



**Benefits and Damage Statement for the Redetermination of Benefits  
Le Sueur-Rice County JD 54**

In accordance with Minnesota Statute (MS) 103E.351, we the viewers, submit the following Viewers' Report:

The fundamental principle for the determination of benefits and damages is based upon a comparison of the conditions prior to the construction of the ditch system with the conditions that exist after the implementation of the ditch system or proposed drainage project.

The undersigned viewers, pursuant to the order of the Le Sueur & Rice County Drainage Authority, did meet prior to commencing duties on the 23rd day of January, 2018 at the Le Sueur County office in Le Center, Minnesota. Having taken the oath as required by MS 103E.305, did view, all lands affected by said proposed drainage system and further, we did determine the damages to lands affected by establishment of a grass strip, permanent and temporary damages.

We were able to determine the boundaries of the benefited area by processing and analyzing maps using "Light Detection and Ranging" (LiDAR) along with visually viewing the project area. Meetings were held with landowners, and Le Sueur & Rice County staff. We viewed each County Assessors' records to determine the number of acres of land in each parcel of each 40-acre tract of land. Other sources of information used were USDA-Natural Resources Conservation Service Web Soil Survey, 12 years of USDA satellite imagery, US Fish and Wildlife Service National Wetland Inventory (NWI) maps, and Le Sueur & Rice County Assessors' sales data and annual report.

We have determined the extent and basis of benefits and damages as prescribed under MS 103E.315 and MS 103E.321. We have indicated in tabular form, for each lot, 40-acre tract, and fraction of a lot or tract under separate ownership that is benefited or damaged (see Exhibit A).

During the process, the viewers discovered overlapping acres. These overlapping acres are those that the viewers feel belong in the watershed, but were allocated to a bordering system prior to the re determination of JD 54. These acres are indicated in the Exhibit A report in a separate column with the appropriate values attached.

An easement, in the form of an additional restriction on the use of real property adjacent to the open channel of the drainage system, will be acquired and, therefore, damages will be awarded for the establishment of a permanent strip of perennial vegetation approved by the drainage authority that will not impede future maintenance of the drainage system as required in MS 103E.021. We determined these damages at two separate values. Grass Strip damages "A" acres, lands which current land use will not change, but will still have permanent

restrictions of future land use. Grass Strip damages "B" acres, lands demanding a higher value based on current land use. The value determined for "A" acres is \$3422 and the value for "B" acres is \$6873.

We have determined the following direct drainage benefits and indirect (outlet) benefits on and related to the redetermination of benefits for Le Sueur-Rice County JD 54. Benefits were determined based on the drainage system operating in its as constructed condition.

Direct Benefits – Class 1 (Mapped as Red)

Using the direct market value approach, giving consideration for the lands' geographic location in the watershed, location relative to the outlet, proximity to the ditch bottom elevation, soil types, as well as analyzing direct sales data for competitive properties in the market place, we determined the existing market values of land in an unimproved condition as well as in an improved condition. Though this description may not describe your lands exactly, your lands fell broadly under this category.

Class 1 lands, prior to the existence of the drainage system, had a value range of \$1,448 to \$1,601 per acre. They consisted mostly of low wetlands unsuitable for even hay or pasture most years. With the establishment of adequate drainage to these lands, the market value has increased to \$5,794 to \$6,403 per acre. These lands are now used for productive row crops.

The viewers have determined based on these values, along with allowances for private improvement costs, that Le Sueur-Rice County JD 54 provides for an increased market value/benefit to agricultural/cropland acres in Class 1 by the rate of \$3,724 per acre.

Direct Benefits – Class 2 (Mapped as Yellow)

Using the direct market value approach, giving consideration for the lands' geographic location in the watershed, location relative to the outlet, proximity to the ditch bottom elevation, soil types, as well as analyzing direct sales data for competitive properties in the market place, we determined the existing market values of land in an unimproved condition as well as in an improved condition. Though this description may not describe your lands exactly, your lands fell broadly under this category.

Class 2 lands, prior to the existence of the drainage system, had a value range of \$3,631 to \$4,014 per acre. It was mostly utilized as hay and pasture land. Although some row crops were grown in this land class, it was not without substantial risk of loss to the grower. Now that adequate drainage has been established through these lands, the market value has increased to \$7,263 to \$8,028 per acre. The lands are now used to grow some of the most productive row crops in the area.

The viewers have determined based on these values, along with allowances for private improvement costs, that Le Sueur-Rice County JD 54 provides for an increased market value/benefit to agricultural/cropland acres in Class 2 by the rate of \$2,973 per acre.

Direct Benefits – Class 3 (Mapped as Green)

Using the direct market value approach, giving consideration for the lands' geographic location in the watershed, location relative to the outlet, proximity to the ditch bottom elevation, soil types, as well as analyzing direct sales data for competitive properties in the market place, we determined the existing market values of land in an unimproved condition as well as in an improved condition. Though this description may not describe your lands exactly, your lands fell broadly under this category.

Class 3 lands, prior to the existence of the drainage system, had a value range of \$7,529 to \$8,322 per acre. These lands were mostly utilized for the production of row crops, although over saturation of the soil and surrounding lands did not allow for these lands to realize their full production potential. Now that the drainage system has been established, the land is able to utilize the system as an outlet to drainage tile systems and increased the production potential. As a result, the land value range has increased to \$10,039 to \$11,096 per acre.

The viewers have determined based on these values, along with allowances for private improvement costs, that Le Sueur-Rice County JD 54 provides for an increased market value/benefit to agricultural/cropland acres in Class 3 by the rate of \$1,792 per acre.

Indirect Benefits – Class 4 (Mapped as Blue)

Class 4 lands are lands which have not had an increase in market value after the construction of the drainage system. However, they have been altered from their pre-settlement state in such a manner that they are now tilled and farmed. As a result, they burden the drainage system's capacity, thus increasing a sediment load and causing a need for increased maintenance. Taking into consideration the percentage of Class 4 acres in the watershed, regular ditch maintenance, and sediment loading, we determined the rate per acre that Le Sueur-Rice County JD 54 provides as an outlet or contribution benefit to these lands. Though this description may not describe your lands exactly, your lands fell broadly under this category. The viewers have determined the Class 4 outlet benefit rate to be \$735 per acre.

Example of how benefits were calculated for Class 2:

Market Value Before Project:	\$3,823
Market Value After Project:	\$7,646
Increase in Market Value:	\$3,823
Less Private Improvement Costs:	\$850
Net Benefits:	\$2,973

Road Benefits

The viewers have determined outlet as well as reduced maintenance cost benefits for all State, County, and Township roads located within the boundary of Le Sueur-Rice County JD 54 at a rate of \$2378 per acre.

Residential Land Benefits

Outlet benefits were applied to residential lands within the watershed of Le Sueur-Rice County JD 54. The outlet benefit was calculated based on runoff burden to the drainage system and use of the drainage system as an outlet. The viewers have determined the outlet benefits for residential lands at the rate of \$145 per acre. Urban residential acres are \$435 per acre.

Woodlot Benefits

Benefits were applied to woodlot lands within the watershed of Le Sueur-Rice JD 54. These lands receive a benefit because the ditch conveys their water burden away from adjacent landowners and adds to the need for system capacity and system maintenance. The viewers have determined the benefit for woodlot lands at the rate of \$131 per acre.

Non-benefiting Acres

Based on current land use and regulatory restrictions, permanent program restrictions (i.e. RIM or CREP) or other permanent restriction and restoration to pre-settlement landscape conditions or creation of wetland areas, we determined some areas to be non-benefited from the drainage system and restricted from taking future benefit from the drainage system. For example, we determined that lands restored to pre-settlement conditions and permanently restricted from future modification would not drain in any altered manner such that the drainage system would be burdened by the land other than such burden as nature would have provided. Further, for example, nonconverted wetlands that are so restricted from conversion by regulation that conversion is unlikely, were not determined to benefit from the system.

At the completion of our examination, we did sum up the total benefits for Le Sueur-Rice County JD 54. We found that the total benefits are \$20,554,822.32 and total damages are \$58,995.28 for "A" and \$101,101.83 for "B" (See Exhibit A for tabular report of benefits.) Outlet Benefits were determined for CD 48, CD 22, CD 22 Spur B CD 35, CD 49 Rice County CD 25 & Le Sueur -Rice County JD 18. The benefits are: \$1,159,291.98, \$692,697.51, \$1,109,960.41 \$341,210.05, \$809,860.00, \$1,605,331.62 & \$606,367.26.

We recommend that the Le Sueur & Rice County Drainage Authority hold a final hearing on the report and confirm the benefits and damages for Le Sueur-Rice County JD 54.

Dated this 6<sup>th</sup> day of July, 2020.

*[Signature Page to Follow]*

Respectfully submitted,

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Bryan Murphy

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Shantel Hecht

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Larry Murphy