

WHEATON SANITARY DISTRICT - Culvert Outlet

Year Constructed
2011

Client
Wheaton Sanitary District

Reinforcement
Geogrid

Vegetation
Live Stakes

Engineer
Strand Associates Inc.

Contractor
Benchmark Construction Co.

+ Project Snapshot

A contractor went beyond the allowed limits of construction permitted by regulatory agencies and excavated a streambank. The US Army Corps of engineers cited a violation and required it to be restored quickly and promptly. The DuPage County Department of Environmental Concerns recommended the Envirolok System as an appropriate repair to the streambank. The reaction to Envirolok was positive as it remedied the violation without the need to obtain any further permits. Envirolok provided a stable, non-erodible platform for plant growth as well as stabilized the soil below. For additional strength, geogrid was used throughout the system for reinforcement. Once Envirolok was in place, fast-rooting native plantings were incorporated, whose natural habitat is at the water's edge. The Envirolok system solved the problem and created a stabilized streambank that could withstand heavy spring floods and other severe conditions.

