

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

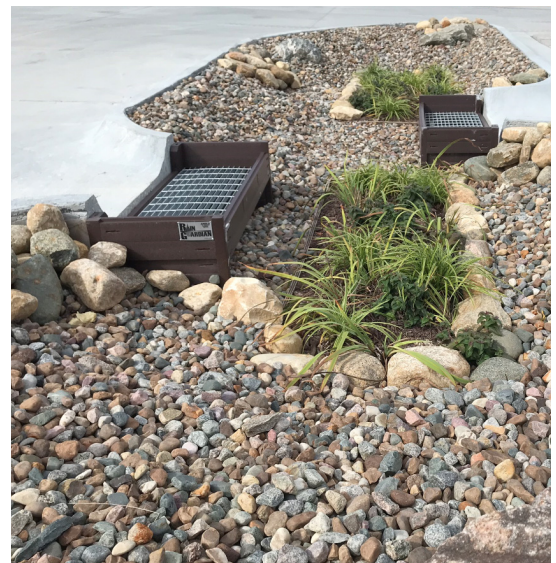


01 THE CHALLENGE

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.

YOUR TRUSTED SITE SOLUTION SPECIALISTS

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



Bowman
Construction
Supply Inc.



Quick
Supply Co.



Cascade
GEOSYNTHETICS

LOCATIONS & CONTACT INFO

ASP ENTERPRISES

aspent.com
salesasp@aspent.com

BOWMAN CONSTRUCTION SUPPLY

bowmanconstructionsupply.com
salesbcs@bowmanconstructionsupply.com

QUICK SUPPLY CO.

quicksupplyco.com
salesquick@quicksupplyco.com

CASCADE GEOSYNTHETICS

cascadegeos.com
salescascade@cascadegeos.com

St. Louis, MO 636.343.4357
Omaha, NE 402.861.8579
Kansas City, MO 816.554.1191
Wichita, KS 316.393.1554

Denver, CO 303.696.8960
Colorado Springs, CO 719.257.7840
Loveland, CO 970.535.0863

Des Moines, IA
515.289.1271

Portland, OR
971.339.1020

SOLUTIONS WE SUPPLY

GEOSYNTHETICS

Filter Fabrics

Stabilization Fabrics

Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

Specialty Fabrics

Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

SEDIMENT CONTROL

Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers

Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically

Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

- PVC
- Drain Basins, In-Line Drains
- Landscape

Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

SPECIALTY

Natural & Synthetic Coir Fiber Logs

Vegetated Reinforced Soil Slopes

Soil Anchors

Root Barrier System

AquaBlok

Muscle Wall

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.

GEOSYNTHETICS | EROSION CONTROL | STORMWATER MANAGEMENT
SEDIMENT CONTROL | REVEGETATION & SOIL AMENDMENTS