

What is Stormwater?

Stormwater is water that originates during a rainfall event. Throughout its journey, stormwater that is not absorbed into the soil or does not evaporate will eventually run off into nearby water bodies.

In growing urban areas like Greensboro, as stormwater runoff rapidly flows over impervious surfaces such as streets, parking lots, building and rooftops, it picks up debris, chemicals, sediment and other pollutants. The polluted runoff is then washed into storm drains which lead directly to local streams and creeks.

Why is stormwater runoff a problem?

Stormwater runoff can carry many types of pollutants, each effecting water quality in a different way. For example, sediment (dirt, soil, sand) can increase the level of turbidity of water, blocking valuable sunlight for aquatic plants making it virtually impossible for the animals to find a food source.

Excessive nutrient production from fertilizers can create increased algae and bacterial blooms which consume vital oxygen for fish and other aquatic life.

Debris such as plastic bags, bottles, cigarette butts, bacteria and other hazardous waste can interfere with aquatic life.

Both structural and non-structural devices known as "Best management practices" are used to temporarily detain, slow down and or remove pollutants from stormwater runoff.

Project Benefits

The Jaycee Park Stormwater Improvement Project is a demonstration project that illustrates different methods of capturing and treating stormwater runoff from the parking lot before being discharged to the nearby creek and ponds at Country Park.

Contact Information

City Contact Center
373-CITY (2489)

To learn more about this project and stormwater management, please visit www.greensboro-nc.gov/stormwater

To learn more about parks and recreation projects and programs, please visit www.gsoparksandrec.com



Jaycee Park

Stormwater Improvement Project



Jaycee Park Stormwater Improvement Project

Methods for Stormwater Treatment



Pervious Parking

A specially designed, very coarse type of concrete that allows the parking lot runoff to soak in and temporarily store runoff in the gravel sub-base layer.



Bioretention Cell (Rain Gardens)

Designed to capture and treat the runoff from the parking lot before discharging to the creek and ponds in Country Park. Grass will be used instead of mulch for ease of future maintenance.



Tree Boxes

Used in traffic islands or along street edges, rainwater drains from the parking lot into a tree or planting 'box' where a special type of high-flow media treats the runoff. A similar style of tree or planting box is being used along the Downtown Greenway near the Greenway at Fisher Park Apartments and Deep Roots Market.

