White Bear Lake Area Comprehensive Plan Study 9B

Model and Evaluate Raising White Bear Lake Outlet Elevation - Update

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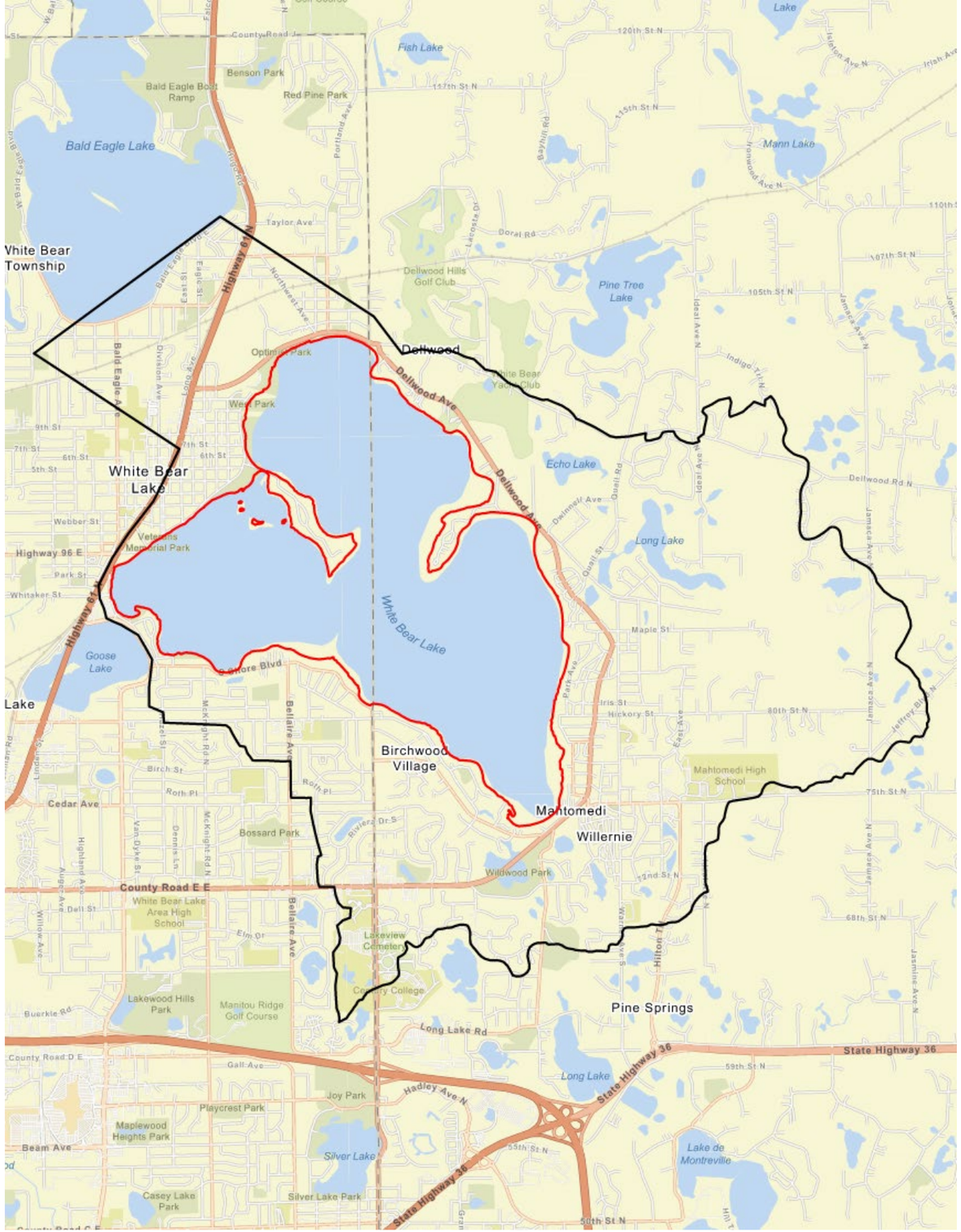
METROPOLITAN COUNCIL

January 15, 2026

Scope of Study

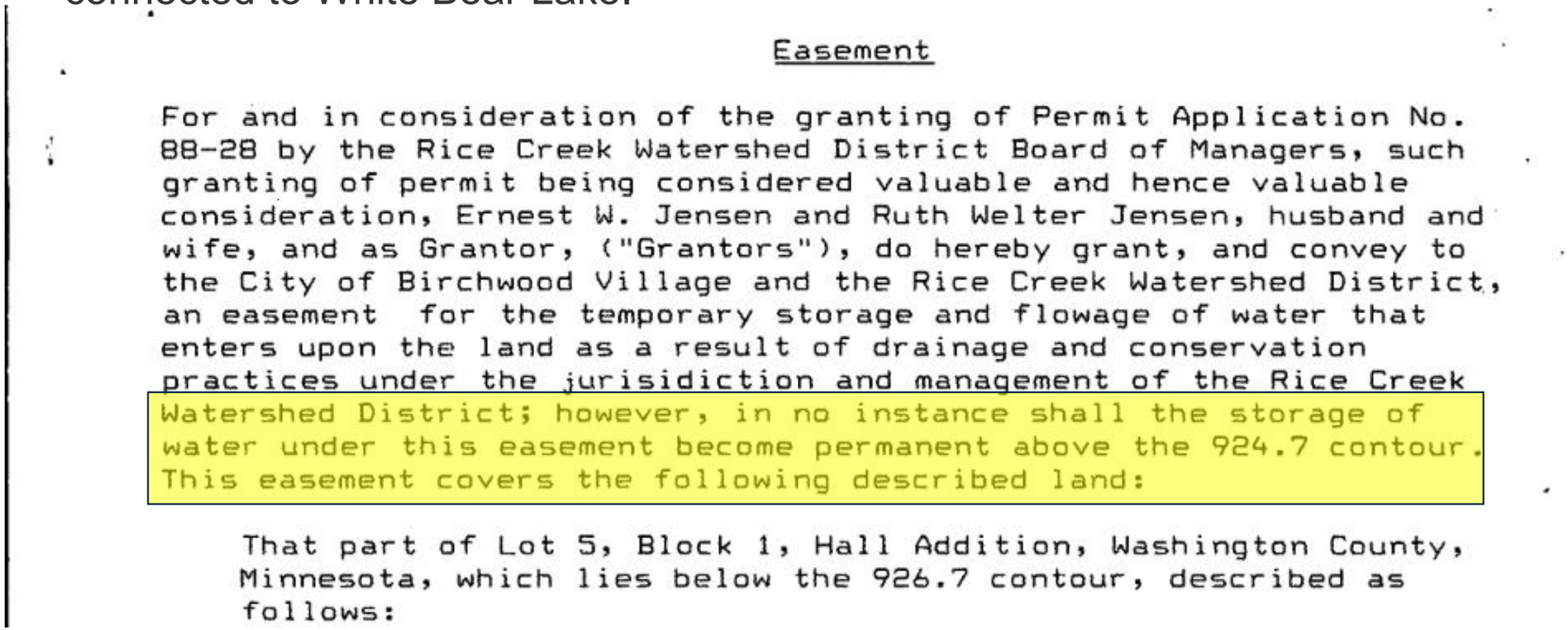
- Data collection and screening-level GIS assessment of high-risk areas, survey lake outlets
- Develop 1D/2D model of White Bear Lake
- Assess risks to infrastructure
- Estimated costs
- Advantages/Disadvantages of Outlet Modification
- Updates following 10/21/25 Meeting



Previous Effort Review

Easements and Lake Elevations

- Multiple easements are in place around the lake with landowners that limit the permanent pooling elevation to elevation 924.7 within Hall's Marsh, which is directly connected to White Bear Lake.



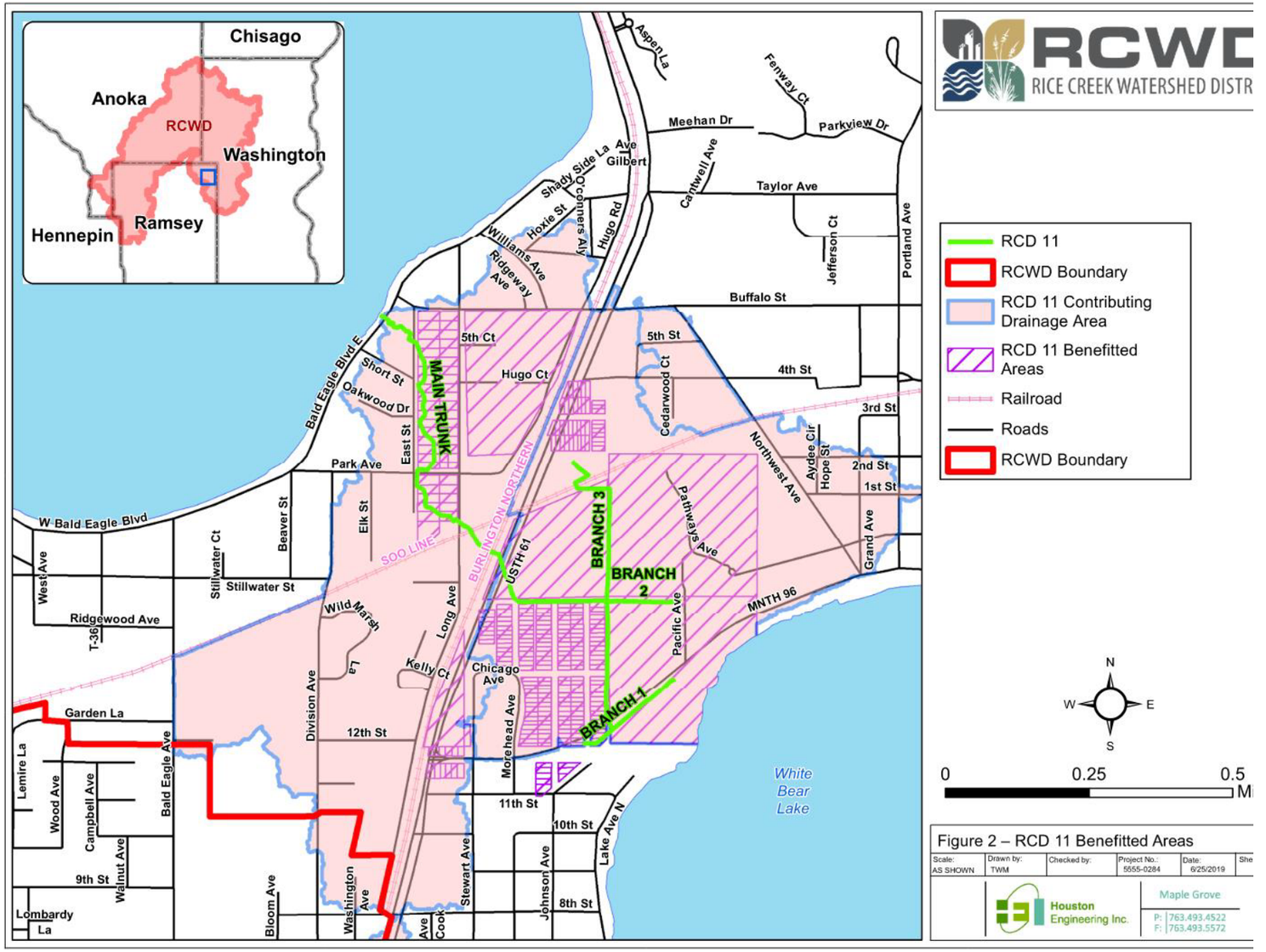
Easement

For and in consideration of the granting of Permit Application No. 88-28 by the Rice Creek Watershed District Board of Managers, such granting of permit being considered valuable and hence valuable consideration, Ernest W. Jensen and Ruth Welter Jensen, husband and wife, and as Grantor, ("Grantors"), do hereby grant, and convey to the City of Birchwood Village and the Rice Creek Watershed District, an easement for the temporary storage and flowage of water that enters upon the land as a result of drainage and conservation practices under the jurisidiction and management of the Rice Creek Watershed District; however, in no instance shall the storage of water under this easement become permanent above the 924.7 contour. This easement covers the following described land:

That part of Lot 5, Block 1, Hall Addition, Washington County, Minnesota, which lies below the 926.7 contour, described as follows:

RCD 11 – Benefitting Landowners

- White Bear Lake and landowners not considered benefitting landowners for ditch
- Must demonstrate no-adverse impact for any changes to the outlet modification (increase discharge rate) to RCD 11



Outlet Alternatives Comparison

	100-YR HWL	
Alternative	**Initial Results**	**Revised Results**
Existing	**925.59**	**925.16**
Raised by 0.5’	**925.60**	**925.63**
Raised by 1.0’	**925.60**	**926.10**
Weir Wall @ 925.4	**925.59**	**926.10**
Weir Wall @ 926.0	**925.60**	**926.67**

Study 9B Conclusions - Recommendations

Due to challenges to increase discharge rate to mitigate for increase in modeled high-water levels of White Bear Lake, it is not recommended to continue to pursue outlet modifications of White Bear Lake at this time.

Questions