THE CITY OF

ALPHARETTA

GEORGIA

Green Infrastructure, Stormwater, and Trees

Why Trees?

- Runoff Curve Number (CN): Parameter used in hydrology to predict direct runoff or infiltration from rainfall.
- High CN = More Runnoff
  - Asphalt/Parking Lots = 98
- Low CN = More Infiltration
  - Woods = 32-83*

* Depends upon hydrologic condition and hydrologic soil groups. Good=Lower CN

THE CITY OF
ALPHARETTA
GEORGIA

Union Hill Park

Depressed Parking Lot Islands

Costco

Bio-Retention

Renasant Bank

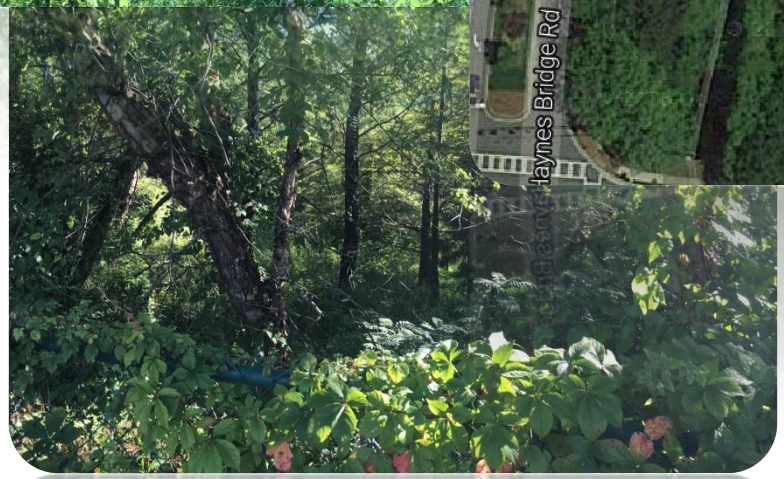
Bio Retention

Pure

Pervious Pavement

Publix

Planted Stormwater BMP



Maxwell Road

Large Tree Save Area

Webb Bridge Park (After)

Bio-Retention

Webb Bridge Park (Before)

Dry Detention

The Atwater

Sand Filter and Silva Cells

Enclave at Wills

Sidewalk Incorporated Into Roadway

Pervious Paver Road

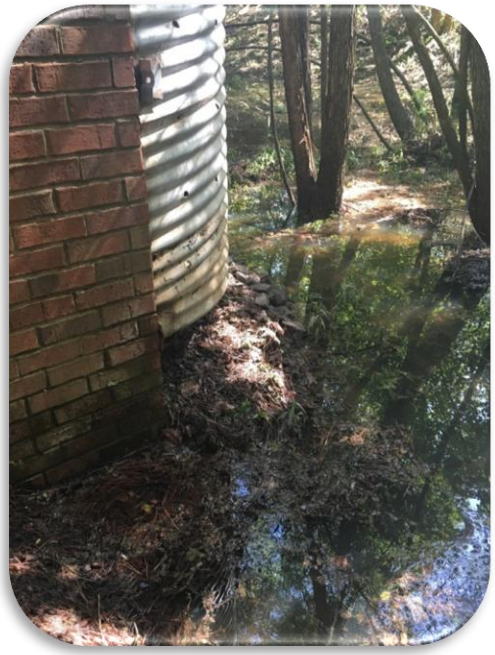
Enclave at Wills

Large Tree Save Area

Vosey

Planted Retention

Existing Pond



Planted Stormwater BMP

Maintenance
Maintenance
Maintenance

Existing Pond 2

Maintenance
Maintenance
Maintenance

Encourage!

- Tree and Landscape Planting
- Bio-Retention
- Enhanced Swales
- Pervious Pavement
- Sand Filters
- Constructed Wetlands
- Infiltration Trench
- Green Roofs
- **CREATIVITY**

Why Trees?

- Mitigate Stormwater
- Prevent Erosion
- Rainfall Interception
- Evapotranspiration
- Increased Property Values
- Blah, Blah, Blah
- **Because we like them!**