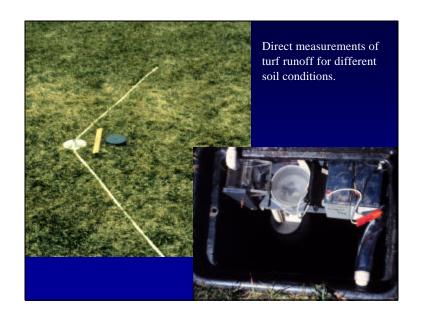
## **Examples of Landscaping Options that Benefit Stormwater Management**

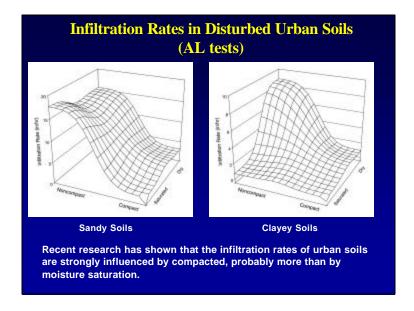
Robert Pitt
Department of Civil and Environmental Engineering
The University of Alabama
Tuscaloosa, AL 35487



















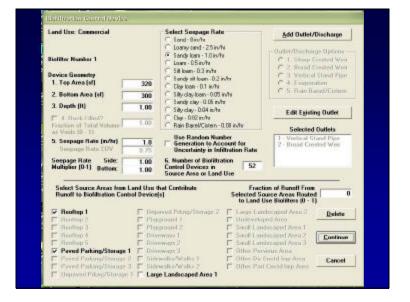














Birmingham Southern College Campus (map by Jefferson County Stormwater Management Authority)

<b>a</b>	, ,		4.0
Sunn	lemental	rrigg	ation

	Inches per month (example)	Average Use for ½ acre (gal/day)
Late Fall and Winter (Nov-March)	1 to 1-1/2	230 - 340
Spring (April-May)	2 to 3	460 - 680
Summer (June- August)	4	910
Fall (Sept-Oct)	2 to 3	460 - 680
Total:	28 (added to 54 inches of rain)	

## Birmingham Southern College Fraternity Row

	Acres	% of Total
Roadways	0.24	6.6%
Parking	0.89	24.5
Walks	0.25	6.9
Roofs	0.58	16.0
Landscaping	1.67	46.0
Total:	3.63	100.0

## Capture and Reuse of Roof Runoff for Supplemental Irrigation

Tankage Volume per Building (ft <sup>3</sup> )	Percentage of Annual Roof Runoff used for Irrigation
,000	56%
2,000	56
4,000	74
8,000	90
6,000	98

## Combinations of Controls to Reduce Runoff Volume

	Total Annual Runoff (ft3/year)	Increase Compared to Undeveloped Conditions
Undeveloped	46,000	
Conventional development	380,000	8.3X
Grass swales and walkway porous pavers	260,000	5.7
Grass swales and walkway porous pavers, plus roof runoff disconnections	170,000	3.7
Grass swales and walkway porous pavers, plus bioretention for roof and parking area runoff	66,000	1.4