

CASE STUDY ELKHORN PUBLIC SCHOOLS

PaveDrain, FocalPoint, R-Tanks and Rain Guardian

Location	Elkhorn, NE
Salesperson	ASP-Omaha
Owner	Greg Perry, P.E.

Contractor	MCL & Becker Trenching
Date	August 2018

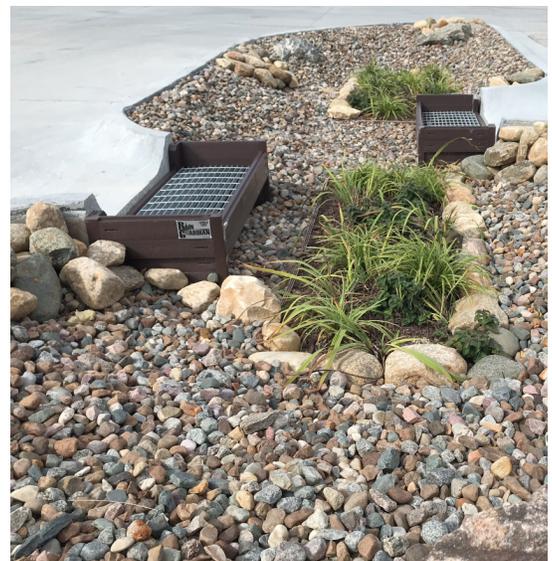


01 THE CHALLENGE

Due to restrictions in space and steep slopes, stormwater infrastructure and site grading were both too costly and impractical. The proposed building footprint and the need for public parking required a solution to tackle a combination of stormwater quantity and quality.

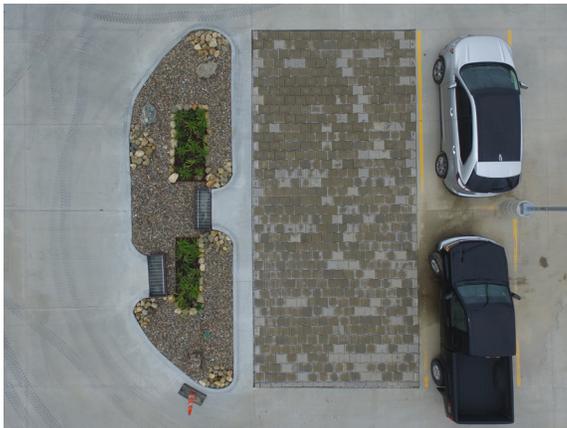
02 THE SOLUTION

The PaveDrain permeable paving system reduces the amount of impervious area while also serving as stormwater pretreatment. The stormwater passes through the pavers and enters the underground stormwater detention system: R-Tanks. At 95% void space, R-Tanks are the most efficient storage option available. FocalPoint biofiltration systems provide the ultimate water quality with minimal footprint. Both FocalPoint systems fit within one parking lot island. Each FocalPoint is protected by a Rain Guardian Bunker: a curbside pretreatment device that is simple to install, easy to maintain and extends the effective life of bioretention cells and rain gardens.



03

THE PRODUCTS



04

THE RESULTS

PaveDrain can be cleaned periodically with the PaveDrain vac head attached to a sewer vac truck or with an Elgin Whirlwind or Megawind. Sediment and debris captured by the Rain Guardian Bunkers can be easily removed by hand. Those curbside pretreatment devices protect the FocalPoints, so maintenance of those systems will be minimal. All water quality and stormwater management requirements are met within an optimized footprint, thus saving time, space and money.

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ASP Enterprises
www.aspent.com
salesasp@aspent.com

Headquarters
St. Louis, MO
636.343.4357

Kansas City, MO
816.554.1191

Omaha, NE
402.861.8579

Wichita, KS
316.393.1554

Quick Supply Co.
www.quicksupplydm.com
salesquick@quicksupplydm.com

Headquarters
Des Moines, IA
515.289.1271

Bowman Construction Supply
www.bowmanconstructionsupply.com
salesbcs@bowmanconstructionsupply.com

Headquarters
Denver, CO
303.696.8960

Longmont, CO
970.535.0863

Colorado Springs, CO
720.390.0203