

READING RESIDENTIAL STORMWATER DEMONSTRATION

FAST FACTS

Location:

1223 Jefferson Avenue
Reading, Ohio

Project Partners:

Mill Creek Watershed
Council of Communities
City of Reading
Allison Landscaping
CDM Smith

Project Area: 1,700 sq. ft.

Project Cost: \$69,000

Completed: Fall 2015

PROJECT FEATURES

Rain garden with
native plants

Permeable pavers

Rain barrels

Flow-through planter

Recycled canoe planter

Educational signage

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The Reading Residential Stormwater Demonstration features several residential-scale stormwater best management practices in a highly visible location.

Located at the corner of Jefferson Avenue and Walnut Street in the heart of Reading, the Reading Residential Stormwater Demonstration provides visitors with several examples of stormwater management on a residential scale. This project demonstrates how homeowners can be part of the solution to erosion, stormwater pollution, and combined sewer overflows.

What is the Reading Residential Stormwater Demonstration?

The offices of the Mill Creek Watershed Council of Communities, located in the City of Reading, have been outfitted with four stormwater best management practices to demonstrate a variety of methods for managing stormwater on residential properties. Rainwater that falls on the roof of the house is captured and directed to rain barrels and a flow-through planter. A permeable paver walkway captures rainwater and directs it to a gravel storage layer beneath the pavers, along with overflow from the rain barrels and flow-through planter. Yard surface runoff and overflow from the paver system is directed into the rain garden, where it is infiltrated into the soil and sustains the native plantings. An overflow drain directs excess runoff from the largest storm events to the storm sewer. This demonstration provides a natural filtration process for stormwater before it enters the stream. All project features can be replicated by homeowners throughout the watershed.



The Maketewa, a vessel that once plied the waters of the Mill Creek, lives on as a recycled canoe planter box

PROJECT GOALS

Demonstrate a variety of stormwater management practices on a residential scale

Reduce peak stormwater flows

Filter pollutants out of stormwater

Allow rainwater to infiltrate into the ground as opposed to running off

Provide bird and butterfly habitat using native plants



Native plants in the rain garden, installed by Gamble Montessori High School volunteers, help to store and infiltrate stormwater



Permeable pavers provide a paved surface while also storing and infiltrating stormwater



Rain barrels in series store 165 gallons of rainwater for irrigation and other uses



This flow-through planter box uses rainwater to irrigate plants

Project Partners

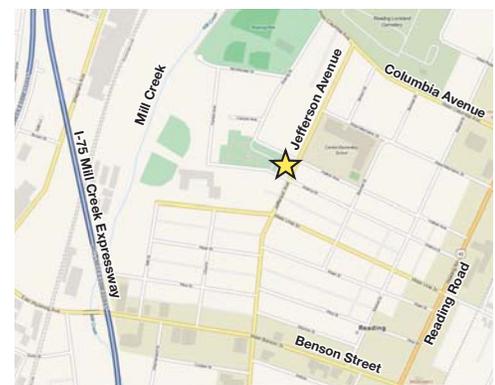


Project Funder



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LOCATION



1223 Jefferson Avenue
Cincinnati, Ohio 43215

Located at the intersection of Jefferson Avenue and Walnut Street.