



BERNER CONSTRUCTION, INCORPORATED PROJECT SUMMARY

Project Title: Westland Abandoned Mine Reclamation Project

Location: Chartiers Township, Washington, PA

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 Chartiers Township in Washington County, PA. The ecosystem restoration project included clearing, grubbing, excavating, backfilling, grading, constructing ditches and rock-lined channels, installing subsurface drain piping, constructing access roads, and site restoration, including planting 16,500 trees. Over 700,000 cubic yards of displaced materials was used to backfill and grade the abandoned mine site that involved a total of 36 acres.



Channel with Tied Concrete Block Mat

The site grading was completed by the construction of hummocky piles which creates a rough terrain. Once grading was complete, the 36-acre site was restored by spreading soil amendments including lime and fertilizer. Trees were then planted and the site was hydroseeded with a wild flower seed mix as well as conventional seed to attract pollinators. Mulch was then applied to the newly graded and seeded areas in accordance with the project plans and specifications.

Berner's two Caterpillar® D-11 bulldozers, excavators and off-road articulating dump trucks were used to relocate the mine spoils and perform the grading operations. Berner utilized a TopCon® GPS system, mounted on the bulldozers to maintain the proper grades through the duration of the project.

In addition, the project included the implementation of the Erosion and Sedimentation Control Plan which consisted of the installation and removal of over 4,200 linear feet of super silt fence, and construction of 3,850 linear feet of brush barrier for erosion control and wildlife habitats. The project also included wetland restoration and the placement of 750 square yards of tied concrete block mat for the stabilization of storm water channels.



Completed Area with Hummocky Piles and Seeded with Wildflower Mix