

## EDGEFIELD GOLF COURSE - Stormwater Swale Repair

**Year Constructed**  
2008

**Reinforcement**  
Geogrid

**Vegetation**  
Plant Plugs

**Project Partner**  
Sunmark Environmental  
Services, LLC

McMenamins Brewery

### + **Project Snapshot**

A residential subdivision development upstream of a stormwater swale increased impervious surface runoff causing severe scouring of more than four feet in a drainage ditch. The severe scouring was discovered after the removal of invasive vegetation and water runoff was leading to sediment discharge in the wetlands below. Envirolok's patented system was used to build a "mattress" of units that encapsulated the soil, prevented erosion, and served as a medium to vegetate the swale. The forces that caused the scouring were eliminated due to the durable Envirolok fabric acting as a splash guard. The ability of the Envirolok system to withstand flashy storm events solved a persistent and costly erosion issue. Native plants were planted upon completion of construction, replacing their invasive counterparts. Through the Envirolok system and native vegetation, storm event erosion is non-existent, and the ecosystem is growing native species, adding new habitat to the golf course.

