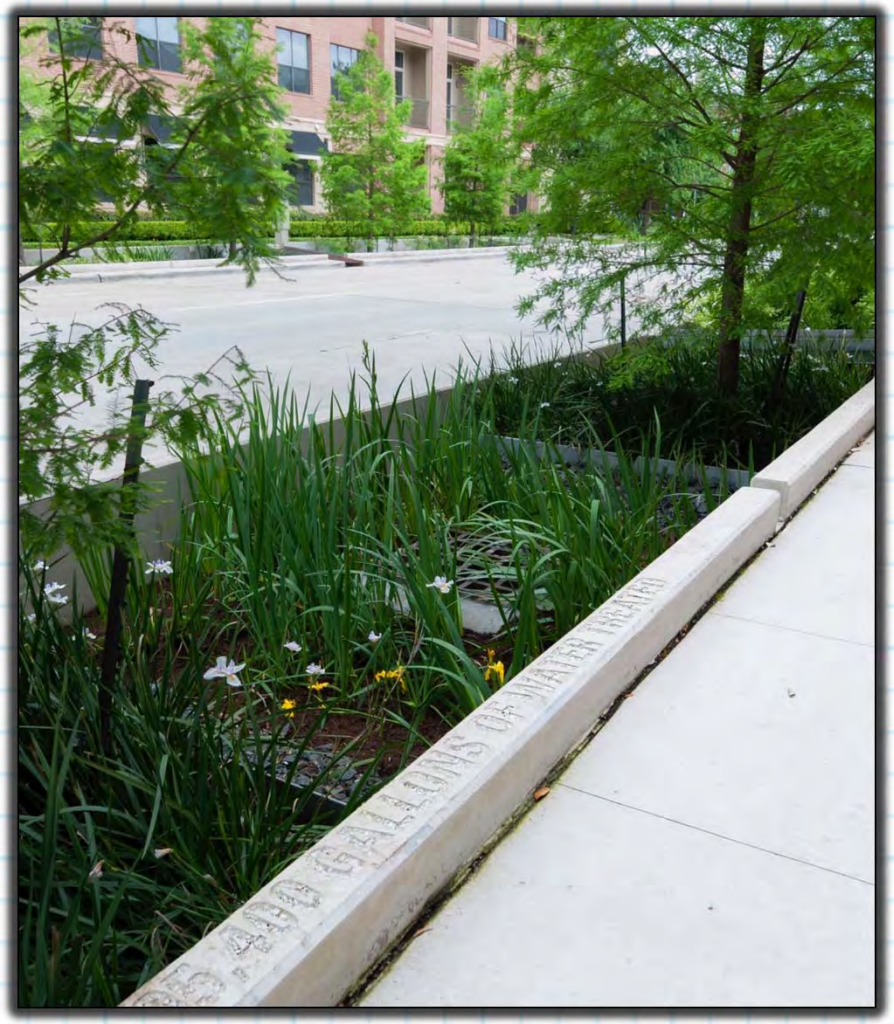
FocalPoint
BIOFILTRATION SYSTEMS

Next Generation Bioretention

High Performance Modular System



- **Reduced Infrastructure Cost**
- **Reduced Overall Maintenance Cost**

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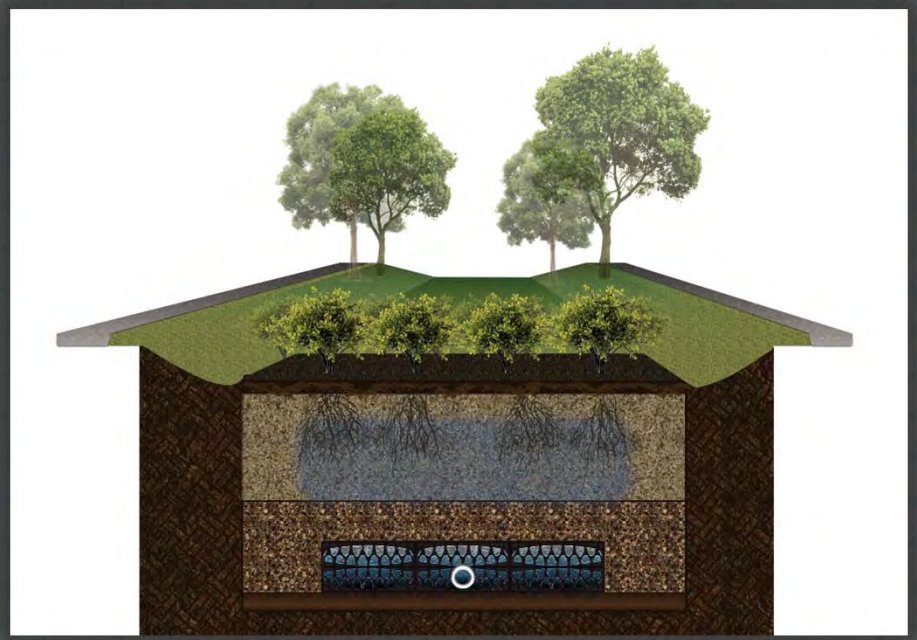
LET'S GET IT DONE

FocalPoint Scalable Biofiltration System Application Concepts:

- ***Traditional SWM***
- ***Green Infrastructure***
- ***Low Impact Development***



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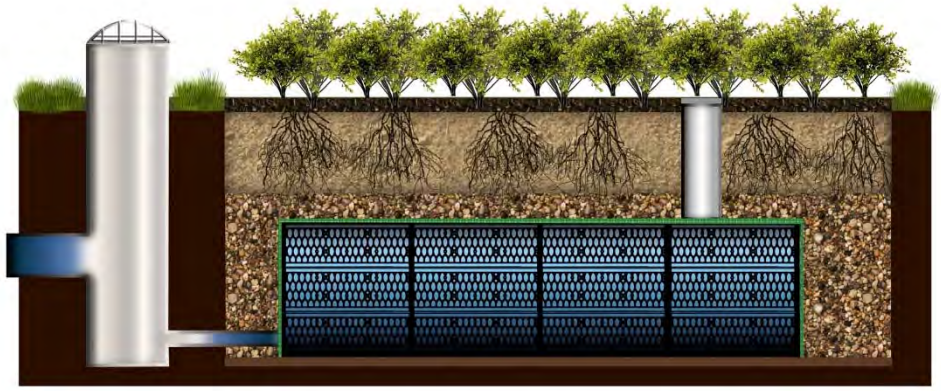
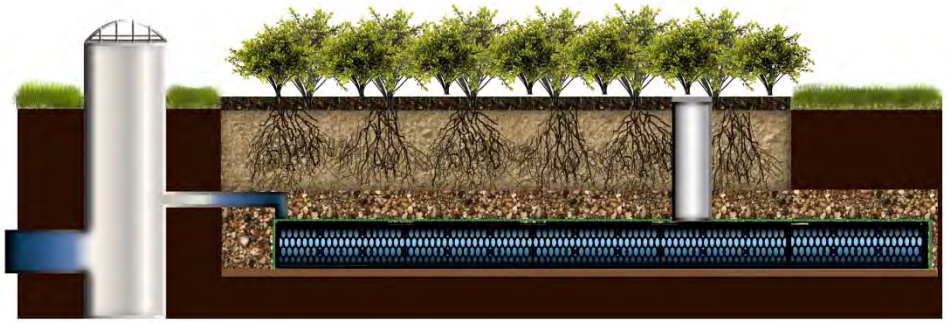
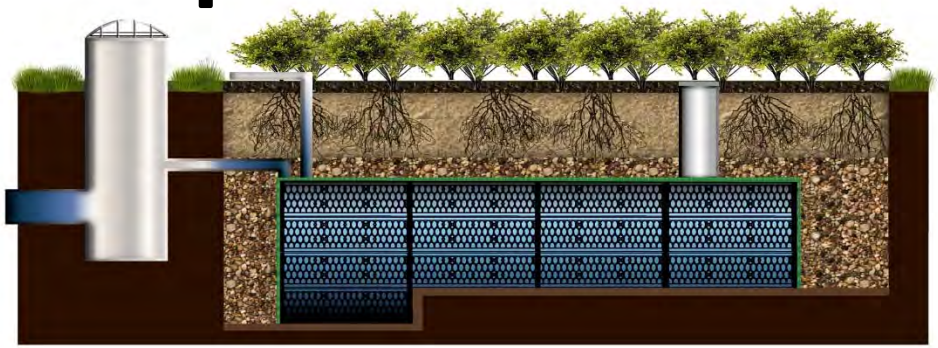
FocalPoint HPMBS gives designers maximum flexibility in meeting both water quality and water volume requirements!



Expanded Detention



Expanded Infiltration



Rain Water Harvesting

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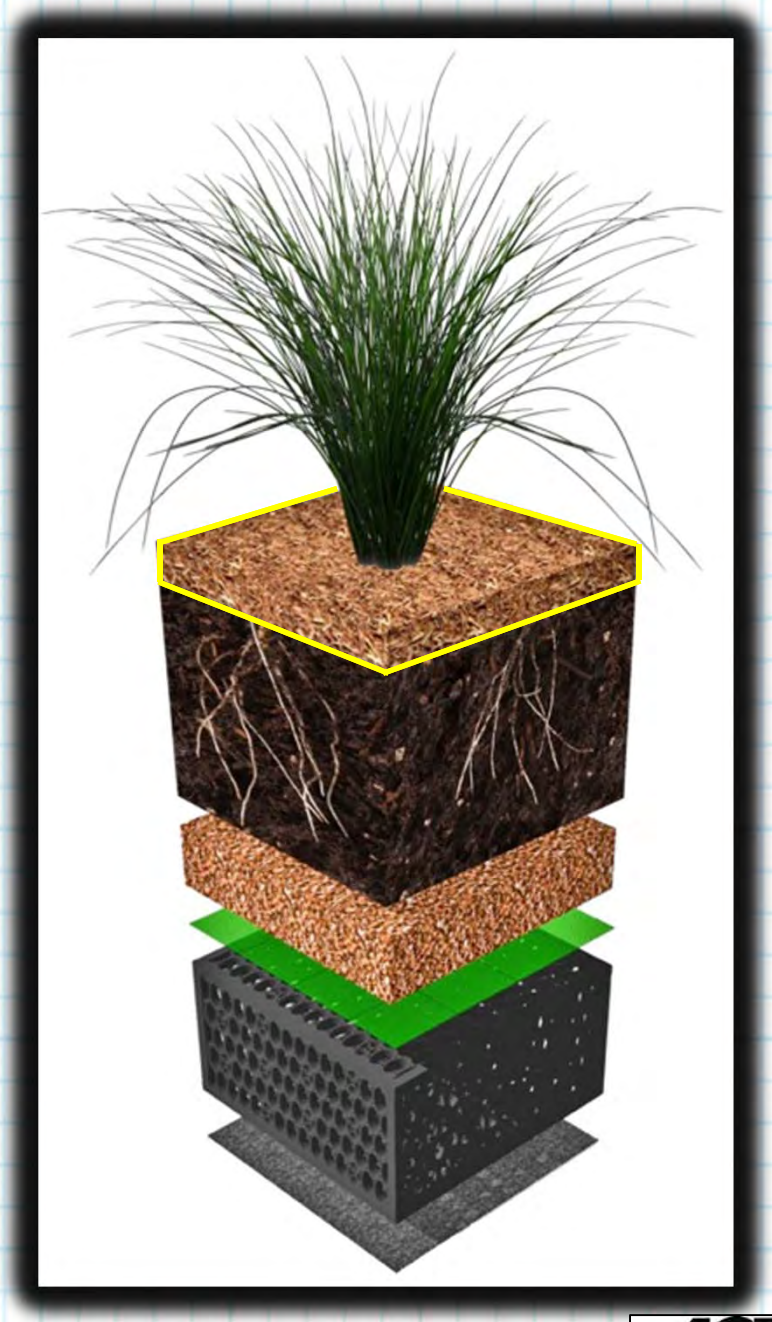
3” Layer of Shredded Hardwood Mulch:

- Acts as pre-treatment mechanism to capture silt, sediment and certain pollutants.
- Removal and replacement of mulch represents the bulk of system maintenance!



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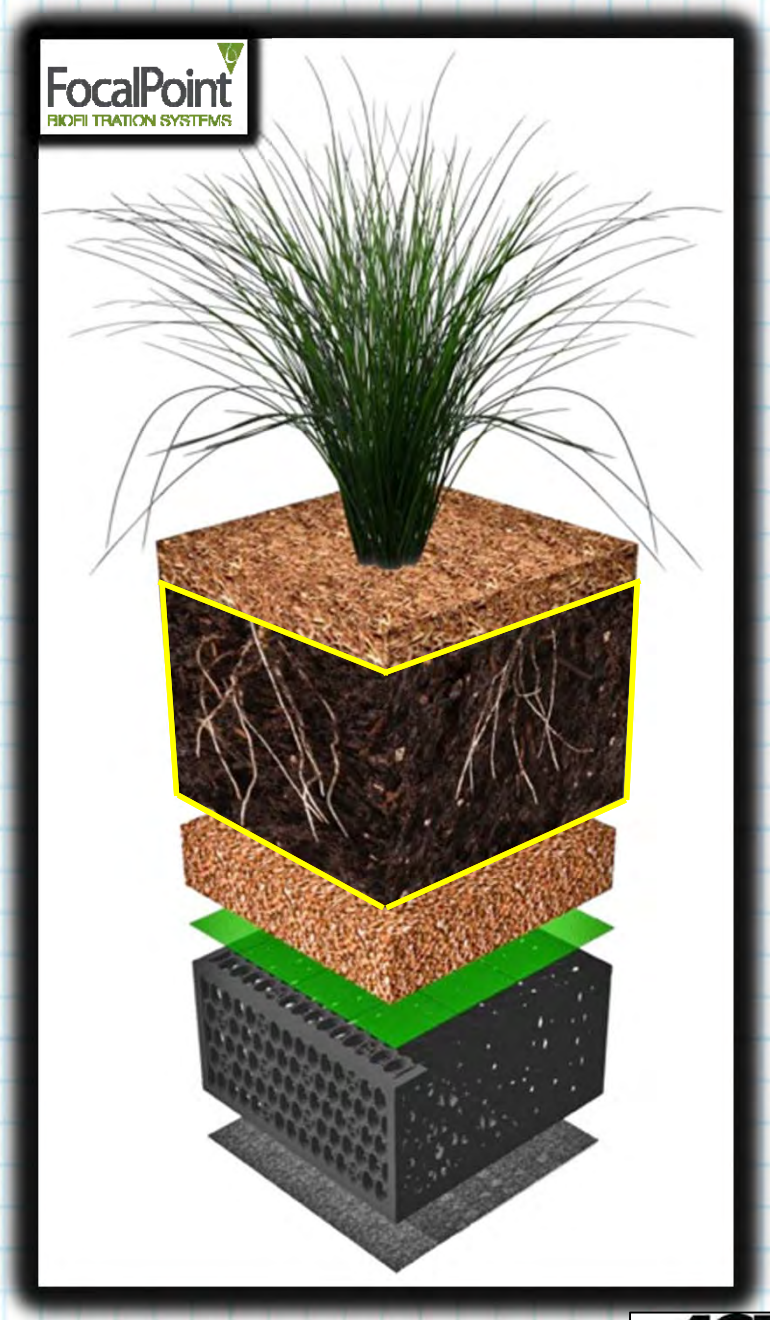
18” High Performance Media:

- Flows at 100” Per Hour!
- Flows Faster With Age as Root System Grows
- Resistant to Clogging

Pollutant Removal:

- TSS = 91%
- Nitrogen = 48%
- Phosphorus = 66%



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Quality Assurance/ Quality Control (QA/QC):

- All Components of the FocalPoint System are sold as a bundle to provide raw material quality control.
- Media Certification
- Performance Guarantee backed with In-Situ Testing at Time of Install and One Year Later!

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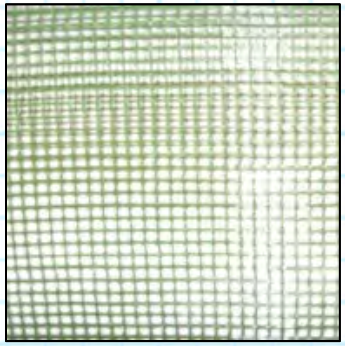
6” Bridging Stone & Separation Layer:



Clean Stone & Micro-Mesh Replace Traditional Geotextile Layer

No Geotextile = No Clogging

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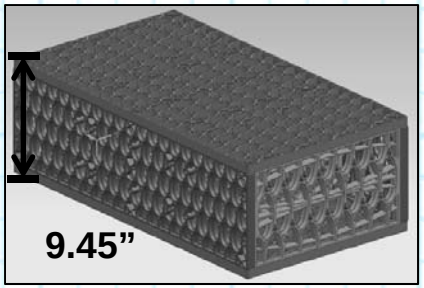
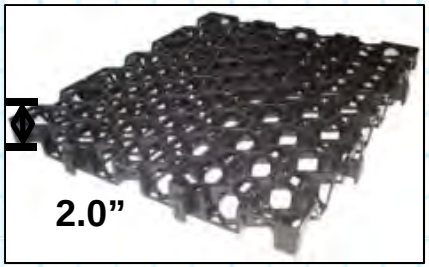
High Performance Underdrain:

9.45” Modular Tank, or “Flat Pipe” w/95% Open Surface Collects Water Efficiently.



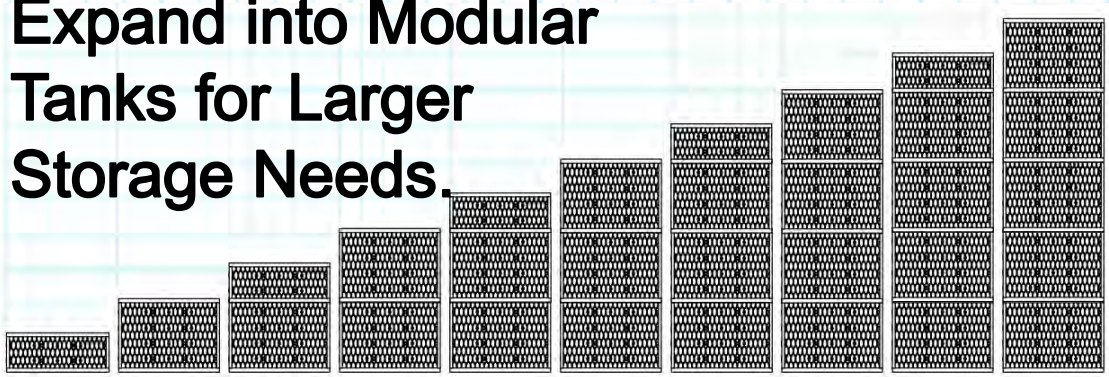
System Depth 36

2” Low-Profile Panel Addresses Shallow Applications.



System Depth 29

Expand into Modular Tanks for Larger Storage Needs.



FocalPoint Maintenance Manual:

Provides Comprehensive Guidance & Record Keeping Tools.

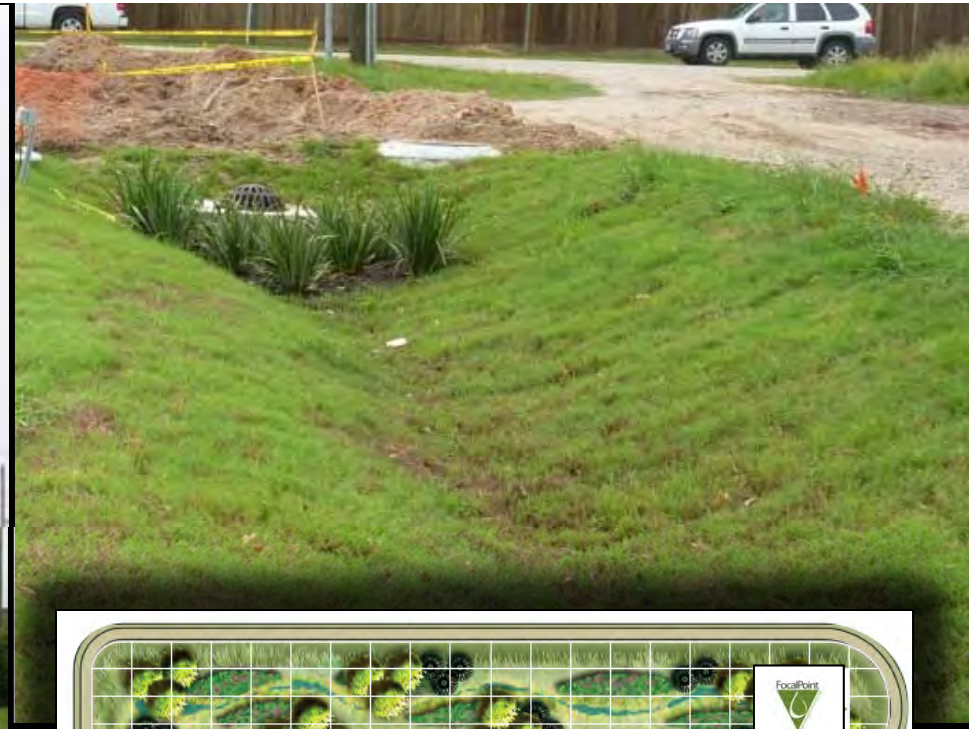
1st Year of Maintenance Included!

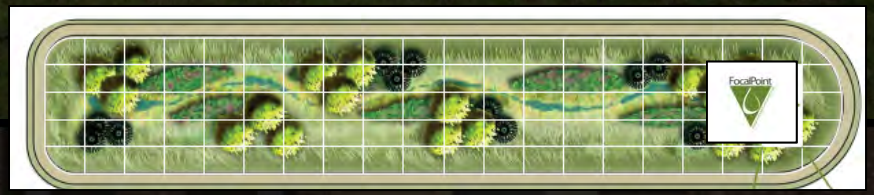
Pick Up Trash

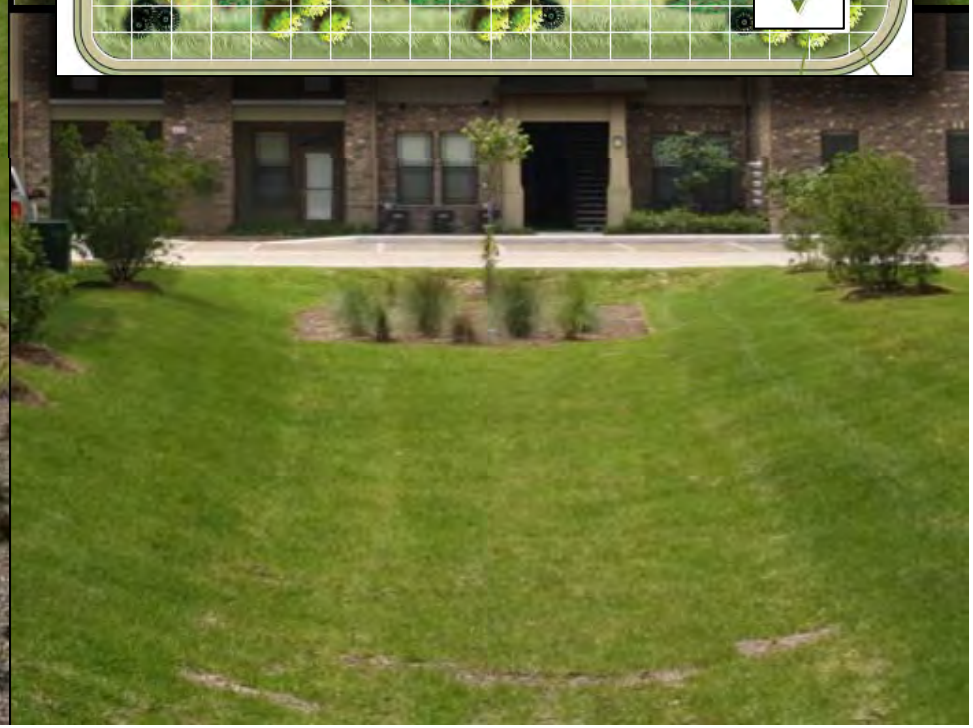
Remove & Replace Mulch

Clean Sediment Entry Points

Design With A Low Cost and Easy to Maintain Surface Depression to Implement Low Impact Development:





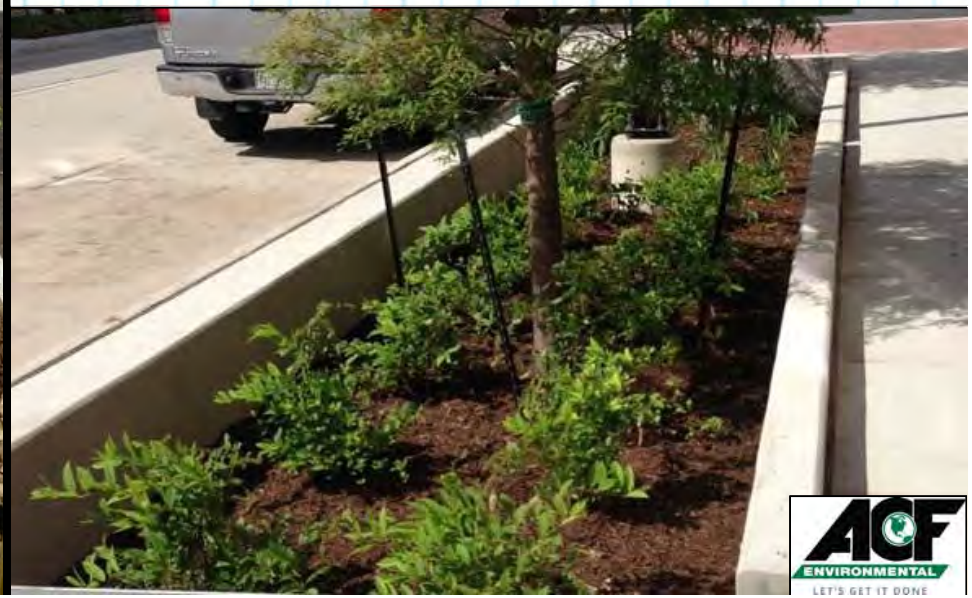


Example Applications:

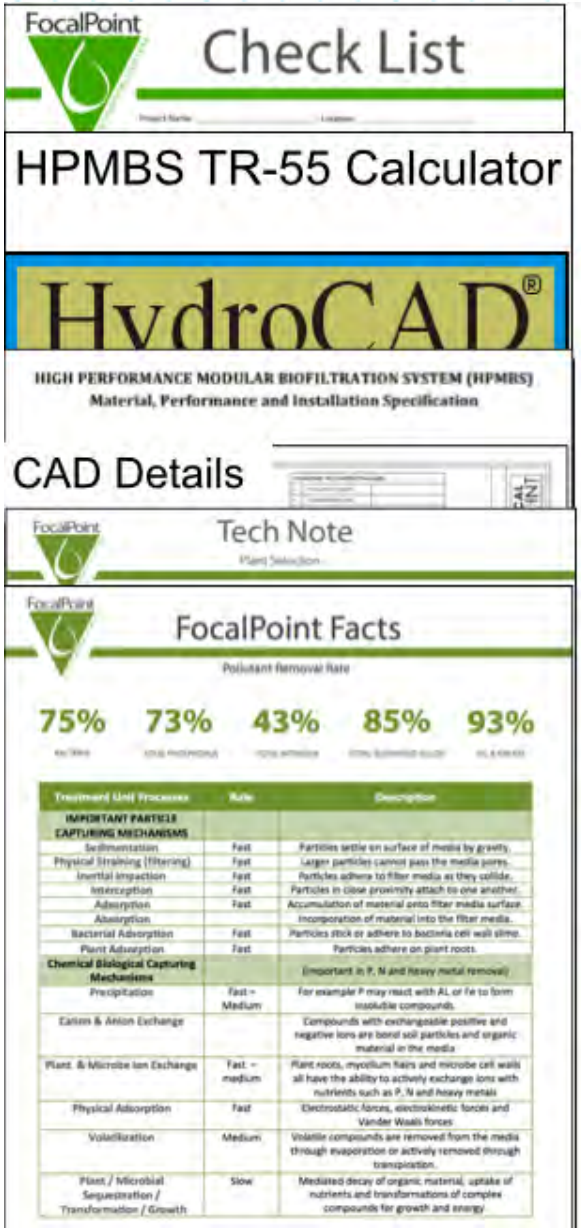
Highway

Parking Lots

Urban retrofit



ACF's Engineering team can provide project specific support or you can access the tools below:



- Specifications
- Calculator
- CAD Details
- Flow Rate & Pollutant Removal Documentation
- Media Certification
- Installation & Maintenance Manuals
- Performance Guarantee
- And More!