



OVERVIEW: Mill Creek Flood Damage Reduction and Channel Improvement, Cincinnati, OH

During the fall of 2003 the Mill Creek Conservancy District in Cincinnati, Ohio recognized the need for protection of its creek channel over a stretch of 2500 linear feet. This area of the Mill Creek has been unprotected and is (as other stretches have been) expected to transport enormous storm water flows from north of downtown to the Ohio River approximately six miles away.

The scope of the project was to clear and widen slightly the existing intercity channel to provide a greater capacity of controlled water to flow. The U.S. Army Corps of Engineers Louisville District permitted and designed the protection method and presented their solutions which included Articulating Concrete Blocks (ACB's) to be hand-placed along the streambanks. Additions to the hard armor were also employed including Turf Reinforcement Mats (TRM's) above the heavy flow line and woody vegetation plantings in the form of willow trees.

A total of 79,500 SF of ArmorLoc 5011 hand-placed ACB block revetment was specified and installed over the length of the project. Natural soils were backfilled into the open cells of the block units as a means to promote vegetation. The project was completed in three months from December 2002 to February 2003.



PRODUCT:	Armortec ArmorLoc Class 5011 Articulating Concrete Block Units (ACB)
AMOUNT:	79,500 Square Feet
DATE:	Winter 2002
OWNER:	Mill Creek Conservancy District, Cincinnati, Ohio
ENGINEER:	USACE, Louisville District
CONTRACTOR:	Sunesis Construction Company, Cincinnati, OH. PH: 513-326-6000
SUB- CONTRACTOR:	Decorative Paving Company, Inc., Dayton, Ohio
SUBMITTED BY:	David Kees
DATE:	April 2004

