

Boyce Park Stormwater Management Project
Growing Greener Project #C990000770
Sponsor: Allegheny County Conservation District

PROJECT DESCRIPTION: Turtle Creek is impacted by stormwater runoff from highly developed municipalities in Allegheny County. To address this problem of excess stormwater, ACCD, along with Allegheny County Parks' landscape and public works staff designed and constructed 2 raingardens to intercept runoff from parking and roadway areas in Boyce Park at the Four Seasons Lodge. In addition, 2 sloped lawn areas were converted to native meadow plants. As a result, Pierson's Run and downstream Turtle Creek have experienced a reduction in pollutant load and water volume.

PROJECT TIMELINE: July 2019 to December 2022

PROJECT GOALS: Reduce the impacts of stormwater in the Turtle Creek Watershed resulting in reduced flooding and better water quality.

PROJECT RESULTS: The project resulted in the installation of two rain gardens totaling 4,450 square feet and 15,000 square feet of lawn converted to native meadow planting. The rain gardens will capture and infiltrate the 1-inch storm from approximately 36,000 square feet of developed land.



Before



After

PROJECTED COSTS: The project was funded by Growing Greener for \$28,368.04, with \$23,172.60 in matching funds from project partners. Total project costs were \$51,540.64.

LESSONS LEARNED: Clean rock is not really free of sediment. The river rock ordered for the rain garden entrance area came with a lot of sediment mixed in that we had to deal with prior to putting it in the rain garden.

PROJECT PARTNERS: Allegheny County Conservation District, Allegheny County Parks Department

CONTACT INFORMATION: Additional information can be provided by Allegheny County Conservation District Watershed Specialist, Amy Miller at abmiller@accdpa.org or by phone (412)291-8014