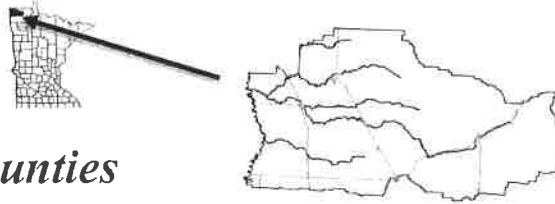


# Two Rivers Watershed District

In Roseau, Kittson, & Marshall Counties



*Board of Managers: Rick Sikorski-President; Roger Anderson-Vice President; Daryl Klegstad-Secretary;  
Bruce Anderson-Manager; Scott Klein-Manager, Gerald Olsonawski-Manager, Paul Johnson-Manager  
Staff: Dan Money – Administrator; Tyler Coffield – Head Technician*

*410 S 5<sup>th</sup> St., Suite 112, Hallock, MN 56728 - Phone (218) 843-3333 - Email: dan.money@tworiverswd.com*

*www.tworiverswd.com*

June 16, 2022

**To: Owners of property within Kittson Co. Ditch #10 benefitted area**  
**From: Dan Money, District Administrator**  
**Re: Public Hearing on KCD #10 to re-establish records**

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Greetings,

The Two Rivers Watershed District has scheduled a public hearing to re-establish the legal ditch records pertaining to a portion of Kittson County Ditch #10. This hearing is being held in accordance with MN Statute 103E.101 Subd. 4a. You are receiving this notice because you own land that is within the ditch benefitted area or you are otherwise potentially affected. KCD #10 is located parallel to and 1 mile north of MN State Highway 11. It begins at US Highway 59 north of the City of Karlstad and flows westerly for six and three quarter miles.

The Board of Managers has scheduled this hearing for 9:00 a.m. on July 7<sup>th</sup>, 2022 in the upstairs meeting room of the Kittson County Courthouse located at 410 S 5<sup>th</sup> Street, Hallock, MN. The Managers will consider all technical data and all comments received either for or against. All data and comment received will be utilized by the Board of Managers to make findings of fact and issue an order on their final decision.

Enclosed is a hearing notice, a description and map of the proposed re-establishment of the official ditch record. This proposal is a result of recent survey data, past erosion control projects on the ditch, and recent review of the ditch files.

As described in the hearing notice, both written and oral comments will be accepted by the Board of Managers. If you have any questions or comments regarding the public hearing or would like additional information please let me know.

Have a great day!



STATE OF MINNESOTA

BEFORE THE BOARD OF MANAGERS  
OF THE TWO RIVERS WATERSHED DISTRICT

In matter of the Re-establishment of Records )  
of Kittson County Ditch #10 in the )  
Two Rivers Watershed District )

**NOTICE OF HEARING ON THE  
RE-ESTABLISHMENT OF RECORDS OF  
KITTSOON COUNTY DITCH #10, KITTSOON COUNTY, MINNESOTA**

NOTICE IS HEREBY GIVEN that on the 7th day of July 2022, at 9:00 o'clock a.m. in the upstairs meeting room at the Kittson County Courthouse, 410 South 5<sup>th</sup> Street, Hallock, Minnesota, a **public hearing** will be held in regard to the re-establishment of drainage records for Kittson County Ditch #10, pursuant to MN Statute §103E.101 Subd.4a.

A recent survey and engineer's review of the ditch has found discrepancies between the original planned ditch grades and cross sections and the actual grades and cross sections. One section of the ditch appears to never have been excavated to the depth of the original 1906 plans and another section of the ditch was severely eroded in the 1990's and repaired to a more stable grade. The Board of Managers of the Two Rivers Watershed District, acting as the Ditch Authority for Kittson County Ditch #10, has initiated proceedings to re-establish the legal ditch grade and cross section.

The engineer's survey report concerning the proposal has been filed with the Board of Managers. The report is available for inspection at the office of the Two Rivers Watershed District at 410 South 5<sup>th</sup> Street in Hallock, Minnesota.

All parties interested in the proposed re-establishment of ditch records, or who are affected by said proceeding are invited to appear before the Board of Managers at such time and place and present their objections, if any, why an Order should not be made by the Board of Managers of the Two Rivers Watershed District re-establishing the records of a portion of Judicial Ditch #10 in Kittson County, Minnesota, and confirming the report of the engineer.

TWO RIVERS WATERSHED DISTRICT

Dan Money, District Administrator

# WIDSETH

## Crookston

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March 9, 2022

Two Rivers Watershed District  
410 5<sup>th</sup> St., Suite 112  
Hallock, MN 56728

Re: Kittson County Ditch #10 Engineer's Repair Report

As part of the watershed districts ongoing legal ditch maintenance program, Kittson County Ditch #10 (KCD10) was surveyed during the Summer of 2021 to determine if there were any repairs necessary. The survey started at Station 2+67 and went to the downstream end of KCD10 at Station 371+23, a total distance of 7 miles. The repair plan showing this survey is attached.

An important consideration regarding the repair of KCD10 is in regard to erosion. The ditch has in the past experienced significant erosion which resulted in downcutting of the ditch. Any repair work that is considered needs to have the benefit of the repair weighed against creating a higher risk for erosion. The erosion risk is a combination of the type of soils along the ditch and the relatively steep slope of the ditch.

On the upstream end from Station 2+67 to approximately Station 150+00, it appears that the ditch was never excavated as deep as the original 1906 plan profile, for nearly all of this portion. In 1992 soil borings were taken in the bottom of the ditch. The location and elevation of the virgin soil that was found are labeled on the profile. The virgin soil level typically indicates the deepest depth that the ditch has been excavated in the past. In this portion of the ditch the virgin soil elevations were significantly above the original 1906 plan profile. Since the ditch appears never to have been excavated to full depth, combined with the fact that the ditch depth and cross-section that exists in this portion is adequate for the drainage area that it serves, I am recommending that the ditch from Station 2+67 to 170+00 be maintained to the profile (labeled "Adjusted Grade Profile") and cross-sections shown on the attached plan sheets. This is essentially as this portion of the ditch exists today.

Regarding the ditch from Station 170+00 to 216+00, the ditch is presently below the original 1906 plan profile. For this portion I recommend that the 1906 profile be used to determine when repairs are needed.

From Station 216+00 to 371+23, this portion of the ditch suffered significant erosion damage circa 1996. To stabilize this portion of the ditch several grade control culvert rip rap structures were installed and a revised ditch profile was developed. For this portion I recommend that the profile labeled as "1996 Repair" be used to determine when repairs are needed.

Assuming the above recommendations are used for the grade to be used for repairs of each of the individual portions of the ditch, at this time I do not see any portions of the ditch that should actually be repaired. However, there are three portions that should be closely monitored in the future. These are Station 150+00 to 162+00, 325+00 to 330+00 and 360+00 to 370+00 where the 2021 surveyed bottom of the ditch was found to be significantly lower than when it was surveyed in 2016. These

may be portions where continued erosion would need stabilization to eliminate significant damage and associated repairs to the ditch in the future.

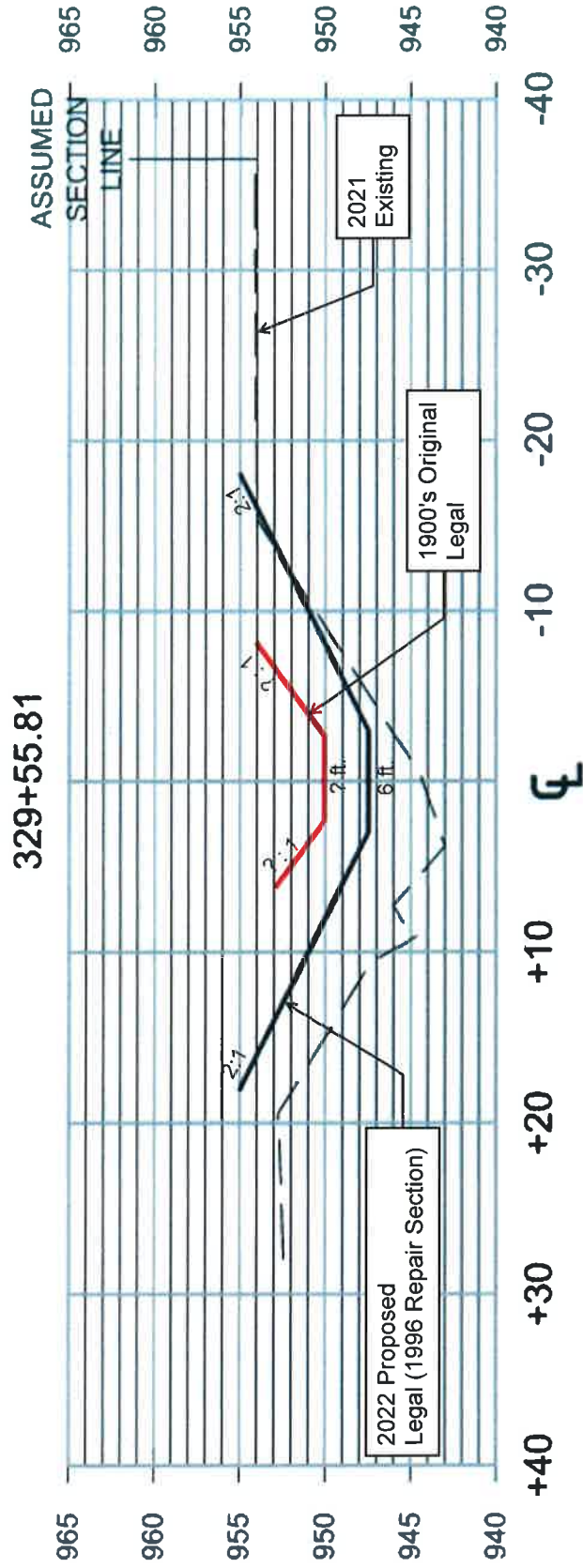
Sincerely,  
Widseth Smith Nolting & Associates, Inc.

*Blake Carlson*

Blake Carlson, P.E.  
Water Resources Engineer

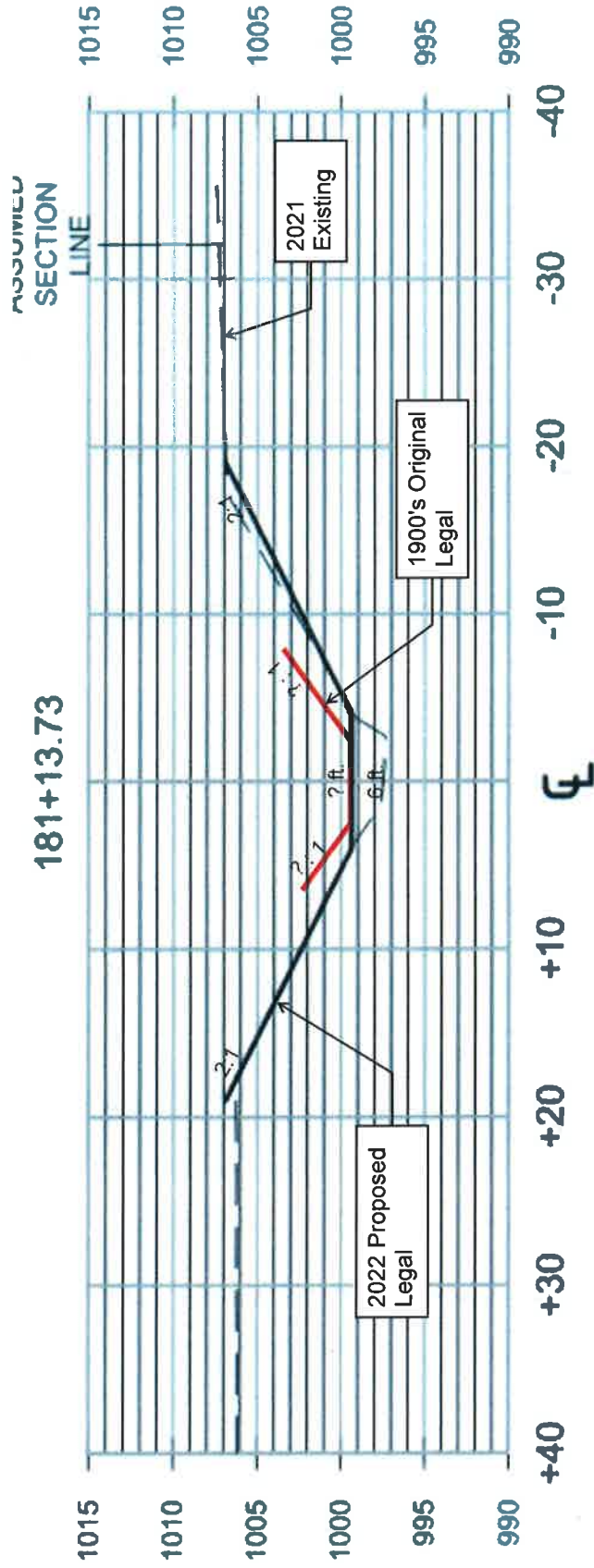
Attachments

Kittson County Ditch #10  
 1996 Repair Section

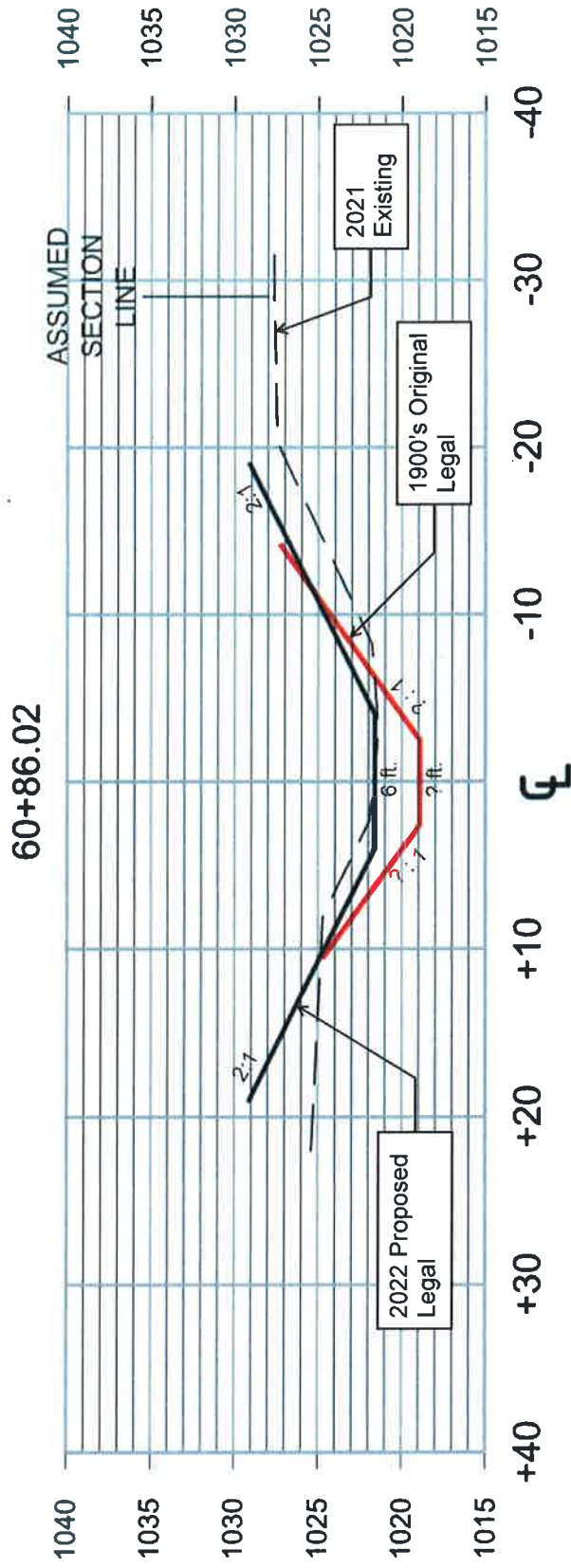


Note: This section of the ditch was severely eroded by Spring flooding and later heavy rains that occurred in 1996.

Kittson County Ditch #10  
1900's Original Section



Kittson County Ditch #10  
Adjusted Grade Section



Note: It does not appear that this section of the ditch was ever excavated to the 1900's Original Legal section.

