



BERNIER CONSTRUCTION, INCORPORATED PROJECT SUMMARY

Project Title: Baxter North Abandoned Mine Reclamation Project

Location: Clover Township, Jefferson County, Pennsylvania

Scope: Provide labor, materials, equipment, and supervision to reclaim an abandoned strip coal mine area

Berner Construction was awarded a contract from the PA Department of Environmental Protection, Bureau of Abandoned Mine Reclamation, to reclaim an abandoned strip coal mine site located in Baxter North, Clover Township, Jefferson County, PA. The 49 acre site is primarily located on privately owned land divided into several discrete parcels. The 49-acre



ecosystem restoration project included clearing and grubbing, implementation of the Erosion and Sedimentation Control Plan, alkaline addition, rock underdrain construction, gas line relocations, permanent access roads construction, grading, site restoration and tree planting.

Texas Keystone natural gas pipelines transect the site in two locations. The gas line was relocated by Berner and Texas Keystone personnel so that the grading activities would not interfere with the pipeline transmission.

The project included the placement of 915 tons of high alkaline limestone at the base of the highwall, installation of 2,050 linear feet of rock underdrain, and the installation of 800 linear feet of permanent storm water diversion swales. Approximately 680,000 cubic yards of displaced materials from the mining operation were used to backfill and grade the abandoned mine site. The scope of work also included the construction of a half-acre stormwater retention basin that collects water from a 25-acre parcel of the property. The final site restoration included planting 40,425 trees and seeding, fertilizing, and mulching 49 acres of restored area.

Berner utilized a Topcon® machine-mounted GPS system to provide grade control during the backfilling and grading operations. The GPS was also used to install the rock lined storm water channels and the construction of a half acre stormwater retention pond that was included in the project design.

