

RESOLUTION 2006-07

RICE CREEK WATERSHED DISTRICT  
BOARD OF MANAGERS

RESOLUTION ESTABLISHING OFFICIAL PROFILE  
of ANOKA/RAMSEY JUDICIAL DITCH 1,  
MAIN BRANCH and BRANCH 2

Manager Oven offered the following Resolution and moved its adoption, seconded by Manager Stenke:

**WHEREAS** Anoka/Ramsey Judicial Ditch (A/R JD) 1 was established in 1911, and improved by the Rice Creek Watershed District (District) in 1977, but that records for the ditch system do not reflect that the official profile of the system, as constructed and improved, has been formally established;

**WHEREAS** land development and roadwork in the vicinity of the A/R JD 1 system require installation and replacement of culverts within the system and otherwise warrant that the District formally establish the profile of the system or parts thereof;

**WHEREAS** the District Board of Managers accordingly ordered the giving, to benefited landowners and other interested parties, of due notice of a public comment period and public hearing to establish the official profile, and ordered that the District engineer perform appropriate investigations and provide a report to the Board;

**WHEREAS** due notice was provided, and a public hearing was held on April 12, 2006, at which time James Hafner, for the City of Blaine, addressed the Board; and a public comment period was provided for the submission of written comments, which was closed on April 20, 2006, with no further comments submitted;

**WHEREAS** the RCWD engineer submitted a memorandum dated March 17, 2006, containing its profile analysis, and no other written comments were submitted by any interested party;

**WHEREAS** the Board has considered the RCWD engineer's analysis and all public testimony, and finds the recommendation of the RCWD engineer to be well based;

**THEREFORE BE IT RESOLVED** that the Board adopts the historical and technical findings set forth in the March 17, 2006, memorandum of the District engineer, attached hereto, and orders that the official profile of A/R JD 1, Main Branch and Branch 2, be established at the March 15, 2006 profile prepared by the District engineer and attached to the District engineer's memorandum.

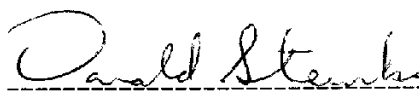
**THEREFORE BE IT FURTHER RESOLVED** that this order merely establishes the official profile of A/R JD 1, Main Branch and Branch 2, and that the Board does not make any findings as to how the system should be managed in light of legal, technical and policy considerations, which matters are not now before it; and

**THEREFORE BE IT FURTHER RESOLVED** that the District administrator shall duly inform benefited landowners and other interested parties of this order.

The question was on the adoption of the Resolution and there were 4 yeas and 0 nays as follows:

	<u>Yea</u>	<u>Nay</u>	<u>Absent</u>
CARDINAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HAAKE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
LEROUX	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OVEN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
STEINKE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Upon vote, the Chair declared the Resolution adopted.



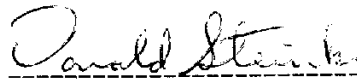
Donald Steinke, Secretary

Dated: April 26, 2006

\* \* \* \* \*

I, Donald Steinke, Secretary of the Rice Creek Watershed District, do hereby certify that I have compared the above resolution with the original thereof as the same appears of record and on file with the District and find the same to be a true and correct transcript thereof.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 26th day of April,  
2006.

A handwritten signature in cursive script, reading "Donald Steinke", written over a horizontal dashed line.

Donald Steinke, Secretary

---

# MEMORANDUM



**To:** Board of Managers  
Rice Creek Watershed District  
**From:** Greg D. Grasko, P.E.  
Jason Naber  
**Subject:** Anoka / Ramsey Judicial Ditch 1 Official Profile  
**Date:** March 17, 2006

---

The purpose of this memo is to summarize District files pertaining to the profile of Anoka / Ramsey Judicial Ditch - 1 (A/R JD1), provide a recommended profile for the Main Branch and Branch 2 and suggest next steps for establishment of official profiles for the remaining branches.

## Background

A/R JD-1 was established in 1911. Substantial land use changes over the past century have resulted in many modifications of the original ditch design. District files do not include any records of modifications to the system from the time of establishment to the time the ditch was transferred to the District in 1974.

Shortly after receiving the ditch from the Judicial Court, the District embarked on an improvement project to A/R JD-1. This improvement was initiated by the Cities of Mounds View and Blaine and summarized in the report entitled "1977 STUDY, JUDICIAL DITCH NO 1, for the City of Blaine." Following that report, the District conducted an improvement project that included excavation and culvert replacements for a major portion of the Main Branch and Branch 2.

From the early 1980's to the present, District files provide a good record of ditch inspections and maintenance activities. The Inspection Report dated July 8, 1994, includes a discussion of and profile drawings indicating an official profile datum conversion of 810.8. This conversion relates current profile elevations of the ditch to the 1911 plans. Very little documentation supporting the datum conversion was found in the District files other than a list of multiple elevation points that related to a set of 1979 orthophotos. The average of those selected points was determined to be 810.8. There is no record of the District adopting this conversion as the official profile for A/R JD1.

## Official Profile Analysis

The closest indication that the District evaluated an official profile for A/R JD-1 was in 1994 when the 810.8 conversion was presented in the Inspection Report. It appears as though multiple spot elevations were taken throughout the Main Branch and Branch 5 to determine an average conversion. Applying an averaged conversion for the entire ditch can be a useful tool to help in an establishment of an official profile but other pertinent information such as documented improvements must also be taken into consideration. The values used in creating this conversion range from 807.4 to 813.2. If the averaged conversion number (810.8) was applied across the entire system, the existing profile and culvert elevations from Lois Drive in Mounds View



upstream to US Highway 10, would be considered  $2\pm$  feet above the original profile. A good portion of the remainder of the existing ditch would be considered below the original profile. If averaging is not used and the actual elevation conversion taken from the vicinity of US Highway 10 is used (813.2), then the existing culverts match very closely to the original profile using this site specific conversion.

There has been at least one official ditch improvement project and a long history of maintenance alternatives since the original construction of the ditch. The only clear record in the District files of an official action by the District is the 1977 Improvement Project. Many of the culverts installed as part of this project still exist today. These include Lois Drive, 89<sup>th</sup> Avenue and the I-35W frontage road crossings of the Main Branch. Branch 2 crossings constructed as part of the 1977 Improvement Project included Naples Street, Flowerfield Road, Arona Avenue and Restwood Road. These culverts were established and the ditch was excavated between them as part of the project. In addition, these culverts have been used as grade control for multiple maintenance projects. These actions legitimize the use of these known points in setting the official profile. In addition to the 1977 Improvement Project culverts, significant crossings at I-35W and Highway 10 were placed prior to 1977 and these crossings were also used to assist in recommending an official profile.

The profile shown on the attached plans utilize structures installed as part of the 1977 Improvement Project to establish the official profile of A/R JD-1. These structures as well as others along the Main Branch and Branch 2 were surveyed using the Survey-Grade GPS. This information was used to set the profile and current alignment of the ditch. The actual site specific conversion numbers (not averaged) used in the 1994 Inspection Report for various reaches along the ditch relate very well to the culverts installed as part of the 1977 Improvement Project.

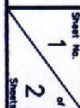
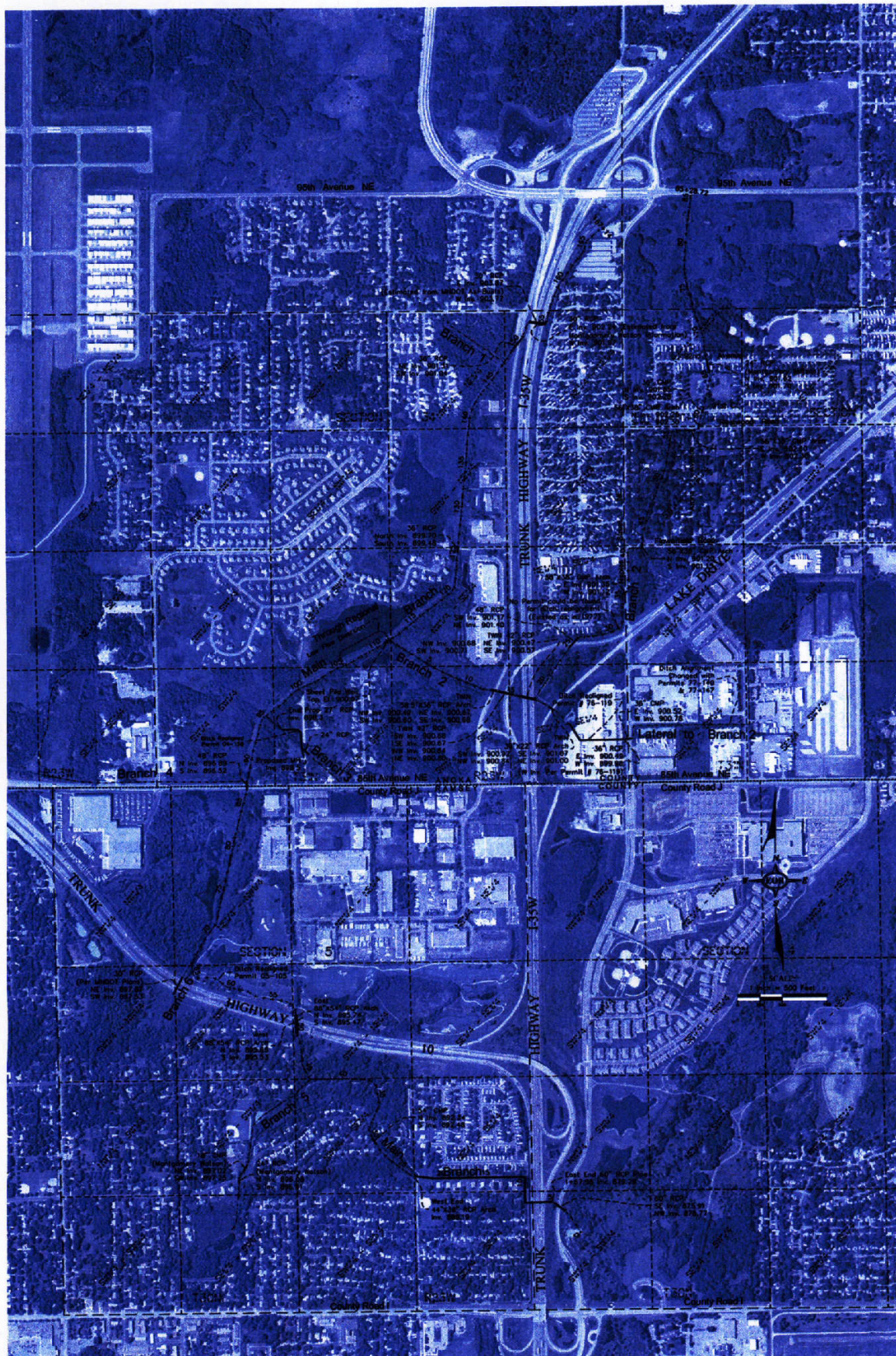
### **Recommendation**

It is recommended that the District adopt the official profile as depicted on the attached plans for the Main Branch and Branch 2 of Anoka / Ramsey Judicial Ditch 1.

The Main Branch and Branch 2 constitute the bulk of the A/R JD-1 system. However, there are several additional braches and laterals. If desired, once the Main Branch and Branch 2 profiles are set, the profiles for the remaining branches could be determined. This effort would require some additional field investigation and survey work to determine existing alignments of piped portions of ditch and to set appropriate profiles.







Official Profile  
Plan View  
For Main Branch  
& Branch 2

Rice Creek  
Watershed District  
Anoka/Ramsey  
Judicial Ditch No. 1



**EDMONS & O'BRIEN RESOURCES**  
651 HALE AVENUE NORTH  
OAKDALE, MN 55128  
PHONE: (651) 770-8448  
FAX: (651) 770-2552  
WEBSITE: www.eorinc.com

Date  
3-15-06  
Designed By  
GOG  
Drawn By  
DLD

I hereby certify that this plan was prepared  
by me or under my direct supervision and  
that I am a duly Licensed Professional  
Engineer under the laws of the State of  
Minnesota.  
Print Name: **Gregory D. Groske**  
Sign Name: *Gregory D. Groske*  
Date: **3/17/06** License No. **45873**

NO.	REVISION DESCRIPTION	DATE BY