

Kinlock Basin

Design Features: 400,000-gallon detention pond

Date of Installation: 2011

Location: Haser Drive, New Kensington, PA 15068
40.560466, -79.737106

Client: City of Lower Burrell

Cost: \$ 86,305.00

Project Partners: Westmoreland Conservation District, City of Lower Burrell, Pucketa and Chartiers Watershed Association, the Municipal Sanitary Authority of New Kensington, and the Westmoreland County Housing Authority.

Project Contact: Rob Cronauer, Rob@wcdpa.com



View of completed detention pond project

Project Specifications

Prior to construction of the detention pond, uncontrolled runoff would enter a small tributary above the community of Kinlock. The runoff would travel down an extremely high gradient stream before entering Pucketa Creek. Due to the gradient of the stream, and high storm flows (lack of storm water control), the streams banks continued to erode causing excess siltation. The excess siltation and debris would clog and overtop the existing storm water facilities and the residents of Kinlock would become flooded.

In 2011, the construction of a 400,000-gallon detention pond was built in New Kensington to relieve flooding in the Kinlock neighborhood of Lower Burrell. The 15-foot-deep basin captures and holds in excess of 400,000 gallons of stormwater and slowly releases the water into Pucketa Creek, reducing the damaging floods that have plagued the tiny community outside Lower Burrell for two generations.

Most of the funding for this project came from a Community Development Block Grant, given by the

Westmoreland County Planning Department to the City of Lower Burrell. Other partners in the project include: Westmoreland Conservation District, Pucketa and Chartiers Watershed Association, the Municipal Sanitary Authority of New Kensington, and the Westmoreland County Housing Authority.

Benefits

Since 2011, the community of Kinlock has not been flooded.

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Site prior to construction of Detention Pond. Note: water flowing during low flow. Can you imagine what this would look like after a large rain event?



Site after construction with installed rock lined channel leading to the newly installed 400,000- gallon detention pond.