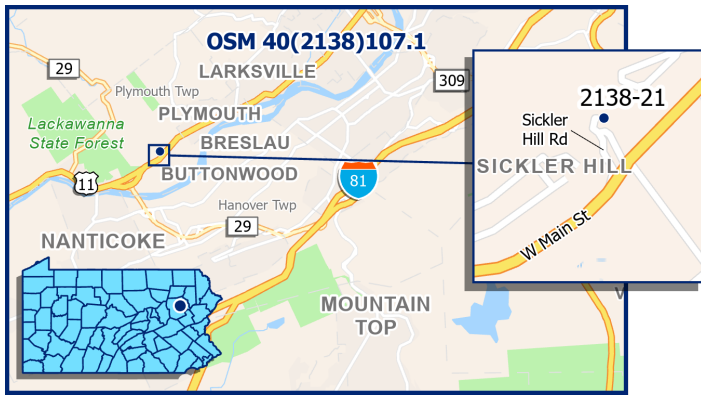




130 SICKLER HILL ROAD SUBSIDENCE ABANDONED MINE RECLAMATION PROJECT

Office of Active and Abandoned Mine Operations

Purpose →

To eliminate eligible abandoned mine public health and safety hazards that were located near a residence.

A metal pipe was installed under the OSM 40(2138)102.1 Curry Hill/Avondale project to convey drainage through the 130 Sickler Hill Road property, Plymouth Township, Luzerne County. The pipe is approximately 200 feet in length and conveys runoff beneath the side yard, the paved driveway, and the main yard to an established channel. The bottom of the pipe was severely rusted, and two sections of the pipe were separated beneath the edge of the paved driveway and main yard. These separated sections caused material to collapse into the pipe, forming a subsidence on the driveway. In addition, the main yard had settled above the pipe.

The project work consisted of mobilizing equipment, installing erosion and sedimentation controls, site preparation, diversion and care of water, drainage excavation, sliplining a new 54-inch diameter smooth interior snap-tite pipe into the existing damaged 72-inch diameter corrugated metal pipe, filling and sealing the space between the two pipes, backfilling, sawcutting and paving portions of asphalt driveway, seeding, and demobilizing equipment. The project area was cleaned up at the completion of the project.

Accomplishments for this project include the reclamation of Abandoned Mine Land Feature (AMLF) No. 2138-21, classified as a Priority 1 Clogged Stream (CS) feature, which subsequently restored the conveyance of drainage through the property for a length of 0.1 miles.



Project at a Glance

Location:

The project is located in Plymouth Township, Luzerne County. Take Interstate 81 to Exit 164 for PA-29 N toward US-11/ Nanticoke. Continue onto PA-29 N for 4.7 miles. Exit right onto US-11 N towards Plymouth. Continue along US-11 N for approximately 1 mile and turn left onto Sickler Hill Road. The project site is at the top of Sickler Hill Road.

Watershed:

Harvey Creek, Cold Water Fishery (CWF)
Susquehanna River, Warm Water Fishery (WWF)

Project Period:

November 18, 2022 – June 19, 2023

Project Size:

0.5 Acres

Total Project Cost:

\$335,583.00

Funding:

Funding was made available through Pennsylvania's federal Abandoned Mine Land Reclamation Program.

Contractor:

Fabcor, Inc.

Property Owners:

Eugene and Sybille Burge
Steven Kepic
Richard and Gloria Matthews
Cynthia Jon Evans
Plymouth Township

Project Management:

Bureau of Abandoned Mine Reclamation
Wilkes-Barre District Office



Pennsylvania
Department of
Environmental Protection

**130 SICKLER HILL ROAD SUBSIDENCE
ABANDONED MINE RECLAMATION PROJECT**

Pre-Construction



The collapsed corrugated metal pipe created a subsidence in the driveway and yard of the residence at 130 Sickler Hill Road



An alternate view of the subsidence in the driveway and the yard



A close-up view of the growing subsidence in the yard, located directly above the collapsed top of the corrugated metal pipe



A view of the interior of the damaged 72" diameter corrugated metal pipe to be slip-lined with the 54" diameter snap-tite pipe

**130 SICKLER HILL ROAD SUBSIDENCE
ABANDONED MINE RECLAMATION PROJECT**

Construction

20-foot section of snap-tite pipe
awaiting installation



54" smooth-interior snap-tite pipe prepared for installation into the
existing damaged corrugated metal pipe

**130 SICKLER HILL ROAD SUBSIDENCE
ABANDONED MINE RECLAMATION PROJECT**

Post-Construction



View of the upstream end of the installed pipe



A view of the downstream end of the pipe after installation was completed



View of the joint between the new asphalt and the existing Sickler Hill Road



View of the new asphalt and residence at 130 Sickler Hill Road

