

STREAMBANK & SLOPE STABILIZATION

Case Study

PROJECT DETAILS

Project Name	Pipeline Slope Stability
Location	Versailles, Illinois
Date of Installation	June 2020
Contractor	Midwest Services Group
Salesperson	Ed Nelson



Image of the project site before intervention showing the slip surface of the slope within the pipeline ROW.

THE CHALLENGE

The contractor was faced with a steep slope along a natural streambank that failed. The slope was eroding and contaminating the stream with sediment. This slope was also in a pipeline's right-of-way (ROW) area. To ensure the safety of the pipeline and surrounding property, the slope needed a long-term, high-performance stabilization solution to correct the failing slope and prevent any issues in the future.



Removal of sloughed soil.

THE SOLUTION

Two of Solmax's (formerly Propex) products were recommended for this project.

SCOURLOK was utilized to stabilize the toe of the slope at the creek bottom.

To create a stable slope, **ARMORMAX** Engineered Earth Armoring System™ was utilized by combining High Performance Turf Reinforcement Mats (HPTRMs) and Engineered Earth Anchors™ (EEA) that work together to lock soil in place and protect against hydraulic stresses.

Next, two of Profile Products' products were recommended. To improve the likelihood of successful vegetation, **ProGanics Biotic Soil Media** was sprayed on top of the ARMORMAX and **Flexterra** flexible growth medium was the final "glue" to stabilize the slope surface, supply moisture support for the vegetation establishment, and ensure the seeding remained in place until root establishment is maintained.



Installation of SCOURLOK complete. SCOURLOK filled with slope graded.

First row of SCOURLOK installed.

PRODUCTS USED



- PROPEX® Armormax® Engineered Earth Armoring System™
- PROPEX® Scourlok® Engineered Bank Stabilization System



Solutions for your Environment®

- ProGanics® Biotic Soil Media™
- Flexterra® HP-FGM®

THE RESULTS



ARMORMAX Installation on Slope



After ProGanics Installation



One year later the slope is fully vegetated and looks great.



After Flexterra Installation



YOUR TRUSTED SITE SOLUTION SPECIALISTS



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