

Lost Land Reclamation in N.O.T.L Irrigation Channel

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The town of Niagara On The Lake needed to reclaim lost land on an eroded bank with a steep 1:1 incline while at the same time *make little environmental impact* on the adjacent vineyard. We partnered with the Town and DSAO to choose the ideal solution for the project. We had examined previously installed solutions, such as riprap, and noticed the sliding down on the geotextile. As a result we need something that would provide a vegetated esthetic over time and requires no maintenance.

ShoreSox, a bioengineered product requiring no heavy equipment, was selected. ShoreSox allows a variety of plantings to be used within the system and in turn offers phosphate and nitrate filtration from on- coming runoff. Dogwoods and Pussy Willows were used as live staking's to blend with the current native growth. A sanitized growth media consisting of seed, topsoil, 15% clay and fine mulch was used to fill the system.

We were able to work with the town of NOTL to reclaim this eroded bank by introducing the ShoreSox System. It re-established the lost land quickly while making a minimal environmental impact. The entire project was completed in two days and immediately reclaimed the lost land and provided the vineyard owner with his previously lost laneway. This system will promote further vegetation to grow and establish a strong root system, *becoming a permanent erosion control solution.*