

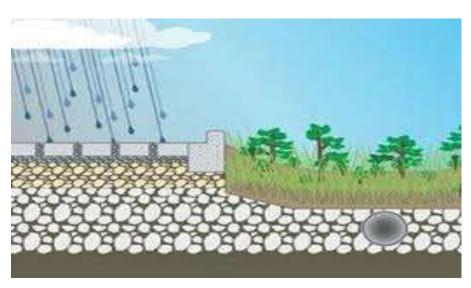




Stormwater Solutions

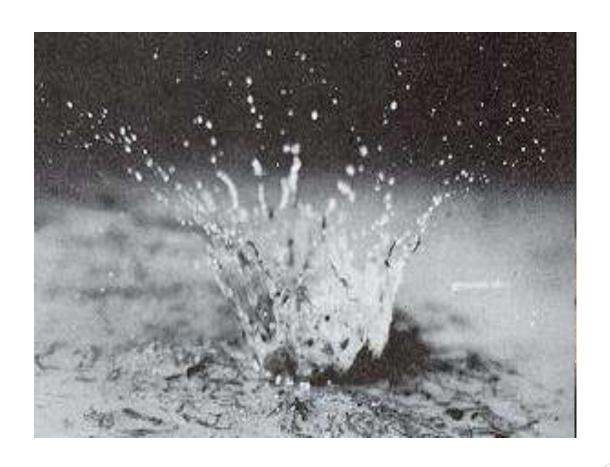
Brian D. Williams, CPESC Stormwater Specialist

Minimizing effective imperviousness

























GeoCurve



















Blocksom















FODS

































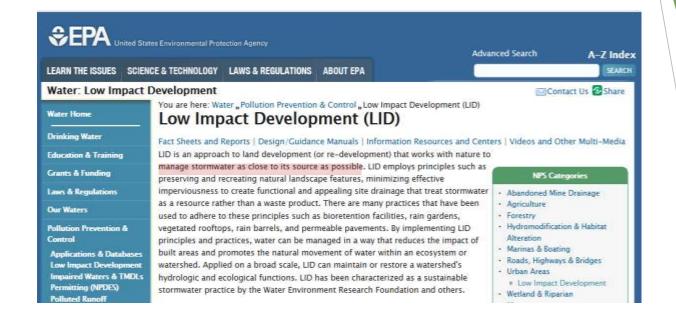








Post Construction



Stormwater Treatment Train: Rain Guardian – Flexamat - FocalPoint







Stormwater Treatment Train:

PaveDrain – R-Tanks







Bioretention Inlets







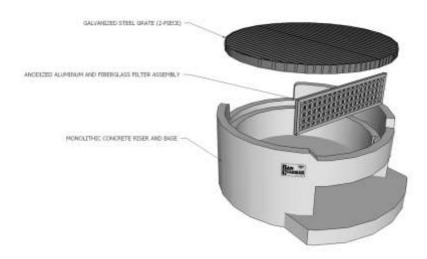


Rain Guardian Pretreatment Chambers





Rain Guardian Turret



4.5 ft³ storage





















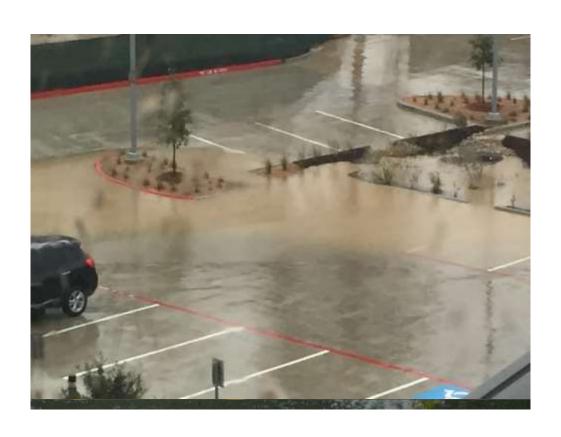


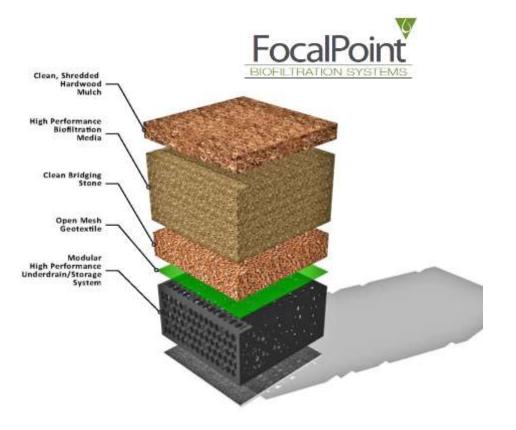




Rain Guardian Turret onto Flexamat

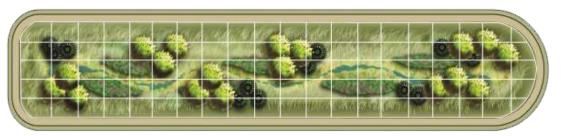






Traditional Biofiltration Systems Low Flow Rate – Large Footprint

6,072 SF of Biofiltration Bed using 10" HR Media



High-Performance Modular Biofiltration System High Flow Rate – Small Footprint

216 SF of Biofiltration Bed using 100" HR Media

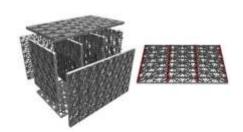


High Flow Rate – Size Matters



Modular tanks for underdrain & storage











Miramesh and Pea Gravel



Filtration Media



Shredded Mulch



Gabion Energy Dissipation (optional)



Buttoned Up until Commissioning



Mature FocalPoint (Aug. 25, 2017 = 3 years growth)





Drone Fly-over















The Future is Multifunctional

- Pavements
- Landscapes
- Drainage
- **▶** Rooftops

















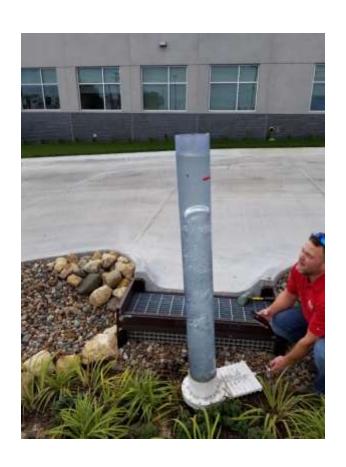












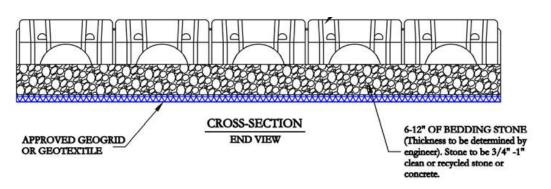


Porous Pavement

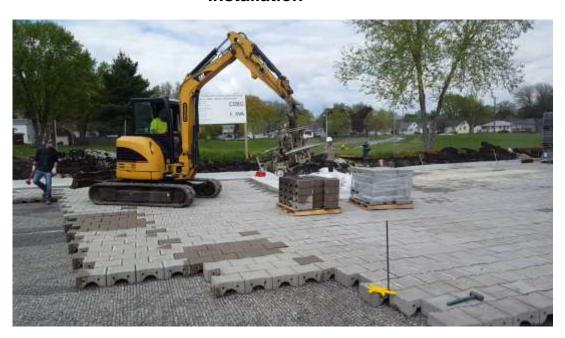




Typical PaveDrain Cross-Section



Machine Lay Installation







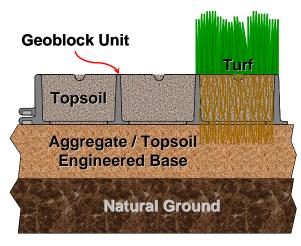








Vegetated Porous Pavements



SYSTEM COMPONENTS:

- •Geoblock Unit
- •Engineered Base
- •Selected Topsoil Infill
- Selected Vegetation























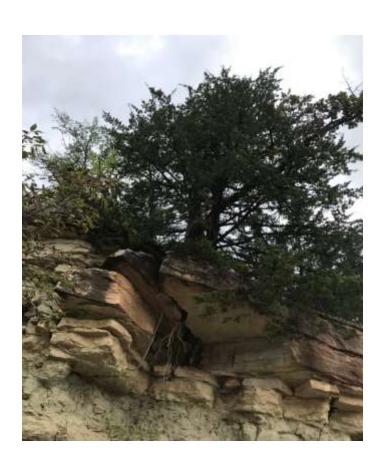
































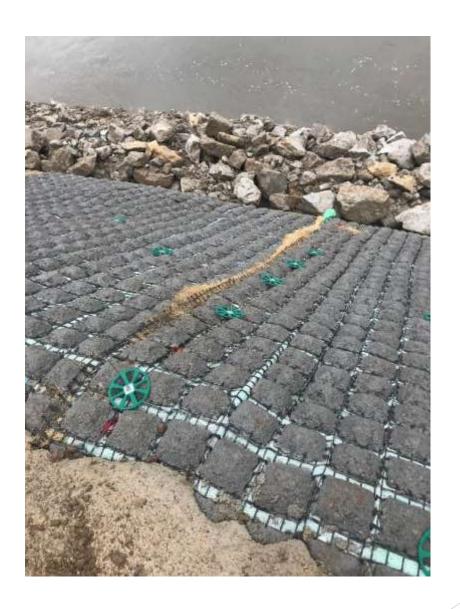














ASP Enterprises, Inc. 15263 Cooper St. Omaha, NE 68138

- Brian D. Williams <u>bwilliams@aspent.com</u>
- Lynn Ewoldt <u>lewoldt@aspent.com</u>
- Bill Murphy, P.E. bmurphy@aspent.com



www.aspent.com



Questions?



