

# WHAT ARE THE BENEFITS OF A BIORETENTION CELL

Bioretention removes storm water 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

# HUNTINGTON STORMWATER UTILITY ACHIEVEMENTS

Since establishment of the utility in 2014, twenty-nine development and re-development projects have added 48 bioretention cells in the city!



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# 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 in a very visual way. You can see the sediment, trash, and debris and be able to easily remove it. In underground pipes you have no idea of what pollutants are going into the water.

# HUNTINGTON HAS BIORETENTION



West Village Apts



St Mary's Hospital



Fairfield Inn



Bimbo Bakery



Cabell Huntington Hospital



Dunkin Donuts

# 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 any plants that die.



Maintain 2-4 inch mulch layer.