

Wednesday, April 23, 2008

12:40 PM – 1:30 PM

Room 126

Engineering & Architecture Building

All are invited to attend

Pizza will be served

Environmental Engineering Seminar Series

**Designing for Stormwater Sustainability
Green Infrastructure BMPs**

**Robert G. Traver, Ph.D., PE, D.WRE
Villanova Urban Stormwater Partnership
Department of Civil and Environmental Engineering
Villanova University**

Stormwater Management has changed dramatically in the last several years, as it has moved away from a flood control perspective toward sustainability of our rivers and watersheds. We have moved from detention basins, to incorporating Best Management Practices (BMPs) such as stormwater wetlands, pervious pavements, green roofs and bioretention in conjunction with Low Impact Development utilizing green technologies. It must be understood that we are just beginning to understand the linkages and unit processes needed to apply this design concept. Many of these BMPs have been constructed and are under study at Villanova. Dr. Traver will discuss the issues, and results from these studies. Further information on these research sites is available at www.villanova.edu\VUSP.