

# West Sadsbury Township Officers Run at Strasburg Road Stream Restoration

Fall 2024

## Officers Run at Strasburg Road Stream Restoration

West Sadsbury Township is collaborating with landowners along Officers Run to implement a stream restoration project along approximately 890 linear feet of Officers Run where the streambank is unstable and actively eroding. This project is anticipated to reduce sediment discharge into Officers Run, within the Octoraro Creek Watershed, by nearly 40,000 pounds per year.

In addition to the landowners along the project reach, West Sadsbury Township is also teaming up with the Chester County Conservation District, the National Fish and Wildlife Foundation, and LandStudies, Inc. to implement this water quality and habitat improvement project.

Construction of this floodplain restoration project is targeted for Fall 2024.

## What is a Stream Restoration?

A stream restoration project is a holistic restoration process that returns the stream channel and floodplain to a stabilized system with a functioning floodplain-wetland bench that will provide water quality benefits, reduced erosion and flooding issues, and significant ecological uplift. The restored channel and surrounding wetland area will provide critical habitat for a variety of fish, birds, and other species. Native grasses, wildflowers, herbaceous plants, trees and shrubs will be planted to enhance the existing grass buffer and help filter pollutant runoff.

Based on detailed site design and permitting authorizations from the Pennsylvania Department of Environmental Protection and the United States Army Corps of Engineers, the Officers Run at Strasburg Road Stream Restoration Project restoration will restore 890 linear feet of existing impaired channel and re-establish wetland areas.

## Purpose

The main goals of the Officers Run at Strasburg Road Stream Restoration Project are to **provide water quality improvements, improved groundwater recharge, reduced flooding and erosion, and restoration of native habitat** within the Octoraro Creek Watershed, other downstream waters, and ultimately the Chesapeake Bay.

As part of West Sadsbury Township's Municipal Separate Storm Sewer System (MS4) Permit, the Township is required to implement Best Management Practices (BMPs) to reduce pollution discharge to the waterways. This restoration project is a BMP that will **satisfy the sediment and nutrient reduction requirements** as part of West Sadsbury Township's current MS4 permit.



Existing Site Conditions



Restored Stream - Example