

Fox's Stormwater Detention Improvements

Design Features: Stormwater detention basin, vegetated swale, Redi-Rock block wall, and tree plantings

Date of Installation: Fall 2023

Location: 4425 William Penn Hwy, Murrysville, PA 15668

Client: Fox's Pizza Distribution Center, Elite Custom Coach, and Westmoreland Heritage Trail

Cost: \$97,633 from Growing Greener, \$17,350 In-Kind match from partners, total cost \$114,983

Project Partners: Westmoreland Conservation District, Fox's Pizza, Elite Custom Coach, Westmoreland Heritage Trail, and Westmoreland County Parks

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Project Specifications

Ever since the expansion of Route 22 through Murrysville, the undeveloped piece of property owned by Fox's Pizza corporate headquarters in Murrysville has been plagued with stormwater flooding issues. The excess stormwater has caused damage numerous times to not only Fox's Property, but the neighboring properties of Elite Custom Coach and the Westmoreland Heritage Trail. Along with the damage to the local businesses and recreational rail-trail, the uncontrolled stormwater flows directly into Turtle Creek, carrying with it any and all pollutants from Route 22, parking lots, and housing developments into the watershed. Westmoreland Conservation District partnered with the above mentioned partners and with grant funds was able to design and construct stormwater best management practices (BMPs) to control and manage stormwater runoff. The BMPs installed include a new stormwater detention basin, a vegetated swale, tree plantings, and a block wall made of Redi-Rock on approximately ½ acre property. The project was completed by Earth Shapers LLC, with oversight by WCD.



View of newly constructed basin looking towards Route 22



Before Construction: Flooding of parking lot facility at Fox's Pizza.

Benefits

The purpose of this project is to reduce flooding. The new stormwater basin will capture, control, and slowly release stormwater runoff and prevent parking lots and neighboring properties from flooding. The block wall provides a physical barrier in between the parking lot and the basin during large storm events. The basin will allow sediment to filter out before it reaches Turtle Creek, reducing the amount of sediment pollution and improving water quality.

Before Construction



After Construction



View looking towards the Westmoreland Heritage trail.



New riser structure with trash rack will ensure that debris does not block the inlet pipe, to allow for stormwater to flow out of the basin.



Site after Redi-Rock wall was installed