



SF-Rima - Project Report # 25

Project:

U.S. Army Reserve (National Guard)
600 Shiloh Dr.
Mount Vernon, IL

47,260 sq.ft. SF-Rima™

This parking lot was built to accommodate vehicles driven by reservists for active duty on weekends. It serves for public events at the reserve as well.



Photo courtesy: Russ Stout, Earthworks

The City of Mount Vernon requires the capture of rainfall from a 10-year event to reduce stormwater runoff.

And the U.S. Department of Defense and the Army Corps of Engineers strive to implement LID practices in most new paving projects.

Common LID Best Management Practice (BMP) is a technique used to remove or reduce pollutants found in stormwater runoff, preventing the contamination of receiving waters. SF-Rima™ permeable pavement is a BMP choice.



SF-Rima™ was the chosen permeable paving stone system for this military application. The subgrade consists of clay soil. A layer of subbase material (Illinois Department of Transportation CA-1 [~ASTM No.2]) in a thickness of a minimum of 10 inches was placed and topped with a 2 inch layer of Illinois Dept. of Transportation CA-7.

SF-Rima™ stones were placed on a 2 inch paver bedding consisting of CA-16, which is similar to ASTM No. 8.



The travel lanes will be paved with concrete.

SF-Rima™ manufacturer:

Hessit Works, Inc., Freedom, Indiana

Installer:

Drivestone Mechanical, owned and operated by John Dillingham, Jackson, Missouri

Supplier:

Earthworks, Inc., Perryville, Missouri