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Statement in regards to Schnitker Law Office Letter, Dated November 20, 2019

Executive Director Johnson and LSOHC members,

On behalf of the Roseau River Watershed District, I would like to clarify some concerns that were raised by the November 20<sup>th</sup> email from Schnitker Law Office and the attachment submitted from Otisco Engineering. First and foremost, the extension request is specific to the grant agreement between the MNDNR and the LSOHC, and not the Roseau River Watershed District. Our understanding, from our project partners within the Department of Natural Resources, are that negotiations are proceeding for the parcels eligible for acquisition using the applicable grant funds.

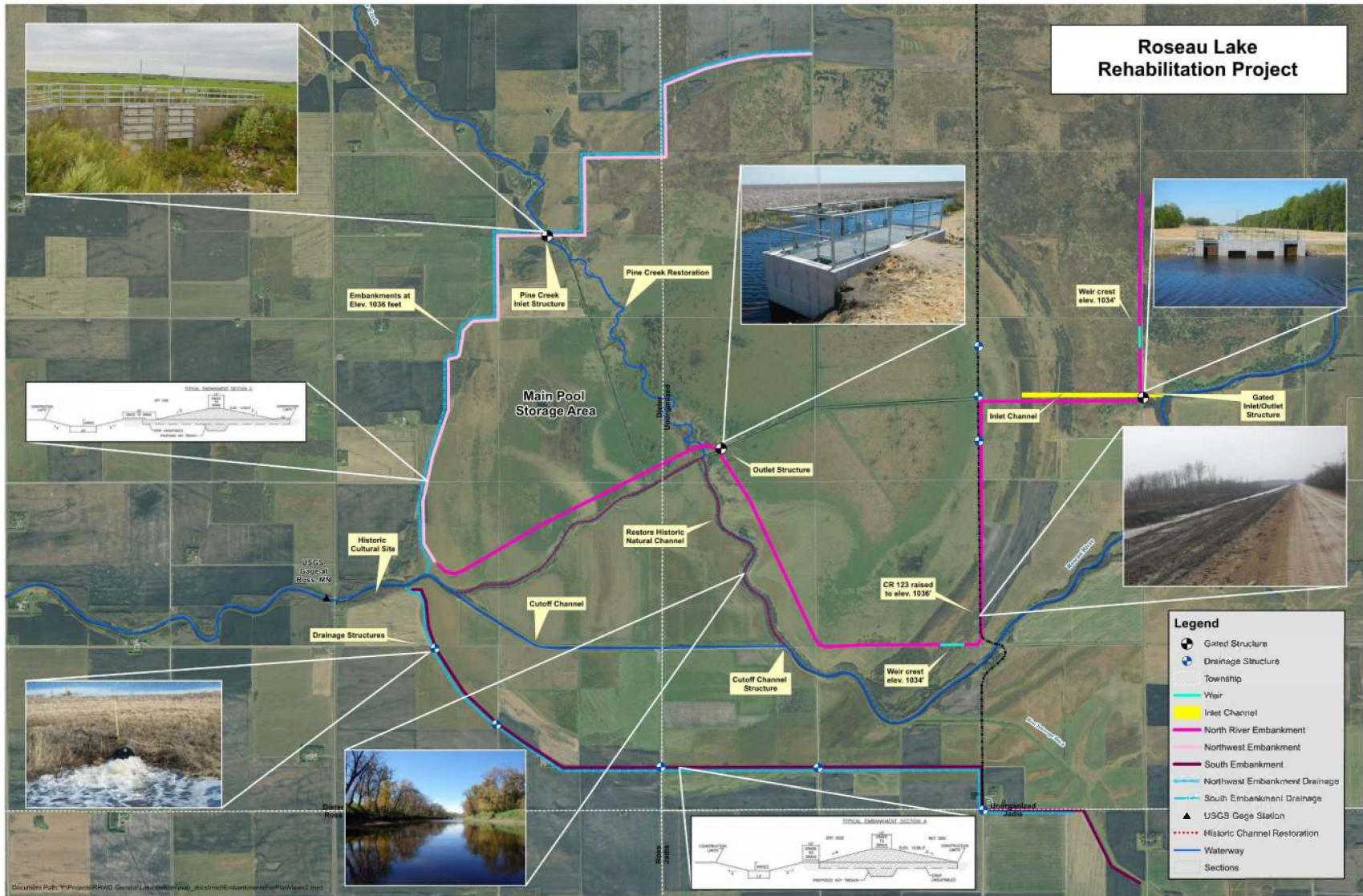
It appears that the primary concern of Mr. Schnitker and Otisco Engineering on behalf of their client goes as follows: how many acres of land owned by their shared client is subject to the project's footprint and how does that change the existing flood dynamics to said property within the drained lake? Per the data request the following link was supplied allowing the public access to all documents subject to the project team process <https://drive.google.com/drive/folders/1sEsJ4redD-LQnQoG41A0cW4Y1o8damR9>. The first document in this google doc (36 in total) was specific to the preferred alternative corridor as it overlays on private lands. Within this corridor, infrastructure i.e. dykes, ditches, culvert etc., may be shifted to avoid cultural or wetland resources to comply with state and federal regulations. As a result of this potential to shift the alignment within the corridor, we have refrained from submitting acres impacted by the project to subject landowners to avoid confusion. We share the frustration in project timelines, as these large multi-faceted projects tend to move slowly, however we have met with delays in part due to our willingness to work with private landowners. The Project Team met with private landowners (including those retained by council) to adjust the final corridor of dikes to reduce overall impact on private land through fragmentation. As a result of this action, the modified alignment required follow-up investigation for cultural and wetland resources, creating substantial delays to the project.

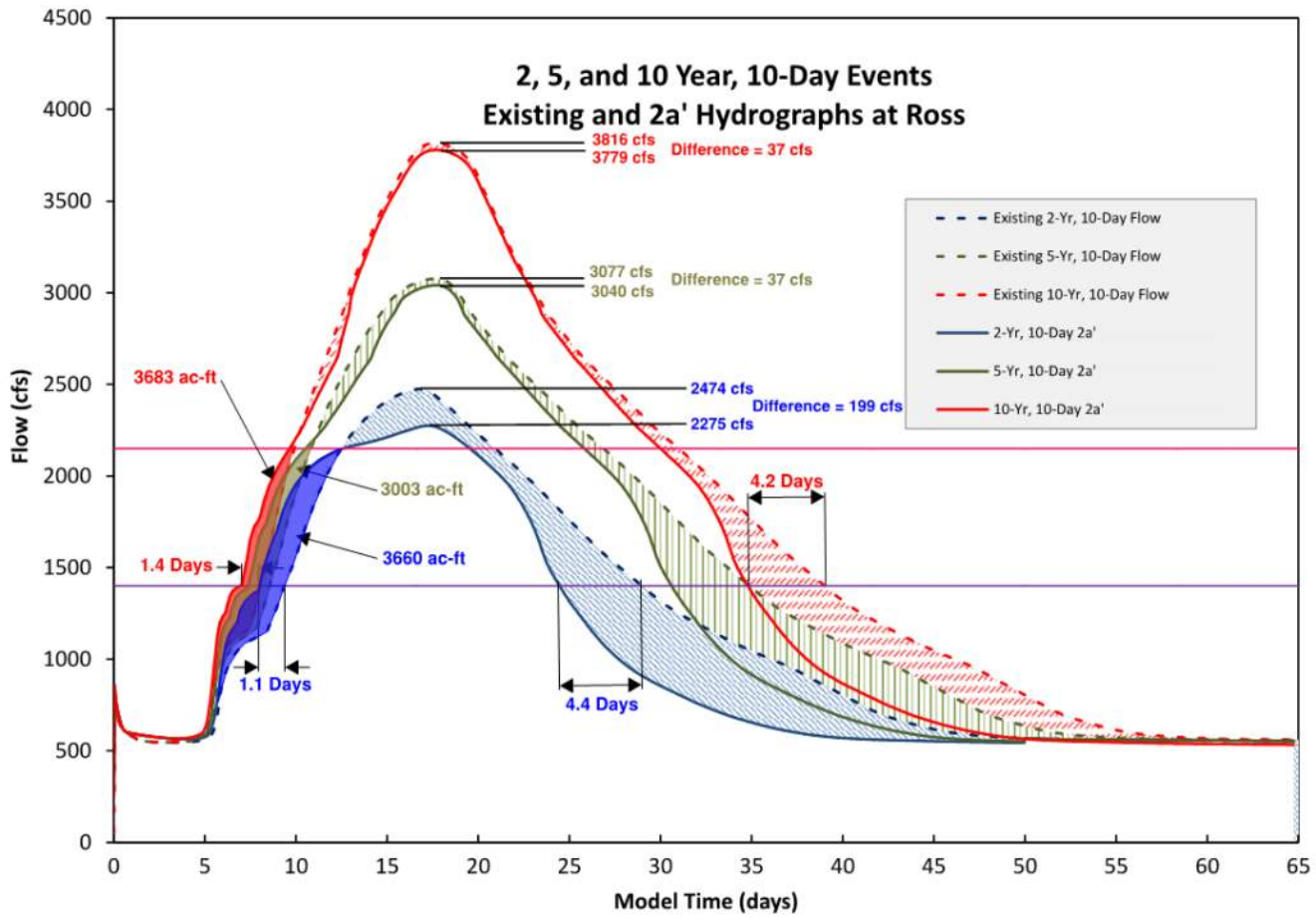
Thank you for your time in this matter.

Respectfully,

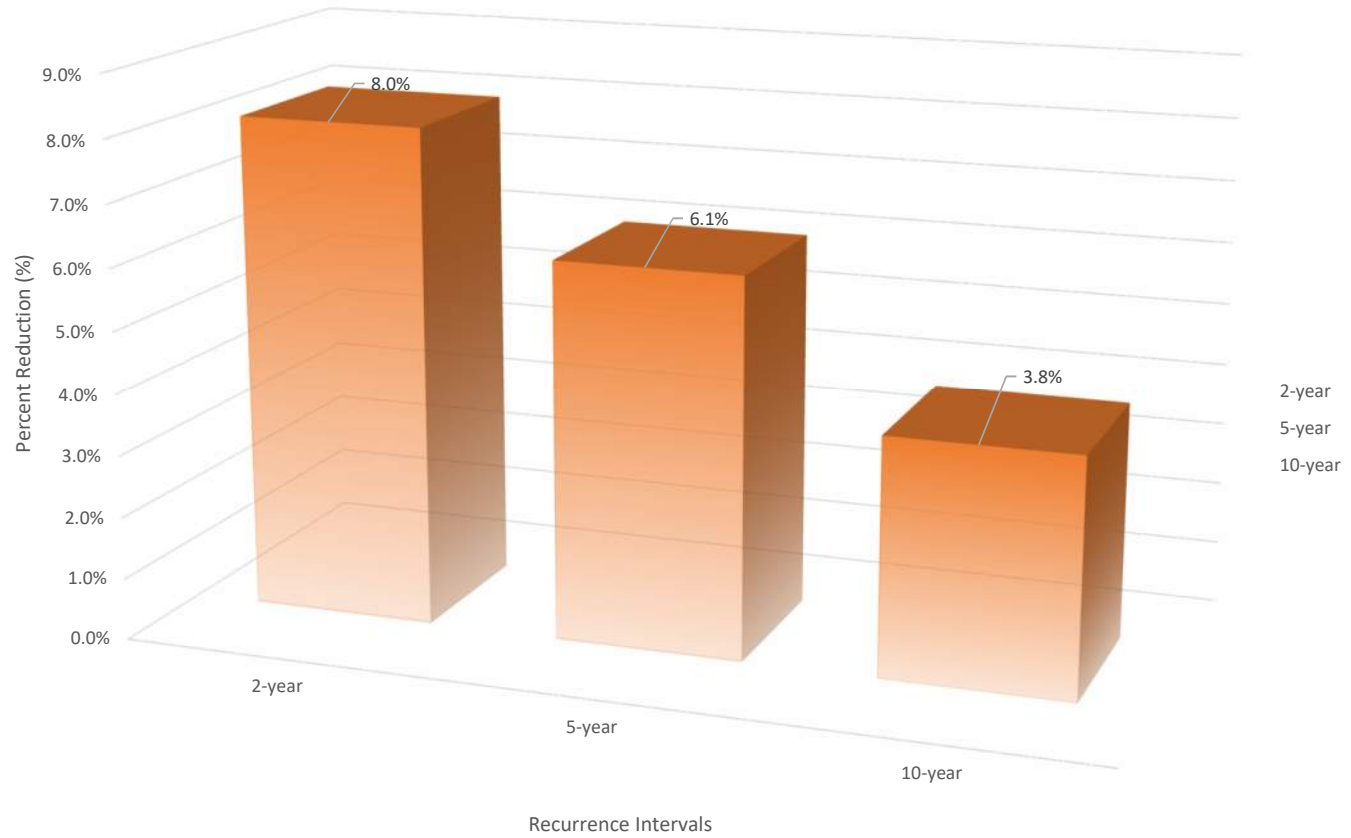
Torin McCormack  
Watershed Specialist – Roseau River Watershed District

# ROSEAU LAKE REHABILITATION PROJECT, LSOHC HEARING, DECEMBER 10, 2019





### Maximum Percent Flow Reduction



# FDR Tiers – Adjacent Lands and Downstream

## Frequent Benefit

- 2-5 year flood frequency....improved conditions up to about 35 feet for adjacent lands and downstream

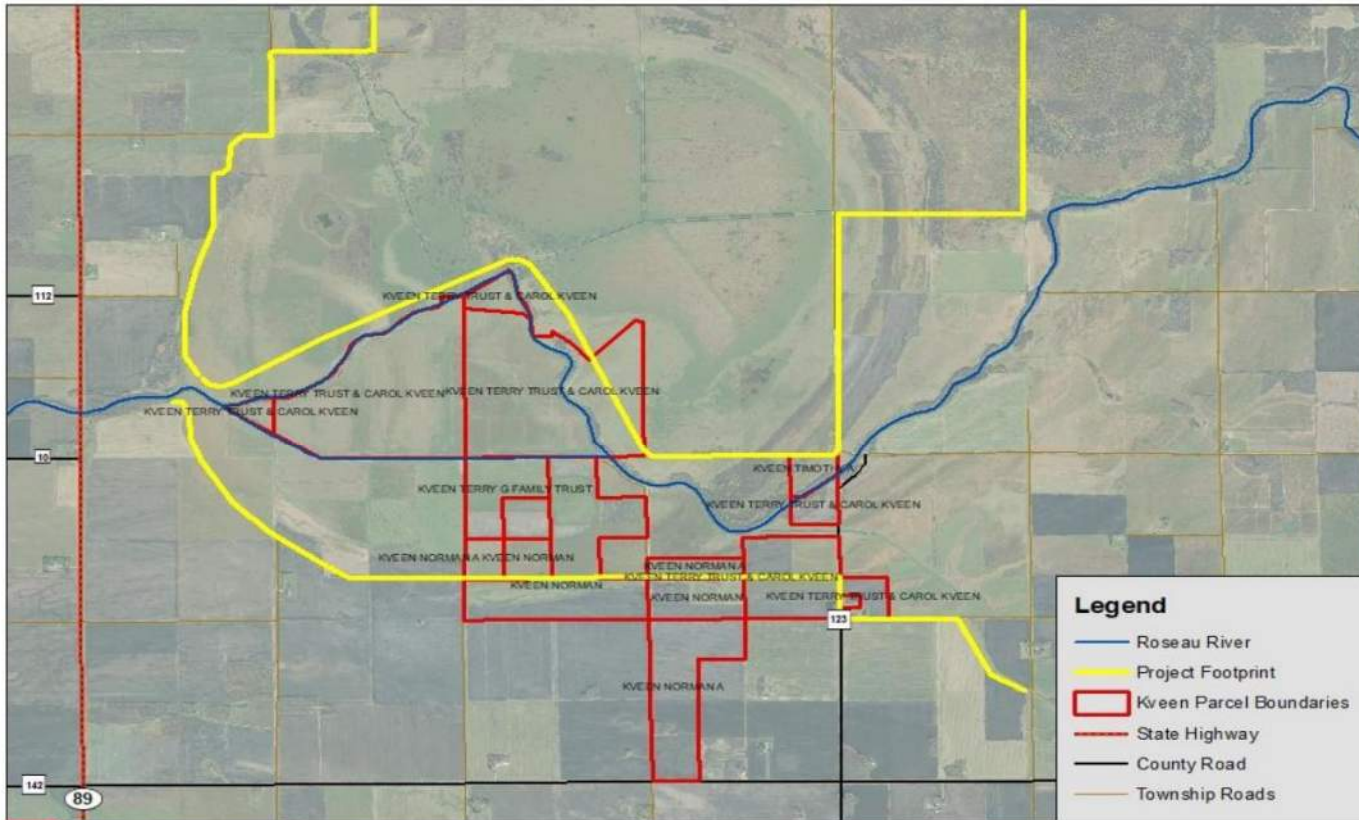
## 10 year 10 day Benefit

- Improved conditions downstream and similar to existing conditions and/or flowage easement for affected lands

## 100 year Flood

- Minimal impact





## Roseau Lake Project Overview

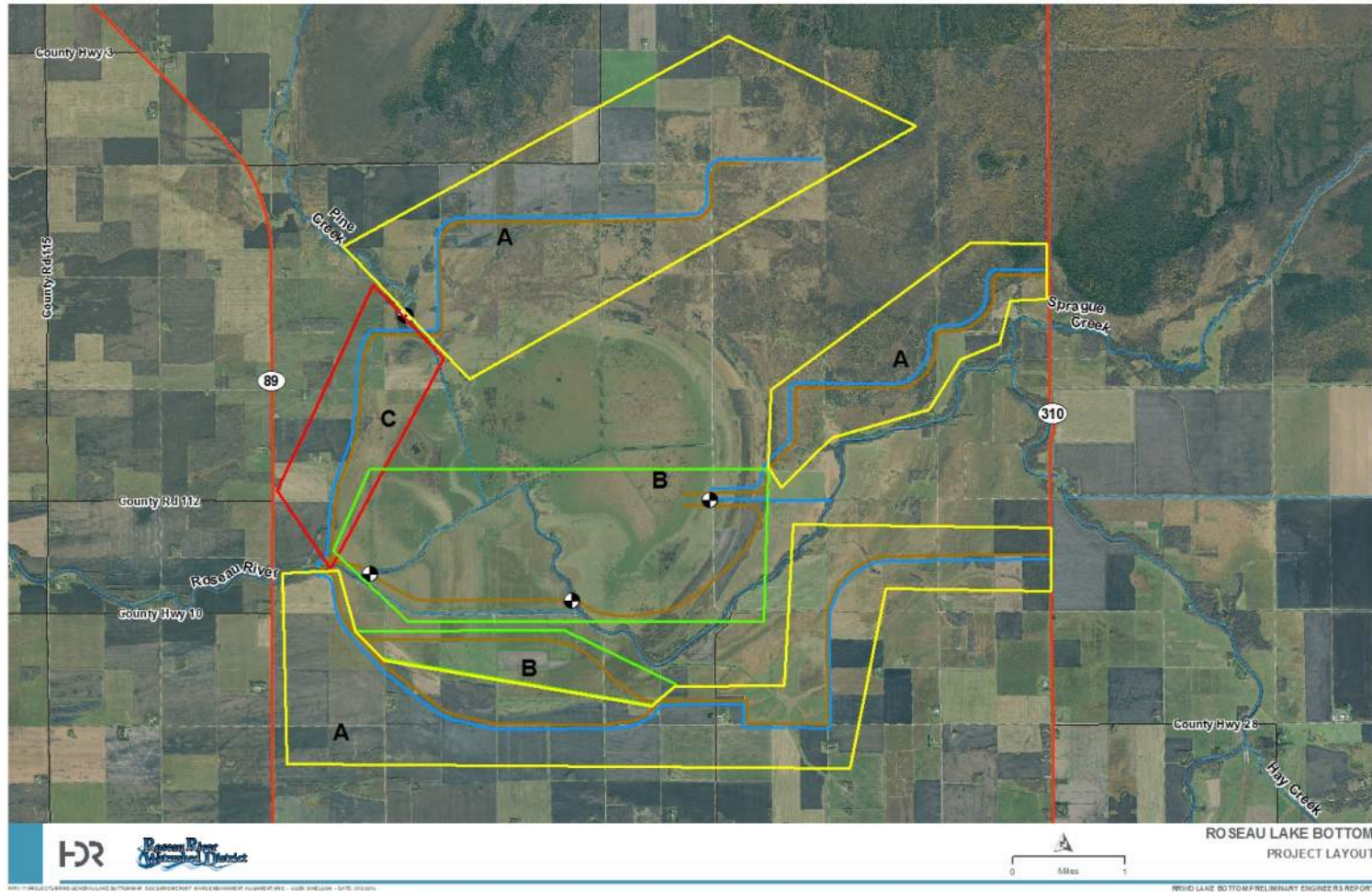
**Legend**

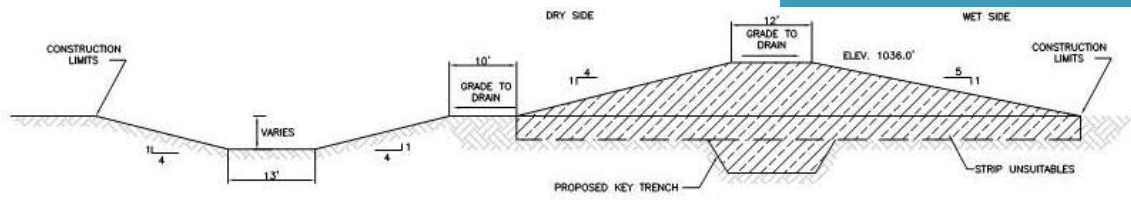
- Roseau River
- Project Footprint
- Kveen Parcel Boundaries
- State Highway
- County Road
- Township Roads



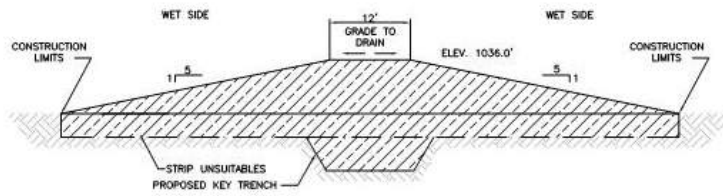
DATE: 10/20/2016

# Roseau Lake Project Typical Embankment

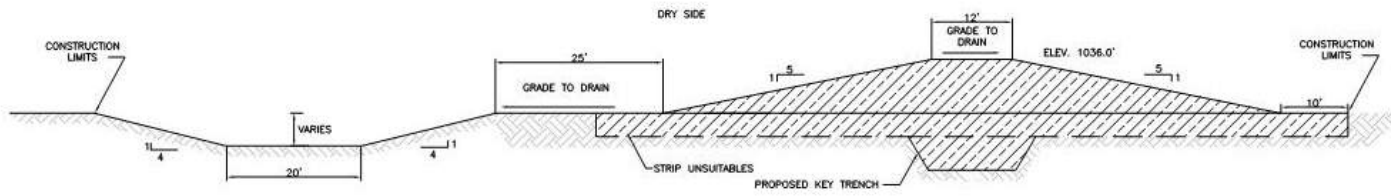




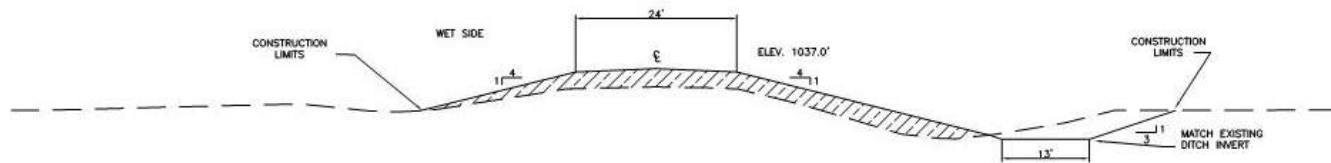
TYPICAL EMBANKMENT SECTION A



TYPICAL EMBANKMENT SECTION B



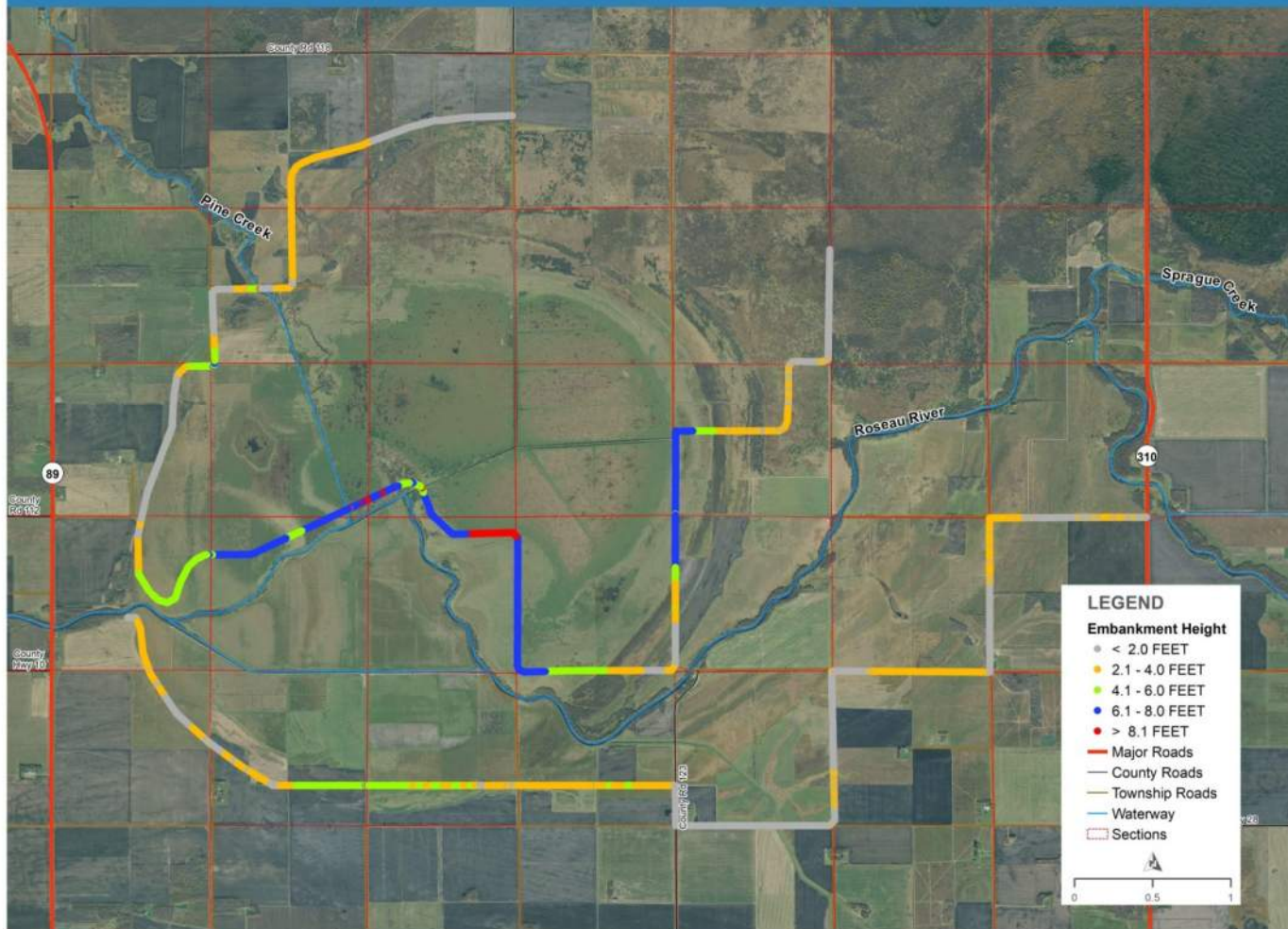
TYPICAL EMBANKMENT SECTION C



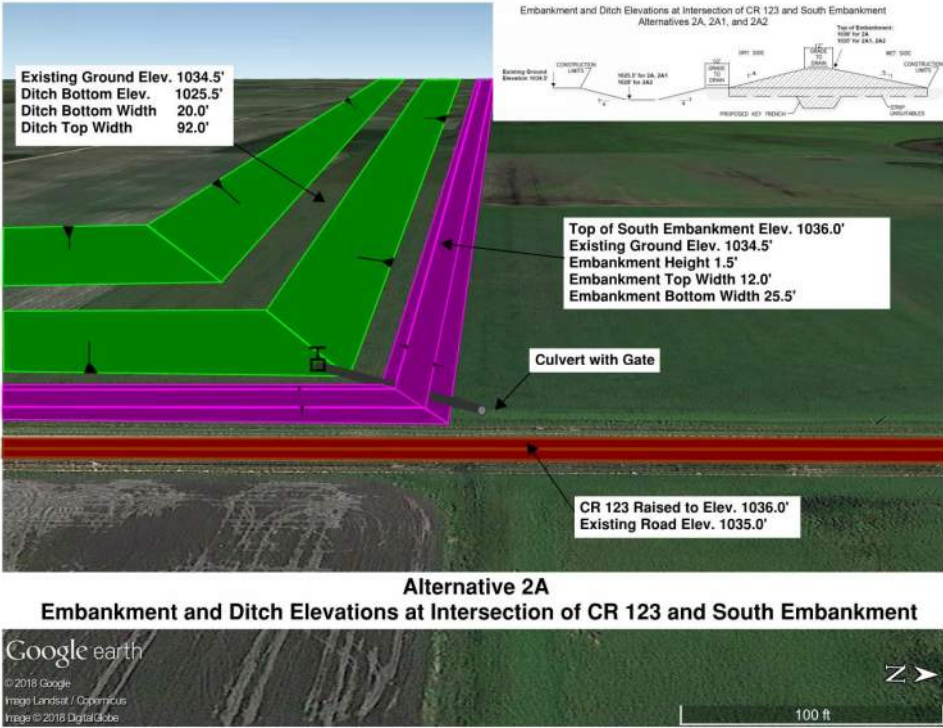
TYPICAL ROAD RAISE - CR 123

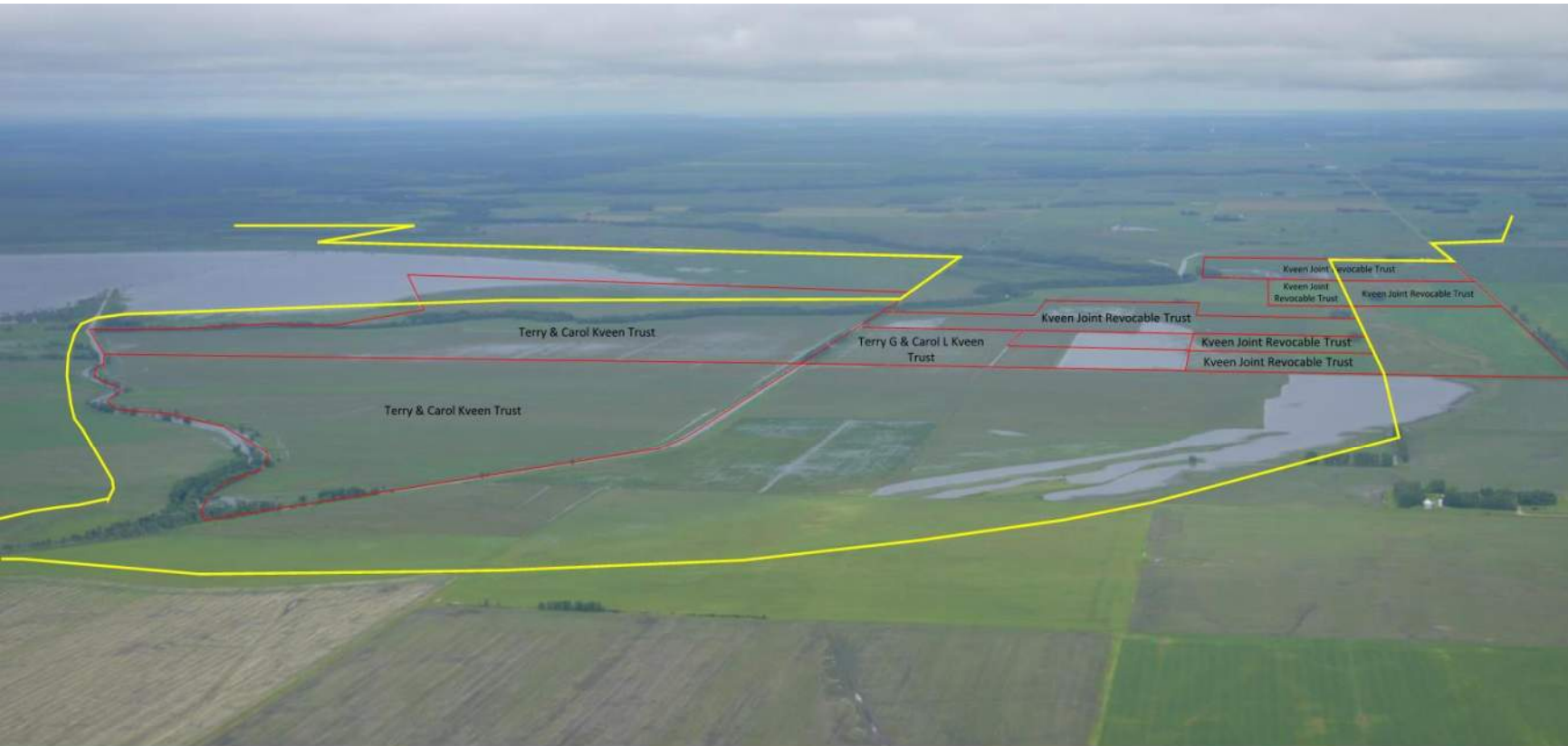


# Embankment Height - Alternative 2A



# Roseau Lake - Landowner Perspectives





Roseau Lake 2016, looking East across "Kveen Island"  
Most flooding is obscured by reed canary grass  
Elevation – 1032'

- Project Footprint
- Parcel Boundaries



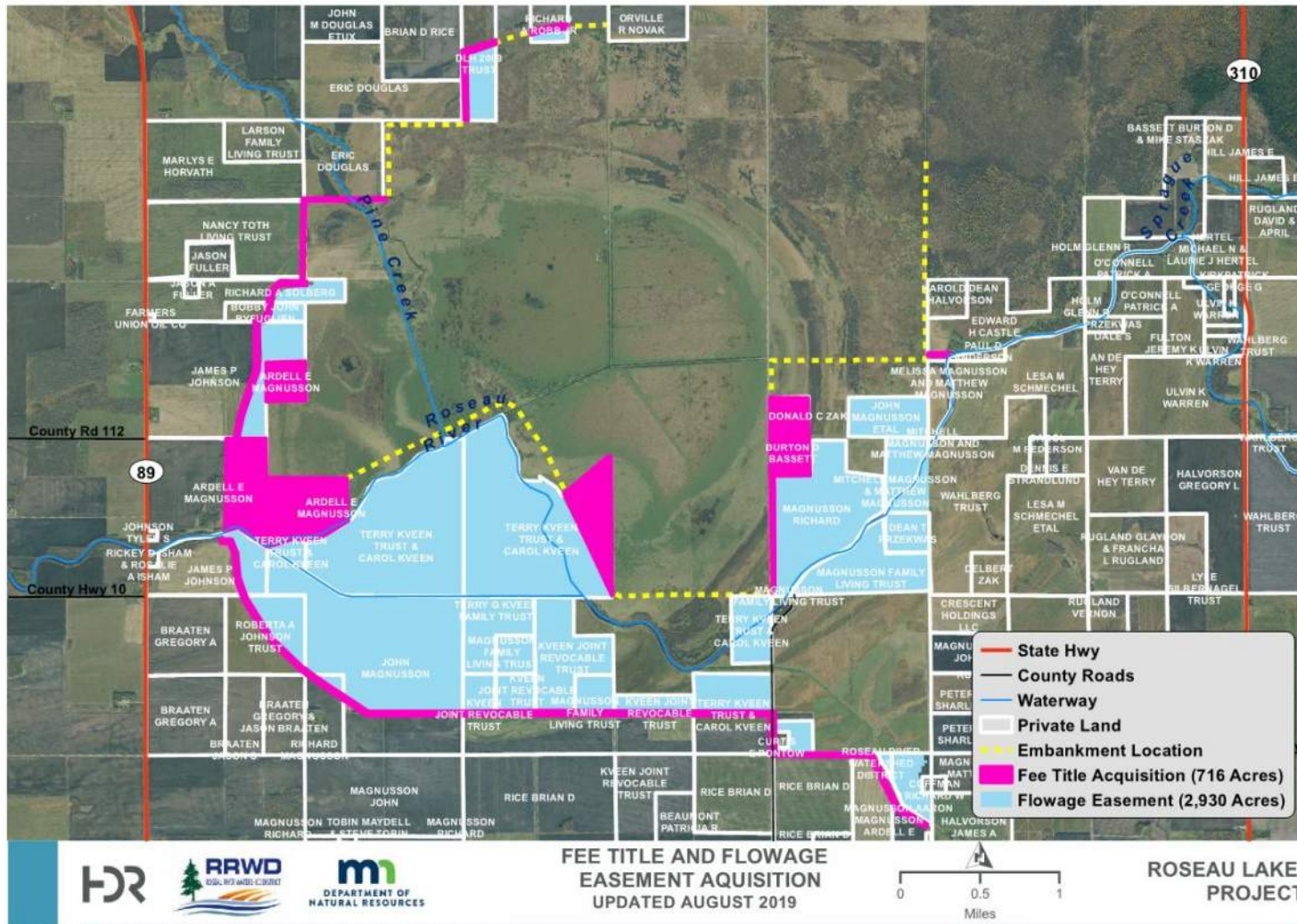
Roseau Lake 2017  
Looking North East across "Kveen Island"  
Elevation – 1033'

- Project Footprint
- Parcel Boundaries



Roseau Lake 2019  
Looking South across "Kveen Island"  
Elevation ~ 1032' in April  
Elevation ~ 1035'+ in October

— - Parcel Boundaries



PATH: Y:\PROJECTS\RRWD\GENERAL LAKE\BOTTOM MAP\_DOC\BKG\DESIGN MAPS\FEE TITLE FLOWAGE EASEMENT - USER: KBORG - DATE: 8/20/19

# Timeline

2015                      2016                      2017                      2018-2020                      2021                      2022

