

Benedictine College Erosion Control Case Study



The Midwest's Most Trusted Site Solutions Provider

Project: Benedictine College Memorial Grotto

Location: Atchison, Kansas

Application/Solution: Erosion Control

Market Sector: Institutional

Salesperson: John Warren

Owner: Benedictine College

Architect: Treanor Architects, Kansas City, MO

Contractor: Erosion Control Inc., Olathe, KS

Installed: June 2010

case study



case study

Challenge

Very steep (1:1) slopes with a highly erodible Loess soil and numerous existing large Pine trees with restricted equipment access to the area to be vegetated. They needed it green in a hurry to meet the dedication deadline.



1 Undulating terrain required a very flexible TRM.

Solutions

The Profile Products GreenArmor System was chosen due to its ability to conform to the existing terrain and the openness of the Enkamat 7010 nylon root reinforcement matrix. This openness allows the Enkamat to be hydraulically infilled with the Flexterra FGM and together they provide an unparalleled bond to the underlying soils. A combination of 2 tried and true products that together provide a geosynthetic reinforced slope that is as resistant to erosion during its establishment as it is when it is fully vegetated.



2 Steep (1:1) slopes and many mature pine trees.

Results

The result is a quickly established vegetated hillside that provides immediate stabilization as well as a long term solution to the highly erodible native soils found on these steep slopes along the Missouri River.



3 Steep and highly erodible Loess soils.

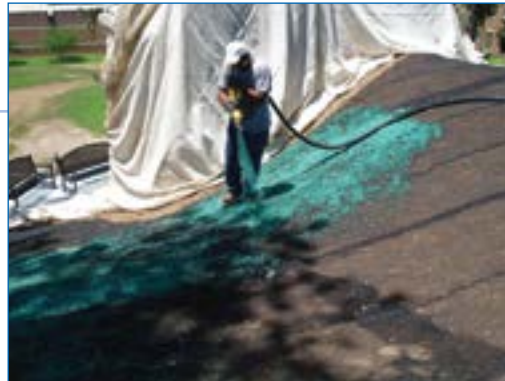


Products

Manufacturers included in solutions and product:

Product: Enkamat 7010 Turf Reinforcement Mat
Manufacturer: Bonar / Profile

Product: Flexterra Flexible Growth Medium (FGM)
Manufacturer: Profile Products



4 Flexterra FGM hydraulically applies at close range.



5 An intimate bond with the Enkamat and underlying soils.



6 Approximately 21 days later, more than 90% vegetated.



7 1 month after installation and ready to mow!

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.

ASP Enterprises, Inc.
Corporate
Headquarters
www.aspent.com
info@aspent.com

St. Louis, MO
636.343.4357
800.869.9600

Quick Supply Co.
Corporate
Headquarters
www.quicksupplydm.com
info@quicksupplydm.com

Des Moines, IA
515.289.1271
800.362.2245

Kansas City, MO
816.554.1191
800.519.2304

Omaha, NE
402.861.8579
877.678.8027

Wichita, KS
316.393.1554