

## Wilkinsburg Stormwater Resiliency Project Phase I

C990002512

Sponsor: Upstream Pittsburgh

Project Description: Wilkinsburg Stormwater Resiliency Project (WSRP) is a two phase holistic stormwater management project to reduce the flow of stormwater and sewage into Nine Mile Run. In this first phase between 2020-23, the project addresses the nonpoint source pollution that results from the stormwater runoff by implementing BMPs including bioswales and rain gardens at 738 Wallace Avenue and 733 South Avenue in Wilksinsburg PA. Outreach to and education of local residents was key to the project's success.

Project Goals: Improve the water quality of Nine Mile Run through the reduction of stormwater and sewage entering the stream, remove an estimated 1.7M gallons of stormwater runoff annually, reduce TSS, phosphorous, aluminum, iron, and nitrogen entering Nine Mile Run via the combined sewer system.

Project Results: This phase included installing 4 BMP's at 738 Wallace Ave and 2 of 6 planned BMP's at 733 South Ave. The stormwater management capability of the WSRP sites is currently being monitored for performance which will be publicly available on our GSI Monitoring Dashboard.

### Pictures:

738 Wallace Ave before construction:



At end of construction:



Project Costs: \$ 581,589 Growing Greener Plus Watershed Restoration and Protection Grant

Lessons Learned: Throughout the projects planning and construction phase, we learned that constant communication with municipal leadership was critical to ensure that the project met the needs of the landowner. We also learned that close and constant construction management was crucial in ensuring the project proceeded on schedule.

Partners: The Borough of Wilkinsburg; Sci-Tek Consultants (Engineering and Design); Cronin Enterprises LLC (Contractor); Duquesne Light Co.

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