



Norristown High School - Stormwater Management

Working through a grant established by the Montgomery County Planning Commission, the Philadelphia Water Department, the PA DEP, Stony Creek Anglers and several other partners, Viridian helped the Norristown Area School District to craft a program to reestablish healthy plant communities and appropriate stormwater infiltration along the 1 mile length of Stony Creek that runs through the Norristown Area High School site. Stony Creek suffers from poor water quality, habitat alternation, siltation, road runoff and flow variability. Working with Cahill Engineering, the team analyzed the existing site conditions and developed a series of eleven interventions and vetted the with the district's superintendent as well as the school's maintenance staff. This step is essential to the long-term success of any restoration program as those in command and those actually performing the work much understand the steps necessary to substantive change.

Interventions included:

- Convert Portion of Parking Lot to Permeable Pavement w/ Infiltration
- Convert Lawn to Native Landscape
- Restore Stream Buffer
- Disconnect storm drains and redirect to vegetated features
- Retrofit Detention Basins
- Alter maintenance practices to reduce mowing and fertilizing
- Provide signage to help explain why landscapes look different

Location: Norristown, Pennsylvania

Client: Norristown School District

Size: 99 acres

Cost: \$1 million in phased site improvements

Status: Ongoing