



Quick facts on Schenley Park Green Infrastructure Project in the Panther Hollow Watershed

The Projects

The projects in Schenley Park along Beacon and Bartlett Streets, and along Schenley Drive through the Bob O'Connor Golf Course, are designed to manage and minimize runoff by collecting and redistributing 1.7 million gallons of water naturally through a variety of green infrastructure design components. Schenley Park was selected because of its location at the top of the watershed, and its position as the starting point for water that makes its way to Panther Hollow Lake and beyond. Capturing rain water at the top of the watershed protects all streams and rivers below.

- Project #1 - An infiltration trench (essentially two very large French drains) was installed along Beacon Street and Bartlett Street in Schenley Park to catch rain water, allowing an estimated 600,000 gallons of rain water to infiltrate into the ground. The water will be soaked up by a newly planted meadow featuring carefully selected shrubs and trees. Keeping in mind the input of park users, a trail that winds through the meadow as well as an open lawn space have been included in the design plan.
- Project #2 - Sections of the course will have retentive grading or long bumps. These graded areas will slow water as it hits the bumps and will have a special soil mix that is estimated to capture another 1.12 million gallons of rain water a year, lessening runoff and erosion.

The project is being developed with key dedicated partners as part of the Pittsburgh Parks Conservancy's multi-phase master plan for Schenley Park. The project's analysis, design, and construction plan was funded by a grant from the Richard King Mellon Foundation.

The Partners

- Pittsburgh Parks Conservancy
- Pittsburgh Water and Sewer Authority
- Allegheny County Sanitary Authority (ALCOSAN)
- City of Pittsburgh, Department of Public Works
- University of Pittsburgh
- Pennsylvania Environmental Council
- Carnegie Mellon University
- First Tee of Pittsburgh

Cost, funding and construction partners

- Total Cost - \$750,000
- \$412,500 From EPA grant to ALCOSAN
- \$157,500 ALCOSAN direct contribution
- \$60,000 PWSA direct contribution
- \$60,000 City of Pittsburgh in-kind
- \$60,000 Pittsburgh Parks Conservancy direct contribution and in-kind

Design and construction plans were created by Meliorate Environmental Design LLC, a WBE civil and water resources engineering firm; Andropogon and Associates, a landscape architecture and design company; Rothschild Doyno Collaborative, an architecture and urban design firm that provided planning and public outreach; and Cosmos Technologies Inc., which did surveying and local code research.