MagnumStone™ Solution

PROJECT NAME
Borough of Dudley

MANUFACTURER
York Building Products

WALL DESIGNER
ELA Group

DEVELOPER-OWNER
Borough of Dudley

LOCATION
Dudley, PA

CONTRACTOR / WALL INSTALLER
G & H ANDERSON EXCAVATING

CIVIL ENGINEER
GHD

GEOGRID
Strata SG200

YEAR BUILT
2010
An old failing bridge was removed and the retaining wall was necessary to rehabilitate the stream bank and maintain the integrity of the adjacent driveway. The civil engineer specified a large precast block system for the project (in lieu of segmental blocks) because they were concerned about potential scour issues during high water events. The stream was rerouted through a large HDPE pipe during wall construction and the wall foundation area had to be dewatered continuously with a pump until the block was above the groundwater level. Geogrid and #57 stone was used for the reinforced zone of the wall. A safety fence and guide rail were placed at the top of the wall and rip-rap was placed at the base along the stream. The total wall area installed was 1,014 SF.