GreenBlue URBAN

Kentucky Stormwater Association - 2017 **Utilizing Urban Trees for Stormwater Management**

URBAN

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PURPOSE

VISION

SOLUTIONS CASE STUDIES

AGENDA

GreenBlue

Innovative solutions for the urban landscape.

Making grey cities green.







Importance of Trees in Green Infrastructure TREES = BMP



The Challenges of Green Infrastructure in the Urban Environment



DID YOU KNOW?

The average life span of a tree in an **urban environment** is only 3 to 8 years.



DID YOU KNOW?

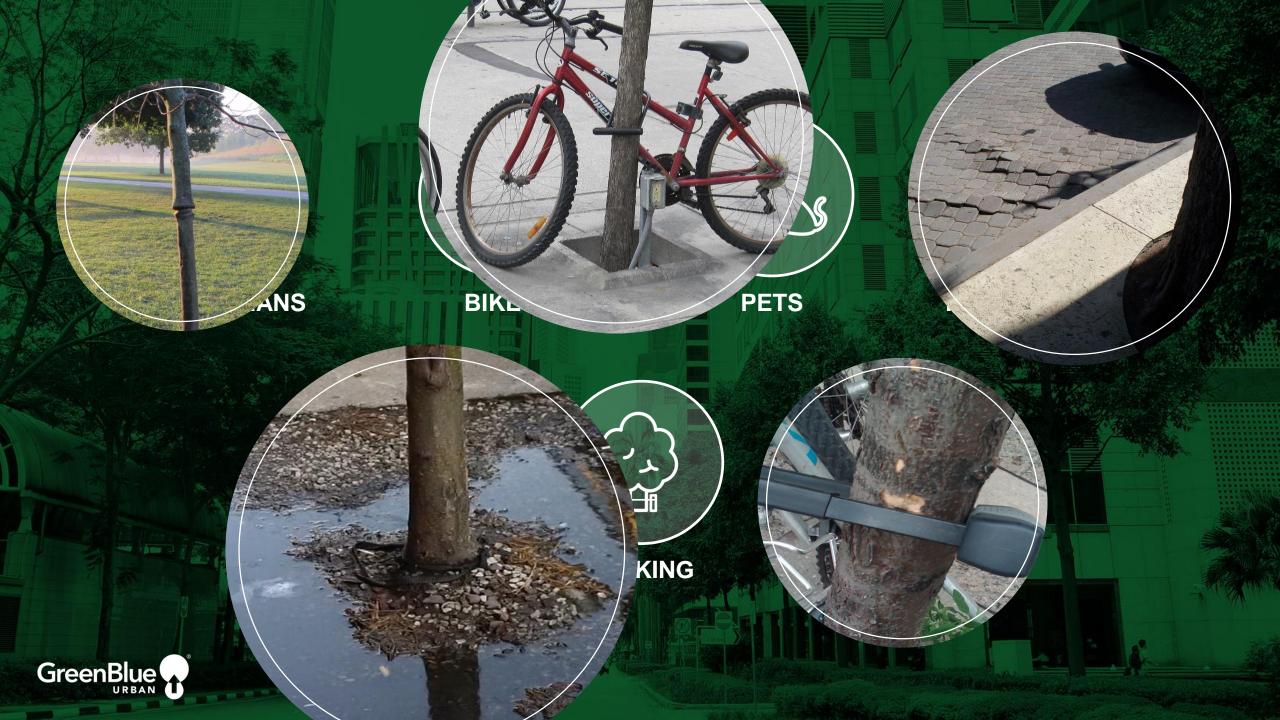
50% of trees planted in urban areas do not reach their 10th birthday.

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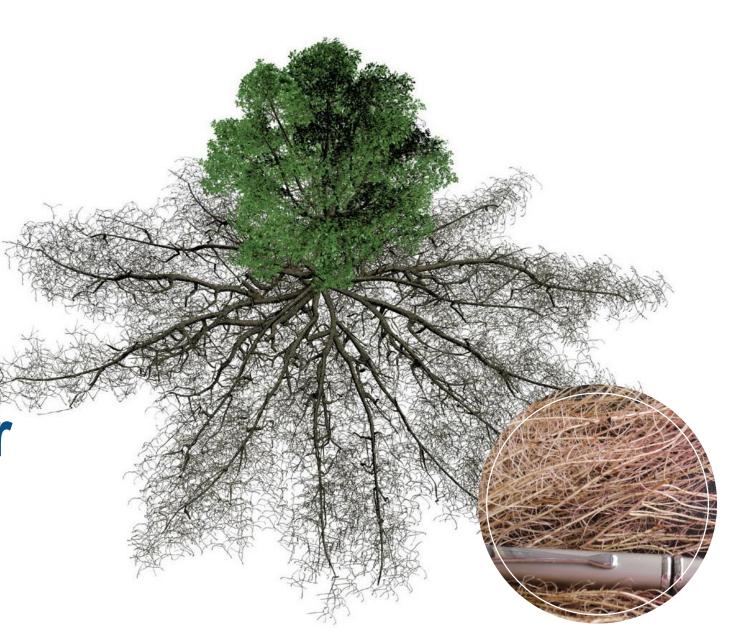


Are We Leading the way In Sustainable Infrastructure?





Healthy root systems MAKE FOR healthy **Trees and Storm Water Benefits**















THE REQUIREMENTS FOR COMPLETE SYSTEMS in sustainable infrastructure

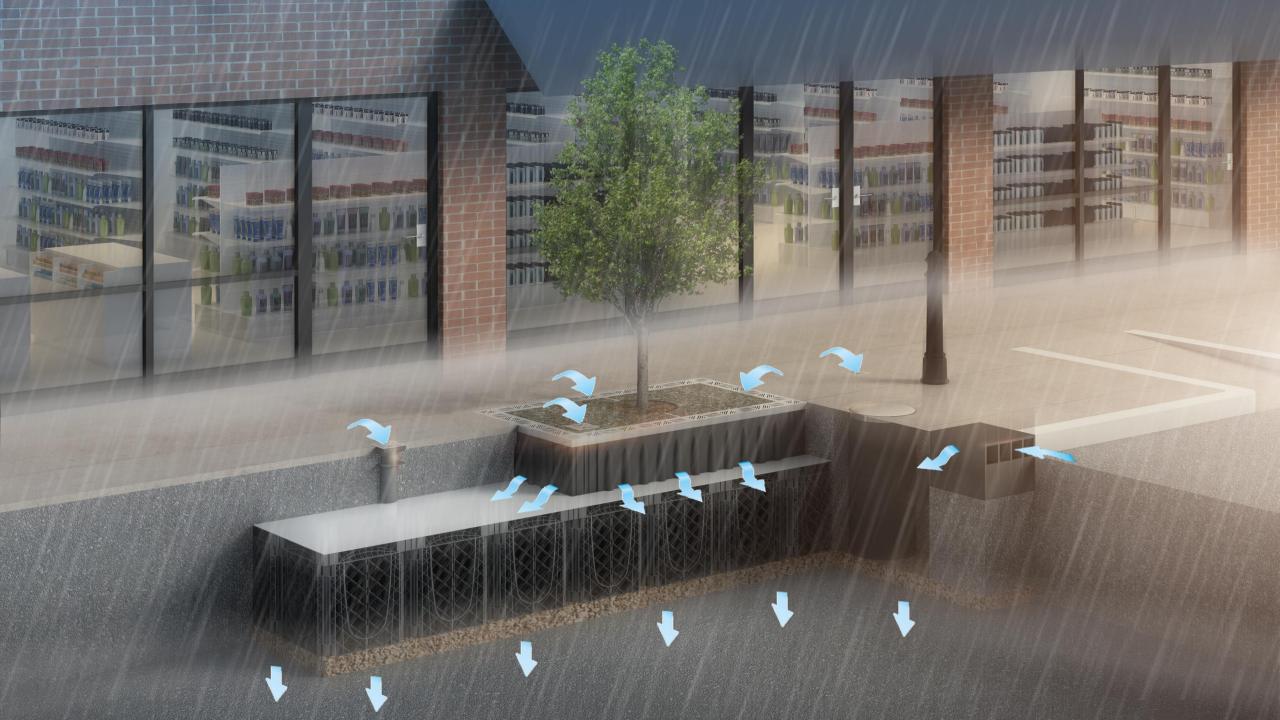
A TO ALL DEPARTURE



UNDERSTANDING WHY WE NEED SYSTEMS LIKE Soil Cells

Lorilee's Tax Serv









Importance of Void Space and Structural Capacity

Engineered requirements of soil cells





Stormwater Management Challenges





soil cells for stormwater with Pervious Surfaces

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soil Cells FOR STORMWATER WITH Retention or Detention







SOIL CELLS FOR STORMWATER IN Parking Lots

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Stormwater Harvesting





STORMWATER MANAGEMENT ArborFlow

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STORMWATER MANAGEMENT ArborFlow



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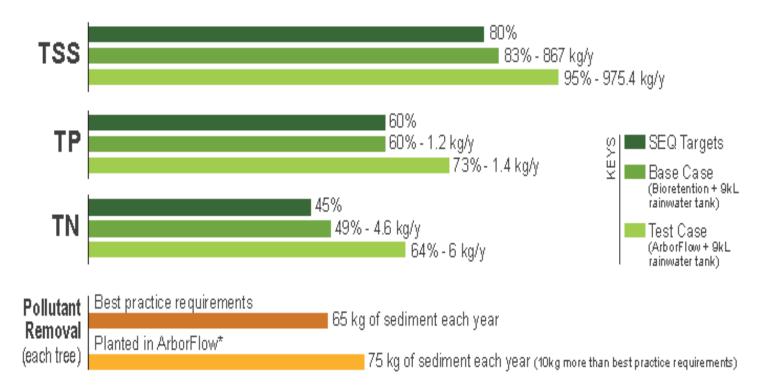


STORMWATER MANAGEMENT ArborFlow



STORMWATER MANAGEMENT

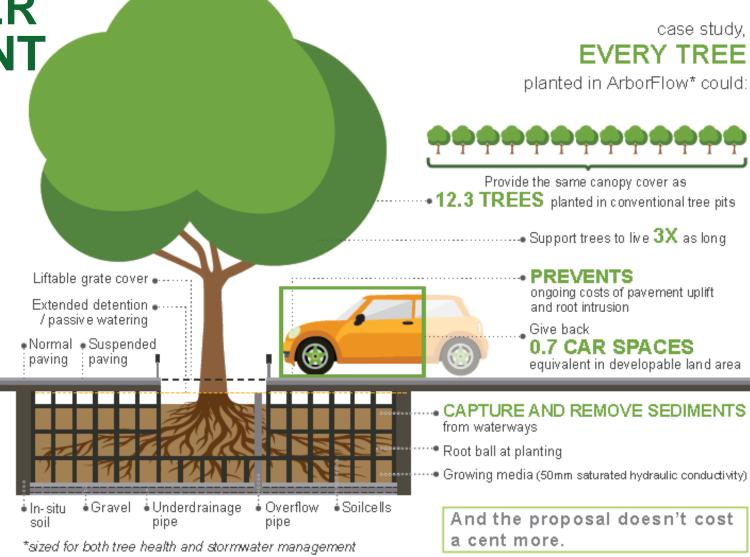
DEVELOPMENT TYPE: Small scale commercial with carpark **SITE AREA:** 0.42 ha - 98% Impervious



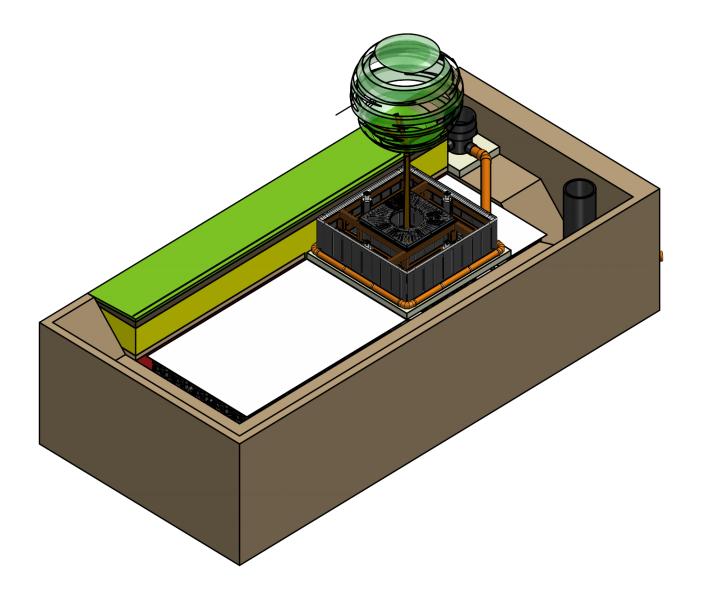




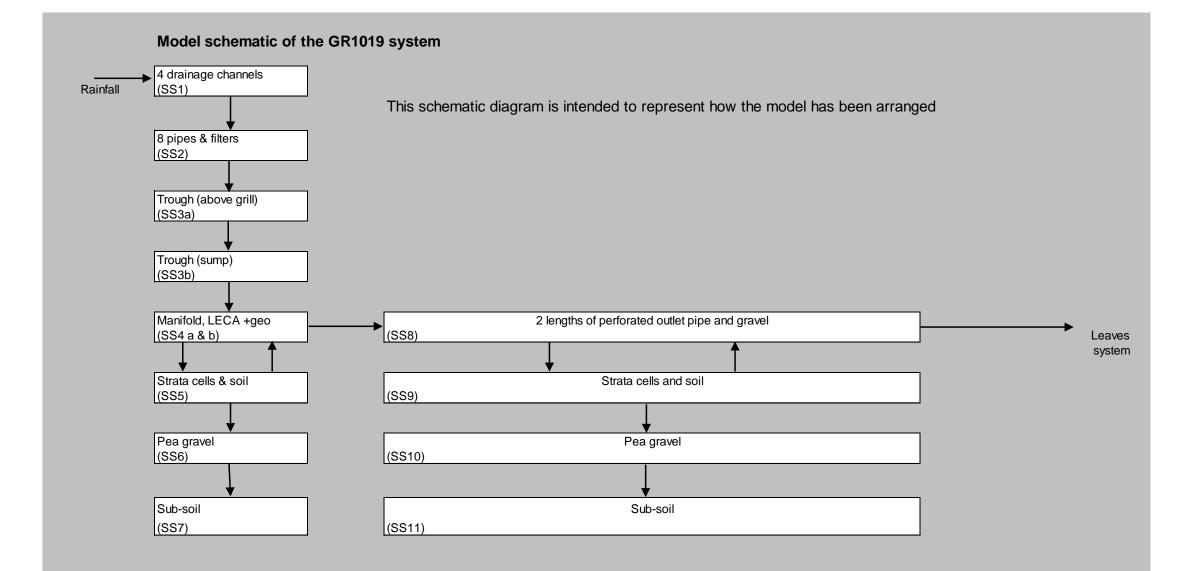
STORMWATER MANAGEMENT













ArborFlow Installation Dundee June 2012













ArborFlow Installation Dundee June 2012













ArborFlow Installation Dundee June 2012











