**MagnumStone™ Solution**

**PROJECT NAME**
West Milton Stormwater Improvements

**MANUFACTURER**
York Building Products

**WALL INSTALLER**
Keister Construction

**DEVELOPER-OWNER**
SEDA-COG (SEDA Council of Governments)

**Location**
New Columbia, PA

**ENGINEER**
ELA Group

**GEOGRID**
Strata SG200

**YEAR BUILT**
2011

Engineered for strength... designed for beauty
The West Milton Stormwater Improvement project rehabilitated stream banks that run through a portion of town. Funding was received to rebuild the stream banks that were a conglomeration of old failing walls of various types that were no longer structurally sound. ELA Group was very familiar with MagnumStone having done a design for a stream project before. They prefer to use large wet-cast MagnumStone where there is potential for scouring from large volumes of water rushing down the stream bed. Two full courses were embedded as required by scour analysis and the entire geogrid zone was backfilled using #57 stone. The job started under very difficult construction conditions with melting snow inundating the site in February of 2011. Double-sided blocks were utilized for the top course as a barrier/parapet and the fence was mounted directly in the concrete filled hollow cores. The walls have performed perfectly, surviving a tropical storm in the fall of 2011 which dumped over 15 inches of rain over a few days.