WHAT ARE THE BENEFITS OF A BIORETENTION CELL

Bioretention removes stormwater pollutants through physical and biological processes, including adsorption, filtration, plant uptake, microbial activity, decomposition, and sedimentation.

Removes suspended soils

Removes nutrients and metals

Reduces peak flow discharges

Reduces runoff volume

Improves landscaping aesthetics

Provides habitat for pollinators and wildlife

WHAT YOU NEED TO DO IF YOU HAVE BIORETENTION

Review your maintenance agreement. You will have requirements to conduct routine inspections and make repairs. Be on the lookout for invasive weed species. Get control of weeds fast!

Huntington Stormwater Utility
P.O. Box 7578
Huntington WV 25777
304-781-1948

BIORETENTION CELLS

HOW THEY WORK & WHAT YOU NEED TO DO

WHAT IS A BIORETENTION CELL

Bioretention is an important technique that uses soil, plants, and microbes to treat stormwater. Bioretention “cells” “areas” or “rain gardens” are shallow depressions filled with sandy soil, topped with a thick layer of mulch, and planted with dense native vegetation.

HOW DOES IT WORK

Bioretention cells remove pollution by infiltration into an engineered soil mixture and reducing the overall volume of runoff. Plant roots uptake water.

HUNTINGTON HAS BIORETENTION

HOW TO MAINTAIN A BIORETENTION CELL

Remove accumulated sediment from the cell.

Remove trash and weeds.

Inspect for erosion of inflow/outflow areas.

Do not use fertilizers or pesticides – hand pull weeds.

Replace plants that die.

Maintain 2-4 inch mulch layer.