

Sharon Creek Confluence Restoration Project

FAST FACTS

LOCATION: Evendale, OH

PROJECT PARTNERS:

Mill Creek Alliance
Applied Ecological Services
Ohio Public Works
Commission

PROJECT DIMENSIONS:

1,000'
1.7 Acres

PROJECTED COST:

\$390,200

TIMEFRAME: 2019-2021

PROJECT FEATURES:

Dam Mitigation
Streambank Stabilization
Invasive Vegetation
Removal and Replacement

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The Mill Creek Alliance has obtained funding from the Clean Ohio Fund for the Sharon Creek Confluence Restoration (Confluence) project. Located along 1,000' of riparian corridor along the mainstem of the Mill Creek, the Confluence project extends south from the confluence of the Mill Creek mainstem and Sharon Creek south to Glendale-Milford Road in the Village of Evendale, OH.

The proposed project is located less than 1,000' north of the recently completed Mill Creek Restoration at Evendale Commons project, which mitigated a low-head dam and reconfigured the stream channel to better manage flood waters, improve water quality, and connect the downstream and upstream aquatic and terrestrial habitats. The proposed Confluence project leverages and extends those newly realized benefits further upstream to the confluence of the Mill Creek and Sharon Creek. Furthermore, the Confluence project obtains conservation easements that support the future construction of the Mill Creek trail, identified in the 2013 Evendale Bike Master Plan.



Mill Creek-Sharon Creek Confluence Restoration Project
Proposed Area Highlighted in Red



PROJECT GOALS:

Improve water quality

Expand Mill Creek restoration benefits north from Evendale Commons

Obtain easement for property identified along an "opportunity corridor" in the 2013 Evendale Bicycle Master Plan

The proposed work on the streambank includes the physical and chemical removal of shallow-rooted honeysuckle, which does not hold the streambed in place. Dense replanting is proposed with a hardy native seed mix, along with a plant palette of woody cuttings, bare root, and container stock to replenish forest vegetation and recreate a mixed-aged stand of trees and shrubs to maximize habitat diversity post-restoration and decrease streambed erosion and downstream sedimentation.

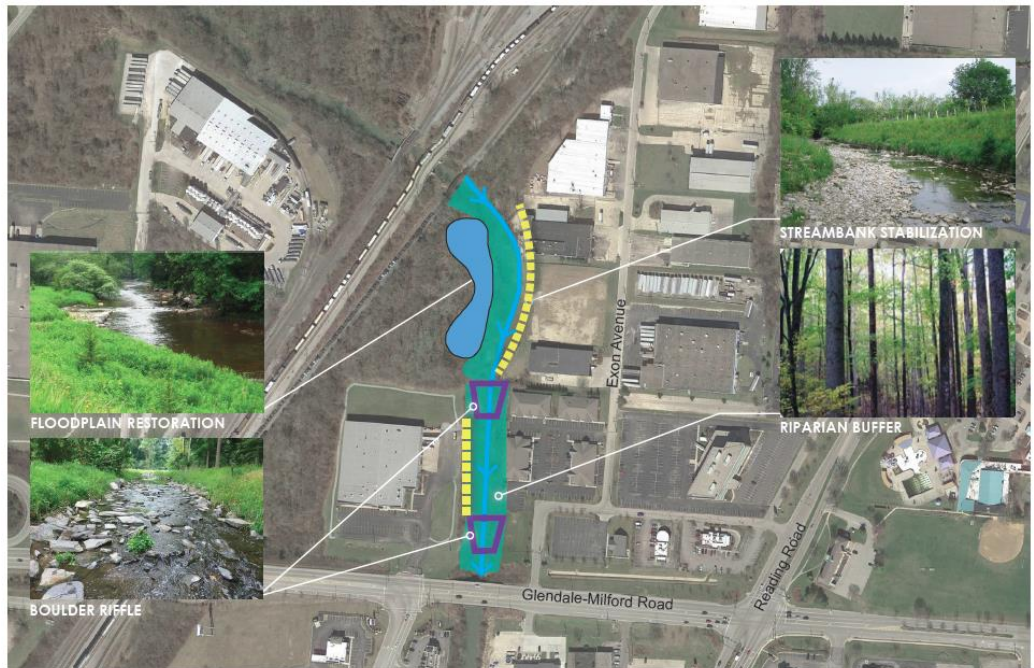
In addition, the streambank will be secure with rock placed at the base of the bank. Alternatively, timber and woody materials salvaged on-site could be economically installed, if hydraulic analysis of the flow conditions confirm the suitability of the technique.

Furthermore, as was done in the Evendale Commons project, rock riffles are proposed for construction in the stream channel to better transfer stream flows, improve water quality, and allow fish passage further upstream. A proposed riffle on the downstream end of the project reach will be designed to center flow as it approaches Glendale Milford Road, preventing scour in the vicinity of the bridge.

PROJECT PARTNERS



Clean Ohio Fund



Mill Creek Restoration
at Village of Evendale, Ohio

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