

# RAIN GARDEN AND BIOSWALES

## Construction Do's and Don'ts

- **Test Your Soils**
- Store materials in a safe place
- Stone materials must be free of fines
- Media
  - Purchase from a certified supplier
  - If manufacturing onsite, source materials that meet the specifications
- Do not compact soils
- Protect the areas during construction
- Communicate with other site contractors about protecting the asset

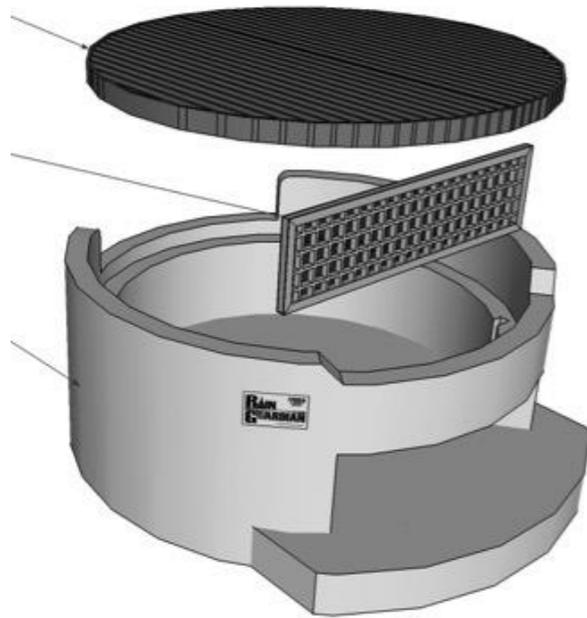




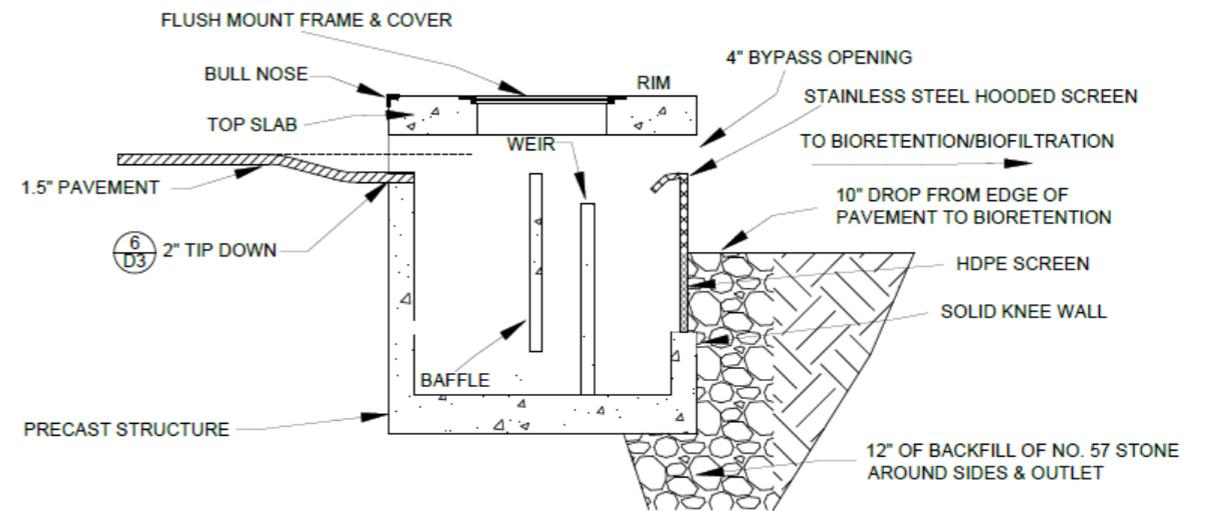


# PRE-TREATMENT FOR GREEN ASSETS

## Watershed Area < 0.25 acres



## Watershed Area > 0.25 acres



# PERMEABLE SURFACES

## Construction Do's and Don'ts

- Store materials in a safe place
  - **DO NOT** store construction materials on permeable surfaces
- Angular stone is important
  - Must be free of fines
  - No recycled materials
- Compaction is critical
  - **DO NOT** put heavy equipment on the area during construction-over compaction
  - Scarify or till native soils
  - Compact stone material to specification
  - Subbase **MUST** be level
- Ensure drainage area is stabilized before removing protection



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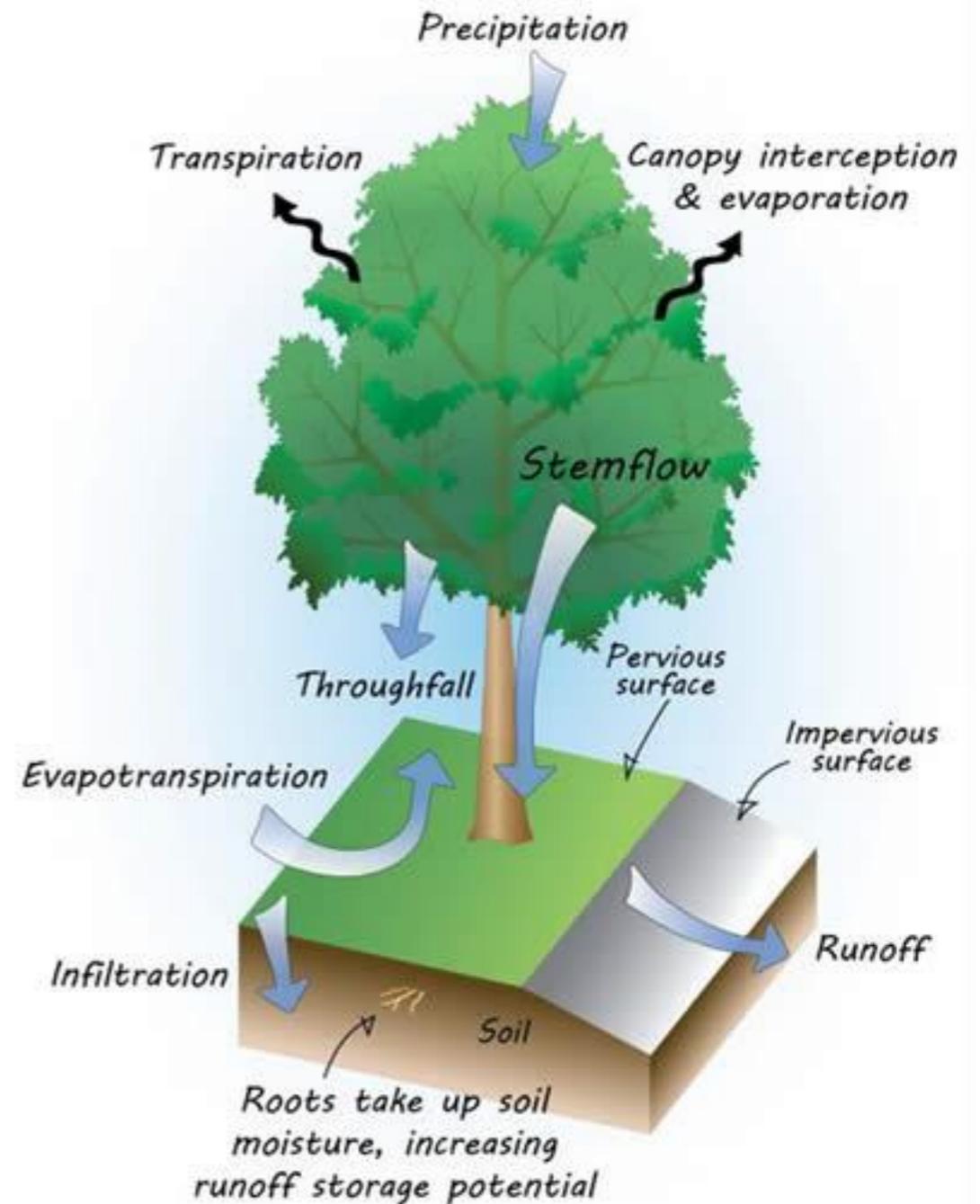
**TEST YOUR  
SOILS**



# TREES- THE ULTIMATE STORMWATER BMP

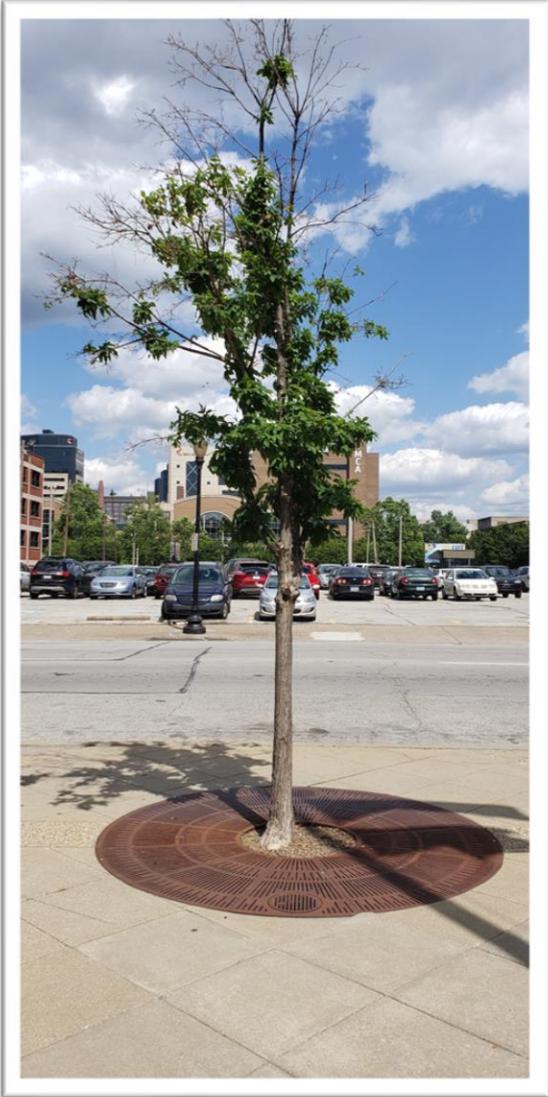
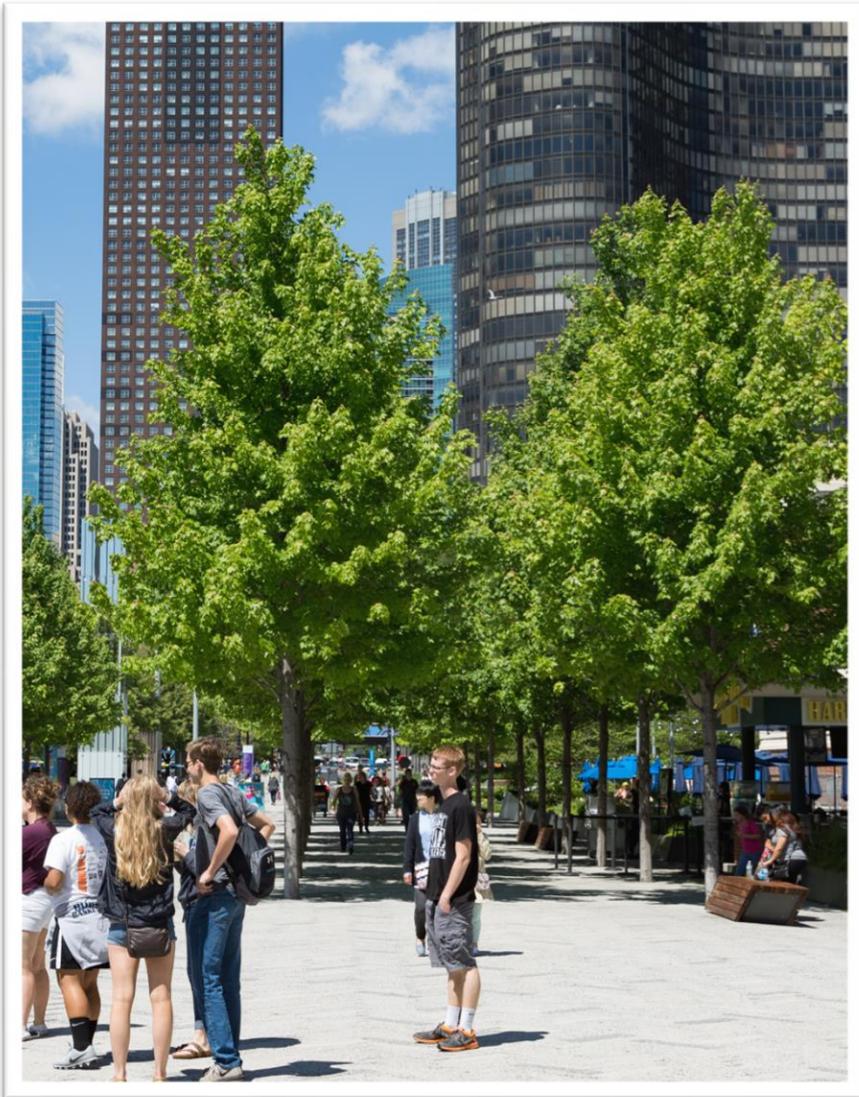
THE BENEFITS INCREASE AS THEY GROW

- Flood Reduction
- Improved Water Quality
- Soil and Ground Stabilization
- Increased Property Values
- Lowered Utility Costs
- Temperature Moderation
- Oxygen Production
- Promotion of Physical Activity
- Increased Mental Well Being
- Absorption of Pollutants from Soil Water



# SUSPENDED PAVEMENT SYSTEMS

HELPING TREES SURVIVE AND THRIVE



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# SUSPENDED PAVEMENT SYSTEMS

## Construction Do's and Don'ts

- Protect the System During Construction
- Compaction is Critical
  - Sub-grade
  - Sides and Cover
- Stabilize the System Before Installing Structural Soil
- Use Proper Structural Soil
  - Source from a Reputable Supplier
- **DO NOT Drive on the System**
  - Follow Manufacturer's Recommendations



# GSI Maintenance and Planting Manual

## GSI Maintenance Certification Training

- 1 day training
  - Morning – classroom lecture
  - Afternoon – applied learning

- Manual
- Checklists
- Plant Selection Guide

