

### Camp Run Road, Dirt Gravel Road Project

**Design Features:** filling and raising of the road, grade breaks with crosspipes, infiltration trenches

**Date of Installation:** 2023

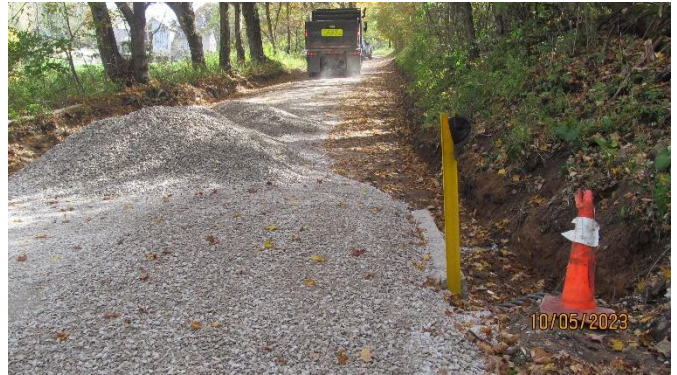
**Location:** Camp Run Road, Donegal Township, Westmoreland County

**Client:** Donegal Township

**Cost:** \$55,010.70 of Low Volume road funds were used with an In-Kind contribution of \$35,178.59 from the township. The total cost of the project was \$90,189.29.

**Project Partners:** Donegal Township, Westmoreland Conservation District, and the Center for Dirt and Gravel Road Studies.

**Project Contact:** Kelly Brestensky, [kelly@wcdpa.com](mailto:kelly@wcdpa.com)



*Gravel was added to raise the road and add stability to driving surface.*

### Project Specifications

Previously, rainfall was trapped and concentrated on the driving surface due to the entrenchment of the road. This caused large amounts of erosion in the ditch lines and driving surface, which carried sediment and storm water to the nearby stream as well as caused flooding issues for residents. The road was filled to eliminate the entrenchment and allow for sheet flow of water. Several grade breaks with crosspipes helped to divert the water off the roadway, as well as encourage infiltration at stabilized outlets.

### Benefits/Performance Measures

Through the installation of grade breaks, the stormwater no longer has the opportunity to erode the road surface. The crosspipes then convey the water through the roadway into infiltration trenches where the pollutants can drop out.

This results in reduced maintenance costs for the township and adjacent landowners, who experienced flooding due to large volume of runoff from the road. A large infiltration trench directed into a forested area helped to redirect road runoff away from the landowners.



*(Before) Water and erosion on road impairing driving and stability.*

*(After) Road built up with gravel and grade breaks to divert the flow of water and stabilize driving surface.*

