

INTERACTIVE WATER STORAGE FOR BUIKSLOTTERHAM

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buikslooterham
community
climate change
sustainable development

spatial
water storage
interactive
flexible

water system
water storage
grid

green axis
n-s big
n-s small
e-w green
e-w car

water identity
flexibility
connected

native ecosystem
green-blue network
inhabitant
participation



THE RESULT LOCATION
&
PROBLEMS

GOALS
&
OBJECTIVES

OVERALL
DESIGN

STREETS

SQUARE

PARK

THE RESULT



rain water flows down the streets into the clean water system

clean water goes into an underground reservoir before being used in the buildings

a path is placed above the water, to allow inhabitants and visitors to enjoy this part of the street, creating a connection between user and the water

household appliances that don't need tap water re-use rain water

valves allow people to control their own water storage methods

grey water is collected and transported to a constructed wetland for cleansing

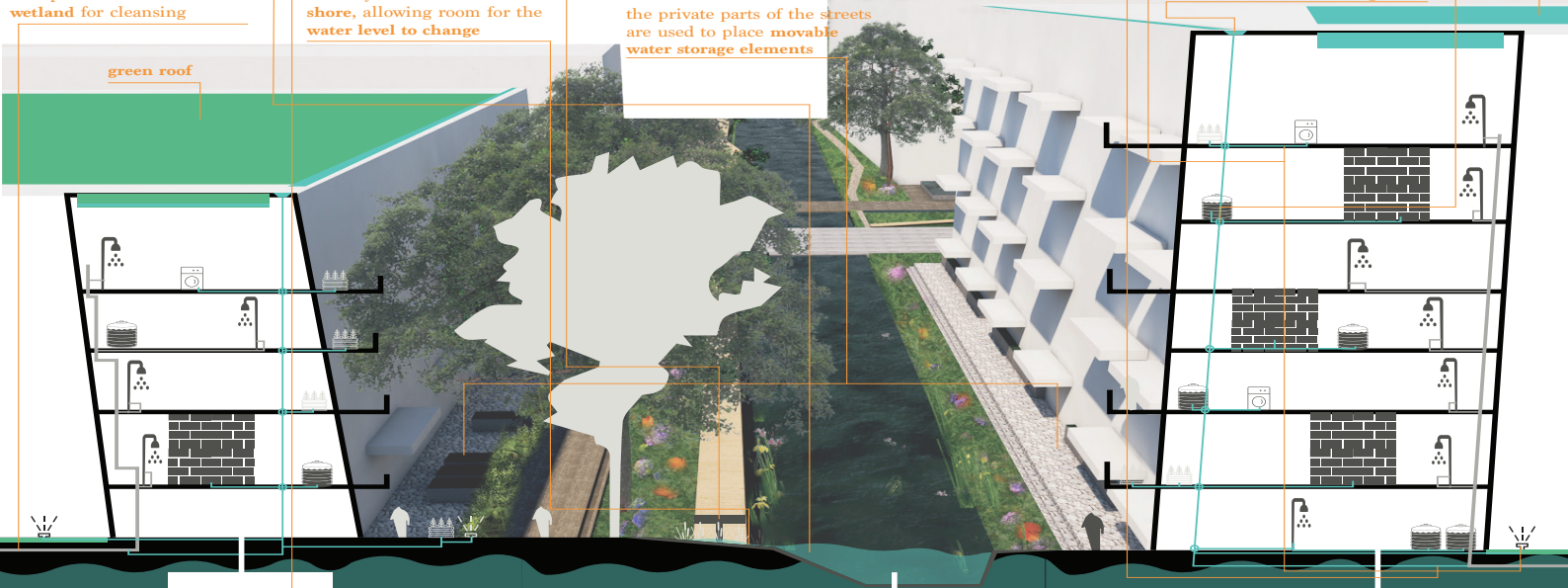
the sunny side of the clean water system has a natural shore, allowing room for the water level to change

the private parts of the streets are used to place movable water storage elements

rain water is transported to the grey water system after storage

rain water is collected on the roof of the building and then stored inside the building itself

waterproof



green roof

