

Green Stormwater Infrastructure Maintenance



Green Stormwater Infrastructure (GSI)

helps manage stormwater by temporarily storing water above or below ground. Plants and soil soak up water and filter out pollutants as it flows through layers of mulch, soil and stone.



Benefits of GSI

- Reduces Water Pollution
- Reduces Flooding and Erosion
- Provides Pollinator Habitat
- Improves Aesthetics



GSI Maintenance

Simple, routine maintenance will keep GSI practices working efficiently.

- **Remove trash** and other debris
- **Conduct routine checks** for bare spots, weeds, dead vegetation, excess sediment and uneven mulch
- **Perform landscaping practices** to keep vegetation alive and healthy, reduce erosion, and keep the soil aerated to improve water drainage

Maintenance practices can be done by someone familiar with landscape maintenance every 3-12 months.

With the right tools, GSI is
FEASIBLE,
REASONABLE,
AND WORTH IT!

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FAQ

What does GSI look like?

GSI incorporates natural materials and can blend into the landscape as shallow basins with plants or trees located along roads, parking lots, parks, and residential properties. Well maintained GSI provides aesthetic benefits to yards and public spaces.

Does GSI attract mosquitos?

GSI attracts native wildlife like dragonflies that help control and prevent mosquitos.

Is GSI expensive to maintain?

As long as GSI is maintained properly, it can result in cost savings, prevent the need for future repairs and maximize the function and longevity of its impact on the environment.

Is there funding to support GSI practices?

Yes. Many local, state, and federal grants exist to support GSI planning and implementation. Visit <https://wake.gov/gsi> for additional information and links to funding.

Stormwater Contacts

Wake County	919-856-7436
Apex	919-249-3356
Cary	919-469-4000
Fuquay-Varina	919-753-1035
Garner	919-773-4421
Holly Springs	919-577-3111
Knightdale	919-217-2250
Morrisville	919-463-7025
Raleigh	919-996-3940
Rolesville	919-556-6490
Wake Forest	919-435-9449
Wendell	919-365-4822 ext. 501
Zebulon	919-269-5285

Additional Resources

Wake County Water Partnership

<https://wake.gov/gsi>

Raleigh Stormwater

<https://raleighnc.gov/stormwater/services/green-stormwater-infrastructure-initiatives>

Cary Stormwater

<https://www.carync.gov/services-publications/water-sewer-stormwater/stormwater-management/green-stormwater-techniques-for-your-yard>

NCSU Stormwater Control Measure Inspection and Maintenance Certification Course

<https://bae.ncsu.edu/workshops-conferences/stormwater-bmp/>



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