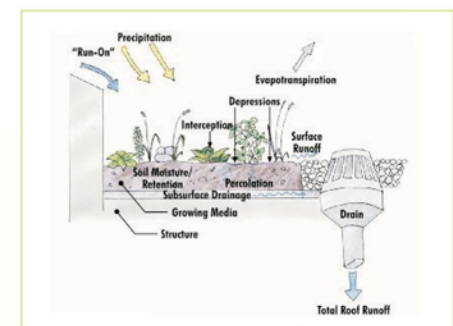
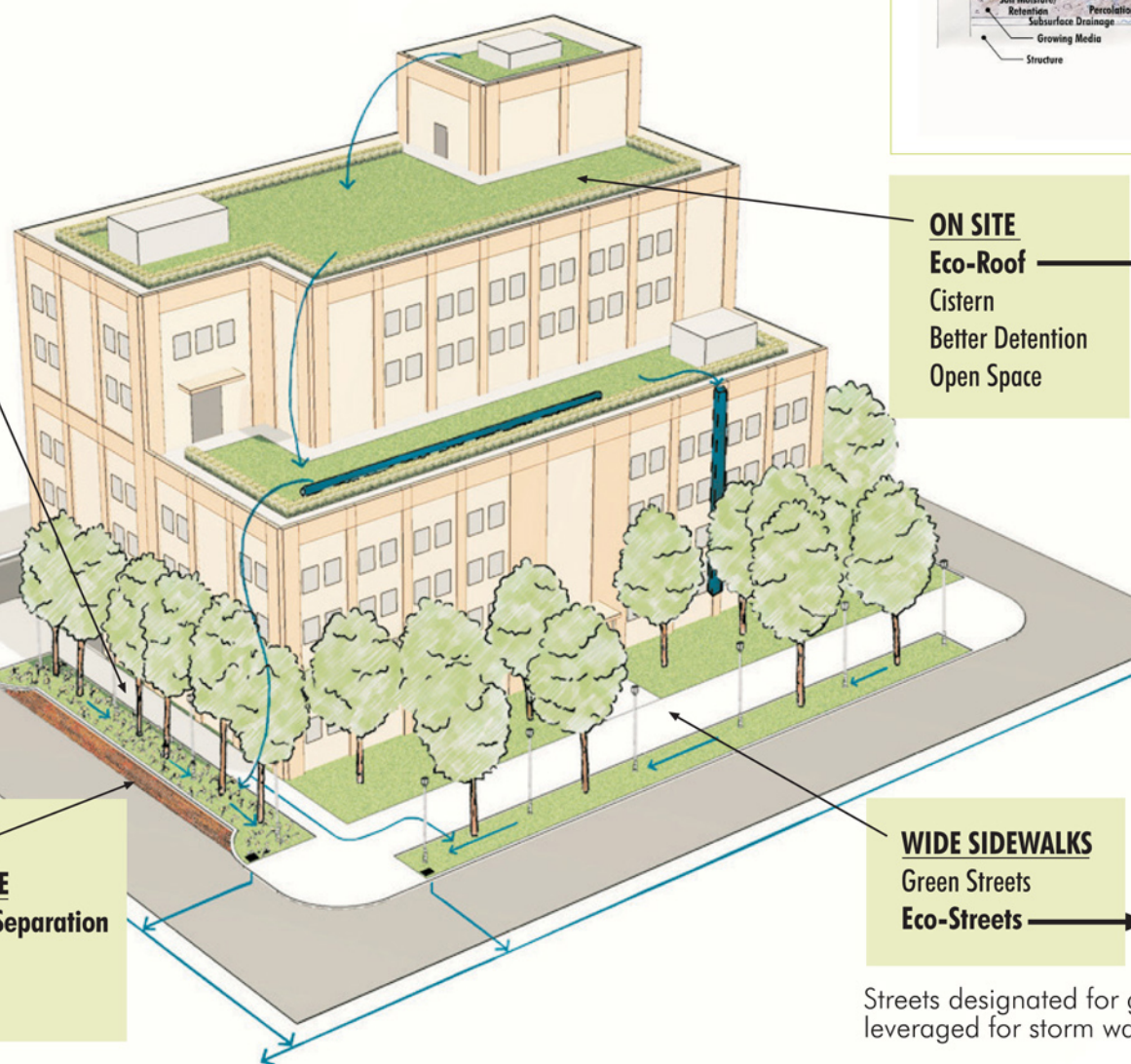
NARROW SIDEWALKS
 Better Tree Pits
 More Street Trees
 Better Lighting
 No Tree Pits

Using a planter strip instead of tree pits can provide up to 7 times more sidewalk greening.



SUSTAINABLE INFRASTRUCTURE
 Storm Drainage Separation
 Eco-Corridors
 Better Streets

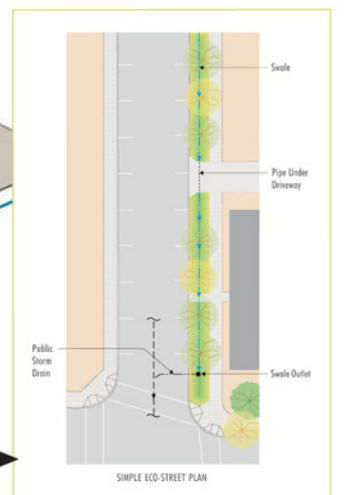
Clean runoff can be separated out of municipal sewer systems, eliminating detention requirements and enlivening stagnant receiving waters.



ON SITE Eco-Roof
 Cistern
 Better Detention
 Open Space

Eco-roofs can eliminate up to 50% of a building's annual runoff through evapotranspiration.

WIDE SIDEWALKS
 Green Streets
 Eco-Streets



Streets designated for greening can be leveraged for storm water management.

Urban Green Design Strategies