To the Board of County Commissioners:

Gentlemen:

I the undersigned, Wayne L. Ridge, Engineer appointed by your Board to make an examination and preliminary survey of Repairs County Ditch No. 41 as petitioned for by Simon Kruse and others would report as follows:

All references made to Ditch 41 in this Report are as to Ditch 41 as established by the Repairs of Ditch 41 of 1918. The Repairs of Ditch 41 of 1918 show the Main Ditch to be 8¼ miles long and 8 branches. 7 1/3 miles long and draining 2955 acres.

I have made such examination and preliminary survey and find that the Main Ditch from near the Town line between Blaine and Anoka to the outlet in Coon Creek a distance of 2½ miles is in good condition and to grade. This portion of the Main Ditch runs through considerable high ground and the grade is steep and only 18 acres has been assessed benefits in this 2½ miles.

The Main Ditch from the starting point to the Town line above mentioned a distance of about 6 miles, is in need of repairs, ranging from grade to 2 feet above grade and in many places the bottom is grown over with grass. There are several long stretches of sand bottom and it is in these sand cuts that the highest points above grade are found. This portion of the Main Ditch is of sufficient width on top and bottom. The cost of repairing and placing to grade, I would estimate to cost about $3500. This work would probably be done by hand as there is a relatively small amount of cubic yards of excavation.

I estimate that this repair would directly benefit all low lands lying East of Central Ave. and within ½ mile of the Main Ditch--amounting to 1523 acres and owned as follows:

Simon Kruse	703	acres
Jeanette F. Drew	292	"
C. A. Nelson	159	"
Helen M. Holms	64	"
Louis Matushak	62	"
Pat and James Lyons	51	"
Katherine Lovell	49	"
Chas. Otto	40	"
Casper Richl	39	"
James Lyons	21	"
Eva B. McLaughlin	9	"
E. J. Bremer	8	"
Richard Rickaby	2	"
Total of	1523	acres

John Larson 13 acres
John Linquist 11 acres

The grade of this upper 6 miles of the Main Ditch can be lowered an average of 2 feet. This would mean lowering the present bottom from 2 to 4 feet. This can be done without increasing the width on top except on the upper 1½ miles. I would estimate this repairing and deepening to cost about $8000 and would be a machine job. This would affect the same amount of land namely the 1523 acres.

The branches 7 1/3 miles in length range from grade to 1½ feet above grade in the sand cuts. The bottom and slopes are grown over with grass and weeds and some willow brush. I would estimate the cost of repairing these at $500 per mile or a total cost of about $3700. The repairing of these branches would benefit the drainage of about 1000 acres of land.

A summary of the above estimates is as follows:

To repair upper 6 miles of Main Ditch and place to original grade would cost about $3500 and affect the drainage of about 1500 acres of land.

To deepen Main Ditch over the same distance an average of 2 feet below grade would cost about $8000 and affect the drainage of about 1500 acres of land.

To repair Main Ditch and all branches and place to original grade would cost about $7200 and affect the drainage of about 2500 acres.

I would report that it is feasable and practicable to repair County Ditch No. 41 under any of the plans I have indicated also that the lower end and outlet of County Ditch No. 41 are of sufficient capacity.

I attach to this report a map showing the location of County Ditch No. 41 and the names of the owners of the lands that are likely to be affected by this improvement.

Anoka, Minnesota,
November 28, 1923.

Wayne L. Ridge
Engineer.

Filed in the office of the County Auditor of Anoka County, Minn., this 28th day of November 1923.

COUNTY AUDITOR

By

DEPUTY AUDITOR