

Growing Greener Watershed Protection Grant
“Install Level Spreader in Airdrie Preserve”
Project # 4100080815
Grantee: Open Land Conservancy of Chester County

PROJECT DESCRIPTION: An existing stormwater management structure in the Open Land Conservancy’s Airdrie Forest Preserve has proven inadequate to cope with the heavy downpours of recent years, resulting in significant erosion within the Preserve and excessive sediment washing into tributaries of Valley Creek, an Exceptional Value waterway. The project created a 160’ level spreader to direct stormwater runoff away from the eroded area and deposit it along a contour where it is able to infiltrate without adding to the sediment load.

PROJECT GOALS: Reduce the sedimentation of the Valley Creek watershed.

PROJECT RESULTS: By capturing the runoff before it can reach the eroded gully through the Preserve, the level spreader will prevent an estimated 20.5 tons per year of sediment from entering the Valley Creek system.

Left, center: Runoff from existing site and resulting erosion. Right: New level spreader.



PROJECT COSTS: \$47,060, funded by DEP and the Valley Creek Trustee Council.

LESSONS LEARNED: It is critical to capture stormwater runoff as close to the source as possible, and to apply appropriate best management practices (BMPs) that are compatible with the project site.

PARTNERS: Valley Forge Trout Unlimited

CONTACT INFORMATION: Open Land Conservancy of Chester County, Tim Lander at richard.b.lander@gmail.com