

Re: Leroy Harnack Petition to use **Redwood County Ditch 28**
 as an outlet for a private drainage system to benefit a portion (SE1/4 Section 23)
 of parcel **61-023-1040** in North Hero Township

In accordance with Minnesota Statute 103E.401, I herewith submit the following report.

Currently, seven acres in the NW1/4 SE1/4 Sec. 23-109N-38W were assessed improvement benefits and an improvement cost for the construction of the open ditch portion of County Ditch 28. This report will determine the additional benefits and outlet charge for the remaining acreage of the SE1/4 of Section 23. Included with this report is an aerial photo using digital elevation modeling to help visualize the relative elevations of the petitioned area. Also, the photo indicates the area previously assessed and two small areas along the north side which drain to the north and will not be assessed.

County Ditch 28 had an open ditch improvement project that was constructed in approximately 1996 at an assessed cost of \$390,208.27 to the landowners. In determining benefits for the petitioned parcel, I made an effort to use a method similar to that used by the appointed viewers in their redetermination and improvement reports which were done in 1995.

The following chart shows the proposed additional benefits for the petitioned parcel.

Petitioned Parcel SE1/4 Section 23	Current Watershed Acres	Added Watershed			Total Additional Maintenance Benefits After Petition
		Acres	Improvement Benefits	Redetermined Benefits	
NW1/4 SE1/4	7	30	\$1,969.92	\$1,313.28	\$3,283.20
NE1/4 SE1/4	0	38	\$6,474.24	\$4,046.40	\$10,520.64
SE1/4 SE1/4	0	37	\$7,256.16	\$4,837.44	\$12,093.60
SW1/4 SE1/4	0	38	\$7,319.60	\$5,123.72	\$12,443.32
Totals	7	143	\$23,019.92	\$15,320.84	\$38,340.76

An outlet charge for the entire petitioned parcel was determined to be \$17,200.00. This amount would have been the added acres share of the original construction cost adjusted for inflation.

This report is respectfully submitted to the Redwood County Drainage Authority by:



William Moldestad

SE 1/4 Section 23

