Envirolok®
Designed For Nature...Engineered For Life

GLENORCHY TRAIL - Slope Stabilization

Year Constructed: 2014

Project Size
8100 Units/450m^2

Client: Town of Oakville

Reinforcement
Threaded Anchors

Vegetation
Hydroseed and Live Stakes

Engineer
Amec Foster Wheeler

Contractor: CSL Group

Bag Filler
Marco Clay Products

+ Project *Snapshot*

Due to Sixteen Mile Creek's scouring action, the subsurface clay shale of this steep slope was quickly eroding and no longer stable, preventing the slope from reaching a stable inclination. Town officials were concerned about this section of their well-used trail system failing. Envirolok was able to conform to the slope's natural contours easily, and due to limited accessibility, a crane was utilized to access the slope from across the creek. A mixture of geogrid and earth anchors was used to increase stability and shear strength along such a steep slope. A mix of native grasses and wildflowers was hydroseeded onto the slope, and then nearly 2000 live stakes of dogwood and willow were added along the slope face. The slope was fully vegetated within three months of construction, and the root systems added further strength and support. The Envirolok system successfully stabilized the slope and established a habitat along a sensitive area for the Glenorchy Conservation Area.

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