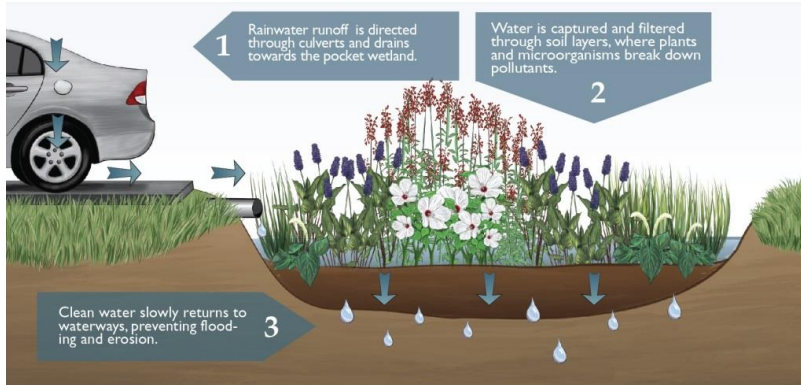


ECC Campus Retrofits Project: 2015-2017



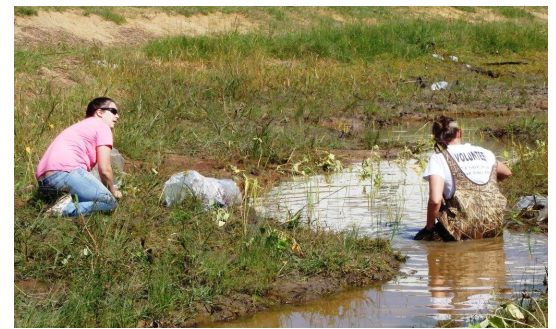
Green infrastructure is the use of manmade structures designed to reduce stormwater runoff generated from impervious surfaces, such as roofs and parking lots. These technologies utilize plants, soils, and natural processes to manage and create healthier urban environments.

The BMPs installed now treat 90% of ECC's stormwater drainage to Holly Creek, reducing erosion, pollutant loading, flooding and improving water quality and habitat downstream.

More than 72% of high density development in Holly Creek watershed is attributable to the ECC campus.

- 3 Constructed Wetlands, 1 BRCs 1 Rain Garden designed and implemented on campus
- Inflow and outflow measured over one year
- Sample results show overall reduction in TN, TP, TSS and flow volumes.
- More than 200 students and professionals utilized the BMPs as an outdoor classroom during the project

Urban settings, like ECC's campus, pose significant challenges for installing stormwater BMPs. Available space, existing utilities, and pedestrian use are all challenges to finding suitable locations to install stormwater control measures. This project demonstrated that even undersized measures provide environmental benefits for both quality and volume control.



Volunteers plant wetland on campus



Created wetland two years after construction.



Retrofit projects on public campuses provide ongoing learning opportunities for students, teachers, homeowners and professionals