



Sycamore Run Stream Restoration Project Fact Sheet

- **Reason for the Project:** Upstream development has caused high flows in the stream during rainfall events. These flows can cause erosion to properties along the stream. Pollutant loadings also increase with development. In addition, the stream channel erodes to a deeper channel which prevents the water from spreading out into the natural flood plains. These flood plains store water and trap sediments and pollution.
- **How this stream will be restored:** This existing degraded reach of Sycamore Run will be restored through the construction of a stable stream channel that is reconnected to the existing wooded floodplain, in stream habitat and grade control structures. Floodplain wetlands will also be developed and finally the stream corridor will be planted with native riparian plant species.
- **Water Quality:** The water quality downstream of the project will be increased by trapping sediments in the new floodplain and abandoned oxbows and through the biological process in the stream. The increased floodplain area helps reduce velocities during rain event which will help the natural stream bank vegetation to thrive. The natural vegetation is important in stabilizing the banks from erosion and providing habitat for native wildlife. This project will be a positive step forward to implementation of the Big Walnut Watershed Action Plan and help to meet the waste load reduction goals for the watershed.
- **Funding:** Gahanna was awarded a 2013 grant from the Ohio Environmental Protection Agency to assist with the construction of this project. These grant funds are made available through the Section 319(h) Nonpoint Source Program and help solve water quality problems caused by nonpoint source pollution. The total construction costs are anticipated to be approximately \$220,000. The Gahanna Storm Water Utility provided monies for engineering design, permitting, and land easement values. The Ohio EPA can provide up to \$202,000 to assist in the construction of the project. Construction will commence in June of this year.
- **Public Education and Outreach:** The City will provide education and public outreach related to the project through a variety of efforts. Information on a project specific page will be provided on the City's website (www.gahanna.gov) and the project will be featured in the ThisWeek community newspaper. Pre and post construction open houses will be held, as will project tours. Informational signage will ultimately be installed, as will a kiosk at a strategic location. The City's Parks and recreation Department will conduct camp field trips and before and after water quality will be performed. There will also be a stream cleanup taking place upstream and downstream of the project limits.

This product or publication was financed in part or totally through a grant from the Ohio Environmental Protection Agency under the provisions of the Section 319(h) Nonpoint Source Program Fund.