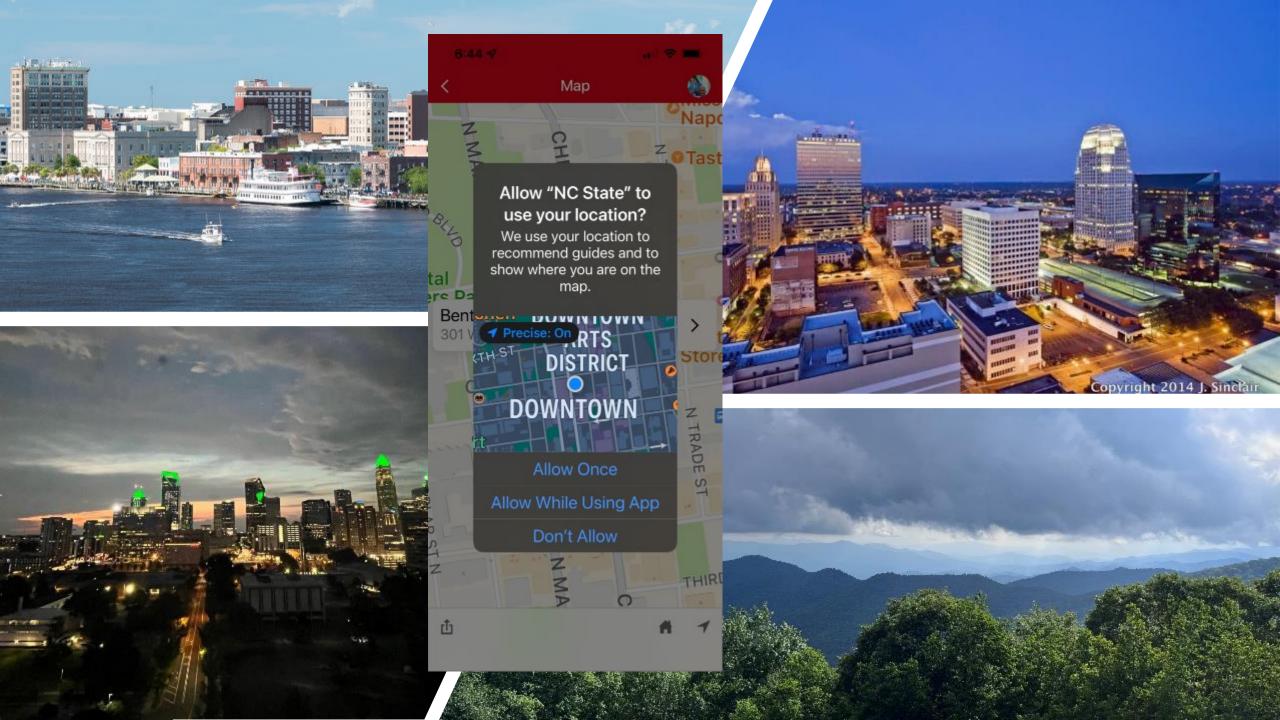


Location Location Location.

The placement of SCMs means more than you think.





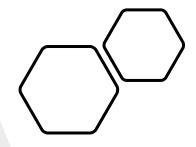
About 1,550,000,000 results (0.65 seconds)

Benefits of Green Design

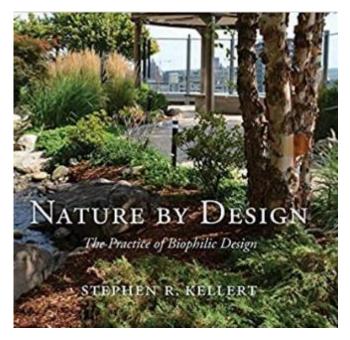
- Reduced environmental impact through material and resource conservation.
- Increased efficiency of heating and cooling systems.
- Reduced operating and utility costs.
- Increased daylight access.
- Enhanced occupant comfort and health.

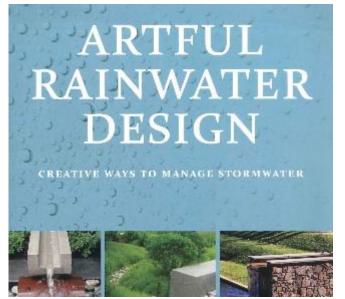
Feb 13, 2014

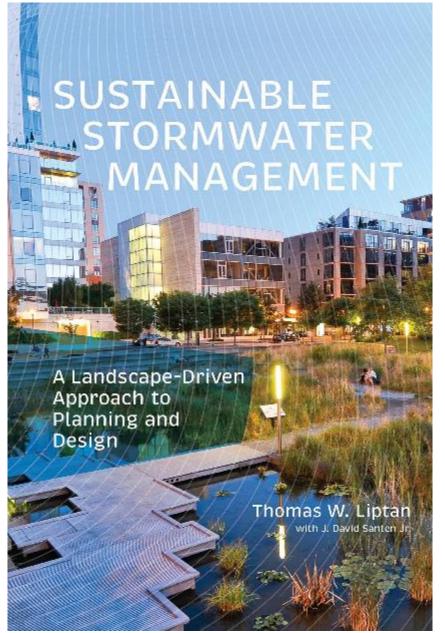
BENEFITS TO
THE
ENVIRONMENT

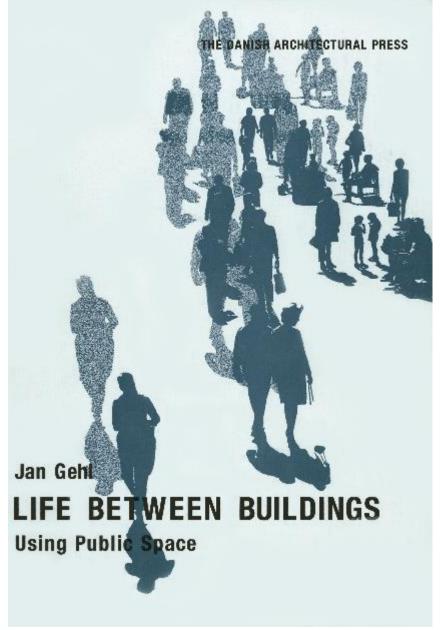


BENEFITS TO
THE PEOPLE
AND
COMMUNITY















■ McAdams



why timing

maps

events

photos & videos

news

support





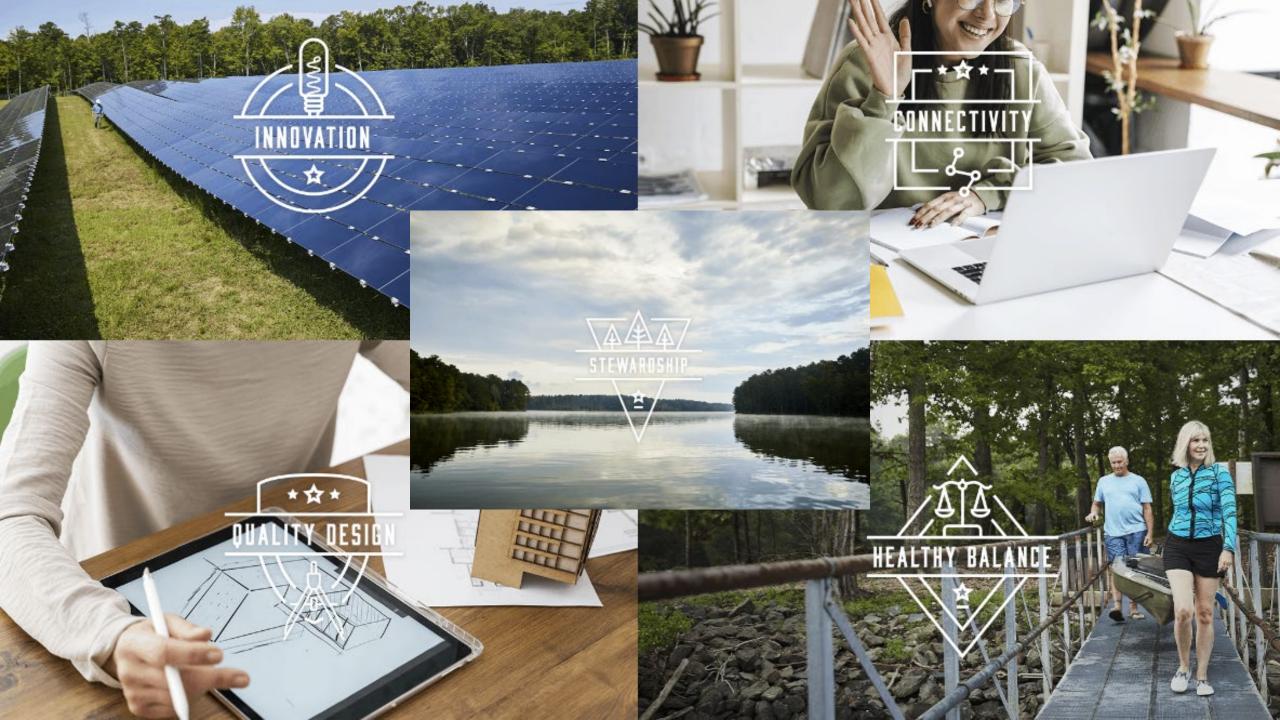




THE FIVE PILLARS WE STAND FOR

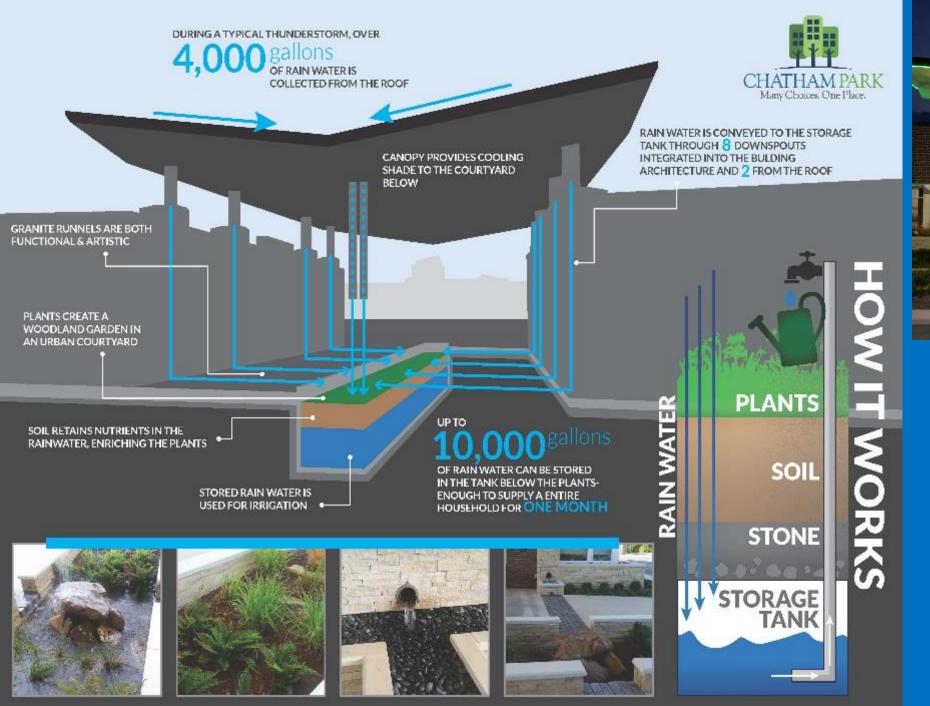
We're creating way more than buildings and roads. Spanning across 7,068 acres, we're creating a whole new kind of community. It's these five pillars that inform every planning decision we make, combining for a well-rounded life here.











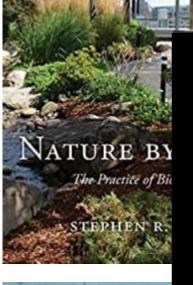




BENEFITS TO
THE
ENVIRONMENT

COMMUNITY BENEFITS

BENEFITS TO THE SCM



Case Study





Effect of Visibility on Maintenance Investment and Consequent Performance of Urban Stormwater Control Measures

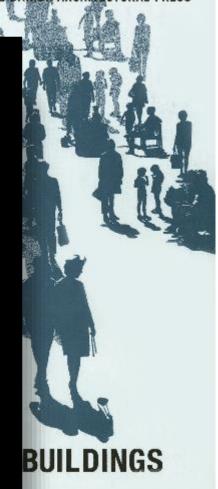
Sheida Moin, S.M.ASCE1; William F. Hunt III, M.ASCE2; François Birgand3; and Steve Ratzlaff4

Abstract: Studies on the performance of urban stormwater control measures (SCMs) mainly focus on hydrologic and biological factors. SCMs are located in an urban context and humans are part of this ecosystem, yet few studies have investigated the effect of human interaction on SCM performance. While SCM designs rarely encourage physical human interaction, their placement in the urban landscape does allow visual interaction. This study explores the impact of SCM visibility on the degree of maintenance received and, consequently, on the hydrologic performance of the system. Forty SCMs, including 20 bioretention cells and 20 wetlands or wet ponds, were assessed. Visibility was evaluated through SCM surveys to determine viewshed size, noticeability, and potential passerby traffic. Hydrologic performance was evaluated through (1) visual inspection, (2) surveying vegetation health, (3) measuring drawdown rates, and (4) soil tests of bioretention media. As the degree of maintenance varied for each SCM, previous maintenance records, including cost data for the preceding year, were obtained and compared to visibility scores and hydrologic performance metrics. The study findings concluded that (1) smaller practices



CREATIVE WAYS TO MA









Existing conditions CP-SCM#6



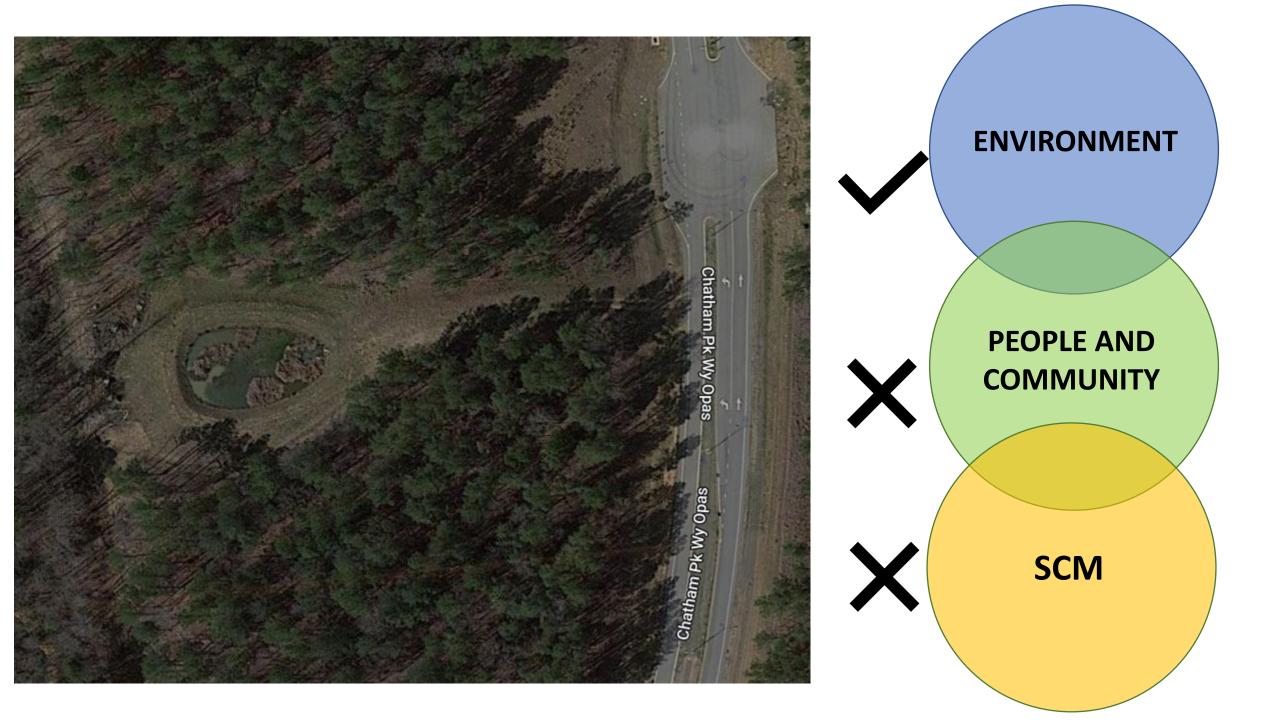
Interior slopes have experienced excessive rill erosion



Interior slopes have experienced excessive rill erosion



The drawdown upturn device needs repair

















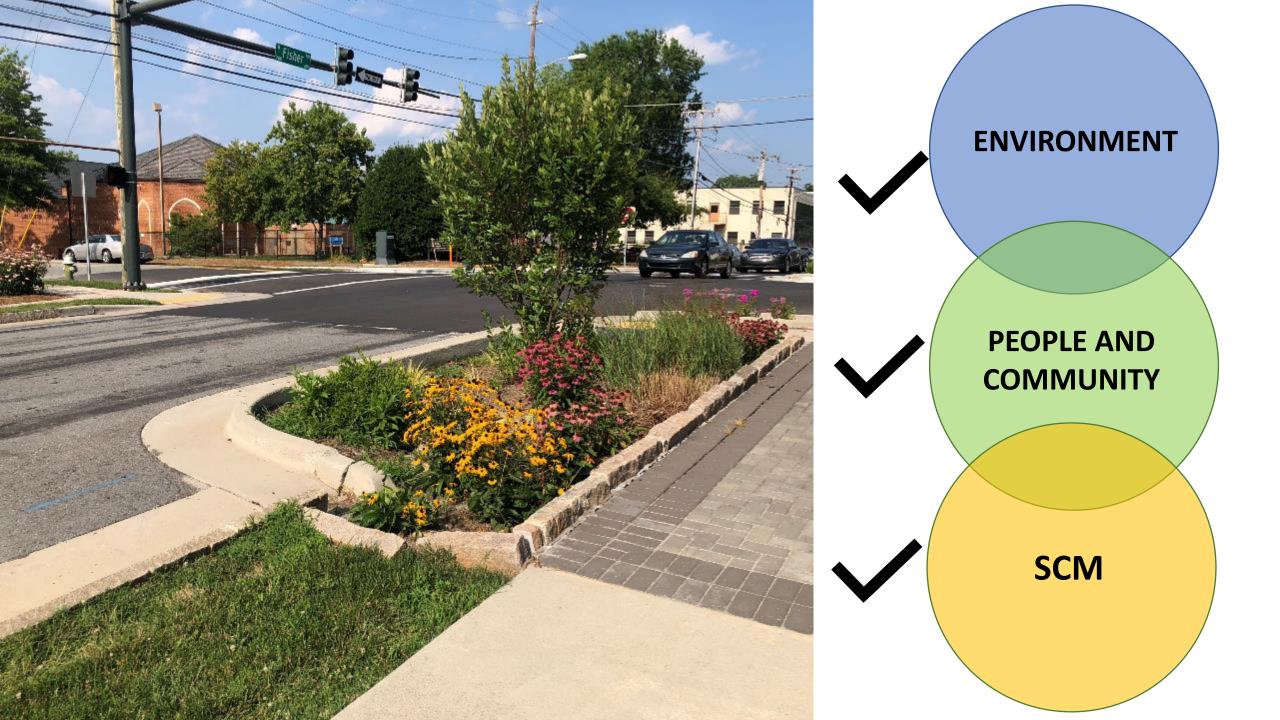


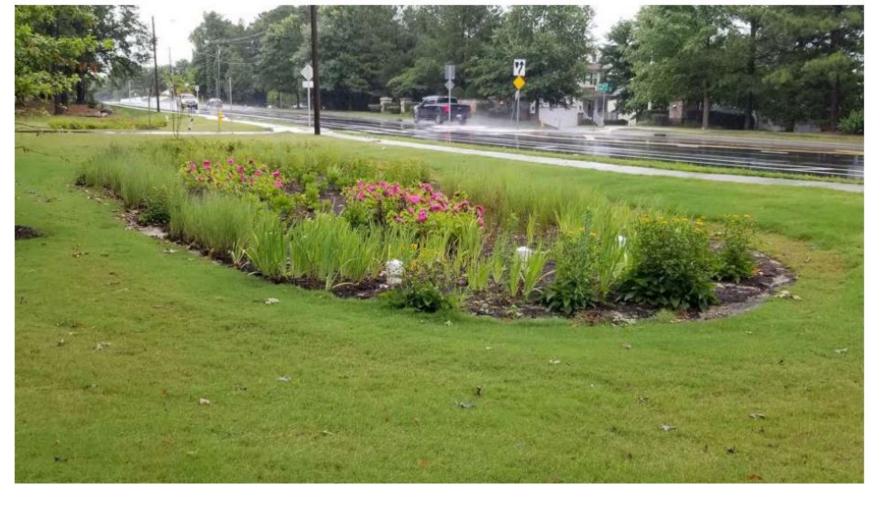
Effect of Visibility on Maintenance Investment and Consequent Performance of Urban Stormwater Control Measures

Sheida Moin, S.M.ASCE1; William F. Hunt III, M.ASCE2; François Birgand3; and Steve Ratzlaff4



- More frequent maintenance visits
- Quicker detection of major issues
- Higher costs, but higher value



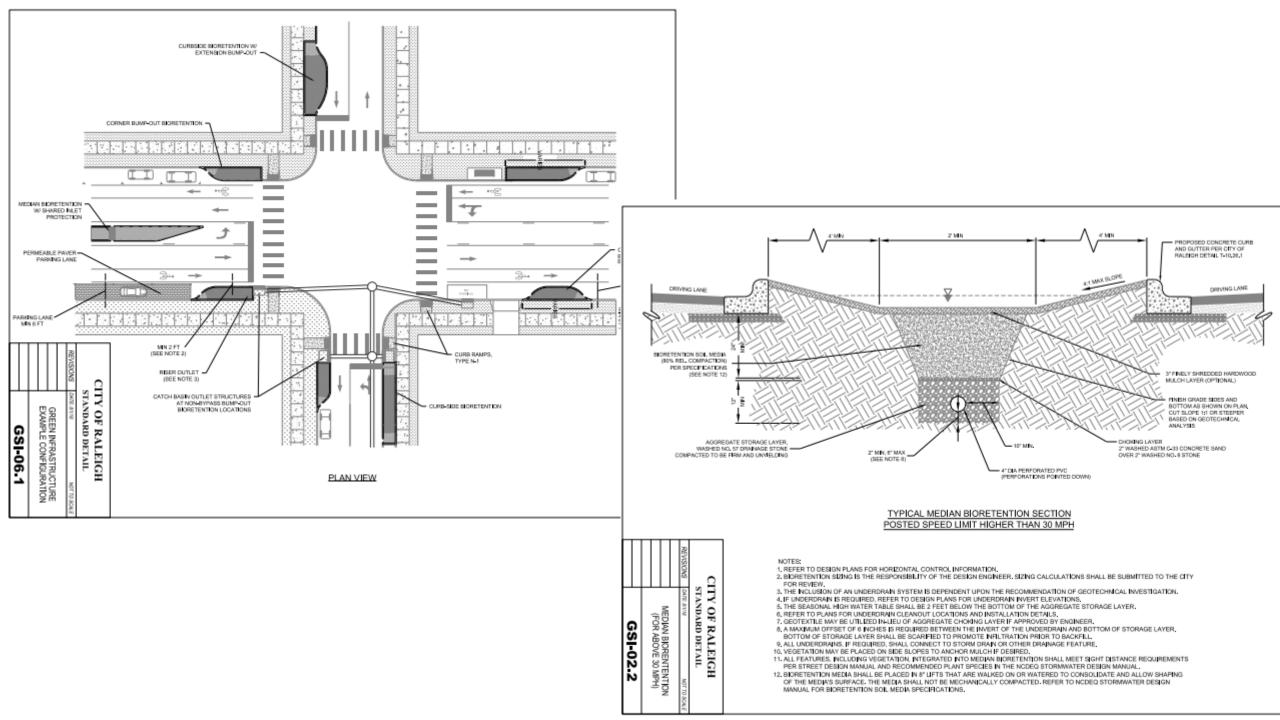


Advancing Use of Green Stormwater Infrastructure

Bringing more green, eco-friendly features to Raleigh that help protect waterways



- Staff Support
- Text Changes & Ordinance Revisions
 - Departmental coordination
- Include GSI in Rezoning Conditions
- Standard Details
- Cost Sharing







The Pond

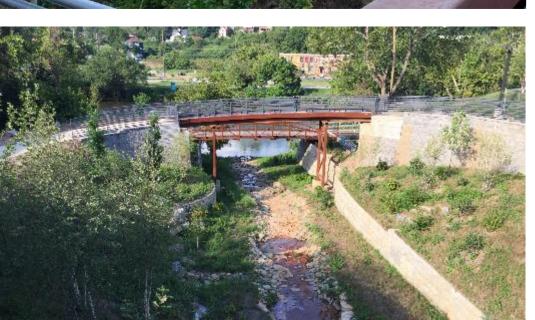
The Mooun field is a living laboratory for the exploration of art, contemporary design and assumed explorator from management. This constructed landscape is laborated to manage atom notes from from a 50-sere drainage area starting at the movified Building boung the Massauris permanent collection of art, and flowing the table to the Parid.







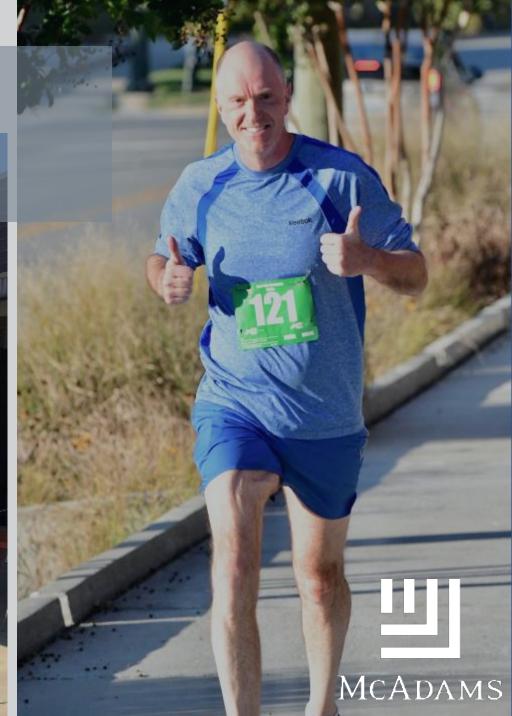






Human interaction benefits the SCM and SCM interaction benefits people.







QUESTIONS?