

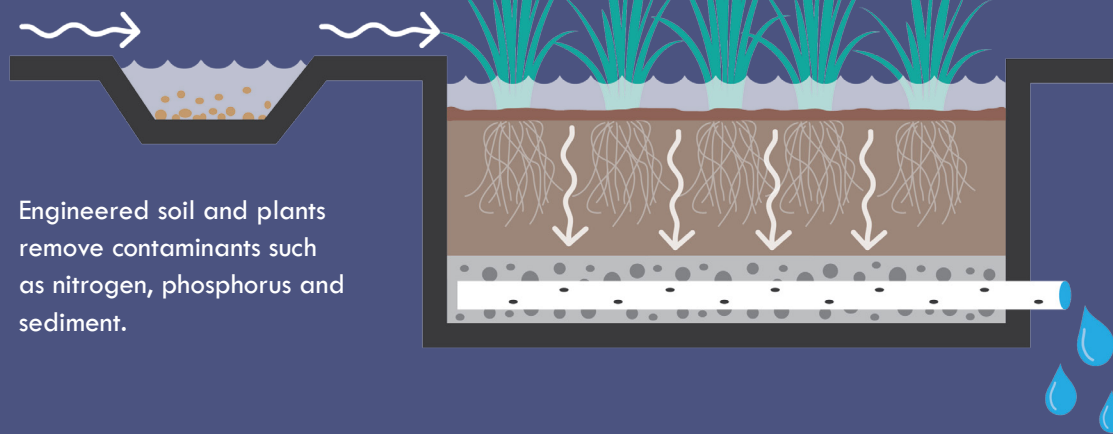
BIORETENTION

fact sheet

WHAT IS A BIORETENTION?

A bioretention cell is a medium to large scale Best Management Practice (BMP) that captures and treats stormwater runoff from buildings, roads or parking lots. A bioretention cell reduces stormwater runoff volume and can treat up to 5 acres of impervious area.

Stormwater runoff first enters a pre-treatment area where leaves, coarse sediments and other floating materials are captured.



Engineered soil and plants remove contaminants such as nitrogen, phosphorus and sediment.

Plants in bioretention cells include native species that are adaptable to both wet and dry soil conditions.

Runoff is filtered through plants and an engineered soil where the water infiltrates into the ground or discharges to the storm drain system.



Bioretention with fore-bay



Bioretention planting with seasonal interest 10/25/2019 11:31

Photos courtesy of Stormwater Maintenance, LLC.

THE CONSTRUCTION PROCESS

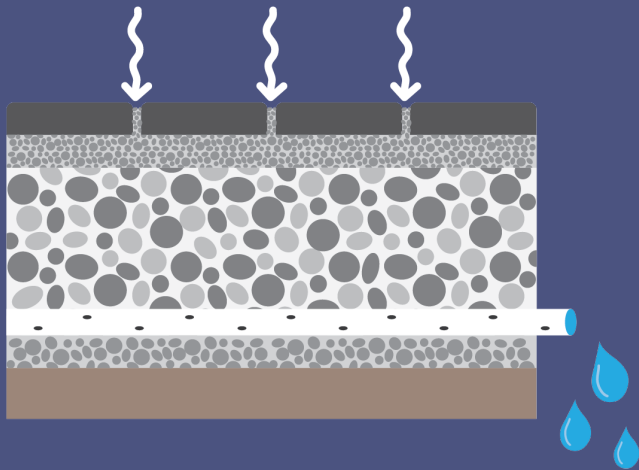


PERMEABLE PAVEMENT

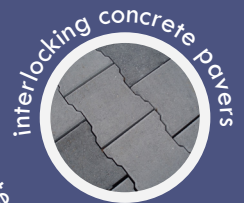
fact sheet

WHAT IS PERMEABLE PAVEMENT?

Permeable pavement is an alternative to conventional pavement systems that treats stormwater runoff. The pavement surface allows stormwater to flow through to a gravel storage area underneath. The stormwater infiltrates into the ground or discharges to the storm drain system by an underdrain. Permeable pavement can be found in different applications such as parking spaces, alleys, sidewalks or pedestrian plaza areas.



TYPES OF PERMEABLE PAVEMENT





Permeable pavement for on-street parking



Permeable pavement in a parking lot

Photos courtesy of Stormwater Maintenance, LLC. (left) and Low Impact Development Center (right)

THE CONSTRUCTION PROCESS

