

Please note the meeting will be held at the Carver County Government Center on the Wednesday, July 17, 2019



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Lower Minnesota River Watershed District

7:00 PM

Wednesday, July 17, 2019

Carver County Government Center

602 East Fourth Street, Chaska, MN 55318

| Agenda Item | Discussion |
|-----------------------------------|---|
| 1. Call to order | A. Roll Call |
| 2. Approval of agenda | |
| 3. Citizen Forum | <p><i>Citizens may address the Board of Managers about any item not contained on the regular agenda. A maximum of 15 minutes is allowed for the Forum. If the full 15 minutes are not needed for the Forum, the Board will continue with the agenda. The Board will take no official action on items discussed at the Forum, with the exception of referral to staff or a Board Committee for a recommendation to be brought back to the Board for discussion or action at a future meeting.</i></p> |
| 4. Consent Agenda | <p><i>All items listed under the consent agenda are considered to be routine by the Board of Managers and will be enacted by one motion and an affirmative vote of a majority of the members present. There will be no separate discussion of these items unless a Board Member or citizen request, in which event, the items will be removed from the consent agenda and considered as a separate item in its normal sequence on the agenda.</i></p> <p>A. Approve Minutes June 19, 2019 Regular Meetings B. Receive and file June 2019 Financial reports C. Approval of Invoices for payment i. Frenette Legislative Advisors - - May 2019 lobbying services ii. Metro Sales, Inc. - payment for copier maintenance iii. Rinke Noonan Attorneys at Law - April 2019 legal services iv. Braun Intertech Corp. - for February & April 2019 inclinometer readings v. Freshwater Society - Sponsorship of February Road Salt Symposium & 2019 Water Summit vi. Naiad Consulting - April 2019 administrative services & expenses vii. Young Environmental Consulting Group, LLC - May 2019 Technical Services D. 2018 Audit report update E. Receive and File letter from the City of Eagan regarding Draft Rules</p> |
| 5. New Business/ Presentations | A. Burnsville Landfill |

| | |
|-------------------|--|
| 6. Old Business | A. 2020 Proposed Budget B. MN River Congress Request C. Remote meeting participation D. Dredge Management <ul style="list-style-type: none"> i. Funding for dredge material management ii. Vernon Avenue Dredge Material Management site iii. Private Dredge Material Placement E. Watershed Management Plan F. 2019 Legislative Action - no new information since last update G. Education & Outreach - no new information since last update H. LMRWD Projects - See Administrator Report for project updates <i>(only projects that require Board action will appear on the agenda. Informational updates will appear on the Administrator Report)</i> I. Local Water Management Plan Reviews - no new information since last update <ul style="list-style-type: none"> i. City of Shakopee J. Project Reviews - See Administrator Report for project updates <i>(only projects that require Board action will appear on the agenda. Informational updates will appear on the Administrator Report)</i> K. MPCA Soil Reference Values - No new information since last update |
| 7. Communications | A. Administrator Report B. President C. Managers D. Committees E. Legal Counsel F. Engineer |
| 9. Adjourn | Next meeting of the LMRWD Board of Managers is Wednesday, August 21, 2019 |

Upcoming meetings/Events

- Metro MAWD - Tuesday, July 18, 2019, 7:00pm, Capitol Region Watershed District, 595 Aldine Street, St. Paul, MN
- Savage Planning Commission meeting - Tuesday, July 18, 2019, 7:00pm, Savage City Hall, 6000 McColl Drive, Savage, MN
- Upper Mississippi River Waterway Association - Thursday, August 22, 2019, 11:30am, Lilydale Pool & Yacht Club, 1600 Lilydale Road, Lilydale, MN
- Minnesota River Tour - August 28, 2019, depart from CHS terminal in Savage (more details will follow)

For Information Only

- WCA Notices
 - Notice of Application - City of Chanhassen, T.H. 101 (CSAH 14 to CSAH 61)
 - Notice of Decision - Dakota County, Cedar Avenue Water Access Site - parking lot removal and wetland restoration project
- DNR Public Waters Work permits
 - General Permit Authorization - request for comments; I-35W MN River Bridge Replacement
- DNR Water Appropriation permits

- Temporary Water Appropriation for construction dewatering - City of Shakopee to allow for expansion of stormwater pond and 12th Avenue street re-construction

Future Manager Agenda Items list

- Report on I494 - TH 169 to Minnesota River
- Report on TH 101 realignment
- Report on MN State Trail
- Report on Freeway Landfill
- Report on Burnsville Landfill
- Report of water quality testing of Minnesota River from MPCA
- Report on Flying Cloud Landfill
- Record retention policy
- AIS Policy
- Riverbank stabilization policy

Future TAC Agenda Items List

- LMRWD Draft Rules
- LMRWD Vegetation Management Plan
- LMRWD monitoring plan

Item 4.B.
LMRWD 7-17-19

| | | |
|--|---------------------------------------|-------------------------------|
| BEGINNING BALANCE | 31-May-19 | \$ 1,805,685.56 |
| ADD: | | |
| General Fund Revenue: | | |
| Scott County | | <u>\$ 385,029.12</u> |
| Total Revenue and Transfers In | | \$ 385,029.12 |
| DEDUCT: | | |
| Warrants: | | |
| 415936 Frenette Legislative Advisors | May 2019 lobbying services | \$ 1,666.67 |
| 415936 Metro Sales | copier maintenance agreement | \$ 113.21 |
| 415943 Rinke Noonan Attorneys at Law | April 2019 Legal Services | \$ 1,938.00 |
| 416247 Braun Intertech | February & April inclinometer reading | \$ 1,622.80 |
| 416263 Freshwater Society | Sponsorship's for RSS & Water Summit | \$ 1,500.00 |
| 100009334 Naiad Consulting | April 2019 admin service & expenses | \$ 12,703.05 |
| 100009510 Young Environmental Consulting | May 2019 technical services | \$ 42,214.79 |
| Total Warrants/Reductions | | <u><u>\$ 61,758.52</u></u> |
| ENDING BALANCE | 30-Jun-19 | <u><u>\$ 2,128,956.16</u></u> |

| EXPENDITURES | 2019 Budget | June Actual | YTD 2019 | Over (Under) Budget |
|--|------------------------|---------------------|----------------------|--------------------------|
| Administrative expenses | \$ 250,000.00 | \$ 16,159.41 | \$ 85,477.45 | \$ (164,522.55) |
| Cooperative Projects | | | | |
| Eden Prairie Bank Stabilization Area #3 | \$ - | \$ 1,622.80 | \$ 1,622.80 | \$ 1,622.80 |
| Gully Erosion Contingency Fund | \$ - | \$ - | \$ - | \$ - |
| USGS Sediment & Flow Monitoring | \$ 19,700.00 | \$ - | \$ 9,894.00 | \$ (9,806.00) |
| Ravine Stabilization at Seminary Fen in Chaska | \$ - | \$ - | \$ - | \$ - |
| 509 Plan Budget | | | | |
| <i>Resource Plan Implementation</i> | | | | |
| TH 101 Shakopee Ravine | \$ - | \$ 237.72 | \$ 237.72 | \$ 237.72 |
| Assumption Creek Hydrology Restoration | \$ 30,000.00 | \$ - | \$ - | \$ (30,000.00) |
| Carver Creek Restoration | \$ 80,000.00 | \$ - | \$ - | \$ (80,000.00) |
| Groundwater Screening Tool Model | \$ 50,000.00 | \$ - | \$ - | \$ (50,000.00) |
| Eagle Creek (East Branch) Project | \$ 10,000.00 | \$ - | \$ - | \$ (10,000.00) |
| Minnesota River Floodplain Model Feasibility Study | \$ 30,000.00 | \$ - | \$ - | \$ (30,000.00) |
| Schroeder Acres Park Stormwater Mgmt Project | \$ 39,555.00 | \$ - | \$ - | \$ (39,555.00) |
| PLOC Realignment/Wetland Restoration | \$ 71,727.00 | \$ - | \$ - | \$ (71,727.00) |
| Spring Creek Project | \$ 45,000.00 | \$ - | \$ - | \$ (45,000.00) |
| West Chaska Creek | \$ 50,000.00 | \$ - | \$ - | \$ (50,000.00) |
| Sustainable Lakes Management Plan (Trout Lakes) | \$ 50,000.00 | \$ - | \$ - | \$ (50,000.00) |
| Geomorphic Assessments (Trout Streams) | \$ - | \$ 19,817.25 | \$ 26,742.06 | \$ 26,742.06 |
| Paleolimnology Study (Floodplain Lakes) | \$ - | \$ - | \$ - | \$ - |
| Fen Stewardship Program | \$ 25,000.00 | \$ 5,654.50 | \$ 5,654.50 | \$ (19,345.50) |
| District Boundary Modification | \$ - | \$ - | \$ - | \$ - |
| East Chaska Creek Bank Stabilization Project | \$ 50,000.00 | \$ 5,134.42 | \$ 13,012.63 | \$ (36,987.37) |
| East Chaska Creek Treatment Wetland Project | \$ 50,000.00 | \$ - | \$ - | \$ (50,000.00) |
| Minnesota River Sediment Reduction Strategy | \$ 25,000.00 | \$ - | \$ - | \$ (25,000.00) |
| Seminary Fen - gap analysis | \$ - | \$ - | \$ - | \$ - |
| Data Assessments and Program Review | \$ - | \$ - | \$ - | \$ - |
| Dakota County groundwater modelling | \$ - | \$ - | \$ - | \$ - |
| Riley Creek Cooperative Project | \$ - | \$ - | \$ - | \$ - |
| Local Water Management Plan reviews | \$ 12,000.00 | \$ - | \$ 6,198.65 | \$ (5,801.35) |
| Project Reviews | \$ 20,000.00 | \$ 3,264.00 | \$ 19,005.60 | \$ (994.40) |
| <i>Monitoring</i> | \$ 65,000.00 | \$ - | \$ 10,950.63 | \$ (54,049.37) |
| <i>Monitoring Data Analysis</i> | | | | |
| <i>Technical Assistance</i> | | | | |
| <i>Watershed Management Plan</i> | | | | |
| Rule Drafting | \$ 25,000.00 | \$ 2,594.35 | \$ 19,255.17 | \$ (5,744.83) |
| Plan Amendment | \$ - | \$ - | \$ - | \$ - |
| Vegetation Management Standard/Plan | \$ 50,000.00 | \$ - | \$ 6,212.35 | \$ (43,787.65) |
| <i>Public Education/CAC/Outreach Program</i> | \$ 30,000.00 | \$ 1,726.90 | \$ 4,533.55 | \$ (25,466.45) |
| <i>Cost Share Program</i> | \$ 20,000.00 | \$ - | \$ - | \$ (20,000.00) |
| | | | | \$ - |
| Nine Foot Channel | | | | \$ - |
| Transfer from General Fund | \$ 80,000.00 | \$ - | \$ - | \$ (80,000.00) |
| Dredge Site Improvements | \$ 240,000.00 | \$ 5,547.17 | \$ 143,166.54 | \$ (96,833.46) |
| Total: | \$ 1,417,982.00 | \$ 61,758.52 | \$ 351,963.65 | \$ (1,066,018.35) |



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday July 17, 2019

Agenda Item

Item 4. D. - 2018 Audit Report Update

Prepared By

Linda Loomis, Administrator

Summary

According to [MN Statutes 103D.355](#) Watershed Districts, are required to prepare financial audits. [MN Statute 6.756](#) requires that audits must be completed, presented to the district's governing board, and filed with the state auditor within 180 days after the end of the district's fiscal year. The 2018 audit of the LMRWD books and accounts is complete, however the auditor does not want to issue the final report until the denial of payment of the final portion of Seminary Fen grant is resolved.

The office of the State Auditor has granted an extension for filing the audit report with them until August 15, 2019. BWSR has also been notified and granted an extension. BWSR has been notified of the extension granted by the State Auditor.

LMRWD staff has been in touch with Redpath and Company to discuss possible options moving forward.

Attachments

Letter to BWSR Board requesting reconsideration of denial of payment of fianl portion of 2013 Seminary Fen grant.

Recommended Action

No action recommended



LOWER MINNESOTA RIVER
WATERSHED DISTRICT

Carver

Vacant

Dakota

Vacant

Hennepin

David Raby
Secretary/Treasurer

Adam Frey
Vice President

Scott

Jesse Hartmann
President

July 9, 2019

Minnesota Board of Water and Soil Resources
520 Lafayette Road North
St. Paul, MN 55155

Dear BWSR Board;

The Board of Managers of the Lower Minnesota River Watershed is writing to you because the District was recently informed of a decision by BWSR to not fund the second half of a 2013 grant to the LMRWD to stabilize a ravine that, over the years, has contributed large amounts of sediment to the Seminary Fen wetland complex. We are writing you today to let you know of our extreme disappointment at this decision.

The District was told the reason for the decision was due to the length of time it took the LMRWD and its partner, the City of Chaska, to complete the project and get final reporting completed through BWSR's elink reporting. While the District agrees that reporting was outside the time frames of the grant agreement, LMRWD staff was in touch with its BWSR representatives. The reasons for the delay are many and varied; changes in staff at the LMRWD after the grant was awarded, unexpected cost increases, the need to secure additional funding, weather, lack of understanding of requirements for elink reporting and miscommunication between the project partners and BWSR staff. It was not just lack of attention to completing the reporting.

The LMRWD partnered with the City of Chaska, who was responsible for the actual construction of the project. Agreements between the LMRWD and the City agreed to split the cost of the project that was not covered by the grant. Because of the decision by BWSR, \$110,400 was not funded. That is a sizable amount of money; almost 5% of the LMRWD's annual budget (and over 15% of the LMRWD's annual levy).

The Board of Managers of the Lower Minnesota River Watershed District respectfully requests reconsideration of this decision and would be happy to meet with you to discuss the District's request.

Sincerely

Jesse Hartmann
President
Lower Minnesota River Watershed District

c: Matt Clark, Chaska City Engineer
Matt Podhradsky, Chaska City Administrator

Linda Loomis, Administrator
Home/Office: (763) 545-4659
Cell: (763) 568-9522

112 East 5th Street
Suite 102
Chaska, MN 55318

E-mail: lowermnriverwd.org



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday July 17, 2019

Agenda Item

Item 4. E. - Receive and file letter from the City of Eagan regarding Draft Rules

Prepared By

Linda Loomis, Administrator

Summary

The LMRWD received the attached letter from the City of Eagan regarding the Draft Rule.. The Board should receive and file the letter

Attachments

Letter from the City of Eagan dated Jul 3, 2019

Recommended Action

Motion to receive and file letter from the City of Eagan



July 3, 2019

Linda Loomis
Administrator, Lower Minnesota River Watershed District
Naiad Consulting, LLC
6677 Olson Memorial Highway
Golden Valley, MN 55427

Re: Lower Minnesota River Watershed District Draft Rules

Dear Linda,

In late April, the Lower Minnesota River Watershed District (LMRWD) first notified cities it had developed draft rules. These regulations would give the LMRWD authority to obtain municipal compliance with its watershed management plan, to provide a mechanism to verify compliance of local ordinances with LMRWD standards, and to provide for compliance audits.

Two weeks later, the LMRWD met with city representatives to present and discuss the draft rules and to convey plans for a formal public review through the Board of Water and Soil Resources (BWSR) at the end of July/early August. City of Eagan staff was unable to attend this meeting.

Then, the LMRWD requested review and comments on the draft rules, first within a week (by June 7) and then by June 28, after several cities requested more time to understand fully the potential impacts of the draft rules.

Concerns, questions, and uncertainties remained about the draft rules' potential impacts after several conversations among cities. Representatives wanted more time to review and discuss the draft rules within their communities.

Last evening, the Eagan City Council unanimously approved a request for a 90-day extension to review and understand fully the potential impacts of the draft rules.

Sincerely,

Russ Matthys, P.E.
Public Works Director

Cc: Jill Hutmacher, Community Development Director
Eric Macbeth, Water Resources Manager
Steve Christopher, BWSR
Della Young, Young Environmental Consult. Group, LLC
John Kolb, Rinke Noonan



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday July 17, 2019

Agenda Item

Item 5. A. - Burnsville Landfills

Prepared By

Linda Loomis, Administrator

Summary

There are two landfills in the City of Burnsville within the LMRWD. Burnsville Sanitary Landfill is proposing an expansion of its site and the MPCA is preparing a Supplemental Environmental Impact Statement and held a public information meeting on July 10th. The notice the LMRWD received from the MPCA is attached.

The second landfill is the Freeway Landfill, which is a super fund site. The MPCA has been developing plans to clean up the site; however it appears that the process has stalled. Lisa Frenette, lobbyist for the LMRWD thinks it might get things moving again, if the LMRWD would prepare a letter urging the MPCA to move forward with the State's powers of eminent domain to get the clean -up process moving forward.

Attachments

Notice from MPCA dated June 20, 2019 RE: Burnsville Sanitary Landfill Expansion Project 2019 Supplemental Environmental Impact Statement

Recommended Action

Motion to authorize legal counsel to prepare and send letter to MPCA

June 20, 2019

TO INTERESTED PARTIES

RE: Burnsville Sanitary Landfill Expansion Project 2019
Supplemental Environmental Impact Statement

An Environmental Impact Statement (EIS) for the Burnsville Sanitary Landfill (BSL) was prepared in 2005 by the Minnesota Pollution Control Agency (MPCA) pursuant to Minn. R. 4400 subp. C *for expansion by 25 percent or more of previous capacity of a mixed municipal solid waste disposal facility for 100,000 cubic yards or more of waste fill per year*. The final EIS was published in July 2005 and a final determination of adequacy was made in August 2005.

A Supplemental Environmental Impact Statement (SEIS) to the 2005 EIS is being prepared by the MPCA on a proposal by Burnsville Sanitary Landfill, Inc. to expand its currently-permitted 25.4 million cubic yard capacity to an ultimate capacity of approximately 47 million cubic yards.

Current-permitted capacity of the BSL includes 18.7 million cubic yards of mixed municipal solid waste (MMSW), 2.6 million cubic yards of construction/demolition debris, and 4.1 million cubic yards of industrial waste (Landfill). The proposed expansion will provide approximately 26 million cubic yards of new MMSW disposal capacity by creating 22 million cubic yards of new airspace and converting the permitted 4.1 million cubic yard industrial waste capacity to MMSW (Project).

Burnsville Sanitary Landfill, Inc. will reconfigure and reduce its currently-permitted but undeveloped footprint by reducing the acreage of the North Development Area footprint and adding new Annex Area footprint. This will reduce the acreage of the footprint from 216 acres to approximately 204 acres. Burnsville Sanitary Landfill, Inc. will increase the finished height of the facility from currently-permitted 821.5 peak elevation to proposed 1,082 peak elevation, an approximate 260-foot vertical expansion.

Enclosed is the Draft Scoping Document (DSD) for the proposed BSL Expansion Project 2019, located in the city of Burnsville, Dakota County, Minnesota. The DSD was prepared by the MPCA and are being distributed for a 30-day review and comment period pursuant to the Environmental Quality Board (EQB) rules. The comment period on this scoping document is open from June 24 until 4:30 p.m. on July 24, 2019.

The MPCA is holding a public meeting to gather suggestions on the scope of the Burnsville Sanitary Landfill SEIS on Wednesday, July 10th from 7 to 9:00 p.m. at the Burnsville City Hall, Dakota Community Rooms, located at 100 Civic Center Parkway. There will also be an open house, prior to the formal meeting, from 6:30 to 7 p.m. to give the public an opportunity to talk one-on-one with MPCA staff. The formal public meeting will begin at 7 p.m. with a brief presentation by Burnsville Sanitary Landfill that will explain the changes that are being proposed at the landfill. This will be followed by a short presentation from MPCA staff that will explain the process by which the SEIS will be created, and other points at which the public will be able to comment on the proposal. Time will be reserved questions and answers as well as more open house time after the formal presentation.

June 20, 2019

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Comments received on the DSD will be used by the MPCA in preparing a Final Scoping Document for the SEIS that will be prepared for the Project.

Minn. R. 4410.3000 provides that a SEIS scoping process be implemented for any SEIS. The scope of a supplement to a SEIS must be limited to impacts, alternatives, and mitigation measures not addressed or inadequately addressed in the 2005 final EIS. The MPCA, as the Responsible Governmental Unit, shall adopt a scope for the supplement as part of the preparation notice.

If you have any questions on the Draft Scoping Document, please contact Kevin Kain at 651-757-2482 or kevin.kain@state.mn.us.

Sincerely,



Dan R. Card, P.E.
Supervisor, Environmental Review Unit
Resource Management and Assistance Division
St. Paul Office

DRC:bt

DRAFT

STATE OF MINNESOTA MINNESOTA POLLUTION CONTROL AGENCY

DRAFT SCOPING DECISION DOCUMENT BURNSVILLE SANITARY LANDFILL EXPANSION PROJECT 2019 SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT

INTRODUCTION

A Supplemental Environmental Impact Statement (SEIS) is being prepared by the Minnesota Pollution Control Agency (MPCA) on a recent proposal by Burnsville Sanitary Landfill, Inc. (BSL) to expand its currently-permitted 25.4 million cubic yard capacity to an ultimate capacity of approximately 47 million cubic yards.

Current-permitted capacity includes 18.7 million cubic yards of mixed municipal solid waste (MMSW), 2.6 million cubic yards of construction/demolition debris, and 4.1 million cubic yards of industrial solid waste. The proposed expansion will provide approximately 26 million cubic yards of additional MMSW disposal capacity by creating 22 million cubic yards of new airspace and converting the permitted 4.1 million cubic yard industrial solid waste capacity to MMSW (Project).

BSL will reconfigure and reduce its currently-permitted but undeveloped footprint by reducing the acreage of the North Development Area footprint and adding new Annex Area footprint. This will reduce the acreage of the overall footprint from 216 acres to approximately 204 acres. BSL will increase the finished height of the facility from currently-permitted 821.5 foot peak elevation to proposed 1,082 peak elevation, an approximate 260-foot vertical expansion.

BSL will obtain the majority of waste from Hennepin, Dakota, and Scott Counties. The proposed expanded landfill is projected to operate for an additional 41 years to 2061. In 2062, the proposed landfill will be filled to capacity. The annual waste quantities forecast by the BSL for land disposal range from 460,900 tons in 2020 to 693,079 tons in 2061. If moderate progress is made in reaching the Minnesota State Legislature's 75% recycling goals, then the MPCA forecasts that the proposed landfill may have a useful life of up to 80 years.

PREVIOUS ENVIRONMENTAL REVIEW

The Metropolitan Council prepared an Environmental Impact Statement (EIS) for the BSL in 1991. The final EIS was published in January 1992 and a final determination of adequacy was made in February 1992.

The MPCA prepared and EIS for the BSL in 2005 pursuant to Minn. R. 4400 subp. C *for expansion by 25 percent or more of previous capacity of a mixed municipal solid waste disposal facility for 100,000 cubic yards or more of waste fill per year*. The MPCA published the final EIS published in July 2005 and a final determination of adequacy was made in August 2005.

PROPOSED ENVIRONMENTAL REVIEW

The Project, as proposed, is subject to environmental review pursuant to Minn. R. 4400 subp. C *for expansion by 25 percent or more of previous capacity of a mixed municipal solid waste disposal facility for 100,000 cubic yards or more of waste fill per year*.

The MPCA, as the designated Responsible Governmental Unit (RGU) for environmental review for the proposed Project, has determined the Project will require an SEIS and is a phased action pursuant to Minn. R. 4410.3000 subp. 3(C) *whenever an EIS has been prepared for one or more phases of a phased action or one or more components of a connected action and a later phase or another component is proposed for approval or implementation that was not evaluated in the initial EIS* and will prepare a supplemental environmental impact statement.

SCHEDULE

A tentative schedule for development and review of a draft and final SEIS for the Project is provided below. The schedule is contingent upon the anticipated dates for the Scoping Document and Preparation Notice Publication.

Tentative SEIS Schedule

Burnsville Sanitary Landfill Expansion Project 2019

| | |
|---------------|-----------------------------|
| August 2019 | MPCA Approval of SEIS Scope |
| August 2019 | Notice of EIS Preparation |
| November 2019 | Distribution of Draft EIS |
| January 2020 | Determination of Adequacy |

RECORD OF DECISION

Among the objectives for Minnesota’s environmental review process are the provision of useable information about the primary environmental effects of a proposed project and the encouragement of accountability in public and private decision making. The Scoping Decision Document identifies the permit/approval decisions for which a Record of Decision, which identifies how the SEIS was considered in reaching state and local permitting decisions, must be maintained.

For the Project SEIS, a Record of Decision shall be maintained for the following governmental approvals:

Record of Decision Required

| Agency | Decision |
|--------------------|------------------------------|
| MPCA | Certificate of Need |
| MPCA | Metro Plan Review |
| MPCA | Compliance with Permit - APO |
| MPCA | Solid Waste Facility Permit |
| MPCA | Air Quality Permit |
| MPCA | Stormwater Permits |
| Dakota County | Solid Waste License |
| City of Burnsville | Planned Urban Development |

COVER SHEET

The cover sheet will include; the name of the Responsible Governmental Unit (RGU); the title of the Project and location; name, address, and telephone number of the contact person of the RGU and of the proposer’s representative; a designation of the statement as a draft, final, or supplement; a one paragraph abstract of the SEIS; and the date of the public meeting on the draft SEIS and the date following the meeting by which comments on the draft SEIS must be received by the RGU.

SUMMARY

The summary shall stress the major findings, areas of controversy, and issues to be resolved.

The summary will include a project description, environmental and mitigative measures; alternatives; a list of governmental approvals; and economic impacts. Direct, indirect, and adverse or beneficial impacts are to be identified.

LIST OF PREPARERS

The SEIS will contain a list that includes the names and qualifications of the persons who were primarily responsible for preparing the SEIS or significant background papers.

PROJECT DESCRIPTION

Environmental Quality Board (EQB) rules explicitly direct that a proposed project be described only in sufficient detail to identify its purpose, size, scope, environmental setting, location, and anticipated phases of development.

LIST OF GOVERNMENT APPROVALS

The SEIS will list the known governmental permits and/or approvals required for the Project, along with the unit of government responsible for each decision.

While the SEIS will provide a variety of information useful for permitting and approval decisions, it is not intended to provide all data and information required for these actions. Required permit applications and information for the Project will be developed and submitted independent of the SEIS.

The SEIS will establish the number of tons of waste that will be disposed in the proposed 26 million cubic yard BSL expansion.

The SEIS will contain an up-to-date composition analysis of the waste streams (MMSW, Construction & Demolition (C&D), and Industrial Solid Waste) managed by the BSL.

ENVIRONMENTAL IMPACTS

Groundwater Impacts:

The SEIS will include a discussion of the groundwater regulations applicable to the Project.

The SEIS will review current and proposed groundwater quality standards as they relate to solid waste disposal facilities.

The SEIS will identify the base grade elevation of the unlined landfill area at the BSL. The base grade elevation will be compared to the expected groundwater elevation under the unlined landfill if the Kramer Quarry stops pumping and potential impacts will be identified and mitigation options discussed.

Analysis of groundwater impacts will be based on a geotechnical analysis utilizing data collected previously in hydrogeologic investigations conducted by Waste Management, Dakota County, the city of Burnsville, and the MPCA of the existing BSL and proposed Project unless noted differently. This groundwater impact analysis will be used to evaluate the following five items:

1. A description of the soils and geologic conditions at the BSL and Project location.
2. Quality and quantity of groundwater in the vicinity of the Project.
3. Existing groundwater monitoring plan for the BSL based on the 2005 EIS and, conceptually, the groundwater monitoring plan for the Project.

4. Predict future groundwater levels and flow direction under the BSL (using existing and updated information such as the 2005 EIS, existing modeling reports, etc.) For example, analyze effects of changing groundwater pumping at the Kramer Quarry and from other nearby high capacity wells (within a two-mile radius), possible flooding, groundwater recharge deficits or surplus, or other factors.
5. The base grade elevation of the unlined landfill area at the BSL. The base grade elevation will be compared to the expected groundwater elevation under the unlined landfill if the Kramer Quarry stops continuous groundwater pumping. Potential impacts will be identified and mitigation options discussed.

Liner and Leachate Collection

1. The SEIS will evaluate the liner and leachate collection system for the Project and how it will perform under normal flow conditions and during a 100-year flood event of the Minnesota River.
2. Existing geotechnical data shall be utilized to determine flow conditions at the water table during normal flow of the Minnesota River. Additionally, the potential for a hydrostatic head to develop on the proposed liner shall be determined for the 100-year flood event of the Minnesota River.
3. Utilizing current geotechnical data and groundwater modeling results, the SEIS will analyze the potential impacts should a major failure of the liner system occur for the Project at complete buildout.

Surface Water Impacts

The SEIS will compare the pre-expansion surface water discharge rates to the post Project surface water discharge rates for 2 year, 10 year and 100 year storm events. The complete buildout for the BSL expansion that was reviewed in the 2005 EIS will be considered pre-expansion. Post Project is the Project at complete proposed buildout. The SEIS will identify potential impacts and suggested measures to mitigate those impacts.

Visual Impacts

The SEIS will illustrate potential visual impacts of the Project using renderings from eight specific key locations with images of the BSL at complete buildout based on 2004/2005 EIS elevation and the superimposed complete buildout elevation from the proposed Project. Sites with the greatest sensitivity to visual impacts were selected as part of the study, as identified in Attachment 1.

Air Quality Impacts

Air quality impacts from the Project will be analyzed using data available from the BSL and from monitoring studies at other landfills in the state.

The impacts associated with landfill gas emissions (methane and volatile organic compounds) during BSL operations and post closure will be evaluated using U.S. Environmental Protection Agency's (EPA) Landfill Air Emissions Estimation Model (developed under EPA contract EPA-600/8-90-85a). The emissions will include those associated with the landfill gas, the electrical generating units, and landfill gas not captured by the BSL gas collection system. Results of the modeling will be compared to Ambient Air Quality Standards or Health Benchmarks. This information will be used to evaluate the following six scenarios.

1. An estimate of the volume of landfill gas currently being generated at the BSL.
2. An estimate of the volume of landfill gas that is currently being captured at the BSL.
3. An estimate of the percentage of the captured landfill gas that is flared, utilized in other ways, or discharged to the atmosphere at the BSL.
4. An estimate of the volume of landfill gas that is expected to be generated by the Project at the BSL.

5. An estimate of the percentage of landfill gas that is expected to be captured by the BSL gas collection system for the Project.
6. An estimate of the percentage of the captured landfill gas that will be flared, utilized in some other method, and allowed to escape to the atmosphere at the BSL for the Project.

The SEIS will evaluate all direct, indirect, and cumulative ambient air impacts at the BSL consistent with the MPCA Air Quality Modeling Practices Manual for the Project.

The SEIS will contain a discussion of the ability of the BSL to meet applicable MPCA air quality regulations for the Project.

The applicability of federal New Source Performance Standards for new or modified MMSW landfills will be assessed at the BSL for the Project at complete buildout, including an analysis of implementation measures to meet the standards, if they apply.

The SEIS will contain an evaluation of the mitigation options for controlling air emissions at the BSL for the Project.

The SEIS will include a qualitative summary of expected greenhouse gas production from the Project.

ALTERNATIVES

The alternative section will include a succinct discussion of any direct or indirect, adverse or beneficial effect generated as a result of the selection of the "No Build" alternative.

The alternative section will outline the economic and sociological impacts on the proposed Landfill if the legislative goals to recycle 75% of the waste stream generated in the metropolitan area are achieved and if the landfill complies with the legislative restriction on the disposal of unprocessed MMSW generated in the metropolitan area.

Alternative Size

The SEIS will evaluate a smaller landfill with lower height and capacity.

The SEIS will examine the results of preprocessing waste to remove material banned from MMSW and to recover recyclable materials. The SEIS will estimate the remaining waste to be landfilled and the resulting size and height of the landfill after 41 years of operation.

The analysis of a smaller landfill will also examine technology to achieve significantly greater level of compaction so that the same tonnage of MMSW and other waste might be landfilled to occupy less space.

The SEIS will include a succinct discussion of direct, indirect or cumulative potential significant adverse and beneficial effects of a smaller landfill, the measures to achieve a smaller landfill, and smaller annual waste flows owing to the measures above.

No Build Alternative

The SEIS will compare the Project to the environmental, economic, employment and sociological impacts of the "No Build" alternative.

The SEIS will specifically describe the following in any and all reasonable combinations to achieve a no-build analysis:

1. Include all facilities that dispose of MMSW or Industrial Waste or C&D waste including Dem-Con landfills, Advanced Disposal landfills, Waste Management, Inc. landfills (including Spruce Ridge, Elk River, Dickenson County and Central Disposal), BFI landfills, the East Central Solid Waste Commission landfill, the Morrison County landfill, the Rice County landfill, and the Ponderosa landfill.
2. Include all facilities that are permitted to accept MMSW or industrial waste or C&D and process waste for materials recovery including Hennepin Energy Recovery Center, Recycling Energy Center, the city of Red Wing, Atomic Recycling, SKB Environmental, Inc., and any other materials recovery facilities.

The SEIS will assess the consequences of a no action or “no build” decision for the Project. This analysis will include an inventory of permitted solid waste management facilities that are permitted to accept MMSW, industrial waste, and C&D waste in Minnesota, Wisconsin, and Iowa. The analysis will make an assessment of how one or several facilities could manage the waste materials forecast for disposal at the BSL. The following types of facilities will be inventoried:

- MMSW processing and/or landfills
- C&D and/or industrial waste processing and/or landfills
- Refuse-derived fuel
- Mass burn facilities
- Transfer stations

The following information will be provided for each identified facility:

- Calculation of residuals resulting from processing that require land disposal
- Distance to/from the proposed project site
- Distance to/from the proposed project site from the waste origin if transfer station is currently used (for example the Scott County MMSW transferred through Dem-Con)
- Permitted and unused MMSW, industrial waste, and C&D processing and/or disposal capacity
- Inventory of material and energy recovery resulting from waste processing in 2018
- Overall landfill abatement resulting from processing
- The potential for the facility to accept additional waste
- Expansion plans for each facility within the next 10 years (if available)
- Current processing and/or landfill rates
- Name of current owner
- Current tipping fees

ECONOMIC IMPACTS

- The SEIS will assess impacts on cost to the users of the facility including general public resulting in waste going to other locations.
- The SEIS will also assess effects on regional and county solid waste system costs.
- Finally, the SEIS will assess the economic effects to the city of Burnsville and Dakota County and other public and private entities forecast to use the BSL resulting from the “No Build” Alternative and compare it with construction of the Project.

SOCIOLOGICAL IMPACTS

Inventories will be completed of nearby existing and planned recreational resources. Potential impacts resulting from the expansion will be described.

MITIGATION MEASURES

For those instances where the impact analyses have identified the potential for adverse effects, the SEIS will identify reasonably available measures that could lessen or eliminate the adverse effects. The types of measures that may result in significant mitigation of impacts range from facility-specific modifications in design and/or operation or broader policy-based action at all governmental levels.

APPENDICES

Appendices may be included in the SEIS, when applicable: a) material prepared in connection with the SEIS, as distinct from material which is so prepared and which is incorporated by reference; b) material that substantiates any analysis fundamental to the SEIS; and c) permit information that was developed and gathered concurrently with the preparation of the SEIS.

MATERIAL INCORPORATED BY REFERENCE

Materials may be incorporated by reference to reduce the bulk of the SEIS. Such materials will be cited in the SEIS, and its content will be briefly described. Generally, these materials will not be distributed for public review, but will be available for inspection at the MPCA office in St. Paul.

Each of these major topical areas – a) alternatives, b) groundwater impacts, and c) air quality – will be the subject of a technical report separate from the SEIS. Discussion within the SEIS on each of these primary impact areas will be based on the analyses and findings of the reports, but will likely omit much of the technical aspects of the more focused studies. These reports will be incorporated by references as part of the SEIS. The reports will be available for inspection at the MPCA office in St. Paul and libraries on the EQB distribution list, in accordance with the requirements of the rules.





LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday July 17, 2019

Agenda Item

Item 6. A - 2020 Proposed Budget

Prepared By

Linda Loomis, Administrator

Summary

The proposed budget is attached for review by the Board. An explanation of individual line items is also attached.

Additionally, when the LMRWD received the 1st half remittance from Scott County the amount remitted to the LMRWD seemed excessively high. Upon further investigation, it was discovered that when the levy was certified in 2018 for taxes payable in 2019, the entire levy (\$725,000) for the District was certified in Scott County (other counties were certified appropriately). The County has been notified of the error and legal counsel for the LMRWD was consulted. The recommendation of legal counsel was to determine how to equalize the over-collection.

Staff has been in touch with the auditor for the LMRWD and financial service provider Carver County. The Auditor recommends that the amount over and above the apportionment from Scott County be segregated and tracked as a committed fund balance until it is equalized. She has recommended that the LMRWD proceed with the 2020 budget as it normally would, however when certifying the levy for Scott County deduct the amount over paid in 2019 from the 2020 certification.

Carver County has agreed to review future certifications of levy to the Counties before they are submitted, so someone is checking the documents before they are submitted. This should prevent an error like this from occurring again. We are also working with Carver County and Auditor to make sure the amount that was over collected is reserved until the amount has been equalized. A conference call has been scheduled for Monday afternoon (July 15) between the LMRWD, Carver County and Redpath and Company.

Staff is recommending that the Board revisit the allocation of administrative costs across the different programs the District has. Currently, expenses are allocated across the different programs of the District as follows:

- Administration 29%
- Cooperative Project 10%
- 509 Plan 41%
- 9' Foot Channel 20%

Staff recommends changing the allocation for the 509 Plan to 46% and the Channel to 15%. Historically, the LMRWD did not allocate as much money and time to resource management as it does now. More of the focus was the channel. This has changed substantially in the past few years and staff thinks the change in the allocation is warranted. The Board does

Item 6. A. - Project Reviews

Executive Summary

January 7, 2019

Page 2

not need to take action at this time, but such a change can be included in the resolution that is adopted when the preliminary budget is approved and the levy is certified.

Attachments

2020 draft proposed budget

2020 proposed budget explanation

Table 4.1 Lower Minnesota River Watershed District - Implementation Program Budget for 2018-2027

Notice of Net Tax Capacities to Use to Apportion Payable 2020 Property Tax Levies.

Recommended Action

Call for public hearing August to certify tax levy payable 2020 and approve preliminary 2020 budget

2020 Proposed Total Budget
2018 Adopted Budget/Actuals - 2019 Adopted Budget/YTD/Projected - 2020 Proposed

| Account | 2018 Adopted | 2018 Actual | 2019 Adopted | 2019 YTD | Projected 2019 | Proposed 2020 |
|---|------------------------|-----------------------|------------------------|----------------------|----------------------|------------------------|
| Revenues: | | | | | | |
| 1 General Property Tax | | | | | | |
| 2 Carver County | \$ 42,113.07 | \$ 42,092.18 | \$ 48,442.33 | \$ 26,188.24 | \$ 48,442.33 | \$ 42,113.08 |
| 3 Dakota County | \$ 73,373.63 | \$ 75,657.55 | \$ 76,001.75 | \$ 41,029.40 | \$ 76,001.75 | \$ 73,373.63 |
| 4 Hennepin County | \$ 316,479.90 | \$ 310,688.16 | \$ 276,570.10 | \$ 143,588.07 | \$ 276,570.10 | \$ 316,479.90 |
| 5 Scott County | \$ 293,033.40 | \$ 290,220.58 | \$ 323,985.83 | \$ 385,029.12 | \$ 323,985.83 | \$ 293,033.40 |
| Total Levy: | \$ 725,000.00 | \$ 718,658.47 | \$ 725,000.01 | \$ 595,834.83 | \$ 725,000.01 | \$ 725,000.00 |
| 6 Interest Income | \$ 26,000.00 | \$ - | \$ - | \$ - | \$ - | \$ - |
| 7 MCES WOMP Grant | \$ 5,500.00 | \$ 5,500.00 | \$ 5,500.00 | \$ 4,500.00 | \$ 5,500.00 | \$ 5,500.00 |
| 8 State of MN Grant for Dredge Material Management | \$ 240,000.00 | \$ 480,000.00 | \$ 240,000.00 | \$ - | \$ - | \$ 240,000.00 |
| 9 Metro-Area Watershed Based funding grants | \$ - | \$ - | \$ 182,042.00 | \$ 91,021.00 | \$ 91,021.00 | \$ 91,021.00 |
| 10 License Revenue from placement of dredge | \$ 25,000.00 | \$ 29,652.00 | \$ 25,000.00 | \$ - | \$ 25,000.00 | \$ 25,000.00 |
| 11 Revenues from sale of dredge material | \$ 5,000.00 | \$ 8,904.94 | \$ 5,000.00 | \$ - | \$ 5,000.00 | \$ 5,000.00 |
| 12 Miscellaneous Income | \$ - | \$ 2,549.68 | \$ - | \$ 231.91 | \$ 231.91 | \$ - |
| Total Revenues: | \$ 1,026,500.00 | \$1,245,265.09 | \$1,182,542.01 | \$691,587.74 | \$ 851,752.92 | \$ 1,091,521.00 |
| Expenses: | | | | | | |
| 13 Administration | \$ 250,000.00 | \$ 244,965.60 | \$ 250,000.00 | \$ 85,317.35 | \$ 250,000.00 | \$ 250,000.00 |
| Cooperative Projects | | | | | | |
| 14 Eden Prairie Bank Stabilization -Area #3 | \$ - | \$ 1,371.00 | \$ - | \$ 1,622.80 | \$ 3,554.80 | \$ 35,000.00 |
| 15 Eagle Creek | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 16 Gully Erosion Contingency | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 17 USGS | \$ 18,500.00 | \$ 19,400.00 | \$ 19,700.00 | \$ 9,894.00 | \$ 19,700.00 | \$ 19,700.00 |
| 18 Ravine Stabilization at Seminary Fen in Chaska | \$ - | \$ - | \$ - | \$ - | \$ 110,400.00 | \$ 55,200.00 |
| 19 Riley Creek Cooperative Project with RPB/CWD | \$ 50,000.00 | \$ - | \$ - | \$ - | \$ 75,000.00 | \$ 74,565.67 |
| 509 Plan Budget | | | | | | |
| 20 Resource Plan Implementation | | | | | | |
| 21 TH 101 Ravine/Shakopee | \$ - | \$ - | \$ - | \$ 237.72 | \$ 350.00 | \$ 35,000.00 |
| 22 Assumption Creek Hydrology Restoration Project | \$ - | \$ - | \$ 30,000.00 | \$ - | \$ - | \$ - |
| 23 Carver Creek restoration Project | \$ - | \$ - | \$ 80,000.00 | \$ - | \$ - | \$ 15,000.00 |
| 24 Groundwater Screening Tool Model | \$ - | \$ - | \$ 50,000.00 | \$ - | \$ - | \$ 50,000.00 |
| 25 Eagle Creek (East Branch) Project | \$ - | \$ - | \$ 10,000.00 | \$ - | \$ - | \$ - |
| 26 East Creek Bank Stabilization Project | \$ - | \$ - | \$ 50,000.00 | \$ 12,119.18 | \$ - | \$ - |
| 27 East Creek Water Quality Treatment Project | \$ - | \$ - | \$ 50,000.00 | \$ - | \$ - | \$ - |
| 28 Minnesota River Floodplain Model Feasibility Study | \$ - | \$ - | \$ 30,000.00 | \$ - | \$ - | \$ - |
| 29 Schroeder's Acres Park/Savage Fen Stormwater Management | \$ - | \$ - | \$ 39,555.00 | \$ - | \$ - | \$ 181,055.00 |
| 30 Prior Lake Outlet Channel | \$ - | \$ - | \$ 71,727.00 | \$ - | \$ - | \$ - |
| 31 Spring Creek Project | \$ - | \$ - | \$ 45,000.00 | \$ - | \$ - | \$ - |
| 32 West Chaska Creek Project | \$ - | \$ - | \$ 50,000.00 | \$ - | \$ 50,000.00 | \$ - |
| 33 Sustainable Lakes Management Plan (Trout Lakes) | \$ 50,000.00 | \$ - | \$ - | \$ - | \$ - | \$ 50,000.00 |
| 34 Geomorphpic Assessments (Trout Streams) | \$ 50,000.00 | \$ 2,729.75 | \$ - | \$ 23,641.47 | \$ 50,000.00 | \$ 50,000.00 |
| 35 Paleolimnology Study (Floodplain Lakes) | \$ 50,000.00 | \$ 37,200.00 | \$ - | \$ - | \$ - | \$ - |
| 36 Dakota County Fen Management Study | \$ 75,000.00 | \$ 2,655.51 | \$ 25,000.00 | \$ 5,654.50 | \$ - | \$ 25,000.00 |
| 37 District Boundary Modification Project | \$ 10,000.00 | \$ - | \$ - | \$ - | \$ - | \$ - |
| 38 East Chaska Creek Treatment Wetland Project | \$ 10,000.00 | \$ 3,510.74 | \$ - | \$ - | \$ - | \$ - |
| 39 Minnesota River Sediment Reduction Strategy | \$ 25,000.00 | \$ - | \$ 25,000.00 | \$ - | \$ - | \$ - |
| 40 Riley Creek Bank Stabilization below CSAH 61 | \$ 50,000.00 | \$ 74,724.49 | \$ - | \$ - | \$ - | \$ - |
| 41 Local Water Management Plan reviews | \$ 12,000.00 | \$ 17,981.93 | \$ 12,000.00 | \$ 2,410.70 | \$ 12,000.00 | \$ 8,000.00 |
| 42 Project Reviews | \$ 16,000.00 | \$ 42,713.64 | \$ 20,000.00 | \$ 10,680.60 | \$ 20,000.00 | \$ 20,000.00 |
| 43 Monitoring | \$ 65,000.00 | \$ 50,631.20 | \$ 65,000.00 | \$ 35,127.13 | \$ 65,000.00 | \$ 65,000.00 |
| 44 Watershed Management Plan | | | | | | |
| 45 Next Generation Watershed Management Plan | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 46 Plan Clarification and proposed rules/Rule implementation | \$ - | \$ - | \$ 25,000.00 | \$ 5,762.75 | \$ 25,000.00 | \$ 56,000.00 |
| 47 Plan Amendment | \$ 50,000.00 | \$ 94,849.35 | \$ - | \$ - | \$ - | \$ - |
| 48 Vegetation Management Standard/Plan | \$ - | \$ 3,304.75 | \$ 50,000.00 | \$ 5,245.75 | \$ 50,000.00 | \$ - |
| 49 Public Education/Citizen Advisory Committee/Outreach Program | \$ 30,000.00 | \$ 26,959.84 | \$ 30,000.00 | \$ 4,276.90 | \$ 30,000.00 | \$ 30,000.00 |
| 50 Cost Share Program | \$ 20,000.00 | \$ 19,935.49 | \$ 20,000.00 | \$ - | \$ 20,000.00 | \$ 20,000.00 |
| Nine Foot Channel | | | | | | |
| 51 Transfer from General Fund | \$ 50,000.00 | \$ 50,000.00 | \$ 80,000.00 | \$ - | \$ 80,000.00 | \$ 80,000.00 |
| 52 Dredge Site Restoration | \$ 240,000.00 | \$ 60,794.39 | \$ 240,000.00 | \$ - | \$ 240,000.00 | \$ 240,000.00 |
| 53 Total Non-administrative Expenses: | \$ 721,500.00 | \$ 457,391.08 | \$ 1,367,982.00 | \$ 201,990.85 | \$ 642,100.00 | \$ 1,109,520.67 |
| 54 Total Administrative Expenses (from line 13) | \$ 250,000.00 | \$ 244,965.60 | \$ 250,000.00 | \$ 85,317.35 | \$ 250,000.00 | \$ 250,000.00 |
| 55 Total Expenses | \$ 971,500.00 | \$ 702,356.68 | \$ 1,617,982.00 | \$ 287,308.20 | \$ 892,100.00 | \$ 1,359,520.67 |
| 75 Revenue less Expenses | \$ 55,000.00 | \$ 542,908.41 | \$ (435,439.99) | \$ 404,279.54 | \$ (40,347.08) | \$ (267,999.67) |
| 76 Beginning Fund Balance - January 1 | | \$ 1,289,341.15 | \$ 1,831,230.64 | \$ 1,831,230.64 | | \$ 1,395,790.65 |
| 77 Total Revenue | | \$ 1,245,265.09 | \$ 1,182,542.01 | \$ 691,587.74 | | \$ 1,091,521.00 |
| 78 Total Expenses | | \$ (702,356.68) | \$ (1,617,982.00) | \$ (287,308.20) | | \$ (1,359,520.67) |
| 79 Ending Fund Balance - December 31 (bold figures are projected) | | \$ 1,832,249.56 | \$ 1,395,790.65 | \$ 2,235,510.18 | | \$ 1,127,790.98 |

2020 proposed LMRWD Budget for Administration Operations
2018 Adopted Budget/Actuals - 2019 Adopted Budget/YTD/Projected - 2020 Proposed

| Account | Adopted 2018 | 2018 Actual | Adopted 2019 | YTD 2019 | Projected 2019 | Proposed 2020 |
|---|-----------------|-----------------|-----------------|---------------|----------------|-----------------|
| Revenues: | | | | | | |
| 80 General Property Tax | \$ 725,000.00 | \$ 718,658.47 | \$ 725,000.00 | \$ 595,834.83 | \$ 725,000.01 | \$ 725,000.00 |
| 81 Interest Income | \$ 26,000.00 | \$ - | \$ - | \$ - | \$ - | \$ - |
| 82 License Revenue from placement of dredge | \$ 25,000.00 | \$ 29,652.00 | \$ 25,000.00 | \$ - | \$ 25,000.00 | \$ 25,000.00 |
| 83 Revenue from sale of dredge material | \$ 5,000.00 | \$ 8,904.94 | \$ 5,000.00 | \$ - | \$ 5,000.00 | \$ - |
| 84 MCEs WOMP Grant | \$ 5,500.00 | \$ 5,500.00 | \$ 5,500.00 | \$ 4,500.00 | \$ 5,500.00 | \$ 5,500.00 |
| 85 State of MN Grant for Dredge Material Mgmt. | \$ 240,000.00 | \$ 480,000.00 | \$ 240,000.00 | \$ - | \$ - | \$ 240,000.00 |
| 86 Metro-area Watershed Based Funding Grant | \$ - | \$ 2,549.68 | \$ 182,042.00 | \$ 91,021.00 | \$ 91,021.00 | \$ 182,042.00 |
| 87 Miscellaneous Income | \$ - | \$ - | \$ - | \$ 231.91 | \$ 231.91 | \$ - |
| 88 Total Revenues | \$ 1,026,500.00 | \$ 1,245,265.09 | \$ 1,182,542.00 | \$ 691,587.74 | \$ 851,752.92 | \$ 1,177,542.00 |
| Expenses: | | | | | | |
| 89 Wages-General | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 90 Severance Allowance | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 91 Benefits | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 92 PERA Expense | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 93 Payroll Tax (FICA/Medicare) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 94 Unemployment compensation | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 95 Manager Per Diem | \$ 9,000.00 | \$ 3,525.00 | \$ 9,000.00 | \$ - | \$ 9,000.00 | \$ 11,250.00 |
| 96 Manager Expense (mileage/food/registrations) | \$ 3,500.00 | \$ 783.68 | \$ 4,000.00 | \$ - | \$ 4,000.00 | \$ 3,000.00 |
| 97 Telecommunications-Cell-Internet/Phone | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,000.00 |
| 98 Postage | \$ 1,000.00 | \$ 73.93 | \$ 500.00 | \$ - | \$ 500.00 | \$ 500.00 |
| 99 Photocopying | \$ 1,000.00 | \$ 1,331.02 | \$ 2,000.00 | \$ - | \$ 2,000.00 | \$ 1,000.00 |
| 100 Newsletter Expense(Web Articles) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 101 Legal Notices-General | \$ 1,500.00 | \$ 4,015.20 | \$ 1,500.00 | \$ - | \$ 1,500.00 | \$ 1,500.00 |
| 102 Dues | \$ 4,000.00 | \$ 7,500.00 | \$ 7,500.00 | \$ 7,500.00 | \$ 7,500.00 | \$ 7,500.00 |
| 103 Publications | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 104 Professional Services-General | \$ 132,400.00 | \$ 114,237.50 | \$ 121,100.00 | \$ 44,925.00 | \$ 121,100.00 | \$ 121,050.00 |
| 105 Legal Fees-General | \$ 11,000.00 | \$ 4,466.50 | \$ 11,000.00 | \$ 3,106.50 | \$ 11,000.00 | \$ 10,000.00 |
| 106 Accounting/Payroll Fees | \$ 4,700.00 | \$ 4,872.21 | \$ 5,000.00 | \$ 1,279.52 | \$ 5,000.00 | \$ 5,500.00 |
| 107 Engineering-General | \$ 20,000.00 | \$ 43,262.87 | \$ 20,000.00 | \$ 12,697.84 | \$ 20,000.00 | \$ 20,000.00 |
| 108 Audit Fees | \$ 13,500.00 | \$ 13,710.00 | \$ 14,000.00 | \$ 190.00 | \$ 14,000.00 | \$ 15,000.00 |
| 109 Equipment-Maintenance | \$ 500.00 | \$ 295.30 | \$ 500.00 | \$ 208.10 | \$ 500.00 | \$ 500.00 |
| 110 Taxable meal reimbursement | \$ 500.00 | \$ 414.69 | \$ 500.00 | \$ 84.39 | \$ 500.00 | \$ 500.00 |
| 111 Mileage | \$ 6,000.00 | \$ 3,048.27 | \$ 6,000.00 | \$ 1,336.90 | \$ 6,000.00 | \$ 5,000.00 |
| 112 Training & Education | \$ 1,500.00 | \$ 523.16 | \$ 1,500.00 | \$ 40.00 | \$ 1,500.00 | \$ 1,500.00 |
| 113 Lodging/ Staff Travel | \$ 1,500.00 | \$ 196.46 | \$ 1,500.00 | \$ - | \$ 1,500.00 | \$ 1,500.00 |
| 114 Rent | \$ 8,000.00 | \$ 7,800.00 | \$ 8,000.00 | \$ 3,900.00 | \$ 8,000.00 | \$ 7,800.00 |
| 115 Web Expense-Design & Hosting (Moved to E & O) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 116 Equipment-Lease | \$ 3,000.00 | \$ 2,847.72 | \$ 3,000.00 | \$ 1,059.03 | \$ 3,000.00 | \$ 2,500.00 |
| 117 Insurance & Bonds | \$ 9,000.00 | \$ 9,071.00 | \$ 10,000.00 | \$ 180.00 | \$ 10,000.00 | \$ 10,000.00 |
| 118 Bank Charges | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 119 Cleaning Service | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 120 Meeting Supplies/Expense | \$ 100.00 | \$ 59.30 | \$ 100.00 | \$ 97.39 | \$ 100.00 | \$ 100.00 |
| 121 Office Supplies | \$ 300.00 | \$ 497.31 | \$ 300.00 | \$ 19.34 | \$ 300.00 | \$ 300.00 |
| 122 Equipment-General | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 123 Miscellaneous-General | \$ 3,000.00 | \$ 2,434.50 | \$ 3,000.00 | \$ 360.00 | \$ 3,000.00 | \$ 3,000.00 |
| 124 Lobbying | \$ 15,000.00 | \$ 19,999.98 | \$ 20,000.00 | \$ 8,333.34 | \$ 20,000.00 | \$ 20,000.00 |
| Total Expense for Administration: | \$ 250,000.00 | \$ 244,965.60 | \$ 250,000.00 | \$ 85,317.35 | \$ 250,000.00 | \$ 250,000.00 |

2020 Budget Explanation of line items

| | |
|--|--|
| Project funding proposed in the 2020 Budget is taken from Table 4-1 of the LMRWD Watershed Management Plan. Additional projects have been added and will fall under the Water Resources Restoration Fund | |
| Line # | Cooperative Projects |
| | <i>Cooperative Projects are those projects that are intended to be completed by the LMRWD with other partners</i> |
| 14 | <p>Eden Prairie Bank Stabilization - Area #3 This item includes a dollar amount this year to cover the cost of assessing the data collected from the inclinometers. The Water Resource Restoration Fund shown in Table 4-1 of the Watershed Management Plan is intended to cover project like this.</p> |
| 18 | <p>The Ravine Stabilization at Seminary Fen in Chaska This item has an amount listed which is one half the amount of the second half of the Clean Water Fund Grant. If the BWSR Board does not reconsider the decision to deny payment of the grant, the LMRWD may have an expense related to this project. Staff is working with legal counsel to determine how to move forward on this item.</p> |
| 19 | <p>Riley Creek Cooperative Project with RPBCWD The LMRWD committed 150,000 to this project. This amount is needed to fully fund the project. The LMRWD has levied for this project and the expenses incurred so far have been for the feasibility report and the construction the reach of the project south of CSAH 61/Flying Cloud Drive. The account for revenues and expenses are:</p> <p style="margin-left: 40px;">Revenues:</p> <ul style="list-style-type: none"> • 2016.....\$45,000 • 2017.....\$100,000 • <u>2018.....\$50,000</u> <p style="margin-left: 40px;">TOTAL.....\$195,000</p> <p style="margin-left: 40px;">Expenses:</p> <ul style="list-style-type: none"> • 2016.....\$39,052.63 • 2017.....\$6,315.55 • <u>2018.....\$74,197.49</u> <p style="margin-left: 40px;">TOTAL.....\$119,565.67</p> <p>The difference between the Revenues and Expenses is \$75,434.33. In order to meet the amount committed to the Riley/ Purgatory/Bluff Creek Watershed District for the upper Riley Creek an additional \$74,565.67 is needed.</p> |
| 509 Plan Budget | |
| 21 | <p>TH 101 Ravine/Shakopee This project will restore a ravine to the Minnesota River that the city of Shakopee is intending to direct stormwater to, in order to redirect stormwater from the Amazon Fulfillment Center that is currently flowing to a Native American Burial Mound site. Redirecting water to this ravine is the preferred alternative.</p> |
| 41 | <p>Local Water Management Plan Reviews The LMRWD has not yet approved the Local Water Management Plans for Shakopee, Savage and Mendota. All other cities' plans have been approved and will review only if amended or when next updated in 2027/2028.</p> |
| 42 | <p>Project Reviews This item includes costs incurred by the LMRWD to review non-LMRWD projects. Once the general permits are approved for the cities, the LMRWD will only review projects proposed in unincorporated areas of the LMRWD and by MNDOT. Since the LMRWD cannot charge permit fees to the State, it is unlikely the LMRWD will be able to cover the cost of project reviews through fees for permit review.</p> |
| 46 | Rule Implementation |

2020 Budget Explanation of line items

| | |
|--------|--|
| | This item is what staff estimates it will cost to implement LMRWD rules. Staff will have to review applications submitted by the cities and cities official controls in order to issue the general permits. |
| 49 | <p>Public Education/CAC/Outreach Program The 2020 projected costs the LMRWD will spend on public education include:</p> <ul style="list-style-type: none"> • Master Water Steward Program.....\$2,500.00 • LMRWD website update/maintenance.....\$8,000.00 • 2020 Metro Children's Water Festival.....\$1,650.00 • Rain Garden Workshops.....\$2,250.00 • Freshwater Society "Ice Out/Loon In".....\$800.00 • Support for Minnesota River Congress.....\$300.00 • MN River Boat Tour.....\$8,000.00 • Sponsorship of RSS and Water Summit.....\$1,500.00 • Project with MN River Congress.....\$5,000.00 <p>TOTAL:.....\$30,000.00</p> |
| Line # | Nine Foot Channel |
| 51 | <p>Transfer from General Fund No transfer from the general fund has been included to help pay down the deficit in the channel maintenance fund. Since the 2018 audit has been held up that figure is not available. One of the reasons the deficit has built up in the fund is because 20% of the administrative costs for the District are allocated to the Channel Maintenance Fund</p> |
| Line # | Administrative Budget |
| 75 | <p>Manager Per Diem This figures is calculated using an increase in the per diem to \$125/meeting in 2020 and includes 1.5 meetings per month per manager</p> |
| 77 | <p>Tele-Communications An amount has been added to pay for a cell phone for the District. Currently the LMRWD does not have its own phone number and it should have a number for the public and others to call to reach the District. The Administrator would then use the phone for business purposes.</p> |
| 79 | <p>Photocopying Photocopying expense has been reduced because the new copier the LMRWD has leased allow for direct printing of meeting packets.</p> |
| 82 | <p>Dues MAWD dues were included at \$7,500. I have not heard any indication that the dues will be increased for 2020.</p> |
| 86 | <p>Accounting /Payroll Fees The agreement with Carver County to provide financial services for the LMRWD expires at the end of 2019. The LMRWD is working with the County to draft a new agreement, but the increase in cost is not known at this time. The increase proposed in the draft budget used the increase in the fees between 2018 and 2019 in the current agreement.</p> |
| 88 | <p>Audit Fees Audit fees equal the amounts agreed upon in the engagement letter between Redpath and Company and the LMRWD. In addition, it includes fees charged to the LMRWD by Scott and Carver County to complete tax work papers.</p> |
| 94 | <p>Rent Rent remains at \$650 per month on a month by month basis.</p> |
| 96 | <p>Equipment - Lease The lease for the new copier is less than the old copier and the cost per copy reflected in the maintenance agreement is less also.</p> |

Table 4-1: Lower Minnesota River Watershed District - Implementation Program Budget for 2018 -2027

| ACTION | Year | | | | | | | | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
| EXPENDITURE | | | | | | | | | | |
| Administrative/Managerial | | | | | | | | | | |
| General Administrative Services, Conferences, Coordination with LGUs, Stakeholders and other Project Partners, LGU Program Reviews, 9-Foot Channel, and Advisory Committees (Technical and Citizen) | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 |
| Administrative/Managerial Budget Total | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 |
| Studies and Programs | | | | | | | | | | |
| Cost Share Incentive and Water Quality Restoration Program | \$20,000 | \$20,000 | \$20,000 | \$50,000 | \$20,000 | \$20,000 | \$20,000 | \$20,000 | \$20,000 | \$20,000 |
| Education and Outreach Program | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$40,000 |
| Fen Stewardship Program | \$75,000 | \$25,000 | \$25,000 | \$25,000 | \$25,000 | \$25,000 | \$25,000 | \$25,000 | \$25,000 | \$25,000 |
| Geomorphic Assessments (Trout Streams) | \$50,000 | | \$50,000 | | | | \$50,000 | \$50,000 | | |
| Monitoring Program | \$65,000 | \$65,000 | \$65,000 | \$75,000 | \$75,000 | \$75,000 | \$75,000 | \$75,000 | \$100,000 | \$100,000 |
| Paleo-limnology Study (Floodplain Lakes) | \$50,000 | | | | | | \$50,000 | | | |
| Sustainable Lake Management Plans (Trout Lakes) | \$50,000 | | \$50,000 | | \$50,000 | | \$50,000 | \$50,000 | | \$50,000 |
| Vegetation Management Plan | | \$50,000 | | | | | | | \$65,000 | |
| Water Resources Restoration Fund | | | \$100,000 | \$100,000 | \$120,000 | \$125,000 | \$100,000 | \$100,000 | \$160,000 | \$150,000 |
| Studies and Programs Budget Total | \$340,000 | \$190,000 | \$340,000 | \$280,000 | \$320,000 | \$275,000 | \$400,000 | \$350,000 | \$410,000 | \$385,000 |
| Capital Improvements | | | | | | | | | | |
| Assumption Creek Hydrology Restoration Project | | \$30,000 | | | | | | | | |
| Carver Creek Restoration Project | | \$80,000 | \$15,000 | | | | | | | |
| Minnesota River Corridor Management Project | | | \$25,000 | \$75,000 | | | | | | |
| Groundwater Screening Tool Model | \$50,000 | \$50,000 | \$50,000 | | | | | | | |
| District Boundary Modification Project | \$10,000 | | | | | | | | | |
| Downtown Shakopee Targeted BMP Feasibility Study | | | | | \$50,000 | | | | | |
| Dredge Site Restoration Project | \$240,000 | \$240,000 | | | | | | | | |
| Eagle Creek (East Branch) Project | \$10,000 | \$10,000 | | | | | | | | |
| East Creek Bank Stabilization Project | | \$50,000 | | | | | | | | |
| East Creek Water Quality Treatment Project | | \$50,000 | \$25,000 | | | | | | | |
| Minnesota River Assessment of Ecological and Economic Impacts of Sedimentation | | | | | | | \$25,000 | \$30,000 | \$45,000 | \$50,000 |
| Minnesota River Assessment of Water Storage Benefits and Opportunities. | | | | | | | \$30,000 | \$25,000 | \$45,000 | \$50,000 |
| Minnesota River Floodplain Model Feasibility Study | | \$30,000 | | | | | | | | |
| Minnesota River Sediment Reduction Strategy | \$15,000 | \$25,000 | | | | | | | | |
| Minnesota River Study Area 3 – Bluff Stabilization Project | | | | | \$100,000 | \$250,000 | | | | |
| Realignment of the Prior Lake Spring Lake Outlet Channel | | | | \$70,000 | \$30,000 | | | | | |
| Riley Creek Project – Downstream of Flying Cloud Drive | \$50,000 | \$75,000 | | | | | | | | |
| Schroeder's Acres Park/Savage Fen Stormwater Management Project | | \$39,555 | \$181,055 | | | | | | | |
| Seminary Fen Restoration Site A | | | | \$75,000 | | | | | | |
| Seminary Fen Restoration Site B | | | | | | | \$50,000 | \$25,000 | | |
| Seminary Fen Ravines Site C-2 and C-3 Studies | | | | | | | \$20,000 | \$40,000 | | |
| Seminary Fen Ravines Site C-2 and C-3 Design and Construction | | | | | | | | \$55,000 | \$50,000 | \$65,000 |
| Spring Creek Project | | \$45,000 | | | | | | | | |
| West Chaska Creek Project | | \$50,000 | | | | | | | | |

| ACTION | Year | | | | | | | | | |
|-------------------------------------|------------------|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
| Capital Improvements Budget | \$375,000 | \$774,555 | \$296,055 | \$220,000 | \$180,000 | \$250,000 | \$125,000 | \$175,000 | \$140,000 | \$165,000 |
| TOTAL EXPENDITURES | \$965,000 | \$1,214,555 | \$886,055 | \$750,000 | \$750,000 | \$775,000 | \$775,000 | \$775,000 | \$800,000 | \$800,000 |
| REVENUE | | | | | | | | | | |
| General Levy | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 |
| Planning and Implementation Levy | \$475,000 | \$588,500 | \$500,000 | \$500,000 | \$500,000 | \$525,000 | \$525,000 | \$525,000 | \$550,000 | \$550,000 |
| WBF - Pilot Funding (Scott) | | \$73,275 | \$73,275 | | | | | | | |
| WBF - Pilot Funding (Carver) | | \$12,736 | \$12,736 | | | | | | | |
| WBF - Pilot Funding (Dakota) | | \$32,725 | \$32,725 | | | | | | | |
| WBF - Pilot Funding (Hennepin) | | \$17,319 | \$17,319 | | | | | | | |
| Special Channel Maintenance Funding | | | | | | | | | | |
| Grants | \$240,000 | \$240,000 | | | | | | | | |
| TOTAL REVENUE | \$965,000 | \$1,214,555 | \$886,055 | \$750,000 | \$750,000 | \$775,000 | \$775,000 | \$775,000 | \$800,000 | \$800,000 |



June 21, 2019

**LOWER MN RIVER
WATERSHED DISTRICT
112 E 5TH STREET
CHASKA, MN 55318**

Re: The Form and Net Tax Capacities to Use to Apportion Payable 2020 Property Tax Levies

The law provides that each watershed district must certify to the county auditor of each county within the district the county's share of the district's tax for the next taxes payable year. The apportionment of the district's tax to each county within the district is to be based on the ratio of each county's net tax capacity to the total net tax capacity for the entire district. The net tax capacity numbers to be used are those for the previous levy year, excluding powerline credit, tax increment, and fiscal disparity contribution net tax capacities.

The form for you to use in determining the apportionment of your commission's payable 2020 property tax levy is enclosed. It is titled "Certification of Apportioned Levies – Payable 2020." When your district has determined its levy for payable 2020, you should complete the form for your district and send copies of it to the county auditors of the counties within your district. The copy received by each county auditor should have his/her county's name and share of district's levy highlighted. In this respect, it will serve as the certification to the county auditors of your district's payable 2020 property tax levy.

For everyone's convenience would you please send me your or your district's email address for future correspondence.

If you have any questions concerning this letter or the levy apportionment form, please contact me.

Sincerely,

**Bill Sparks, Program Administrator
Auditor/Treasurer Services Unit
Property Tax Division**

Minnesota Department of Revenue
Office: 651-556-6095
Fax: 651-556-5128
www.revenue.state.mn.us

District 060 - Lower Minnesota River Watershed District
CERTIFICATION OF APPORTIONED LEVIES
PAYABLE 2020

(1) Payable 2020 Property Tax Levy: \$ _____

| County | (2) Payable 2019 Taxable Net Tax Capacity | (3) Net Tax Capacity Percent Distribution | (4) Apportioned Payable 2020 Levy (1X3) |
|-----------------|--|--|--|
| Carver | 6,536,231 | 5.9080% | |
| Dakota | 10,794,180 | 9.7566% | |
| Hennepin | 49,059,437 | 44.3437% | |
| Scott | 44,244,599 | 39.9917% | |
| Watershed Total | 110,634,447 | 100.0000% | -- N/A -- |

Signature of Budget Officer

Title

Date



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday July 17, 2019

Agenda Item

Item 6. B. - MN River Congress Request

Prepared By

Linda Loomis, Administrator

Summary

This is an item that has come before the Board at the April and June Board meetings. Mr. Scott Sparlin plans to be present to answer any questions the Board may have. I asked Mr. Sparlin to prepare a proposed work plan or scope of work for the project. The information he provided is attached. Funding is included in the 2020 budget for this project. If the Board chooses to provide funding for this project in 2019, there is funding in the 2019 budget intended for a project that Friends of the MN Valley proposed, that could be re-directed toward this project.

Attachments

Water Storage Legislation Work Plan and Timeline

Proposed Water Storage Legislation

MN River Congress participating entities and organizations.

Recommended Action

No action recommended

Minnesota River Congress/CCMR Water Storage Legislative Initiative
Work Plan-Timeline 7-1-19 to 7-1-21

July 1, 2019 to December 31, 2019

Continue to solicit, collect, compile and adapt input to be used to develop the various components of the bill. This requires face to face meetings and communicating with the potential implementers of the legislation including SWCD's, Watershed Districts, BWSR, State Agencies and numerous others. This will also be an on-going communication task given the nature of bill creation and perpetual negotiations with legislators. I will also meet with bill authors to share the compiled input in order to create first version of the bill in this time frame. This also requires face to face consultations. The bill is projected to be introduced this upcoming session of the legislature as previously indicated to me and other members of the Minnesota River Congress by the authors in both the State House and Senate.

I will continue to work with Minnesota State University Mankato Water Resources Center staff to compile and create a packet of existing data and associated documentation from various compelling studies. This will be made to distribute to legislators and partners for use in proving the need for water storage and securing support for the legislation from all parties and the public.

Do comprehensive targeted outreach, meet, as well as communicate with key water related, conservation, natural resource and agricultural entities to secure all levels of backing such as partnerships, resolutions and letters of support. This task is a focus of this time frame but will continue to be a task for the entire time as well.

I have met and will be meeting in person with Governor's past federal staff. I am confident I will ultimately obtain a meeting with Governor through those contacts and my past relationship with the Governor during his time in the U.S. House of Representatives. I will attempt to persuade the Governor to champion the water storage legislation and the river system in general going forward. He has close ties to Mankato and served as the House of Representatives chair of the "Sportsman's Caucus"

In consultation with authors we will also explore the potential for working within existing legislation to modify content which will likely take the same route of activity and actions by myself and others as laid out here.

Total \$3500 Includes on-going full 2-year period tasks from above

December 1, 2019 to May 15, 2020

Meet in person and continue distribution of created information packets to legislators from both political parties in both houses of the legislature to obtain sponsorship and sign on to the bill.

Continue meetings with SWCD's for advancement of basin resolutions in support of a water storage bill to be taken to the state level for confirmation vote.

Work with bill authors to introduce the bill and obtain first hearings in both house and senate and foster progress.

When hearings are scheduled, we will arrange for testimony from important key affected individuals and entities such as agricultural producers, farming organization representatives, The Lower Minnesota River Watershed District, conservation organizations, city, county and state entities that deal with infrastructure maintenance.

We will develop an infrastructure protection awareness document and identify and secure point communication persons able to articulate the potential for infrastructure damages if something is not done on a larger scale such as we propose.

We will work with key partners to develop regular press releases and other means of media communications to increase public awareness about the nature and status of the bill.

We will participate in and work with organizers of "Water Action Day" at the State Capitol to include it as a priority talking point with all state legislators and see that information about it is included in the packet handout for the day by participants.

We will solicit and request statements in support from the Governor. To accomplish this task, I will set up a meeting with staff, provide information and consultation as to what we want to convey to the greater public.

Time frame total \$2000

May 15, 2020 to December 31, 2020

I will work with the bills authors and sponsors to obtain committee hearings and consult with them to make any critical changes to ensure progress.

I will continue to foster the progress of the bill and advocate for its enactment. I will also seek out additional member support. This task requires trips to St. Paul and face to face meetings with legislators.

I will meet in person with federal elected house and senate members to explore options for federal partner funding if the state were to sign a water storage bill. The bill will be under more serious consideration at this time and federal funding opportunities can become a critical incentive for the state to enact a water storage bill if significant dollars are accessible at the federal level. Given that circumstance we will work to communicate these opportunities to the public and work in consultation with federal legislators and staff to develop the communication strategy and plea for public support at the state level to access the federal funding.

I will explore the potential for private foundation funding by meeting face to face with officers to discuss the feasible possibilities if the state were to enact the water storage bill.

I will explore the potential for Legacy Amendment funding through the LSOHF and Clean Water Fund by meeting with officers and discussing face to face the feasible possibilities if the state were to enact the water storage bill.

I will explore and compile other forms of funding to partner with by meeting with organizations and businesses who may want to play a part in creating and or enhancing water storage.

Time frame total \$2500

January 1, 2021 to July 1, 2021

I and the authors of the bill will continue to shepherd and monitor the bill through the next critical final phases. This task involves trips to the capitol for hearings and meetings to strategize with various legislators, staff and other key partners and people. I will set up and help coordinate testimony people in consultation with legislative staff as needed.

Working with bill authors and sponsors we will secure committee hearings and get a vote on a final water storage bill passage.

I will work with federal partners to strategize on process for accessing federal dollars available after the legislation is passed and enacted.

I will provide a final report on the initiative **Time frame total \$2000**

Initial process and sequence for seeking support for a
Water Storage bill and its components
“The Next Big Thing”

The fact is that all the data shows clearly that we need to put more water storage on the landscape. This is a clear, understandable and in most cases a well-received way to accomplish the goal of replacing historical and currently drained lakes and wetlands. It is literally intuitive to most people and especially land owners.

A very desirable by-product of this entire process is the exposure in the various medias.

Area 6 SWCD Supervisors and staff which comprise of 11 county SWCD's in the middle part of the Minnesota River basin has been met with three times have passed the resolution in principle. Area 5 has also been met with and notified of the initiative and will be going through the same endorsement process. We are emphasizing that surface water storage has come to the forefront in all our related meetings and discussions with other groups. We are using “in the interest of not wanting to waste your time, are you comfortable with, and agree that this is a program you would look forward to implementing. And do you feel that it is a public natural resource priority?” We are scheduling meetings with all the other affected SWCD district areas and key individual ones also.

The Minnesota River Congress is spearheading an initiative to secure significant funding by requesting a bill in the state and national legislatures that would create a pool of money targeted **specifically for surface water storage** in the Minnesota River Watershed. We will refer to CREP #1 and successful process that took place with much public and organizational support. This would be a little different however because we would already have a bill in the state legislature to take to the federal level when we make the federal request.

We are describing what we envision that the program/initiative could look like and how it might work and will be asking for additional input on how best to make it work or improve on the way we have it laid out. (See initial description on next page) It should have an acreage or percentage goal which will most likely be linked to the amount of money the bill would have in it.

We are using the CSSR (Collaborative for Sediment Source Reduction) study recommendations and allude to all the other numerous past and present related data and recommendations which currently exists and will be compiled by me shortly. We will enlist Patrick Belmont, Karen Gran, Chris Lenhart, Peter Wilcock and numerous others with completed studies and supporting data to provide that data and documentation.

We have created a template resolution that can be edited to fit what ever entity would be offering its endorsement. We will also be creating other narrative to be plugged into current letters of endorsement.

We are meeting/contacting other organizations who already participate in the Minnesota River Congress, (list included) to get support letters or resolutions, or their group sign on to a single letter along with other groups. Groups initially targeted include but not limited to IWLA, LPLA, CURE, MEP, FMV, CCMR, LSP, SFA, DU, PF, any farm organization or commodity related etc.

We will seek to obtain letter endorsements from other area SWCD's, Watershed Districts, and all other water related entities able to do so.

We have met in person with and secured legislative authors in the State House and Senate.

We will solicit other House and Senate sign on support aggressively.

We have met with one of the Governor's former national staff people who is now a MNDNR staff person along with other former national staff who have agreed to expose the initiative to the Governor and ask him to champion it. We will also be seeking meetings with the Governor himself for strategies and support counsel.

We will meet with federal level Minnesota legislators possessing state support and seek federal support and matching dollars.

We will seek private foundation funding for water storage.

We will investigate the potential for Legacy Amendment support.

Water Storage Program/Initiative (first draft) very preliminary description

A one-time purchase to willing land owners of a permanent easement on land that has been identified as historically water covered by a concurred upon date such as the 1895 land survey or later, as well as existing MNDNR maps including Lidar etc. Rates for payment should reflect land values of the surrounding area and cropping history. A maximum payment limit should be established. Referencing other similar bills for additional requirements and components can and should be done for detailed legal descriptions. Much of this can be done at the legislative level during the bill creation process. Inclusion of components and incentives suggested by SWCD's would be a critical part of the initial bill makeup. There could also be an option of revising current program legislation to fit the storage priority.

Some features could include:

*Allowing use of the shallow lake/wetland and surrounding buffer to be leased for hunting by the land owner.

*If open to the public for hunting etc. further additional payment for land could be offered.

*Priority should be given to areas with ability to store larger volumes of water?

Area 2,4,5,6,7 SWCD's

Counties in the Basin

Blue Earth

Cottonwood

Faribault

Freeborn

Jackson

Martin

Watonwan

Chippewa

Douglas

Grant

Kandiyohi

Otter Tail

Pope

Stevens

Swift

Brown

Lyon

Murray

Redwood

Lac qui Parle

Lincoln

Yellow Medicine

Renville

LeSueur

Steele

Waseca

Carver

Dakota

Hennepin

McCloud

Nicollet

Pipestone

Traverse

Big Stone

Ramsay

Rice

Scott

Sibley

*Stearns

Minnesota River Congress Participating entities/organizations to date:

Minnesota State Mankato Water Resources Center, Minnesota Agricultural Water Resources Center, Minnesota Soybean Growers Assn, Clean Up the River Environment, Coalition for a Clean Minnesota River, Minnesota Corn Growers Assn., Southern Minnesota Beet Sugar Cooperative, Joseph Brown Center, Friends of Pool #2, Lake Pepin Legacy Alliance, The Minnesota Earth Sabbath Team, Agricultural Drainage Management Coalition, Tatanka Bluffs Corridor, Minnesota Valley History Learning Center, The Mankato Paddling and Outings Club, LeSueur River Citizens Watershed Network, Minnesota Pollution Control Agency, Minnesota Department of Natural Resources, Minnesota Department of Agriculture, Minnesota Farmers Union, Lower Sioux Community, Friends of the Minnesota Valley, Rural Advantage, MN Board of Water and Soil Resources, The New Ulm Area Sport Fishermen, Redwood Cottonwood Rivers Control Area, Minnesota River Watershed Alliance, The Lower Minnesota River Watershed District, Mankato Paddling and Outings Club, Wild River Academy, University of Minnesota Extension Regional Sustainable Development Partnerships, Minnesota Association of Watershed Districts, Numerous county SWCD staff and supervisors, County Commissioners, State and Federal elected officials and staff, crop consultants, Row Crop Producers, Certified Organic farmers, Community Supported Agriculture producers, American Fisheries Society sub-unit MSUM, US Geologic Survey, Greater Minnesota Parks and Trails Commission, Minnesota Valley National Wildlife Refuge Center, Natural Resources Conservation Service, Minnesota River By-Way, Hawk Creek Watershed Project, Minnesota Center for Environmental Advocacy, Greater Blue Earth River Basin Alliance, Agri-News, Pioneer Public Television, KEYC Television, 5 basin newspapers, Barr Engineering, Friends of High Island



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday July 17, 2019

Agenda Item

6. C. - Remote Meeting Participation

Prepared By

Linda Loomis, Administrator

Summary

This project is moving forward. On Friday, July 12, 2019, Tierney met with Carver County technical staff to understand the County's system. The scope of the project was updated to reflect the LMRWD project rather than the Rice Creek WD project. The updated proposal is attached for the Board's information.

Attachments

Updated quote from Tierney

Recommended Action

No action recommended



Quote

#154740

1771 Energy Park Drive, Suite 100, St. Paul, MN 55108
 (612) 331-5500 | (800) 933-7337 | Fax (612) 331-3424
 www.tierneybrothers.com

5/6/2019

Bill To

Linda Loomis
 Lower Minnesota River Watershed District
 6677 Olson Memorial Highway
 Golden Valley MN 55427

Ship To

Linda Loomis
 Lower Minnesota River Watershed District - Carver County
 Government Center
 600 E 4th St
 Chaska MN 55318

Memo:
 Multi Room Design Fee

| Expires | Sales Rep | Contract | Terms |
|----------|------------------|----------|-------|
| 9/2/2019 | 209 Heidi Harvey | | NEW |

| Qty | Item | MFG | Price | Ext. Price |
|-----|--|-----|------------|------------|
| 1 | <p>Multi Room Design Fee</p> <p>AV Design to include scope and bill of materials for multi room design (up to three different configurations)</p> <p>When Tierney Brothers, Inc. is awarded the project, the full amount of this design fee will be credited towards the job and will appear as a deduct towards the overall project amount.</p> <p>SEE OPP 22611</p> <p>Quote includes:</p> <p>a. Two Site visits to the Carver County Boardroom b. Provide initial designs for 2 locations(Carver County Boardroom and a remote manager system) with itemized cost estimate for materials and labor for each initial site design.</p> <p>Also any other "out the door" costs should be included in the recommendation for each site including (but not limited to) service plans, software costs and annual fees, etc?</p> <p>Not to exceed \$1500 total cost for all service listed</p> | | \$1,500.00 | \$1,500.00 |

| | |
|----------------------|------------|
| Subtotal | \$1,500.00 |
| Tax (7.375%) | \$110.63 |
| Shipping Cost | \$0.00 |
| Total | \$1,610.63 |



154740



Quote

#154740

5/6/2019

1771 Energy Park Drive, Suite 100, St. Paul, MN 55108
(612) 331-5500 | (800) 933-7337 | Fax (612) 331-3424
www.tierneybrothers.com

To accept this quotation, sign here : _____

If accepting this quote via purchase order please reference this quote number on your PO. To order via credit card please contact customer service at 612-331-5500.

This document is subject to the terms and conditions found here: www.tierneybrothers.com/SOTC

Please inspect product upon delivery. All claims for defective merchandise or errors in shipping must be made within five days after receipt of goods. Clients using their own carriers will be responsible for filing their own freight claims if product is damaged in transit. Returns require an authorization number and must be made within 30 days. Custom orders and "Consumables", such as projector lamps, may not be returned. Returns are subject to restocking fees with the exception of out of box failures and replacements under warranty. Restocking fees varying depending on the product line, expect a minimum charge of 25%.



154740



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday July 17, 2019

Agenda Item

Item 6. D. - Dredge Management

Prepared By

Linda Loomis, Administrator

Summary

i. Funding for dredge material management

Lisa Frenette and I met with Patrick Phenow of MNDOT Navigation division. We met to discuss the LMRWD eligibility for the Port Development Assistance Program. Legal Counsel for MNDOT do not feel that the statutes as written qualifies the LMRWD for the program (notwithstanding the fact the LMRWD has received funding in the past through the program). MNDOT does not feel that the LMRWD meets the definition of a commercial navigation committee as defined in [MN Statute 457A.01](#).

We discussed getting a definitive opinion from MNDOT regarding LMRWD's qualification under the program. In the meantime, Lisa will contact the MN Port Authority Association and I will work with the terminal operators to pursue a change to language in statute if needed. We also discussed the types of projects that the LMRWD would seek funding for.

ii. Vernon Avenue Dredge Material Management site

A hearing before the Savage Planning Commission is scheduled for 7:00pm July 18, 2019. The request from the LMRWD to amend the Conditional Use Permit for the Vernon Avenue dredge site is being considered. The public hearing notice and the portion of the Savage Planning Commission meeting packet is attached for the Board information. Managers are invited to attend. (I would also point out that is the same evening as the Metro MAWD meeting)

iii. Private Dredge Material Placement

Private material was removed from the site in June. I have not been informed that any new material has been brought in. The notice of dredging at the USACE website does not include any cuts on the Minnesota River so I don't think that any barge movement has occurred on the MN River.

Attachments

Public Hearing Notice

Savage Planning Commission meeting packet that pertains to the LMRWD request

Recommended Action

No recommended action

**NOTE: THIS ITEM WAS ORIGINALLY SCHEDULED FOR
THE PLANNING COMMISSION MEETING ON
THURSDAY, JUNE 20, 2019, BUT IS BEING RESCHEDULED
TO THE DATE SHOWN BELOW**

City of Savage
Notice of Hearing
Conditional Use Permit
Lower Minnesota River Watershed District
12020 Vernon Avenue

NOTICE IS HEREBY GIVEN that the Planning Commission will conduct a public hearing in the Council Chambers at Savage City Hall, 6000 McColl Drive, Savage, Minnesota at 7:00 p.m., or as soon thereafter as possible, on Thursday, July 18, 2019, to receive public comments and consider the request of the Lower Minnesota River Watershed District, for a conditional use permit, as required by Section 152.359(B) of the Savage Zoning Ordinance, to reconfigure and allow modifications to the existing site used for the temporary storage of material from dredging operations on the Minnesota River on property legally described as:

Lots 5 and 6, Auditor's Subdivision No. 1, Savage, Minnesota, a duly recorded plat, Scott County, Minnesota and that part of Lot 1, Auditor's Subdivision No. 3, Savage, Minnesota, a duly recorded plat, Scott County, Minnesota lying northerly of the following described line and its westerly extension: Commencing at the northeast corner of Section 9, Township 115, North, Range 21 West, Scott County, Minnesota; thence South 00 degrees 03 minutes 13 seconds west, assumed bearing, along the westerly line of said Lot 1 a distance of 55.48 feet; thence southeasterly 237.76 feet along the westerly line of said Lot 1 and along a non tangential curve concave to the southwest having a radius of 647.97 feet and a central angle of 21 degrees 01 minutes 26 seconds, the chord of said curve is 236.43 feet in length and bears South 23 degrees 11 minutes 54 seconds east to the point of beginning of the line to be described; thence north 87 degrees 20 minutes 18 seconds east 1322 feet more or less to the shoreline of the Minnesota River, said shoreline also being the northeasterly line of said Lot 1, and said line there terminating.

For questions or additional information, please contact Senior Planner Terri Dill at tdill@ci.savage.mn.us or 952-882-2698.

/s/ Terri Dill,
Terri Dill, Senior Planner



Planning Commission Agenda Memorandum

Meeting Date: July 18, 2019
Agenda Item Number: 4B
Originating Department: Planning
Prepared by: Terri Dill, Senior Planner

Action Requested:

Consider Conditional Use Permit Amendment for Lower MN River Watershed District (LMRWD) to allow modifications to dredge site located at 12020 Vernon Avenue, Project #17-25.

Guiding Principle:

"Savage will facilitate thoughtfully planned, balanced, and diverse development."

Background:

The Minnesota River provides barge navigation for several of the world's largest grain marketing companies who operate terminals along the river. In the 1950's, the US Army Corps of Engineers (USACE) was ordered to deepen the Minnesota River Navigational Channel beginning at the confluence with the Mississippi River to river mile 14.7 in Savage so barges could transport grain and other materials. The USACE was required to partner with a local entity to provide a dredge placement site and in 1960, the Lower Minnesota River Watershed District (LMRWD) was established to act as this sponsor. The LMRWD is required to provide and manage placement sites for the dredge material. The LMRWD also has private agreements with Cargill, CHS and Riverland Ag to provide a site for the temporary storage of dredge material from their private slips.

In 2006, the LMRWD purchased property from Cargill located on the east side of Vernon Avenue along the Minnesota River for a dredge placement site. The LMRWD requested a conditional use permit (CUP) from the City to allow the materials to be stored within the floodway district which is allowed as a conditional use in the I-1 Limited Industrial zoning district. An amendment to the CUP was approved in 2014 that lifted an original condition that limited hauling to 15 truck trips per day after a traffic study was completed and with the addition of different restrictions for hauling (see Resolution 14-83).

The truck hauling process has been monitored since 2014 and staff has not seen any issues related to hauling of the dredge materials. One condition of approval required providing the City with 24 hour notice of hauling and staff is recommending that this condition be removed since there have been no incidents in the last five years that required any type of additional traffic control. Vernon Avenue is a city roadway from TH 13 to the Minnesota River even though

it is minimally maintained. Any future roadway improvements will be at the cost of the LMRWD.

To keep a 9 foot navigational channel open, sediment that accumulates in the river must be removed. The sediment is dredged from the river with a backhoe located on the deck of a barge. The dredging spoils are moved to the storage site to dewater within different storage cells and once dried, the material is hauled off site. The site contains approximately 19.42 acres and approximately 12 acres is used for storing dredge materials.

The LMRWD has a Dredge Material Site Management Plan for monitoring and managing the dredge spoils. The plan includes detailed analysis of dredge material samples obtained over a number of years to determine which materials may require special management and disposal. Dredge material extracted from the main river channel consists of granular material that can be reused as a fill material in certain construction projects. Material removed from private slips consists of mostly silt and clay and is disposed of at a local landfill.

The Minnesota State Legislature awarded the LMRWD \$480,000 for site modifications in 2017 which requires an amendment to their existing CUP. The proposed modification project will consist of three cells where the dredge materials will be stored (see Attachment A). Cell one will contain the dredge material from the private slips, cell two is for USACE dredge material and cell three is for continued watering and secondary storage. The site will continue to use the two existing unload locations. The modifications also aim at improving dewatering and will provide permanent, structurally sound berms located around the storage cells.

The site is located within the Floodway District which includes the river channel and adjacent land area that is preserved to carry and discharge floodwaters during flood events. Regulations for the floodway are more stringent and only uses that do not adversely affect the capacity of the floodway are allowed. The original CUP approval required the removal of all dredge material in the event of flooding so as not to impede the natural drainage or contribute to upstream flooding. As part of the modification design, the project includes permanently designed berms which are only allowed if the modifications will not result in a 0.00 feet of impact to the floodplain.

Barr Engineering performed the required hydraulic modeling analysis to determine the impact of the proposed modifications on the floodway using the HEC-RAS (Hydrologic Engineering Center – River Analysis System) model used by the U.S. Army Corps. of Engineers. The modeling indicated the proposal will not impact the flood elevation by raising or lowering more than 0.00 feet as required with a Minnesota “No-Rise” Certification.

In order to approve a conditional use permit, in accordance with Section 152.031 of the Zoning Ordinance, the following findings must be demonstrated:

- 1. The conditional use will not be detrimental to or endanger the public health, safety, comfort, convenience, or general welfare.**

Barr Engineering has performed the hydraulic modeling and submitted the required “No-Rise” Certification indicating there will not be an impact to the floodway and the proposed dredge site modifications will not be detrimental to or endanger the public health safety, comfort, convenience, or general welfare.

- 2. The conditional use will not be injurious to the use and enjoyment of other property in the vicinity and will not impede the normal and orderly development and improvement of surrounding property for uses permitted in the district.**

The dredge site has been operating for 13 years without being injurious to adjacent properties. The proposed hauling operation is not creating a use that does not already exist in the area and is keeping with the normal and orderly development of surrounding properties.

- 3. The conditional use will be designed, constructed, operated, and maintained in a manner that is compatible in appearance with the existing or intended character of the surrounding area.**

The area along the Minnesota River is comprised of river related industries of which some already have their own private dredging sites. The proposal is very similar and comparable to the existing businesses in the surrounding area and will not change the intended character of the surrounding area.

- 4. The conditional use will not impose hazards or disturbing influences on neighboring properties.**

The dredging operation keeps the river navigable for the adjacent river related industries and will not impose hazards or disturbing influences on adjacent properties.

- 5. The conditional use will not substantially diminish the value of neighboring properties.**

The proposed dredging operation and hauling of material will not affect the value of neighboring properties as the use has already been in existence since 2006 without any negative impacts on property values.

- 6. The site is served adequately by essential public facilities and services, including utilities, access roads, drainage, police and fire protection and schools or will be served adequately as a result of improvements proposed as part of the conditional use.**

The site is adequately served for the proposed dredging operation needs and will not create a burden for the city to provide any additional public services. The dredge operation does not require public utilities; it will not generate students that would affect the capacity of area schools; and would not require any additional police or fire services.

- 7. Adequate measures have been or will be taken to minimize traffic congestion in the public streets and to provide for adequate on-site circulation of traffic.**

Conditions restricting allowable hours for truck hauling and limiting certain traffic movements have been imposed to minimize traffic congestion and provide adequate circulation of traffic on public streets.

8. The conditional use is consistent with the applicable policies and recommendations of the City's Comprehensive Plan or other adopted land use studies.

The CUP is consistent with the policies and goals of the Comprehensive Plan by allowing the Lower Minnesota River Watershed District to modify their dredging operation that keeps the waterway channels navigable for the river related industries located along the Minnesota River.

9. The conditional use, in all other respects, conforms to the applicable regulations of the district in which it is located.

The conditional use complies with the all of the requirements within the Savage Zoning Ordinance.

The Development Review Committee is recommending approval of the conditional use permit amendment contingent on the following conditions:

1. Approval is subject to Engineering's final review and approval of construction and site modification plans. All plans must be signed by a MN Licensed Engineer and prior to final inspection the engineer shall submit as-built plans and an as-built survey.
2. The applicant shall obtain all necessary permits required from the US Corps of Engineers, Minnesota Pollution Control Agency and Minnesota Department of Natural Resources. All wetland permits shall be obtained prior to commencing work.
3. The Lower MN River Watershed District shall be responsible for the upkeep and ongoing maintenance of Vernon Avenue, including plowing and street repairs, unless the City chooses at some point in the future to do so. All costs for roadway improvements and maintenance will be responsibility of LMRWD. The roadway condition, as documented in 2014, shall remain in equal to or better condition
4. There shall be no U turns allowed on TH 13. At no time shall any trucks stack onto TH 13 or any other roadways except Vernon Avenue. Trucks shall be prohibited from blocking railroad tracks.
5. Truck hauling during peak periods shall be limited to the hours of 7 a.m. – 5 p.m. Monday through Friday. Hauling during nights and weekends shall require prior approval from the City.
6. Truck traffic on local roadways shall only be limited to: 1.) empty eastbound trucks returning to the site shall use the south frontage road to Quentin Avenue where they may travel north to the Quentin Avenue stoplight to go westbound on TH 13 to Vernon

Avenue and 2.) loaded trucks exiting the site that need to travel eastbound shall turn left at Dakota Avenue after exiting onto westbound TH 13 and travel east along the south frontage road to Yosemite Avenue to exit onto eastbound TH 13. No other local truck traffic shall be allowed on local roadways.

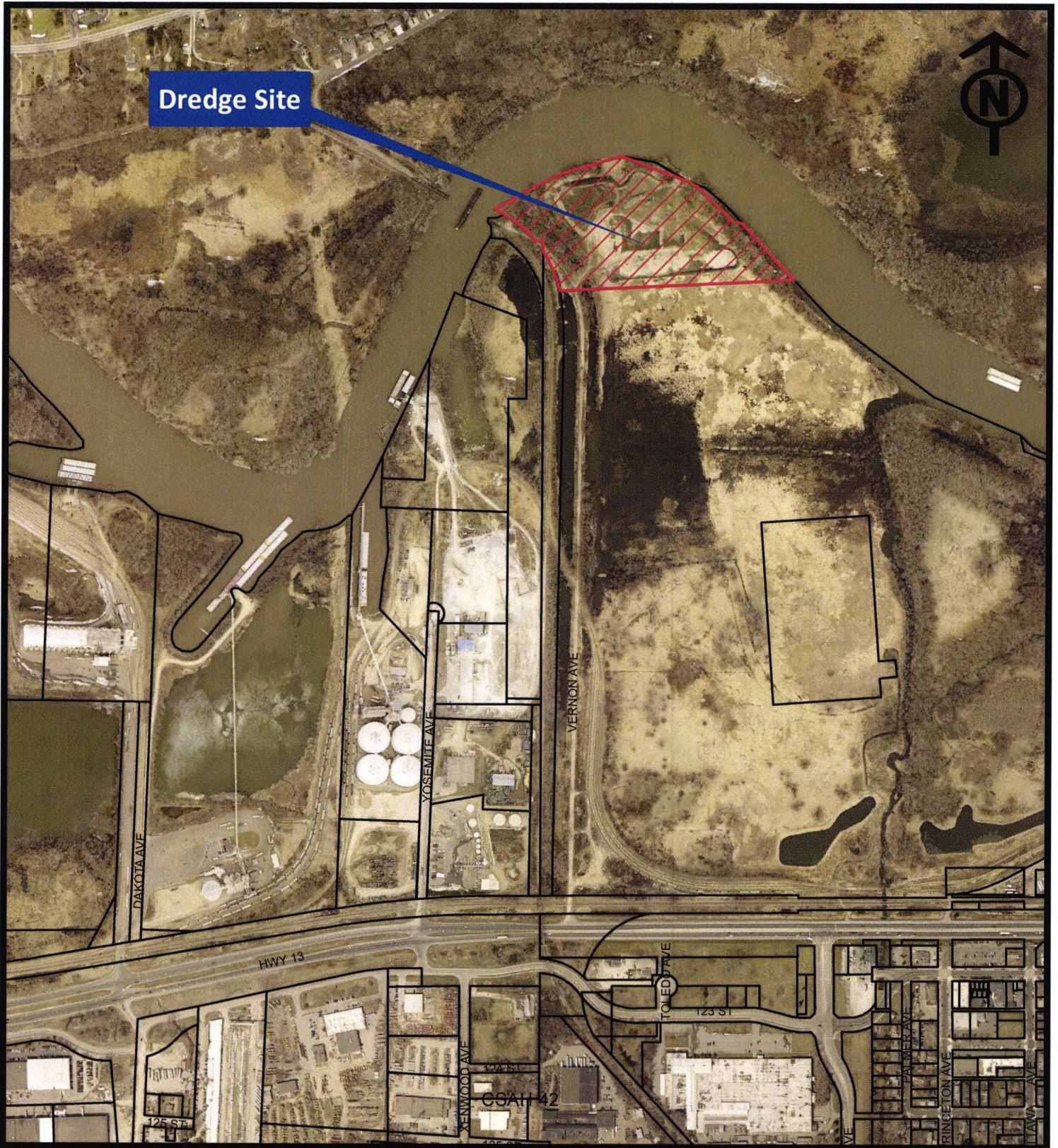
7. Vernon Avenue shall remain open for two-way truck traffic up to the existing gate at the railroad tracks and may be reduced to one-lane truck traffic north of the gate. The shoulders of Vernon Avenue shall be adequate to handle large size trucks and their turning movements.
8. A quarterly report shall be submitted to the City providing detailed information of the dredging operation including but not limited to amount of material removed and added, amounts disposed in landfill, amounts hauled offsite and locations if known, number of truck trips per month, and any other miscellaneous information pertinent to the dredging operation the City may require. The City shall be notified immediately of any truck hauling related accidents.
9. The site modifications and on-going dredging operation shall be done in accordance with the final approved plans and as specified in the hydraulic modeling as part of the "No-Rise" Certification. Any changes shall be brought back to the City for review and approval.

Alternatives:

1. Recommend approval of conditional use permit amendment contingent on DRC conditions.
2. Recommend denial.
3. Table the request for additional information.

Action/Recommendation:

Staff recommends alternative #1.



LOCATION MAP

Lower MN River Watershed District
12020 Vernon Avenue
CUP Amendment



RESOLUTION NO. R-06-~~82~~

RESOLUTION GRANTING CONDITIONAL USE PERMIT
FOR DREDGING AND FILL WITHIN THE FLOODWAY DISTRICT
LOWER MINNESOTA RIVER WATERSHED DISTRICT

WHEREAS, the Lower Minnesota River Watershed District, Chaska, Minnesota, has applied to the City of Savage for a conditional use permit, as required by Section 9-19-4-B(4) of the Savage Zoning Ordinance, to allow for the fill of earthen materials upon a property located in a Floodway District; and

WHEREAS, the applicant has proposed the removal of dredge materials from the Minnesota River, the deposit of such materials upon adjacent property and (when the material has dried) the transport of the material to off-site locations; and

WHEREAS, the subject property, owned by Cargill, Inc., is legally described as follows:

Lots 5 and 6, Auditor's Subdivision No. 1, Savage, Minnesota, a duly recorded plat, Scott County, Minnesota and that part of Lot 1, Auditor's Subdivision No. 3, Savage, Minn., a duly recorded plat, Scott County, Minnesota lying northerly of the following described line and its westerly extension: Commencing at the northeast corner of Section 9, Township 115 North, Range 21 West, Scott County, Minnesota; thence South 00 degrees 03 minutes 13 seconds West, assumed bearing, along the westerly line of said Lot 1 a distance of 55.48 feet; thence southeasterly 237.76 feet along the westerly line of said Lot 1 and along a non tangential curve concave to the southwest having a radius of 647.97 feet and a central angle of 21 degrees 01 minutes 26 seconds, the chord of said curve is 236.43 feet in length and bears South 23 degrees 11 minutes 54 seconds East to the point of beginning of the line to be described; thence North 87 degrees 20 minutes 18 seconds East 1322 feet more or less to the shoreline of the Minnesota River, said shoreline also being the northeasterly line of said Lot 1, and said line there terminating..

WHEREAS, the LMRWD, which already owns 1.2 acres along the northeasterly boundary of the river, has entered into a purchase agreement with Cargill for the purchase of an additional 18.3 acres to store the dredge material; and

WHEREAS, the LMRWD will build an access driveway from Vernon Avenue east to the dredge site, which will impact about .25 acres of wetland; and

WHEREAS, said impact area is, in fact, mostly floodplain forest with no standing water, cattails or normal wetland vegetation; and

WHEREAS, the dredge storage area will encompass a 12-acre portion of the 19.42 acre site, and low berms measuring 3-4 feet in height will be constructed to reduce erosion and sedimentation; and

WHEREAS, analyses indicate that the dredge material consists of a higher portion of fine sand (less silts and clay) and samples indicate no presence of pesticides or PCB's; and

WHEREAS, THE LMRWD is in the process of receiving necessary approvals to allow a portion of wetland to be filled; and

WHEREAS, in the event of flooding, the dredge material must be removed so as not to impede the natural drainage or contribute to flooding upstream; and

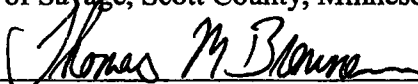
WHEREAS, the application was reviewed by the staff Development Review Committee, by the Planning Commission during a duly authorized public hearing of June 22, 2006, and by the City Council during the meeting of July 10, 2006; and

WHEREAS, the following was determined: the project is necessary for maintenance of a 9-foot navigational channel to accommodate barge travel on the Minnesota River; it is the express duty of the LMRWD to implement a dredged material management plan; the proposed dredge site is not visible from public view and is well screened with existing vegetation and trees; the dredge operation will not produce offensive odors; increased traffic (maximum 15 loads per day) will not cause adverse conditions on Highway 13; the request meets criteria for a conditional use permit as set forth by Section 9-2-7 of the Zoning Ordinance.

NOW THEREFORE, BE IT RESOLVED that the Mayor and Council of the City of Savage, Scott County, Minnesota hereby grant a conditional use permit to the Lower Minnesota River Watershed District, to allow for the placement of dredge materials upon the above described parcel of land, conditioned upon the following:

1. Approval is subject to Engineering Department review and approval of all site, grading, construction and storm water management plans and erosion control plans.
2. The site shall be developed according to those plans submitted by the District. Any changes to such plans shall be brought back to the City for further consideration and approval.
3. No grading shall be allowed within required wetland buffers and vegetation must remain as natural wetland grasses.
4. Wetland delineation and mitigation plans shall be approved by the Savage City Council.
5. Once the dredging operation has ended, the District shall be responsible to remove the material and restore the site to a height not to exceed 720 feet and seed the site with native vegetative species approved by the Natural Resources Coordinator.
6. The City will not be responsible for the upkeep and ongoing maintenance of Vernon Avenue unless the City chooses at some point in the future to do so. If the District decides it needs such upkeep and ongoing maintenance of Vernon Avenue, the District will provide such upkeep and ongoing maintenance at its expense.
7. The City shall be provided with the correct key for the access gate.
8. The conditional use permit shall be recorded with the Scott County Recorder's Office.

Adopted by the Mayor and Council of the City of Savage, Scott County, Minnesota this tenth day of July, 2006.


Thomas M. Brennan, Mayor

Attest:


Barry A. Stock
City Administrator

Motion by Williams

Second by McColl
Brennan aye Victorey aye
Williams aye McColl aye
Abbott aye

RESOLUTION NO. R-14-83

RESOLUTION APPROVING AMENDMENT TO CONDITIONAL USE PERMIT
ALLOWING DREDGING AND FILL WITHIN THE FLOODWAY DISTRICT
LOWER MINNESOTA RIVER WATERSHED DISTRICT
12020 VERNON AVENUE

WHEREAS, the Lower Minnesota River Watershed District (LMRWD) has applied to the City of Savage for an amendment to their original conditional use permit (CUP) granted by Resolution No. 06-82 on July 10, 2006 that allowed for the placement of dredging materials within the Floodway District on the following legally described property:

Lots 5 and 6, Auditor's Subdivision No. 1, Savage, Minnesota, a duly recorded plat, Scott County, Minnesota and that part of Lot 1, Auditor's Subdivision No. 3, Savage, Minnesota, a duly recorded plat, Scott County, Minnesota lying northerly of the following described line and its westerly extension: Commencing at the northeast corner of Section 9, Township 115, North, Range 21 West, Scott County, Minnesota; thence South 00 degrees 03 minutes 13 seconds west, assumed bearing, along the westerly line of said Lot 1 a distance of 55.48 feet; thence southeasterly 237.76 feet along the westerly line of said Lot 1 and along a non tangential curve concave to the southwest having a radius of 647.97 feet and a central angle of 21 degrees 01 minutes 26 seconds, the chord of said curve is 236.43 feet in length and bears South 23 degrees 11 minutes 54 seconds east to the point of beginning of the line to be described; thence north 87 degrees 20 minutes 18 seconds east 1322 feet more or less to the shoreline of the Minnesota River, said shoreline also being the northeasterly line of said Lot 1, and said line there terminating.

WHEREAS, the US Army Corps of Engineers dredges accumulated sediment the Minnesota River to keep open the 9-foot navigational channel to allow for barge transportation and the LMRWD is required to provide and manage a placement site for the dredge materials; and

WHEREAS, in 2006, the LMRWD purchased 18 acres and was granted a CUP for a placement site located along on the east side of Vernon Avenue and due to recent difficulties in finding uses for the dredge material, the stockpile had grown to approximately 110,000 cubic yards from dredging operation occurring from 2008 through 2011; and

WHEREAS, recent soil boring tests has found the dredge materials contains more sand than originally thought and the LMRWD has found a contractor, Rachel Contracting, willing to purchase the material to be used for soil corrections in construction projects; and

WHEREAS, the 2006 CUP conditions limited truck traffic to 15 trucks per day; and

WHEREAS, the truck traffic limitation does not allow the removal process to be cost-effective for a contractor to utilize the stockpile for construction projects due to the large volume of material needed and short time frames allowed for construction projects; and

WHEREAS, the LMRWD proposes to reduce the stockpile to a more manageable size by removing the 110,000 cubic yards over the next three construction seasons in addition to approximately 20,000 to 30,000 cubic yards of new dredge material the US Army Corps of Engineers will need to place per year; and

WHEREAS, approximately 38,000 cubic yards need to be removed per season to downsize the stockpile which results in approximately 20 hauling days with up to 300 truck loads hauled per day; and

WHEREAS, after the stockpile has been reduced to a manageable level, it is anticipated that approximately 10 hauling days per year will be need to remove the dredge materials each season; and

WHEREAS, the Vernon Avenue access from TH 13 is a right-in/right-out only turning movement and the City required the applicant to submit a Traffic Impact Study to evaluate truck traffic circulation and proposed impact on TH 13 traffic volumes; and

WHEREAS, staff worked with the applicant on truck traffic routes that would have the least impact to local roadways; and

WHEREAS, the Minnesota River provides barge navigation for several of the world's largest grain marketing companies who operate terminals along the river and the need to remove dredge materials to allow continual dredging of the river to move barge traffic is critical to the economic vitality of these industries; and

WHEREAS, the request was reviewed by the Development Review Committee and new conditions of approval have been included to achieve the goal of reducing the dredge stockpile to a manageable level with the least amount of impact; and

WHEREAS, the following findings are hereby adopted in accordance with Section 152.031 of the Zoning Ordinance:

- 1. The conditional use will not be detrimental to or endanger the public health, safety, comfort, convenience, or general welfare.**

The City required the applicant to conduct a traffic impact study to provide an analysis of the potential impacts the increased hauling operations will have. The study completed by SEH did not indicate any factors that would be detrimental or endanger public health and conditions are being applied to prohibit certain traffic movements.

- 2. The conditional use will not be injurious to the use and enjoyment of other property in the vicinity and will not impede the normal and orderly development and improvement of surrounding property for uses permitted in the district.**

TH 13 already experiences large truck traffic due to the type of industries located along the roadway. The proposed hauling operation is not creating a use that does not already exist in the area and is keeping with the normal and orderly development of surrounding properties.

- 3. The conditional use will be designed, constructed, operated, and maintained in a manner that is compatible in appearance with the existing or intended character of the surrounding area.**

The area along the Minnesota River is comprised of river related industries of which some already have their own private dredging sites. The proposal is very similar and comparable to the existing businesses in the surrounding area and will not change the intended character of the surrounding area.

- 4. The conditional use will not impose hazards or disturbing influences on neighboring properties.**

The proposed dredging operation and increase in truck traffic won't impose any hazards or disturbing influences on the surrounding area because commercial truck traffic already exists along the TH 13 corridor.

- 5. The conditional use will not substantially diminish the value of neighboring properties.**

The proposed dredging operation and hauling of material will not affect the value of neighboring properties as the use has already been in existence since 2006 without any negative impacts on property values.

- 6. The site is served adequately by essential public facilities and services, including utilities, access roads, drainage, police and fire protection and schools or will be served adequately as a result of improvements proposed as part of the conditional use.**

The site is adequately served for the proposed dredging operation needs and will not create a burden for the city to provide any additional public services. Hauling of the dredge material

will not require public utilities; it will not generate students that would affect the capacity of area schools; and would not require any additional police or fire services.

7. Adequate measures have been or will be taken to minimize traffic congestion in the public streets and to provide for adequate on-site circulation of traffic.

The traffic impact study provided an analysis for staff to apply limitations and conditions regarding allowable hours of operation for truck traffic and limiting certain traffic movements to minimize traffic congestion and provide adequate circulation of traffic on public streets.

8. The conditional use is consistent with the applicable policies and recommendations of the City's Comprehensive Plan or other adopted land use studies.

The CUP is consistent with the policies and goals of the 2030 Comprehensive Plan by allowing the Lower Minnesota River Watershed District to continue their dredging operation that keeps the waterway channels open for navigation for the river related industries located along the Minnesota River.

9. The conditional use, in all other respects, conforms to the applicable regulations of the district in which it is located.

The conditional use complies with the all of the requirements within the Savage Zoning Ordinance.

WHEREAS, the application was reviewed by the Development Review Committee and by the Planning Commission during a duly authorized public hearing on June 19, 2014 whereby it was determined the request met the required findings for a conditional use permit as set forth in Section 152.031 of the Savage Zoning Ordinance;

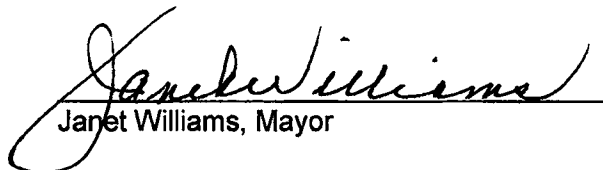
NOW THEREFORE, BE IT RESOLVED that the recitals set forth above are incorporated herein; and

NOW THEREFORE, BE IT RESOLVED that the Mayor and Council of the City of Savage, Scott County, Minnesota, hereby amend the conditional use permit for the Lower Minnesota River Watershed District, subject to the following conditions:

1. Approval is subject to Engineering Department review and approval of all site, grading, construction, and storm water management plans and erosion control plans
2. No grading shall be allowed within required wetland buffers and vegetation must remain as natural wetland grasses.
3. Once the dredging operation has ended, the District shall be responsible to remove the material and restore the site to a height not to exceed 720 feet and seed the site with native vegetative species approved by the Natural Resources Coordinator.
4. The District shall be responsible for the upkeep and on-going maintenance of Vernon Avenue, including any plowing and the road shall be left in equal to or better condition after the 3rd hauling season is completed in 2017. The road's existing condition shall be documented before hauling begins and a meeting on-site with city staff shall be required to determine what restoration is needed to bring the road to the original condition. Final restoration, at a minimum, will include patching with bituminous.
5. The City shall be provided with 24 hour notification of hauling days.
6. There shall be no U turns allowed on TH 13. At no time shall any trucks stack onto TH 13 or any other roadways except Vernon Avenue. Trucks shall be prohibited from blocking railroad tracks.

7. Truck hauling during peak periods shall be limited to the hours of 7 am – 5 pm Monday through Friday. Hauling during nights and weekends shall be with permission only from the City Engineer/Public Works Director.
8. Truck traffic on local roadways shall only be limited to: 1.) empty eastbound trucks returning to the site shall use the south frontage road to Quentin Avenue where they may travel north to the Quentin Avenue stoplight to go eastbound on TH 13 to Vernon Avenue and 2.) loaded trucks exiting the site that need to travel eastbound shall turn left at Dakota Avenue after exiting onto westbound TH 13 and travel east along the south frontage road to Yosemite Avenue to exit onto eastbound TH 13. No other local truck traffic shall be allowed on local roadways.
9. Vernon Avenue shall remain open for two-way truck traffic up to the existing gate at the railroad tracks and may be reduced to one-lane truck traffic north of the gate. The shoulders of Vernon Avenue shall be adequate to handle large size trucks and their turning movements.
10. A monthly report shall be submitted to the City for any month in the calendar year that incurs removal of dredge material. The report shall provide detailed information of the amounts removed, number of trucks hauled, contractor removing material, truck accidents and any other miscellaneous information that may be pertinent to the hauling operation. Information regarding the addition of new dredge material added to the stock pile site shall be provided to the City as they become available.
11. Sediment deposit on public streets as a result of such hauling shall be removed and streets cleaned as required by City staff.
12. The CUP will be formally reviewed by the Planning Commission and City Council after the first hauling season is completed to address any issue that may arise and to possibly add additional conditions regarding the truck hauling operations.

Adopted by the Mayor and Council of the City of Savage, Scott County, Minnesota, this 7th day of July 2014.


 Janet Williams, Mayor

ATTEST:



 Barry A. Stock
 City Administrator

Motion by: _____ Abbott

Second by: _____ McCall

| | <u>Aye</u> | <u>Nay</u> |
|----------|------------|------------|
| Williams | <u>X</u> | _____ |
| McCall | <u>X</u> | _____ |
| Victorey | <u>X</u> | _____ |
| Abbott | <u>X</u> | _____ |
| Kelly | <u>X</u> | _____ |

Unload location:
Commercial slips

Unload location:
USACE operations

Cell 2
Dredge material from
USACE dredging operations

Cell 1
Dredge material from
commercial slips

Cell 3
Additional storage space
Secondary storage for
continued dewatering

Legend:

- Access Road
- Cell 1
- Cell 2
- Cell 3
- Project Boundary
- Mn River Centerline

Scale: 0 100 200 Feet
1 inch = 200 feet

North arrow icon

DREDGE SITE
PROJECT AREA





Technical Memorandum

To: Della Schall Young, Young Environmental Consulting Group
From: Jeff Weiss, Barr Engineering Co.
Subject: Minnesota River No-Rise Certification Evaluation - DRAFT
Date: March 8, 2019
Project: 23701082

The purpose of this memorandum is to provide a summary of the evaluation of potential impacts of the proposed modifications to the Cargill East River Dredge Material Site (Dredge Site) on the modeled water surface elevations for 1% Annual Exceedance Probability Flood, commonly referred to as the 100-year flood, on the Minnesota River. The Dredge Site Project will require information that supports a Minnesota "No-Rise" Certification, which certifies the project will have not result in a modification of the flood plain by more than 0.00 feet. The memorandum summarizes the analysis completed to determine the conditions for which a "No-Rise" Certification can be achieved.

Project Overview and Study Area

The purpose of the Dredge Site Project is to establish permanent berms and facilities to store and dewater dredge material generated from the Minnesota River and nearby commercial facilities. Dredge material is current stored at the site on a temporary basis; however, the Dredge Site Project will establish a permanent configuration for stored materials. Background information on the Dredge Site Project is included in a technical memorandum from Burns & McDonnell and Young Environmental Consulting Group, dated February 15, 2017, and the Cargill East River (MN – 14.2 RMP) Dredge Material Site Management Plan (Lower Minnesota River Watershed District, 2013).

The study area is on the floodplain of the Minnesota River, near the Soo Line Railroad Bridge in Savage, MN (Figure 1). The main study area was concentrated between rivers stations 35 and 39; however, as discussed in the hydraulic analysis section below, the analysis reviewed modeling results further upstream of River Station 39.

Hydraulic Analysis

The hydraulic analysis utilized the HEC-RAS model (version 5.0.6) used by the U.S. Army Corps of Engineers (USACE) to develop the effective floodplain for the Minnesota River within the study area. The USACE developed the base model in 2004 (see Attachment A). The original model configuration was preserved as a reference, and to be consistent with other FEMA floodplain analyses the original configuration is referred to as the Duplicate Effective Model.

Barr Engineering Co. (Barr) modified the Duplicate Effective Model to more accurately model existing conditions at and near the Dredge Material Site. The modified model is referred to as the Corrected Effective Model and is used as a basis of comparison for the Proposed Conditions Model. The focused area of study is shown in Figure 1.

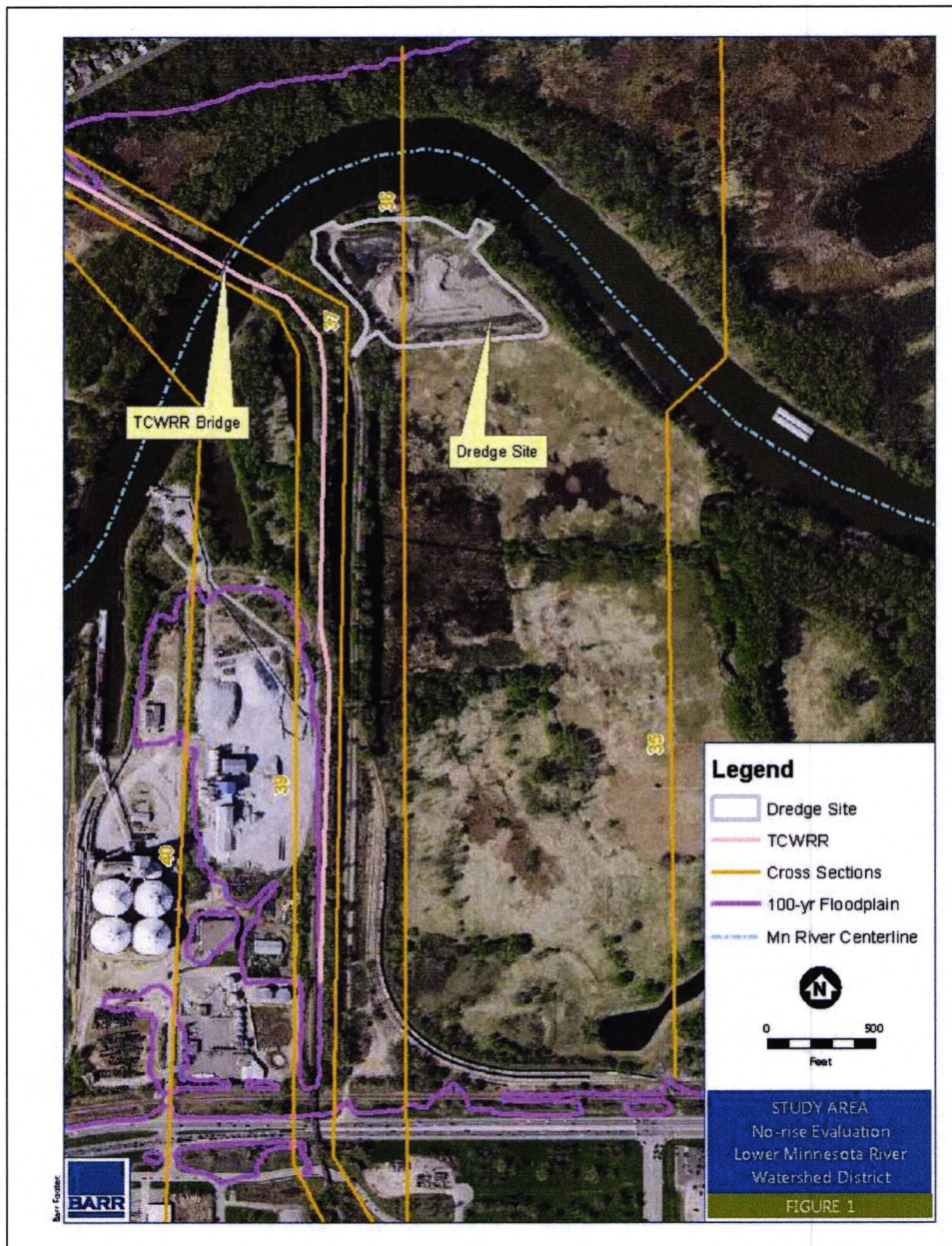


Figure 1 – Dredge site study area between cross sections 35 and 39.

The following bullet points highlight key modifications to create the Corrected Effective Model:

- Ineffective flow areas upstream and downstream of the TCWRR Bridge were modified to more accurately model the flow at the bridge
- Manning's n roughness values were adjusted in some areas to reflect existing vegetation cover.
- Additional cross sections were added in the study area to more accurately model transitions between different topographic features.

All other aspects of the model (e.g. flows, boundary conditions, modeling parameters, etc.) were left unchanged between the duplicate effective and corrected effective models. However, one feature that should be noted is that neither the Duplicate Effective Model nor the Corrected Effective Model include the temporary berms and dredge material that is often on site.

Ineffective flow areas

The modifications to the ineffective flow areas were the most significant change made to the Corrected Effective Model and warrant additional discussion. The ineffective flow areas were initially adjusted by using guidelines in the Bridge Hydraulic Analysis with HEC-RAS (USACE, 1996). The ineffective flow areas were further modified to more accurately account for the specific flow characteristics regarding depth of overtopping flow and the height of the railroad in relation to the floodplain. The top of the railroad is significantly higher (~16 feet) than much of the adjacent floodplain. If flood flows remain below the top of the railroad, then the railroad creates a significant "shadow" where most of the water adjacent to the railroad is effectively backwater and not actively flowing. A portion of the railroad and bridge is overtopped by a relatively small depth (~2.5 feet on average) during the 100-year flood; however the depth of overtopping the railroad is significantly smaller than the elevation difference between the top of the railroad and the adjacent floodplain. To accurately account for the effective flow area upstream and downstream of the bridge, the effective flow and ineffective flow areas were modeled in the following ways:

- The expansion and contraction of the effective flow areas were modeled using guidelines in Bridge Hydraulic Analysis with HEC-RAS (USACE, 1996)
- The area of effective flow above the top of the bridge due to overtopping flows was preserved in upstream and downstream cross sections
- Areas of ineffective flow were preserved if they were too far from the bridge opening to be effective flow or too far below the elevation of the overtopping railroad and bridge to be effective flow.

The difference in the modeled ineffective flow areas for the Duplicate Effective Model and the Corrected Effective Model are illustrated in Figures 2 and 3.

To: Della Schall Young, Young Environmental Consulting Group
From: Jeff Weiss, Barr Engineering Co.
Subject: Minnesota River No-Rise Certification Evaluation - DRAFT
Date: March 8, 2019
Page: 4

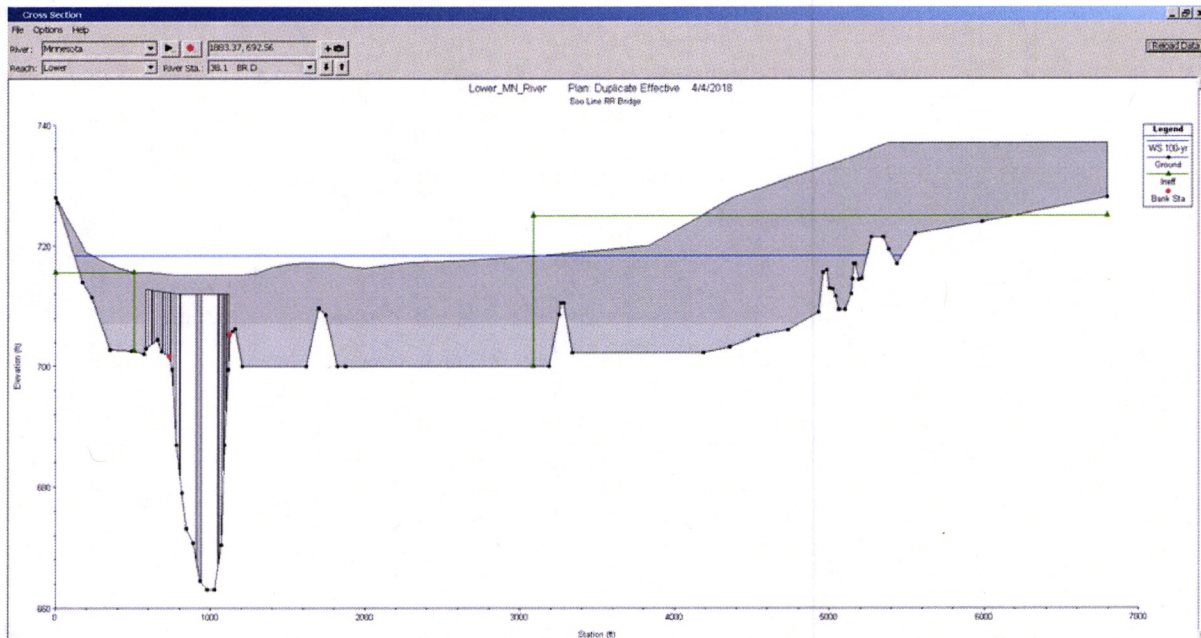


Figure 2 – Cross Section at Railroad Bridge in Duplicate Effective Model. Note little ineffective flow area (inside green outline) below the top of the railroad

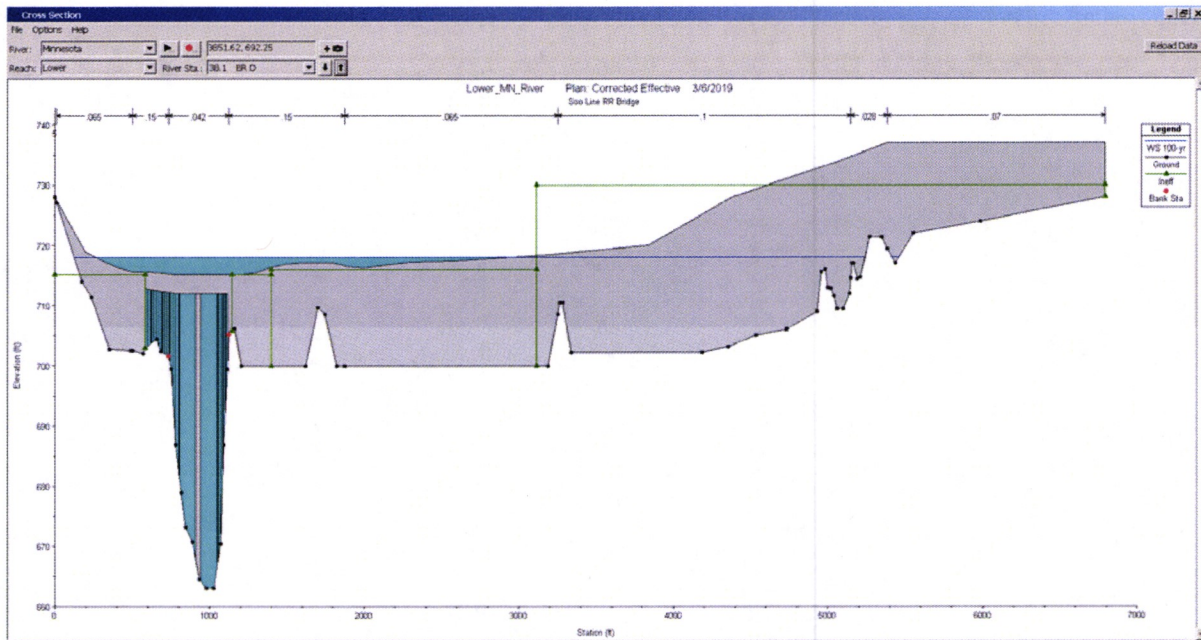


Figure 3 – Cross Section at Railroad Bridge in Corrected Effective Model. Note added ineffective flow area (green outlines) below the top of the railroad

Proposed Conditions Model

The modifications made to create the Corrected Effective Model were carried forward to the Proposed Conditions Model such that the only changes made to the proposed conditions model was to add the proposed permanent storage and dewatering areas for dredge materials. The comparison of existing and proposed cross sections is shown in Figures 4 and 5 on the following page.

Table 1 includes the comparison of modeled water surface elevations for the Corrected Effective and Proposed conditions models. The no-rise certification requires a change of no more than 0.00 for any modeled water surface elevation. The proposed berm elevations are 715.0 for the northtwo western storage areas and 706.0 feet for the eastern storage area. These initial berm elevations were found to create changes to the modeled 100-year floodplain, so the berm elevations were modified iteratively until the maximum elevations were found that would also comply with the criteria to complete a No-Rise Certification. Table 1 shows the modeling results for the project area.

Table 1 HEC-RAS model results for water surface elevations within the study area

| River Station | | 35 | 35.5 ^a | 35.75 ^a | 36 | 36.5 ^a | 37 | TCWRR Bridge | 39 | 40 |
|---------------|---------------------|--------|-------------------|--------------------|--------|-------------------|--------|--------------|--------|--------|
| 1% AEP Event | Corrected Effective | 717.36 | 717.41 | 717.45 | 717.53 | 717.67 | 717.75 | | 718.00 | 718.61 |
| | Proposed | 717.36 | 717.41 | 717.45 | 717.53 | 717.67 | 717.75 | | 718.00 | 718.61 |
| | Difference | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 |
| Floodway | Corrected Effective | 717.58 | 717.62 | 717.67 | 717.73 | 717.91 | 717.98 | | 718.18 | 718.78 |
| | Proposed | 717.58 | 717.62 | 717.66 | 717.73 | 717.91 | 717.98 | | 718.18 | 718.78 |
| | Difference | 0.00 | 0.00 | -0.01 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 |

^a – Cross section added to more accurately model the project area

The no-rise certification requires no more than a 0.00 change in the water surface elevation for any modeled cross section for both the 1% AEP Event and the Floodway. As can be seen in Table 1, this criteria is met for all cross sections except for cross section 35.75, where the proposed conditions model results have a decrease of 0.01 feet for the Floodway model. When the model results are expanded to more decimal places, the modeled water surface elevations for the corrected effective and proposed conditions for the Floodway model are 717.6660 and 717.6649, respectively. Therefore, the difference in the modeled water surface elevation is only 0.0011 feet and the difference shown in Table 1 is attributed to rounding. The HEC-RAS model results are both the 1% AEP Event and the Floodway model are included as attachments A and B to this memorandum.

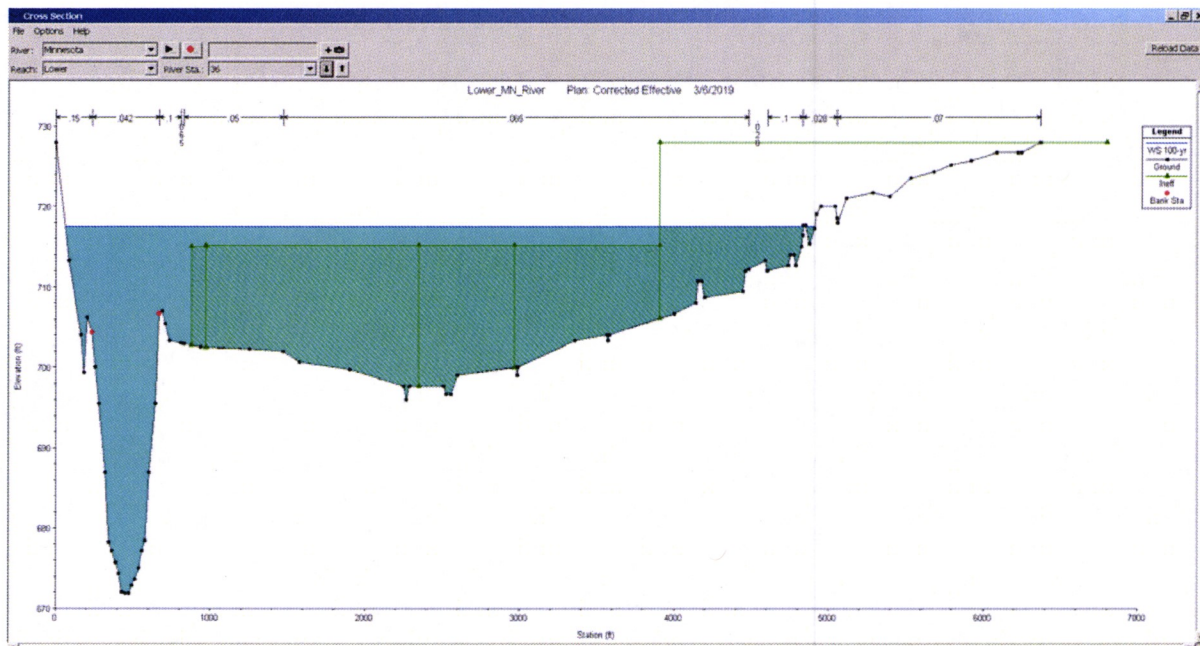


Figure 4 – Cross Section at River Station 36 in Corrected Effective Model. Green hatch areas are ineffective flow areas.

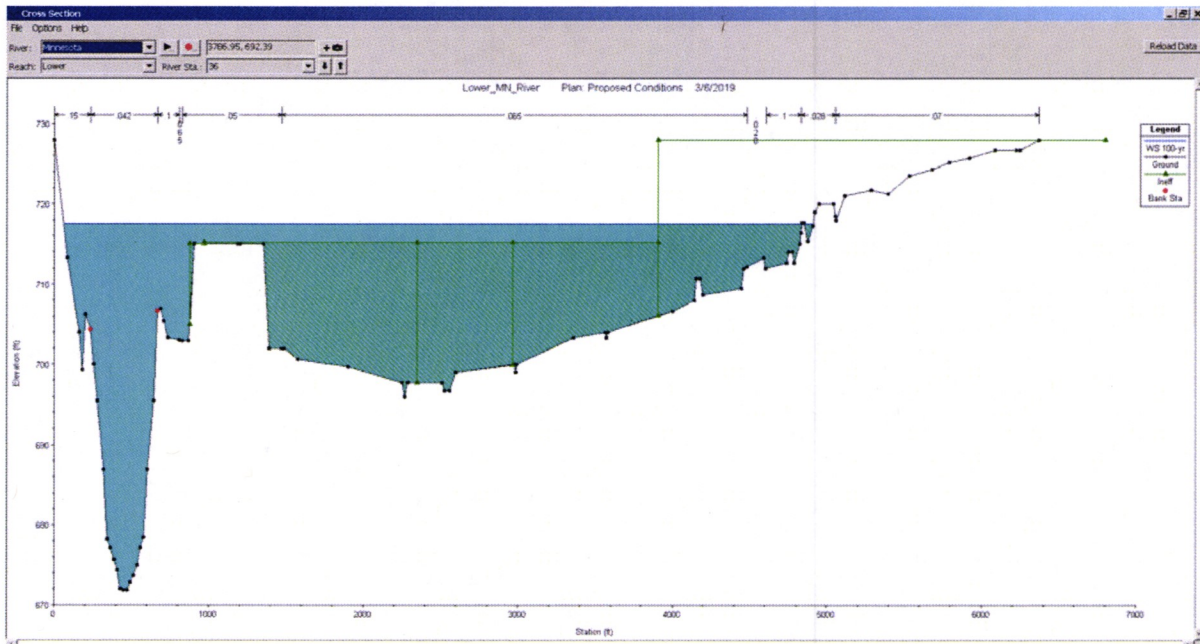


Figure 5 - Cross Section at River Station 36 in Proposed Conditions Model. Green hatch areas are ineffective flow areas. Ground was modified to show proposed berms and storage areas

To: Della Schall Young, Young Environmental Consulting Group
From: Jeff Weiss, Barr Engineering Co.
Subject: Minnesota River No-Rise Certification Evaluation - DRAFT
Date: March 8, 2019
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Conclusion

The proposed project to construct permanent berms within the project area will not cause an increase in modeled flood elevations, and a no-rise certification is justified.

References

Burns & McDonnell, Technical Memorandum, February 15, 2017

LMRWD. January 2013. "Cargill East River (MN – 14.2 RMP) Dredge Material Site Management Plan"
Lower Minnesota River Watershed District.

USACE. April 1996. "Bridge Hydraulic Analysis with HEC-RAS" TP – 151. US Army Corps of Engineers
Institute for Water Resources, Hydrologic engineering Center, Davis, CA

Attachments:

Attachment A: HEC-RAS model results for the 1% AEP Event
Attachment B: HEC-RAS model results for the Floodway model
Attachment C: Minnesota "No-Rise" Certification

MINNESOTA "NO-RISE" CERTIFICATION

This is to certify that I am a duly qualified professional engineer licensed to practice in the State of Minnesota.

It is further to certify that the attached technical data supports the fact that the proposal

to construct a permanent dredge
material management site

(development name / short project description)

will not impact the floodway width or 100-year flood elevation (will not raise or lower by more than 0.00 feet) on the Minnesota River (Name of stream) at published sections in the Flood Insurance Study for Savage (Name of Community) dated _____ (Study Date) and will not impact the 100-year flood elevation (will not raise or lower by more than 0.00 feet) at unpublished cross-sections in the vicinity of the proposed development / project.

Attached are the following documents that support my findings:

HEC-RAS output tables

Summary memorandum

Date: 3/8/19

Signature: [Signature] PE 48031 {SEAL}

Title: Sr. Water Resources Engineer

TOPOGRAPHIC SURVEY

LOWER MINNESOTA RIVER WATERSHED DISTRICT, DREDGE SITE

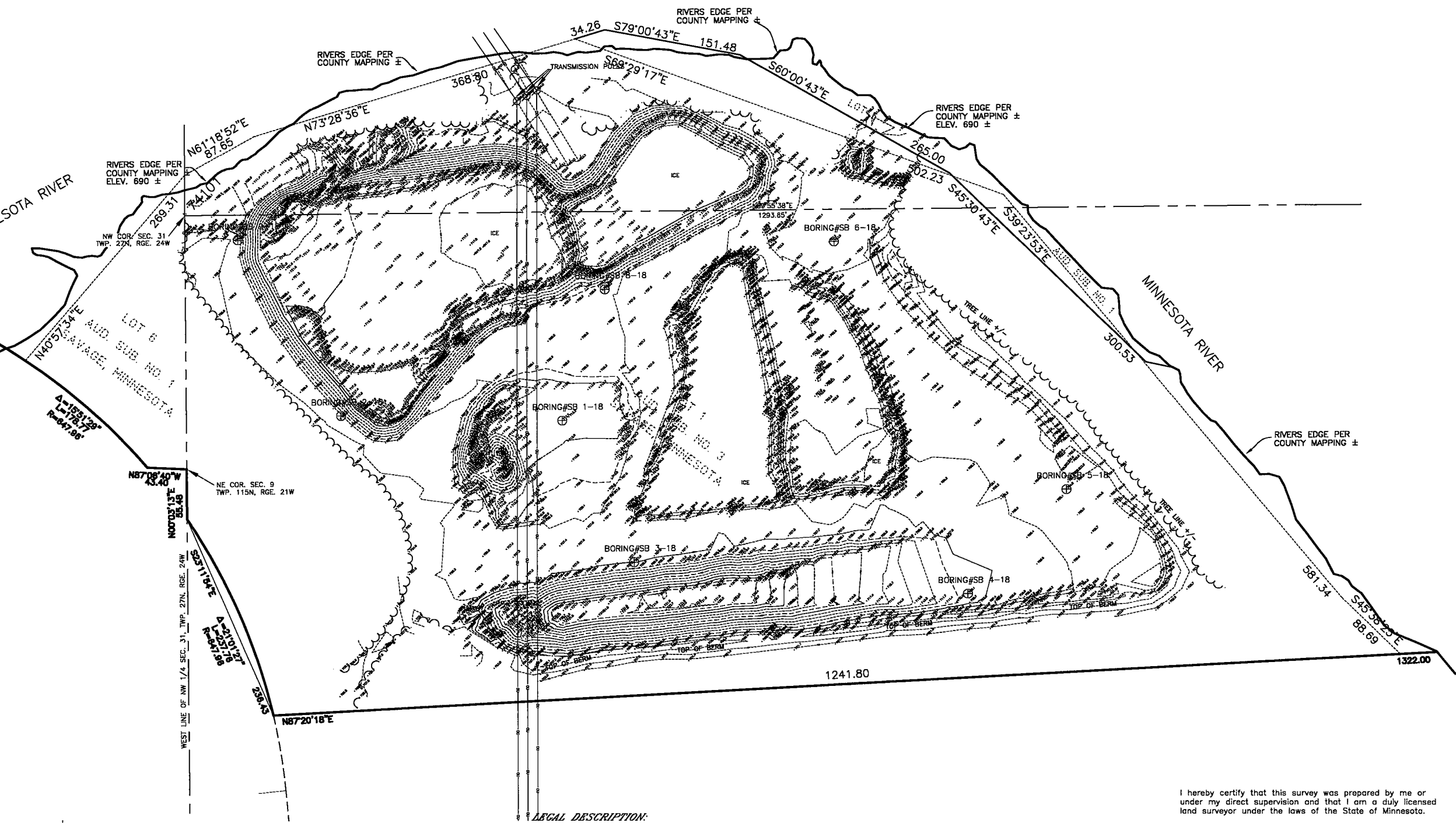
12020 VERNON AVENUE, SAVAGE, MN 55378

LEGEND

- ◆ FIRE HYDRANT
- ⊙ WATER VALVE
- MANHOLE
- CATCH BASIN
- ⊕ POWERPOLE
- ⊛ LIGHT POLE
- GUY
- ⊠ TRANSFORMER
- ⊞ ELECTRIC METER
- ⊞ TV PEDestal
- ⊞ TELEPHONE PEDestal
- ⊞ AIR CONDITIONER
- ⊞ HAND HOLE
- ⊞ SEMAPHORE
- ⊞ GAS METER
- S SANITARY SEWER
- ST STORM SEWER
- W WATERMAIN
- G UNDERGROUND GAS MAIN
- T UNDERGROUND TELEPHONE
- E UNDERGROUND ELECTRIC
- TV UNDERGROUND CABLE TV
- OU OVERHEAD UTILITY LINES
- IRON MONUMENT FOUND
- IRON PIPE MONUMENT SET
- EXISTING SPOT ELEVATION
- SOIL BORING
- ▲ SIGN
- DECIDUOUS TREE
- CONIFEROUS TREE
- DENOTES TREE AND BRUSH LIMITS
- DENOTES PROPOSED DRAINAGE ARROW
- (+4.00) DENOTES PROPOSED ELEVATION
- CURB STOP
- CLEAN OUT
- BUSH
- ⊞ BARBECUE GRILL
- AUTO SPRINKLER
- BASKETBALL HOOP
- BENCH
- WATER SPROUT
- TRENCH DRAIN
- MONITORING WELL
- STORM DISPATER
- SATELLITE DISH
- TELEPHONE
- ELECTRIC PEDestal
- FLAG POLE
- GROUND LITE
- MAILBOX
- ROOF BRACH
- TRANSMISSION TOWER
- VENT PIPE
- WELL
- DENOTES ELEC. LINE
- DENOTES FENCE LINE
- DENOTES FIBER OPTIC
- DENOTES GAS LINE
- DENOTES SANITARY SEWER
- DENOTES STORM SEWER
- DENOTES TELEPHONE LINE
- DENOTES TV LINE
- DENOTES OVERHEAD UTL.
- DENOTES WATERMAIN
- DENOTES WETLAND
- DENOTES RAIL ROAD

Alterations to this drawing are prohibited without the express written permission of PTS Land Services, Inc.

This survey reflects above ground indications of utilities and information available from asbuilt drawings. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated, although he does certify that they are located as accurately as possible from information available. The surveyor has not physically located underground utilities.



SURVEYORS NOTES:

- THIS SURVEY IS BASED ON THE FOLLOWING:
1. HORIZONTAL: NADB3(1996) MINNESOTA STATE PLANE--SOUTH ZONE.
 2. VERTICAL: NAVD83
- BENCHMARKS USED:
- MNDOT STATIONS ; BORN 2013 AND 7001 BA 2013 FOR HORIZONTAL AND VERTICAL ADJUSTMENT.
3. LEGAL DESCRIPTION AND BOUNDARY INFORMATION SUPPLIED BY THE CITY OF SAVAGE.

LEGAL DESCRIPTION:

Lots 5 and 6, Auditor's Subdivision No. 1, Savage, Minnesota, a duly recorded plat, Scott County, Minnesota and that part of Lot 1, Auditor's Subdivision No. 3, Savage, Minnesota, a duly recorded plat, Scott County, Minnesota lying northerly of the following described line and its westerly extension: Commencing at the northeast corner of Section 9, Township 115, North, Range 21 West, Scott County, Minnesota; thence South 00 degrees 03 minutes 13 seconds west, assumed bearing, along the westerly line of said Lot 1 a distance of 55.48 feet; thence southeasterly 237.76 feet along the westerly line of said Lot 1 and along a non tangential curve concave to the southwest having a radius of 647.97 feet and a central angle of 21 degrees 01 minutes 26 seconds, the chord of said curve is 236.43 feet in length and bears South 23 degrees 11 minutes 54 seconds east to the point of beginning of the line to be described; thence north 87 degrees 20 minutes 18 seconds east 1322 feet more or less to the shoreline of the Minnesota River, said shoreline also being the northeasterly line of said Lot 1, and said line there terminating.

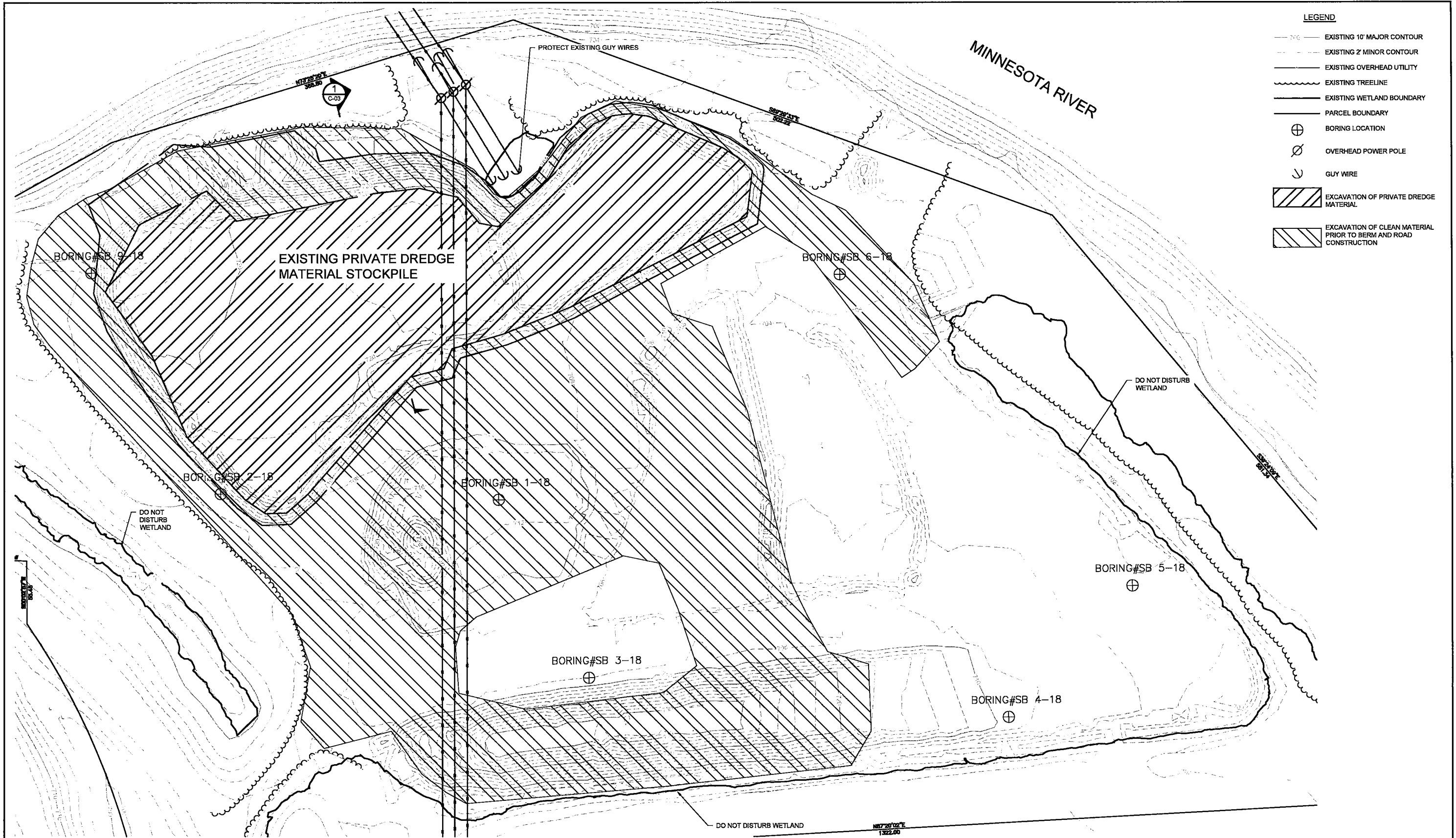
I hereby certify that this survey was prepared by me or under my direct supervision and that I am a duly licensed land surveyor under the laws of the State of Minnesota.

Signed the 9th day of January, 2019

Timothy S. Peterson

Timothy S. Peterson
Minnesota License No. 45332
For PTS Land Services, Inc.
REVISED 6-27-19 BOUNDARY AND LEGAL DESCRIPTION

PTS LAND SERVICES, INC.
COMPLETE LAND SURVEYING SERVICES



LEGEND

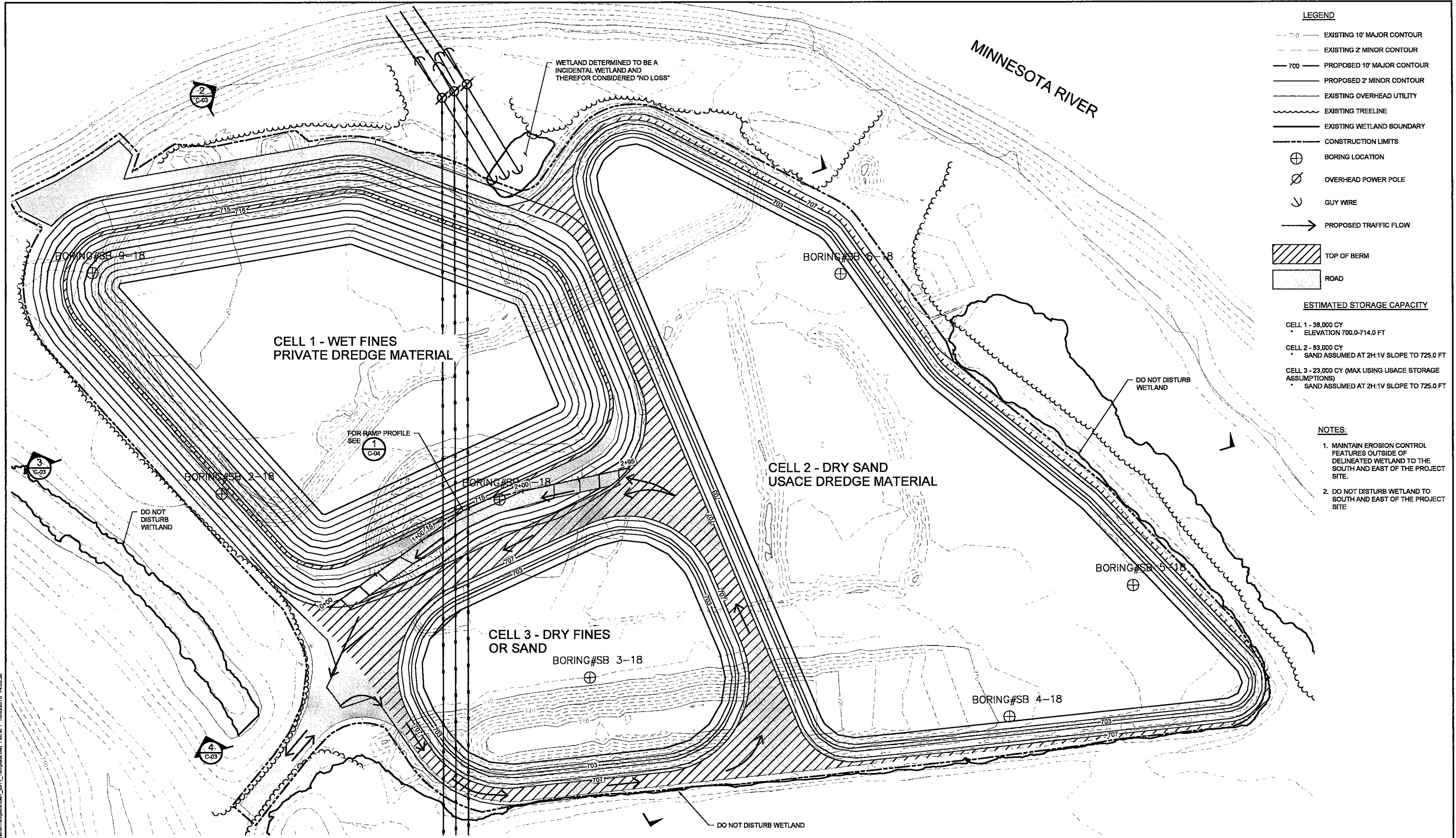
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- 2' MINOR CONTOUR
- EXISTING OVERHEAD UTILITY
- ~ EXISTING TREELINE
- EXISTING WETLAND BOUNDARY
- PARCEL BOUNDARY
- ⊕ BORING LOCATION
- ⊗ OVERHEAD POWER POLE
- ∩ GUY WIRE
- ▨ EXCAVATION OF PRIVATE DREDGE MATERIAL
- ▨ EXCAVATION OF CLEAN MATERIAL PRIOR TO BERM AND ROAD CONSTRUCTION

1 PLAN: EXISTING DREDGE STOCKPILES
 SCALE IN FEET
 0 40 80

90% FOR PERMITTING
 NOT FOR CONSTRUCTION

| THEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT 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. PRINTED NAME: JEFFERY WEISS SIGNATURE: _____ DATE: 05/02/2019 LICENSE # 48031 | | | | CLIENT: 02/08/19 BID: _____ CONSTRUCTION PERMIT: 02/28/19 05/02/19 RELEASED TO/FOR: _____ DATE RELEASED: _____ | | | | Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435 Ph: 1-800-632-2277 Fax: (652) 832-2601 www.barr.com | | | | Scale: AS SHOWN Date: 01/17/2019 Drawn: ATS Checked: JLB2 Designed: ATS Approved: JDW | | | | LOWER MINNESOTA RIVER WATERSHED DISTRICT | | | | DREDGE STOCKPILES AREAS SAVAGE, MINNESOTA | | | | BARR PROJECT No. 23701082.00 CLIENT PROJECT No. _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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 - PROPOSED 2' MINOR CONTOUR
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 - EXISTING TREELINE
 - EXISTING WETLAND BOUNDARY
 - CONSTRUCTION LIMITS
 - ⊕ BORING LOCATION
 - ⊗ OVERHEAD POWER POLE
 - ⤵ GUY WIRE
 - ➔ PROPOSED TRAFFIC FLOW
 - ▨ TOP OF BERM
 - ▭ ROAD

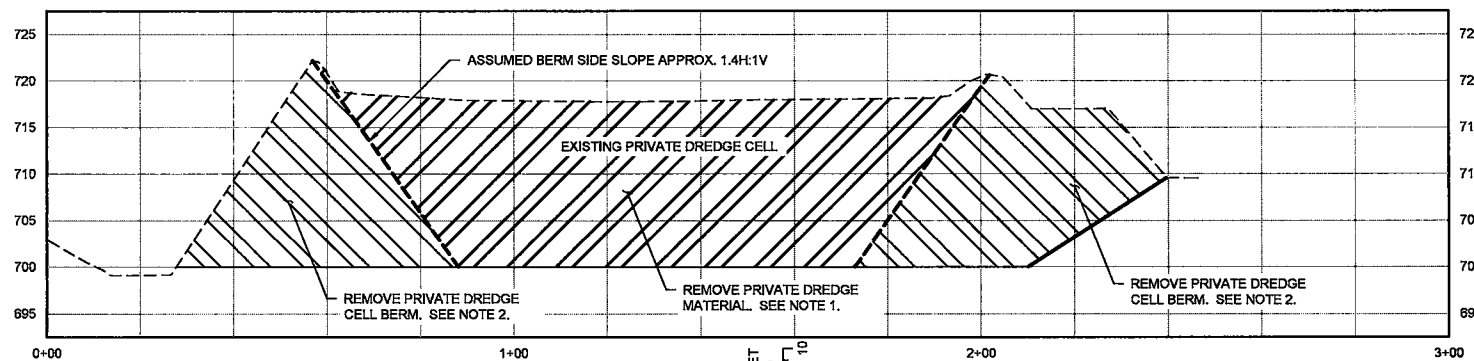
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 - CELL 2 - 83,000 CY
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 - CELL 3 - 23,000 CY (MAX USING USACE STORAGE ASSUMPTIONS)
 * SAND ASSUMED AT 2H:1V SLOPE TO 725.0 FT

- NOTES:**
1. MAINTAIN EROSION CONTROL FEATURES OUTSIDE OF DELINEATED WETLAND TO THE SOUTH AND EAST OF THE PROJECT SITE.
 2. DO NOT DISTURB WETLAND TO SOUTH AND EAST OF THE PROJECT SITE.

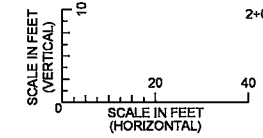
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90% FOR PERMITTING
 NOT FOR CONSTRUCTION

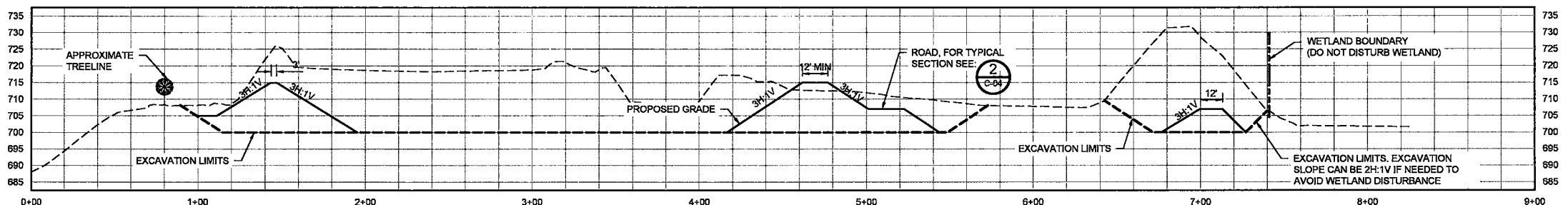
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|---|----|---|------|--|----------------------|--|--|---|--|---|--|---|--|
| I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: JEFFERY WEISS SIGNATURE: _____ DATE: 05/02/19 LICENSE #: 48031 | | CLIENT: 12/21/18 02/08/19 CONSTRUCTION PERMITTING: 02/26/19 05/02/19 RELEASED TO FOR: A B C D O 1 2 DATE RELEASED: | | BARR Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435 Ph: 1-800-632-2277 Fax: (652) 832-2801 www.barr.com | | Scale: AS SHOWN Date: 01/17/2019 Drawn: ATS Checked: JLB2 Designed: ATS Approved: JDW | | LOWER MINNESOTA RIVER WATERSHED DISTRICT | | DREDGE STOCKPILES AREAS SAVAGE, MINNESOTA PROPOSED SITE CONDITIONS PLAN VIEW | | BARR PROJECT No. 23701082.00 CLIENT PROJECT No. DWG. No. C-02 REV. No. D | |
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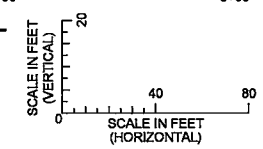
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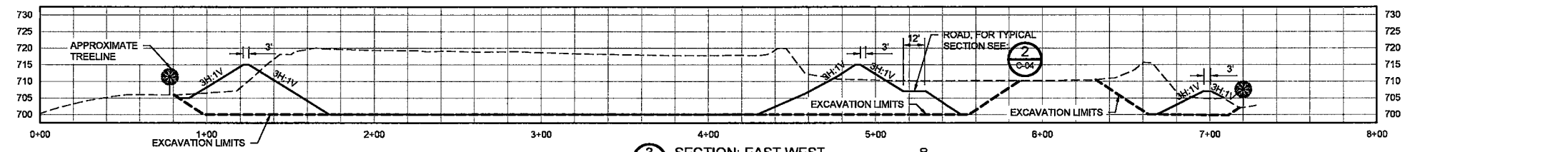
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 2. CLEAN PRIVATE DREDGE BERM MATERIAL TO BE REMOVED AND STOCKPILED ONSITE FOR FUTURE USE.



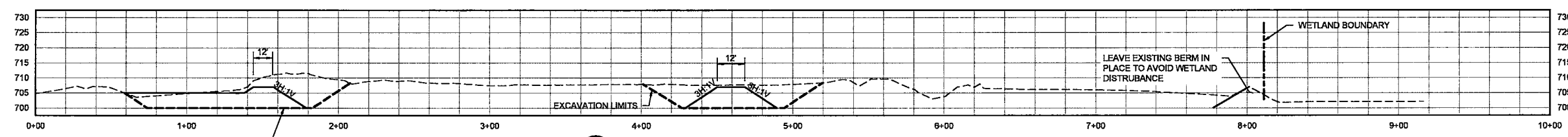
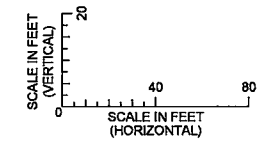
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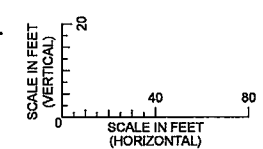
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 2. ALL EXCAVATION SLOPES TO BE 3H:1V UNLESS OTHERWISE NOTED



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C-03



4 SECTION: EAST WEST 2
C-02



90% FOR PERMITTING
NOT FOR CONSTRUCTION

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|---|----|------|------|---|----------------------|--|--|---|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
| I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT 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. PRINTED NAME: JEFFERY WEISS SIGNATURE: _____ DATE: 05/02/2018 LICENSE #: 48031 | | | | CLIENT: 12/21/18 02/08/18 CONSTRUCTION: _____ PERMITTING: 02/29/19 03/02/19 RELEASED TO/FOR: A B C D O 1 2 DATE RELEASED: _____ | | | | BARR Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435 Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Fax: (652) 832-2601 www.barr.com | | | | Scale: AS SHOWN Date: 12/21/2018 Drawn: ATS Checked: JLB2 Designed: ATS Approved: JDW | | | | LOWER MINNESOTA RIVER WATERSHED DISTRICT | | | | DREDGE MATERIAL STOCKPILES SAVAGE, MINNESOTA DREDGE MATERIAL STOCKPILE SECTIONS | | | | BARR PROJECT No. 23701082.00 CLIENT PROJECT No. DWG. No. C-03 REV. No. D | | | |
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LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday July 17, 2019

Agenda Item

Item 6. E. - Watershed Management Plan

Prepared By

Linda Loomis, Administrator

Summary

Staff presented the draft rules to the TAC and asked for partners to submit comments by the end of May. Staff received several requests to extend the time allowed to respond to the draft rules. An extension was granted to June 28, 2019. Comments were received from Scott WMO, Chaska, Shakopee, Eden Prairie, Bloomington, Savage and Burnsville. The District received a letter from the City of Eagan requesting additional time.

Based on the comments received there seems to be a misunderstanding of the District's intent implementing rules. Staff is preparing a log with comments and intends to hold another Technical Advisory Committee meeting to address the misunderstanding. Staff is trying to stick to the timeline to ensure that cities can get general permits within the 180 days from adoption of the LMRWD Watershed Management Plan.

Attachments

No attachments

Recommended Action

No action recommended