

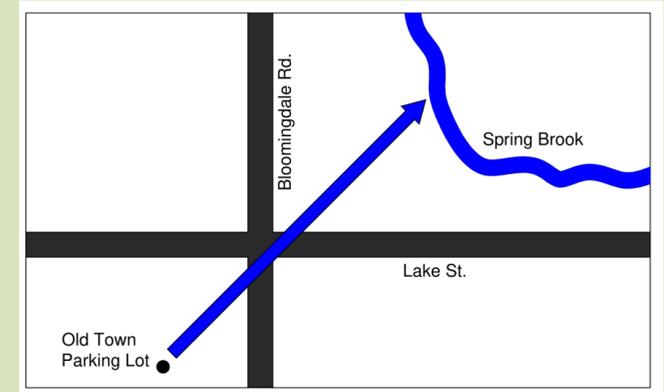
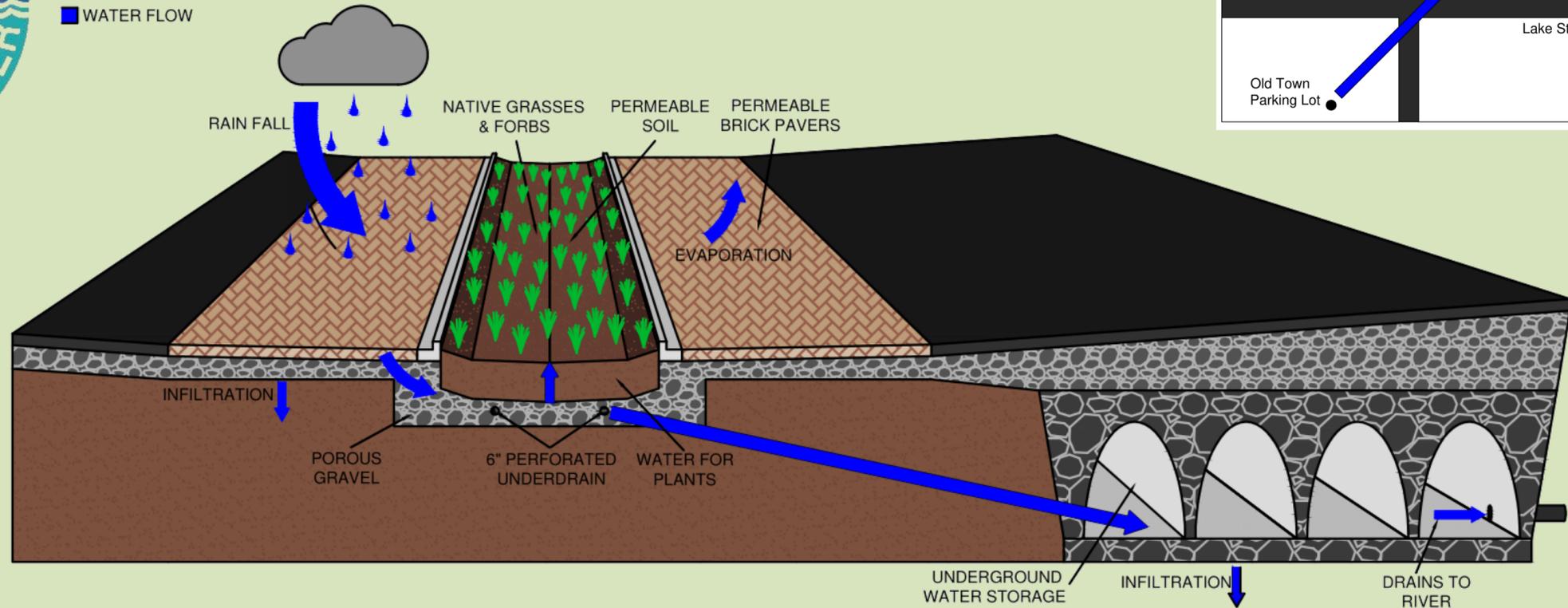


OLD TOWN PARKING LOT STORM WATER MANAGEMENT

STORM WATER RELEASED IN
SPRINGBROOK



■ WATER FLOW



FILTRATION

Large debris like leaves, twigs, and other refuse are filtered out of runoff and remain on the pavers. Smaller debris is filtered by flowing through the bioswale and porous gravel. By the time the water is released from the site, a majority of the debris has been removed.

FLOW OF WATER

The rain water and flows through permeable pavers, into the native plants. Excess water will be directed into the underground detention basin and slowly released.

GROUND WATER RECHARGE

The porous gravel below the permeable pavers, bioswale, and underground detention basin provide opportunities for runoff to infiltrate into the underlying soil.

POLLUTION REMOVAL

As runoff infiltrates through the porous gravel, bioswale vegetation and underlying native soil, pollutants are removed from the water.

FLOOD REDUCTION

The porous gravel layer below pavers will temporarily store runoff while it slowly infiltrates. Runoff will also flow into bioswale where it is filtered and absorbed by the vegetation. Any remaining runoff is directed to the underground detention basin and slowly released.