



ADMINISTRATIVE OFFICE: 3235 Fernbrook Lane N • Plymouth, MN 55447  
763.553.1144 • Fax: 763.553.9326

August 13, 2020

Representatives  
Pioneer-Sarah Creek Watershed  
Management Commission  
Hennepin County, Minnesota

*The meeting packet for this meeting  
may be found on the Commission's website:*  
[http://www.pioneersarahcreek.org/minutes--  
meeting-packets.html](http://www.pioneersarahcreek.org/minutes--meeting-packets.html)

Dear Representatives:

A regular meeting of the Pioneer-Sarah Creek Watershed Management Commission will be held Thursday, September 17, 2020, at 6:00 p.m. This will be a **virtual** meeting. To join the meeting, click

<https://zoom.us/j/845974640> or go to [www.zoom.us](http://www.zoom.us) and click **Join A Meeting**. Meeting ID is **845 974 640**

If your computer is not equipped with audio capability, dial into one of these numbers:

+1 929 205 6099 US (New York)  
+1 669 900 6833 US (San Jose)  
+1 253 215 8782 US

+1 312 626 6799 US (Chicago)  
+1 346 248 7799 US (Houston)  
+1 301 715 8592 US

In order to ensure a quorum for the regular meeting, please telephone 763.553.1144 or email me at [amy@jass.biz](mailto:amy@jass.biz) to indicate if you or your Alternate will be attending. It is your responsibility to ascertain that your community will be represented at the regular meeting.

Regards,

Amy A. Juntunen  
Administrator  
AAJ:tim

cc: Alternates  
Paul Stewart, Kirsten Barta, HCEE  
Brian Vlach, TRPD  
Joel Jamnik, Attorney  
Diane Spector, Wenck Assocs.

Andrew Vistad, Kaci Fisher, Hakanson-Anderson  
City Clerks  
Met Council  
official newspapers  
MPCA  
BWSR  
DNR



## REGULAR MEETING AGENDA

**September 17, 2020 • 6:00 p.m.**

*The meeting packet can be found on the Commission's website:*

<http://pioneersarahcreek.org/pages/Meetings/>

1. Call to Order.
2. Approve Agenda.\*
3. Consent Agenda.
  - a. July meeting minutes.\*
  - b. August Claims/Treasurer's Report.\*
  - c. September Claims/Treasurer's Report.\*
4. Open forum.
5. Action Items.
  - a. Approve bid for Ardmore Carp Barrier project.\*
  - b. Call for a Public Hearing at the October meeting regarding the Fourth Generation Plan.\*
6. Old Business.
7. New Business.
  - a. Greenfield Comprehensive Plan update re Agricultural Preserves.\*
8. Watershed Management Plan. *(also see next page.)*
  - a. Review 60-day comments and responses.\*
9. Education.
10. Grant Updates.
  - a. Baker Park Ravine – Grant Extension / New Projects
  - b. Shriners project update.\*
11. Communications.
12. Staff Reports.\* (No project review updates from July report)
13. Commissioner Reports.
14. Other Business.
15. Adjournment. (Next scheduled meeting: October 15, 2020).

**Watershed Management Plan – timeline:**

<b>November 13, 2019</b>	<b>Commission 60-day notice of plan kickoff and request for information</b>
<b>November 21, 2019</b>	<b>Award contract</b>
<b>December-January 2020</b>	<b>Compile data, background work</b>
<b>January 16, 2020</b>	<b>Kickoff meeting</b>
<b>Feb-Mar-Apr</b>	<b>Commission, TAC, CAC meetings, Open House</b>
<b>April 16, 2020</b>	<b>Preliminary draft for informal review</b>
<b>May 21, 2020</b>	<b>Review preliminary comments and revise plan</b>
<b>June 18, 2020</b>	<b>Review final draft plan and authorize start of 60 day review</b>
<b>July 20, 2020</b>	<b>Virtual Public Input Session via Zoom</b>
<b>August 21, 2020</b>	<b>Approximate end of 60-day review</b>
<b>Sept 17, 2020</b>	<b>Public Hearing</b>
<b>Sept-Oct-Nov 2020</b>	<b>Agency review and approval</b>

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ADMINISTRATIVE OFFICE: 3235 Fernbrook Lane N • Plymouth, MN 55447  
763.553.1144 • Fax: 763.553.9326 • judie@jass.biz • www.pioneersarahcreek.org

## REGULAR MEETING MINUTES

July 16, 2020

**1. CALL TO ORDER.** A regular meeting of the Pioneer-Sarah Creek Watershed Management Commission was called to order at 6:02 p.m., Thursday, July 16, 2020, by Chair Joe Baker via online Zoom.

**Present:** Mark Workcuff, Greenfield; Joe Baker, Independence; John Fay, Maple Plain; Pat Wulff, Medina; John Tschumperlin, Minnetrista; Andrew Vistad, Hakanson-Anderson, Brian Vlach, Three Rivers Park District (TRPD); and Amy Juntunen, JASS.

**Also Present:** Kyal Klawitter, Greenfield; Kris Guentzel, Hennepin County Environment and Energy (HCEE); and Diane Spector, Wenck Associates.

**2. AGENDA.\*** Motion by Fay, second by Tschumperlin to approve the agenda as presented. *Motion carried unanimously.*

**3. CONSENT AGENDA.** Motion by Tschumperlin, second by Wulff to approve the consent agenda as presented. *Motion carried unanimously.*

**a. June Regular Meeting Minutes.\***

**b. July Monthly Claims/Treasurer's Report.\*** Claims total \$39,902.11.

**4. OPEN FORUM.**

**5. ACTION ITEMS.**

**a. Project Review 2020-005 Newstrum House and Barn, Greefield.\*** This is a residential lot development with a house, horse barn, and accompanying pasture area. The project was reviewed for compliance with Commission rules E (Erosion and Sediment Control) and I (Buffer Strip). The applicant will be required to meet City manure management and storage requirements. This lot borders Dance Hall Creek. Staff recommends approval contingent on receipt of a wetland buffer planting and maintenance plan for areas not in permanent vegetative cover and correction of the buffer along Dance Hall Creek from 35 foot to 50 foot. Motion by Fay, second by Baker to approve project review 2020-005 with the recommended contingencies. *Motion carried unanimously.*

**b. Projects to use remainder of funds from Baker Park Ravine project grant.\*\*** Staff met with BWSR staff to review opportunities to use the remaining grant funding and guidance for making the request. BWSR is amenable to granting a one-year extension of the grant period in which to use the funds. Feasibility studies are needed for the proposed projects to ensure feasibility and project costs. The remaining grant funds would cover approximately four projects. Motion by Wulff, second by Baker to direct Vlach to request a grant extension and Staff to pursue feasibility studies on the Baker Park Stormwater Plantings, McCombs Channel Stabilization, White Savannah/Wetland Restoration, and Lake Independence South Lakeshore Restoration. *Motion carried unanimously.*

**6. OLD BUSINESS.**

**7. NEW BUSINESS** (see Staff Report\*).

**8. WATERSHED MANAGEMENT PLAN.**

Juntunen reviewed the agenda and plan for the **public input meeting** scheduled for July 30.

*Working Schedule.*

- 1) ~~May 21, 2020 - Review preliminary comments and revise plan~~
- 2) ~~June 18, 2020 - Review final draft plan and authorize start of 60 day review~~
- 3) August 21, 2020 - Approximate end of 60-day review
- 4) Sept 17, 2020 - Public Hearing

Greenfield • Independence • Loretto • Maple Plain • Medina • Minnetrista

\*Included in meeting packet.



- 5) Sept-Oct-Nov 2020 - Agency review and approval
- 6) Dec-Jan 2021 - Commission adoption

9. **EDUCATION.**

10. **GRANT UPDATES.**

11. **COMMUNICATIONS.**

Two recently published **articles\*** regarding the Baker Park Ravine project were included in the meeting packet. The articles were written and published by BWSR and Wenck.

12. **STAFF REPORT.\***

a. **BWSR Watershed-Based Implementation Funding (WBIF).\*** The last South Fork Crow meeting was held July 6. At that meeting it was suggested that land area should be a consideration in the division of funds. BWSR now requires a feasibility study to be conducted prior to alum treatments and those treatments will still require additional funding, likely through a Clean Water Fund (CWF) grant. BWSR recommended that either the Shriner's project or the Lake Independence Area BMPs project be pursued for WBIF. Staff recommendation is to pursue the Shriners project as it must be completed before a Lake Rebecca alum treatment and BWSR considers "area BMPs" to be ambiguous and difficult to identify reductions. Guenzel, Vlach, and Paul Stewart will meet again to firm up estimated feasibility study and project costs. The Shriners project would include work on the adjacent TRPD property as well. The next South Fork Crow meeting is scheduled for July 30. The next North Fork Crow WBIF meeting is scheduled for July 21. Potential projects will be discussed at that meeting.

b. The **July Staff Report\*** was included in the meeting packet.

13. **COMMISSIONER REPORTS.**

a. **Baker** reviewed the Lake Sarah Eurasian Watermilfoil treatment project, noting that two additional patches of curlyleaf pondweed near the inlet of Dance Hall Creek were also identified and treated. The first loon family in many years has been spotted on the lake. The deepest Secchi disk reading ever recorded occurred on July 3 with a reading of seven feet. As of last weekend the readings were at five feet. Twenty-one boats participated in the Lake Sarah boat parade on Independence Day. The public access is full every weekend.

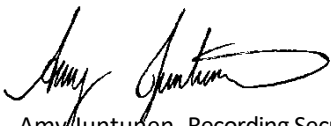
b. **Wulff** noted that Lake Independence also had a great flotilla with 22 participants for Independence Day and received good local press. LICA is creating an educational piece regarding phosphorus for their website. The LICA website will be updated to promote the July 30 public input meeting for the fourth generation plan. The high water mark and no-wake trigger for Lake Independence has been reset and approved by DNR though, with the low water levels this year, it hasn't been an issue.

14. **OTHER BUSINESS.**

The **next regular meeting** is scheduled for August 20, 2020 and will most likely be held online again via Zoom link <https://zoom.us/j/845974640>.

15. **ADJOURNMENT.** There being no further business, motion by Wulff, second by Fay to adjourn. *Motion carried unanimously.* The meeting was adjourned at 7:35 p.m.

Respectfully submitted,



Amy Juntunen, Recording Secretary  
AAJ:tim

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**Pioneer-Sarah Creek Watershed  
Cash Disbursements Journal  
For the Period From Aug 1, 2020 to Aug 31, 2020**

Filter Criteria includes: Report order is by Date. Report is printed in Detail Format.

<b>Date</b>	<b>Check #</b>	<b>Account ID</b>	<b>Line Description</b>	<b>Debit Amount</b>	<b>Credit Amount</b>
8/14/20		50100	Engineering / Project Reviews	368.00	
		50100	Engineering / Other Technical	736.00	
		10100	Hakanson Anderson Associates, Inc.		1,104.00
8/14/20		51100	Administration	1,080.15	
		51100	Meeting-related	536.28	
		51100	Bookkeeping	210.86	
		58210	Management Plan	244.80	
		51400	Website	21.45	
		57000	Education	35.00	
		51120	Project Reviews	40.50	
		10100	Judie Anderson's Secretarial Service		2,169.04
8/14/20		51210	2019 Audit and financial reports	4,500.00	
		10100	Johnson & Company, Ltd.		4,500.00
8/14/20		58200	Management Plan	1,300.00	
		10100	Wenck Associates, Inc.		1,300.00
<b>Total</b>				<b>9,073.04</b>	<b>9,073.04</b>



3601 Thurston Avenue  
Suite 101  
Anoka, MN 55303

Pioneer Sarah Watershed Management Commission  
3235 Fernbroke Lane  
Plymouth, MN 55447

Invoice number 44233  
Date 07/16/2020

Project **PSC203 2020-04 LAKE ARMORE FISH  
BARRIER**

Professional Services Provided Through 06/30/2020

#### MUNICIPAL REVIEW

##### Professional Fees

	Date	Hours	Rate	Billed Amount
Andrew Vistad 2020-004 PROJECT REVIEW	06/09/2020	3.50	92.00	322.00
Andrew Vistad 2020-004 PROJECT REVIEW	06/10/2020	0.50	92.00	46.00
PROFESSIONAL FEES SUBTOTAL				368.00
MUNICIPAL REVIEW SUBTOTAL				368.00
AMOUNT DUE THIS INVOICE				368.00

Invoice Summary	Current Billed	Prior Billed	Total Billed
Total	368.00	0.00	368.00



3601 Thurston Avenue  
Suite 101  
Anoka, MN 55303

Pioneer Sarah Watershed Management Commission  
3235 Fernbroke Lane  
Plymouth, MN 55447

Invoice number 44234  
Date 07/16/2020

Project **PSC901-2020 GENERAL ENGINEERING  
FOR PIONEER SARAH WMC 2020**

Professional Services Provided Through 06/30/2020

## GENERAL ENGINEERING

### Professional Fees

	Date	Hours	Rate	Billed Amount
Andrew Vistad WATERSHED MONTHLY MEETING	05/21/2020	3.00	92.00	276.00
Andrew Vistad MONTHLY MEETING 4TH GEN PLAN DISCUSSION	06/18/2020	3.00	92.00	276.00
Andrew Vistad PROTO LABS PARKING LOT STORMWATER ISSUE	06/23/2020	1.50	92.00	138.00
Andrew Vistad POTENTIAL COST SHARE DISCUSSION WITH PAUL S	06/25/2020	0.50	92.00	46.00

PROFESSIONAL FEES SUBTOTAL 736.00

GENERAL ENGINEERING SUBTOTAL 736.00

AMOUNT DUE THIS INVOICE 736.00

Invoice Summary	Current Billed	Prior Billed	Total Billed
Total	736.00	2,815.21	3,551.21

Johnson & Company, Ltd.  
3255 Fernbrook Lane North  
Minneapolis, MN 55447  
(952) 525-9500

PIONEER-SARAH CREEK WATERSHED MANAGEMENT COMM.  
3235 FERNBROOK LANE NORTH  
PLYMOUTH, MN 55447

Client # : 4273

Invoice Number : 42210

Invoice Date : Wednesday, July 15, 2020

For Professional Services Rendered :

Preparation of report on audited financial statements for the year ended December 31,  
2019.

4,500.00

Total Invoice Amount

\$4,500.00

**Invoice**

August 8, 2020

Invoice No: 12005219



Amy Juntunen  
 Pioneer-Sarah Watershed Management Comm.  
 3235 Fernbrook Lane  
 Plymouth, MN 55447

Responsive partner.  
 Exceptional outcomes.

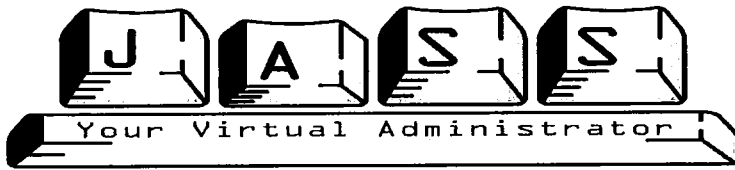
Project Manager Diane Spector

Project B001508-19-008 4th Generation Watershed Management Plan

**Professional Services Through July 31, 2020****Professional Personnel**

	<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Spector, Diane	6.50	200.00	1,300.00	
Totals	6.50		1,300.00	
<b>Total Labor</b>				<b>1,300.00</b>
		<b>Total Invoice Amount</b>		<b>\$1,300.00</b>

	<b>Current</b>	<b>Prior</b>	<b>Total</b>
<b>Billing Summary</b>	<b>1,300.00</b>	<b>28,730.70</b>	<b>30,030.70</b>



3235 Fernbrook Lane  
Plymouth MN 55447

Pioneer-Sarah Creek Watershed Management Commission  
3235 Fernbrook Lane Plymouth, MN 55447

August 14 2020

				Total Project Area	
<b>General Administration</b>					
Administrative	0.50	60.00	30.000		
Administrative	3.36	65.00	218.400		
Administrative - virtual	2.00	70.00	140.000		
Office Support	7.75	60.00	465.000		
Public storage	1.00	80.08	80.080		
Data Processing/File Mgmt	2.42	60.00	145.200		
Reimbursable Expense	1.47	1.00	1.470	1,080.150	Administration
 <b>Meeting packets, attendance, Minutes and Meeting follow-up</b>					
Administrative	0.42	60.00	25.200		
Administrative	5.43	65.00	352.950		
Admin - virtual	1.92	70.00	134.400		
Reimbursable Expense	23.73	1.00	23.730	536.280	Meeting-related activities
 <b>Bookkeeping</b>					
Bookkeeping, budget, audit requests	1.50	65.00	97.500		
Treasurer's Reports	0.75	65.00	48.750		
Audit Prep		65.00	0.000		Bookkeeping/TRs
Reimbursable Expense	64.61	1.00	64.610	210.860	Audit Prep
 <b>Management Plan and Amendments</b>					
Administrative		60.00	-		
Administrative	1.16	65.00	75.40		
Administrative - Virtual	2.42	70.00	169.40		
Reimbursable Expense		1.00	0.00	244.80	Management Plan
 <b>Website</b>					
Weebly hosting - 1 year		1.00	0.000		
Pages, links, uploads	0.33	65.00	21.450		
Administrative		65.00	0.000	21.450	Website
 <b>Education, Strategic Planning</b>					
Administrative		55.00	0.000		
Administrative		65.00	0.000		
Administrative - Virtual - Watershed Partners, et	0.50	70.00	35.000		
Reimbursable Expense		1.00	0.000	35.000	Education
 <b>Project Reviews</b>					
Administrative		55.00	0.000		
Administrative	0.50	65.00	32.500		
File Management/Archiving		50.00	0.000		
Reimbursable Expense	8.00	1.00	8.000	40.500	Project Reviews
				<b>2,169.040</b>	<b>2,169.040</b>

**Pioneer-Sarah Creek Watershed  
Cash Disbursements Journal  
For the Period From Sep 1, 2020 to Sep 30, 2020**

Filter Criteria includes: Report order is by Date. Report is printed in Detail Format.

<b>Date</b>	<b>Check #</b>	<b>Account ID</b>	<b>Line Description</b>	<b>Debit Amount</b>	<b>Credit Amount</b>
9/11/20		50100	Engineering / Project Reviews	575.00	
		50100	Engineering / Other Technical	276.00	
		10100	Hakanson Anderson Associates, Inc.		851.00
9/11/20		51100	Administration	816.86	
		51100	Meeting-related	233.80	
		51100	Bookkeeping	184.98	
		58210	Management Plan	21.45	
		51400	Website	5.85	
		57000	Education	35.00	
		10100	Judie Anderson's Secretarial Service		1,297.94
<b>Total</b>				<b>2,148.94</b>	<b>2,148.94</b>





3601 Thurston Avenue  
Suite 101  
Anoka, MN 55303

Pioneer Sarah Watershed Management Commission  
3235 Fernbroke Lane  
Plymouth, MN 55447

Invoice number 44524  
Date 08/21/2020

Project **PSC204 2020-05 NEWSTRUM HOUSE & BARN**

Professional Services Provided Through 07/31/2020

# **MUNICIPAL REVIEW**

## **MUNICIPAL REVIEW**

### Professional Fees

	Date	Hours	Rate	Billed Amount
Andrew Vistad <i>PREPARE REVIEW MEMO FOR NEWSTRUM PROPERTY</i>	07/08/2020	3.50	92.00	322.00
Andrew Vistad <i>PREPARE REVIEW MEMO FOR NEWSTRUM PROPERTY</i>	07/09/2020	1.00	92.00	92.00
Andrew Vistad <i>DISCUSS PROJECT REVIEW, BUFFERS, MANURE MANAGEMENT WITH PAUL S</i>	07/10/2020	0.75	92.00	69.00
Andrew Vistad <i>AMMEND REVIEW SUBMIT APPROVAL</i>	07/23/2020	1.00	92.00	92.00
<b>PROFESSIONAL FEES SUBTOTAL</b>				<b>575.00</b>
<b>MUNICIPAL REVIEW SUBTOTAL</b>				<b>575.00</b>
<b>AMOUNT DUE THIS INVOICE</b>				<b>575.00</b>

Invoice Summary	Current Billed	Prior Billed	Total Billed
Total	575.00	0.00	575.00



3601 Thurston Avenue  
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Anoka, MN 55303

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3235 Fernbroke Lane  
Plymouth, MN 55447

Invoice number 44525  
Date 08/21/2020

Project **PSC901-2020 GENERAL ENGINEERING  
FOR PIONEER SARAH WMC 2020**

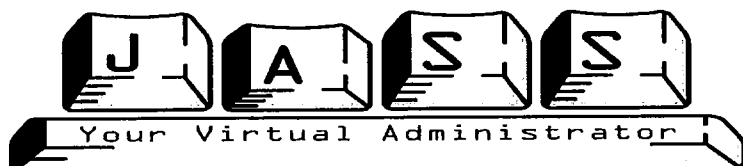
Professional Services Provided Through 07/31/2020

## GENERAL ENGINEERING

### Professional Fees

	Date	Hours	Rate	Billed Amount
Andrew Vistad <i>BANK STABILIZATION PROJECT DISCUSSION</i>	07/08/2020	1.00	92.00	92.00
Andrew Vistad <i>JUNE TECH MEMO UPDATES</i>	07/09/2020	0.50	92.00	46.00
Andrew Vistad <i>JULY MEETING</i>	07/16/2020	1.50	92.00	138.00
PROFESSIONAL FEES SUBTOTAL				276.00
GENERAL ENGINEERING SUBTOTAL				276.00
AMOUNT DUE THIS INVOICE				276.00

Invoice Summary	Current Billed	Prior Billed	Total Billed
Total	276.00	3,551.21	3,827.21



Pioneer-Sarah Creek Watershed Management Commission  
3235 Fernbrook Lane Plymouth, MN 55447

3235 Fernbrook Lane  
Plymouth MN 55447

September 11, 2020

				Total Project Area	
<b>General Administration</b>					
Administrative	0.25	60.00	15.000		
Administrative	2.91	65.00	189.150		
Administrative - virtual		70.00	0.000		
Office Support	7.75	60.00	465.000		
Public storage	1.00	86.24	86.240		
Data Processing/File Mgmt	1.00	60.00	60.000		
Reimbursable Expense	1.47	1.00	1.470	816.860	Administration
 <b>Meeting packets, attendance, Minutes and Meeting follow-up</b>					
Administrative		60.00	0.000		
Administrative	3.02	65.00	196.300		
Admin - virtual		70.00	0.000		
Reimbursable Expense	37.50	1.00	37.500	233.800	Meeting-related activities
 <b>Bookkeeping</b>					
Bookkeeping, budget, audit requests	1.92	65.00	124.800		
Treasurer's Reports	0.58	65.00	37.700		
Audit Prep		65.00	0.000		Bookkeeping/TRs
Reimbursable Expense	22.48	1.00	22.480	184.980	Audit Prep
 <b>Management Plan and Amendments</b>					
Administrative		60.00	-		
Administrative	0.33	65.00	21.45		
Administrative - Virtual		70.00	0.00		
Reimbursable Expense		1.00	0.00	21.45	Management Plan
 <b>Website</b>					
Weebly hosting - 1 year		1.00	0.000		
Pages, links, uploads		65.00	0.000		
Administrative	0.09	65.00	5.850	5.850	Website
 <b>Education, Strategic Planning</b>					
Administrative		55.00	0.000		
Administrative		65.00	0.000		
Administrative - Virtual - Watershed Partners, et	0.50	70.00	35.000		
Reimbursable Expense		1.00	0.000	35.000	Education
			<b>1,297.940</b>	<b>1,297.940</b>	

## memo

<b>Project Name</b>	Ardmore Channel Carp Barrier project	<b>Date</b>	September 1, 2020
<b>To / Contact info</b>	Three Rivers Park District Board of Commissioners		
<b>Cc / Contact info</b>	Brian Vlach, TRPD Senior Water Resources Manager		
<b>From / Contact info</b>	Kyle Crawford, EOR Project Engineer		
<b>Regarding</b>	Recommendation for Award of Construction Contract		

The purpose of this memorandum is to provide a recommendation for award of a construction contract for the Ardmore Channel Carp Barrier project.

### Bid Summary

The Request for Quotes was sent to area contractors on August 7, 2020 and quote packages were due and reviewed on September 1, 2020 at 10am.

To formulate a recommendation for award of the contract, the Total Quote values for each of the contractors was compared. This value includes the entirety of the project as set forth in the plans.

After review of the submitted quote packages it was determined that all quotes are responsive. A total of 4 quotes were received and the overall low bidder is U.S. SiteWork, with a Total Project Quote of **\$39,016.00**. A summary of the quotes is below:

Company	Addenda Acknowledged	Base Bid
<i>Engineer's Estimate</i>	N/A	\$34,539.75
Blackstone Contractors, LLC	N/A	\$43,130.29
G.F. Jedlicki	N/A	\$39,130.00
Kevin Casey, LLC	N/A	\$44,350.00
U.S. SiteWork, Inc.	N/A	<b>\$39,016.00</b>

### Recommendation for Award

The Ardmore Channel Carp Barrier Project is recommended to be awarded to U.S. SiteWork for a total price of **\$39,016.00**.

BID TABULATION

Ardmore Channel Carp Barrier

PREPARED BY EMMONS & OLIVIER RESOURCES, INC.

JOB:1075-0016

REV: September 1, 2020

Engineers Estimate

Contractor 1  
Blackstone Contractors

Contractor 2  
G. F. Jedlicki

Contractor 3  
Kevin Casey

Contractor 4  
US SiteWork

Base Bid														
Item No.	MnDOT Ref #	Item	Estimated Quantity	Units	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	2021.501	Mobilization	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 1,650.00	\$ 1,650.00	\$ 2,750.00	\$ 2,750.00	\$ 7,500.00	\$ 7,500.00	\$ 7,731.00	\$ 7,731.00
2	2101.505	Clearing	0.10	ACRE	\$ 10,000.00	\$ 1,000.00	\$ 6,500.00	\$ 650.00	\$ 18,550.00	\$ 1,855.00	\$ 25,000.00	\$ 2,500.00	\$ 11,480.00	\$ 1,148.00
3	2105.507	Stabilizing Aggregate - River Rock	15.00	CY	\$ 75.00	\$ 1,125.00	\$ 74.67	\$ 1,120.05	\$ 63.00	\$ 945.00	\$ 140.00	\$ 2,100.00	\$ 121.00	\$ 1,815.00
4	2452.602	Furnish and Install Fish Barrier	1	EA	\$ 20,000.00	\$ 20,000.00	\$ 33,500.00	\$ 33,500.00	\$ 26,850.00	\$ 26,850.00	\$ 24,000.00	\$ 24,000.00	\$ 19,700.00	\$ 19,700.00
5	2511.504	Geotextile Filter, Type IV	12	SY	\$ 10.00	\$ 120.00	\$ 19.17	\$ 230.04	\$ 5.00	\$ 60.00	\$ 5.00	\$ 60.00	\$ 23.50	\$ 282.00
6	2511.507	Random Riprap, Class III	20	CY	\$ 125.00	\$ 2,500.00	\$ 152.50	\$ 3,050.00	\$ 124.00	\$ 2,480.00	\$ 140.00	\$ 2,800.00	\$ 142.00	\$ 2,840.00
7	2565.501	Traffic Control	1	LS	\$ 2,000.00	\$ 2,000.00	\$ 490.00	\$ 490.00	\$ 1,250.00	\$ 1,250.00	\$ 1,800.00	\$ 1,800.00	\$ 872.00	\$ 872.00
8	2573.501	Stabilized Construction Exit	1	LS	\$ 2,000.00	\$ 2,000.00	\$ 790.00	\$ 790.00	\$ 1,200.00	\$ 1,200.00	\$ 500.00	\$ 500.00	\$ 1,970.00	\$ 1,970.00
9	2573.503	Sediment Control Log Type Straw	50	LF	\$ 5.00	\$ 250.00	\$ 4.60	\$ 230.00	\$ 5.50	\$ 275.00	\$ 11.00	\$ 550.00	\$ 9.50	\$ 475.00
10	2575.504	Erosion Control Blanket, Category 3N	70	SY	\$ 5.00	\$ 350.00	\$ 8.86	\$ 620.20	\$ 4.70	\$ 329.00	\$ 7.00	\$ 490.00	\$ 4.90	\$ 343.00
11	2575.505	Seeding	0.05	ACRE	\$ 3,000.00	\$ 150.00	\$ 9,800.00	\$ 490.00	\$ 17,500.00	\$ 875.00	\$ 30,000.00	\$ 1,500.00	\$ 24,800.00	\$ 1,240.00
12	2575.508	Seed, Mixture 34-171	1	LB	\$ 200.00	\$ 200.00	\$ 155.00	\$ 155.00	\$ 69.00	\$ 69.00	\$ 110.00	\$ 110.00	\$ 120.00	\$ 120.00
13	2575.508	Seed, Mixture 36-711	4	LB	\$ 50.00	\$ 200.00	\$ 38.75	\$ 155.00	\$ 48.00	\$ 192.00	\$ 110.00	\$ 440.00	\$ 120.00	\$ 480.00
BASE BID SUBTOTAL (BID FORM)						\$ 32,895.00	\$ 43,130.29		\$ 39,130.00		\$ 44,350.00		\$ 39,016.00	
BASE BID SUBTOTAL (AS READ)						\$ 32,895.00	\$ 43,130.00		\$ 39,130.00		\$ 44,350.00		\$ 39,016.00	

# Technical Memo

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**To:** Pioneer-Sarah Creek WMO Commissioners  
**From:** Diane Spector  
**Date:** September 10, 2020  
**Subject:** Fourth Generation Watershed Management Plan  
60-Day Review Comments and Public Hearing

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In accordance with Minnesota Statutes 103B.231, which sets forth the watershed management plan process for Metro area WMOs, the Commission must hold a public hearing on the draft Fourth Generation Watershed Management Plan no sooner than 14 days following completion of the 60-Day review period, which ended August 26, 2020. At your June 18, 2020 meeting you called for this public hearing to be held at your regular meeting on September 10, 2020. The purpose of the hearing is to provide a forum for the public, government agencies, and member cities to provide comments on the goals, management strategies and work plan proposed for the ten-year period 2021-2030.

Comments received to date as well as responses to those comments are attached to this memo. Some of these responses are noted as "Commission discussion." Those are comments that in my judgement were more substantial or might result in new actions or responsibilities and warranted further discussion.

Upon completion of the hearing a record of the hearing and all comments received and responses made must be forwarded to the Board of Water and Soil Resources (BWSR), which then has up to 90 days in which to consider approving the Plan. Once BWSR has approved the Plan, likely at its December 2020 meeting, the Commission has 120 days in which to adopt it. The Commission could then adopt the Plan at its first meeting following BWSR approval.

## **Recommended Commission Action**

1. Discuss the comments marked for further consideration and provide direction. Discuss the other comments and proposed responses.
2. Open the public hearing.
3. Take comments from the member city Commissioners and city staff.
4. Take comments from the public.
5. Close the public hearing.
6. Discuss any new comments received and provide direction.

Direct staff to submit the revised Plan, record of comments and responses, and hearing minutes to BWSR, requesting review and approval of the Fourth Generation Watershed Management Plan. Or, if additional information is necessary, direct staff to bring that and the revised Plan and comments back to the October 15, 2020 meeting for review and approval.

**Pioneer-Sarah Creek Watershed Management Commissions**  
**Fourth Generation Plan**  
**Record of 60-Day Review Comments and Responses, September 2020**

Commenter	#	Comment	Response	Revisions to Plan
Board of Water and Soil Resources Steve Christopher	1	The draft Plan contains text formatting and inconsistencies throughout the Plan, which need to be corrected. A summary of the issues and inconsistencies identified will not be detailed in this letter but will be generally summarized in a separate correspondence to Commission staff.	Inconsistencies in acronyms and other minor formatting issues have been corrected.	x
	2	Table ES.1 The Commission should be commended for their significant improvements, specifically for Whaletail, Hafften, Lake Sarah, and Lake Independence. The focused effort for implementation in these areas is evident in the water quality data and is cause for optimism as the Commission pursues projects in the Lake Ardmore Subwatershed Assessment	Thank you for this comment.	
	3	4.1.2 Fourth Generation Management Plan Priorities. These are ambitious goals and the CIP should reflect projects that will allow the Commission to meet them.	The CIP is aligned with the goals and subwatershed assessments (SWA) and projects are phased to progress toward the goals in a stepwise manner.	
	4	4.2.6 Operations and Programming. Action b. Recommend stating that the CAC will be regularly scheduled (i.e. at least annually) and as necessary. This guidance provides a regular check-in for the Commissioners and keeps an engaged set of stakeholders.	The Commission has a good, ongoing relationship with lake associations, and undertakes a robust public input process during SWAs and when considering projects and has found this to be an effective method of community engagement. In addition, the Commission's partnership with Hennepin County is enhancing outreach to agricultural property owners.	
	5	4.2.6 Operations and Programming. Action e. Periodically review is vague and should be refined to a period of time such as every 2 or 5 years. Reviewing a set of standards does not commit the Commission to revise them, rather it ensures they are current.	The Commission will annually assess whether any revisions are necessary as it prepares its annual work plan.	
	6	4.2.6 Operations and Programming. Action g & h. How will these be measured? What metric is the Commission going to use as a baseline and how it will track its progress. The Commission could coordinate with the County to better develop a process for meeting with private landowners and set a standard for number of site visits/land walkovers for conservation practice identification.	Education and outreach and building relationships are difficult things to quantify aside from simply counting interactions. Developing metrics or goals with the county is a start, but relationships also pertains to interactions with Lake Associations and with other property owners. Ultimately the metrics should be projects implemented or change in behaviors or knowledge.	
	7	4.3.3 2021-2030 Education and Outreach Program. A number of the goals included states that the Commission will provide and enhance opportunities as well as collaborate. How will the Commission measure their progress? Tracking behavior changes through number of projects implemented as well as the number of outreach efforts & meetings should be done.	We agree with this comment, however effectively and scientifically surveying population samples is complex and expensive. The Commission will work with the member cities, which periodically survey their residents, to add watershed-relevant questions to those professional surveys. Other methods such as engaging directly with the public while tabling at events can be useful, though anecdotal.	
	8	4.3.5 Capital Improvement Program. As the Commission solicits input annually to consider projects for funding, it should not limit itself to the current or next year. In many instances, larger development/redevelopment projects are multi-year endeavors and water quality practices that can be added beyond regulatory requirements should be evaluated. These discussions may require city planning staff to assist in potential project identification.	The annual solicitation is not limited only to projects for the coming year. The Commission considers adding projects to the CIP regardless of their proposed year of implementation.	
	9	Table 4.2 Conceptual self-assessment matrix. The evaluation of progress on goals and implementation items should define the metric used for measurement.	Agreed, and that has been added.	x
	10	Potential Funding Source(s). Does 'Grant' include potential cost share from Hennepin County via State Cost Share or NRCS funding through EQIP?	Yes.	
DNR Jeanne Daniels	11	Plan priorities in 4.1.2 are rather weak and vague, and do not prioritize all areas for which goals have been developed. <ul style="list-style-type: none"> <li>Section 4.2.1 Goal Area A. Water Quantity is listed as a goal, but there is no prioritization for this goal area listed, same for 4.2.3 Goal Area C. Groundwater, 4.2.4 Goal Area D. Wetlands, Goal Area E. Drainage Systems,</li> <li>We would recommend priority be identified for those aspects for which goals are identified and would recommend against removal of the Goal Areas that lack priority.</li> </ul>	The Plan follows the format required by Minnesota Rules 8410, which requires the Plan to state goals for each of five specified management areas. During this ten-year planning period the primary area of concern is improving water quality in the impaired waters and protecting water quality in the other resources in the watershed. The other goal areas will be managed opportunistically and as needed.	
	12	Section 4.2 is titled "Third Generation Management Goals and Actions". This seems inconsistent and appears to be mislabeled and should read "Fourth Generation Management Goals and Actions".	This has been corrected.	x
	13	The Implementation Plan and CIP seem adequate.	Thank you for this comment.	
MDA Jeff Berg	15	Minnesota Department of Agriculture (MDA) has no comments.	N/A	
MCES Sam Paske	16	Our only significant comment on the plan is that the Capital Improvement Program could be more detailed, especially for the 2026-2030 time period. However, we realize it is difficult to estimate tasks so far in advance, and the Council is of the opinion that PSCWMC has made progress in managing its water resources and the plan is likely adequate to provide direction for the next 10 years	Thank you for this comment. The Commission will be regularly updating its CIP as more information, detail, and resources become available.	

Commenter	#	Comment	Response	Revisions to Plan
MPCA Scott Lucas	17	Groundwater: It can be helpful to include maps indicating the depth to groundwater in watershed management plans. In many areas of the state, groundwater is less than 10 feet in depth. It is important to know where those areas are, so that extra precautions can be taken to insure that when certain BMPs are suggested (infiltration for example), that proposer separation can be achieved between the seasonally highest groundwater levels and the base of any basin intended for infiltration. Further consideration can be given to the types of contaminants that could potentially enter a basin over shallow groundwater to protect human health where hydrology is connected to nearby drinking water.	The Commission's Rules and Standards contain several regulations regarding the siting of infiltration practices to limit potential for groundwater and drinking water impacts. For example, infiltration is prohibited in areas where the depth to seasonal groundwater is less than six feet, where there is known contamination or where there is a potential for contamination such as gas stations or certain industrial uses, or within the Emergency Response Areas defined in the cities' Wellhead Protection Plans. These are site-specific regulations which can be more protective than the larger-scale depth to groundwater plates from the Geologic Atlas.	
	18	Page 4-14. Potential Problems. A valuable use of resources would be to conduct annual inspection of Best Management Practices (BMPs) that have been installed in the watershed. If BMPs appear to be failing, it is important to understand why, so that similar situations or circumstances can be avoided in the future, or that different BMPs might be used in locations where past practices have failed. For example, if a Water and Sediment Control Basin (WASCoB) fails due to a collapsing berm that was composed of soil too sandy to compact properly, perhaps that practice is used only in clay soils in the future. Or, if infiltration basins are holding water too long, perhaps compaction at the base, or depth to ground water can be re-checked to determine if that practice was installed incorrectly, and mistakes can be guarded against going forward	We agree with this comment. However, as a Joint Powers Organization we rely on the member cities, all but one of which are MS4s, to inspect BMPs that have been installed by the cities or developers, and on Hennepin County to inspect BMPs installed through their programs. The Commission sees its role as being an adviser to these entities, and a collector of information and data as well as a disseminator of information.	
	19	Evaluation of civic outreach activities has often been accomplished by counting the number of attendees at an event, or by having attendees fill out a brief survey moments prior to leaving the event. If the purpose of an event is to educate people, or effect change in behaviors, these evaluation methods are general ineffective because the presenters do not find out if attendees put the material to use, or implemented any of the ideas that the event was designed to instruct them on. It is becoming increasingly important that methods of survey or evaluation are developed that will give educators a better idea if the presentations are actually changing behaviors, or simply drawing attendees. If it turns out that funding is being spent on ineffective events; then a change in direction may be needed	We agree with this comment. These methods are often relied upon because effectively and scientifically surveying population samples is complex and expensive. The Commission will work with the member cities, which periodically survey their residents, to add watershed-relevant questions to those professional surveys.	
MDH	20	None received.	N/A	
MnDOT	21	None received.	N/A	
City of Greenfield Kaci Fisher	22	In Section 4.2.4 Wetlands under point (e) the Plan says, "The order of descending priority for the location of replacement wetland, including the use of wetland banking credits, is as follows: 1. On-site..." This priority list is the same as in the Third Generation Plan. However, in recent years BWSR and the Corps have highly discouraged on-site wetland replacement with preference given to purchasing wetland banking credits. As the on-site wetland replacement priority is in direct conflict with the Wetland Conservation Act policy, I would recommend the on-site priority be removed	Commission discussion	o
City of Independence Kaci Fisher	23	In Section 4.2.4 Wetlands under point (e) the Plan says, "The order of descending priority for the location of replacement wetland, including the use of wetland banking credits, is as follows: 1. On-site..." This priority list is the same as in the Third Generation Plan. However, in recent years BWSR and the Corps have highly discouraged on-site wetland replacement with preference given to purchasing wetland banking credits. As the on-site wetland replacement priority is in direct conflict with the Wetland Conservation Act policy, I would recommend the on-site priority be removed	Commission discussion	o
Hennepin County Kris Guentzel	24	ES-1. (first paragraph) acronym should be 'PSC WMC'; then stick to using the acronym in the following paragraphs (and on page 1-1, 3-1, and so on) if its to be defined in acronym list. Later in the document (pages 3-1, 3-3, and 3-11) the PSC WMO acronym is used.	Plan has been revised for consistent use.	x
	25	ES-2. Last bullet: Same comment as in previously-submitted "informal" comments - suggest flipping the script on this to focus more on how the Commission can address this challenge. Language to consider: "Because much of the implementation opportunity in the watershed is on privately-owned property, the Commission's success is highly dependent upon its ability to provide sufficient technical and financial resources to enable private property owners to participate in projects. The Commission's ability to provide consistent and predictable technical assistance to private landowners has depended upon informal relationships with partners, and financial resources have been scarce and unpredictable. The Commission should examine how it can better support its landowners and consider options to ease these barriers to private landowner participation.	Commission discussion	o
	26	ES-7. Shouldn't acronym be LSMP for Local Stormwater Management Plan? Please also add it to the acronym list.	MR 8410 calls them Local Water Plans. Cities variously use Local Water Management Plans (LWMP) or Local Stormwater Management Plans (LSMP). Added to acronyms.	x
	27	p. 1-3. Bullet 7 - has there been any work to identify and conflicts between the WMO and LGUs? (Describe conflicts between the watershed plan and existing plans of Local Governmental Units (LGUs), if any.)	There are typically no or minimal conflicts between plans. Any potential conflicts (usually something like a wetland buffer ordinance requiring a different buffer width) are typically worked out during the Commission's review of local plans.	



Commenter	#	Comment	Response	Revisions to Plan
Hennepin County (con't)	28	p. 2-7. Lengthy comment regarding history of Native Americans on land in the watershed.	We appreciate the comment and insight. We will revise the Plan to drop “of the Woodland Period” from the short history of land use in the watershed to respect the history of indigenous peoples potentially in the area prior to the Woodland Period.	x
	29	p. 2-16. Fill and Line colors sometimes difficult to interpret for lakes, especially small ones where line thickness covers fill (e.g. Hafften Lake). Recommend one color for both fill and line, such as was done for streams	Agree it is not optimal, but the different fill and outline colors indicate various impairments.	
	30	p.3-9. 3.4.2, bullet 4: Suggest reframing to highlight that the Commission has some levers to use here if they choose to use them: Additional implementation projects could have been completed had the Commission invested more resources into connecting with landowners and funding projects	Commission discussion	o
	31	p. 4-2. Recommend rewriting text for Problem #1.5. For text under 'Discussion' column, recommend the following language that provides solution: "Cities don't participate in TAC meetings since technical staff is primarily contracted and/or they haven't found value. Without participation, projects aren't identified/implemented. Commission should develop a framework for improving engagement with cities identify municipal resources to improve coordination and implementation.	Commission discussion	o
	32	p. 4-2. Suggest modifying order of organizations listed in Priority 2, to provide hierarchy of importance of partnerships (and necessary work to establish those partnerships): "Work in a coordinated way with urban and rural property owners, cities, lake associations, public and private entities, Hennepin County, and TRPD building partnerships to conserve our water and natural resources and deliver implementation projects."	Agree, has been modified as suggested.	x
	33	p. 4-3. Suggest modifying text to: "Raise the profile of the commission within the watershed with its residents, cities, and partners, as well as outside the watershed within Hennepin County, the western Metro area, and the Crow River Watershed.	Commission discussion	
	34	Section 4.2 heading should say 'Fourth Generation Management Goals and Actions'	Corrected, thank you.	x
	35	p. 4-4. Suggest adding to 4.2.1 introduction: "and channel erosion." to end of second sentence. Suggest adding sentence before last sentence: "In addition, we are experiencing increasingly frequent, heavy precipitation events as well as increasingly frequent freeze/thaw cycles during the wintertime - both of these patterns are currently exacerbating flooding and other related water quantity concerns, and will likely continue to strain our member communities into the future." Suggest adding "...and considering impacts of changing precipitation patterns on the Commission's future mission and activities."	Commission discussion	
	36	p. 4-4. Please add another Goal (A.4) stating: "Improve community resiliency to more frequent intense rain events by creating more storage for stormwater wherever and however possible."	Commission discussion	o
	37	p. 4-4. Suggest an additional Water Quantity action: "The Commission will consider the role of mid-century rainfall projections in Rules and Standards and encourage member cities to do the same for local controls."	Commission discussion	o
	38	p. 4-4. Suggest an additional Water Quantity action: "The Commission will work with its cities and other partners to look for and act on opportunities to increase water storage throughout the watershed to prevent disproportionate impacts of flooding and high water."	Commission discussion	o
	39	p.4-4. Suggest an additional Water Quantity "floodplain" action: "The Commission will consider the role of mid-century rainfall projections on floodplain development standards."	Commission discussion	o
	40	p. 4-5 . Considering the protection of Lake Rebecca is listed as a priority (page 4-3), recommend a Water Quality goal or action is added to reflect this.	Agree, have added protection of Lake Rebecca to Goal B.1	x
	41	p. 4-5. Either (A) Add a Goal Area B Action: "The commission will develop a CIP list and annually review and implement projects from that list, in partnership with other organizations." OR (B) Modify Goal Area F, Action (a) text to say '...to identify, prioritize, and implement projects.'	Thank you for the comment, but it is not the role of the Technical Advisory Committee to implement projects. That is the role of the implementing agency, whether it is a city, county, Three Rivers, or some other agency.	
	42	p. 4-6. In Section 4.2.4 introduction, add climate resiliency lens: "In addition, the Commission acknowledges that one of the critical services of wetlands in our watershed is protecting residents and the watershed's lakes and streams from the impacts of increasingly frequent large precipitation events. "	Commission discussion	o
	43	p. 4-7. Suggest an additional Wetlands action: "The Commission will consider the role of mid-century rainfall projections in Rules and Standards related to wetland buffers and encourage member cities to do the same for local controls."	Commission discussion	
	44	p. 4-7. For 'Wetland Actions:' (e) : recommend removing 'on-site' as top priority for wetland banking credits as it contradicts current BWSR guidance and MN Statute 103G.222.	Commission discussion. Suggest substituting the word “preference” for “top priority.”	o
	45	p. 4-8. Add text to 'Drainage System Actions' Action (b.) text to say "...for benefitted landowners on county ditches as well as other private drainage systems."	We agree and have made this change	x
	46	p. 4-8. For Goal F.6: Add "...and watershed residents"	We agree and have made this change	x

Commenter	#	Comment	Response	Revisions to Plan
Hennepin County (con't)	47	p. 4-8. Add an Action to Goal Area F: "At least biennially revisit the Commission's livestock policy and ensure it conforms with current regulations". This additional action was recommended following Board approval on June 18, 2020.	This was previously added as action h under Goal Area B Water quality in the 60-day review plan.	
	48	p. 4-15. A subheading may be missing for 2.X Actions	The table subhead should read <b><i>"Agricultural Community Outreach"</i></b>	x
	49	App. D. Tables and figures should reference 'Fourth Generation' plan	Thanks for the catch, they have been corrected.	x
	50	App E. Table 1 should reference 'Fourth Generation' plan	Thanks for the catch, it has been corrected.	x
	51	A number of items like Local Stormwater Management Plan (LWMP) and Joint Powers Agreement (JPA) are defined as acronyms in the text in some sections but not others, many are not defined in the Acronyms section. Please be consistent on definitions.	All acronyms have been reviewed and revised as necessary for consistency.	x
	52	There is a lack of connection between WMO and Cities in this document outside of the commissioners' meeting attendance and participation. Is there more engagement needed from Cities within the WMO to communicate projects, develop new projects, and/or plan for future water quality and drainage needs through land use planning, zoning, and stormwater management? What is the engagement plan besides the legal Mn Rule 8410. The plan is very HCEE and TRPD focused.	Most of the cities in the WMO have few staff and contract with consultants for their technical services, and budget constraints limit their participation. Cities have taken on some initiatives and projects. Elected officials have participated in Project Nemo-sponsored events.	
	53	If information on something can be found in the Third Generation Plan and it doesn't require updating for this plan, suggest copying/pasting from the Third Gen Plan into the Fourth Gen Plan. It may seem trivial, but there are enough barriers to reading watershed management plans. If someone finds themselves in this plan looking for a comprehensive understanding of the watershed, they should not need to click through to another (frankly giant) document to find all the pertinent information. (E.g. Section 2.2.3 T&E species)	Thank you for this comment. Minnesota Rules allows data to be incorporated by reference so that the emphasis of a plan update can be more focused on implementation.	

# Cost share project summary sheet

## Landowner and parcel information

**Landowner name:** Horsemen Inc. (Shriners)

**Address:** 4505 Co Rd 92 Independence MN 55359

**Email address/phone number:**

**PID:** [0411824210003](#)

**Staff point of contact:** Paul Stewart – Ag / Kristine Maurer – Easement WBC / Matt Stastica – Restoration / Karen Galles

**Landowner concern:** Pastureland facing flooding pressures. Tile line suspected failed, drainage course blockages, volume increases and suspect ground water seepage from Lake Sarah.

## Project overview

**Waterbody project is located on or receiving (downstream) waterbody or system – please include a zoomed out map:** Lake Rebecca, Crow River

**Resource concern:** Land Use and nutrient loading.

**Proposed project type:** Restoration of drain tile, reestablish drainage downstream, flow control and sediment/nutrient basins. Grazing management plan. Evaluate drainage coming out of TRPD 0411824230001

**NRCS practice code(s):**

**Site visit summary/notes:** Current land use is in agriculture,

**Proposed project:** Develop a transition plan to restore pasture, restore drainage, improve water quality with the addition of basins

\* Working West to East \*

TRPD property 9831 Rebecca Park Trail:

Work start Winter 2020/2021

- Maintenance/Repair of culver crossing on horse trail.
  - Would like to access culvert via Shriners property.
- Design and install sediment and nutrient BMP between horse trail and bike trail.
- Restore surface channel from property line to culvert.

Desens property 6315 Greenfield Rd:

Fall 2020

- Need introduction letter.
  - Tile drainage repair, culvert repair on TRPD property.
  - Nutrient management basin/wetland restoration.
  - Site evaluation.
    - Any erosion issues that enter the drainage?

- Easement for drainage or WEP?

#### Belgarde property 4735 Co Rd 92 N

Fall 2020

- Need introduction letter
  - Tile drainage repair, culvert repair on TRPD property.
  - Nutrient management basin/wetland restoration.
- Easement for drainage or WEP?

#### Shriners property 4505 Co Rd 92 N:

Design Winter 2021 Work Spring 2021

- Tile, inlet control structure and outlet repair/replacement.
  - Sediment/nutrient basin at tile inlet
- Grazing plan
- Other pasture tile repair
- Drylot work

#### East side Co Rd 92 properties:

Saterbo 4742 Co Rd 92, Trechsel 7455 Lake Sarah Dr S, Sangster 7325 Lake Sarah Dr S, Rudie 7225 Lake Sarah Dr S, Slavec 4635 Lake Sarah Dr S, HSP Unassigned Lake Sarah Dr S.

Design Winter 2021, Work Summer 2021

- Control structure at Co Rd 92 culvert
- Ground water monitoring on TRPD 0311824220003

**Alternative practices/solutions considered (if any):**

## Project design

**Who will be the technical signatory for this project?: TRPD/ NRCS/ Contractor**

**Design Details – separate attachment is fine: TBD**

<b>Project Cost Estimate</b>	<b>TBD</b>
Hennepin Portion	
Landowner Portion	

<b>Pollution Reductions</b>	<b>Reduction</b>	<b>Calculator used (BWSR, MPCA, etc)</b>
-----------------------------	------------------	--

Total P		
TSS		
Other (please specify)		

## Next steps

### Follow up or additional advising provided/requested:

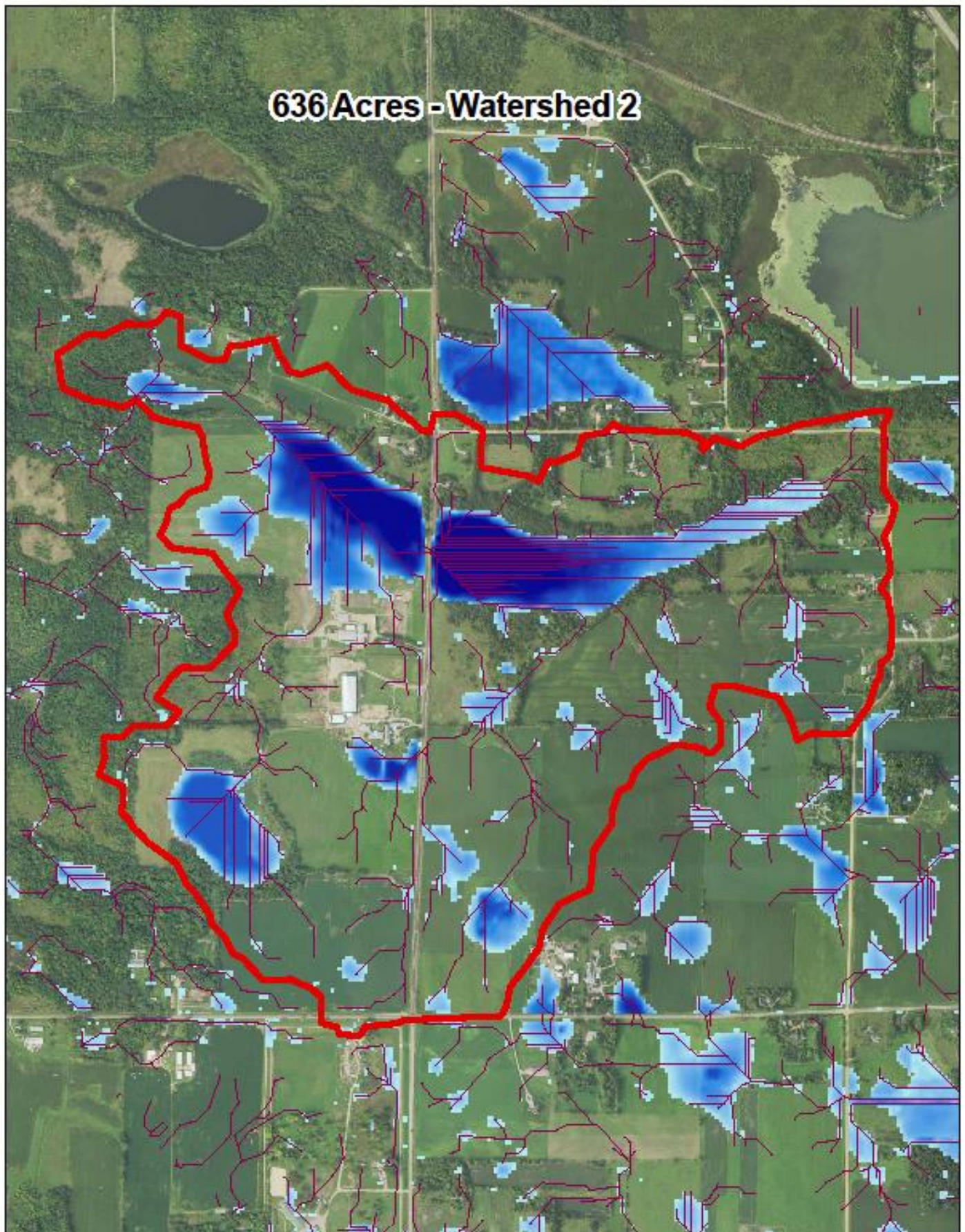
Tie to the Rebecca TMDL and Alum treatment. 4<sup>th</sup> Gen Plan and future work.

### Any future or other opportunities?

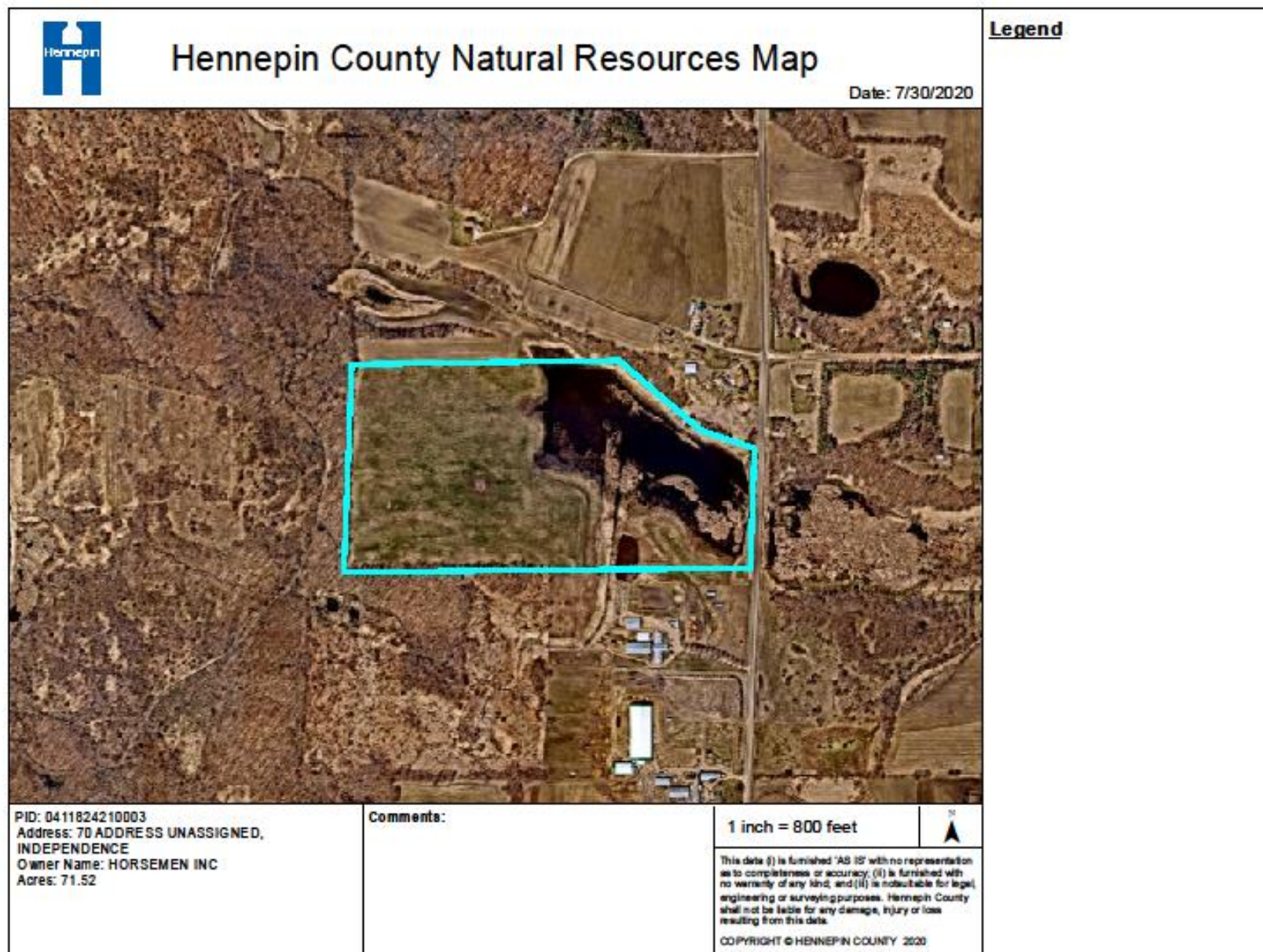
Projects list:

- Shriners property  
<https://gis.hennepin.us/NaturalResources/map/default.aspx?C=443156.62418730004,4990210.098694818&L=6&T=hybrid&D=true&IMG=None&LID=2&PID=0411824210003&VIS=-1>
  - Tile repair
  - Sediment basins
  - Bio reactors at tile outlets
  - Dry lot construction
  - Grazing and manure plan
- Desens property  
<https://gis.hennepin.us/NaturalResources/map/default.aspx?C=443162.97420000006,4990612.6895&L=6&T=hybrid&D=true&IMG=None&LID=2&PID=3311924330001&VIS=-1>
  - Drainage Easement
  - Wetland easement
  - Other
- TRPD Rebecca  
<https://gis.hennepin.us/NaturalResources/map/default.aspx?C=441952.16739999997,4989610.4968&L=4&T=hybrid&D=true&IMG=None&LID=2&PID=0511824110006&VIS=-1>
  - Control structure at culvert
  - Other basin opportunities
  - Water quality testing and monitoring
- Area east of Co Rd 92  
<https://gis.hennepin.us/NaturalResources/map/default.aspx?C=444213.49622564163,4990103.15848156&L=6&T=hybrid&D=true&IMG=None&LID=2&PID=0411824120004&VIS=18>
  - Piezometer for ground water monitoring
  - SWA for area
  - Tile outlet inventory
  - Control structure at Co Rd 92 crossing









Concept Plan after site visit with TRPD July 2020



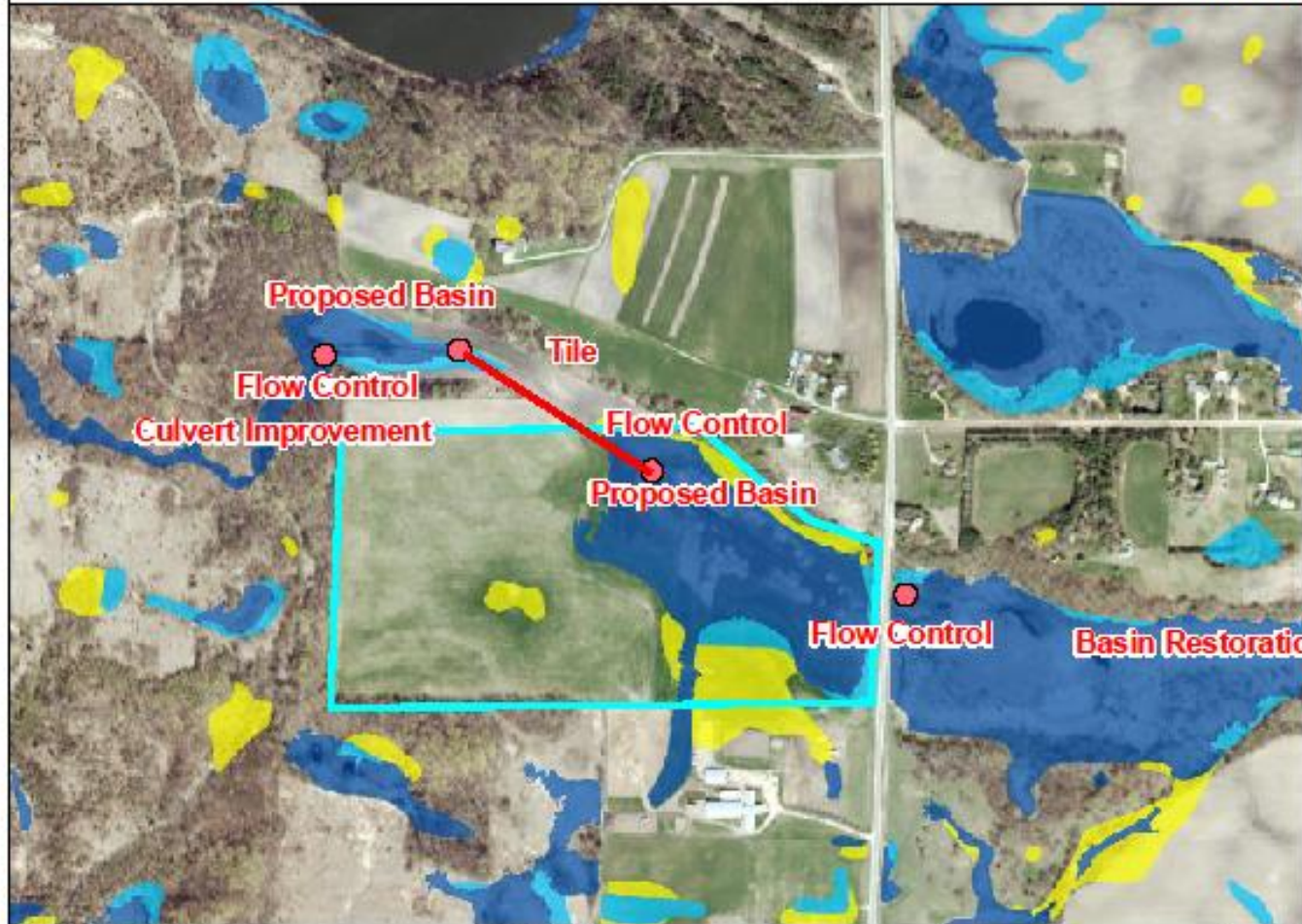
# Hennepin County Natural Resources Map

Date: 7/30/2020

## Legend

### Wetlands

- Potential Wetland - HCWI
- Probable Wetland - HCWI
- Probable Wetland - NWI



PID: 0411824210003  
Address: 70 ADDRESS UNASSIGNED,  
INDEPENDENCE  
Owner Name: HORSEMEN INC  
Acres: 71.52

Comments:

1 inch = 800 feet



This data is furnished "AS IS" with no representation as to completeness or accuracy. It is furnished with no warranty of any kind, and it is not suitable for legal, engineering or surveying purposes. Hennepin County shall not be liable for any damage, injury or loss resulting from this data.

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Culvert inlet at TRPB horse trail .

It is visible silted in with soil and organic matter. Water is flowing through the pore space in the material and flow is visibly reduced. The channel leading in to the culvert is also not effective.

Looking at historic aerial it is apparent that there is channel maintenance happening up to the property line with TRPD. Maintenance into TRPD property will need to be evaluated and planned.

2015





2009



2002



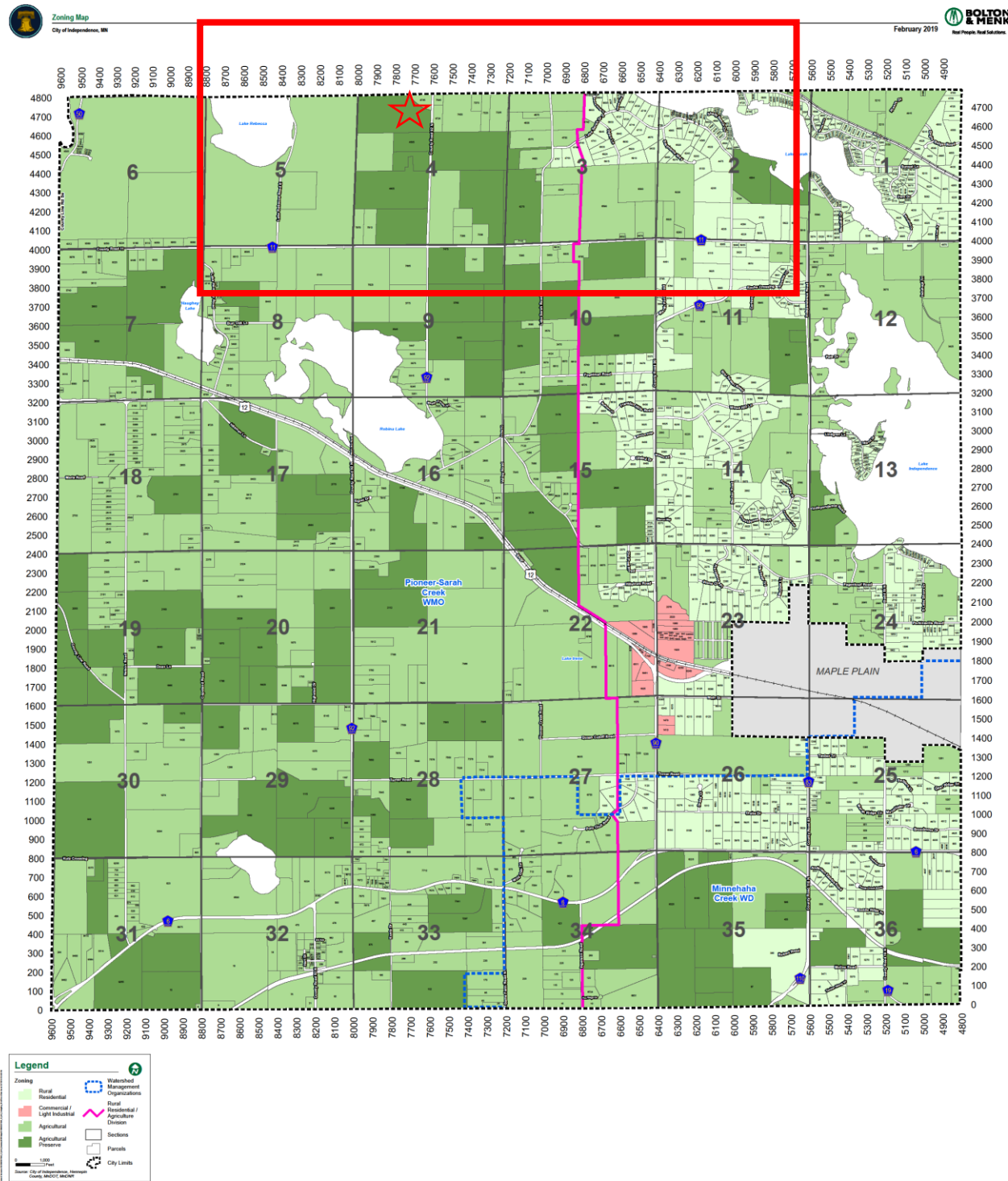


Culvert Outlet at TRBD Horse Trail.

Culvert structure is visible but is fully submerged. It was also very apparent that silt has settled in the channel.









December 2009

# City of INDEPENDENCE

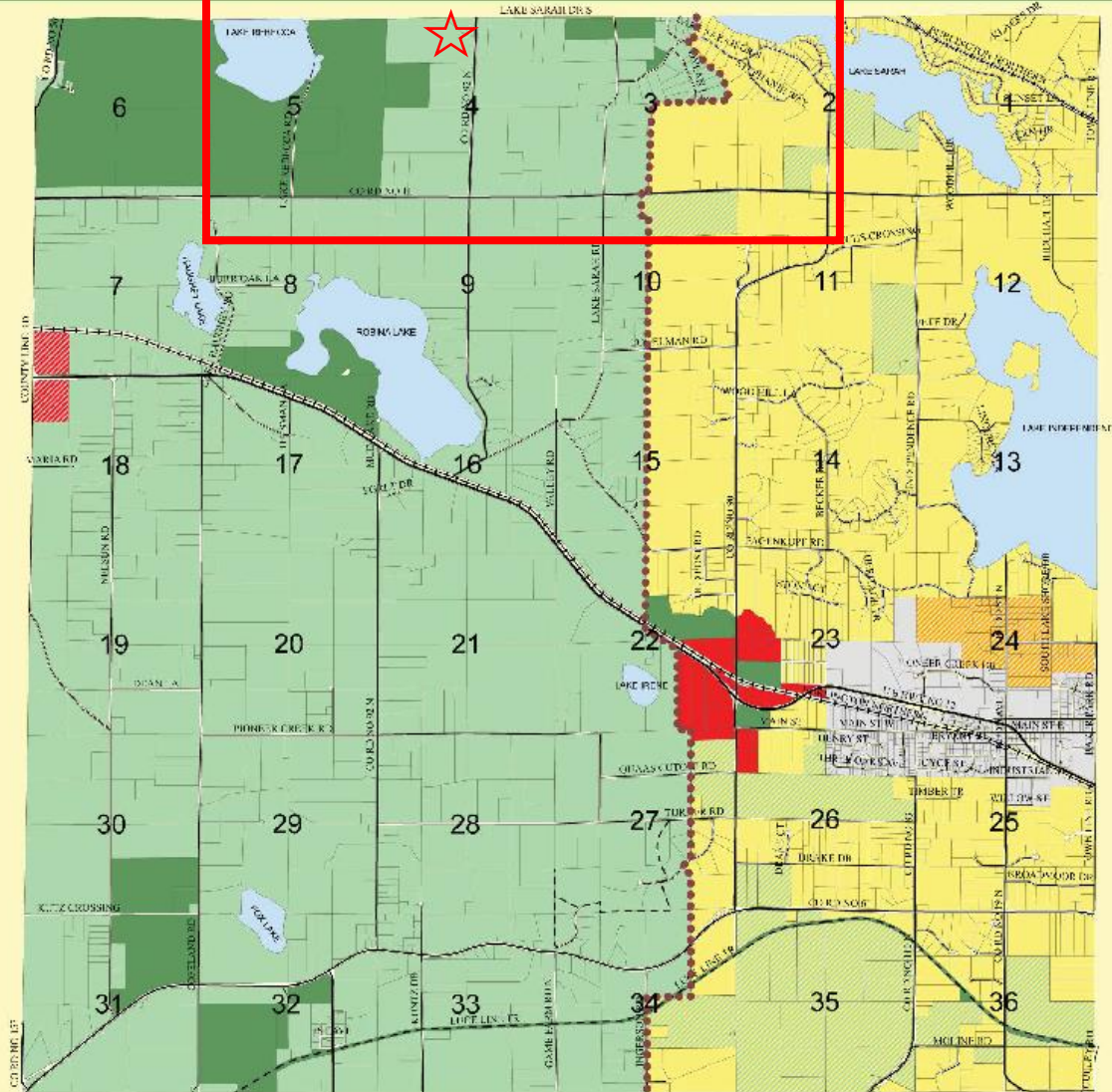
Figure 7:  
Comprehensive  
Land Use Plan

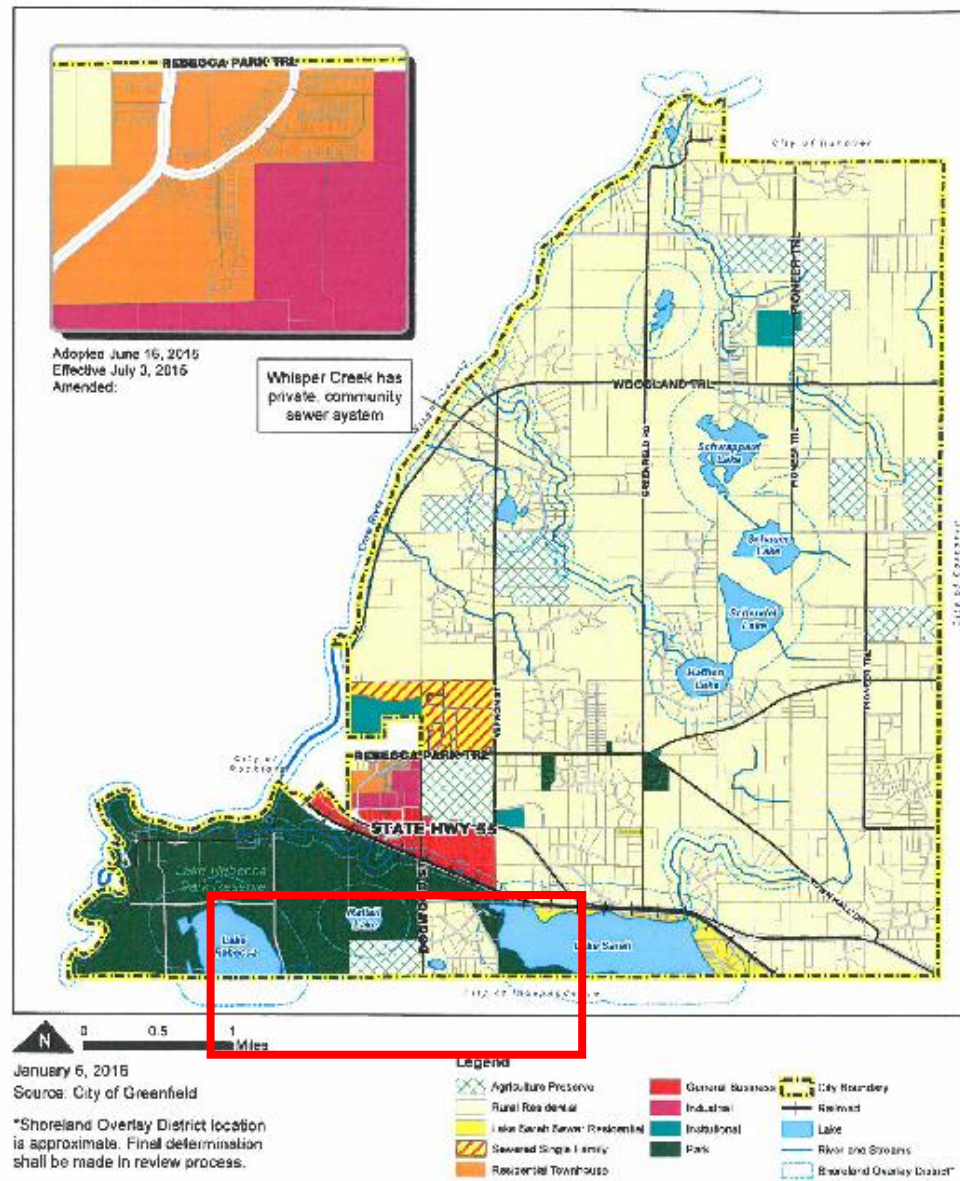


0 1,600 3,200 Feet

1:12,000 (1/4" = 1 Mile)

**LOUCKS  
ASSOCIATES**









**MEMORANDUM**

Hoisington Koegler Group Inc.



**To:** Greenfield City Council  
**From:** Brad Scheib, Consulting Planner  
**Subject:** Agricultural Preserves  
**Date:** 27 August 2020

**Background**

The City of Greenfield is looking at amending the Comprehensive Plan to decertify agricultural preserves. This would require removing all references to agricultural preserves in the Comprehensive Plan including amending and removing maps and tables and renumbering all subsequent maps and tables.

**Amendment Process**

As part of the amendment process, the City of Greenfield must submit the amendment to the Metropolitan Council for review. Before the City of Greenfield may submit a comprehensive plan amendment to the Met Council for review the city must submit the proposed amendment to adjacent governmental units, affected special districts, and affected school districts for review and comment. The City must allow adjacent governments, affected special districts, and affected school districts up to 60 days to review the proposed comprehensive plan amendment. If the City receives written comments from all jurisdictions prior to the end of 60 days, the City may submit the plan prior to the 60 day period ending. It is our intent to facilitate comments in a more timely manner than 60 days.

**Action requested**

Staff requests authorization to distribute the amendment for adjacent jurisdiction review and to schedule a public hearing with the Planning Commission to consider the Comprehensive Plan Update. This will affectively initiate the comprehensive plan amendment process and is not an approval of the amendment.

Staff is just looking for a motion from Council.

Attached please find a document that shows what pages of the comprehensive plan will be changed as part of this proposed comprehensive plan amendment.

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## Summary of Comments on Greenfield\_Comprehensive-Plan 091319.pdf

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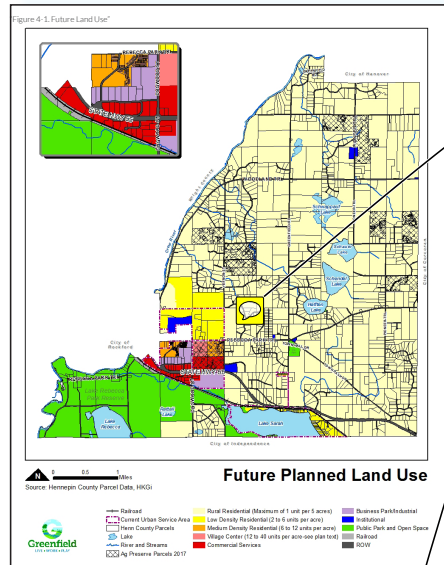
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## 4 Land Use Plan

This chapter provides the framework for how land will be used in the future. The Land Use Plan, as seen in (Figure 4-1), seeks to reinforce desirable land use patterns, identify places where change is needed, and guide the form and location of future growth. The Plan's main goal is to preserve the community's rural character while protecting the long-term ability for the City of Greenfield to emerge as a strong, thriving community on the edge of a growing metropolitan region.

Currently, the predominant form of residential development in Greenfield is single-family, rural residential development. As the City grows, development with municipal sewer and water is anticipated to continue to occur in the core area of Greenfield. There is adequate land planned and available in this area to accommodate forecasted population, household, and employment growth projected for Greenfield.

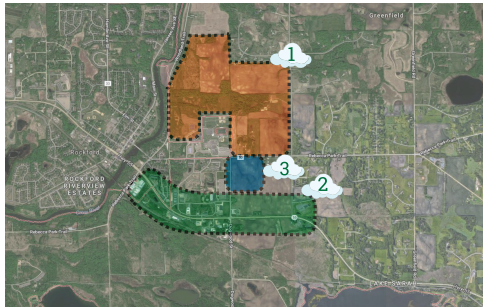


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Map to be amended removing ag preserve overlay hatch.

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The City has identified three focus areas that could be considered for expansion of infrastructure services (Figure 4-2):



- 1 North Greenfield Sewered Residential**
  - comprised of lands that have not been platted to a rural residential lot pattern and that are adjacent or near existing municipal services.
- 2 Highway 55 Corridor**
  - Comprised of lands fronting or near State Highway 55 with municipal sewer and water services. A coordinated approach is needed to ensure quality commercial uses and development.
- 3 Village Center**
  - Creation of a core downtown area that could serve the community with a walkable center and a mix of uses including life cycle housing. The logical location for this concept is a parcel scheduled to be removed from the Agriculture Preserve Program in 2022.

Table 3-1. Existing Land Use 2017

EXISTING LAND USE	GROSS ACRES	%
Agricultural / Vacant	6,344	46.15%
Rural Estate	4,387	31.91%
Residential - Sewered	51	0.37%
Residential Multi-Family	21	0.15%
Commercial	72	0.52%
Industrial	57	0.41%
Institutional	94	0.68%
Park	1,280	9.31%
Railroad	58	0.42%
Road Right of Way	629	4.58%
Lake	754	5.49%
<b>TOTAL</b>	<b>13,748</b>	<b>100.00%</b>

Source: HKGi, City of Greenfield

## Existing Land Use

Categorizing existing land use provides a valuable synopsis of Greenfield's current conditions and patterns. The existing land use pattern in Greenfield consists of a limited amount of retail and service commercial, industrial/manufacturing, civic/institutional, and a combination of rural and suburban forms of residential development distinguished mostly by availability of municipal sewer and water systems and density of development (lot sizes and proximity of homes to one another). Non-residential (with a few exceptions) and the higher density residential land uses are concentrated in the southwest area of the City where sewer and water is readily available. A limited number of single family homes along Lake Shore Drive are served with municipal sewer also. Lands identified as Park include the City Central Park, a parcel owned by the DNR (Schendel WMA), Lake Rebecca Park Preserve, and Lake Sarah Regional Park. Parks are further discussed in the Parks Chapter. (Figure 3-4)

The City of Greenfield has a number of properties that are enrolled in the Agriculture Preserves Program. These properties total approximately 770 acres and are intended to be developed in the long term; however, development of the property will occur when property owners withdraw from the Agriculture Preserves designation and develop their property. A number of properties have petitioned to withdraw from the program and will be removed within the near term. (Figure 3-5)

Development potential exists for lands that are identified as agriculture/vacant and residential un-platted. Some larger lots identified as residential estate platted also have additional development potential however these parcels are limited due to environmental constraints, poor soils, roadway access, or challenging lot dimensions resulting from prior platting patterns. Development capacity is further discussed in the Land Use Chapter.

Table 3-2. Current Enrollment in Agriculture Preserve Program

PARCEL NUMBER	ADDRESS	APPLIED TO REMOVE	EXPIRATION DATE
11-119-24-11-0001	10085 Pioneer Tr		
12-119-24-23-0001	5525 Harff Rd		
13-119-24-31-0002	5280 Salem Ln		
13-119-24-41-0001	4820 Salem Ln		
24-119-24-42-0003	8055 Fern Ln		
16-119-24-43-0001	8605 Vernon St	Yes	12/26/2021
22-119-24-21-0001	Unassigned		
22-119-24-23-0001	Unassigned		
22-119-24-24-0001	Unassigned		
22-119-24-24-0002	8180 Vernon St		
28-119-24-41-0001	7375 Rebecca Park Tr	Yes	10/28/2022

Source: HKGi, City of Greenfield

## Page: 3-20

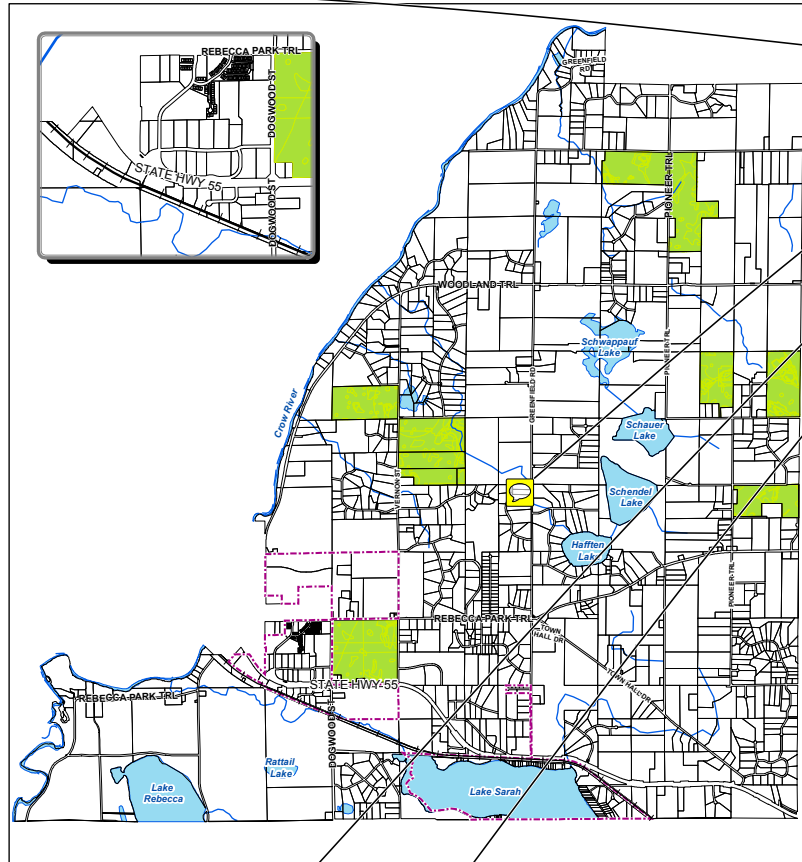
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Author: Brad Subject: Cross-Out Date: 8/19/2020 11:20:32 AM

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Figure 3-5: Properties Enrolled in Agriculture Preserves



0 0.5 1 Miles

Source: Hennepin County Parcel Data, HKGI



- Railroad
- Current Urban Service Area
- Hennepin County Parcels
- Lake
- River and Streams
- Ag Preserve Parcels 2017

Page: 3-22

Author: mike Subject: Cross-Out Date: 8/26/2020 3:14:52 PM  
Map to be deleted

Author: Brad Subject: Sticky Note Date: 8/26/2020 3:18:34 PM  
Map to be deleted. Not needed with decertification of the program.

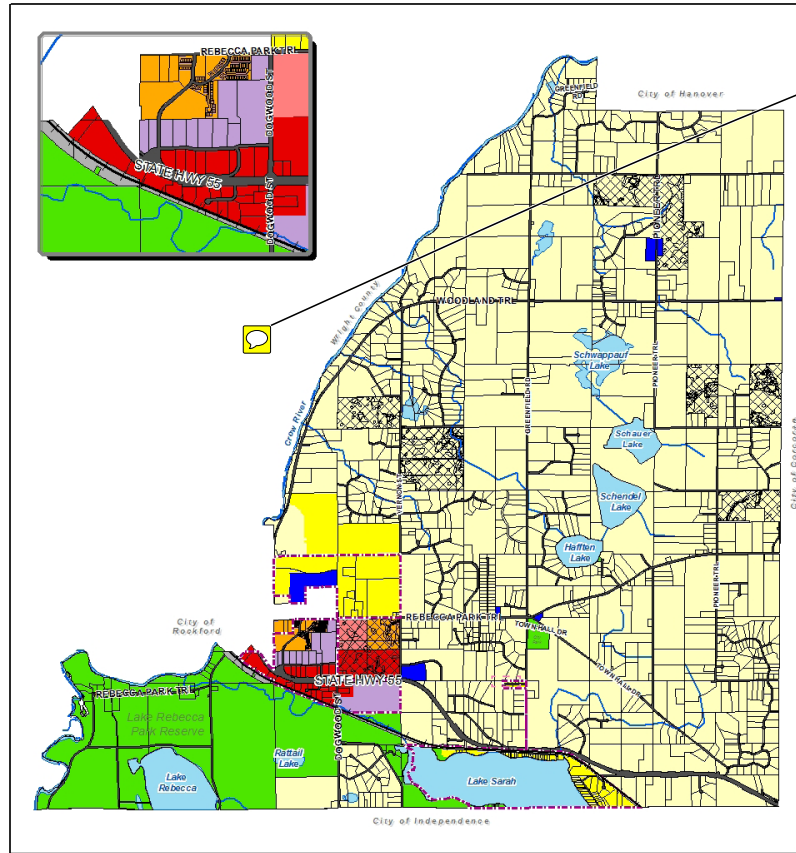
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Figure 4-1. Future Land Use

Page: 4-48

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map to be amended to remove agriculture preserve overlay hatch.



0 0.5 1 Miles

Source: Hennepin County Parcel Data, HKGI

## Future Planned Land Use



- Railroad
- - - Current Urban Service Area
- Hennepin County Parcels
- Lake
- River and Streams
- ▨ Ag Preserve Parcels 2017
- Rural Residential (Maximum of 1 unit per 5 acres)
- Low Density Residential (2 to 6 units per acre)
- Medium Density Residential (6 to 12 units per acre)
- Village Center (12 to 40 units per acre-see plan text)
- Commercial Services
- Business Park/Industrial
- Institutional
- Public Park and Open Space
- Railroad
- ROW

## Land Use Categories

The Land Use Plan contains fourteen (14) land use categories. The amount of land which is designated in each category is summarized in Table 4-2.

### Ag (Agriculture) Preserve

This designation is intended to maintain productive farm operations in the City of Greenfield consistent with the intent of and rules outlined in the Metropolitan Agricultural Preserves Act (Minnesota Statute Chapter 473H). This designation is made available to those property owners who are currently enrolled (2017) in the Ag Preserve program and committed to preserving their property's long-term agricultural use. Uses within this land use designation are agricultural uses and farmsteads related to the operations of the agricultural use at a maximum residential density of 1 unit per 40 gross acres. See Table 3-2 and Figure 3-5 for properties enrolled in the Ag Preserve program. Table 4-3 shows total acres enrolled within the Ag Preserve program by future land use category.

There will be no expansion of the Ag Preserve land use category beyond properties that are currently enrolled.

#### Ag Preserve



When parcels expire from the program, the Plan will be amended to no longer show them as Agricultural Preserve parcels. There will be no expansion of the Ag Preserve land use category beyond properties that are currently enrolled.

Page: 4-49

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Author: mike Subject: Cross-Out Date: 8/19/2020 2:40:10 PM

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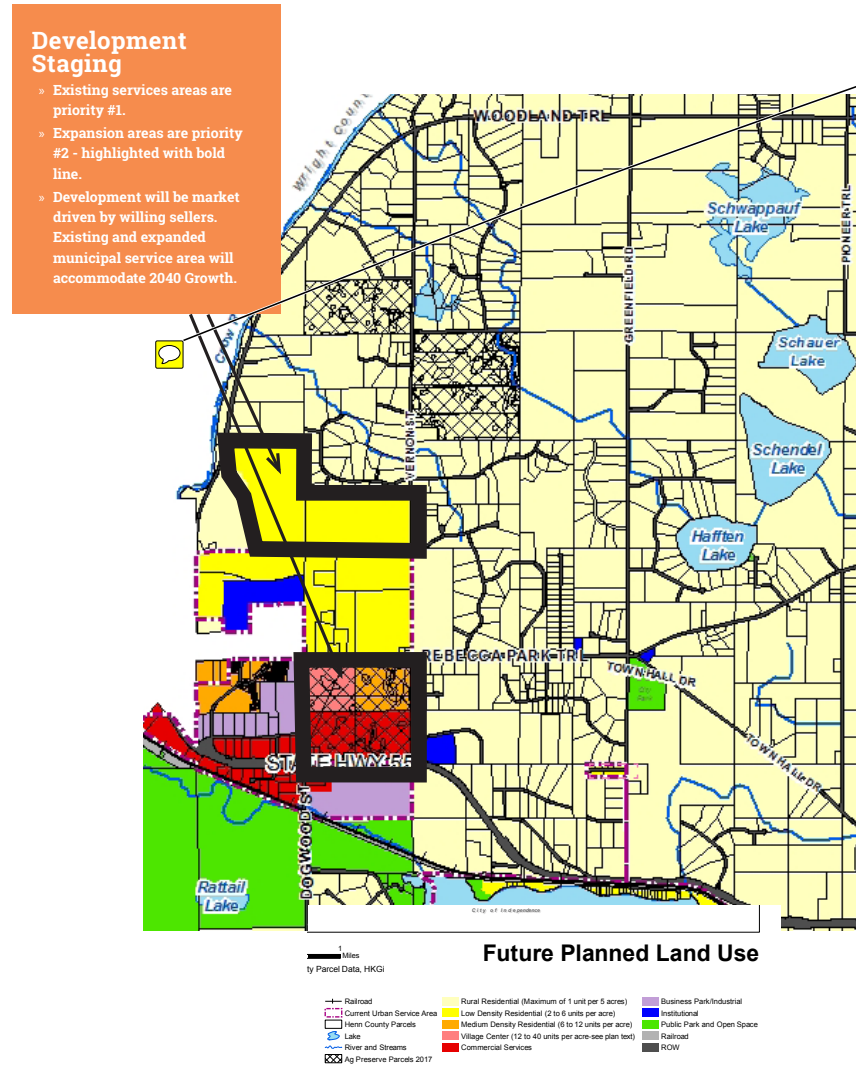
### Rural Residential

The Rural Residential category is intended to maintain the existing pattern of larger lot rural development established in previous Comprehensive Planning efforts. Areas classified as Rural Residential are intended to provide single-family residential development while affording a rural lifestyle. Clustering of development is encouraged to preserve existing natural resources, i.e., wetlands, prairie, woodlands, habitat corridors, and viewsheds. Key characteristics include a maximum density of one (1) unit per five (5) gross acres (Note: this density is unchanged from the 2013 Comprehensive Plan). Lot sizes may vary; however, properties are required to maintain enough buildable land to accommodate the construction of permitted structures, including primary and secondary septic systems or community systems in the case of cluster housing.

Uses appropriate to this district would be predominantly single family detached homes; however, consideration should be given to alternative housing forms provided the overall density is preserved and proper infrastructure and building code requirements can be met. See the Metropolitan Council's [Flexible Residential Development](#) fact sheets for alternative ways to develop rural residential.



Figure 4-2. Development Staging - Greenfield Sewer Service Area Map



Page: 4-59

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map to be amended removing the agriculture preserve overlay hatch

DRAFT



- » Establishment of a new district or a planned unit development mechanism to enable cluster housing or conservation design developments within rural areas. This would serve as a floating district and be used as an optional development tool.
- » Consideration of cottage industries as conditional uses within rural residential areas and establishment of key performance or design conditions.
- » Review of commercial standards and entitlement processes.
- » Establishing a new district or a planned unit development mechanism for the Village Center concept that allows for the mixing/integration of uses.
- » To promote sustainable development, Greenfield should consider revisions to the zoning and subdivision code where appropriate to regulate design features such as hard surface coverage, installation of native landscaping, renewable energy systems (solar and wind energy), and use of alternative stormwater management strategies.
- » Review and update as necessary the Street Engineering Standards to incorporate street lighting and dark sky principles
- » Review and update as necessary the Storm Water Drainage regulations to ensure they meet currently accepted standards.

## Page: 9-130

Author: mike Subject: Cross-Out Date: 8/26/2020 3:15:42 PM  
Zoning ordinance will be amended concurrently with comp plan amendmnet action.

Author: mike Subject: Cross-Out Date: 8/19/2020 2:47:49 PM

Author: mike Subject: Cross-Out Date: 8/19/2020 2:47:58 PM

Author: mike Subject: Cross-Out Date: 8/19/2020 2:47:53 PM

Table 10-1. Existing Zoning Districts Relative to Future Land Use Designations

CURRENT ZONING DISTRICT	RESIDENTIAL STRUCTURES PERMITTED	EXISTING ZONING DENSITY AND LOT AND BULK STANDARDS	FUTURE LAND USE CATEGORY ALIGNMENT
<b>Agriculture Preserve</b>	<b>Farmsteads/Single Family Dwelling Manufactured Home</b>	<b>1 unit per 40 acres</b>	<b>Agriculture Preserve (applies only to existing enrolled parcels)</b>
Rural Residential	Single Family Dwelling Manufactured Homes	1 unit per 5 acres (gross) 2.5 acre min lot size 200 feet min frontage on street	Rural Residential (cluster or conservation district, PUD, or overlay recommended)
Lake Sarah Sewer Residential	Single Family Dwelling Manufactured Homes	3 units per acre (maximum) 10,000 sq. ft. min lot size 75 foot min lot width at setback	Low Density Residential
Sewered Single Family Residential	Single Family Dwellings Manufactured Homes	3 units per acre (maximum) 14,520 sq. ft. min lot size 90 feet min lot width at setback	Low Density Residential
Residential Townhouse	Townhouses Senior housing Manufactured Homes	6-8 units per acre 5,000 sq. ft. per unit	Medium Density Residential
General Business District	None		Commercial Services
Industrial District	None		Business Park/Industrial
Institutional District	None		Institutional
Parks	None		Public Park and Open Space

# HENNEPIN COUNTY

## MINNESOTA

DATE: September 10<sup>th</sup>, 2020

TO: Pioneer-Sarah Creek Watershed Management Commission

FROM: Paul Stewart, Kirsten Barta, and Kris Guentzel; Hennepin County Department of Environment and Energy

RE: September Commission Project and Education Updates

---

### **LICA Shoreline Restoration Training**

On August 26, 2020, LICA hosted a webinar to discuss shoreline restoration resources for Lake Independence lakefront landowners. Hennepin County staff presented on shoreline erosion issues and common restoration techniques. About 15 attended the webinar, which lasted about 90 minutes split between the presentation and discussion amongst landowners and staff about their shoreline concerns. Common questions/concerns were:

- Identifying the necessary resources for landowners to address their erosion, both technical and financial
  - On this point staff recommended Lake Independence landowners band together (through LICA) and work with PSCWMC, the county, and other partners to identify funding sources and/or cost share.
- What options do landowners have, and what of those options can be completed by them vs. contracted
- What other lake management activities are occurring on Lake Independence and how may they impact overall lake health and individual shorelines

Hennepin County staff have provided the presentation and an informational sheet on shoreline restorations to PSCWMC with the request to post the information to its website. LICA, and potentially other lake associations, will be directed to link to these materials on their own webpage(s).

Hennepin County staff requested and garnered feedback from attendees which they will use to tailor and improve this presentation for other groups.

## Project updates

**Zuhrah Shrine Horse Facility.** See additional handout for a full description of project updates

**4635 Lake Sara Road, Independence:** Preliminary design for a rock crossing received approval from the landowner. Staff technical design recommendations will be added and the project is expected to go out to bid soon, funded through cost share between the county and landowner.

**Maple St, Independence (recently purchased, undeveloped property on Lake Independence):** Significant evidence of sediment erosion (primarily by waves) along shore. Survey and preliminary design complete. NRCS engineer and Hennepin county staff engaging DNR regarding permitting concerns.

**5375 Pete Drive, Independence:** Recent evidence of ice heaving and erosion. Preliminary design complete and working with DNR on permitting needs. Anticipated late summer/early fall installation. Includes both ice damage repair and native plantings on the shoreline.

**Wetlands south of Lake Independence:** survey team is being brought in on a project where the wetlands are connected by a channel that keeps flooding/eroding. Considering basically an engineered swale with pollinator/wetland plants to slow the erosion and benefit wildlife.

**2015 Budd Street Independence:** Cost share installed in 2004 needs to be reevaluated. Landowner reported that water levels and velocity in the past year have caused out-of-bank erosion in rock-armored areas and gulying in grass waterway. Site visit was completed on May 1, 2020. Significant channel erosion has occurred in the grass waterway that was installed in 2004. Volume and debris coming down the gully have caused backups at spillway. Flowage changes course during heavy volume events, flowing overland through a farm field. Severe cutting in the grass waterway has resulted in the flow path changing course and now does not empty into the sediment pond. The water velocity has also washed out the rock crossing. Landowner and Hennepin County will be working on a cost-share project for waterway stabilization. We will be seeking resource assistance from the City of Independence, City of Maple Plain (upstream) and PSCWMO. This gully is a main thoroughfare for the drainage of Maple Plain and Northside Park to Pioneer Creek and Mn DNR Public Water 393W. Landowner has expressed concern about drainage work currently happening at the park and its effect on the longevity of the gully stabilization. See photos of unnamed gully and drainage boundary in May Staff Report.

**2772 Becker Road Independence:** HR 65 Page 68 in Lake Sarah and Lake Independence Stormwater Retrofit Analysis. Evaluation gulying and high water in wetland. Multi landowner involvement to visually inspect private ditch running from Becker Road to Lake Independence. Landowners involved had given verbal authorization for inspection once site visit restrictions are lifted. Site visit was completed on May 1, 2020. Significant erosion to the banks of the unnamed stream, sediment collection in HR 65 wetland. Landowner and Hennepin County will be working on a cost-share project for bank stabilization. We will be seeking resource assistance from the city of Independence and PSCWMO. We have had contact with all landowners surrounding HR 65 except home on Providence Curve and the Providence Homeowners Association. First contact letters will be sent out in June if needed. Upstream from 2772 Becker homeowners will be contacted though a letter (addresses 2815-3050 Becker Road) First contact letters will be sent out in June if needed. See photos of unnamed stream and drainage boundary in May Staff Report.

**8590 Co Rd 6 Independence Windsong Farm Golf Club:** Grass waterway project completed and signed off. Hennepin County and Windsong worked together using the State Cost Share program to design

and build a grass waterway that directly drains to Fox Lake. See attached photos in May Staff Report.  
PS

**Unassigned address, Marsh Land Properties LLC PID 2411824320015:** Landowner inquired about Proto Lab parking lot addition storm drainage using stormwater pond on property, who holds the OM and how to get help for erosion. See map erosion areas highlighted in red in May Staff Report.

**5590 Lake Sarah Height Dr, Independence:** JB Gully, HR67 & HR68 page 69 Lake Sarah and Lake Independence Stormwater Retrofit Analysis. Site visit on May 1, 2020 to look at road wash-out and unnamed stream (JB gully). Identified that field crossing was cleaned at HR 67 and 68 and opened up flow. Due to site constraints of the unnamed stream restoration, will need more analysis. HR67 and HR68 show potential for restoration and flow control structure.

**3045 Lakeshore Ave Medina:** Evaluation for shoreline stabilization.