

USER PROFILE

Scott A. Miller Consulting

From Little Rock, Arkansas, Scott A. Miller Consulting provides complete design services for segmental retaining walls, reinforced slopes and other soil-reinforced structures around the country. Owner/operator Scott Miller (aka "Sam") has practiced as a geotechnical engineer in Tennessee, Arkansas and Alabama for the past 15 years and is a registered professional engineer in 31 states.

Most of Miller's clients are wall installers who subcontract the design-build portion of a wall installation. He works frequently with Pavestone Company, an Anchor Wall Systems licensee, through their offices located in Grapevine and San Marcos, Texas, Chattanooga,



Tennessee and Lacombe, Louisiana. "I appreciate working with Pavestone because they really know the block system. It makes my job easier. Pavestone typically finds the jobs, meets with owners or developers, asks them to consider Anchor Wall Systems retaining walls, then contacts me to do the engineering."

Says Miller, "About three-quarters of our projects are under 3,000 square feet - the bread and butter of our business. We also work on very large projects (over 10,000 square feet) and walls up to 44 feet (for state highway authorities)." In 1999, Scott A. Miller Consulting supplied clients with over 400 preliminary designs and over 200 complete wall designs.

The Northeast Crossing project in North Richland Hills, Texas is a good example of the types of projects Miller works on. Miller was asked to design a 4,250 square-foot detention pond for retail developer Trademark Retail, Inc. Unlike a retention pond, which "retains" water, a detention pond temporarily "detains" water, helping slow the flow of water after heavy rains to prevent flooding downstream.

Miller designed the wall-lined pond so that incoming water reaches the top of the eight-foot-high walls and comes back down again in a few hours (as it slowly drains through a narrow pipe into the sewer system). To do so, he calculated soil pressure in a dry condition, then factored in hydrostatic forces. Miller added supplemental wall drainage so that the water forces would not create excess pressures behind the wall. The project specified Anchor Vertica® blocks and Mirafi 3XT Geogrid.

Miller utilizes advanced technology including AutoCAD, SRW WALL by NCMA and MSEW to generate his designs. For added convenience and timesavings, Miller uses the Internet to send and receive drawings when clients have Internet access.

For more information, contact Scott A. Miller Consulting at (501) 228-4718 or by email at segwalls@swbell.net.