

OVERVIEW: Earthen Dam Protection at the Ivy Glen Neighborhood Ponds, Franklin, Tennessee

During the summer of 2003 an upscale residential neighborhood in Franklin, Tennessee recognized the need for protection and restoration on two earthen dam faces in a highly visible section of their subdivision. The neighborhood association appropriated money to contract a design/build contractor to assist in solving the problem of soil erosion and to recommend a means for which the residents could better access/utilize and experience the many aesthetic and functional benefits of this aquatic feature.

The scope of the project was to reconstruct areas near and on the dam face including the two dam crests themselves. At the same time provide pedestrian access across the dams as well as improve the general maintenance of the dam crests.

A total of 4,100 SF of ArmorLoc 4511 hand-placed ACB block revetment was specified and installed along the dam where the water met the face. The block units were placed atop site specific filter fabric and backfilled with light angular limestone rock as a means to reduce unwanted vegetation along the shoreline. The entire project from beginning to end took two days including site prep and final seeding. Four laborers and one piece of heavy equipment (a back hoe) were used to complete the project. The association is extremely pleased with the outcome and has found a whole new reason to spend more time around the ponds.



PRODUCT: Armortec ArmorLoc Class 4511 Articulating Concrete Block Units (ACB)

AMOUNT: 4,100 Square Feet

DATE: Summer 2003

OWNER: Glen Ivy Subdivision, Franklin, Tennessee (20 miles south of Nashville)

ENGINEER: Owner requested a design/build from contractor.

CONTRACTOR: Crowder Construction Co. Inc., Lebanon, TN.
Phone: 615-405-0003

SUBMITTED BY: David Kees

DATE: April 2004

