

Project Description - Install storm water controls using green infrastructure at the Shop N Save in Mt. Pleasant Township in the Borough of Mount Pleasant, Westmoreland County, Pennsylvania. Shupe Run, a tributary to Jacobs Creek, floods due to the outdated and undersized storm systems. Surging storm water flows mix with raw sewage, road pollutants, and sediment and enters Shupe Run and Jacobs Creek, destabilizing the stream banks and polluting the streams.

Project Timeframe - October 01, 2016 through June 30, 2021

Project Goals - Install green infrastructure for storm water controls at Shop N Save in the Mount Pleasant Borough.

Pictures –



Project Results – Green infrastructure including, Water Quality Inlets (5 each), Rain Gardens (714 square feet), and Underground detention\infiltration system (6,578 cubic feet) was installed at Shop N Save in Mount Pleasant, PA.

Lessons Learned - Landowner willingness is sometimes slow and multiple design changes eat into the project costs. The JCWA will have to hold more meetings with landowners to get a sense of what they might envision prior to asking the consultant to design something. Mt. Pleasant Borough is a very willing partner to work with. More time is always needed to complete a project. Time extensions to the grant were given in order to rewrite the Scope of Work for Shop N Save. Due to the length (years) of this grant, the construction costs and prevailing wages are always changing. Because of changing costs and prevailing wages, it was hard to solidify the actual cost of the project during revision.

Project Costs - \$299,726 EPA Section 319(h) plus an additional \$103,764 in matching funds.

Partners – Jacobs Creek Watershed Association, Nevaeh Pipe Bursting, Pennsylvania Department of Community and Economic Development, Simko Project Management Services, and The Markosy Engineering Group.