Springbrook Creek Bank Stabilization

Project Meeting

Coon Creek Watershed District
City of Fridley
Landowners

August 28th, 2018

Please sign in
Agenda

- Introductions
- Project Presentation
  - Background
  - Proposed project details
- Discussion
  - Questions, Concerns, Suggestions
- Review individual property details
Introductions

**Coon Creek WD**
- Jon Janke
  - Operations & Maintenance
- Ed Matthiesen
  - Engineer (Wenck)
- Hagen Kaczmarek
  - Engineer (Wenck)

**City of Fridley**
- Jim Kosluchar
  - Public Works Director/City Engineer
- Jon Lennander
  - Assistance City Engineer
Background

Project lead

Coon Creek Watershed District

Special Purpose Unit of government

for managing water

& related land resources

within a certain drainage area
Collaborative Effort

Coon Creek Watershed District

City of Fridley

Landowners
Background

Springbrook Creek Drainage Area

Size: ~4.1 mi²

Suburban land use

Upstream area ditched for agriculture & now serves as stormwater conveyance system.
Current Status of Springbrook Creek

Springbrook Creek does not meet State standards for recreation or aquatic life (impaired)

Stressors:

- Excess Phosphorus
- Altered Habitat
- Altered Hydrology
- Chloride
Location: Hugo St To East River Road
Current Status of Springbrook Creek

September 2016 storm damage
Gradual erosion overtime from urban runoff
Several severely eroded outside bends/steep banks
All banks could use some work
Existing landscaping and bank stabilizations
Shaded
Limited access
Proposed Project

NO Direct COST to adjacent properties

Purpose:
Reduce erosion (sediment & nutrients)  Enhance habitat for native species
Provide long-term channel stability/ reduce maintenance needs

Approach: 1000 foot comprehensive bank stabilization

Cost: $90,000

NO Direct COST to adjacent properties
Project Components

Access

Site preparation
  Down tree and debris removal
  Bank shaping/grading

Vegetated riprap
  Geotextile fabric
  Repurpose in-channel materials
  Rock riprap

Topsoil
Seed
Erosion control blanket

Restoration and follow-up inspection
Project Timeline

Spring 2018: Planning and preliminary design

Summer 2018: Landowner communication and final design

Fall-Winter 2018-19: Construction

Spring-Summer 2019: Site restoration/vegetation establishment
## What to Expect

<table>
<thead>
<tr>
<th>Communication</th>
<th>Working hours</th>
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<tbody>
<tr>
<td>Contractors schedule</td>
<td>Construction equipment</td>
</tr>
<tr>
<td>Fall/winter project</td>
<td>Chain saw</td>
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<tr>
<td>4+ weeks of construction</td>
<td>Backhoe</td>
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<td>Maybe in phases</td>
<td>Skidsteer</td>
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<tr>
<td>Clearing trees and debris</td>
<td>Dump truck</td>
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<td>Material deliveries</td>
<td>Restoration</td>
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Issues & Concerns

- No direct landowner cost
- Existing trees and landscaping
- Access limited
- Property loss/damage
- Noise
- Safety
- Post construction maintenance
- Previous repair attempts
- Too much water coming in from upstream
Cooperators Agreement

COOPERATOR AGREEMENT executed on ________________________________, 2018, by name(s) (Owner[s]), Address, Fridley, MN 55432 and the Coon Creek Watershed District (District), 12301 Central Avenue NE Suite 100, Blaine, MN 55434, a political subdivision of the State of Minnesota.

RECITALS

A. Owner is the owner of properties located in Anoka County, Minnesota, PIN (PIN) described as follows:

(Legal description)

B. The District intends to construct a bank stabilization project along a part of Springbrook Creek on a portion of the above property. The goal of the project is to halt existing and prevent future erosion of the bank along a portion of Springbrook Creek where significant erosion is threatening the steep sideslopes adjacent to the creek.

C. The bank stabilization project consists primarily of constructing vegetated riprap along the bank of Springbrook Creek. Owner(s) acknowledge(s) it is possible that as a result of this project certain trees and other landscaping features on their property may be lost or damaged.
Cooperators Agreement

D. Owner’s property will be materially benefited by this bank stabilization project.

E. It is necessary for the District, its agents, employees, contractors, to enter and work on the above property to complete the bank stabilization project.

Therefore, in consideration of the benefits to Owner’s property arising out of the above bank stabilization project, Owner(s) authorize(s) the District, its agents, employees, contractors, to enter upon the property located at Address, Fridley, MN 55432 and complete the bank stabilization project as proposed in Attachment A and contracted for by the District.

Owner(s) further release(s) and discharge(s) the District, its managers, agents, employees, contractors, from any and all present and future claims, demands, causes of action, damages, costs, that may arise as a result of the above bank stabilization project, including but not limited to the loss or damage to certain trees and other landscaping features in the project area on the above property.
Cooperators Agreement

Owner(s), their heirs and assigns, shall at their own cost maintain best management practices on the above property adjacent to the channel to prevent further erosion of the channel bank. These best management practices include but are not limited to: maintaining a buffer strip of permanent vegetative cover at least nine feet in width from the top of the bank along the above described property, leaving the buffer strip area in a natural condition (unmowed), and if planting vegetative cover, using deep-rooted plants.

This Cooperator Agreement shall inure to the benefit of the District, its managers, employees, agents and assigns and shall bind Owner(s), their heirs, legal representatives, assigns and successors in interest to the above described property.

________________________
Owner

Coon Creek Watershed District
By _________________________________
Its President
Questions, Concerns, Suggestions?

Thank you!

Contact:
Jon Janke
763-755-0975
https://www.cooncreekwd.org/springbrookbankstabil
CONSTRUCTION PLANS FOR SPRINGBROOK CREEK FLOOD REPAIRS
PEPARED FOR COON CREEK WATERSHED DISTRICT

JULY 2018

PROJECT VICINITY MAP
Reusing Stone or Burying Under Riprap (10/D-103)
9+30 to 10+30

Vegetated Riprap
8+30 to 10+40
Top of Rock
Approx. Height: 840.7

Remove Plastic Sheet
(9/D-103)
9+60

Vegetated Riprap
No Fabric to Top of Retaining Wall
7+00 to 8+90
Top of Rock
Approx. Height: 838.8

Remove Rubble Debris
(8/D-102)
8+30

Remove Fence Post
(7/D-102)
8+10

Vegetated Riprap (2/D-101)
2+70 to 7+00
Top of Rock
Approx. Height: 837.2
REMOVE PLASTIC SHEETING
NOT TO SCALE

REMOVE BRICK DEBRIS OR BURY UNDER RIPRAP
NOT TO SCALE

REUSE STONE OR BURY UNDER RIPRAP
NOT TO SCALE

REMOVE MISC DEBRIS
NOT TO SCALE