

McNish Channel Stabilization Case Study



The Midwest's Most Trusted Site Solutions Provider

Project: McNish Park Erosion Control

Salesperson: Brian Williams

Location: Fairbury, Nebraska

Owner: City of Fairbury

Application/Solution:

Contractor: City of Fairbury

Channel Stabilization

Installed: June 2014

Market Sector: Municipal

case study



case study

Challenge

Increased urban development and runoff had eroded grass waterways, threatened existing stabilization structures, the quality of the park and the storm management in the area. The purpose of this project was to reduce erosion, protect existing hard structure erosion control, remove sediment from the storm water sewer system, improve water quality and restore aesthetic qualities of Fairbury's prized McNish Park.

Solutions

To remedy this problem the city partnered with the Little Blue NRD, NRCS and NDEQ to install Flexamat, a permanent erosion control solution of tied concrete mats. Flexamat will provide a permanent high strength hard armor solution against further erosion and enable vegetation to become established so that the functionality of the park and disc golf course will not be jeopardized.

Results

Installing Flexamat has controlled active gully erosion, protected the working hard structures, prevented sediment from entering the storm sewer system as well as the Little Blue River, improved water quality of storm water runoff from a 23 acre drainage area and restored the scenic beauty, safety and functionality of the park. "Since the permanent hard armor has been installed, we have seen vegetation growth in areas that would not have been able to sustain such growth previously. The mats have held up very well in several hard rains and have not moved from their installment location. Overall the City is very pleased with the outcome of this project." (From the project's Section 319 Final Report by Laura Bedlan). The project has been nominated for the NRD 2015 Urban Conservation Award.



1 Erosion issue before.



2 Preparatory dirt work.



3 Positioning roll.



Products

Manufacturers included in solutions and product:

Product:
Flexamat

Manufacturer:
Motz Enterprises



4 The seam.



5 Inserting zip ties at seam.



6 2 mats installed.



7 After September 2014 / After November 2014.

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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