

LESLIE PARK STREAMBANK STABILIZATION PROJECT

Agenda

- Background
- Design Objectives
- Funding
- Construction Process
- Post-Project
- Q & A

Project Team

- Doug Kelly – A2Golf
- Scott Spooner – A2Golf
- Colin Smith – Parks and Recreation
- Jen Lawson – Water Quality Manager
- Harry Sheehan – WCWRC

Background – Problem Statement

- The stream channel is exhibiting some down cutting and bank erosion with high volumes of sediment being removed and deposited downstream.
- The existing vegetation along the creek is golf course turf grass with a limited buffer.
- There are locations along the stream that experience regular flooding.

Background – Existing Conditions



Background – Existing Conditions



Background – Existing Conditions



Background – Existing Conditions



Background – Existing Conditions



Background – Existing Conditions



Project Goals

- Functional (SW Quantity)
 - ▣ Infrastructure (Stormwater Management)
- Ecological (SW Quality)
 - ▣ Sediment Removal
 - ▣ Phosphorus Reduction
 - ▣ Habitat Improvement
- Recreational
 - ▣ Golf Facilities

Design Objectives

- The proposed project will address bank erosion as well as reduction of the phosphorus load in Traver Creek, tributary to the Huron River.
- Hydrologic, hydraulic and geomorphic conditions shall be assessed to develop appropriate stabilization measures.
- Limited detention of small events may be possible by retrofitting the downstream basin and upstream irrigation pond. This may involve moving the pump station.
- Ideas for additional stormwater treatment are welcome.
- Winter construction is preferred to minimize use conflicts.

Schedule

- January 2012 – design consultant on board
- April 2012 – preliminary designs
- July 2012 – final design and construction plans
- November 2012 – construction starts
- Spring 2013 – project complete (Growing Season for 2 years post-completion)

Funding

- State Revolving Fund Project – (2011 Project Plan)
 - ▣ Stormwater fund over 20 years
 - ▣ Potential for 50% principle loan forgiveness

Construction

- 2 “phases”
 - ▣ Moving Dirt
 - ▣ Planting Plants
- Completed in Winter to minimize impacts
- Soil Erosion Controls will be in place to minimize impacts from construction runoff

Construction



Post-Project



Questions?

