

# Omaha Sewer Porous Pavement Case Study



The Midwest's Most Trusted Site Solutions Provider

Project: Fire Lane Infantry Brigade Headquarters

Location: Fort Riley, Kansas

Application/Solution: Porous Pavement for Fire Truck Access

Market Sector: Porous Pavement

Salesperson: Todd Noble

Owner: Fort Riley Public Works

Engineer: Army Corps of Engineers

Contractor: Blueville Nursery

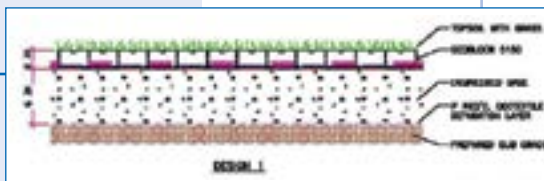
Installed: January 2014

case study

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## Challenge

Fort Riley needed fire truck access to the infantry brigade headquarters. A narrow sidewalk and grass area between buildings didn't provide enough room to allow for an emergency fire lane. The access area would need to support a fire trucks gross vehicle weight of 80,000 lbs.



1 The area was excavated and a 6" aggregate base was added and compacted creating a solid base.

## Solutions

In order to still provide the same look of the vegetated area and not increase impermeable surface 275 units of Geoblock 5150 was installed on a 6" aggregate base. The geoblock units would be infilled with topsoil and seeded and protected with hydramulch.



2 The first Geoblock units are hand placed on the aggregate base.

## Results

Fort Riley Public Works was able to add 1400 square feet of fire lane access and keep a green vegetated space, while not increasing stormwater runoff.



3 Geoblock units are filled in using a brick pattern to cover the area.



## Products

Manufacturers included in solutions and product:

Product: Geoblock 5150

Manufacturer: Presto



**4** Geoblock is easily cut with a reciprocating saw for curved edges.



**5** Topsoil is added to the open cells and brushed so the top of the cells are not covered by soil. This will allow the cell walls to protect the vegetation from the weight of the fire truck.



**7** One year later the area has 90% growth and has had successful fire truck loading from training exercises.



**6** The area was seeded early spring 2014. Blueville Nursery also chose to cover the new seed with hydromulch knowing that the area was not irrigated.

## Company Information

ASP Enterprises, Inc. and Quick Supply Co. For more than three decades, A.S.P. Enterprises and Quick Supply Co. has served the erosion control industry with integrity and expertise. We provide engineers and landscape contractors the exceptional value for their money and have grown to become the Midwest's full-line distributor of erosion-control, geosynthetics, storm water management products, wall block, landscape pavers, and drainage products.

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