

Vegetated Infiltration Basin

A vegetated infiltration basin is a large constructed depression (sunken land) that captures runoff from storm-drain sewers or directly from **impervious** surfaces like parking lots, roads, or sidewalks. The **runoff** is temporarily stored in the basin until it slowly **infiltrates** into the ground.

Much like a rain garden, a vegetated infiltration basin has vegetation (plants) like grasses that slow down, soak up, and filter **precipitation** (rain, snow, sleet, or hail). This helps filter pollution, reduce flooding, prevent **erosion**, and increase **evapotranspiration**, all while keeping our watersheds healthy! Basins are also specially designed with **infrastructure** to manage much greater amounts of stormwater than rain gardens! Can you spot one in your community?



Benefits and Uses:

- Increases infiltration
- Recharges groundwater supply
- Reduces runoff
- Filters pollutants
- Reduces flooding (slows velocity *and* volume of water!)
- Can be done at many sites (residential, industrial, or commercial)
- Prevents sewer overflows
- Simple and inexpensive to create

