

205th Street Channel Reconstruct – Open House

November 16, 2016



Presented by

Mac Cafferty, City of Lakeville



Responsive partner.
Exceptional outcomes.

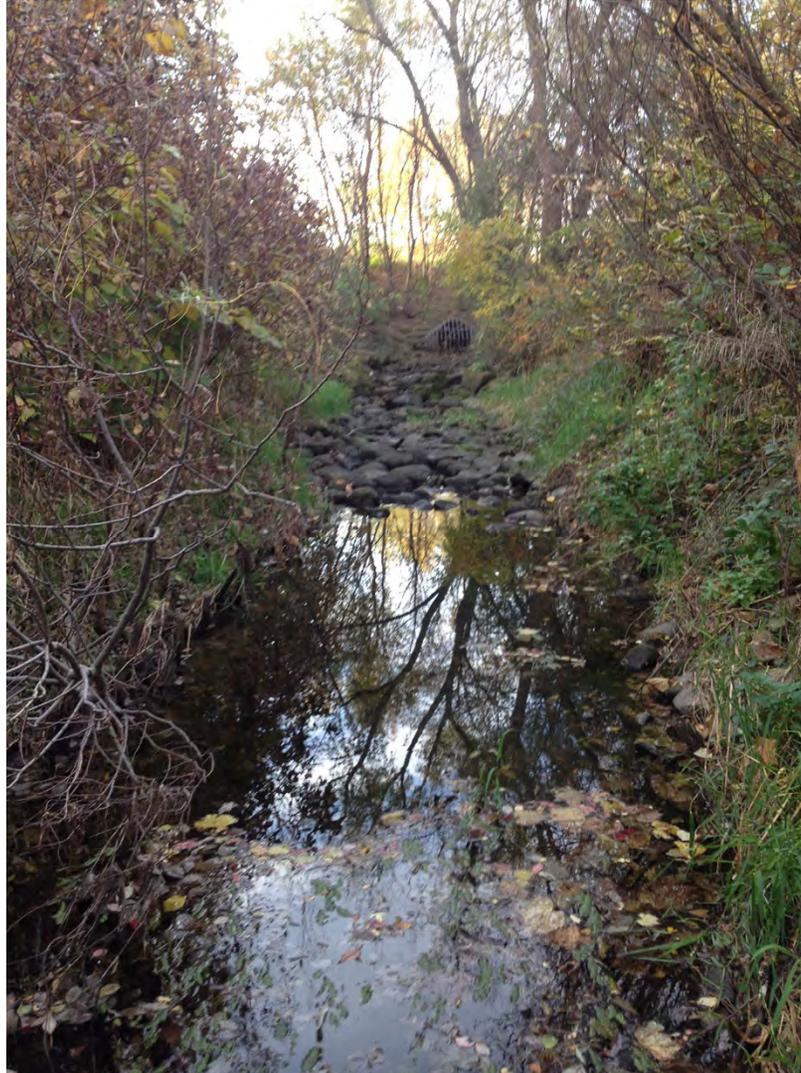
Wenck Associates

Jeff Madejczyk

Lucius Jonett, PLA (MN, ND, IA)

2009 Project

Open canopy, gentle vegetated banks



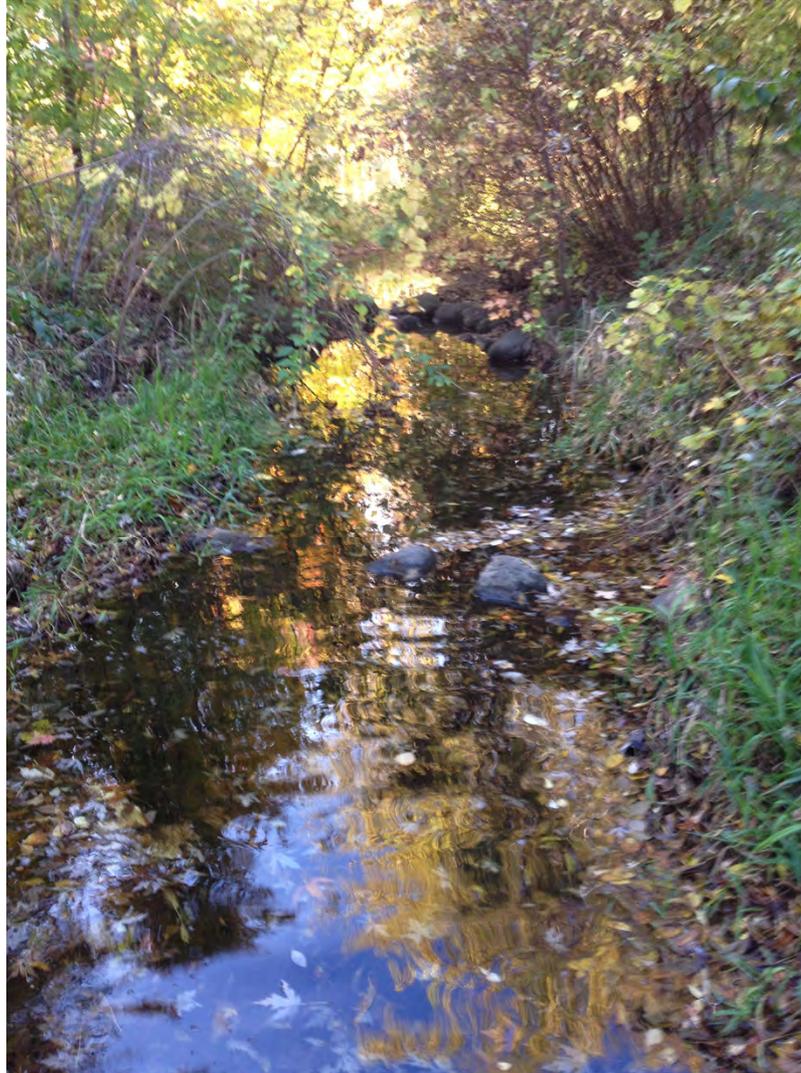
2009 Project

Boulder cross vane



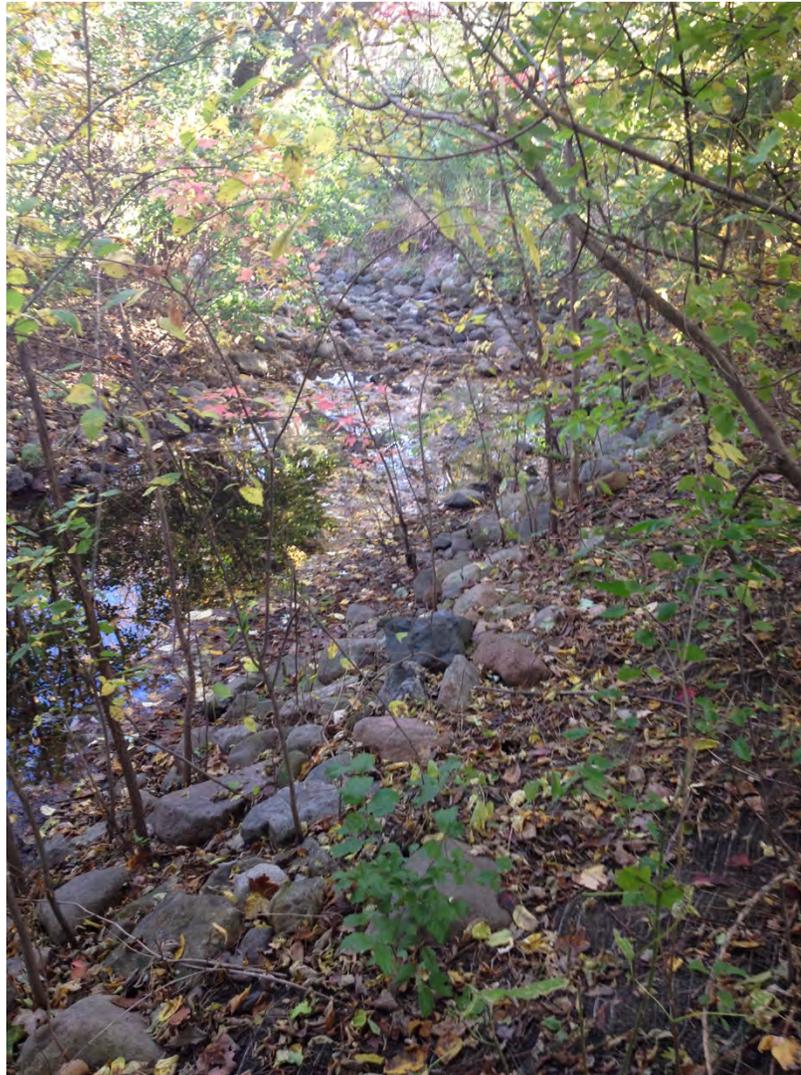
2009 Project

Gentle slopes, open canopy, vegetated banks



2009 Project

Steep slopes, dense canopy, rock lined banks



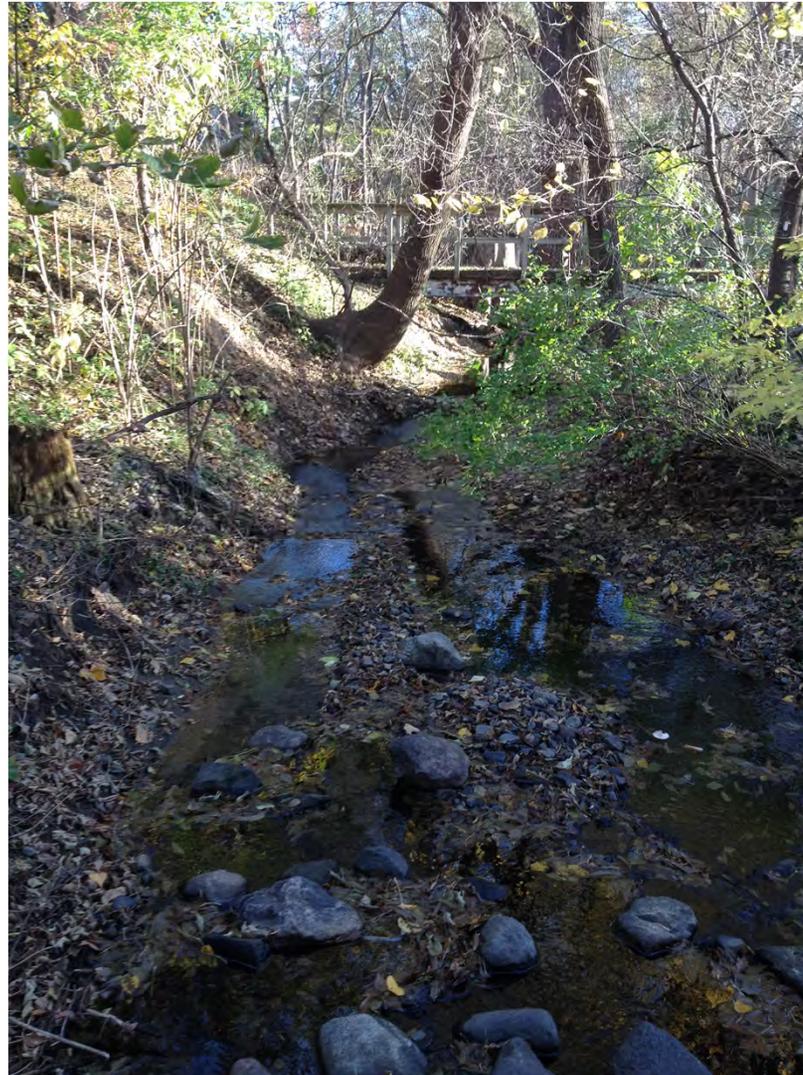
2009 Project

Major elevation change, rock lined pools and banks



2009 Project

End of the first project



Proposed Project – Existing Conditions (2016)

Start of new project, not so bad



Proposed Project – Existing Conditions (2016)

But there are problems



Proposed Project – Existing Conditions (2016)

An actively eroding problem



Proposed Project – Existing Conditions (2016)

A deep problem

Existing conditions



This rendering shows hard armoring to stabilize the stream. Native plantings will be used to disguise hard features. Final condition will match the first phase of the project after establishment.



Proposed Project – Existing Conditions (2016)

That runs a long way



Proposed Project – Existing Conditions (2016)

All the way to the wetland



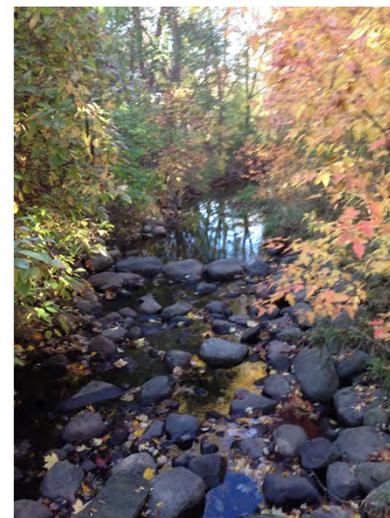
Proposed Project – Existing Conditions (2016)

Over-flow or old channel?



Proposed Project – Solution (2017)

- ▲ Make it look similar to the previous project.
- ▲ Armor steep banks with rock; add rock cascade to control elevation change; establish low flow channel; native plantings.
- ▲ Selective Tree removal to open up the canopy and allow vegetation to establish on the banks of the creek.
- ▲ Additional tree removal to allow equipment access for construction.
- ▲ More to come...



Responsive partner. Exceptional outcomes.

Questions?

Contact:

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