

MURRYSVILLE STORMWATER BASIN RETROFITS
Growing Greener Grant Document # 4100080431
Sponsor: Westmoreland Conservation District

PROJECT DESCRIPTION:

One of the most common forms of stormwater management has been to establish a stormwater basin to control runoff. These basins, when properly designed and maintained have proven to be very effective in controlling runoff. Unfortunately, all too often these basins do not function as designed and/or are not properly maintained. In many cases these basins are not designed or built to today's standards, leaving much room for improvement. This project designed and constructed site specific BMPs to each of the identified basins. The improvements consisted of outlet riser modifications, vegetation management, flow path adjustments, and pollutant retention. All the BMPs had one central focus, to control the water entering and exiting the basins. This grant addressed 7 (seven) basins in need of retrofits in the Municipality of Murrysville.

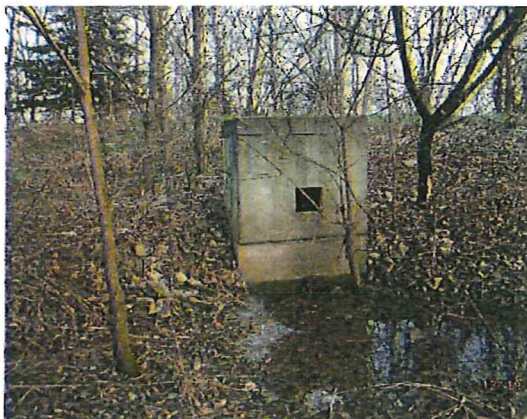
PROJECT GOALS:

The goals were to reduce uncontrolled runoff from the basins chosen for retrofitting. By controlling runoff, we improve downstream water quality and quantity, and improve stream habitat, reduce stream bank erosion, and flooding issues.

PROJECT RESULTS:

WCD implemented a variety of storm basin retrofit BMPs such as: riser modifications, flow path adjustments, pollutant retention, and vegetation management. We installed BMPs on 7 existing basins, which will control millions of gallons of water per year. Below is a BEFORE and AFTER of the Franklin Estates basin. This is a standard example of all the basins retrofitted, showing the outlet size reduced with steel plating and trash rack.

BEFORE



AFTER



PROJECT COSTS:

Grant was for \$64,620.00 Each Basin (7) was retrofitted for an average cost of \$9,000/ basin.

LESSONS LEARNED:

The value of partners is crucial. Without the Municipality of Murrysville involvement this could not have occurred. Thank you to the Municipality of Murrysville and IDC Inc.

CONTACT INFORMATION:

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